

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030420\
 Data File : VY001852.D
 Acq On : 04 Mar 2020 14:45
 Operator : SY/MD
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

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

Quant Time: Mar 05 05:46:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y030420S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 05 04:05:33 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	181622	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.71	114	324975	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.50	117	287675	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	133154	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	99890	51.52	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.04%	
35) Dibromofluoromethane	7.74	113	91445	51.53	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	103.06%	
50) Toluene-d8	10.19	98	382047	51.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.12%	
62) 4-Bromofluorobenzene	12.49	95	131182	50.42	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.84%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	4987	2.975	ug/l	92
3) Chloromethane	2.12	50	6653	2.943	ug/l	93
4) Vinyl Chloride	2.26	62	6515	2.834	ug/l	99
5) Bromomethane	2.66	94	4660	3.055	ug/l	94
6) Chloroethane	2.80	64	3749	2.596	ug/l	97
7) Trichlorofluoromethane	3.14	101	8496	2.725	ug/l	96
8) Diethyl Ether	3.54	74	3230	2.628	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.91	101	5399	2.692	ug/l	97
10) Methyl Iodide	4.11	142	4943	2.131	ug/l	100
11) Tert butyl alcohol	4.97	59	1484	6.270	ug/l #	74
12) 1,1-Dichloroethene	3.89	96	5554	2.750	ug/l	96
13) Acrolein	3.75	56	3659	13.429	ug/l	96
14) Allyl chloride	4.50	41	9257	2.586	ug/l	99
15) Acrylonitrile	5.19	53	9382	14.287	ug/l	97
16) Acetone	3.97	43	8374	14.828	ug/l	97
17) Carbon Disulfide	4.21	76	17493	2.577	ug/l	97
18) Methyl Acetate	4.50	43	4500	3.101	ug/l	97
19) Methyl tert-butyl Ether	5.24	73	14470	2.644	ug/l #	83
20) Methylene Chloride	4.73	84	9748	4.028	ug/l	92
21) trans-1,2-Dichloroethene	5.24	96	5912	2.579	ug/l	90
22) Diisopropyl ether	6.14	45	19121	2.606	ug/l	94
23) Vinyl Acetate	6.08	43	60778	12.634	ug/l	98
24) 1,1-Dichloroethane	6.04	63	10136	2.551	ug/l	99
25) 2-Butanone	7.01	43	11172	13.009	ug/l	96
26) 2,2-Dichloropropane	7.00	77	8391	2.573	ug/l	98
27) cis-1,2-Dichloroethene	7.00	96	6685	2.681	ug/l	96
28) Bromochloromethane	7.35	49	4869	2.718	ug/l	93
29) Tetrahydrofuran	7.37	42	7464	13.088	ug/l	94
30) Chloroform	7.53	83	10182	2.727	ug/l	93
31) Cyclohexane	7.80	56	14647	3.438	ug/l #	70
32) 1,1,1-Trichloroethane	7.72	97	8370	2.660	ug/l	98
36) 1,1-Dichloropropene	7.94	75	8093	2.588	ug/l	99
37) Ethyl Acetate	7.09	43	4353	2.395	ug/l #	95
38) Carbon Tetrachloride	7.92	117	6685	2.502	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.20	83	11152	2.689	ug/l	93
40) Benzene	8.18	78	24415	2.634	ug/l	96
41) Methacrylonitrile	7.37	41	7037	8.603	ug/l #	1
42) 1,2-Dichloroethane	8.25	62	6819	2.855	ug/l	99
43) Isopropyl Acetate	8.29	43	9181	2.668	ug/l #	90
44) Trichloroethene	8.96	130	5888	2.608	ug/l	93
45) 1,2-Dichloropropane	9.23	63	6049	2.596	ug/l	91
46) Dibromomethane	9.32	93	3301	2.749	ug/l	94
47) Bromodichloromethane	9.51	83	7067	2.530	ug/l #	99
48) Methyl methacrylate	9.30	41	3970	2.600	ug/l	96
49) 1,4-Dioxane	9.31	88	912	55.429	ug/l #	86
51) 4-Methyl-2-Pentanone	10.08	43	23496	13.256	ug/l	98
52) Toluene	10.25	92	14599	2.593	ug/l	96
53) t-1,3-Dichloropropene	10.47	75	7635	2.509	ug/l	91
54) cis-1,3-Dichloropropene	9.94	75	9333	2.576	ug/l	99
55) 1,1,2-Trichloroethane	10.66	97	4623	2.631	ug/l	90
56) Ethyl methacrylate	10.52	69	6460	2.508	ug/l	90
57) 1,3-Dichloropropane	10.80	76	8137	2.598	ug/l	96
58) 2-Chloroethyl Vinyl ether	9.80	63	12883	12.614	ug/l	98
59) 2-Hexanone	10.84	43	16268	12.859	ug/l	99
60) Dibromochloromethane	10.99	129	4406	2.379	ug/l	100
61) 1,2-Dibromoethane	11.10	107	4395	2.640	ug/l	100
64) Tetrachloroethene	10.73	164	4865	2.697	ug/l	94
65) Chlorobenzene	11.52	112	15501	2.704	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.60	131	4857	2.584	ug/l	98
67) Ethyl Benzene	11.60	91	29187	2.730	ug/l	97
68) m/p-Xylenes	11.71	106	21175	5.358	ug/l	100
69) o-Xylene	12.04	106	9761	2.620	ug/l	98
70) Styrene	12.05	104	16667	2.612	ug/l	98
71) Bromoform	12.22	173	2353	2.308	ug/l #	95
73) Isopropylbenzene	12.34	105	25932	2.551	ug/l	96
74) N-amyl acetate	12.15	43	8098	2.592	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	5696	2.599	ug/l	99
76) 1,2,3-Trichloropropane	12.64	75	7306	4.624	ug/l #	100
77) Bromobenzene	12.61	156	5913	2.746	ug/l	99
78) n-propylbenzene	12.68	91	34126	2.721	ug/l	100
79) 2-Chlorotoluene	12.77	91	19117	2.759	ug/l	99
80) 1,3,5-Trimethylbenzene	12.82	105	22404	2.677	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.49	75	67045	85.716	ug/l #	17
82) 4-Chlorotoluene	12.86	91	20315	2.816	ug/l	100
83) tert-Butylbenzene	13.08	119	18912	2.721	ug/l	97
84) 1,2,4-Trimethylbenzene	13.13	105	21648	2.607	ug/l	96
85) sec-Butylbenzene	13.26	105	29137	2.844	ug/l	99
86) p-Isopropyltoluene	13.38	119	24654	2.790	ug/l	99
87) 1,3-Dichlorobenzene	13.37	146	12035	2.852	ug/l	97
88) 1,4-Dichlorobenzene	13.45	146	12637	2.952	ug/l	88
89) n-Butylbenzene	13.70	91	25827	2.817	ug/l	99
90) Hexachloroethane	13.97	117	4398	2.638	ug/l	98
91) 1,2-Dichlorobenzene	13.75	146	10977	2.863	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.36	75	896	2.620	ug/l	93

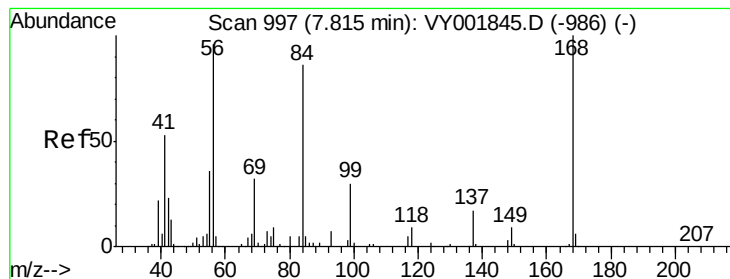
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.02	180	7868	3.164	ug/l	99
94) Hexachlorobutadiene	15.12	225	3784	3.122	ug/l	98
95) Naphthalene	15.25	128	17988	3.050	ug/l	98
96) 1,2,3-Trichlorobenzene	15.43	180	6931	3.164	ug/l	96

(#) = 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: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

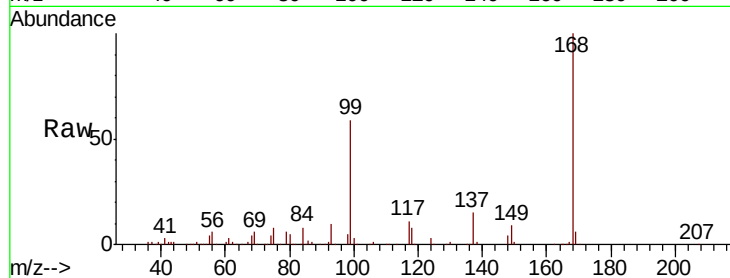
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:168 Resp: 181622

Ion Ratio Lower Upper

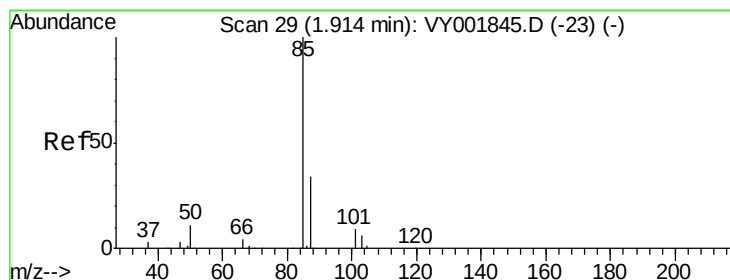
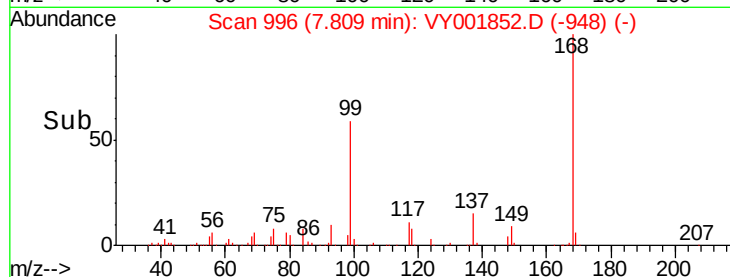
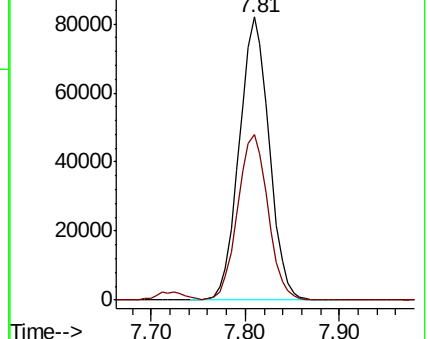
168 100

99 58.6 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) (-)



#2

Dichlorodifluoromethane

Concen: 2.975 ug/l

RT: 1.91 min Scan# 28

Delta R.T. -0.01 min

Lab File: VY001852.D

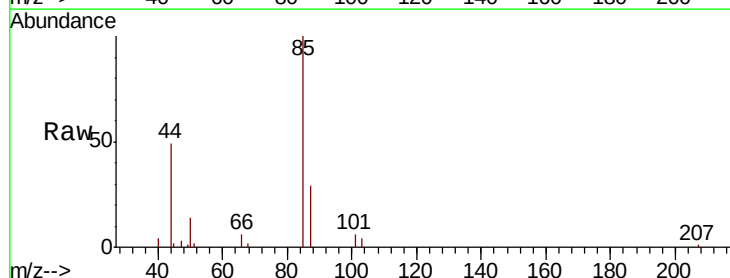
Acq: 04 Mar 2020 14:45

Tgt Ion: 85 Resp: 4987

Ion Ratio Lower Upper

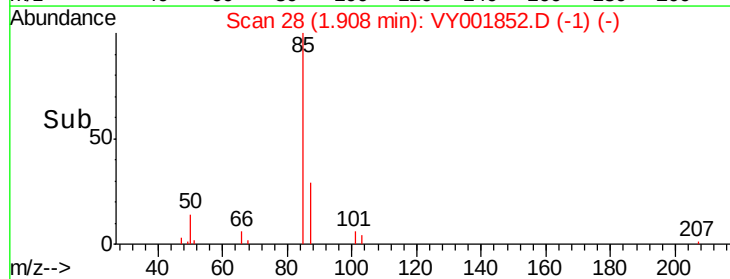
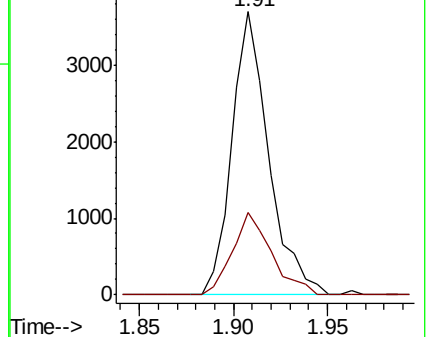
85 100

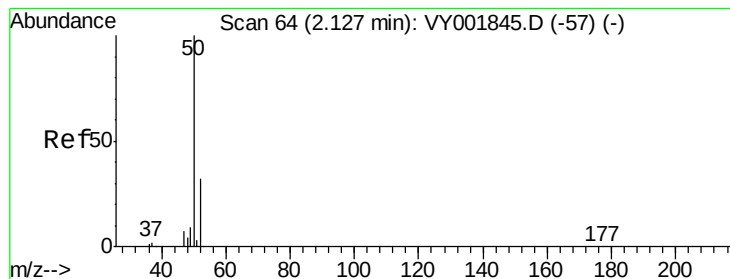
87 29.1 16.8 50.4



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

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





#3

Chloromethane

Concen: 2.943 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

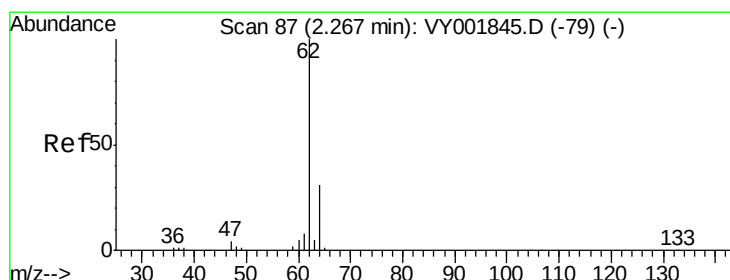
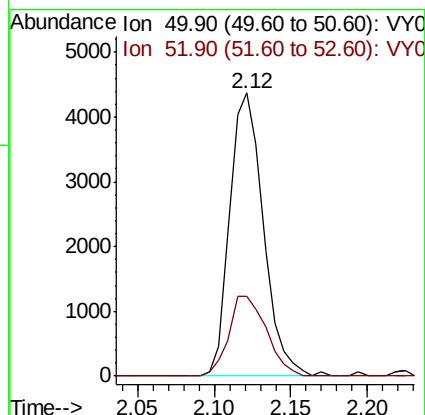
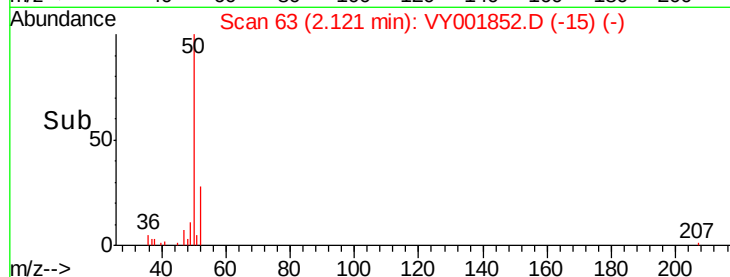
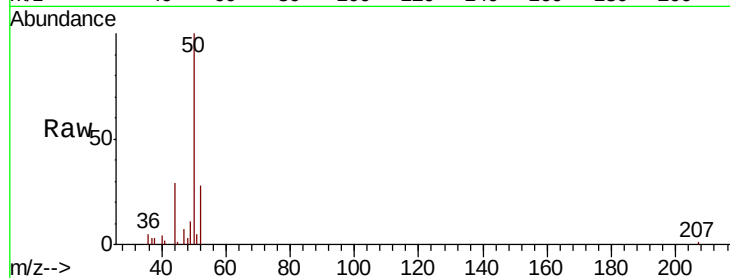
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 50 Resp: 6653

Ion Ratio Lower Upper

50 100

52 28.3 25.8 38.6



#4

Vinyl Chloride

Concen: 2.834 ug/l

RT: 2.26 min Scan# 85

Delta R.T. -0.01 min

Lab File: VY001852.D

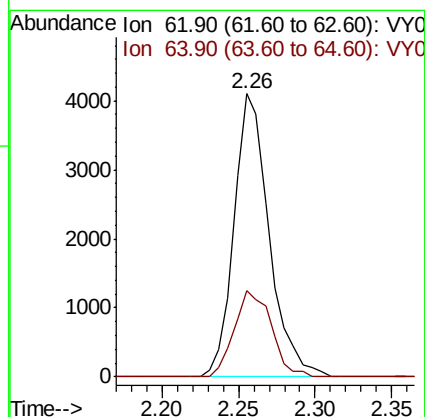
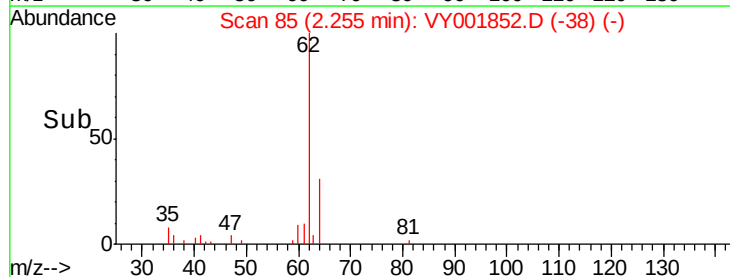
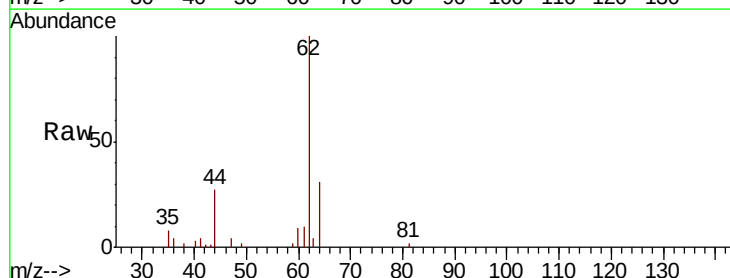
Acq: 04 Mar 2020 14:45

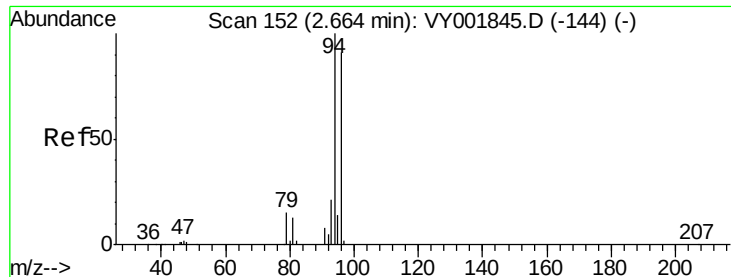
Tgt Ion: 62 Resp: 6515

Ion Ratio Lower Upper

62 100

64 30.7 25.1 37.7





#5

Bromomethane

Concen: 3.055 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

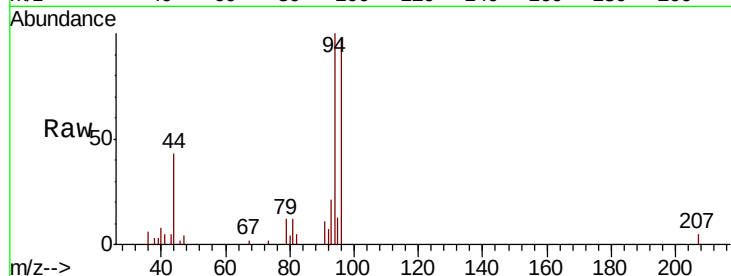
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 94 Resp: 4660

Ion Ratio Lower Upper

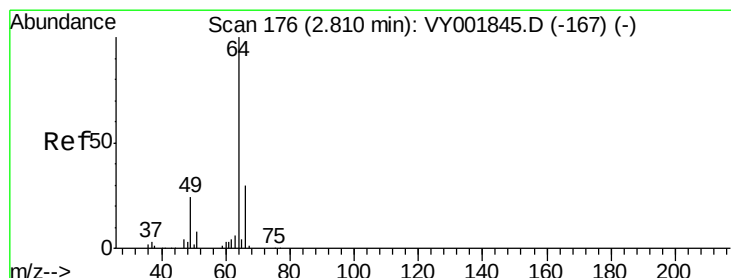
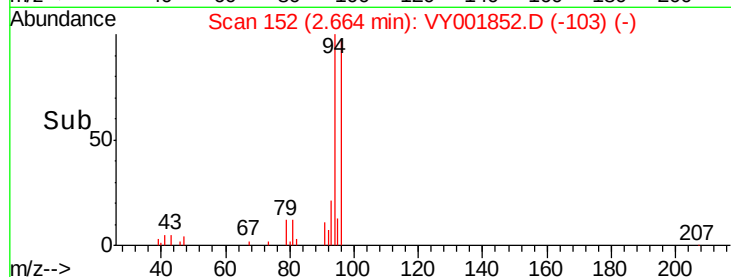
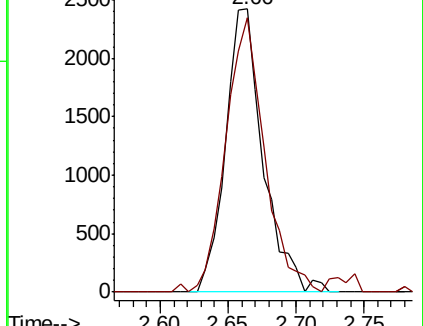
94 100

96 97.0 73.2 109.8



Abundance Ion 93.90 (93.60 to 94.60): VY001845.D (-144) (-)

Ion 95.90 (95.60 to 96.60): VY001845.D (-144) (-)



#6

Chloroethane

Concen: 2.596 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001852.D

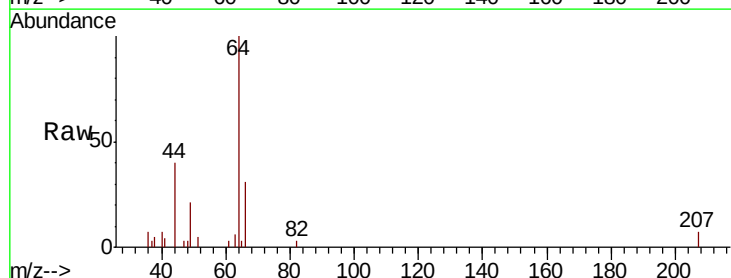
Acq: 04 Mar 2020 14:45

Tgt Ion: 64 Resp: 3749

Ion Ratio Lower Upper

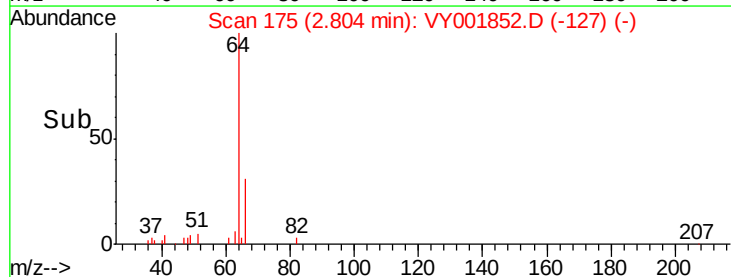
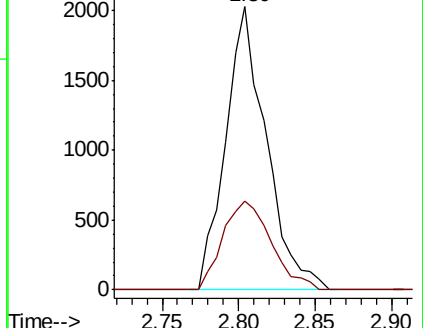
64 100

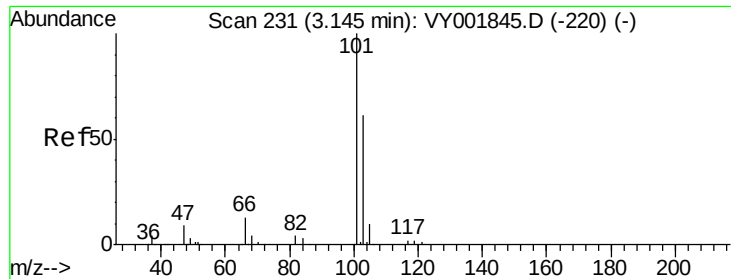
66 31.4 23.8 35.8



Abundance Ion 63.90 (63.60 to 64.60): VY001845.D (-167) (-)

Ion 65.90 (65.60 to 66.60): VY001845.D (-167) (-)



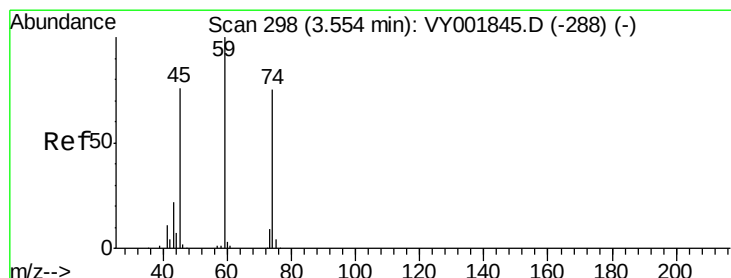
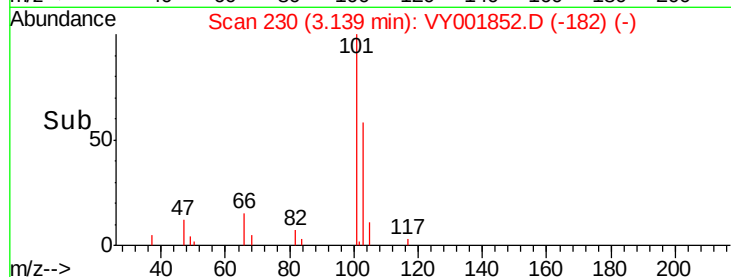
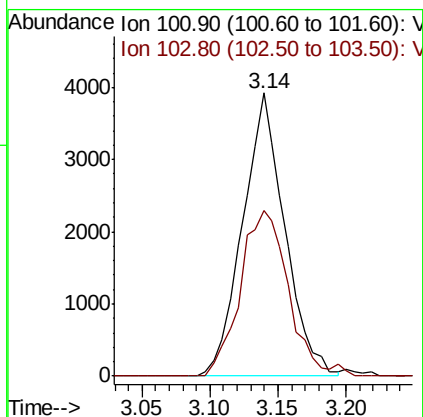
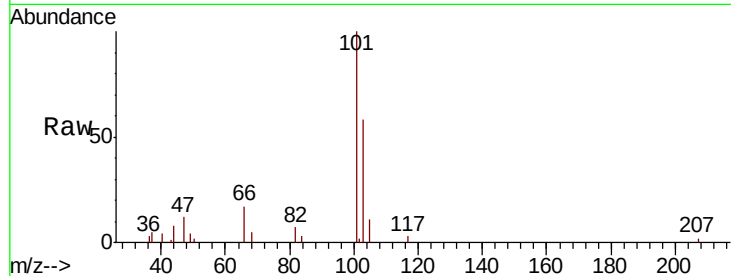


#7

Trichlorofluoromethane
 Concen: 2.725 ug/l
 RT: 3.14 min Scan# 230
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

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

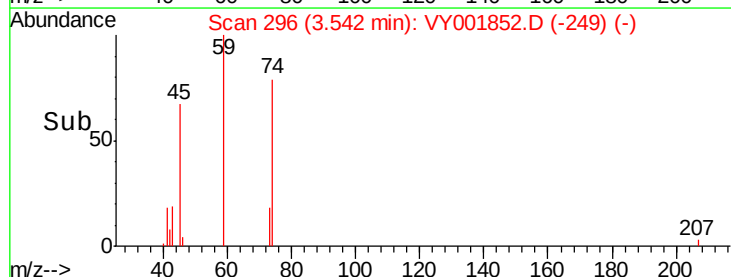
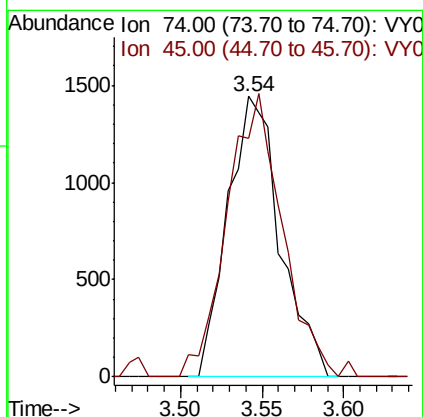
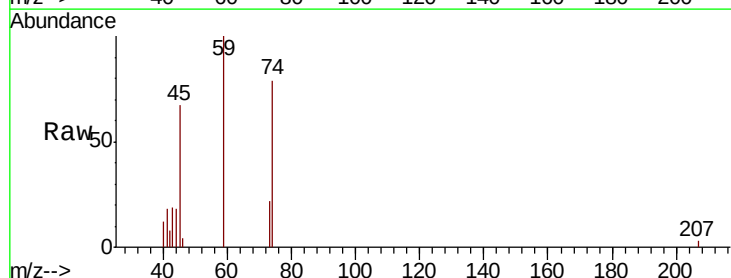
Tot Ion:101 Resp: 8496
 Ion Ratio Lower Upper
 101 100
 103 58.4 49.1 73.7

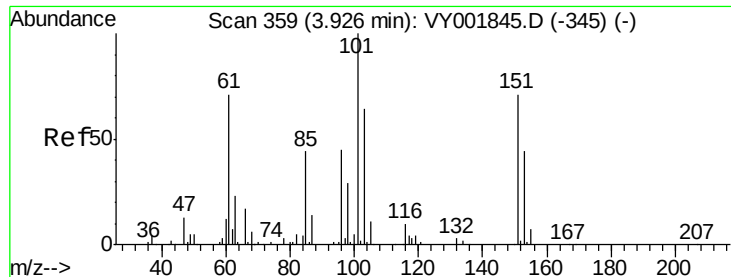


#8

Diethyl Ether
 Concen: 2.628 ug/l
 RT: 3.54 min Scan# 296
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion: 74 Resp: 3230
 Ion Ratio Lower Upper
 74 100
 45 106.1 50.5 151.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 2.692 ug/l

RT: 3.91 min Scan# 357

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

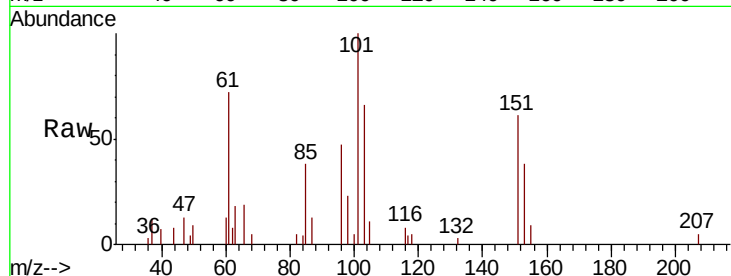
Tot Ion:101 Resp: 5399

Ion Ratio Lower Upper

101 100

85 45.5 35.3 52.9

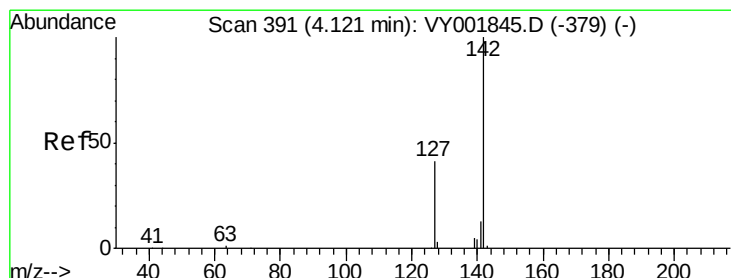
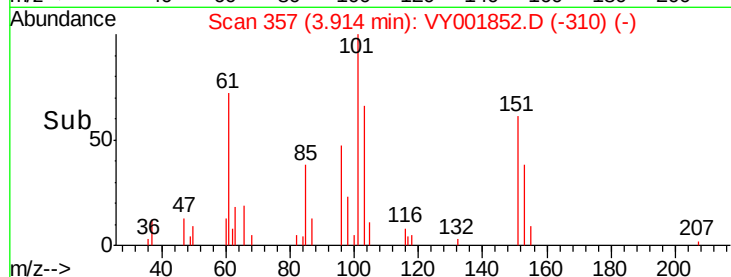
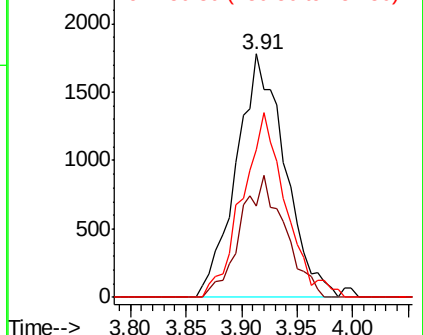
151 68.0 57.0 85.4



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: 2.131 ug/l

RT: 4.11 min Scan# 389

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

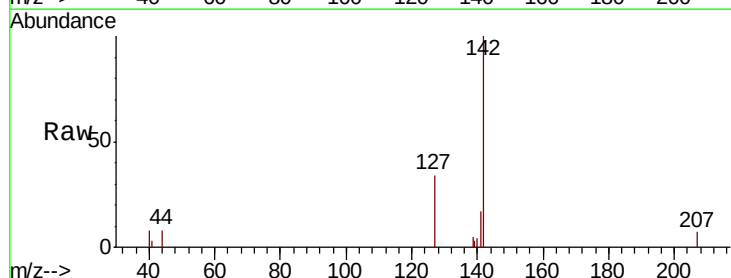
Tgt Ion:142 Resp: 4943

Ion Ratio Lower Upper

142 100

127 40.9 32.7 49.1

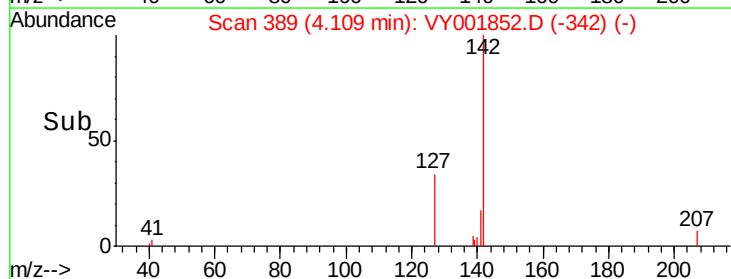
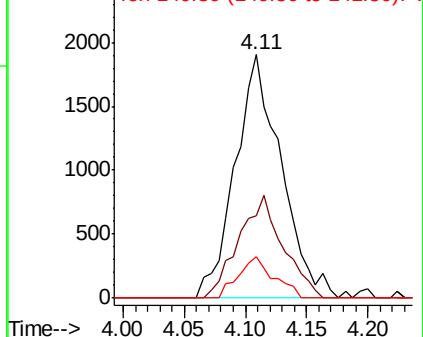
141 13.2 11.0 16.6

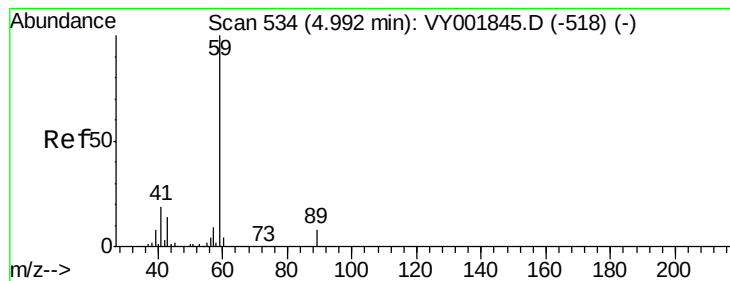


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



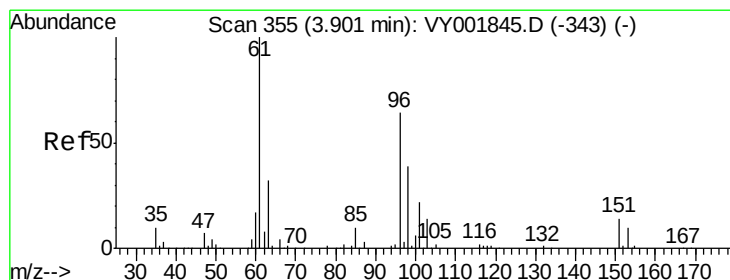
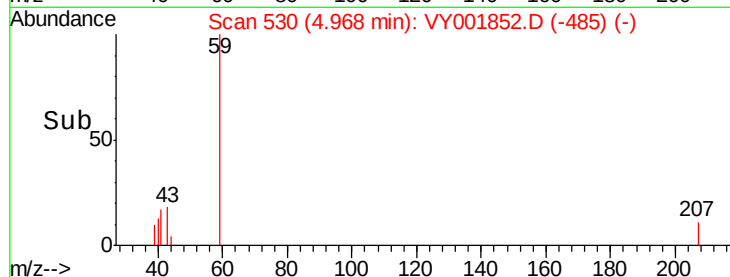
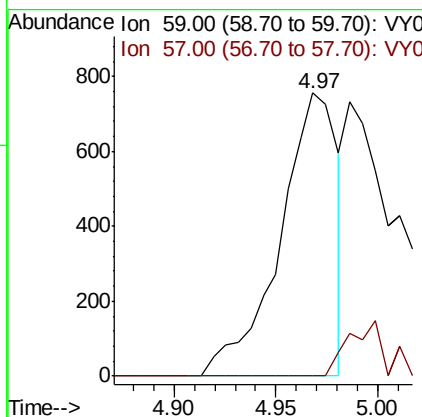
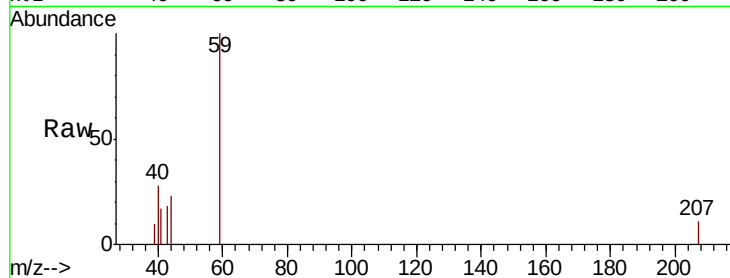


#11

Tert butyl alcohol
 Concen: 6.270 ug/l
 RT: 4.97 min Scan# 530
 Delta R.T. -0.02 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

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

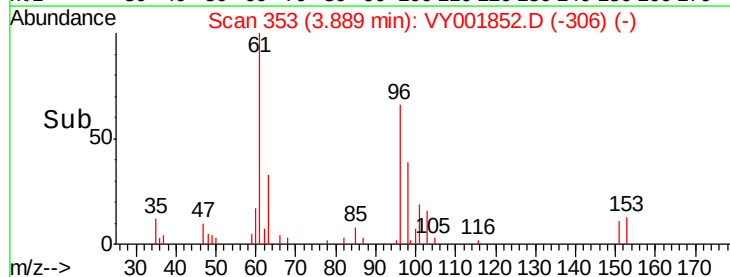
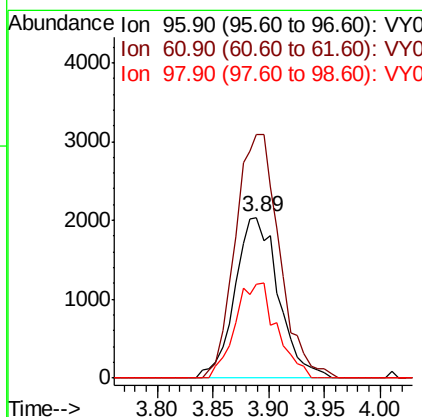
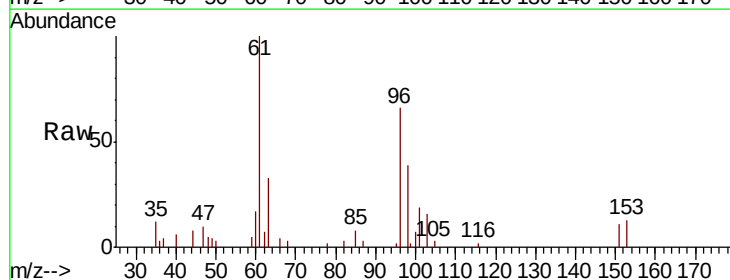
Tot Ion: 59 Resp: 1484
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.4 11.2#

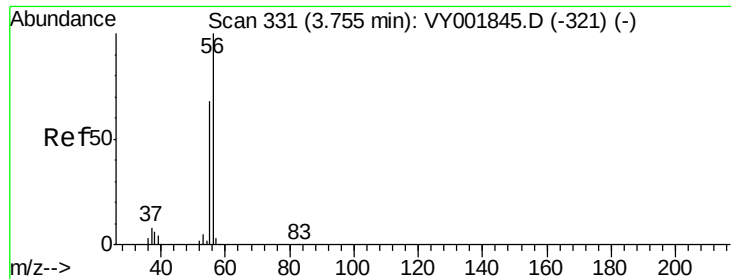


#12

1,1-Dichloroethene
 Concen: 2.750 ug/l
 RT: 3.89 min Scan# 353
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion: 96 Resp: 5554
 Ion Ratio Lower Upper
 96 100
 61 151.4 124.8 187.2
 98 58.5 49.2 73.8





#13

Acrolein

Concen: 13.429 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

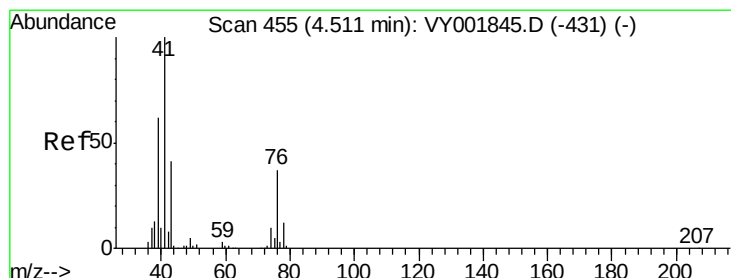
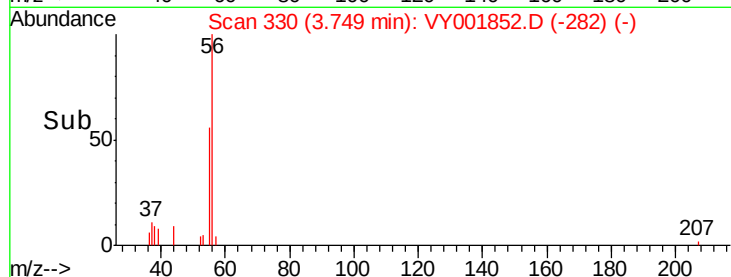
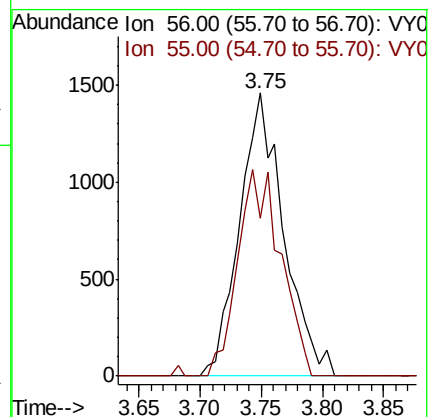
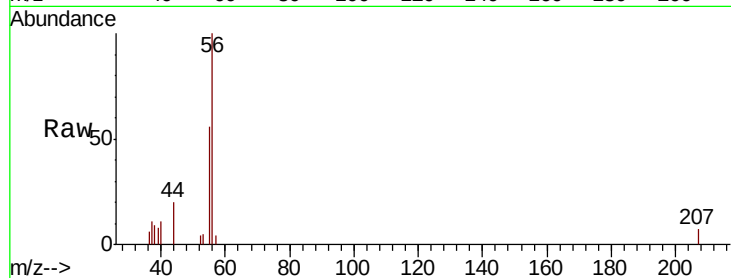
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 56 Resp: 3659

Ion Ratio Lower Upper

56 100

55 70.8 54.0 81.0



#14

Allyl chloride

Concen: 2.586 ug/l

RT: 4.50 min Scan# 454

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

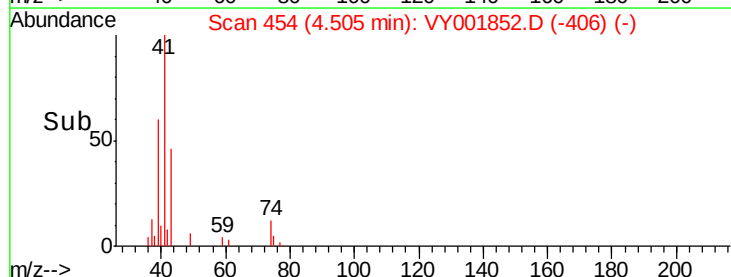
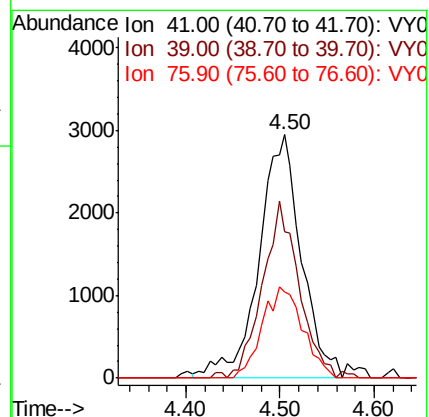
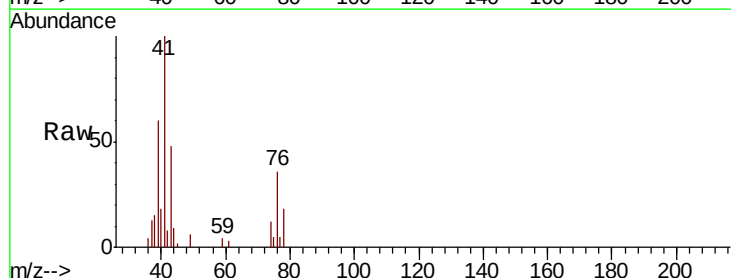
Tgt Ion: 41 Resp: 9257

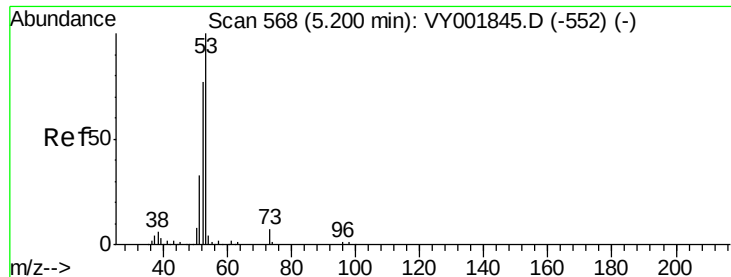
Ion Ratio Lower Upper

41 100

39 62.9 49.0 73.6

76 36.0 28.9 43.3





#15

Acrylonitrile

Concen: 14.287 ug/l

RT: 5.19 min Scan# 566

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

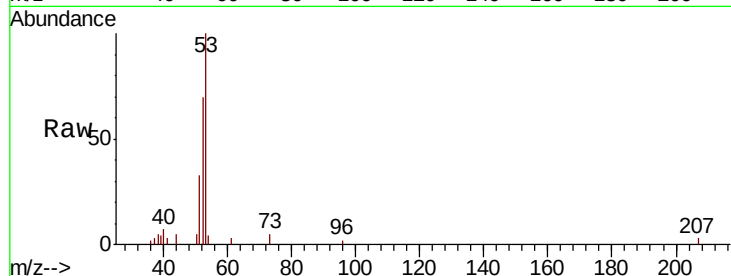
Tot Ion: 53 Resp: 9382

Ion Ratio Lower Upper

53 100

52 84.5 65.1 97.7

51 35.8 27.5 41.3

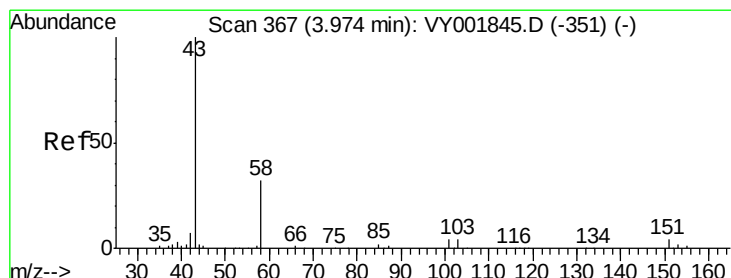
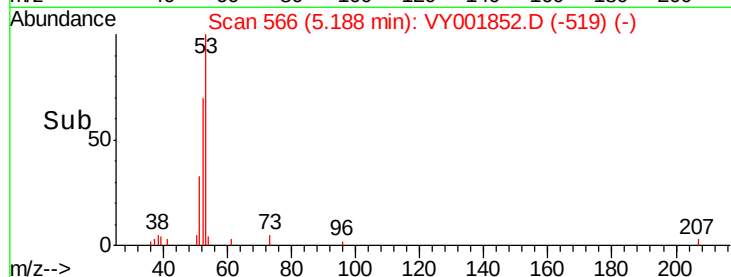


Abundance Ion 53.00 (52.70 to 53.70): VY001845.D (-552) (-)

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

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

Time-->



#16

Acetone

Concen: 14.828 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001852.D

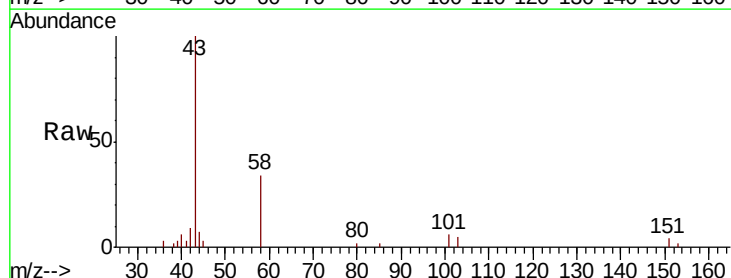
Acq: 04 Mar 2020 14:45

Tgt Ion: 43 Resp: 8374

Ion Ratio Lower Upper

43 100

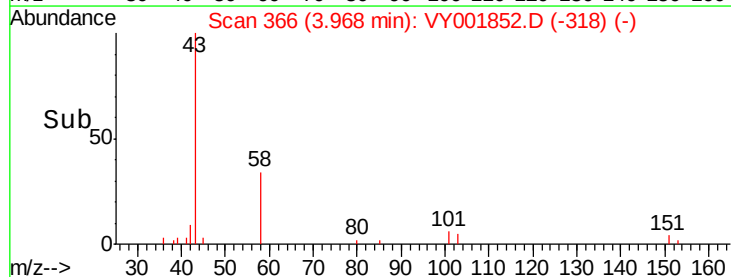
58 34.1 25.9 38.9

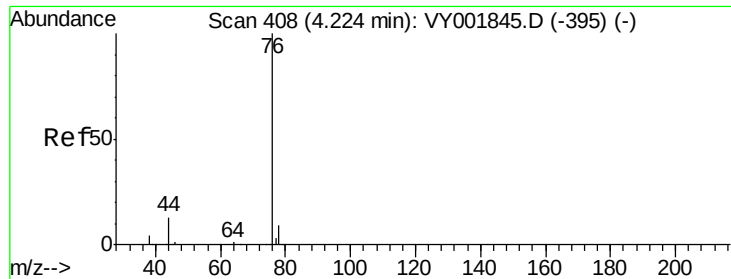


Abundance Ion 43.00 (42.70 to 43.70): VY001845.D (-351) (-)

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

Time-->

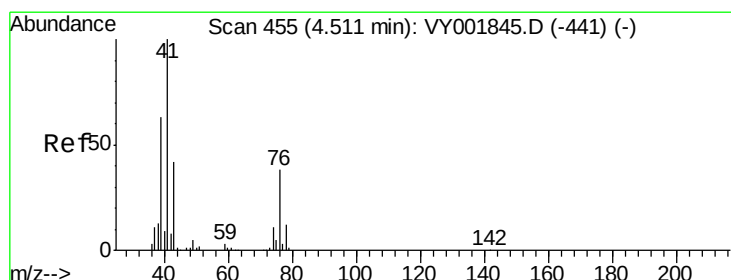
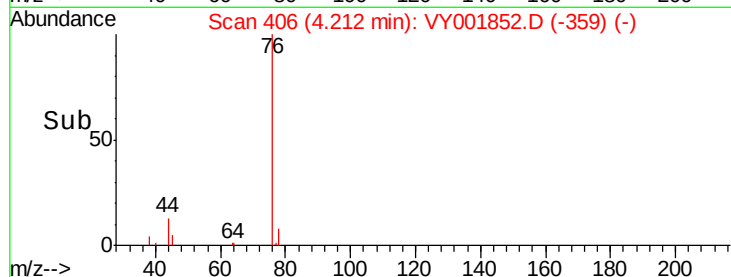
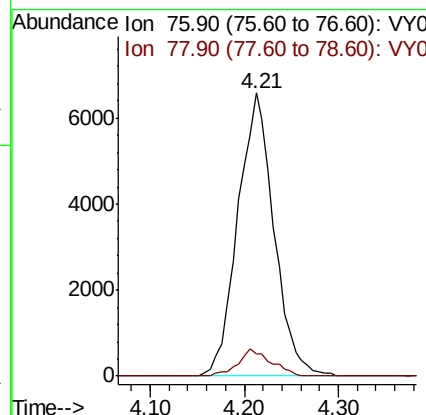
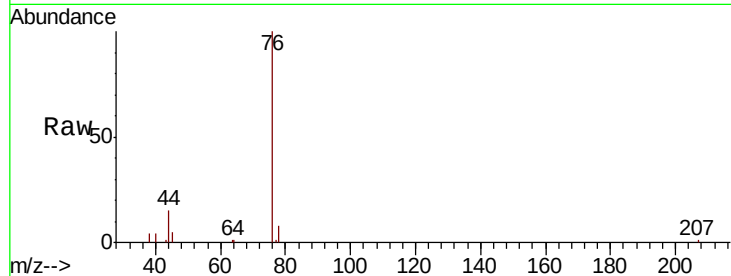




#17
Carbon Disulfide
Concen: 2.577 ug/l
RT: 4.21 min Scan# 406
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

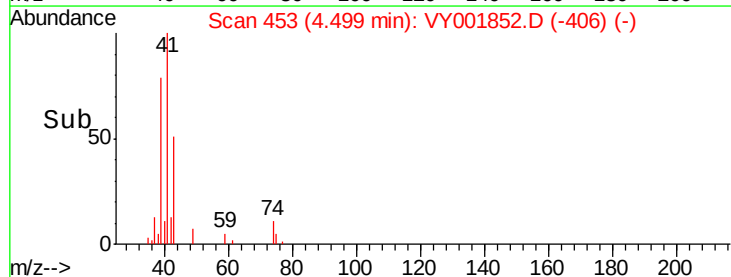
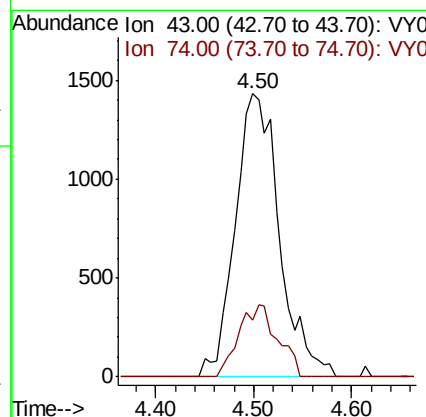
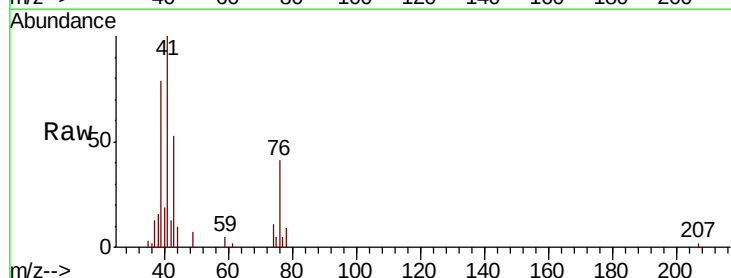
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

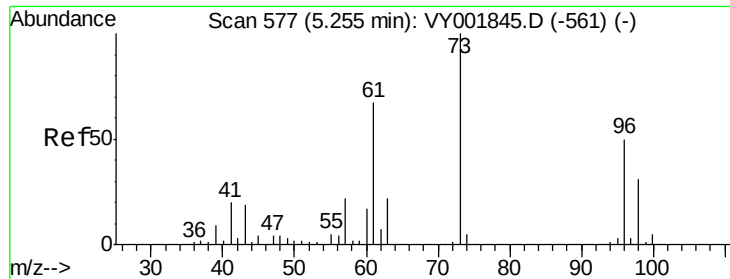
Tot Ion: 76 Resp: 17493
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.2



#18
Methyl Acetate
Concen: 3.101 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 43 Resp: 4500
Ion Ratio Lower Upper
43 100
74 22.3 19.0 28.6

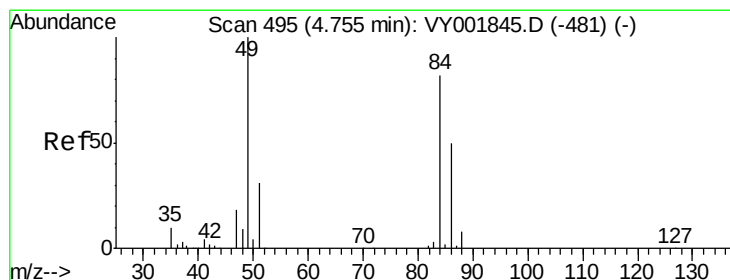
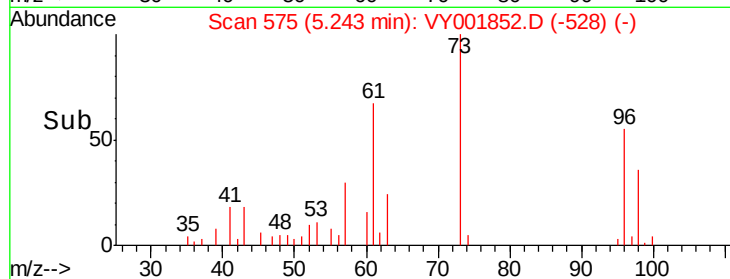
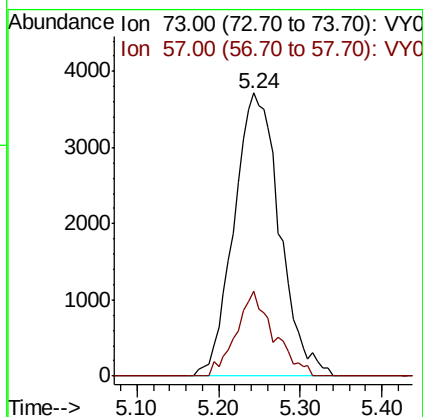
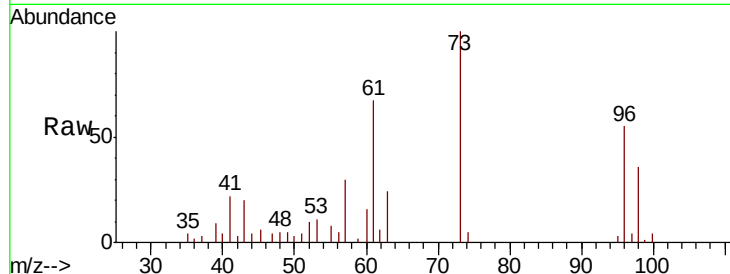




#19
Methyl tert-butyl Ether
Concen: 2.644 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

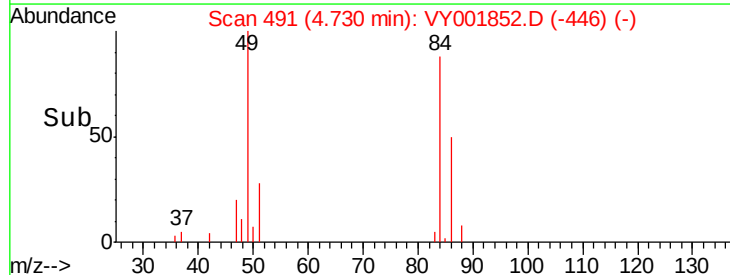
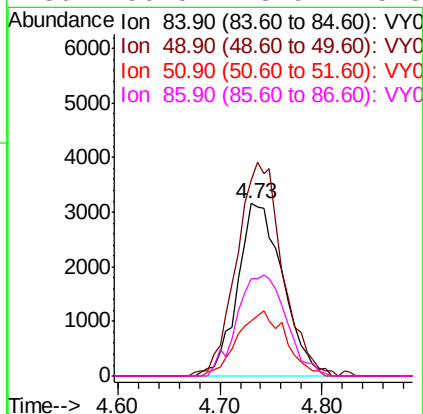
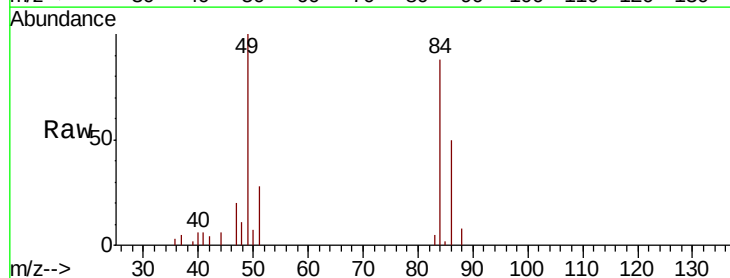
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

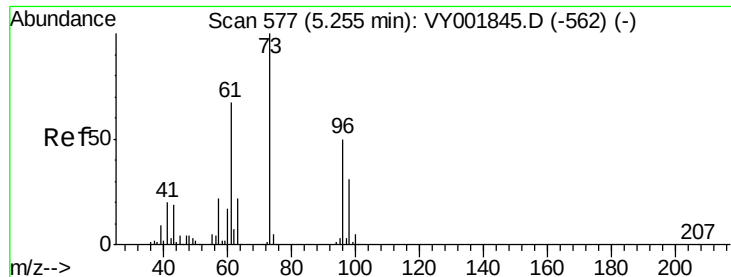
Tot Ion: 73 Resp: 14470
Ion Ratio Lower Upper
73 100
57 29.8 17.4 26.2#



#20
Methylene Chloride
Concen: 4.028 ug/l
RT: 4.73 min Scan# 491
Delta R.T. -0.02 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 84 Resp: 9748
Ion Ratio Lower Upper
84 100
49 113.1 98.2 147.2
51 32.1 30.2 45.2
86 56.0 48.9 73.3





#21

trans-1,2-Dichloroethene

Concen: 2.579 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

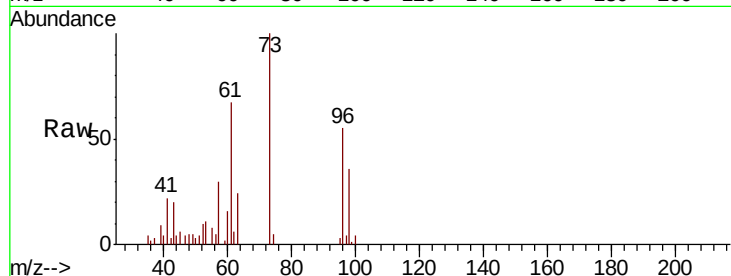
Tot Ion: 96 Resp: 5912

Ion Ratio Lower Upper

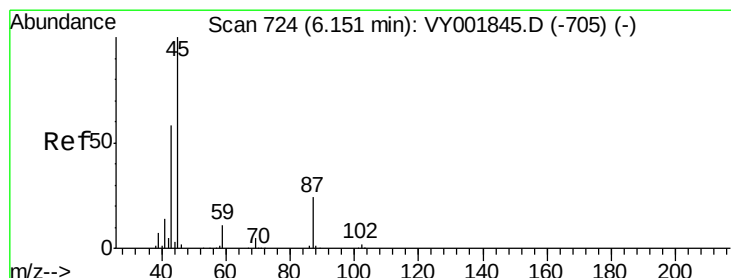
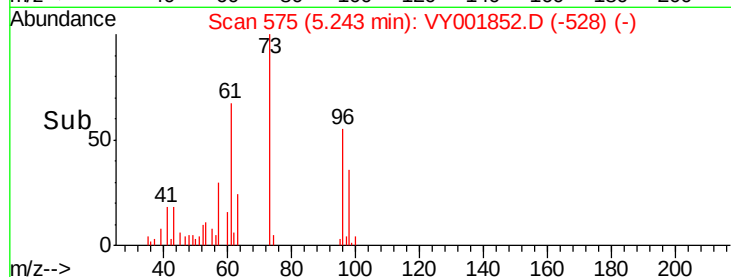
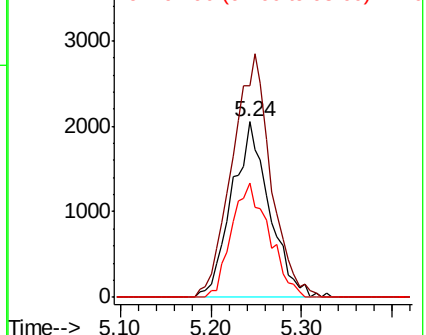
96 100

61 120.8 107.7 161.5

98 65.4 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: 2.606 ug/l

RT: 6.14 min Scan# 722

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Tgt Ion: 45 Resp: 19121

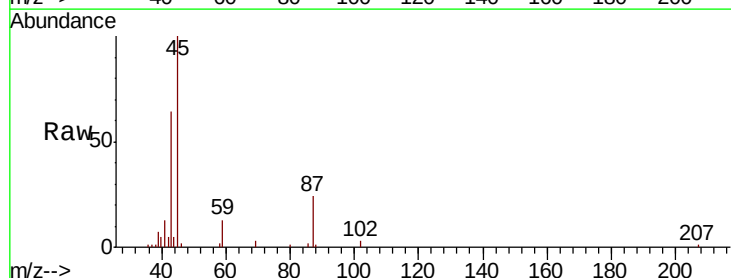
Ion Ratio Lower Upper

45 100

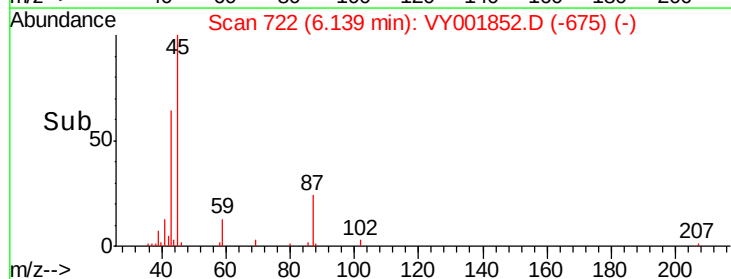
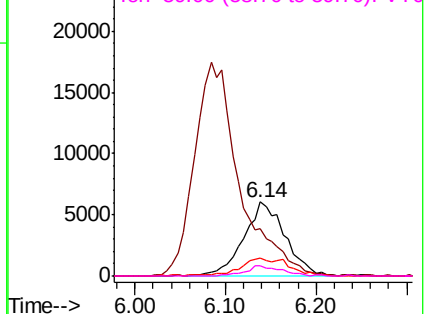
43 64.2 47.2 70.8

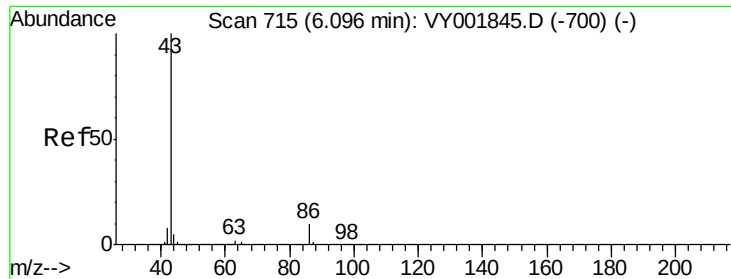
87 23.6 19.8 29.8

59 13.2 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: 12.634 ug/l

RT: 6.08 min Scan# 713

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

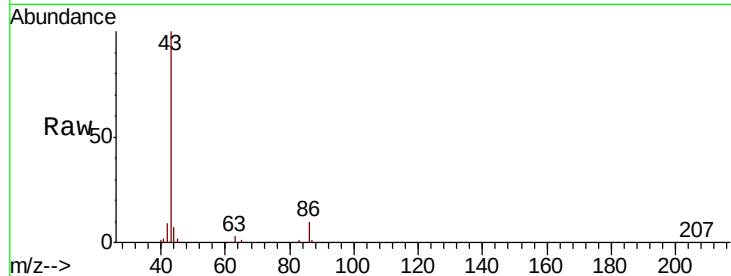
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 60778

Ion Ratio Lower Upper

43 100

86 10.5 7.8 11.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 86.00 (85.70 to 86.70): VY0

20000

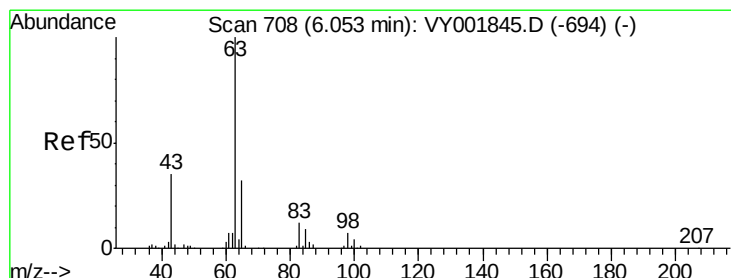
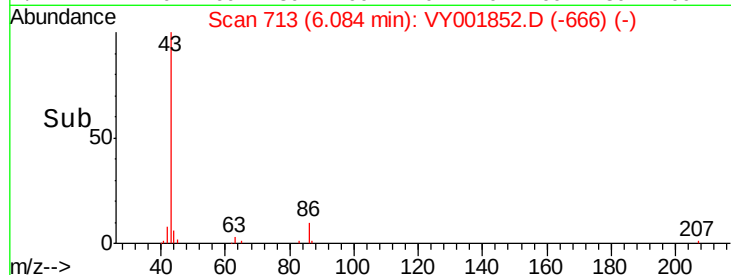
15000

10000

5000

0

Time-->



#24

1,1-Dichloroethane

Concen: 2.551 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

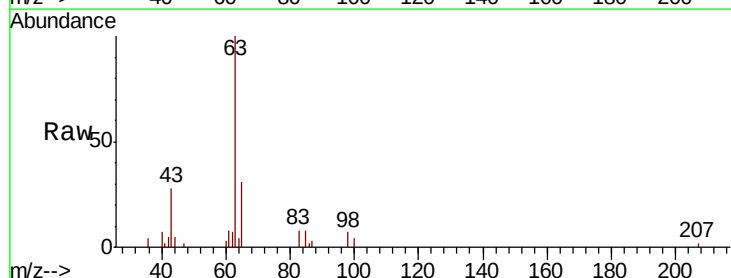
Tgt Ion: 63 Resp: 10136

Ion Ratio Lower Upper

63 100

98 7.0 3.4 10.2

100 3.6 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

4000

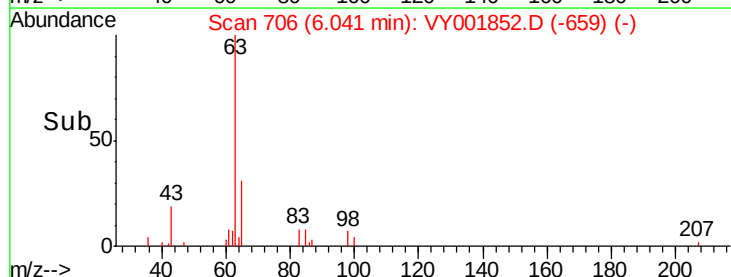
3000

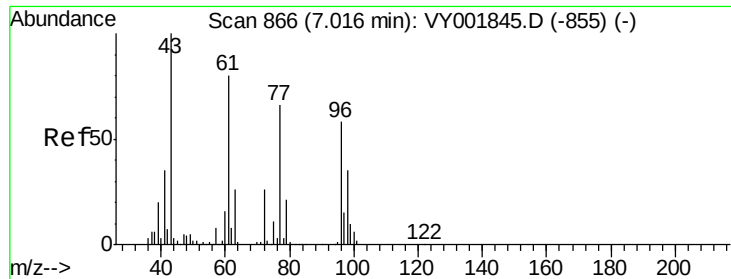
2000

1000

0

Time-->





#25

2-Butanone

Concen: 13.009 ug/l

RT: 7.01 min Scan# 865

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

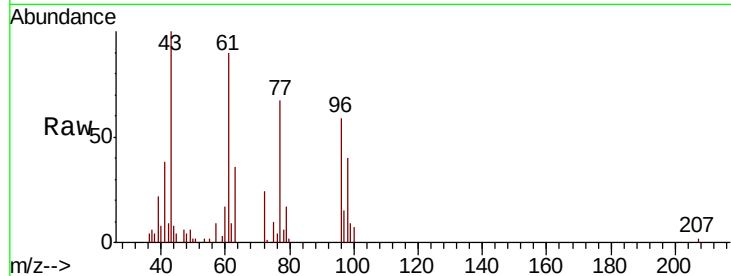
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 11172

Ion Ratio Lower Upper

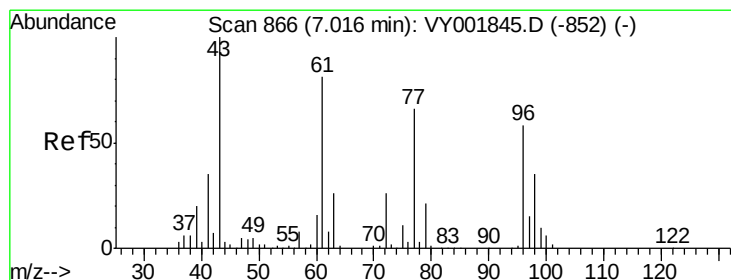
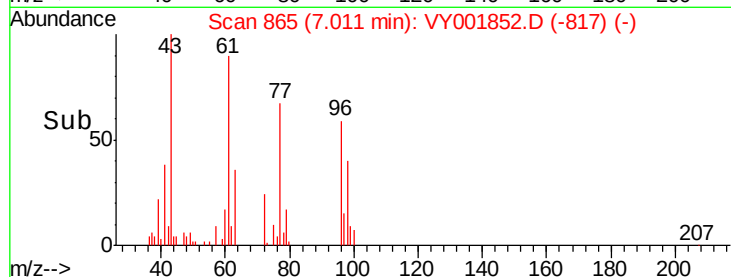
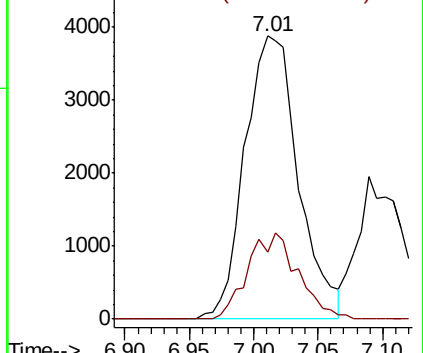
43 100

72 23.8 20.9 31.3



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 2.573 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001852.D

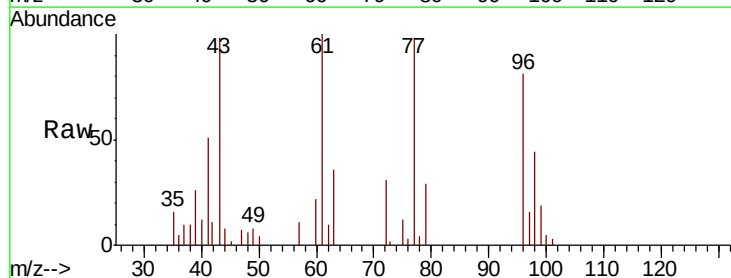
Acq: 04 Mar 2020 14:45

Tgt Ion: 77 Resp: 8391

Ion Ratio Lower Upper

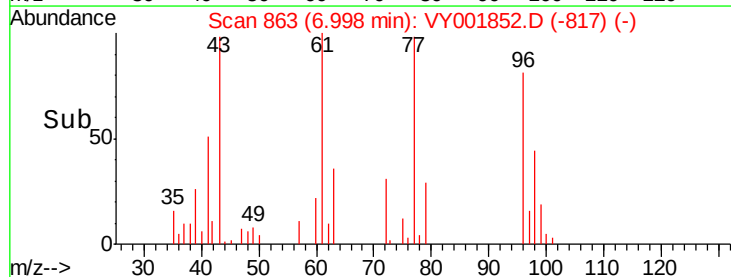
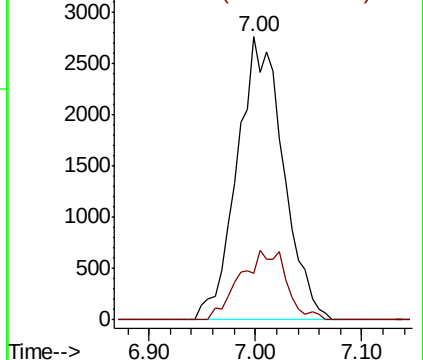
77 100

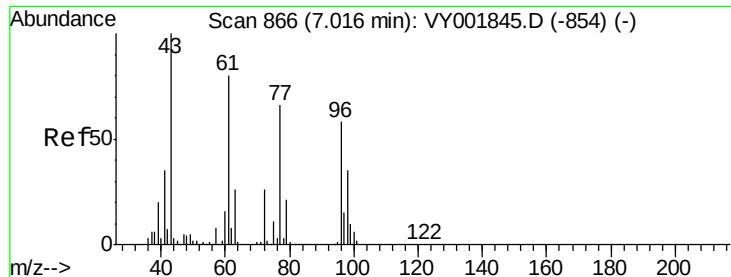
97 24.6 11.9 35.7



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



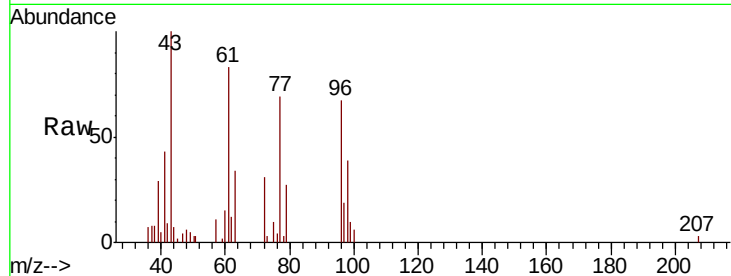


#27

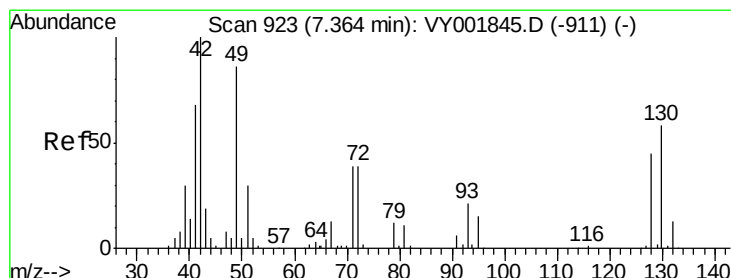
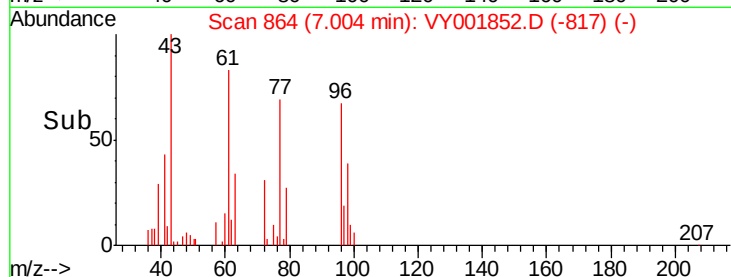
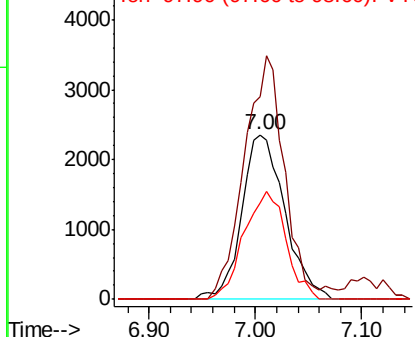
cis-1,2-Dichloroethene
Concen: 2.681 ug/l
RT: 7.00 min Scan# 864
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion: 96 Resp: 6685
Ion Ratio Lower Upper
96 100
61 137.0 0.0 288.2
98 63.9 0.0 129.0



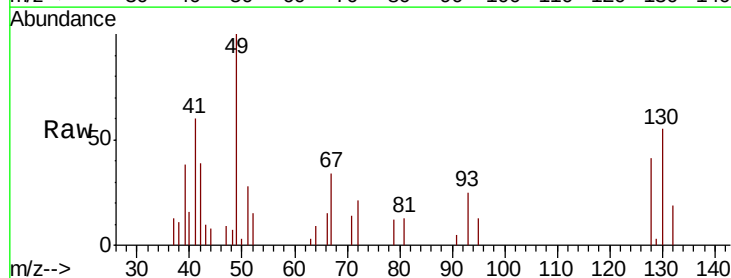
Abundance Ion 95.90 (95.60 to 96.60): VY0
Ion 60.90 (60.60 to 61.60): VY0
Ion 97.90 (97.60 to 98.60): VY0



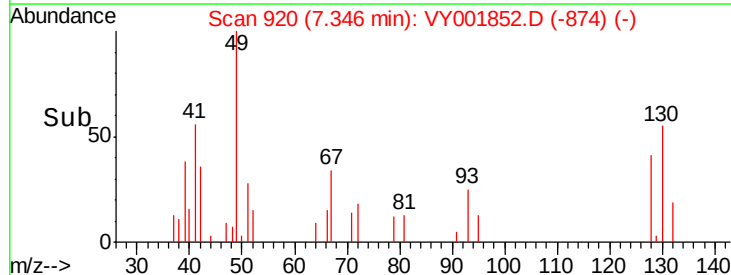
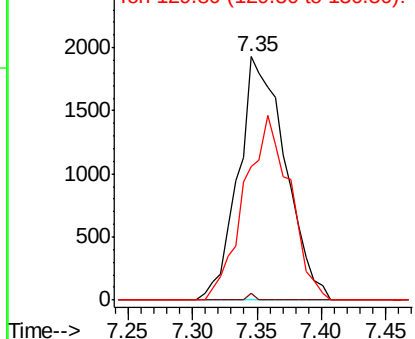
#28

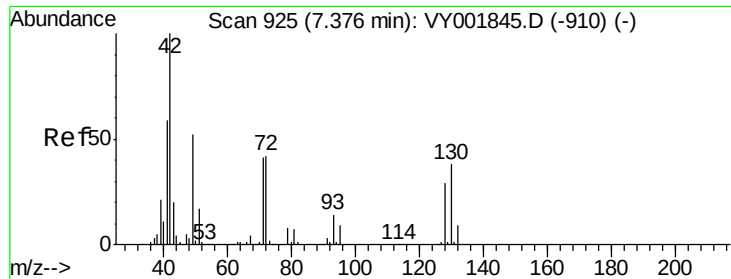
Bromochloromethane
Concen: 2.718 ug/l
RT: 7.35 min Scan# 920
Delta R.T. -0.02 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 49 Resp: 4869
Ion Ratio Lower Upper
49 100
129 0.4 0.0 3.8
130 73.8 54.4 81.6



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

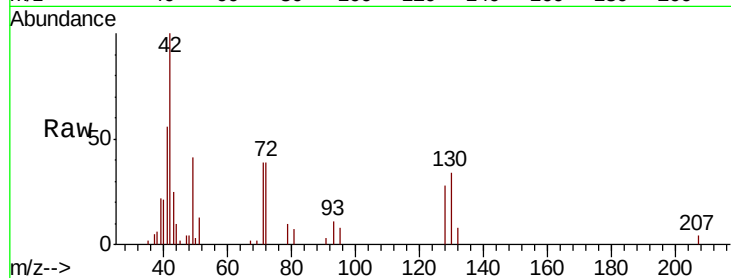




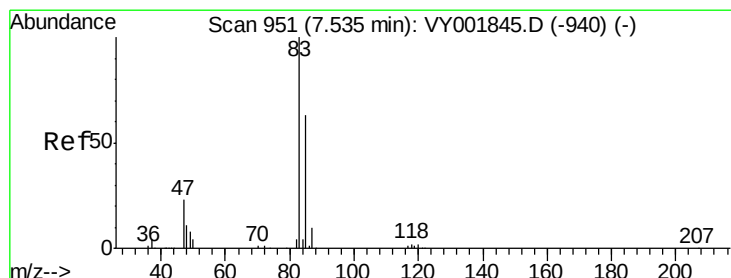
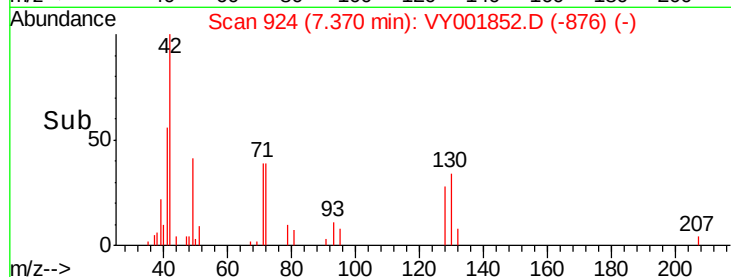
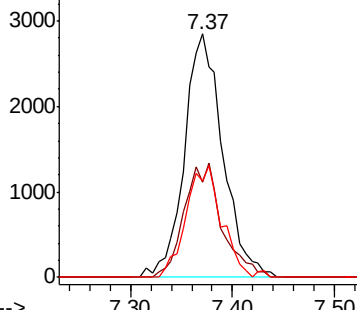
#29
Tetrahydrofuran
Concen: 13.088 ug/l
RT: 7.37 min Scan# 924
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion: 42 Resp: 7464
Ion Ratio Lower Upper
42 100
72 45.8 33.5 50.3
71 42.1 31.3 46.9

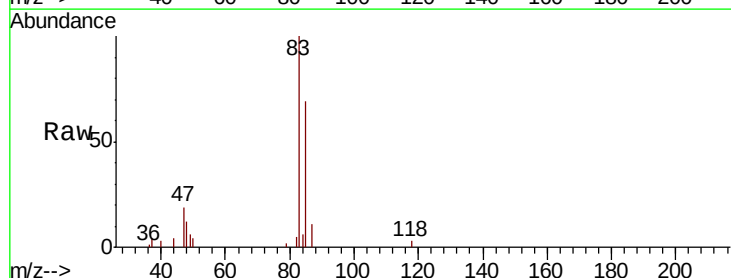


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

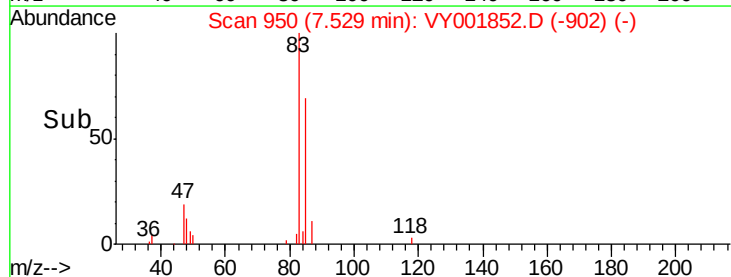
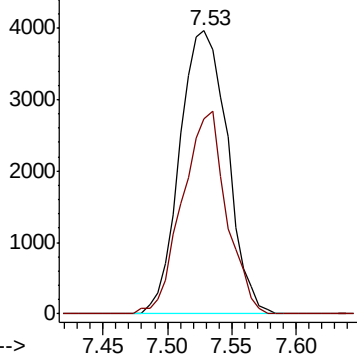


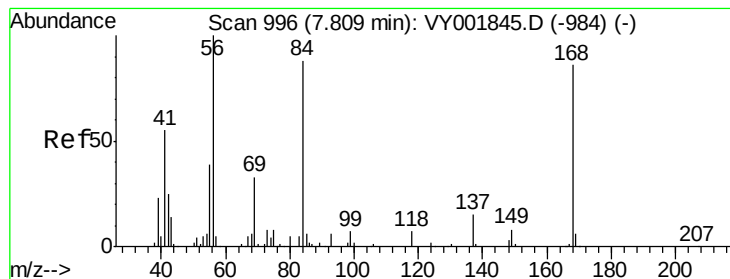
#30
Chloroform
Concen: 2.727 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 83 Resp: 10182
Ion Ratio Lower Upper
83 100
85 68.9 50.7 76.1



Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0





#31

Cyclohexane

Concen: 3.438 ug/l

RT: 7.80 min Scan# 995

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

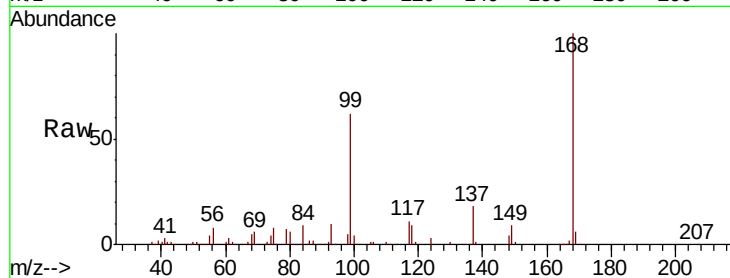
Tot Ion: 56 Resp: 14647

Ion Ratio Lower Upper

56 100

69 67.0 26.7 40.1#

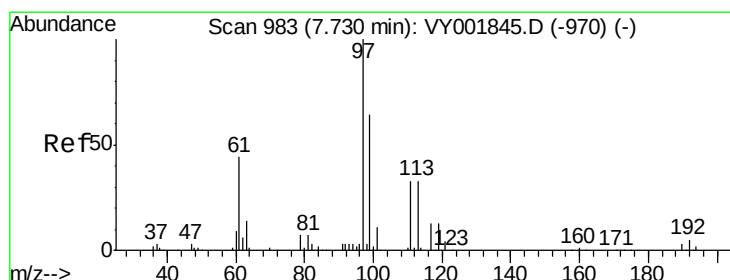
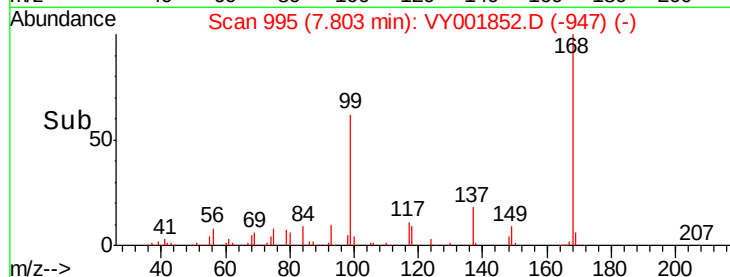
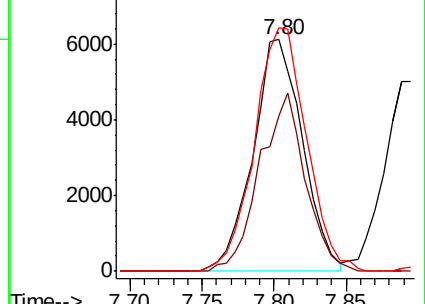
84 105.2 70.4 105.6



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: 2.660 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

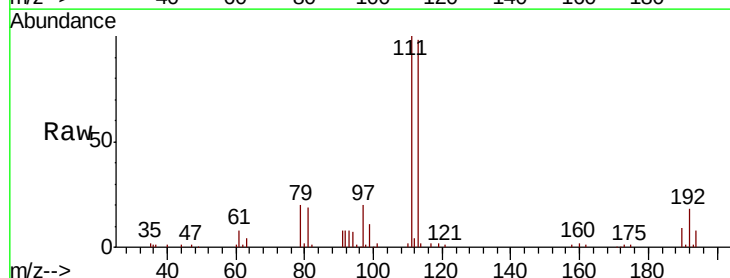
Tgt Ion: 97 Resp: 8370

Ion Ratio Lower Upper

97 100

99 62.7 52.0 78.0

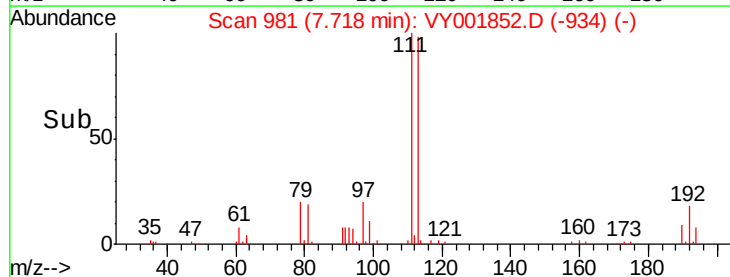
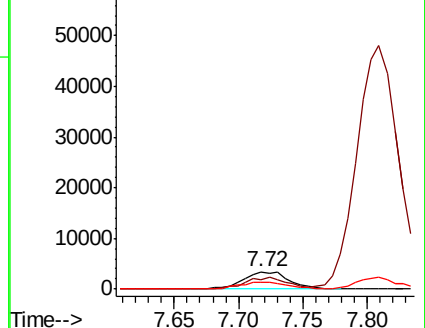
61 43.7 35.0 52.4

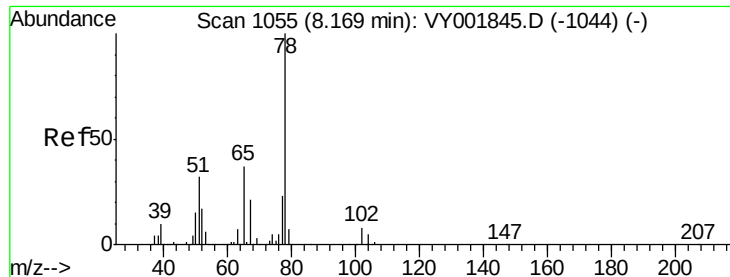


Abundance Ion 96.90 (96.60 to 97.60): VY0

Ion 98.90 (98.60 to 99.60): VY0

Ion 60.90 (60.60 to 61.60): VY0

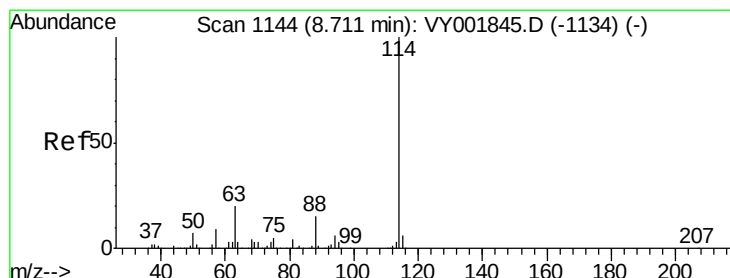
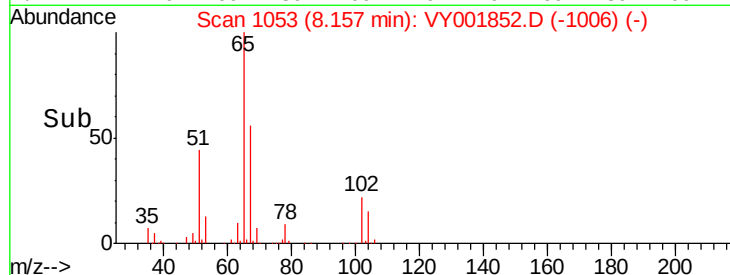
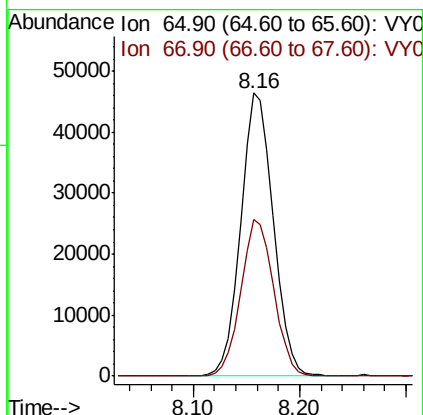
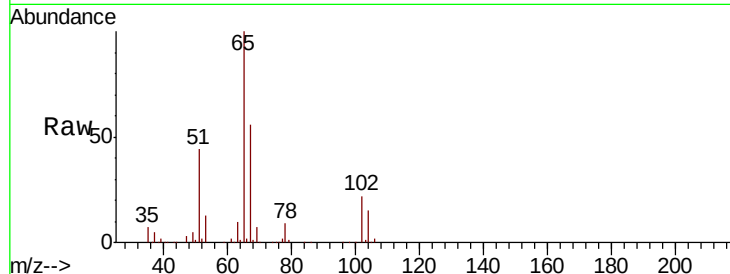




#33
 1,2-Dichloroethane-d4
 Concen: 51.518 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

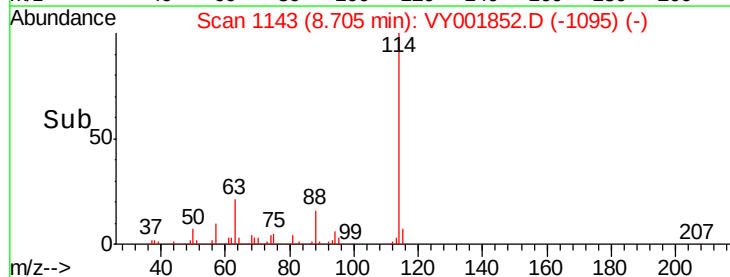
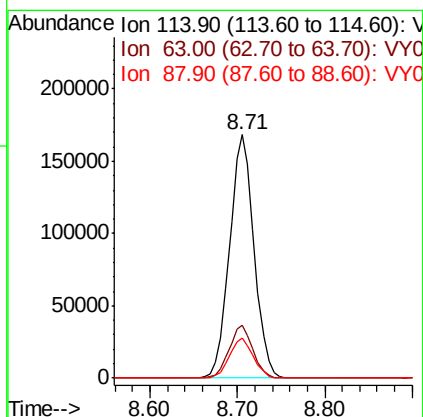
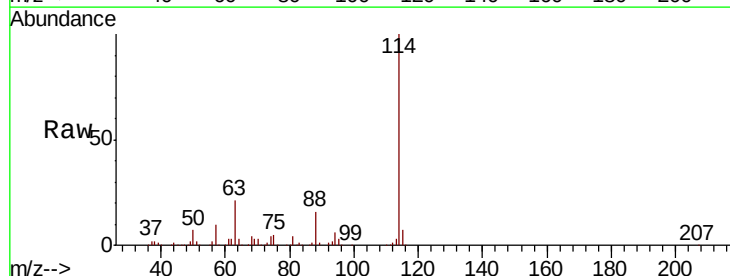
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

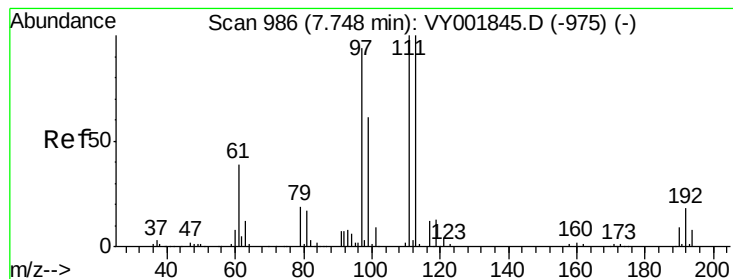
Tot Ion: 65 Resp: 99890
 Ion Ratio Lower Upper
 65 100
 67 55.9 0.0 110.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.71 min Scan# 1143
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion: 114 Resp: 324975
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 39.4
 88 16.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 51.533 ug/l

RT: 7.74 min Scan# 984

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

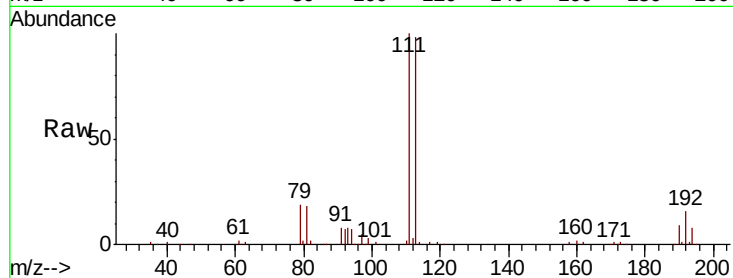
Tot Ion:113 Resp: 91445

Ion Ratio Lower Upper

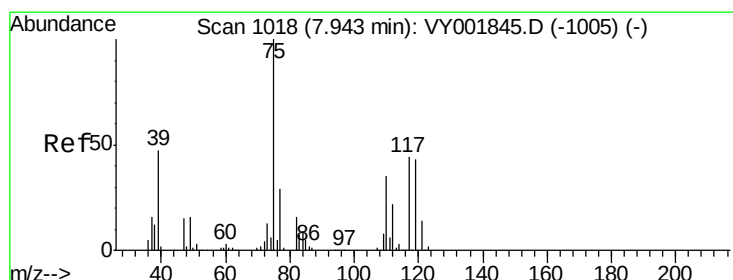
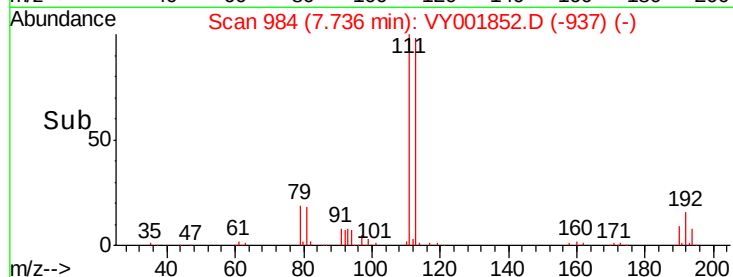
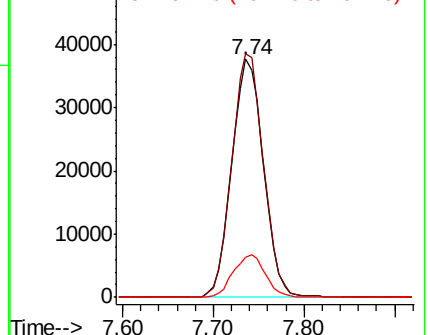
113 100

111 102.2 81.8 122.8

192 18.0 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: 2.588 ug/l

RT: 7.94 min Scan# 1017

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

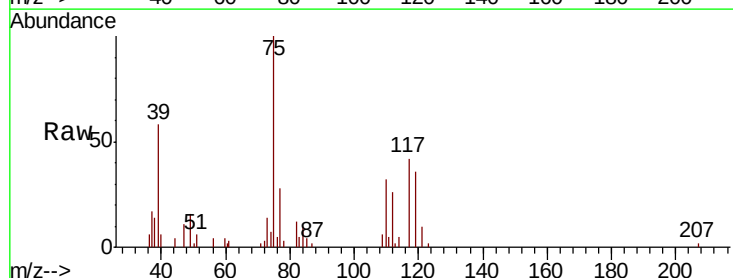
Tgt Ion: 75 Resp: 8093

Ion Ratio Lower Upper

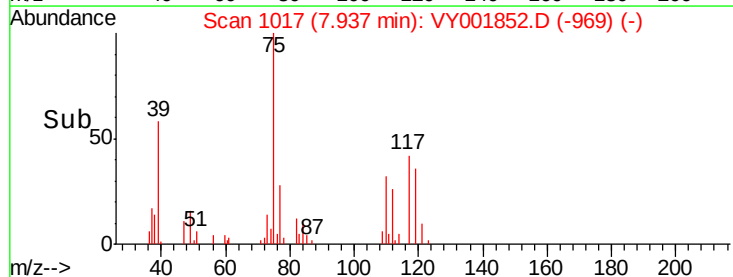
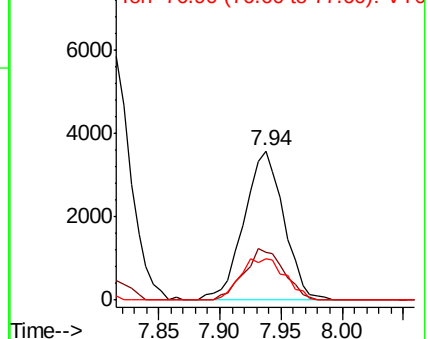
75 100

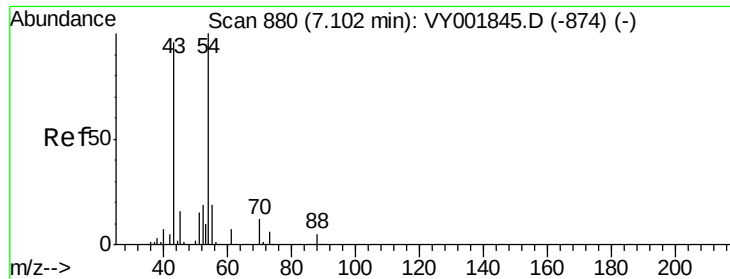
110 34.3 17.4 52.2

77 31.4 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

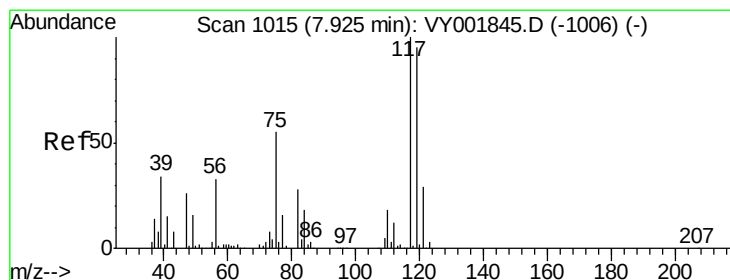
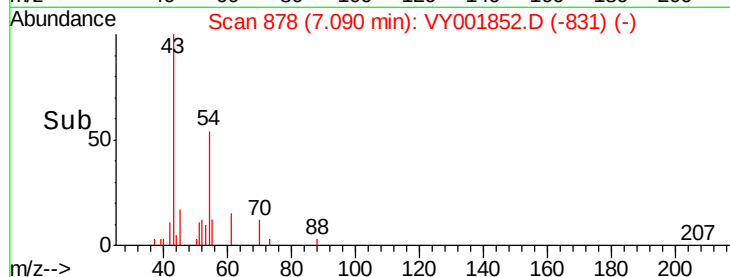
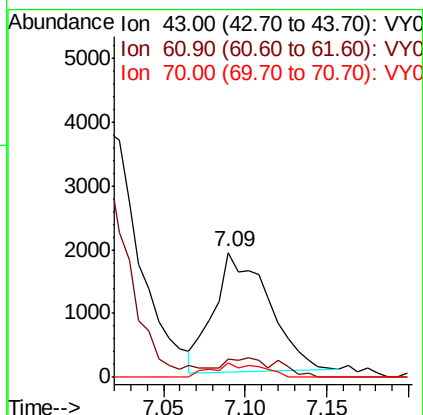
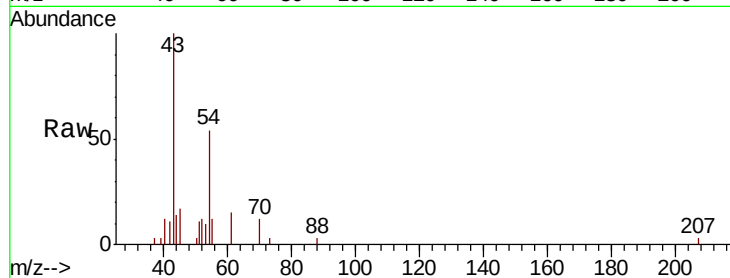




#37
Ethyl Acetate
Concen: 2.395 ug/l
RT: 7.09 min Scan# 878
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

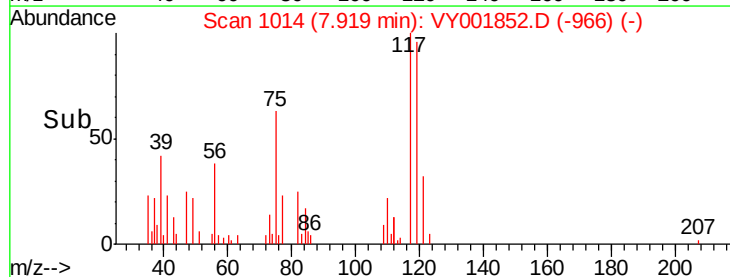
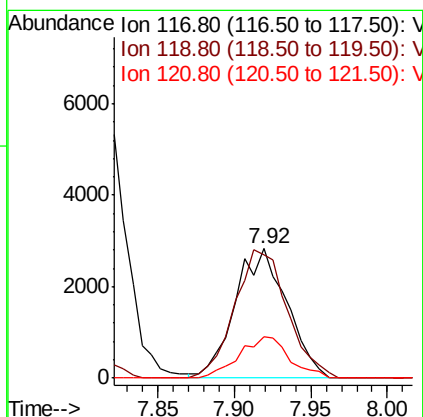
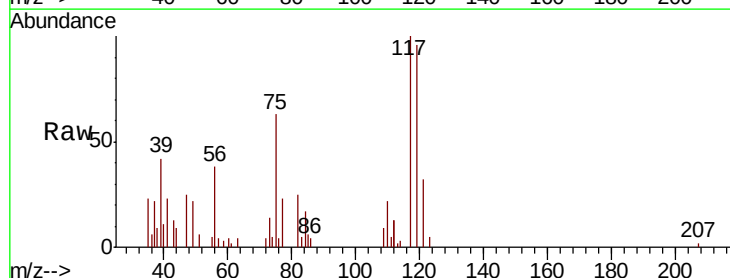
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

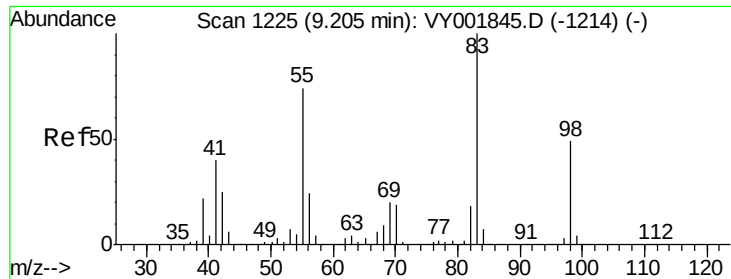
Tot Ion: 43 Resp: 4353
Ion Ratio Lower Upper
43 100
61 16.8 11.1 16.7#
70 10.8 8.2 12.4



#38
Carbon Tetrachloride
Concen: 2.502 ug/l
RT: 7.92 min Scan# 1014
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 117 Resp: 6685
Ion Ratio Lower Upper
117 100
119 95.8 76.3 114.5
121 31.7 23.5 35.3

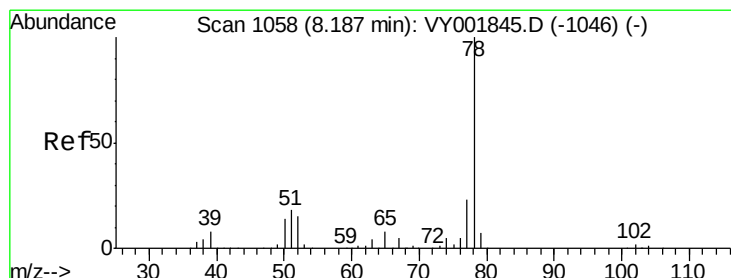
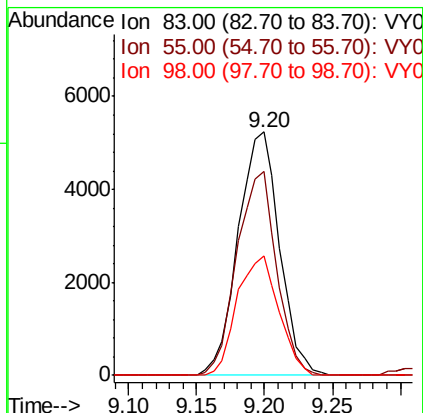
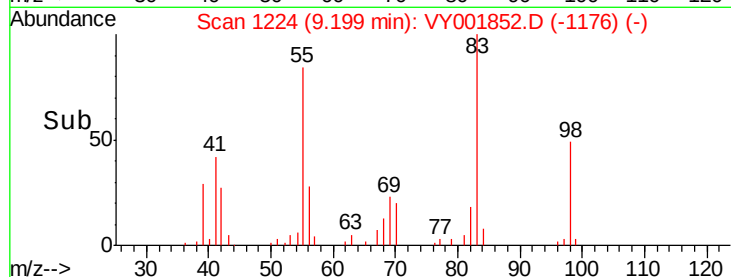
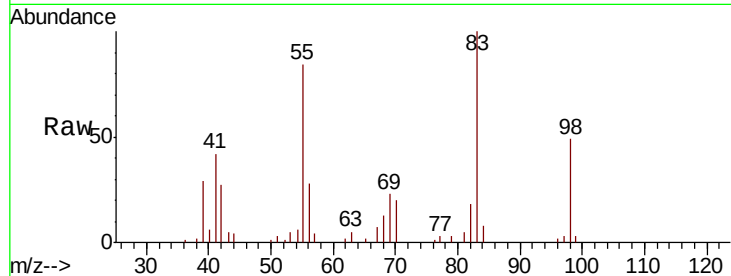




#39
Methylvlcyclohexane
Concen: 2.689 ug/l
RT: 9.20 min Scan# 1224
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

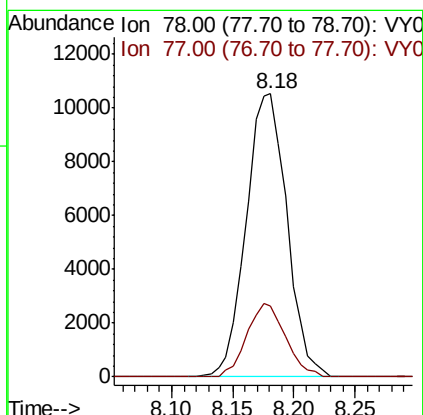
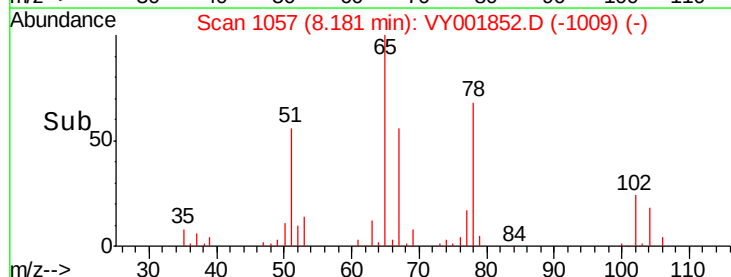
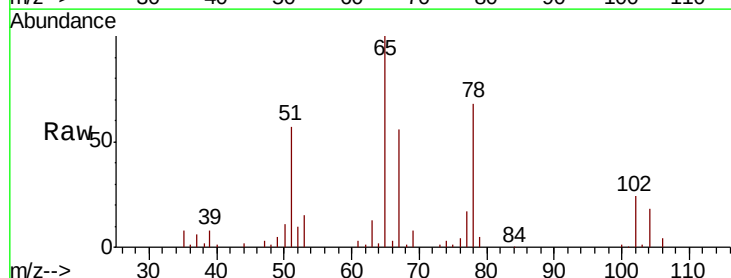
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

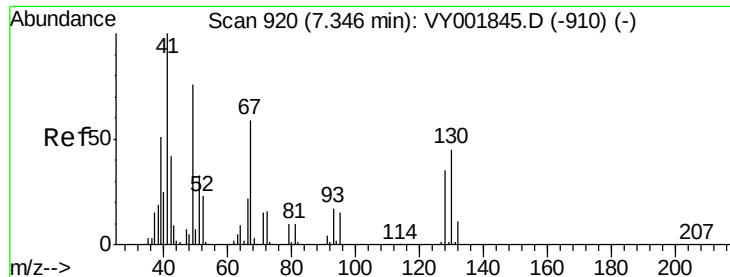
Tot Ion: 83 Resp: 11152
Ion Ratio Lower Upper
83 100
55 83.5 59.4 89.0
98 49.0 38.9 58.3



#40
Benzene
Concen: 2.634 ug/l
RT: 8.18 min Scan# 1057
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 78 Resp: 24415
Ion Ratio Lower Upper
78 100
77 25.2 18.7 28.1

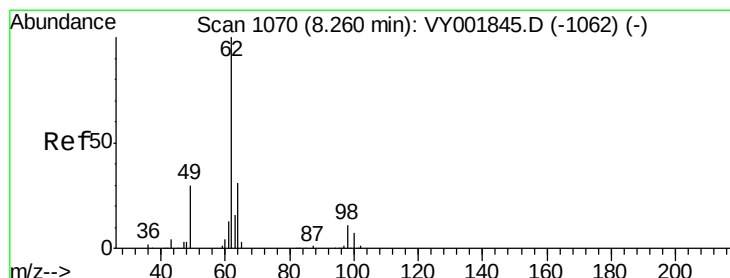
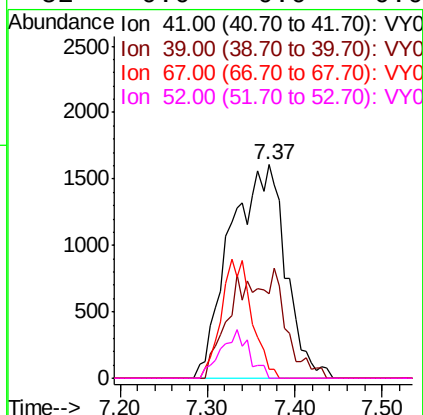
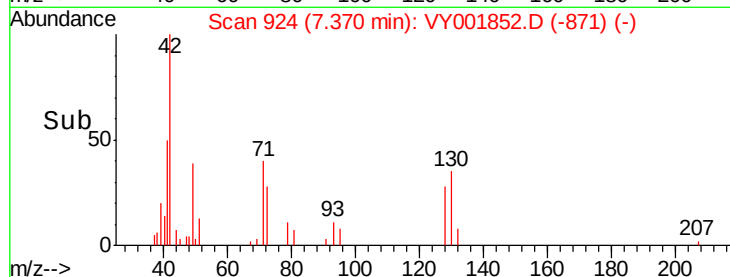
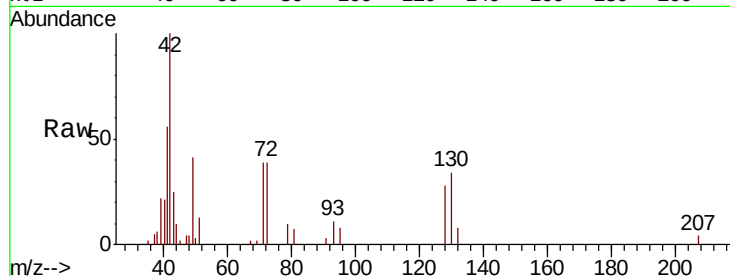




#41
Methacrylonitrile
Concen: 8.603 ug/l
RT: 7.37 min Scan# 924
Delta R.T. 0.03 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

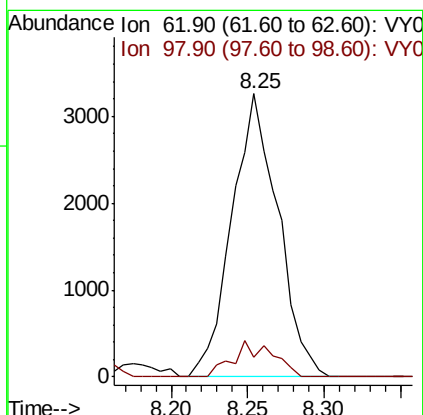
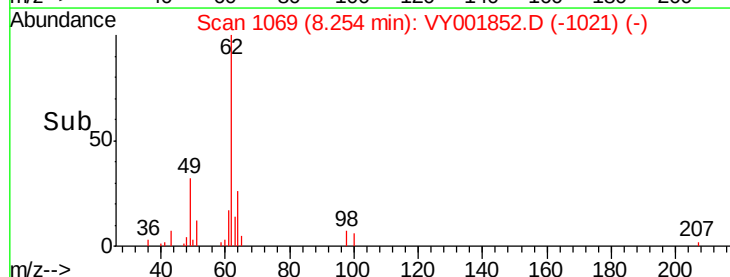
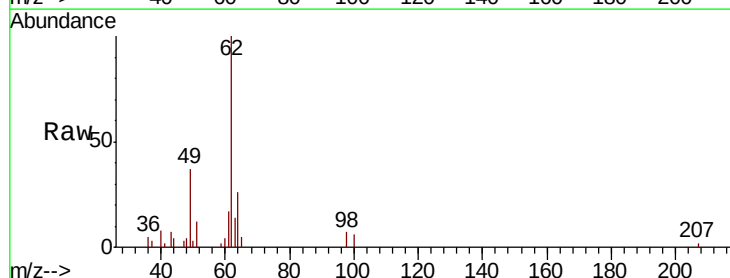
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

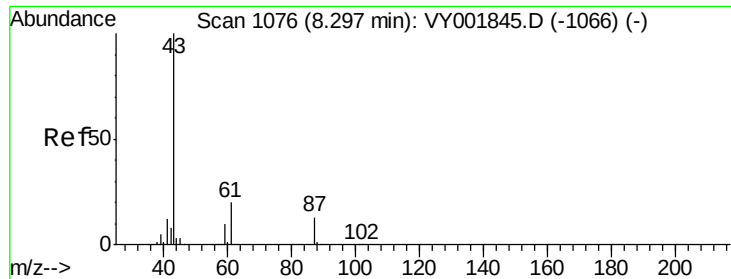
Tot Ion:	41	Resp:	7037
Ion	Ratio	Lower	Upper
41	100		
39	0.0	111.7	167.5#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 2.855 ug/l
RT: 8.25 min Scan# 1069
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion:	62	Resp:	6819
Ion	Ratio	Lower	Upper
62	100		
98	10.9	0.0	21.4





#43

Isopropyl Acetate

Concen: 2.668 ug/l

RT: 8.29 min Scan# 1075

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

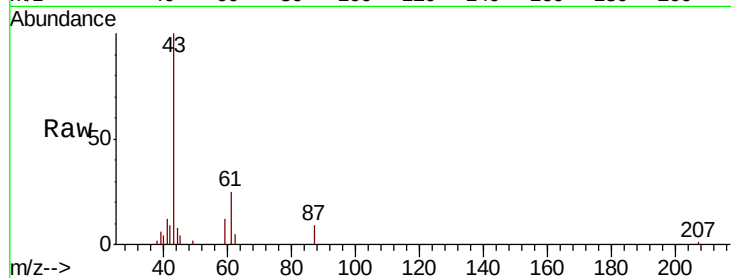
Tot Ion: 43 Resp: 9181

Ion Ratio Lower Upper

43 100

61 23.6 23.8 35.6#

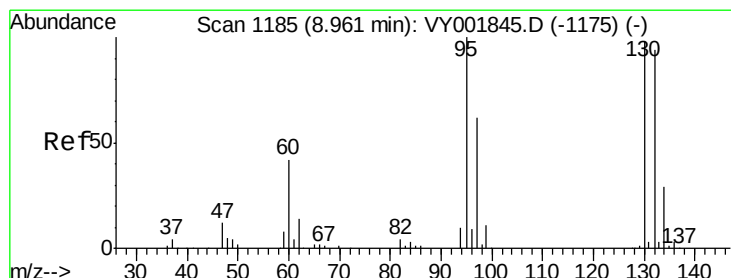
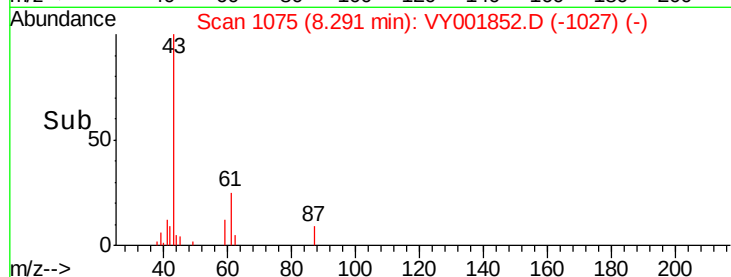
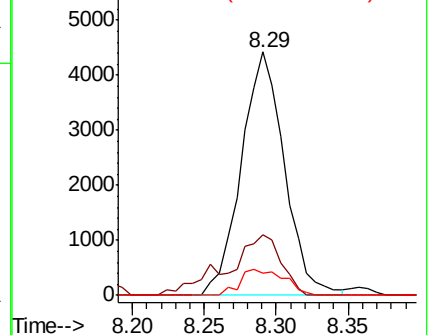
87 11.1 10.9 16.3



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) (-)



#44

Trichloroethene

Concen: 2.608 ug/l

RT: 8.96 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VY001852.D

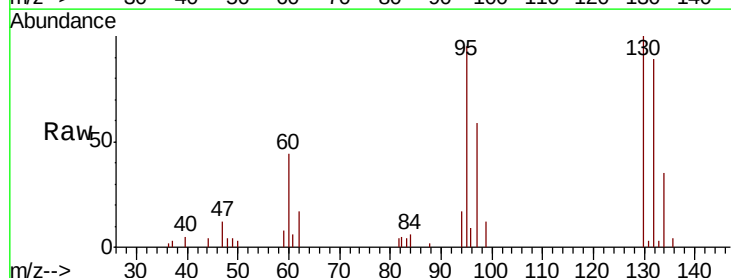
Acq: 04 Mar 2020 14:45

Tgt Ion:130 Resp: 5888

Ion Ratio Lower Upper

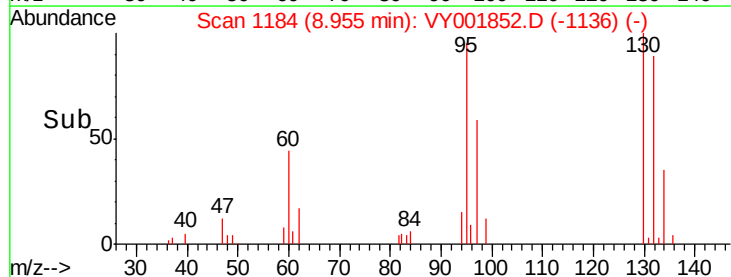
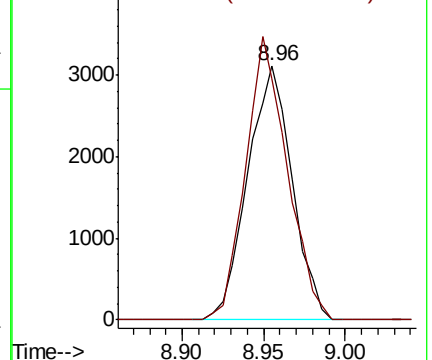
130 100

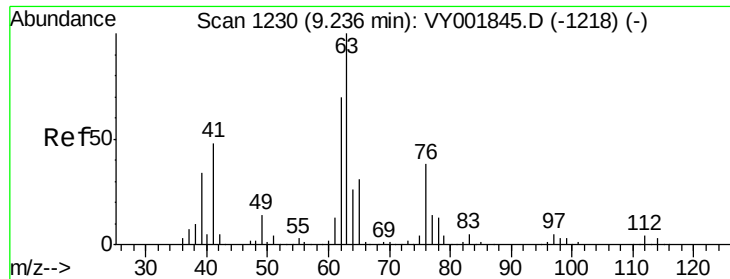
95 95.0 0.0 204.6



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

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

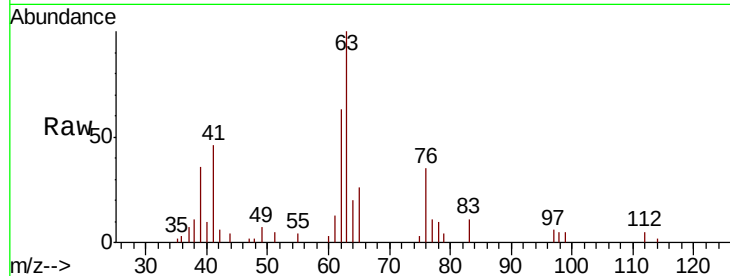




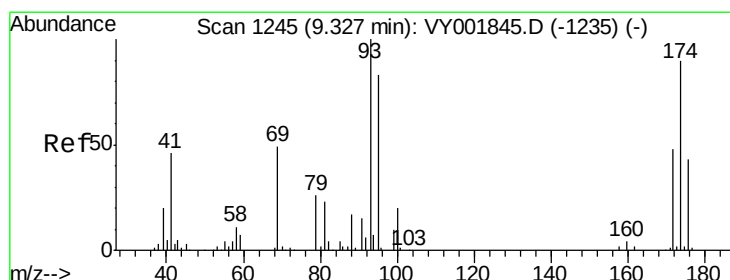
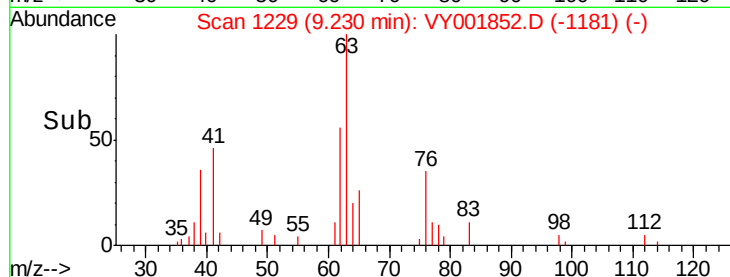
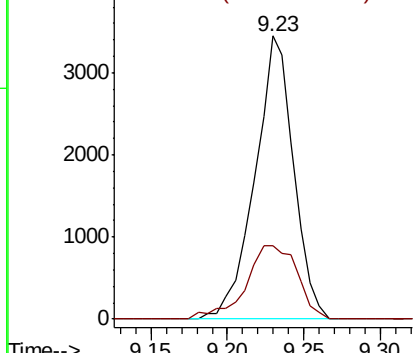
#45
 1,2-Dichloropropane
 Concen: 2.596 ug/l
 RT: 9.23 min Scan# 1229
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

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

Tot Ion: 63 Resp: 6049
 Ion Ratio Lower Upper
 63 100
 65 26.0 24.9 37.3

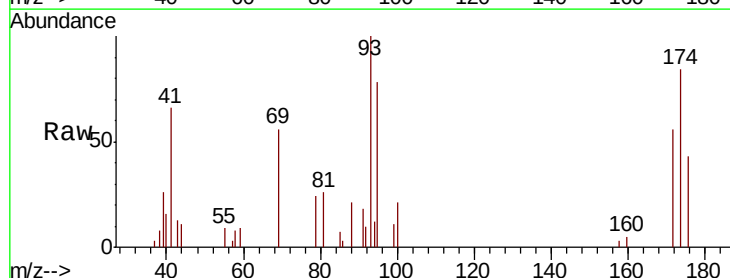


Abundance Ion 62.90 (62.60 to 63.60): VY0
 Ion 64.90 (64.60 to 65.60): VY0

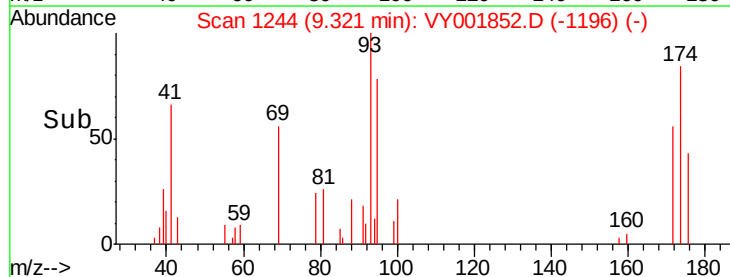
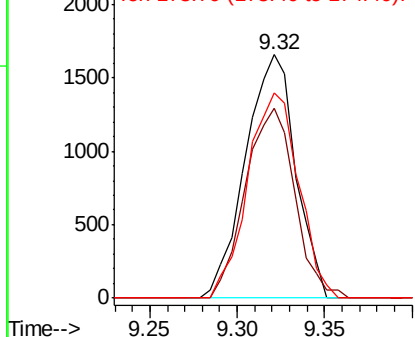


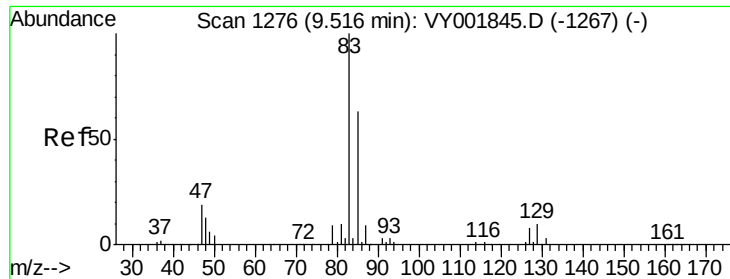
#46
 Dibromomethane
 Concen: 2.749 ug/l
 RT: 9.32 min Scan# 1244
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion: 93 Resp: 3301
 Ion Ratio Lower Upper
 93 100
 95 76.9 67.0 100.4
 174 85.6 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

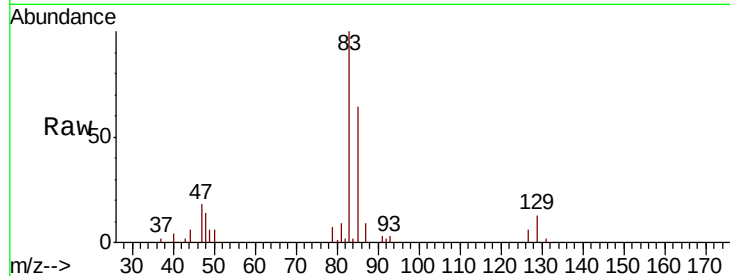




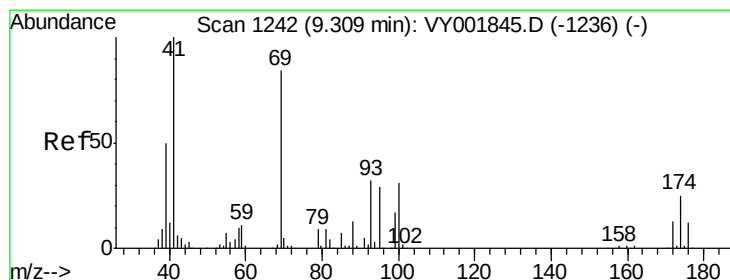
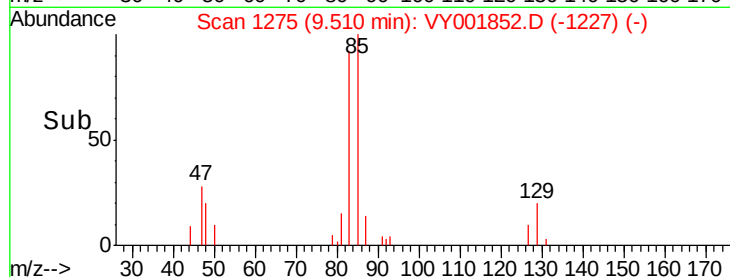
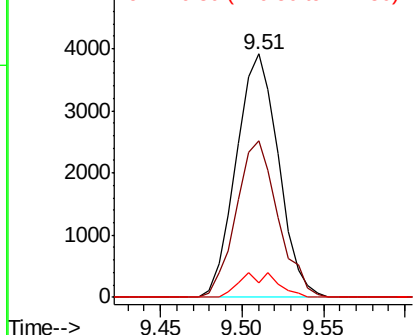
#47
Bromodichloromethane
Concen: 2.530 ug/l
RT: 9.51 min Scan# 1275
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion: 83 Resp: 7067
Ion Ratio Lower Upper
83 100
85 64.1 50.6 76.0
127 6.2 6.2 9.4#

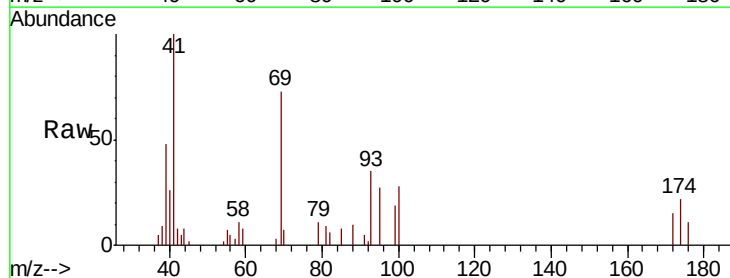


Abundance Ion 82.90 (82.60 to 83.60): VY0
Ion 84.90 (84.60 to 85.60): VY0
Ion 126.80 (126.50 to 127.50): VY0

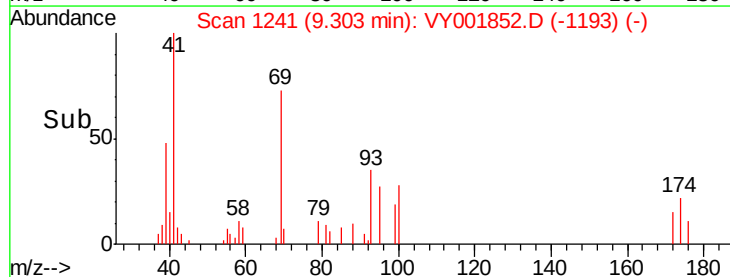
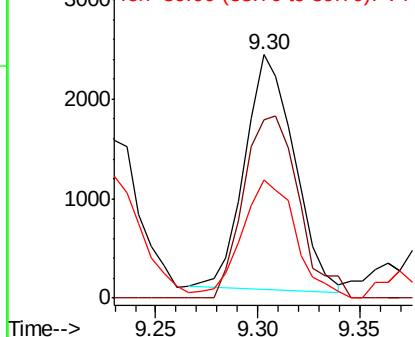


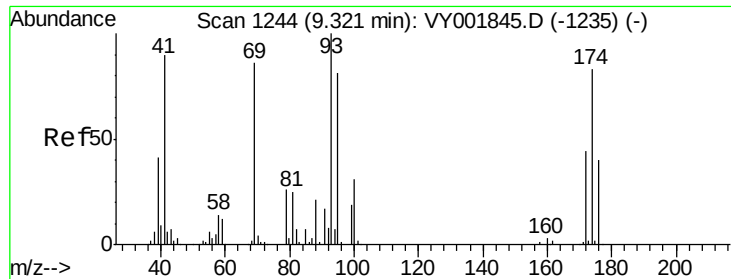
#48
Methyl methacrylate
Concen: 2.600 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 41 Resp: 3970
Ion Ratio Lower Upper
41 100
69 86.6 69.0 103.6
39 55.3 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: 55.429 ug/l

RT: 9.31 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

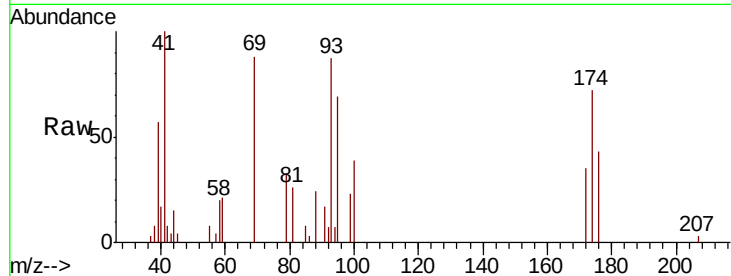
Tot Ion: 88 Resp: 912

Ion Ratio Lower Upper

88 100

43 23.5 25.0 37.6#

58 85.2 58.9 88.3

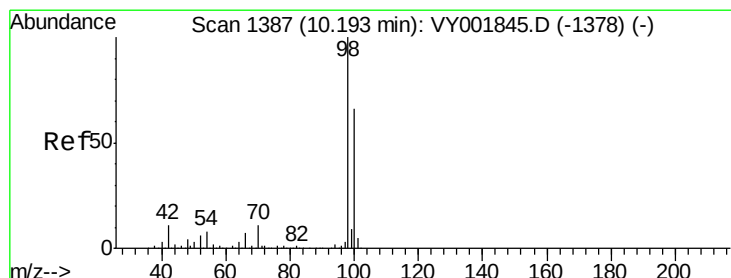
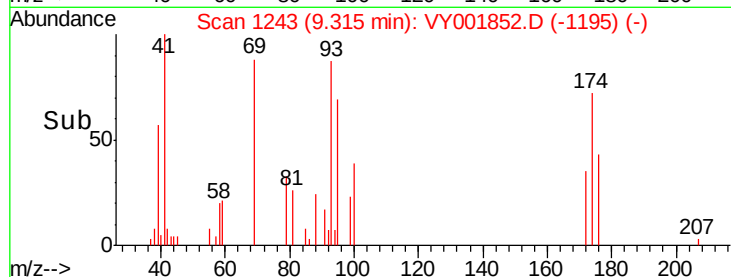
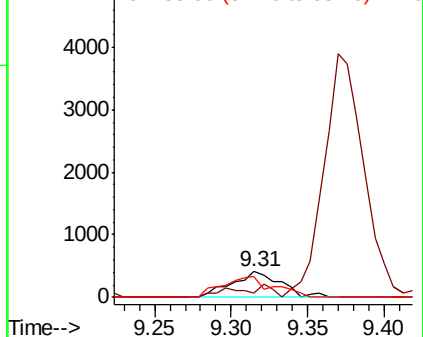


Abundance

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: 51.057 ug/l

RT: 10.19 min Scan# 1387

Delta R.T. 0.00 min

Lab File: VY001852.D

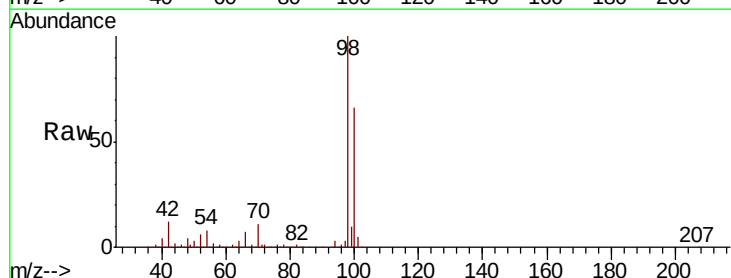
Acq: 04 Mar 2020 14:45

Tgt Ion: 98 Resp: 382047

Ion Ratio Lower Upper

98 100

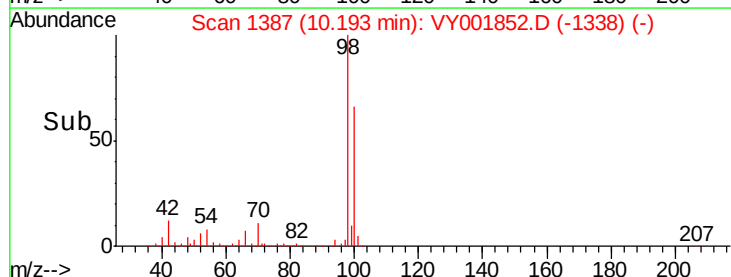
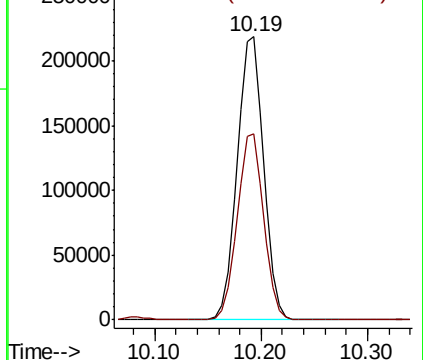
100 65.6 53.0 79.4

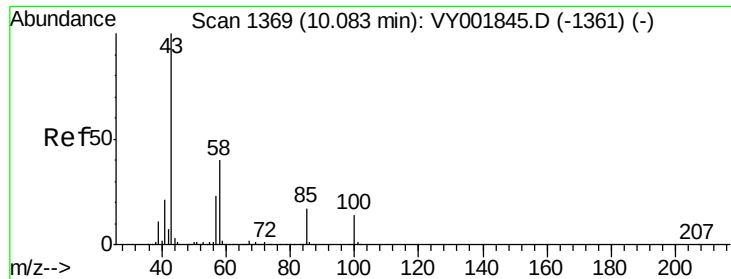


Abundance

Ion 98.00 (97.70 to 98.70): VY0

Ion 100.00 (99.70 to 100.70): VY0

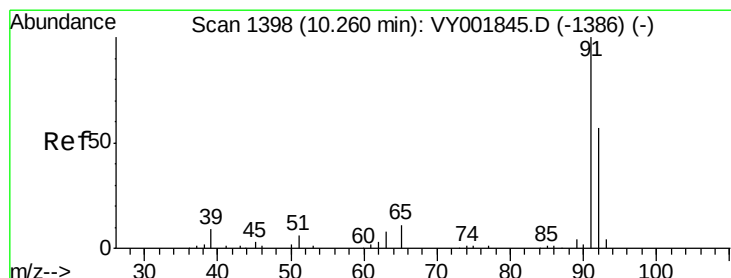
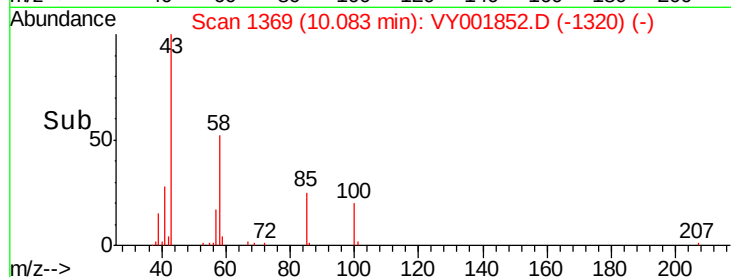
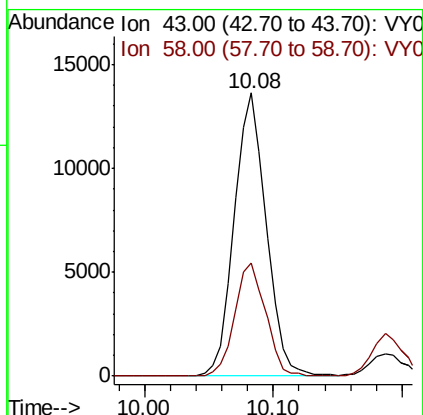
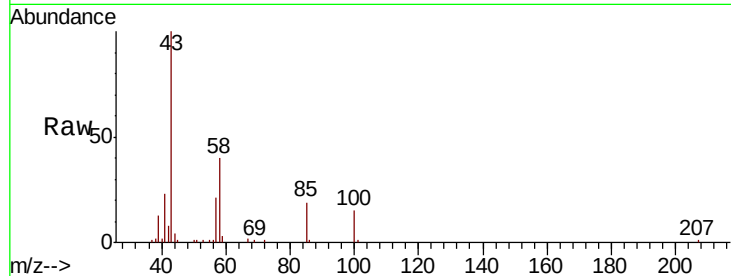




#51
4-Methyl-2-Pentanone
Concen: 13.256 ug/l
RT: 10.08 min Scan# 1369
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

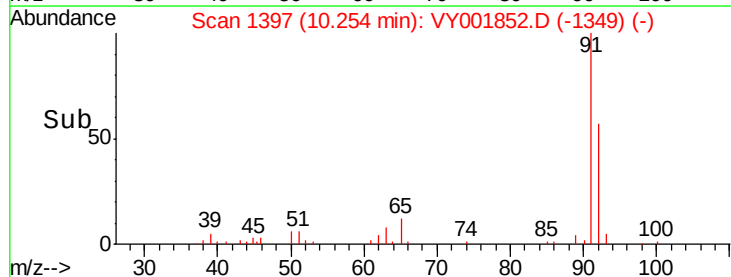
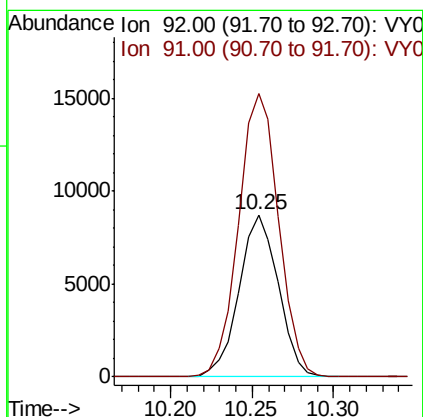
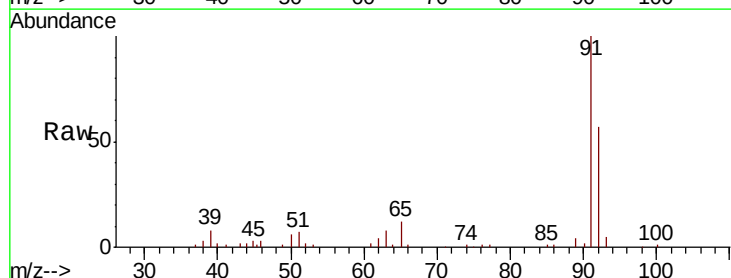
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

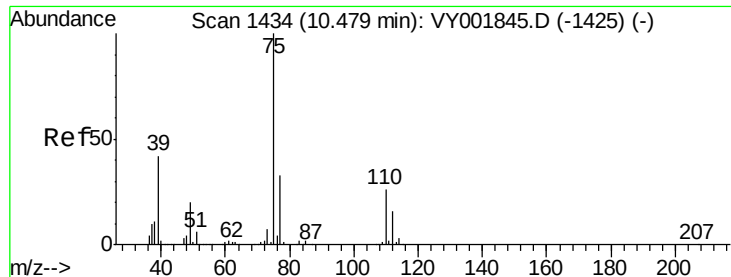
Tot Ion: 43 Resp: 23496
Ion Ratio Lower Upper
43 100
58 38.5 32.0 48.0



#52
Toluene
Concen: 2.593 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 92 Resp: 14599
Ion Ratio Lower Upper
92 100
91 178.8 138.6 208.0





#53

t-1,3-Dichloropropene

Concen: 2.509 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

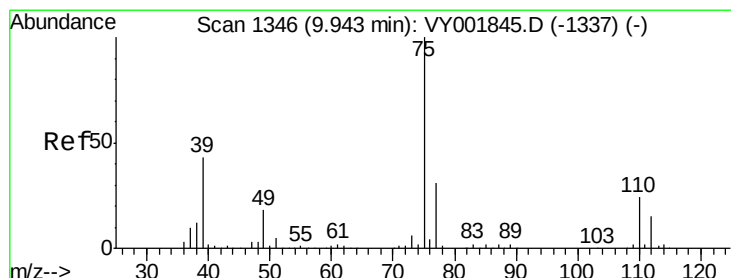
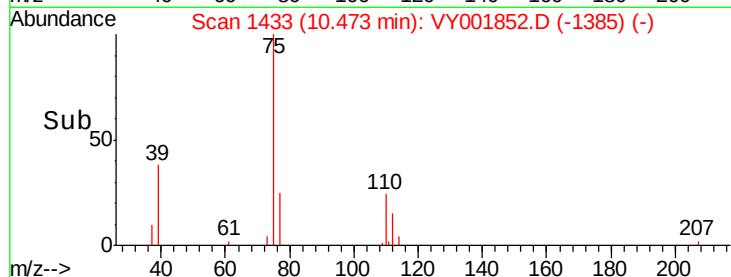
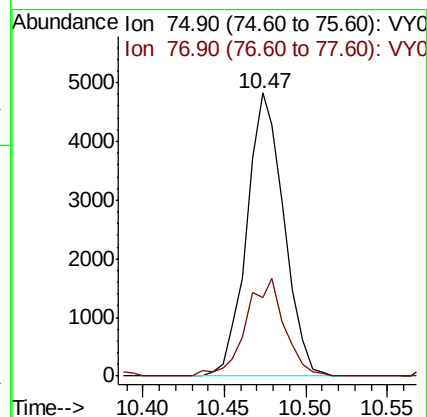
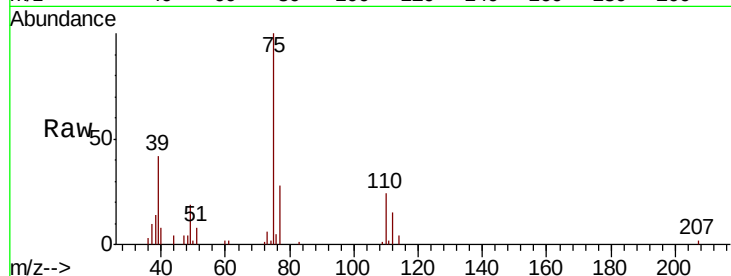
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 75 Resp: 7635

Ion Ratio Lower Upper

75 100

77 27.7 26.3 39.5



#54

cis-1,3-Dichloropropene

Concen: 2.576 ug/l

RT: 9.94 min Scan# 1346

Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

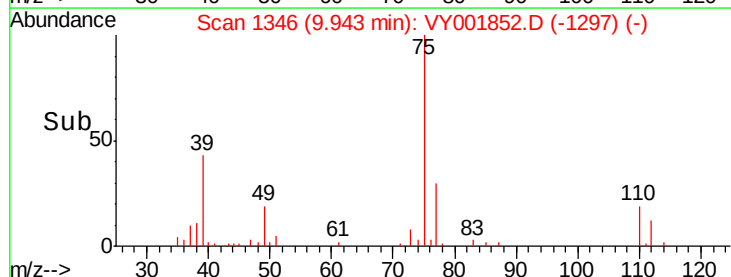
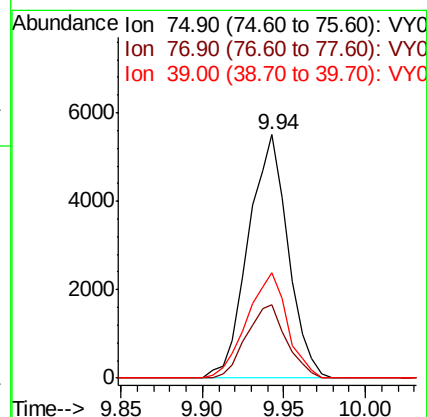
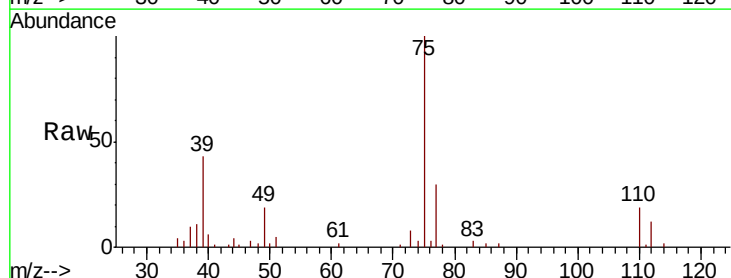
Tgt Ion: 75 Resp: 9333

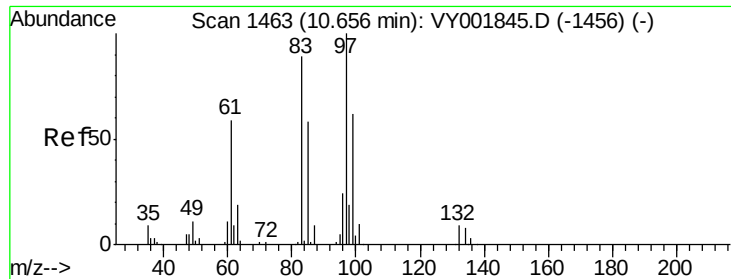
Ion Ratio Lower Upper

75 100

77 30.3 25.1 37.7

39 43.1 34.7 52.1





#55

1,1,2-Trichloroethane

Concen: 2.631 ug/l

RT: 10.66 min Scan# 1463

Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 97 Resp: 4623

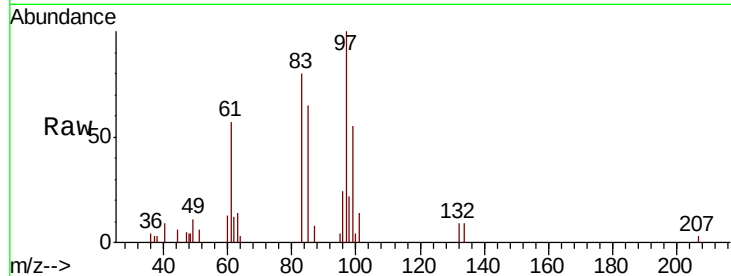
Ion Ratio Lower Upper

97 100

83 79.5 71.6 107.4

85 65.4 46.6 69.8

99 55.4 49.8 74.6

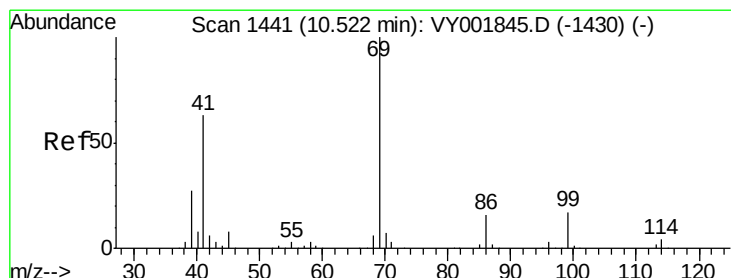
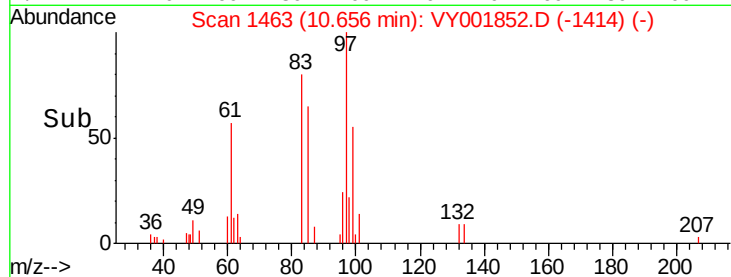
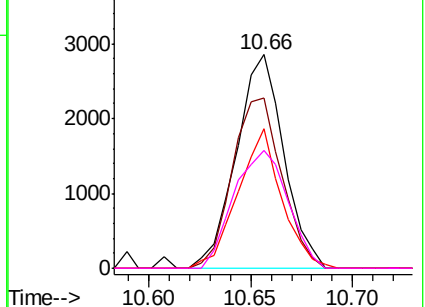


Abundance Ion 96.90 (96.60 to 97.60): VY0

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: 2.508 ug/l

RT: 10.52 min Scan# 1441

Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

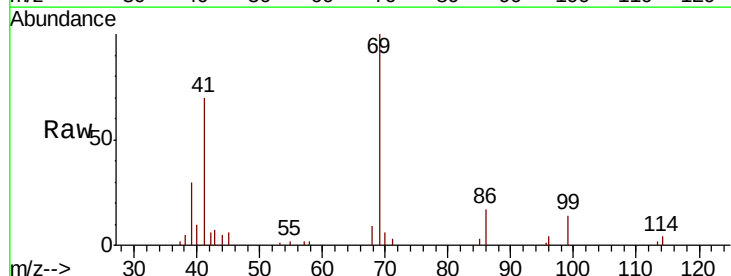
Tgt Ion: 69 Resp: 6460

Ion Ratio Lower Upper

69 100

41 71.4 49.9 74.9

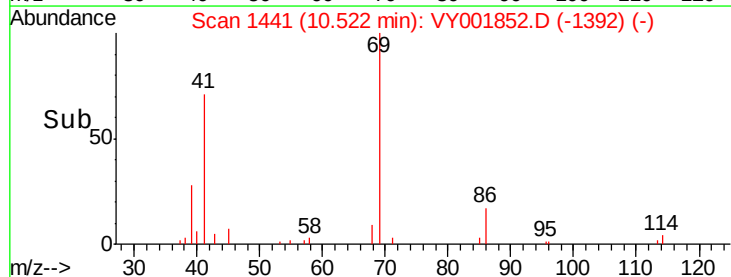
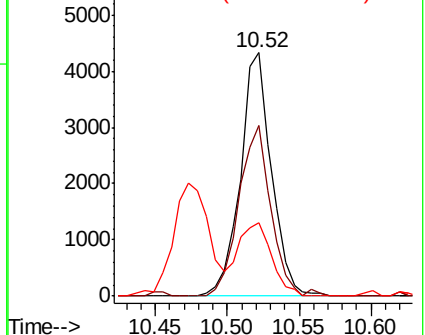
39 32.9 23.0 34.6

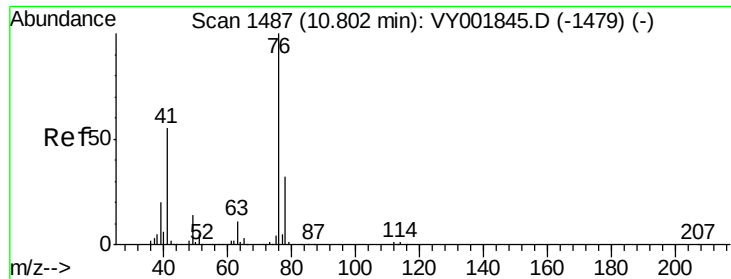


Abundance Ion 69.00 (68.70 to 69.70): VY0

Ion 41.00 (40.70 to 41.70): VY0

Ion 39.00 (38.70 to 39.70): VY0

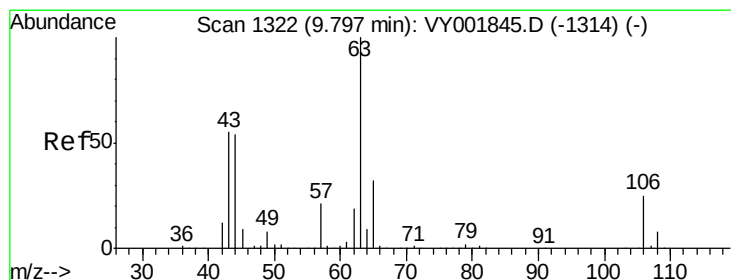
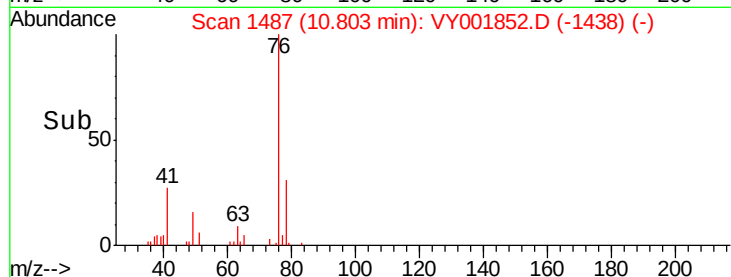
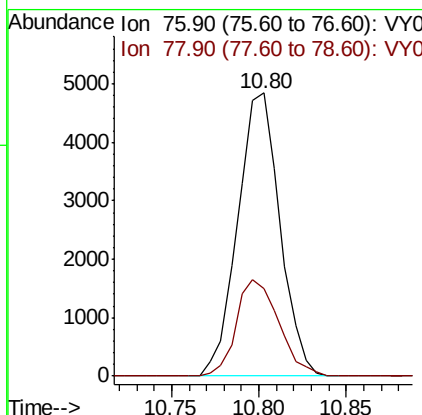
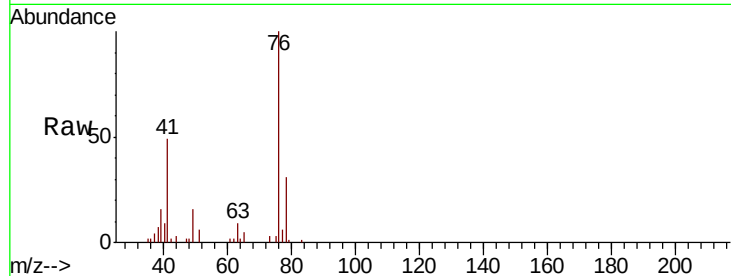




#57
 1,3-Dichloropropane
 Concen: 2.598 ug/l
 RT: 10.80 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

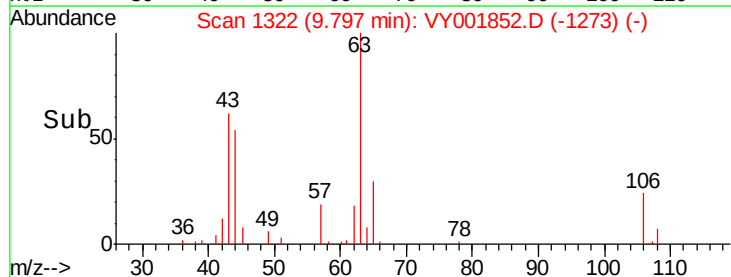
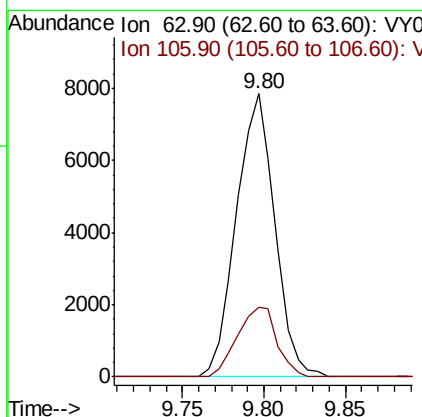
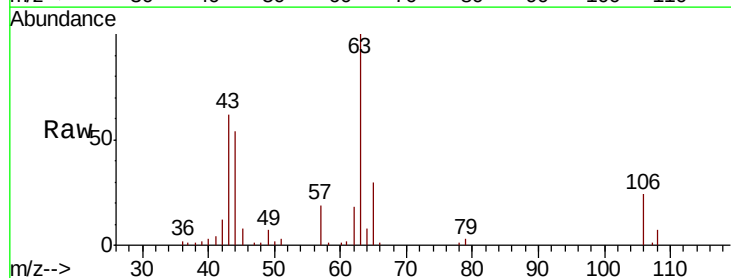
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

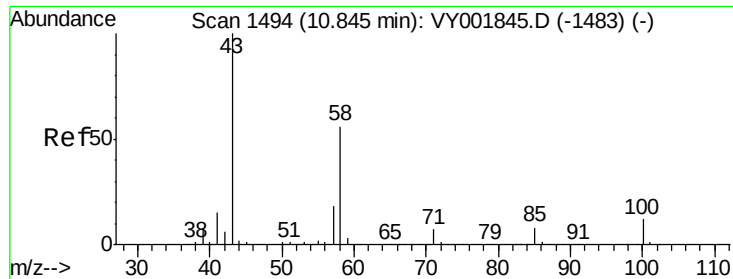
Tot Ion: 76 Resp: 8137
 Ion Ratio Lower Upper
 76 100
 78 34.2 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 12.614 ug/l
 RT: 9.80 min Scan# 1322
 Delta R.T. 0.00 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion: 63 Resp: 12883
 Ion Ratio Lower Upper
 63 100
 106 25.4 21.3 31.9

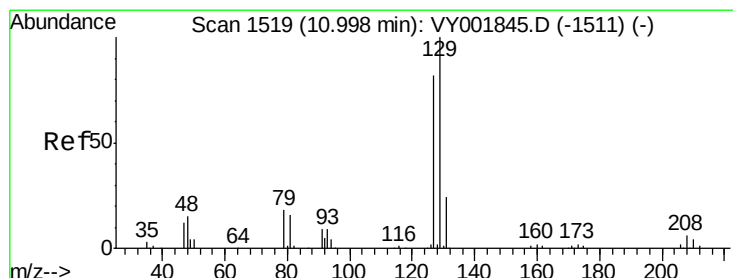
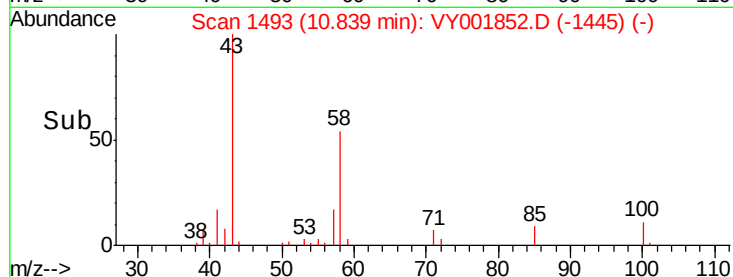
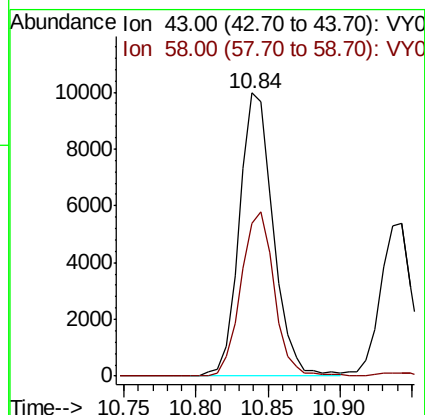
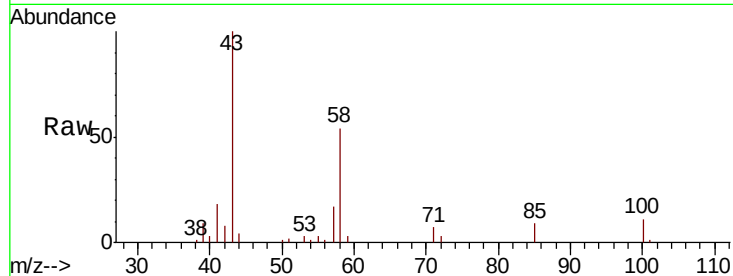




#59
2-Hexanone
Concen: 12.859 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

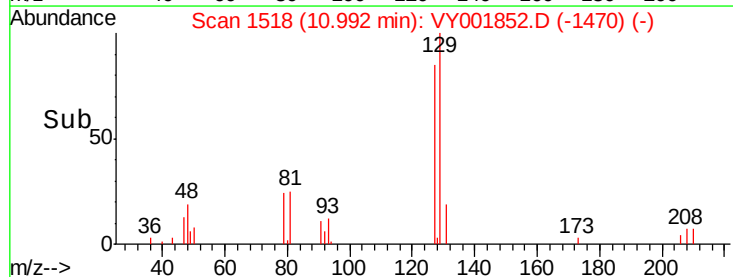
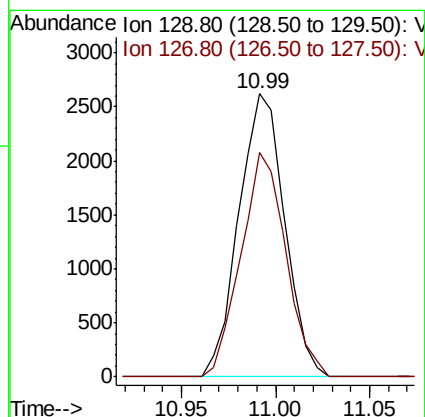
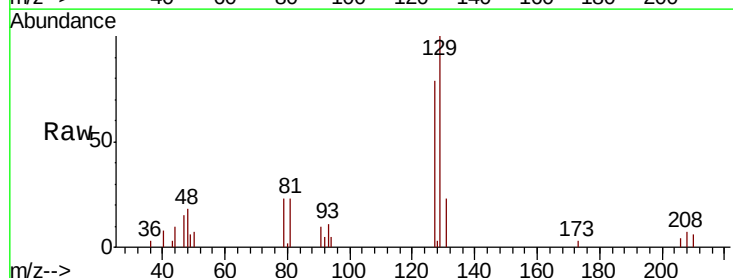
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

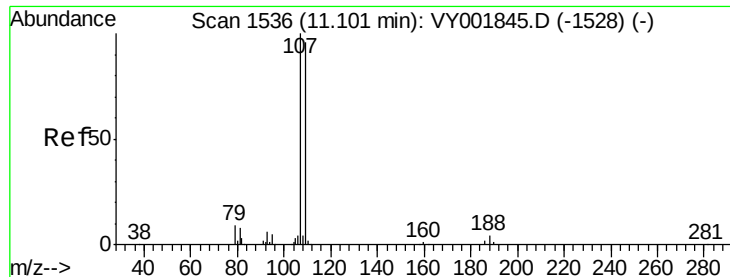
Tot Ion: 43 Resp: 16268
Ion Ratio Lower Upper
43 100
58 56.9 28.1 84.3



#60
Dibromochloromethane
Concen: 2.379 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 129 Resp: 4406
Ion Ratio Lower Upper
129 100
127 78.1 39.0 117.0

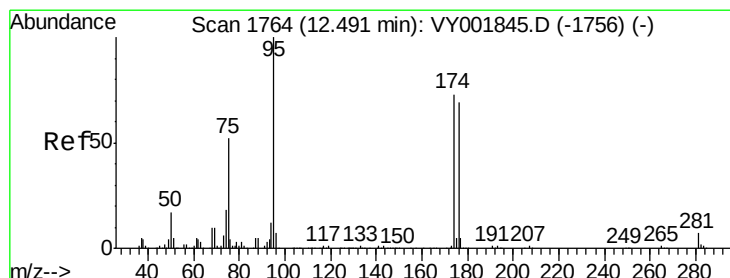
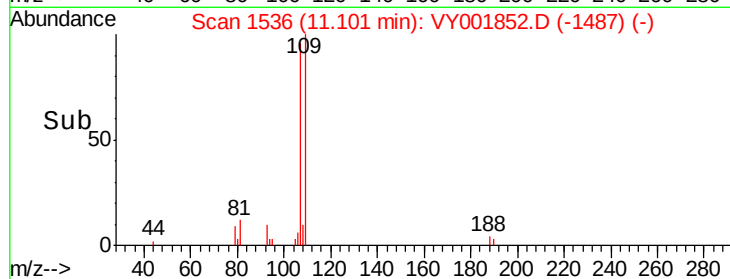
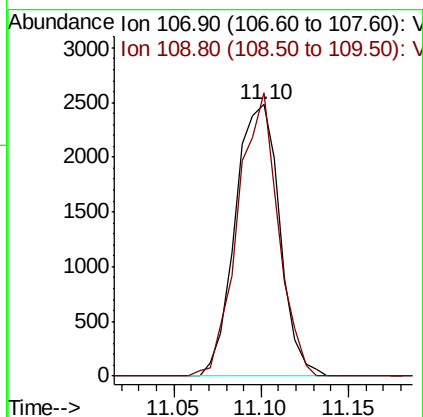
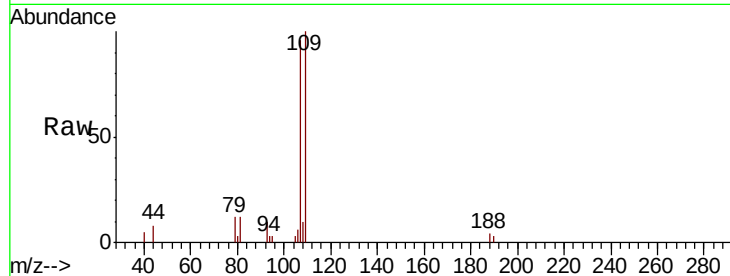




#61
1,2-Dibromoethane
Concen: 2.640 ug/l
RT: 11.10 min Scan# 1536
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

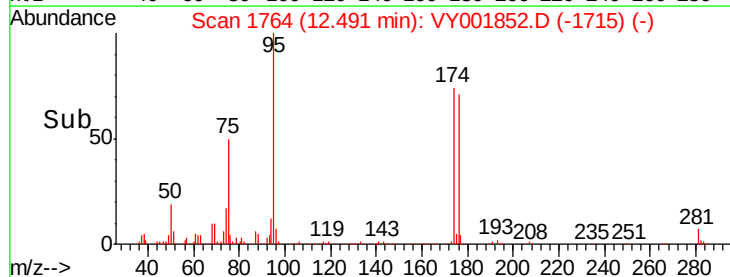
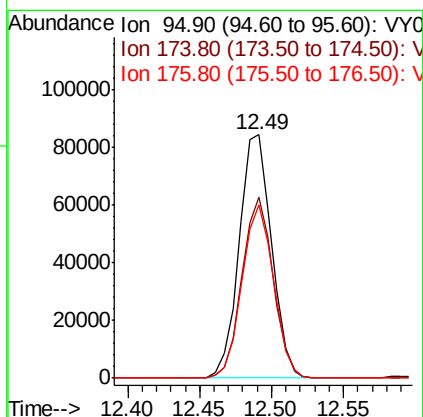
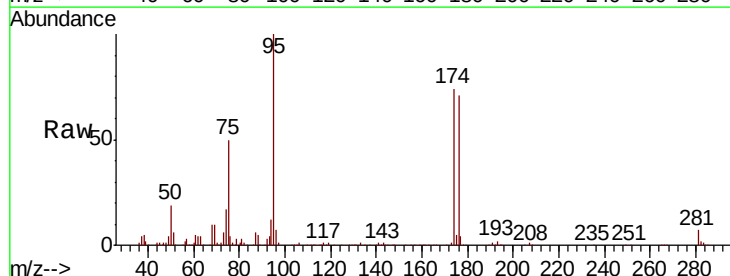
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

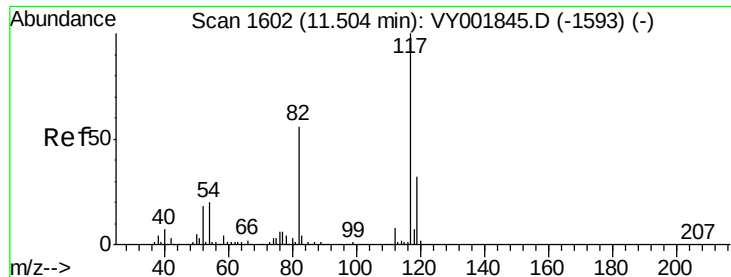
Tot Ion: 107 Resp: 4395
Ion Ratio Lower Upper
107 100
109 94.6 75.4 113.0



#62
4-Bromofluorobenzene
Concen: 50.418 ug/l
RT: 12.49 min Scan# 1764
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 95 Resp: 131182
Ion Ratio Lower Upper
95 100
174 71.3 0.0 145.0
176 69.3 0.0 137.4

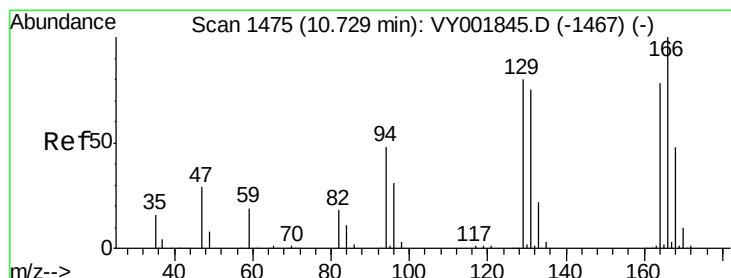
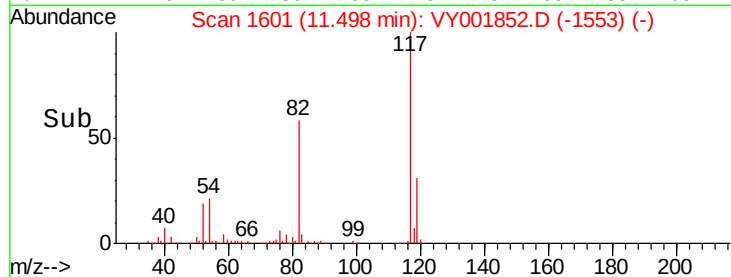
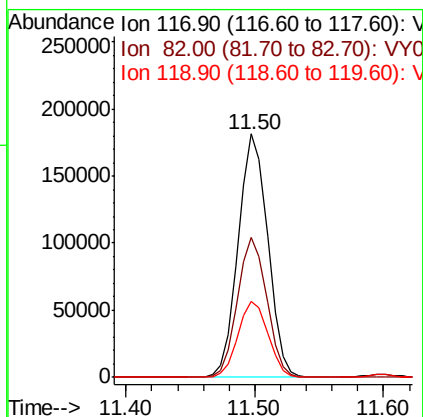
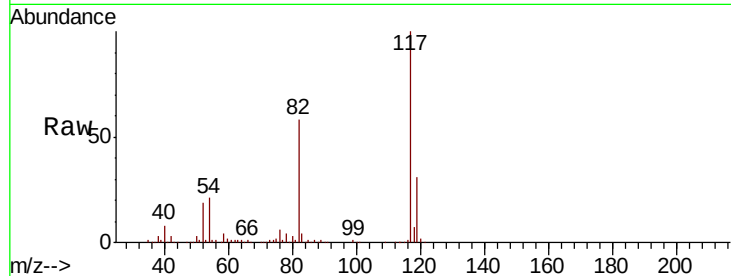




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

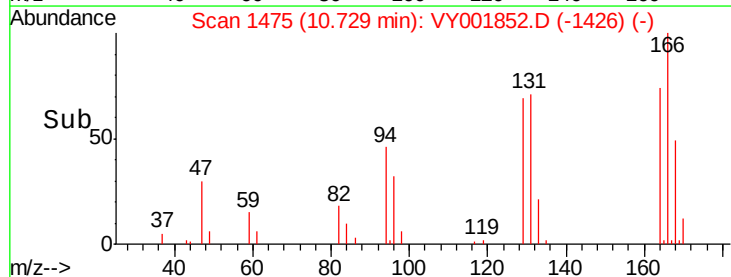
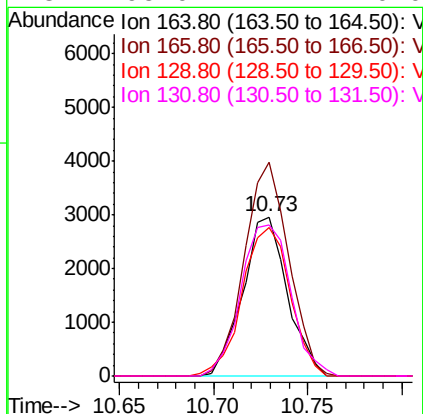
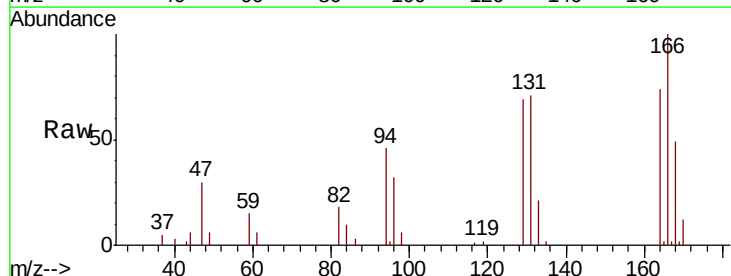
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

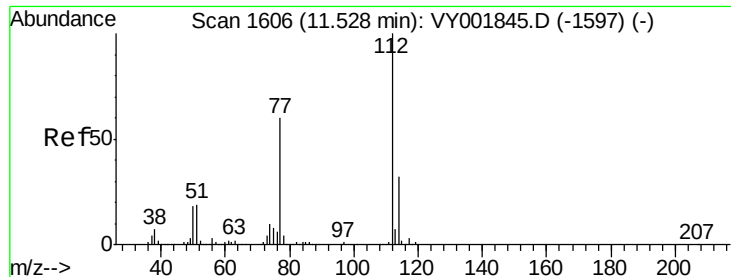
Tot Ion:117 Resp: 287675
Ion Ratio Lower Upper
117 100
82 57.5 44.5 66.7
119 31.3 25.7 38.5



#64
Tetrachloroethene
Concen: 2.697 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion:164 Resp: 4865
Ion Ratio Lower Upper
164 100
166 134.2 102.6 154.0
129 93.2 82.3 123.5
131 95.0 77.4 116.0





#65

Chlorobenzene

Concen: 2.704 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

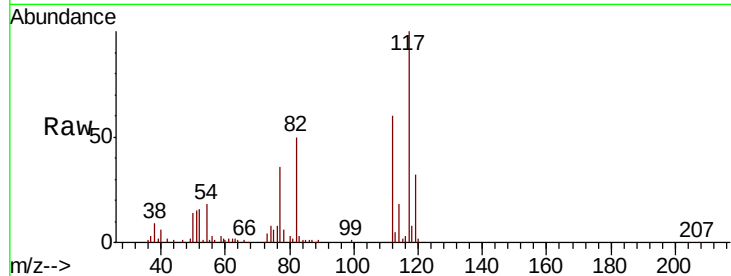
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:112 Resp: 15501

Ion Ratio Lower Upper

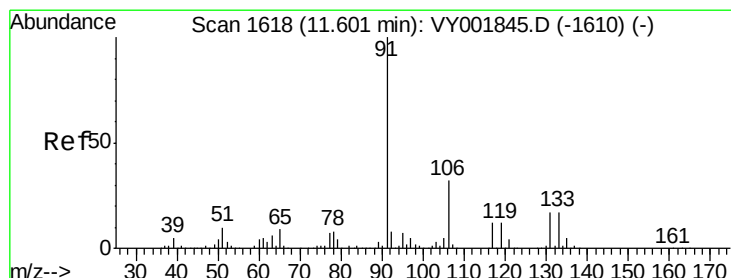
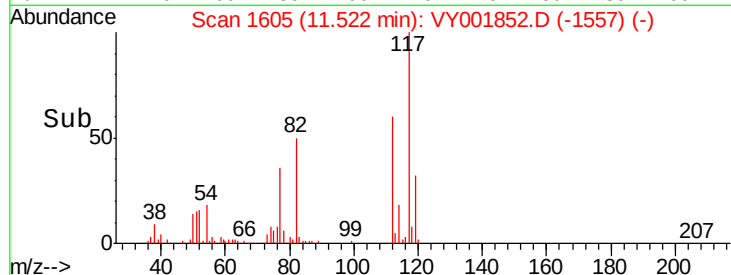
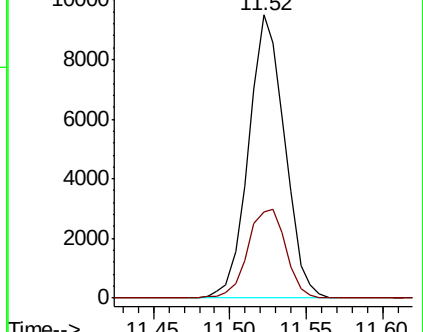
112 100

114 30.4 25.9 38.9



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 2.584 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

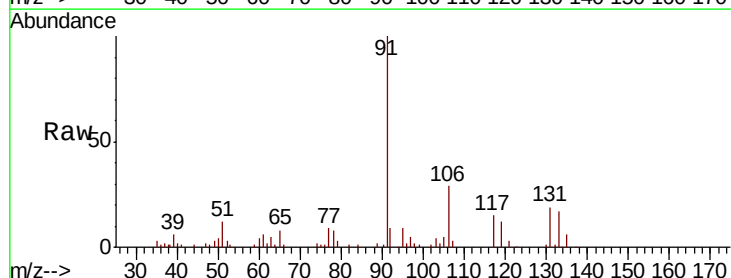
Tgt Ion:131 Resp: 4857

Ion Ratio Lower Upper

131 100

133 95.3 47.1 141.3

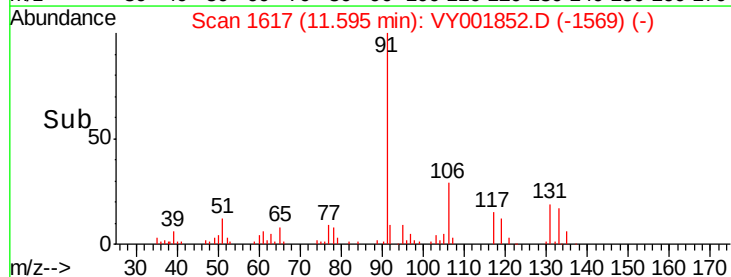
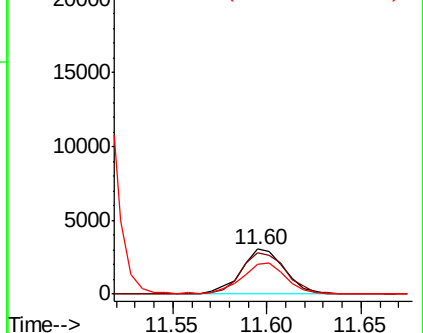
119 70.8 34.5 103.6

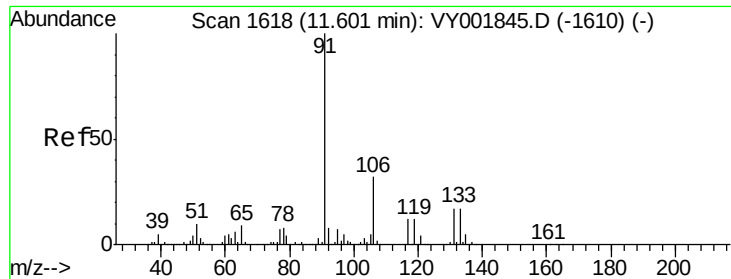


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 2.730 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

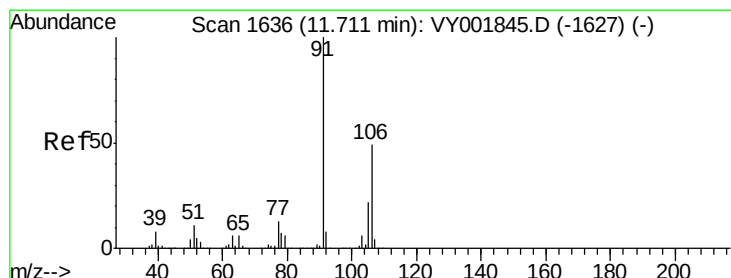
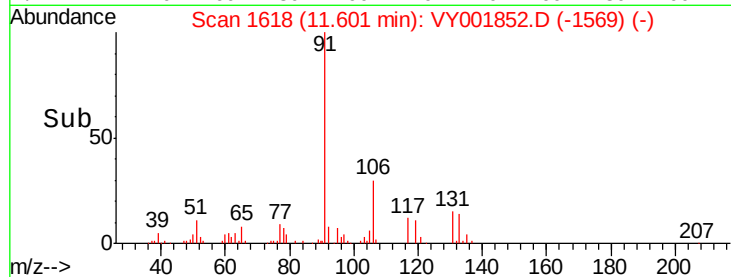
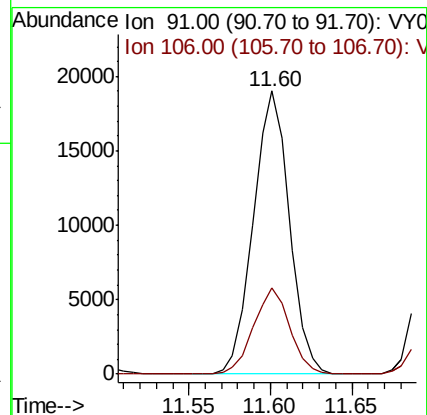
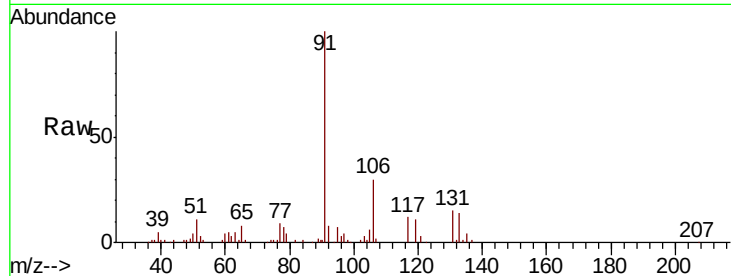
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 91 Resp: 29187

Ion Ratio Lower Upper

91 100

106 30.3 25.4 38.2



#68

m/p-Xylenes

Concen: 5.358 ug/l

RT: 11.71 min Scan# 1636

Delta R.T. 0.00 min

Lab File: VY001852.D

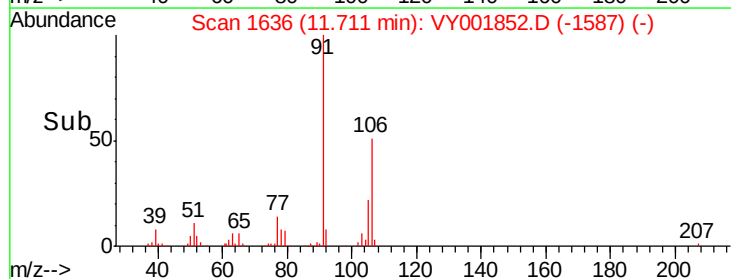
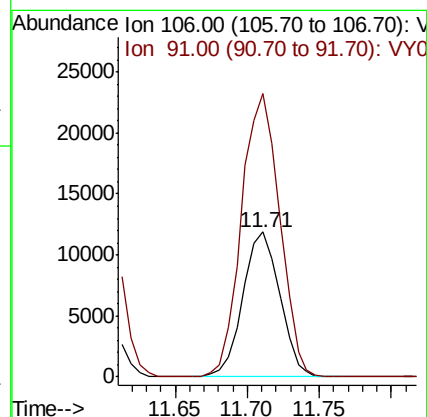
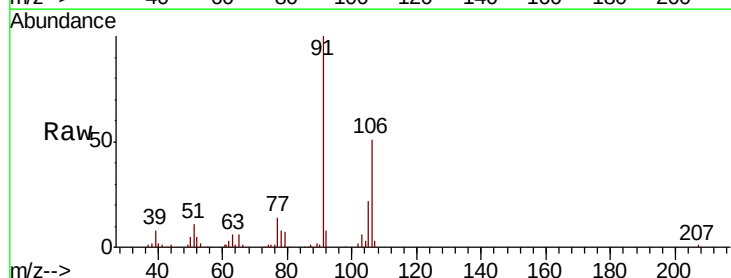
Acq: 04 Mar 2020 14:45

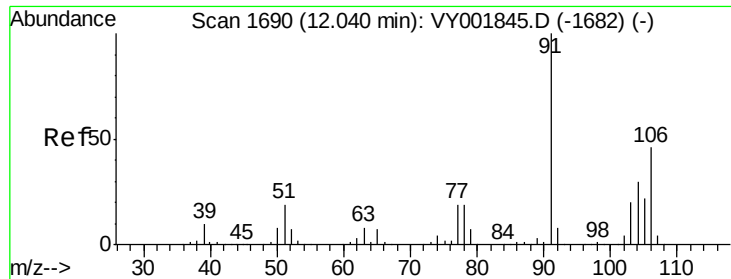
Tgt Ion: 106 Resp: 21175

Ion Ratio Lower Upper

106 100

91 201.9 161.3 241.9

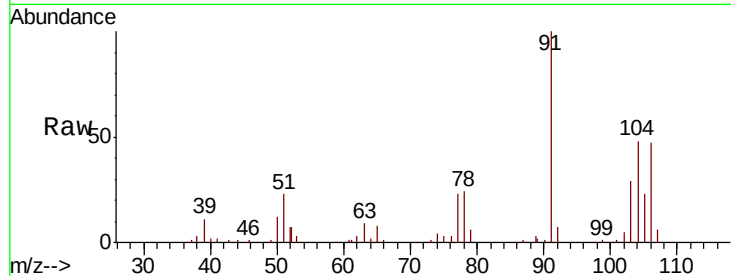




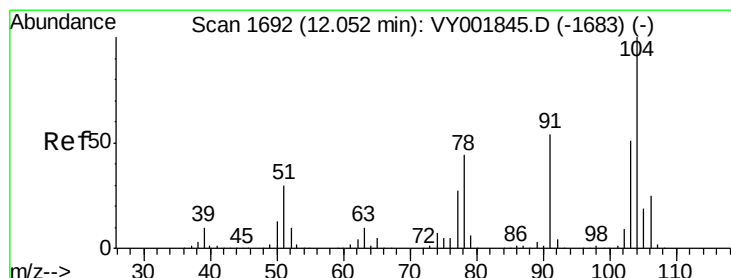
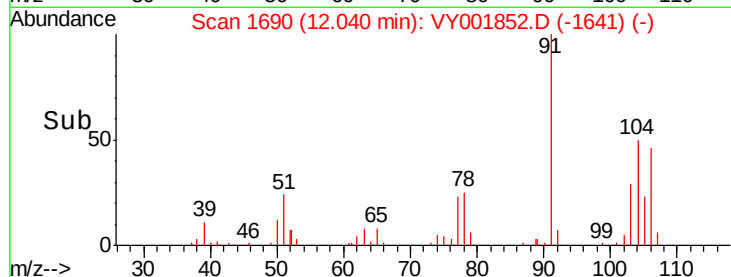
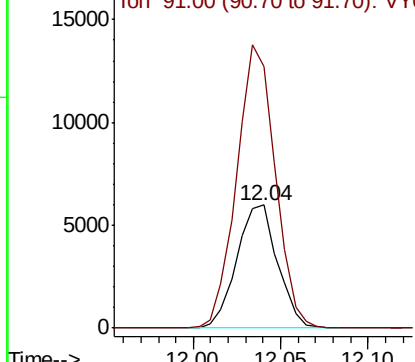
#69
o-Xylene
Concen: 2.620 ug/l
RT: 12.04 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

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

Tot Ion:106 Resp: 9761
Ion Ratio Lower Upper
106 100
91 216.3 106.8 320.4

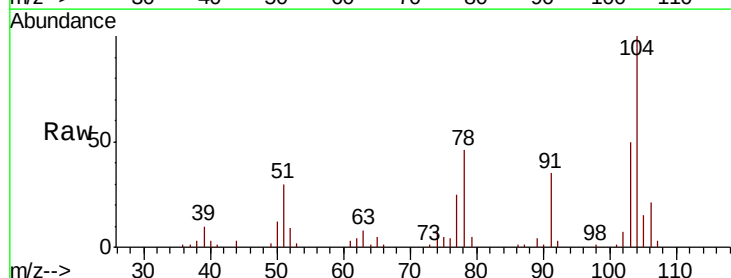


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VY0

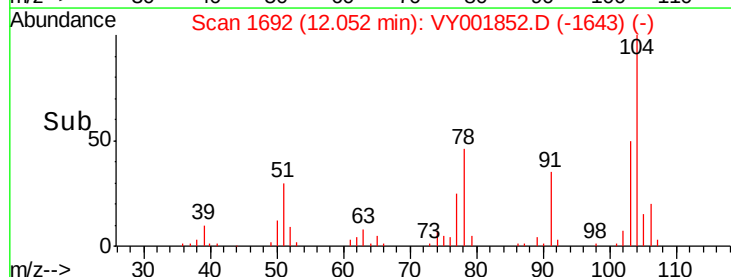
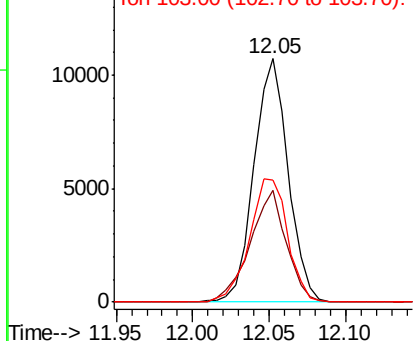


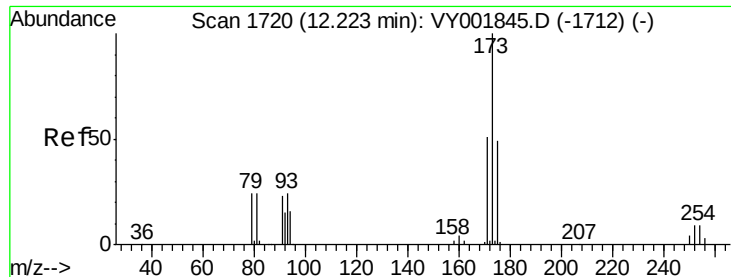
#70
Styrene
Concen: 2.612 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion:104 Resp: 16667
Ion Ratio Lower Upper
104 100
78 48.7 38.5 57.7
103 56.4 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: 2.308 ug/l

RT: 12.22 min Scan# 1719

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

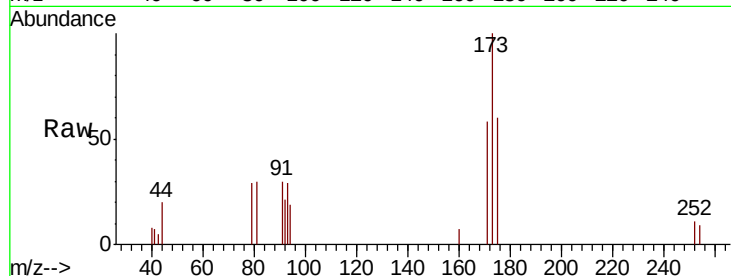
Tot Ion:173 Resp: 2353

Ion Ratio Lower Upper

173 100

175 51.8 24.3 72.8

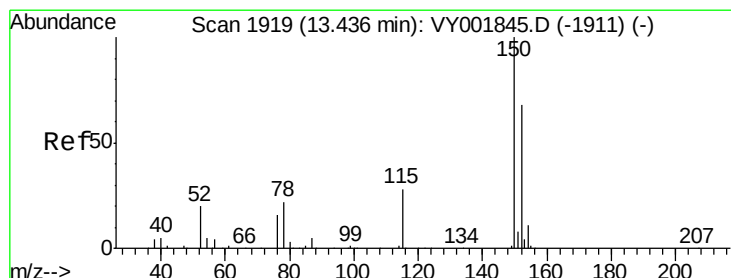
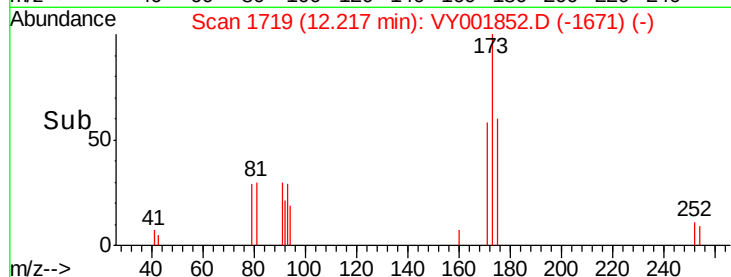
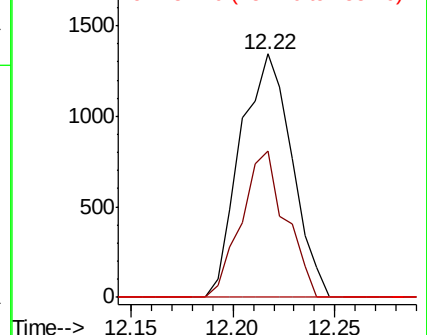
254 0.0 0.0 0.0



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: VY001852.D

Acq: 04 Mar 2020 14:45

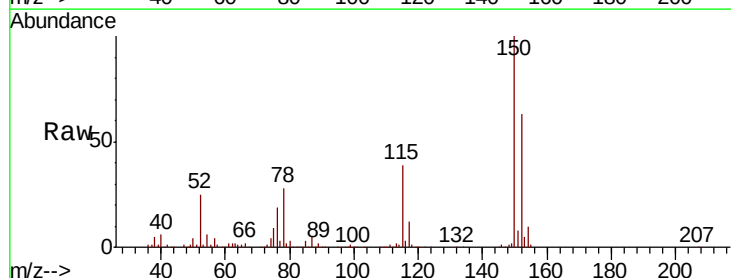
Tgt Ion:152 Resp: 133154

Ion Ratio Lower Upper

152 100

115 60.6 29.9 89.7

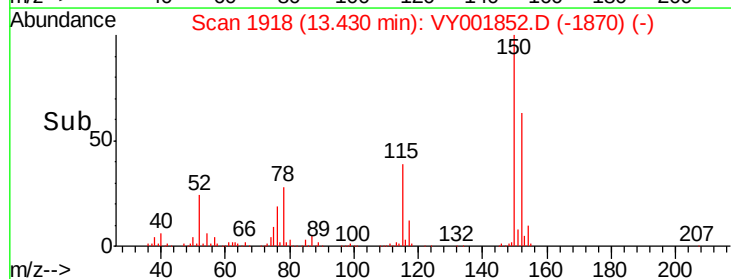
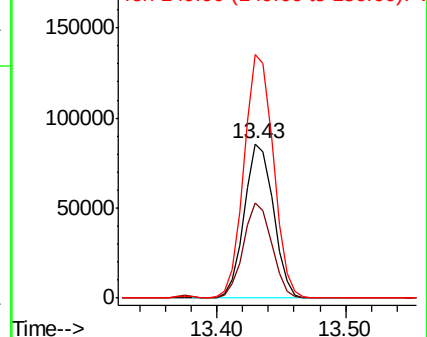
150 159.5 0.0 340.6

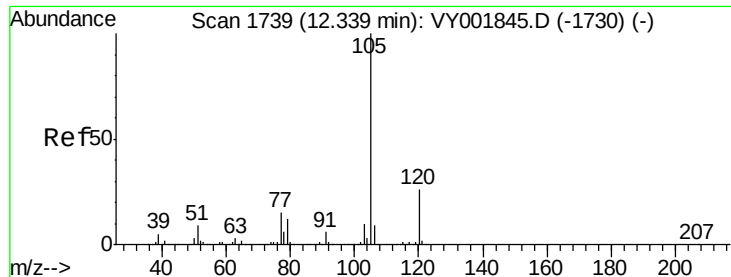


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 2.551 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

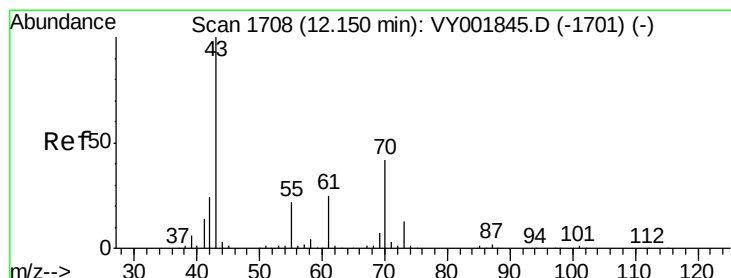
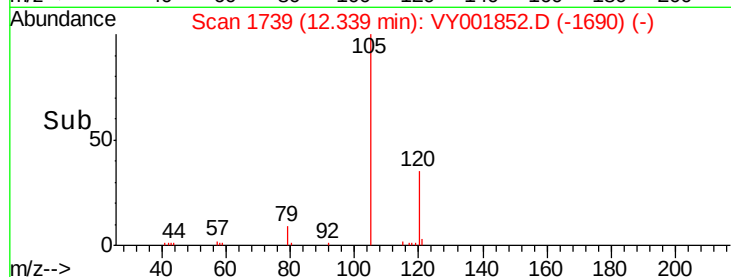
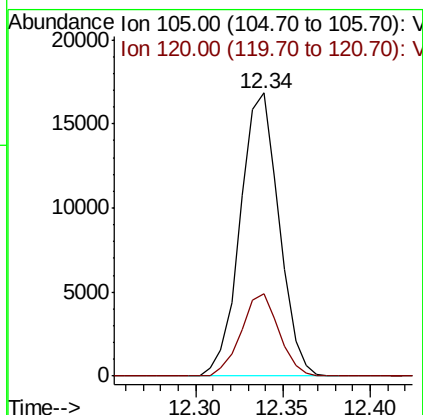
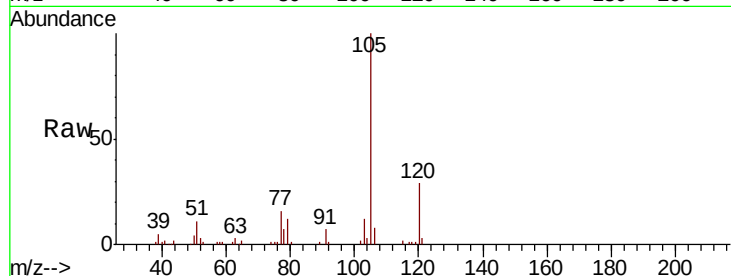
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:105 Resp: 25932

Ion Ratio Lower Upper

105 100

120 28.3 13.1 39.3



#74

N-ethyl acetate

Concen: 2.592 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Tgt Ion: 43 Resp: 8098

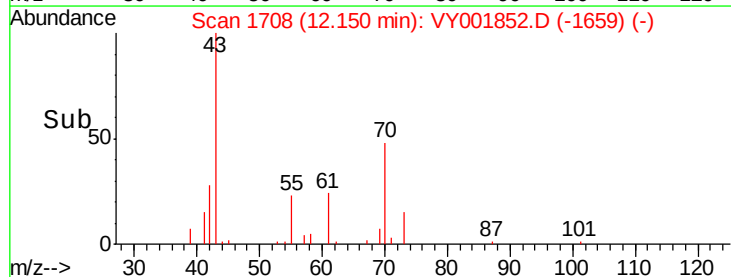
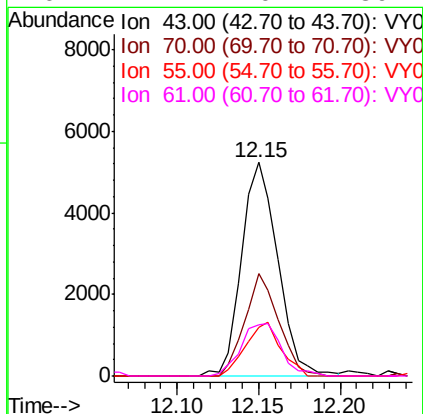
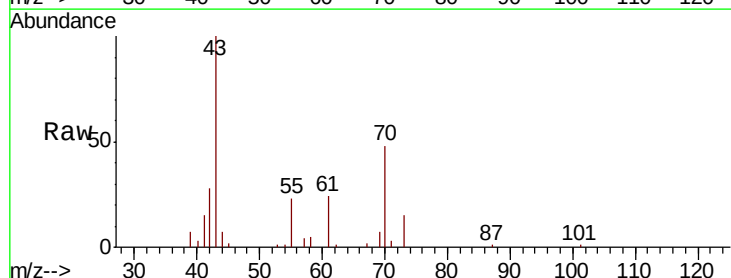
Ion Ratio Lower Upper

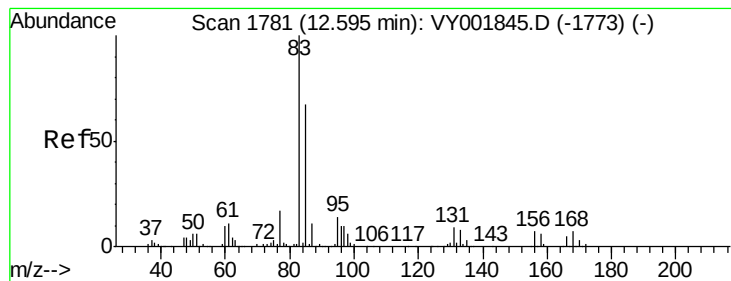
43 100

70 44.5 34.7 52.1

55 24.5 18.2 27.4

61 27.4 20.1 30.1





#75

1,1,2,2-Tetrachloroethane

Concen: 2.599 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

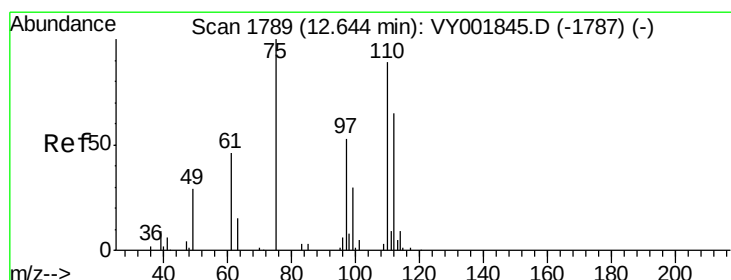
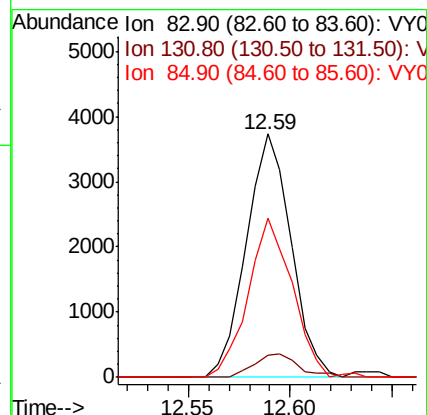
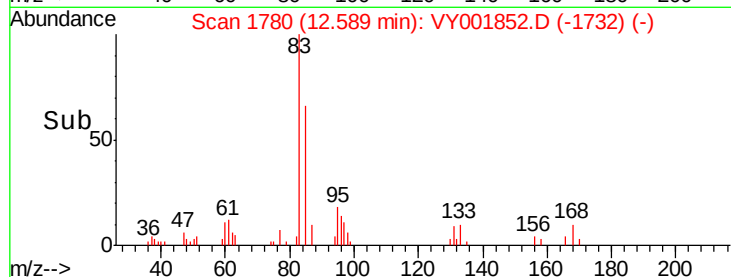
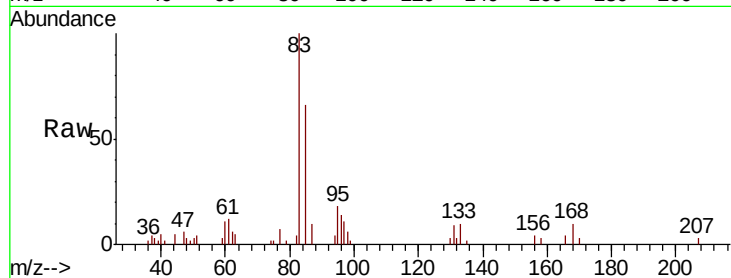
Tot Ion: 83 Resp: 5696

Ion Ratio Lower Upper

83 100

131 9.5 4.6 13.8

85 64.9 32.1 96.3



#76

1,2,3-Trichloropropane

Concen: 4.624 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VY001852.D

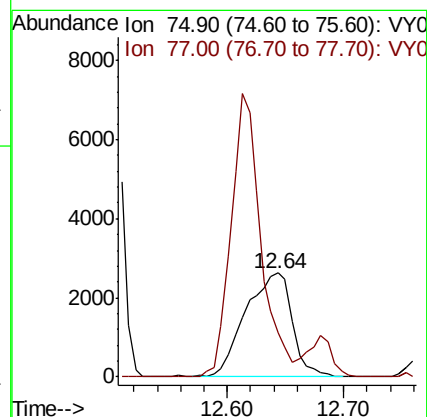
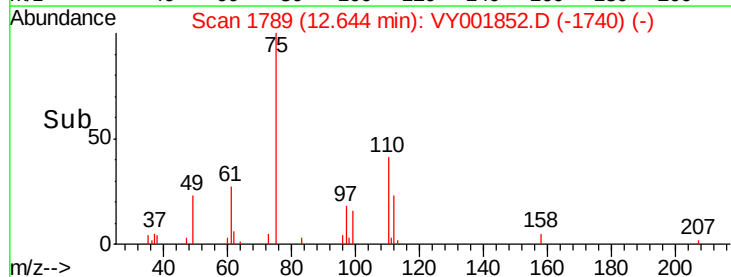
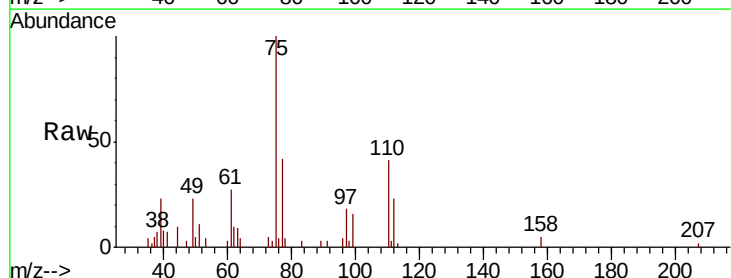
Acq: 04 Mar 2020 14:45

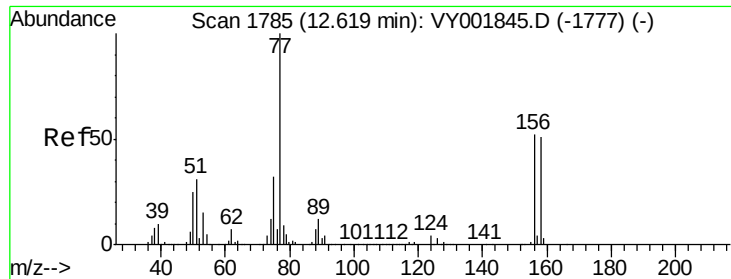
Tgt Ion: 75 Resp: 7306

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 2.746 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

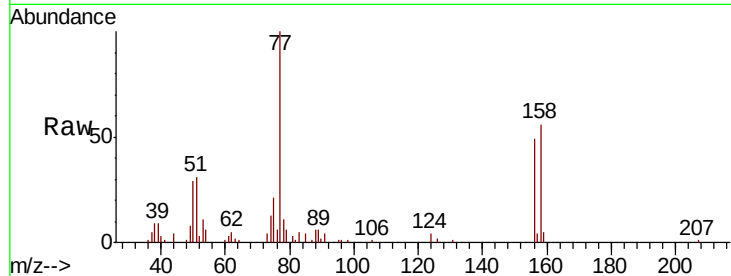
Tot Ion:156 Resp: 5913

Ion Ratio Lower Upper

156 100

77 215.3 109.0 327.0

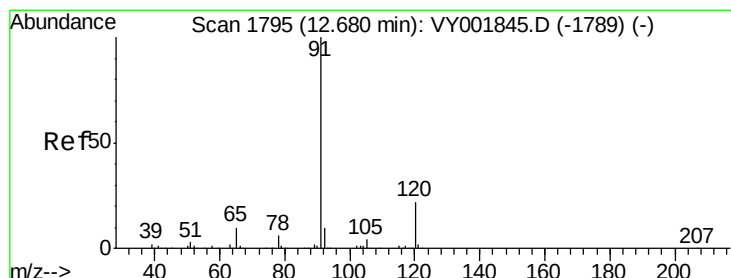
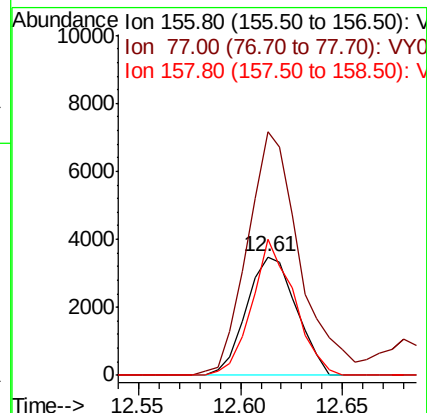
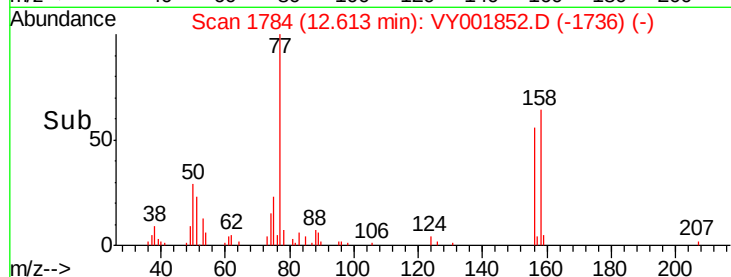
158 97.3 48.9 146.8



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: 2.721 ug/l

RT: 12.68 min Scan# 1795

Delta R.T. 0.00 min

Lab File: VY001852.D

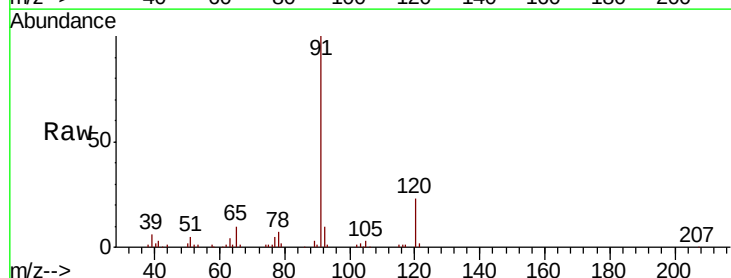
Acq: 04 Mar 2020 14:45

Tgt Ion: 91 Resp: 34126

Ion Ratio Lower Upper

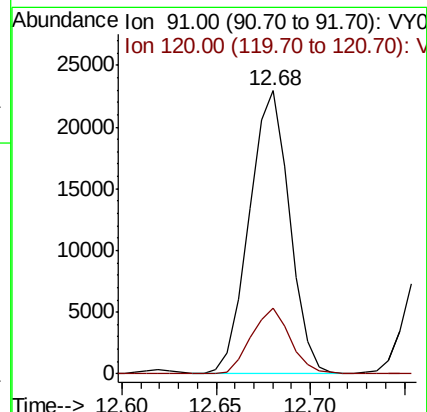
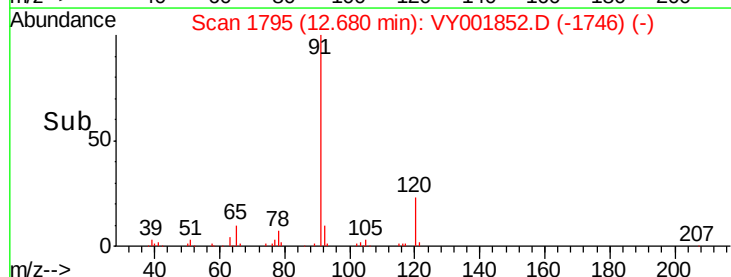
91 100

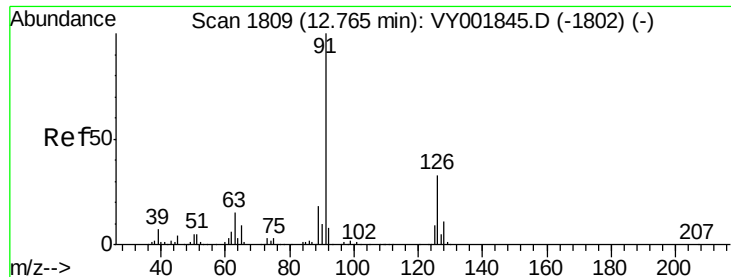
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

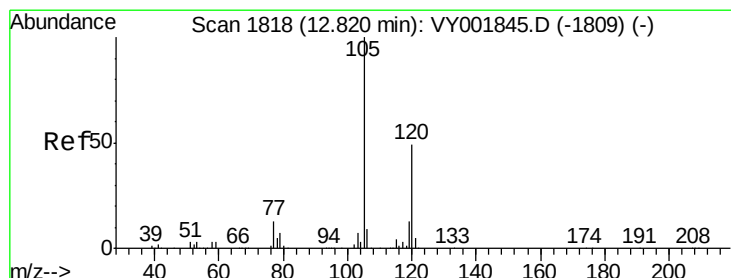
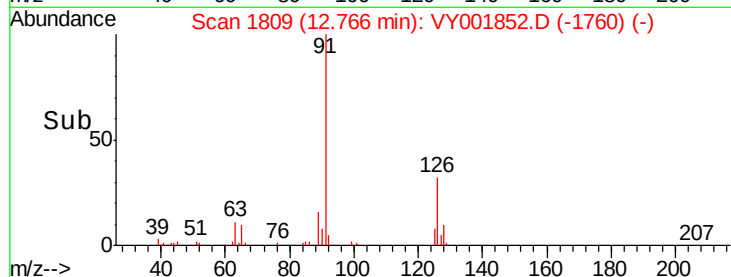
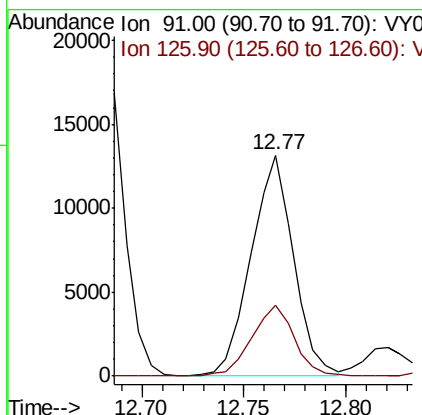
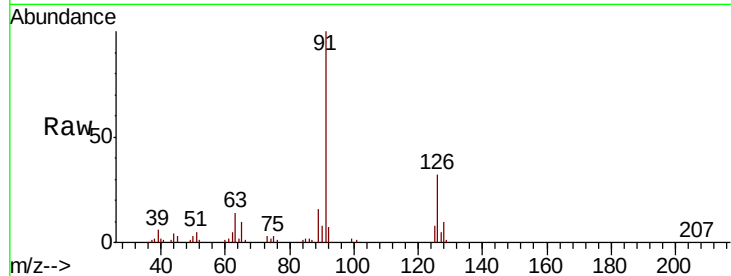




#79
 2-Chlorotoluene
 Concen: 2.759 ug/l
 RT: 12.77 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

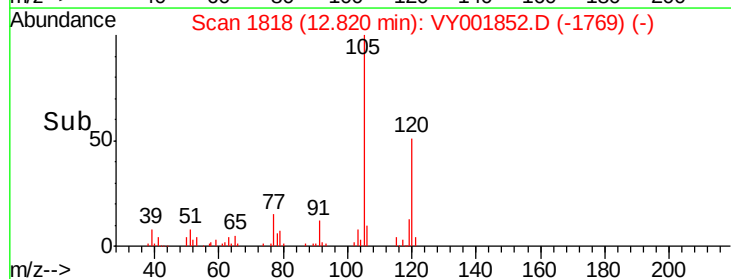
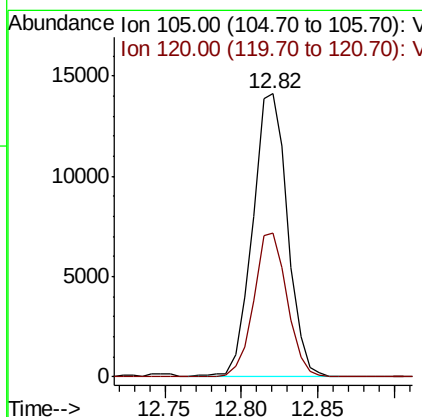
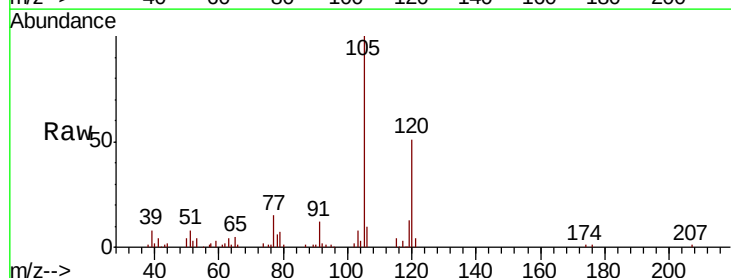
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

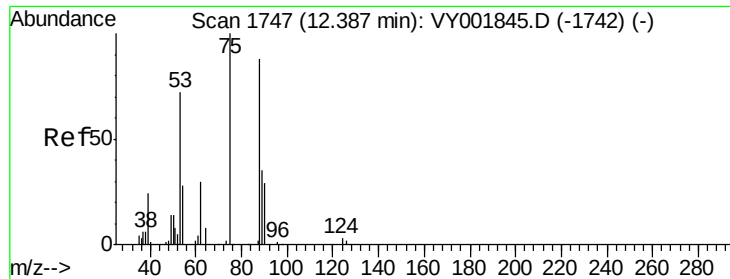
Tot Ion: 91 Resp: 19117
 Ion Ratio Lower Upper
 91 100
 126 31.9 16.3 48.8



#80
 1,3,5-Trimethylbenzene
 Concen: 2.677 ug/l
 RT: 12.82 min Scan# 1818
 Delta R.T. 0.00 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion: 105 Resp: 22404
 Ion Ratio Lower Upper
 105 100
 120 48.4 24.4 73.2





#81

trans-1,4-Dichloro-2-butene

Concen: 85.716 ug/l

RT: 12.49 min Scan# 1763

Delta R.T. 0.10 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

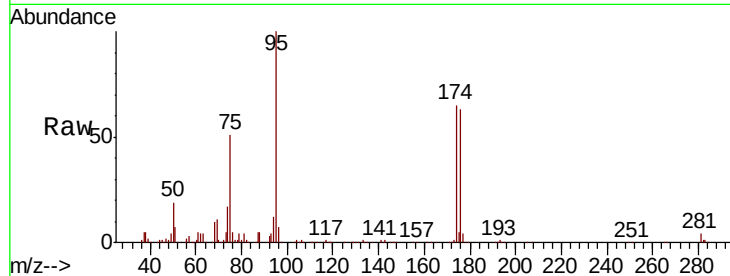
Tot Ion: 75 Resp: 67045

Ion Ratio Lower Upper

75 100

53 0.0 65.4 98.0#

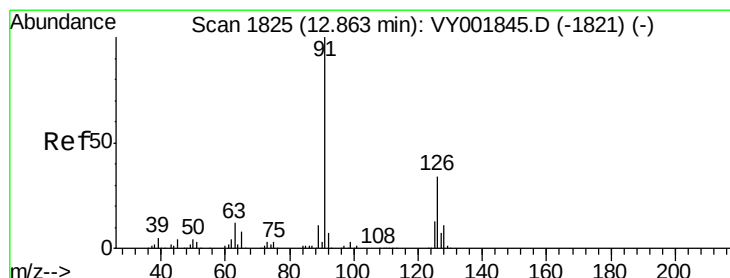
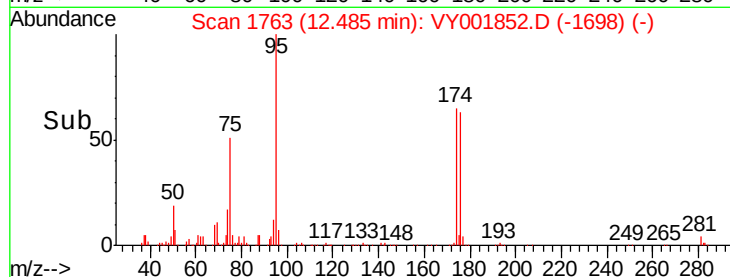
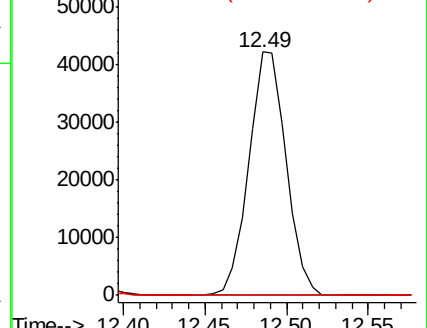
89 0.1 36.0 54.0#



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: 2.816 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY001852.D

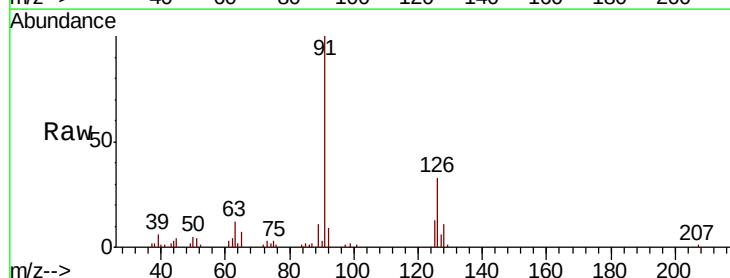
Acq: 04 Mar 2020 14:45

Tgt Ion: 91 Resp: 20315

Ion Ratio Lower Upper

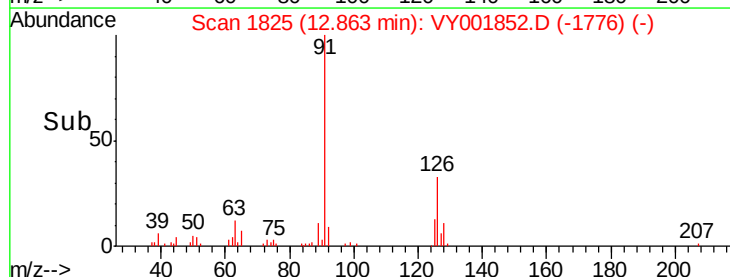
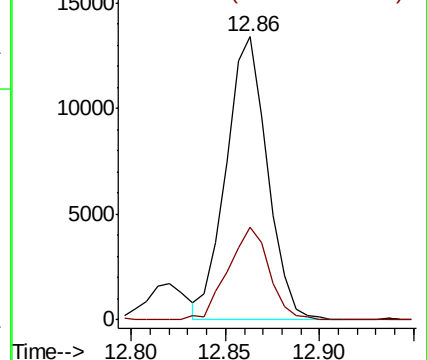
91 100

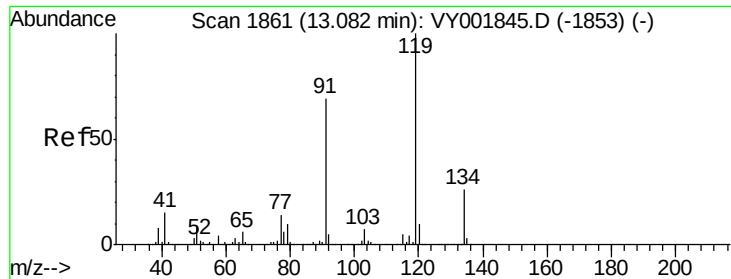
126 32.6 16.4 49.2



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

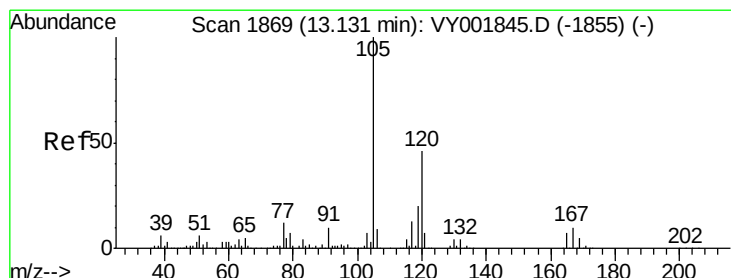
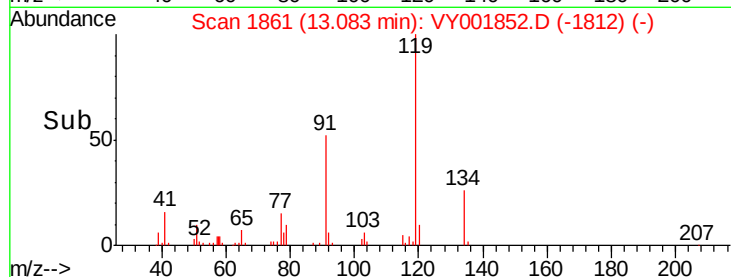
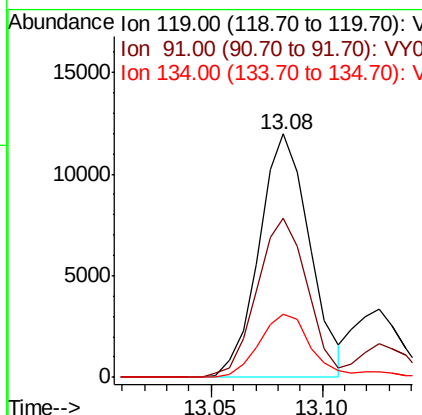
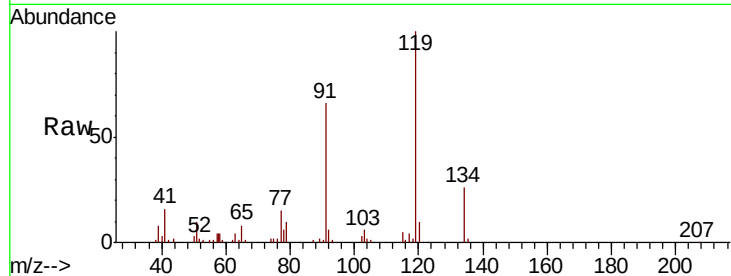




#83
 tert-Butylbenzene
 Concen: 2.721 ug/l
 RT: 13.08 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

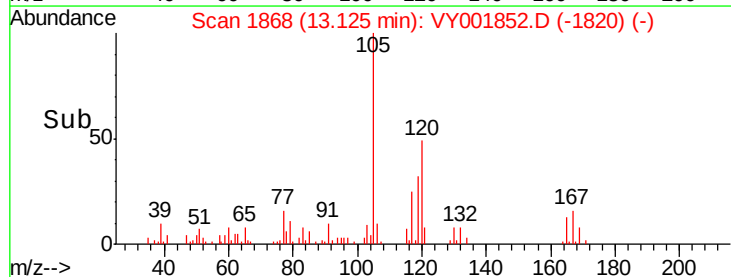
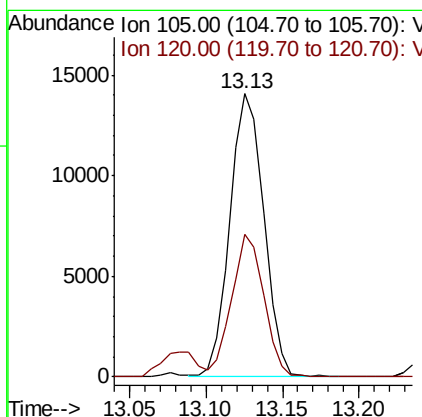
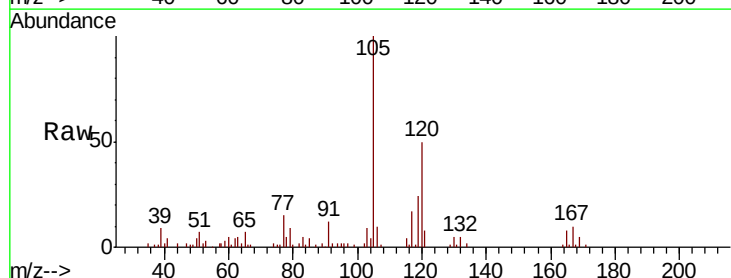
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

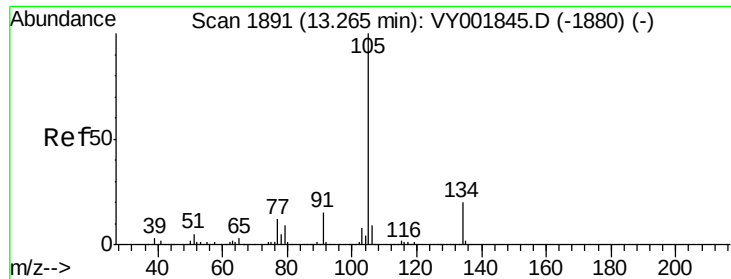
Tot Ion:119 Resp: 18912
 Ion Ratio Lower Upper
 119 100
 91 65.2 34.0 101.8
 134 26.2 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 2.607 ug/l
 RT: 13.13 min Scan# 1868
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion:105 Resp: 21648
 Ion Ratio Lower Upper
 105 100
 120 47.7 22.6 67.7

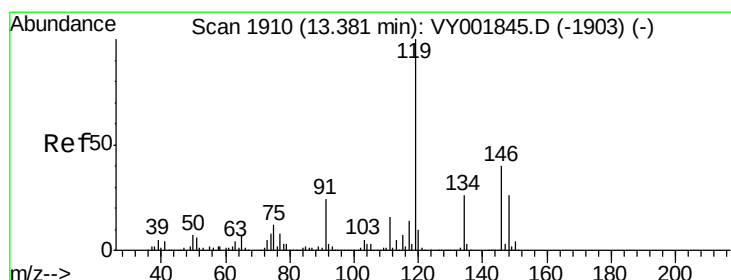
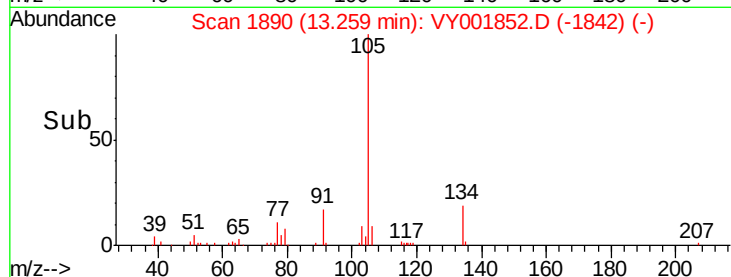
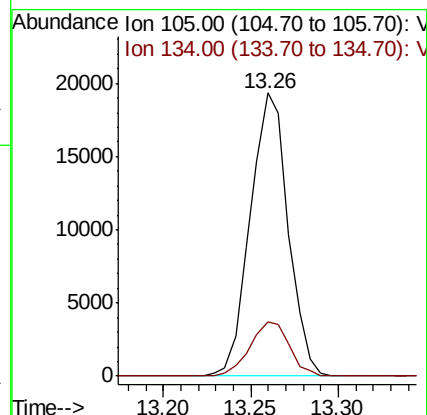
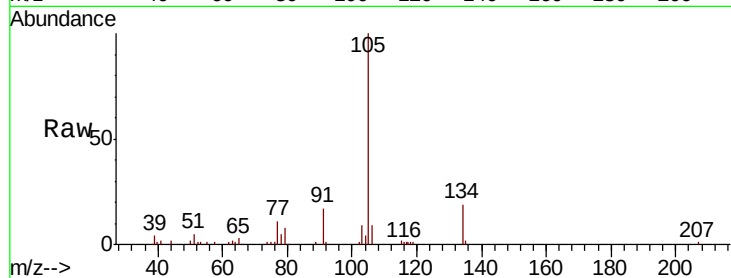




#85
 sec-Butylbenzene
 Concen: 2.844 ug/l
 RT: 13.26 min Scan# 1890
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

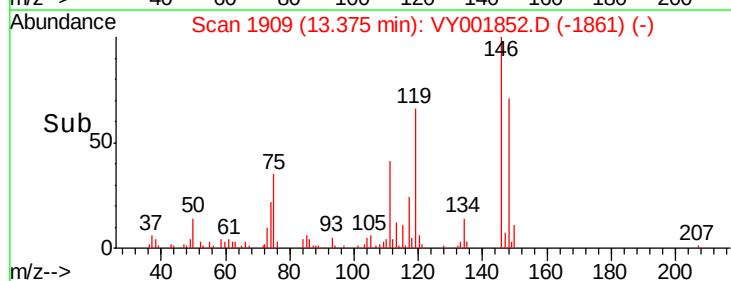
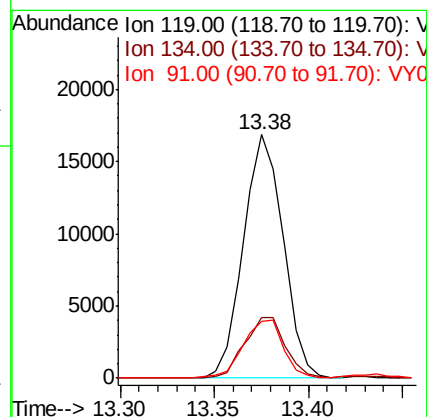
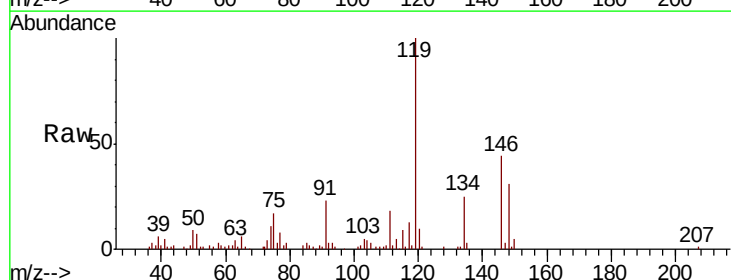
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

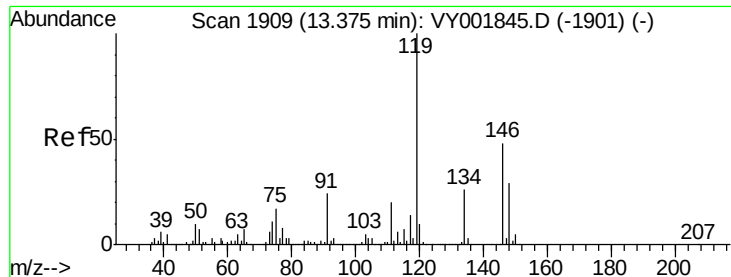
Tot Ion:105 Resp: 29137
 Ion Ratio Lower Upper
 105 100
 134 19.8 9.7 29.1



#86
 p-Isopropyltoluene
 Concen: 2.790 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion:119 Resp: 24654
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.1 39.3
 91 24.2 11.9 35.7

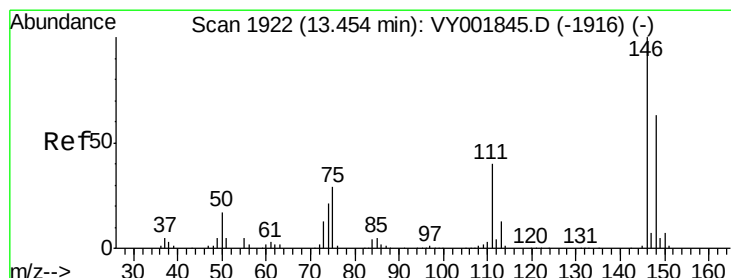
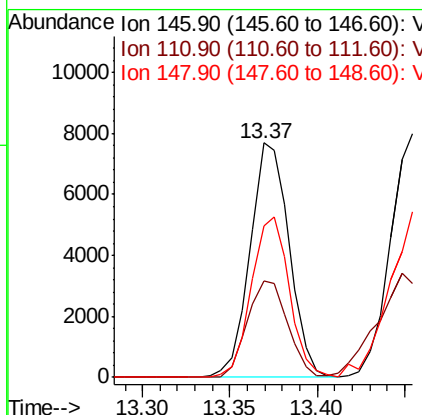
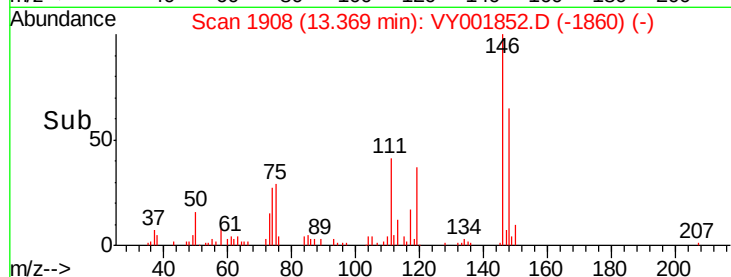
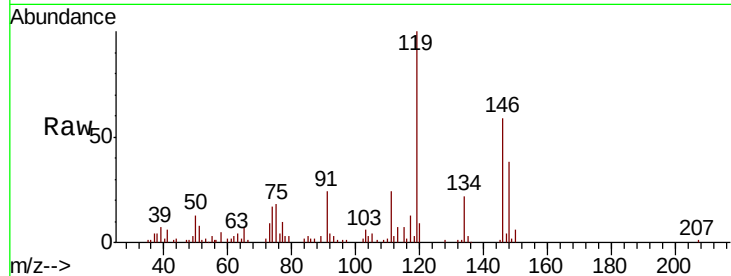




#87
 1,3-Dichlorobenzene
 Concen: 2.852 ug/l
 RT: 13.37 min Scan# 1908
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

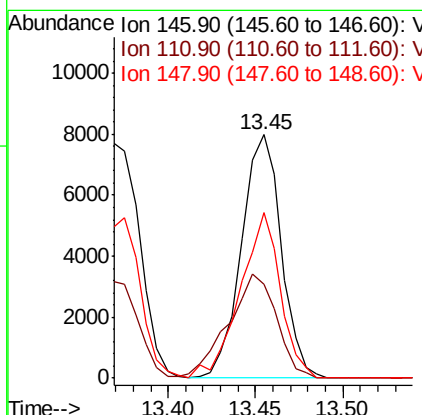
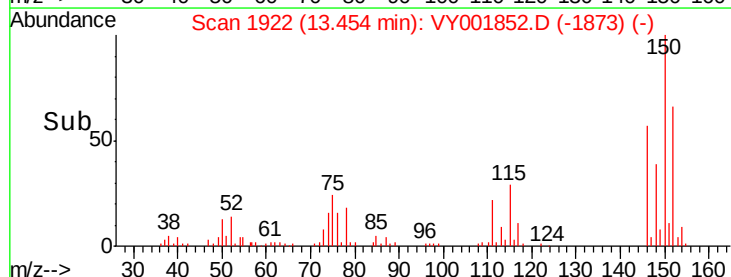
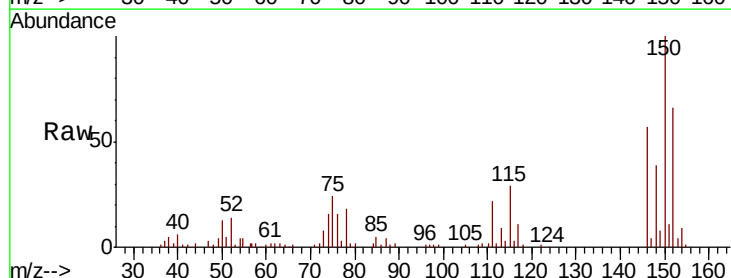
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

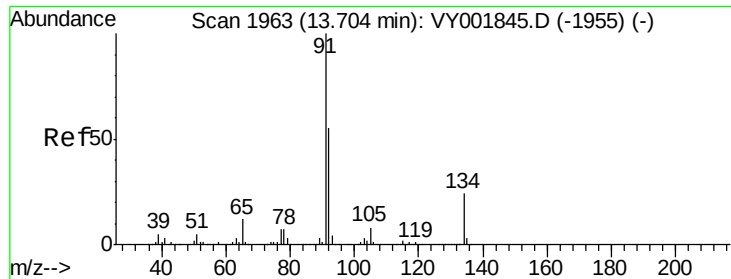
Tot Ion:146 Resp: 12035
 Ion Ratio Lower Upper
 146 100
 111 42.3 20.8 62.5
 148 66.6 31.4 94.0



#88
 1,4-Dichlorobenzene
 Concen: 2.952 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion:146 Resp: 12637
 Ion Ratio Lower Upper
 146 100
 111 51.9 20.0 60.0
 148 68.6 31.5 94.5

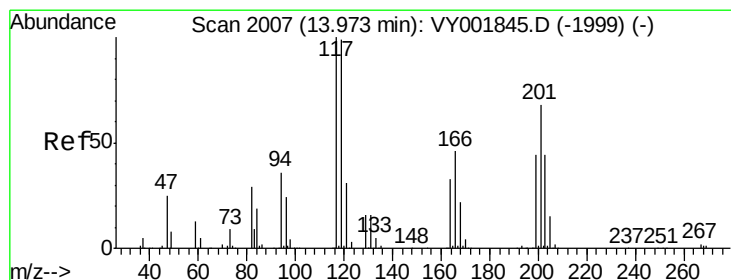
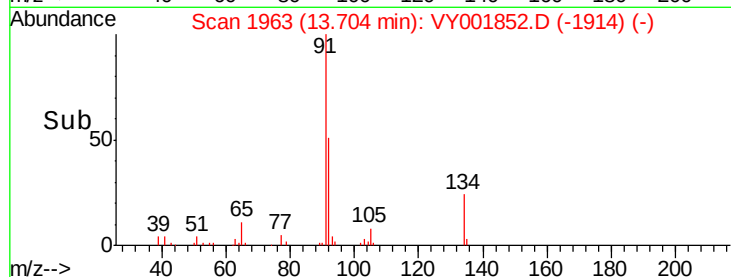
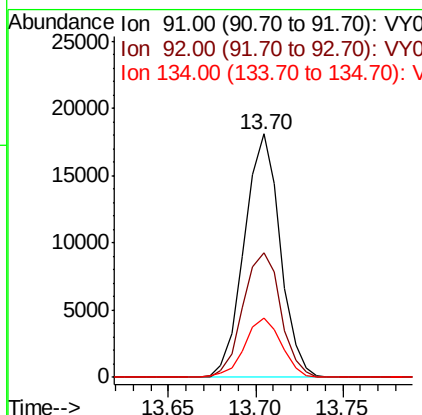
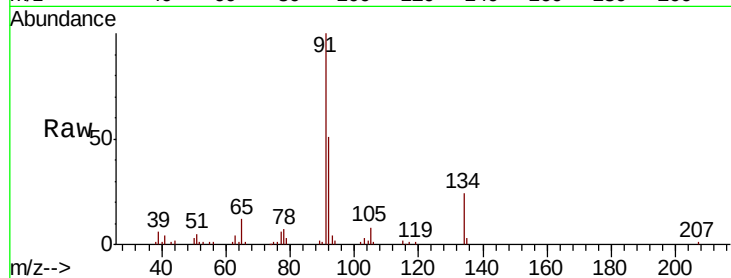




#89
n-Butylbenzene
Concen: 2.817 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

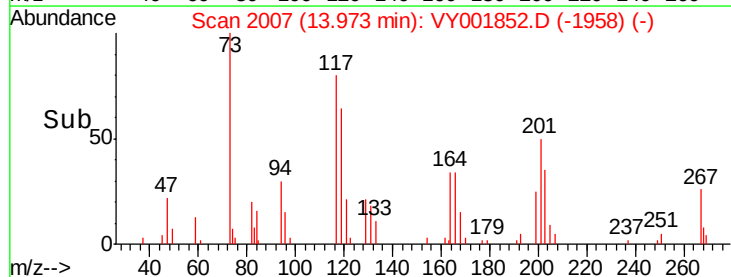
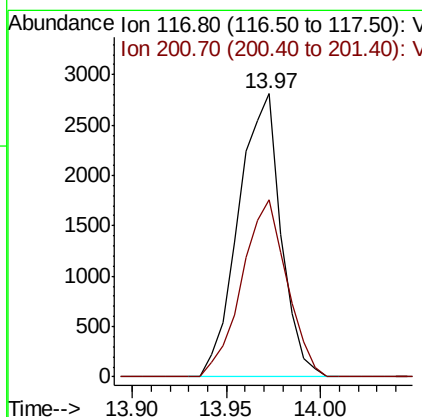
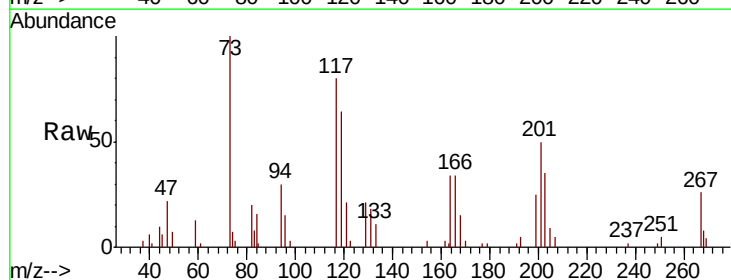
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

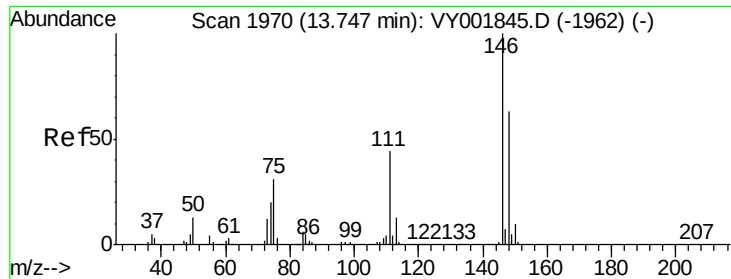
Tot Ion: 91 Resp: 25827
Ion Ratio Lower Upper
91 100
92 53.4 27.5 82.4
134 25.1 12.5 37.5



#90
Hexachloroethane
Concen: 2.638 ug/l
RT: 13.97 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VY001852.D
Acq: 04 Mar 2020 14:45

Tgt Ion: 117 Resp: 4398
Ion Ratio Lower Upper
117 100
201 66.3 32.5 97.5

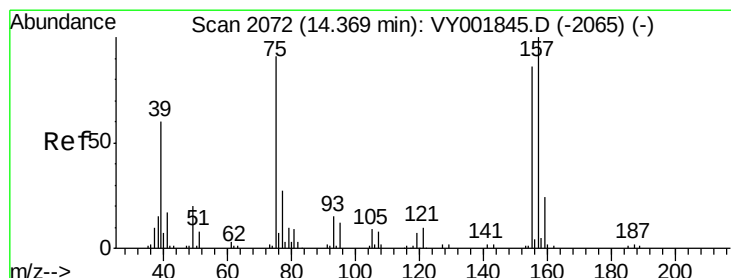
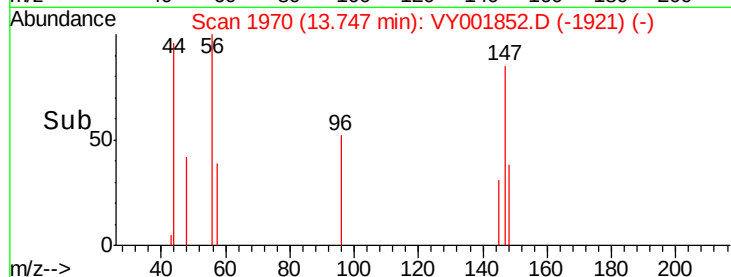
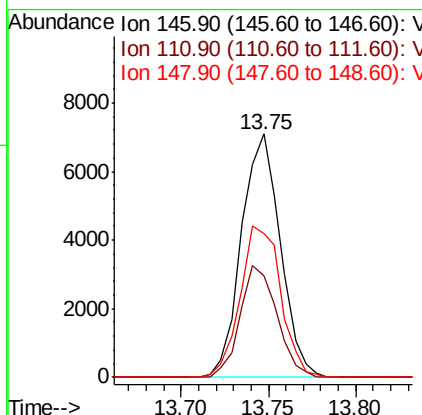
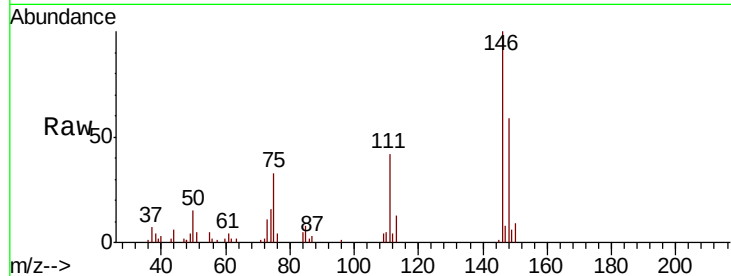




#91
 1,2-Dichlorobenzene
 Concen: 2.863 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

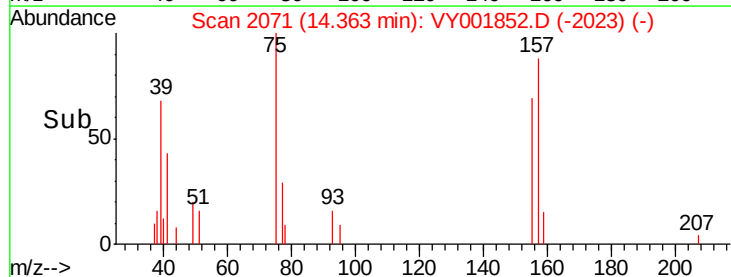
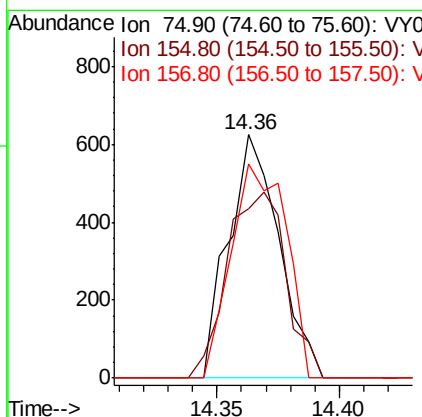
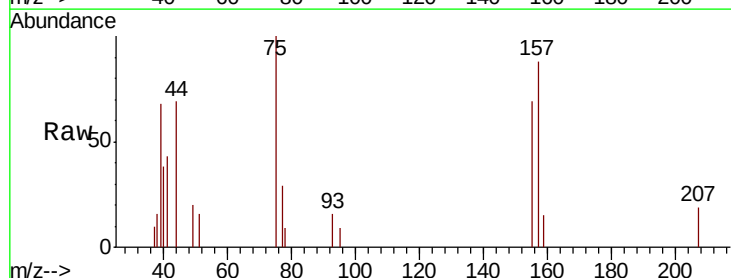
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

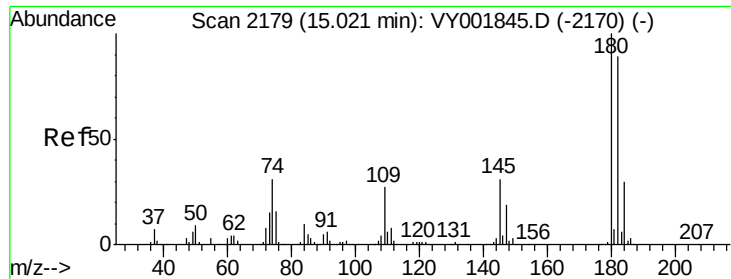
Tot Ion:146 Resp: 10977
 Ion Ratio Lower Upper
 146 100
 111 43.5 21.5 64.5
 148 64.7 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.620 ug/l
 RT: 14.36 min Scan# 2071
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion: 75 Resp: 896
 Ion Ratio Lower Upper
 75 100
 155 89.3 42.9 128.7
 157 95.9 53.1 159.4

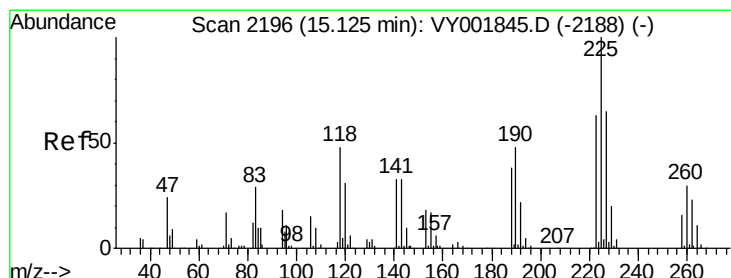
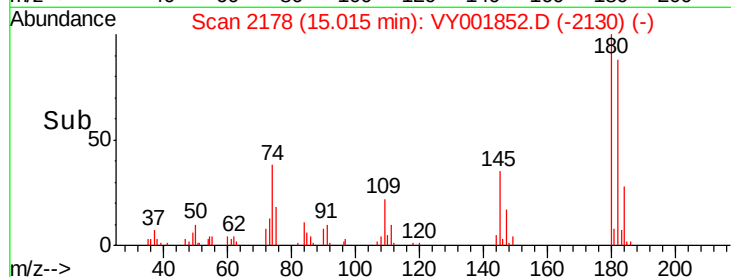
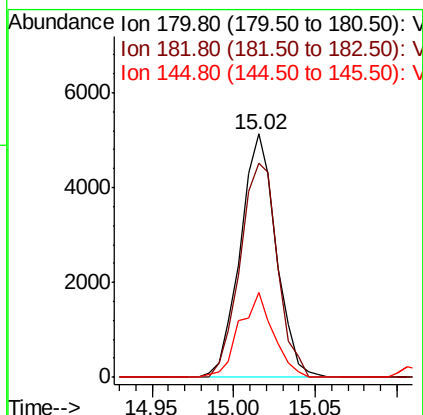
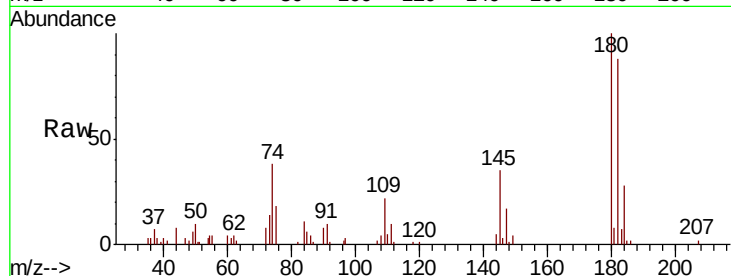




#93
 1,2,4-Trichlorobenzene
 Concen: 3.164 ug/l
 RT: 15.02 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

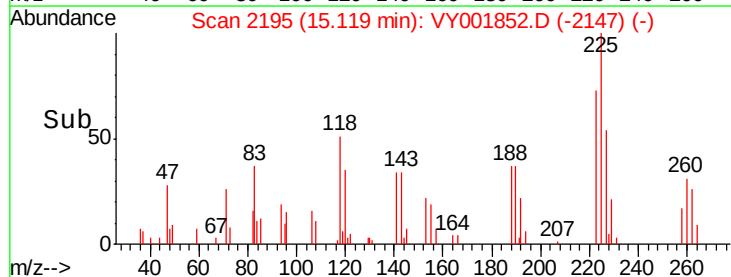
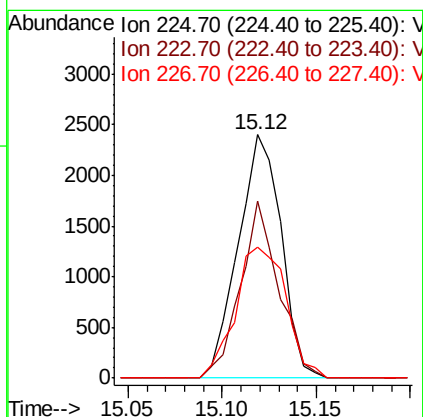
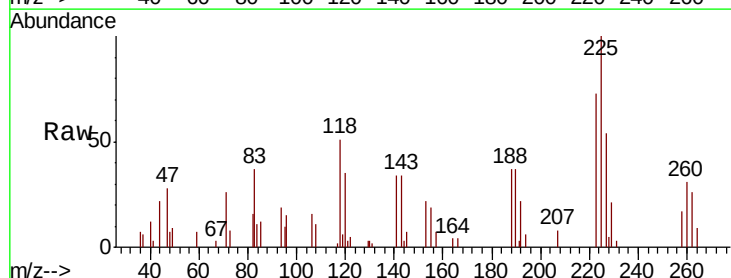
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

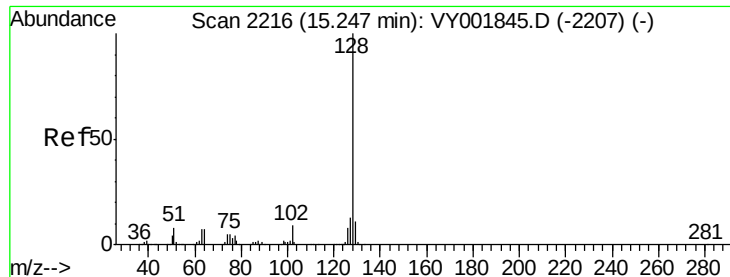
Tot Ion:180 Resp: 7868
 Ion Ratio Lower Upper
 180 100
 182 91.7 46.1 138.3
 145 32.9 15.6 46.8



#94
 Hexachlorobutadiene
 Concen: 3.122 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. -0.01 min
 Lab File: VY001852.D
 Acq: 04 Mar 2020 14:45

Tgt Ion:225 Resp: 3784
 Ion Ratio Lower Upper
 225 100
 223 65.4 31.5 94.5
 227 63.7 31.9 95.5





#95

Naphthalene

Concen: 3.050 ug/l

RT: 15.25 min Scan# 2216

Delta R.T. 0.00 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

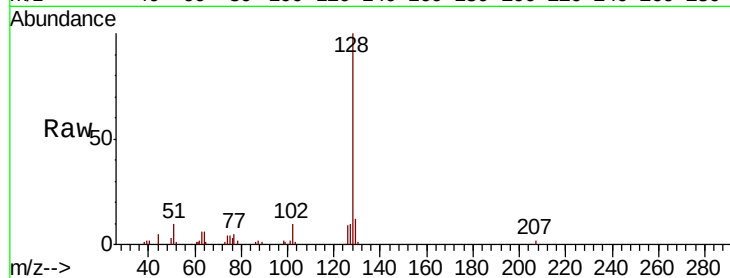
Tot Ion:128 Resp: 17988

Ion Ratio Lower Upper

128 100

127 11.8 10.1 15.1

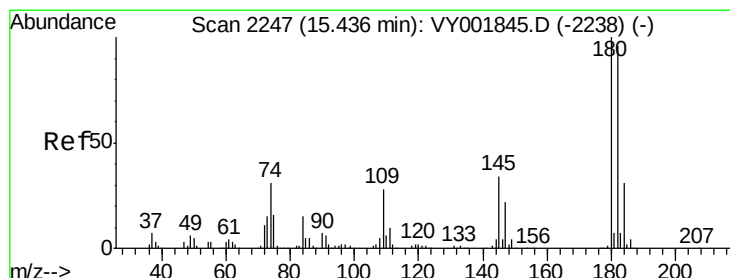
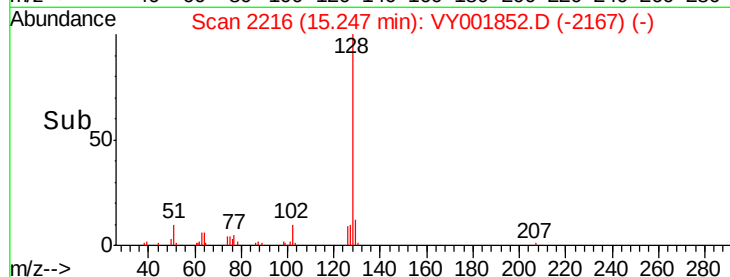
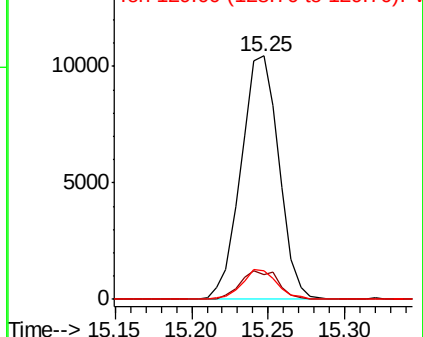
129 11.2 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.164 ug/l

RT: 15.43 min Scan# 2246

Delta R.T. -0.01 min

Lab File: VY001852.D

Acq: 04 Mar 2020 14:45

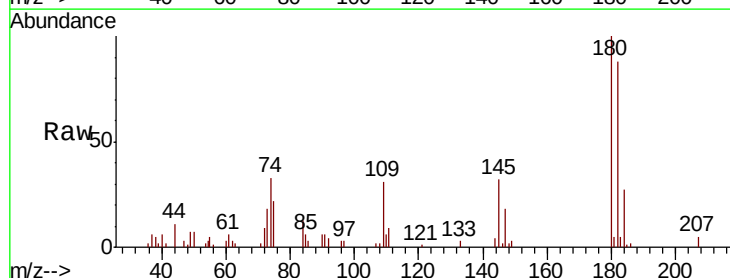
Tgt Ion:180 Resp: 6931

Ion Ratio Lower Upper

180 100

182 98.9 47.6 142.9

145 35.4 16.8 50.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

