

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001853.D
 Acq On : 04 Mar 2020 15:06
 Operator : SY/MD
 Sample : L1161-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Quant Time: Mar 05 05:47:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 05:44:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	177708	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	321057	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	285219	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	130994	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.16	65	96899	51.08	ug/l	-0.01
Spiked Amount						
						Recovery = 102.16%
35) Dibromofluoromethane	7.74	113	88993	50.76	ug/l	-0.01
Spiked Amount						
						Recovery = 101.52%
50) Toluene-d8	10.19	98	375160	50.75	ug/l	0.00
Spiked Amount						
						Recovery = 101.50%
62) 4-Bromofluorobenzene	12.49	95	129609	50.42	ug/l	0.00
Spiked Amount						
						Recovery = 100.84%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.91	85	7299	4.450	ug/l	96
3) Chloromethane	2.12	50	9838	4.448	ug/l #	88
4) Vinyl Chloride	2.26	62	9694	4.309	ug/l	100
5) Bromomethane	2.66	94	7612	5.100	ug/l	97
6) Chloroethane	2.80	64	5838	4.131	ug/l	90
7) Trichlorofluoromethane	3.14	101	13259	4.346	ug/l	99
8) Diethyl Ether	3.55	74	5138	4.273	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	3.91	101	8450	4.306	ug/l	97
10) Methyl Iodide	4.10	142	8016	3.532	ug/l	99
11) Tert butyl alcohol	4.97	59	4233	18.278	ug/l #	85
12) 1,1-Dichloroethene	3.88	96	8349	4.226	ug/l	93
13) Acrolein	3.75	56	5634	21.133	ug/l	90
14) Allyl chloride	4.49	41	15218	4.345	ug/l	98
15) Acrylonitrile	5.19	53	13484	20.986	ug/l	98
16) Acetone	3.97	43	11073	20.039	ug/l	91
17) Carbon Disulfide	4.21	76	27887	4.199	ug/l	99
18) Methyl Acetate	4.50	43	6341	4.466	ug/l	94
19) Methyl tert-butyl Ether	5.25	73	22523	4.207	ug/l	92
20) Methylene Chloride	4.74	84	12914	5.453	ug/l	92
21) trans-1,2-Dichloroethene	5.24	96	9562	4.264	ug/l	92
22) Diisopropyl ether	6.14	45	30735	4.281	ug/l	98
23) Vinyl Acetate	6.08	43	97052	20.619	ug/l	98
24) 1,1-Dichloroethane	6.04	63	16525	4.250	ug/l #	95
25) 2-Butanone	7.00	43	17233	20.508	ug/l	95
26) 2,2-Dichloropropane	7.00	77	13271	4.159	ug/l	95
27) cis-1,2-Dichloroethene	7.01	96	10211	4.186	ug/l	99
28) Bromochloromethane	7.35	49	7772	4.435	ug/l	99
29) Tetrahydrofuran	7.37	42	11758	21.071	ug/l	100
30) Chloroform	7.52	83	15471	4.235	ug/l	92
31) Cyclohexane	7.80	56	21045	5.048	ug/l #	82
32) 1,1,1-Trichloroethane	7.72	97	12695	4.123	ug/l	97
36) 1,1-Dichloropropene	7.93	75	13176	4.265	ug/l	96
37) Ethyl Acetate	7.10	43	7655	4.263	ug/l	97
38) Carbon Tetrachloride	7.91	117	11062	4.191	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.19	83	17334	4.230	ug/l	91
40) Benzene	8.18	78	38521	4.207	ug/l	98
41) Methacrylonitrile	7.36	41	10159	12.571	ug/l #	3
42) 1,2-Dichloroethane	8.25	62	10274	4.354	ug/l	98
43) Isopropyl Acetate	8.29	43	13962	4.107	ug/l	99
44) Trichloroethene	8.95	130	9356	4.195	ug/l	98
45) 1,2-Dichloropropane	9.23	63	9768	4.243	ug/l	93
46) Dibromomethane	9.32	93	4869	4.104	ug/l	95
47) Bromodichloromethane	9.51	83	11574	4.194	ug/l #	99
48) Methyl methacrylate	9.30	41	6253	4.145	ug/l	97
49) 1,4-Dioxane	9.31	88	1349	82.990	ug/l	98
51) 4-Methyl-2-Pentanone	10.08	43	35002	19.989	ug/l	100
52) Toluene	10.25	92	23595	4.241	ug/l	100
53) t-1,3-Dichloropropene	10.47	75	12171	4.048	ug/l	96
54) cis-1,3-Dichloropropene	9.94	75	14286	3.992	ug/l	97
55) 1,1,2-Trichloroethane	10.66	97	7392	4.258	ug/l	91
56) Ethyl methacrylate	10.52	69	9861	3.875	ug/l #	93
57) 1,3-Dichloropropane	10.80	76	12855	4.154	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.79	63	18997	18.827	ug/l	99
59) 2-Hexanone	10.84	43	25264	20.214	ug/l	99
60) Dibromochloromethane	10.99	129	7187	3.929	ug/l	100
61) 1,2-Dibromoethane	11.10	107	6620	4.025	ug/l	99
64) Tetrachloroethene	10.73	164	7814	4.369	ug/l	96
65) Chlorobenzene	11.52	112	23956	4.215	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.60	131	7412	3.977	ug/l	98
67) Ethyl Benzene	11.60	91	44992	4.245	ug/l	98
68) m/p-Xylenes	11.71	106	32878	8.390	ug/l	99
69) o-Xylene	12.03	106	15475	4.190	ug/l	100
70) Styrene	12.05	104	25393	4.014	ug/l	99
71) Bromoform	12.22	173	3898	3.857	ug/l #	97
73) Isopropylbenzene	12.34	105	41514	4.152	ug/l	98
74) N-amyl acetate	12.15	43	12554	4.085	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.59	83	8810	4.085	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	11395	7.331	ug/l #	100
77) Bromobenzene	12.61	156	8882	4.192	ug/l	95
78) n-propylbenzene	12.67	91	52280	4.238	ug/l	99
79) 2-Chlorotoluene	12.76	91	28888	4.238	ug/l	98
80) 1,3,5-Trimethylbenzene	12.82	105	34892	4.238	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.38	75	2841	3.692	ug/l	92
82) 4-Chlorotoluene	12.86	91	30349	4.277	ug/l	98
83) tert-Butylbenzene	13.08	119	29141	4.262	ug/l	100
84) 1,2,4-Trimethylbenzene	13.13	105	34339	4.203	ug/l	99
85) sec-Butylbenzene	13.26	105	43160	4.282	ug/l	100
86) p-Isopropyltoluene	13.38	119	36922	4.247	ug/l	98
87) 1,3-Dichlorobenzene	13.38	146	18535	4.464	ug/l	98
88) 1,4-Dichlorobenzene	13.45	146	18155	4.311	ug/l	91
89) n-Butylbenzene	13.70	91	38471	4.265	ug/l	98
90) Hexachloroethane	13.97	117	6439	3.926	ug/l	100
91) 1,2-Dichlorobenzene	13.74	146	16257	4.310	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1471	4.372	ug/l	82

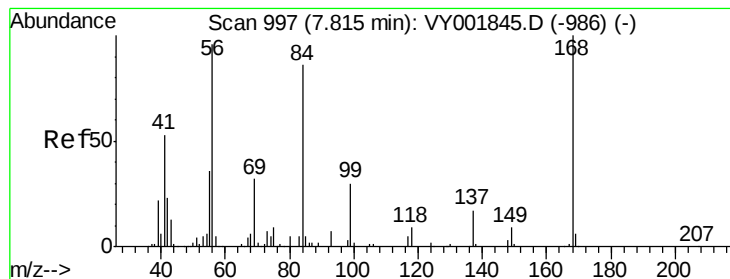
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	11423	4.670	ug/l	100
94) Hexachlorobutadiene	15.12	225	5532	4.639	ug/l	96
95) Naphthalene	15.24	128	24737	4.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	9414	4.369	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.81 min Scan# 996

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

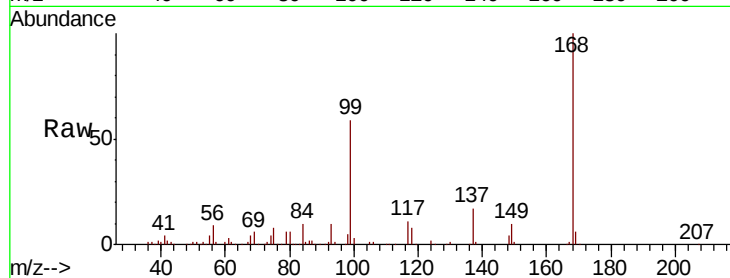
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:168 Resp: 177708

Ion Ratio Lower Upper

168 100

99 59.5 46.7 70.1



Abundance Ion 167.90 (167.60 to 168.60): VY001845.D (-986) (-)

Ion 98.90 (98.60 to 99.60): VY001845.D (-986) (-)

7.81

80000

60000

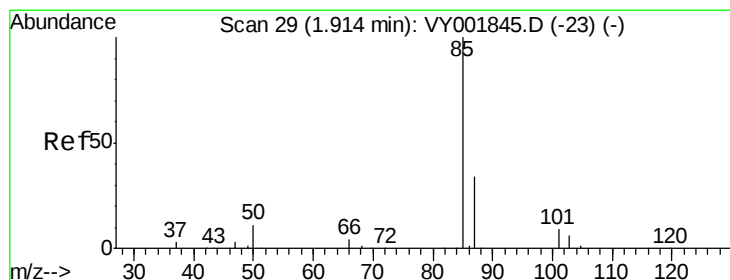
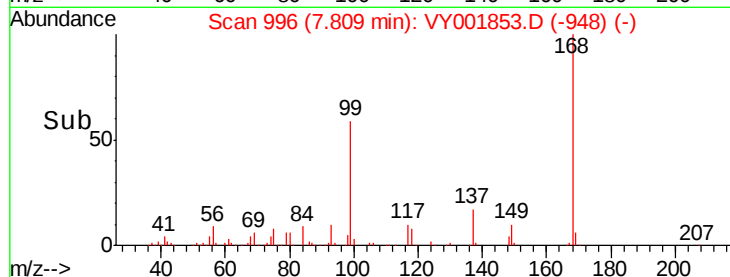
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 4.450 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001853.D

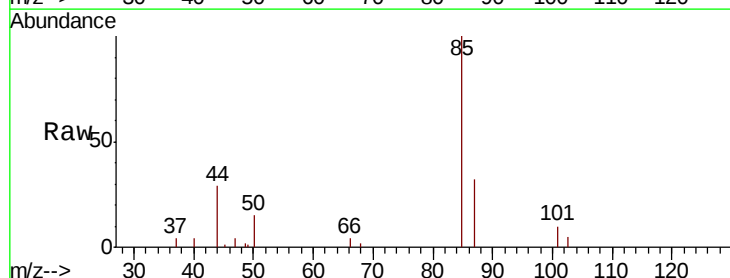
Acq: 04 Mar 2020 15:06

Tgt Ion: 85 Resp: 7299

Ion Ratio Lower Upper

85 100

87 31.6 16.8 50.4



Abundance Ion 84.90 (84.60 to 85.60): VY001845.D (-23) (-)

Ion 86.90 (86.60 to 87.60): VY001845.D (-23) (-)

1.91

5000

4000

3000

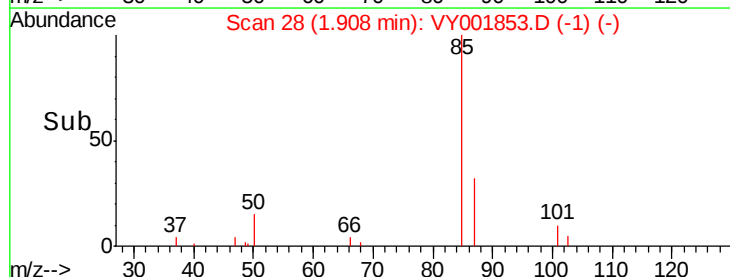
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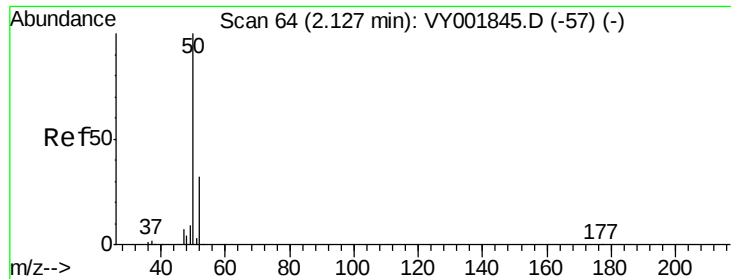
1000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 4.448 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

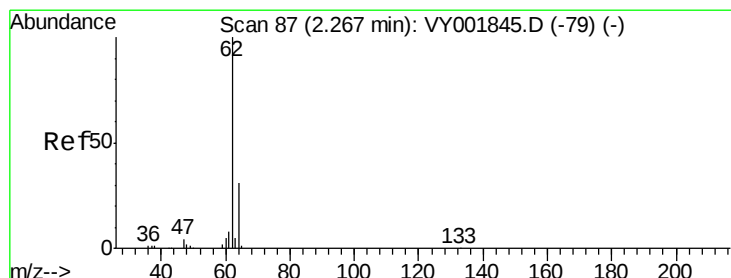
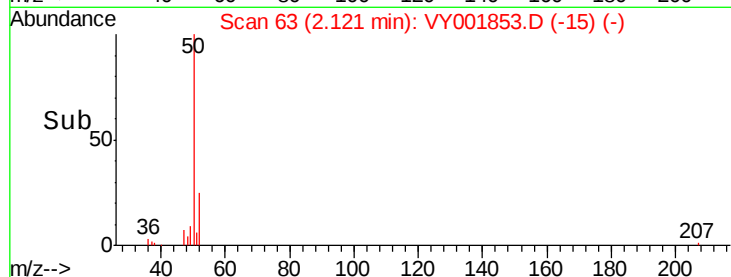
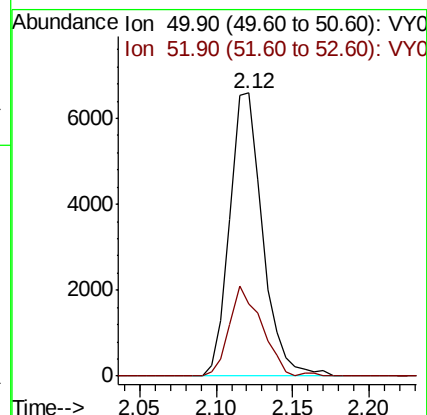
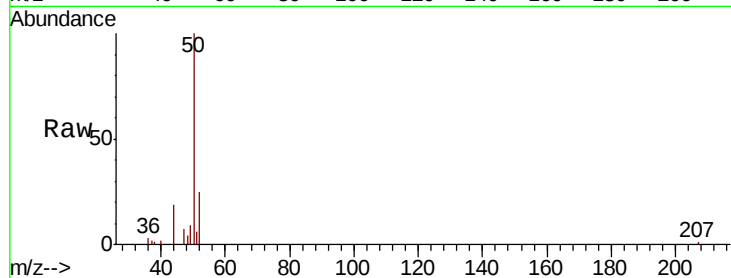
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 50 Resp: 9838

Ion Ratio Lower Upper

50 100

52 25.5 25.8 38.6#



#4

Vinyl Chloride

Concen: 4.309 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001853.D

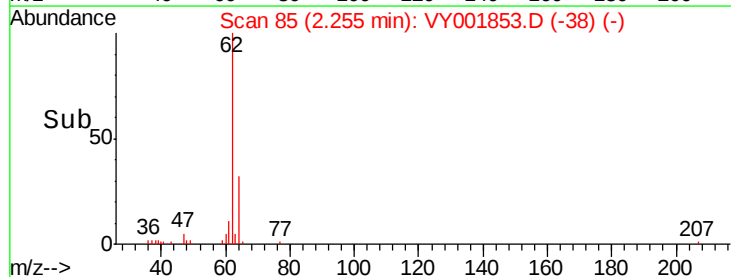
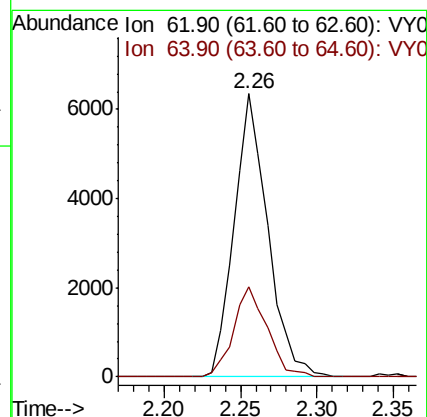
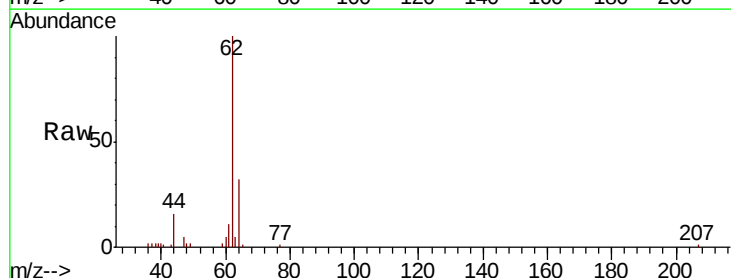
Acq: 04 Mar 2020 15:06

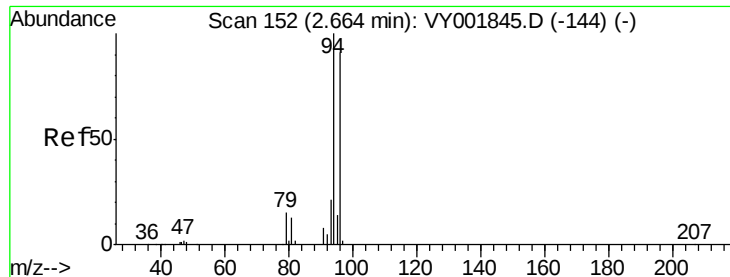
Tgt Ion: 62 Resp: 9694

Ion Ratio Lower Upper

62 100

64 31.6 25.1 37.7





#5

Bromomethane

Concen: 5.100 ug/l

RT: 2.66 min Scan# 151

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

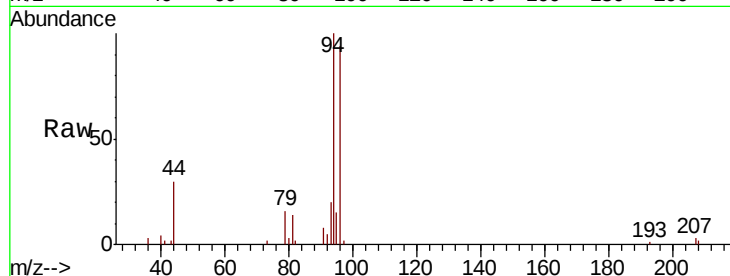
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 94 Resp: 7612

Ion Ratio Lower Upper

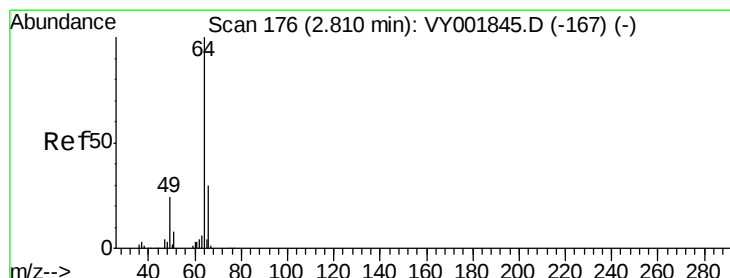
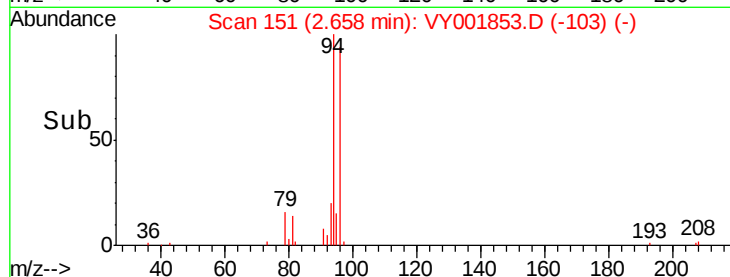
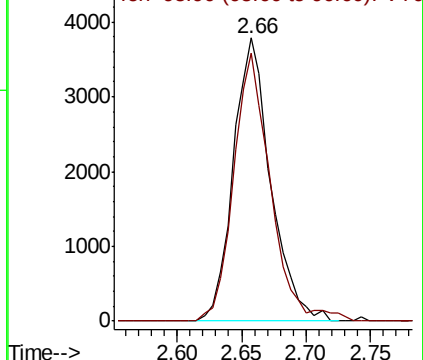
94 100

96 94.5 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY0

Ion 95.90 (95.60 to 96.60): VY0



#6

Chloroethane

Concen: 4.131 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001853.D

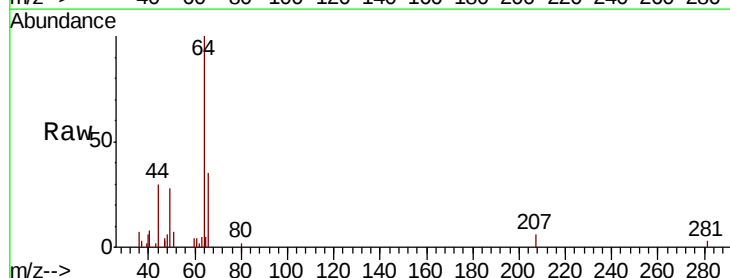
Acq: 04 Mar 2020 15:06

Tgt Ion: 64 Resp: 5838

Ion Ratio Lower Upper

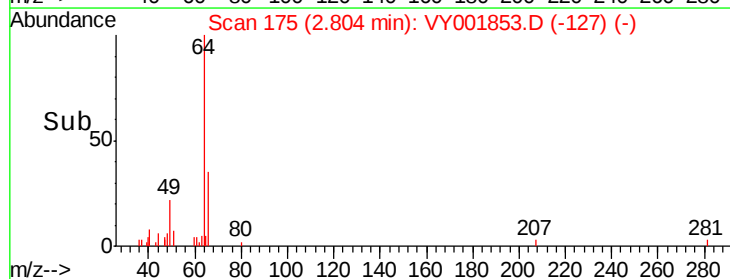
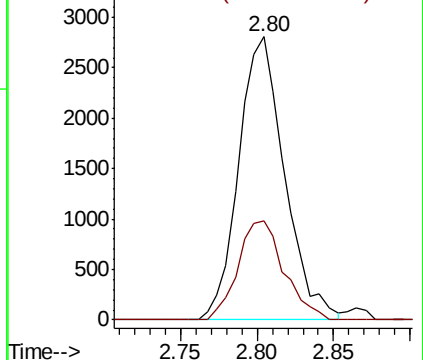
64 100

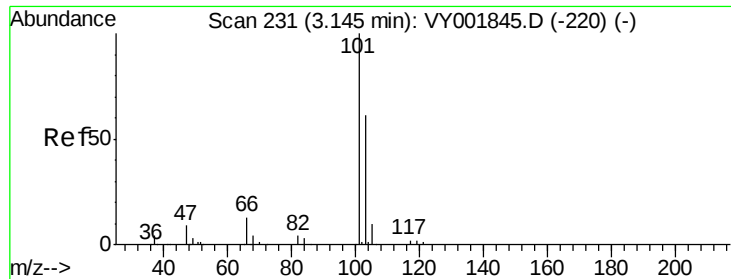
66 35.0 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY0

Ion 65.90 (65.60 to 66.60): VY0



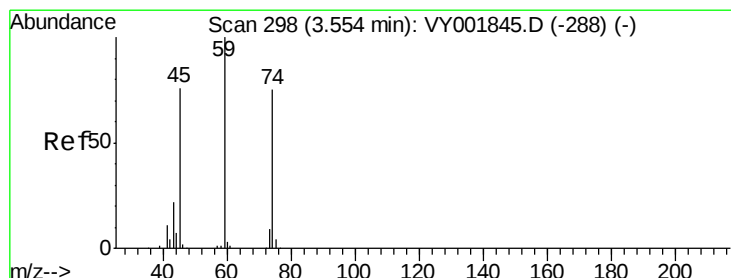
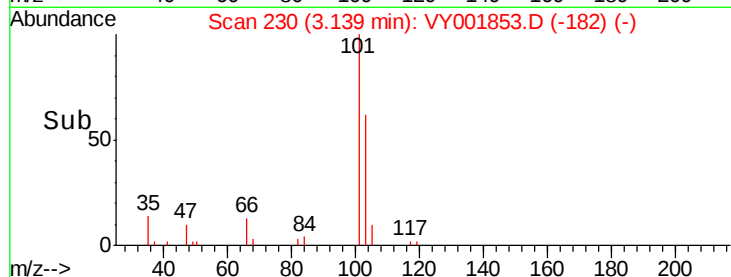
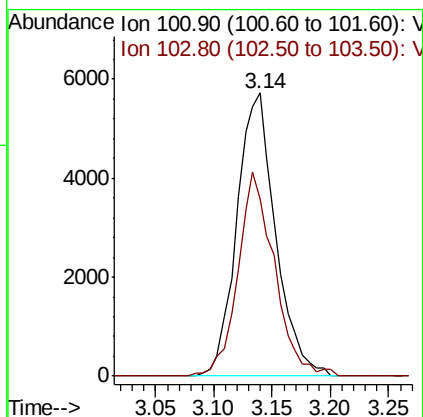
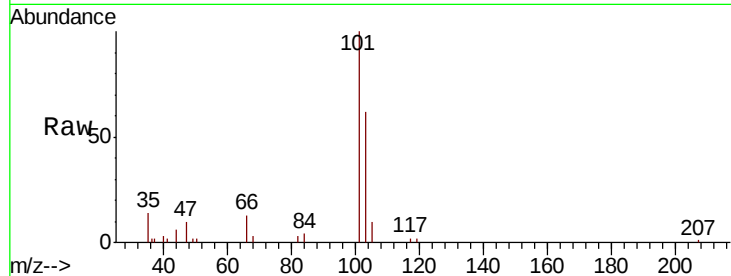


#7

Trichlorofluoromethane
 Concen: 4.346 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001853.D
 Acq: 04 Mar 2020 15:06

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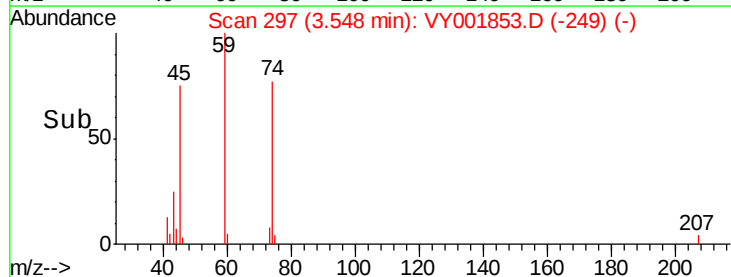
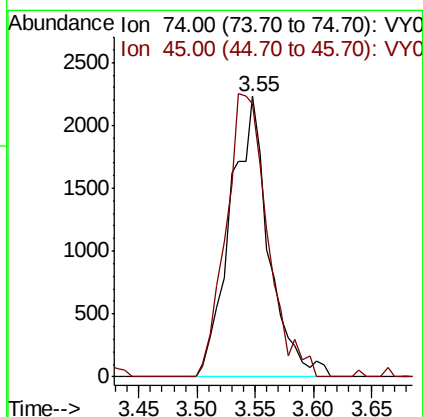
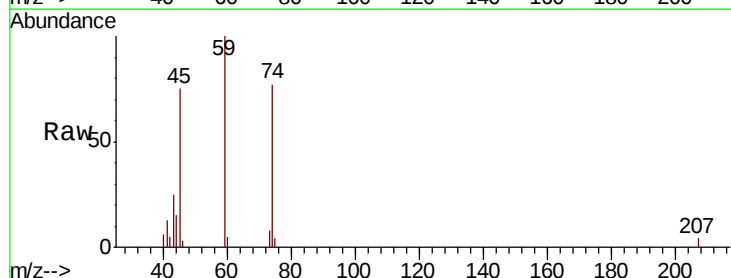
Tot Ion:101 Resp: 13259
 Ion Ratio Lower Upper
 101 100
 103 62.5 49.1 73.7

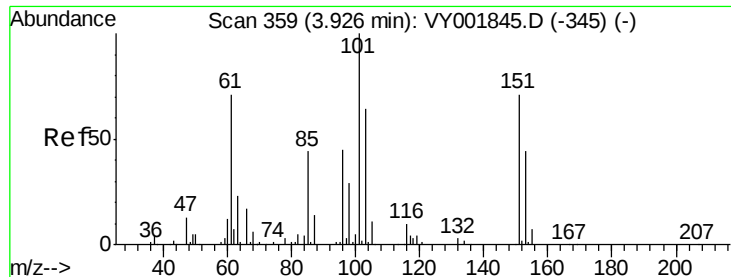


#8

Diethyl Ether
 Concen: 4.273 ug/l
 RT: 3.55 min Scan# 297
 Delta R.T. -0.01 min
 Lab File: VY001853.D
 Acq: 04 Mar 2020 15:06

Tgt Ion: 74 Resp: 5138
 Ion Ratio Lower Upper
 74 100
 45 109.1 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.306 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

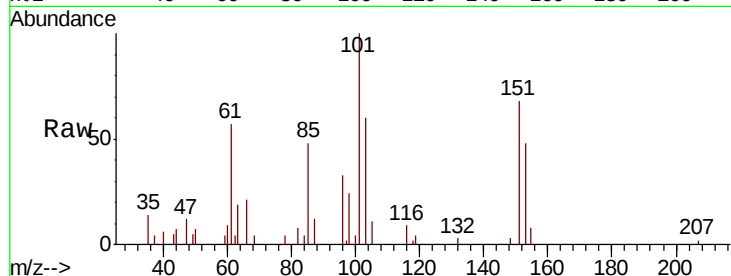
Tot Ion:101 Resp: 8450

Ion Ratio Lower Upper

101 100

85 47.7 35.3 52.9

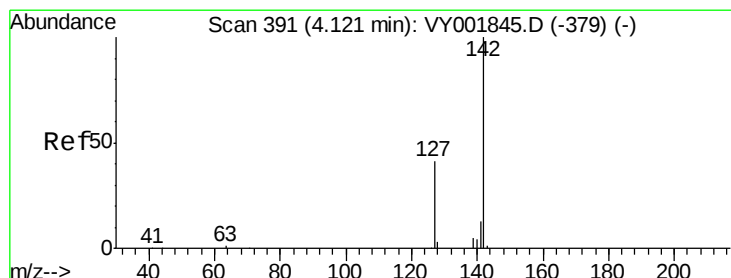
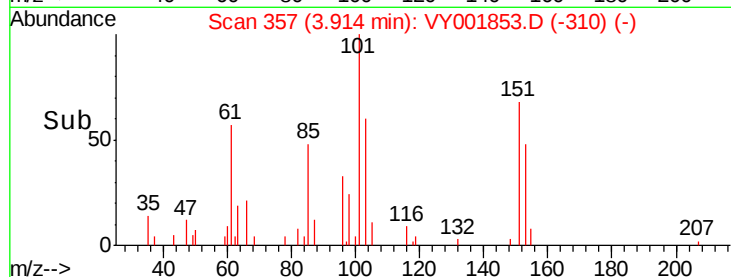
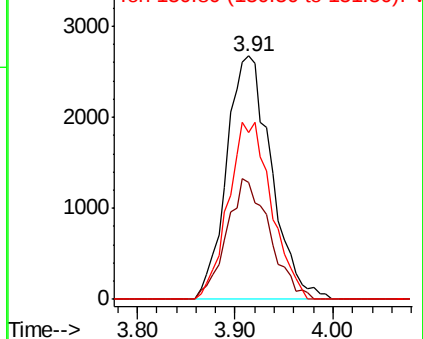
151 70.4 57.0 85.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VY0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 3.532 ug/l

RT: 4.10 min Scan# 388

Delta R.T. -0.02 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

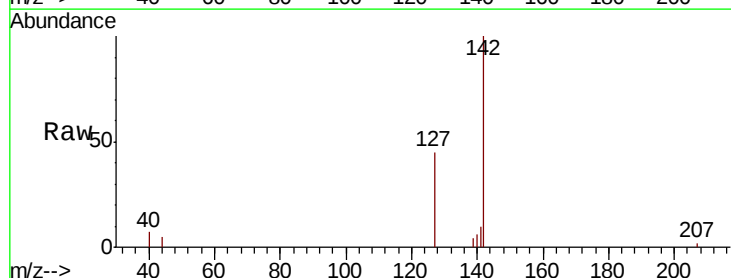
Tgt Ion:142 Resp: 8016

Ion Ratio Lower Upper

142 100

127 40.3 32.7 49.1

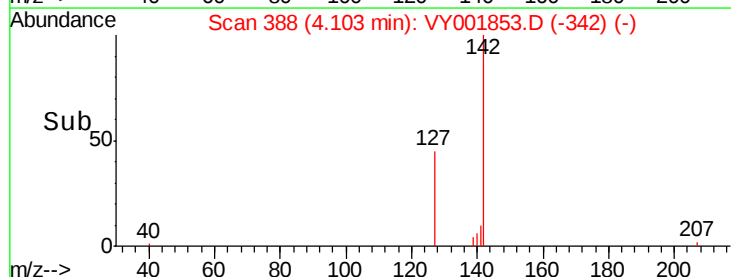
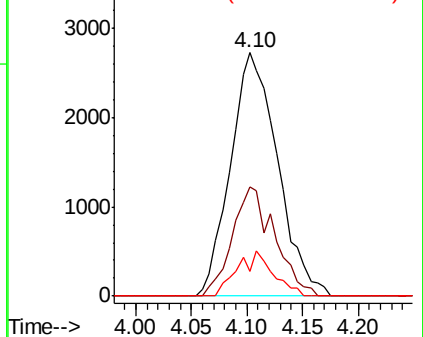
141 14.0 11.0 16.6

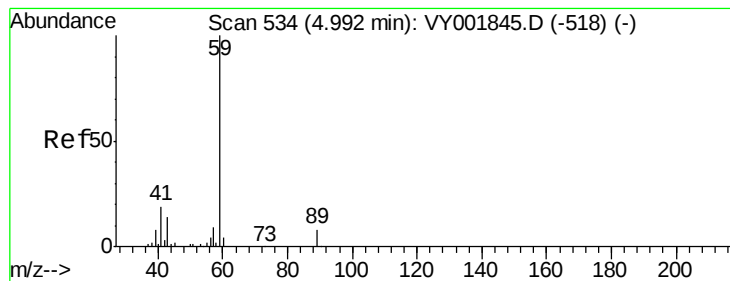


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



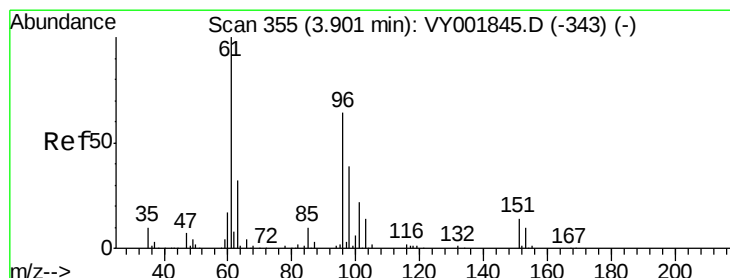
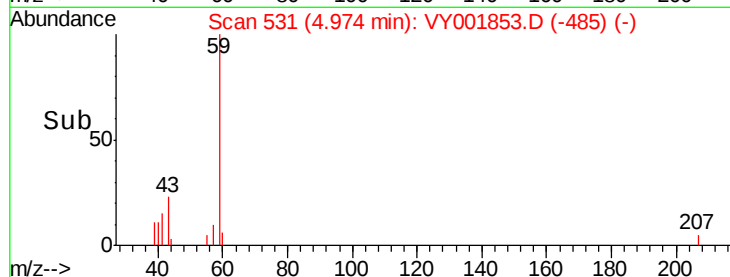
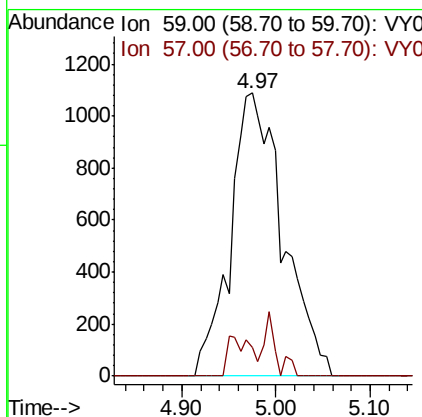
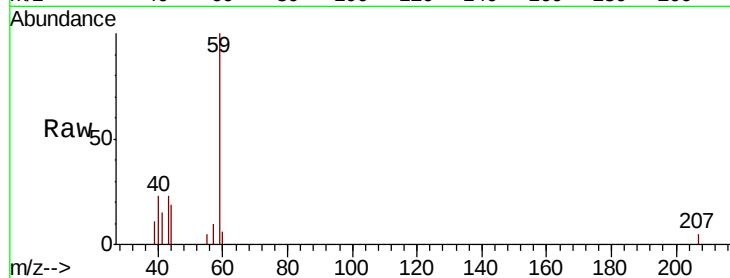


#11

Tert butyl alcohol
 Concen: 18.278 ug/l
 RT: 4.97 min Scan# 531
 Delta R.T. -0.02 min
 Lab File: VY001853.D
 Acq: 04 Mar 2020 15:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

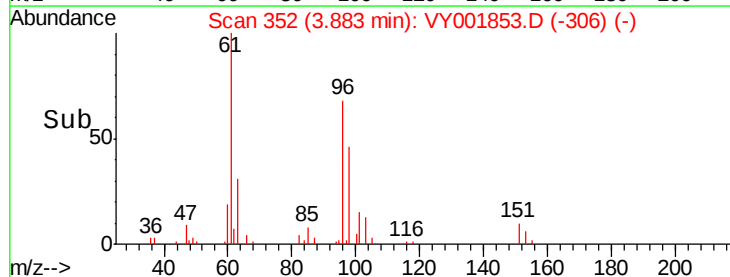
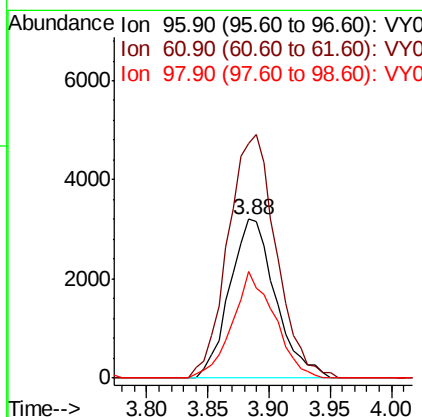
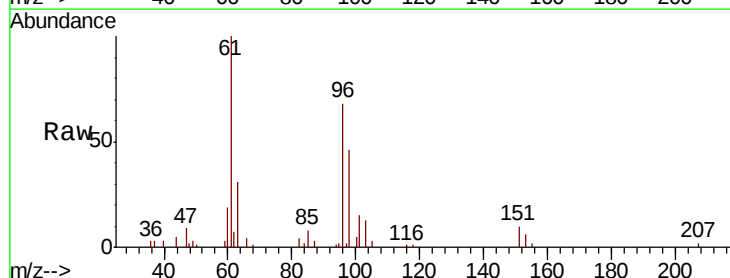
Tot Ion: 59 Resp: 4233
 Ion Ratio Lower Upper
 59 100
 57 4.0 7.4 11.2#

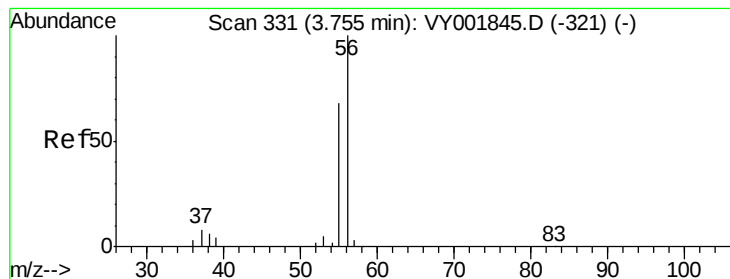


#12

1,1-Dichloroethene
 Concen: 4.226 ug/l
 RT: 3.88 min Scan# 352
 Delta R.T. -0.02 min
 Lab File: VY001853.D
 Acq: 04 Mar 2020 15:06

Tgt Ion: 96 Resp: 8349
 Ion Ratio Lower Upper
 96 100
 61 147.1 124.8 187.2
 98 67.0 49.2 73.8





#13

Acrolein

Concen: 21.133 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

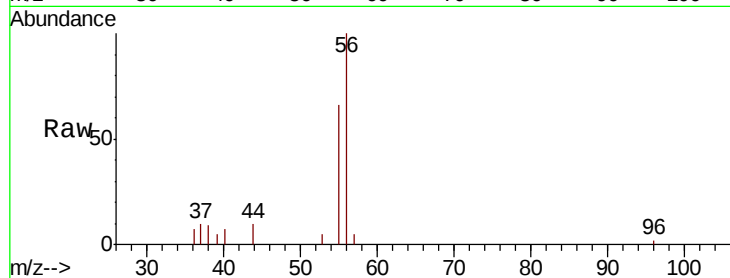
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 56 Resp: 5634

Ion Ratio Lower Upper

56 100

55 75.8 54.0 81.0



Abundance Ion 56.00 (55.70 to 56.70): VY001845.D (-321) (-)

Ion 55.00 (54.70 to 55.70): VY001845.D (-321) (-)

3.75

2500

2000

1500

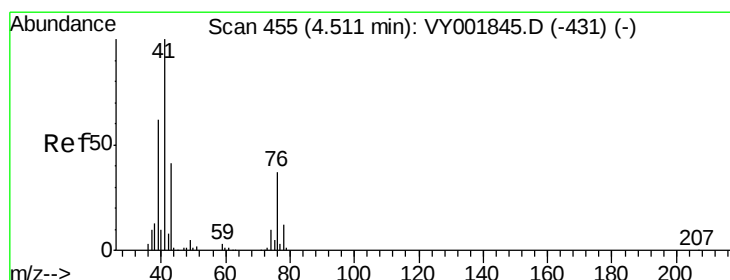
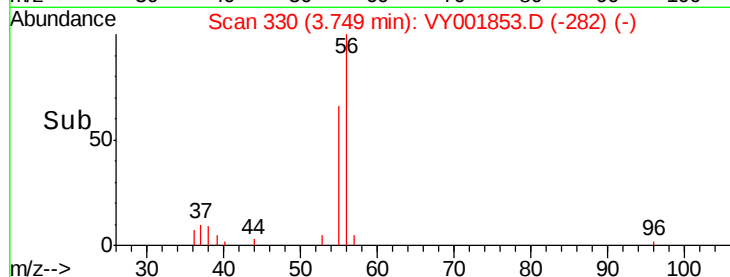
1000

500

0

Time-->

3.65 3.70 3.75 3.80 3.85



#14

Allyl chloride

Concen: 4.345 ug/l

RT: 4.49 min Scan# 452

Delta R.T. -0.02 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

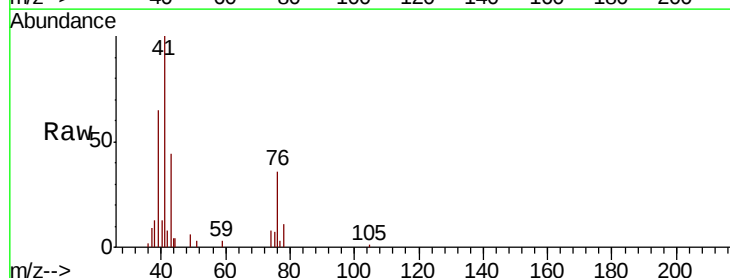
Tgt Ion: 41 Resp: 15218

Ion Ratio Lower Upper

41 100

39 60.3 49.0 73.6

76 33.9 28.9 43.3



Abundance Ion 41.00 (40.70 to 41.70): VY001845.D (-431) (-)

Ion 39.00 (38.70 to 39.70): VY001845.D (-431) (-)

Ion 75.90 (75.60 to 76.60): VY001845.D (-431) (-)

4.49

6000

5000

4000

3000

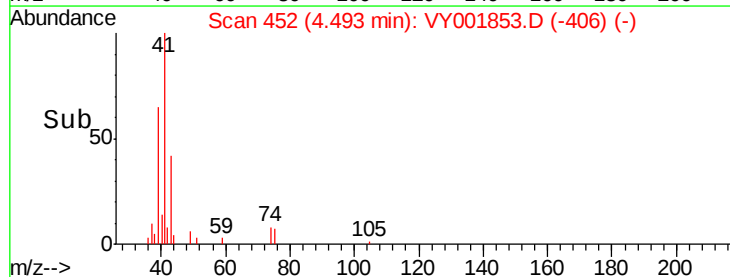
2000

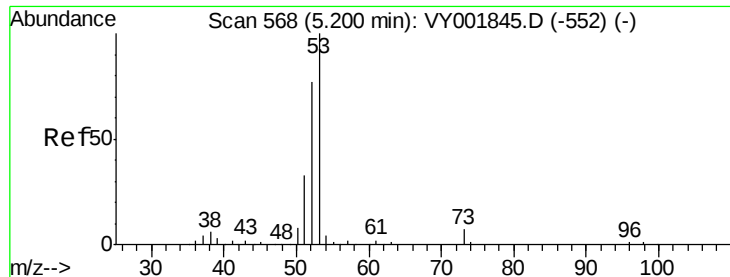
1000

0

Time-->

4.30 4.40 4.50 4.60





#15

Acrylonitrile

Concen: 20.986 ug/l

RT: 5.19 min Scan# 567

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

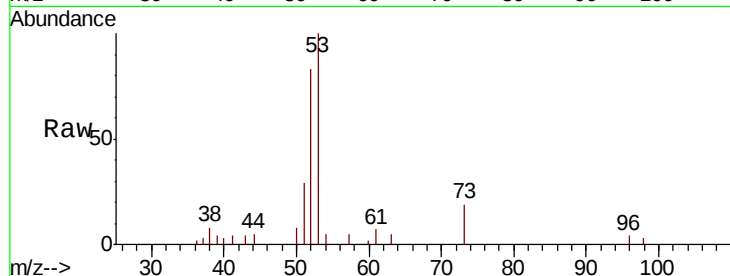
Tot Ion: 53 Resp: 13484

Ion Ratio Lower Upper

53 100

52 83.4 65.1 97.7

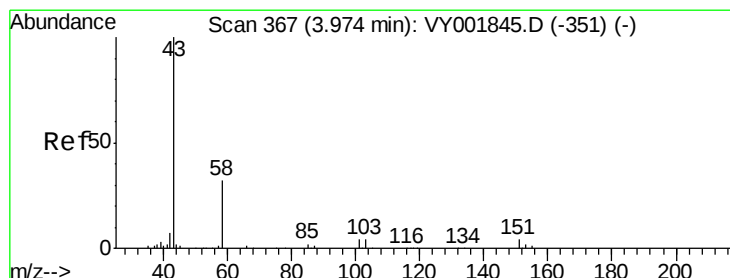
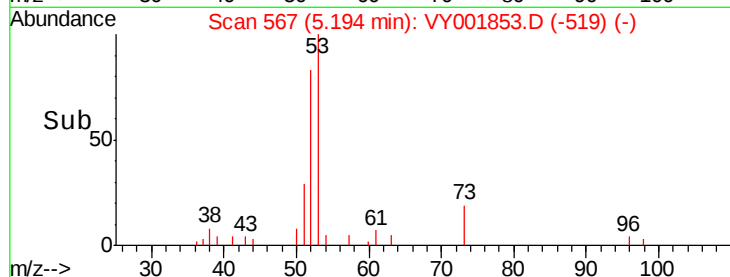
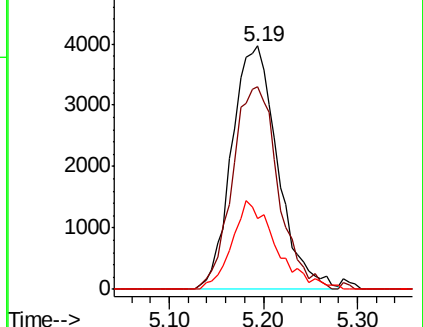
51 35.0 27.5 41.3



Abundance Ion 53.00 (52.70 to 53.70): VY001845.D (-552) (-)

Ion 52.00 (51.70 to 52.70): VY001845.D (-552) (-)

Ion 51.00 (50.70 to 51.70): VY001845.D (-552) (-)



#16

Acetone

Concen: 20.039 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001853.D

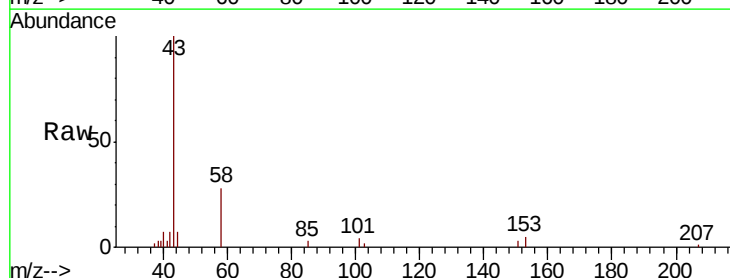
Acq: 04 Mar 2020 15:06

Tgt Ion: 43 Resp: 11073

Ion Ratio Lower Upper

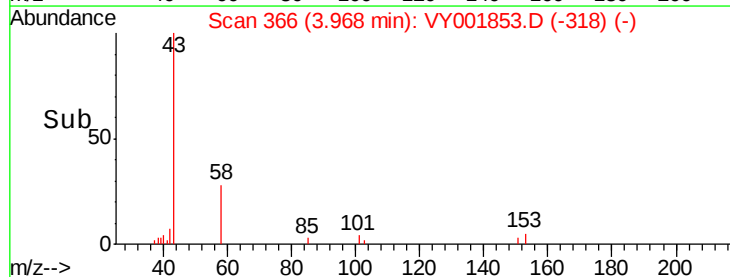
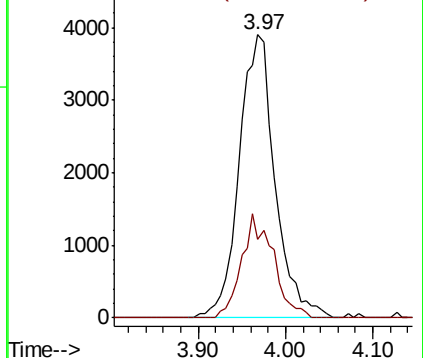
43 100

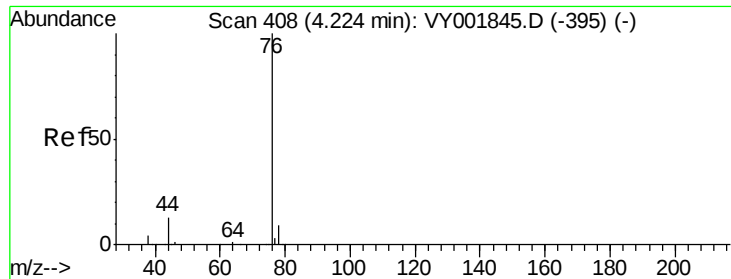
58 27.6 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-351) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-351) (-)

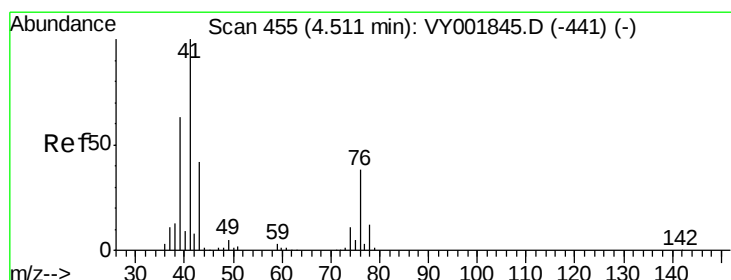
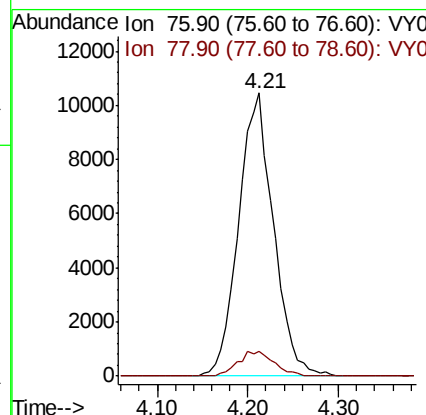
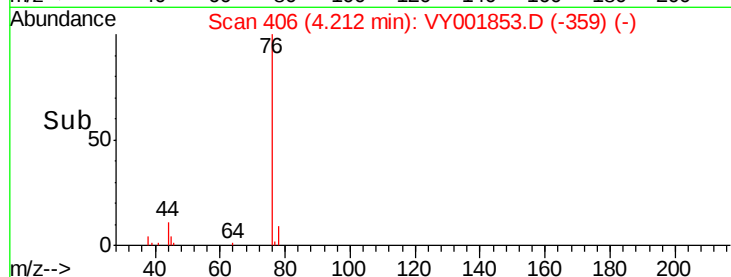
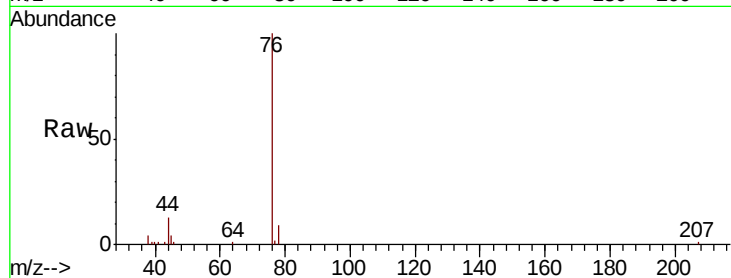




#17
Carbon Disulfide
Concen: 4.199 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

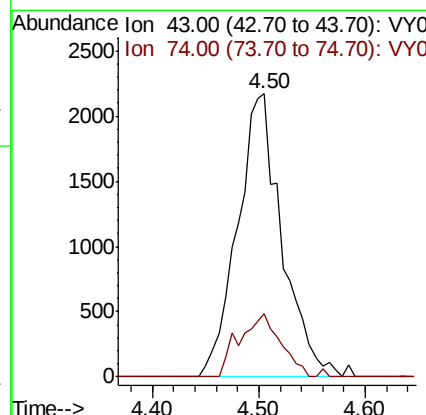
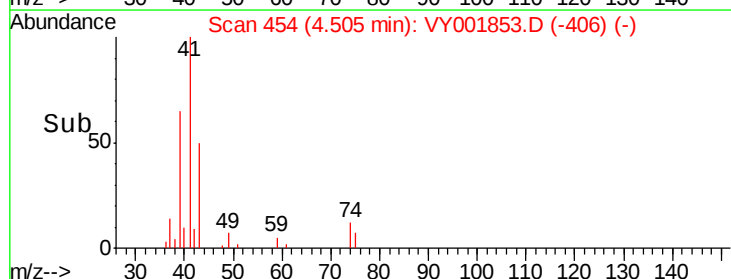
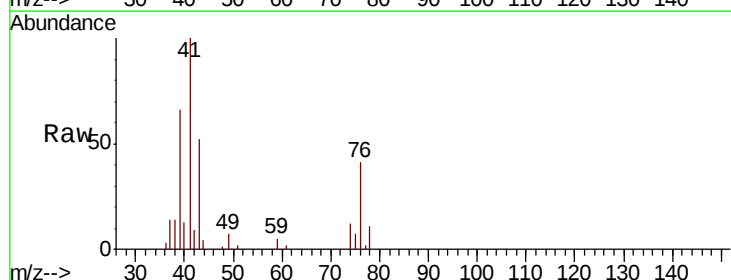
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

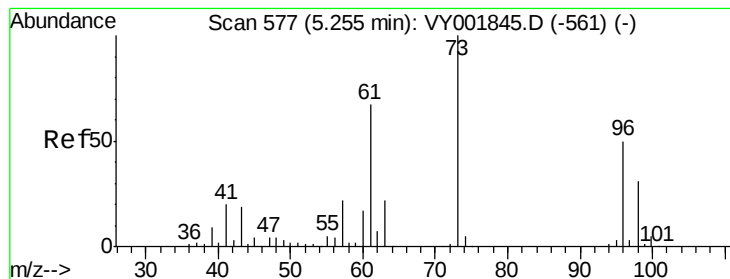
Tot Ion: 76 Resp: 27887
Ion Ratio Lower Upper
76 100
78 8.8 7.4 11.2



#18
Methyl Acetate
Concen: 4.466 ug/l
RT: 4.50 min Scan# 454
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion: 43 Resp: 6341
Ion Ratio Lower Upper
43 100
74 20.9 19.0 28.6



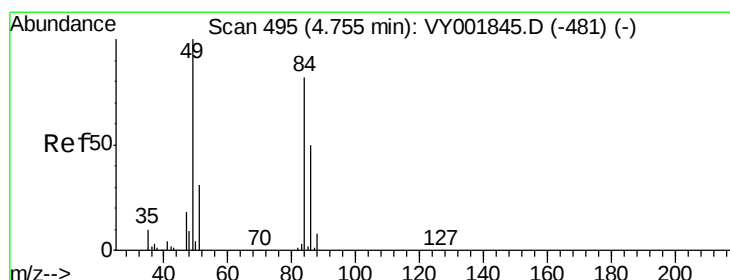
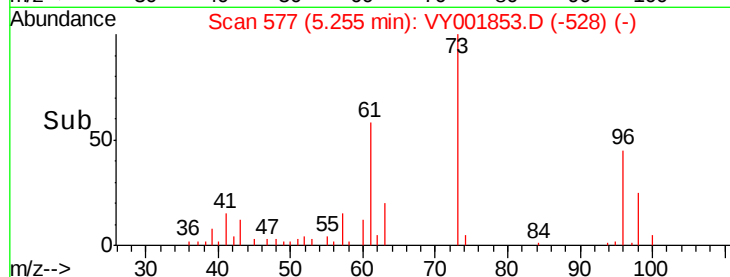
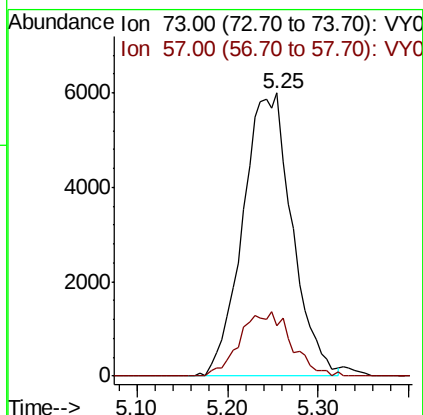
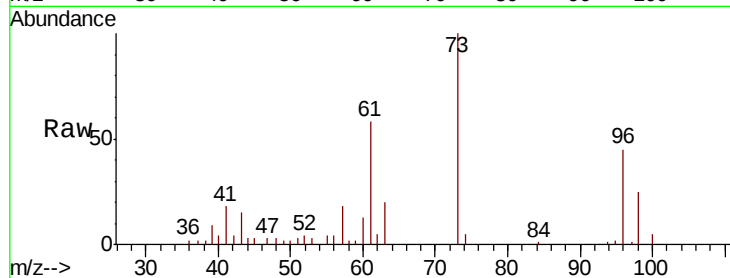


#19

Methyl tert-butyl Ether
 Concen: 4.207 ug/l
 RT: 5.25 min Scan# 577
 Delta R.T. 0.00 min
 Lab File: VY001853.D
 Acq: 04 Mar 2020 15:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

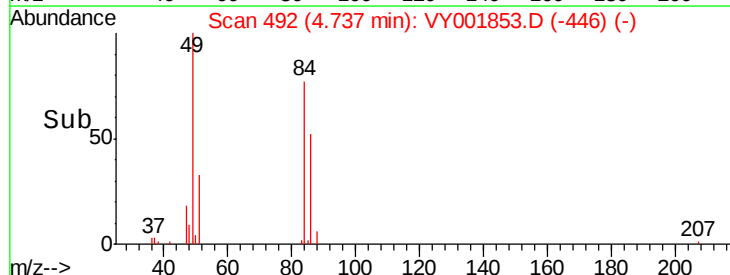
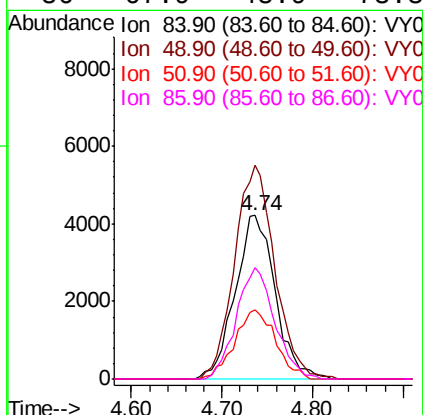
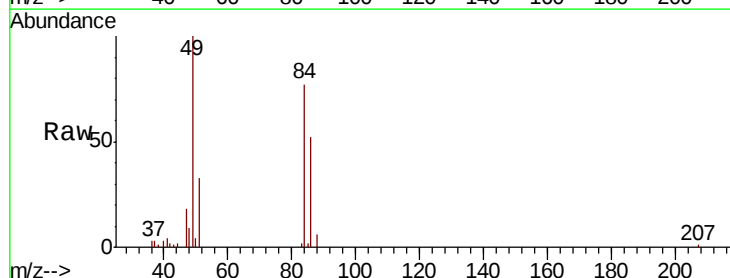
Tot Ion: 73 Resp: 22523
 Ion Ratio Lower Upper
 73 100
 57 17.8 17.4 26.2

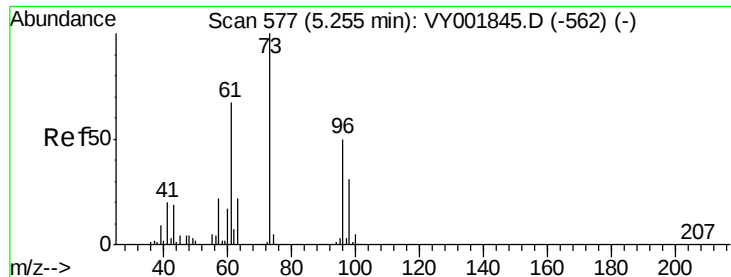


#20

Methylene Chloride
 Concen: 5.453 ug/l
 RT: 4.74 min Scan# 492
 Delta R.T. -0.02 min
 Lab File: VY001853.D
 Acq: 04 Mar 2020 15:06

Tgt Ion: 84 Resp: 12914
 Ion Ratio Lower Upper
 84 100
 49 130.7 98.2 147.2
 51 42.7 30.2 45.2
 86 67.9 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 4.264 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

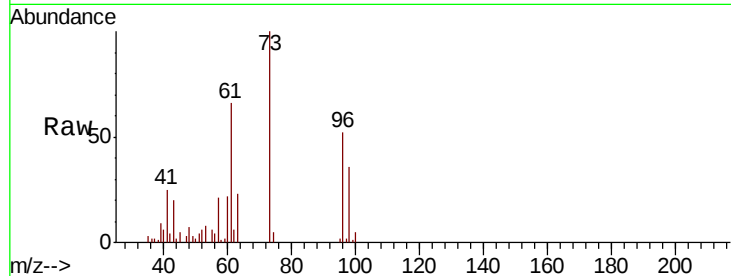
Tot Ion: 96 Resp: 9562

Ion Ratio Lower Upper

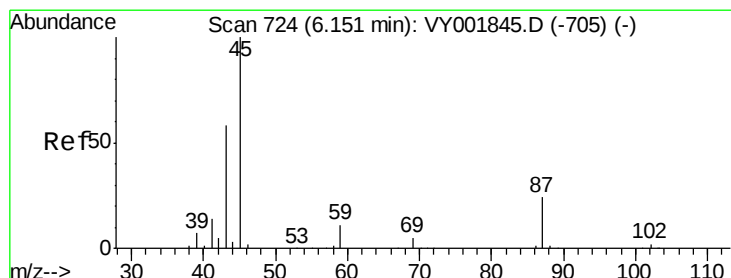
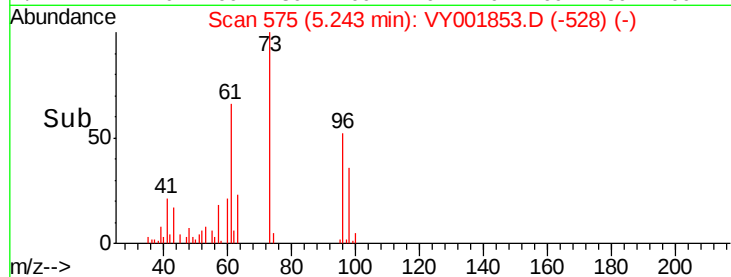
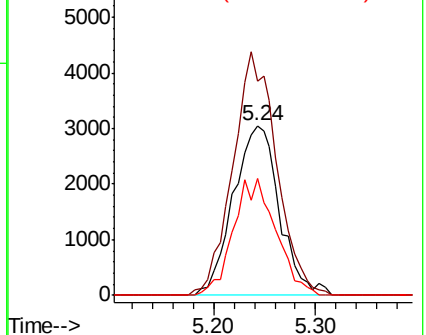
96 100

61 125.9 107.7 161.5

98 69.1 49.3 73.9



Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



#22

Diisopropyl ether

Concen: 4.281 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Tgt Ion: 45 Resp: 30735

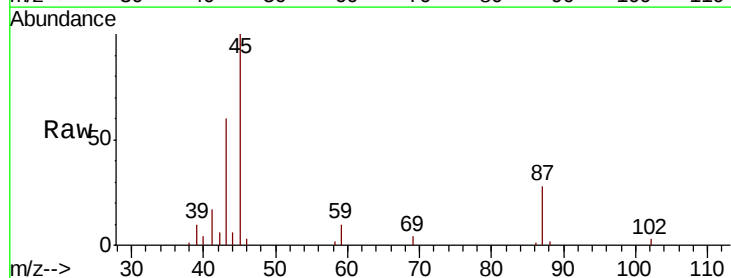
Ion Ratio Lower Upper

45 100

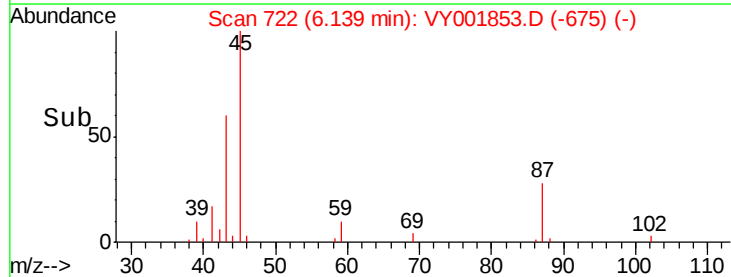
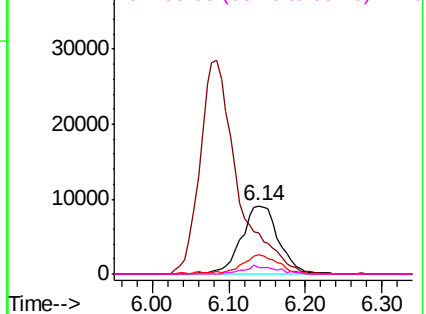
43 58.8 47.2 70.8

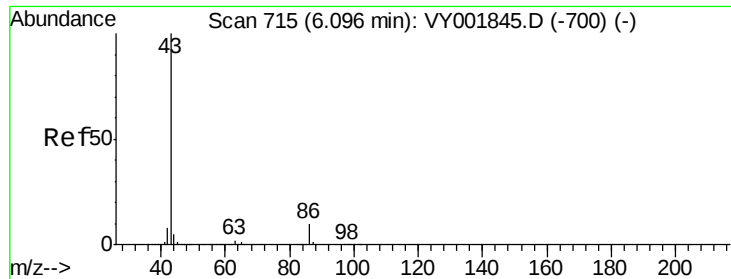
87 28.0 19.8 29.8

59 10.1 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VY0
Ion 43.00 (42.70 to 43.70): VY0
Ion 87.00 (86.70 to 87.70): VY0
Ion 59.00 (58.70 to 59.70): VY0





#23

Vinyl Acetate

Concen: 20.619 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

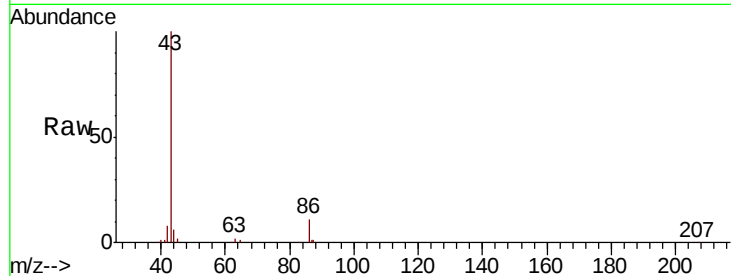
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 97052

Ion Ratio Lower Upper

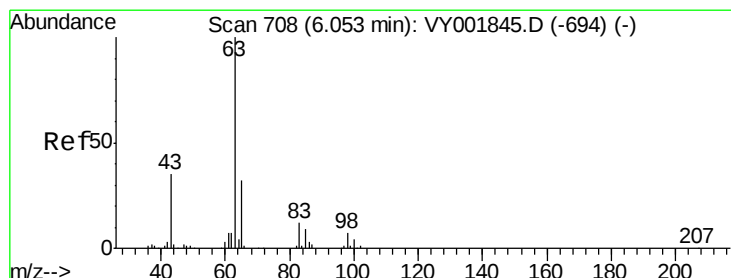
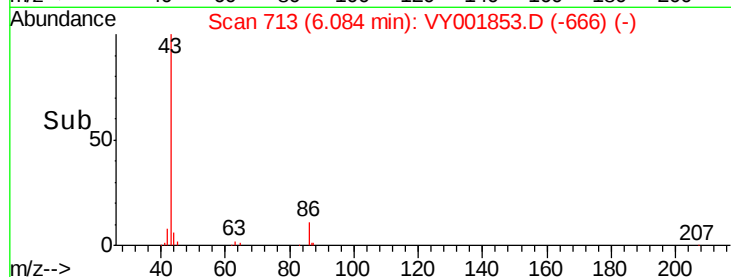
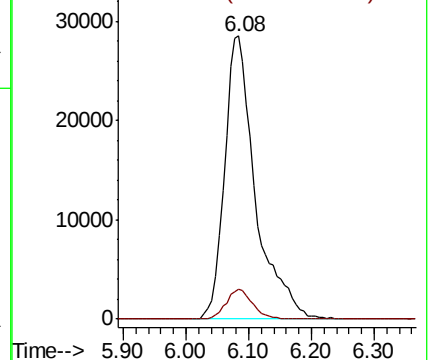
43 100

86 10.7 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0



#24

1,1-Dichloroethane

Concen: 4.250 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

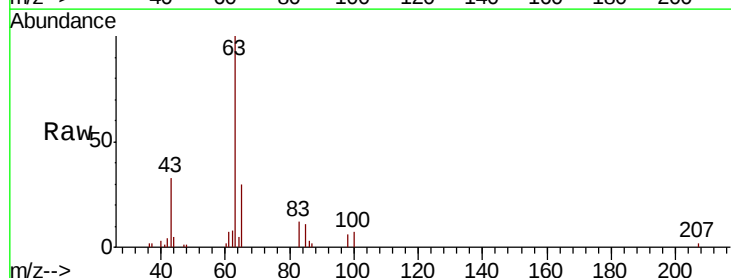
Tgt Ion: 63 Resp: 16525

Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

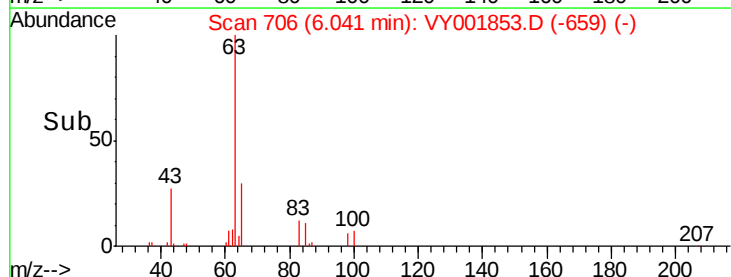
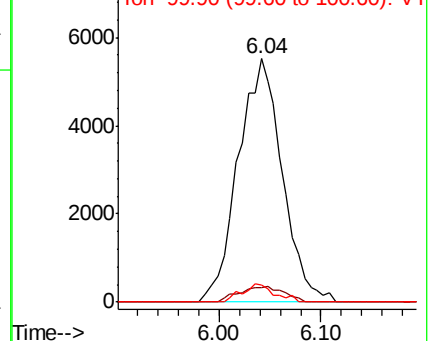
100 7.1 2.0 6.0#

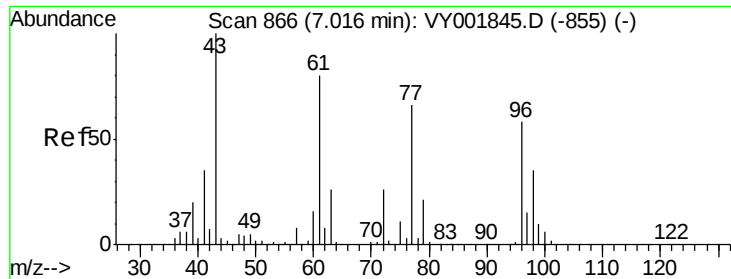


Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 97.90 (97.60 to 98.60): VY0

Ion 99.90 (99.60 to 100.60): VY0

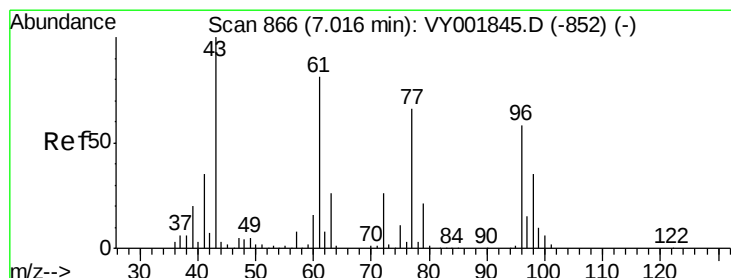
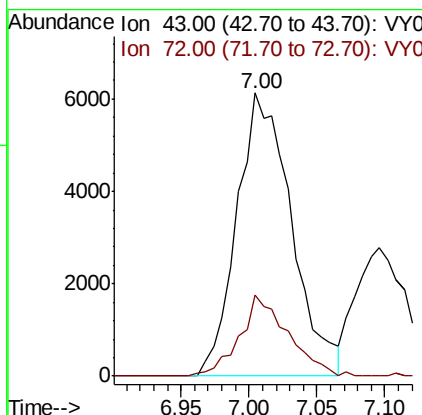
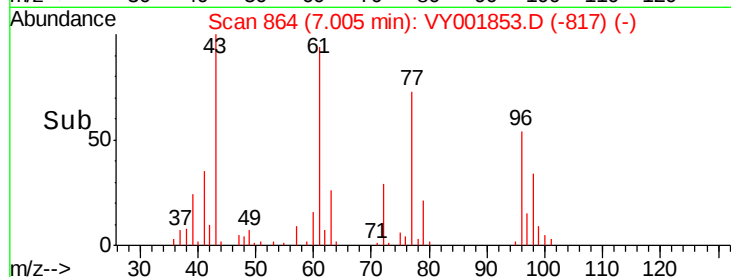
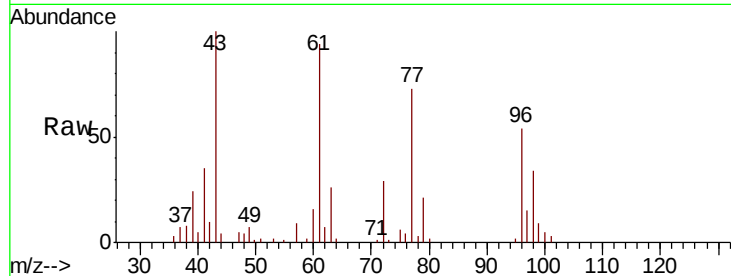




#25
2-Butanone
Concen: 20.508 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

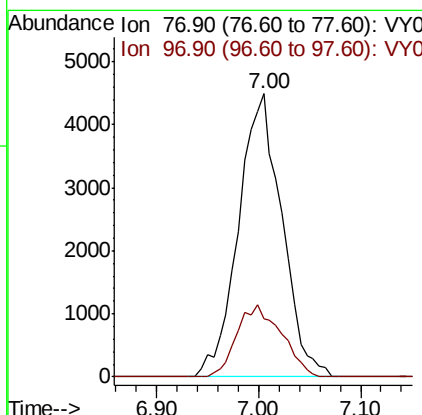
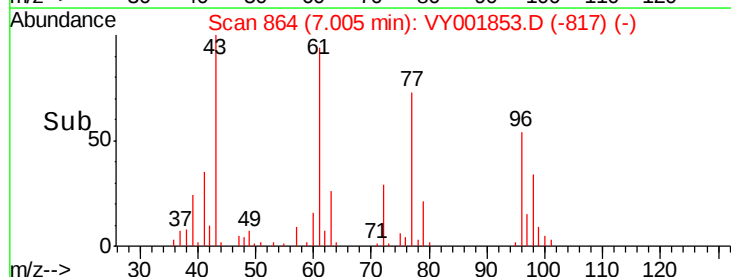
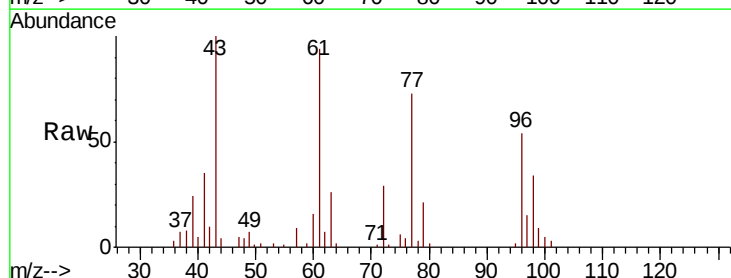
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

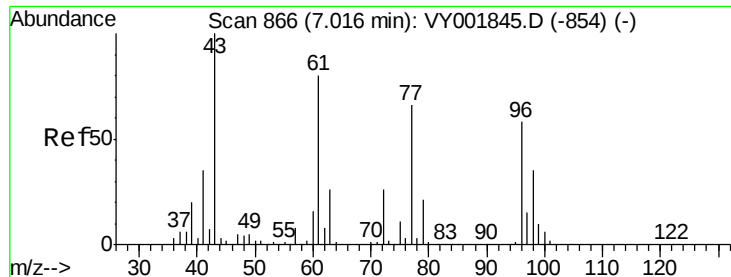
Tot Ion: 43 Resp: 17233
Ion Ratio Lower Upper
43 100
72 28.5 20.9 31.3



#26
2,2-Dichloropropane
Concen: 4.159 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion: 77 Resp: 13271
Ion Ratio Lower Upper
77 100
97 26.1 11.9 35.7



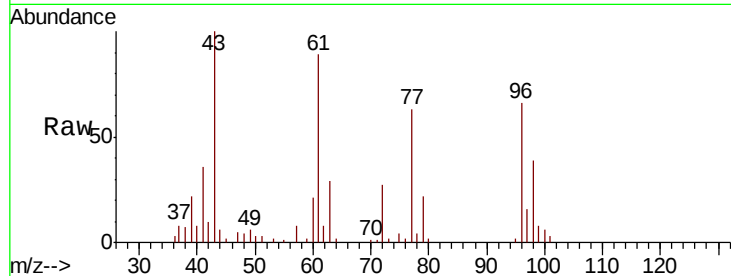


#27

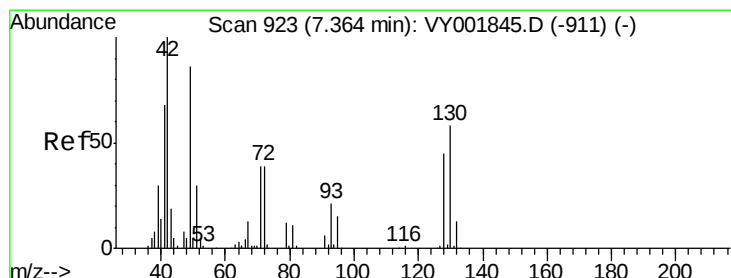
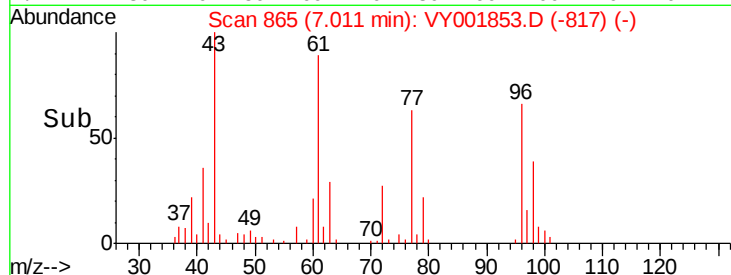
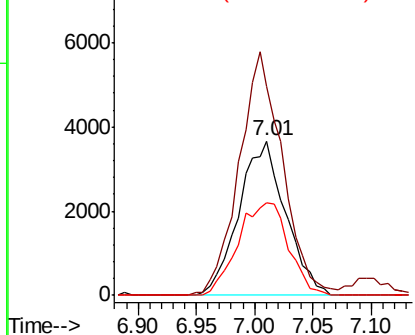
cis-1,2-Dichloroethene
Concen: 4.186 ug/l
RT: 7.01 min Scan# 865
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 96 Resp: 10211
Ion Ratio Lower Upper
96 100
61 146.7 0.0 288.2
98 64.6 0.0 129.0



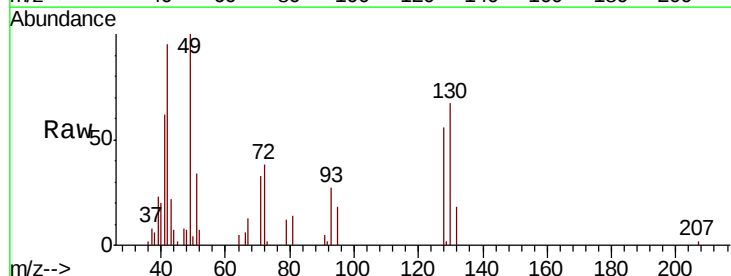
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



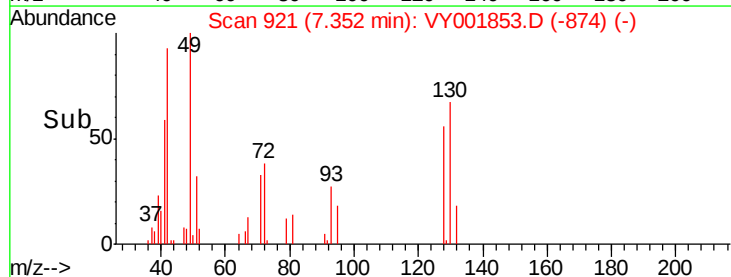
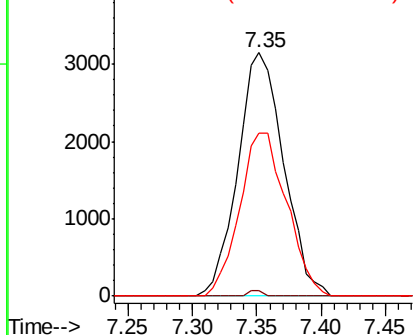
#28

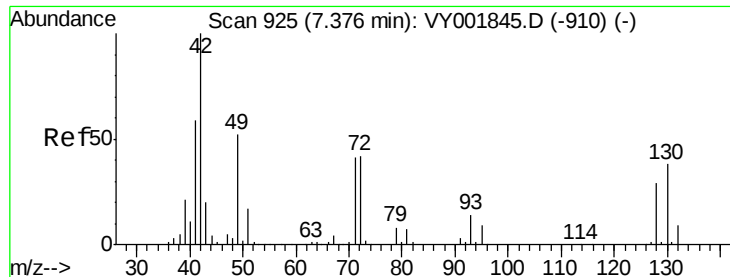
Bromochloromethane
Concen: 4.435 ug/l
RT: 7.35 min Scan# 921
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion: 49 Resp: 7772
Ion Ratio Lower Upper
49 100
129 0.6 0.0 3.8
130 68.6 54.4 81.6



Abundance Ion 48.90 (48.60 to 49.60): VY0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

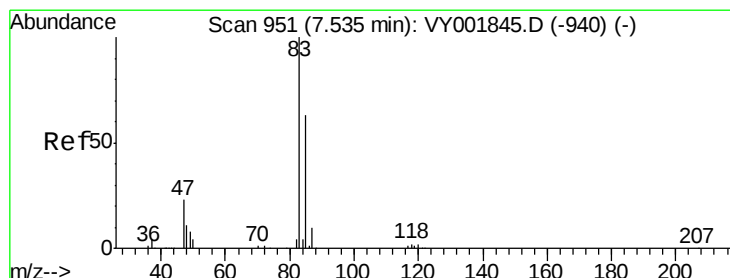
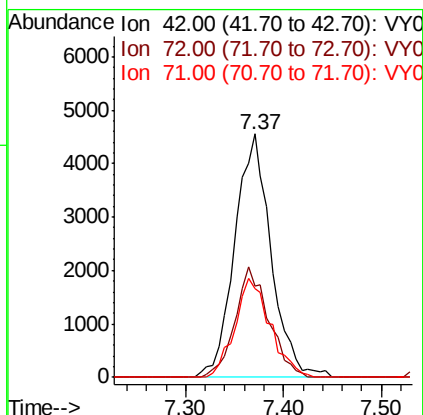
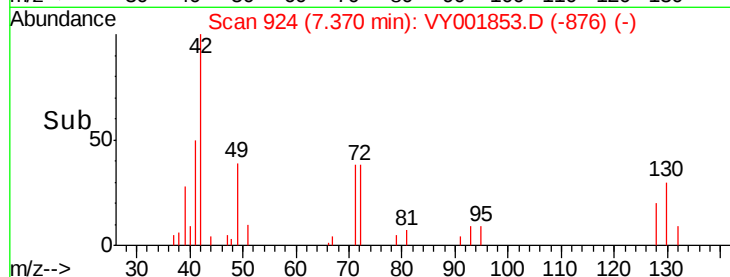
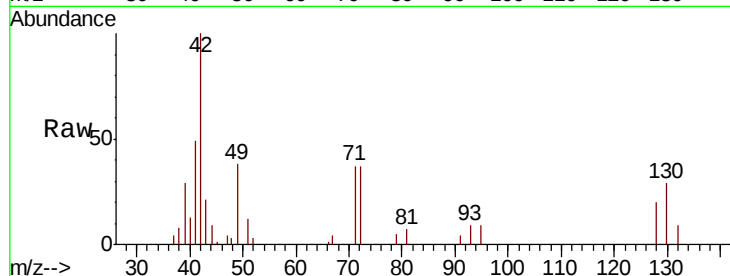




#29
Tetrahydrofuran
Concen: 21.071 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

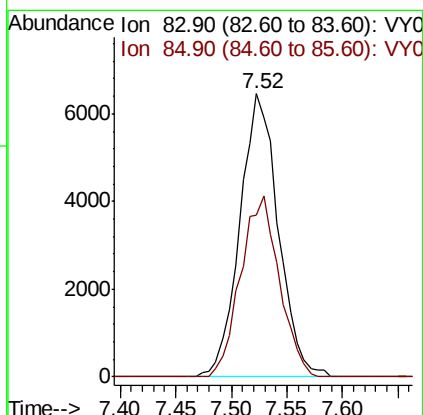
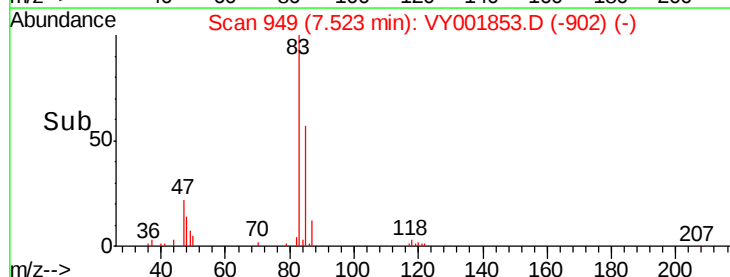
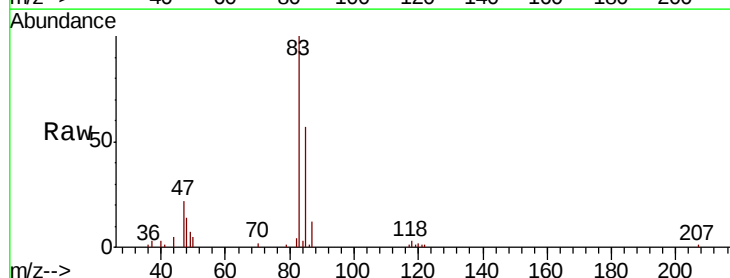
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

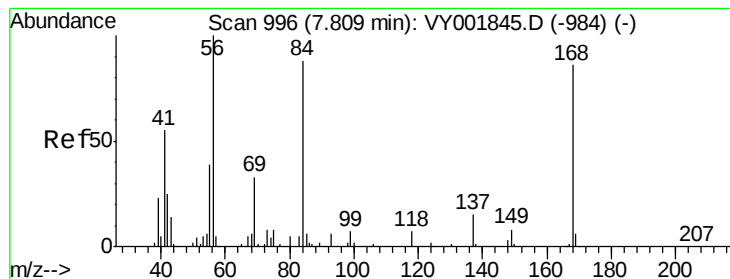
Tot Ion: 42 Resp: 11758
Ion Ratio Lower Upper
42 100
72 42.0 33.5 50.3
71 39.5 31.3 46.9



#30
Chloroform
Concen: 4.235 ug/l
RT: 7.52 min Scan# 949
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion: 83 Resp: 15471
Ion Ratio Lower Upper
83 100
85 56.9 50.7 76.1





#31

Cyclohexane

Concen: 5.048 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

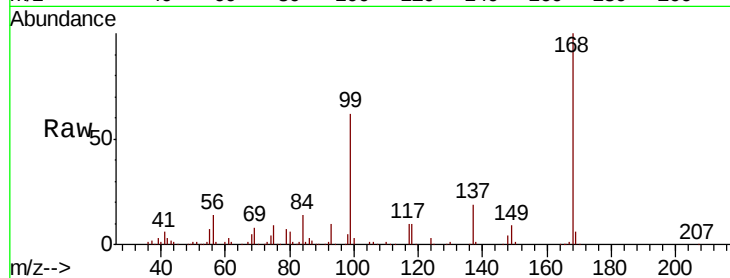
Tot Ion: 56 Resp: 21045

Ion Ratio Lower Upper

56 100

69 54.4 26.7 40.1#

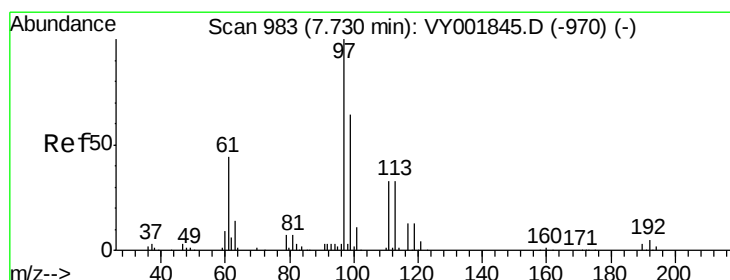
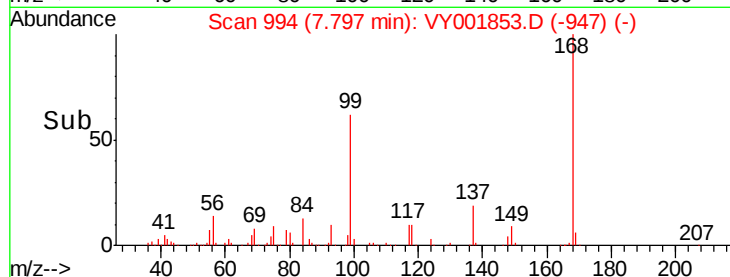
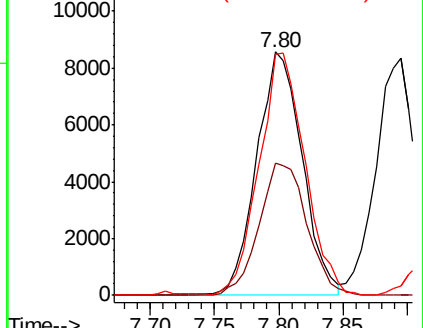
84 98.1 70.4 105.6



Abundance Ion 56.00 (55.70 to 56.70): VY0

Ion 69.00 (68.70 to 69.70): VY0

Ion 84.00 (83.70 to 84.70): VY0



#32

1,1,1-Trichloroethane

Concen: 4.123 ug/l

RT: 7.72 min Scan# 982

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

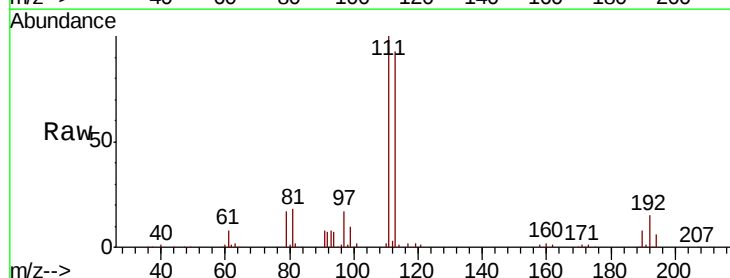
Tgt Ion: 97 Resp: 12695

Ion Ratio Lower Upper

97 100

99 64.1 52.0 78.0

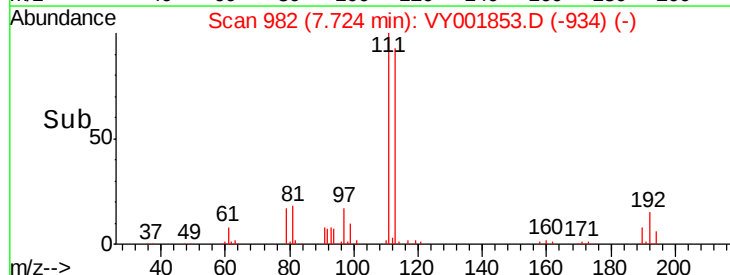
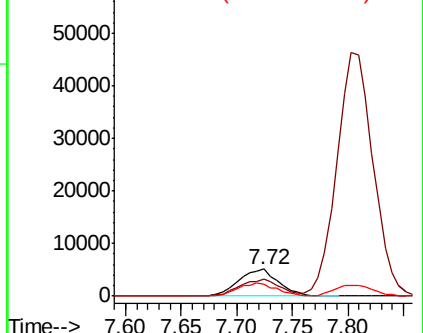
61 48.0 35.0 52.4

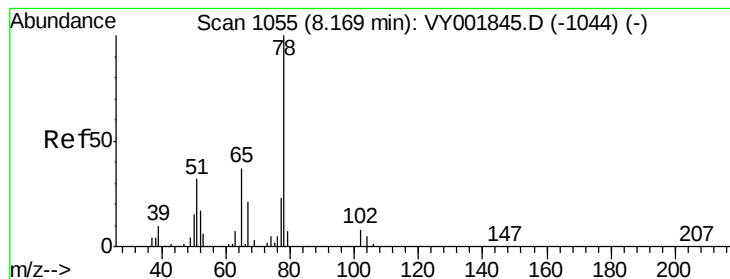


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0





#33

1,2-Dichloroethane-d4

Concen: 51.076 ug/l

RT: 8.16 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

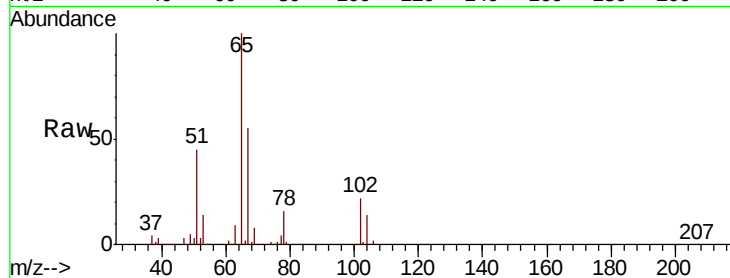
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 65 Resp: 96899

Ion Ratio Lower Upper

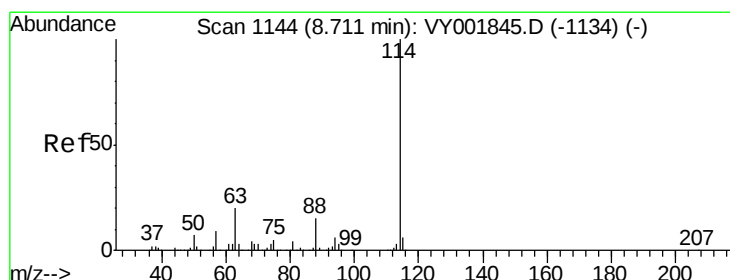
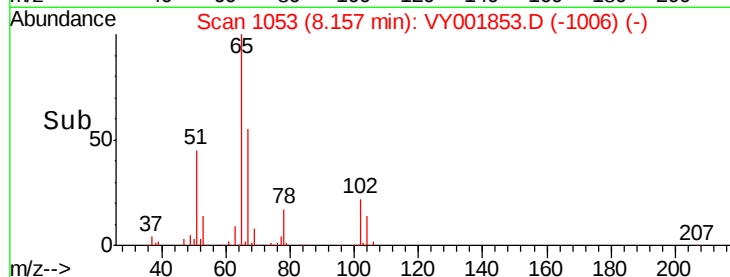
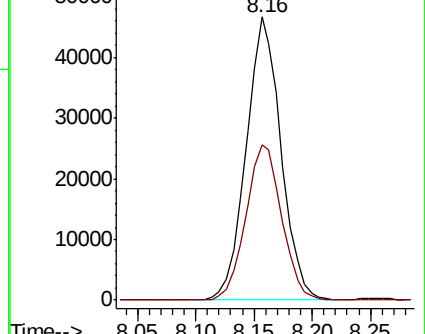
65 100

67 56.5 0.0 110.8



Abundance Ion 64.90 (64.60 to 65.60): VY0

Ion 66.90 (66.60 to 67.60): VY0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.71 min Scan# 1143

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

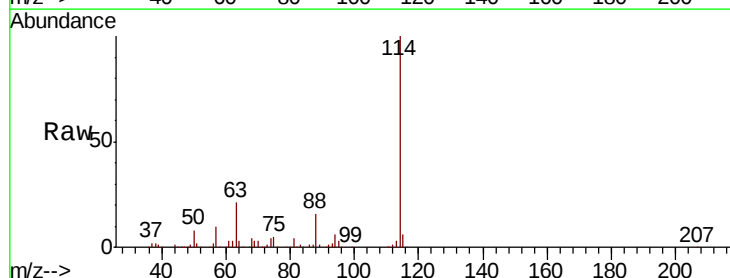
Tgt Ion: 114 Resp: 321057

Ion Ratio Lower Upper

114 100

63 21.1 0.0 39.4

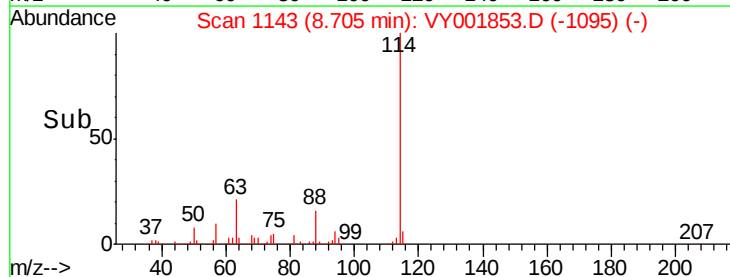
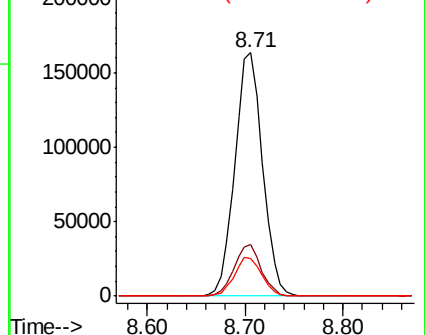
88 15.7 0.0 30.4

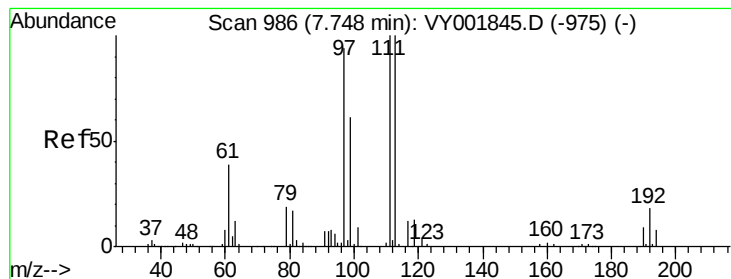


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VY0

Ion 87.90 (87.60 to 88.60): VY0





#35

Dibromofluoromethane

Concen: 50.763 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

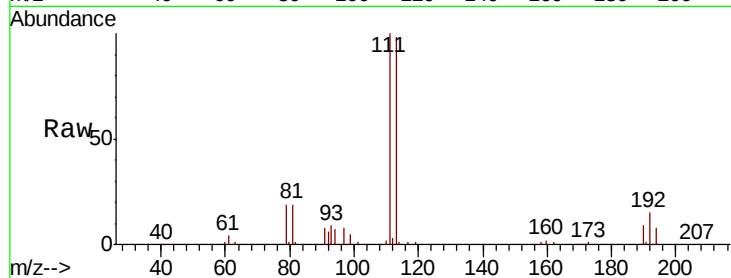
Tot Ion:113 Resp: 88993

Ion Ratio Lower Upper

113 100

111 103.4 81.8 122.8

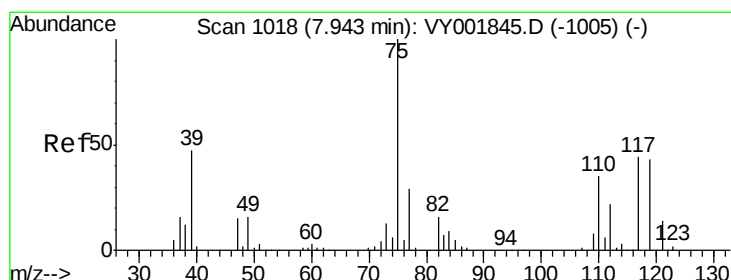
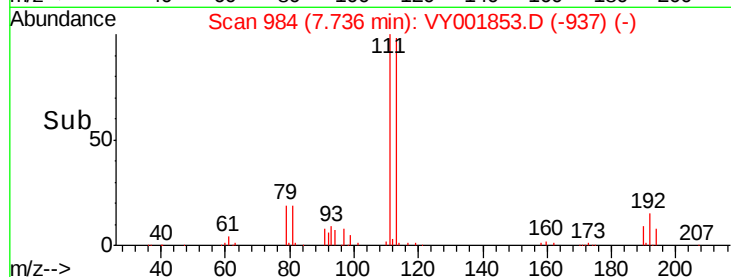
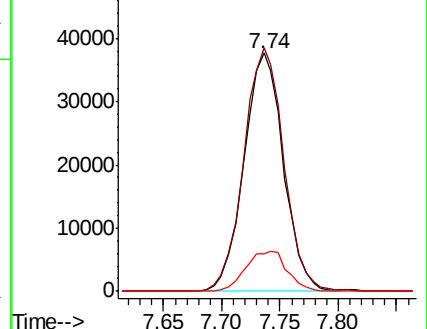
192 17.8 14.2 21.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.265 ug/l

RT: 7.93 min Scan# 1016

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

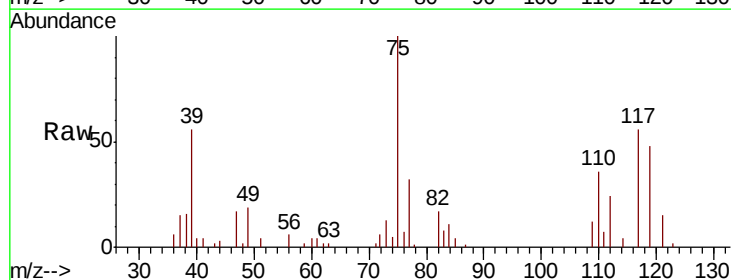
Tgt Ion: 75 Resp: 13176

Ion Ratio Lower Upper

75 100

110 38.0 17.4 52.2

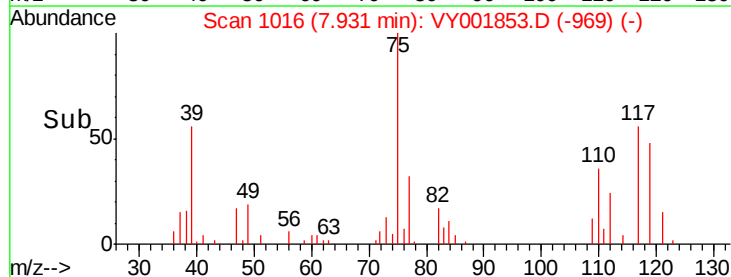
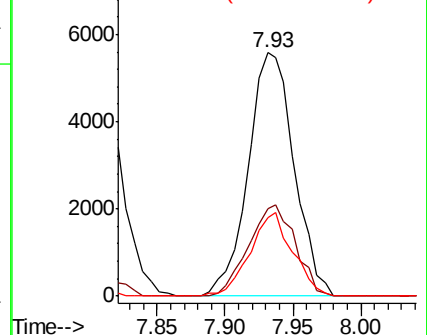
77 31.9 24.2 36.2

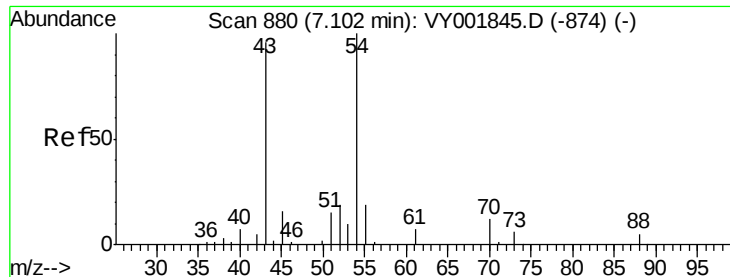


Abundance Ion 74.90 (74.60 to 75.60): VY0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VY0

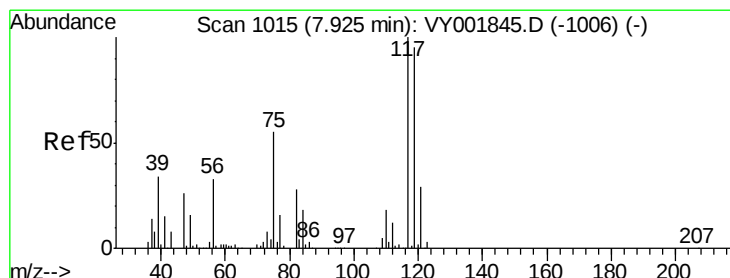
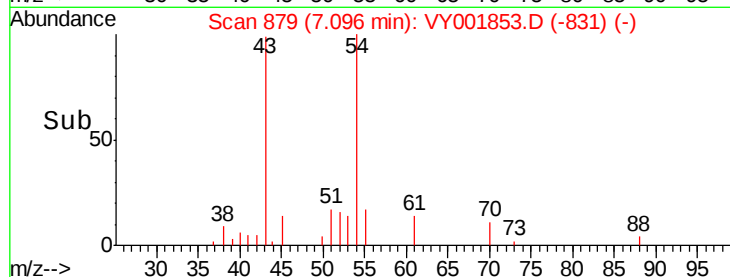
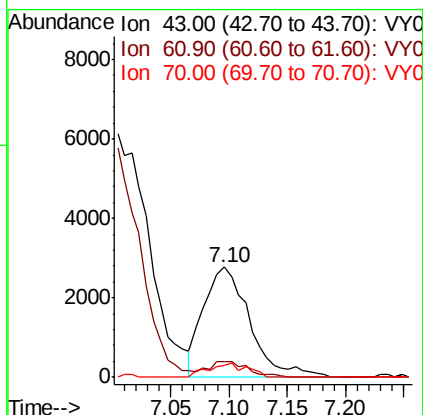
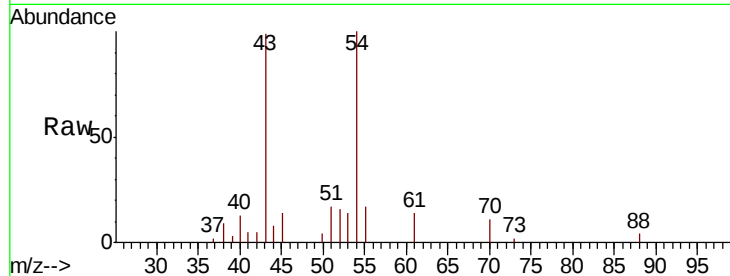




#37
Ethyl Acetate
Concen: 4.263 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

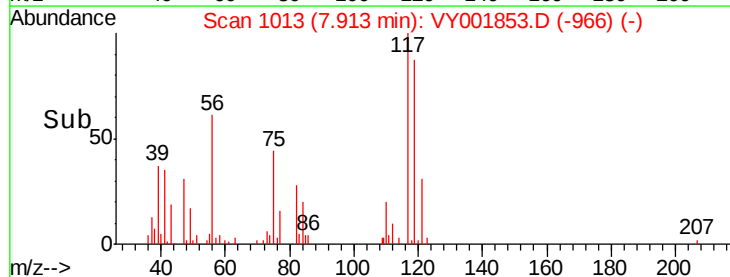
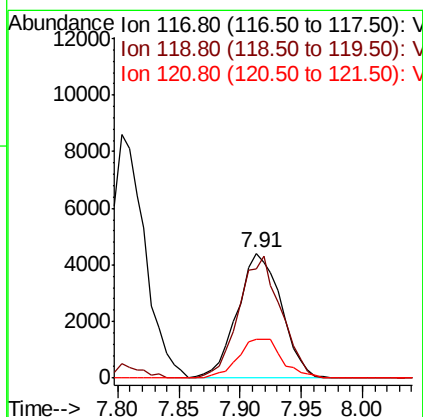
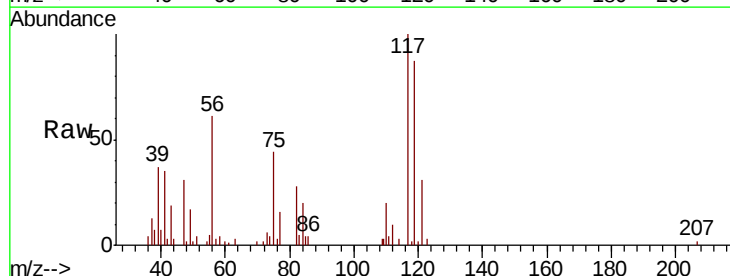
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

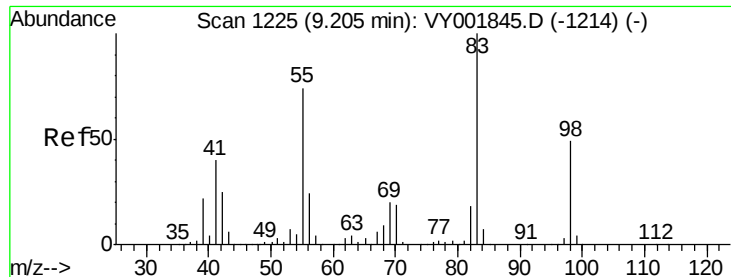
Tot Ion: 43 Resp: 7655
Ion Ratio Lower Upper
43 100
61 12.4 11.1 16.7
70 10.9 8.2 12.4



#38
Carbon Tetrachloride
Concen: 4.191 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion: 117 Resp: 11062
Ion Ratio Lower Upper
117 100
119 86.9 76.3 114.5
121 30.7 23.5 35.3

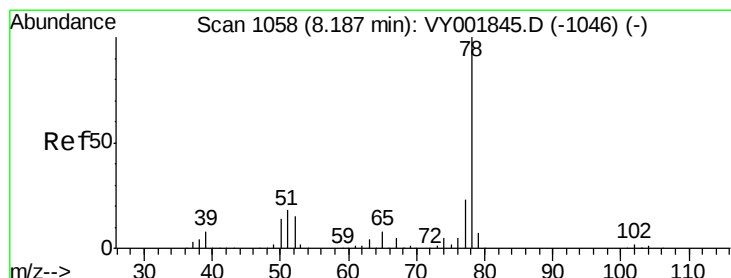
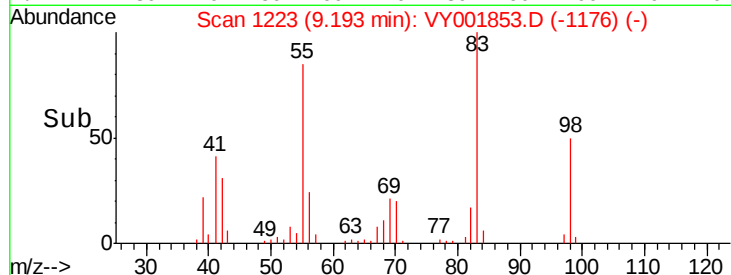
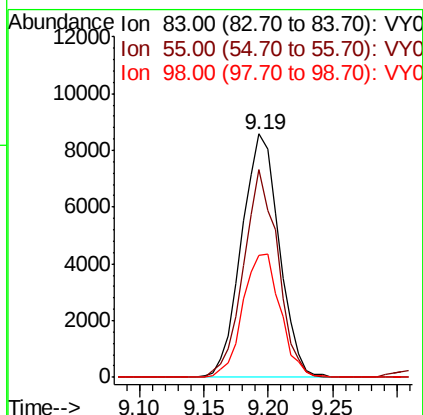
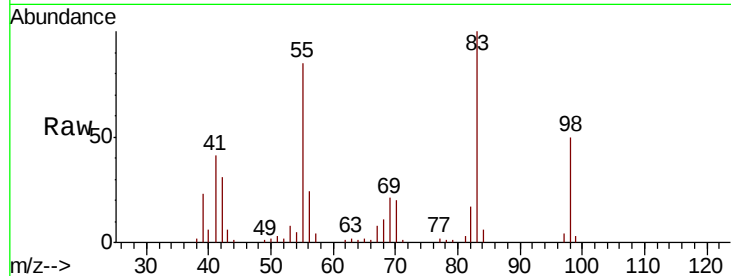




#39
Methvlcvclohexane
Concen: 4.230 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

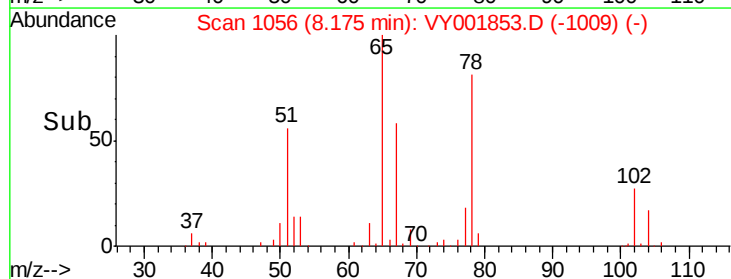
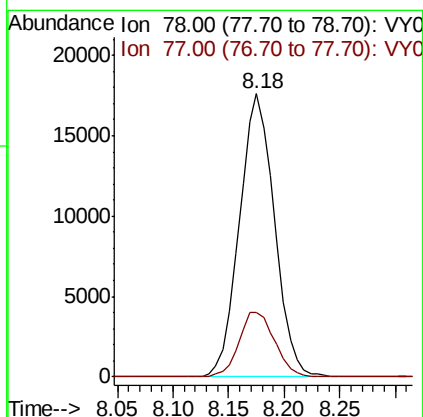
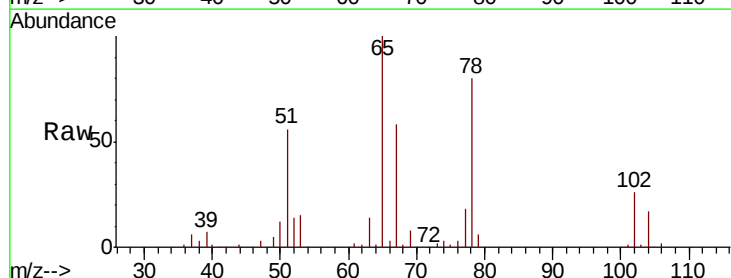
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

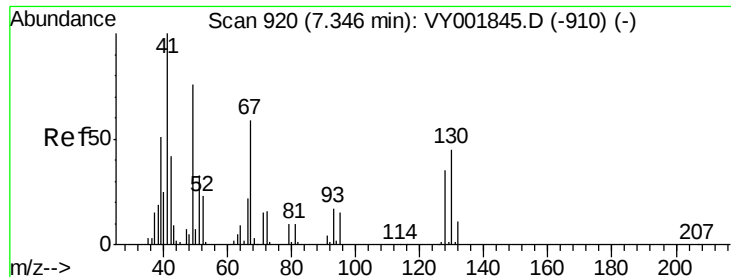
Tot Ion: 83 Resp: 17334
Ion Ratio Lower Upper
83 100
55 85.3 59.4 89.0
98 50.1 38.9 58.3



#40
Benzene
Concen: 4.207 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion: 78 Resp: 38521
Ion Ratio Lower Upper
78 100
77 22.6 18.7 28.1

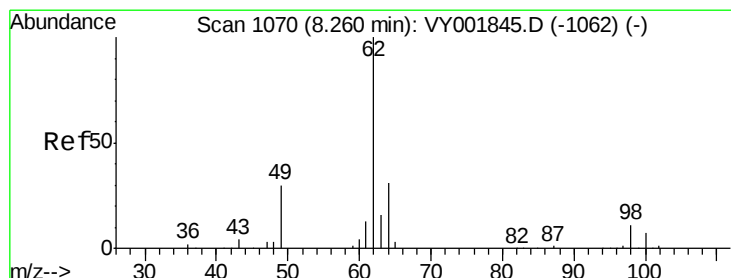
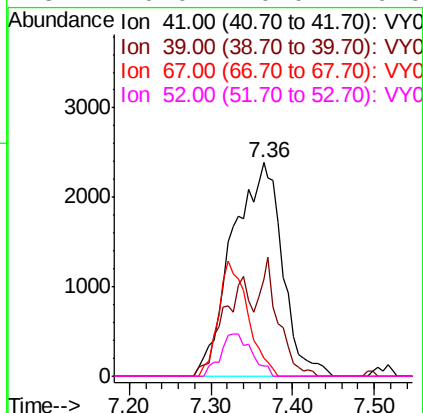
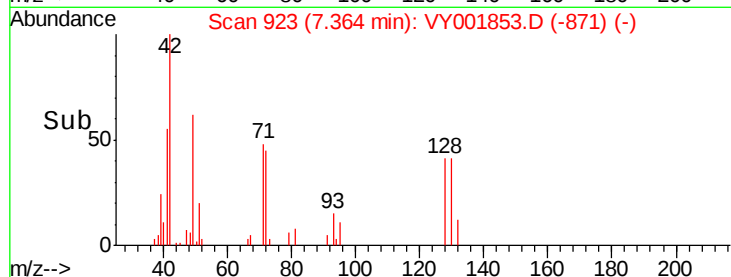
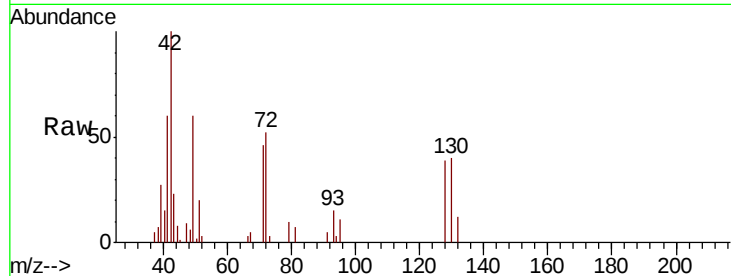




#41
Methacrylonitrile
Concen: 12.571 ug/l
RT: 7.36 min Scan# 923
Delta R.T. 0.02 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

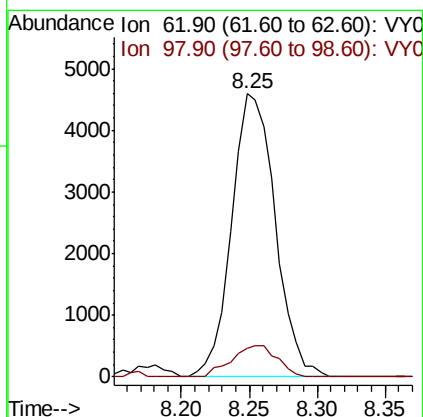
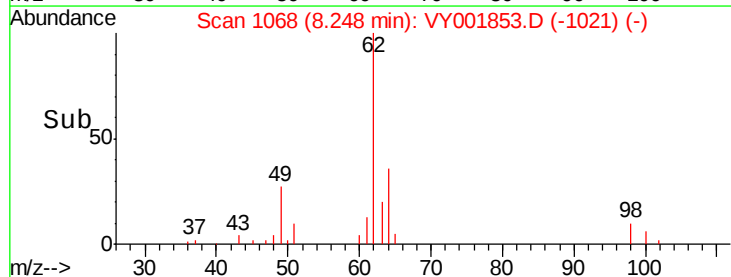
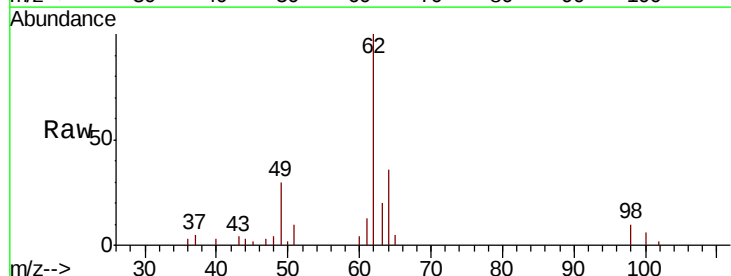
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

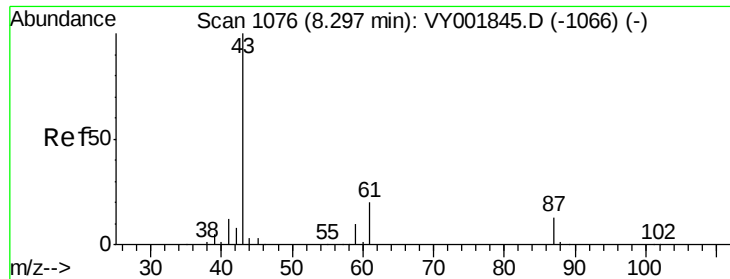
Tot Ion: 41 Resp: 10159
Ion Ratio Lower Upper
41 100
39 21.5 111.7 167.5#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 4.354 ug/l
RT: 8.25 min Scan# 1068
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion: 62 Resp: 10274
Ion Ratio Lower Upper
62 100
98 11.5 0.0 21.4





#43

Isopropyl Acetate

Concen: 4.107 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

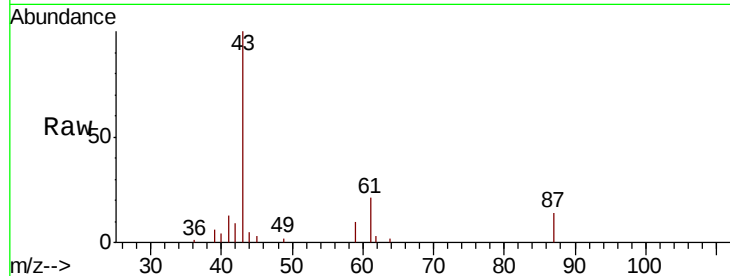
Tot Ion: 43 Resp: 13962

Ion Ratio Lower Upper

43 100

61 29.9 23.8 35.6

87 12.8 10.9 16.3

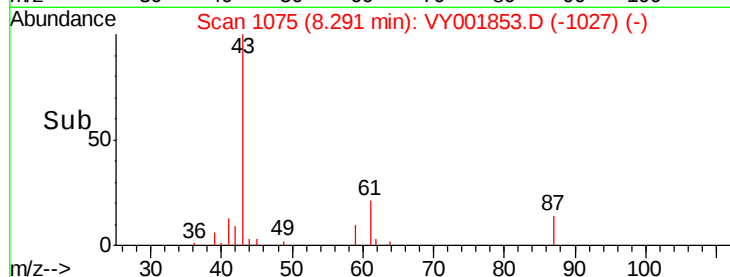


Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1066) (-)

Ion 61.00 (60.70 to 61.70): VY001845.D (-1066) (-)

Ion 87.00 (86.70 to 87.70): VY001845.D (-1066) (-)

Time-->



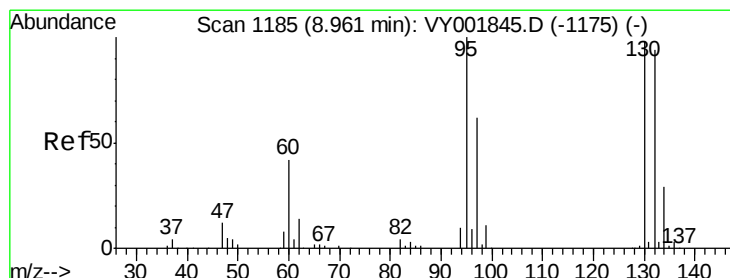
Abundance

Ion 43.00 (42.70 to 43.70): VY001853.D (-1027) (-)

Ion 61.00 (60.70 to 61.70): VY001853.D (-1027) (-)

Ion 87.00 (86.70 to 87.70): VY001853.D (-1027) (-)

Time-->



#44

Trichloroethene

Concen: 4.195 ug/l

RT: 8.95 min Scan# 1183

Delta R.T. -0.01 min

Lab File: VY001853.D

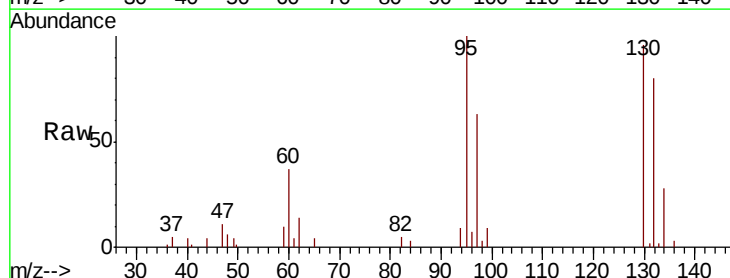
Acq: 04 Mar 2020 15:06

Tgt Ion:130 Resp: 9356

Ion Ratio Lower Upper

130 100

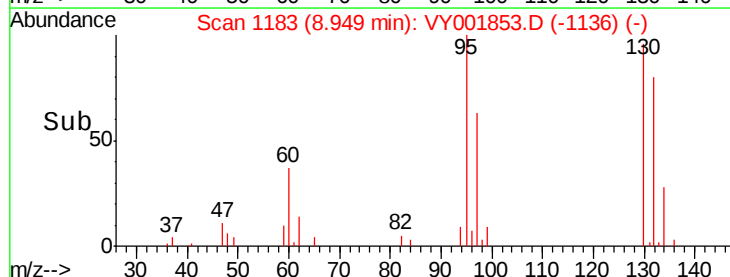
95 103.9 0.0 204.6



Abundance Ion 129.80 (129.50 to 130.50): VY001845.D (-1175) (-)

Ion 94.90 (94.60 to 95.60): VY001845.D (-1175) (-)

Time-->

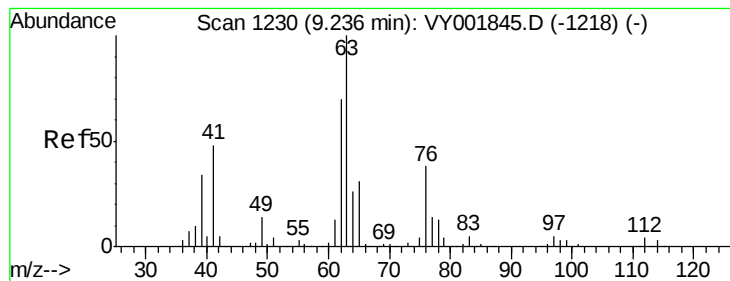


Abundance

Ion 129.80 (129.50 to 130.50): VY001853.D (-1136) (-)

Ion 94.90 (94.60 to 95.60): VY001853.D (-1136) (-)

Time-->



#45

1,2-Dichloropropane

Concen: 4.243 ug/l

RT: 9.23 min Scan# 1229

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

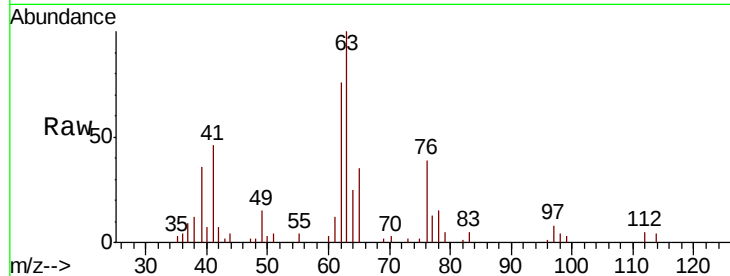
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 63 Resp: 9768

Ion Ratio Lower Upper

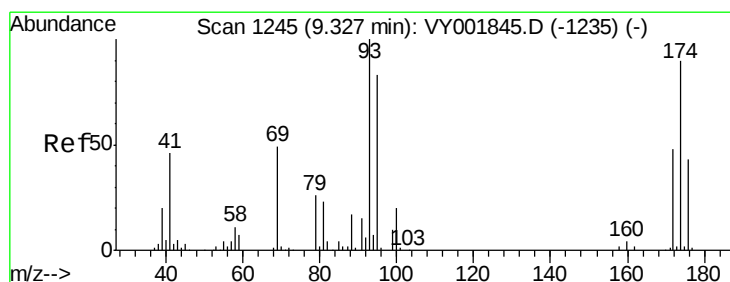
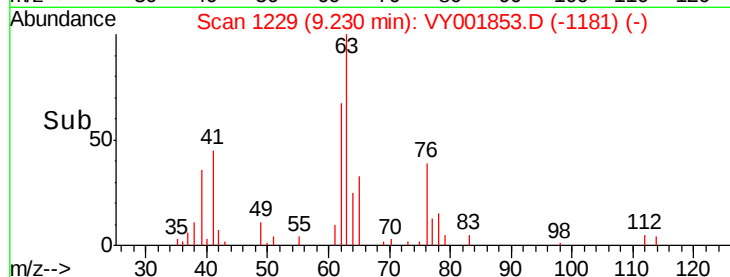
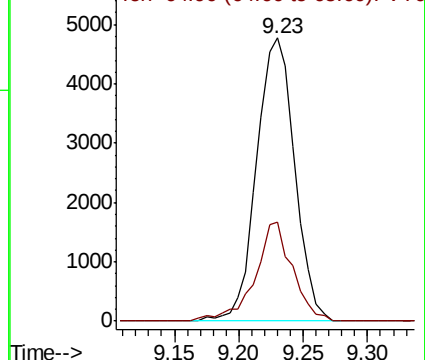
63 100

65 34.8 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 4.104 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

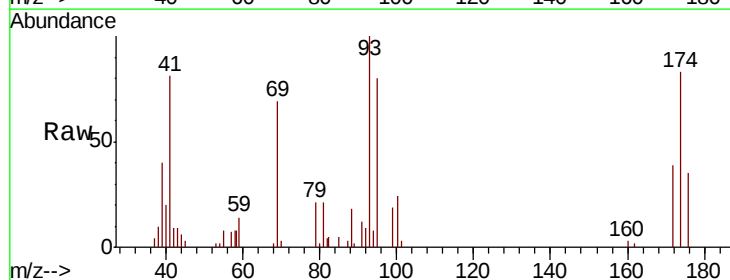
Tgt Ion: 93 Resp: 4869

Ion Ratio Lower Upper

93 100

95 91.0 67.0 100.4

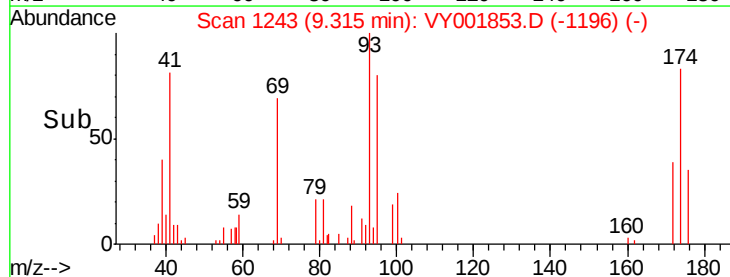
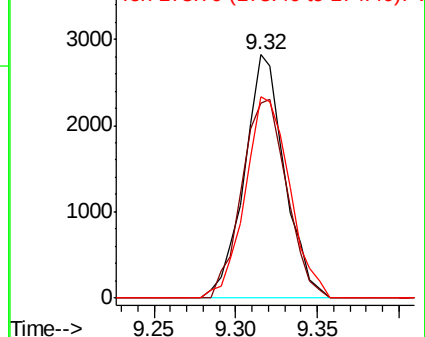
174 91.0 71.8 107.8

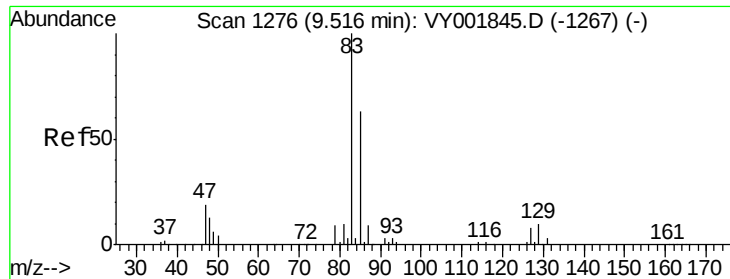


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 4.194 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

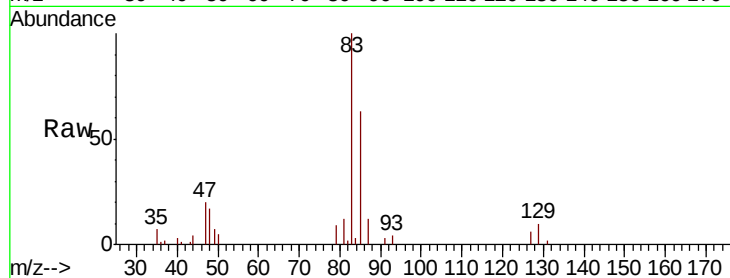
Tot Ion: 83 Resp: 11574

Ion Ratio Lower Upper

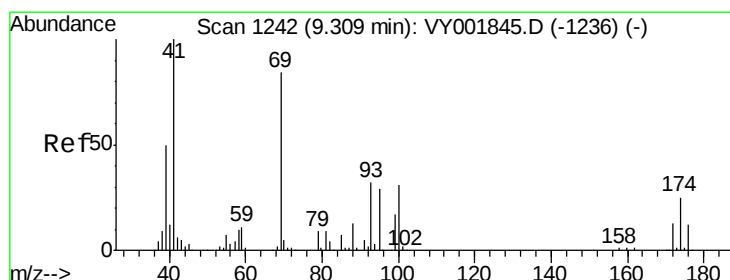
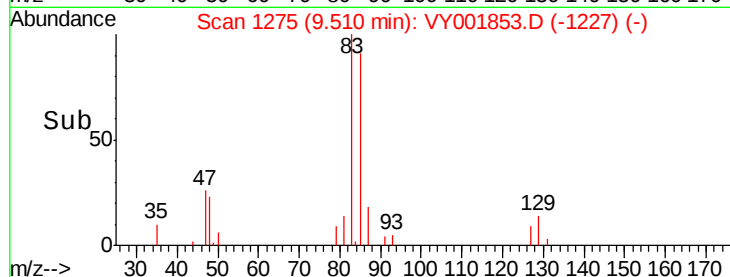
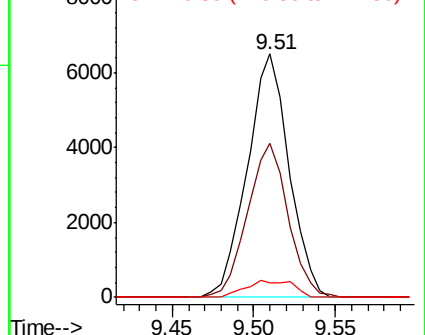
83 100

85 63.4 50.6 76.0

127 6.1 6.2 9.4#



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 4.145 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

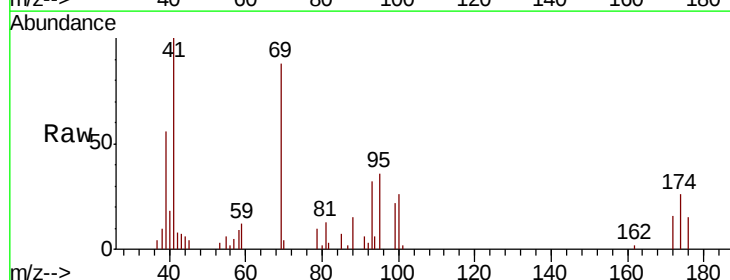
Tgt Ion: 41 Resp: 6253

Ion Ratio Lower Upper

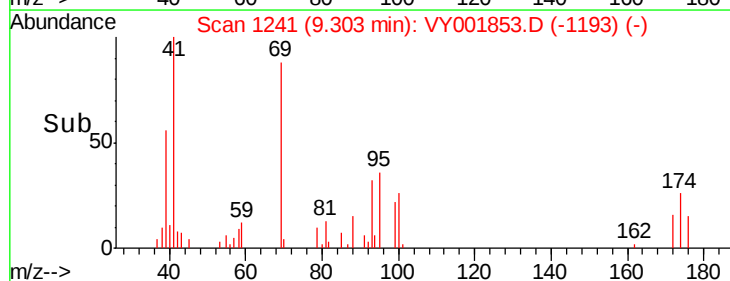
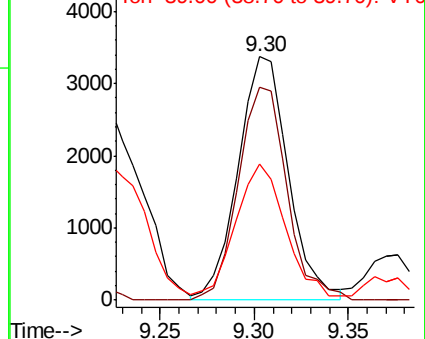
41 100

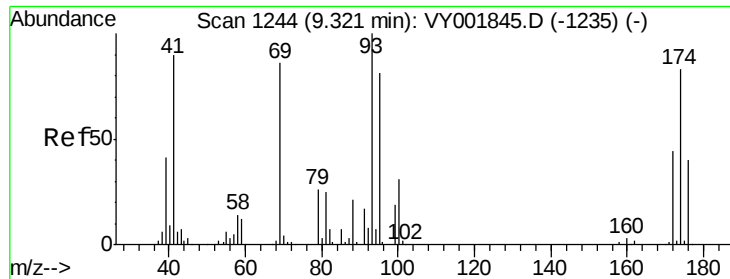
69 85.0 69.0 103.6

39 53.4 39.1 58.7



Abundance Ion 41.00 (40.70 to 41.70): VY0
Ion 69.00 (68.70 to 69.70): VY0
Ion 39.00 (38.70 to 39.70): VY0

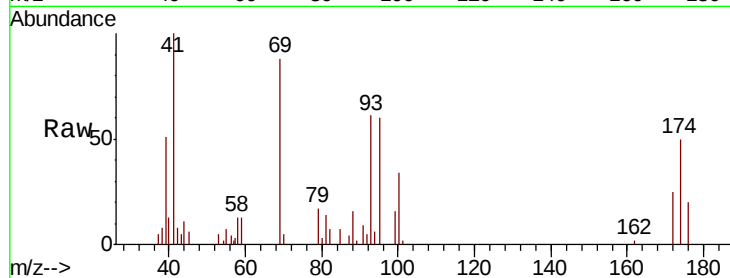




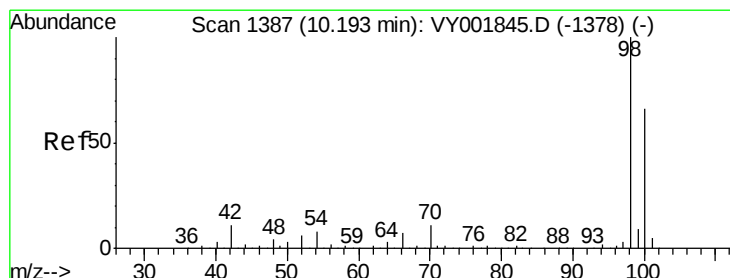
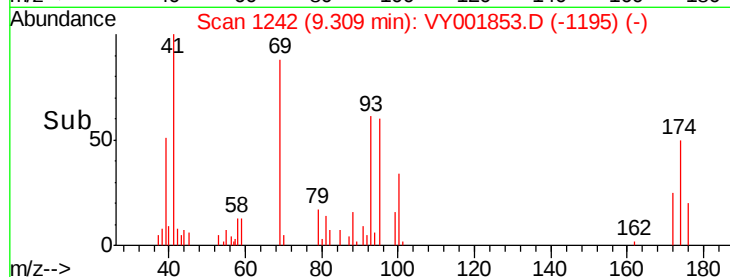
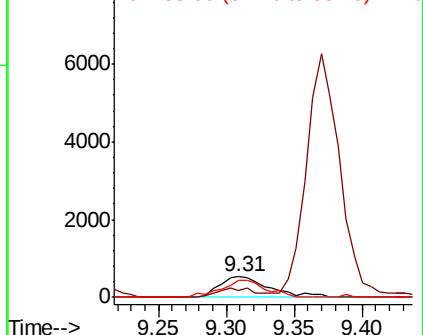
#49
 1,4-Dioxane
 Concen: 82.990 ug/l
 RT: 9.31 min Scan# 1242
 Delta R.T. -0.01 min
 Lab File: VY001853.D
 Acq: 04 Mar 2020 15:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 88 Resp: 1349
 Ion Ratio Lower Upper
 88 100
 43 35.4 25.0 37.6
 58 73.7 58.9 88.3

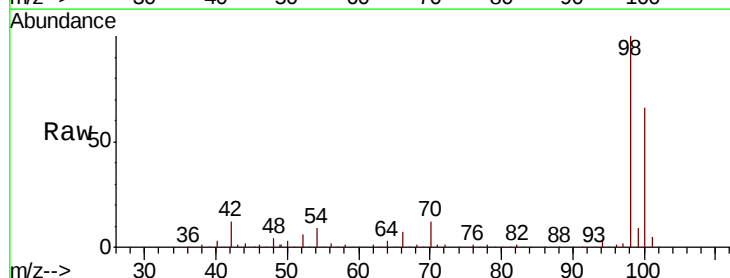


Abundance Ion 88.00 (87.70 to 88.70): VY0
 Ion 43.00 (42.70 to 43.70): VY0
 Ion 58.00 (57.70 to 58.70): VY0

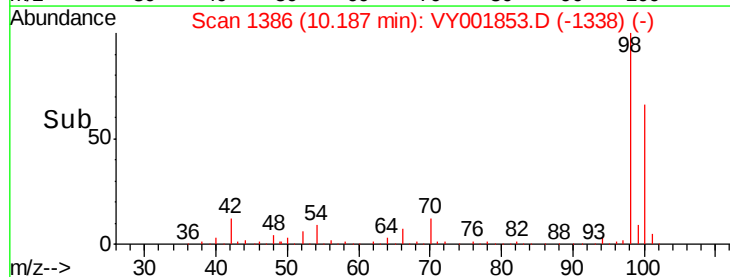
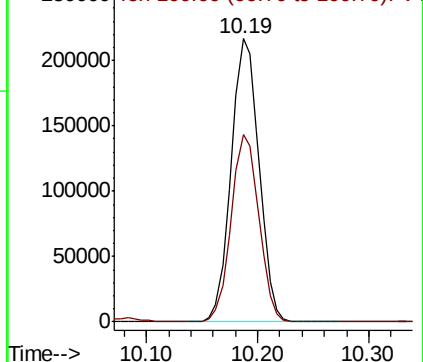


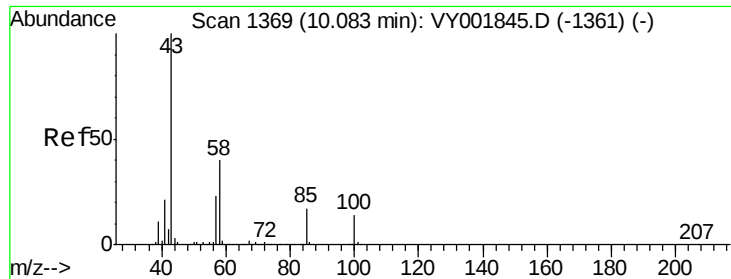
#50
 Toluene-d8
 Concen: 50.748 ug/l
 RT: 10.19 min Scan# 1386
 Delta R.T. -0.01 min
 Lab File: VY001853.D
 Acq: 04 Mar 2020 15:06

Tgt Ion: 98 Resp: 375160
 Ion Ratio Lower Upper
 98 100
 100 66.0 53.0 79.4



Abundance Ion 98.00 (97.70 to 98.70): VY0
 Ion 100.00 (99.70 to 100.70): VY0





#51

4-Methyl-2-Pentanone

Concen: 19.989 ug/l

RT: 10.08 min Scan# 1369

Delta R.T. 0.00 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

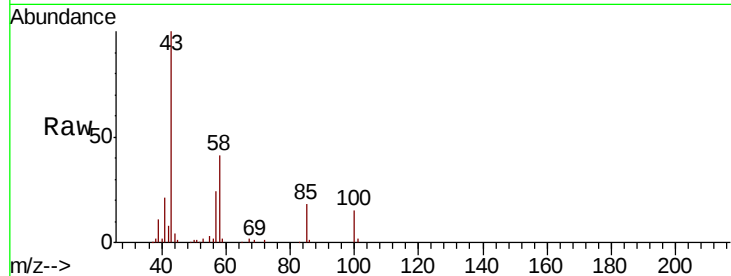
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 35002

Ion Ratio Lower Upper

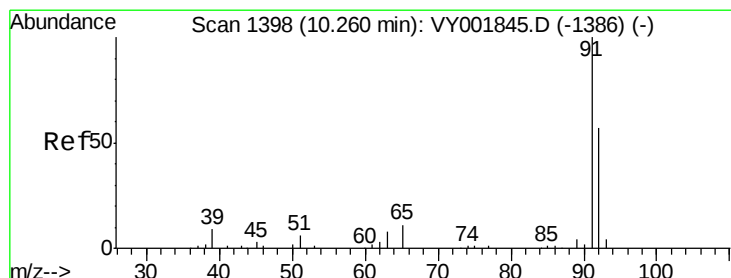
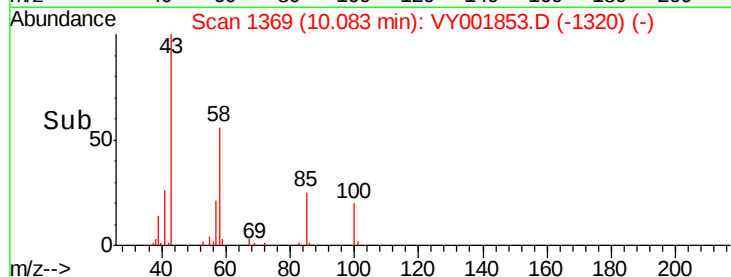
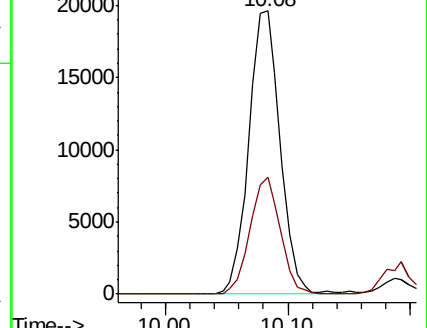
43 100

58 40.0 32.0 48.0



Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-1361) (-)

Ion 58.00 (57.70 to 58.70): VY001845.D (-1361) (-)



#52

Toluene

Concen: 4.241 ug/l

RT: 10.25 min Scan# 1396

Delta R.T. -0.01 min

Lab File: VY001853.D

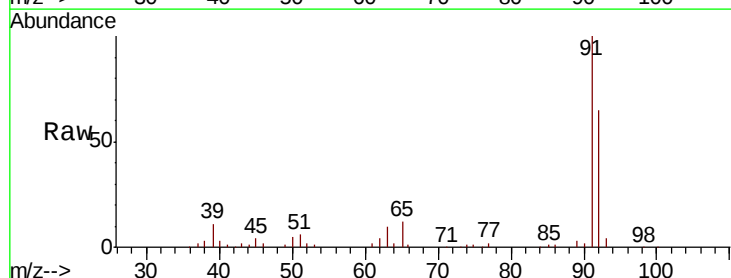
Acq: 04 Mar 2020 15:06

Tgt Ion: 92 Resp: 23595

Ion Ratio Lower Upper

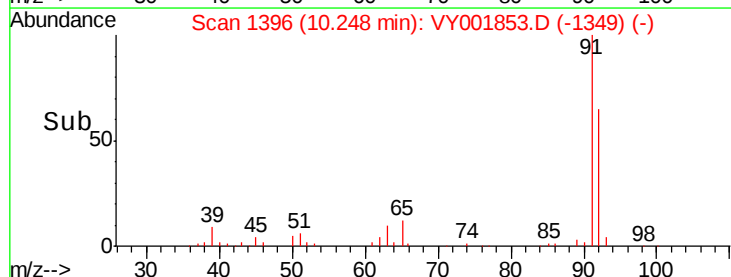
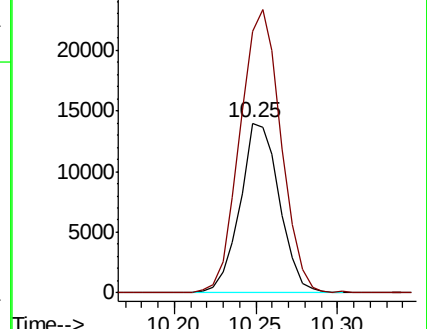
92 100

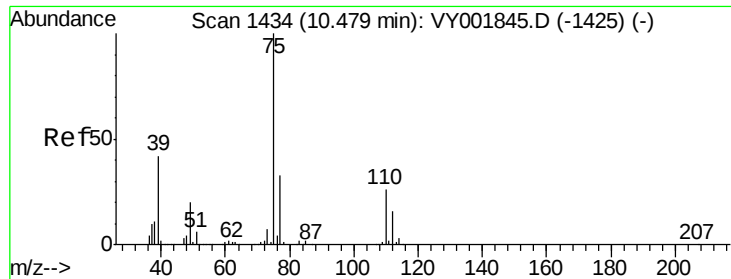
91 172.8 138.6 208.0



Abundance Ion 92.00 (91.70 to 92.70): VY001845.D (-1386) (-)

Ion 91.00 (90.70 to 91.70): VY001845.D (-1386) (-)





#53

t-1,3-Dichloropropene

Concen: 4.048 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

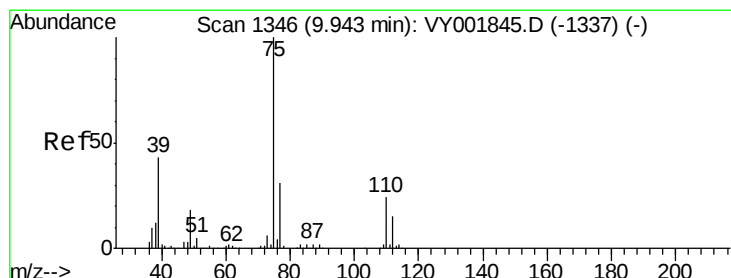
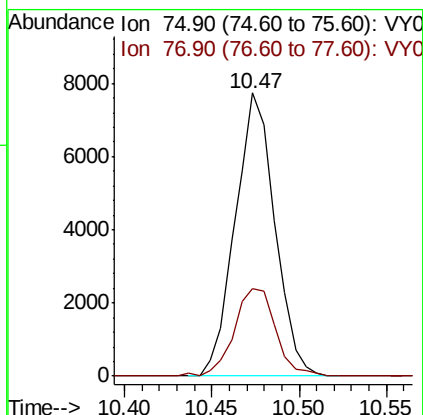
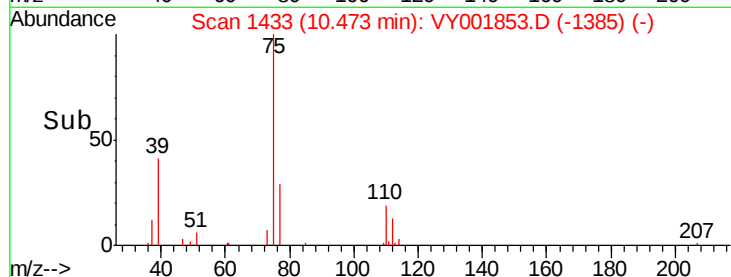
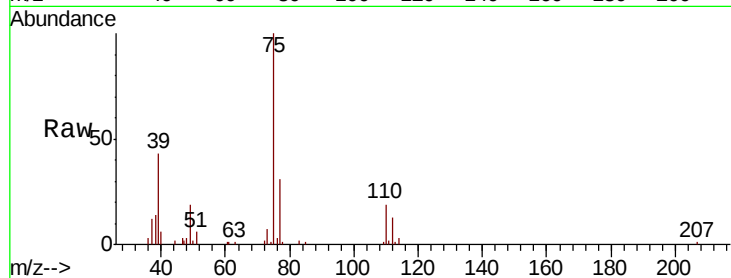
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 75 Resp: 12171

Ion Ratio Lower Upper

75 100

77 30.8 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 3.992 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

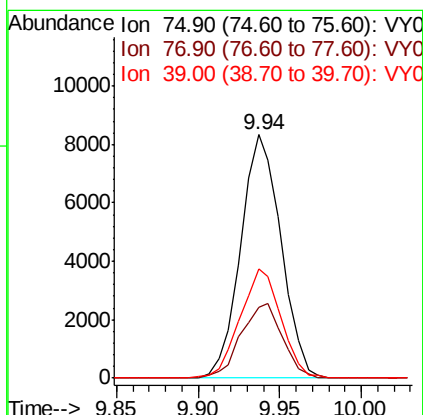
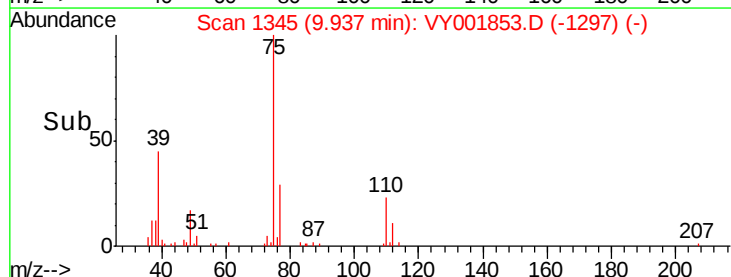
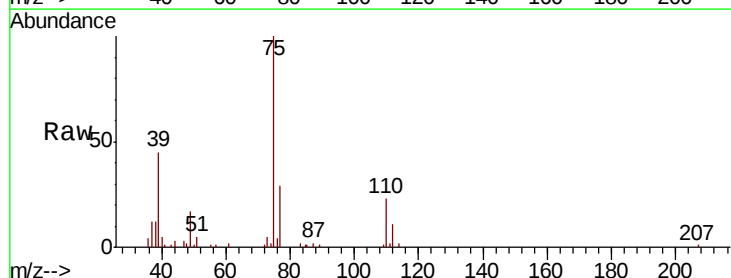
Tgt Ion: 75 Resp: 14286

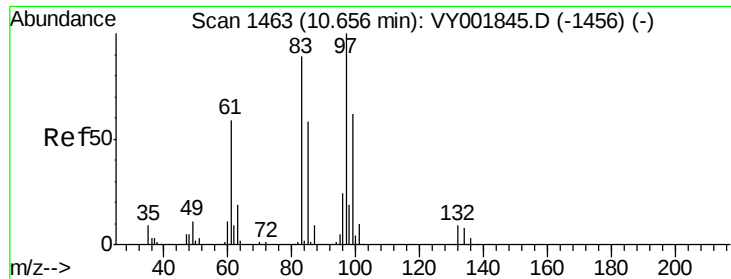
Ion Ratio Lower Upper

75 100

77 28.9 25.1 37.7

39 44.9 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 4.258 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 97 Resp: 7392

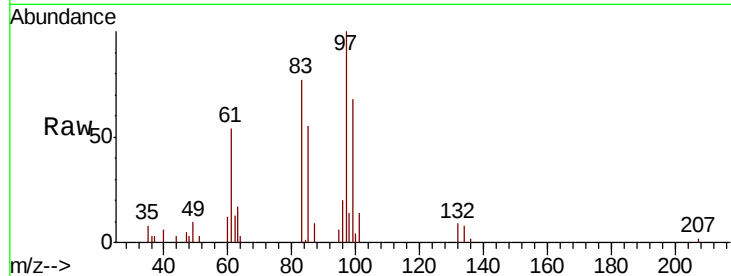
Ion Ratio Lower Upper

97 100

83 77.2 71.6 107.4

85 55.5 46.6 69.8

99 68.0 49.8 74.6

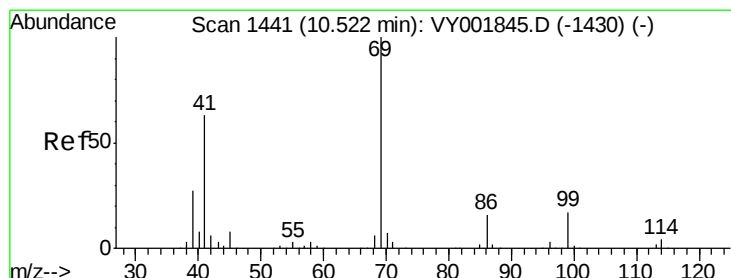
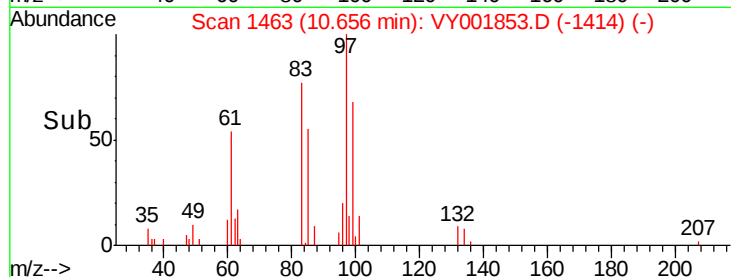
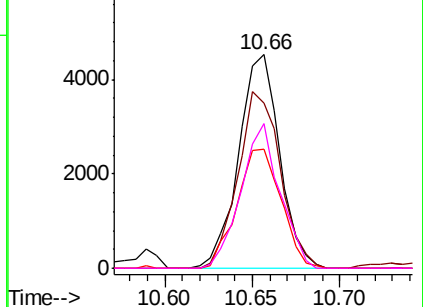


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 82.90 (82.60 to 83.60): VY0

Ion 84.90 (84.60 to 85.60): VY0

Ion 98.90 (98.60 to 99.60): VY0



#56

Ethyl methacrylate

Concen: 3.875 ug/l

RT: 10.52 min Scan# 1440

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

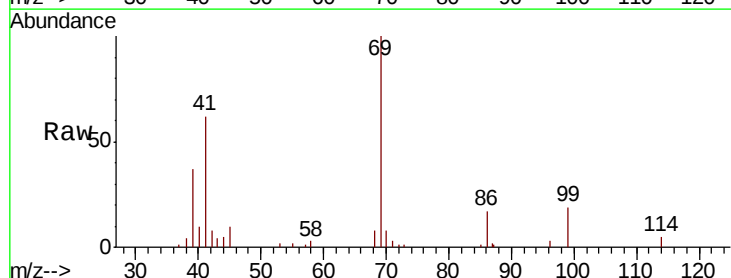
Tgt Ion: 69 Resp: 9861

Ion Ratio Lower Upper

69 100

41 66.8 49.9 74.9

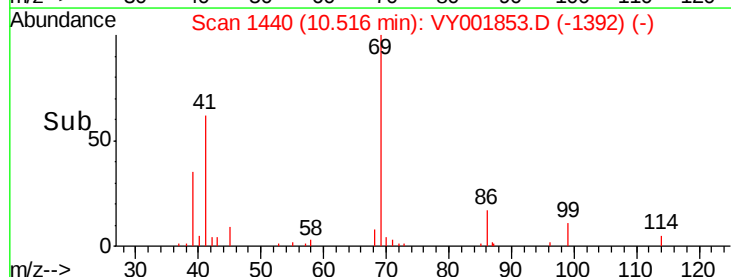
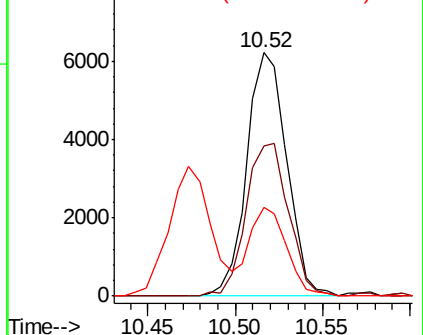
39 34.7 23.0 34.6#

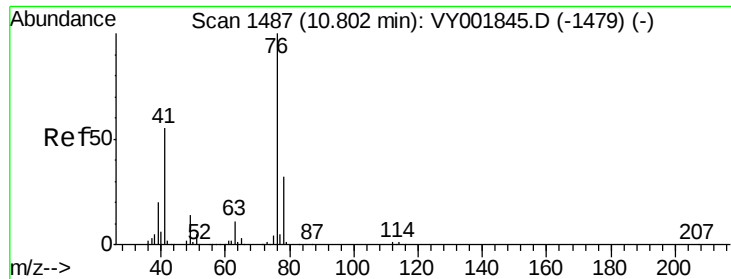


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0





#57

1,3-Dichloropropane

Concen: 4.154 ug/l

RT: 10.80 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

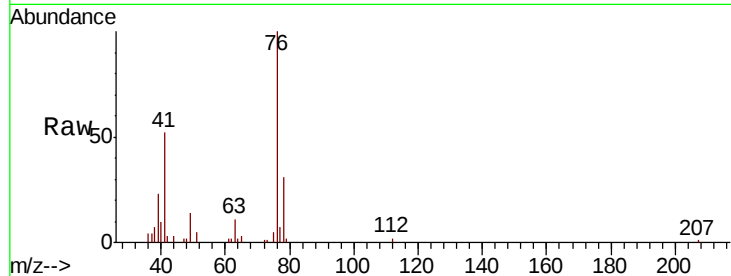
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 76 Resp: 12855

Ion Ratio Lower Upper

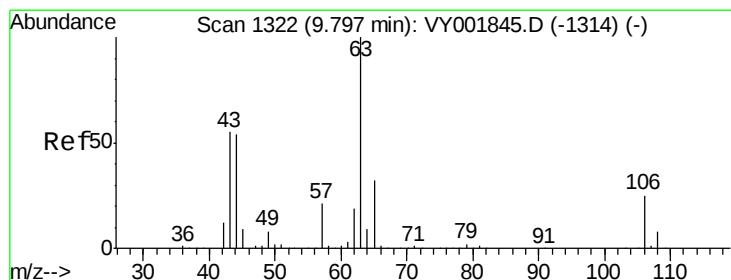
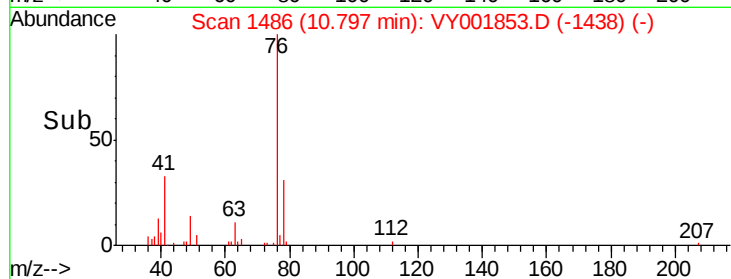
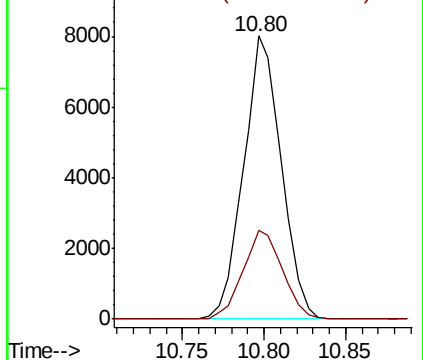
76 100

78 32.8 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VY0

Ion 77.90 (77.60 to 78.60): VY0



#58

2-Chloroethyl Vinyl ether

Concen: 18.827 ug/l

RT: 9.79 min Scan# 1321

Delta R.T. -0.01 min

Lab File: VY001853.D

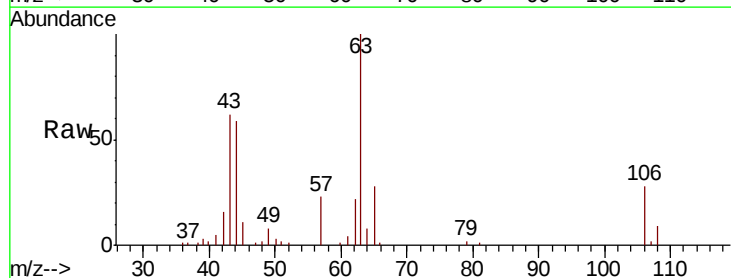
Acq: 04 Mar 2020 15:06

Tgt Ion: 63 Resp: 18997

Ion Ratio Lower Upper

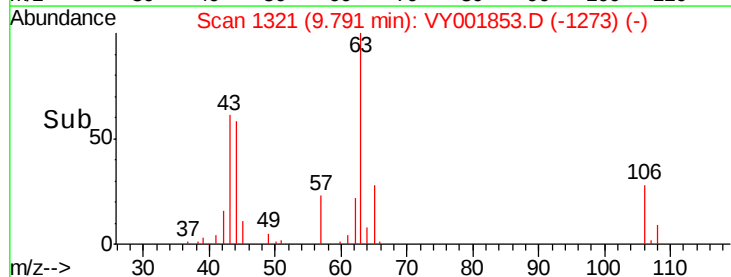
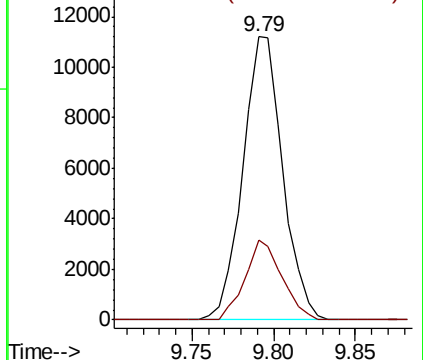
63 100

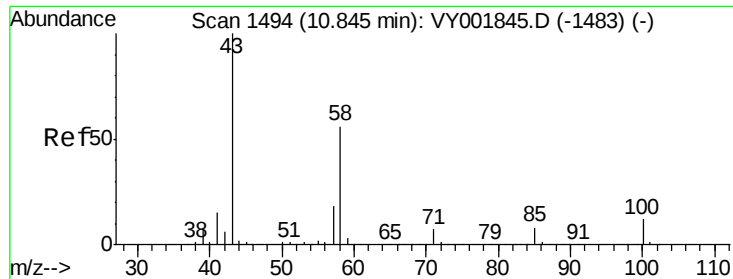
106 26.2 21.3 31.9



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 105.90 (105.60 to 106.60): V

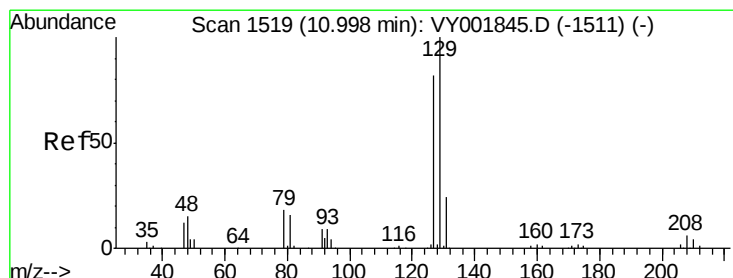
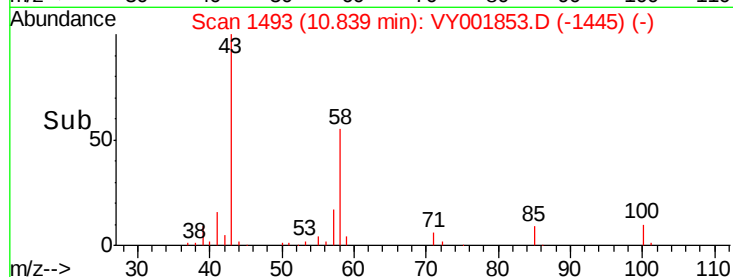
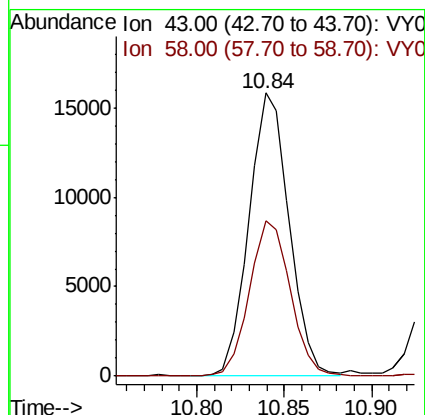
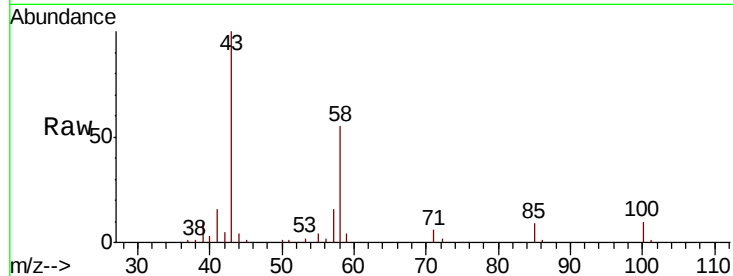




#59
2-Hexanone
Concen: 20.214 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

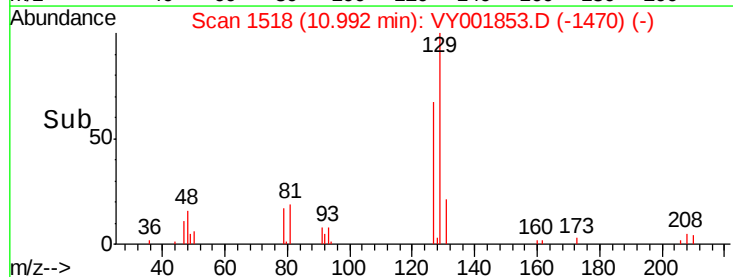
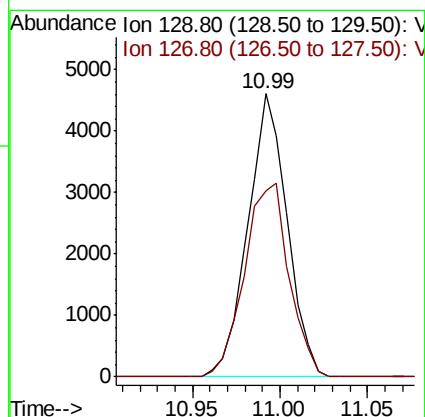
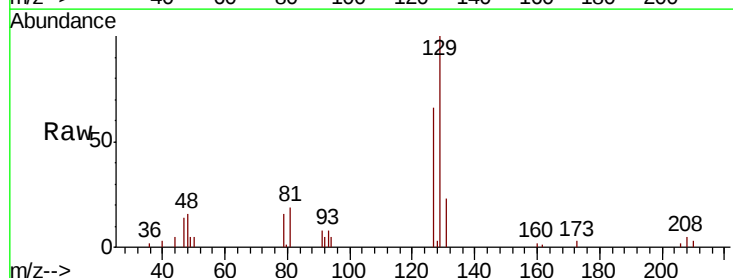
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

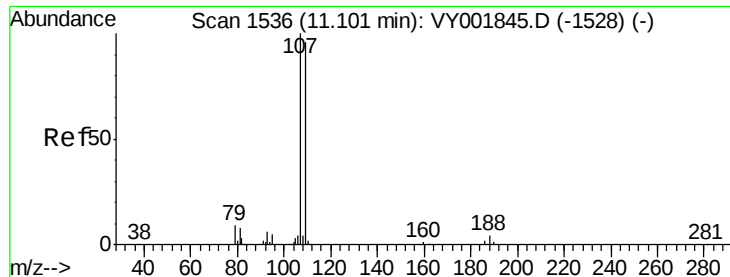
Tot Ion: 43 Resp: 25264
Ion Ratio Lower Upper
43 100
58 55.8 28.1 84.3



#60
Dibromochloromethane
Concen: 3.929 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion: 129 Resp: 7187
Ion Ratio Lower Upper
129 100
127 77.8 39.0 117.0

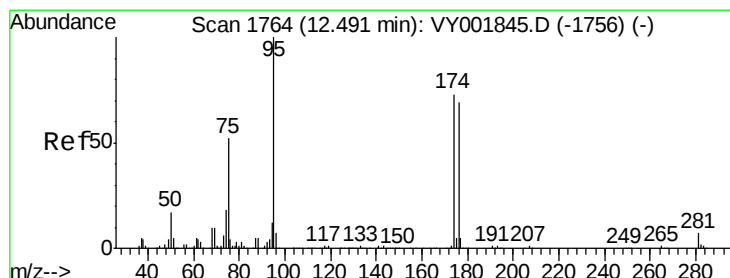
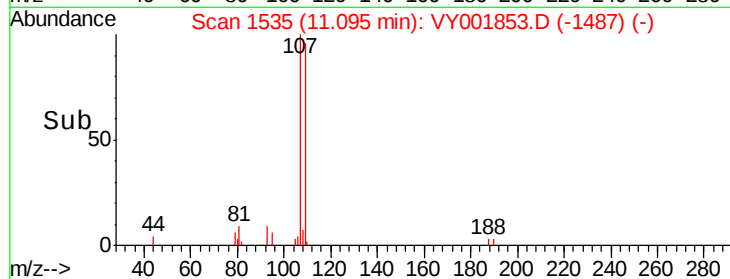
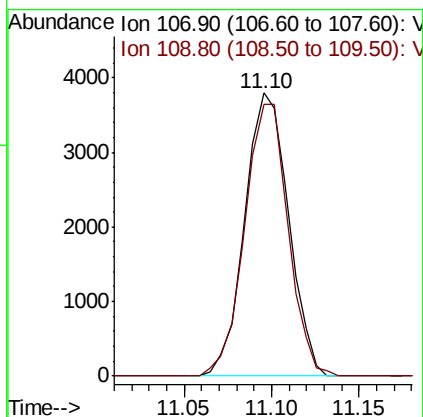
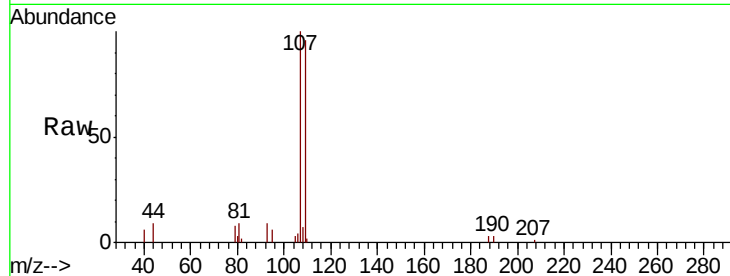




#61
 1,2-Dibromoethane
 Concen: 4.025 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001853.D
 Acq: 04 Mar 2020 15:06

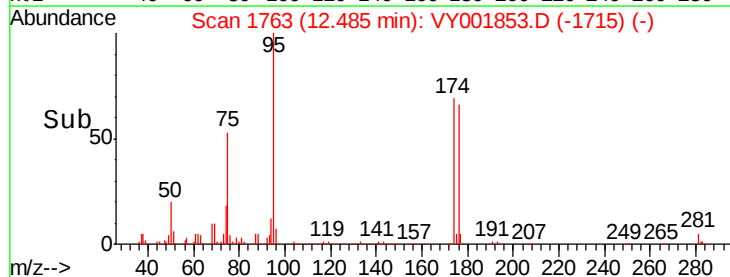
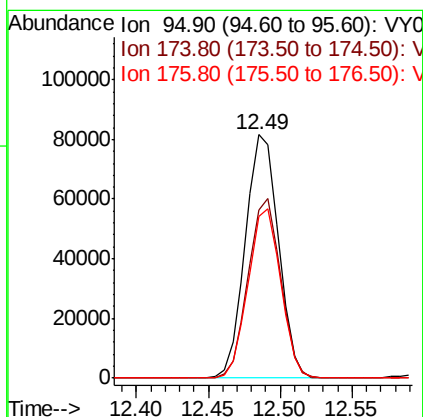
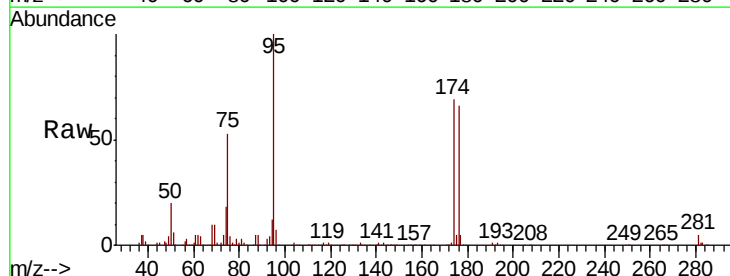
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

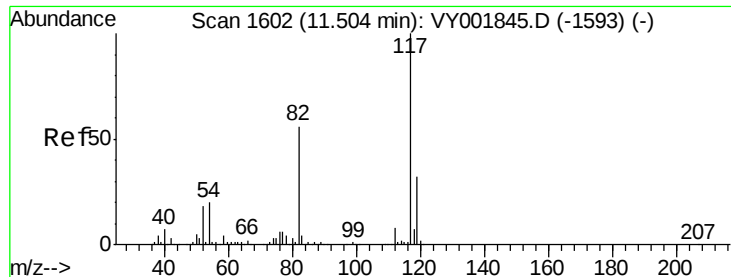
Tot Ion: 107 Resp: 6620
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.4 113.0



#62
 4-Bromofluorobenzene
 Concen: 50.422 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001853.D
 Acq: 04 Mar 2020 15:06

Tgt Ion: 95 Resp: 129609
 Ion Ratio Lower Upper
 95 100
 174 72.2 0.0 145.0
 176 68.4 0.0 137.4

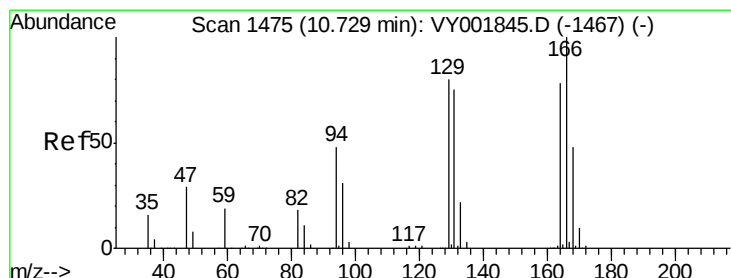
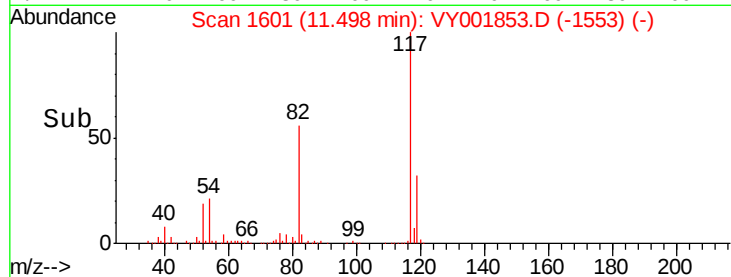
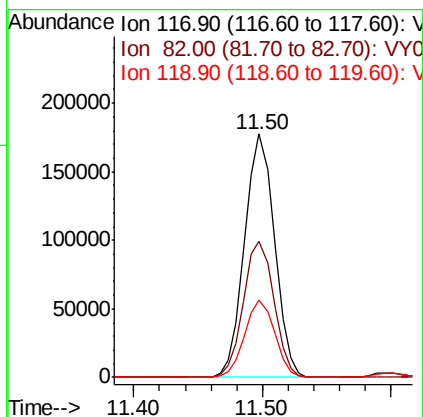
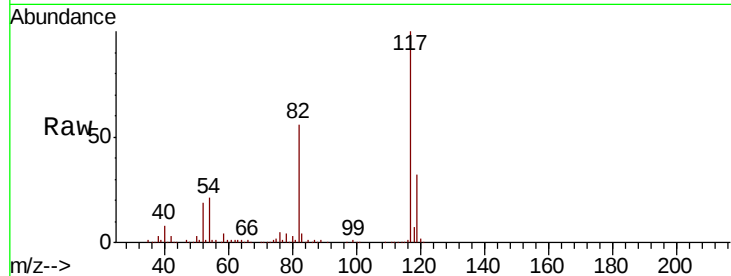




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

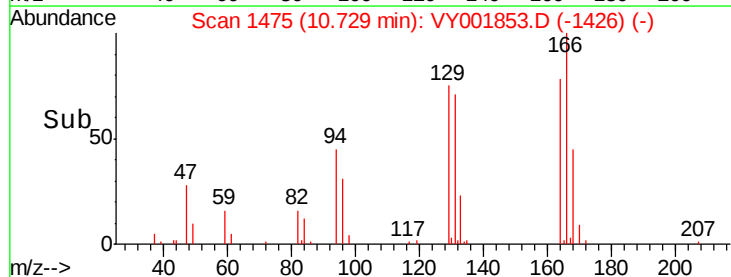
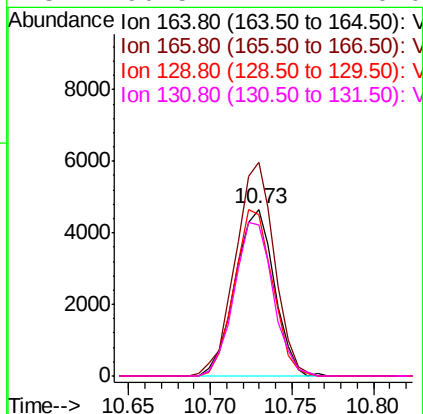
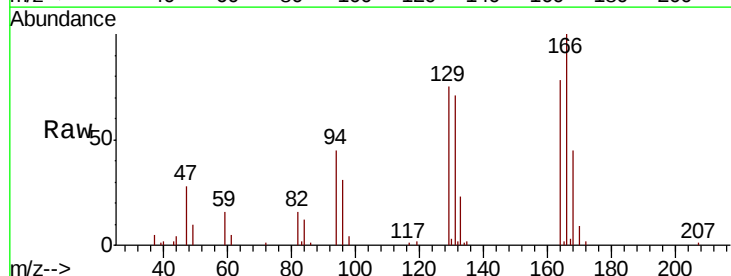
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

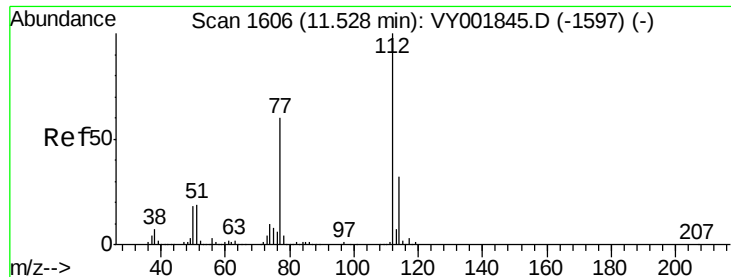
Tot Ion:117 Resp: 285219
Ion Ratio Lower Upper
117 100
82 56.1 44.5 66.7
119 31.8 25.7 38.5



#64
Tetrachloroethene
Concen: 4.369 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion:164 Resp: 7814
Ion Ratio Lower Upper
164 100
166 128.3 102.6 154.0
129 96.6 82.3 123.5
131 90.5 77.4 116.0

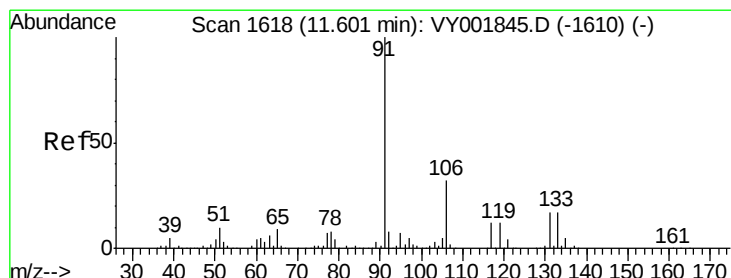
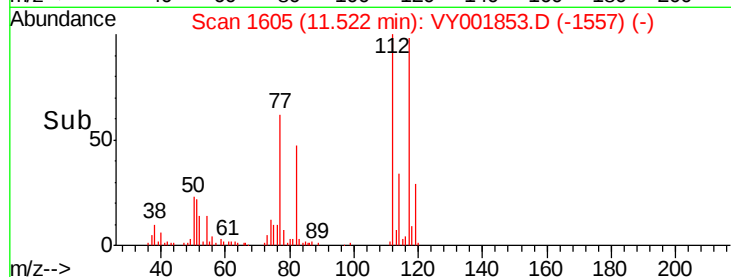
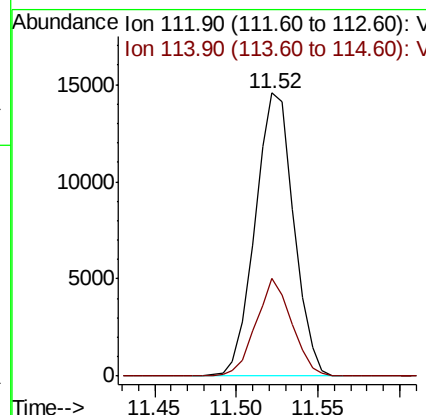
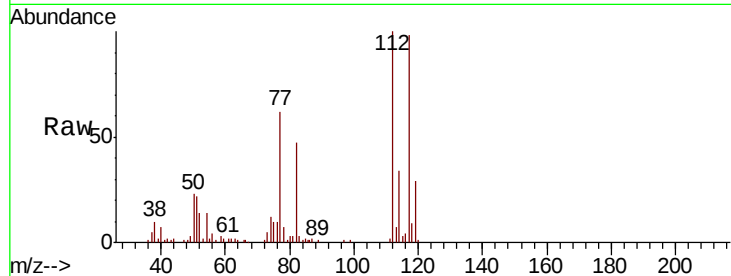




#65
Chlorobenzene
Concen: 4.215 ug/l
RT: 11.52 min Scan# 1605
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

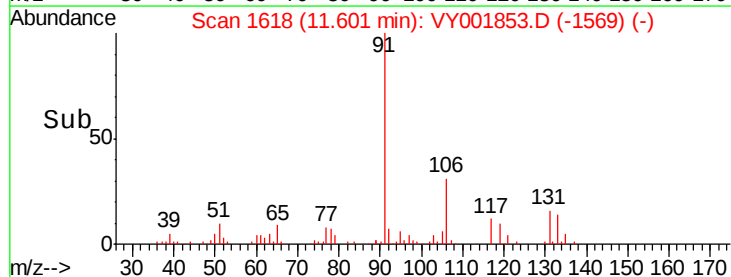
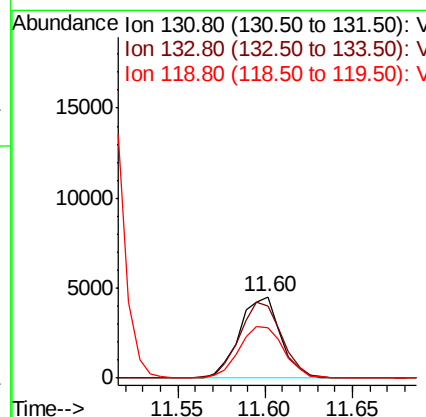
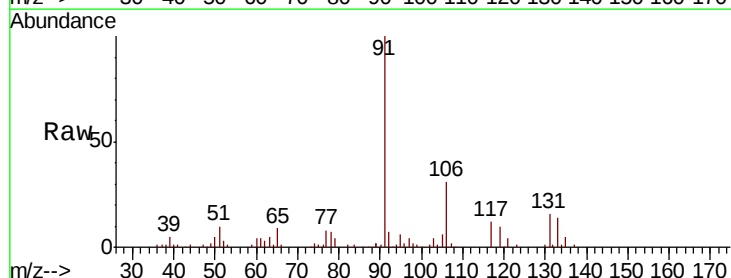
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

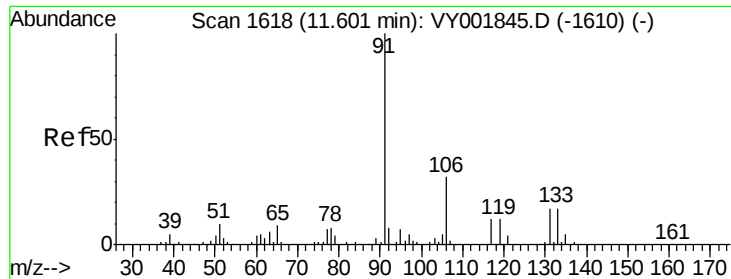
Tot Ion:112 Resp: 23956
Ion Ratio Lower Upper
112 100
114 34.4 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 3.977 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion:131 Resp: 7412
Ion Ratio Lower Upper
131 100
133 95.9 47.1 141.3
119 67.7 34.5 103.6

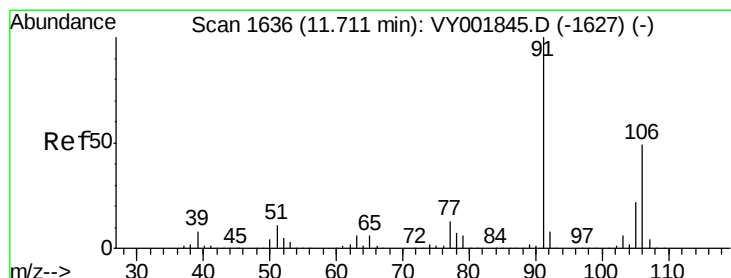
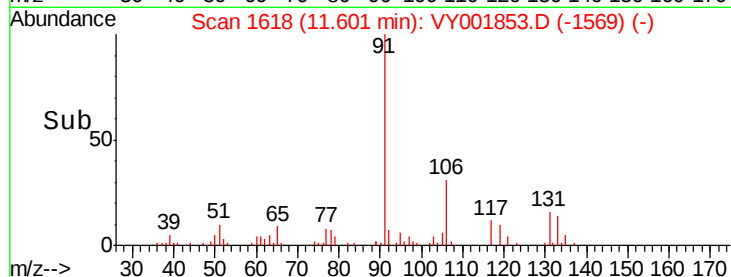
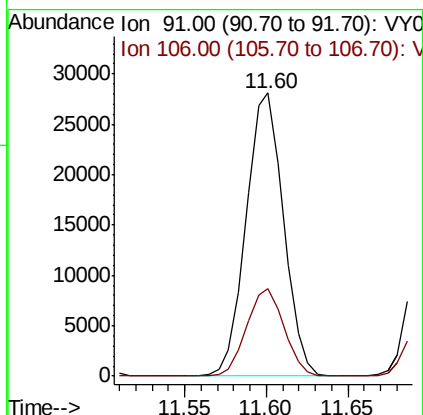
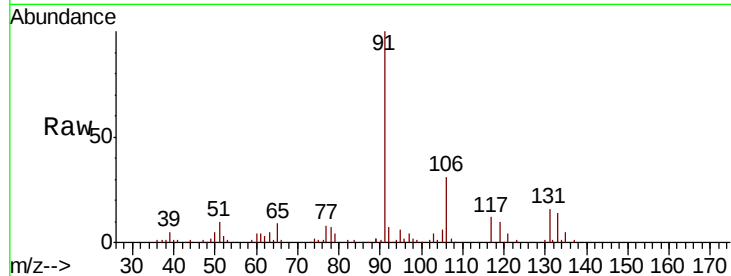




#67
Ethyl Benzene
Concen: 4.245 ug/l
RT: 11.60 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

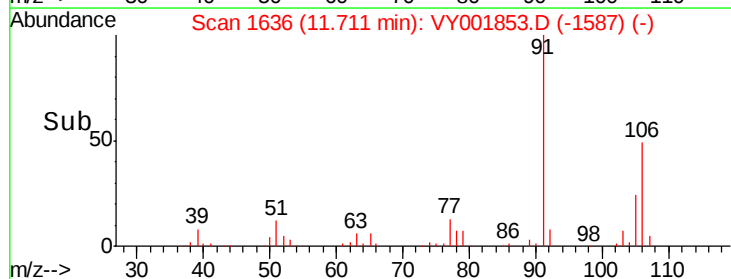
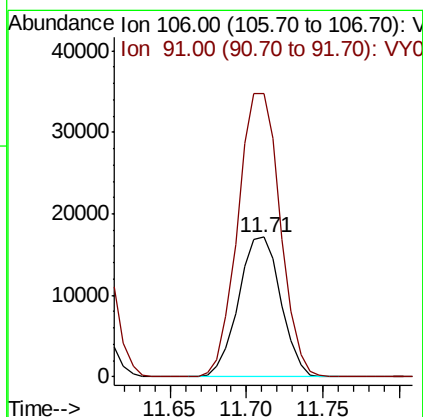
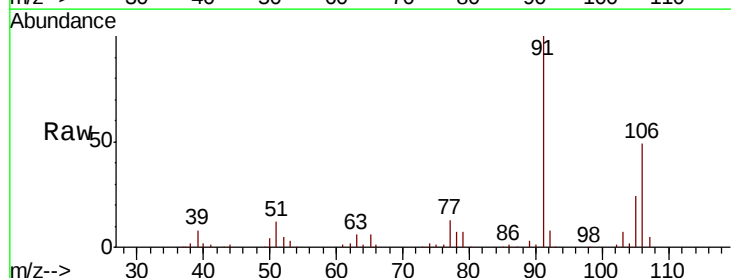
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

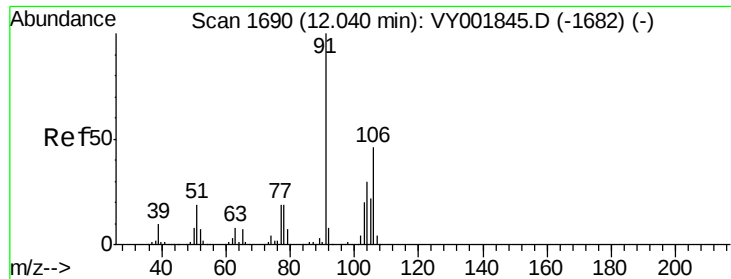
Tot Ion: 91 Resp: 44992
Ion Ratio Lower Upper
91 100
106 30.8 25.4 38.2



#68
m/p-Xylenes
Concen: 8.390 ug/l
RT: 11.71 min Scan# 1636
Delta R.T. 0.00 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion: 106 Resp: 32878
Ion Ratio Lower Upper
106 100
91 203.0 161.3 241.9

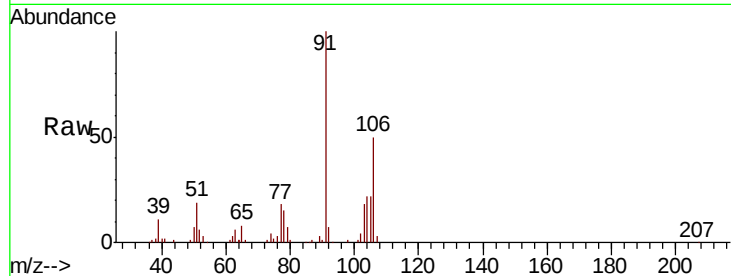




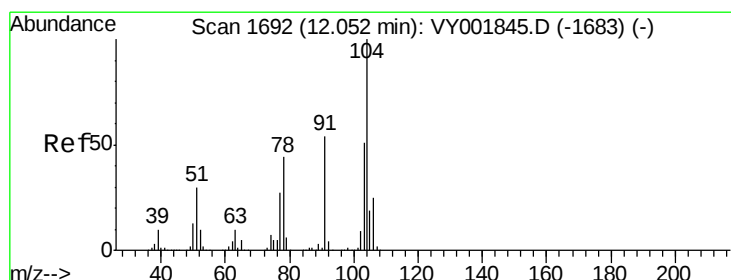
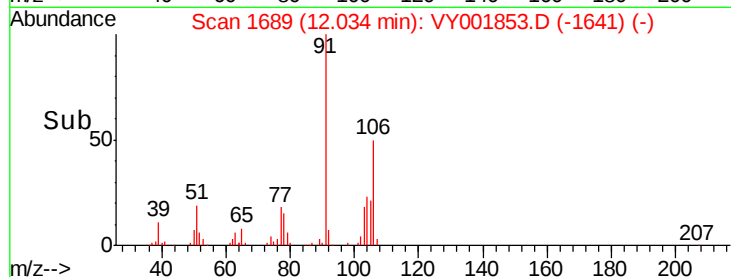
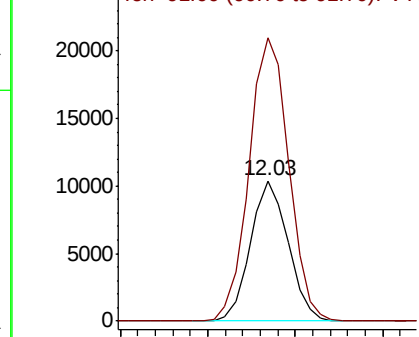
#69
o-Xylene
Concen: 4.190 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:106 Resp: 15475
Ion Ratio Lower Upper
106 100
91 213.2 106.8 320.4

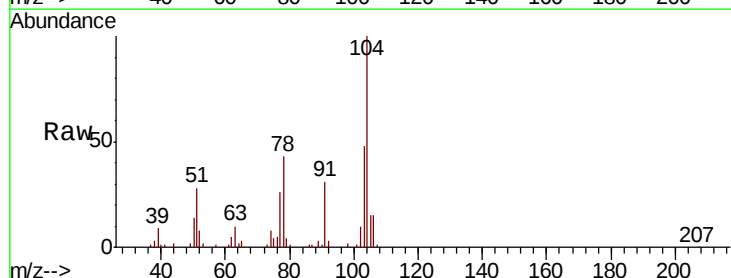


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

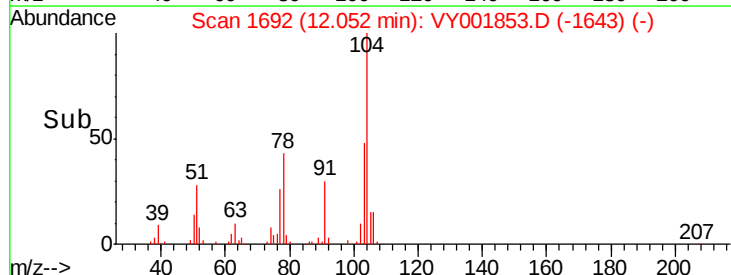
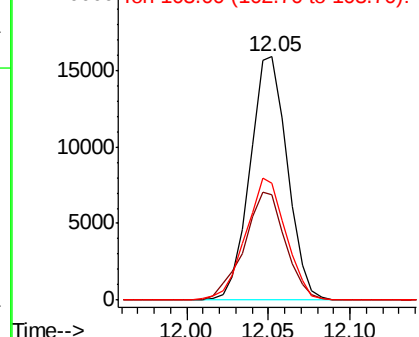


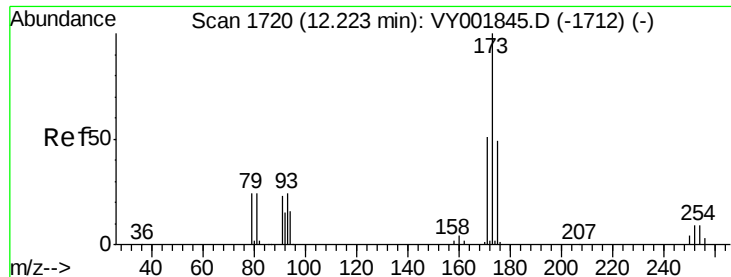
#70
Styrene
Concen: 4.014 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion:104 Resp: 25393
Ion Ratio Lower Upper
104 100
78 48.9 38.5 57.7
103 54.1 42.9 64.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VY0
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 3.857 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

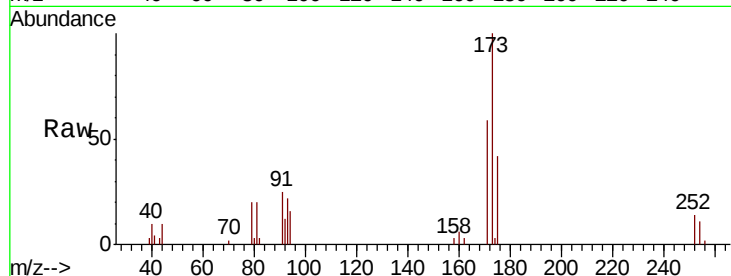
Tot Ion:173 Resp: 3898

Ion Ratio Lower Upper

173 100

175 50.4 24.3 72.8

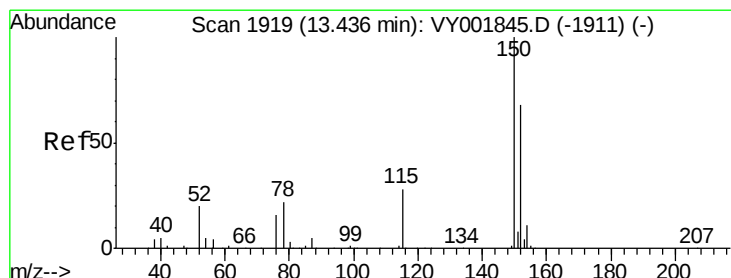
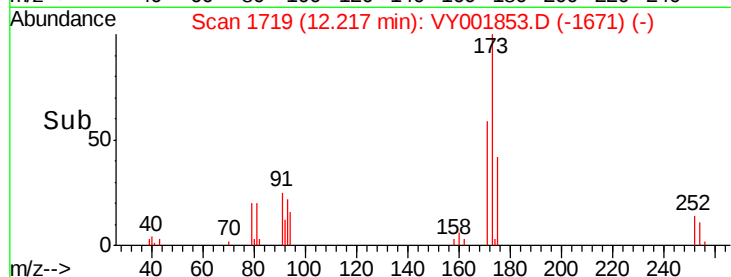
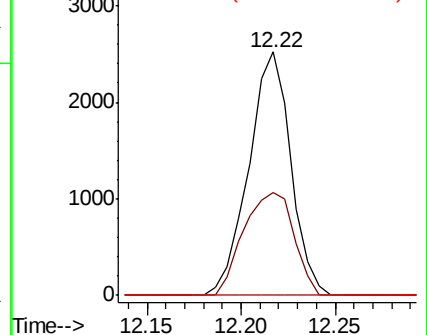
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.43 min Scan# 1918

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

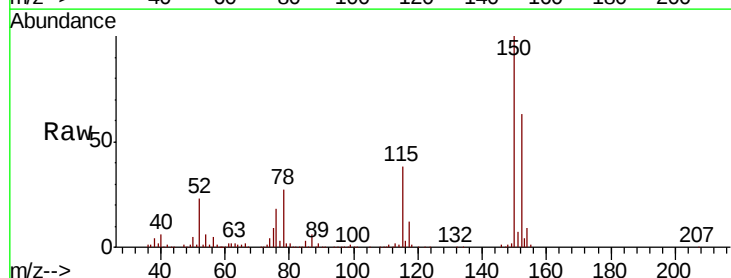
Tgt Ion:152 Resp: 130994

Ion Ratio Lower Upper

152 100

115 61.0 29.9 89.7

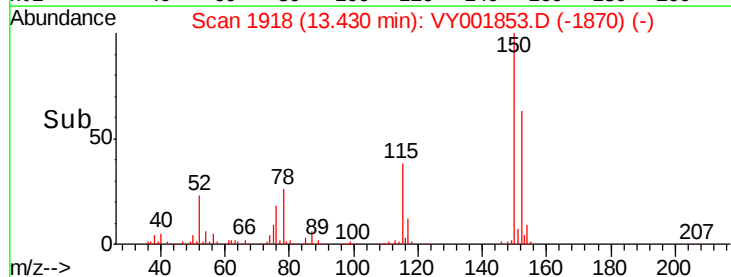
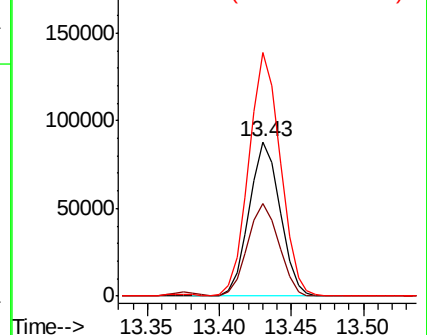
150 160.1 0.0 340.6

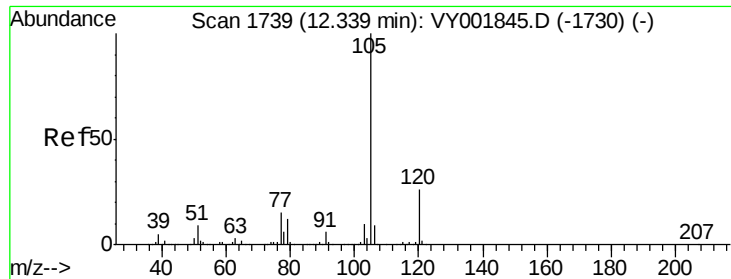


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.152 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

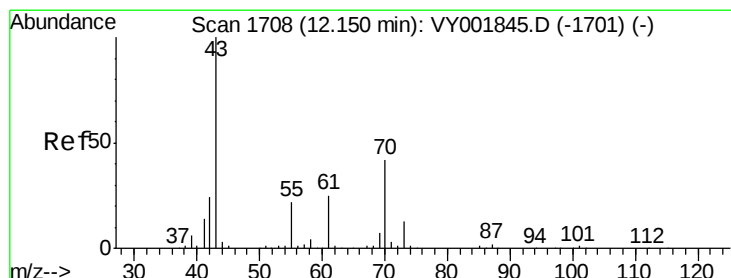
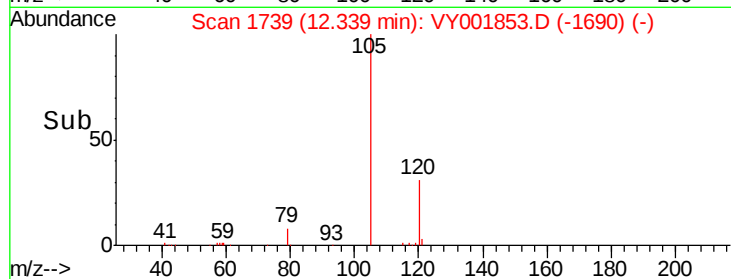
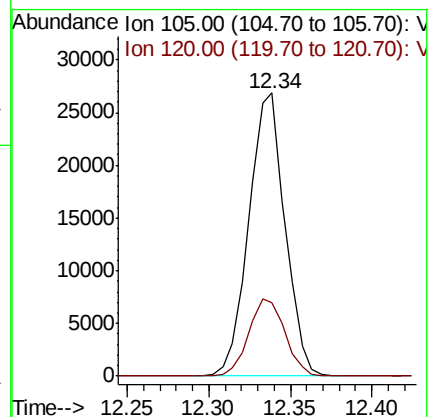
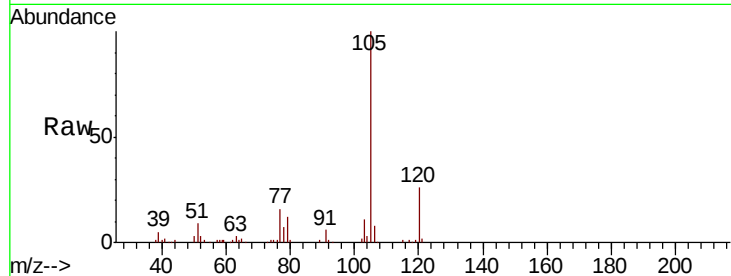
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:105 Resp: 41514

Ion Ratio Lower Upper

105 100

120 27.5 13.1 39.3



#74

N-ethyl acetate

Concen: 4.085 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Tgt Ion: 43 Resp: 12554

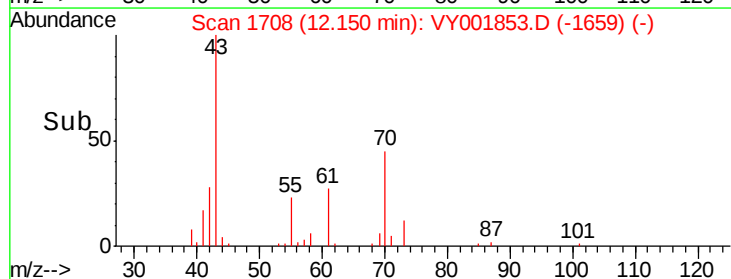
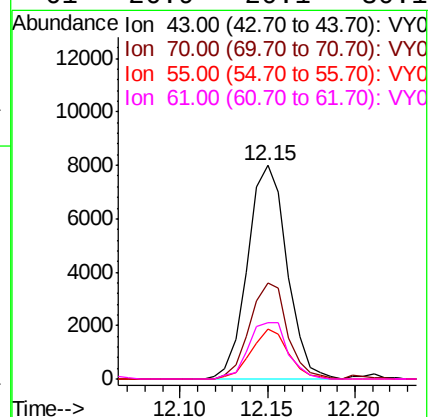
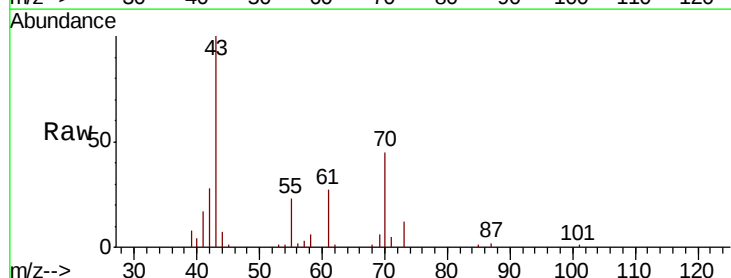
Ion Ratio Lower Upper

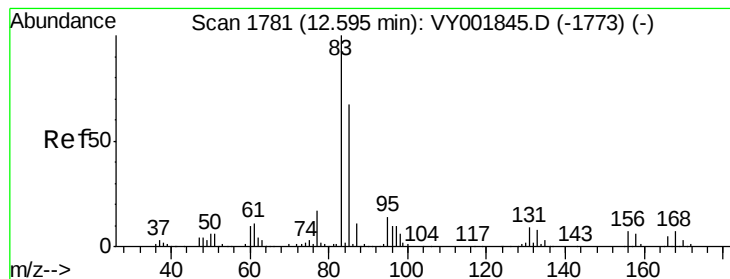
43 100

70 43.1 34.7 52.1

55 22.1 18.2 27.4

61 26.9 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 4.085 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

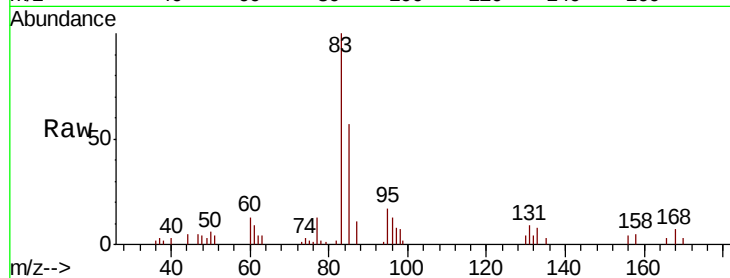
Tot Ion: 83 Resp: 8810

Ion Ratio Lower Upper

83 100

131 8.9 4.6 13.8

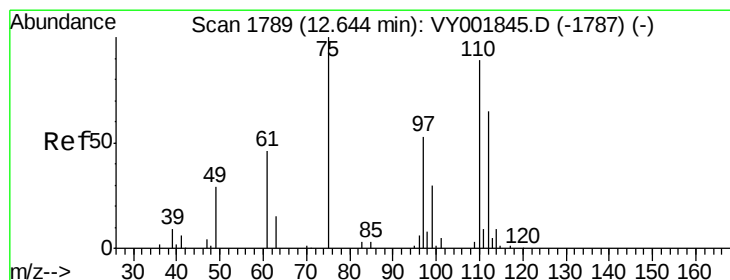
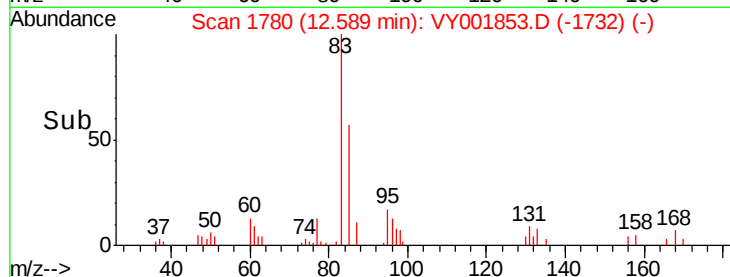
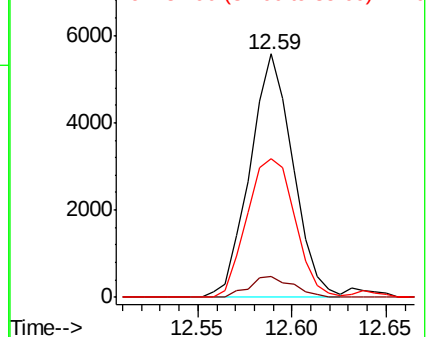
85 63.5 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VY001845.D (-1773) (-)

Ion 130.80 (130.50 to 131.50): VY001845.D (-1773) (-)

Ion 84.90 (84.60 to 85.60): VY001845.D (-1773) (-)



#76

1,2,3-Trichloropropane

Concen: 7.331 ug/l

RT: 12.64 min Scan# 1788

Delta R.T. -0.01 min

Lab File: VY001853.D

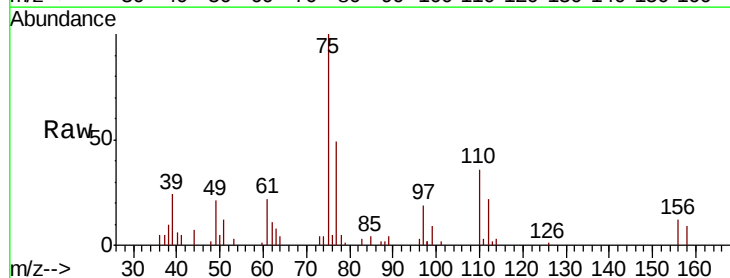
Acq: 04 Mar 2020 15:06

Tgt Ion: 75 Resp: 11395

Ion Ratio Lower Upper

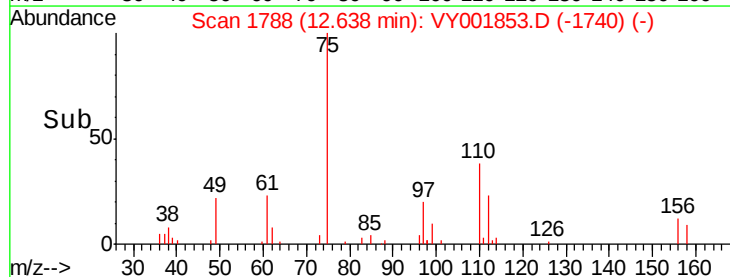
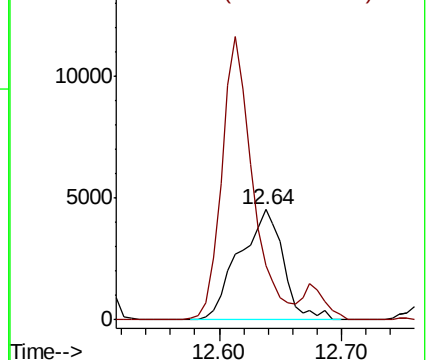
75 100

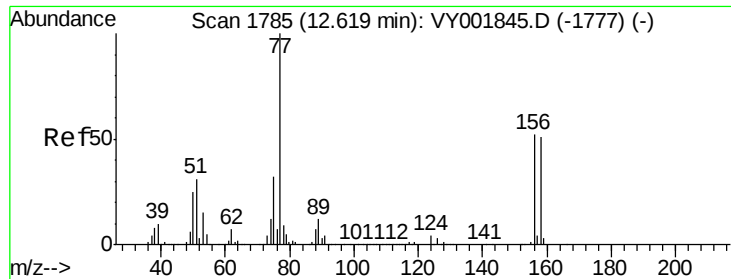
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VY001845.D (-1787) (-)

Ion 77.00 (76.70 to 77.70): VY001845.D (-1787) (-)

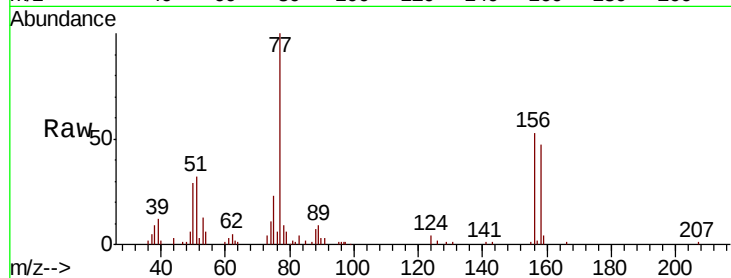




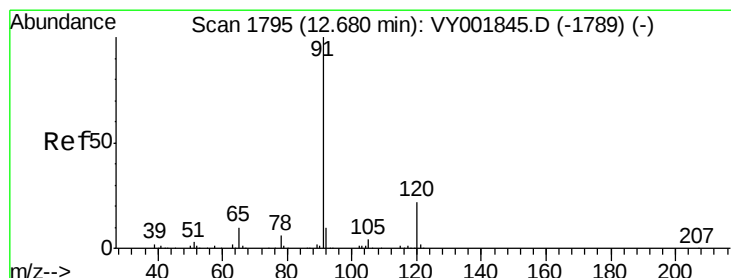
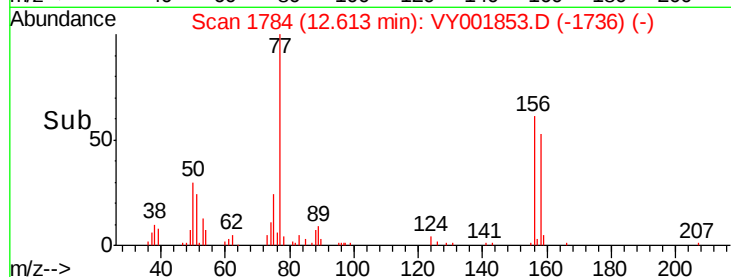
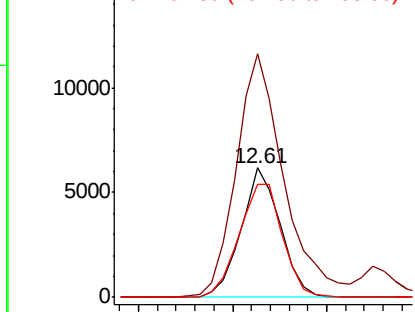
#77
Bromobenzene
Concen: 4.192 ug/l
RT: 12.61 min Scan# 1784
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:156 Resp: 8882
Ion Ratio Lower Upper
156 100
77 230.6 109.0 327.0
158 97.9 48.9 146.8

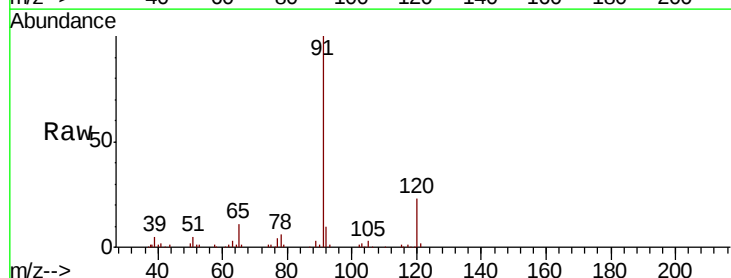


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VY0
Ion 157.80 (157.50 to 158.50): V

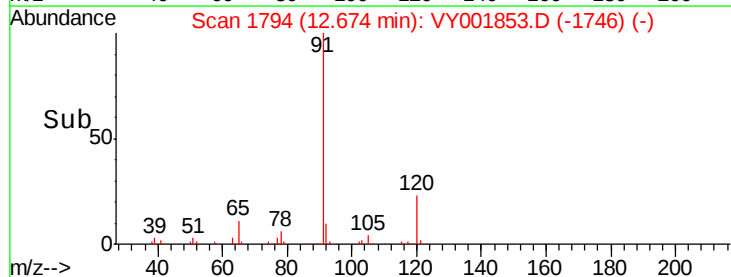
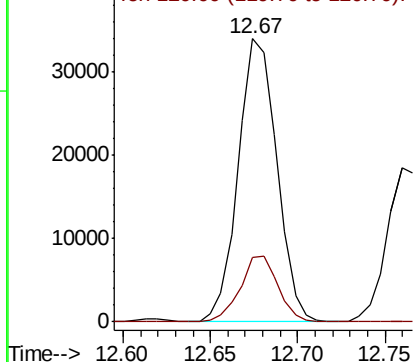


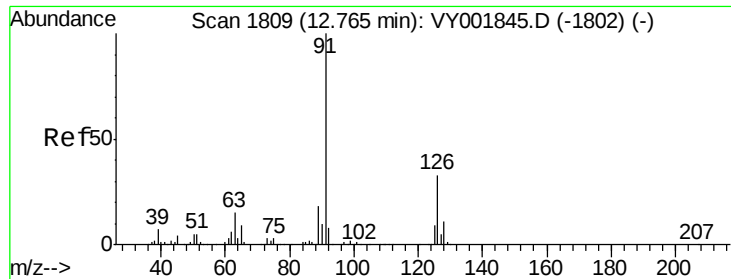
#78
n-propylbenzene
Concen: 4.238 ug/l
RT: 12.67 min Scan# 1794
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion: 91 Resp: 52280
Ion Ratio Lower Upper
91 100
120 22.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.238 ug/l

RT: 12.76 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

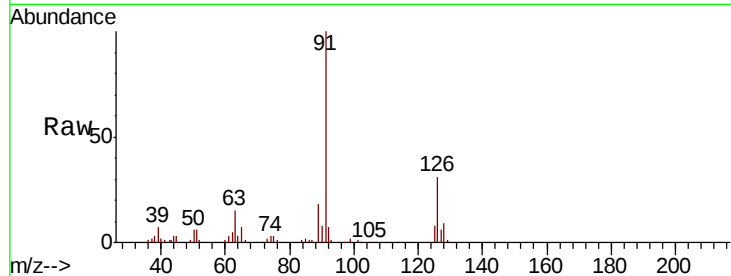
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 91 Resp: 28888

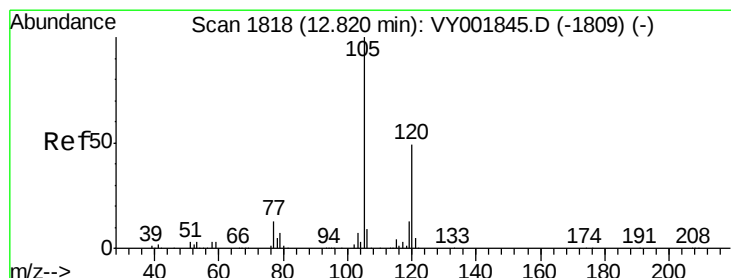
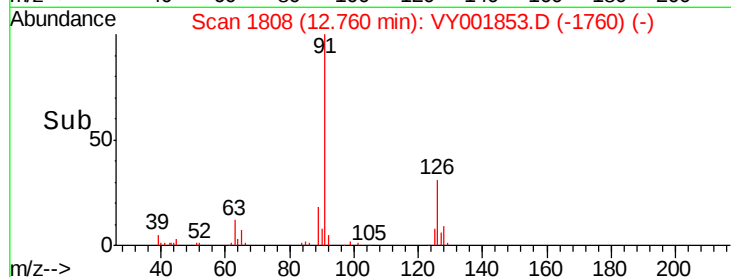
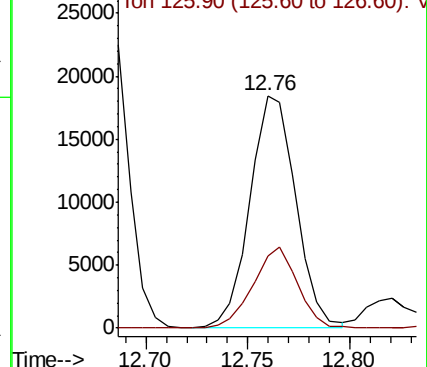
Ion Ratio Lower Upper

91 100

126 33.7 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VY001845.D (-1802) (-)



#80

1,3,5-Trimethylbenzene

Concen: 4.238 ug/l

RT: 12.82 min Scan# 1818

Delta R.T. 0.00 min

Lab File: VY001853.D

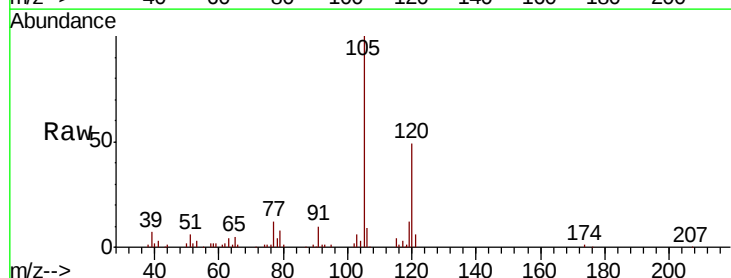
Acq: 04 Mar 2020 15:06

Tgt Ion: 105 Resp: 34892

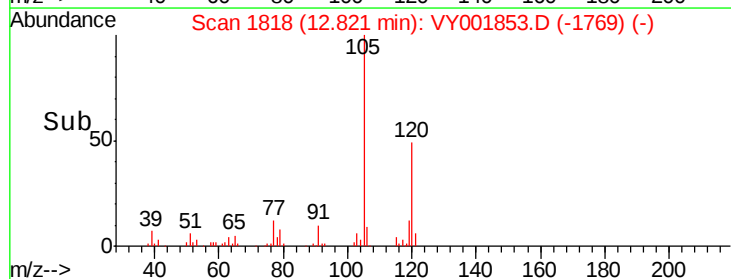
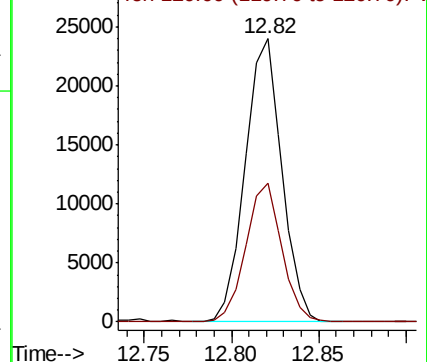
Ion Ratio Lower Upper

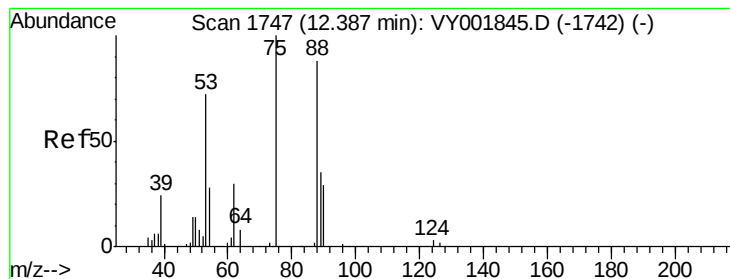
105 100

120 48.1 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): VY001845.D (-1809) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 3.692 ug/l

RT: 12.38 min Scan# 1746

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

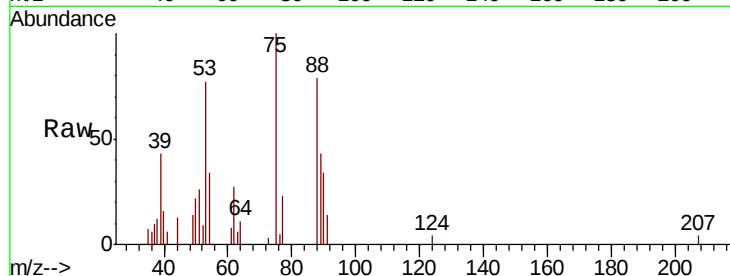
Tot Ion: 75 Resp: 2841

Ion Ratio Lower Upper

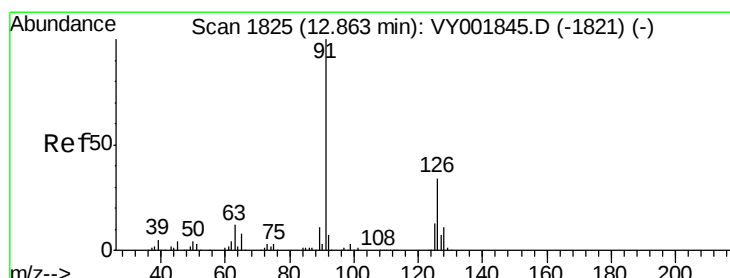
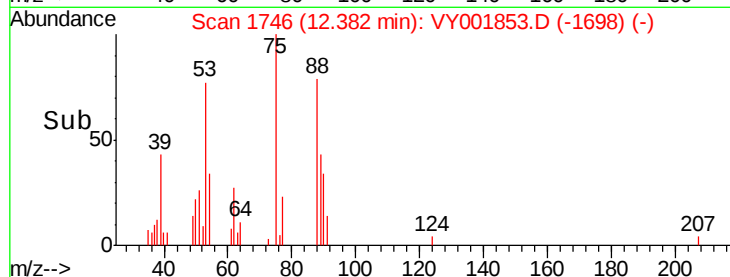
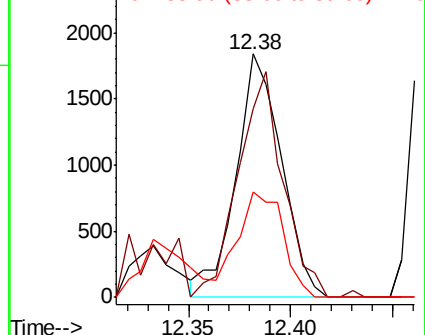
75 100

53 91.9 65.4 98.0

89 43.0 36.0 54.0



Abundance Ion 74.90 (74.60 to 75.60): VY0
Ion 53.00 (52.70 to 53.70): VY0
Ion 88.90 (88.60 to 89.60): VY0



#82

4-Chlorotoluene

Concen: 4.277 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY001853.D

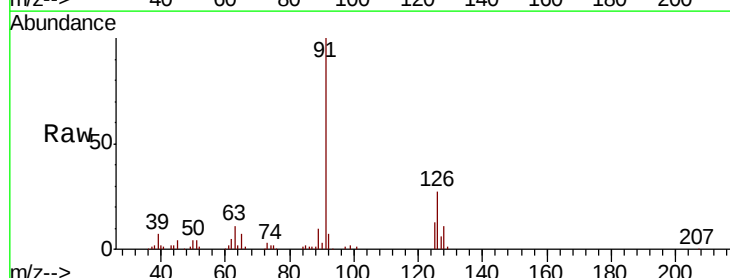
Acq: 04 Mar 2020 15:06

Tgt Ion: 91 Resp: 30349

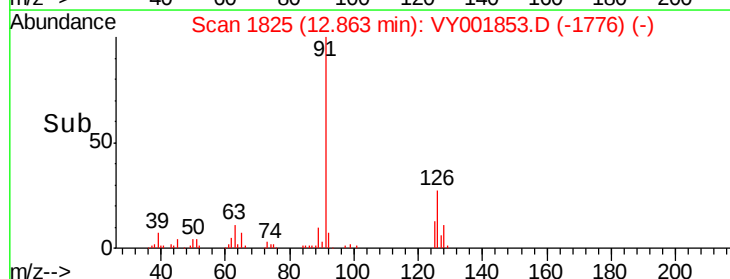
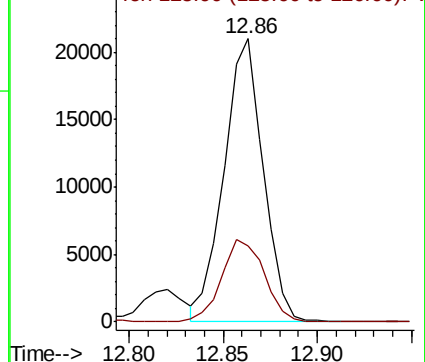
Ion Ratio Lower Upper

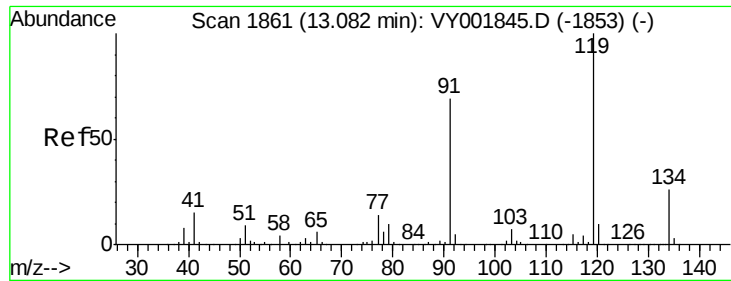
91 100

126 31.5 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VY0
Ion 125.90 (125.60 to 126.60): V

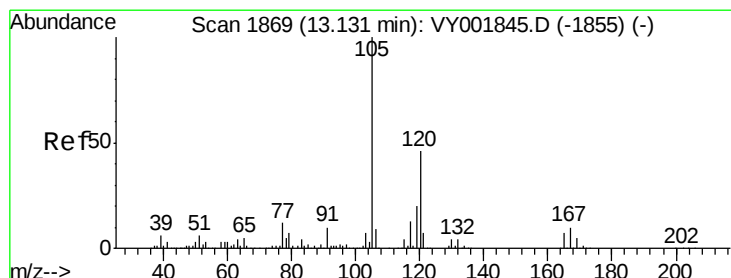
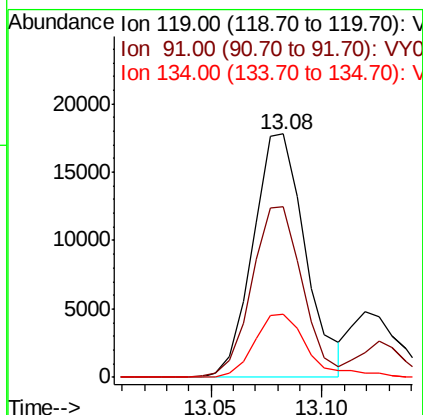
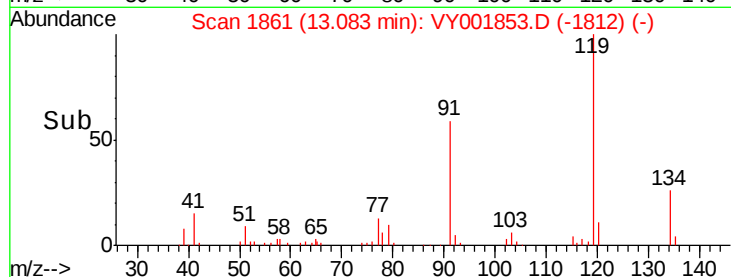
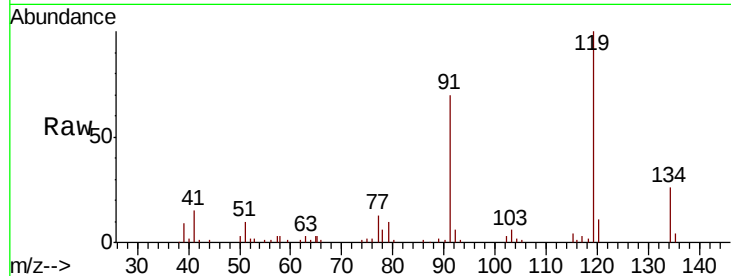




#83
tert-Butylbenzene
Concen: 4.262 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

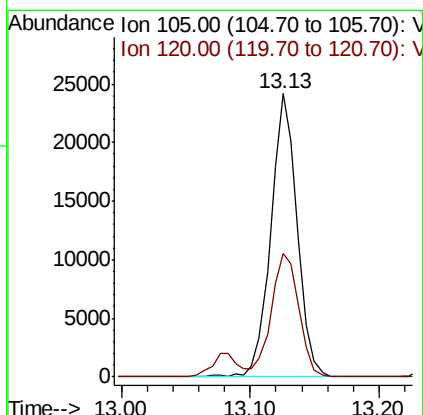
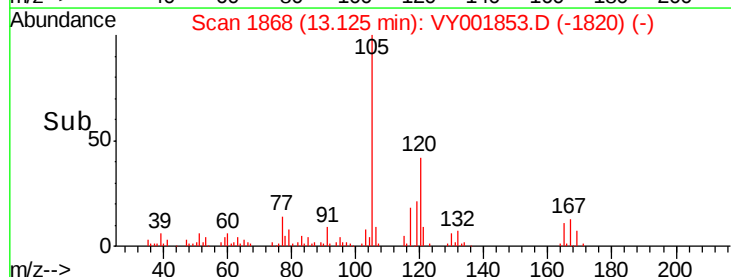
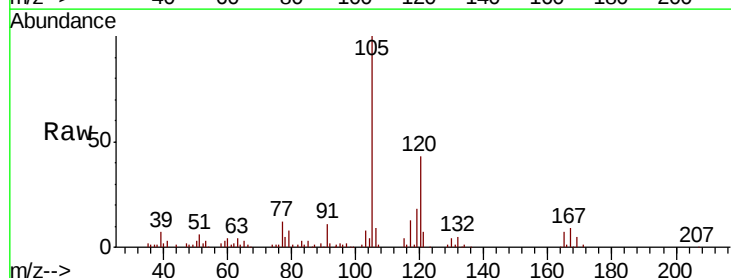
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

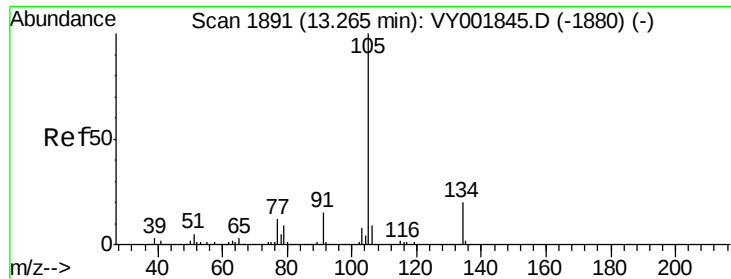
Tot Ion:119 Resp: 29141
Ion Ratio Lower Upper
119 100
91 67.8 34.0 101.8
134 26.7 13.5 40.4



#84
1,2,4-Trimethylbenzene
Concen: 4.203 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion:105 Resp: 34339
Ion Ratio Lower Upper
105 100
120 45.6 22.6 67.7





#85

sec-Butylbenzene

Concen: 4.282 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

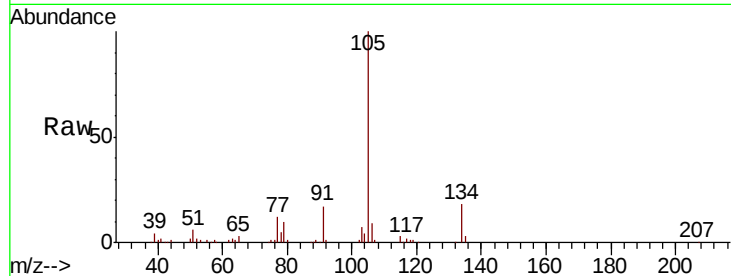
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:105 Resp: 43160

Ion Ratio Lower Upper

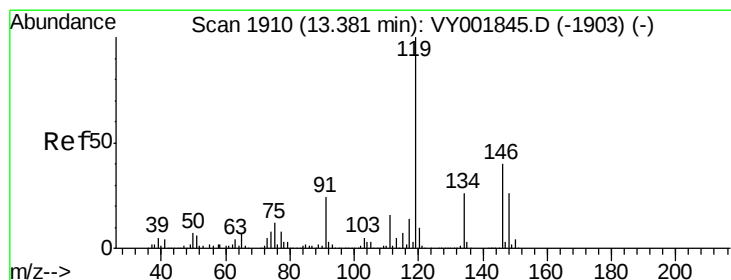
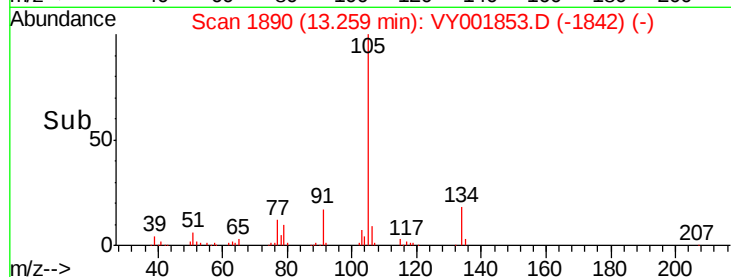
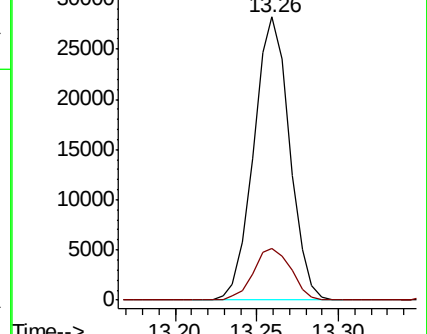
105 100

134 19.2 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.247 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. -0.01 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

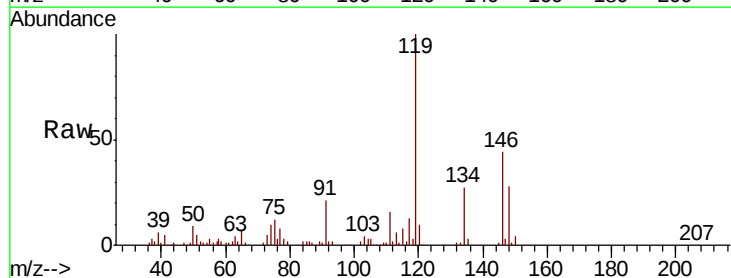
Tgt Ion:119 Resp: 36922

Ion Ratio Lower Upper

119 100

134 27.5 13.1 39.3

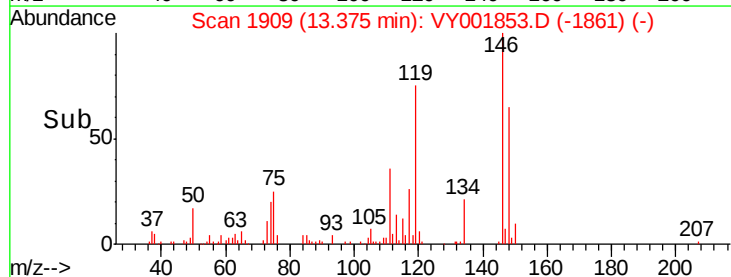
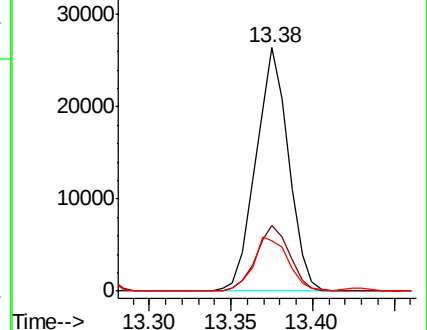
91 23.6 11.9 35.7

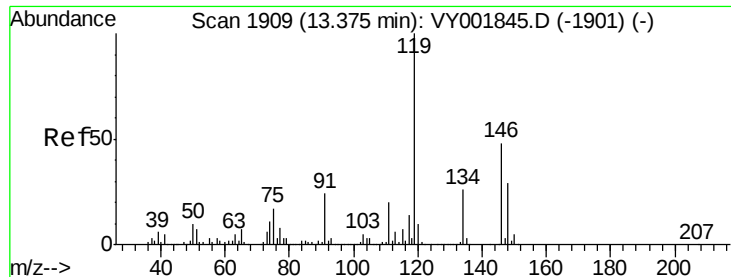


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

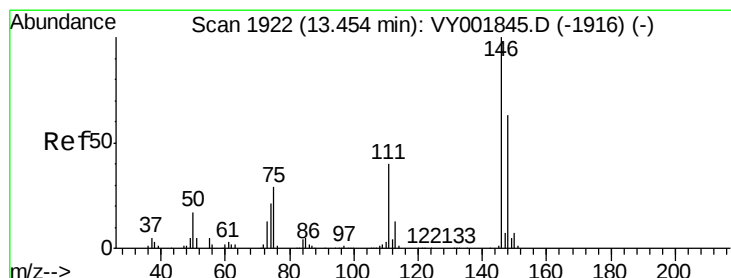
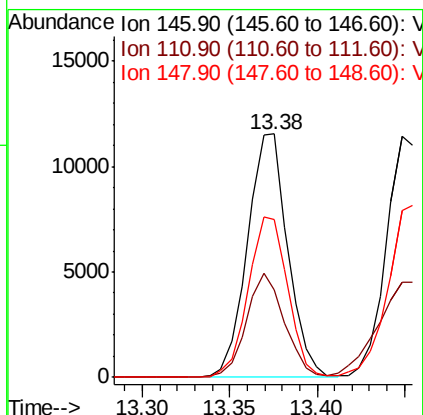
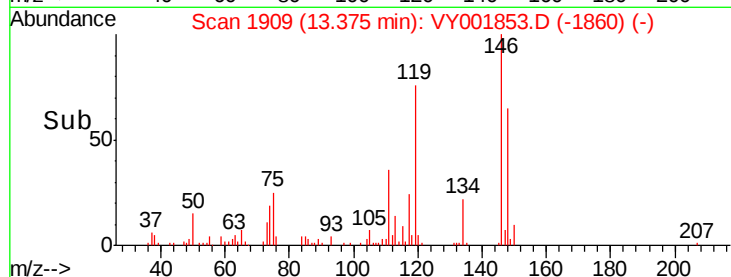
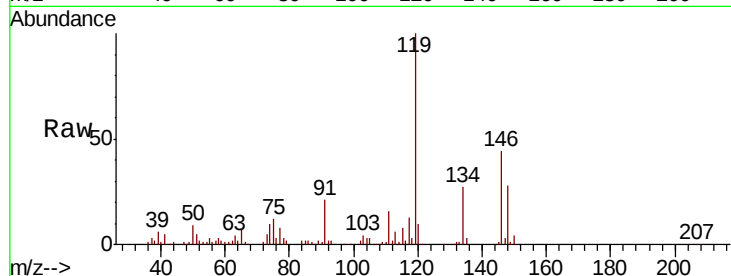




#87
 1,3-Dichlorobenzene
 Concen: 4.464 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001853.D
 Acq: 04 Mar 2020 15:06

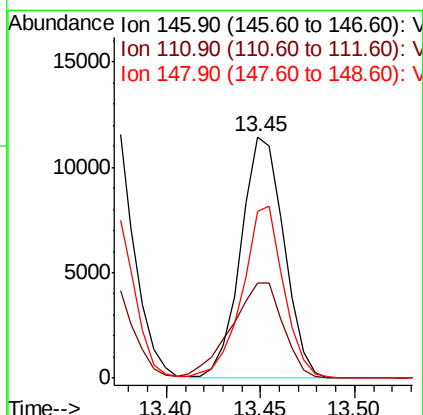
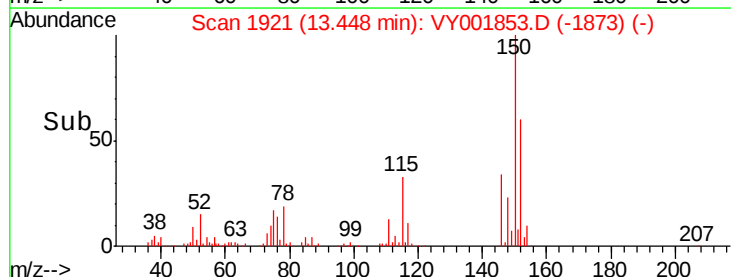
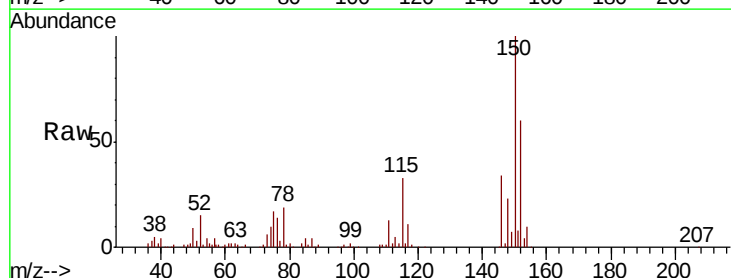
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

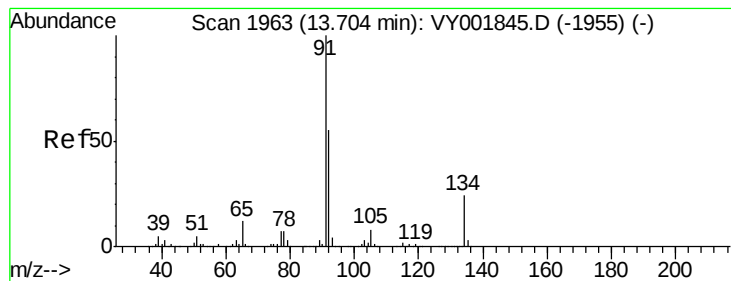
Tot Ion:146 Resp: 18535
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.8 62.5
 148 64.2 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 4.311 ug/l
 RT: 13.45 min Scan# 1921
 Delta R.T. -0.01 min
 Lab File: VY001853.D
 Acq: 04 Mar 2020 15:06

Tgt Ion:146 Resp: 18155
 Ion Ratio Lower Upper
 146 100
 111 47.6 20.0 60.0
 148 68.7 31.5 94.5





#89

n-Butylbenzene

Concen: 4.265 ug/l

RT: 13.70 min Scan# 1963

Delta R.T. 0.00 min

Lab File: VY001853.D

Acq: 04 Mar 2020 15:06

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

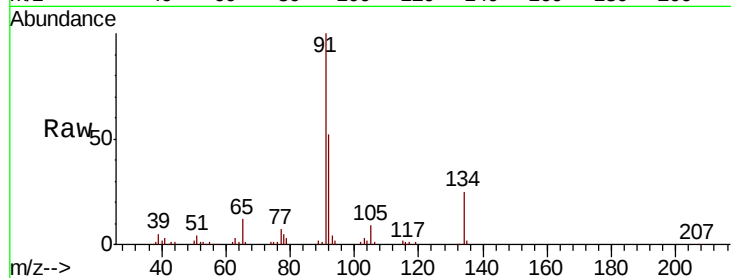
Tot Ion: 91 Resp: 38471

Ion Ratio Lower Upper

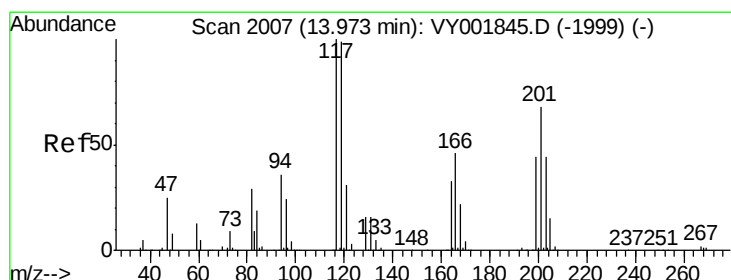
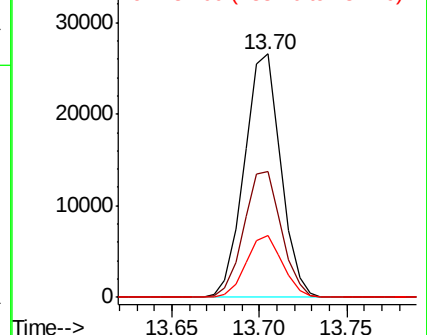
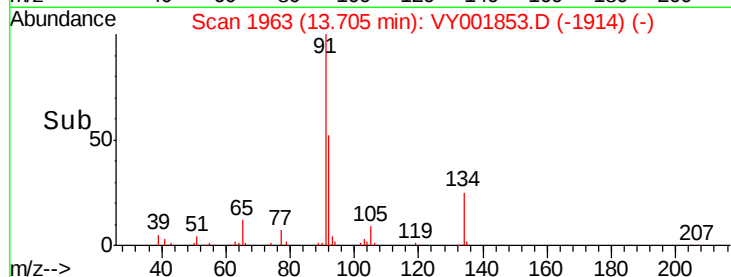
91 100

92 53.1 27.5 82.4

134 25.3 12.5 37.5



Abundance Ion 91.00 (90.70 to 91.70): VY001853.D (-1914) (-)



#90

Hexachloroethane

Concen: 3.926 ug/l

RT: 13.97 min Scan# 2006

Delta R.T. -0.01 min

Lab File: VY001853.D

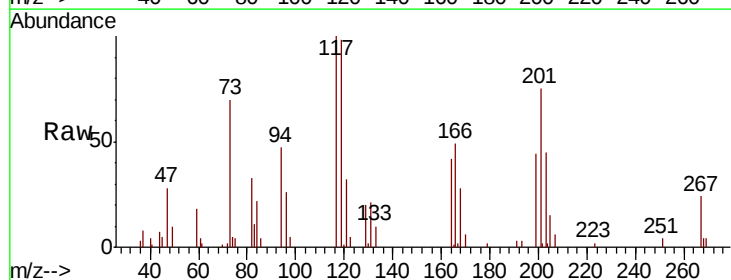
Acq: 04 Mar 2020 15:06

Tgt Ion: 117 Resp: 6439

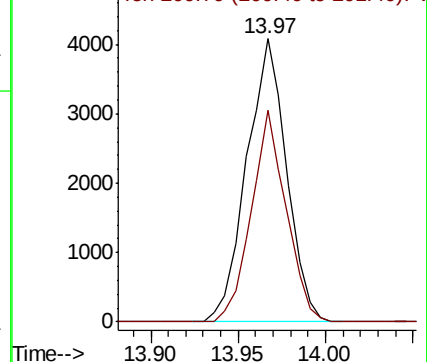
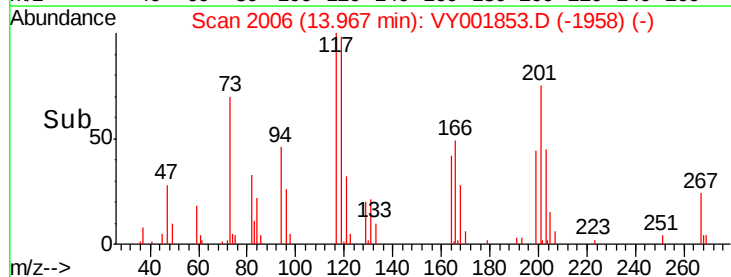
Ion Ratio Lower Upper

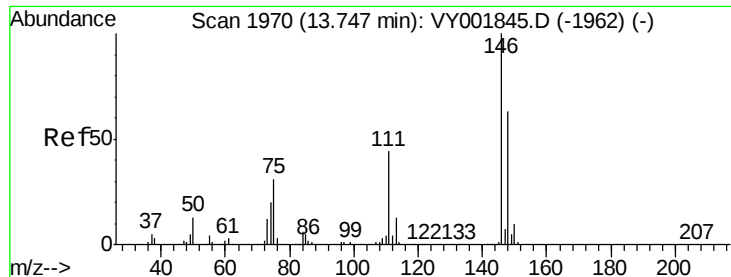
117 100

201 65.4 32.5 97.5



Abundance Ion 116.80 (116.50 to 117.50): VY001853.D (-1958) (-)

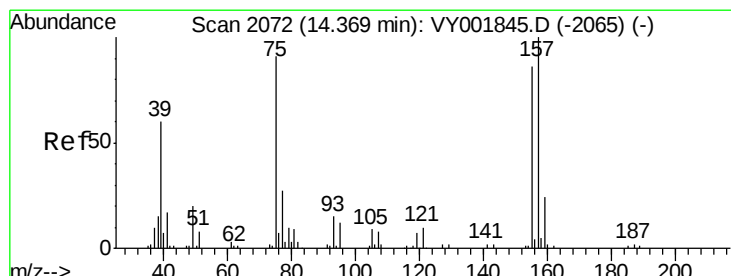
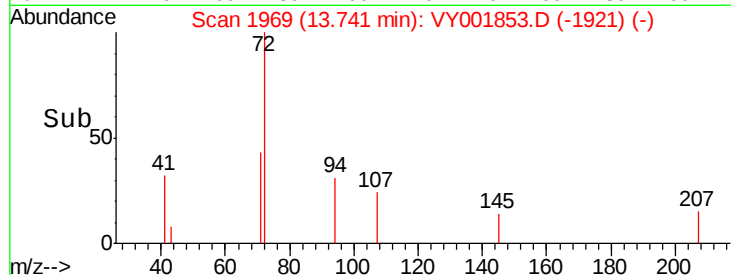
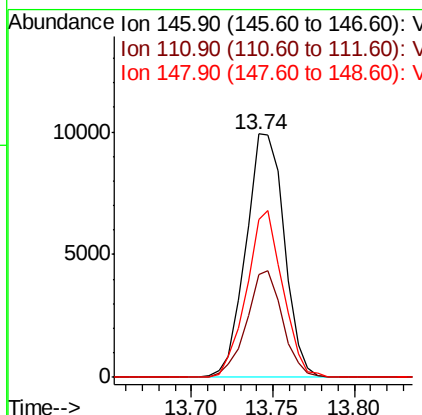
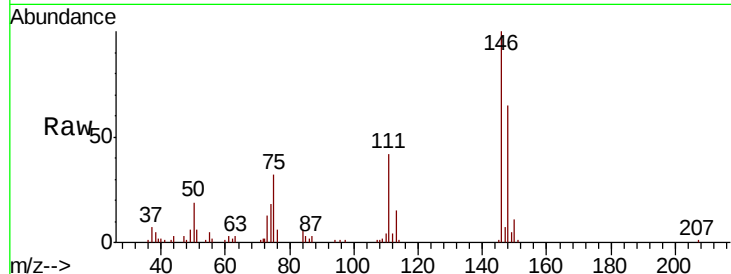




#91
 1,2-Dichlorobenzene
 Concen: 4.310 ug/l
 RT: 13.74 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VY001853.D
 Acq: 04 Mar 2020 15:06

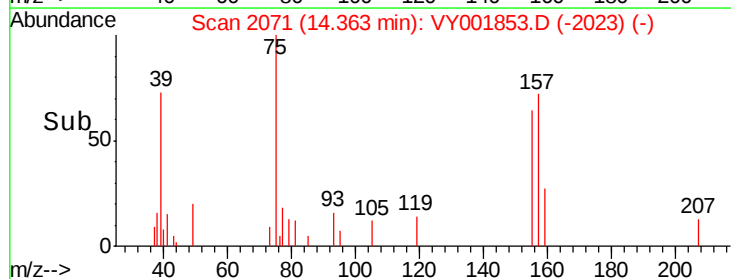
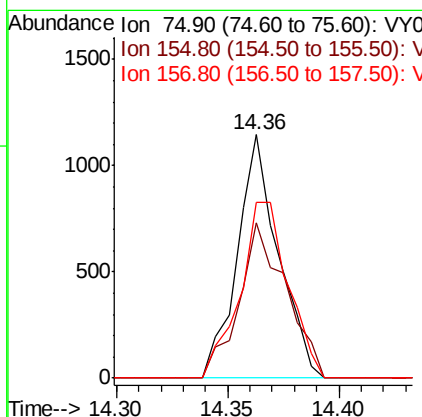
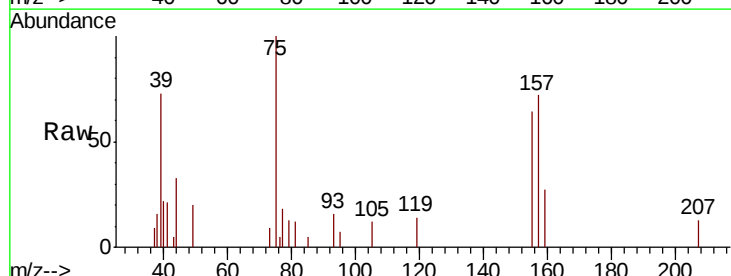
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

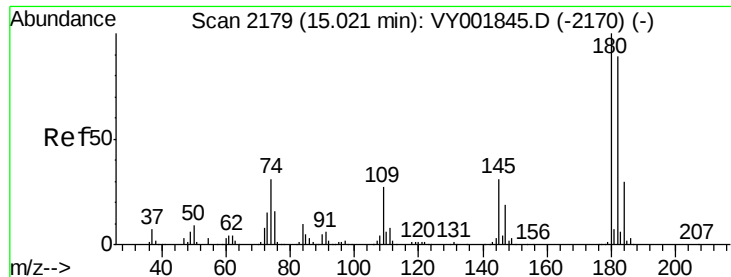
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.5	64.5
148	64.6	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.372 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001853.D
 Acq: 04 Mar 2020 15:06

Tgt Ion	Ratio	Lower	Upper
75	100		
155	72.8	42.9	128.7
157	84.8	53.1	159.4

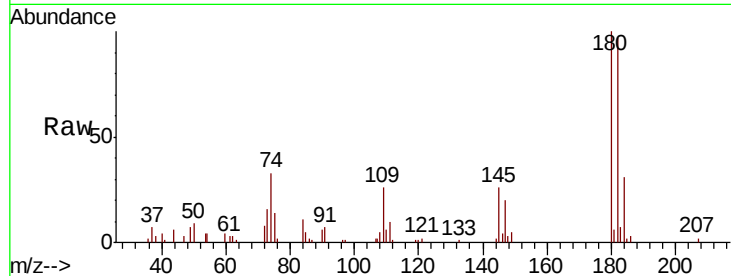




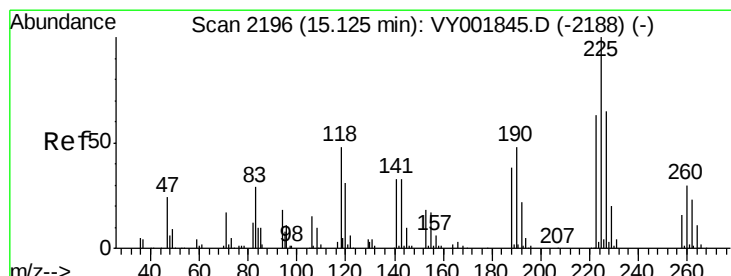
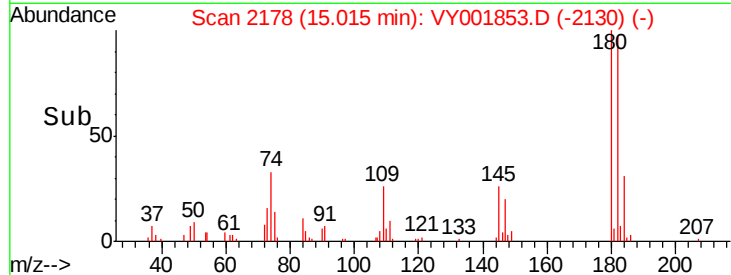
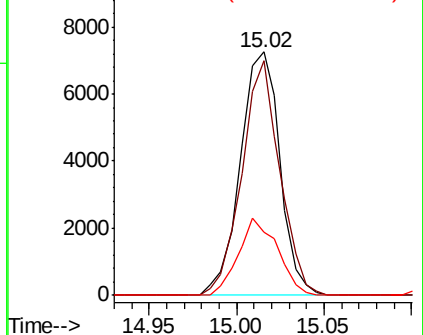
#93
1,2,4-Trichlorobenzene
Concen: 4.670 ug/l
RT: 15.02 min Scan# 2178
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:180 Resp: 11423
Ion Ratio Lower Upper
180 100
182 92.2 46.1 138.3
145 31.4 15.6 46.8

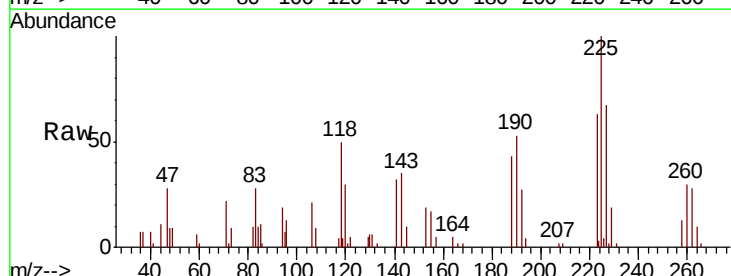


Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V

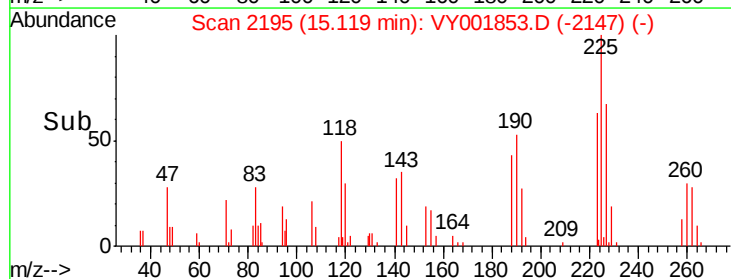
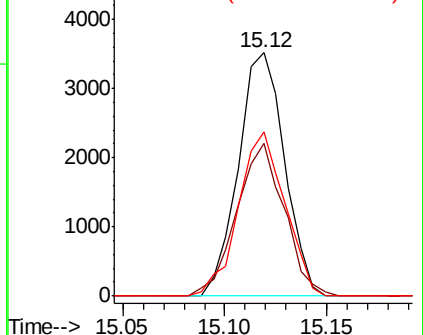


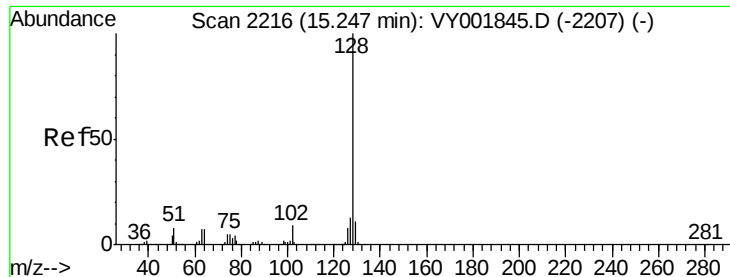
#94
Hexachlorobutadiene
Concen: 4.639 ug/l
RT: 15.12 min Scan# 2195
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion:225 Resp: 5532
Ion Ratio Lower Upper
225 100
223 64.6 31.5 94.5
227 67.8 31.9 95.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

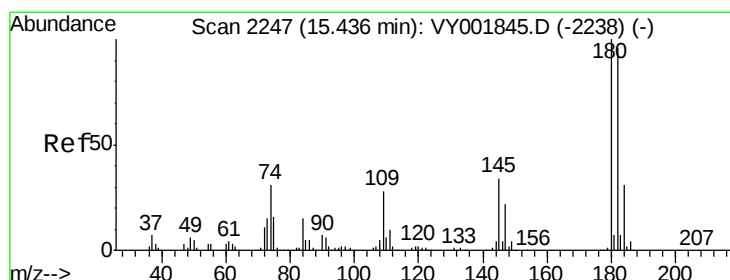
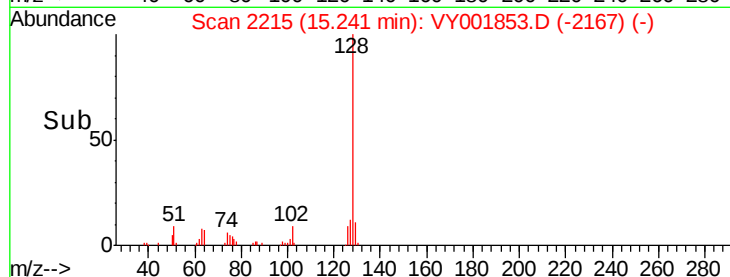
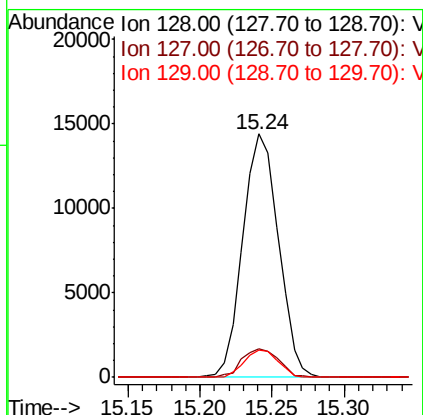
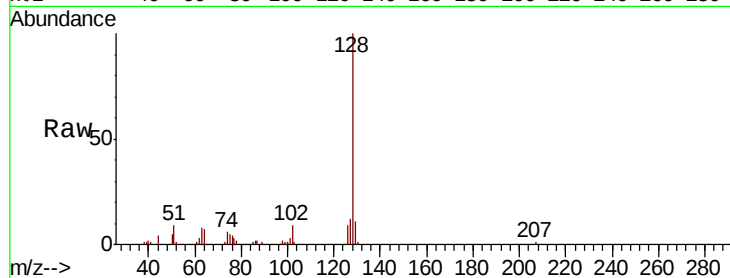




#95
Naphthalene
Concen: 4.264 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:128 Resp: 24737
Ion Ratio Lower Upper
128 100
127 12.1 10.1 15.1
129 10.7 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 4.369 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. -0.01 min
Lab File: VY001853.D
Acq: 04 Mar 2020 15:06

Tgt Ion:180 Resp: 9414
Ion Ratio Lower Upper
180 100
182 98.1 47.6 142.9
145 34.4 16.8 50.3

