

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101020\
 Data File : VW016869.D
 Acq On : 09 Oct 2020 19:18
 Operator : SY/VA
 Sample : L4214-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Quant Time: Oct 10 05:32:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 05:30:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	382088	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	573828	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	507357	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	259005	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.31	65	168085	54.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	108.16%	
35) Dibromofluoromethane	7.89	113	176763	50.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.52%	
50) Toluene-d8	10.33	98	671227	50.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.80%	
62) 4-Bromofluorobenzene	12.62	95	236396	51.98	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.96%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.01	85	8787	4.216	ug/l	96
3) Chloromethane	2.21	50	10850	4.748	ug/l	100
4) Vinyl Chloride	2.37	62	14119	4.273	ug/l	97
5) Bromomethane	2.79	94	11349	4.472	ug/l	93
6) Chloroethane	2.93	64	9151	4.352	ug/l	94
7) Trichlorofluoromethane	3.26	101	9303	3.867	ug/l	89
8) Diethyl Ether	3.68	74	6470	4.306	ug/l	91
9) 1,1,2-Trichlorotrifluoroet	4.07	101	14507	4.478	ug/l	97
10) Methyl Iodide	4.28	142	22857	4.414	ug/l	98
11) Tert butyl alcohol	5.16	59	4634	30.510	ug/l	97
12) 1,1-Dichloroethene	4.05	96	13780	4.310	ug/l	99
13) Acrolein	3.90	56	5014	24.418	ug/l	98
14) Allyl chloride	4.68	41	16493	4.309	ug/l	97
15) Acrylonitrile	5.37	53	10879	21.751	ug/l	96
16) Acetone	4.12	43	12536	24.905	ug/l	99
17) Carbon Disulfide	4.40	76	34868	4.099	ug/l	97
18) Methyl Acetate	4.68	43	5578	4.831	ug/l	98
19) Methyl tert-butyl Ether	5.43	73	16285	4.726	ug/l	99
20) Methylene Chloride	4.92	84	23643	5.927	ug/l	97
21) trans-1,2-Dichloroethene	5.43	96	15495	4.317	ug/l	97
22) Diisopropyl ether	6.32	45	31109	4.472	ug/l	98
23) Vinyl Acetate	6.26	43	91361	20.497	ug/l	100
24) 1,1-Dichloroethane	6.22	63	24038	4.358	ug/l	98
25) 2-Butanone	7.18	43	14965	22.301	ug/l	100
26) 2,2-Dichloropropane	7.17	77	15297	4.533	ug/l	94
27) cis-1,2-Dichloroethene	7.17	96	16931	4.404	ug/l	96
28) Bromochloromethane	7.51	49	10016	4.537	ug/l	97
29) Tetrahydrofuran	7.54	42	8716	23.188	ug/l	98
30) Chloroform	7.68	83	26512	4.421	ug/l	98
31) Cyclohexane	7.96	56	24404	5.187	ug/l #	72
32) 1,1,1-Trichloroethane	7.88	97	21782	4.306	ug/l	97
36) 1,1-Dichloropropene	8.09	75	20919	4.217	ug/l	98
37) Ethyl Acetate	7.26	43	6290	3.881	ug/l #	93
38) Carbon Tetrachloride	8.07	117	20509	3.976	ug/l	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\WV101020\
 Data File : VW016869.D
 Acq On : 09 Oct 2020 19:18
 Operator : SY/VA
 Sample : L4214-01 4PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Quant Time: Oct 10 05:32:09 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 10 05:30:24 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	22668	4.007	ug/l	98
40) Benzene	8.33	78	58839	4.257	ug/l	98
41) Methacrylonitrile	7.50	41	3885	4.045	ug/l	97
42) 1,2-Dichloroethane	8.40	62	16623	4.397	ug/l	97
43) Isopropyl Acetate	8.43	43	13041	4.200	ug/l	96
44) Trichloroethene	9.10	130	18041	4.217	ug/l	100
45) 1,2-Dichloropropane	9.37	63	13450	4.267	ug/l	97
46) Dibromomethane	9.46	93	7798	4.325	ug/l	99
47) Bromodichloromethane	9.65	83	18816	4.197	ug/l	88
48) Methyl methacrylate	9.44	41	5671	3.964	ug/l	96
49) 1,4-Dioxane	9.46	88	1713	82.603	ug/l #	96
51) 4-Methyl-2-Pentanone	10.21	43	34121	21.723	ug/l	98
52) Toluene	10.39	92	38684	4.234	ug/l	97
53) t-1,3-Dichloropropene	10.61	75	15314	3.753	ug/l	95
54) cis-1,3-Dichloropropene	10.08	75	19704	3.953	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	10787	4.203	ug/l	94
56) Ethyl methacrylate	10.65	69	11318	4.054	ug/l	96
57) 1,3-Dichloropropane	10.93	76	18668	4.397	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	29821	19.277	ug/l	98
59) 2-Hexanone	10.98	43	20525	19.750	ug/l	98
60) Dibromochloromethane	11.13	129	12547	3.986	ug/l	100
61) 1,2-Dibromoethane	11.24	107	10944	4.306	ug/l	99
64) Tetrachloroethene	10.87	164	16295	4.508	ug/l	96
65) Chlorobenzene	11.66	112	43729	4.394	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.73	131	14578	4.142	ug/l	99
67) Ethyl Benzene	11.73	91	73321	4.228	ug/l	99
68) m/p-Xylenes	11.84	106	55344	8.206	ug/l	99
69) o-Xylene	12.17	106	26232	4.238	ug/l	97
70) Styrene	12.18	104	42076	4.085	ug/l	99
71) Bromoform	12.35	173	6926	3.920	ug/l #	96
73) Isopropylbenzene	12.47	105	71320	4.143	ug/l	99
74) N-amyl acetate	12.27	43	11026	3.987	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.72	83	11872	4.395	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	14248	7.372	ug/l	31
77) Bromobenzene	12.75	156	18750	4.406	ug/l	97
78) n-propylbenzene	12.80	91	82608	4.161	ug/l	99
79) 2-Chlorotoluene	12.90	91	48293	4.264	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	59256	4.107	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.62	75	115096	160.078	ug/l #	11
82) 4-Chlorotoluene	12.99	91	51132	4.373	ug/l	98
83) tert-Butylbenzene	13.21	119	52482	4.188	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	60000	4.174	ug/l	99
85) sec-Butylbenzene	13.38	105	71746	4.114	ug/l	100
86) p-Isopropyltoluene	13.50	119	68614	4.225	ug/l	97
87) 1,3-Dichlorobenzene	13.50	146	35583	4.324	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	37312	4.601	ug/l	95
89) n-Butylbenzene	13.82	91	57474	3.928	ug/l	100
90) Hexachloroethane	14.10	117	9953	3.972	ug/l	99
91) 1,2-Dichlorobenzene	13.87	146	31391	4.421	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1717	4.151	ug/l	97

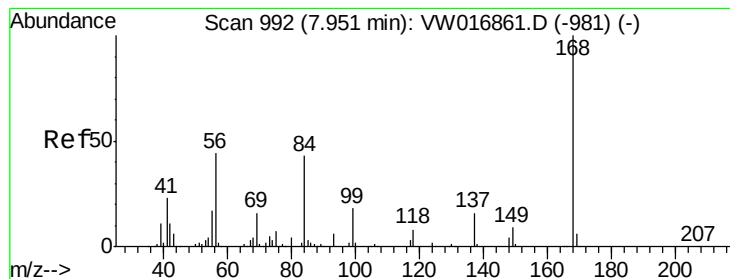
Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW101020\
Data File : VW016869.D
Acq On : 09 Oct 2020 19:18
Operator : SY/VA
Sample : L4214-01 4PPBLOD
Misc : 5.00G/5ML/MSVOA W/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Quant Time: Oct 10 05:32:09 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W101020S.M
Quant Title : SW846 8260
QLast Update : Sat Oct 10 05:30:24 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	20400	4.164	ug/l	99
94) Hexachlorobutadiene	15.24	225	13773	4.337	ug/l	96
95) Naphthalene	15.37	128	30199	3.793	ug/l	99
96) 1,2,3-Trichlorobenzene	15.56	180	17195	4.035	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 992

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

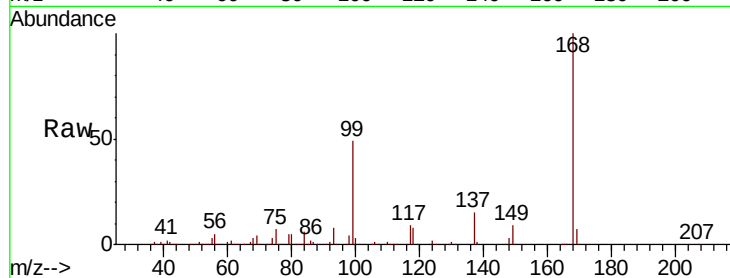
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:168 Resp: 382088

Ion Ratio Lower Upper

168 100

99 49.0 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): VW

Ion 98.90 (98.60 to 99.60): VW

7.95

200000

150000

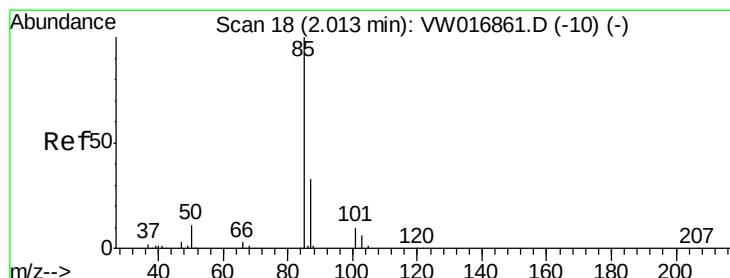
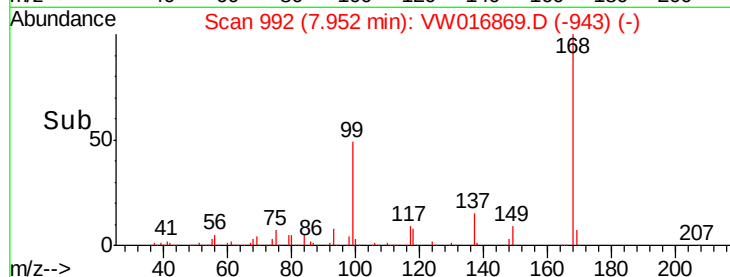
100000

50000

0

7.80 7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 4.216 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW016869.D

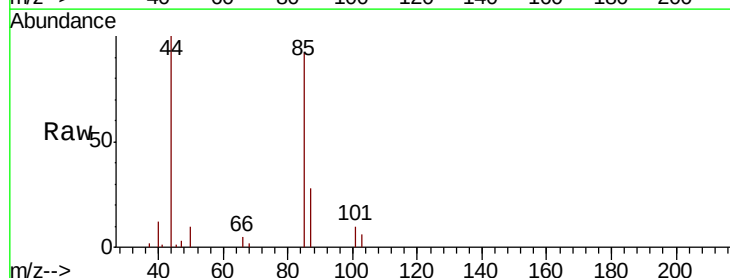
Acq: 09 Oct 2020 19:18

Tgt Ion: 85 Resp: 8787

Ion Ratio Lower Upper

85 100

87 30.5 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

4000

3000

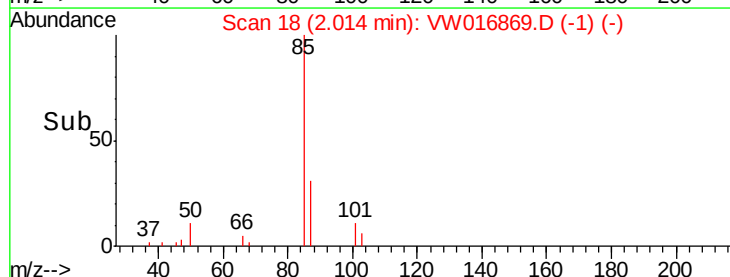
2000

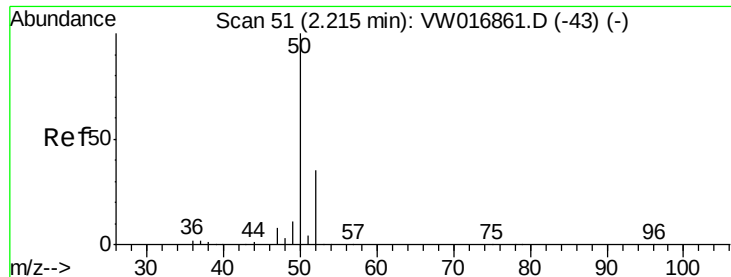
1000

0

1.95 2.00 2.05 2.10 2.15

Time-->





#3

Chloromethane

Concen: 4.748 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

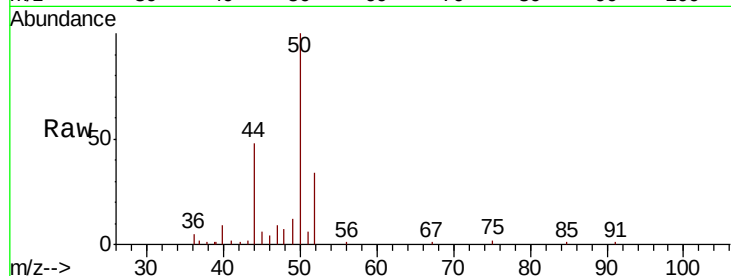
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 50 Resp: 10850

Ion Ratio Lower Upper

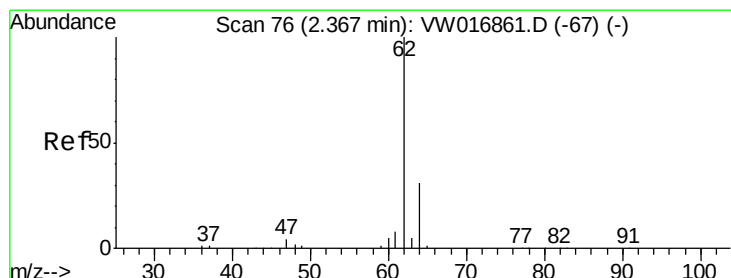
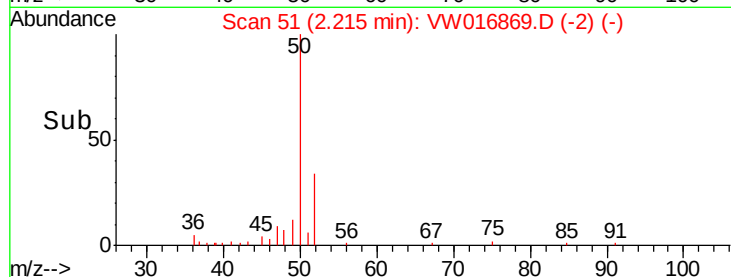
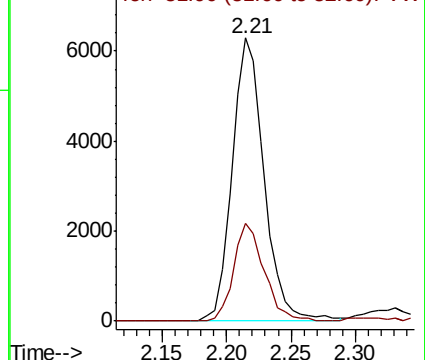
50 100

52 34.5 27.6 41.4



Abundance Ion 49.90 (49.60 to 50.60): VW

Ion 51.90 (51.60 to 52.60): VW



#4

Vinyl Chloride

Concen: 4.273 ug/l

RT: 2.37 min Scan# 76

Delta R.T. 0.00 min

Lab File: VW016869.D

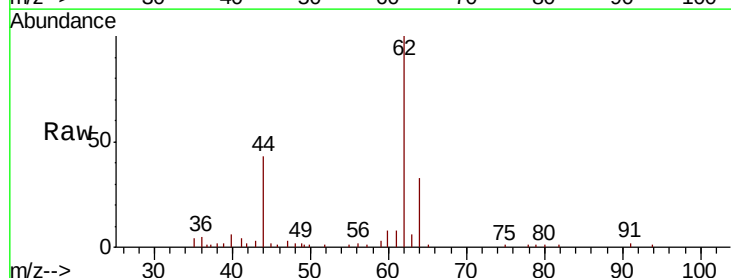
Acq: 09 Oct 2020 19:18

Tgt Ion: 62 Resp: 14119

Ion Ratio Lower Upper

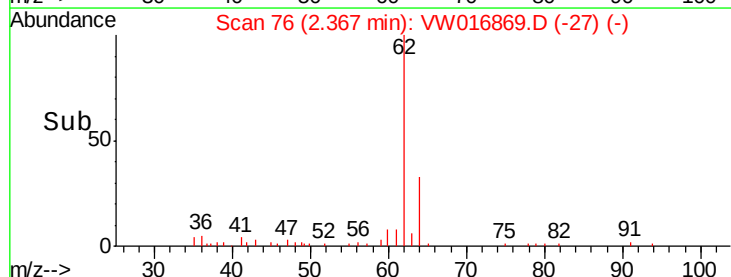
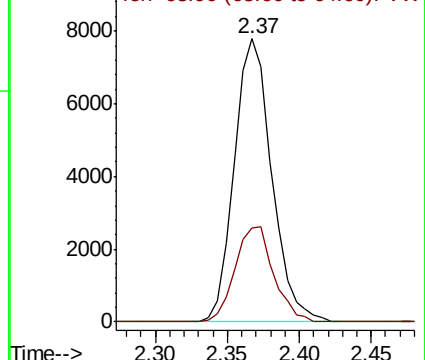
62 100

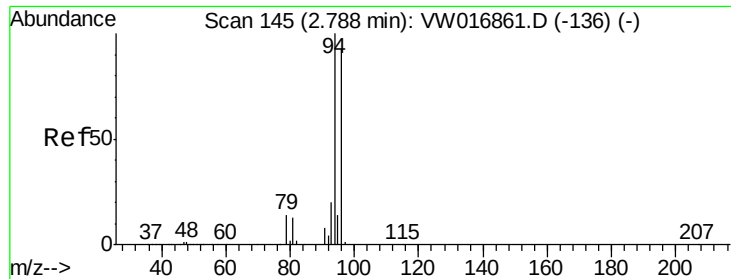
64 33.0 25.0 37.4



Abundance Ion 61.90 (61.60 to 62.60): VW

Ion 63.90 (63.60 to 64.60): VW





#5

Bromomethane

Concen: 4.472 ug/l

RT: 2.79 min Scan# 145

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

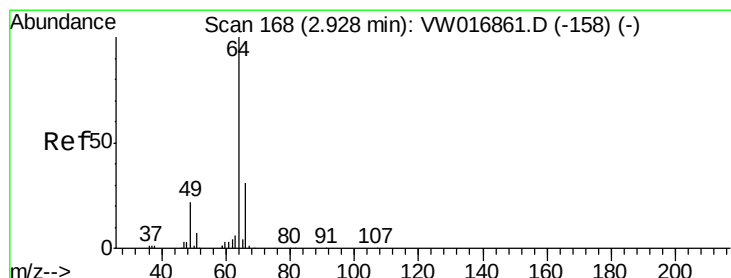
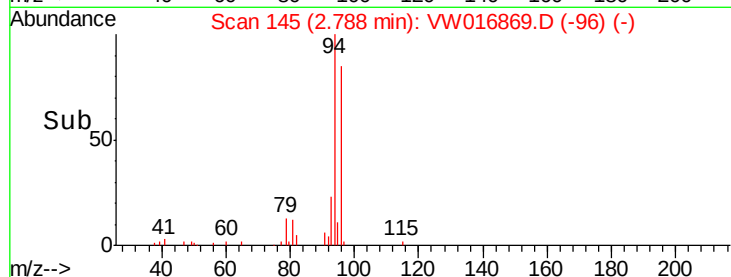
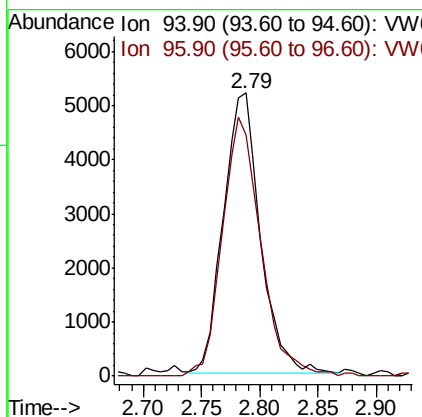
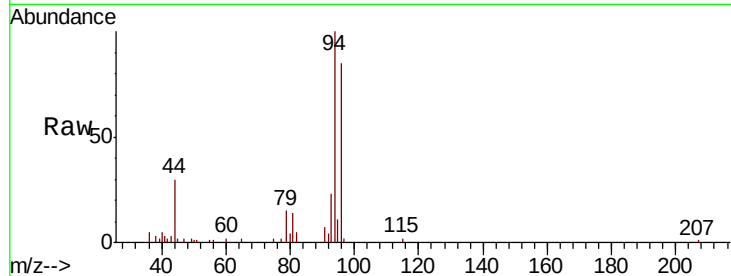
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 94 Resp: 11349

Ion Ratio Lower Upper

94 100

96 86.2 74.7 112.1



#6

Chloroethane

Concen: 4.352 ug/l

RT: 2.93 min Scan# 168

Delta R.T. 0.00 min

Lab File: VW016869.D

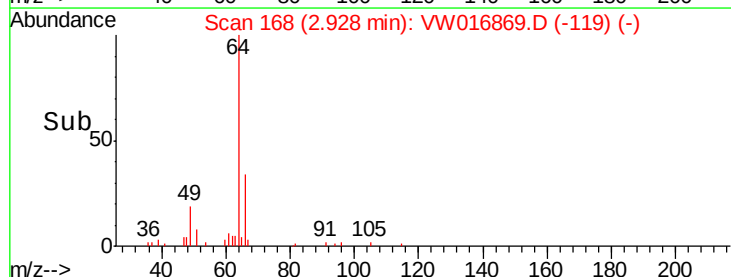
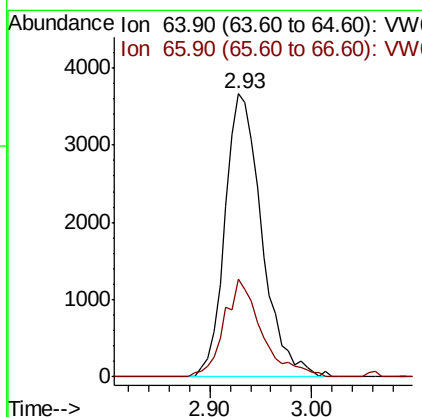
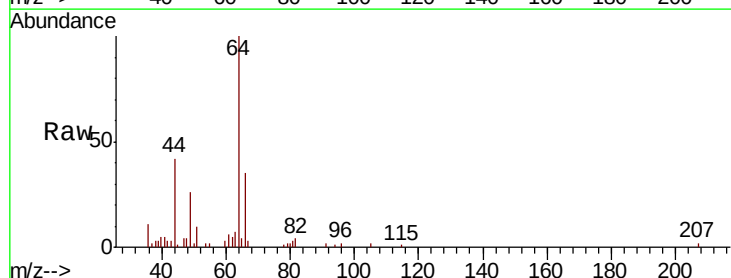
Acq: 09 Oct 2020 19:18

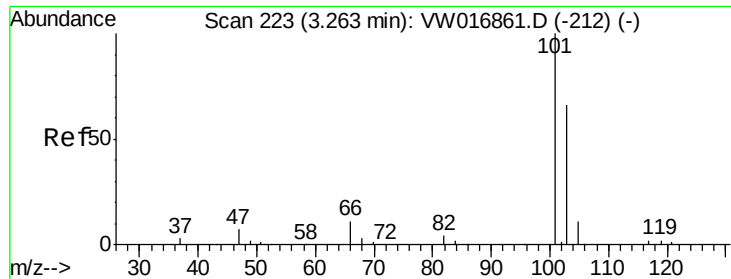
Tgt Ion: 64 Resp: 9151

Ion Ratio Lower Upper

64 100

66 34.6 25.0 37.6



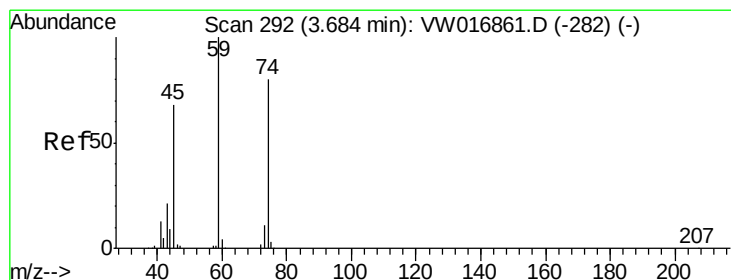
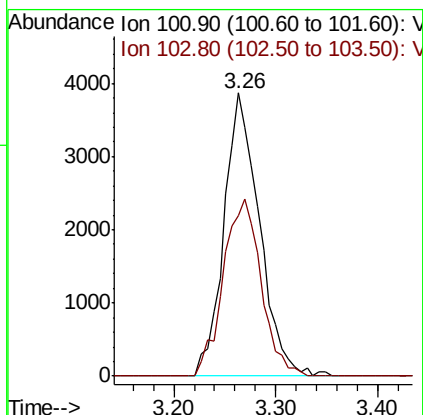
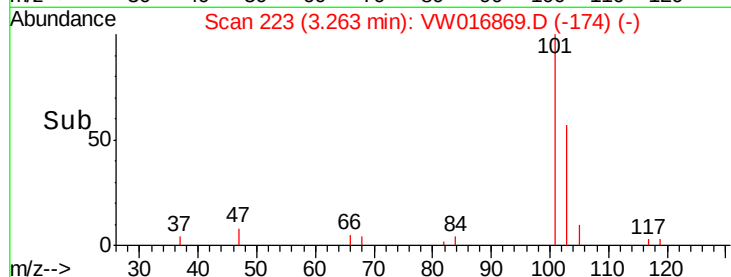
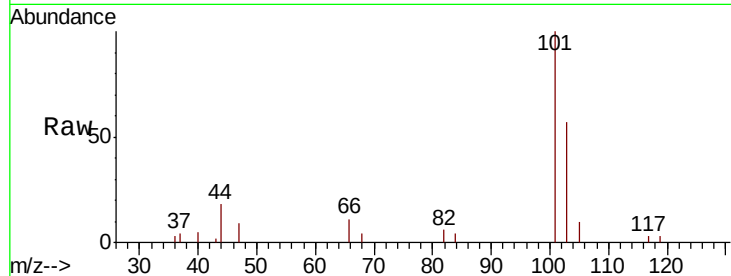


#7

Trichlorofluoromethane
Concen: 3.867 ug/l
RT: 3.26 min Scan# 223
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

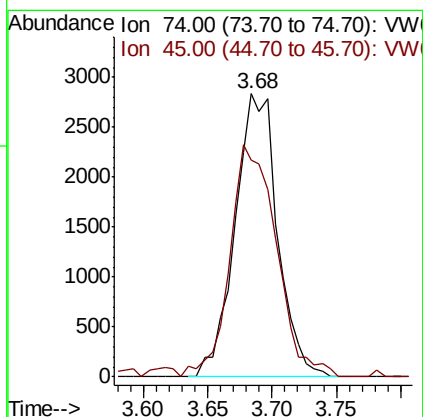
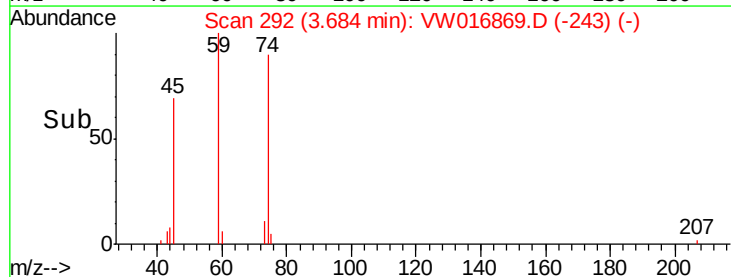
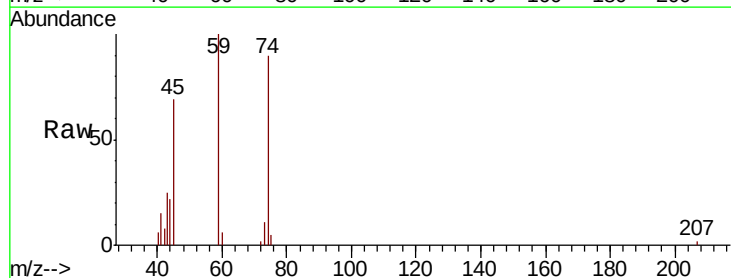
Tot Ion:101 Resp: 9303
Ion Ratio Lower Upper
101 100
103 56.8 52.6 79.0

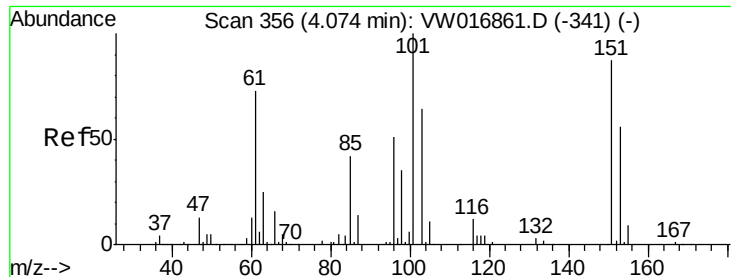


#8

Diethyl Ether
Concen: 4.306 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion: 74 Resp: 6470
Ion Ratio Lower Upper
74 100
45 90.1 41.1 123.4





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.478 ug/l

RT: 4.07 min Scan# 356

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

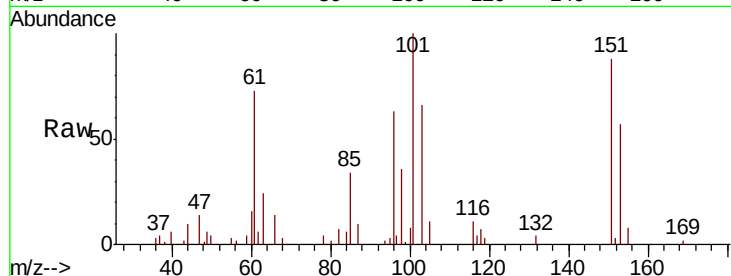
Tot Ion:101 Resp: 14507

Ion Ratio Lower Upper

101 100

85 38.7 33.2 49.8

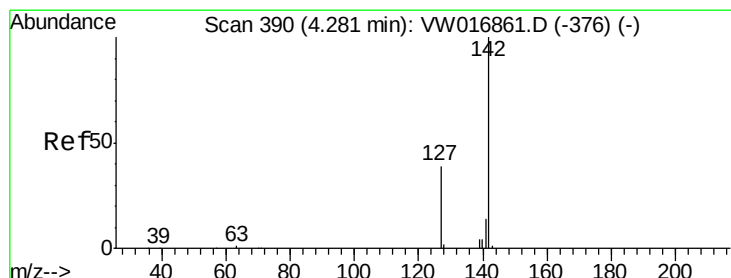
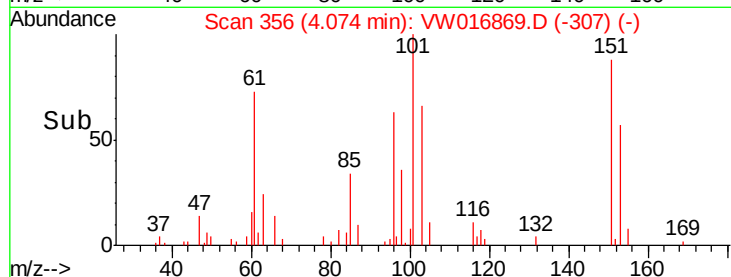
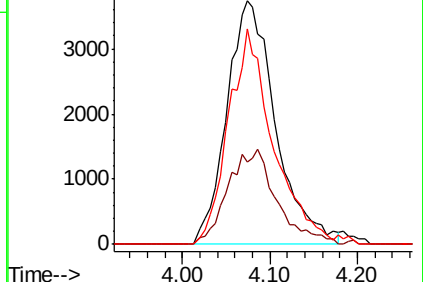
151 80.6 66.6 100.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VW

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.414 ug/l

RT: 4.28 min Scan# 390

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

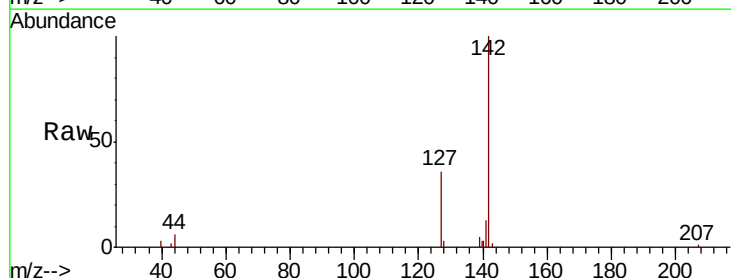
Tgt Ion:142 Resp: 22857

Ion Ratio Lower Upper

142 100

127 42.4 32.4 48.6

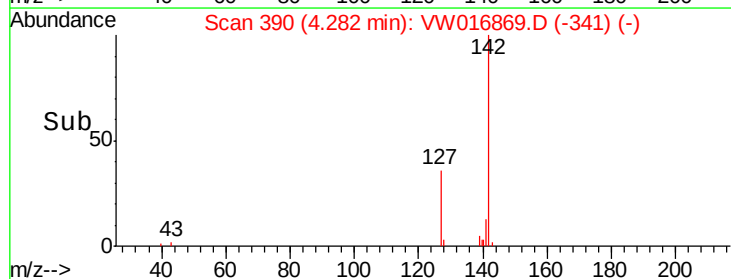
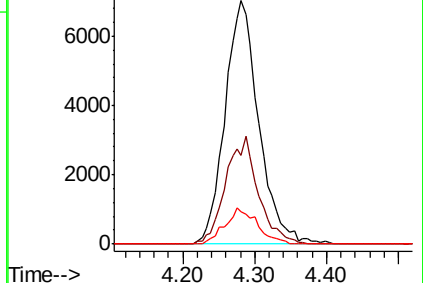
141 14.2 11.4 17.0

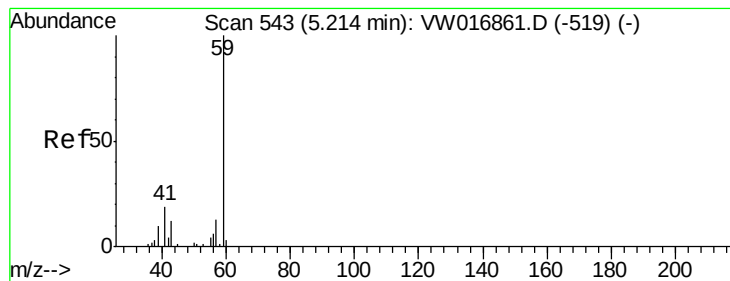


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 30.510 ug/l

RT: 5.16 min Scan# 534

Delta R.T. -0.05 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

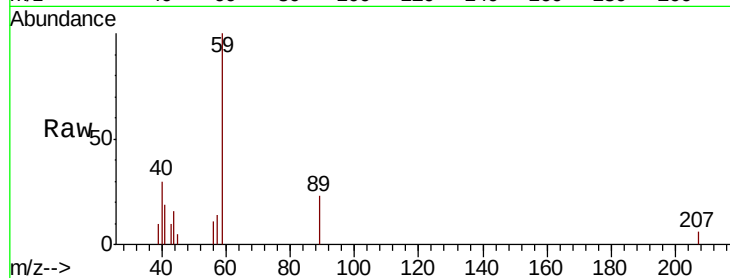
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 59 Resp: 4634

Ion Ratio Lower Upper

59 100

57 6.9 4.7 7.1



Abundance Ion 59.00 (58.70 to 59.70): VW

Ion 57.00 (56.70 to 57.70): VW

5.16

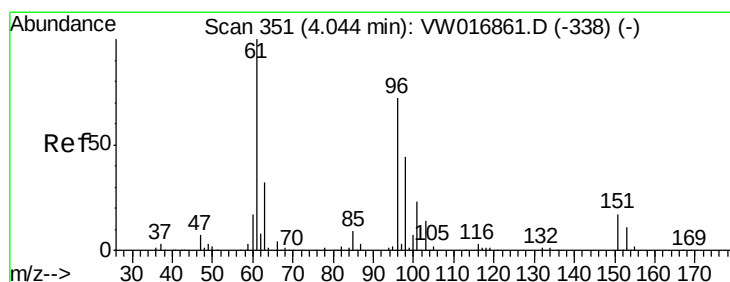
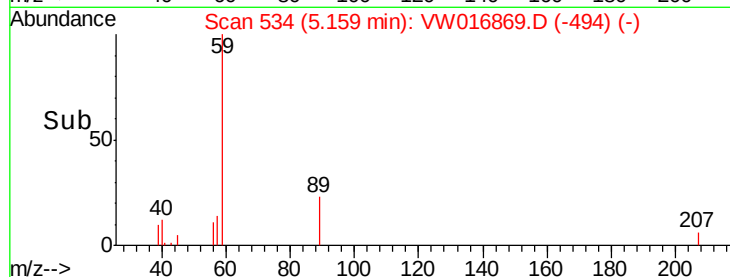
1500

1000

500

0

Time--> 5.00 5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 4.310 ug/l

RT: 4.05 min Scan# 352

Delta R.T. 0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

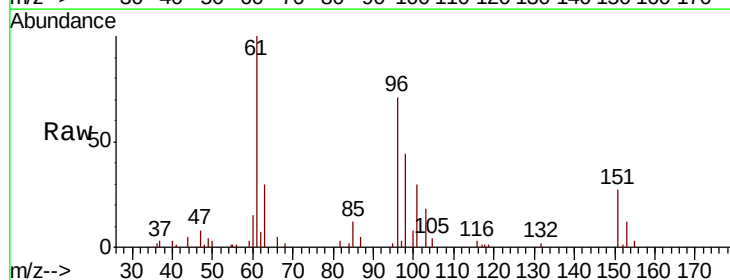
Tgt Ion: 96 Resp: 13780

Ion Ratio Lower Upper

96 100

61 141.4 111.7 167.5

98 61.5 49.0 73.4



Abundance Ion 95.90 (95.60 to 96.60): VW

Ion 60.90 (60.60 to 61.60): VW

Ion 97.90 (97.60 to 98.60): VW

8000

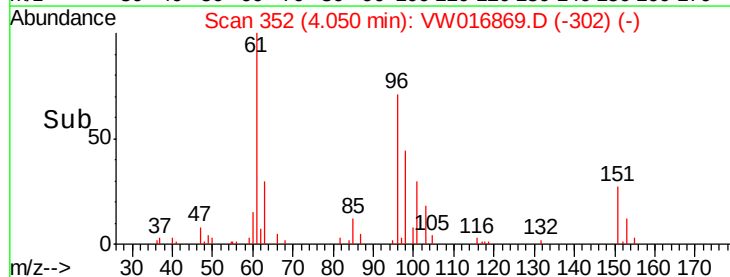
6000

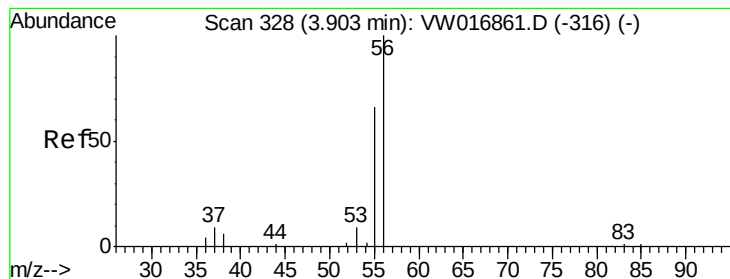
4000

2000

0

Time--> 4.00 4.10





#13

Acrolein

Concen: 24.418 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

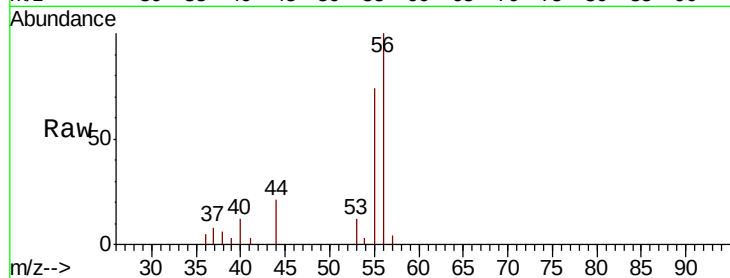
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 56 Resp: 5014

Ion Ratio Lower Upper

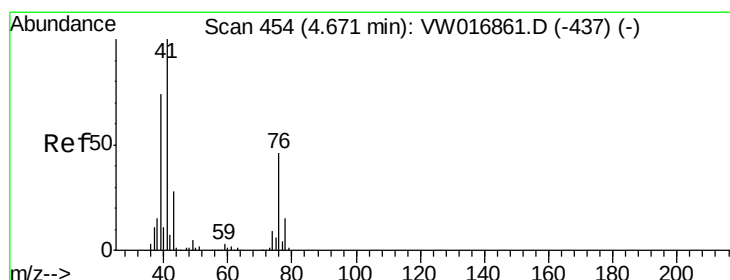
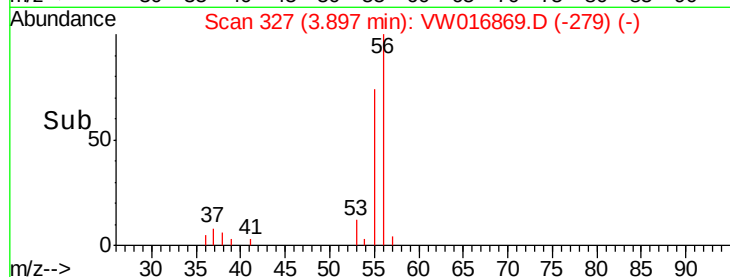
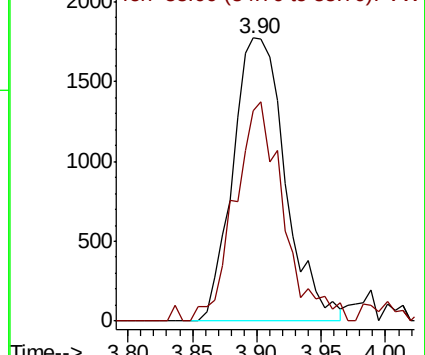
56 100

55 71.6 55.9 83.9



Abundance Ion 56.00 (55.70 to 56.70): VW

Ion 55.00 (54.70 to 55.70): VW



#14

Allyl chloride

Concen: 4.309 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

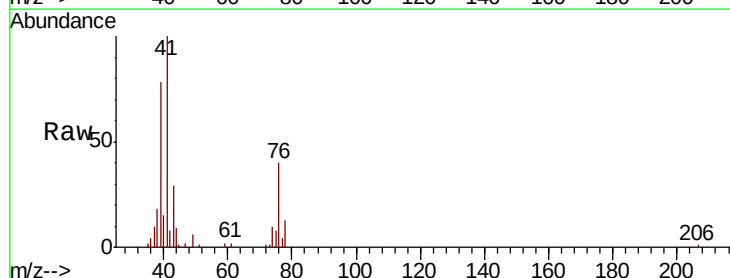
Tgt Ion: 41 Resp: 16493

Ion Ratio Lower Upper

41 100

39 74.5 57.8 86.8

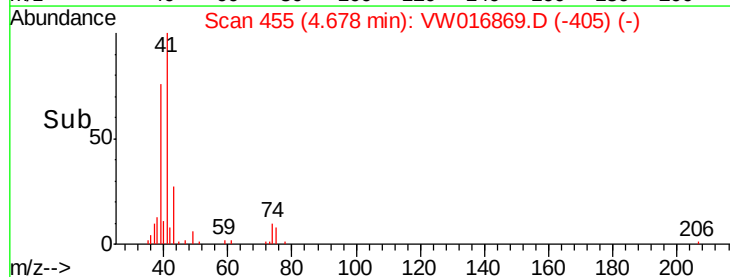
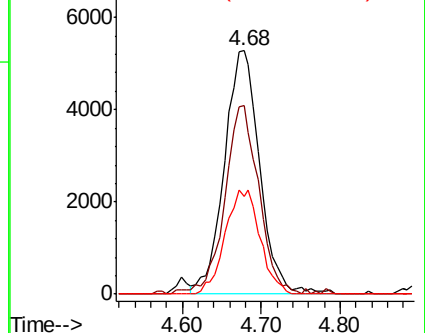
76 42.2 35.1 52.7

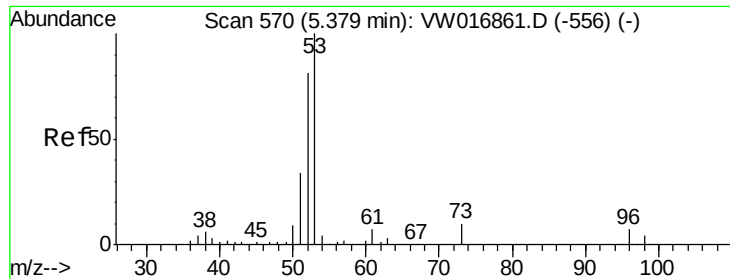


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

Ion 75.90 (75.60 to 76.60): VW





#15

Acrylonitrile

Concen: 21.751 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

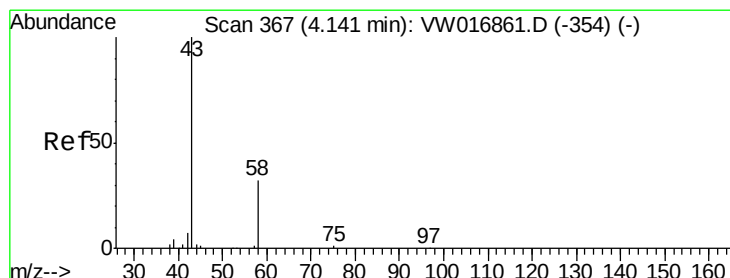
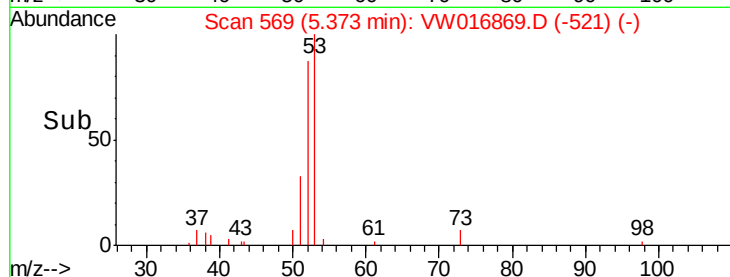
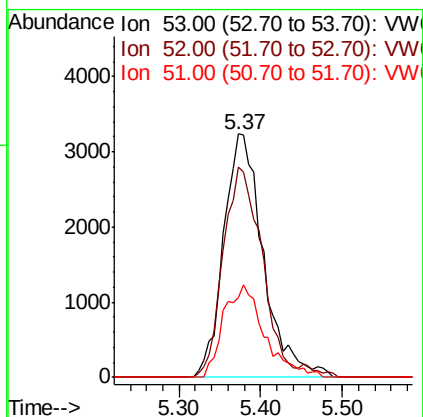
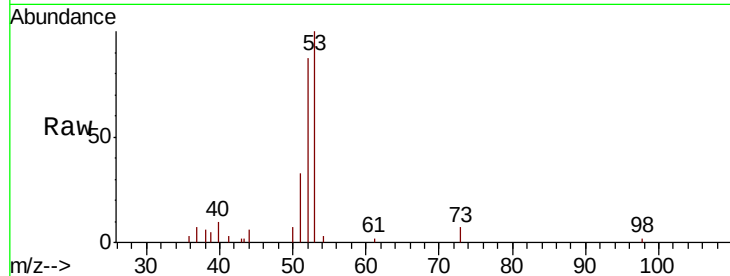
Tot Ion: 53 Resp: 10879

Ion Ratio Lower Upper

53 100

52 84.6 65.0 97.4

51 39.3 29.1 43.7



#16

Acetone

Concen: 24.905 ug/l

RT: 4.12 min Scan# 364

Delta R.T. -0.02 min

Lab File: VW016869.D

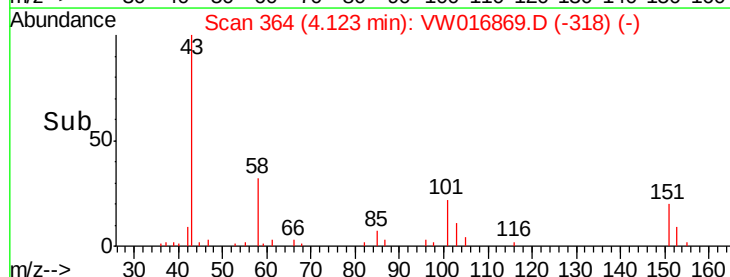
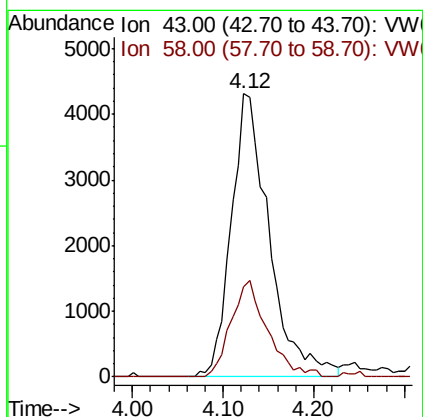
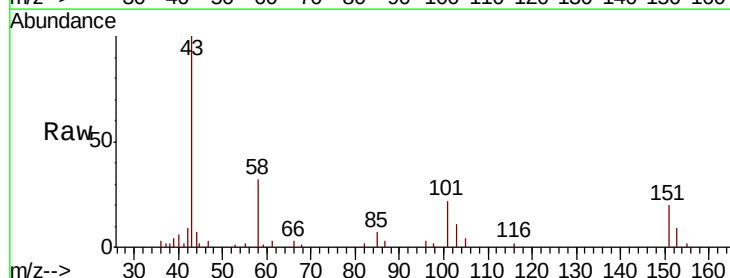
Acq: 09 Oct 2020 19:18

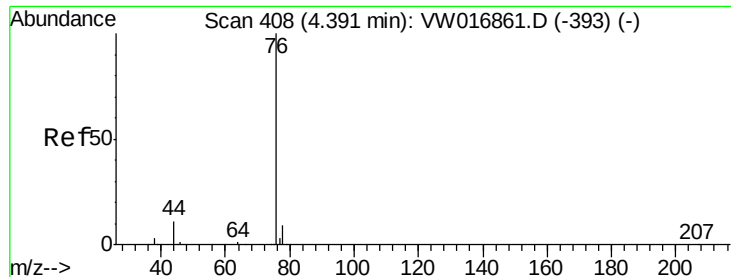
Tgt Ion: 43 Resp: 12536

Ion Ratio Lower Upper

43 100

58 31.6 25.7 38.5

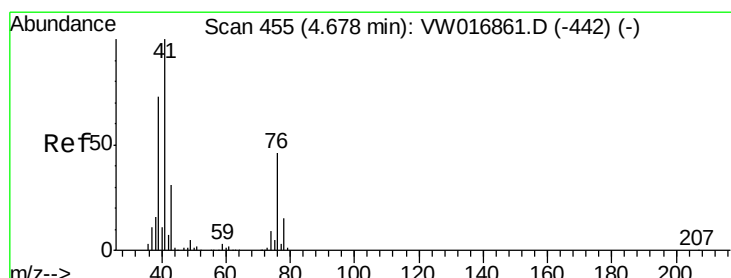
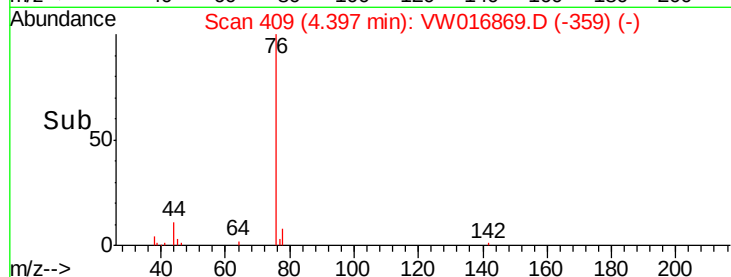
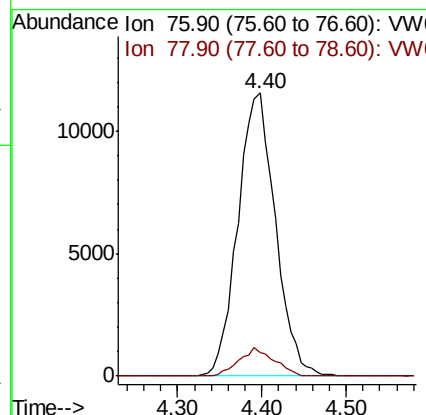
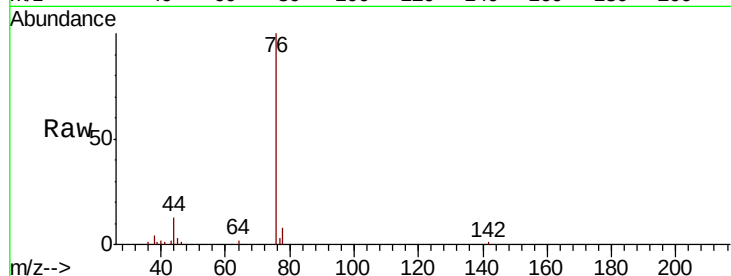




#17
Carbon Disulfide
Concen: 4.099 ug/l
RT: 4.40 min Scan# 409
Delta R.T. 0.01 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

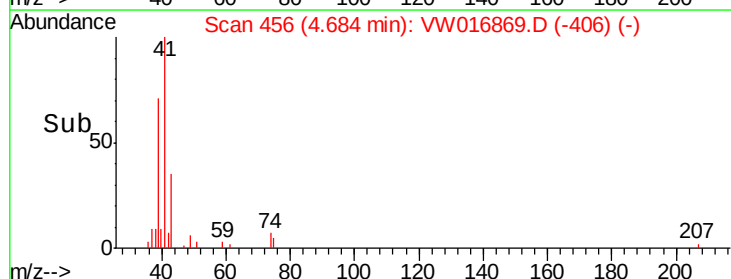
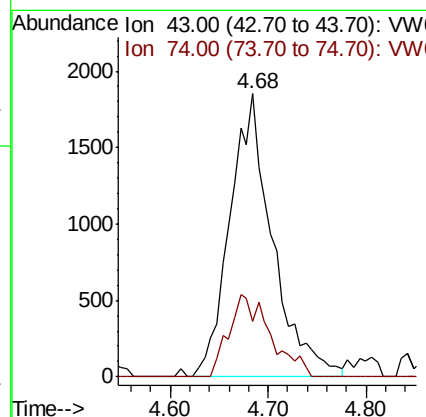
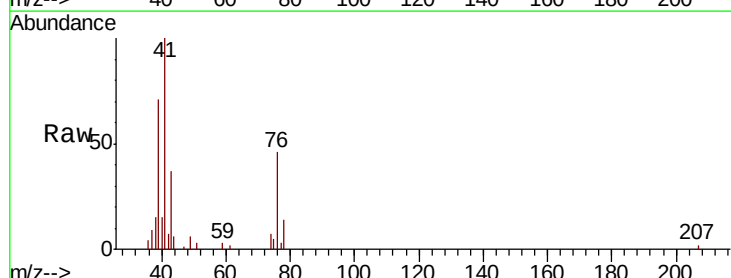
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

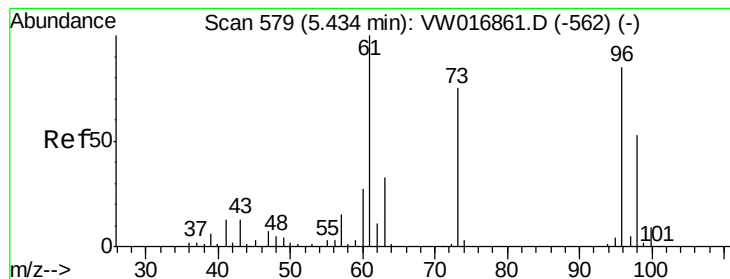
Tot Ion: 76 Resp: 34868
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.2



#18
Methyl Acetate
Concen: 4.831 ug/l
RT: 4.68 min Scan# 456
Delta R.T. 0.01 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion: 43 Resp: 5578
Ion Ratio Lower Upper
43 100
74 28.5 23.8 35.6



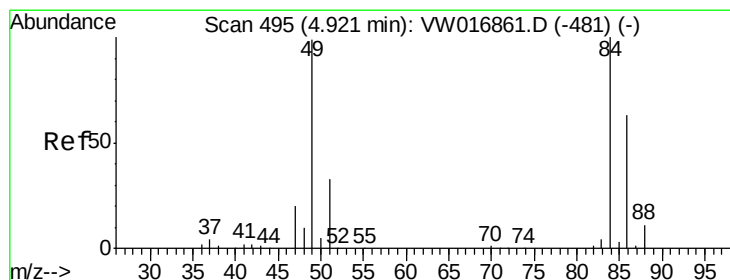
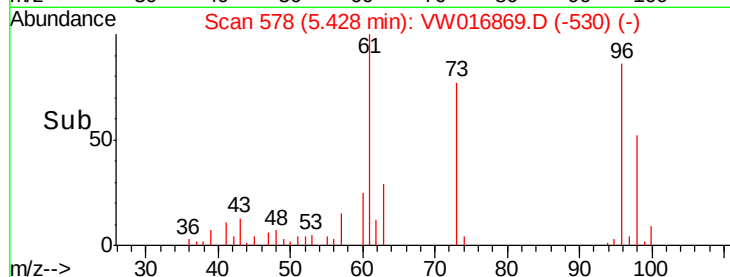
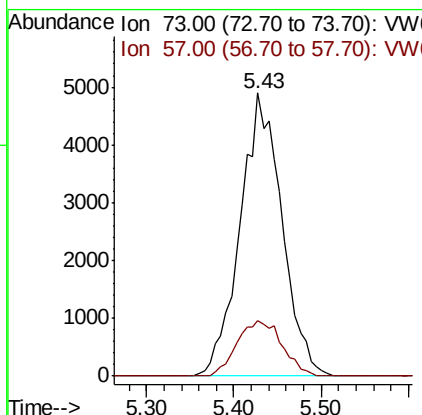
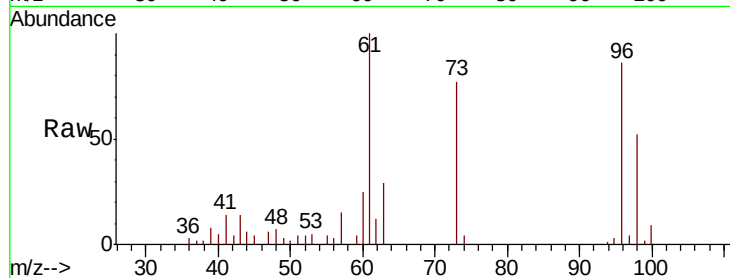


#19

Methyl tert-butyl Ether
 Concen: 4.726 ug/l
 RT: 5.43 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

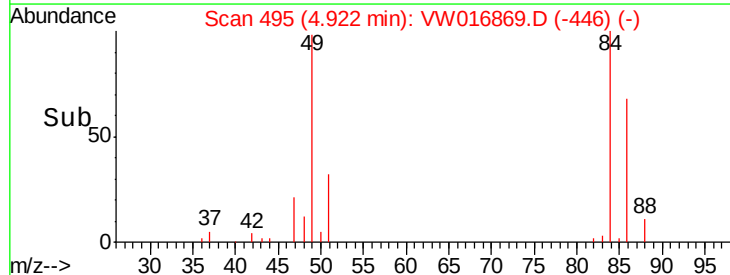
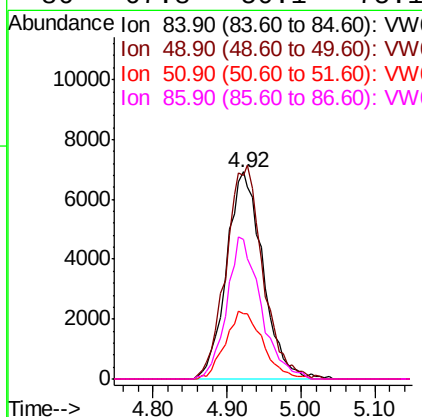
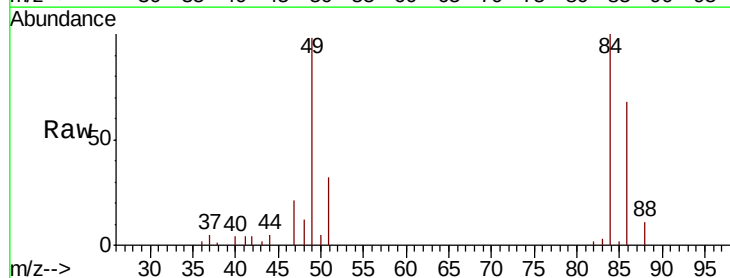
Tot Ion: 73 Resp: 16285
 Ion Ratio Lower Upper
 73 100
 57 19.8 16.1 24.1

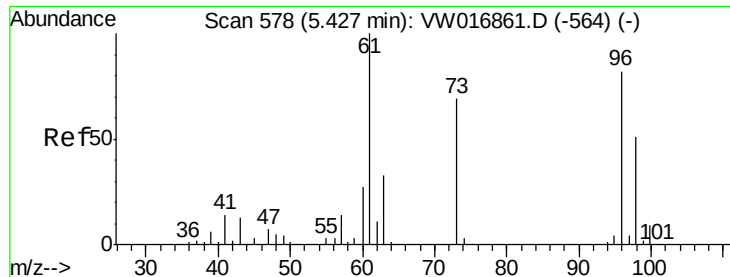


#20

Methylene Chloride
 Concen: 5.927 ug/l
 RT: 4.92 min Scan# 495
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion: 84 Resp: 23643
 Ion Ratio Lower Upper
 84 100
 49 98.3 79.0 118.6
 51 31.5 26.1 39.1
 86 67.8 50.1 75.1





#21

trans-1,2-Dichloroethene

Concen: 4.317 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

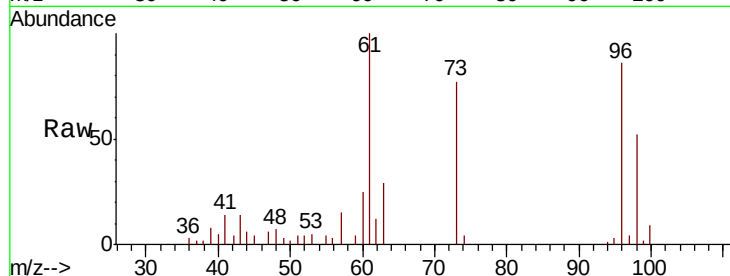
Tot Ion: 96 Resp: 15495

Ion Ratio Lower Upper

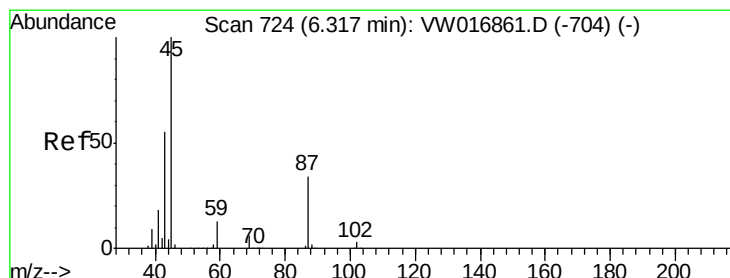
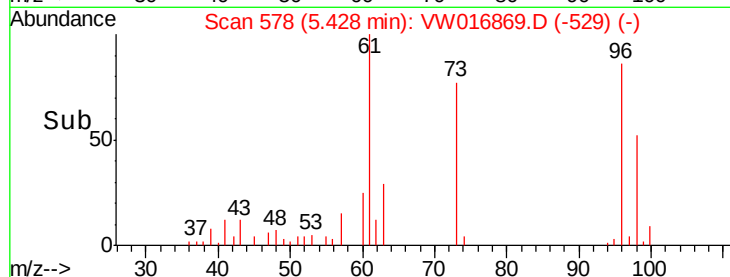
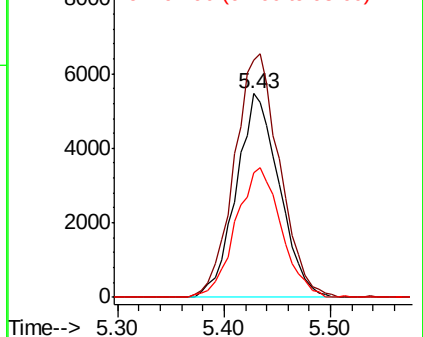
96 100

61 116.4 97.4 146.0

98 61.0 49.4 74.0



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



#22

Diisopropyl ether

Concen: 4.472 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion: 45 Resp: 31109

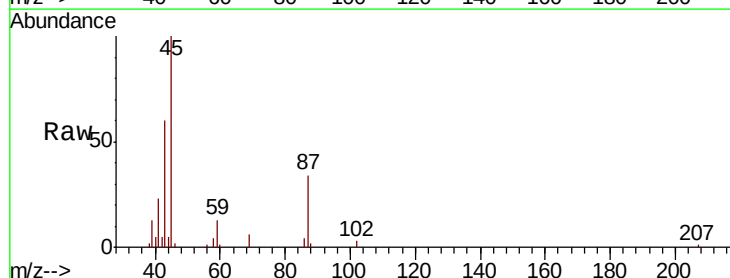
Ion Ratio Lower Upper

45 100

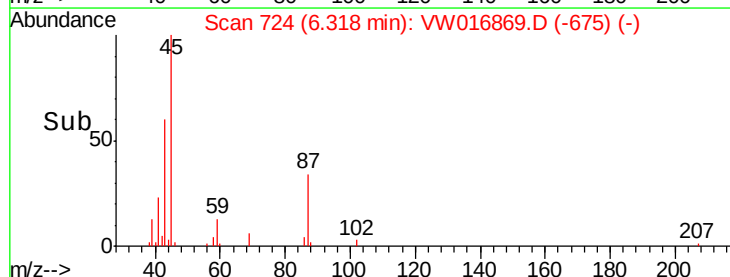
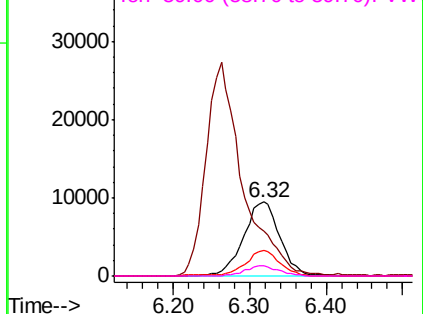
43 57.1 43.8 65.8

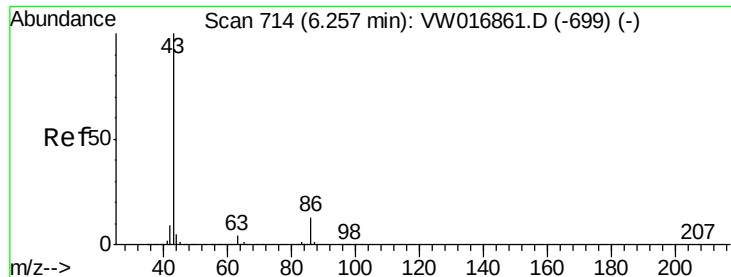
87 34.0 27.6 41.4

59 13.1 10.8 16.2



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





#23

Vinyl Acetate

Concen: 20.497 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

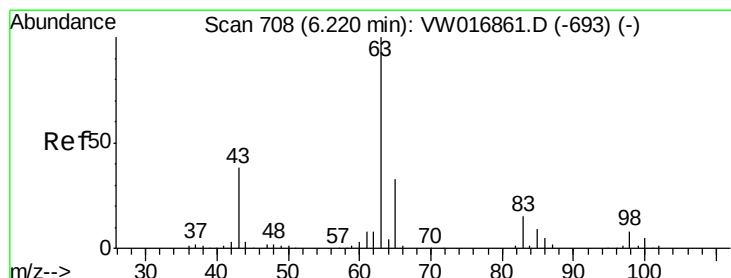
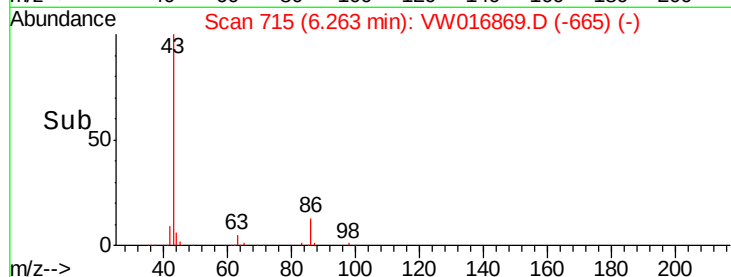
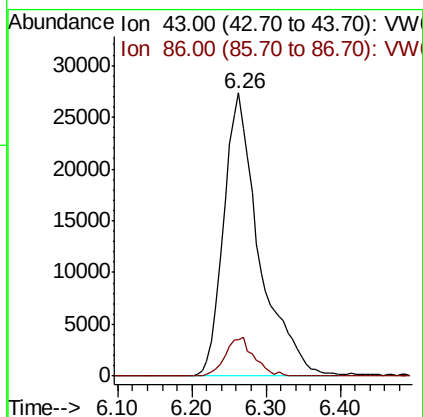
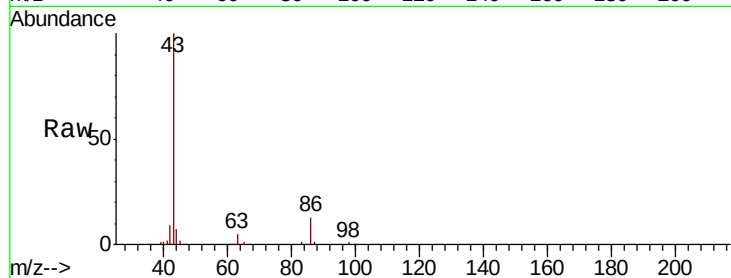
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 91361

Ion Ratio Lower Upper

43 100

86 12.7 10.2 15.4



#24

1,1-Dichloroethane

Concen: 4.358 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

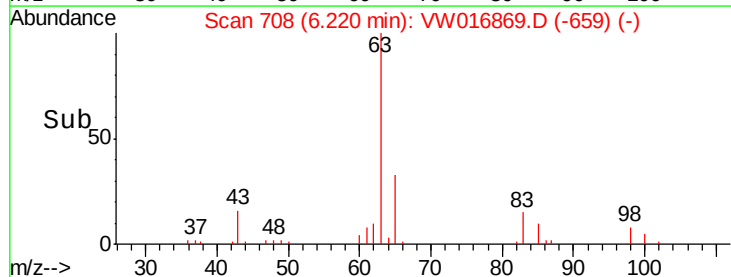
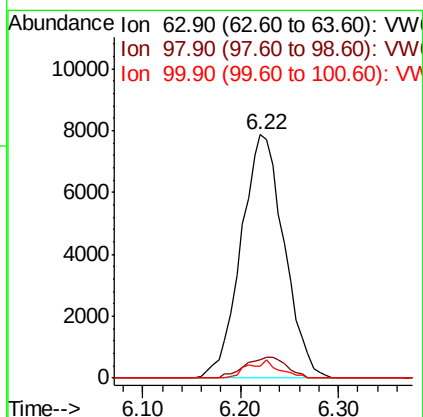
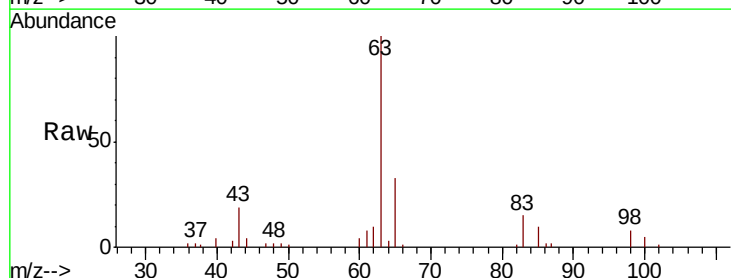
Tgt Ion: 63 Resp: 24038

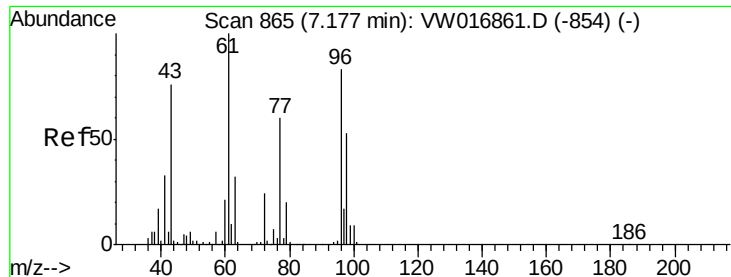
Ion Ratio Lower Upper

63 100

98 7.8 4.2 12.6

100 4.7 2.6 7.8





#25

2-Butanone

Concen: 22.301 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

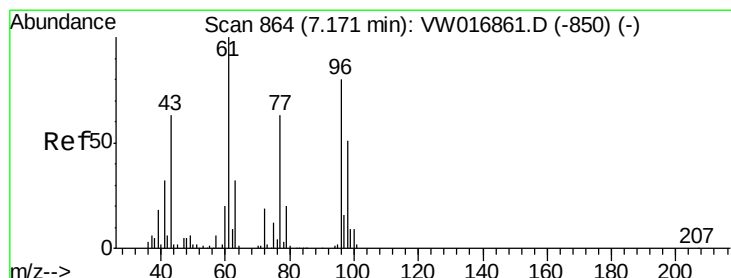
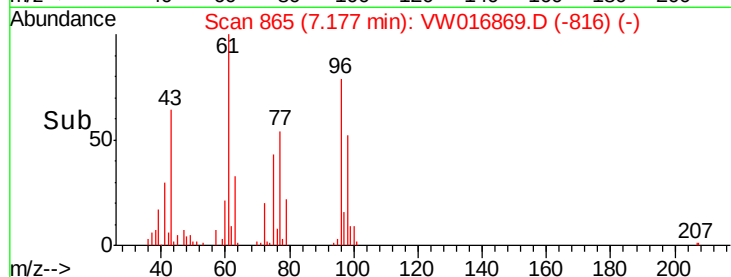
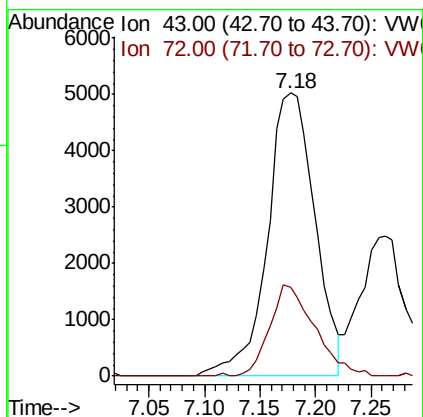
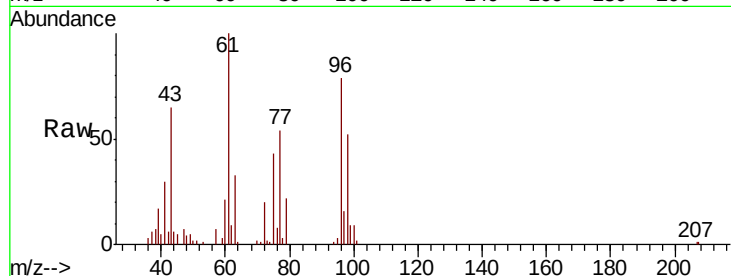
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 14965

Ion Ratio Lower Upper

43 100

72 31.6 25.4 38.2



#26

2,2-Dichloropropane

Concen: 4.533 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW016869.D

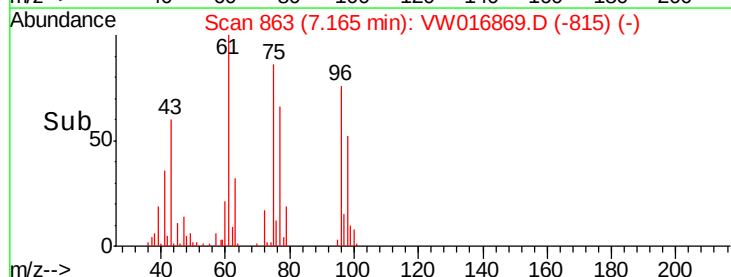
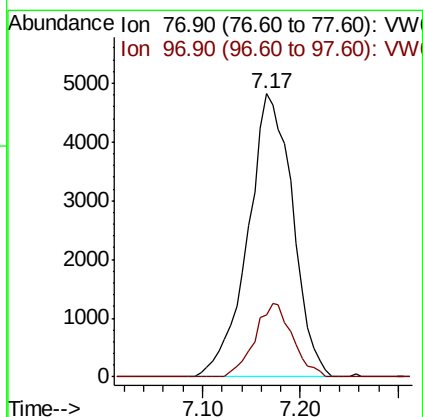
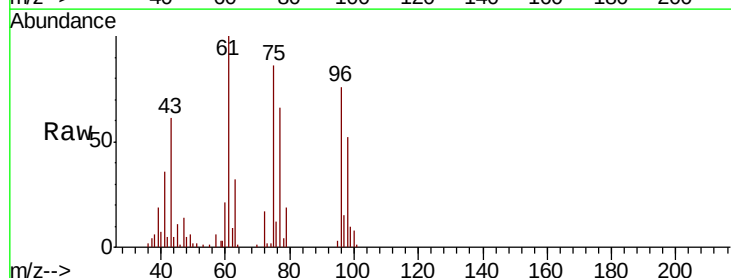
Acq: 09 Oct 2020 19:18

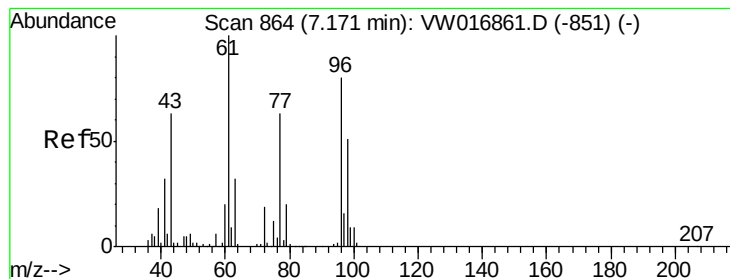
Tgt Ion: 77 Resp: 15297

Ion Ratio Lower Upper

77 100

97 21.8 12.4 37.4





#27

cis-1,2-Dichloroethene

Concen: 4.404 ug/l

RT: 7.17 min Scan# 864

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

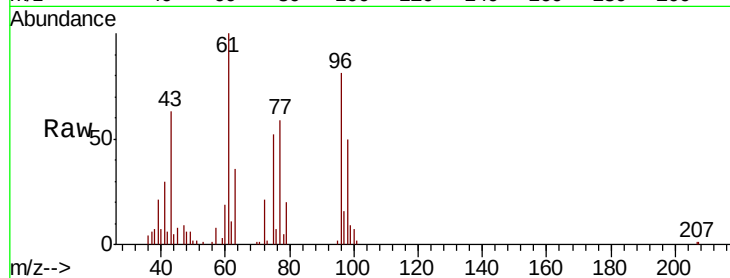
Tot Ion: 96 Resp: 16931

Ion Ratio Lower Upper

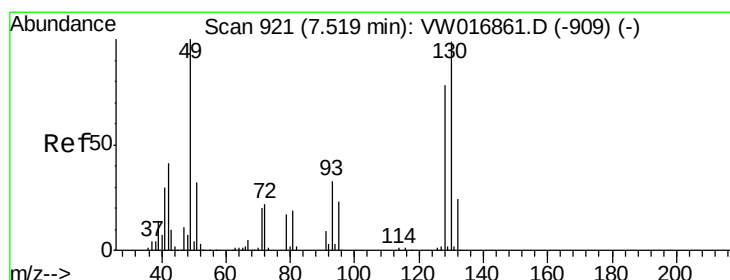
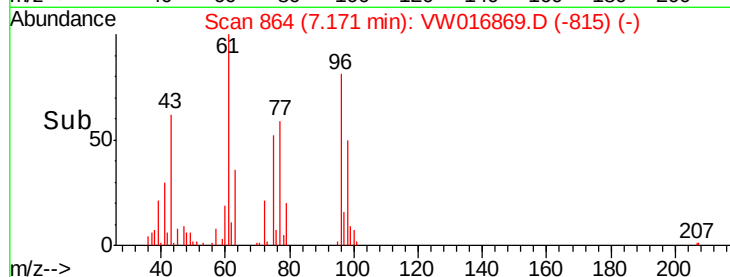
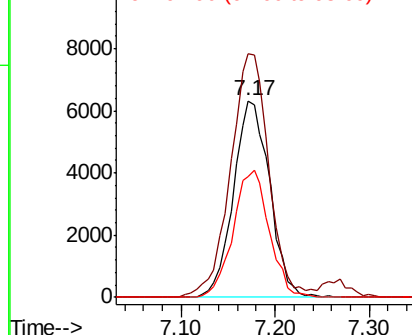
96 100

61 130.6 0.0 249.6

98 64.3 0.0 129.4



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



#28

Bromochloromethane

Concen: 4.537 ug/l

RT: 7.51 min Scan# 920

Delta R.T. -0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

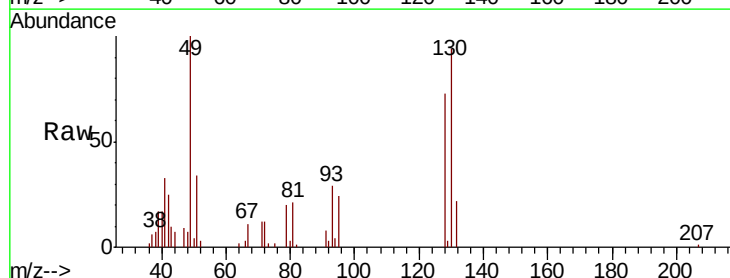
Tgt Ion: 49 Resp: 10016

Ion Ratio Lower Upper

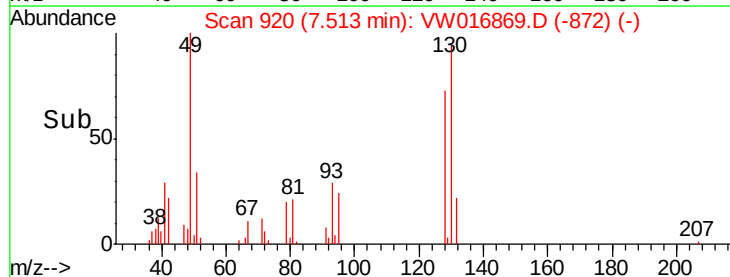
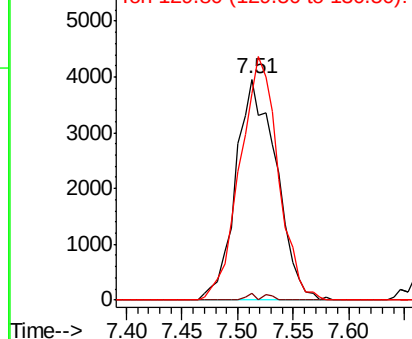
49 100

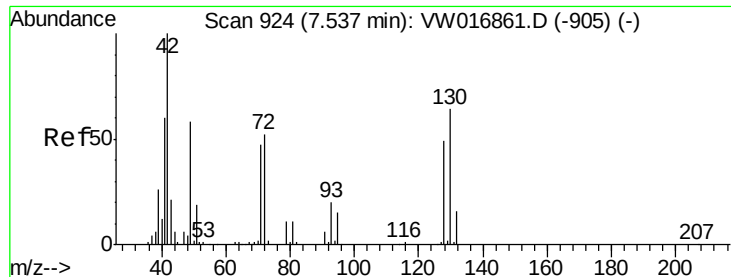
129 0.6 0.0 4.8

130 104.3 81.3 121.9



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

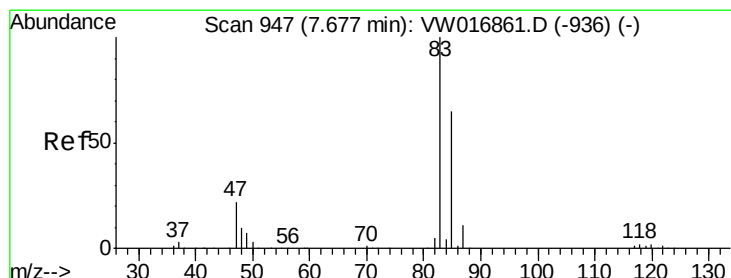
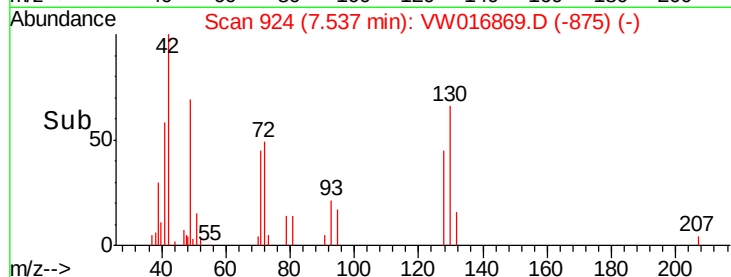
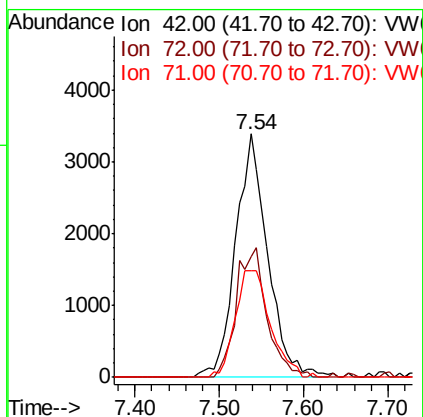
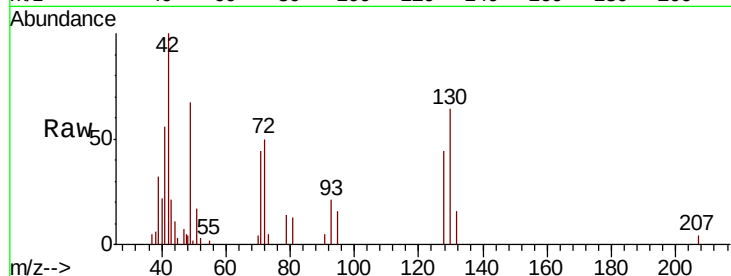




#29
Tetrahydrofuran
Concen: 23.188 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

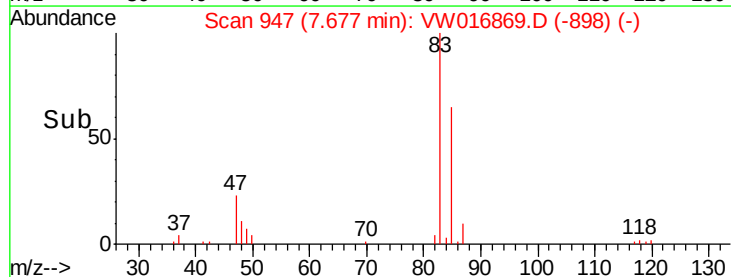
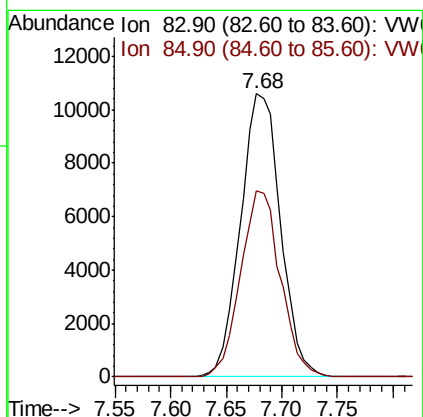
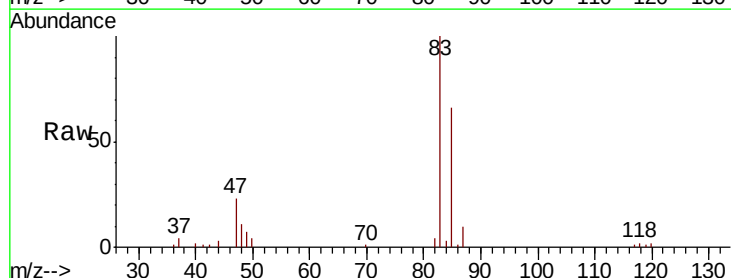
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

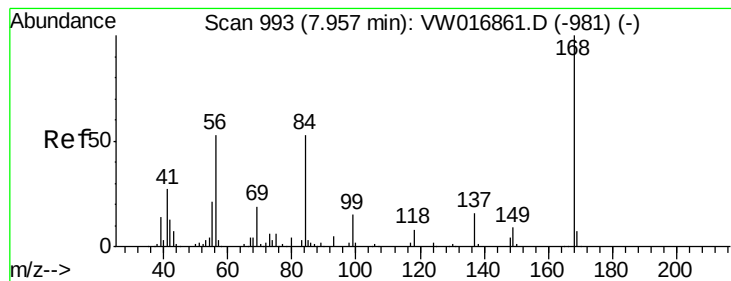
Tot Ion: 42 Resp: 8716
Ion Ratio Lower Upper
42 100
72 50.5 42.0 63.0
71 47.8 39.0 58.6



#30
Chloroform
Concen: 4.421 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion: 83 Resp: 26512
Ion Ratio Lower Upper
83 100
85 65.9 51.7 77.5





#31

Cyclohexane

Concen: 5.187 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

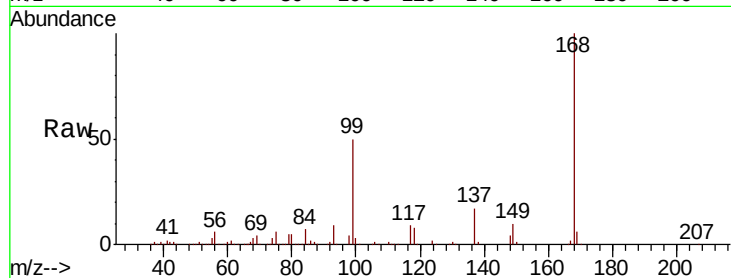
Tot Ion: 56 Resp: 24404

Ion Ratio Lower Upper

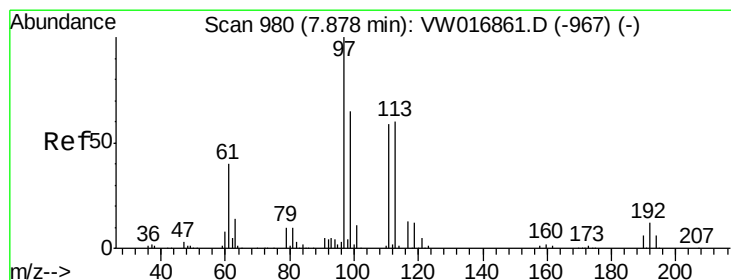
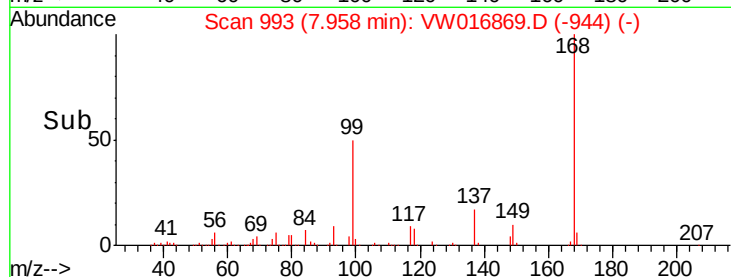
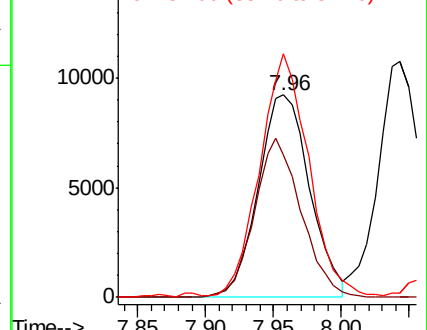
56 100

69 70.2 29.3 43.9#

84 118.6 80.5 120.7



Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW



#32

1,1,1-Trichloroethane

Concen: 4.306 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

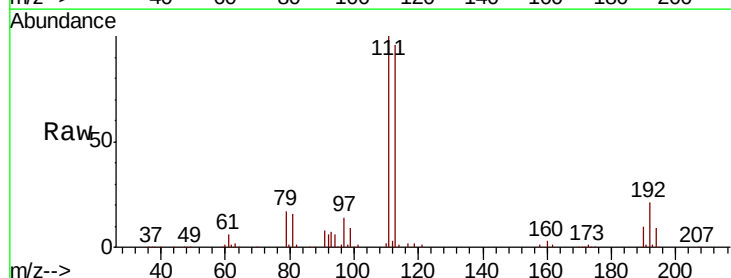
Tgt Ion: 97 Resp: 21782

Ion Ratio Lower Upper

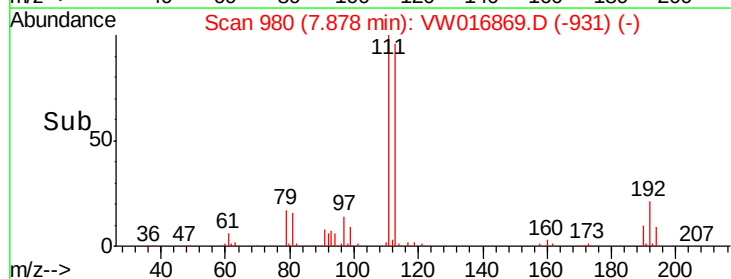
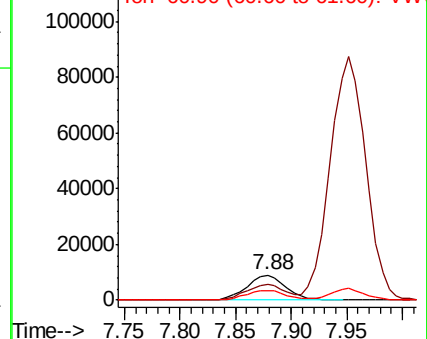
97 100

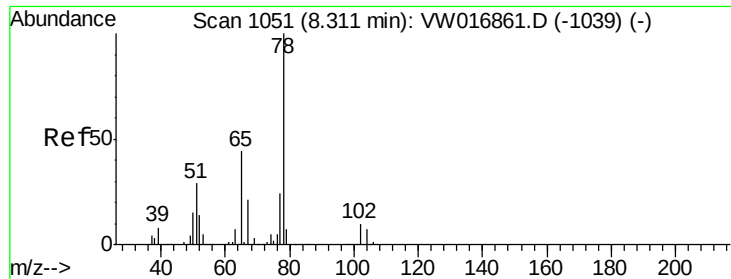
99 62.6 52.4 78.6

61 40.8 31.9 47.9



Abundance Ion 96.90 (96.60 to 97.60): VW
Ion 98.90 (98.60 to 99.60): VW
Ion 60.90 (60.60 to 61.60): VW

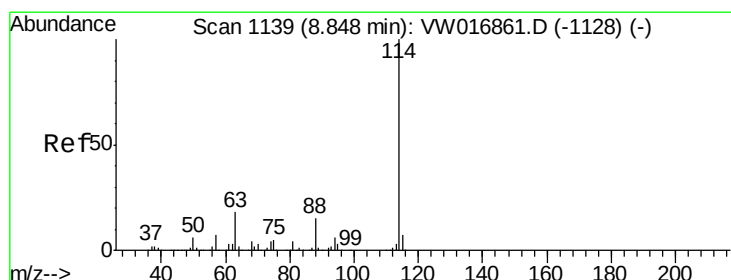
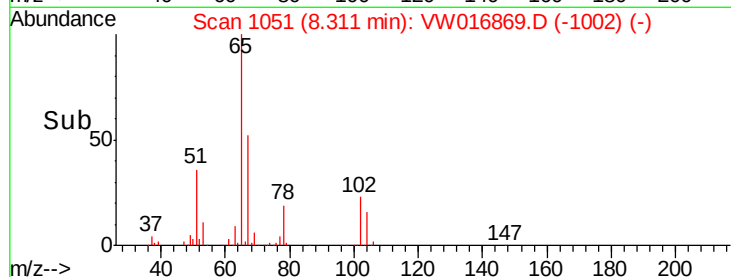
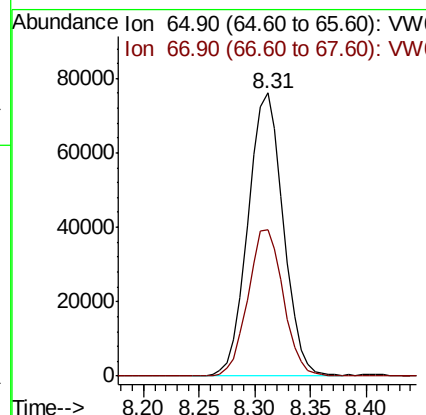
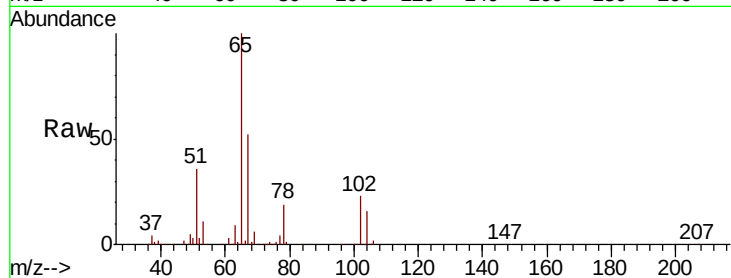




#33
 1,2-Dichloroethane-d4
 Concen: 54.083 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

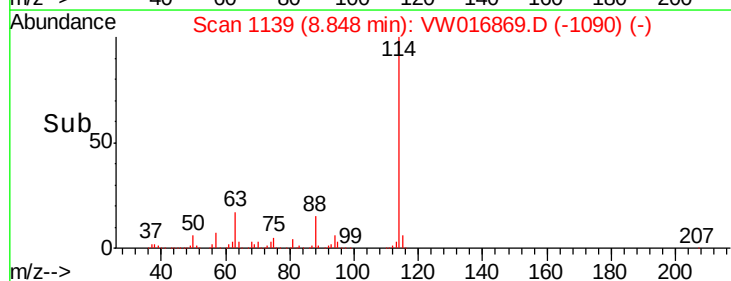
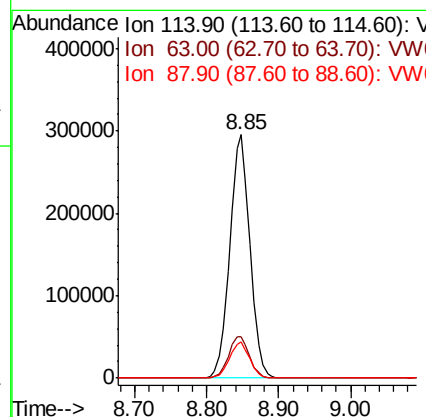
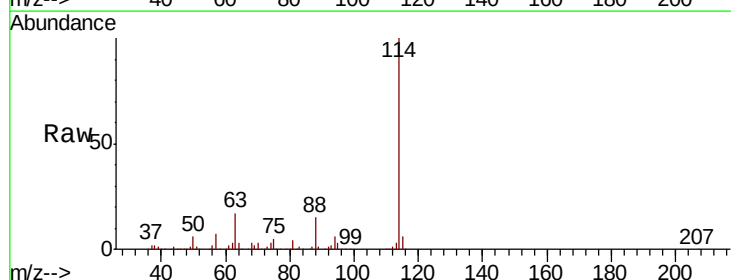
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

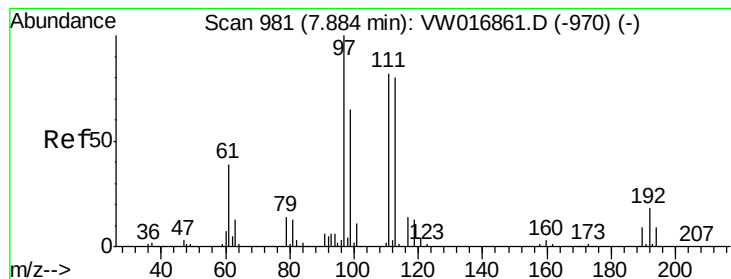
Tot Ion: 65 Resp: 168085
 Ion Ratio Lower Upper
 65 100
 67 51.9 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion: 114 Resp: 573828
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 35.6
 88 14.8 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.258 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

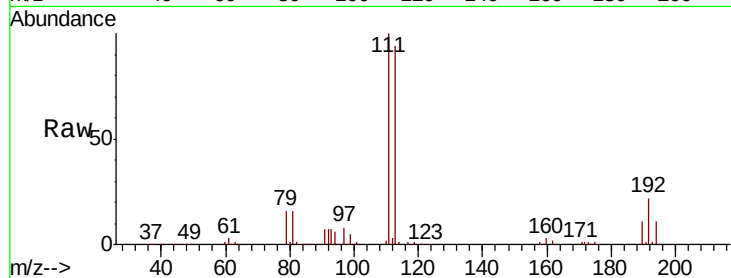
Tot Ion:113 Resp: 176763

Ion Ratio Lower Upper

113 100

111 104.0 81.4 122.2

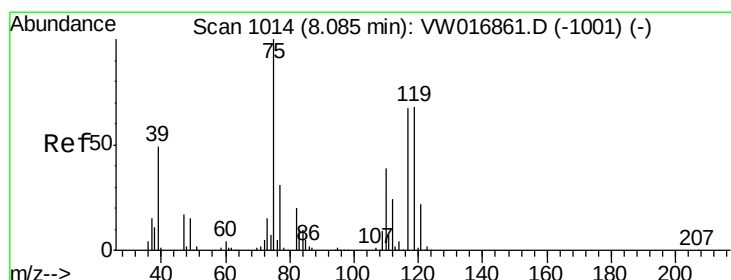
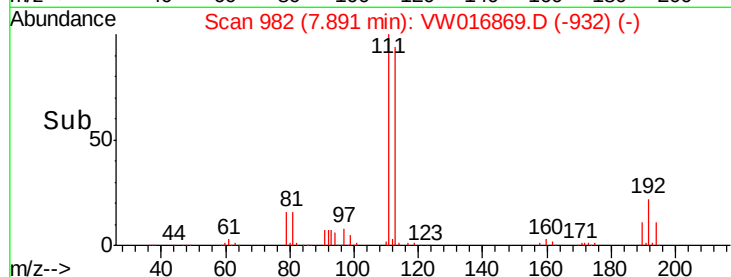
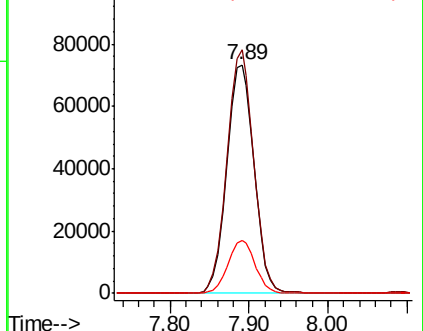
192 23.0 17.8 26.8



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 4.217 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

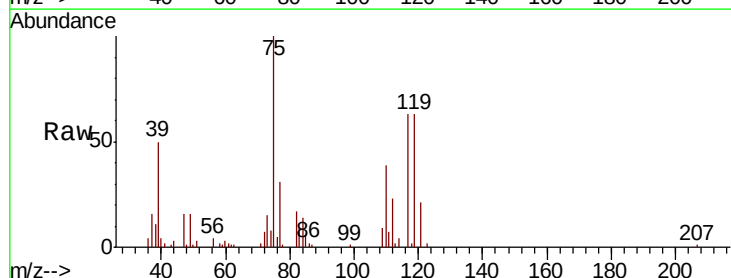
Tgt Ion: 75 Resp: 20919

Ion Ratio Lower Upper

75 100

110 37.9 19.3 57.9

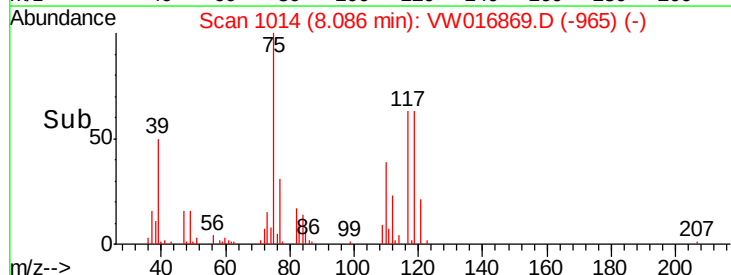
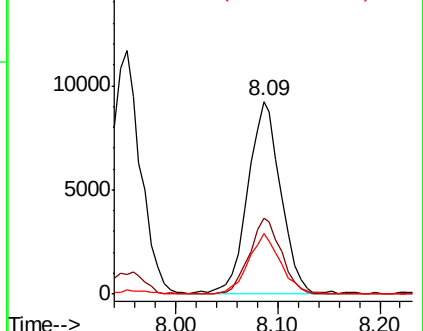
77 30.3 25.0 37.6

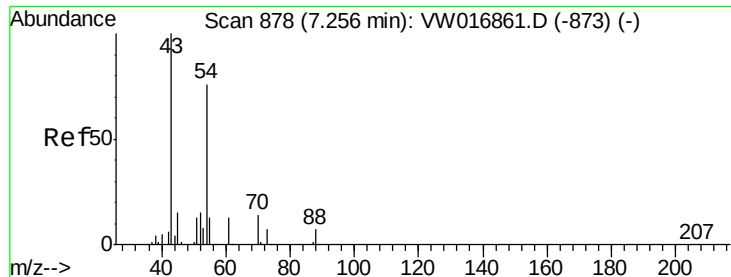


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

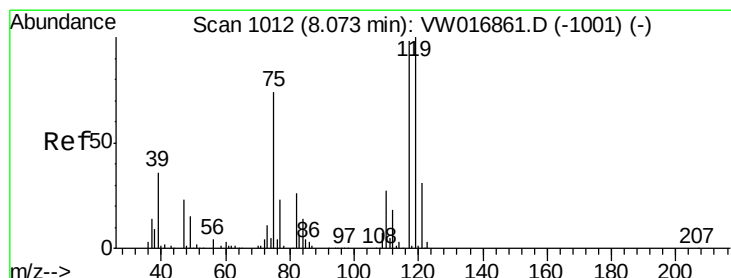
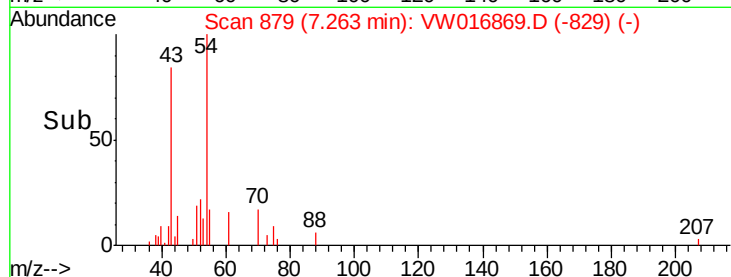
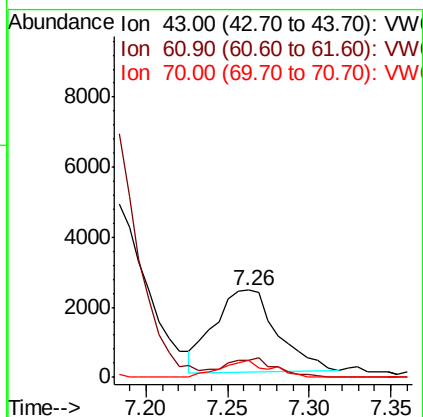
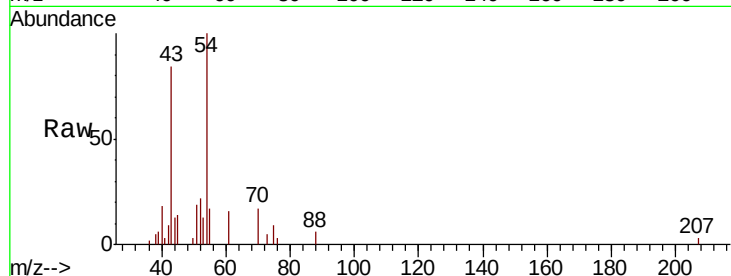




#37
Ethyl Acetate
Concen: 3.881 ug/l
RT: 7.26 min Scan# 879
Delta R.T. 0.01 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

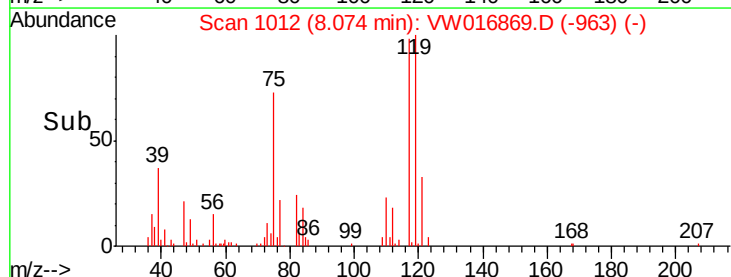
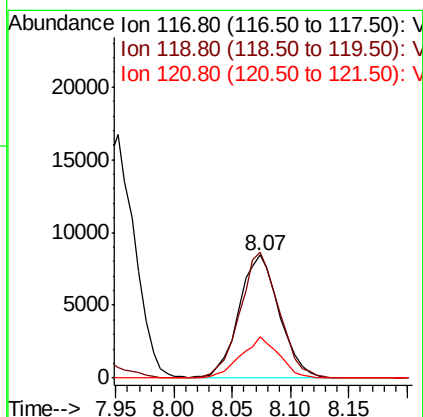
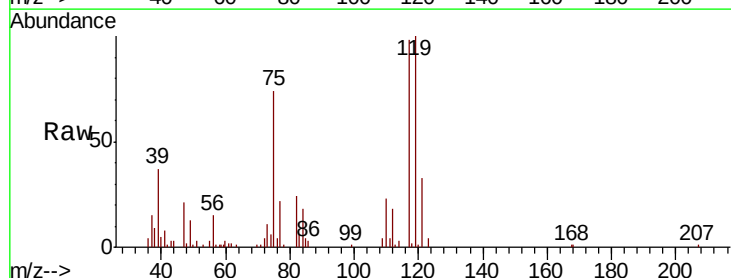
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

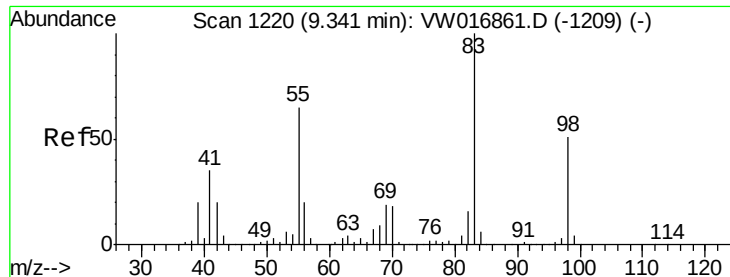
Tot Ion: 43 Resp: 6290
Ion Ratio Lower Upper
43 100
61 17.2 12.0 18.0
70 16.1 9.9 14.9#



#38
Carbon Tetrachloride
Concen: 3.976 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion: 117 Resp: 20509
Ion Ratio Lower Upper
117 100
119 102.0 81.6 122.4
121 33.3 25.7 38.5

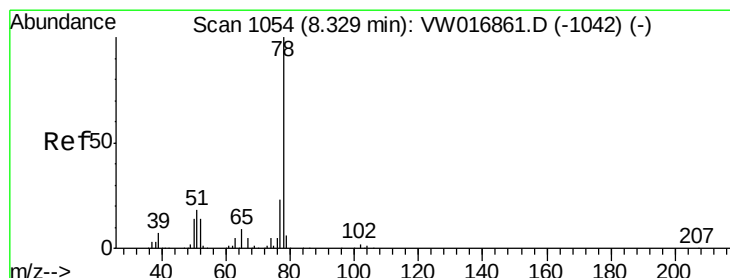
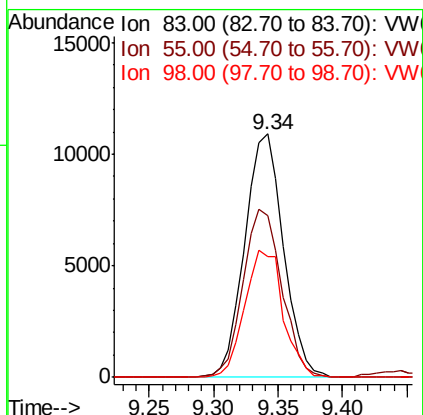
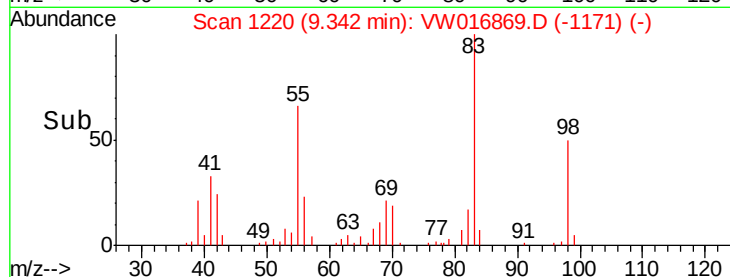
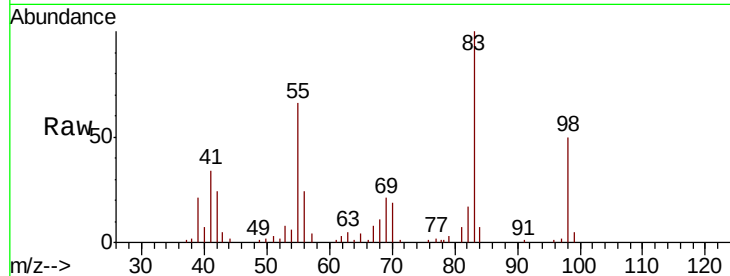




#39
Methylvlcyclohexane
Concen: 4.007 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

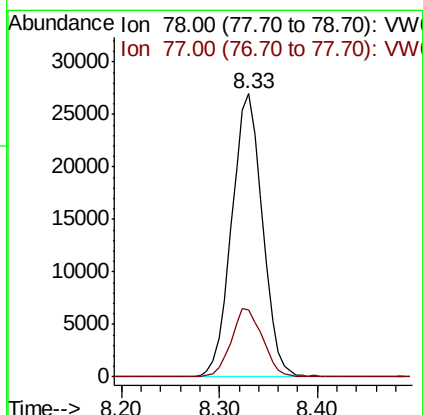
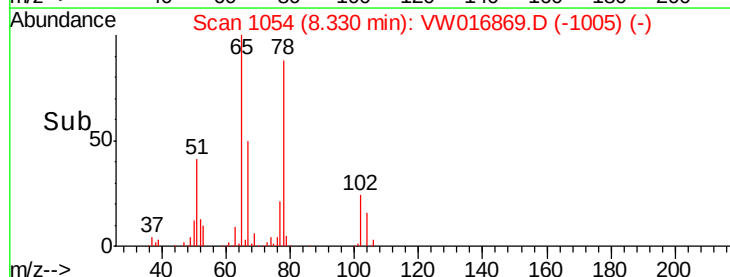
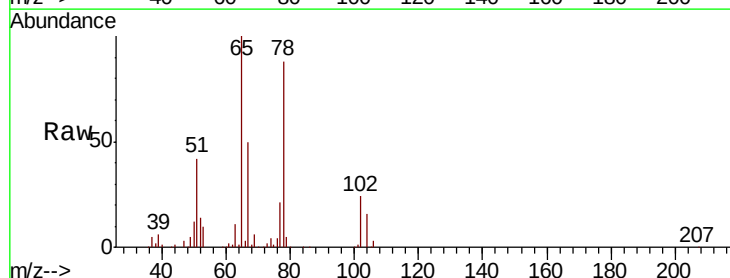
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

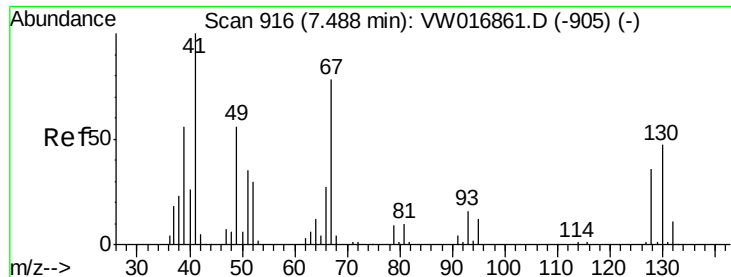
Tot Ion: 83 Resp: 22668
Ion Ratio Lower Upper
83 100
55 66.2 51.7 77.5
98 49.5 41.0 61.4



#40
Benzene
Concen: 4.257 ug/l
RT: 8.33 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion: 78 Resp: 58839
Ion Ratio Lower Upper
78 100
77 23.9 18.5 27.7

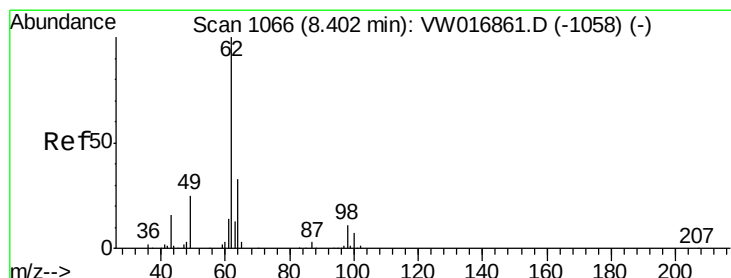
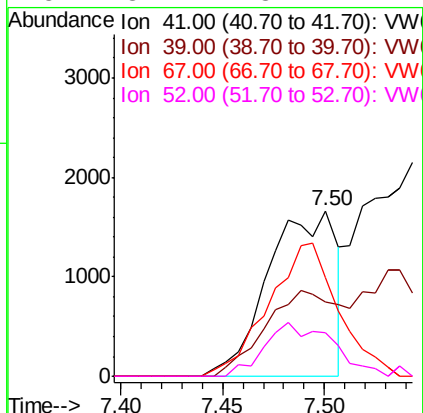
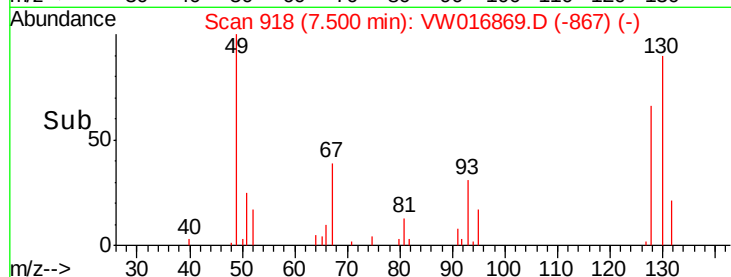
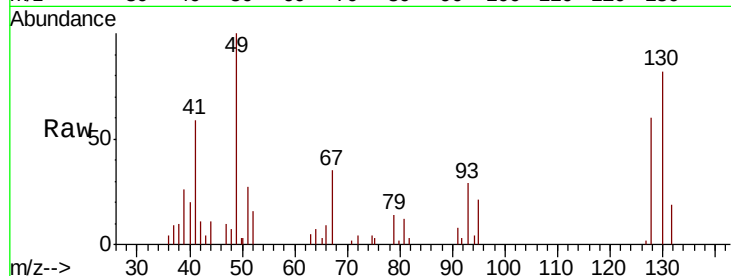




#41
Methacrylonitrile
Concen: 4.045 ug/l
RT: 7.50 min Scan# 918
Delta R.T. 0.01 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

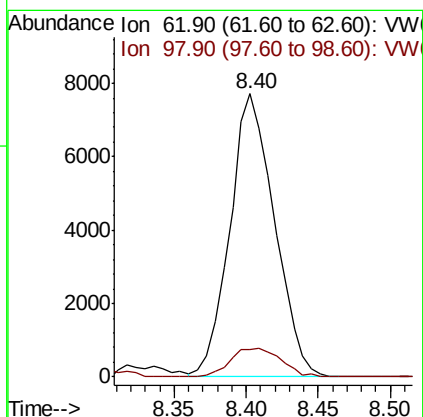
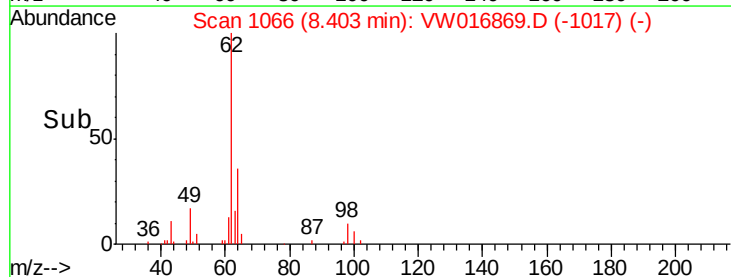
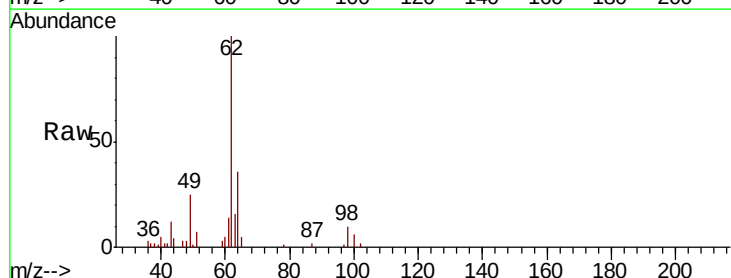
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

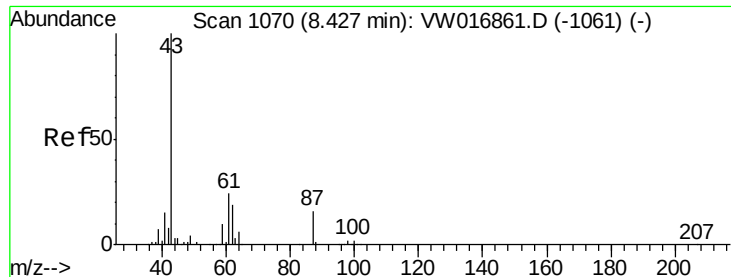
Tot Ion:	41	Resp:	3885
Ion	Ratio	Lower	Upper
41	100		
39	59.3	47.0	70.6
67	81.7	68.6	102.8
52	32.1	28.1	42.1



#42
1,2-Dichloroethane
Concen: 4.397 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion:	62	Resp:	16623
Ion	Ratio	Lower	Upper
62	100		
98	11.5	0.0	21.0





#43

Isopropyl Acetate

Concen: 4.200 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

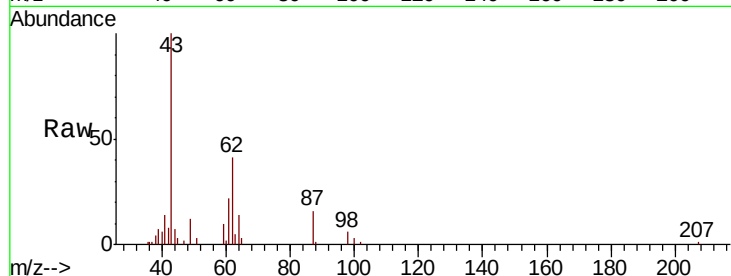
Tot Ion: 43 Resp: 13041

Ion Ratio Lower Upper

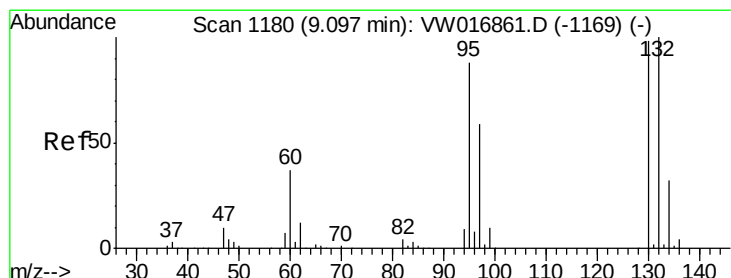
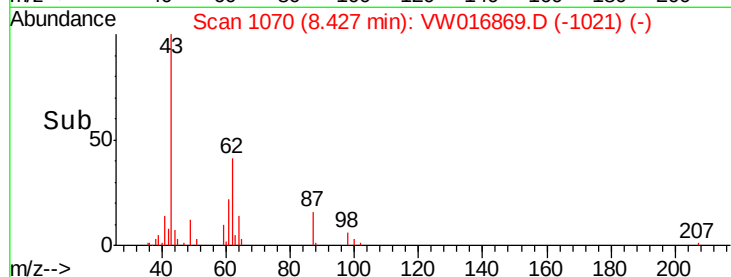
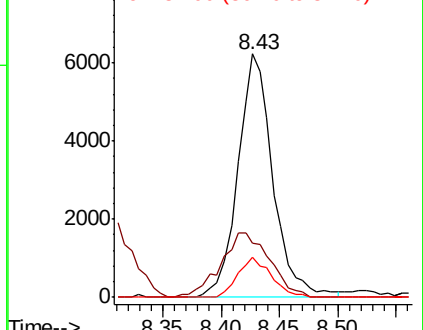
43 100

61 36.8 27.5 41.3

87 15.5 13.6 20.4



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 61.00 (60.70 to 61.70): VW
Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 4.217 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.00 min

Lab File: VW016869.D

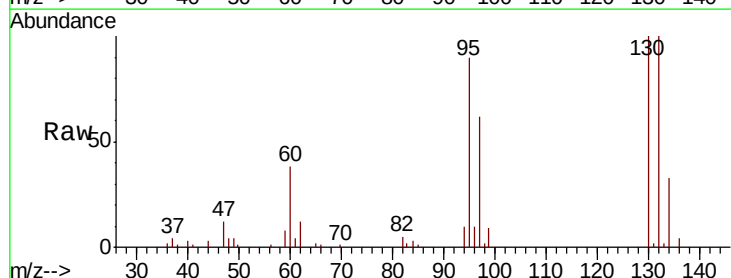
Acq: 09 Oct 2020 19:18

Tgt Ion: 130 Resp: 18041

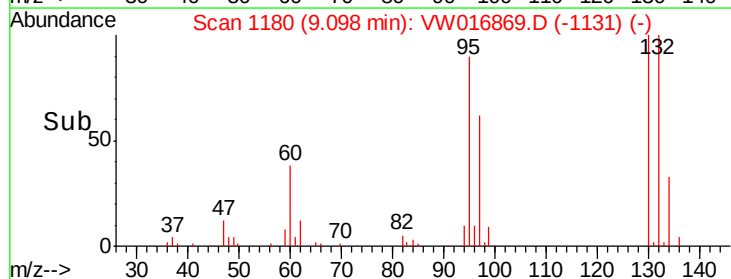
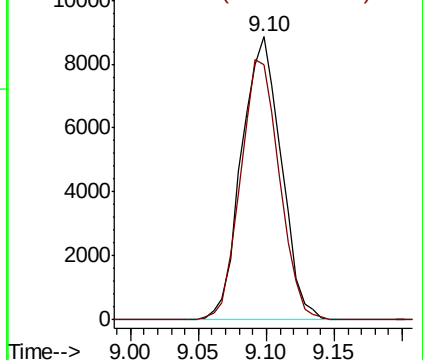
Ion Ratio Lower Upper

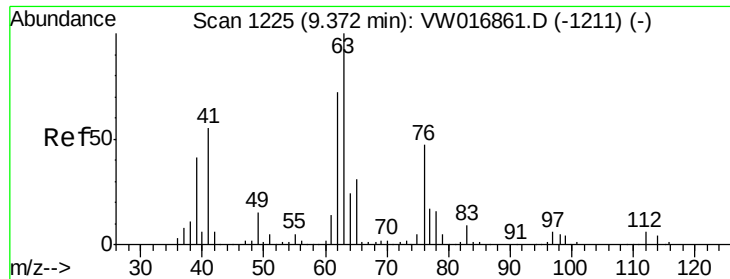
130 100

95 90.0 0.0 180.2



Abundance Ion 129.80 (129.50 to 130.50): V
Ion 94.90 (94.60 to 95.60): VW

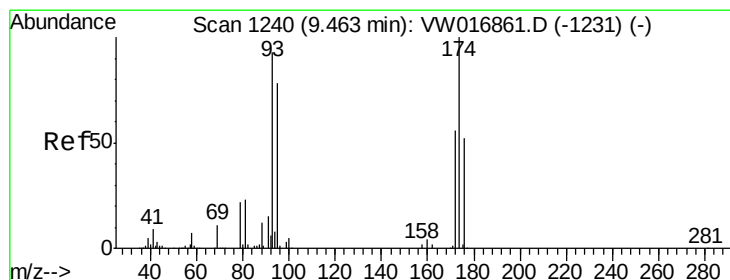
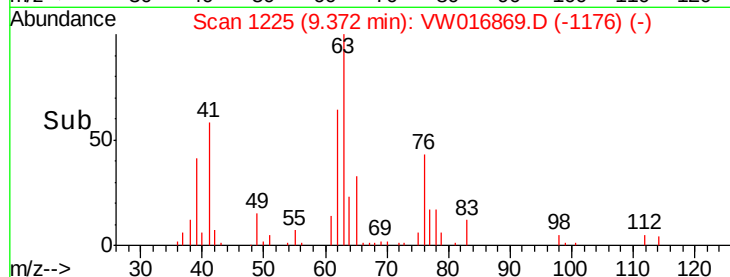
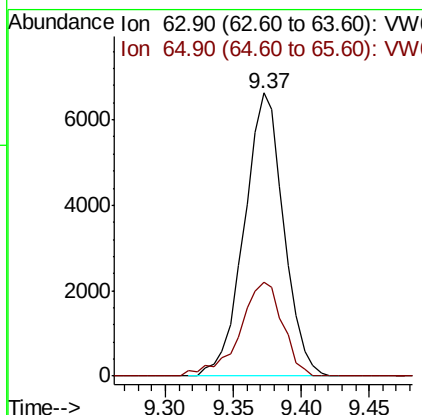
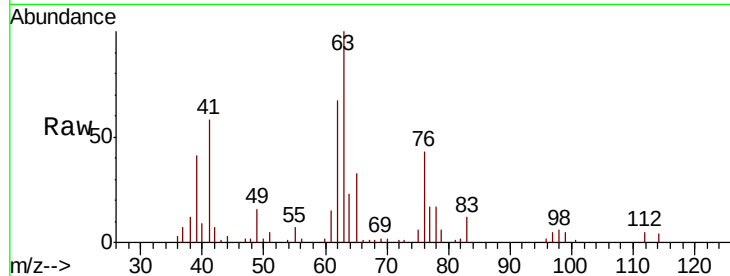




#45
 1,2-Dichloropropane
 Concen: 4.267 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

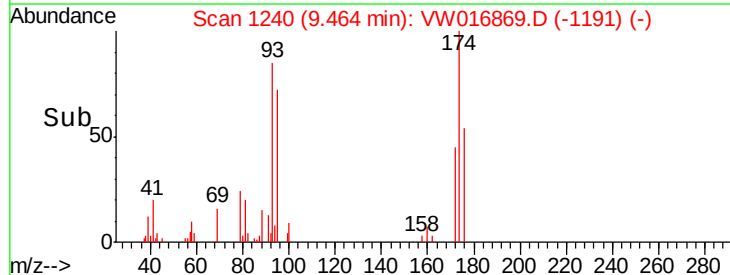
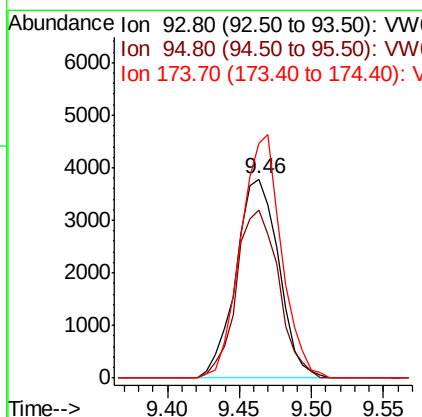
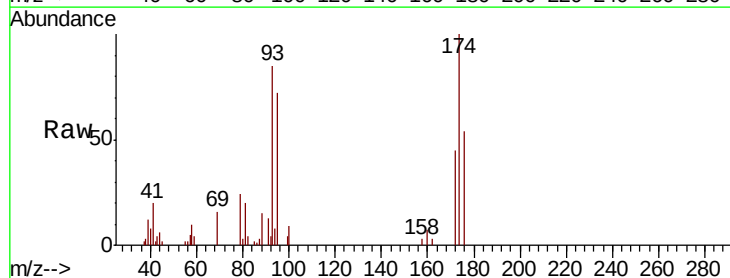
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

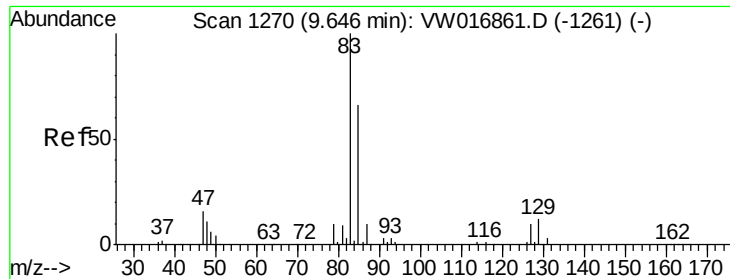
Tot Ion: 63 Resp: 13450
 Ion Ratio Lower Upper
 63 100
 65 33.3 25.1 37.7



#46
 Dibromomethane
 Concen: 4.325 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion: 93 Resp: 7798
 Ion Ratio Lower Upper
 93 100
 95 83.5 66.5 99.7
 174 115.8 91.0 136.6





#47

Bromodichloromethane

Concen: 4.197 ug/l

RT: 9.65 min Scan# 1271

Delta R.T. 0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

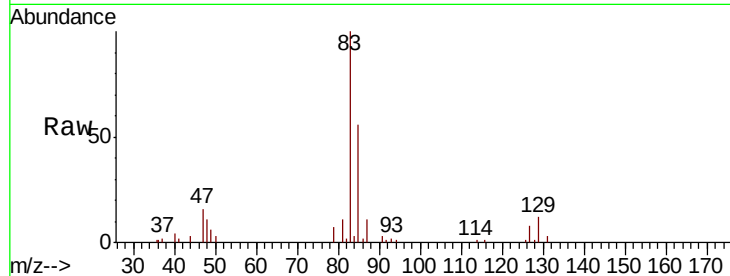
Tot Ion: 83 Resp: 18816

Ion Ratio Lower Upper

83 100

85 55.8 52.7 79.1

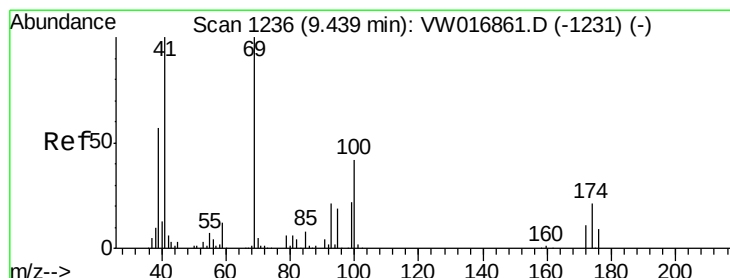
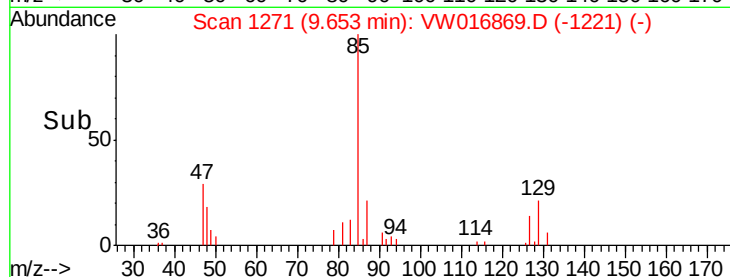
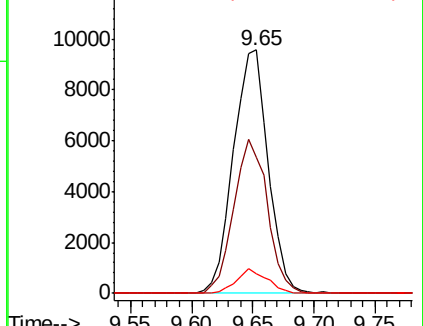
127 7.8 7.8 11.6



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 126.80 (126.50 to 127.50): VW



#48

Methyl methacrylate

Concen: 3.964 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

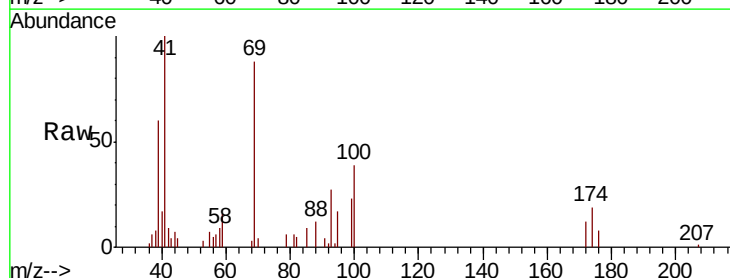
Tgt Ion: 41 Resp: 5671

Ion Ratio Lower Upper

41 100

69 108.3 83.5 125.3

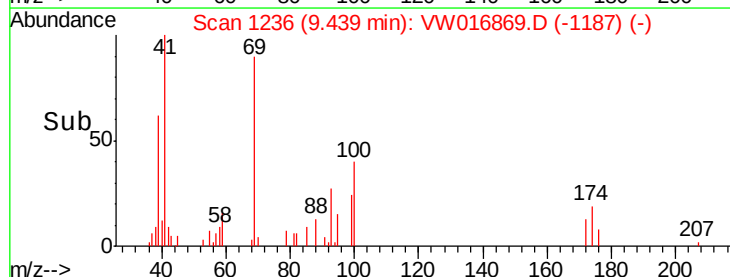
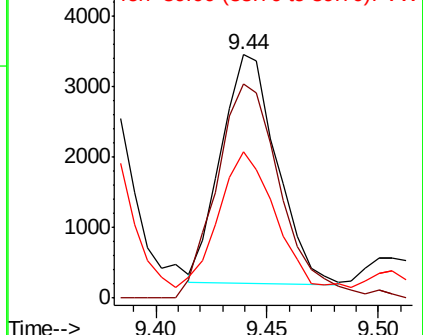
39 66.5 50.9 76.3

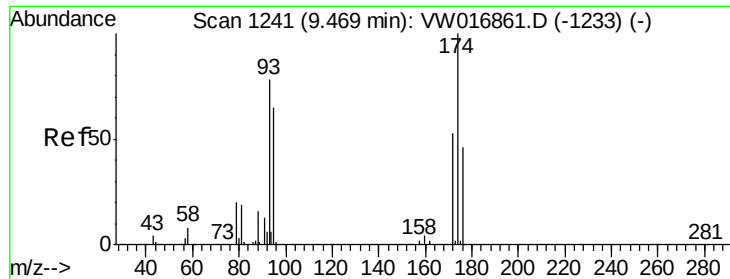


Abundance Ion 41.00 (40.70 to 41.70): VW

Ion 69.00 (68.70 to 69.70): VW

Ion 39.00 (38.70 to 39.70): VW

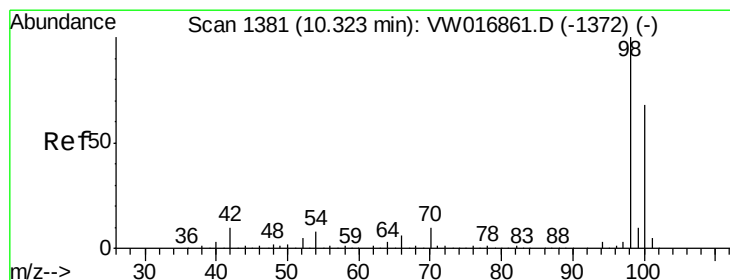
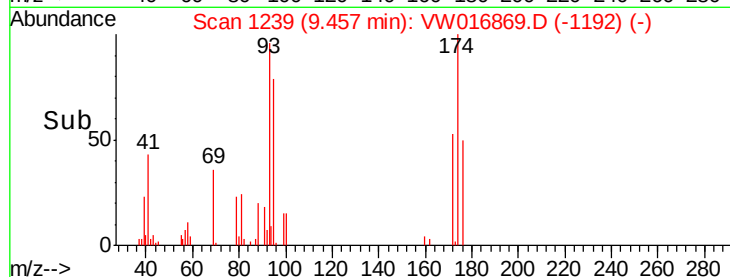
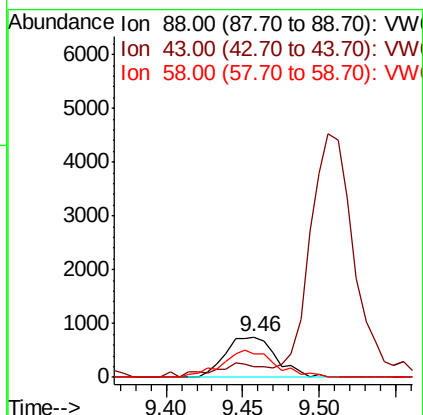
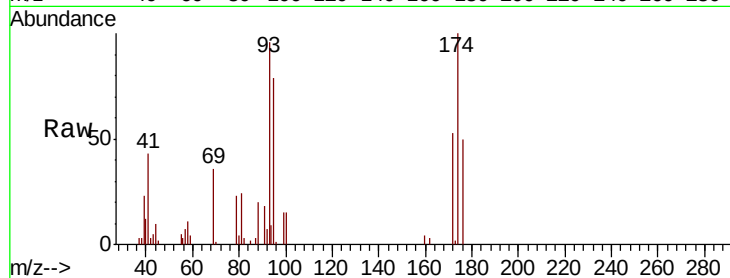




#49
1,4-Dioxane
Concen: 82.603 ug/l
RT: 9.46 min Scan# 1239
Delta R.T. -0.01 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

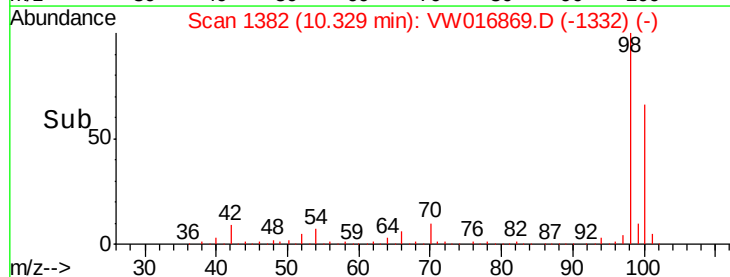
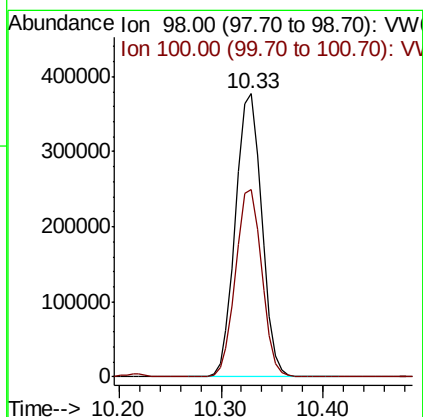
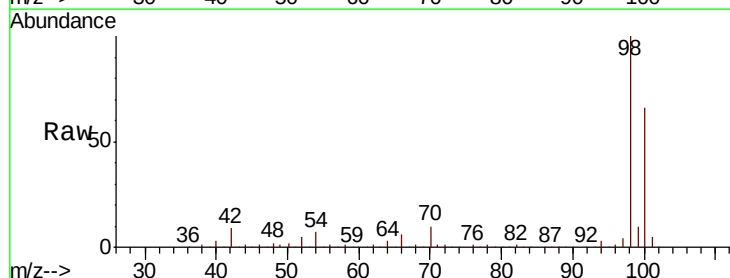
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

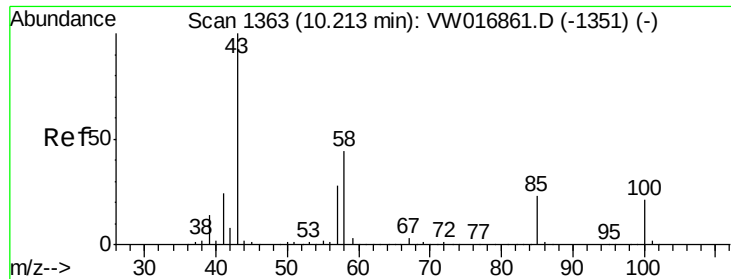
Tot Ion: 88 Resp: 1713
Ion Ratio Lower Upper
88 100
43 37.3 0.0 0.0#
58 70.9 54.0 81.0



#50
Toluene-d8
Concen: 50.899 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion: 98 Resp: 671227
Ion Ratio Lower Upper
98 100
100 66.1 53.3 79.9





#51

4-Methyl-2-Pentanone

Concen: 21.723 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

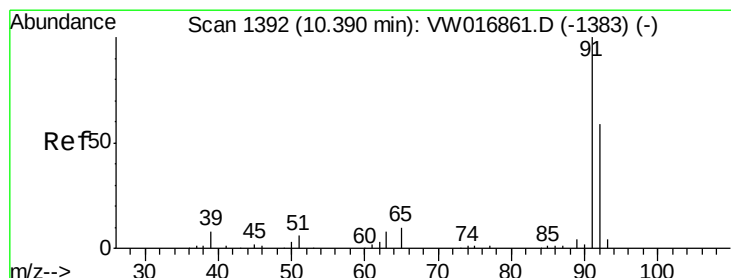
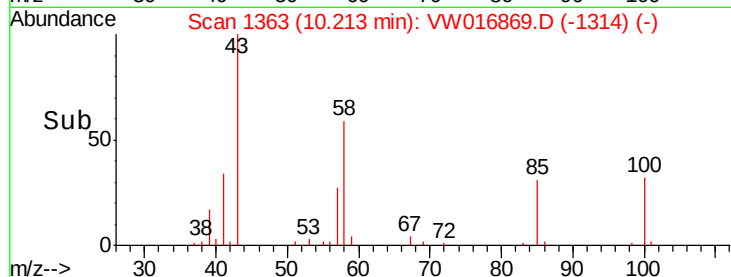
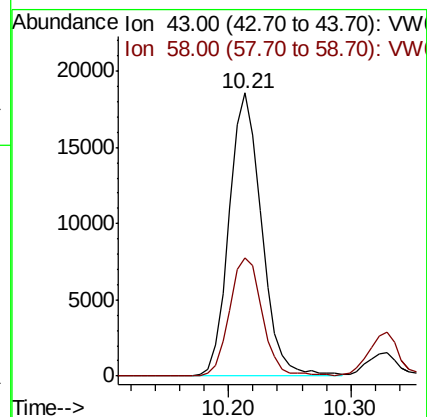
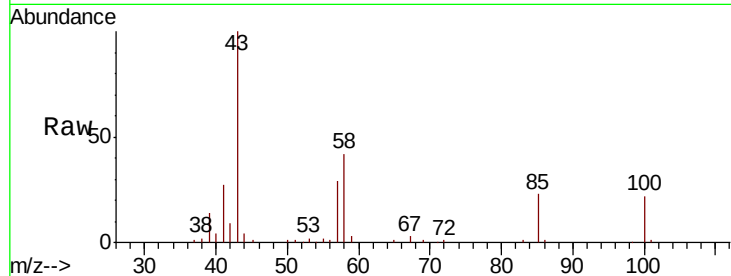
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 34121

Ion Ratio Lower Upper

43 100

58 42.1 34.7 52.1



#52

Toluene

Concen: 4.234 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. 0.00 min

Lab File: VW016869.D

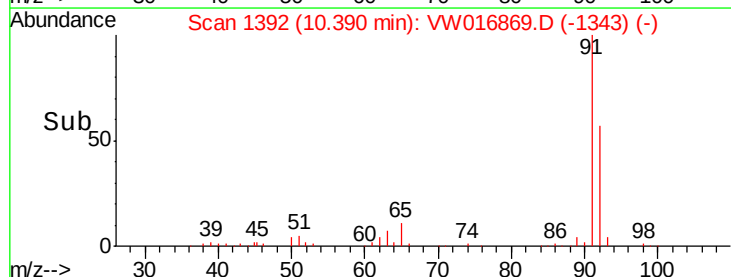
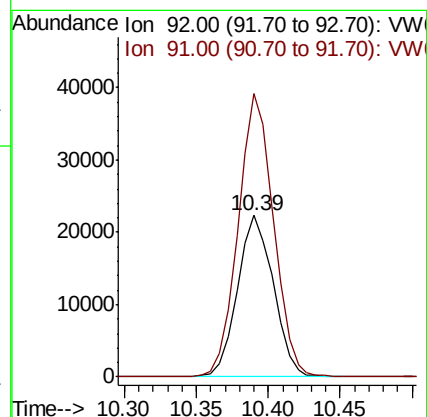
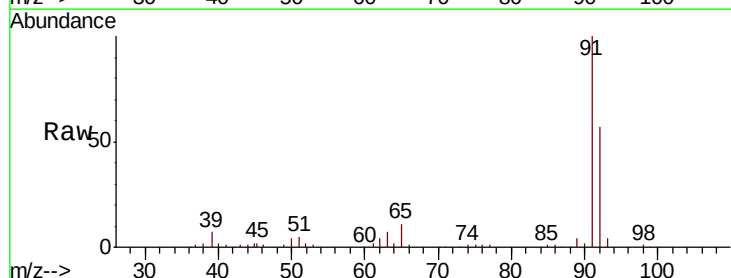
Acq: 09 Oct 2020 19:18

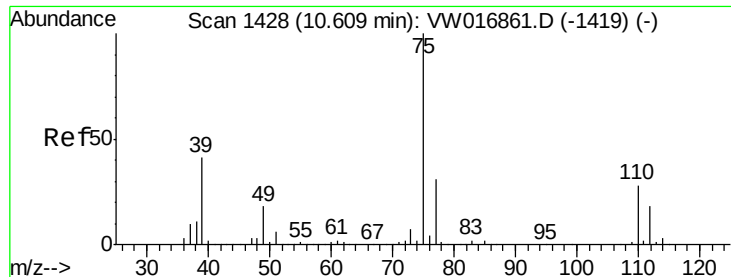
Tgt Ion: 92 Resp: 38684

Ion Ratio Lower Upper

92 100

91 173.0 134.7 202.1

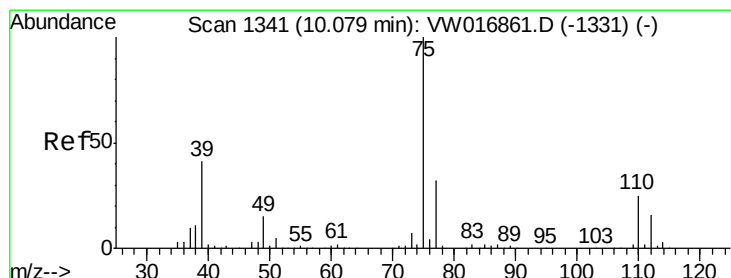
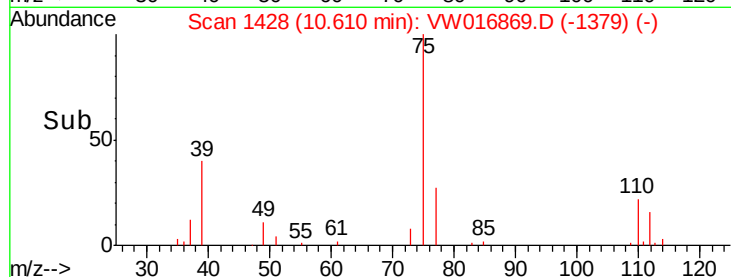
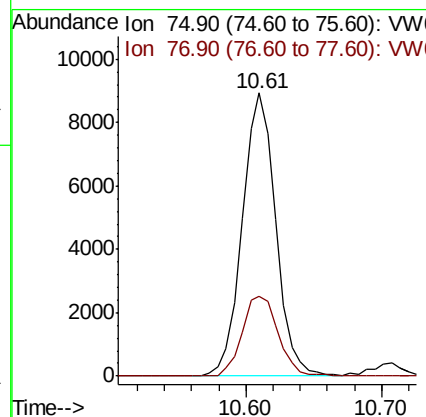
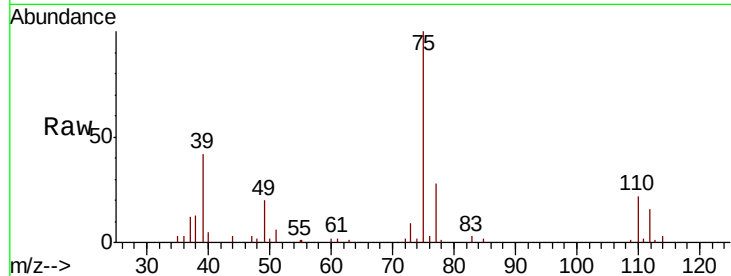




#53
 t-1,3-Dichloropropene
 Concen: 3.753 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

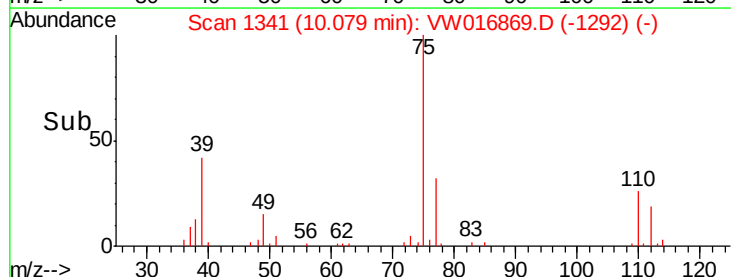
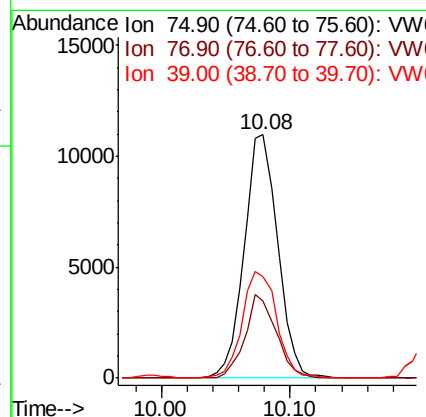
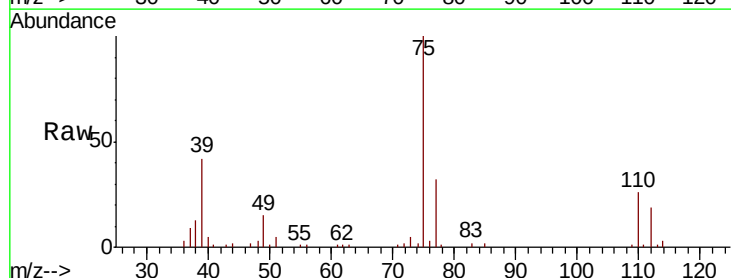
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

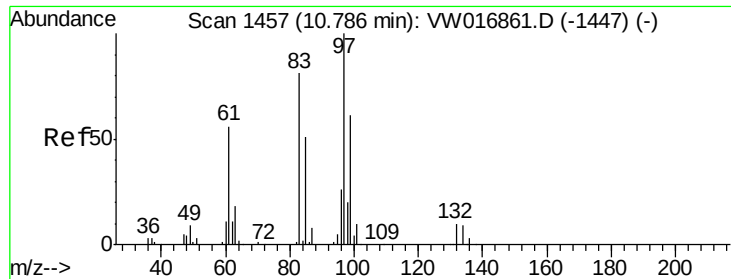
Tot Ion: 75 Resp: 15314
 Ion Ratio Lower Upper
 75 100
 77 28.3 24.8 37.2



#54
 cis-1,3-Dichloropropene
 Concen: 3.953 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion: 75 Resp: 19704
 Ion Ratio Lower Upper
 75 100
 77 31.6 25.8 38.6
 39 41.6 32.9 49.3

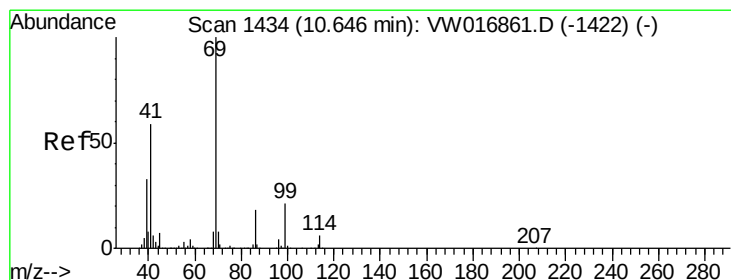
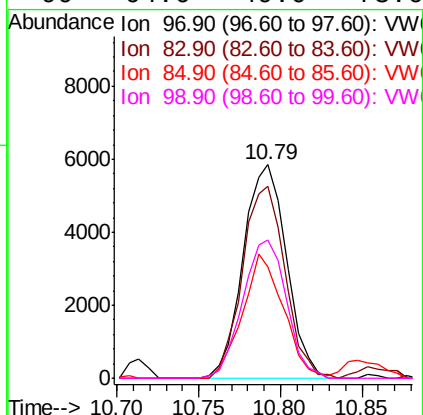
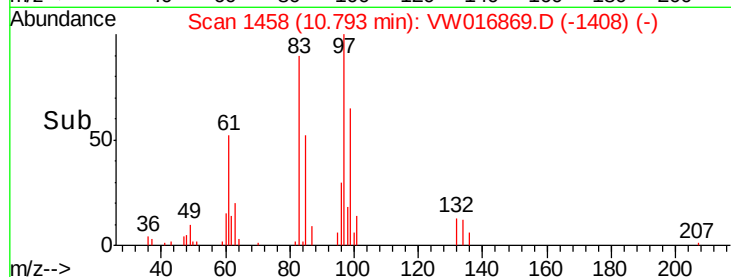
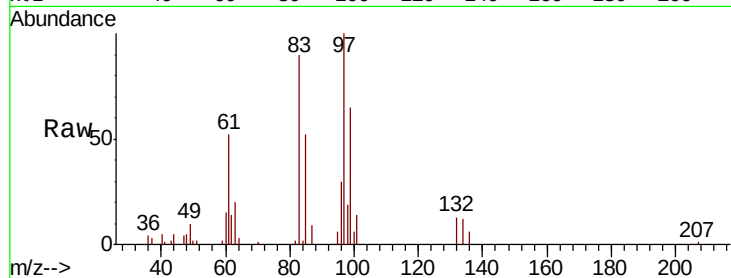




#55
 1,1,2-Trichloroethane
 Concen: 4.203 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

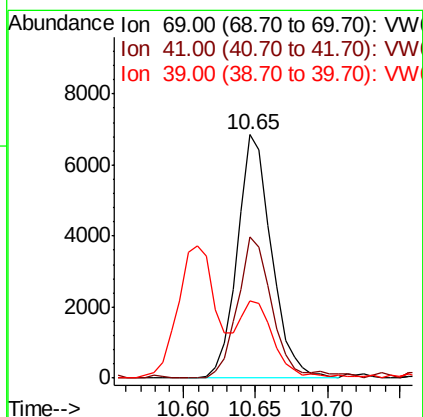
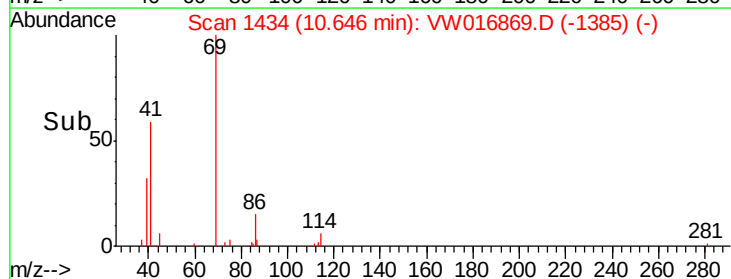
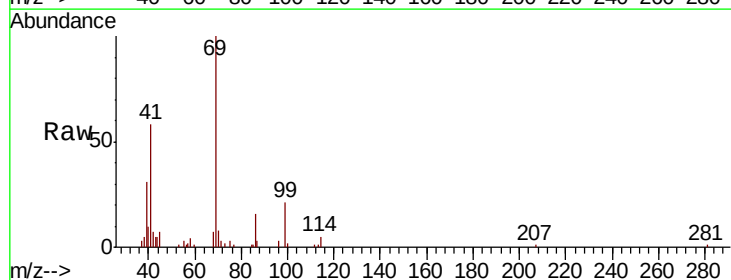
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

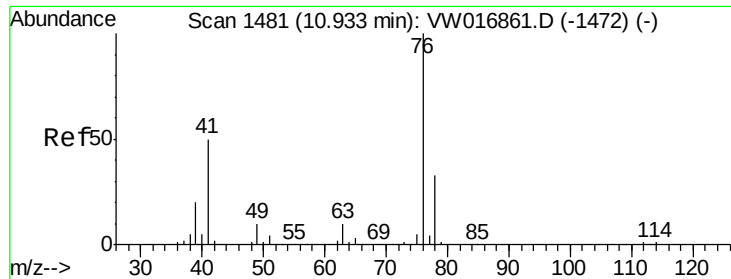
Tot Ion:	97	Resp:	10787
Ion	Ratio	Lower	Upper
97	100		
83	89.7	64.6	97.0
85	52.0	40.6	61.0
99	64.6	49.0	73.6



#56
 Ethyl methacrylate
 Concen: 4.054 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion:	69	Resp:	11318
Ion	Ratio	Lower	Upper
69	100		
41	59.2	46.3	69.5
39	28.4	25.9	38.9

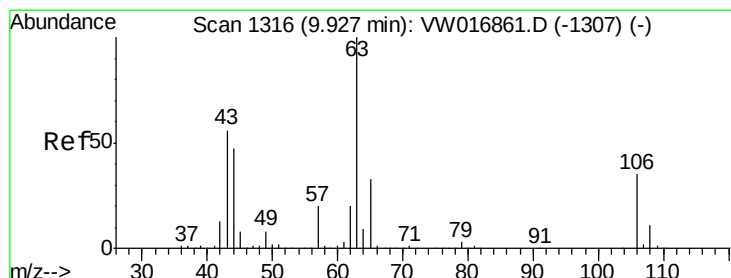
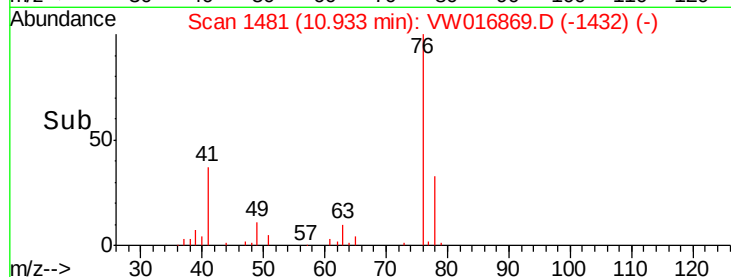
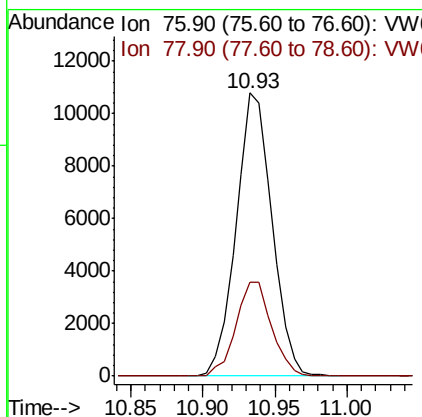
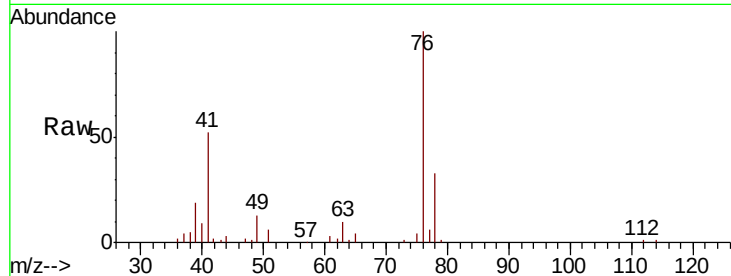




#57
 1,3-Dichloropropane
 Concen: 4.397 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

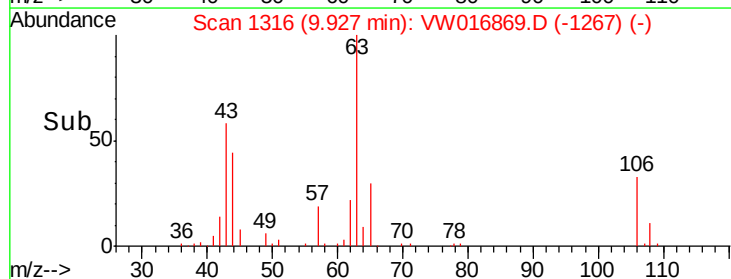
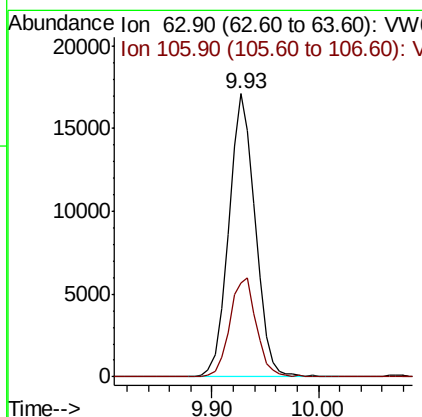
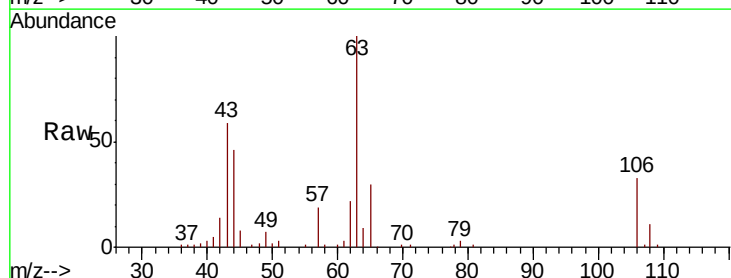
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

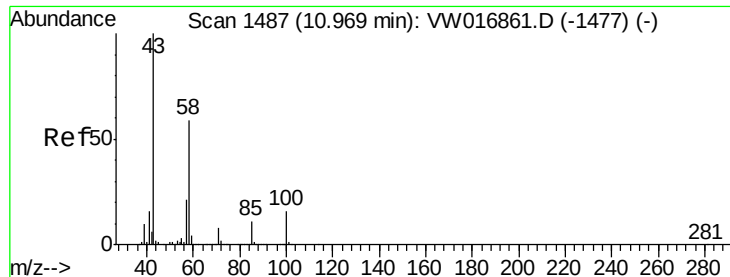
Tot Ion: 76 Resp: 18668
 Ion Ratio Lower Upper
 76 100
 78 33.1 26.0 39.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 19.277 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion: 63 Resp: 29821
 Ion Ratio Lower Upper
 63 100
 106 35.0 27.0 40.4





#59

2-Hexanone

Concen: 19.750 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

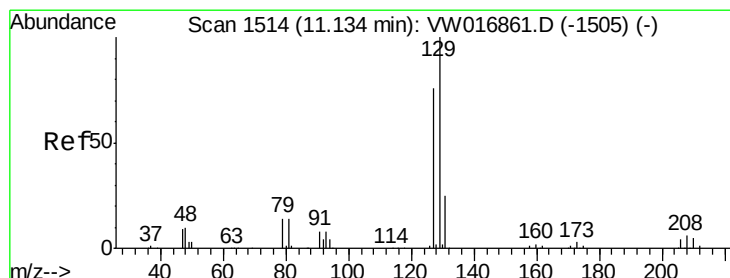
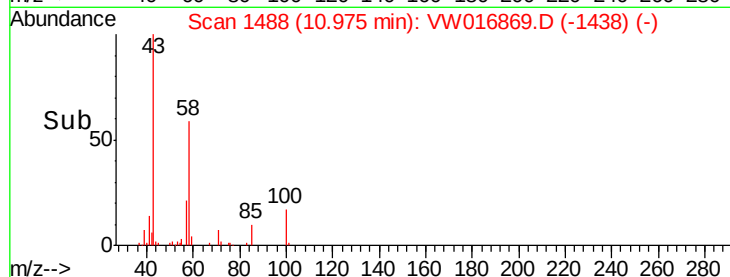
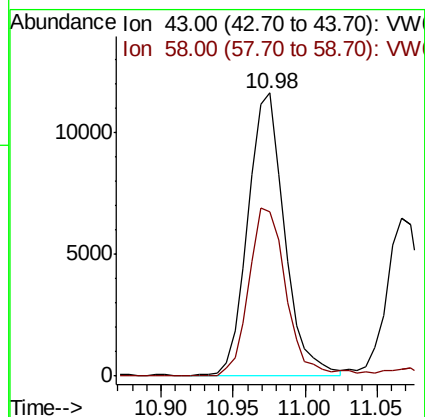
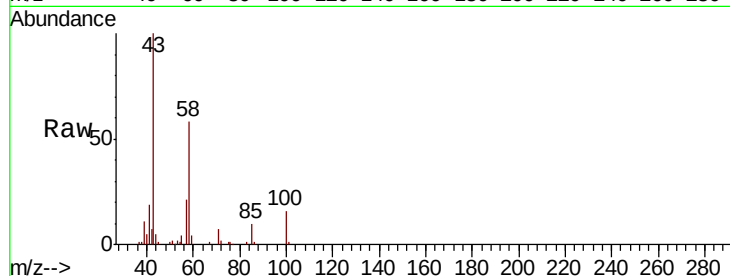
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 43 Resp: 20525

Ion Ratio Lower Upper

43 100

58 60.3 29.5 88.5



#60

Dibromochloromethane

Concen: 3.986 ug/l

RT: 11.13 min Scan# 1513

Delta R.T. -0.01 min

Lab File: VW016869.D

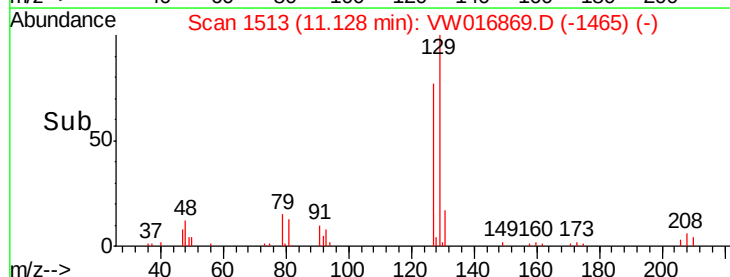
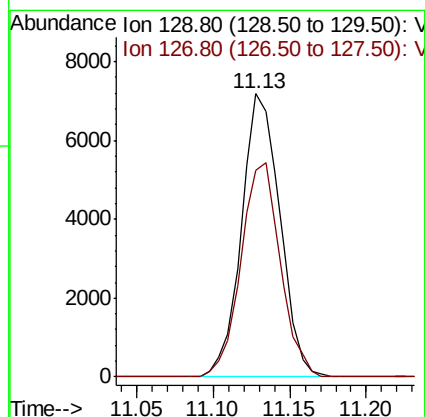
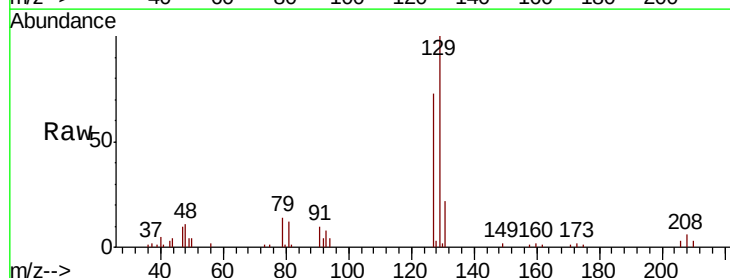
Acq: 09 Oct 2020 19:18

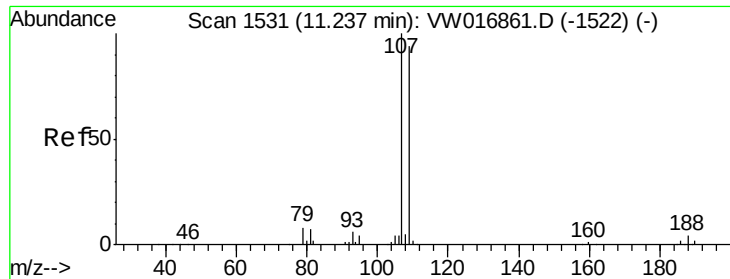
Tgt Ion: 129 Resp: 12547

Ion Ratio Lower Upper

129 100

127 77.3 38.9 116.6

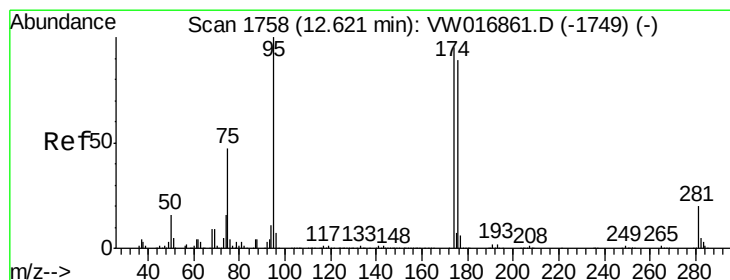
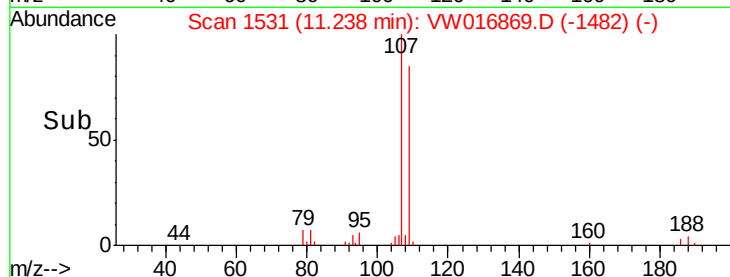
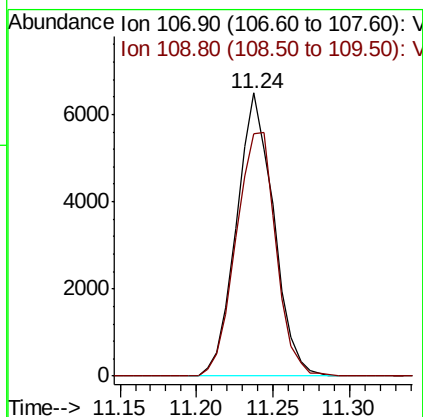
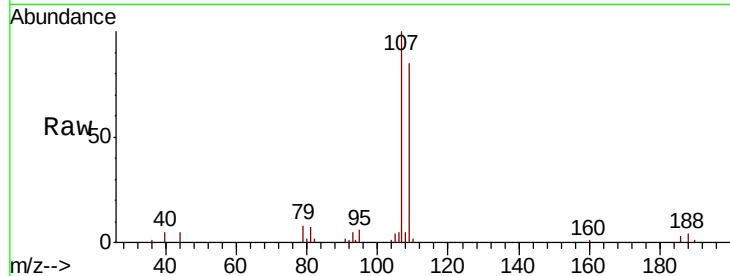




#61
 1,2-Dibromoethane
 Concen: 4.306 ug/l
 RT: 11.24 min Scan# 1531
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

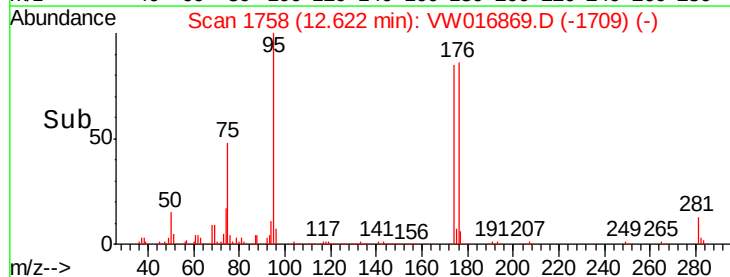
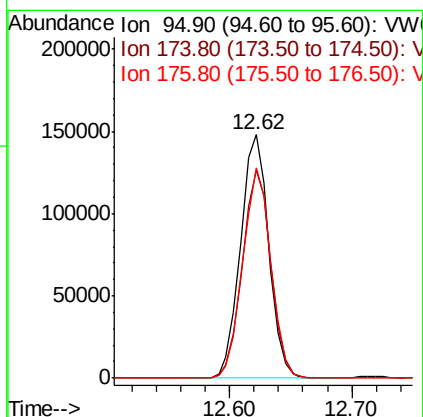
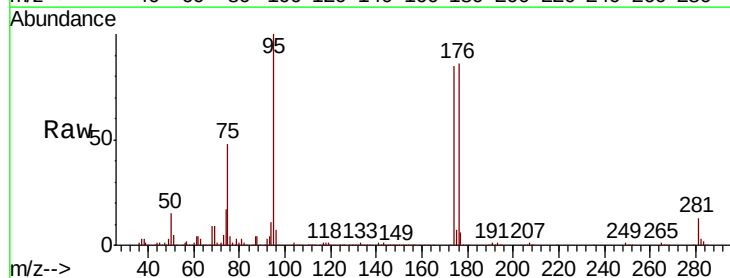
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

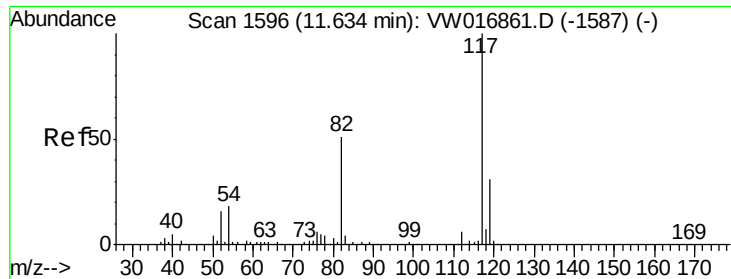
Tot Ion:107 Resp: 10944
 Ion Ratio Lower Upper
 107 100
 109 92.4 74.7 112.1



#62
 4-Bromofluorobenzene
 Concen: 51.983 ug/l
 RT: 12.62 min Scan# 1758
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion: 95 Resp: 236396
 Ion Ratio Lower Upper
 95 100
 174 86.2 0.0 180.6
 176 86.2 0.0 177.6

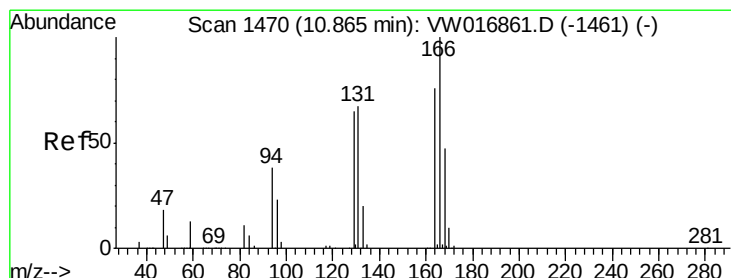
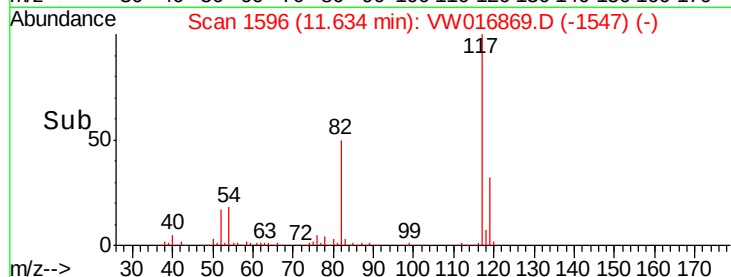
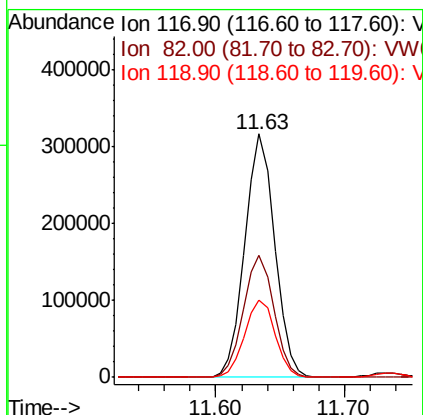
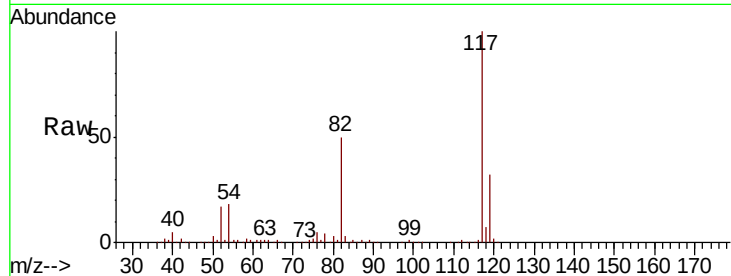




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

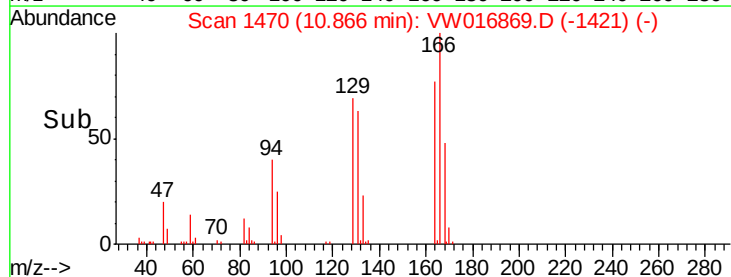
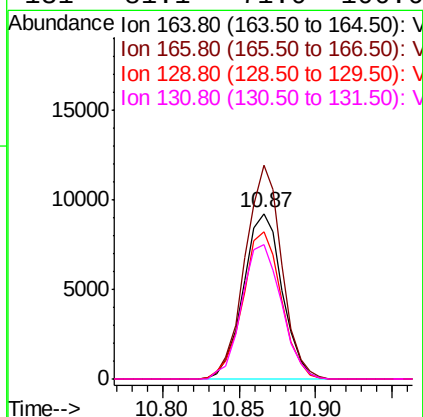
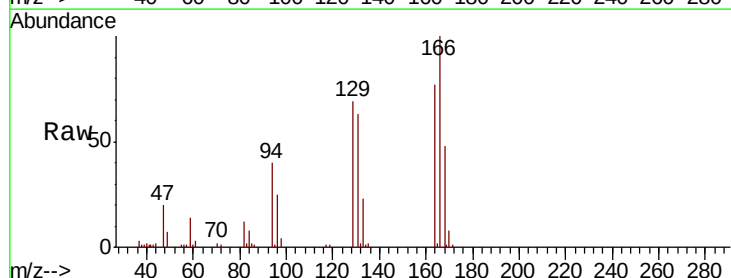
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

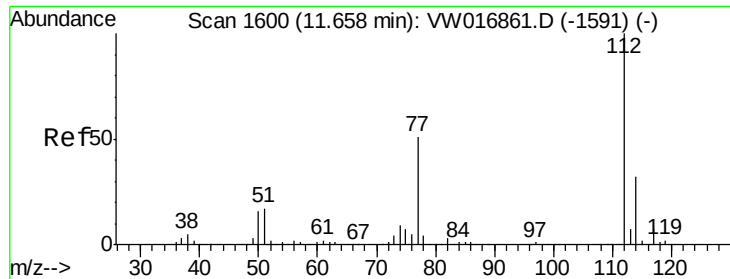
Tot Ion:117 Resp: 507357
Ion Ratio Lower Upper
117 100
82 50.2 40.7 61.1
119 31.7 25.0 37.4



#64
Tetrachloroethene
Concen: 4.508 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion:164 Resp: 16295
Ion Ratio Lower Upper
164 100
166 129.2 105.3 157.9
129 88.7 68.8 103.2
131 81.1 71.0 106.6

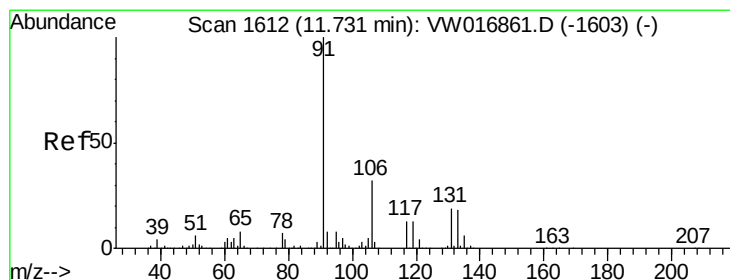
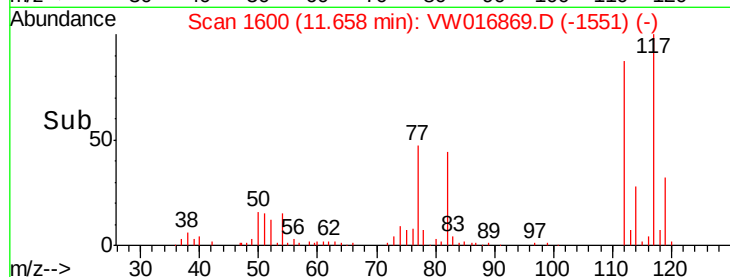
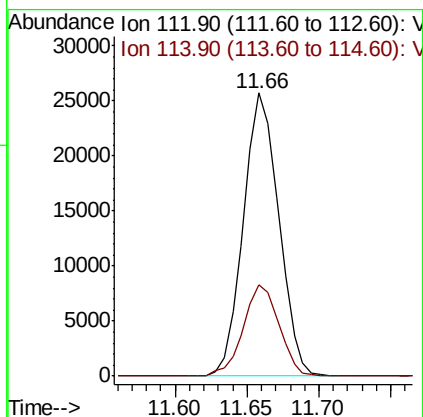
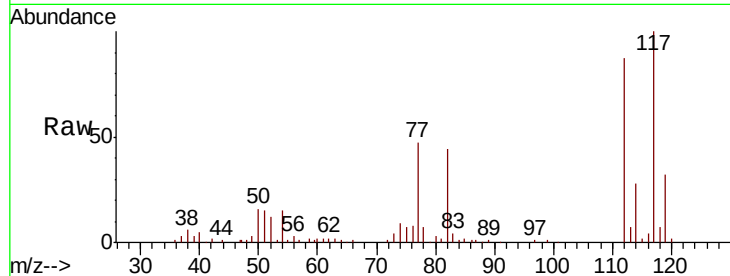




#65
Chlorobenzene
Concen: 4.394 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

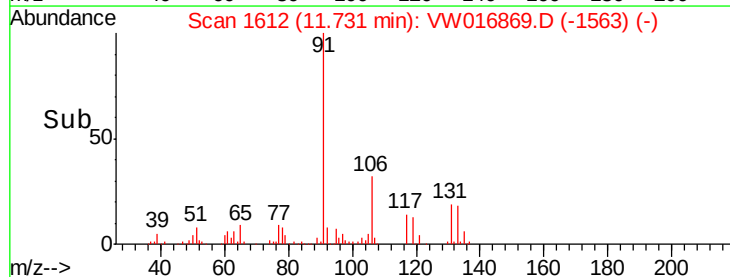
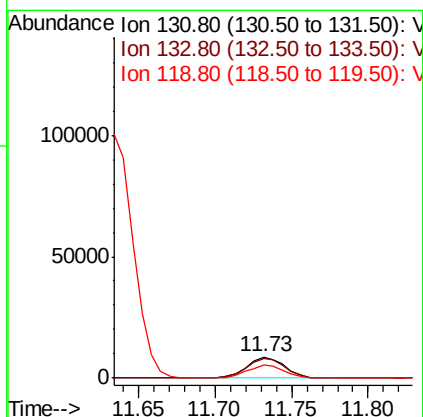
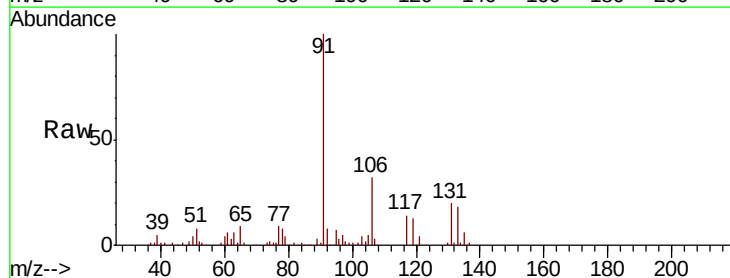
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

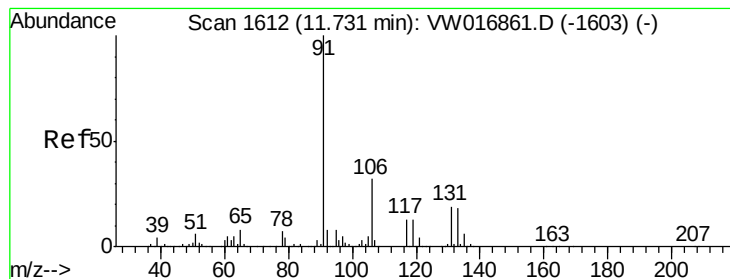
Tot Ion:112 Resp: 43729
Ion Ratio Lower Upper
112 100
114 32.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 4.142 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion:131 Resp: 14578
Ion Ratio Lower Upper
131 100
133 96.9 48.1 144.3
119 63.3 32.5 97.4





#67

Ethyl Benzene

Concen: 4.228 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

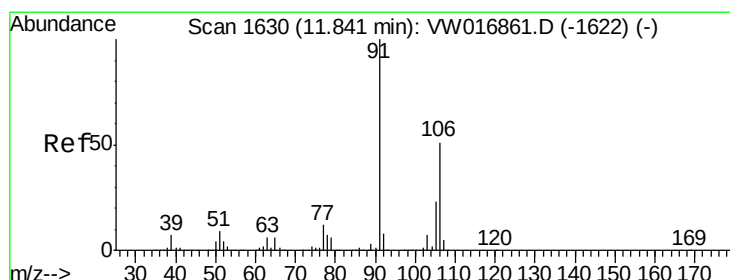
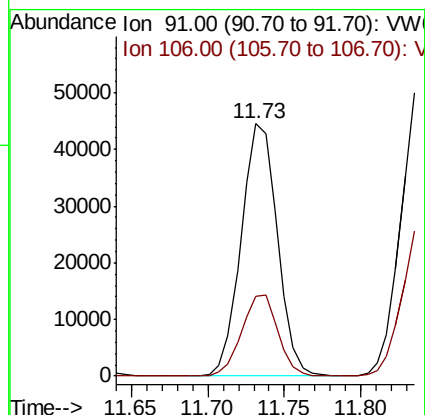
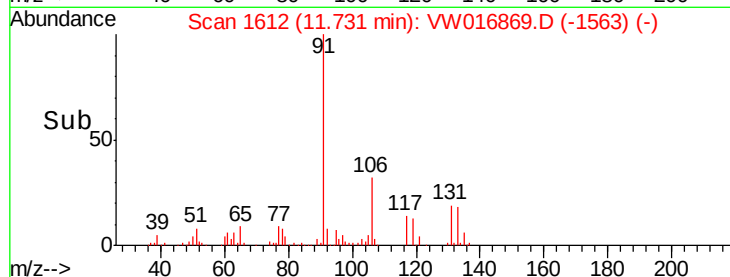
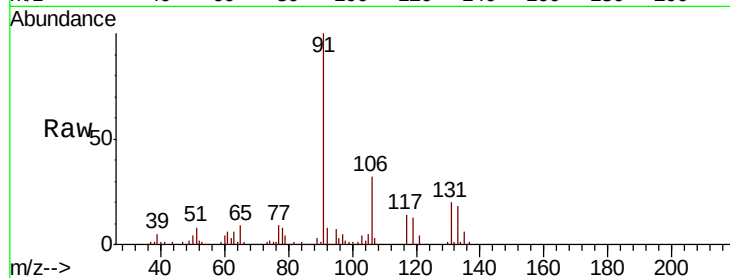
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 91 Resp: 73321

Ion Ratio Lower Upper

91 100

106 31.6 25.9 38.9



#68

m/p-Xylenes

Concen: 8.206 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. 0.00 min

Lab File: VW016869.D

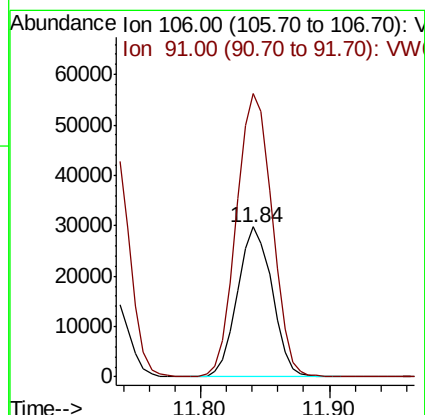
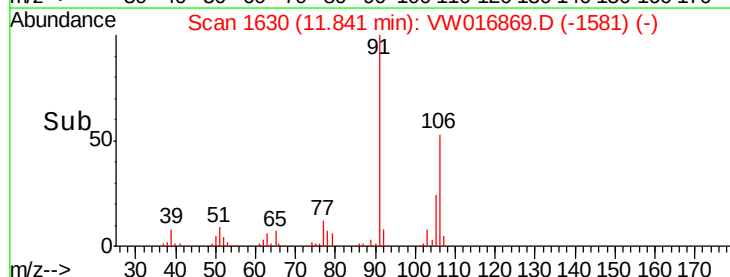
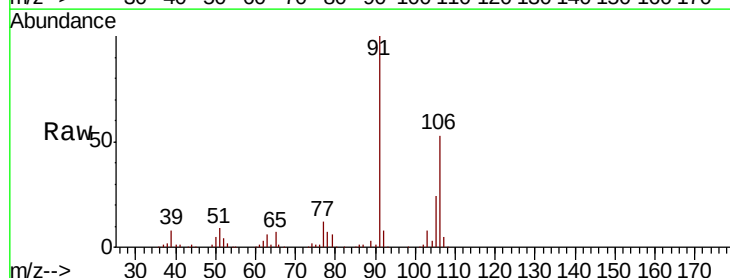
Acq: 09 Oct 2020 19:18

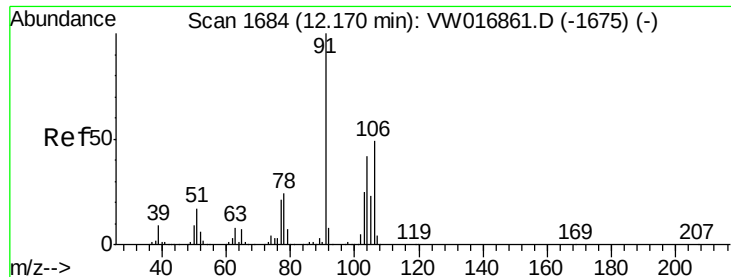
Tgt Ion:106 Resp: 55344

Ion Ratio Lower Upper

106 100

91 195.2 157.4 236.0

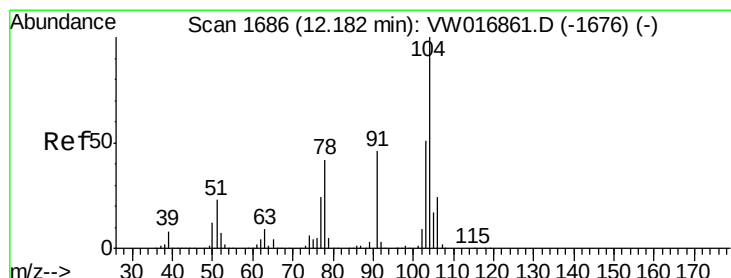
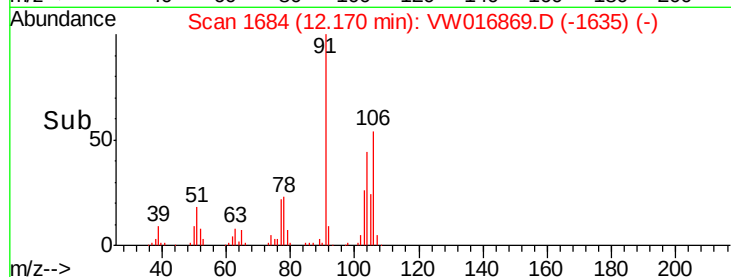
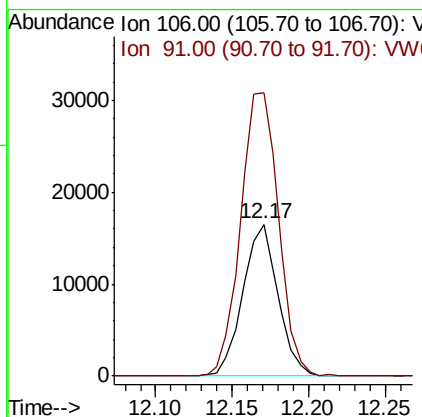
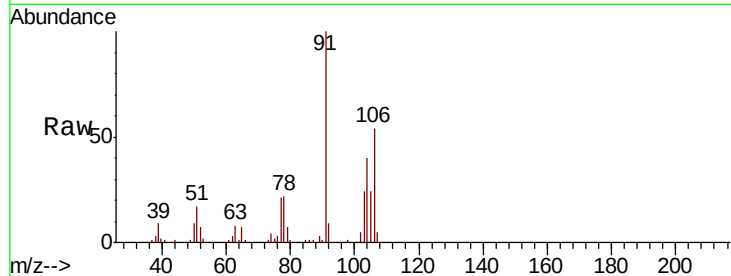




#69
o-Xylene
Concen: 4.238 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

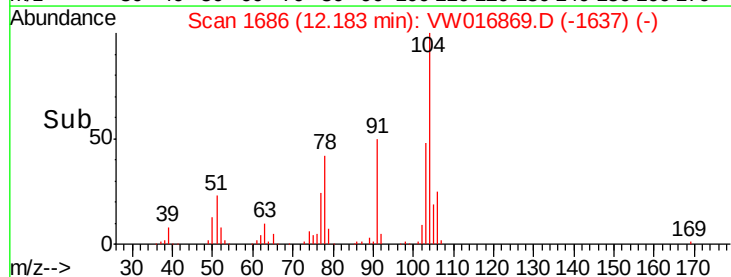
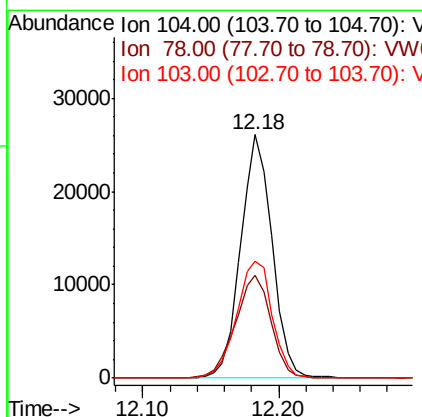
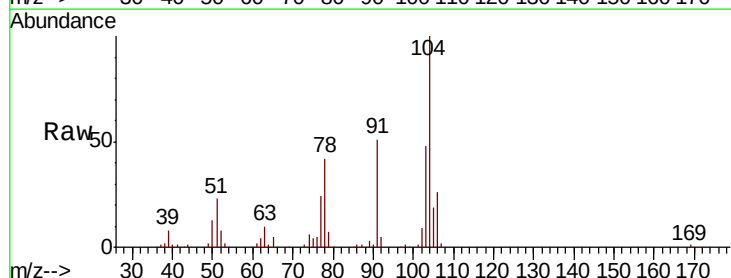
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

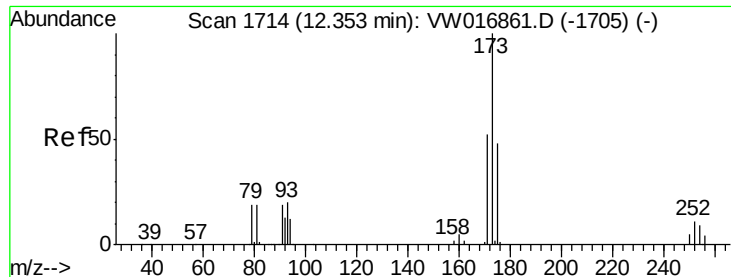
Tot Ion:106 Resp: 26232
Ion Ratio Lower Upper
106 100
91 202.7 103.6 310.9



#70
Styrene
Concen: 4.085 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion:104 Resp: 42076
Ion Ratio Lower Upper
104 100
78 47.9 37.6 56.4
103 54.5 43.6 65.4





#71

Bromoform

Concen: 3.920 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

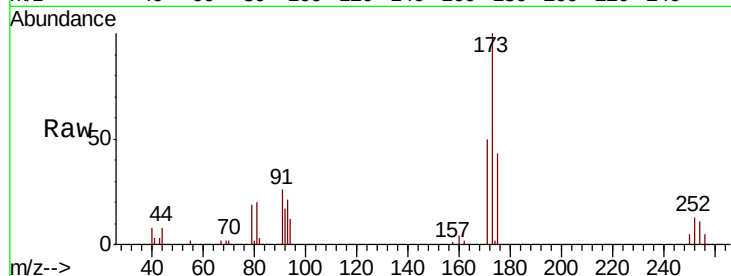
Tot Ion:173 Resp: 6926

Ion Ratio Lower Upper

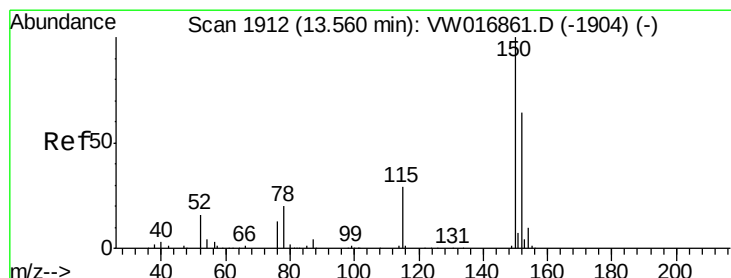
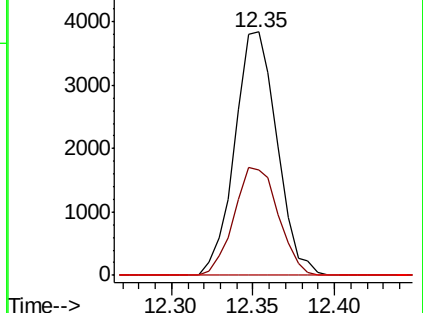
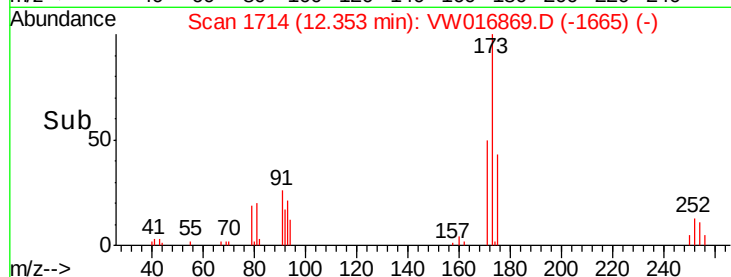
173 100

175 46.4 24.7 74.1

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: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

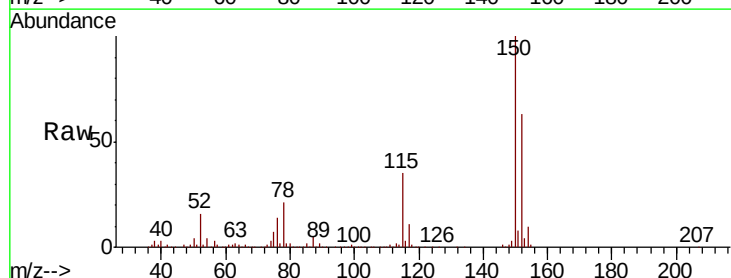
Tgt Ion:152 Resp: 259005

Ion Ratio Lower Upper

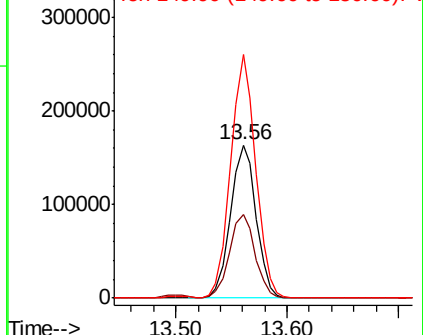
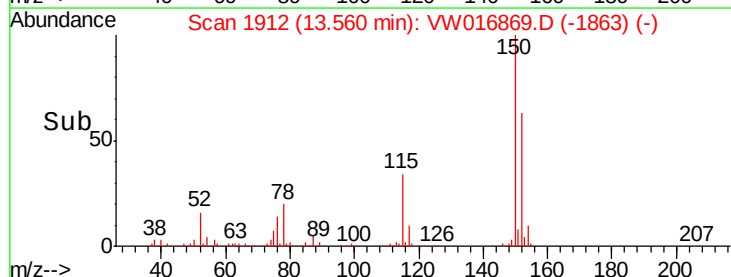
152 100

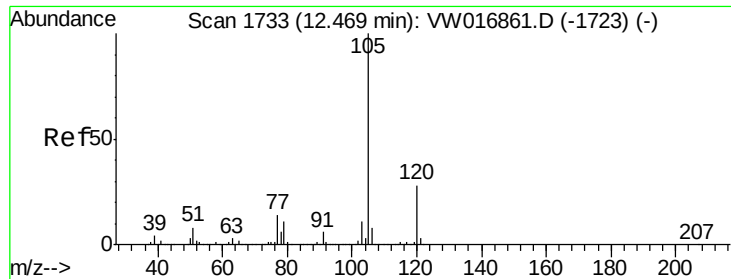
115 55.1 27.9 83.7

150 155.9 0.0 344.0



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.143 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

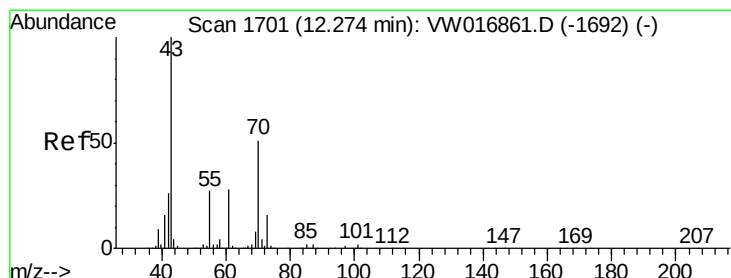
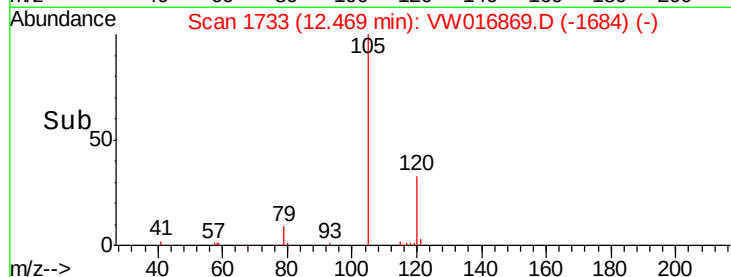
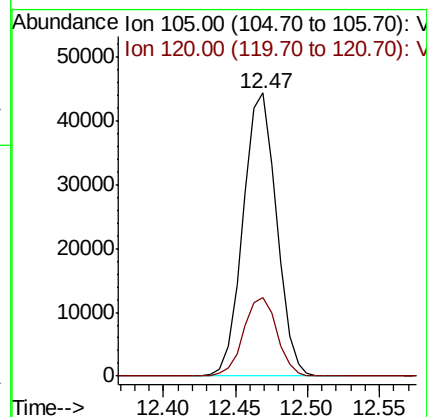
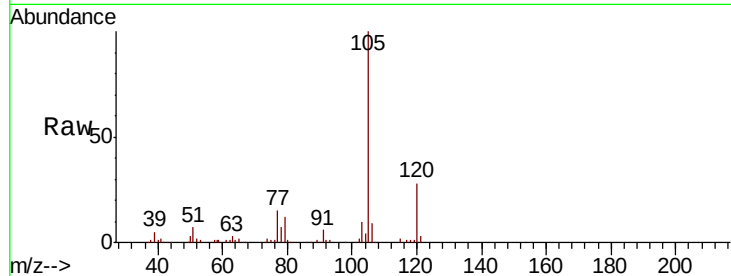
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:105 Resp: 71320

Ion Ratio Lower Upper

105 100

120 27.7 13.6 40.7



#74

N-ethyl acetate

Concen: 3.987 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Tgt Ion: 43 Resp: 11026

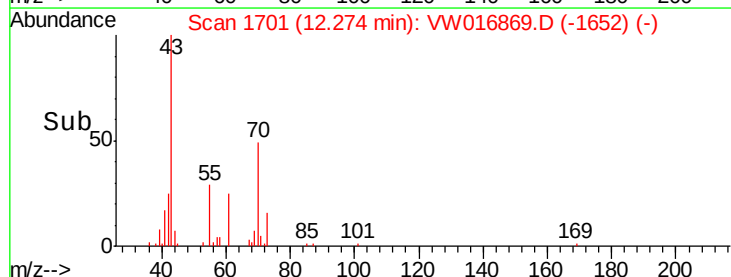
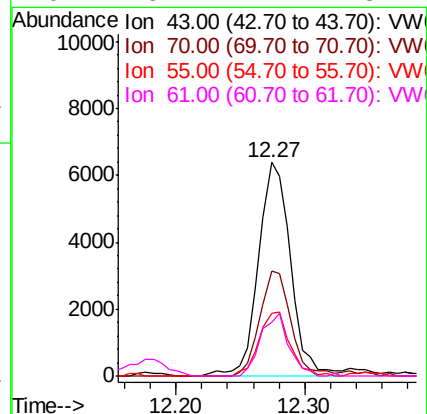
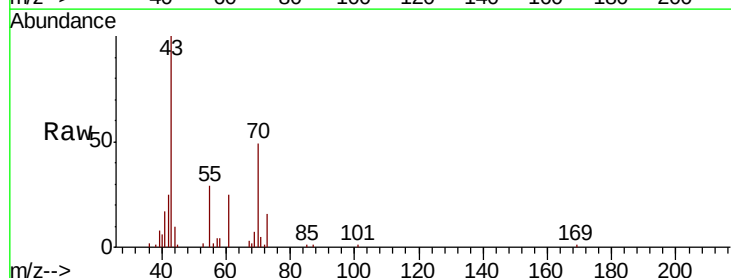
Ion Ratio Lower Upper

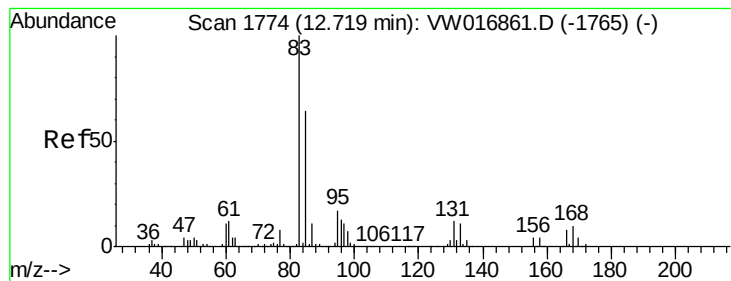
43 100

70 47.5 40.2 60.4

55 28.8 21.4 32.0

61 25.4 21.4 32.2





#75

1,1,2,2-Tetrachloroethane

Concen: 4.395 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

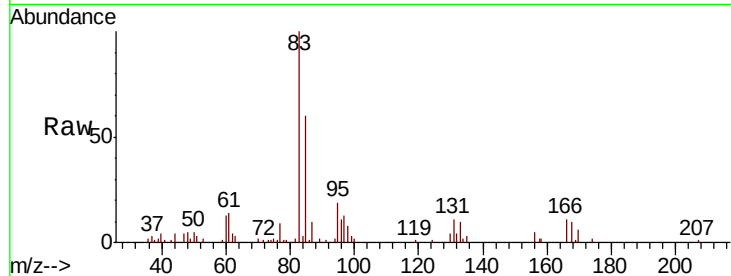
Tot Ion: 83 Resp: 11872

Ion Ratio Lower Upper

83 100

131 11.8 6.1 18.3

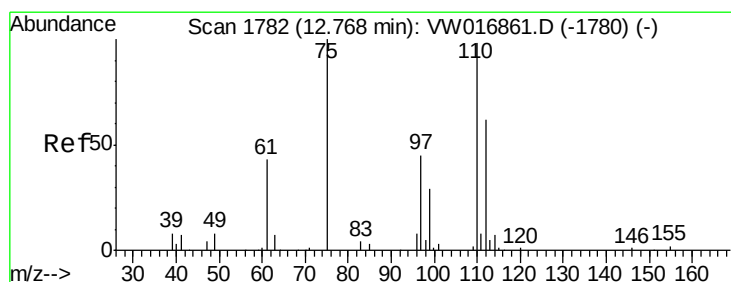
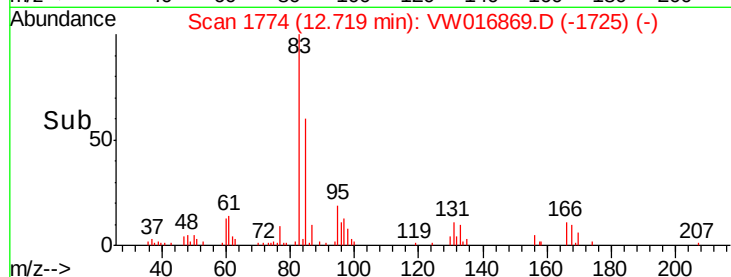
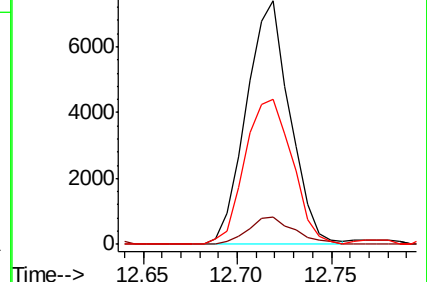
85 64.8 32.7 98.1



Abundance Ion 82.90 (82.60 to 83.60): VW

Ion 130.80 (130.50 to 131.50): VW

Ion 84.90 (84.60 to 85.60): VW



#76

1,2,3-Trichloropropane

Concen: 7.372 ug/l

RT: 12.77 min Scan# 1782

Delta R.T. 0.00 min

Lab File: VW016869.D

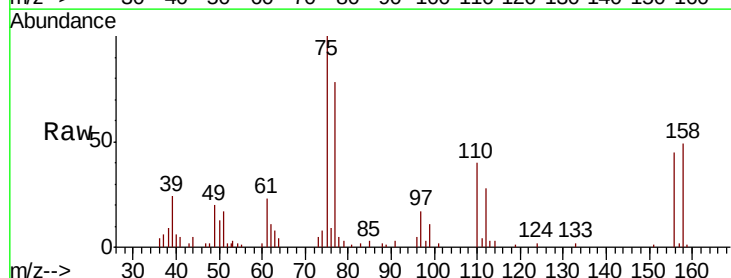
Acq: 09 Oct 2020 19:18

Tgt Ion: 75 Resp: 14248

Ion Ratio Lower Upper

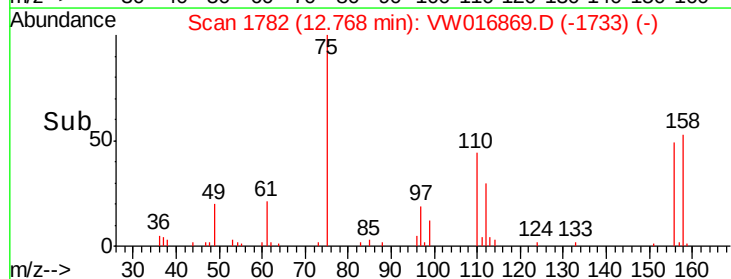
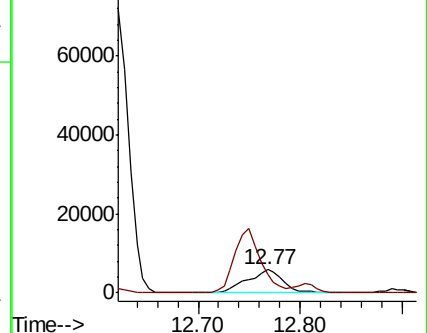
75 100

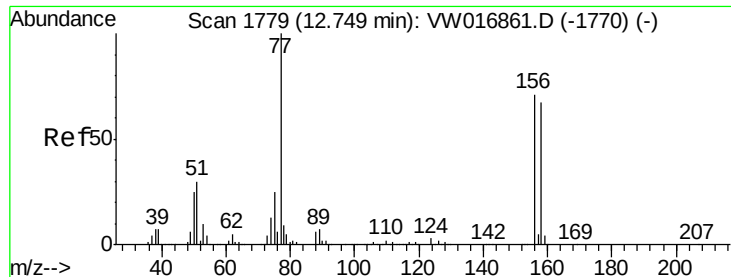
77 205.3 178.8 536.3



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.406 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

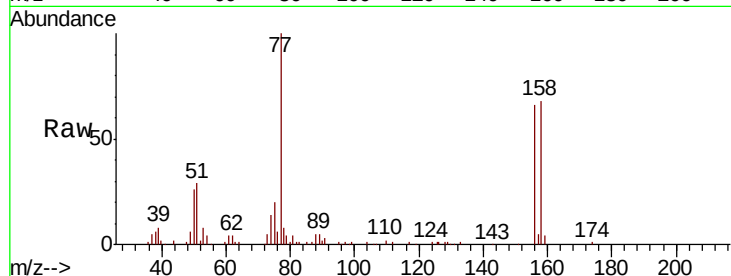
Tot Ion:156 Resp: 18750

Ion Ratio Lower Upper

156 100

77 156.0 79.0 237.2

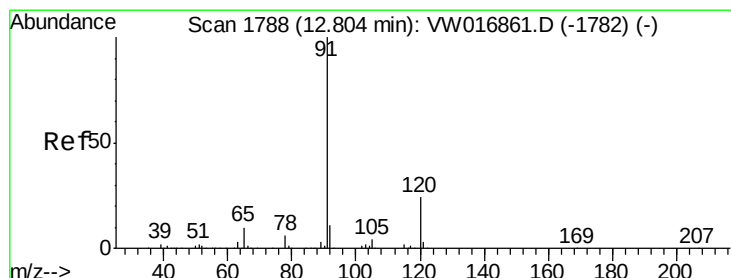
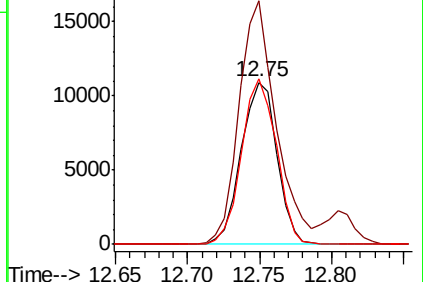
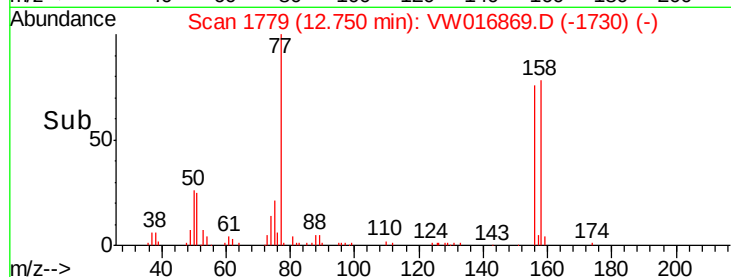
158 99.4 47.0 141.2



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VW

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 4.161 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW016869.D

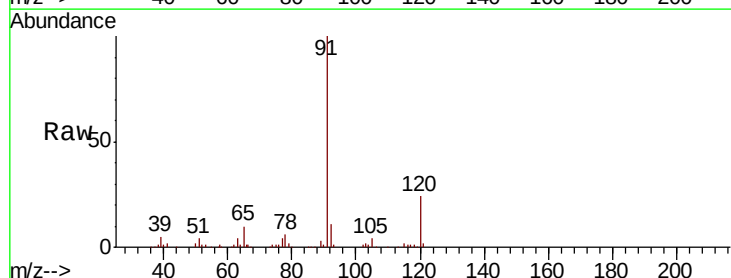
Acq: 09 Oct 2020 19:18

Tgt Ion: 91 Resp: 82608

Ion Ratio Lower Upper

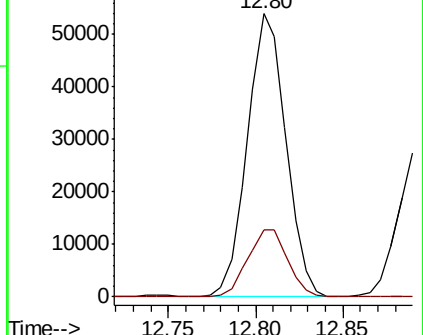
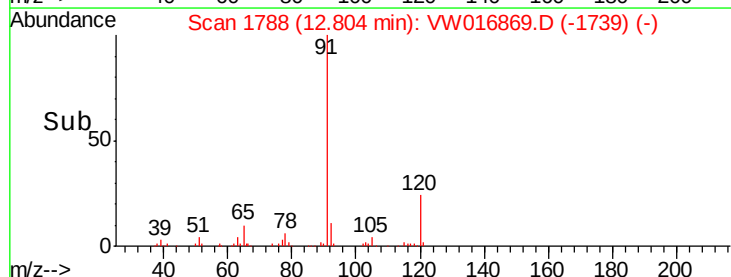
91 100

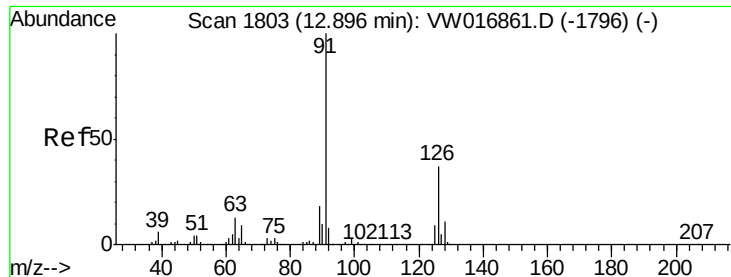
120 24.6 12.0 36.1



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.264 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

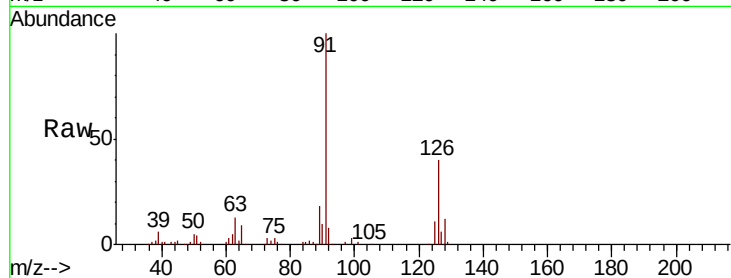
LOD-MDL-SOIL-01-QT4-2020

Tot Ion: 91 Resp: 48293

Ion Ratio Lower Upper

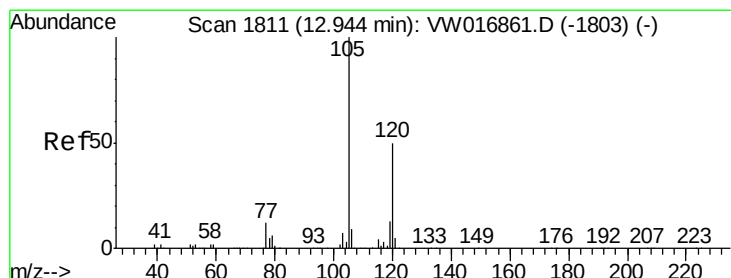
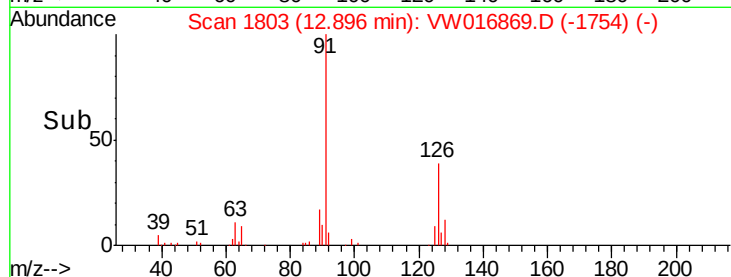
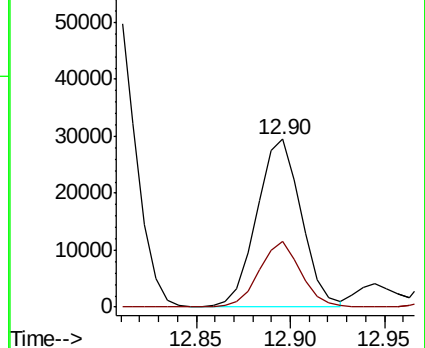
91 100

126 36.3 17.9 53.8



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.107 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW016869.D

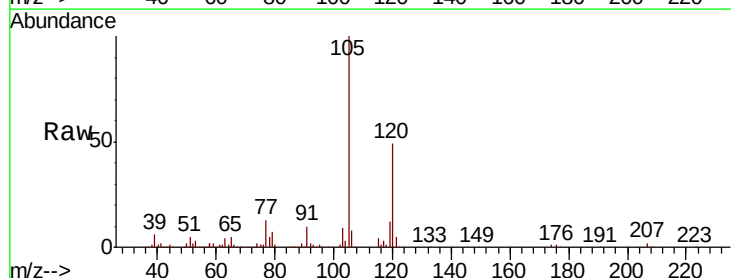
Acq: 09 Oct 2020 19:18

Tgt Ion:105 Resp: 59256

Ion Ratio Lower Upper

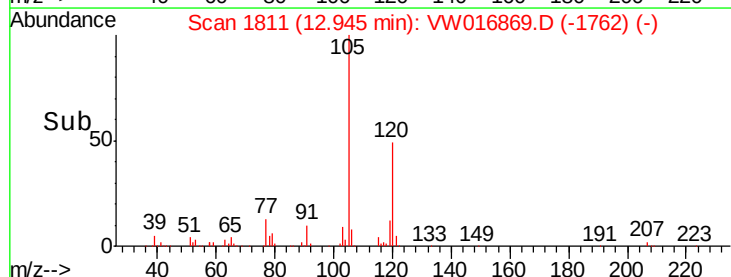
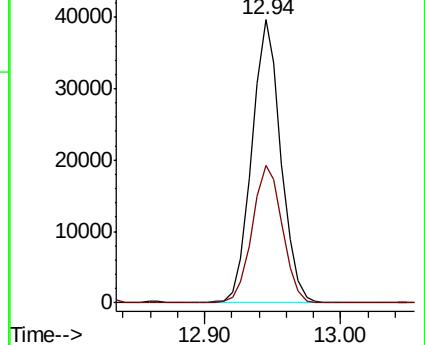
105 100

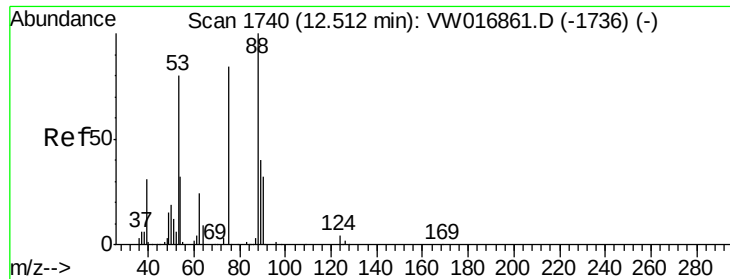
120 50.4 24.9 74.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

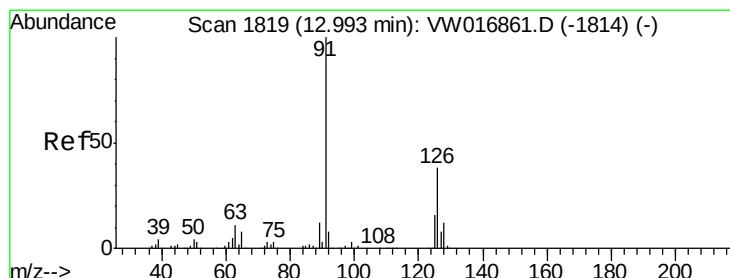
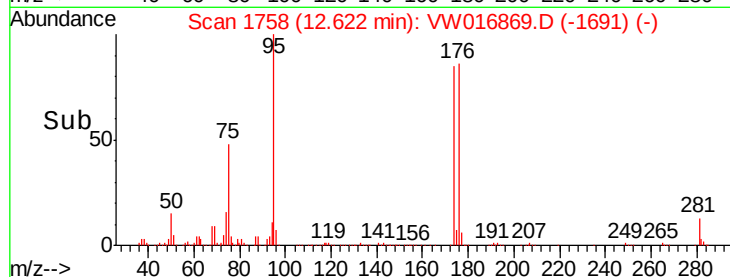
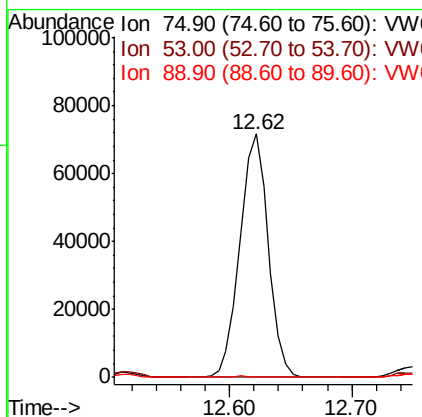
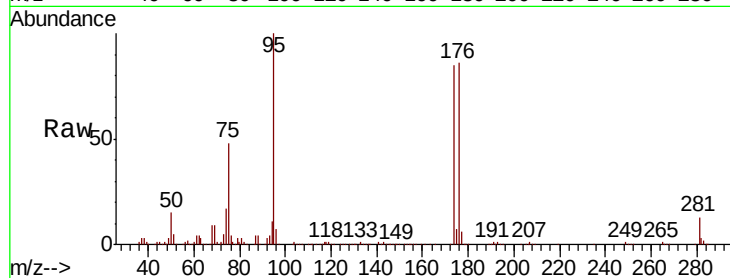




#81
trans-1,4-Dichloro-2-butene
Concen: 160.078 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. 0.11 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

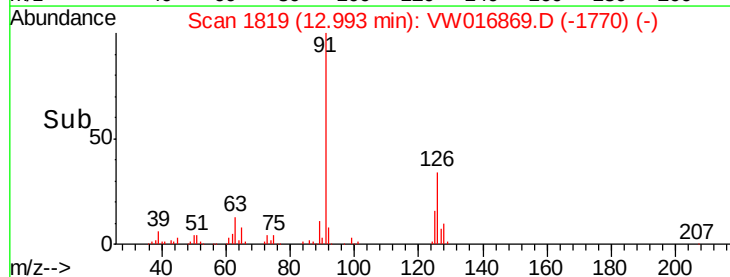
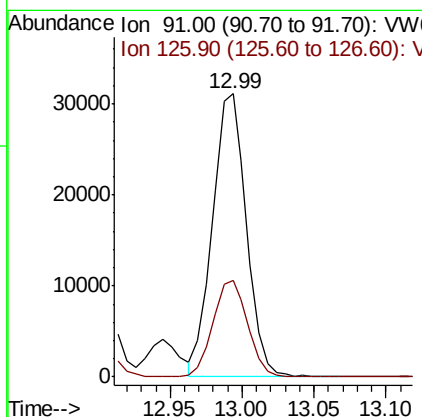
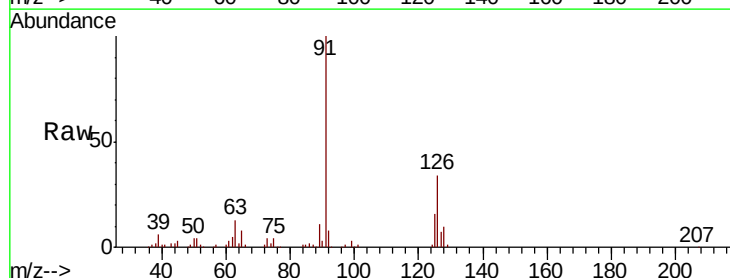
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

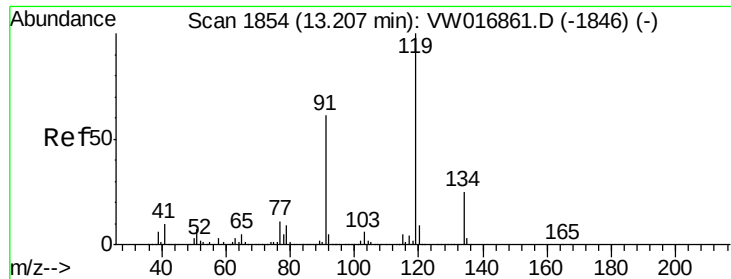
Tot Ion: 75 Resp: 115096
Ion Ratio Lower Upper
75 100
53 0.0 77.0 115.4#
89 0.3 38.7 58.1#



#82
4-Chlorotoluene
Concen: 4.373 ug/l
RT: 12.99 min Scan# 1819
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion: 91 Resp: 51132
Ion Ratio Lower Upper
91 100
126 34.9 18.1 54.3

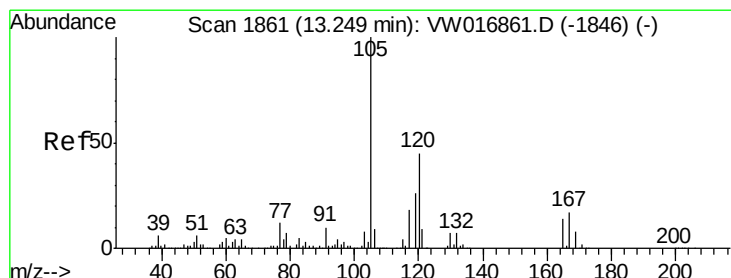
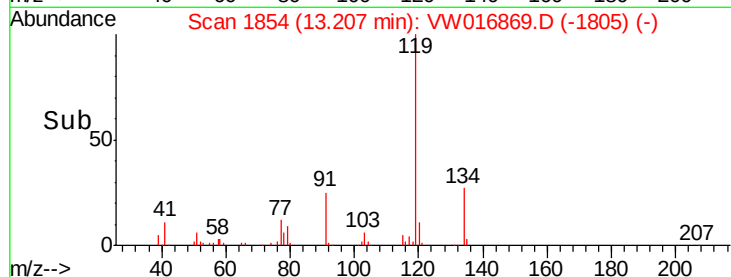
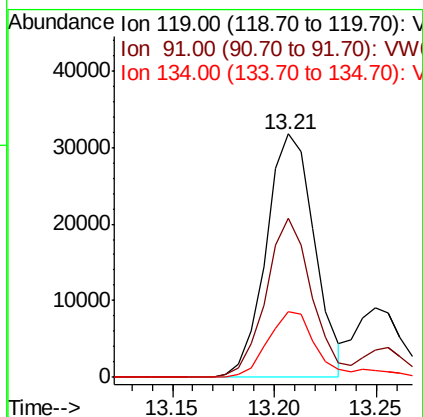
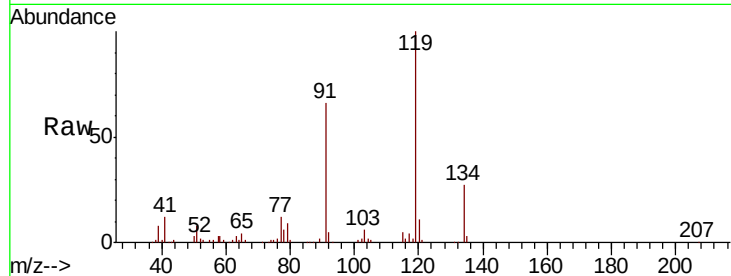




#83
tert-Butylbenzene
Concen: 4.188 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

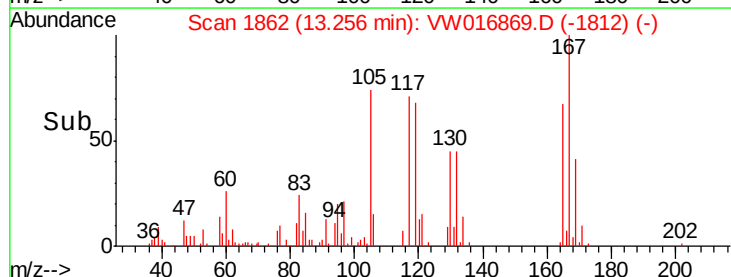
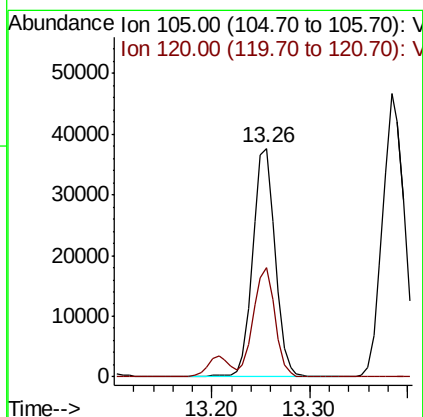
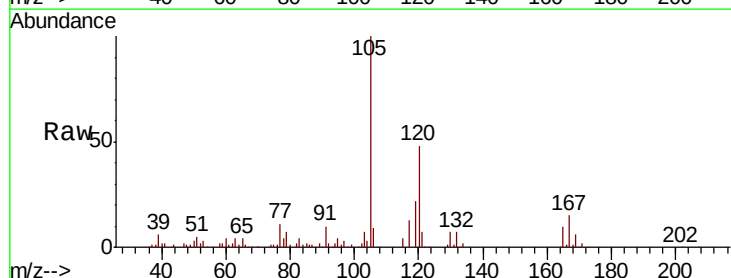
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

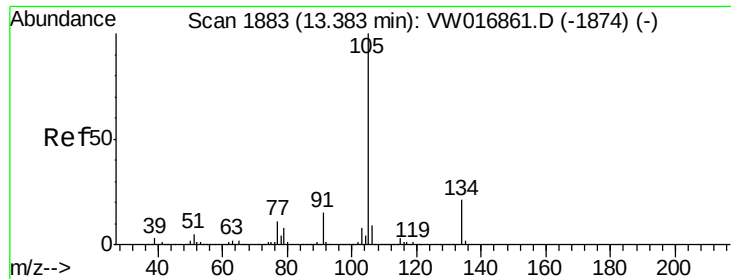
Tot Ion:119 Resp: 52482
Ion Ratio Lower Upper
119 100
91 62.6 31.3 93.9
134 26.0 14.0 42.0



#84
1,2,4-Trimethylbenzene
Concen: 4.174 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. 0.01 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion:105 Resp: 60000
Ion Ratio Lower Upper
105 100
120 45.8 23.4 70.0

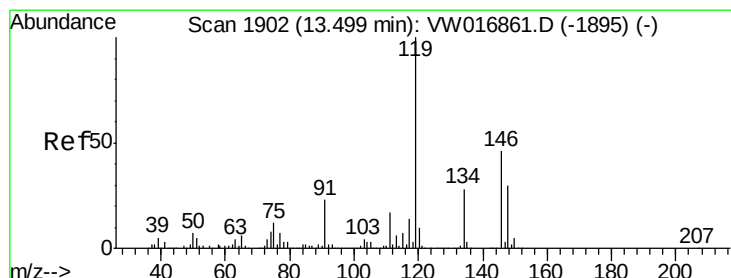
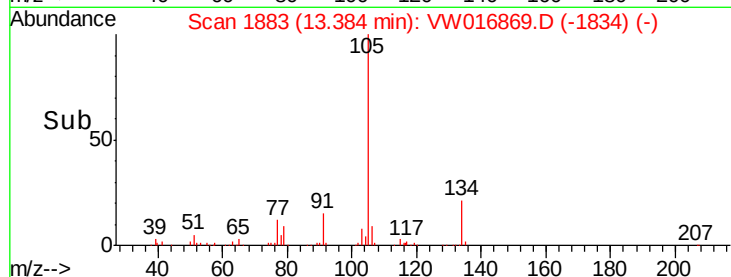
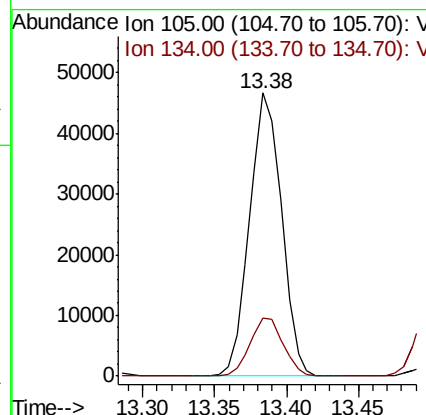
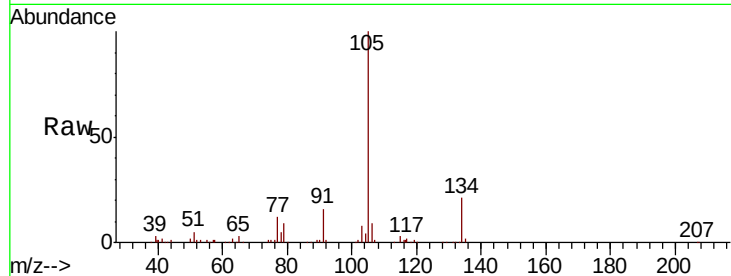




#85
 sec-Butylbenzene
 Concen: 4.114 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

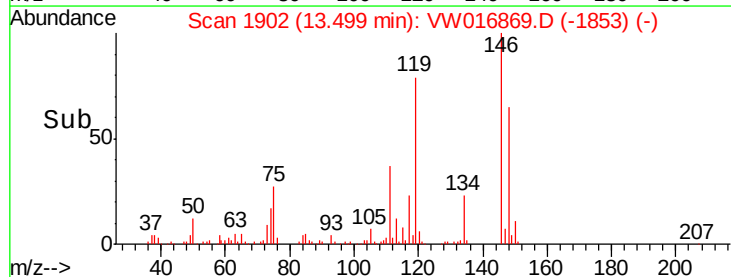
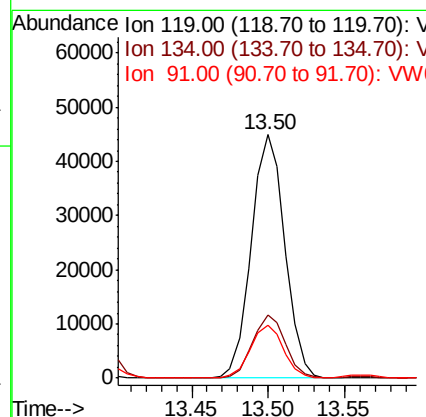
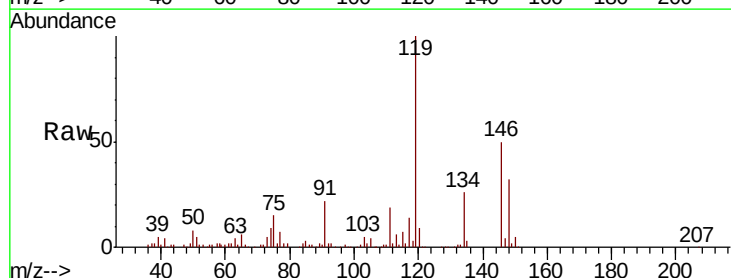
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

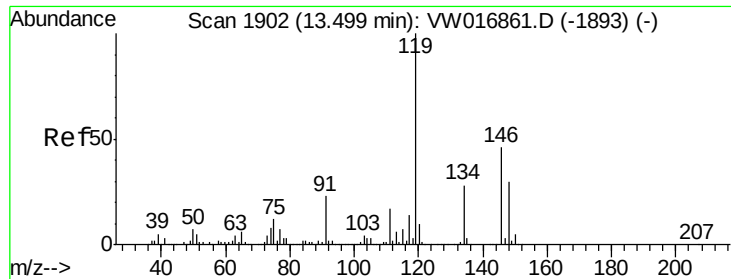
Tot Ion:105 Resp: 71746
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.6 31.8



#86
 p-Isopropyltoluene
 Concen: 4.225 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion:119 Resp: 68614
 Ion Ratio Lower Upper
 119 100
 134 25.3 13.8 41.3
 91 21.9 11.3 33.9

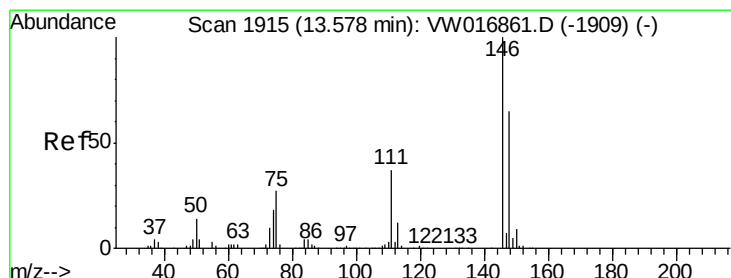
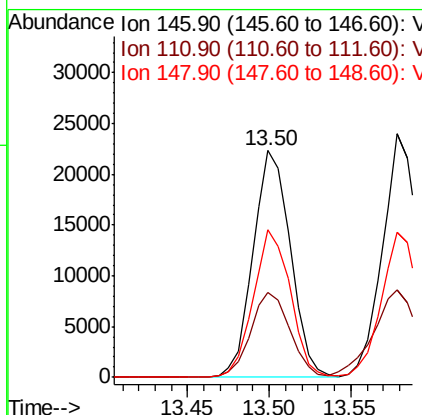
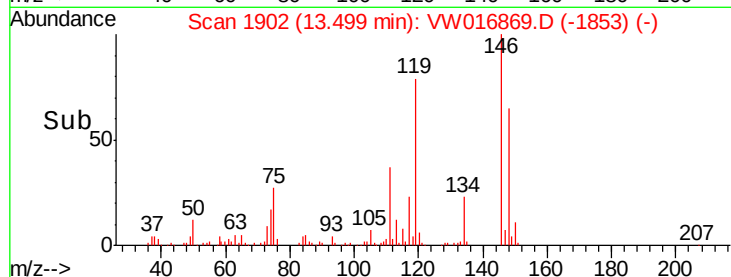
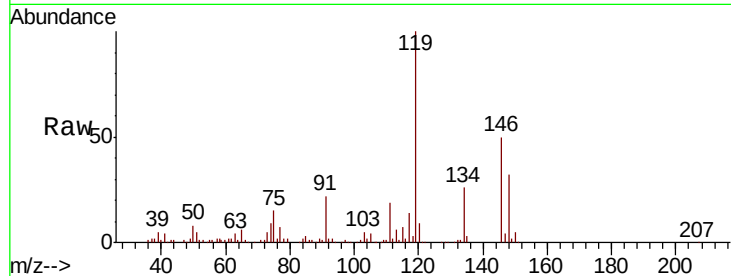




#87
 1,3-Dichlorobenzene
 Concen: 4.324 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

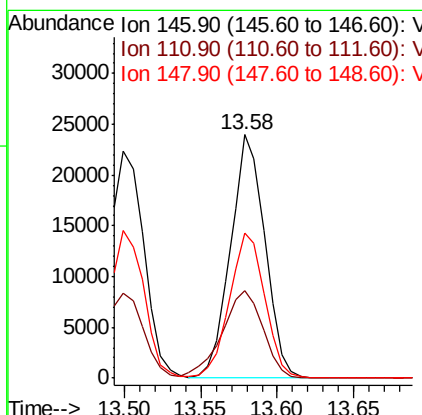
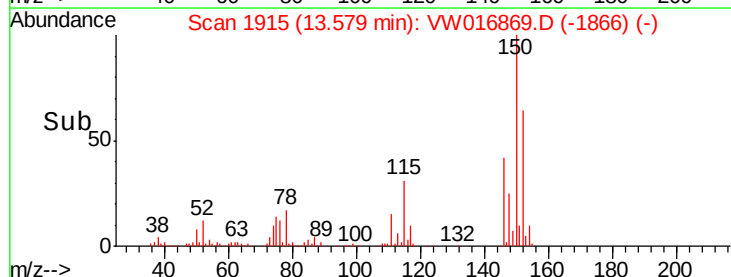
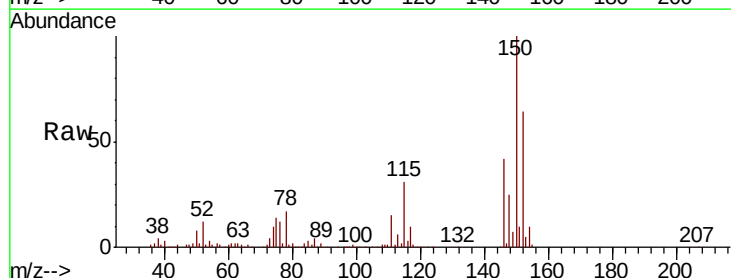
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

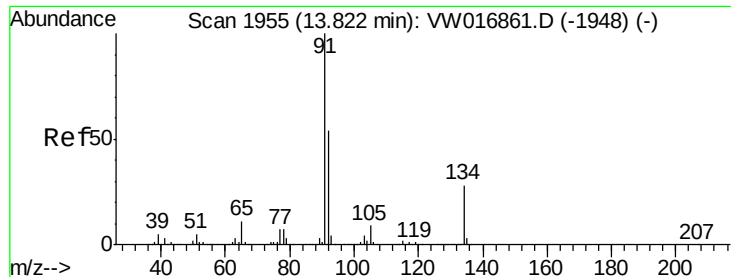
Tot Ion:146 Resp: 35583
 Ion Ratio Lower Upper
 146 100
 111 39.1 19.1 57.5
 148 64.5 32.5 97.4



#88
 1,4-Dichlorobenzene
 Concen: 4.601 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion:146 Resp: 37312
 Ion Ratio Lower Upper
 146 100
 111 43.0 18.5 55.5
 148 61.4 31.8 95.4





#89

n-Butylbenzene

Concen: 3.928 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW016869.D

Acq: 09 Oct 2020 19:18

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2020

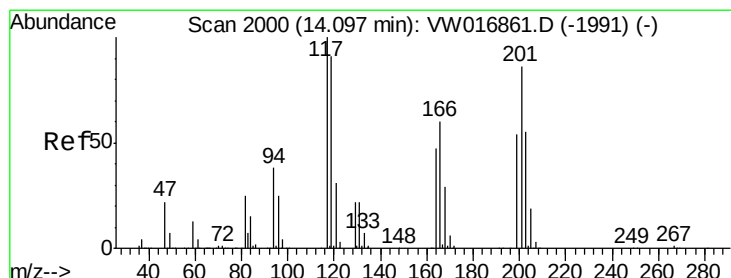
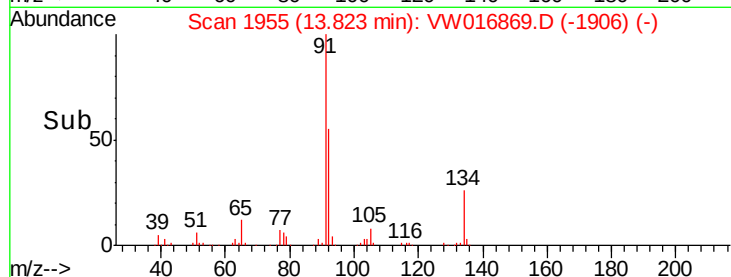
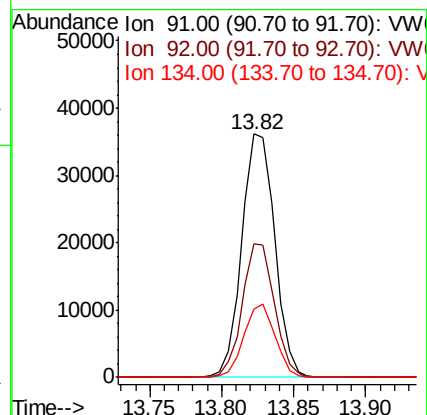
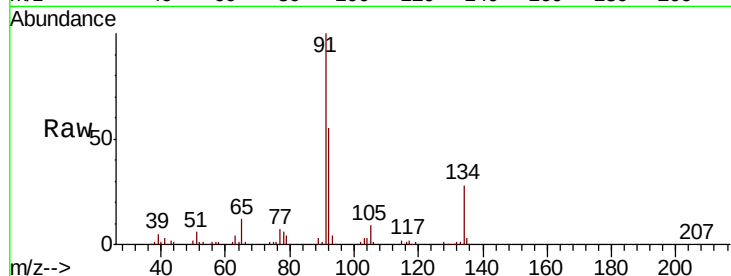
Tot Ion: 91 Resp: 57474

Ion Ratio Lower Upper

91 100

92 53.4 26.6 79.7

134 28.6 14.3 42.9



#90

Hexachloroethane

Concen: 3.972 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW016869.D

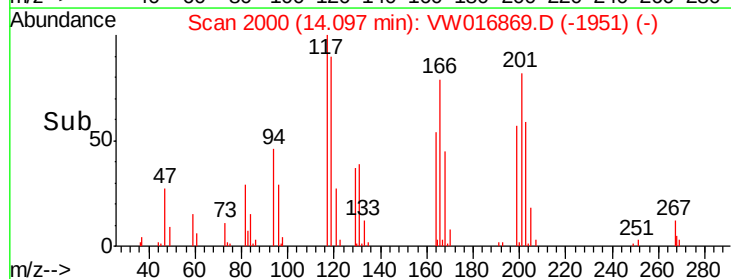
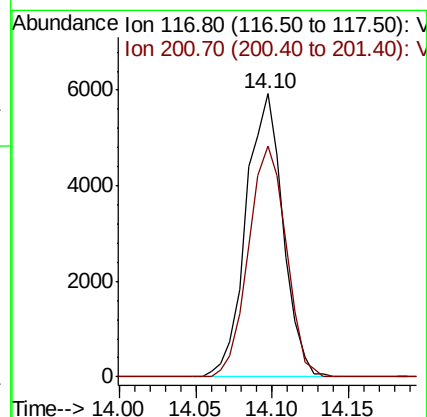
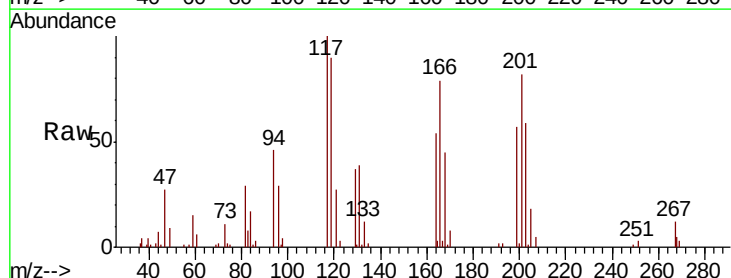
Acq: 09 Oct 2020 19:18

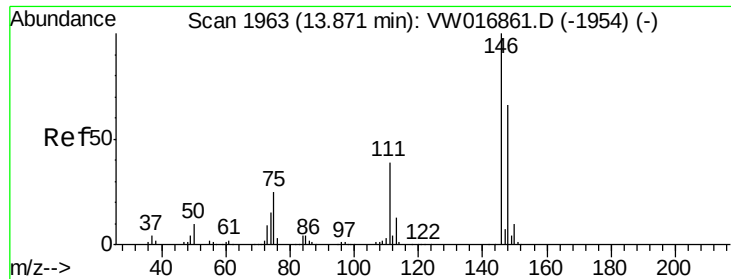
Tgt Ion: 117 Resp: 9953

Ion Ratio Lower Upper

117 100

201 83.0 41.9 125.7

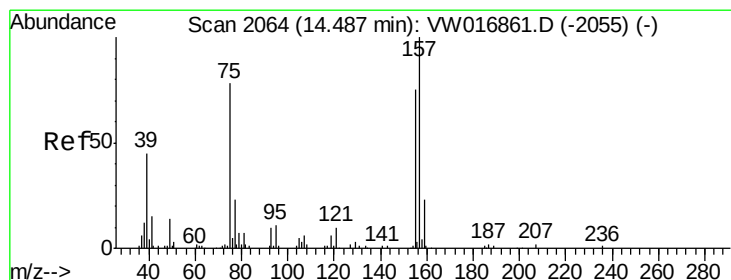
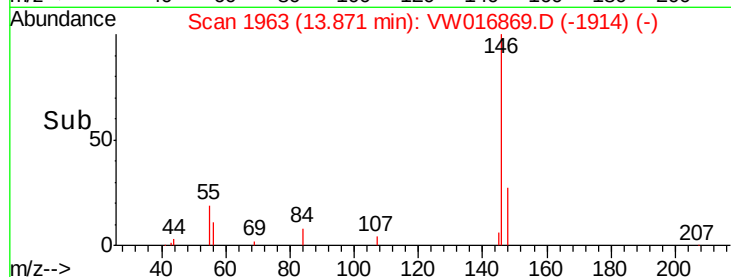
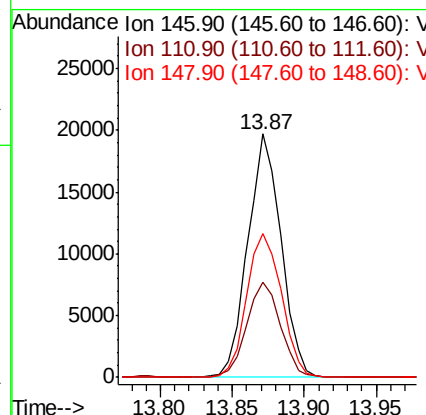
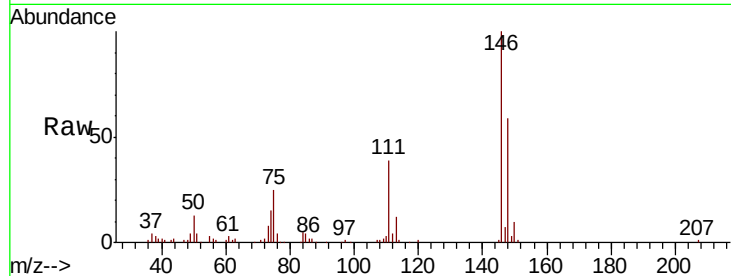




#91
 1,2-Dichlorobenzene
 Concen: 4.421 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

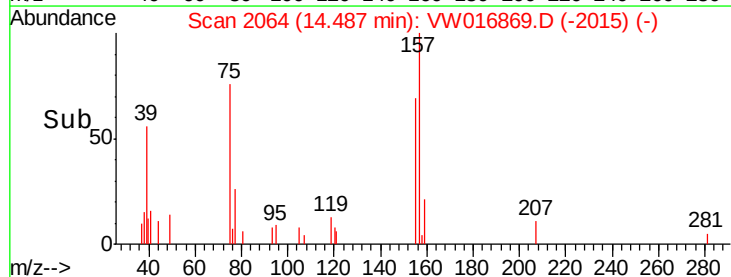
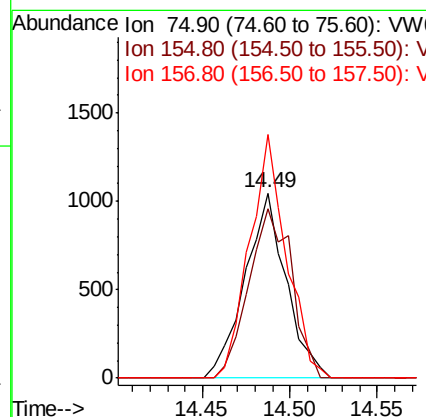
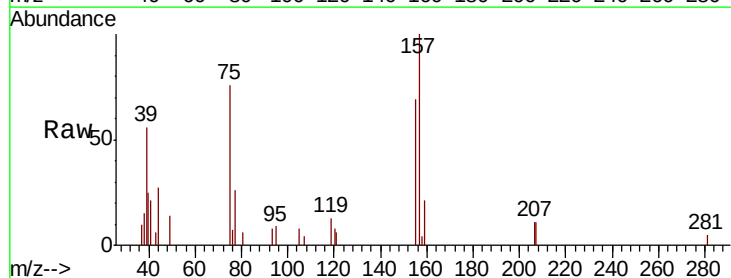
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

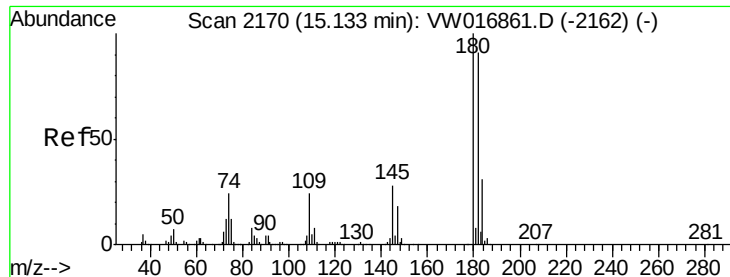
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.9	20.1	60.3
148	61.9	33.1	99.3



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.151 ug/l
 RT: 14.49 min Scan# 2064
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.2	47.6	142.8
157	118.1	62.2	186.6

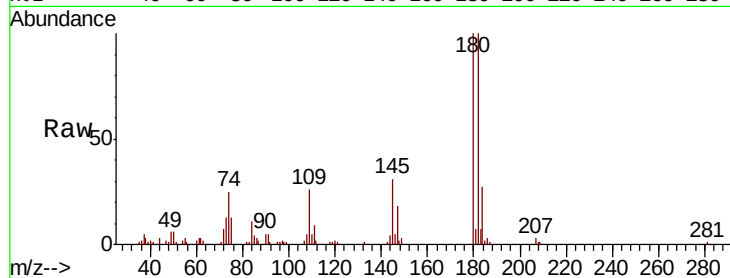




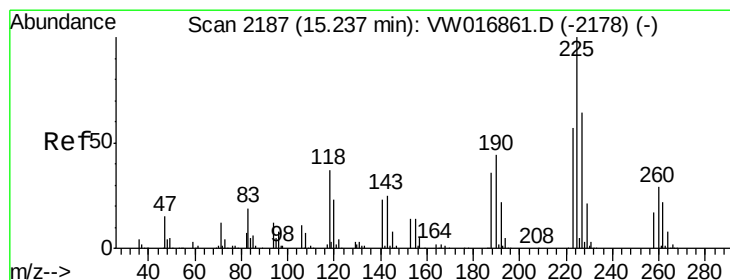
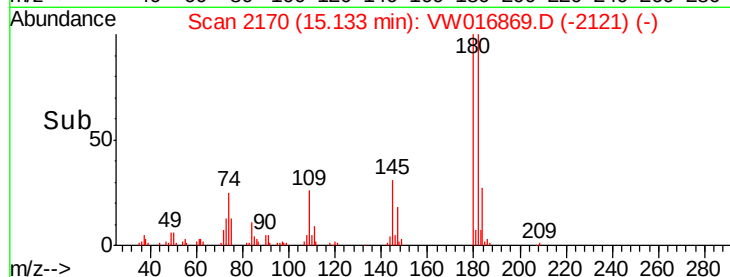
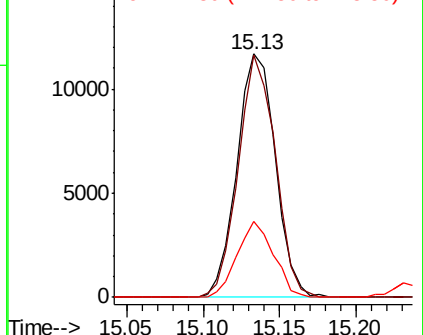
#93
 1,2,4-Trichlorobenzene
 Concen: 4.164 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2020

Tot Ion:180 Resp: 20400
 Ion Ratio Lower Upper
 180 100
 182 95.7 48.3 144.9
 145 29.3 14.9 44.5

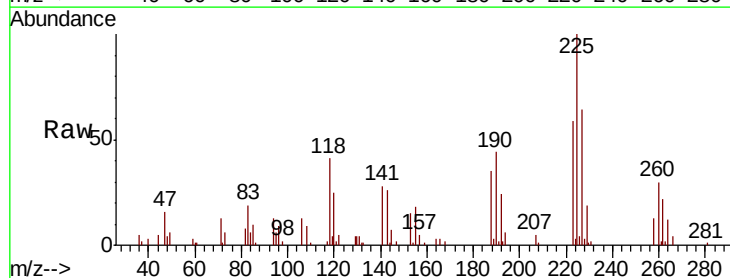


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

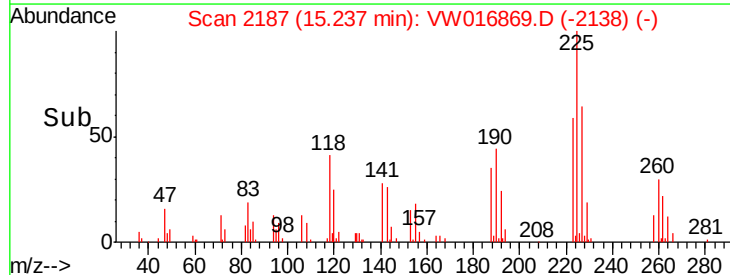
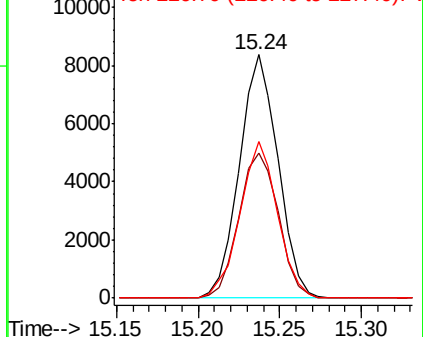


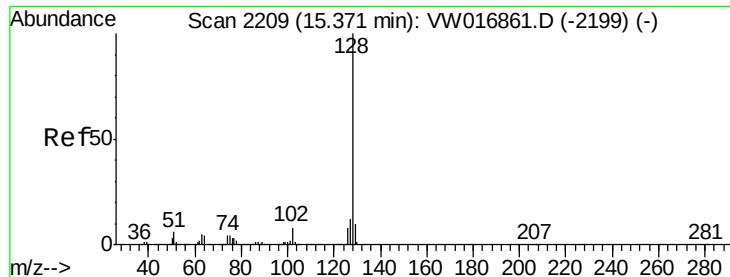
#94
 Hexachlorobutadiene
 Concen: 4.337 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. 0.00 min
 Lab File: VW016869.D
 Acq: 09 Oct 2020 19:18

Tgt Ion:225 Resp: 13773
 Ion Ratio Lower Upper
 225 100
 223 61.1 31.9 95.7
 227 62.7 33.0 99.0



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

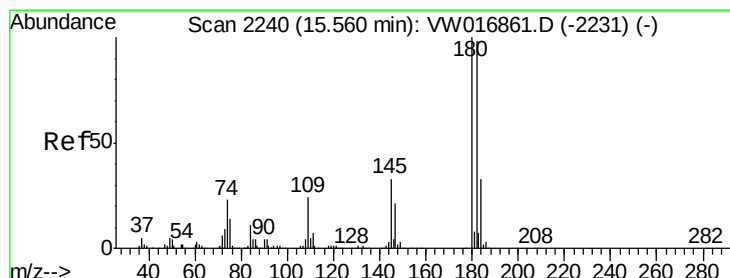
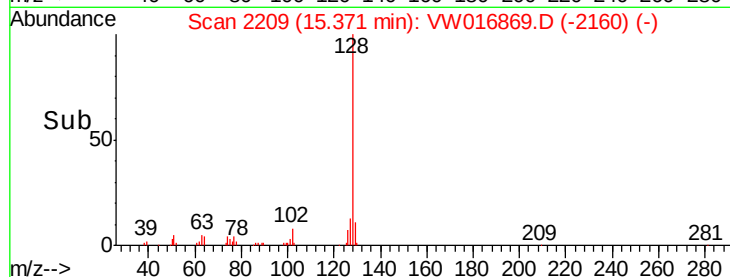
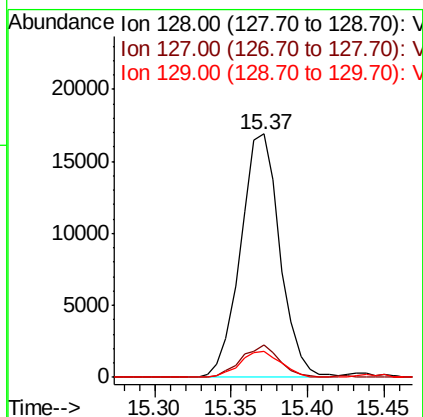
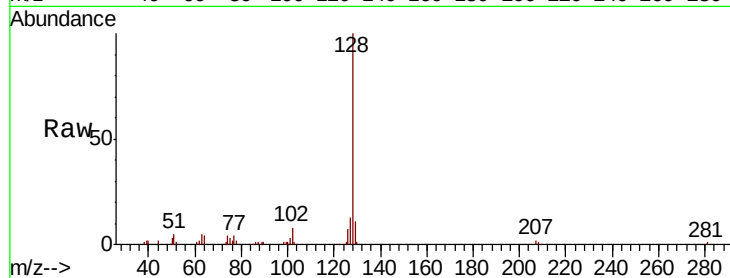




#95
Naphthalene
Concen: 3.793 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2020

Tot Ion:128 Resp: 30199
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 11.2 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 4.035 ug/l
RT: 15.56 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VW016869.D
Acq: 09 Oct 2020 19:18

Tgt Ion:180 Resp: 17195
Ion Ratio Lower Upper
180 100
182 101.3 49.4 148.2
145 33.1 16.3 48.9

