

Data Path : Z:\VOASRV\HPCHEM1\MSVOA Y\DATA\VY030320\
 Data File : VY001829.D
 Acq On : 03 Mar 2020 13:09
 Operator : SY/MD
 Sample : L1161-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Mar 04 04:26:19 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\82Y021720S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 17 12:19:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.81	168	170361	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.70	114	311186	50.00	ug/l	-0.01
63) Chlorobenzene-d5	11.50	117	276399	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.43	152	128870	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.16	65	90626	49.46	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	98.92%	
35) Dibromofluoromethane	7.74	113	83247	46.71	ug/l	-0.01
Spiked Amount	50.000		Recovery	=	93.42%	
50) Toluene-d8	10.19	98	345368	49.46	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.92%	
62) 4-Bromofluorobenzene	12.49	95	121713	44.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.74%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.91	85	5881	3.541	ug/l	95
3) Chloromethane	2.12	50	7286	3.262	ug/l	94
4) Vinyl Chloride	2.26	62	6527	2.897	ug/l #	85
5) Bromomethane	2.66	94	5082	3.609	ug/l	85
6) Chloroethane	2.80	64	4476	3.224	ug/l	91
7) Trichlorofluoromethane	3.13	101	10835	3.758	ug/l	87
8) Diethyl Ether	3.55	74	3556	3.128	ug/l	89
9) 1,1,2-Trichlorotrifluoroet	3.92	101	6298	3.475	ug/l	94
10) Methyl Iodide	4.11	142	5586	2.518	ug/l	97
11) Tert butyl alcohol	4.96	59	8334	32.776	ug/l #	83
12) 1,1-Dichloroethene	3.90	96	6126	3.314	ug/l	90
13) Acrolein	3.75	56	2128	11.498	ug/l	89
14) Allyl chloride	4.50	41	10589	3.219	ug/l	96
15) Acrylonitrile	5.20	53	10103	17.340	ug/l	98
16) Acetone	3.97	43	10252	16.169	ug/l	88
17) Carbon Disulfide	4.21	76	18264	2.960	ug/l	97
18) Methyl Acetate	4.50	43	7973	5.774	ug/l #	68
19) Methyl tert-butyl Ether	5.24	73	16287	3.165	ug/l	93
20) Methylene Chloride	4.74	84	14676	6.516	ug/l	95
21) trans-1,2-Dichloroethene	5.24	96	6850	3.248	ug/l	87
22) Diisopropyl ether	6.14	45	21620	3.200	ug/l	96
23) Vinyl Acetate	6.08	43	59202	13.434	ug/l	97
24) 1,1-Dichloroethane	6.04	63	11488	3.182	ug/l	98
25) 2-Butanone	7.00	43	14505	16.840	ug/l	100
26) 2,2-Dichloropropane	7.00	77	10646	3.389	ug/l	97
27) cis-1,2-Dichloroethene	7.01	96	7236	3.108	ug/l	92
28) Bromochloromethane	7.35	49	3934	2.615	ug/l #	95
29) Tetrahydrofuran	7.36	42	9316	17.894	ug/l	94
30) Chloroform	7.53	83	11510	3.262	ug/l	89
31) Cyclohexane	7.80	56	15560	4.042	ug/l #	75
32) 1,1,1-Trichloroethane	7.72	97	9167	3.091	ug/l	99
36) 1,1-Dichloropropene	7.93	75	9241	3.109	ug/l	98
37) Ethyl Acetate	7.10	43	5551	3.129	ug/l	97
38) Carbon Tetrachloride	7.91	117	7685	2.943	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.19	83	12423	3.150	ug/l	93
40) Benzene	8.18	78	27390	3.133	ug/l	98
41) Methacrylonitrile	7.36	41	7987	8.966	ug/l #	31
42) 1,2-Dichloroethane	8.25	62	7789	3.270	ug/l	100
43) Isopropyl Acetate	8.28	43	10643	3.162	ug/l	98
44) Trichloroethene	8.96	130	6860	3.143	ug/l	88
45) 1,2-Dichloropropane	9.22	63	6982	3.189	ug/l	95
46) Dibromomethane	9.32	93	3733	3.260	ug/l	96
47) Bromodichloromethane	9.51	83	8353	3.022	ug/l	98
48) Methyl methacrylate	9.30	41	4667	3.066	ug/l	97
49) 1,4-Dioxane	9.30	88	1030	63.684	ug/l	100
51) 4-Methyl-2-Pentanone	10.08	43	25966	15.014	ug/l	99
52) Toluene	10.25	92	16666	3.056	ug/l	99
53) t-1,3-Dichloropropene	10.47	75	8815	2.885	ug/l	98
54) cis-1,3-Dichloropropene	9.94	75	10637	3.025	ug/l	96
55) 1,1,2-Trichloroethane	10.66	97	5398	3.197	ug/l	93
56) Ethyl methacrylate	10.52	69	7048	2.782	ug/l	89
57) 1,3-Dichloropropane	10.80	76	9715	3.238	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.79	63	16197	15.312	ug/l	99
59) 2-Hexanone	10.84	43	19079	14.703	ug/l	97
60) Dibromochloromethane	10.99	129	5323	2.859	ug/l	95
61) 1,2-Dibromoethane	11.10	107	4867	3.048	ug/l	96
64) Tetrachloroethene	10.73	164	5801	3.343	ug/l	92
65) Chlorobenzene	11.52	112	18220	3.302	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.60	131	5503	2.956	ug/l	96
67) Ethyl Benzene	11.60	91	32152	3.140	ug/l	99
68) m/p-Xylenes	11.70	106	23500	6.143	ug/l	100
69) o-Xylene	12.03	106	11218	3.085	ug/l	98
70) Styrene	12.05	104	18438	2.917	ug/l	99
71) Bromoform	12.21	173	2705	2.543	ug/l #	92
73) Isopropylbenzene	12.34	105	29999	3.056	ug/l	99
74) N-amyl acetate	12.15	43	9336	2.980	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.59	83	6315	3.013	ug/l	91
76) 1,2,3-Trichloropropane	12.64	75	8552	5.785	ug/l #	100
77) Bromobenzene	12.61	156	6483	3.046	ug/l	97
78) n-propylbenzene	12.67	91	38574	3.226	ug/l	99
79) 2-Chlorotoluene	12.77	91	20814	3.104	ug/l	100
80) 1,3,5-Trimethylbenzene	12.82	105	25197	3.100	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.39	75	2027	2.601	ug/l #	86
82) 4-Chlorotoluene	12.86	91	21878	3.093	ug/l	100
83) tert-Butylbenzene	13.08	119	21482	3.161	ug/l	98
84) 1,2,4-Trimethylbenzene	13.13	105	24736	3.053	ug/l	97
85) sec-Butylbenzene	13.26	105	30915	3.093	ug/l	100
86) p-Isopropyltoluene	13.38	119	26739	3.079	ug/l	99
87) 1,3-Dichlorobenzene	13.38	146	12674	3.071	ug/l	96
88) 1,4-Dichlorobenzene	13.45	146	13562	3.250	ug/l	91
89) n-Butylbenzene	13.70	91	27415	3.089	ug/l	96
90) Hexachloroethane	13.97	117	4756	2.907	ug/l	96
91) 1,2-Dichlorobenzene	13.75	146	11792	3.096	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.36	75	1103	3.188	ug/l	91

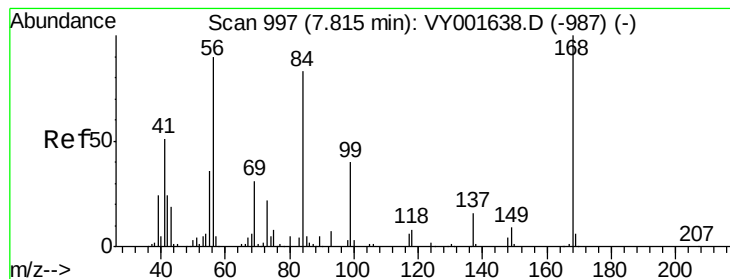
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.01	180	8180	3.241	ug/l	94
94) Hexachlorobutadiene	15.12	225	3927	3.128	ug/l	97
95) Naphthalene	15.24	128	19354	3.325	ug/l	99
96) 1,2,3-Trichlorobenzene	15.43	180	7884	3.550	ug/l	95

(#) = 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: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

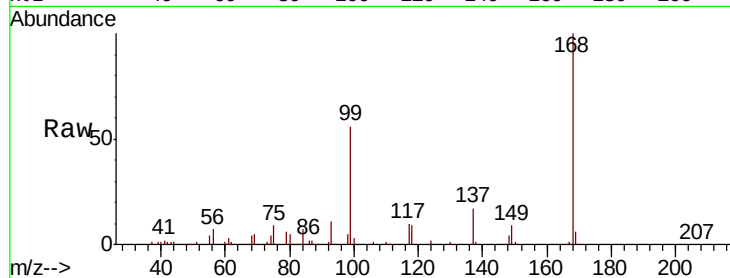
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:168 Resp: 170361

Ion Ratio Lower Upper

168 100

99 55.6 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): VY001638.D (-987) (-)

Ion 98.90 (98.60 to 99.60): VY001638.D (-987) (-)

7.81

80000

60000

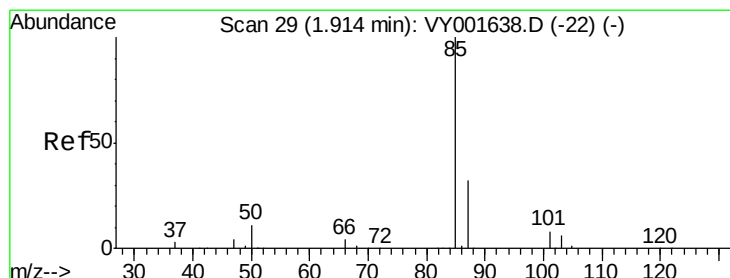
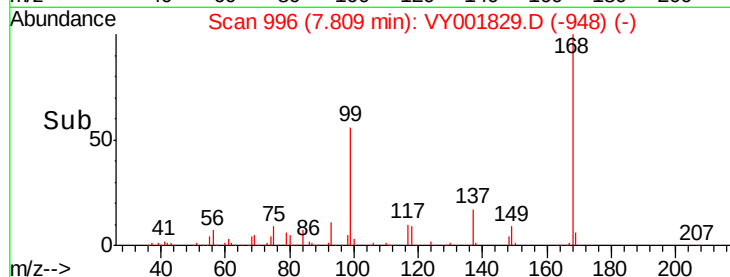
40000

20000

0

7.70 7.80 7.90

Time-->



#2

Dichlorodifluoromethane

Concen: 3.541 ug/l

RT: 1.91 min Scan# 29

Delta R.T. 0.00 min

Lab File: VY001829.D

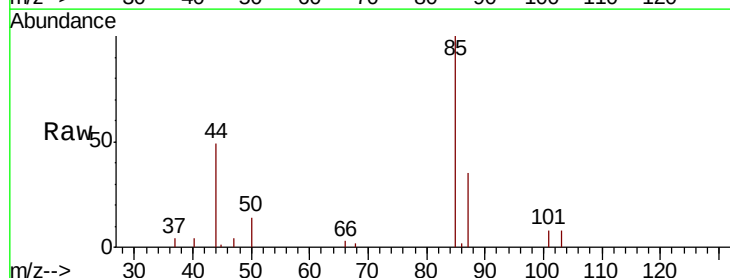
Acq: 03 Mar 2020 13:09

Tgt Ion: 85 Resp: 5881

Ion Ratio Lower Upper

85 100

87 35.2 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VY001638.D (-22) (-)

Ion 86.90 (86.60 to 87.60): VY001638.D (-22) (-)

1.91

4000

3000

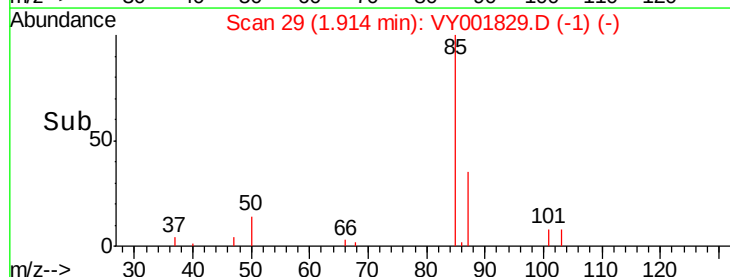
2000

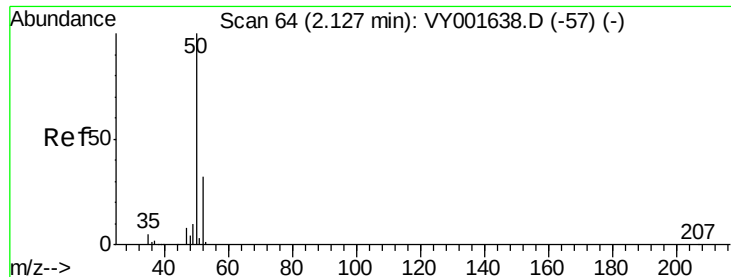
1000

0

1.85 1.90 1.95 2.00

Time-->





#3

Chloromethane

Concen: 3.262 ug/l

RT: 2.12 min Scan# 63

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

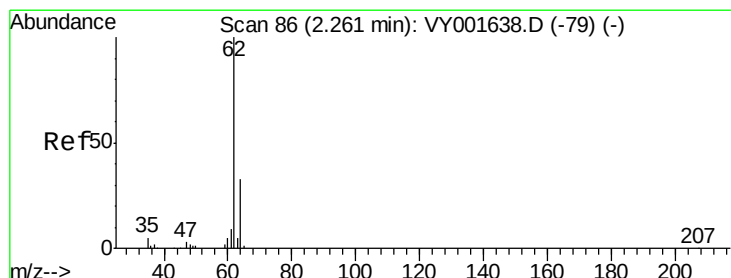
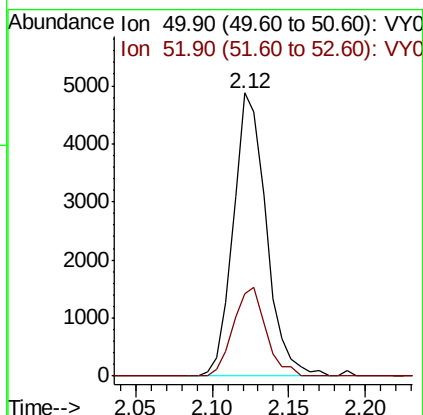
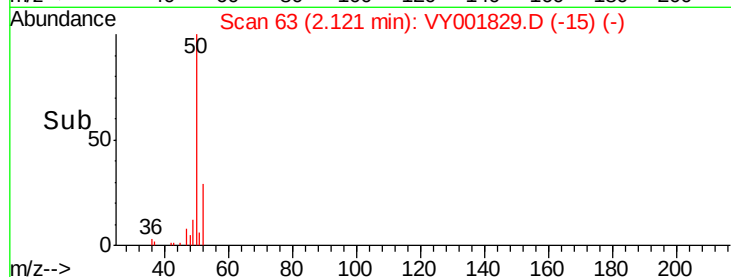
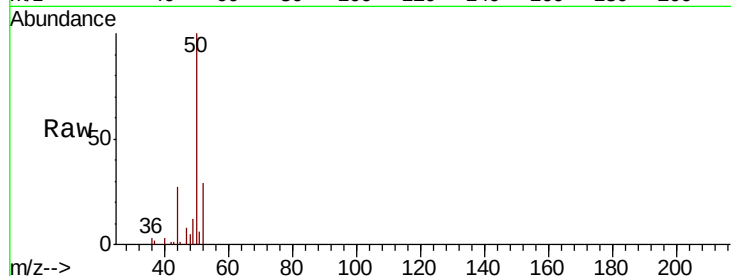
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 50 Resp: 7286

Ion Ratio Lower Upper

50 100

52 29.0 25.8 38.6



#4

Vinyl Chloride

Concen: 2.897 ug/l

RT: 2.26 min Scan# 86

Delta R.T. 0.00 min

Lab File: VY001829.D

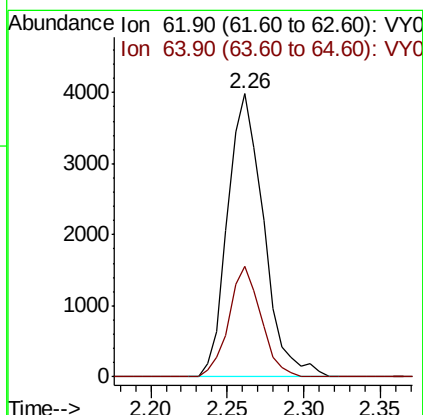
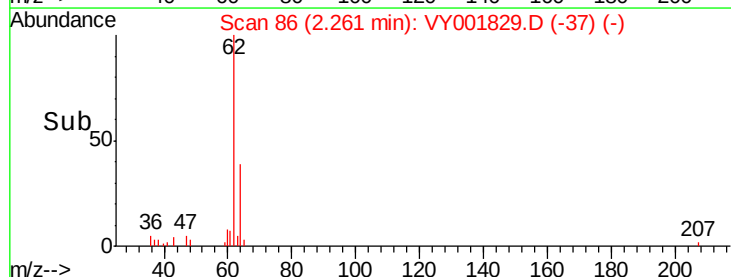
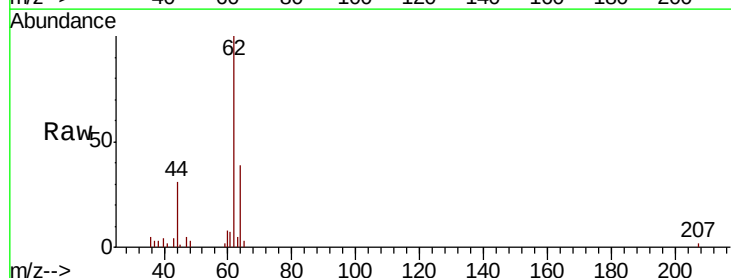
Acq: 03 Mar 2020 13:09

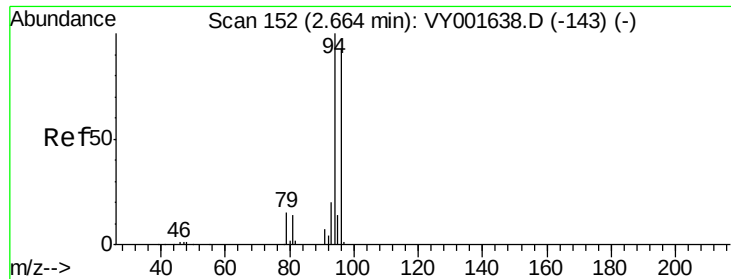
Tgt Ion: 62 Resp: 6527

Ion Ratio Lower Upper

62 100

64 39.1 24.9 37.3#





#5

Bromomethane

Concen: 3.609 ug/l

RT: 2.66 min Scan# 152

Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

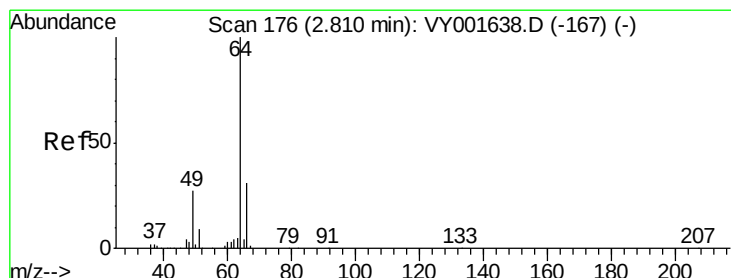
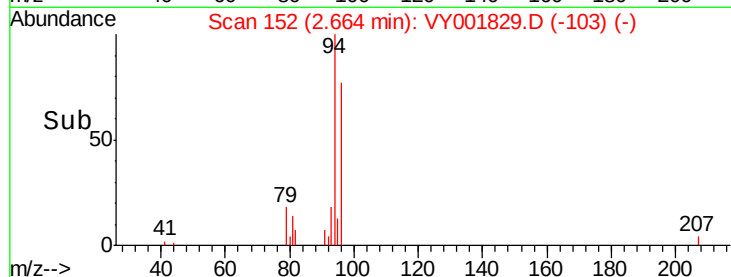
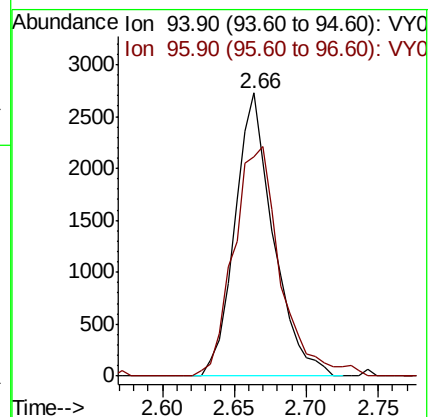
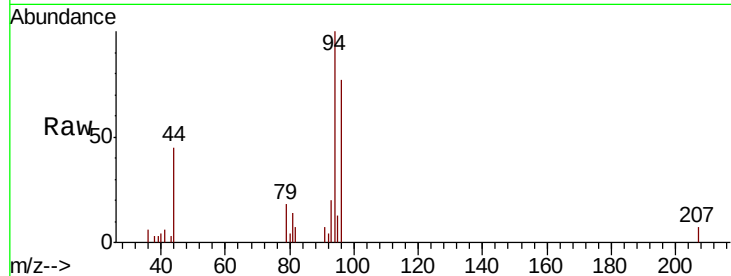
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 94 Resp: 5082

Ion Ratio Lower Upper

94 100

96 77.3 73.7 110.5



#6

Chloroethane

Concen: 3.224 ug/l

RT: 2.80 min Scan# 175

Delta R.T. -0.01 min

Lab File: VY001829.D

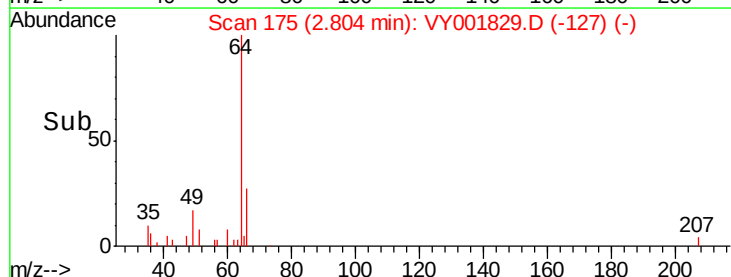
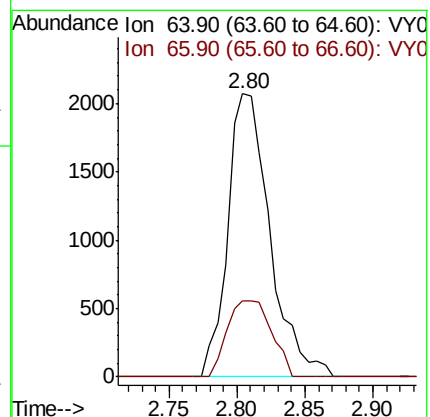
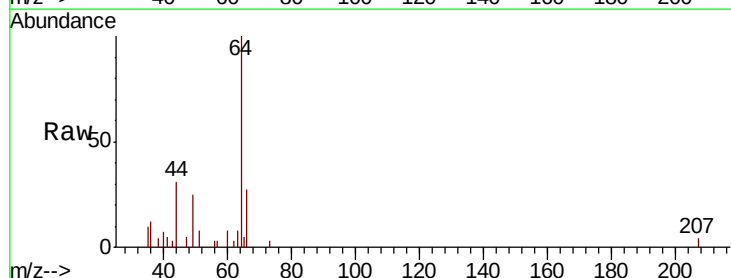
Acq: 03 Mar 2020 13:09

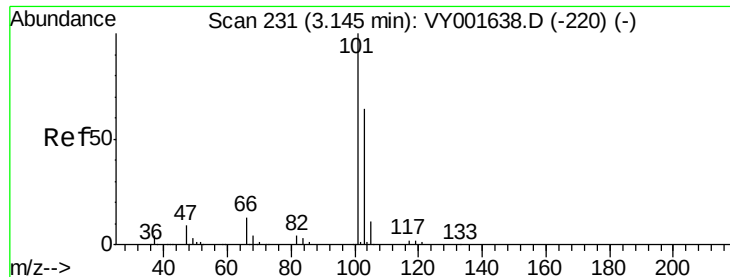
Tgt Ion: 64 Resp: 4476

Ion Ratio Lower Upper

64 100

66 27.0 25.5 38.3





#7

Trichlorofluoromethane

Concen: 3.758 ug/l

RT: 3.13 min Scan# 229

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

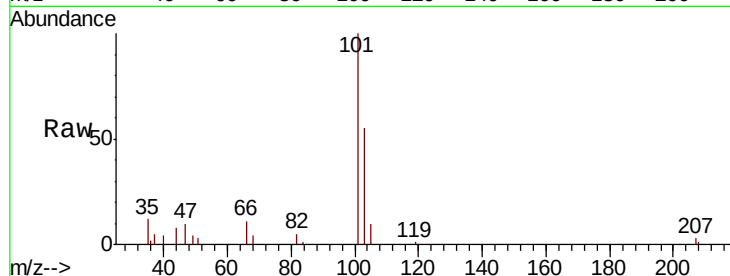
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:101 Resp: 10835

Ion Ratio Lower Upper

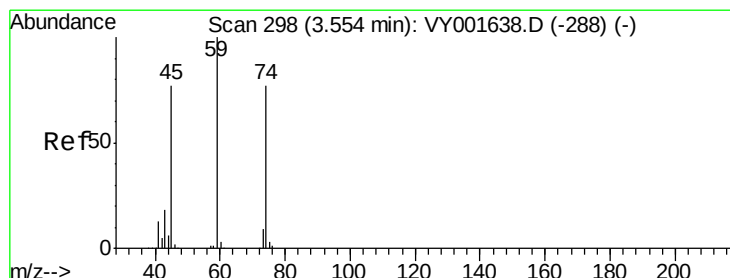
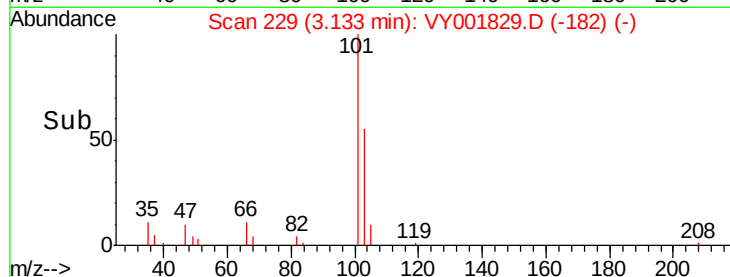
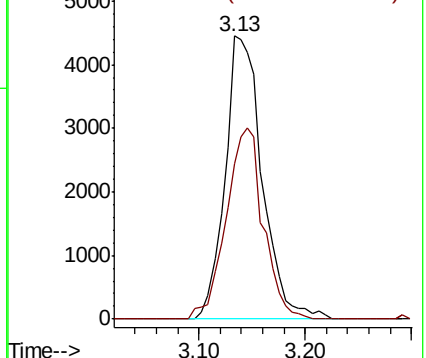
101 100

103 54.8 52.2 78.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 3.128 ug/l

RT: 3.55 min Scan# 297

Delta R.T. -0.01 min

Lab File: VY001829.D

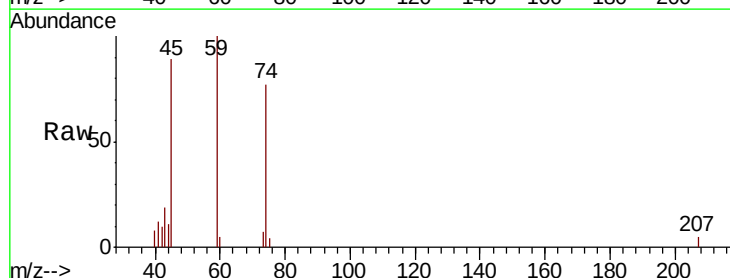
Acq: 03 Mar 2020 13:09

Tgt Ion: 74 Resp: 3556

Ion Ratio Lower Upper

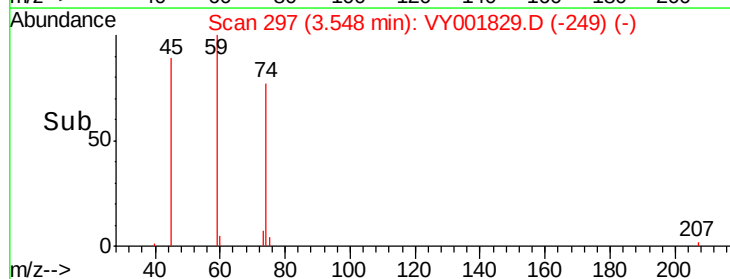
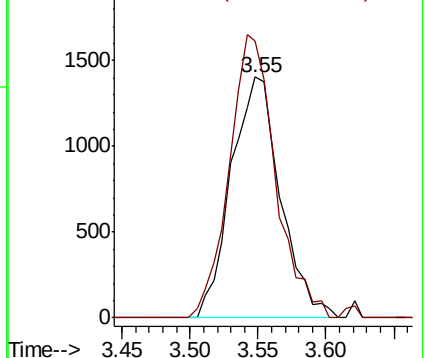
74 100

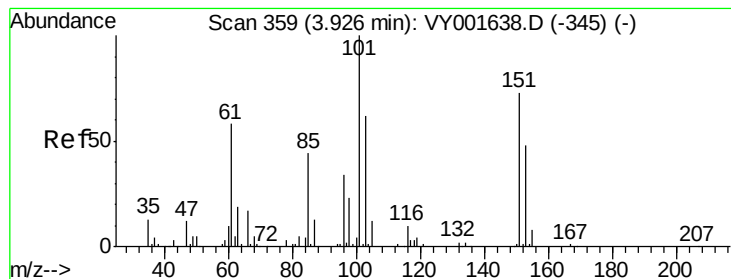
45 110.2 49.6 148.8



Abundance Ion 74.00 (73.70 to 74.70): VY0

Ion 45.00 (44.70 to 45.70): VY0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.475 ug/l

RT: 3.92 min Scan# 358

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

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MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

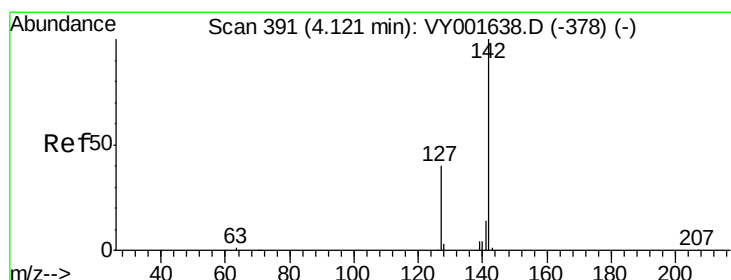
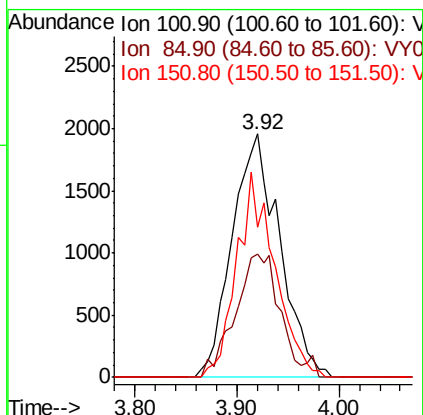
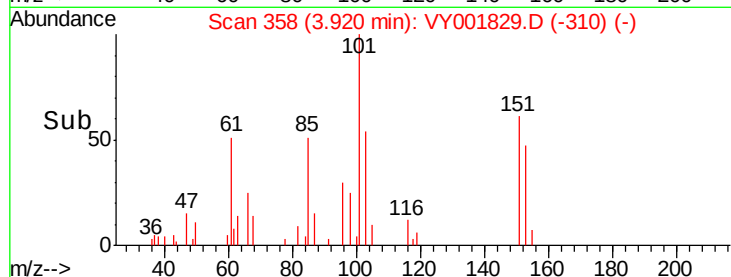
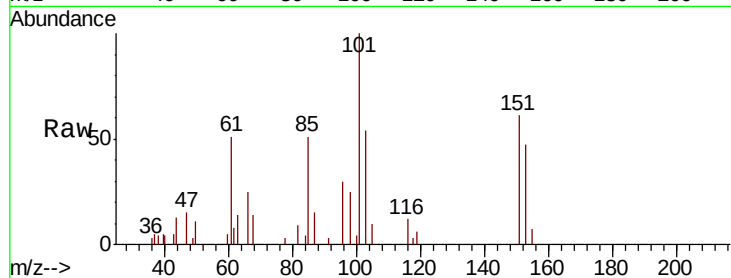
Tot Ion:101 Resp: 6298

Ion Ratio Lower Upper

101 100

85 47.3 35.1 52.7

151 67.5 58.4 87.6



#10

Methyl Iodide

Concen: 2.518 ug/l

RT: 4.11 min Scan# 390

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

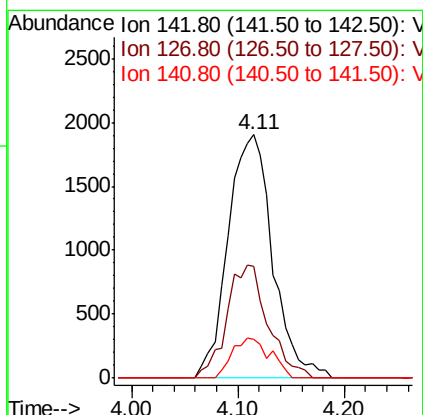
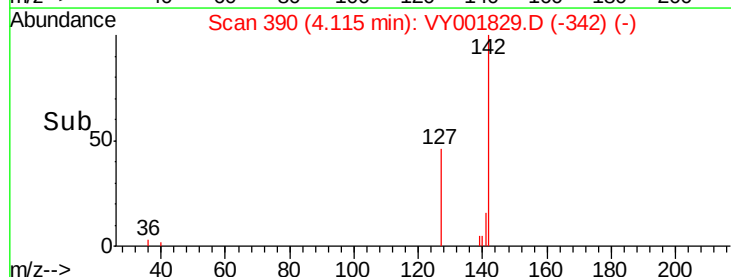
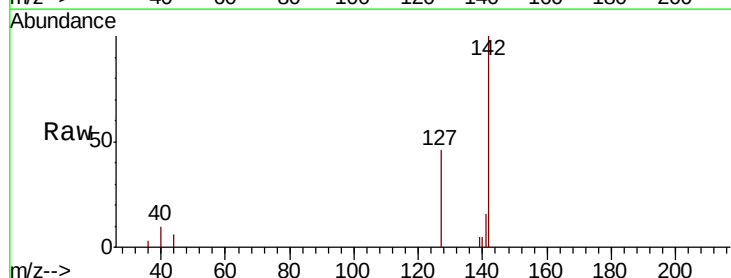
Tgt Ion:142 Resp: 5586

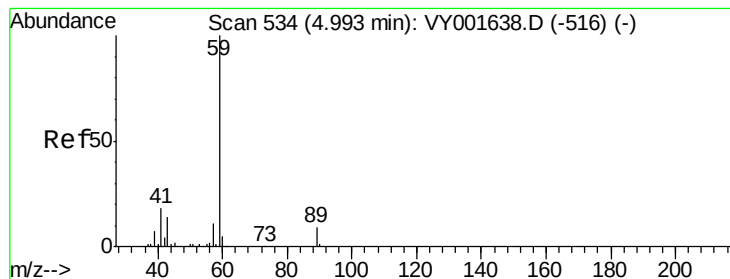
Ion Ratio Lower Upper

142 100

127 42.9 32.1 48.1

141 14.1 11.3 16.9





#11

Tert butyl alcohol

Concen: 32.776 ug/l

RT: 4.96 min Scan# 529

Delta R.T. -0.03 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

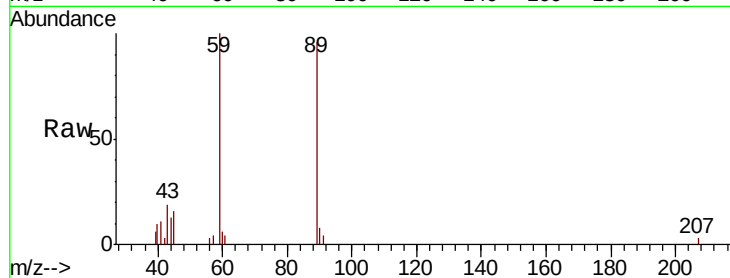
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 59 Resp: 8334

Ion Ratio Lower Upper

59 100

57 3.0 7.4 11.2#



Abundance Ion 59.00 (58.70 to 59.70): VY0

Ion 57.00 (56.70 to 57.70): VY0

4.96

2000

1500

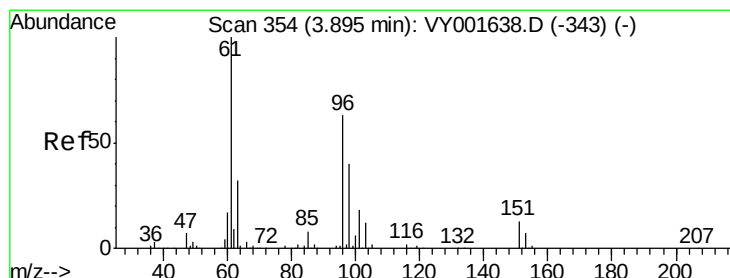
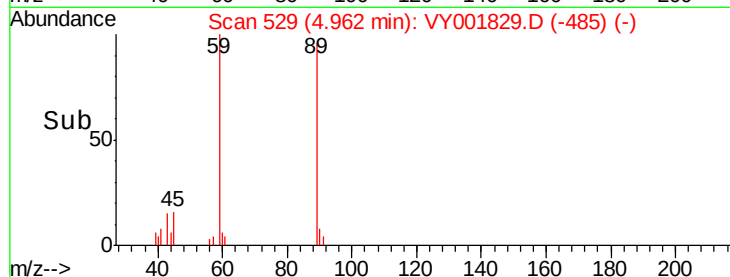
1000

500

0

4.80 4.90 5.00 5.10

Time-->



#12

1,1-Dichloroethene

Concen: 3.314 ug/l

RT: 3.90 min Scan# 354

Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

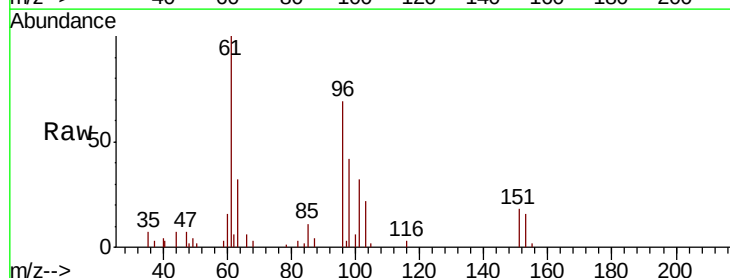
Tgt Ion: 96 Resp: 6126

Ion Ratio Lower Upper

96 100

61 144.6 128.7 193.1

98 60.9 50.7 76.1



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

5000

4000

3000

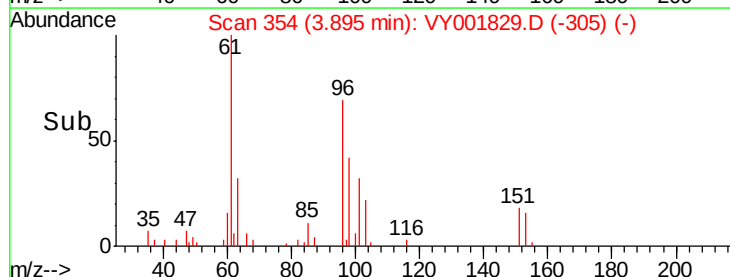
2000

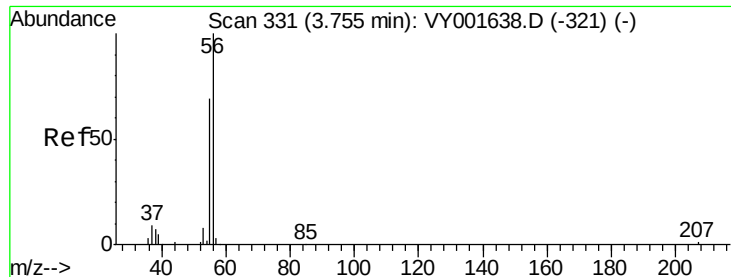
1000

0

3.80 3.85 3.90 3.95 4.00

Time-->





#13

Acrolein

Concen: 11.498 ug/l

RT: 3.75 min Scan# 330

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

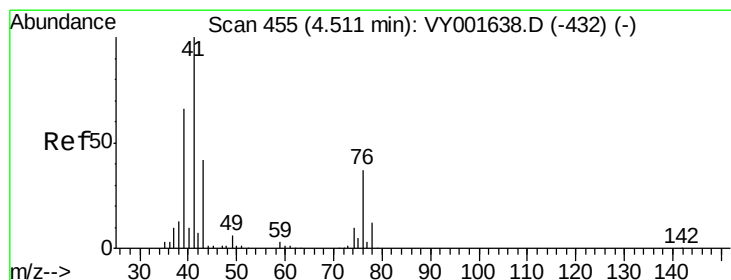
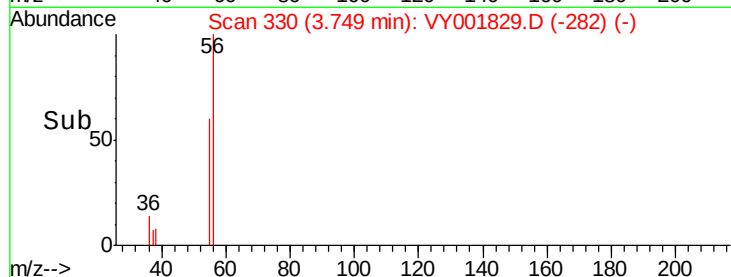
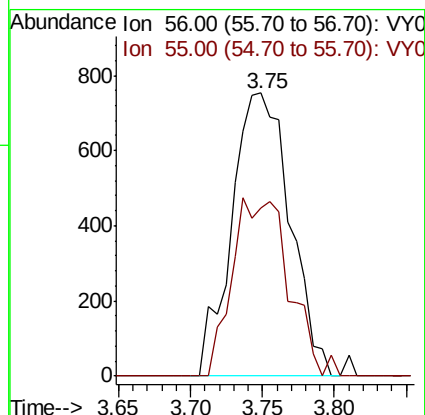
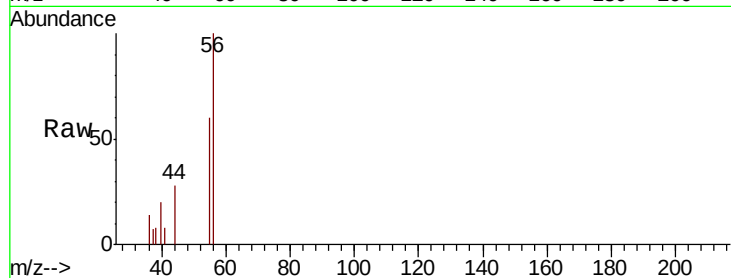
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 56 Resp: 2128

Ion Ratio Lower Upper

56 100

55 61.1 56.1 84.1



#14

Allyl chloride

Concen: 3.219 ug/l

RT: 4.50 min Scan# 453

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

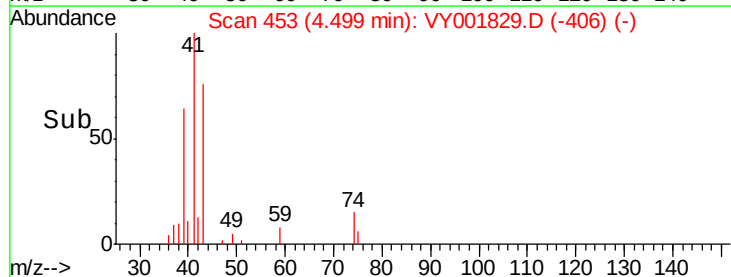
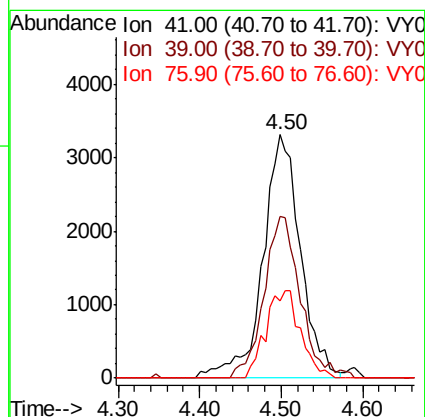
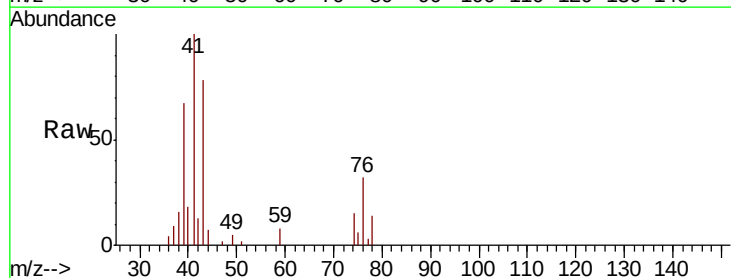
Tgt Ion: 41 Resp: 10589

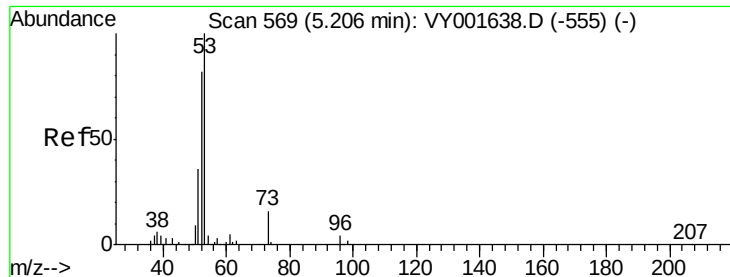
Ion Ratio Lower Upper

41 100

39 64.4 49.4 74.0

76 33.2 29.0 43.6





#15

Acrylonitrile

Concen: 17.340 ug/l

RT: 5.20 min Scan# 568

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

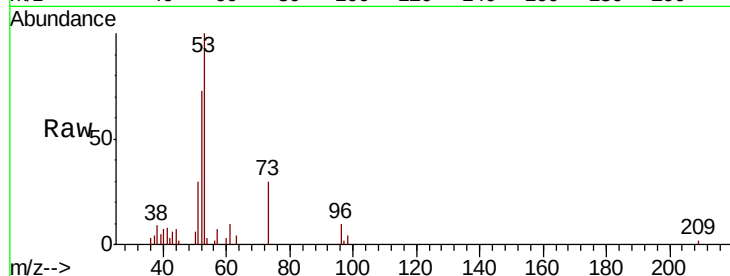
Tot Ion: 53 Resp: 10103

Ion Ratio Lower Upper

53 100

52 80.2 65.4 98.0

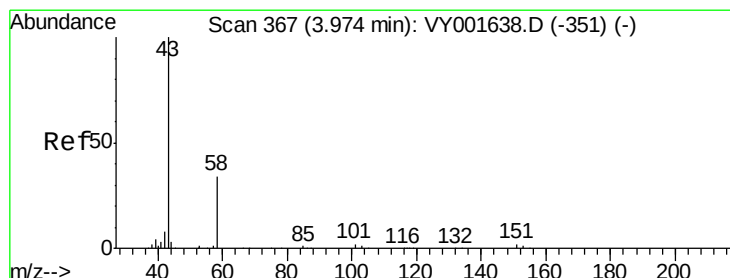
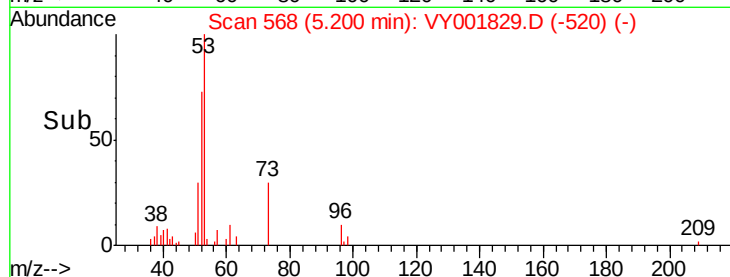
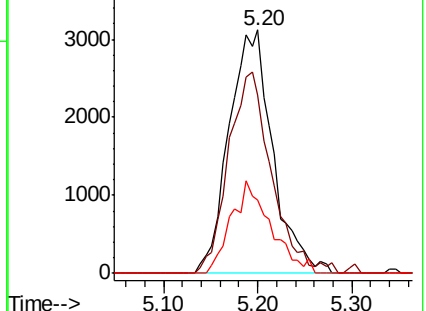
51 34.3 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VY0

Ion 52.00 (51.70 to 52.70): VY0

Ion 51.00 (50.70 to 51.70): VY0



#16

Acetone

Concen: 16.169 ug/l

RT: 3.97 min Scan# 366

Delta R.T. -0.01 min

Lab File: VY001829.D

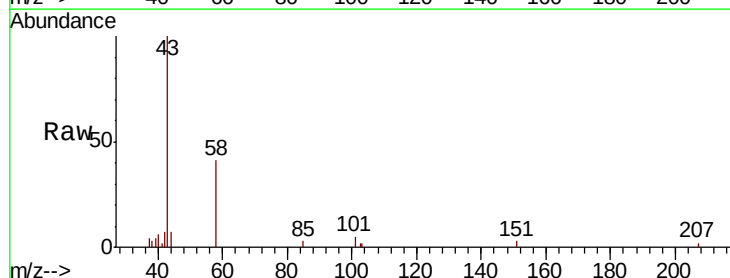
Acq: 03 Mar 2020 13:09

Tgt Ion: 43 Resp: 10252

Ion Ratio Lower Upper

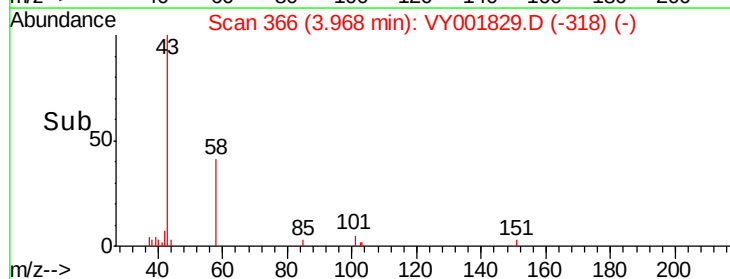
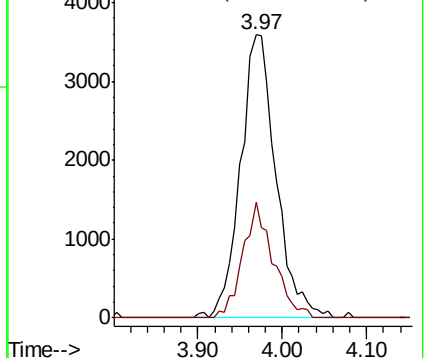
43 100

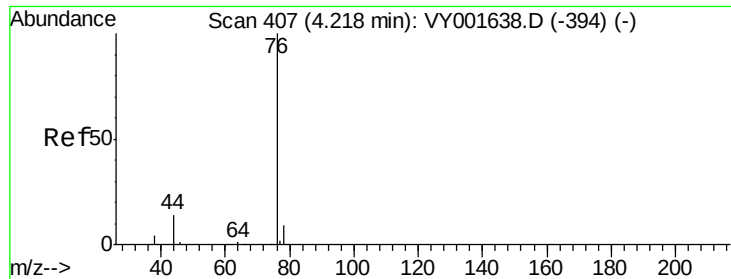
58 40.8 27.3 40.9



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 58.00 (57.70 to 58.70): VY0

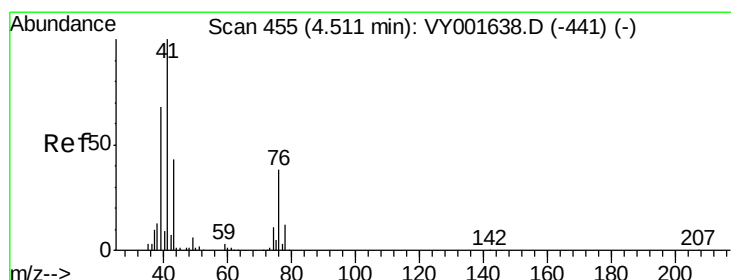
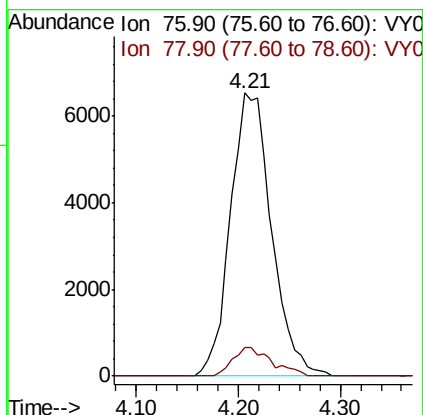
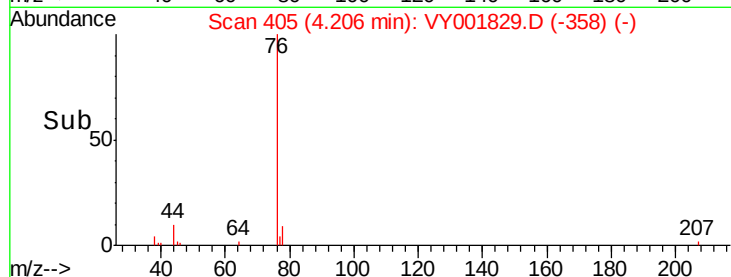
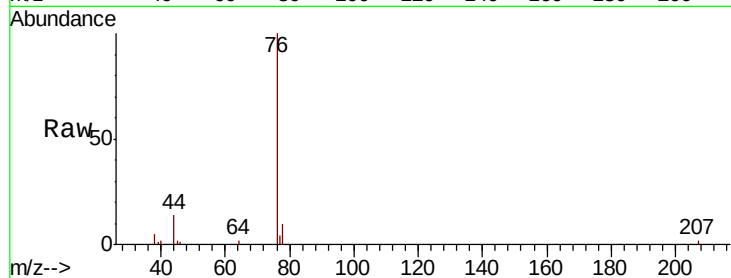




#17
Carbon Disulfide
Concen: 2.960 ug/l
RT: 4.21 min Scan# 405
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

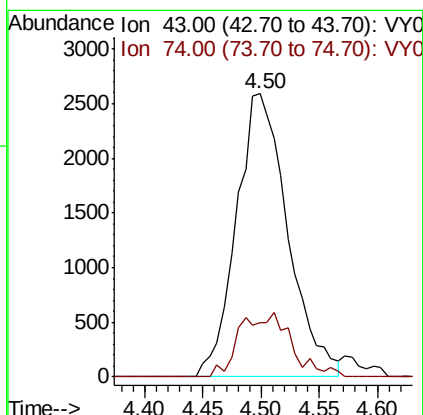
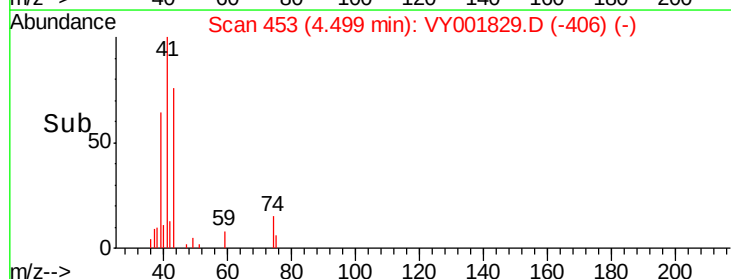
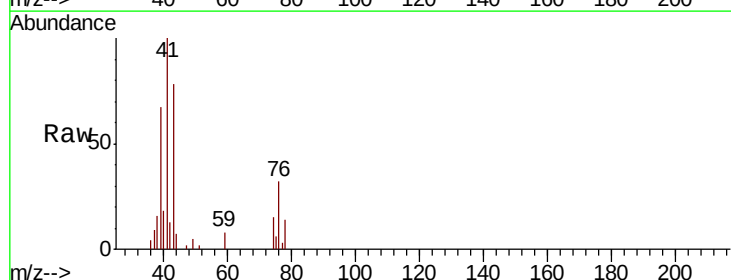
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

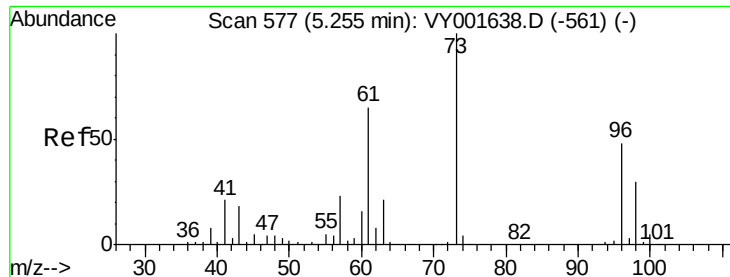
Tot Ion: 76 Resp: 18264
Ion Ratio Lower Upper
76 100
78 10.3 7.3 10.9



#18
Methyl Acetate
Concen: 5.774 ug/l
RT: 4.50 min Scan# 453
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 43 Resp: 7973
Ion Ratio Lower Upper
43 100
74 8.4 19.1 28.7#

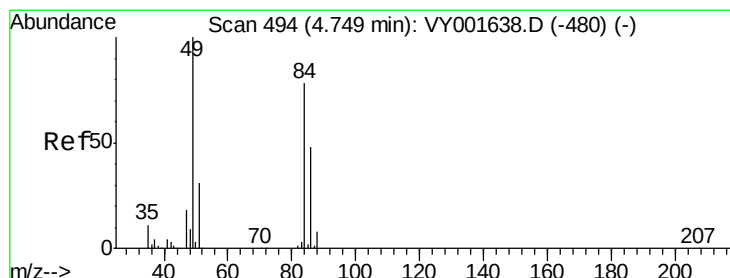
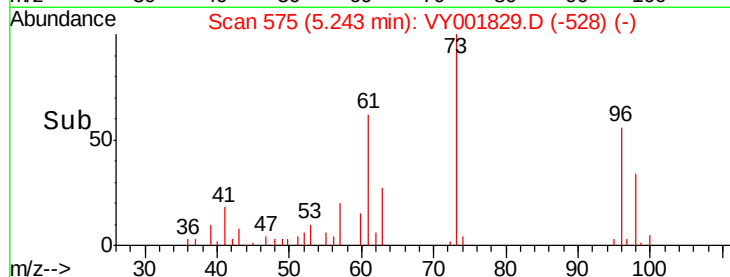
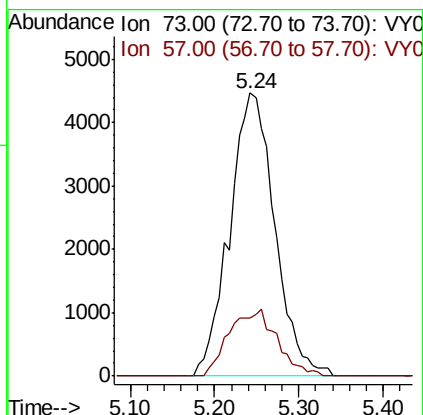
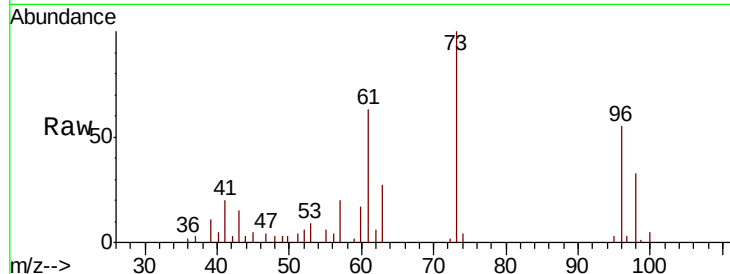




#19
Methyl tert-butyl Ether
Concen: 3.165 ug/l
RT: 5.24 min Scan# 575
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

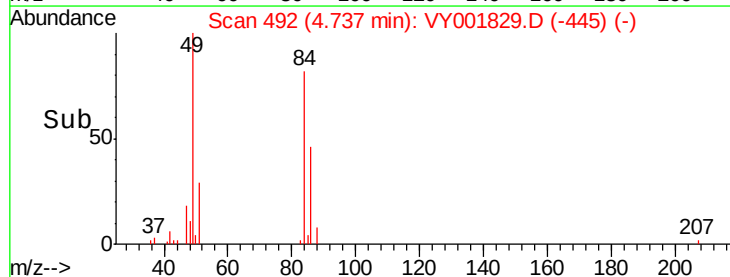
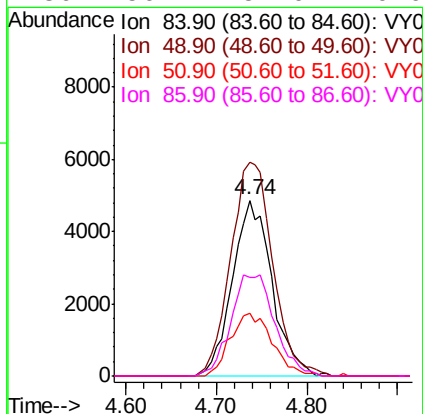
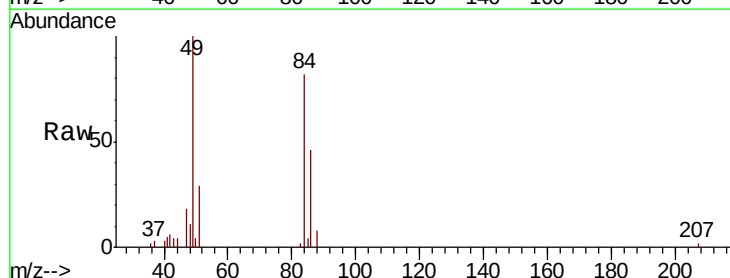
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

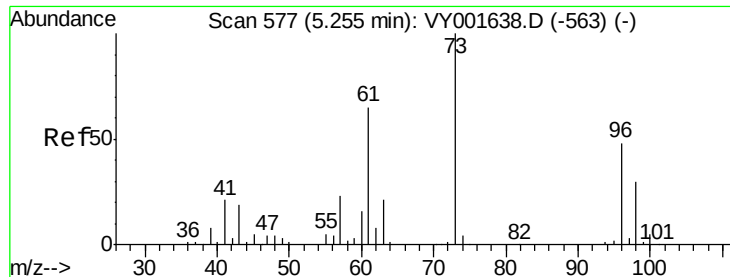
Tot Ion: 73 Resp: 16287
Ion Ratio Lower Upper
73 100
57 20.5 19.0 28.6



#20
Methylene Chloride
Concen: 6.516 ug/l
RT: 4.74 min Scan# 492
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 84 Resp: 14676
Ion Ratio Lower Upper
84 100
49 121.8 99.2 148.8
51 35.7 31.5 47.3
86 56.2 51.0 76.6





#21

trans-1,2-Dichloroethene

Concen: 3.248 ug/l

RT: 5.24 min Scan# 575

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

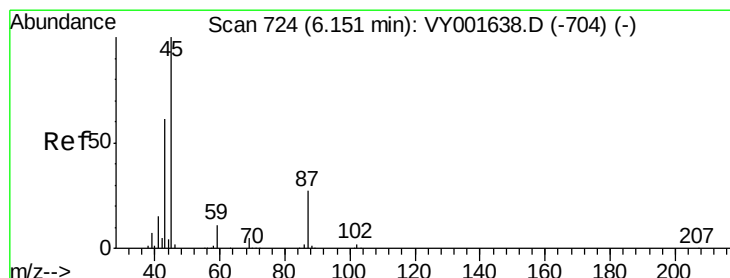
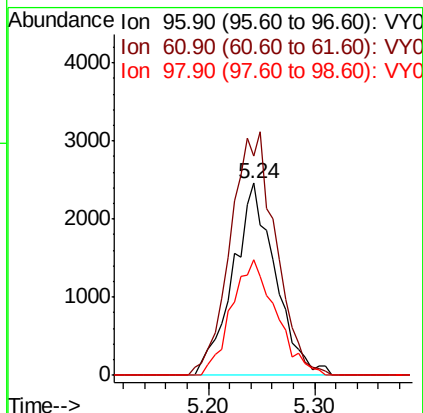
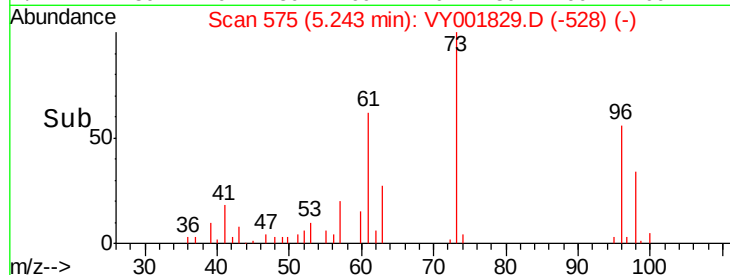
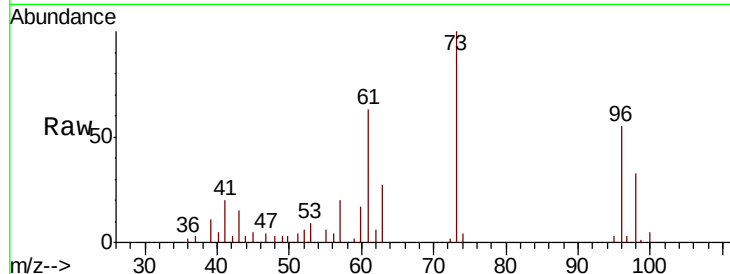
Tot Ion: 96 Resp: 6850

Ion Ratio Lower Upper

96 100

61 114.3 107.9 161.9

98 60.5 49.8 74.8



#22

Diisopropyl ether

Concen: 3.200 ug/l

RT: 6.14 min Scan# 723

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Tgt Ion: 45 Resp: 21620

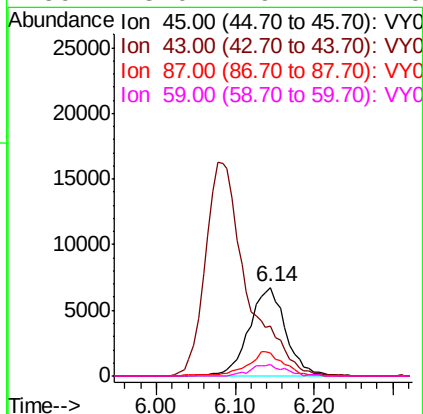
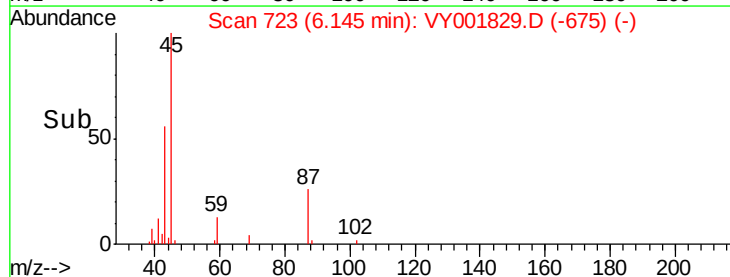
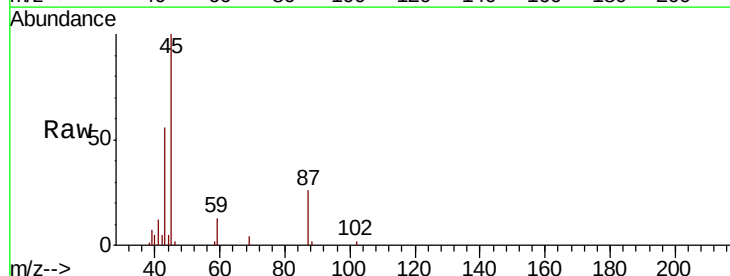
Ion Ratio Lower Upper

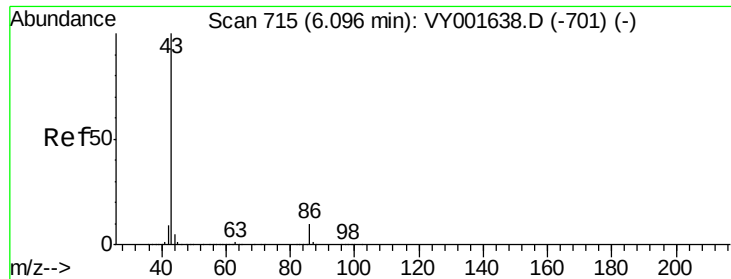
45 100

43 54.4 46.4 69.6

87 25.6 22.1 33.1

59 13.0 9.4 14.0





#23

Vinyl Acetate

Concen: 13.434 ug/l

RT: 6.08 min Scan# 712

Delta R.T. -0.02 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

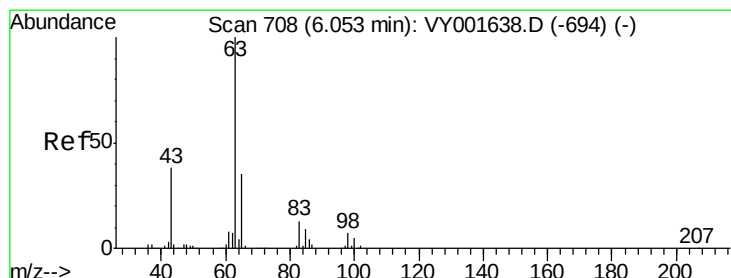
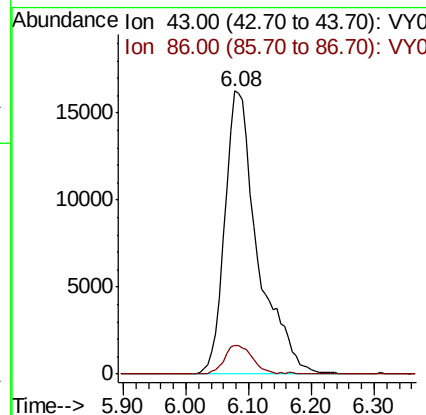
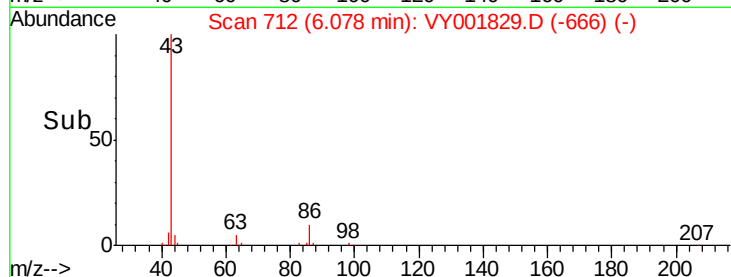
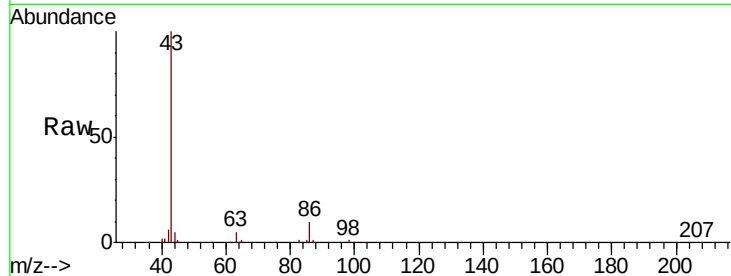
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 59202

Ion Ratio Lower Upper

43 100

86 10.0 8.8 13.2



#24

1,1-Dichloroethane

Concen: 3.182 ug/l

RT: 6.04 min Scan# 706

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

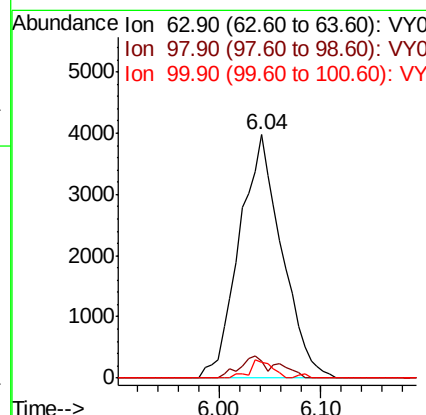
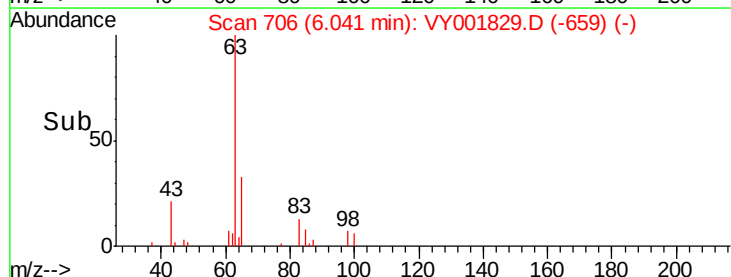
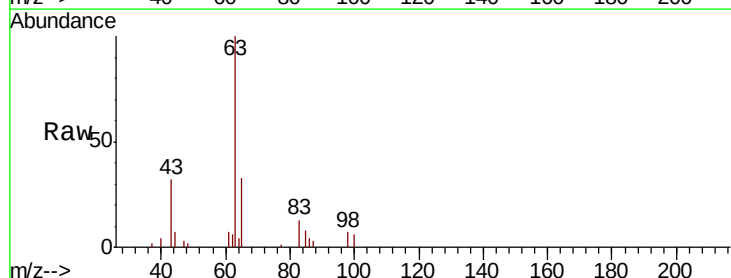
Tgt Ion: 63 Resp: 11488

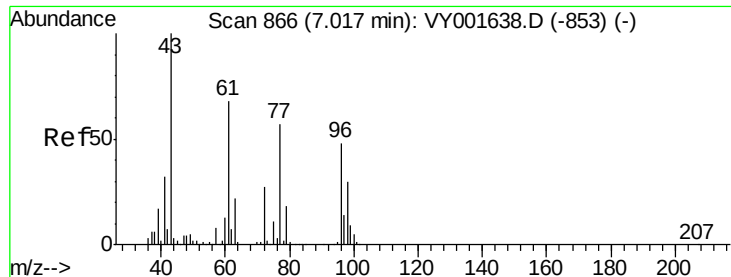
Ion Ratio Lower Upper

63 100

98 6.9 3.4 10.2

100 6.4 2.3 6.9





#25

2-Butanone

Concen: 16.840 ug/l

RT: 7.00 min Scan# 864

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

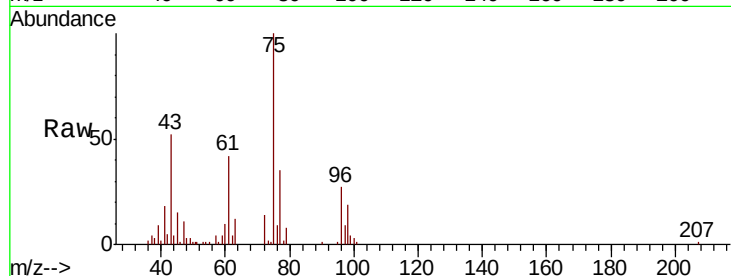
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 43 Resp: 14505

Ion Ratio Lower Upper

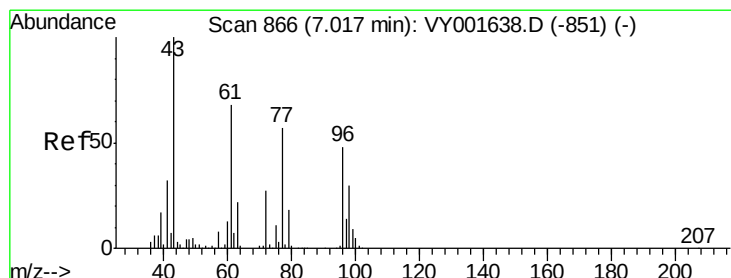
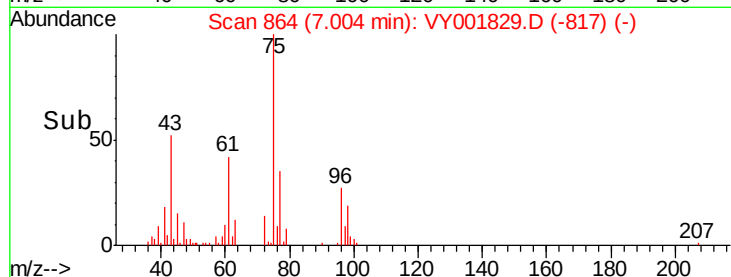
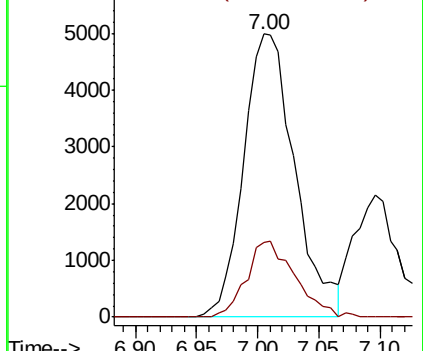
43 100

72 26.3 21.2 31.8



Abundance Ion 43.00 (42.70 to 43.70): VY0

Ion 72.00 (71.70 to 72.70): VY0



#26

2,2-Dichloropropane

Concen: 3.389 ug/l

RT: 7.00 min Scan# 863

Delta R.T. -0.02 min

Lab File: VY001829.D

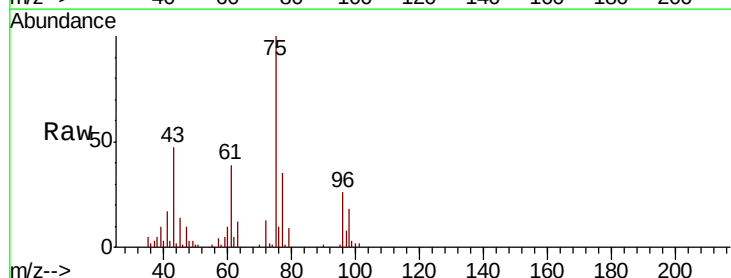
Acq: 03 Mar 2020 13:09

Tgt Ion: 77 Resp: 10646

Ion Ratio Lower Upper

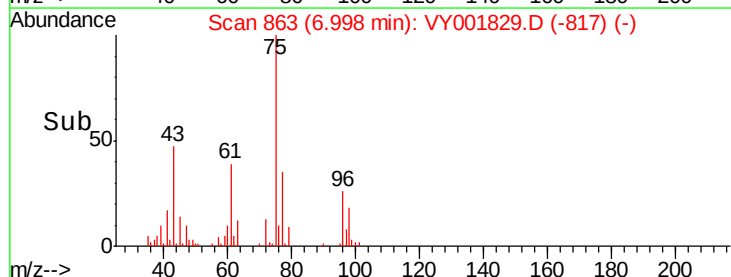
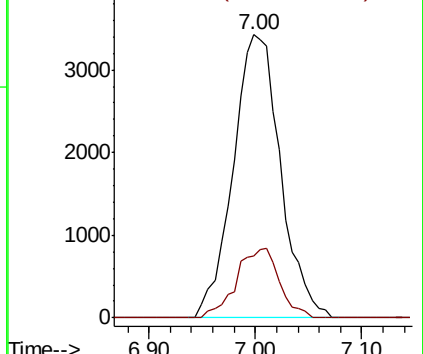
77 100

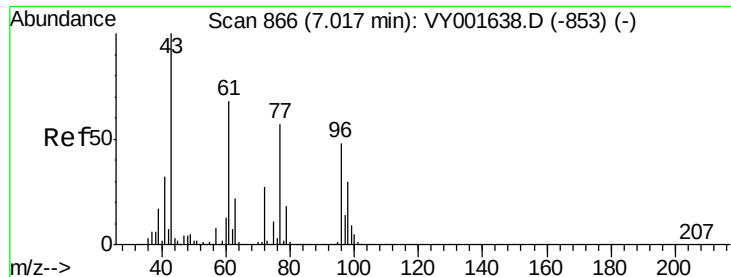
97 22.3 11.8 35.4



Abundance Ion 76.90 (76.60 to 77.60): VY0

Ion 96.90 (96.60 to 97.60): VY0



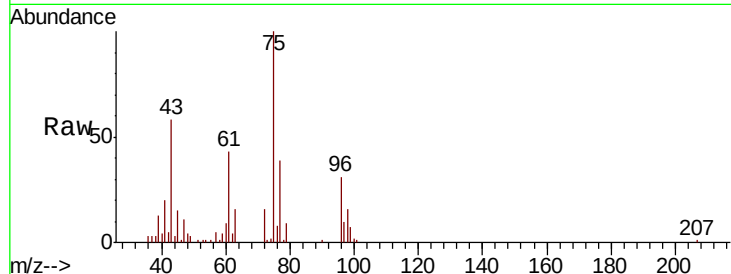


#27

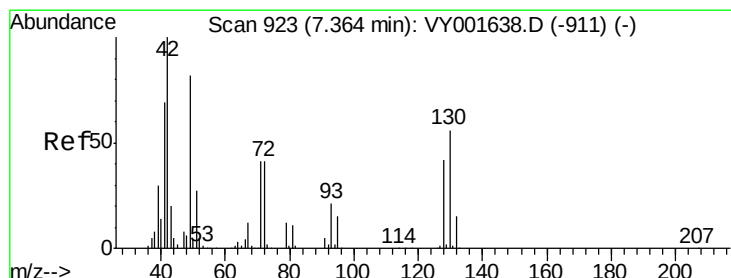
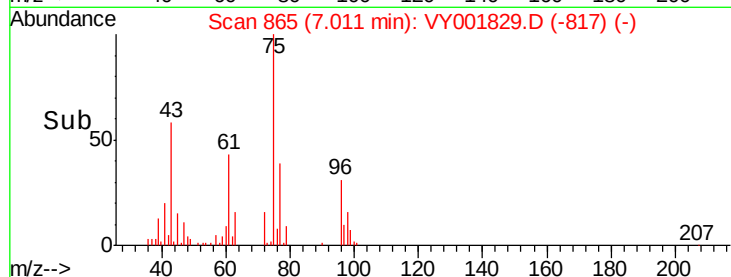
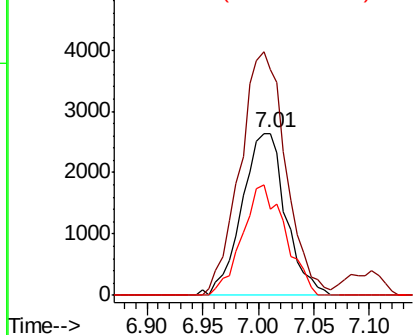
cis-1,2-Dichloroethene
 Concen: 3.108 ug/l
 RT: 7.01 min Scan# 865
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
96	100		
61	157.8	0.0	290.8
98	66.8	0.0	128.6



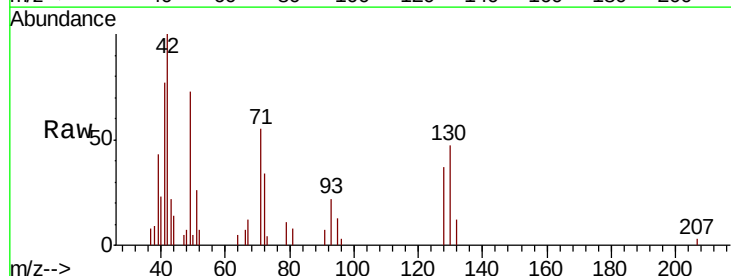
Abundance Ion 95.90 (95.60 to 96.60): VY0
 Ion 60.90 (60.60 to 61.60): VY0
 Ion 97.90 (97.60 to 98.60): VY0



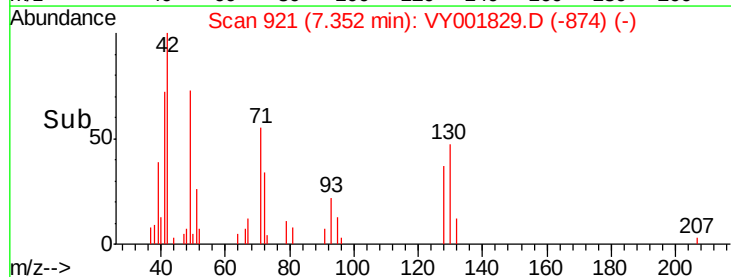
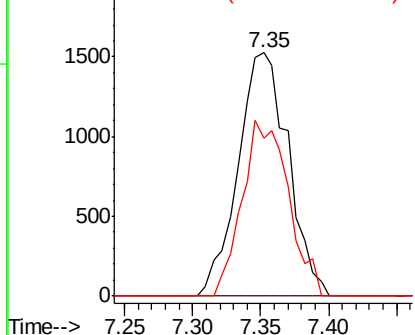
#28

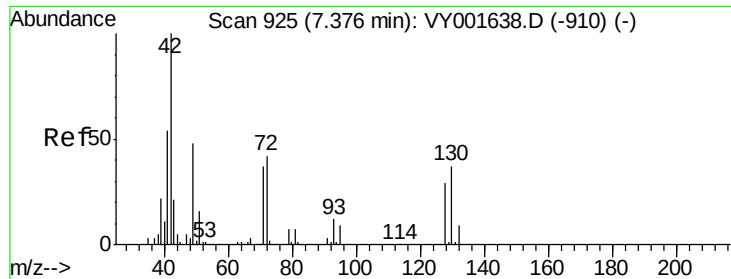
Bromochloromethane
 Concen: 2.615 ug/l
 RT: 7.35 min Scan# 921
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	3.6
130	66.5	56.2	84.4



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

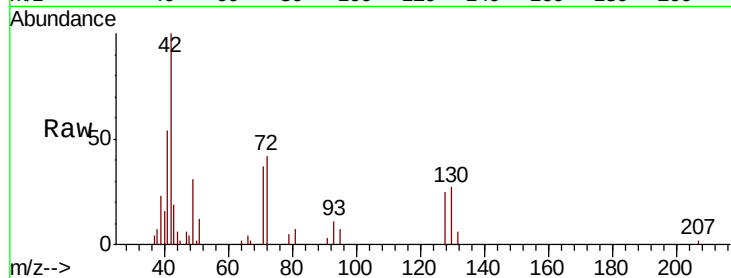




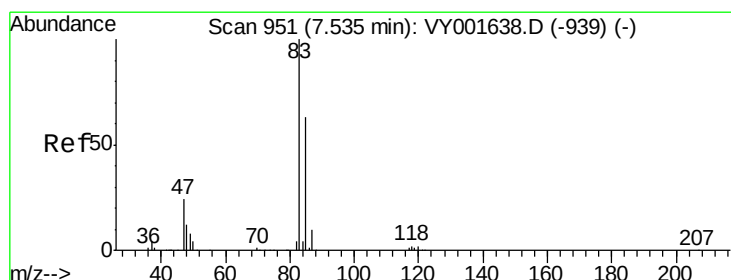
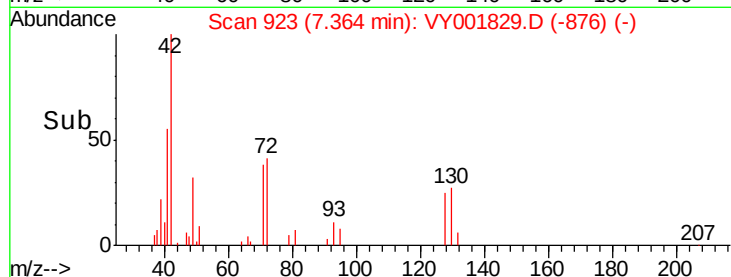
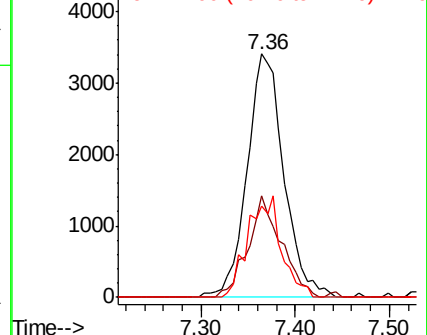
#29
Tetrahydrofuran
Concen: 17.894 ug/l
RT: 7.36 min Scan# 923
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion: 42 Resp: 9316
Ion Ratio Lower Upper
42 100
72 37.9 34.4 51.6
71 37.9 31.8 47.8

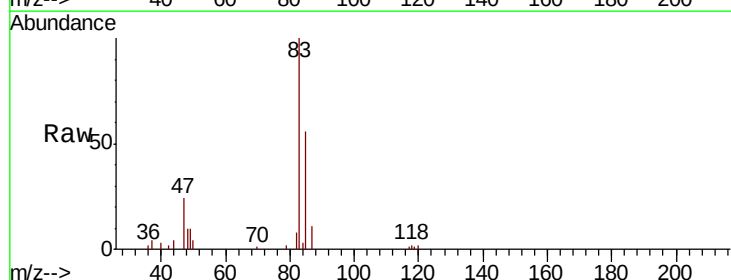


Abundance Ion 42.00 (41.70 to 42.70): VY0
Ion 72.00 (71.70 to 72.70): VY0
Ion 71.00 (70.70 to 71.70): VY0

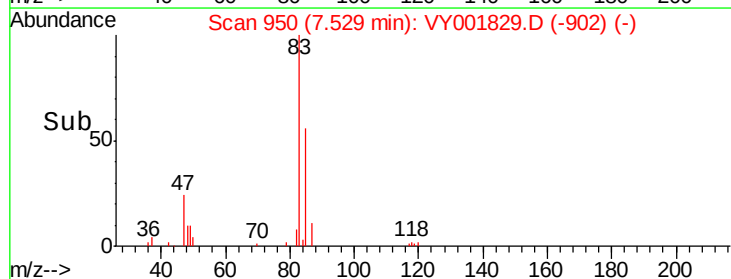
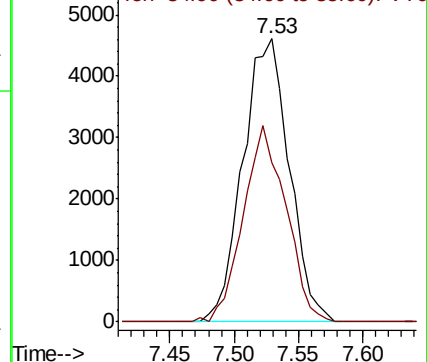


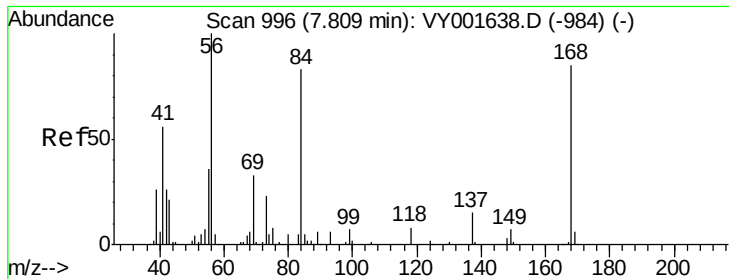
#30
Chloroform
Concen: 3.262 ug/l
RT: 7.53 min Scan# 950
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 83 Resp: 11510
Ion Ratio Lower Upper
83 100
85 56.1 51.6 77.4



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





#31

Cyclohexane

Concen: 4.042 ug/l

RT: 7.80 min Scan# 994

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

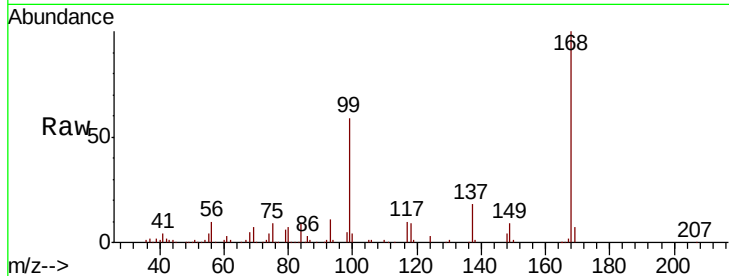
Tot Ion: 56 Resp: 15560

Ion Ratio Lower Upper

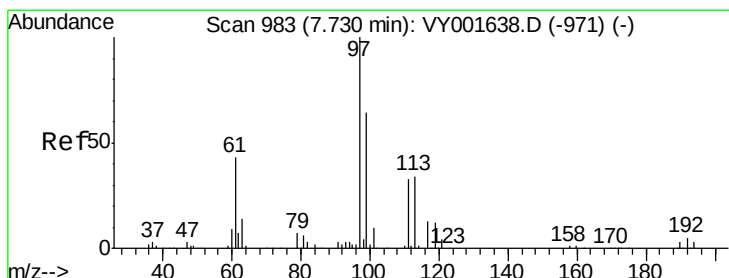
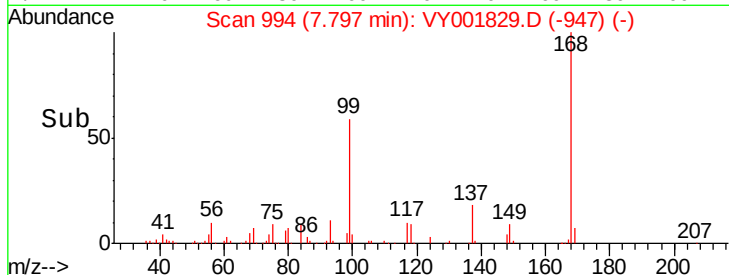
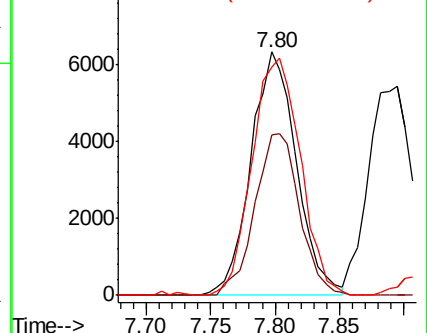
56 100

69 65.9 25.1 37.7#

84 93.6 66.9 100.3



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: 3.091 ug/l

RT: 7.72 min Scan# 981

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

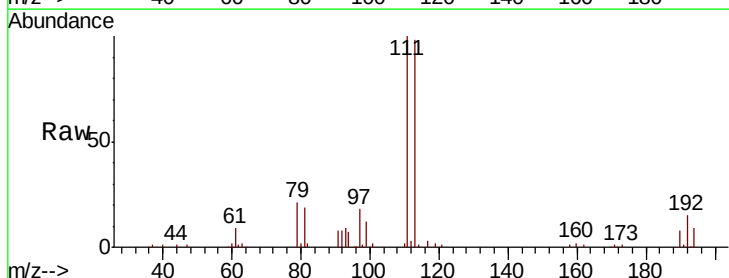
Tgt Ion: 97 Resp: 9167

Ion Ratio Lower Upper

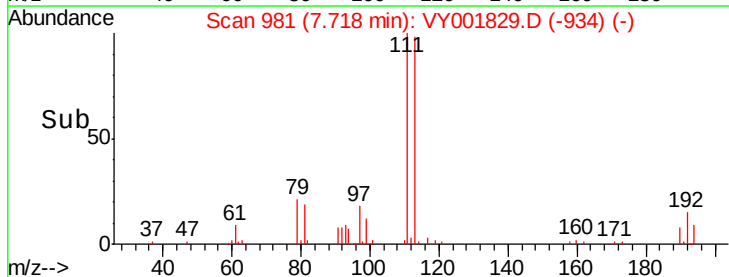
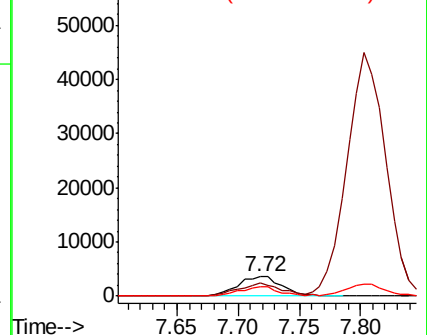
97 100

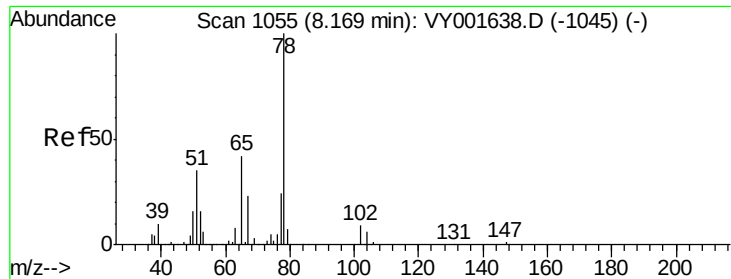
99 63.2 51.2 76.8

61 42.6 35.0 52.6



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

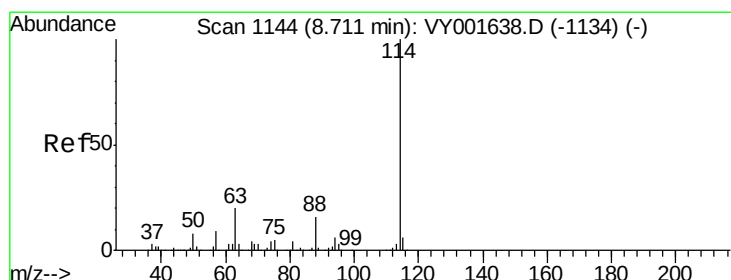
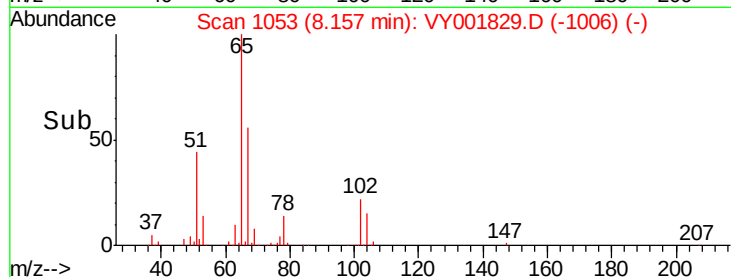
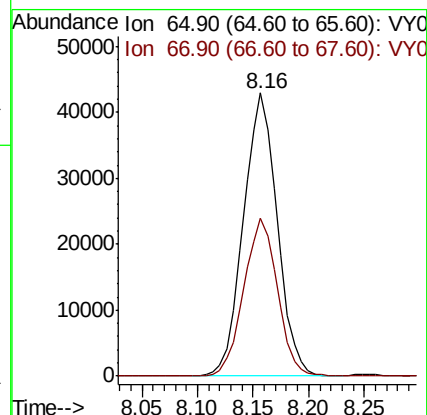
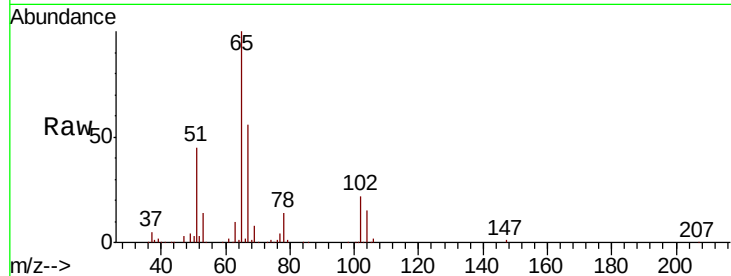




#33
 1,2-Dichloroethane-d4
 Concen: 49.455 ug/l
 RT: 8.16 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

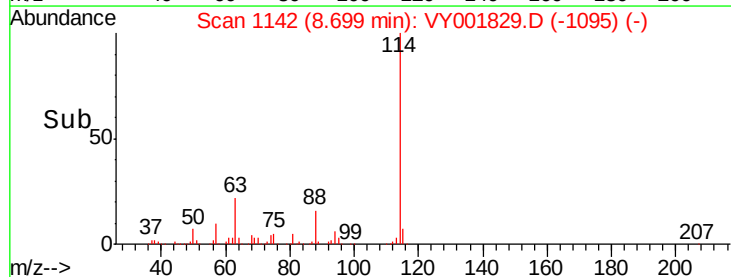
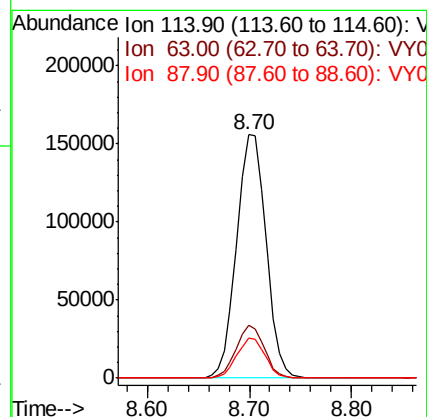
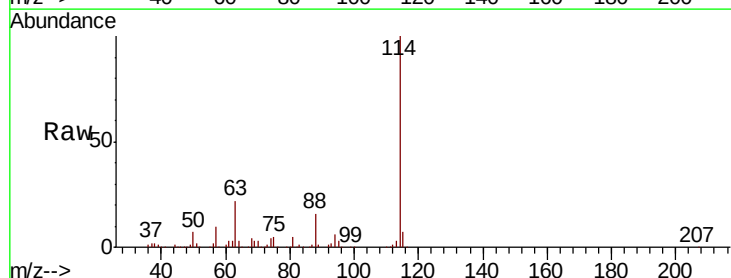
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

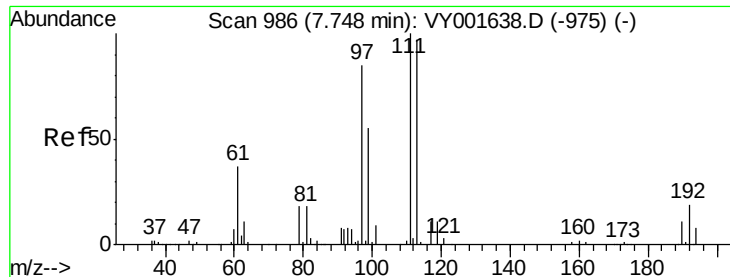
Tot Ion: 65 Resp: 90626
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.70 min Scan# 1142
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion: 114 Resp: 311186
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 41.4
 88 16.5 0.0 32.8

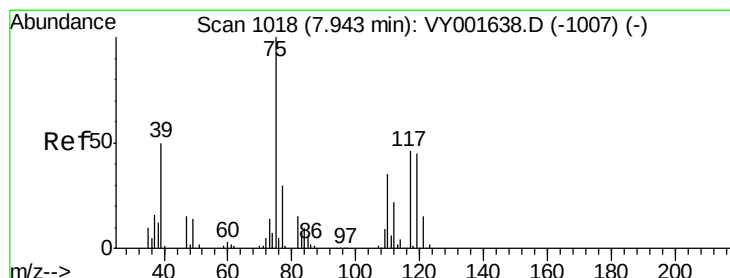
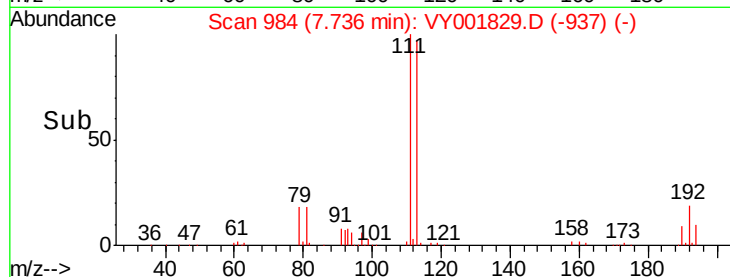
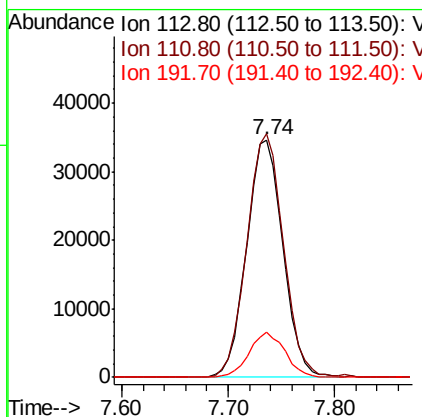
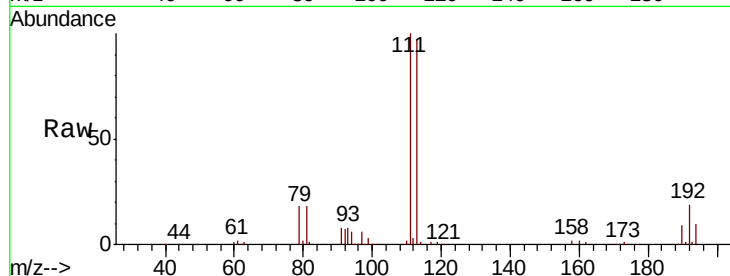




#35
 Dibromofluoromethane
 Concen: 46.707 ug/l
 RT: 7.74 min Scan# 984
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

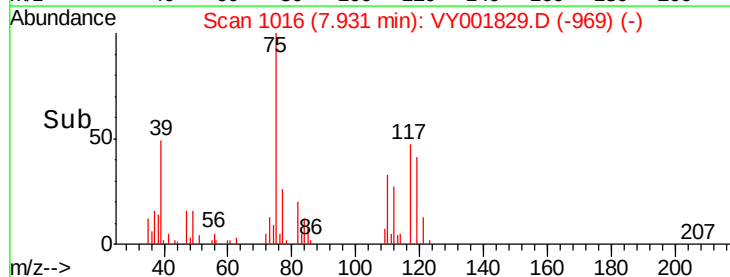
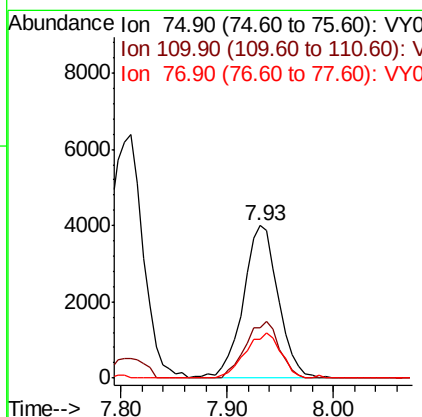
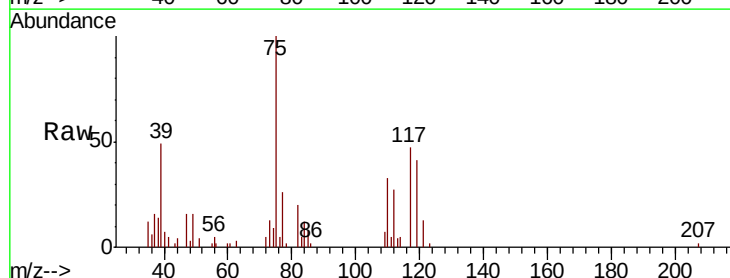
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

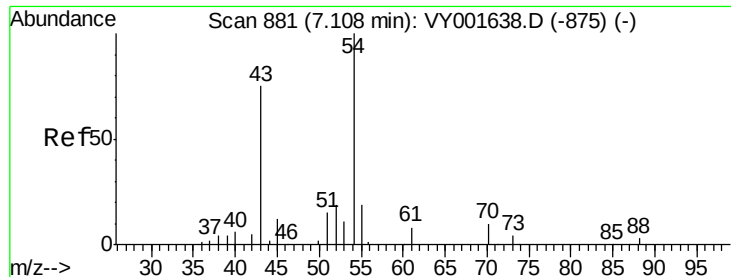
Tot Ion:113 Resp: 83247
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.9 122.9
 192 18.6 14.3 21.5



#36
 1,1-Dichloropropene
 Concen: 3.109 ug/l
 RT: 7.93 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion: 75 Resp: 9241
 Ion Ratio Lower Upper
 75 100
 110 35.9 17.2 51.6
 77 29.8 24.8 37.2

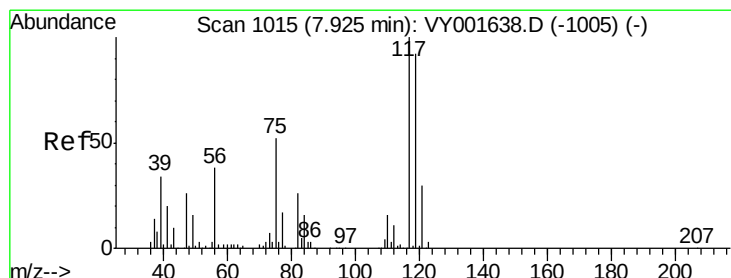
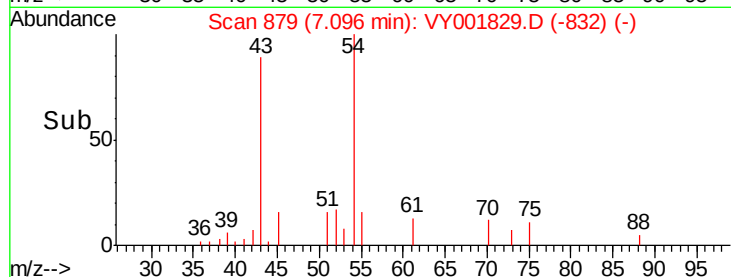
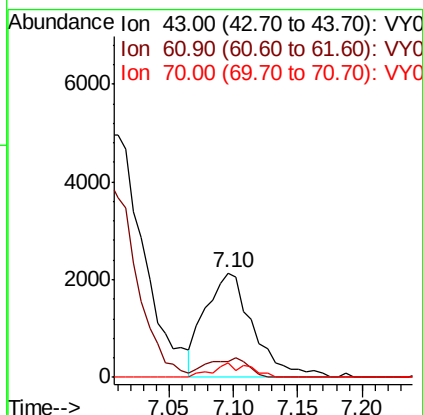
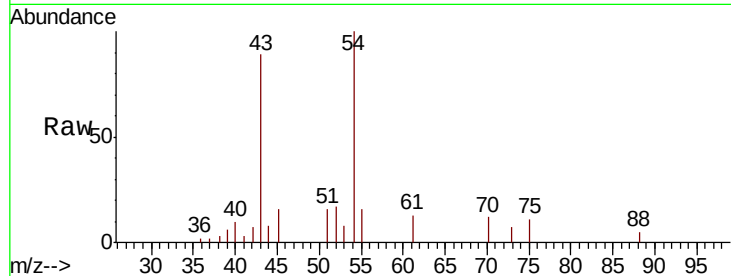




#37
Ethyl Acetate
Concen: 3.129 ug/l
RT: 7.10 min Scan# 879
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

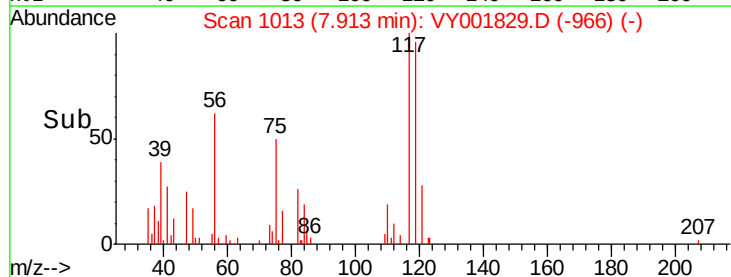
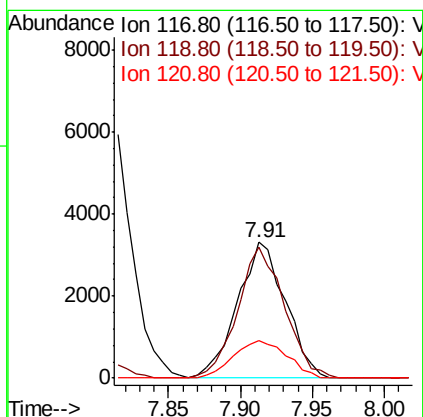
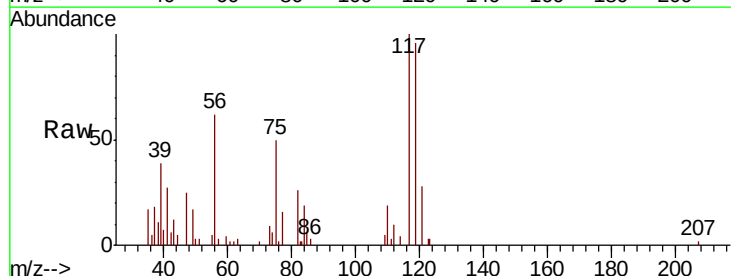
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

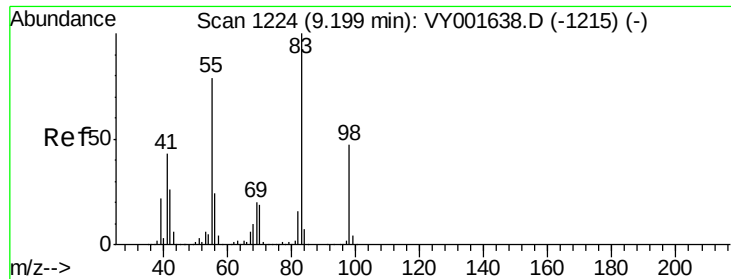
Tot Ion: 43 Resp: 5551
Ion Ratio Lower Upper
43 100
61 15.7 11.0 16.6
70 10.5 8.8 13.2



#38
Carbon Tetrachloride
Concen: 2.943 ug/l
RT: 7.91 min Scan# 1013
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 117 Resp: 7685
Ion Ratio Lower Upper
117 100
119 96.5 74.8 112.2
121 28.0 23.8 35.6

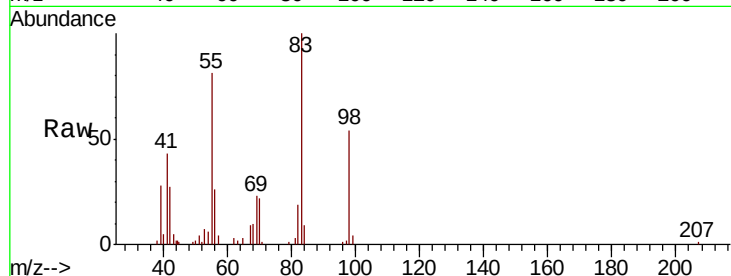




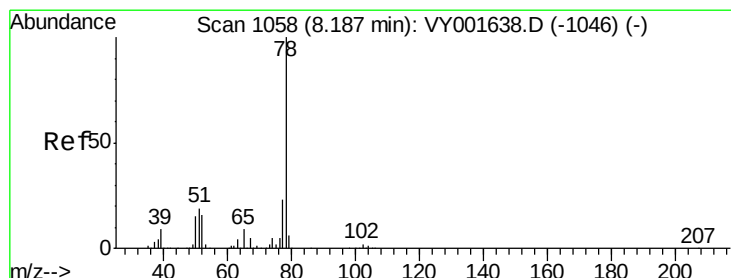
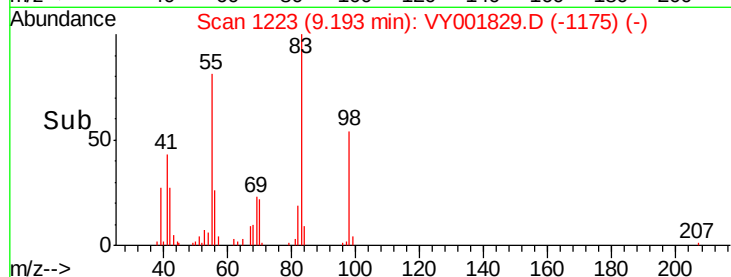
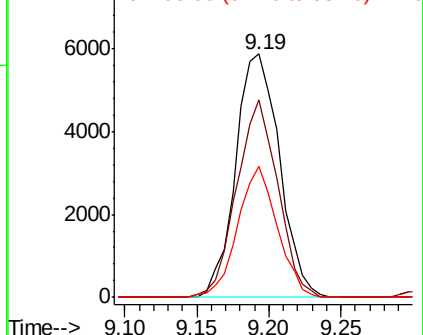
#39
Methylvlcyclohexane
Concen: 3.150 ug/l
RT: 9.19 min Scan# 1223
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion: 83 Resp: 12423
Ion Ratio Lower Upper
83 100
55 80.9 61.3 91.9
98 53.7 38.0 57.0

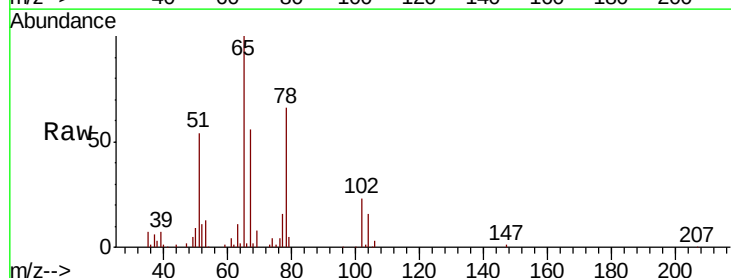


Abundance Ion 83.00 (82.70 to 83.70): VY0
Ion 55.00 (54.70 to 55.70): VY0
Ion 98.00 (97.70 to 98.70): VY0

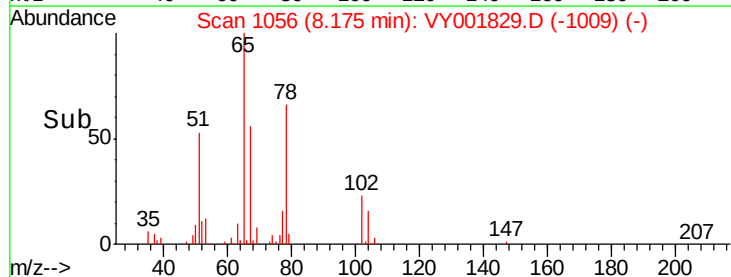
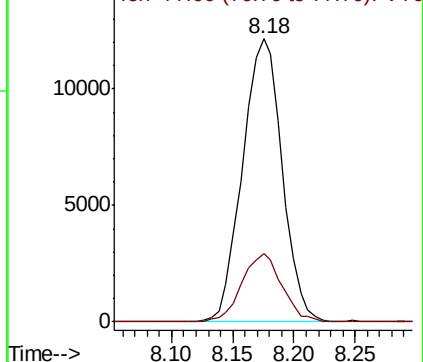


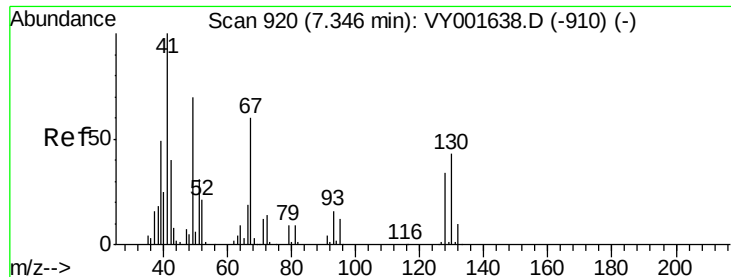
#40
Benzene
Concen: 3.133 ug/l
RT: 8.18 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 78 Resp: 27390
Ion Ratio Lower Upper
78 100
77 23.9 18.2 27.4



Abundance Ion 78.00 (77.70 to 78.70): VY0
Ion 77.00 (76.70 to 77.70): VY0





#41

Methacrylonitrile

Concen: 8.966 ug/l

RT: 7.36 min Scan# 923

Delta R.T. 0.02 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 41 Resp: 7987

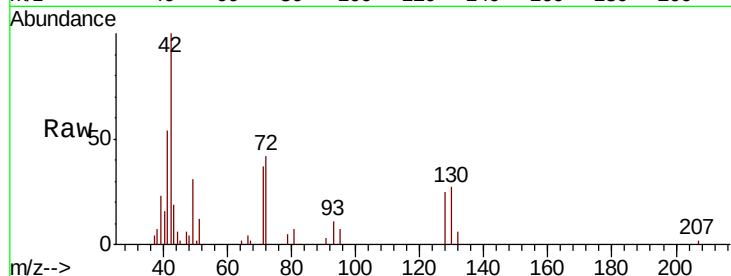
Ion Ratio Lower Upper

41 100

39 0.0 36.0 54.0#

67 0.0 0.0 0.0

52 0.0 0.0 0.0

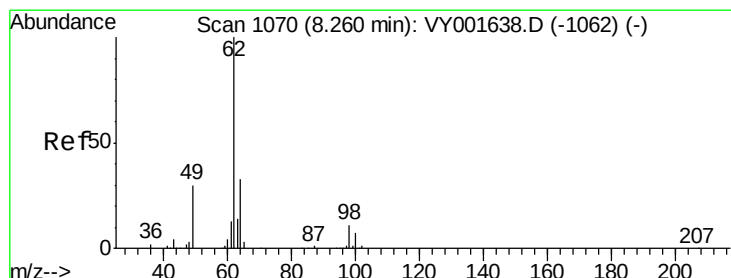
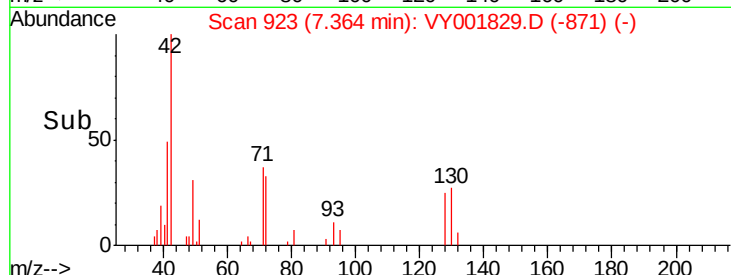
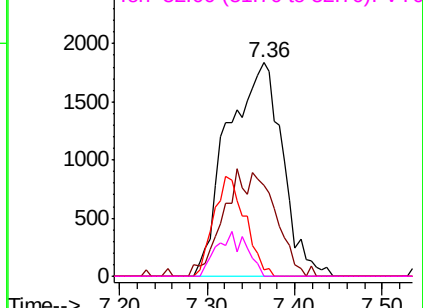


Abundance Ion 41.00 (40.70 to 41.70): VY001638.D (-910) (-)

Ion 39.00 (38.70 to 39.70): VY001638.D (-910) (-)

Ion 67.00 (66.70 to 67.70): VY001638.D (-910) (-)

Ion 52.00 (51.70 to 52.70): VY001638.D (-910) (-)



#42

1,2-Dichloroethane

Concen: 3.270 ug/l

RT: 8.25 min Scan# 1069

Delta R.T. -0.01 min

Lab File: VY001829.D

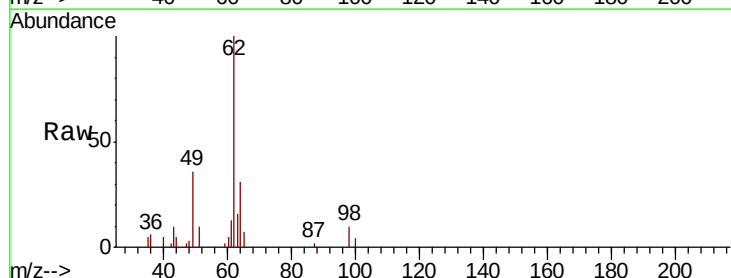
Acq: 03 Mar 2020 13:09

Tgt Ion: 62 Resp: 7789

Ion Ratio Lower Upper

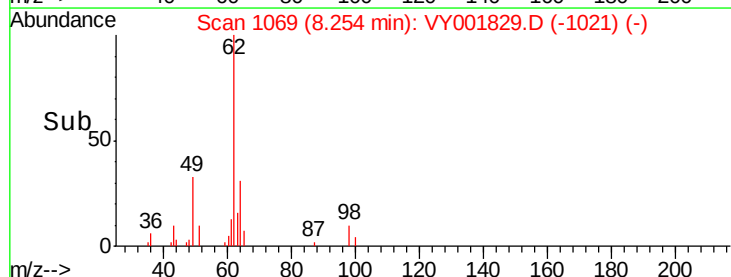
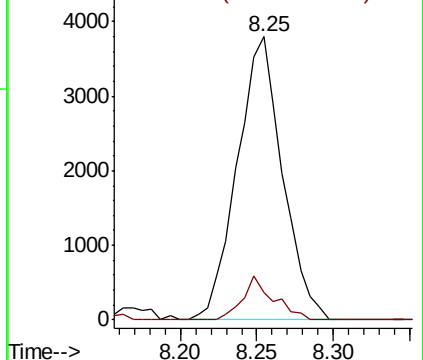
62 100

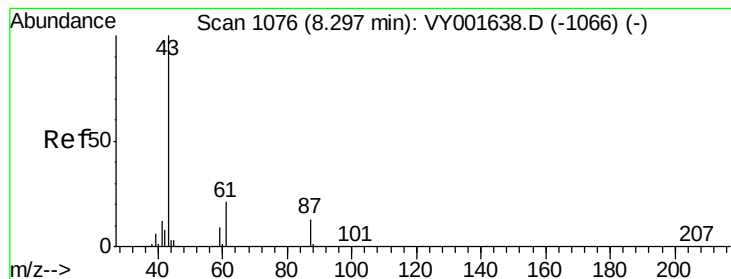
98 10.4 0.0 20.8



Abundance Ion 61.90 (61.60 to 62.60): VY001638.D (-1062) (-)

Ion 97.90 (97.60 to 98.60): VY001638.D (-1062) (-)





#43

Isopropyl Acetate

Concen: 3.162 ug/l

RT: 8.28 min Scan# 1074

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

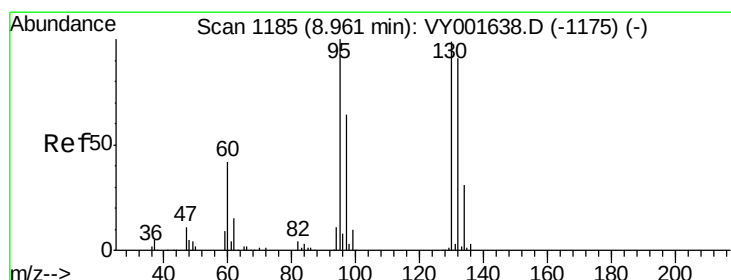
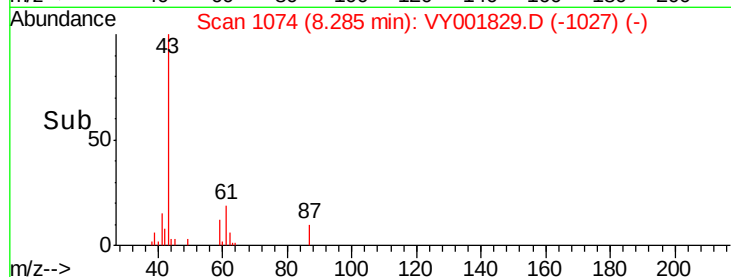
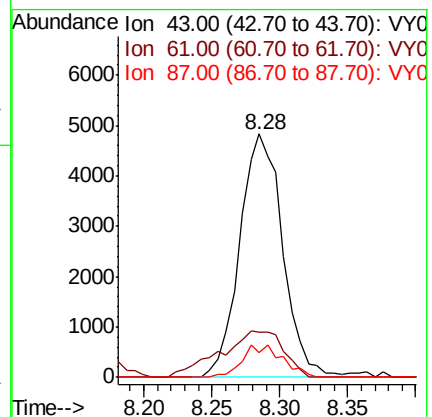
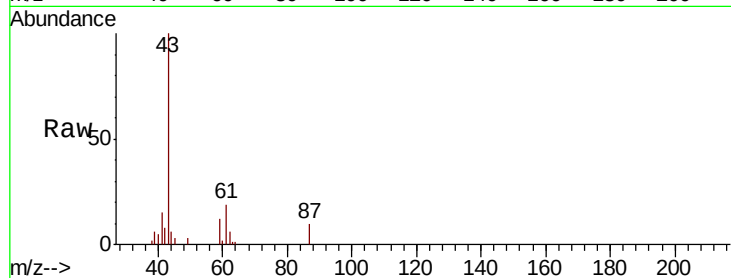
Tot Ion: 43 Resp: 10643

Ion Ratio Lower Upper

43 100

61 27.9 23.0 34.4

87 12.5 10.7 16.1



#44

Trichloroethene

Concen: 3.143 ug/l

RT: 8.96 min Scan# 1184

Delta R.T. -0.01 min

Lab File: VY001829.D

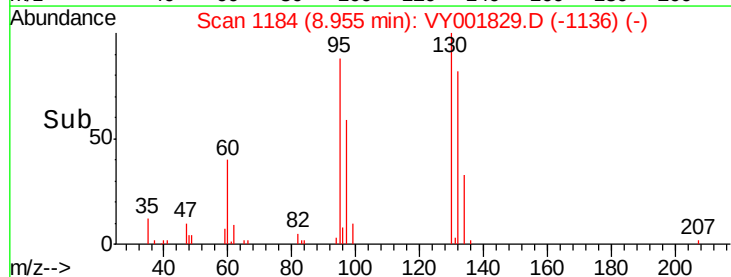
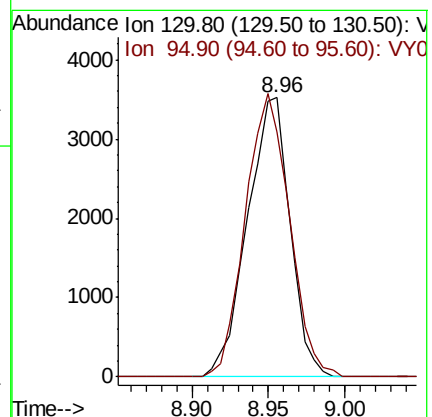
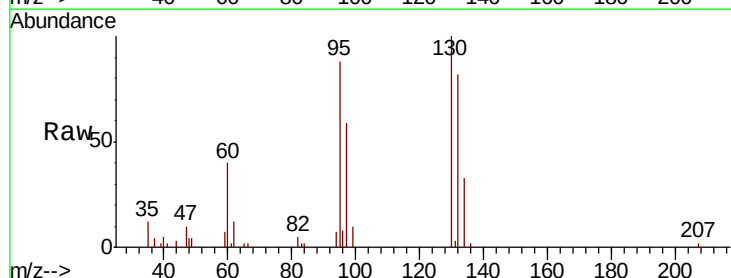
Acq: 03 Mar 2020 13:09

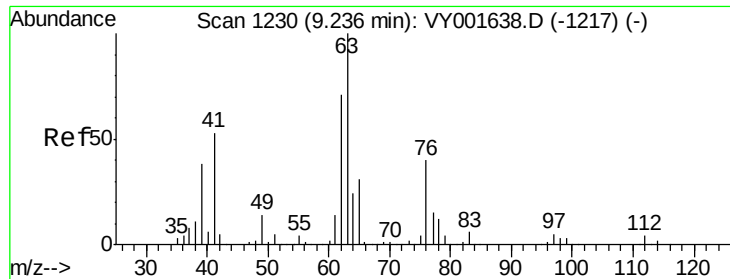
Tgt Ion: 130 Resp: 6860

Ion Ratio Lower Upper

130 100

95 87.8 0.0 200.6





#45

1,2-Dichloropropane

Concen: 3.189 ug/l

RT: 9.22 min Scan# 1228

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

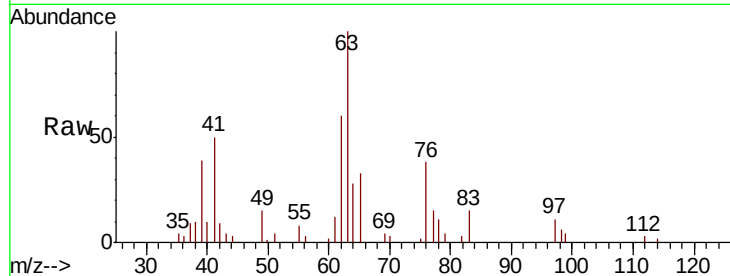
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 63 Resp: 6982

Ion Ratio Lower Upper

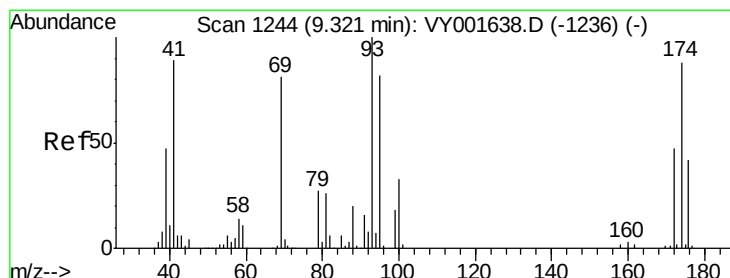
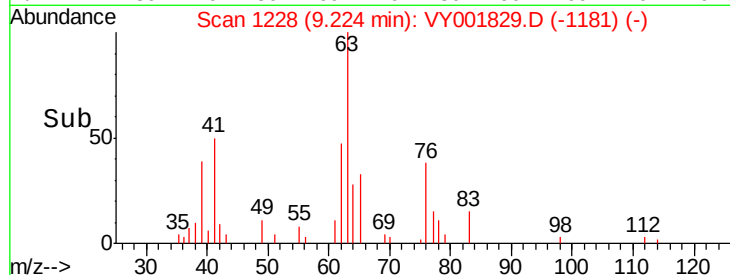
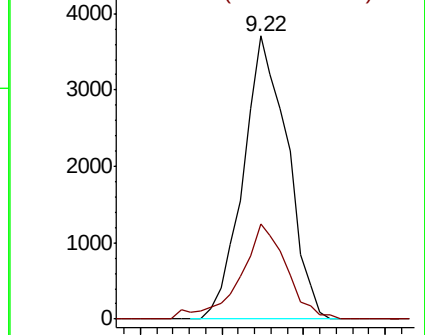
63 100

65 33.5 24.6 37.0



Abundance Ion 62.90 (62.60 to 63.60): VY0

Ion 64.90 (64.60 to 65.60): VY0



#46

Dibromomethane

Concen: 3.260 ug/l

RT: 9.32 min Scan# 1243

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

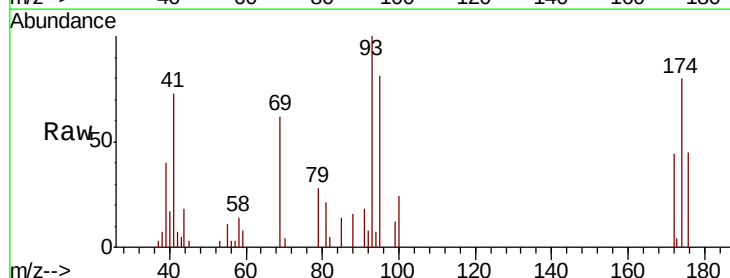
Tgt Ion: 93 Resp: 3733

Ion Ratio Lower Upper

93 100

95 82.4 66.1 99.1

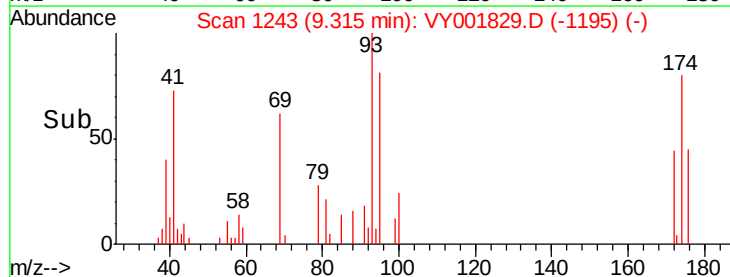
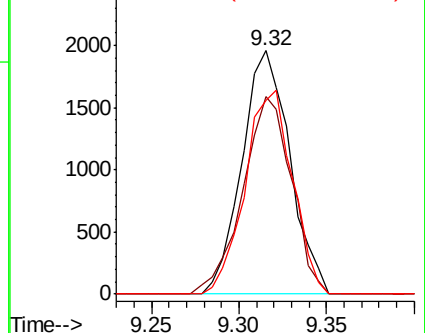
174 82.7 72.5 108.7

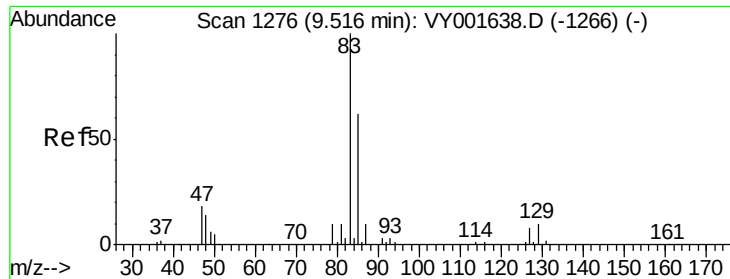


Abundance Ion 92.80 (92.50 to 93.50): VY0

Ion 94.80 (94.50 to 95.50): VY0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 3.022 ug/l

RT: 9.51 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

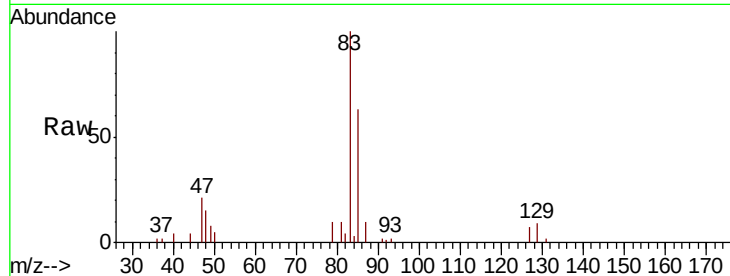
Tot Ion: 83 Resp: 8353

Ion Ratio Lower Upper

83 100

85 62.7 51.4 77.0

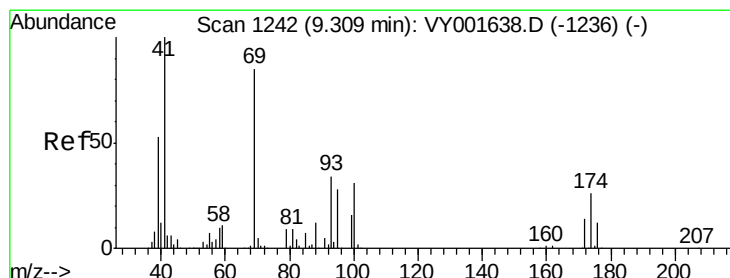
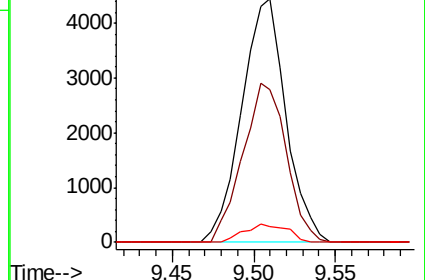
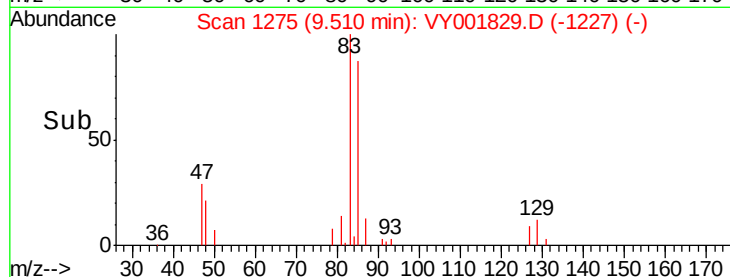
127 6.6 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VY001829.D (-1227) (-)

Ion 84.90 (84.60 to 85.60): VY001829.D (-1227) (-)

Ion 126.80 (126.50 to 127.50): VY001829.D (-1227) (-)



#48

Methyl methacrylate

Concen: 3.066 ug/l

RT: 9.30 min Scan# 1241

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

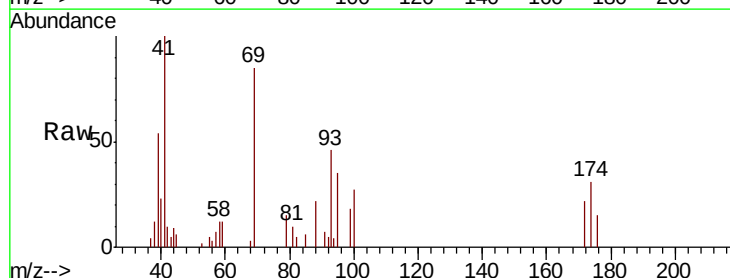
Tgt Ion: 41 Resp: 4667

Ion Ratio Lower Upper

41 100

69 84.0 70.7 106.1

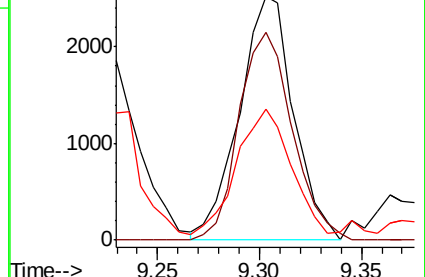
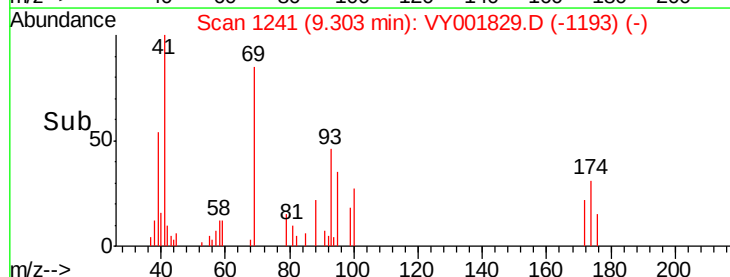
39 52.1 42.2 63.2

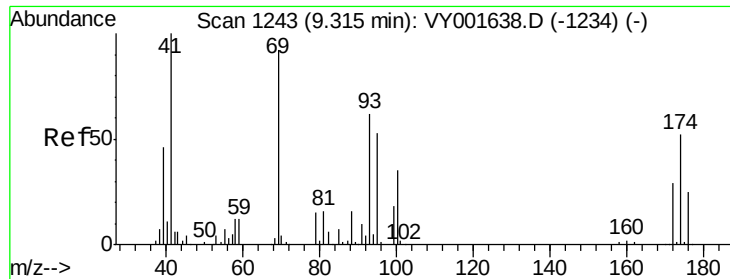


Abundance Ion 41.00 (40.70 to 41.70): VY001829.D (-1193) (-)

Ion 69.00 (68.70 to 69.70): VY001829.D (-1193) (-)

Ion 39.00 (38.70 to 39.70): VY001829.D (-1193) (-)

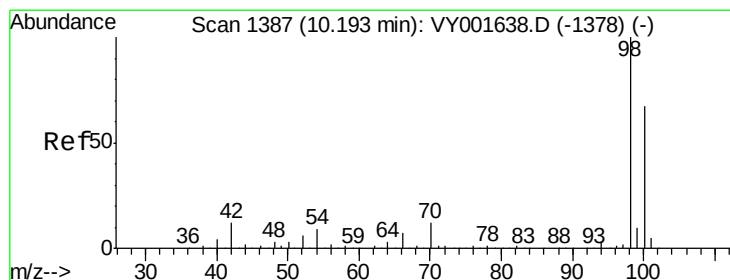
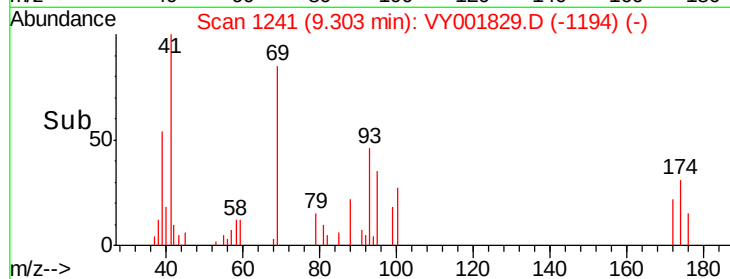
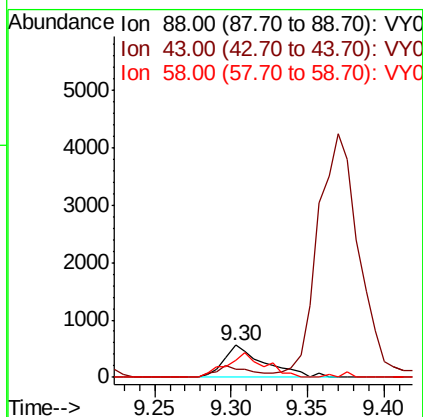
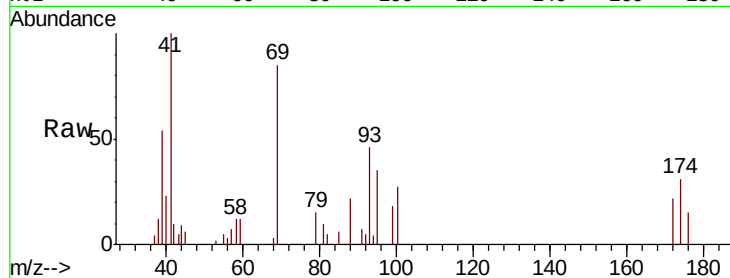




#49
1,4-Dioxane
Concen: 63.684 ug/l
RT: 9.30 min Scan# 1241
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

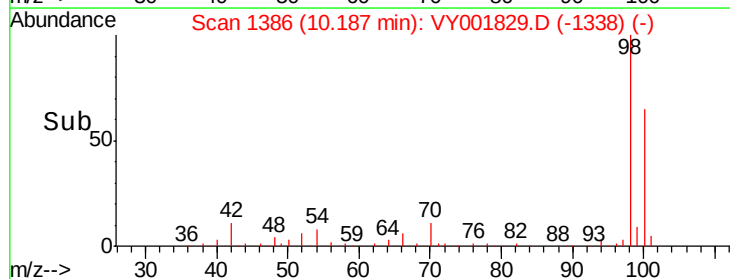
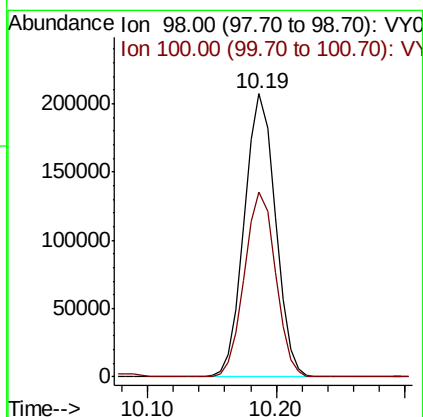
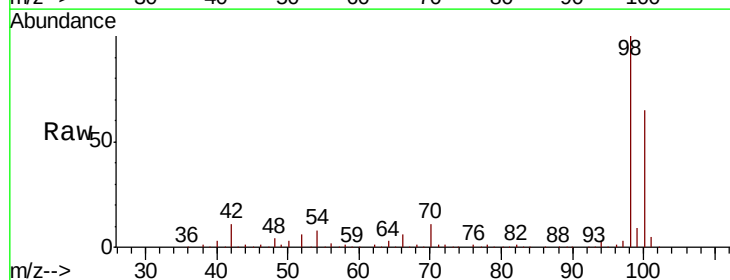
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

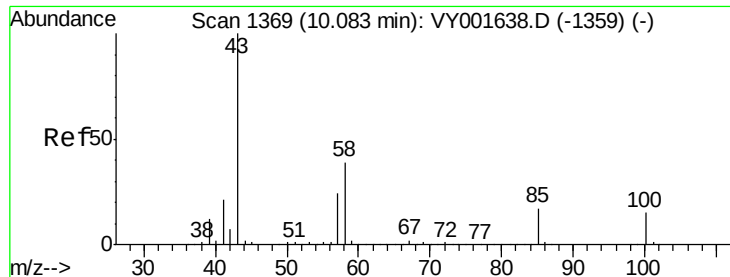
Tot Ion: 88 Resp: 1030
Ion Ratio Lower Upper
88 100
43 29.5 23.1 34.7
58 72.5 58.1 87.1



#50
Toluene-d8
Concen: 49.461 ug/l
RT: 10.19 min Scan# 1386
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 98 Resp: 345368
Ion Ratio Lower Upper
98 100
100 65.4 53.0 79.4

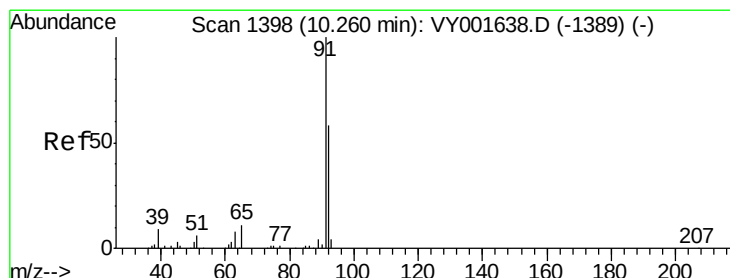
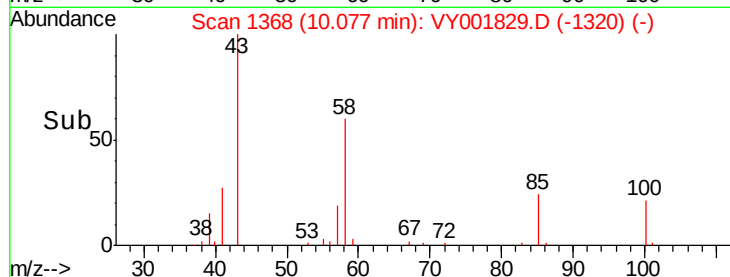
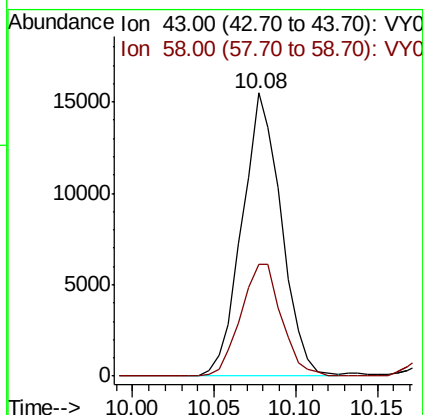
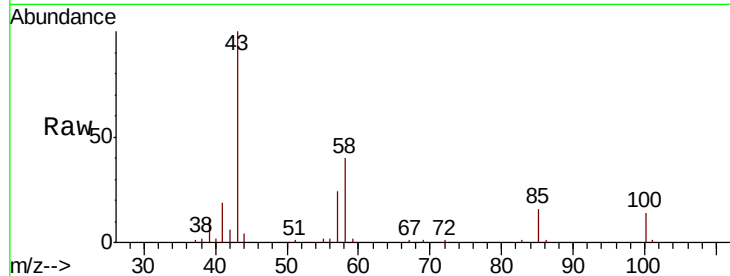




#51
4-Methyl-2-Pentanone
Concen: 15.014 ug/l
RT: 10.08 min Scan# 1368
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

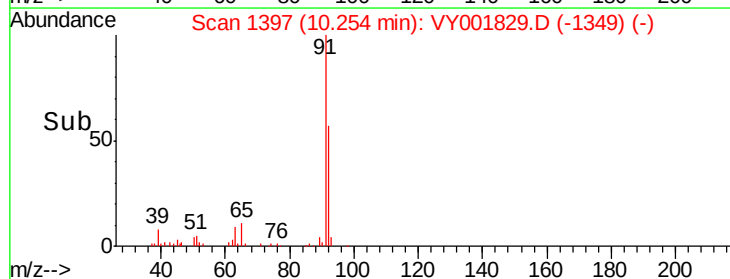
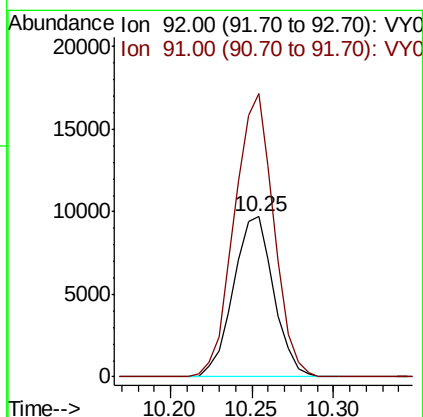
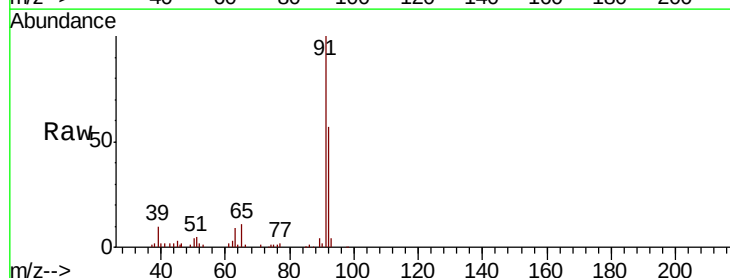
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

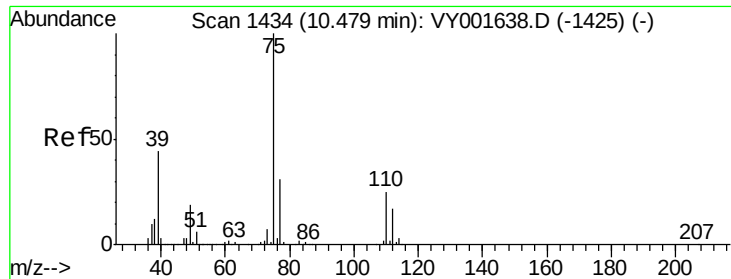
Tot Ion: 43 Resp: 25966
Ion Ratio Lower Upper
43 100
58 41.0 32.2 48.4



#52
Toluene
Concen: 3.056 ug/l
RT: 10.25 min Scan# 1397
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 92 Resp: 16666
Ion Ratio Lower Upper
92 100
91 172.9 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 2.885 ug/l

RT: 10.47 min Scan# 1433

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

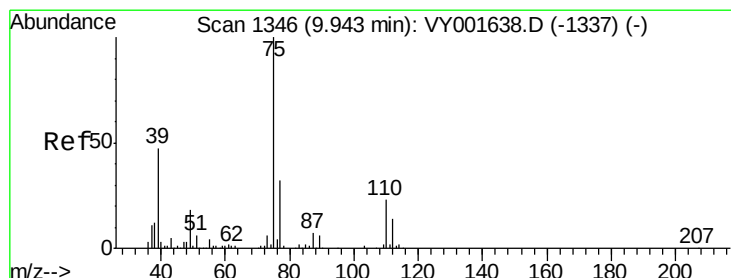
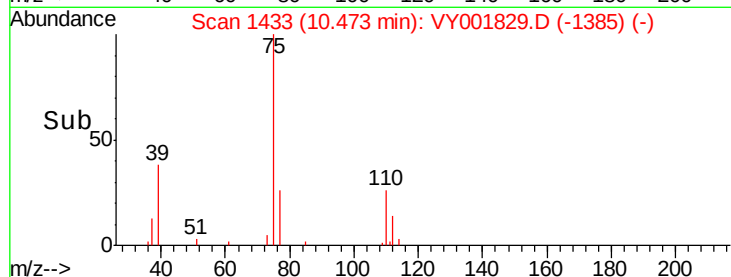
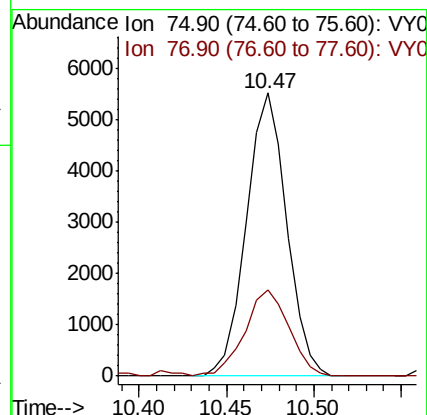
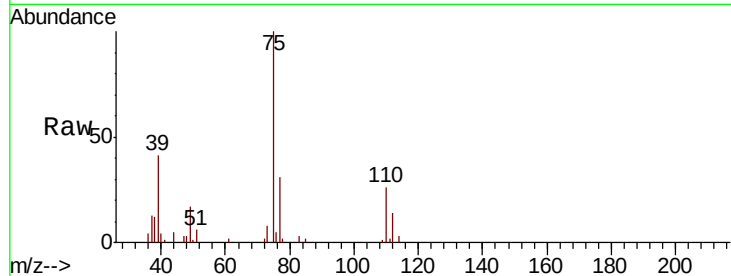
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 75 Resp: 8815

Ion Ratio Lower Upper

75 100

77 30.6 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 3.025 ug/l

RT: 9.94 min Scan# 1345

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

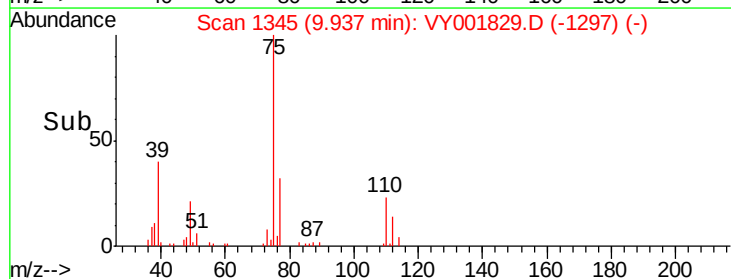
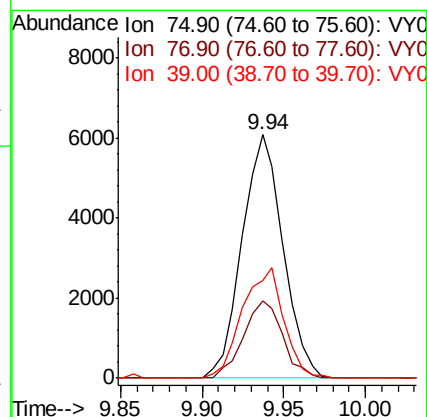
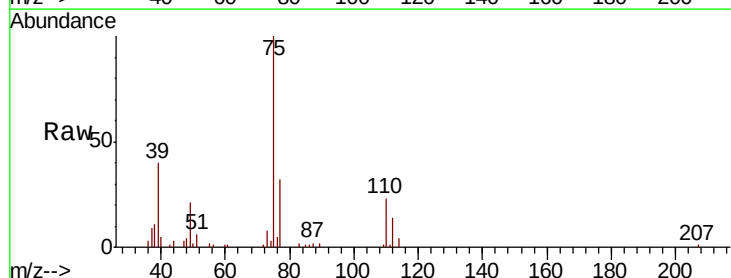
Tgt Ion: 75 Resp: 10637

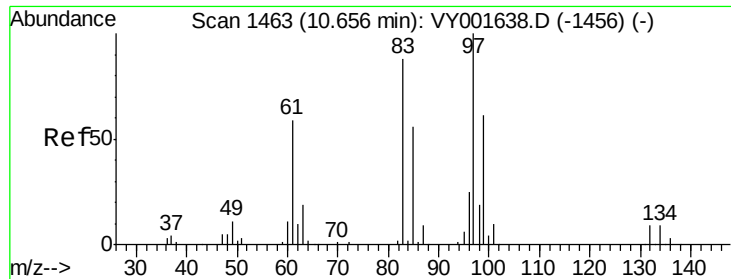
Ion Ratio Lower Upper

75 100

77 31.6 25.7 38.5

39 40.3 35.7 53.5

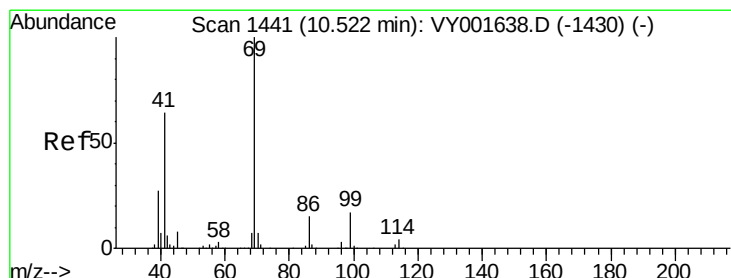
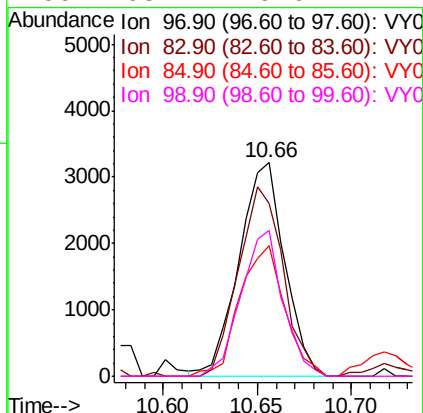
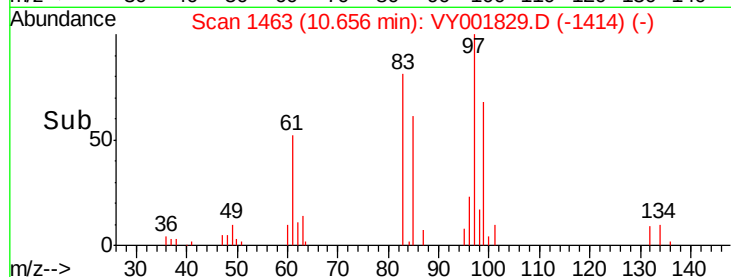
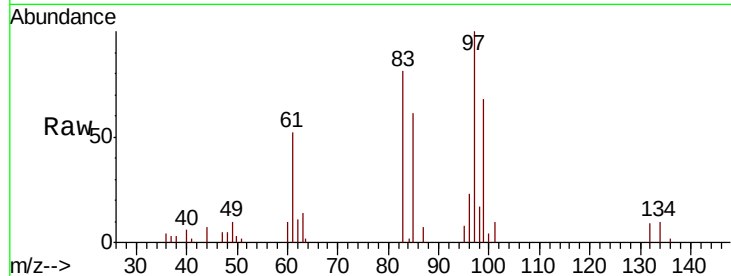




#55
 1,1,2-Trichloroethane
 Concen: 3.197 ug/l
 RT: 10.66 min Scan# 1463
 Delta R.T. 0.00 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

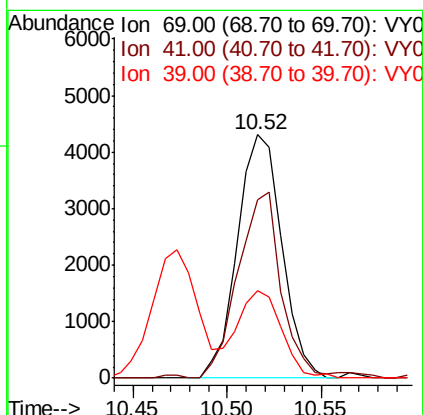
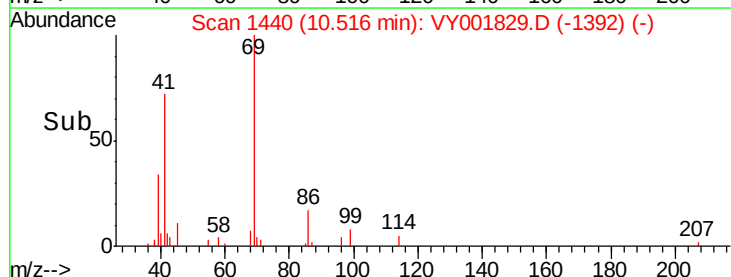
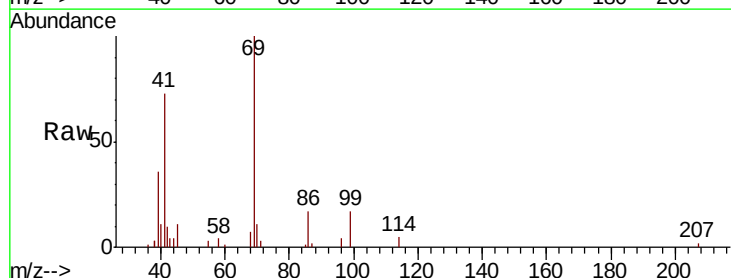
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

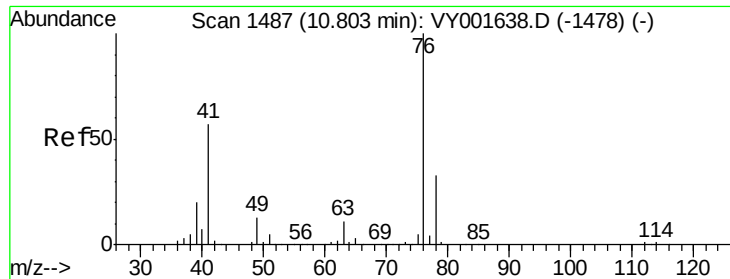
Tot Ion:	97	Resp:	5398
Ion	Ratio	Lower	Upper
97	100		
83	81.1	69.7	104.5
85	60.9	44.5	66.7
99	68.1	49.6	74.4



#56
 Ethyl methacrylate
 Concen: 2.782 ug/l
 RT: 10.52 min Scan# 1440
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion:	69	Resp:	7048
Ion	Ratio	Lower	Upper
69	100		
41	74.0	51.0	76.4
39	34.8	24.7	37.1

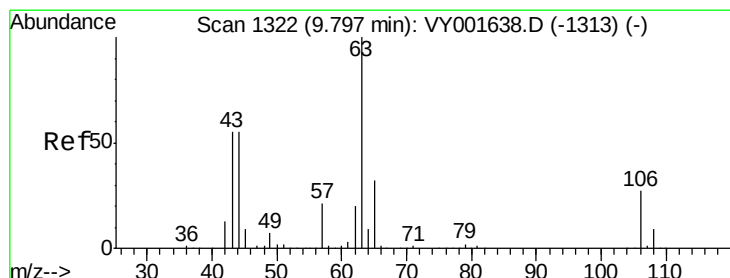
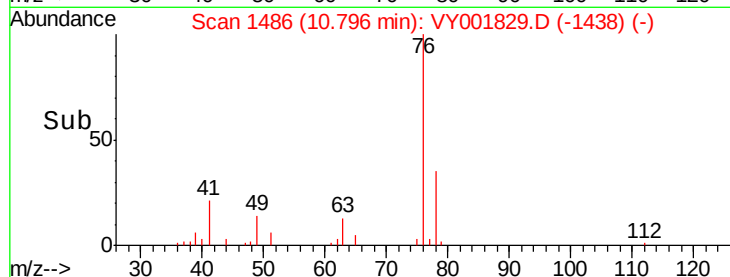
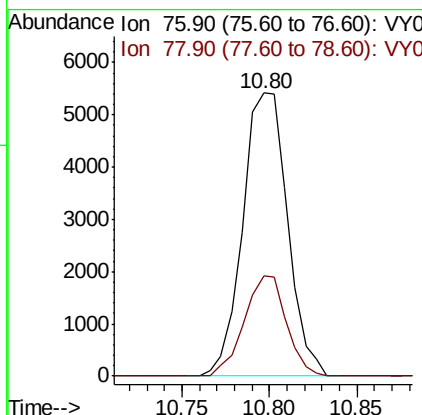
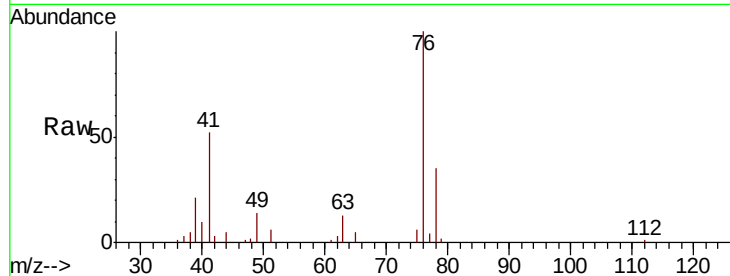




#57
 1,3-Dichloropropane
 Concen: 3.238 ug/l
 RT: 10.80 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

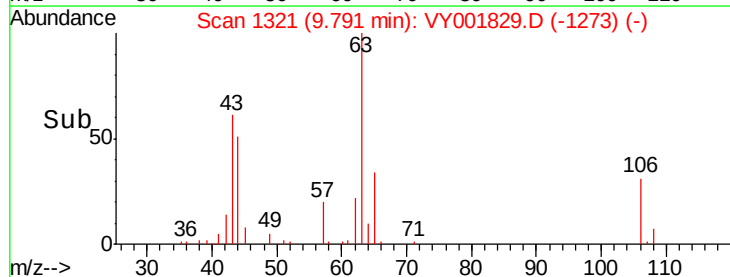
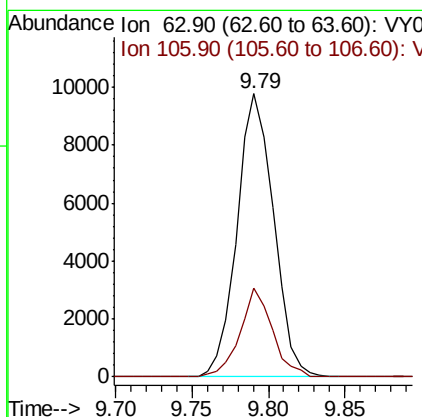
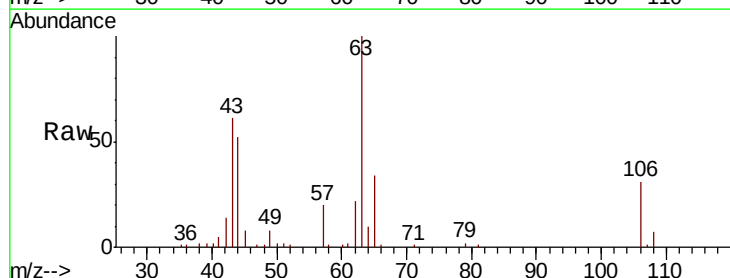
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

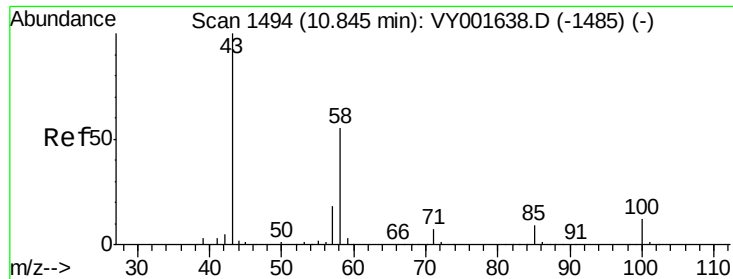
Tot Ion: 76 Resp: 9715
 Ion Ratio Lower Upper
 76 100
 78 33.3 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 15.312 ug/l
 RT: 9.79 min Scan# 1321
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion: 63 Resp: 16197
 Ion Ratio Lower Upper
 63 100
 106 27.5 21.6 32.4

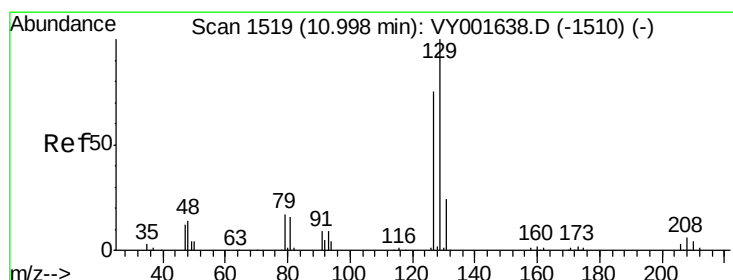
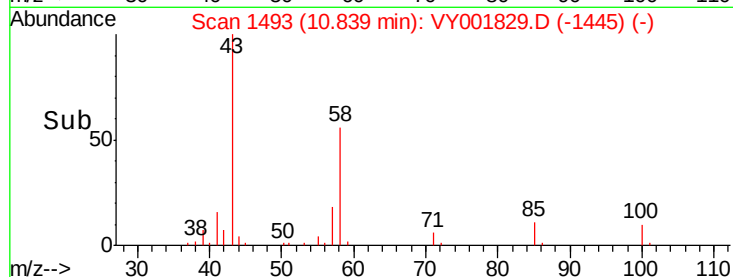
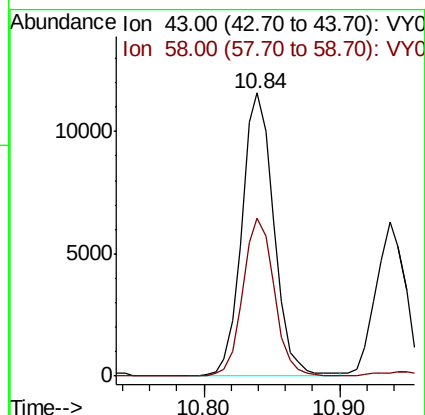
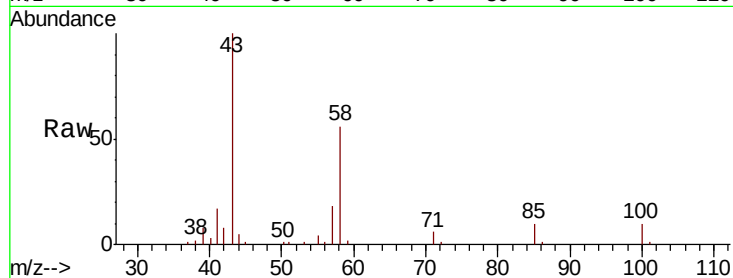




#59
2-Hexanone
Concen: 14.703 ug/l
RT: 10.84 min Scan# 1493
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

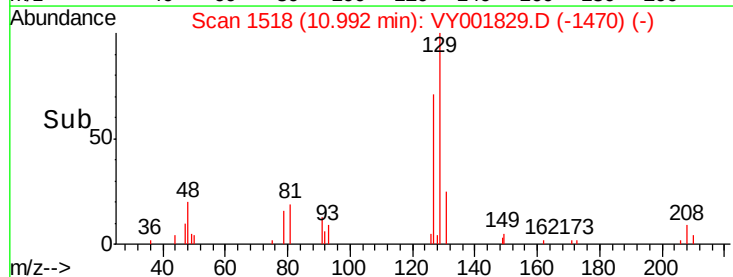
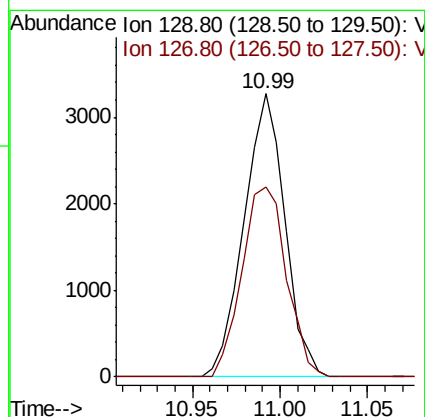
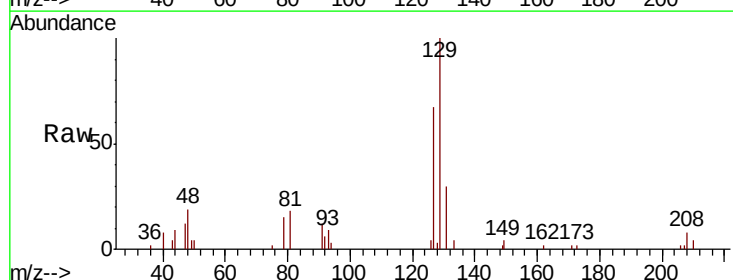
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

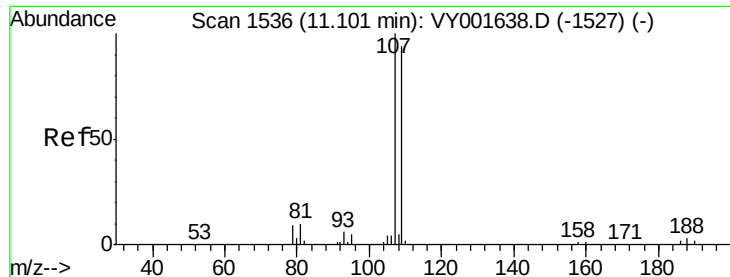
Tot Ion: 43 Resp: 19079
Ion Ratio Lower Upper
43 100
58 54.6 28.4 85.2



#60
Dibromochloromethane
Concen: 2.859 ug/l
RT: 10.99 min Scan# 1518
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 129 Resp: 5323
Ion Ratio Lower Upper
129 100
127 73.1 38.9 116.6

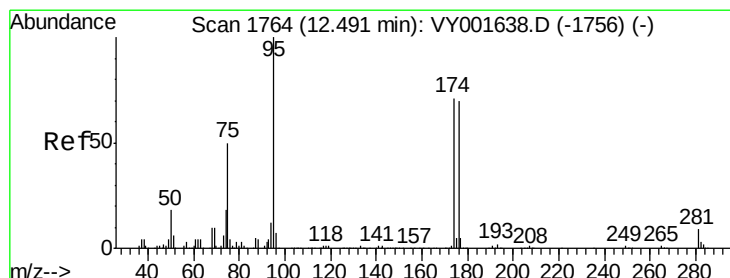
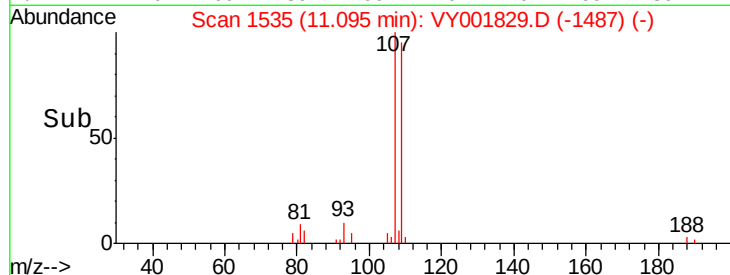
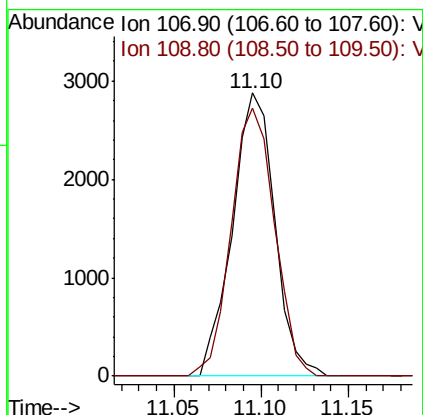
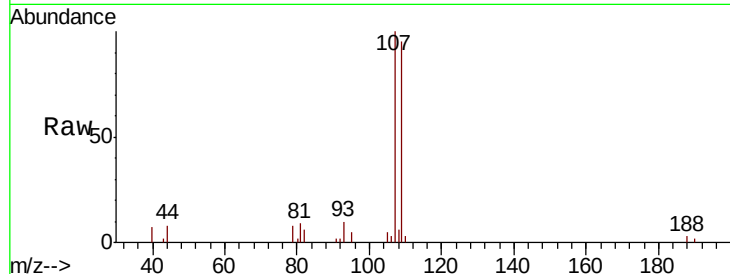




#61
 1,2-Dibromoethane
 Concen: 3.048 ug/l
 RT: 11.10 min Scan# 1535
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

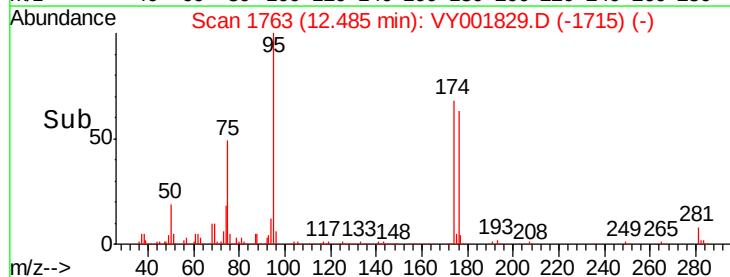
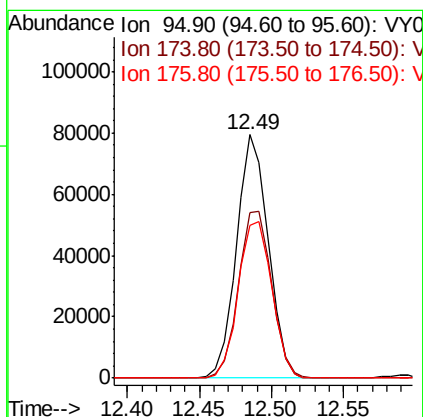
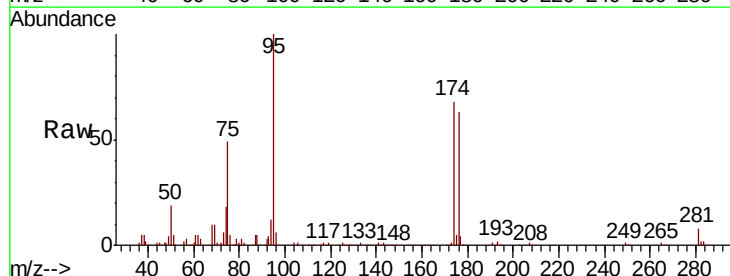
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

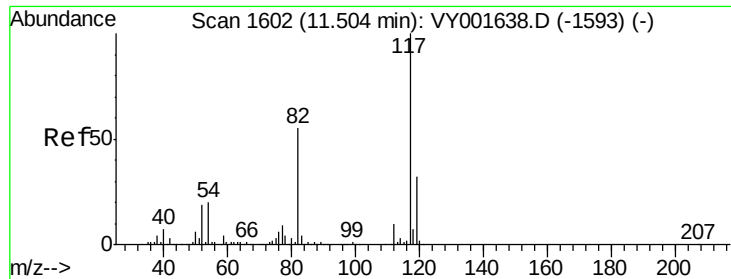
Tot Ion: 107 Resp: 4867
 Ion Ratio Lower Upper
 107 100
 109 96.4 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 44.868 ug/l
 RT: 12.49 min Scan# 1763
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion: 95 Resp: 121713
 Ion Ratio Lower Upper
 95 100
 174 71.7 0.0 138.4
 176 68.4 0.0 131.8

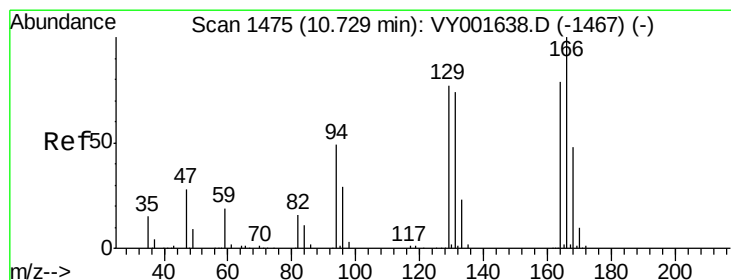
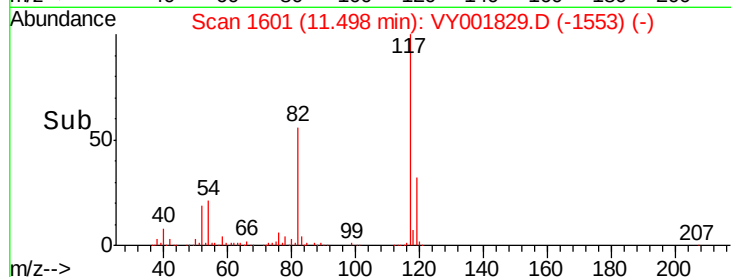
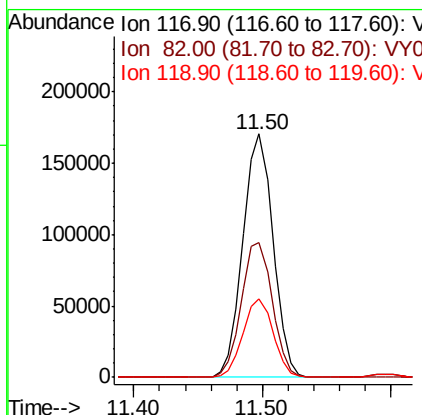
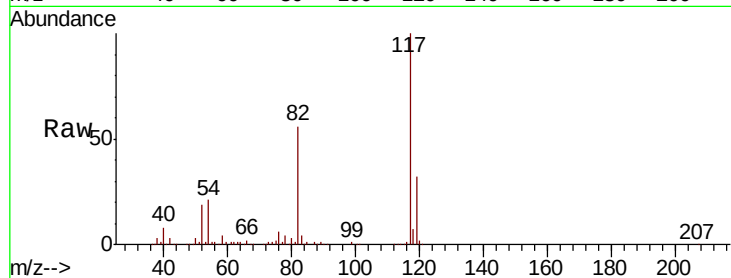




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.50 min Scan# 1601
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

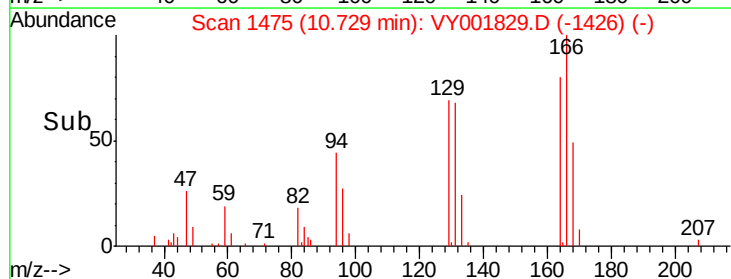
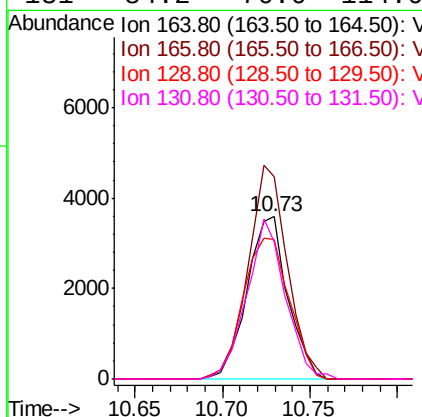
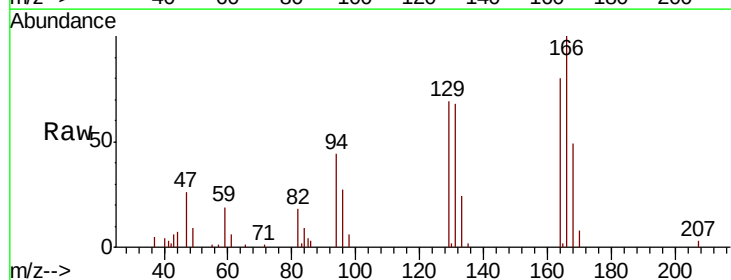
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

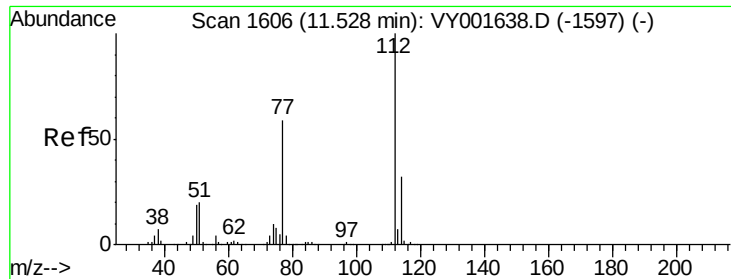
Tot Ion:117 Resp: 276399
Ion Ratio Lower Upper
117 100
82 55.6 45.5 68.3
119 32.5 25.8 38.6



#64
Tetrachloroethene
Concen: 3.343 ug/l
RT: 10.73 min Scan# 1475
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion:164 Resp: 5801
Ion Ratio Lower Upper
164 100
166 124.6 101.4 152.0
129 86.2 78.7 118.1
131 84.2 76.0 114.0





#65

Chlorobenzene

Concen: 3.302 ug/l

RT: 11.52 min Scan# 1605

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

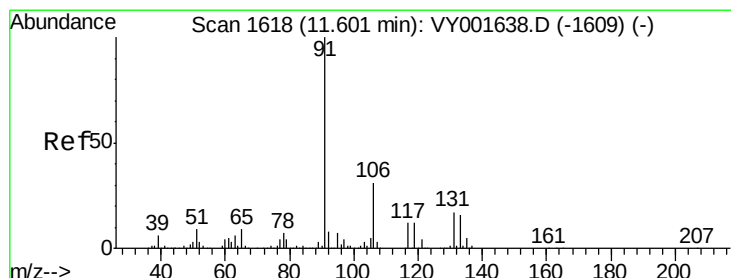
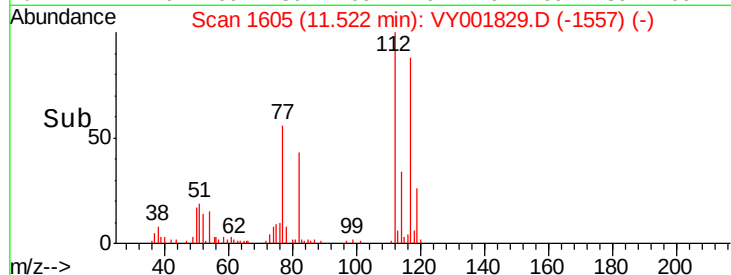
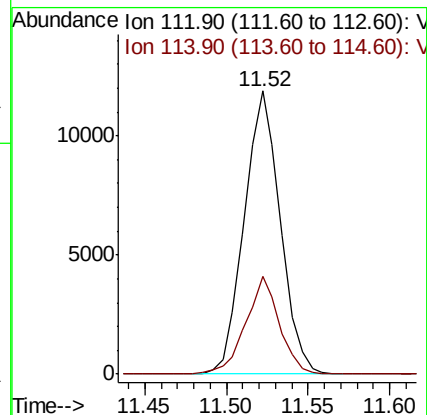
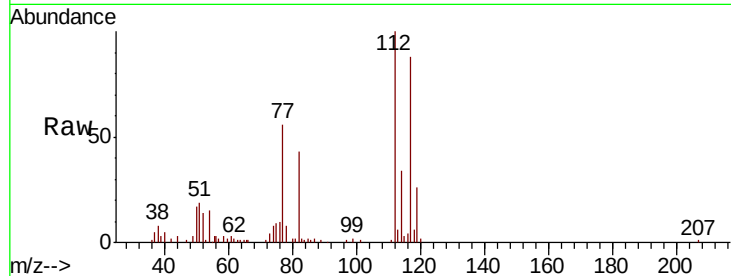
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:112 Resp: 18220

Ion Ratio Lower Upper

112 100

114 34.5 25.4 38.2



#66

1,1,1,2-Tetrachloroethane

Concen: 2.956 ug/l

RT: 11.60 min Scan# 1617

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

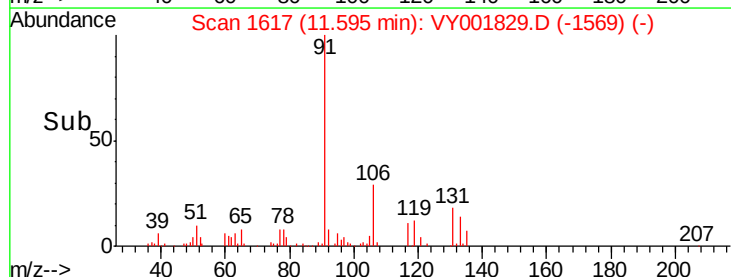
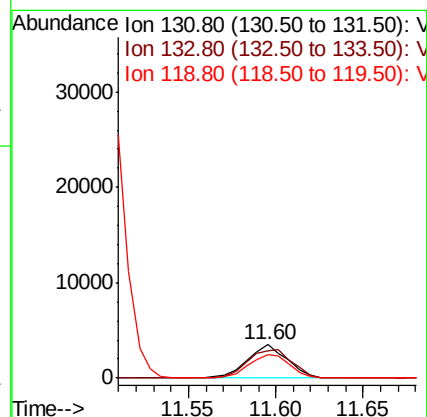
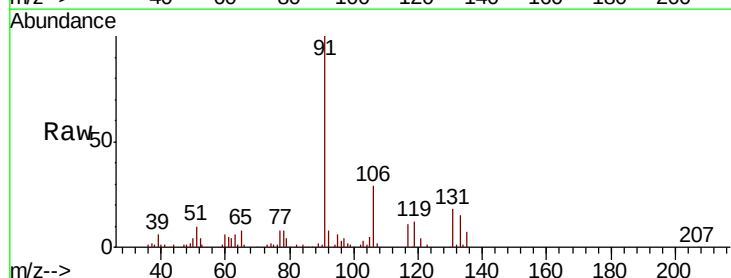
Tgt Ion:131 Resp: 5503

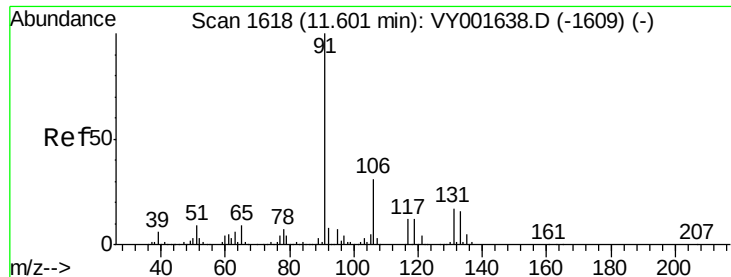
Ion Ratio Lower Upper

131 100

133 97.1 47.4 142.2

119 73.2 34.4 103.1





#67

Ethyl Benzene

Concen: 3.140 ug/l

RT: 11.60 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

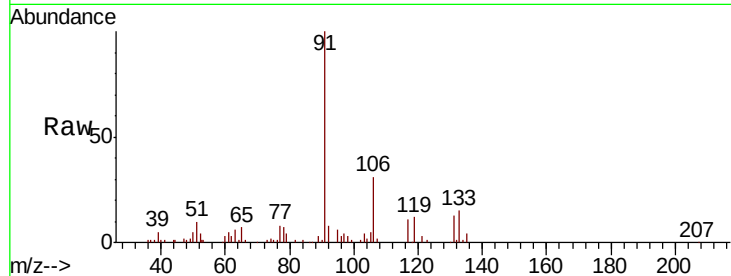
LOD-MDL-SOIL-01-QT1-2020

Tot Ion: 91 Resp: 32152

Ion Ratio Lower Upper

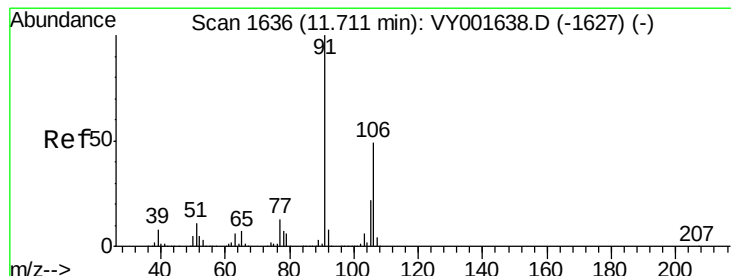
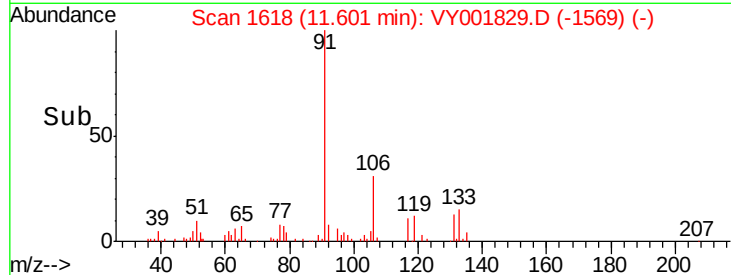
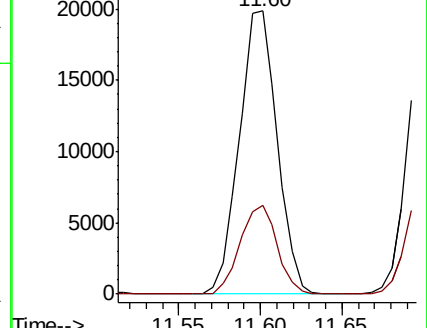
91 100

106 31.3 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): VY001638.D (-1609) (-)

Ion 106.00 (105.70 to 106.70): VY001638.D (-1609) (-)



#68

m/p-Xylenes

Concen: 6.143 ug/l

RT: 11.70 min Scan# 1635

Delta R.T. -0.01 min

Lab File: VY001829.D

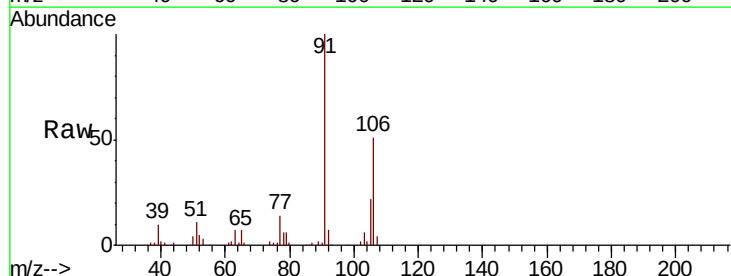
Acq: 03 Mar 2020 13:09

Tgt Ion: 106 Resp: 23500

Ion Ratio Lower Upper

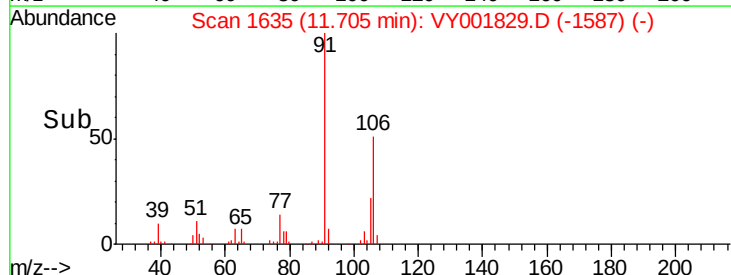
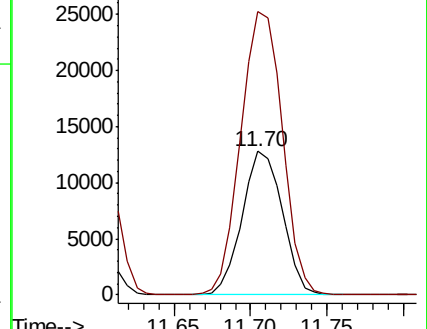
106 100

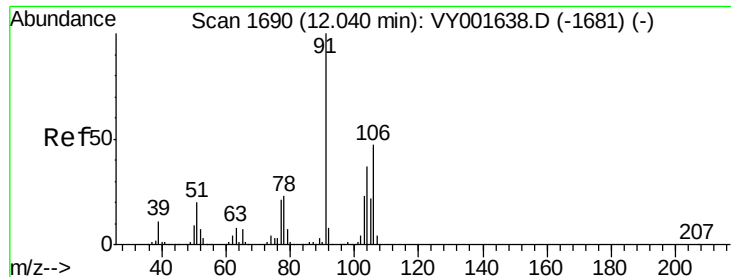
91 203.7 163.3 244.9



Abundance Ion 106.00 (105.70 to 106.70): VY001638.D (-1627) (-)

Ion 91.00 (90.70 to 91.70): VY001638.D (-1627) (-)

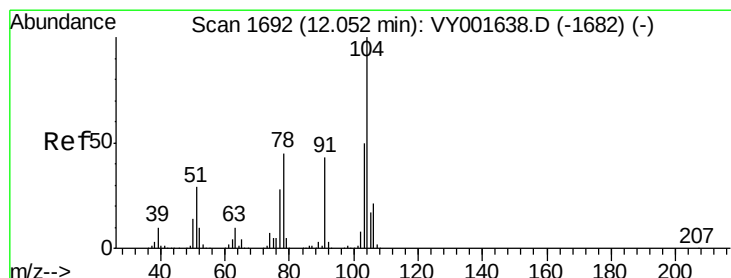
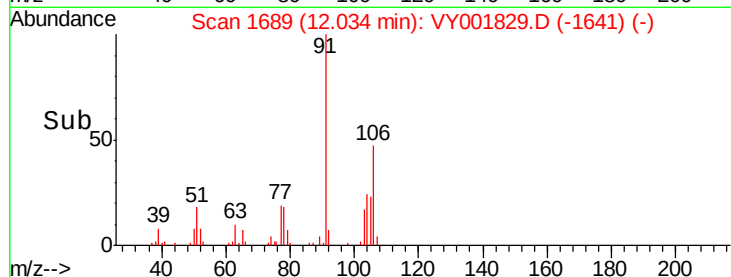
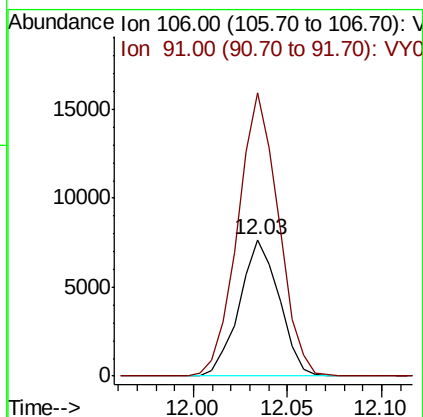
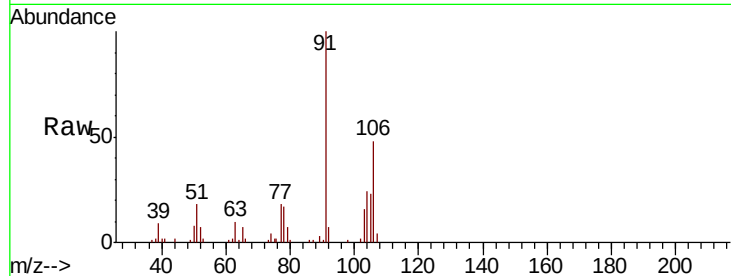




#69
o-Xylene
Concen: 3.085 ug/l
RT: 12.03 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

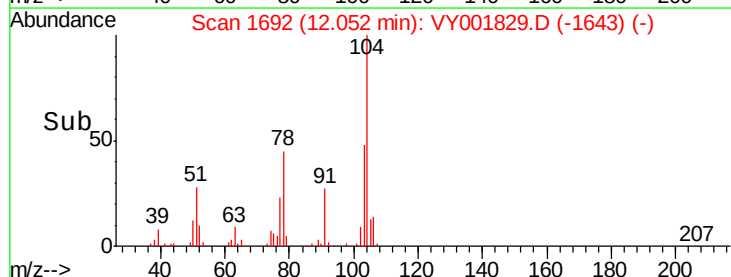
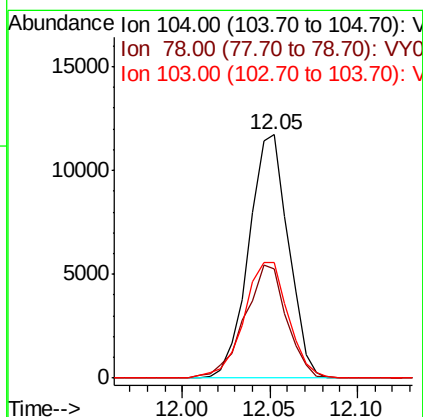
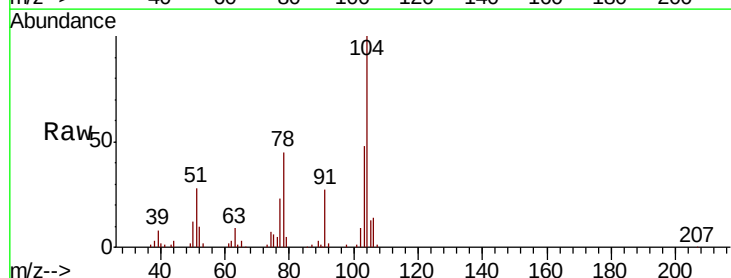
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

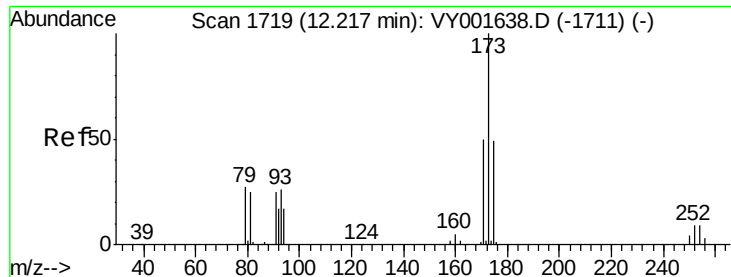
Tot Ion:106 Resp: 11218
Ion Ratio Lower Upper
106 100
91 212.8 108.3 324.9



#70
Styrene
Concen: 2.917 ug/l
RT: 12.05 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion:104 Resp: 18438
Ion Ratio Lower Upper
104 100
78 49.2 39.2 58.8
103 53.2 43.0 64.6





#71

Bromoform

Concen: 2.543 ug/l

RT: 12.21 min Scan# 1718

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

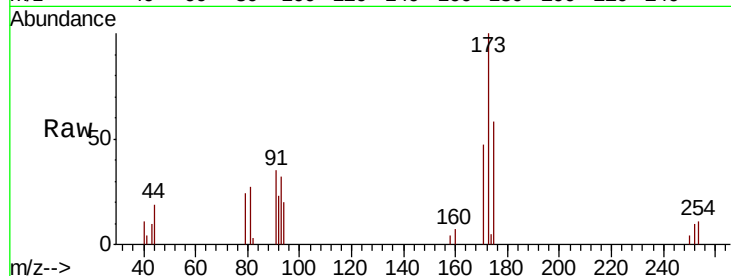
Tot Ion:173 Resp: 2705

Ion Ratio Lower Upper

173 100

175 54.3 24.3 73.0

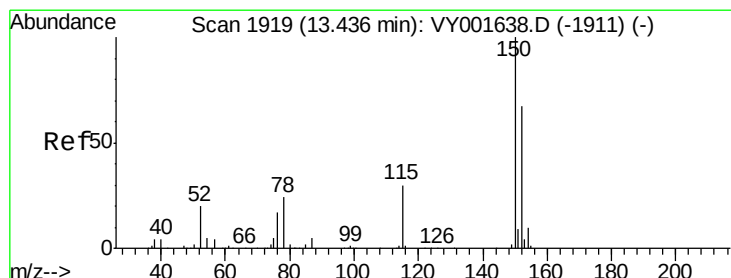
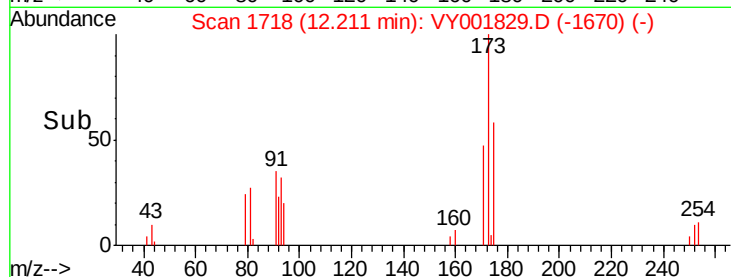
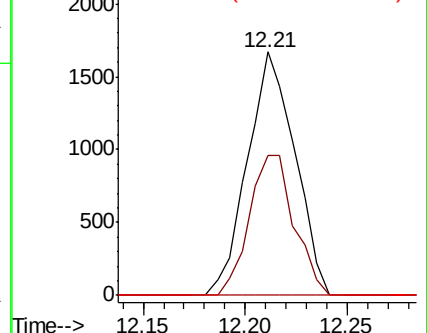
254 0.0 0.1 0.1#



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: VY001829.D

Acq: 03 Mar 2020 13:09

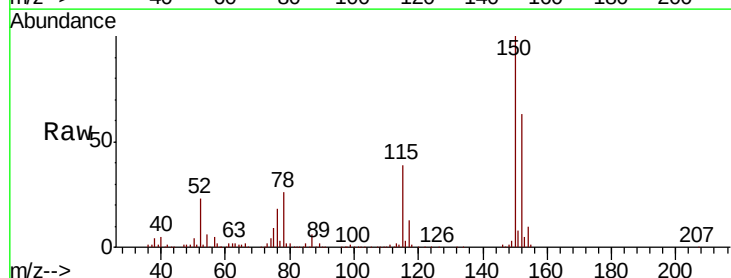
Tgt Ion:152 Resp: 128870

Ion Ratio Lower Upper

152 100

115 61.2 31.4 94.2

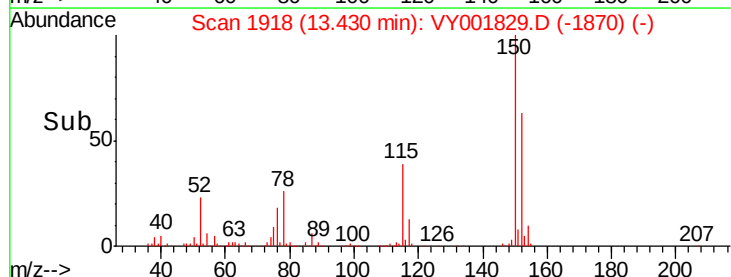
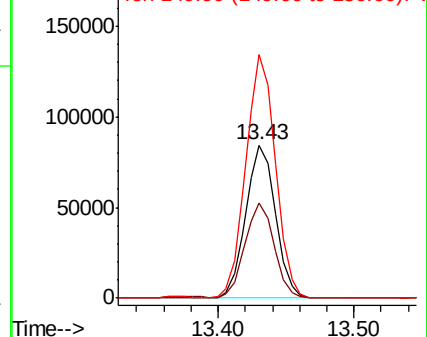
150 159.1 0.0 407.2

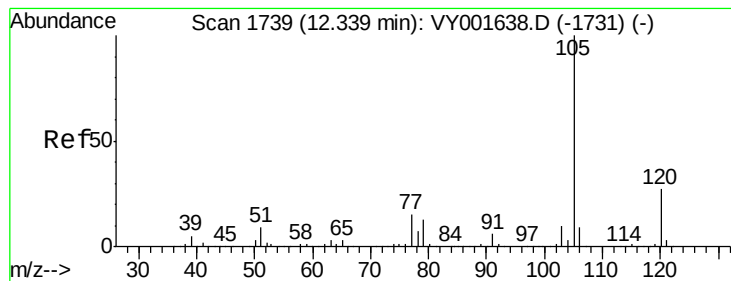


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 3.056 ug/l

RT: 12.34 min Scan# 1739

Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

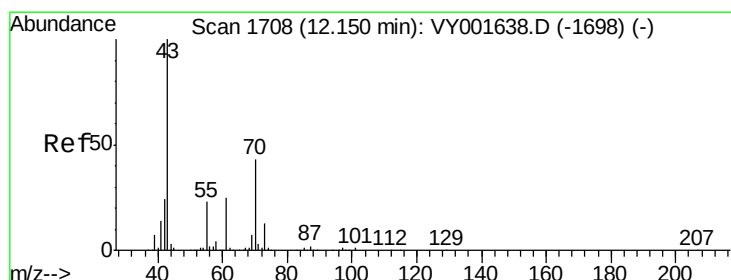
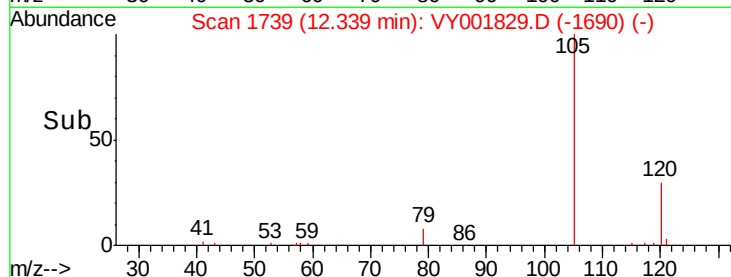
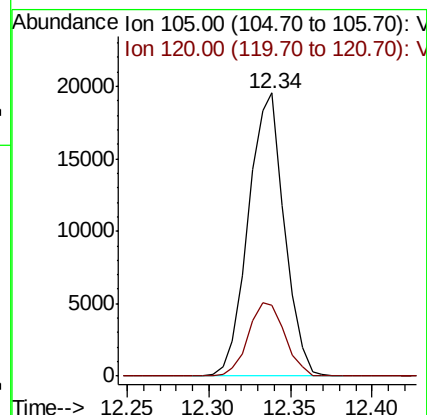
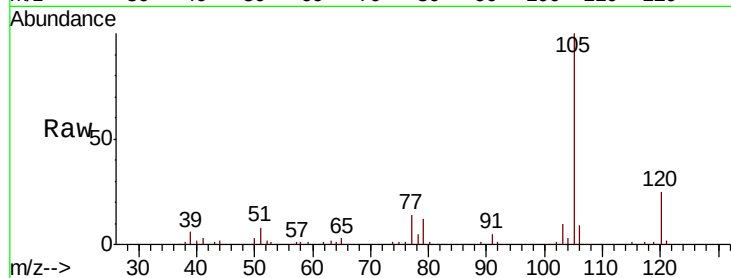
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:105 Resp: 29999

Ion Ratio Lower Upper

105 100

120 26.4 13.4 40.1



#74

N-ethyl acetate

Concen: 2.980 ug/l

RT: 12.15 min Scan# 1708

Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Tgt Ion: 43 Resp: 9336

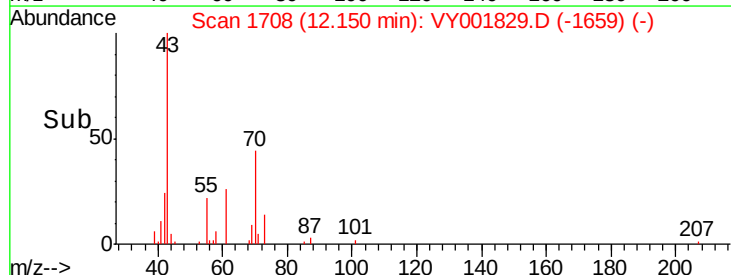
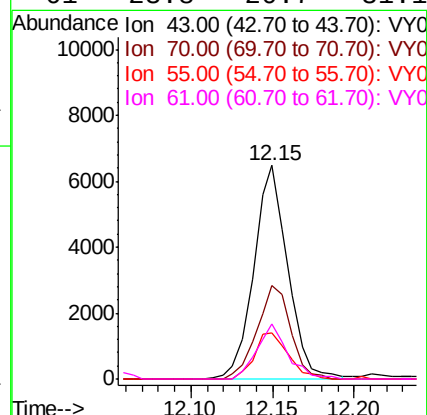
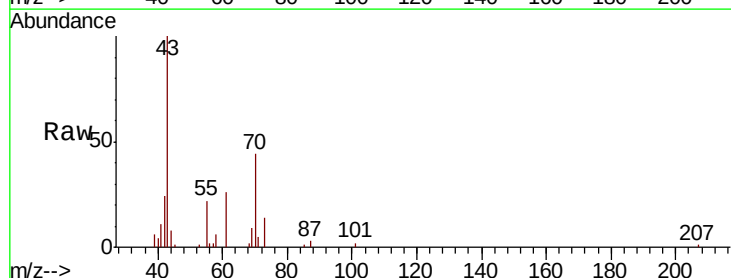
Ion Ratio Lower Upper

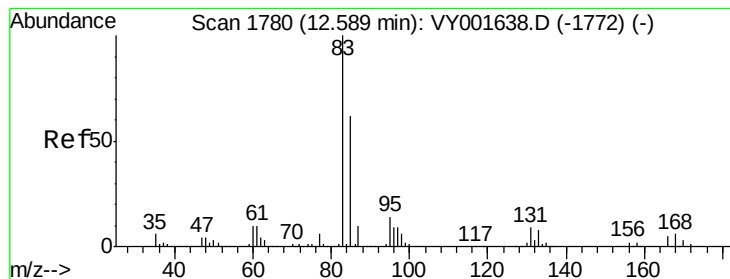
43 100

70 43.6 35.9 53.9

55 21.9 18.3 27.5

61 23.8 20.7 31.1





#75

1,1,2,2-Tetrachloroethane

Concen: 3.013 ug/l

RT: 12.59 min Scan# 1780

Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

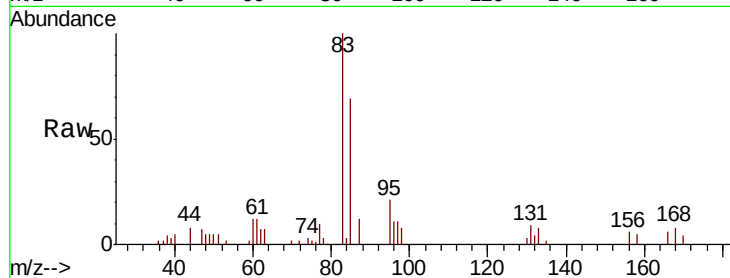
Tot Ion: 83 Resp: 6315

Ion Ratio Lower Upper

83 100

131 10.5 4.7 14.1

85 71.0 31.6 94.7

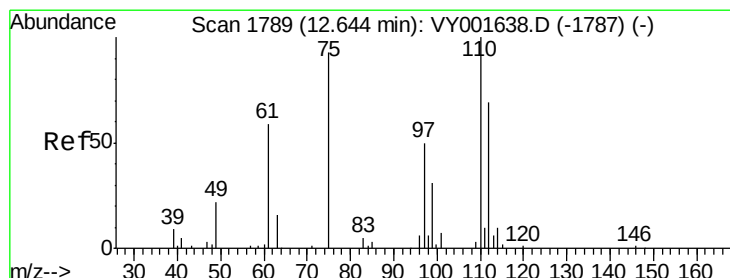
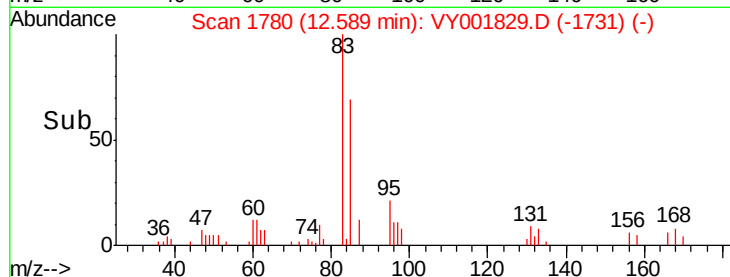


Abundance Ion 82.90 (82.60 to 83.60): VY001829.D (-1731) (-)

Ion 130.80 (130.50 to 131.50): VY001829.D (-1731) (-)

Ion 84.90 (84.60 to 85.60): VY001829.D (-1731) (-)

Time-->



#76

1,2,3-Trichloropropane

Concen: 5.785 ug/l

RT: 12.64 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VY001829.D

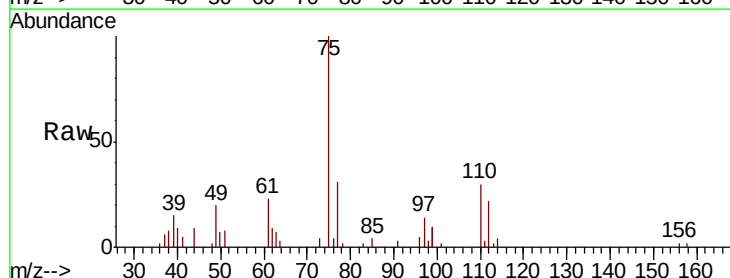
Acq: 03 Mar 2020 13:09

Tgt Ion: 75 Resp: 8552

Ion Ratio Lower Upper

75 100

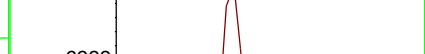
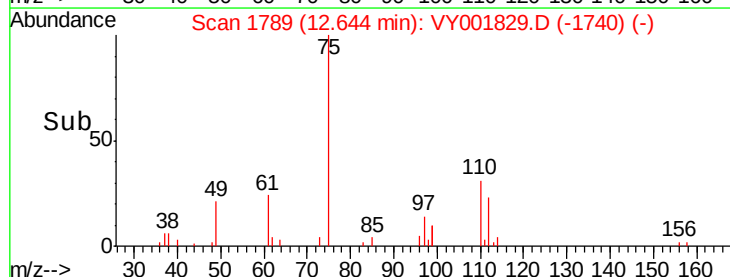
77 0.0 0.0 0.0

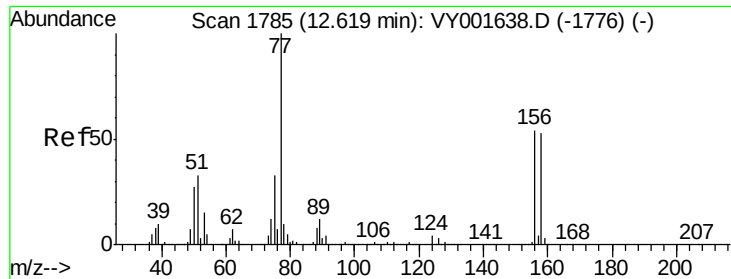


Abundance Ion 74.90 (74.60 to 75.60): VY001829.D (-1740) (-)

Ion 77.00 (76.70 to 77.70): VY001829.D (-1740) (-)

Time-->





#77

Bromobenzene

Concen: 3.046 ug/l

RT: 12.61 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

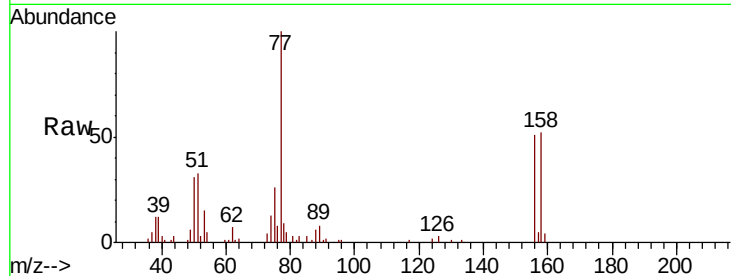
Tot Ion:156 Resp: 6483

Ion Ratio Lower Upper

156 100

77 220.9 110.1 330.1

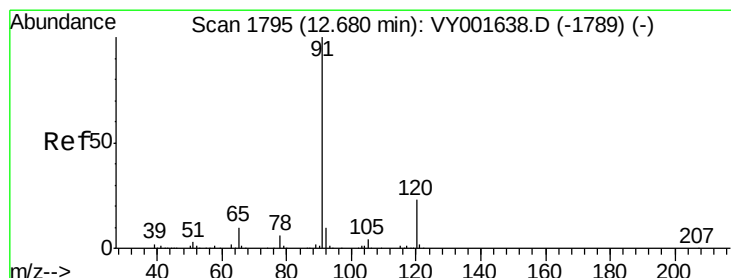
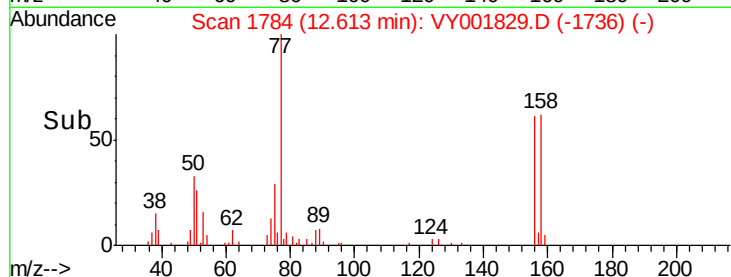
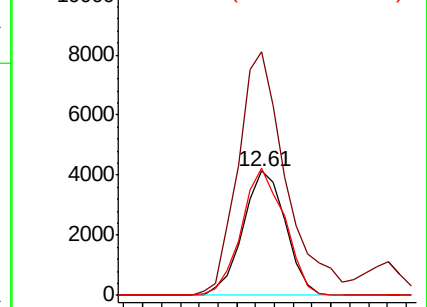
158 102.9 47.9 143.7



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: 3.226 ug/l

RT: 12.67 min Scan# 1794

Delta R.T. -0.01 min

Lab File: VY001829.D

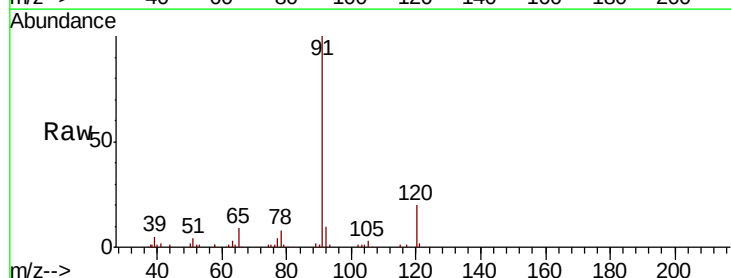
Acq: 03 Mar 2020 13:09

Tgt Ion: 91 Resp: 38574

Ion Ratio Lower Upper

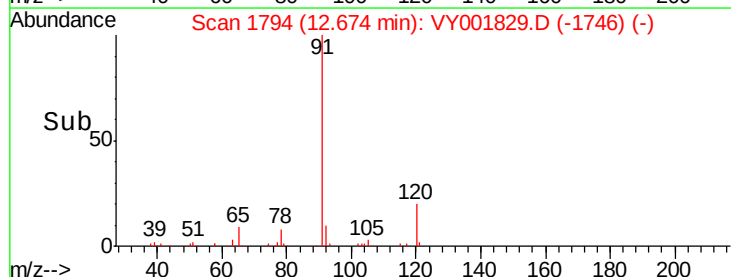
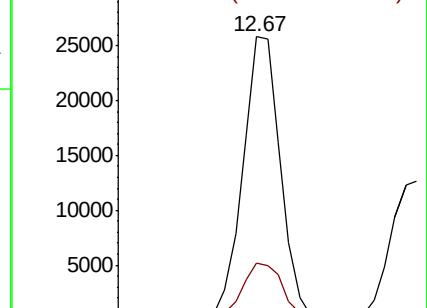
91 100

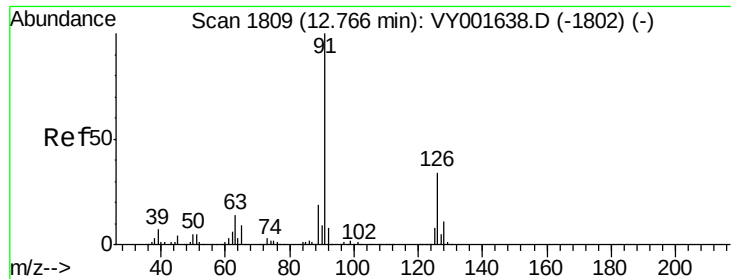
120 21.6 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 120.00 (119.70 to 120.70): V

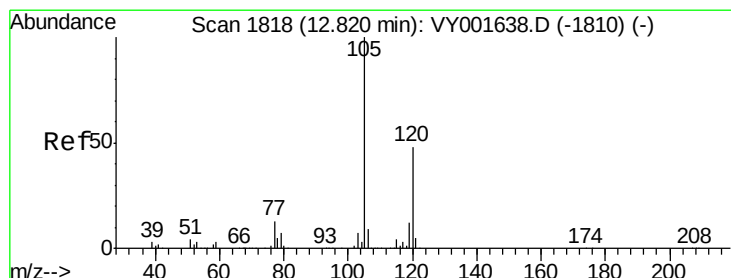
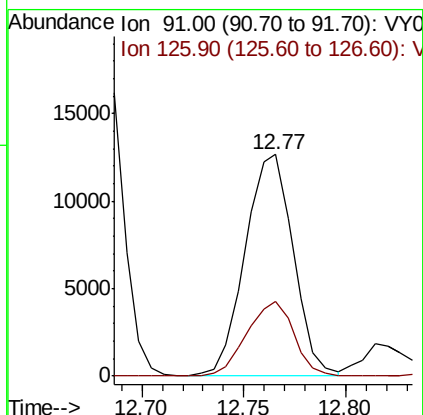
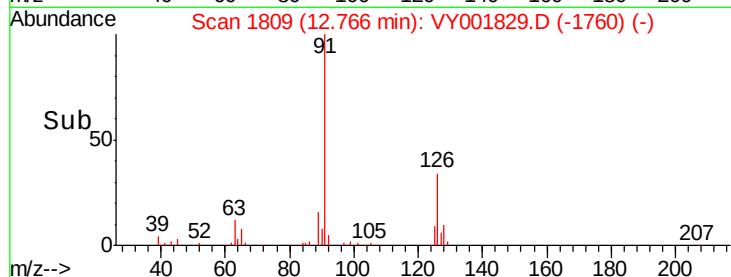
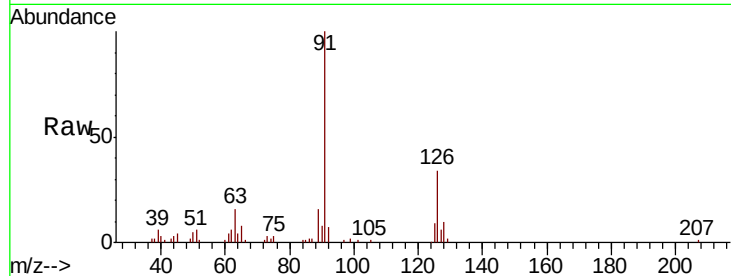




#79
2-Chlorotoluene
Concen: 3.104 ug/l
RT: 12.77 min Scan# 1809
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

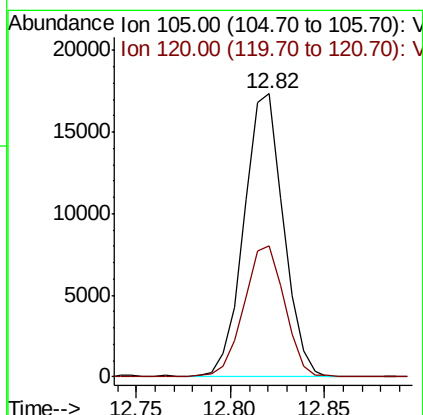
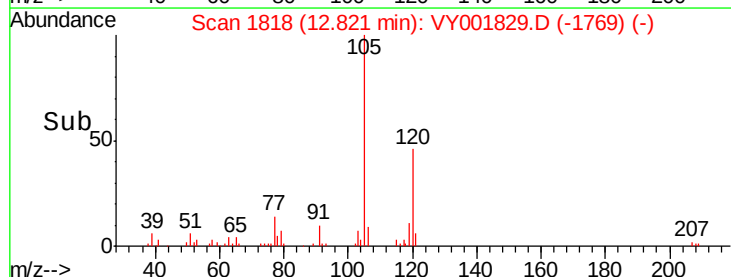
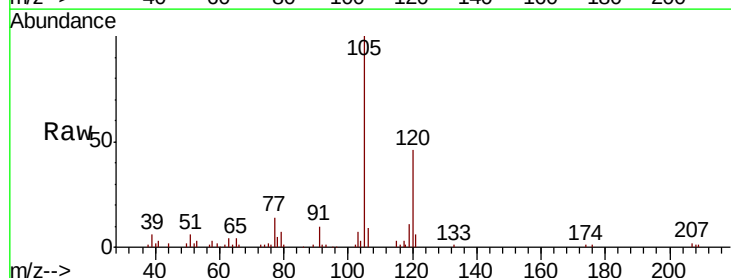
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

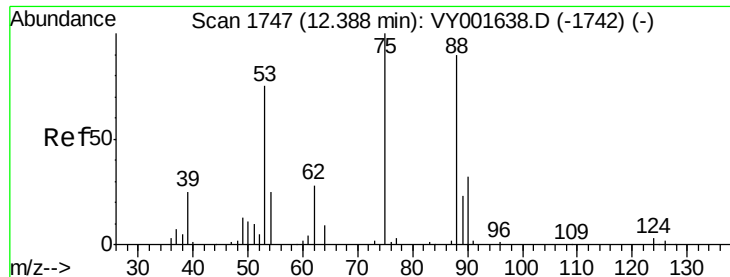
Tot Ion: 91 Resp: 20814
Ion Ratio Lower Upper
91 100
126 32.5 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 3.100 ug/l
RT: 12.82 min Scan# 1818
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 105 Resp: 25197
Ion Ratio Lower Upper
105 100
120 47.9 24.3 72.9





#81

trans-1,4-Dichloro-2-butene

Concen: 2.601 ug/l

RT: 12.39 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2020

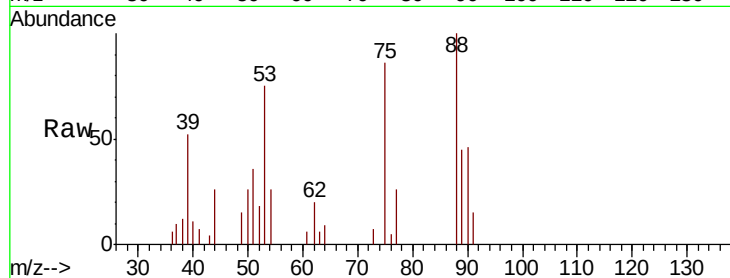
Tot Ion: 75 Resp: 2027

Ion Ratio Lower Upper

75 100

53 91.7 64.5 96.7

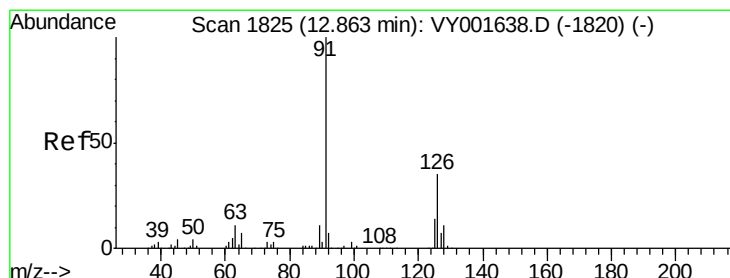
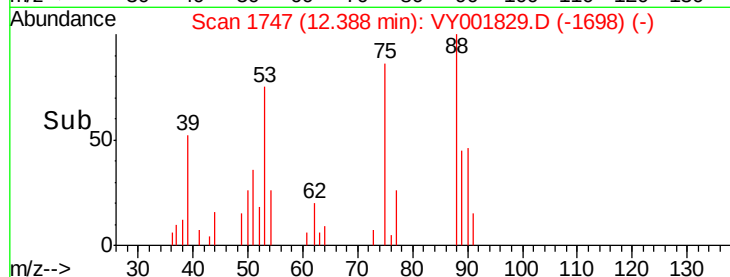
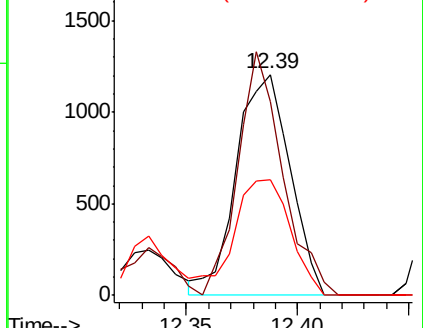
89 55.7 36.3 54.5#



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: 3.093 ug/l

RT: 12.86 min Scan# 1825

Delta R.T. 0.00 min

Lab File: VY001829.D

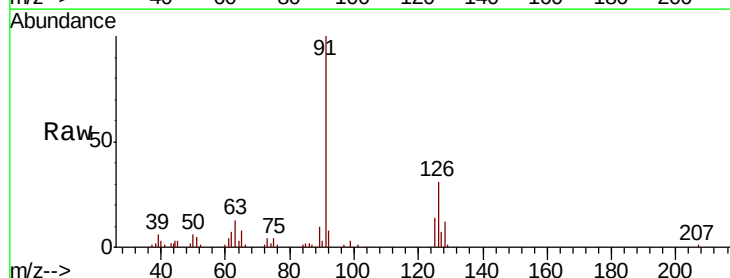
Acq: 03 Mar 2020 13:09

Tgt Ion: 91 Resp: 21878

Ion Ratio Lower Upper

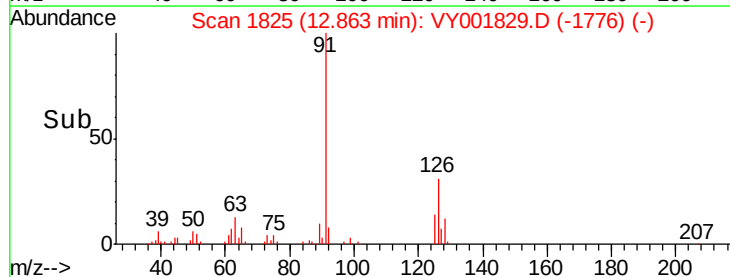
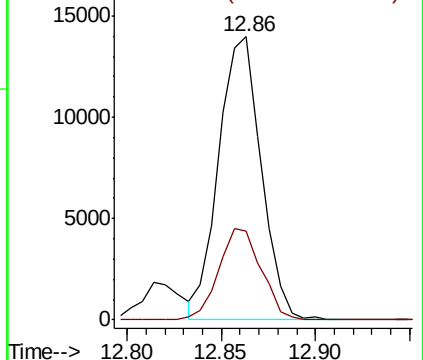
91 100

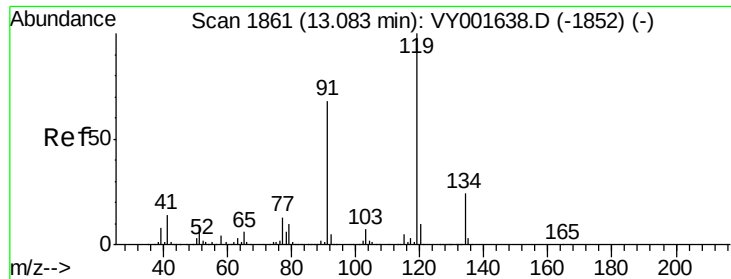
126 32.2 16.2 48.6



Abundance Ion 91.00 (90.70 to 91.70): VY0

Ion 125.90 (125.60 to 126.60): V

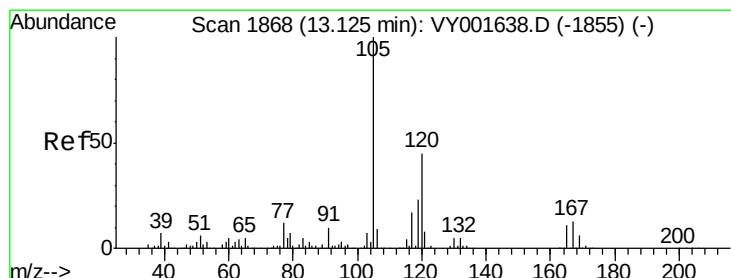
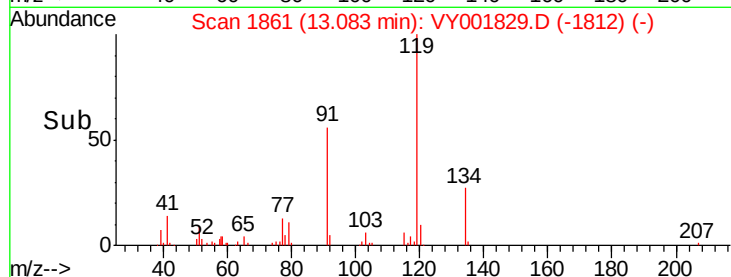
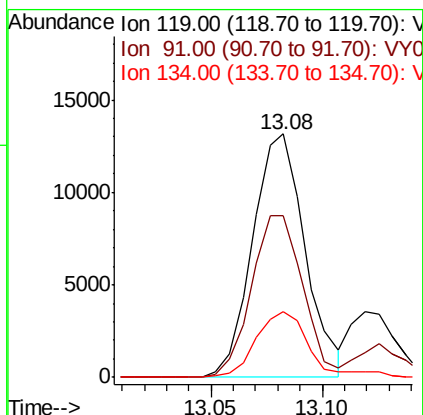
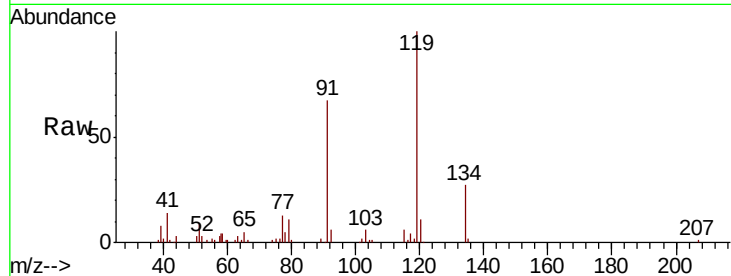




#83
tert-Butylbenzene
Concen: 3.161 ug/l
RT: 13.08 min Scan# 1861
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

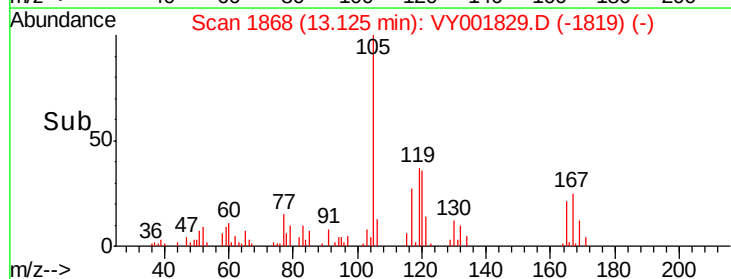
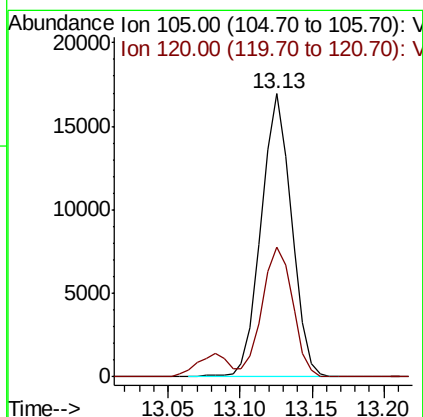
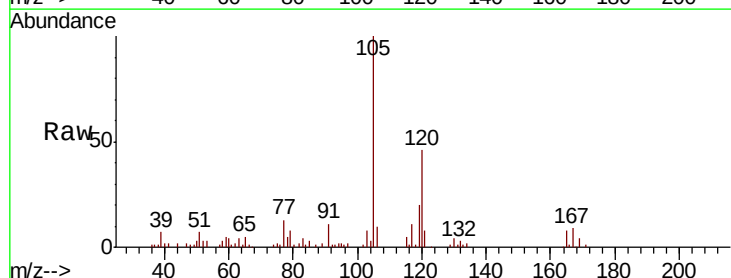
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

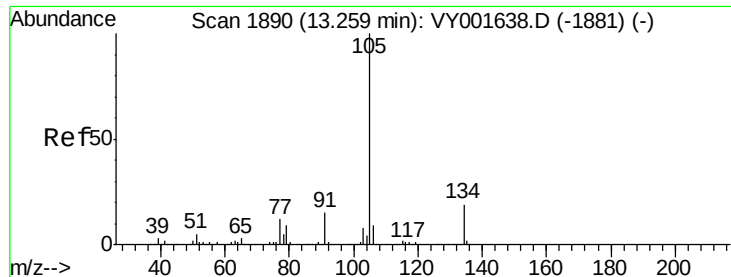
Tot Ion:119 Resp: 21482
Ion Ratio Lower Upper
119 100
91 65.4 33.5 100.5
134 27.6 13.3 39.8



#84
1,2,4-Trimethylbenzene
Concen: 3.053 ug/l
RT: 13.13 min Scan# 1868
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion:105 Resp: 24736
Ion Ratio Lower Upper
105 100
120 46.6 22.4 67.3





#85

sec-Butylbenzene

Concen: 3.093 ug/l

RT: 13.26 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

Instrument :

MSVOA_Y

ClientSampleId :

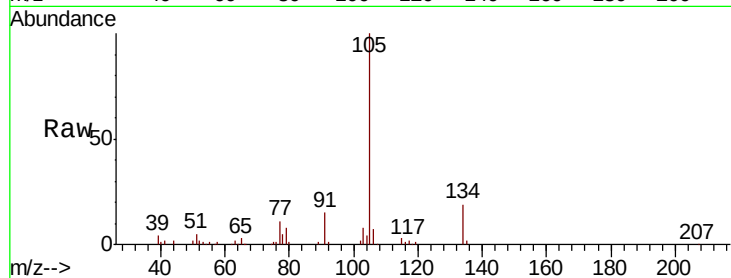
LOD-MDL-SOIL-01-QT1-2020

Tot Ion:105 Resp: 30915

Ion Ratio Lower Upper

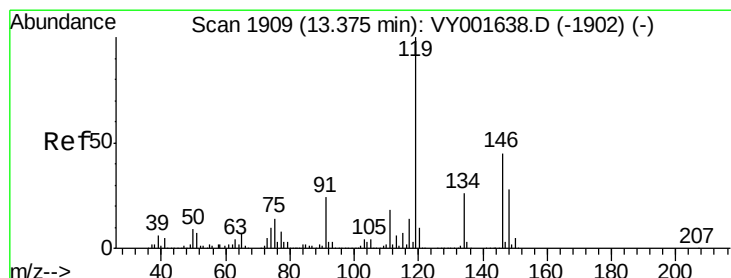
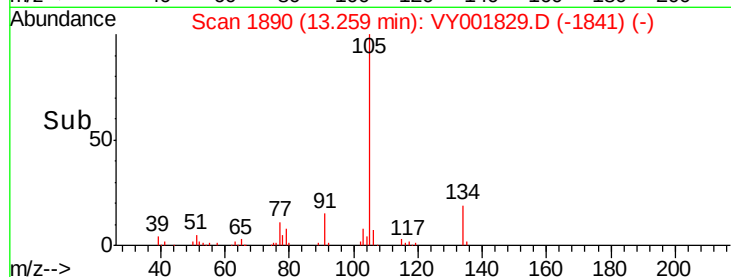
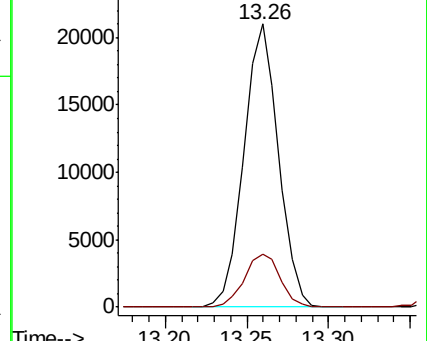
105 100

134 19.4 9.8 29.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 3.079 ug/l

RT: 13.38 min Scan# 1909

Delta R.T. 0.00 min

Lab File: VY001829.D

Acq: 03 Mar 2020 13:09

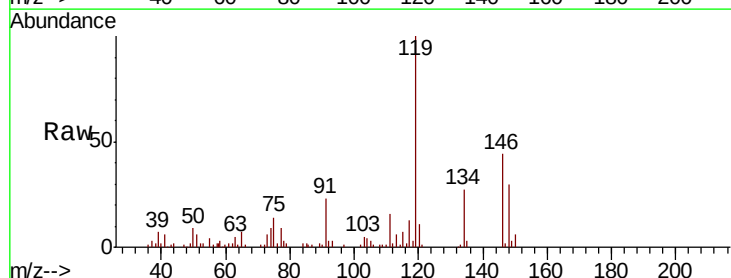
Tgt Ion:119 Resp: 26739

Ion Ratio Lower Upper

119 100

134 26.7 13.0 39.0

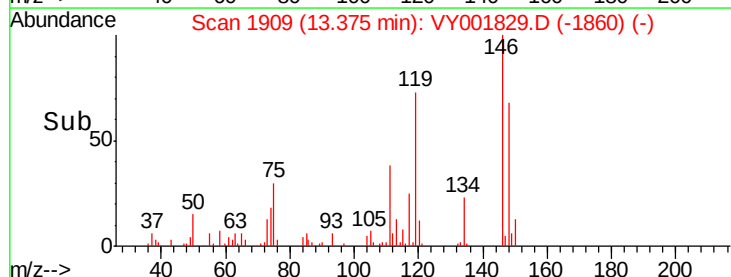
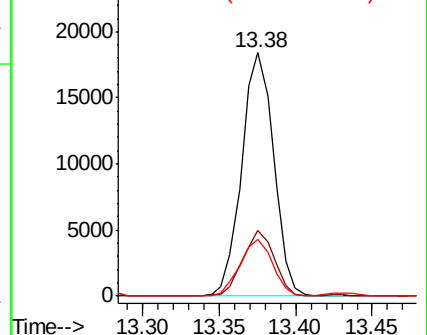
91 23.6 12.2 36.6

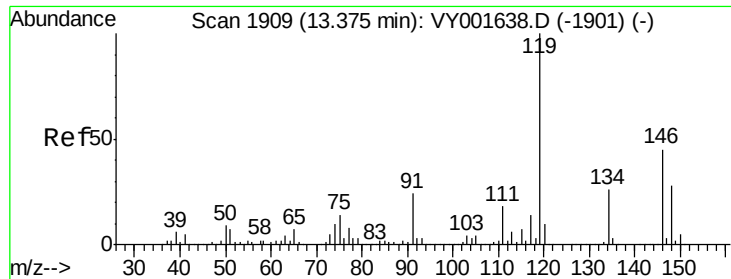


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): VY0

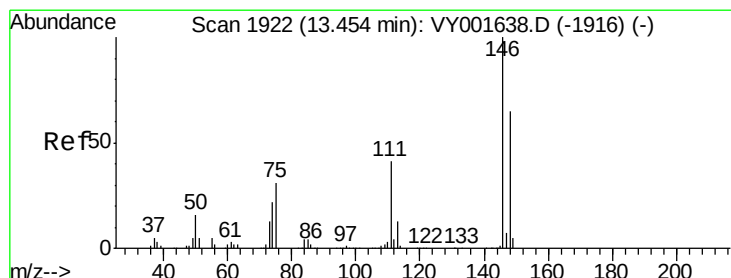
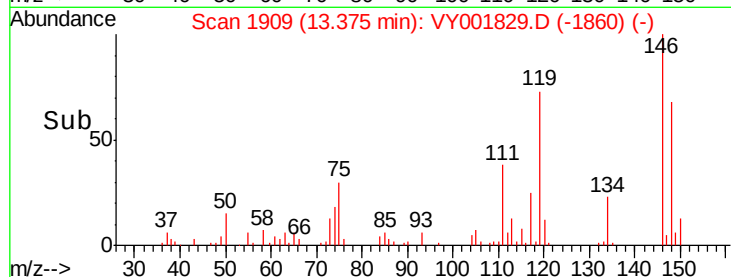
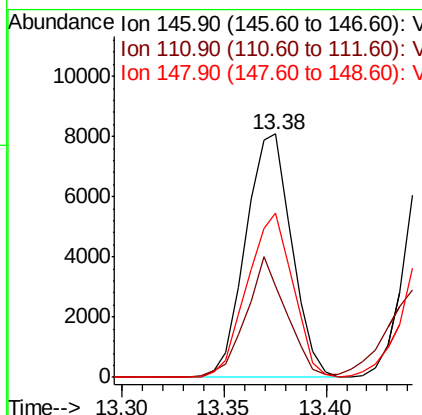
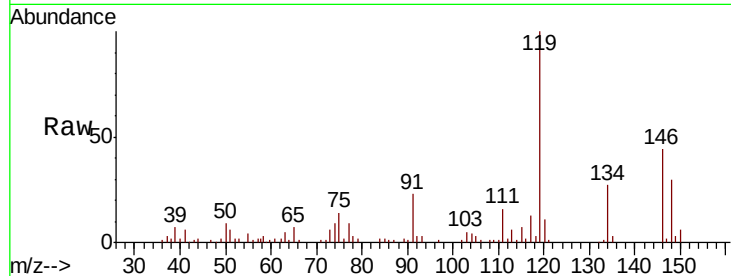




#87
 1,3-Dichlorobenzene
 Concen: 3.071 ug/l
 RT: 13.38 min Scan# 1909
 Delta R.T. 0.00 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

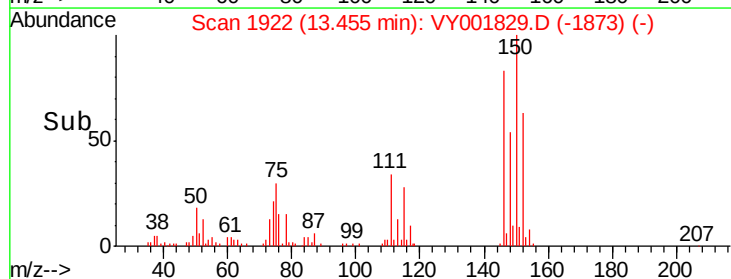
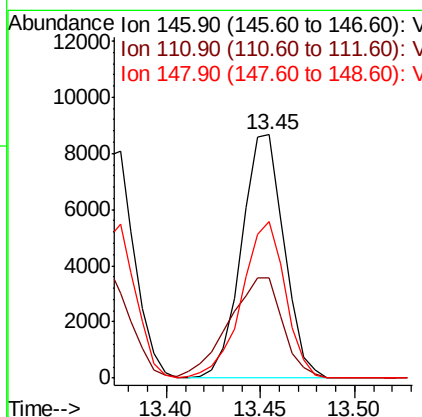
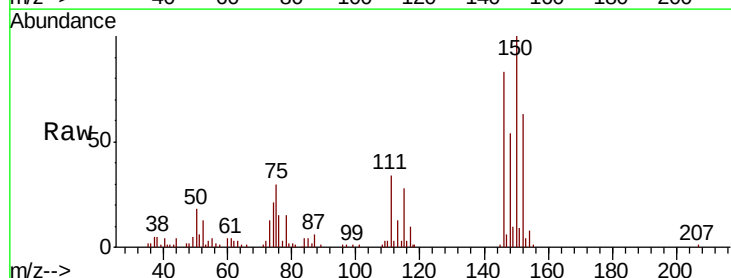
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

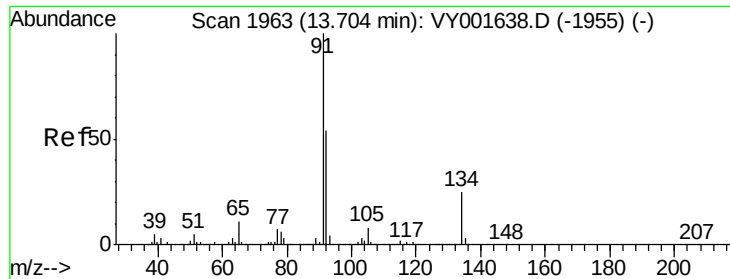
Tot Ion:146 Resp: 12674
 Ion Ratio Lower Upper
 146 100
 111 43.9 21.4 64.3
 148 67.0 31.6 94.7



#88
 1,4-Dichlorobenzene
 Concen: 3.250 ug/l
 RT: 13.45 min Scan# 1922
 Delta R.T. 0.00 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion:146 Resp: 13562
 Ion Ratio Lower Upper
 146 100
 111 52.4 20.4 61.3
 148 65.8 31.6 94.7

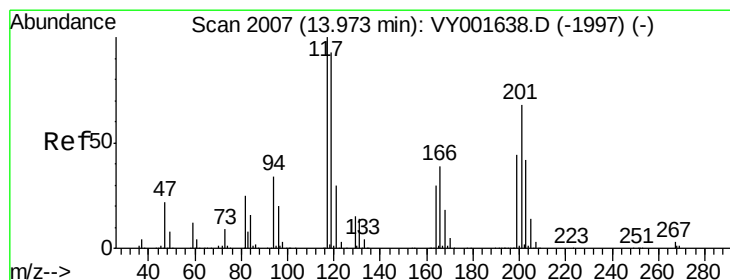
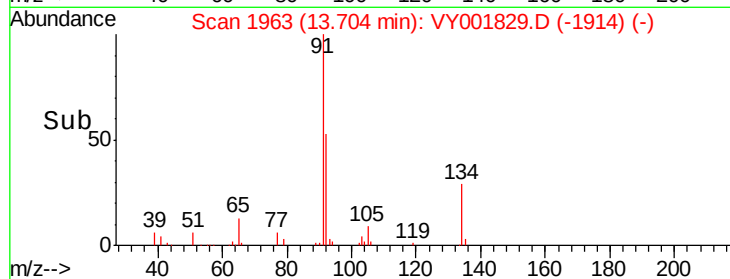
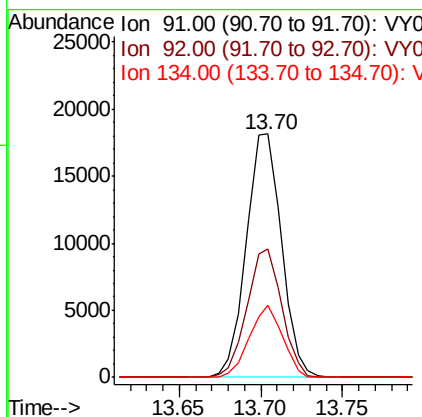
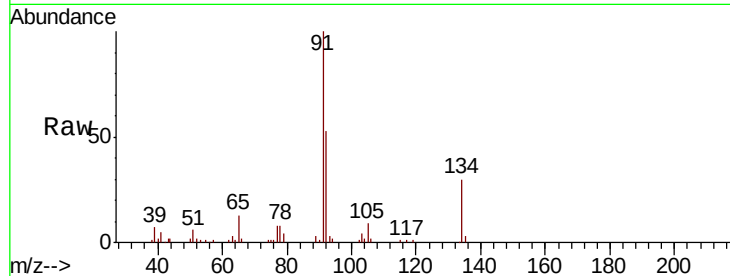




#89
n-Butylbenzene
Concen: 3.089 ug/l
RT: 13.70 min Scan# 1963
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

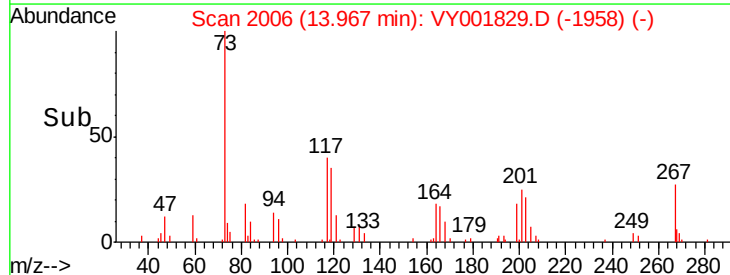
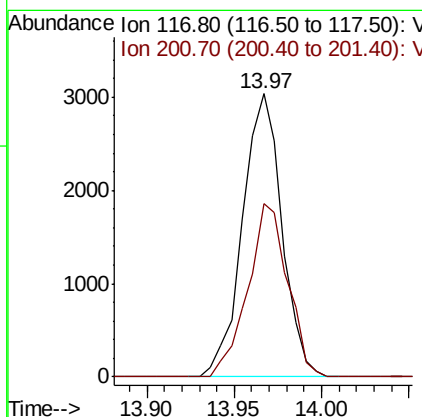
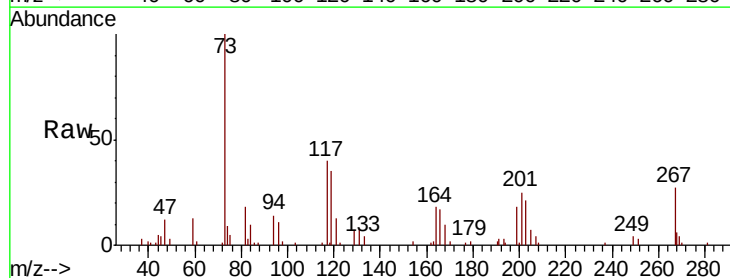
Instrument :
MSVOA_Y
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2020

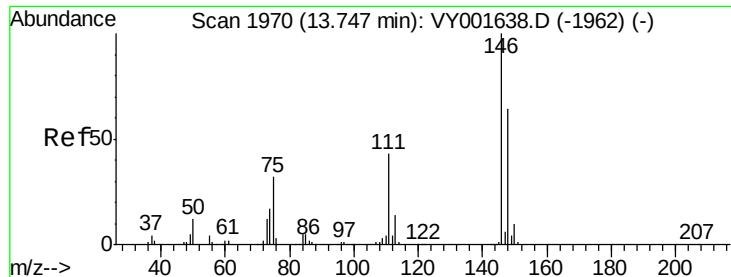
Tot Ion: 91 Resp: 27415
Ion Ratio Lower Upper
91 100
92 52.0 27.5 82.4
134 27.5 12.4 37.4



#90
Hexachloroethane
Concen: 2.907 ug/l
RT: 13.97 min Scan# 2006
Delta R.T. -0.01 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion: 117 Resp: 4756
Ion Ratio Lower Upper
117 100
201 61.7 32.5 97.4

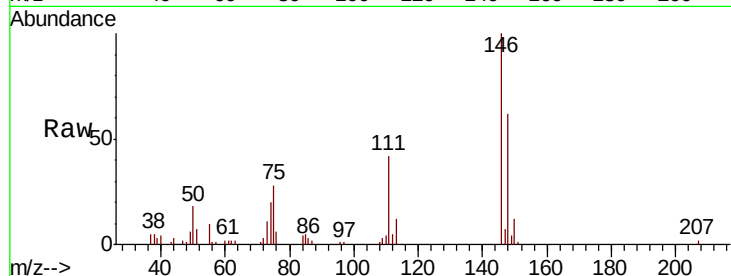




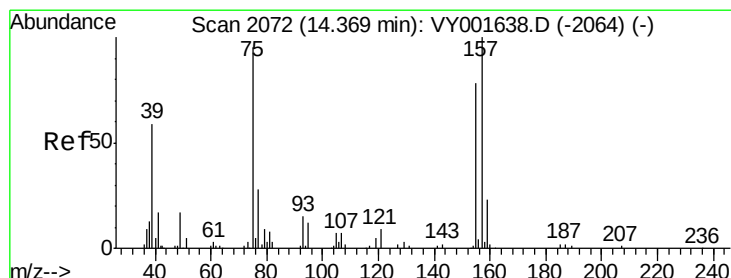
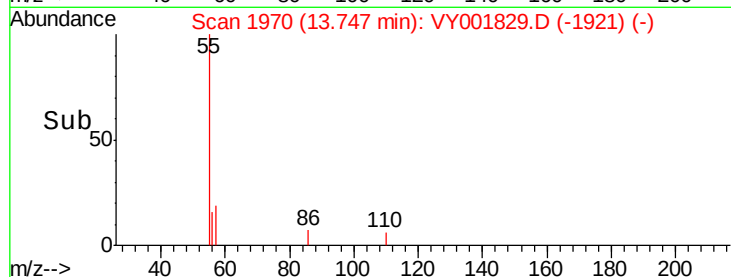
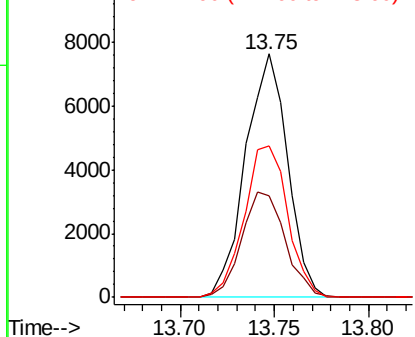
#91
 1,2-Dichlorobenzene
 Concen: 3.096 ug/l
 RT: 13.75 min Scan# 1970
 Delta R.T. 0.00 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

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

Tot Ion:146 Resp: 11792
 Ion Ratio Lower Upper
 146 100
 111 45.1 21.9 65.7
 148 64.6 31.5 94.5

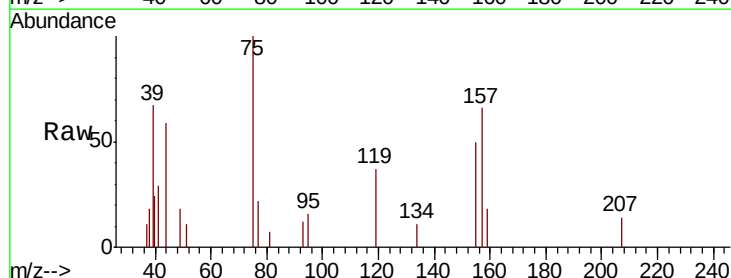


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

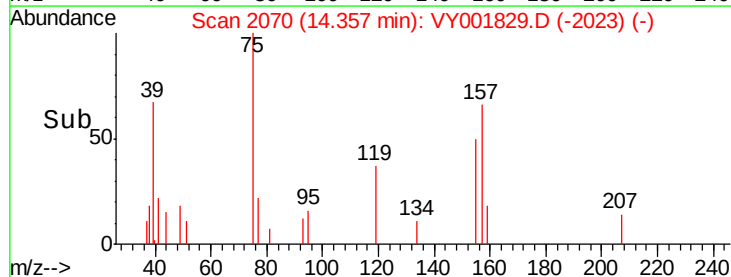
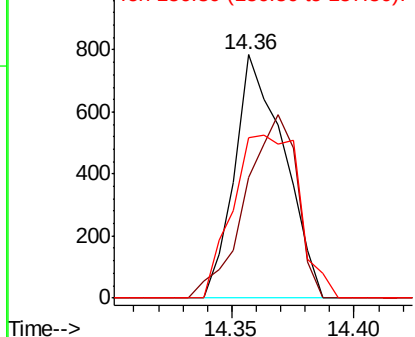


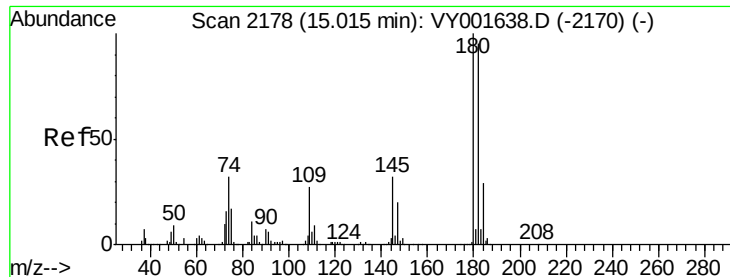
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 3.188 ug/l
 RT: 14.36 min Scan# 2070
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion: 75 Resp: 1103
 Ion Ratio Lower Upper
 75 100
 155 78.8 40.8 122.4
 157 90.1 52.1 156.4



Abundance Ion 74.90 (74.60 to 75.60): VY0
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

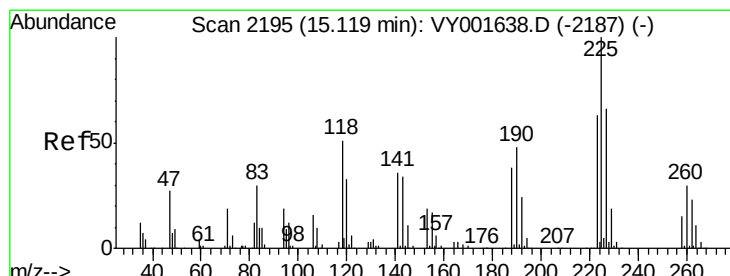
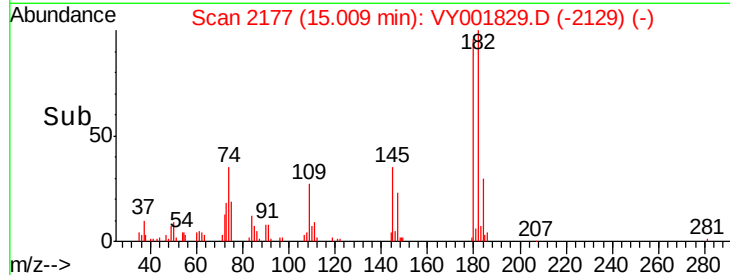
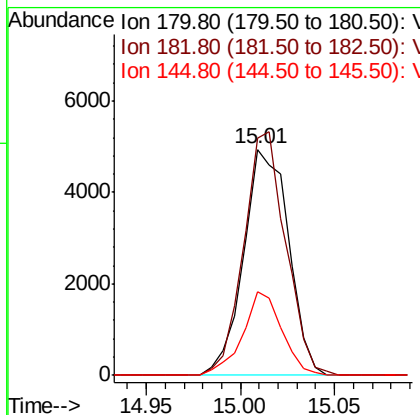
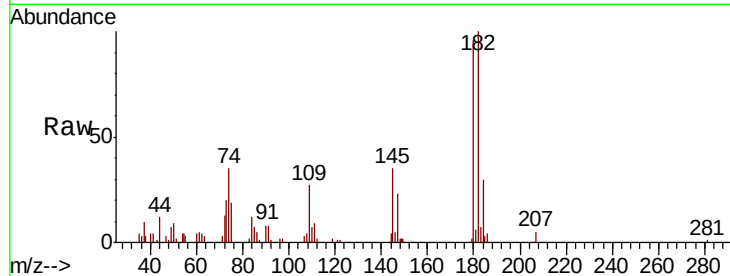




#93
 1,2,4-Trichlorobenzene
 Concen: 3.241 ug/l
 RT: 15.01 min Scan# 2177
 Delta R.T. -0.01 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

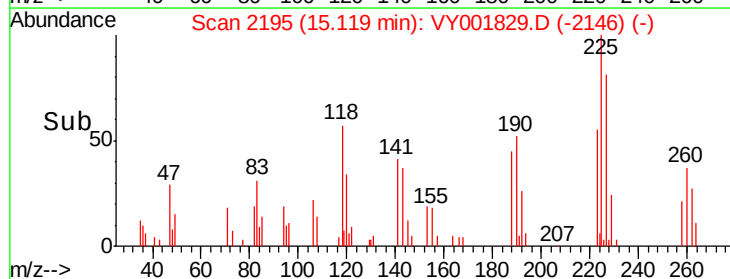
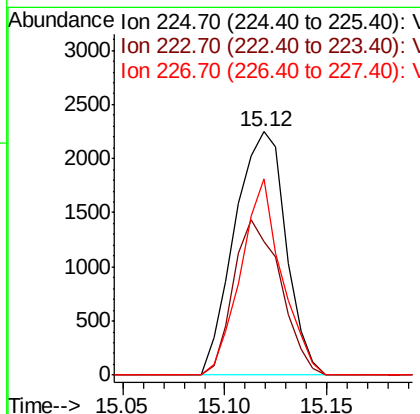
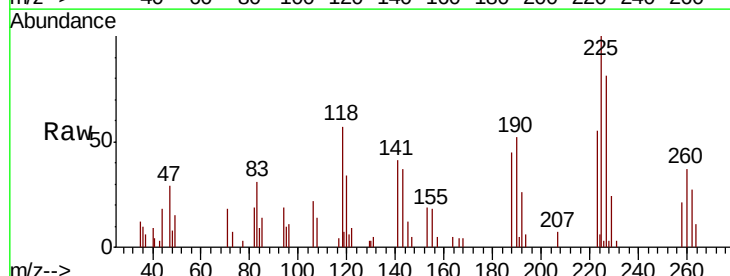
Instrument :
 MSVOA_Y
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2020

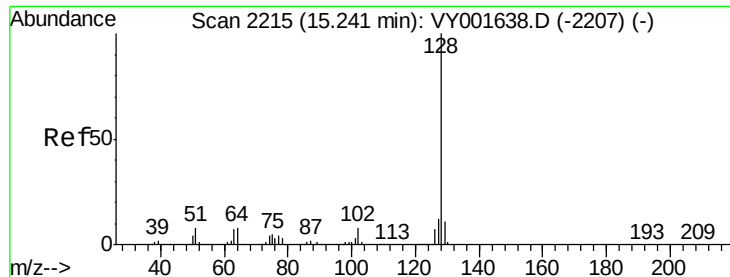
Tot Ion:180 Resp: 8180
 Ion Ratio Lower Upper
 180 100
 182 100.7 46.8 140.3
 145 32.2 16.2 48.5



#94
 Hexachlorobutadiene
 Concen: 3.128 ug/l
 RT: 15.12 min Scan# 2195
 Delta R.T. 0.00 min
 Lab File: VY001829.D
 Acq: 03 Mar 2020 13:09

Tgt Ion:225 Resp: 3927
 Ion Ratio Lower Upper
 225 100
 223 58.7 31.4 94.0
 227 64.6 31.6 94.8

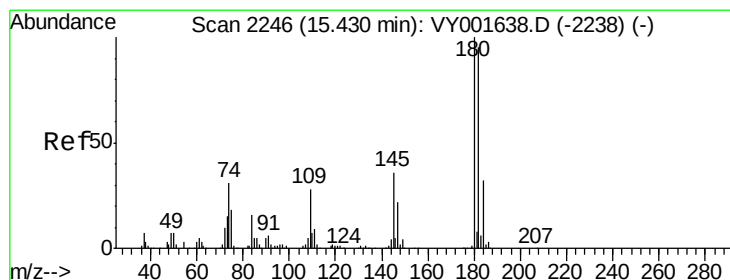
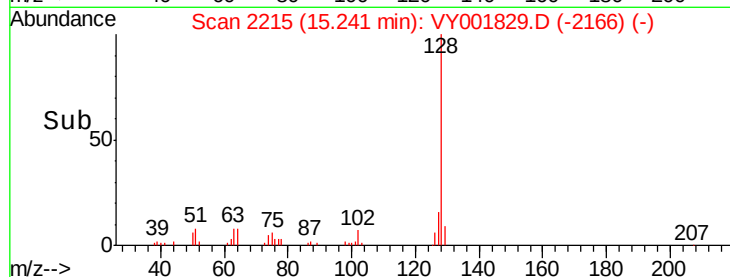
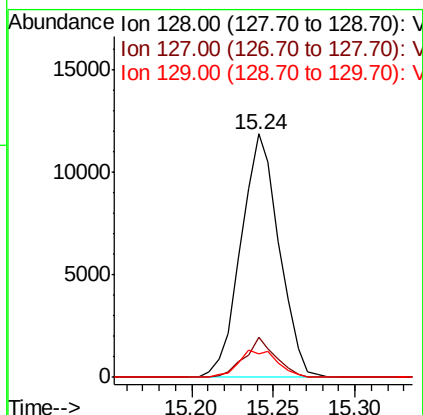
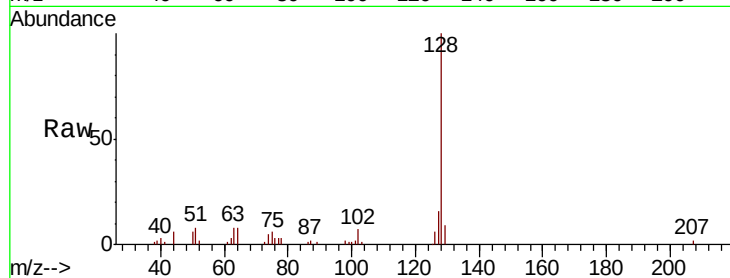




#95
Naphthalene
Concen: 3.325 ug/l
RT: 15.24 min Scan# 2215
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

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

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.9	14.9
129	11.1	8.6	13.0



#96
1,2,3-Trichlorobenzene
Concen: 3.550 ug/l
RT: 15.43 min Scan# 2246
Delta R.T. 0.00 min
Lab File: VY001829.D
Acq: 03 Mar 2020 13:09

Tgt Ion	Ratio	Lower	Upper
180	100		
182	87.4	47.2	141.6
145	35.0	17.3	52.0

