

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070720\
 Data File : VW015797.D
 Acq On : 07 Jul 2020 18:05
 Operator : SY/VA
 Sample : L3216-01 2.5PPBLOD
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

Quant Time: Jul 08 09:11:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:28:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	208937	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	338977	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	307420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	147832	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.31	65	107931	50.16	ug/l	0.00
Spiked Amount			Recovery	=	100.32%	
35) Dibromofluoromethane	7.89	113	93283	47.17	ug/l	0.00
Spiked Amount			Recovery	=	94.34%	
50) Toluene-d8	10.32	98	350965	46.20	ug/l	0.00
Spiked Amount			Recovery	=	92.40%	
62) 4-Bromofluorobenzene	12.62	95	129398	46.42	ug/l	0.00
Spiked Amount			Recovery	=	92.84%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	2959	2.689	ug/l	91
3) Chloromethane	2.21	50	5229	3.499	ug/l	98
4) Vinyl Chloride	2.36	62	6849	2.968	ug/l	99
5) Bromomethane	2.78	94	5310	3.008	ug/l	92
6) Chloroethane	2.93	64	4591	2.948	ug/l	94
7) Trichlorofluoromethane	3.26	101	4378	2.640	ug/l	89
8) Diethyl Ether	3.68	74	3230	3.126	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	4.07	101	5930	3.055	ug/l	96
10) Methyl Iodide	4.28	142	7722	2.845	ug/l	96
11) Tert butyl alcohol	5.17	59	3987	33.185	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	5668	2.970	ug/l	97
13) Acrolein	3.90	56	2196	14.713	ug/l	94
14) Allyl chloride	4.67	41	8791	2.834	ug/l	99
15) Acrylonitrile	5.37	53	7074	17.511	ug/l	98
16) Acetone	4.13	43	8643	21.469	ug/l	94
17) Carbon Disulfide	4.38	76	15260	2.688	ug/l	97
18) Methyl Acetate	4.68	43	3743	4.086	ug/l	94
19) Methyl tert-butyl Ether	5.43	73	9409	3.294	ug/l	99
20) Methylene Chloride	4.92	84	19346	8.275	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	6221	2.814	ug/l	96
22) Diisopropyl ether	6.32	45	17739	2.838	ug/l #	88
23) Vinyl Acetate	6.26	43	50366	13.546	ug/l	99
24) 1,1-Dichloroethane	6.23	63	11424	2.887	ug/l	98
25) 2-Butanone	7.18	43	10187	18.642	ug/l	100
26) 2,2-Dichloropropane	7.17	77	8593	3.461	ug/l	91
27) cis-1,2-Dichloroethene	7.17	96	6995	2.947	ug/l	89
28) Bromochloromethane	7.51	49	4392	2.799	ug/l	98
29) Tetrahydrofuran	7.54	42	5605	16.903	ug/l	97
30) Chloroform	7.68	83	11341	2.803	ug/l	96
31) Cyclohexane	7.96	56	14946	4.013	ug/l #	80
32) 1,1,1-Trichloroethane	7.87	97	9601	2.830	ug/l	98
36) 1,1-Dichloropropene	8.09	75	9316	2.788	ug/l	99
37) Ethyl Acetate	7.26	43	3802	2.928	ug/l	97
38) Carbon Tetrachloride	8.07	117	8805	2.723	ug/l	93

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	11017	2.794	ug/l	97
40) Benzene	8.32	78	25952	2.835	ug/l	99
41) Methacrylonitrile	7.48	41	2061	2.796	ug/l	95
42) 1,2-Dichloroethane	8.40	62	8812	3.093	ug/l	99
43) Isopropyl Acetate	8.43	43	7958	3.140	ug/l	98
44) Trichloroethene	9.10	130	6867	2.836	ug/l	100
45) 1,2-Dichloropropane	9.37	63	6334	2.815	ug/l	98
46) Dibromomethane	9.46	93	3546	3.061	ug/l	92
47) Bromodichloromethane	9.65	83	8024	2.678	ug/l	99
48) Methyl methacrylate	9.45	41	3436	2.958	ug/l	95
49) 1,4-Dioxane	9.45	88	848	59.216	ug/l #	79
51) 4-Methyl-2-Pentanone	10.21	43	18341	14.830	ug/l	99
52) Toluene	10.39	92	16770	2.847	ug/l	99
53) t-1,3-Dichloropropene	10.61	75	7154	2.489	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	8794	2.557	ug/l	97
55) 1,1,2-Trichloroethane	10.79	97	4946	3.079	ug/l	93
56) Ethyl methacrylate	10.65	69	5429	2.749	ug/l	96
57) 1,3-Dichloropropane	10.94	76	8606	3.027	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.93	63	11650	12.074	ug/l	98
59) 2-Hexanone	10.98	43	12335	14.946	ug/l	96
60) Dibromochloromethane	11.13	129	4808	2.592	ug/l	98
61) 1,2-Dibromoethane	11.24	107	4271	2.779	ug/l	100
64) Tetrachloroethene	10.87	164	5909	3.037	ug/l	85
65) Chlorobenzene	11.66	112	17812	2.963	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.73	131	5739	2.698	ug/l	96
67) Ethyl Benzene	11.73	91	31137	2.797	ug/l	96
68) m/p-Xylenes	11.84	106	22403	5.357	ug/l	98
69) o-Xylene	12.16	106	10062	2.636	ug/l	97
70) Styrene	12.18	104	16687	2.540	ug/l	99
71) Bromoform	12.35	173	2589	2.666	ug/l #	97
73) Isopropylbenzene	12.46	105	27825	2.672	ug/l	100
74) N-amyl acetate	12.27	43	5984	2.686	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.72	83	5637	3.257	ug/l	97
76) 1,2,3-Trichloropropane	12.77	75	4031m	3.103	ug/l	
77) Bromobenzene	12.75	156	6912	2.960	ug/l	99
78) n-propylbenzene	12.80	91	35777	2.830	ug/l	100
79) 2-Chlorotoluene	12.89	91	21065	2.922	ug/l	98
80) 1,3,5-Trimethylbenzene	12.94	105	23929	2.696	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.52	75	1104m	2.172	ug/l	
82) 4-Chlorotoluene	12.99	91	21763	2.891	ug/l	98
83) tert-Butylbenzene	13.21	119	19752	2.680	ug/l	97
84) 1,2,4-Trimethylbenzene	13.26	105	24064	2.715	ug/l	97
85) sec-Butylbenzene	13.38	105	29604	2.782	ug/l	100
86) p-Isopropyltoluene	13.50	119	25846	2.660	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	13798	2.948	ug/l	98
88) 1,4-Dichlorobenzene	13.58	146	14081	3.073	ug/l	89
89) n-Butylbenzene	13.83	91	24541	2.639	ug/l	98
90) Hexachloroethane	14.10	117	4712	2.675	ug/l	98
91) 1,2-Dichlorobenzene	13.87	146	12034	2.967	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.49	75	877	3.172	ug/l	93

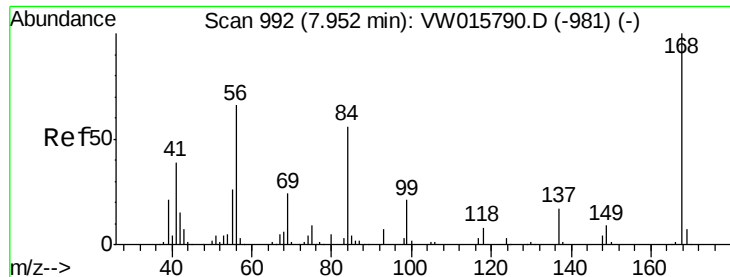
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	6970	2.726	ug/l	96
94) Hexachlorobutadiene	15.24	225	4685	2.886	ug/l	97
95) Naphthalene	15.37	128	11091	2.595	ug/l	98
96) 1,2,3-Trichlorobenzene	15.55	180	6189	2.845	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: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

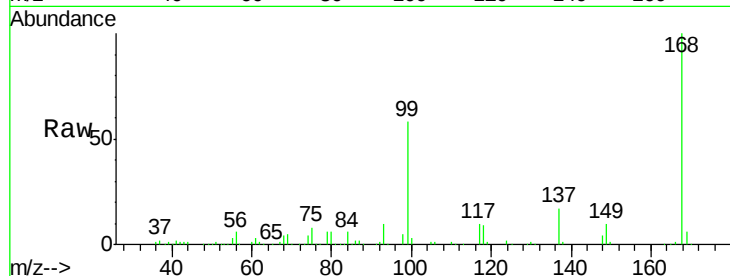
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:168 Resp: 208937

Ion Ratio Lower Upper

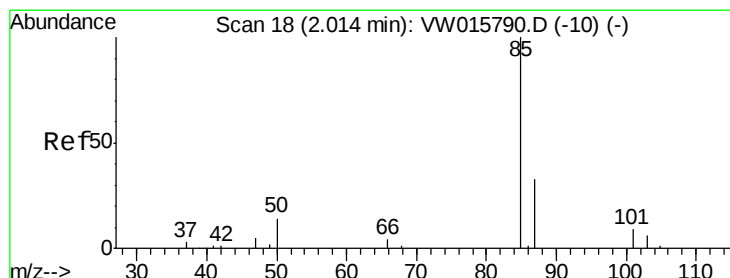
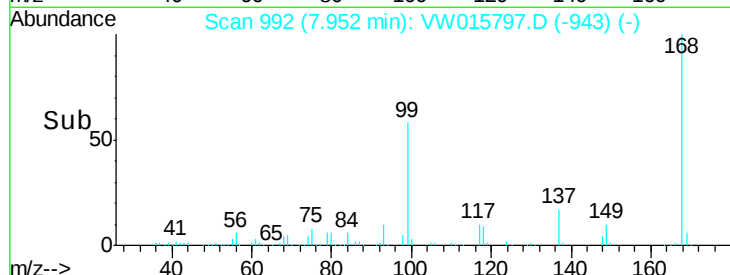
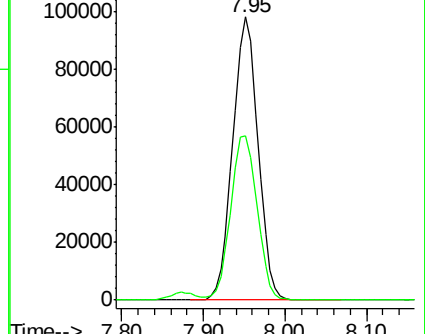
168 100

99 58.0 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW



#2

Dichlorodifluoromethane

Concen: 2.689 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015797.D

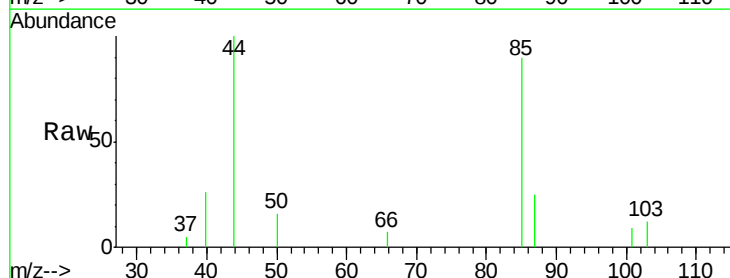
Acq: 07 Jul 2020 18:05

Tgt Ion: 85 Resp: 2959

Ion Ratio Lower Upper

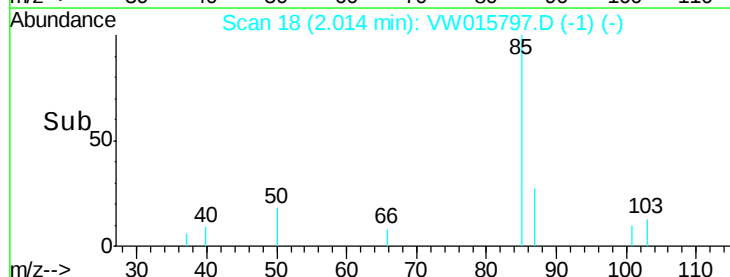
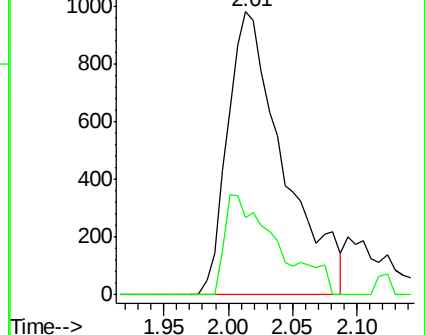
85 100

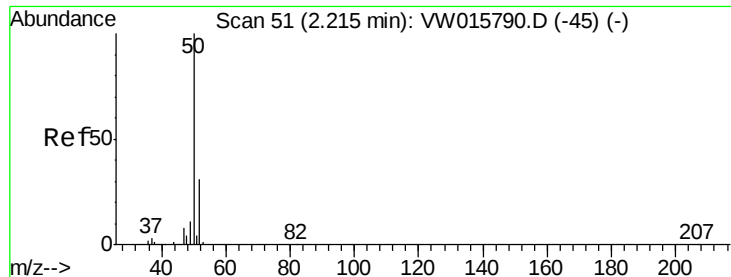
87 27.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW





#3

Chloromethane

Concen: 3.499 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

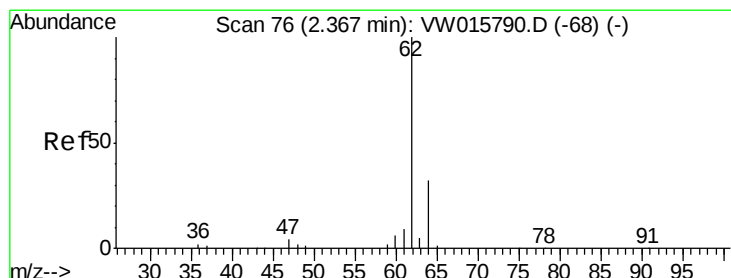
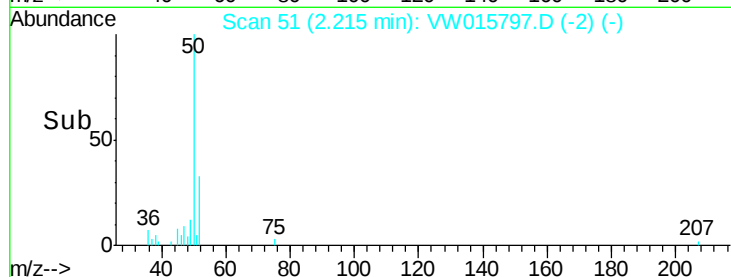
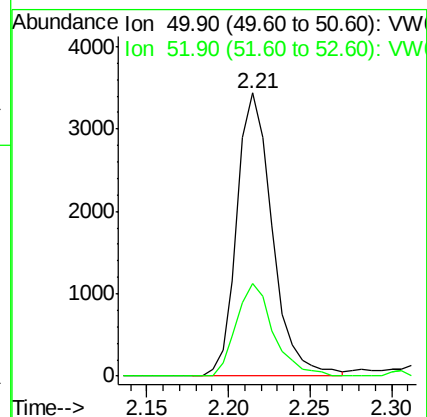
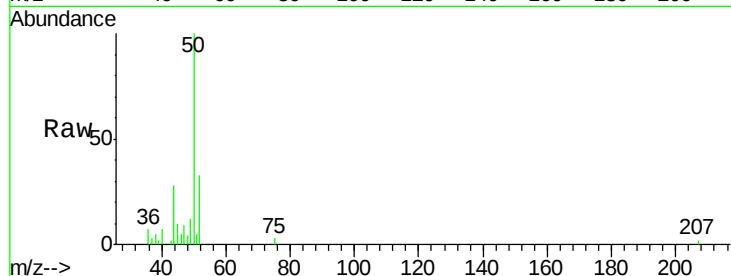
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 50 Resp: 5229

Ion Ratio Lower Upper

50 100

52 32.7 25.2 37.8



#4

Vinyl Chloride

Concen: 2.968 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015797.D

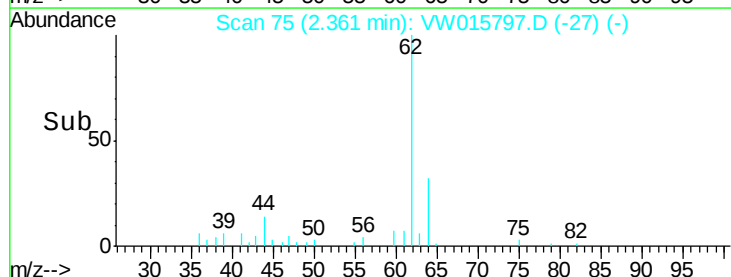
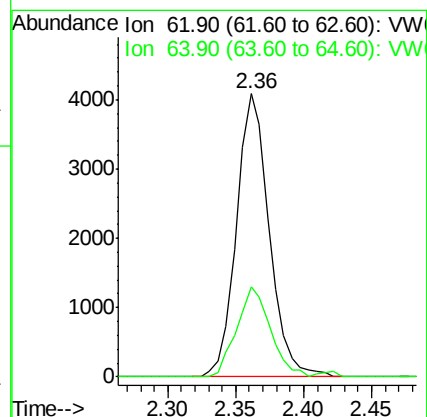
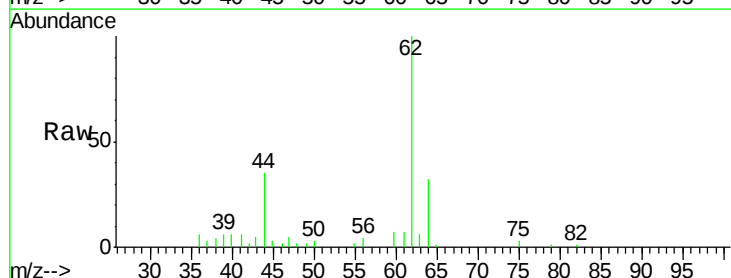
Acq: 07 Jul 2020 18:05

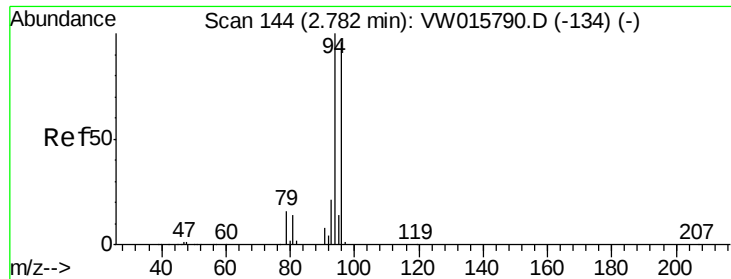
Tgt Ion: 62 Resp: 6849

Ion Ratio Lower Upper

62 100

64 31.8 25.8 38.8





#5

Bromomethane

Concen: 3.008 ug/l

RT: 2.78 min Scan# 144

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

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ClientSampleId :

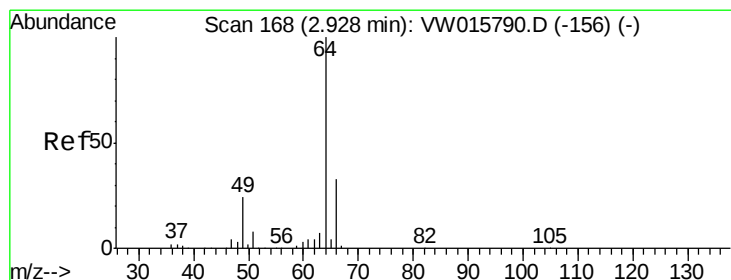
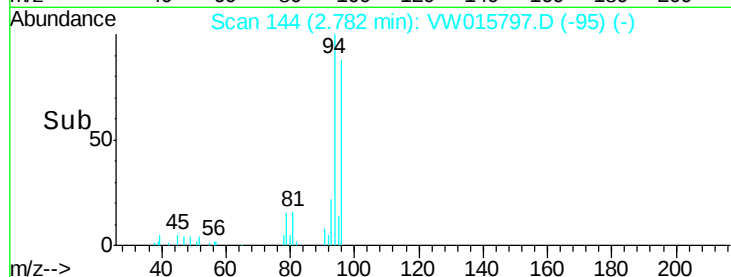
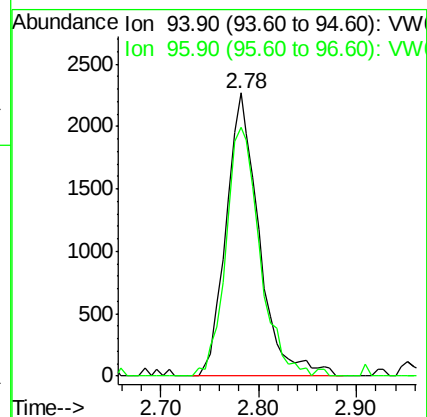
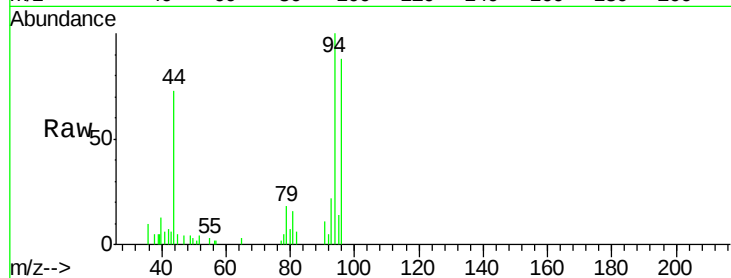
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 94 Resp: 5310

Ion Ratio Lower Upper

94 100

96 87.8 76.7 115.1



#6

Chloroethane

Concen: 2.948 ug/l

RT: 2.93 min Scan# 169

Delta R.T. 0.01 min

Lab File: VW015797.D

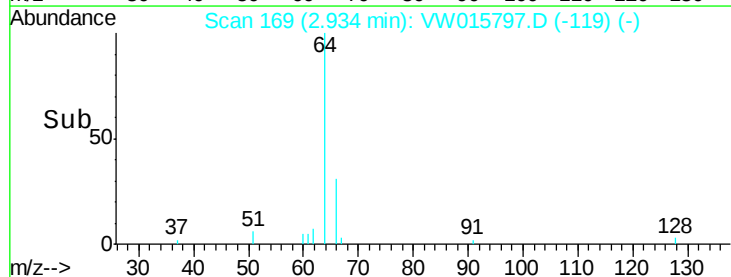
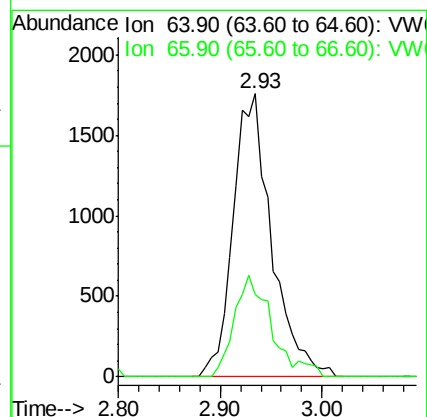
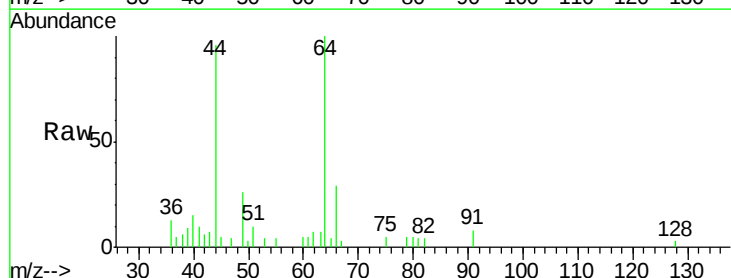
Acq: 07 Jul 2020 18:05

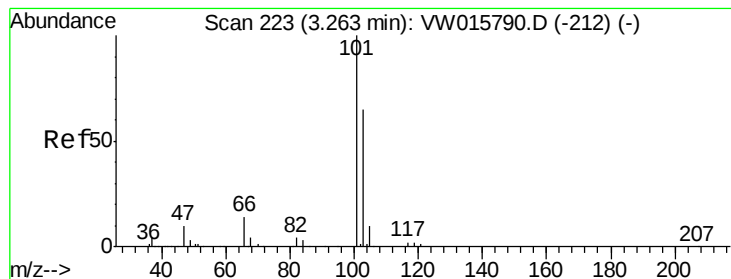
Tgt Ion: 64 Resp: 4591

Ion Ratio Lower Upper

64 100

66 29.2 26.0 39.0



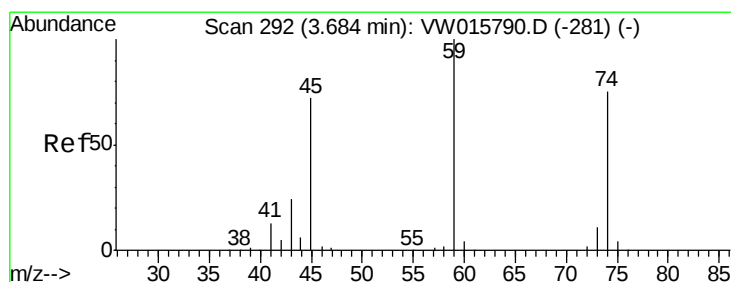
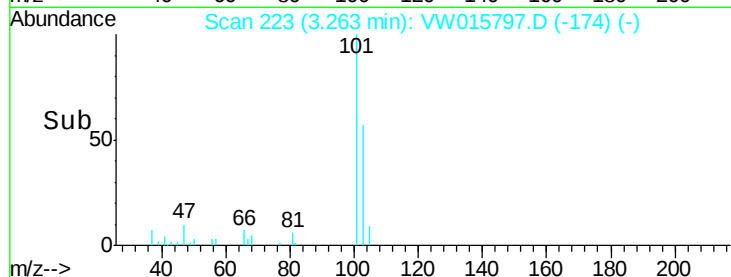
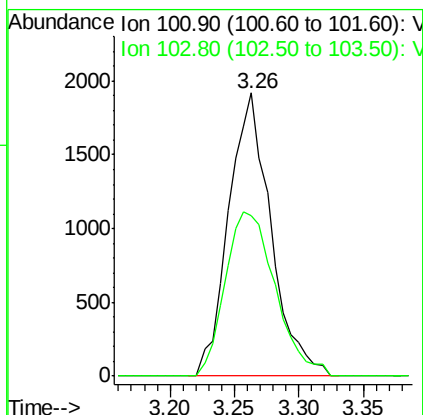
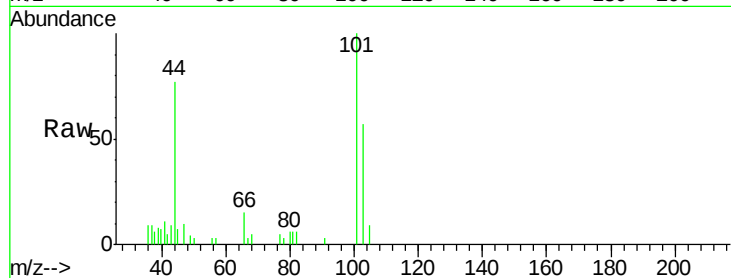


#7

Trichlorofluoromethane
 Concen: 2.640 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

Instrument :
 MSVOA_W
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 LOD-MDL-SOIL-01-QT3-2020

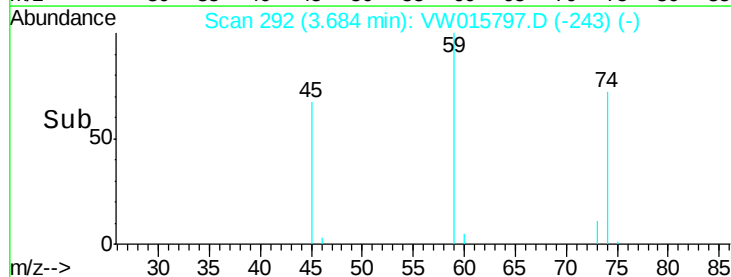
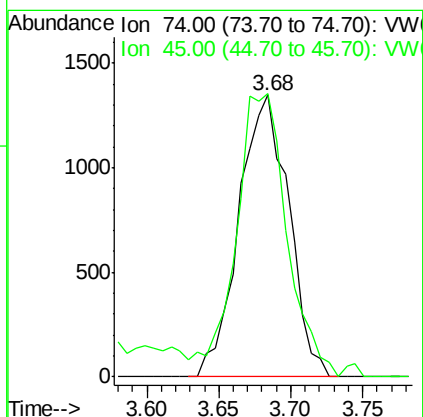
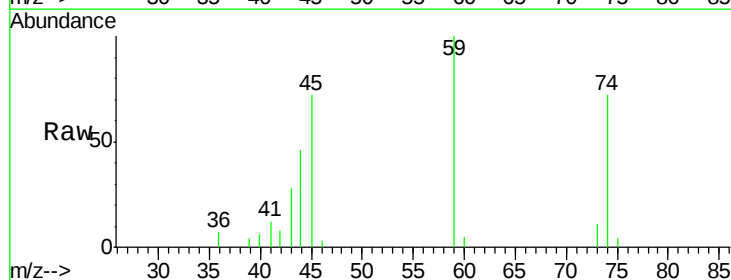
Tot Ion:101 Resp: 4378
 Ion Ratio Lower Upper
 101 100
 103 56.7 52.2 78.4

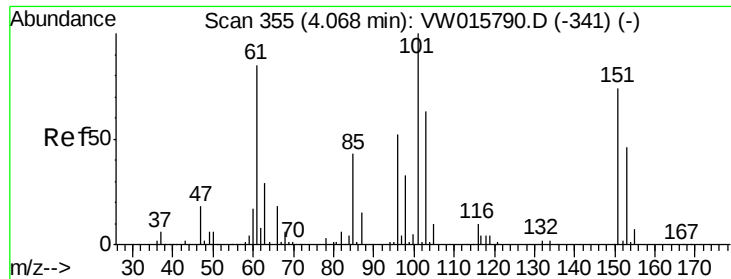


#8

Diethyl Ether
 Concen: 3.126 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

Tgt Ion: 74 Resp: 3230
 Ion Ratio Lower Upper
 74 100
 45 102.9 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 3.055 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

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ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

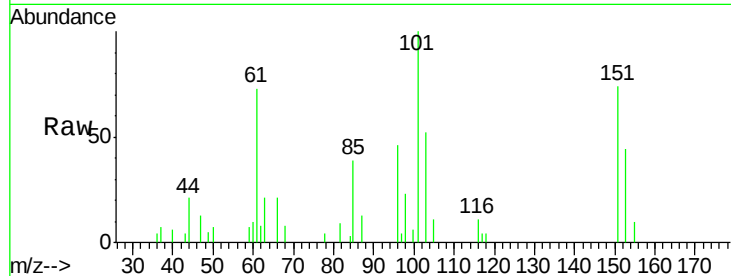
Tot Ion:101 Resp: 5930

Ion Ratio Lower Upper

101 100

85 42.4 36.1 54.1

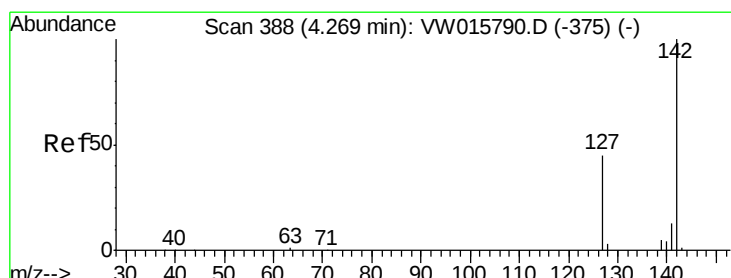
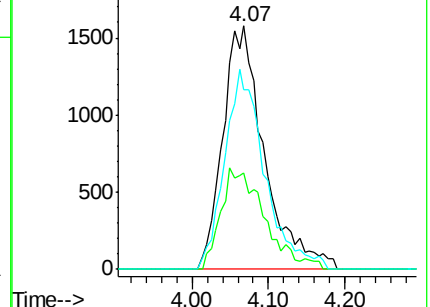
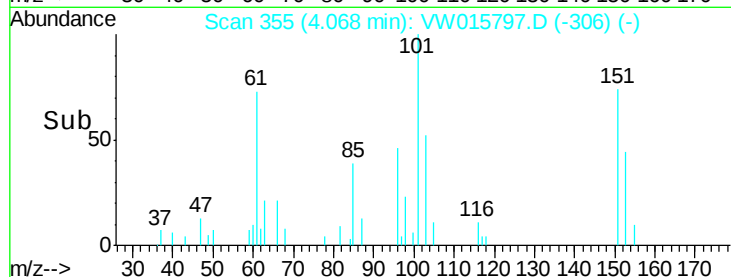
151 79.4 60.3 90.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 2.845 ug/l

RT: 4.28 min Scan# 389

Delta R.T. 0.01 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

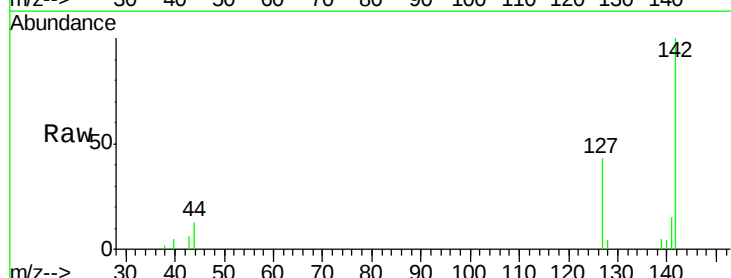
Tgt Ion:142 Resp: 7722

Ion Ratio Lower Upper

142 100

127 42.1 36.1 54.1

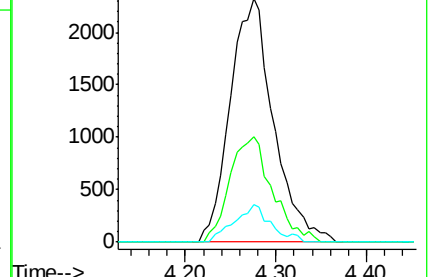
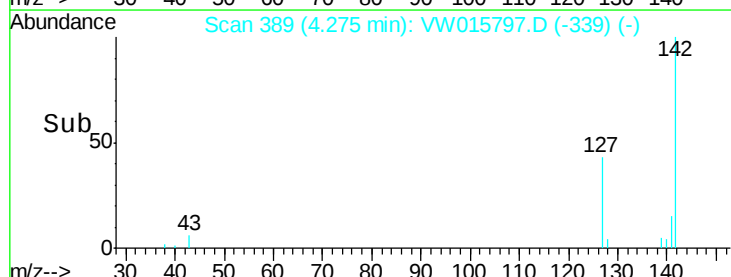
141 12.9 11.7 17.5

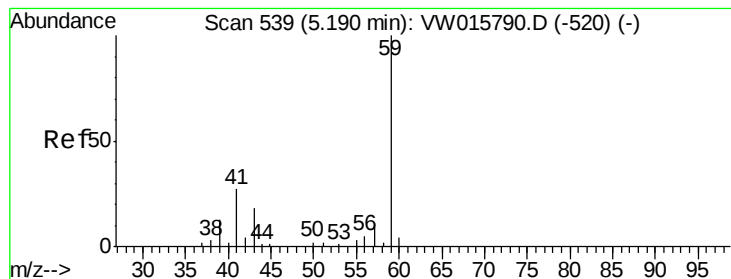


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



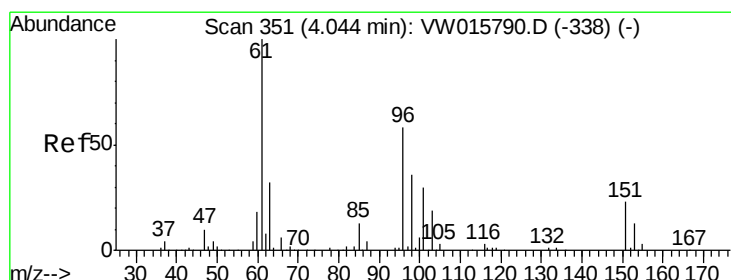
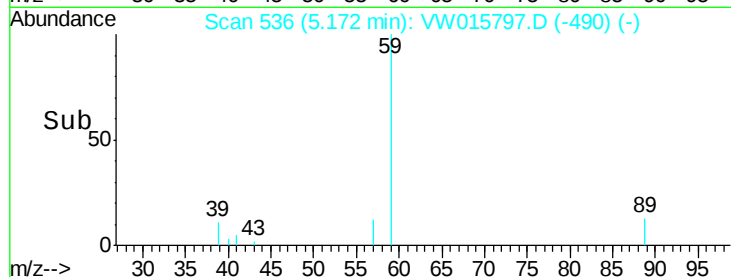
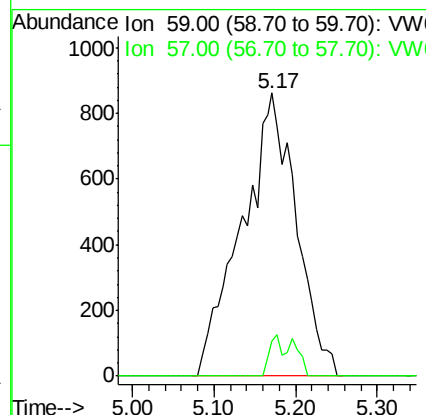
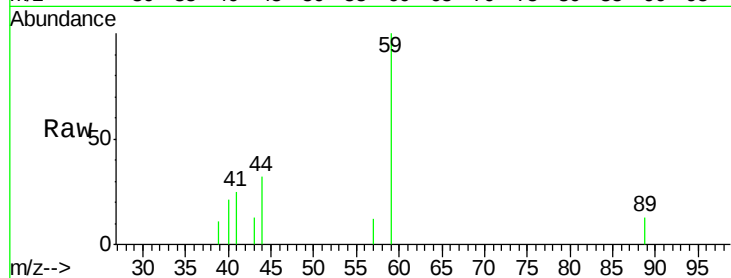


#11

Tert butyl alcohol
Concen: 33.185 ug/l
RT: 5.17 min Scan# 536
Delta R.T. -0.02 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

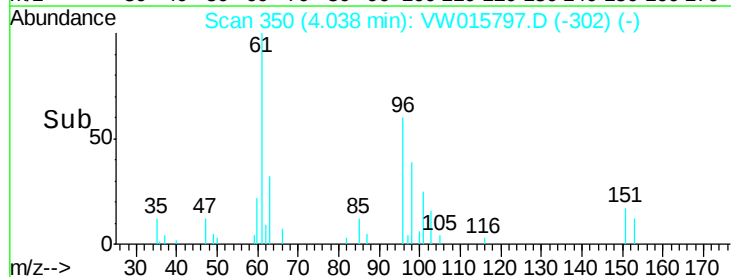
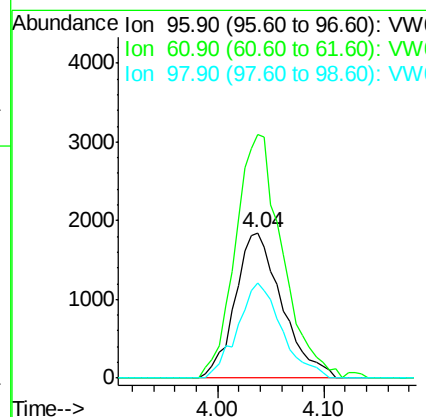
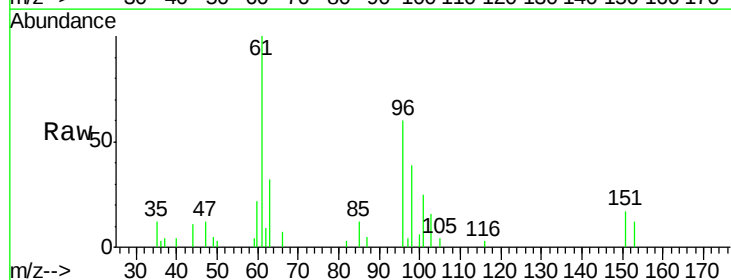
Tot Ion: 59 Resp: 3987
Ion Ratio Lower Upper
59 100
57 3.9 8.7 13.1#

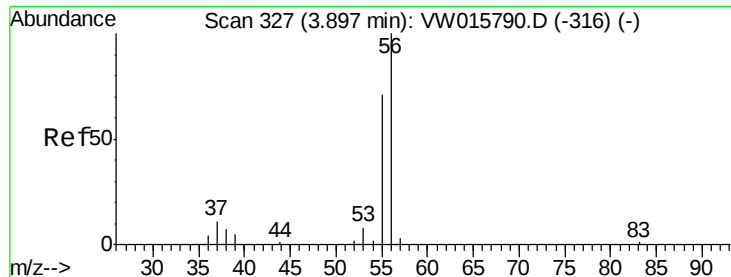


#12

1,1-Dichloroethene
Concen: 2.970 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion: 96 Resp: 5668
Ion Ratio Lower Upper
96 100
61 167.6 137.0 205.4
98 65.4 49.3 73.9





#13

Acrolein

Concen: 14.713 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

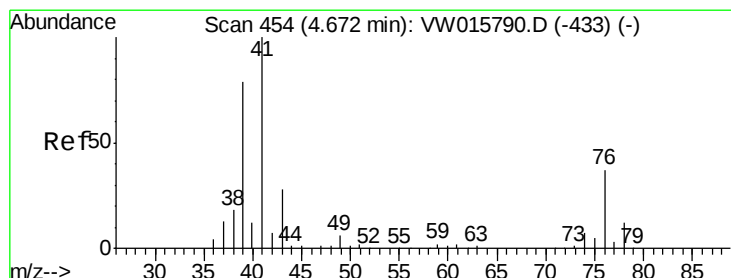
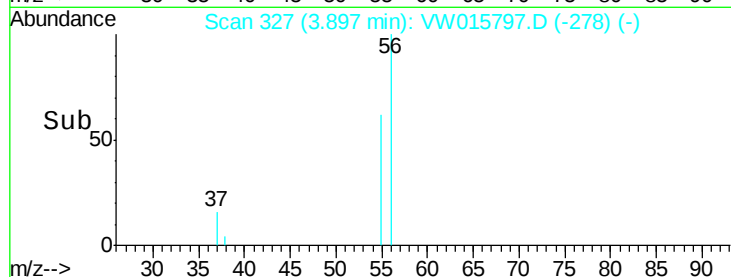
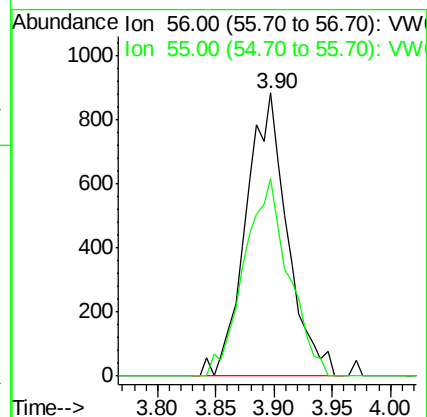
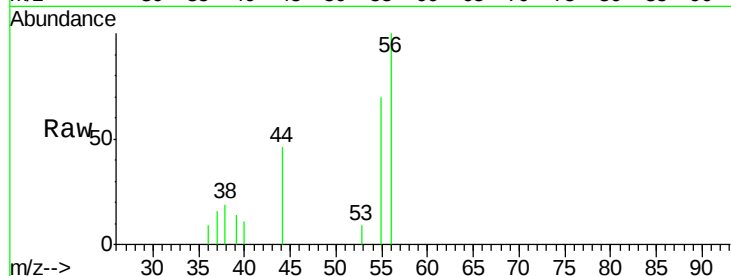
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 56 Resp: 2196

Ion Ratio Lower Upper

56 100

55 74.9 55.8 83.6



#14

Allyl chloride

Concen: 2.834 ug/l

RT: 4.67 min Scan# 453

Delta R.T. -0.01 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

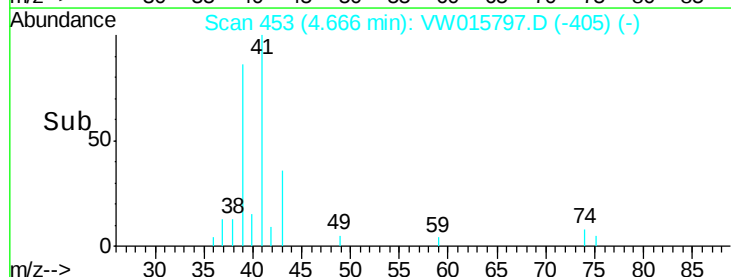
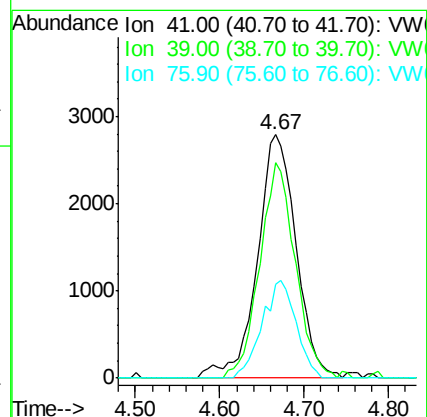
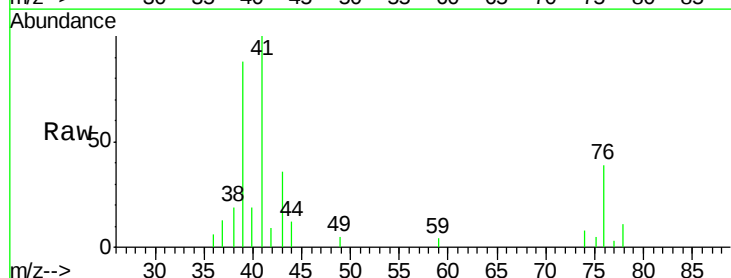
Tgt Ion: 41 Resp: 8791

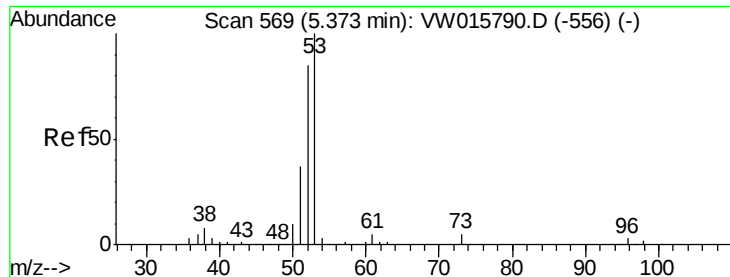
Ion Ratio Lower Upper

41 100

39 81.3 64.0 96.0

76 35.3 28.9 43.3





#15

Acrylonitrile

Concen: 17.511 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

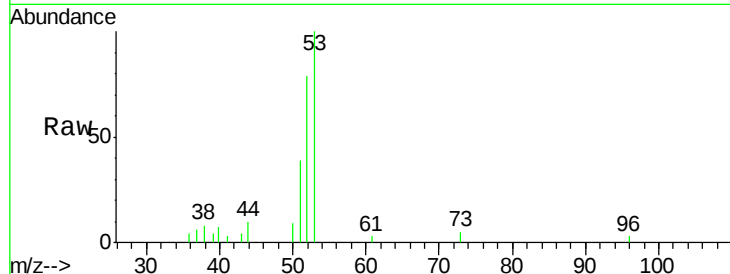
Tot Ion: 53 Resp: 7074

Ion Ratio Lower Upper

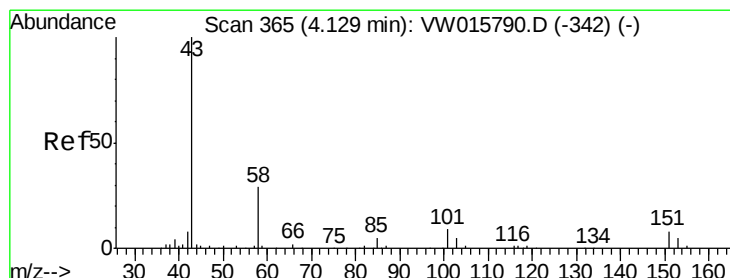
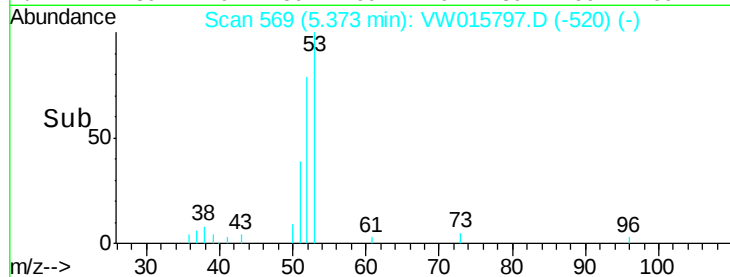
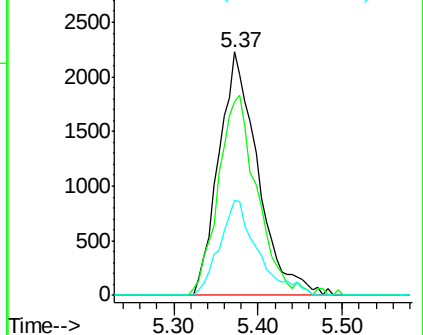
53 100

52 80.1 65.8 98.8

51 37.9 30.2 45.2



Abundance Ion 53.00 (52.70 to 53.70): VW
Ion 52.00 (51.70 to 52.70): VW
Ion 51.00 (50.70 to 51.70): VW



#16

Acetone

Concen: 21.469 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW015797.D

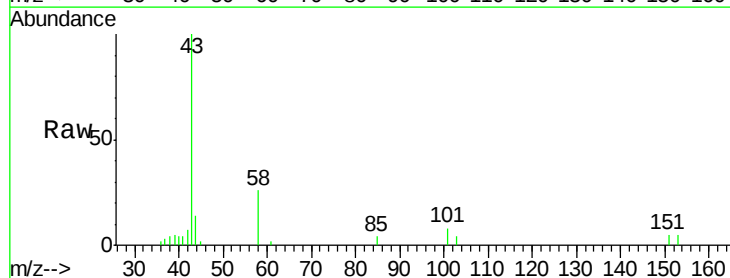
Acq: 07 Jul 2020 18:05

Tgt Ion: 43 Resp: 8643

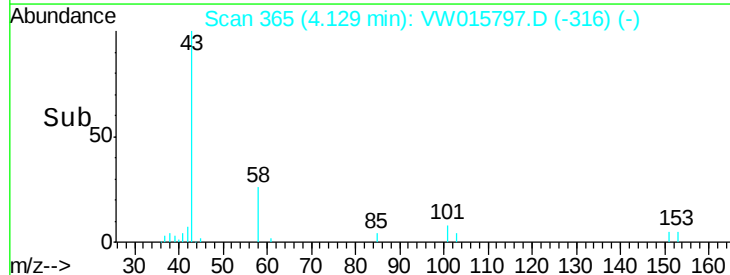
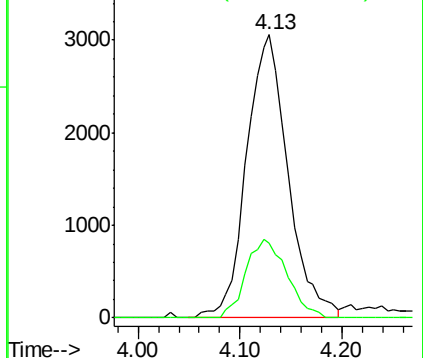
Ion Ratio Lower Upper

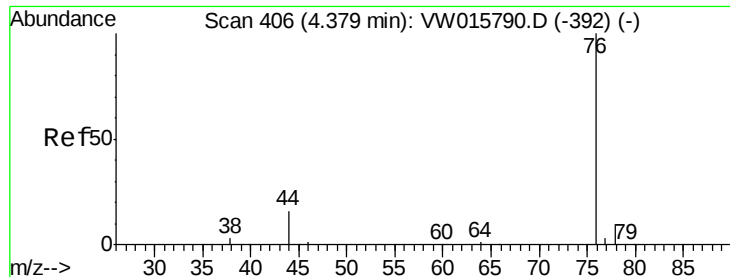
43 100

58 26.4 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

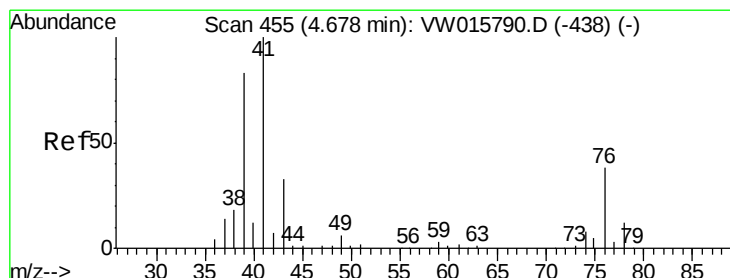
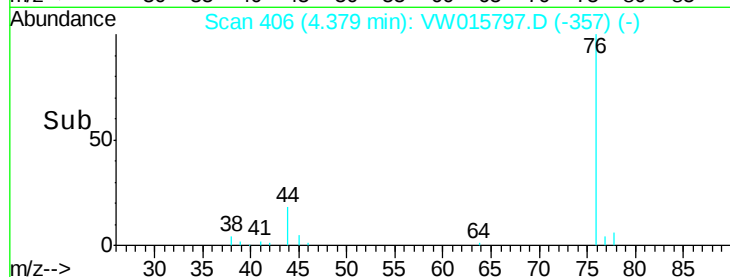
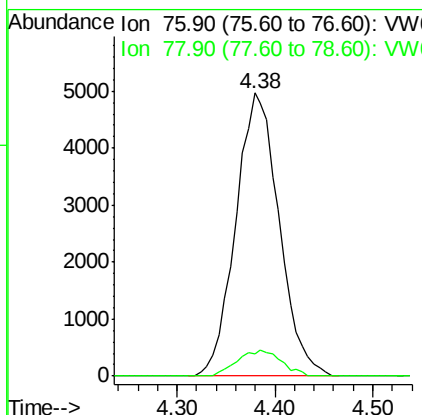
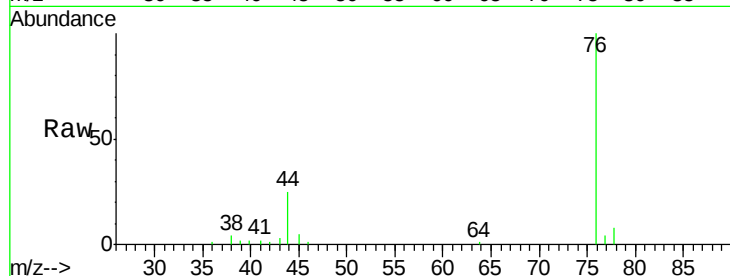




#17
Carbon Disulfide
Concen: 2.688 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

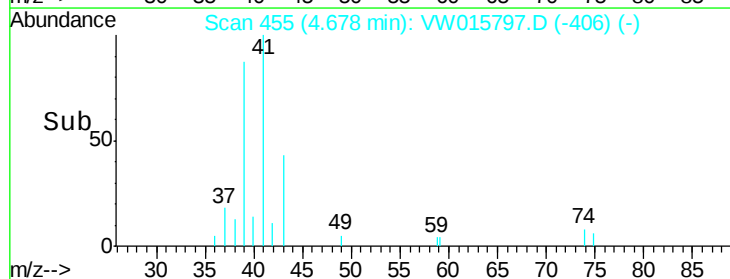
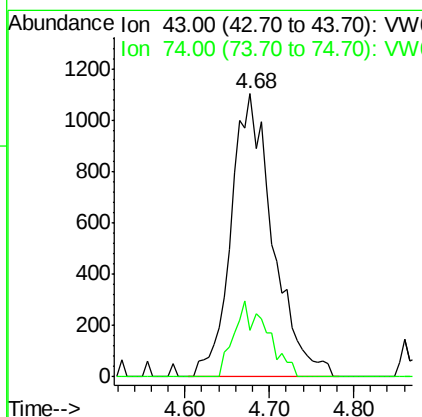
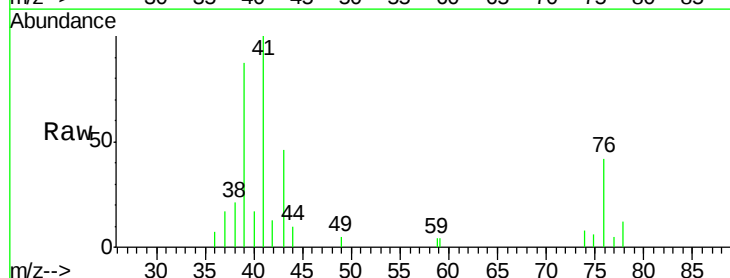
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

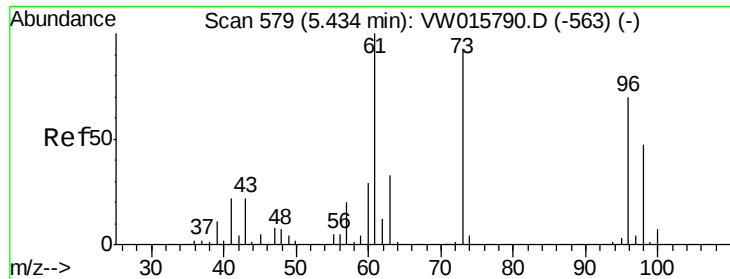
Tot Ion: 76 Resp: 15260
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.0



#18
Methyl Acetate
Concen: 4.086 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion: 43 Resp: 3743
Ion Ratio Lower Upper
43 100
74 21.1 19.2 28.8

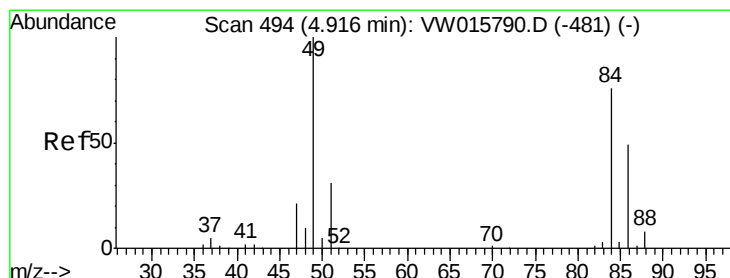
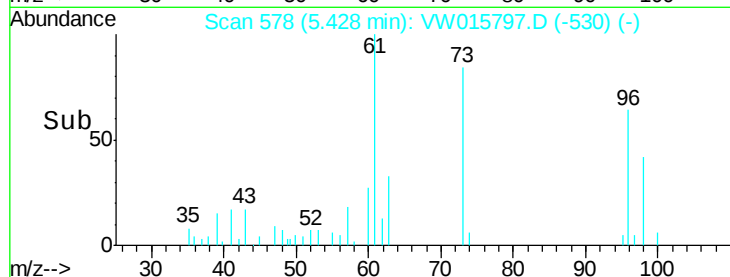
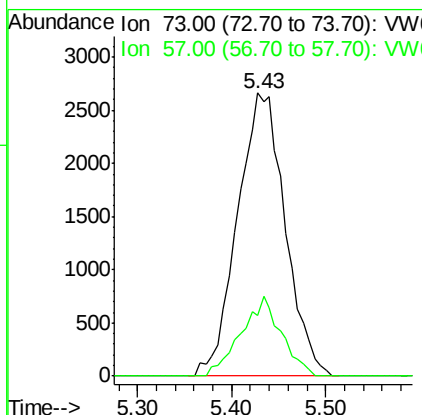
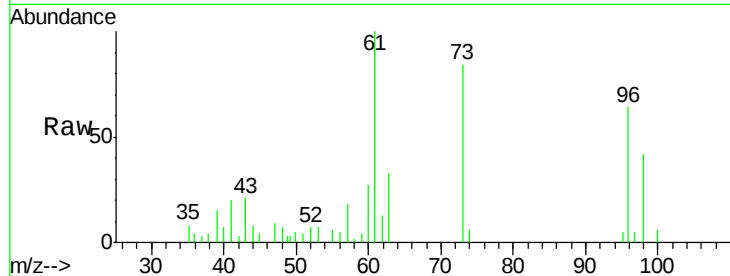




#19
Methyl tert-butyl Ether
Concen: 3.294 ug/l
RT: 5.43 min Scan# 578
Delta R.T. -0.01 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

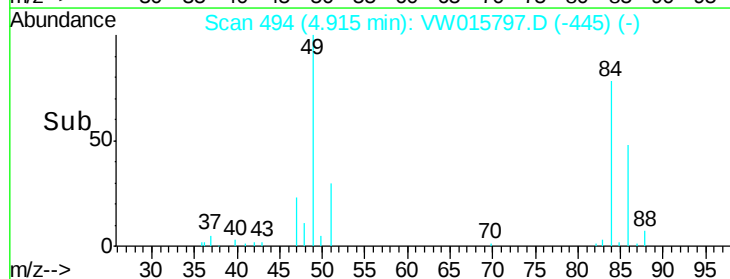
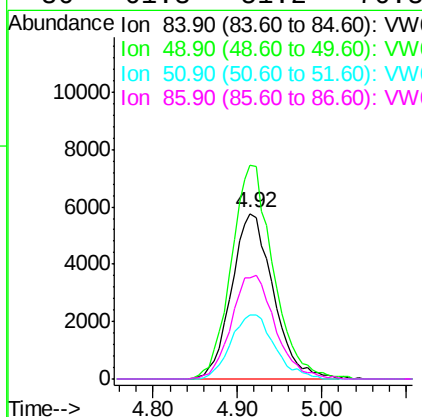
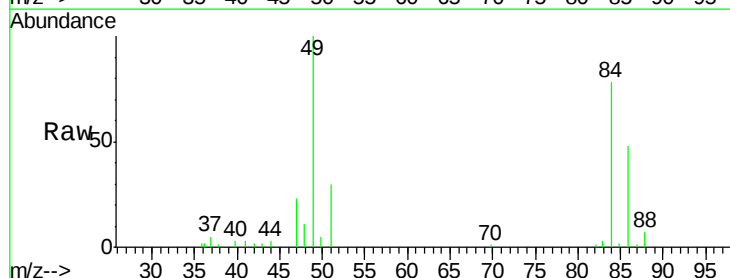
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

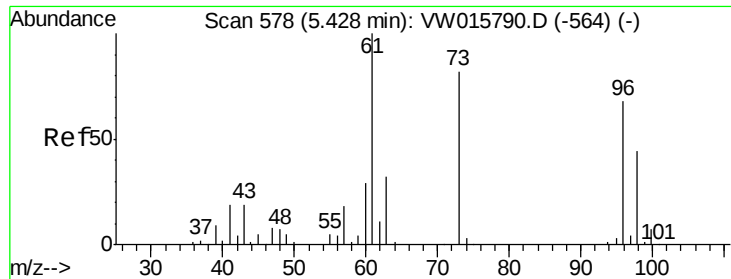
Tot Ion: 73 Resp: 9409
Ion Ratio Lower Upper
73 100
57 21.6 16.8 25.2



#20
Methylene Chloride
Concen: 8.275 ug/l
RT: 4.92 min Scan# 494
Delta R.T. 0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion: 84 Resp: 19346
Ion Ratio Lower Upper
84 100
49 129.0 105.0 157.6
51 38.8 32.3 48.5
86 61.3 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 2.814 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

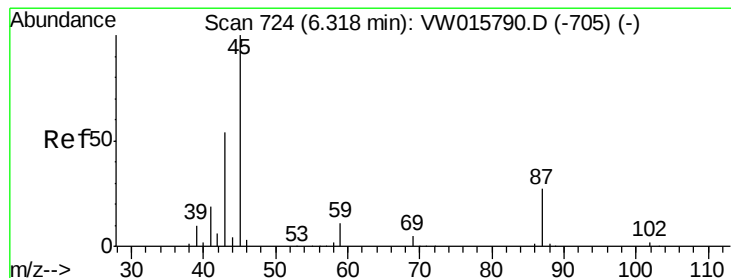
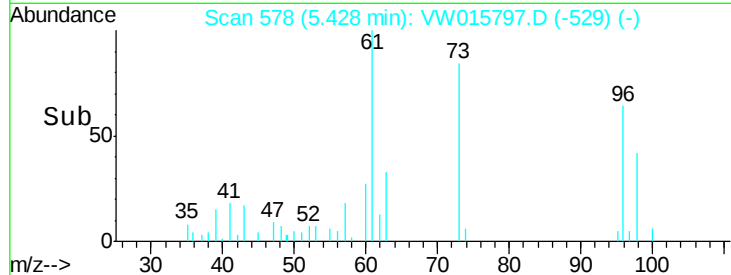
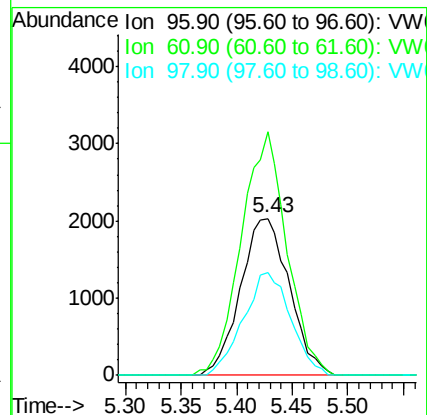
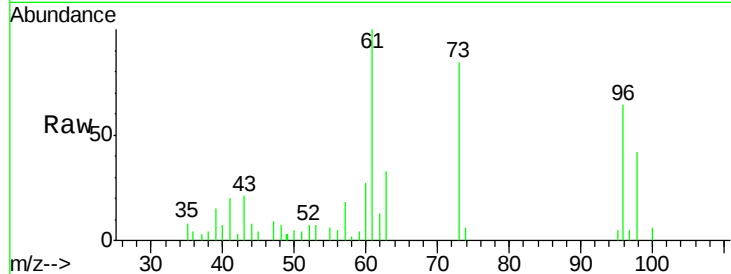
Tot Ion: 96 Resp: 6221

Ion Ratio Lower Upper

96 100

61 155.1 118.1 177.1

98 65.4 52.6 78.8



#22

Diisopropyl ether

Concen: 2.838 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Tgt Ion: 45 Resp: 17739

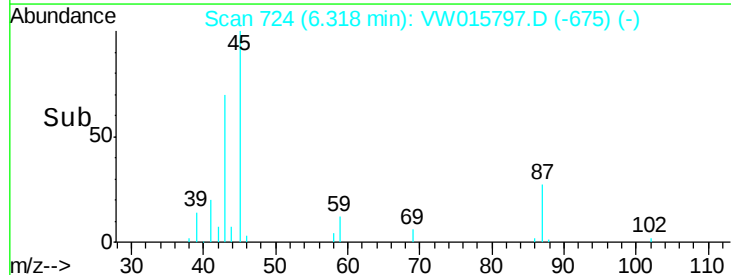
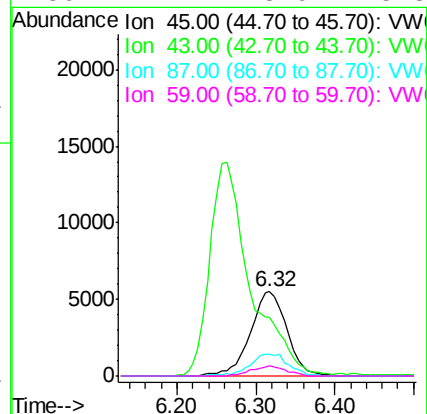
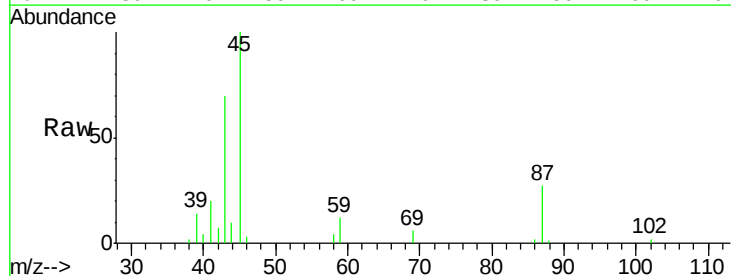
Ion Ratio Lower Upper

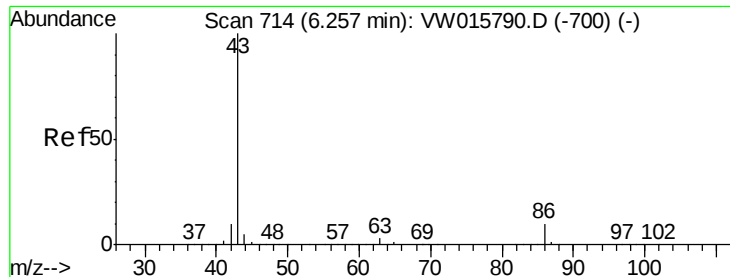
45 100

43 67.9 43.8 65.6#

87 26.6 22.1 33.1

59 12.4 8.9 13.3





#23

Vinyl Acetate

Concen: 13.546 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

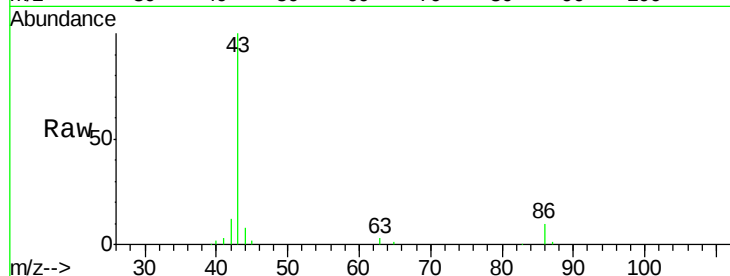
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 50366

Ion Ratio Lower Upper

43 100

86 9.8 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW

6.26

15000

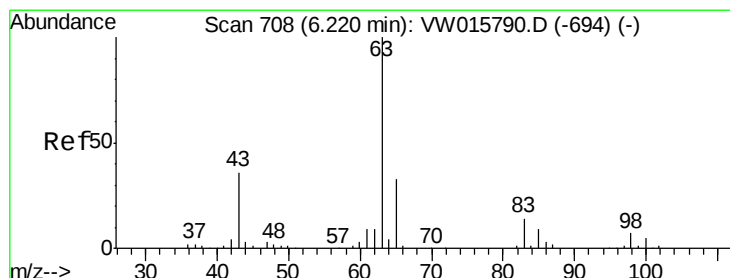
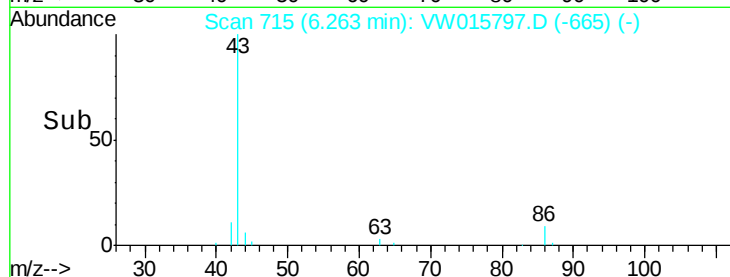
10000

5000

0

Time-->

6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 2.887 ug/l

RT: 6.23 min Scan# 709

Delta R.T. 0.01 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

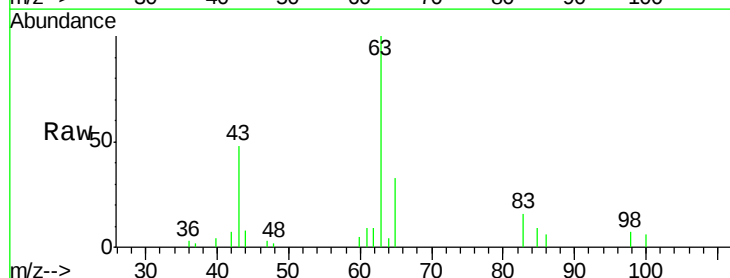
Tgt Ion: 63 Resp: 11424

Ion Ratio Lower Upper

63 100

98 6.6 3.4 10.2

100 5.8 2.4 7.1



Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW

5000

4000

3000

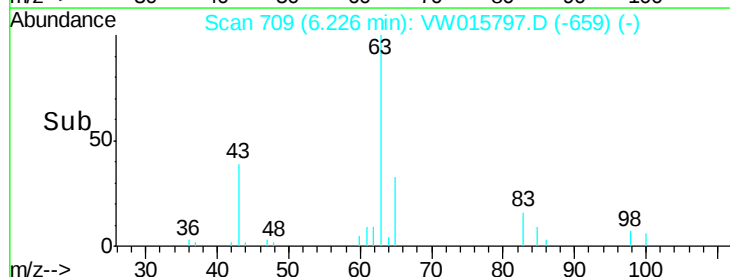
2000

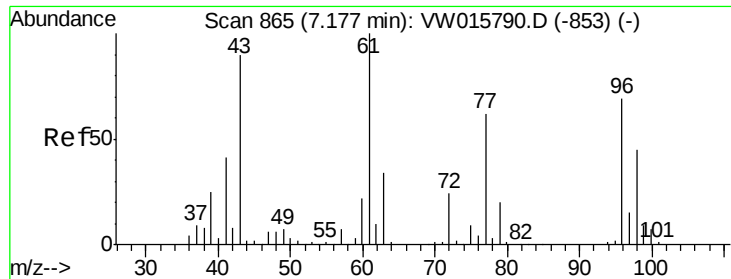
1000

0

Time-->

6.10 6.20 6.30





#25

2-Butanone

Concen: 18.642 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

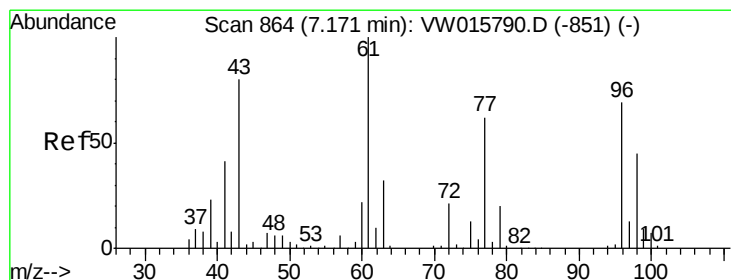
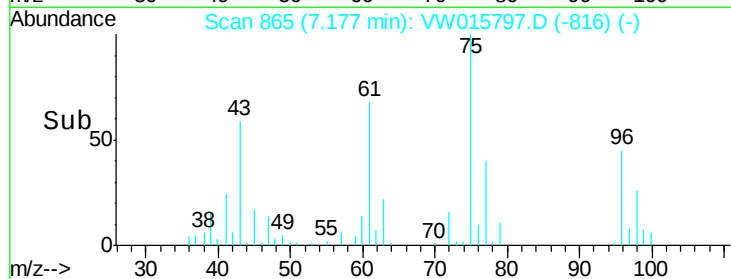
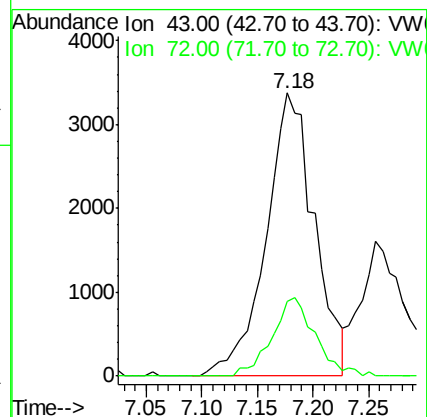
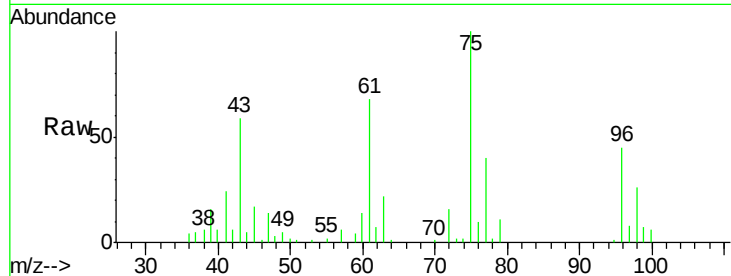
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 10187

Ion Ratio Lower Upper

43 100

72 26.4 21.3 31.9



#26

2,2-Dichloropropane

Concen: 3.461 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015797.D

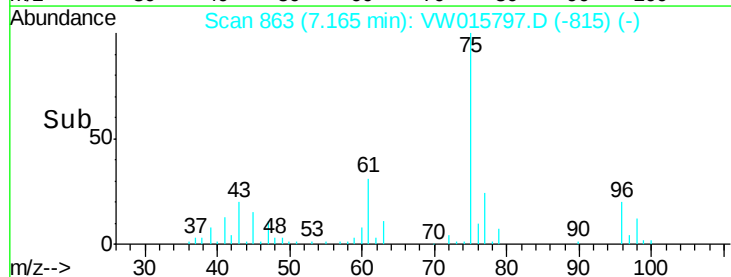
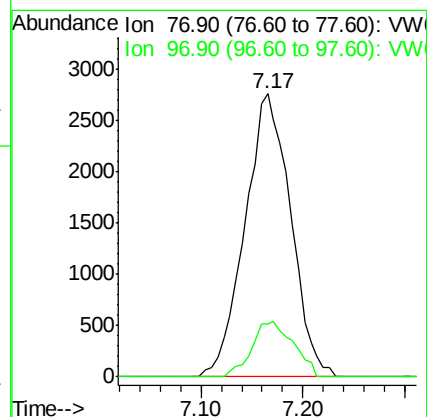
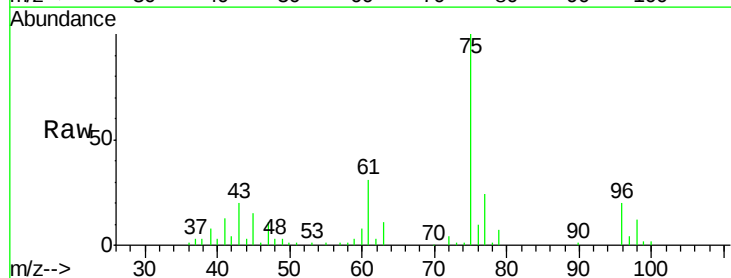
Acq: 07 Jul 2020 18:05

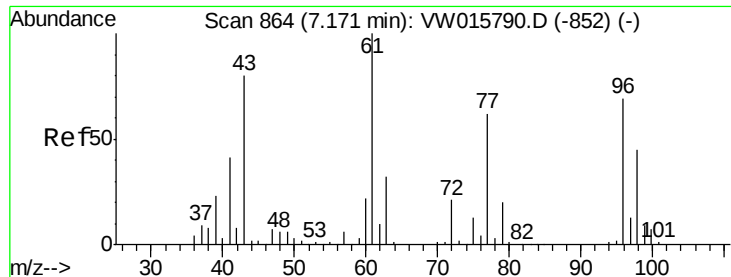
Tgt Ion: 77 Resp: 8593

Ion Ratio Lower Upper

77 100

97 17.8 11.0 33.0



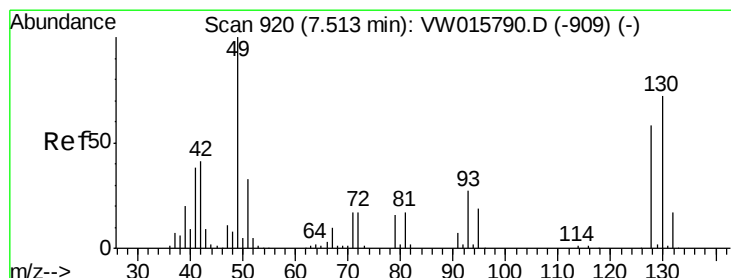
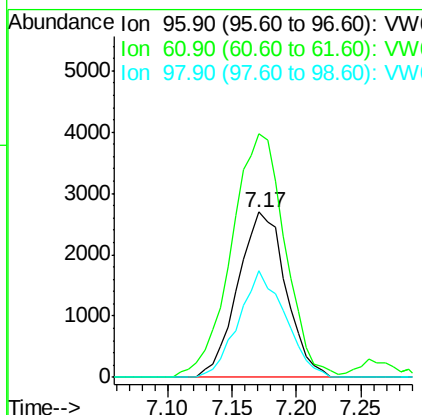
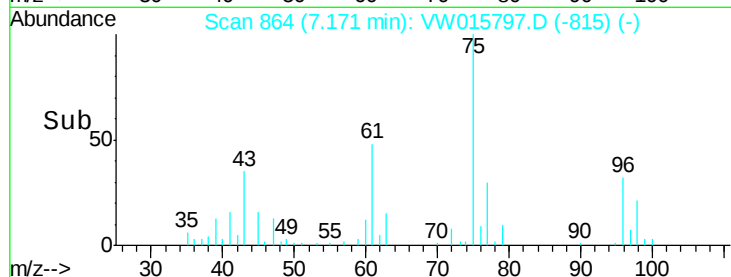
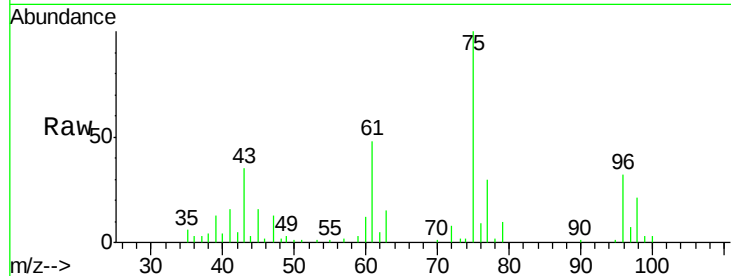


#27

cis-1,2-Dichloroethene
Concen: 2.947 ug/l
RT: 7.17 min Scan# 864
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

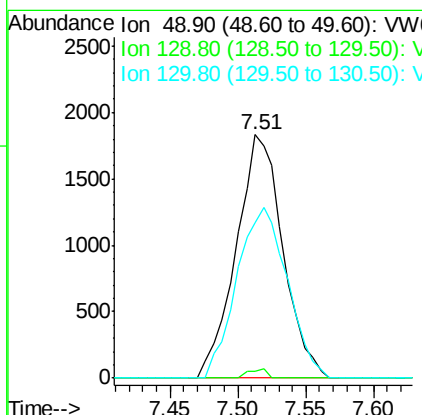
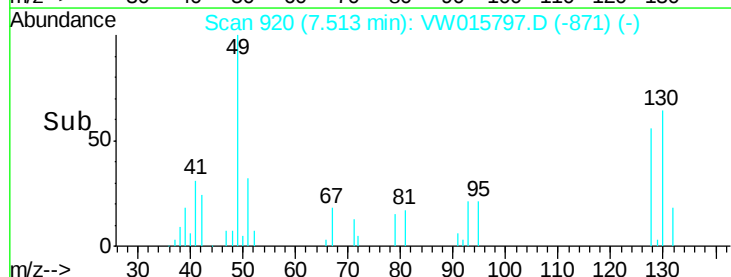
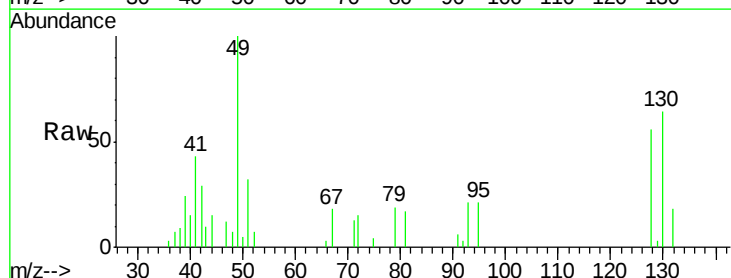
Tot Ion: 96 Resp: 6995
Ion Ratio Lower Upper
96 100
61 163.7 0.0 292.2
98 62.1 0.0 129.0

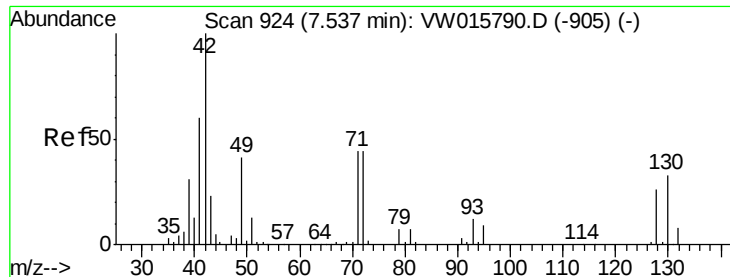


#28

Bromochloromethane
Concen: 2.799 ug/l
RT: 7.51 min Scan# 920
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion: 49 Resp: 4392
Ion Ratio Lower Upper
49 100
129 1.5 0.0 2.6
130 75.8 59.5 89.3

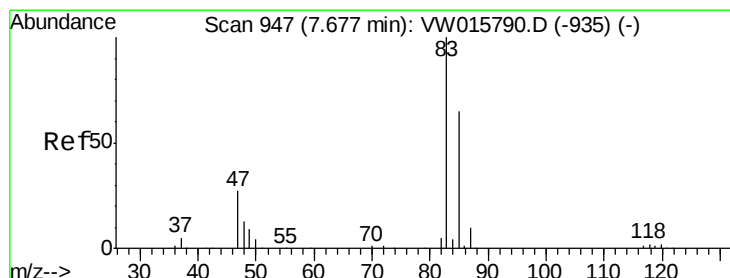
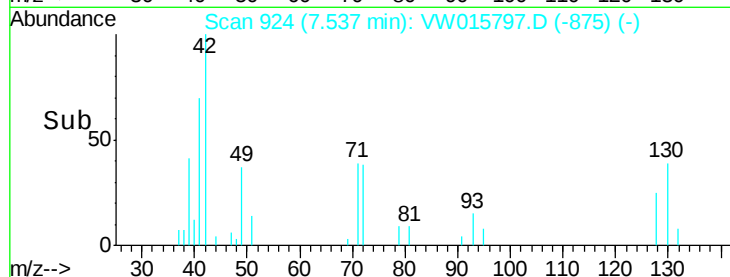
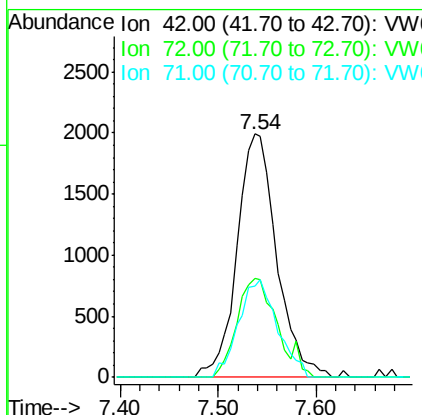
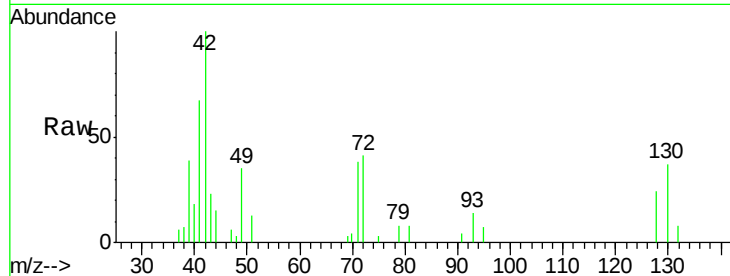




#29
Tetrahydrofuran
Concen: 16.903 ug/l
RT: 7.54 min Scan# 924
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

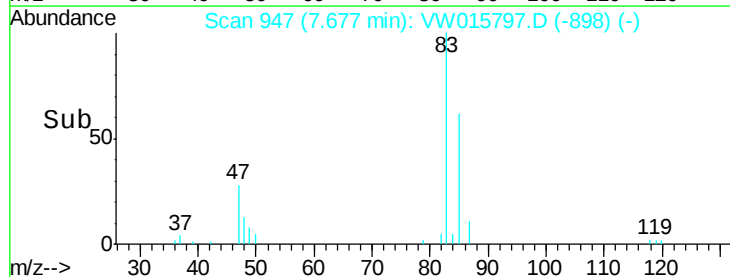
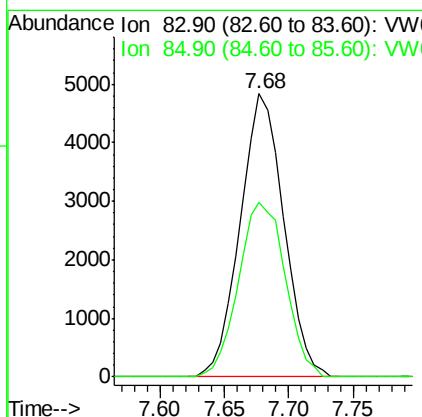
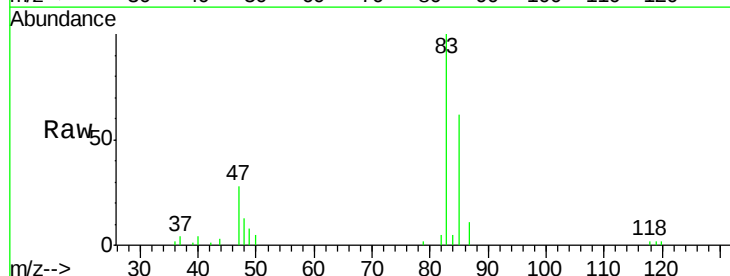
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

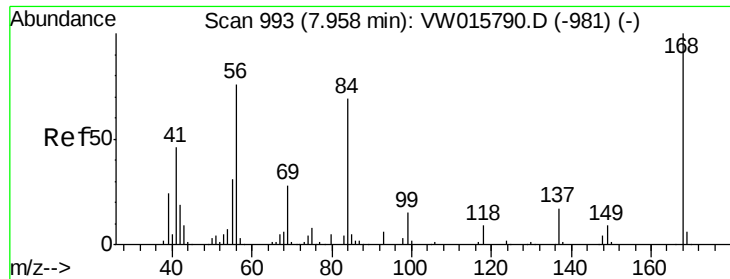
Tot Ion: 42 Resp: 5605
Ion Ratio Lower Upper
42 100
72 41.2 34.6 51.8
71 39.0 32.8 49.2



#30
Chloroform
Concen: 2.803 ug/l
RT: 7.68 min Scan# 947
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion: 83 Resp: 11341
Ion Ratio Lower Upper
83 100
85 61.6 51.6 77.4

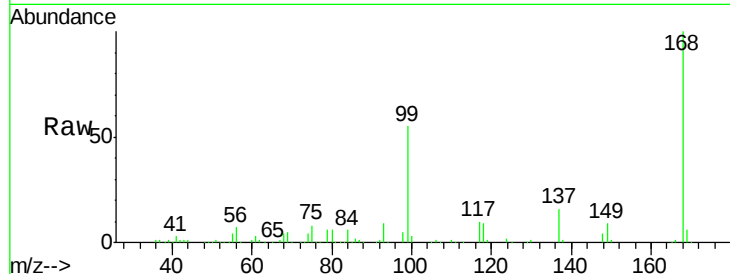




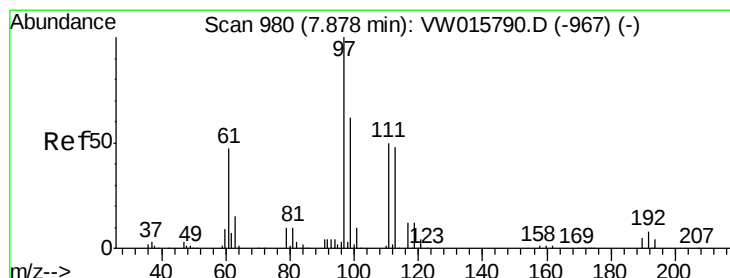
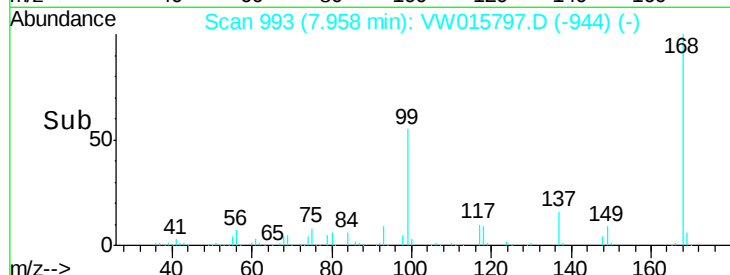
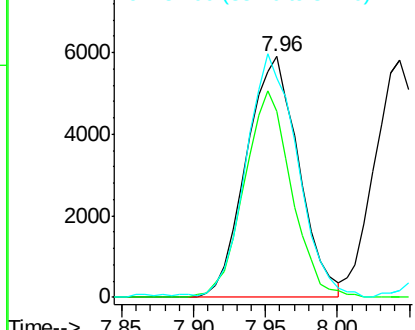
#31
Cyclohexane
Concen: 4.013 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 56 Resp: 14946
Ion Ratio Lower Upper
56 100
69 77.2 28.9 43.3#
84 90.2 72.2 108.4

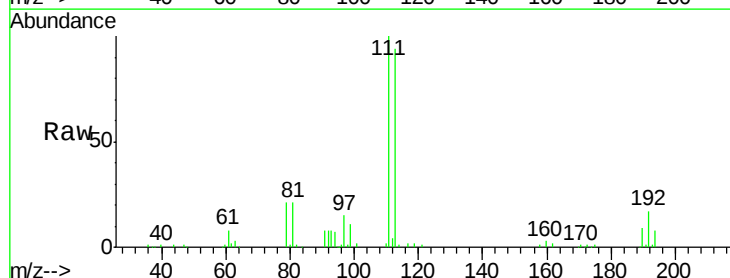


Abundance Ion 56.00 (55.70 to 56.70): VW
Ion 69.00 (68.70 to 69.70): VW
Ion 84.00 (83.70 to 84.70): VW

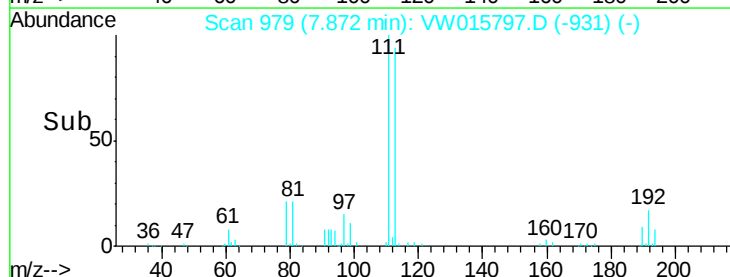
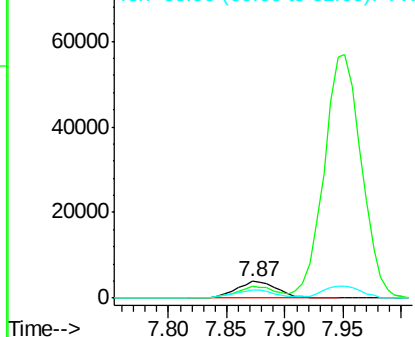


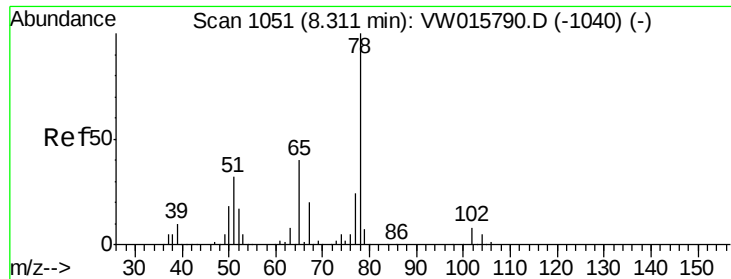
#32
1,1,1-Trichloroethane
Concen: 2.830 ug/l
RT: 7.87 min Scan# 979
Delta R.T. -0.01 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion: 97 Resp: 9601
Ion Ratio Lower Upper
97 100
99 65.6 51.0 76.4
61 48.8 38.6 57.8



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: 50.165 ug/l

RT: 8.31 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

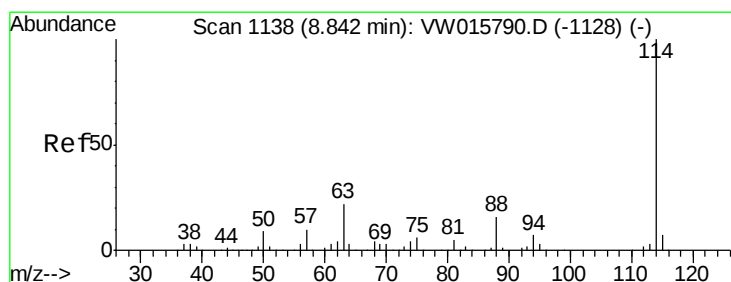
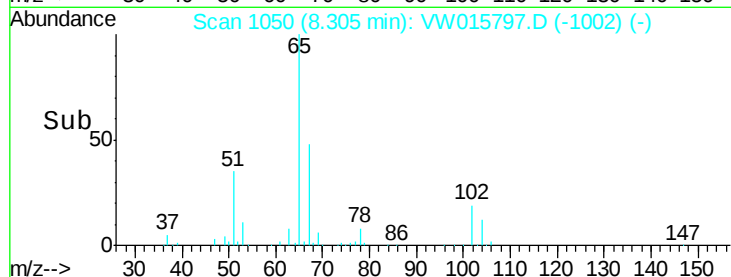
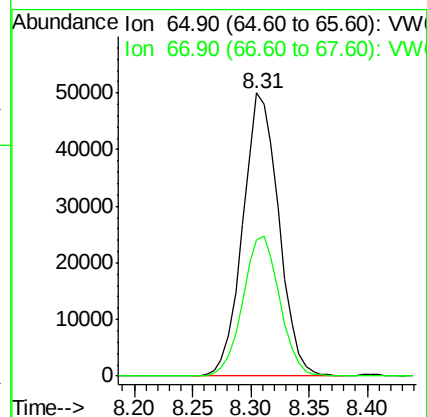
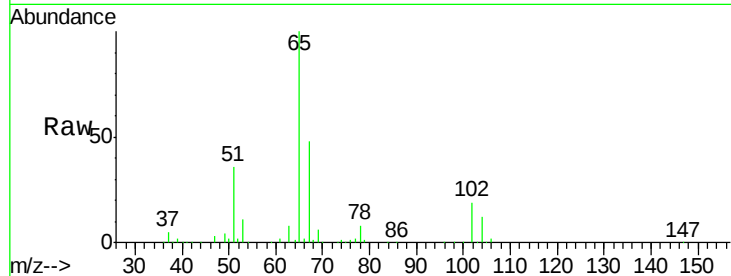
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 65 Resp: 107931

Ion Ratio Lower Upper

65 100

67 50.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.85 min Scan# 1139

Delta R.T. 0.01 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

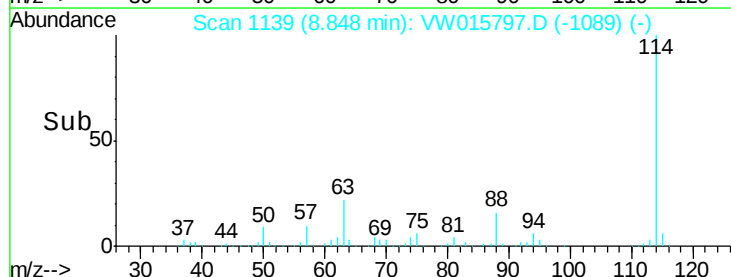
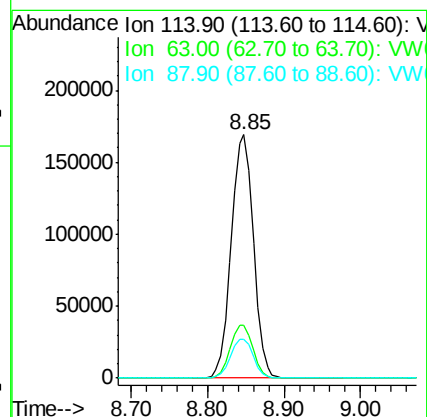
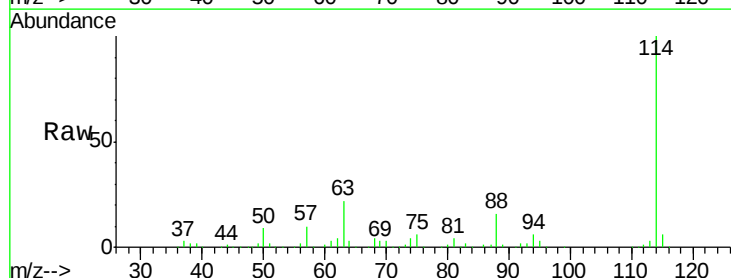
Tgt Ion: 114 Resp: 338977

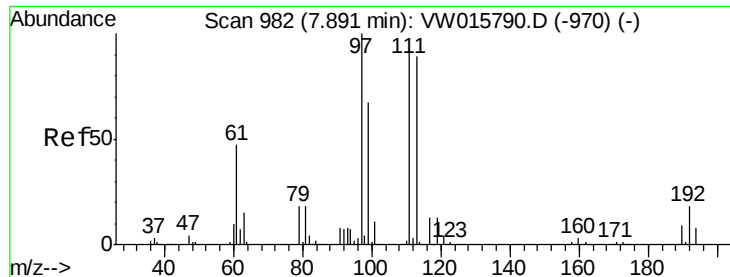
Ion Ratio Lower Upper

114 100

63 21.6 0.0 44.4

88 16.2 0.0 32.6

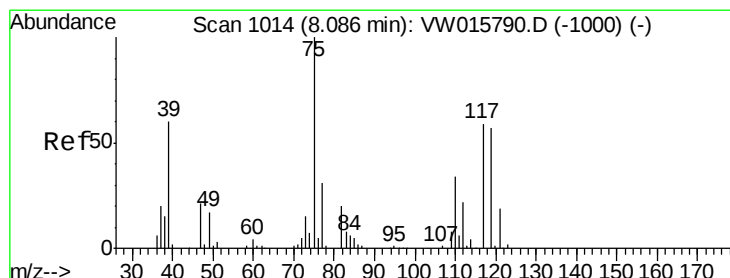
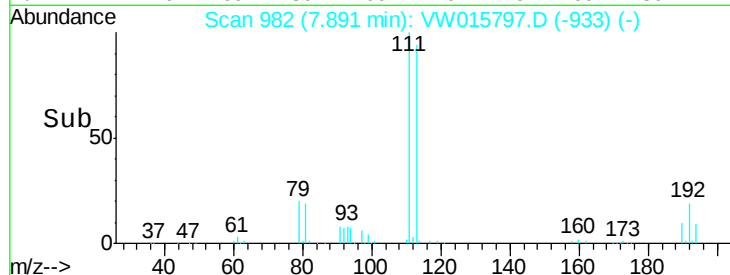
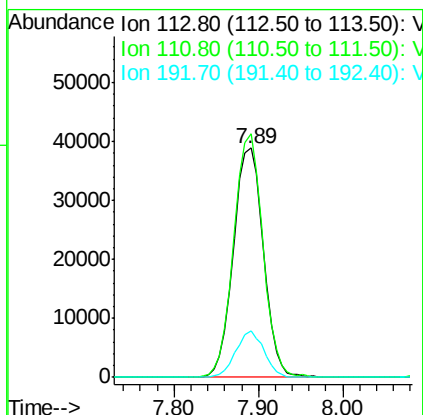
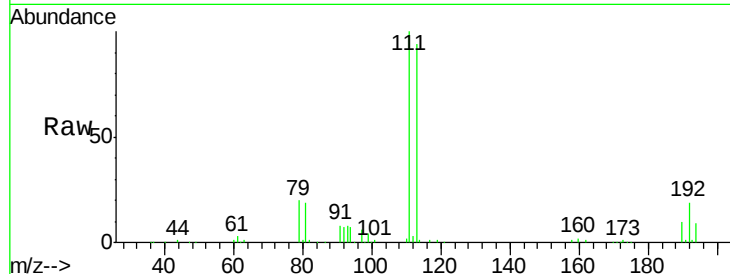




#35
Dibromofluoromethane
Concen: 47.169 ug/l
RT: 7.89 min Scan# 982
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

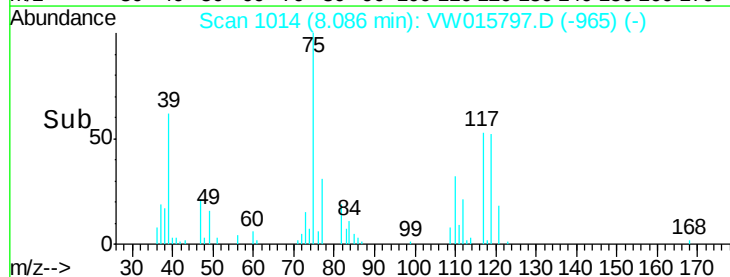
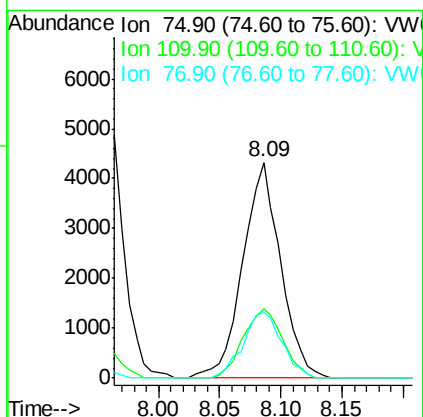
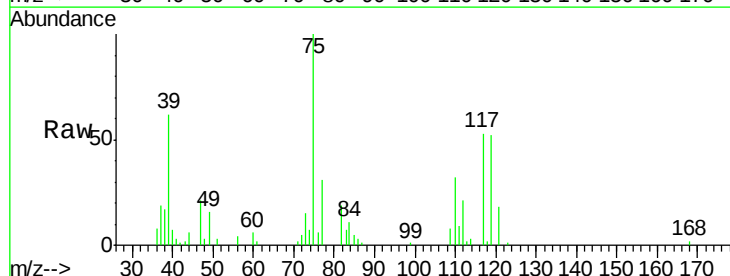
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

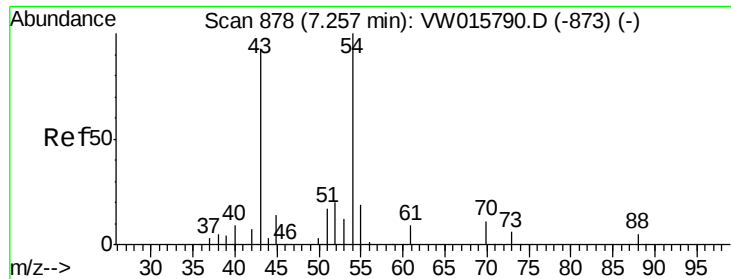
Tot Ion:113 Resp: 93283
Ion Ratio Lower Upper
113 100
111 103.4 82.8 124.2
192 19.1 15.4 23.2



#36
1,1-Dichloropropene
Concen: 2.788 ug/l
RT: 8.09 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion: 75 Resp: 9316
Ion Ratio Lower Upper
75 100
110 33.4 16.8 50.3
77 31.7 24.7 37.1

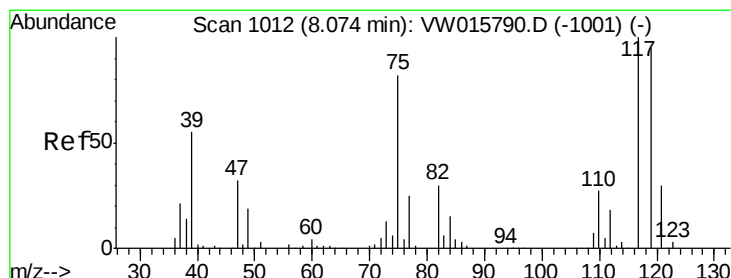
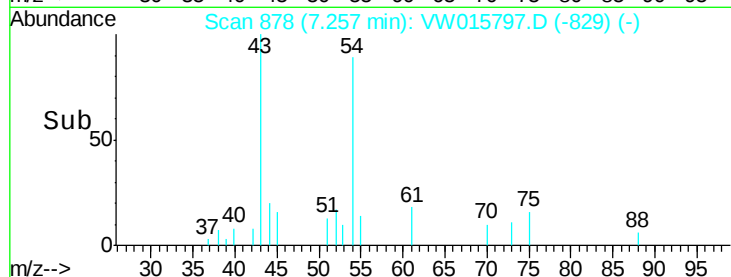
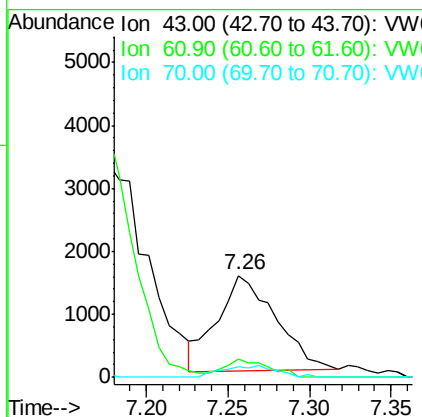
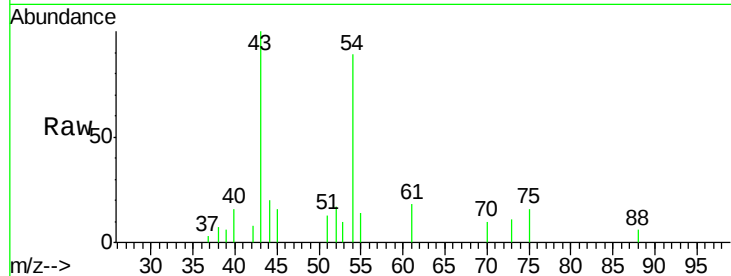




#37
Ethyl Acetate
Concen: 2.928 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

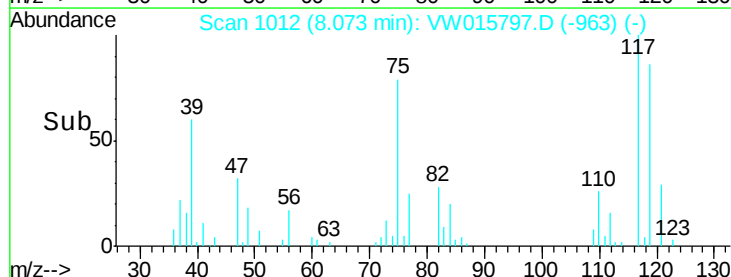
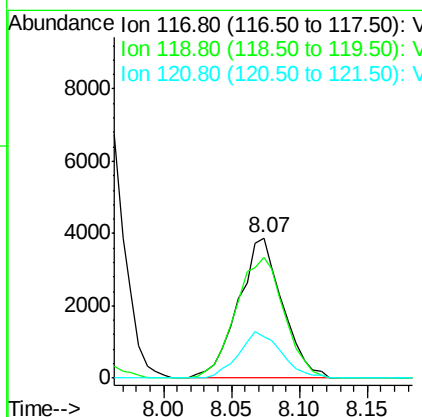
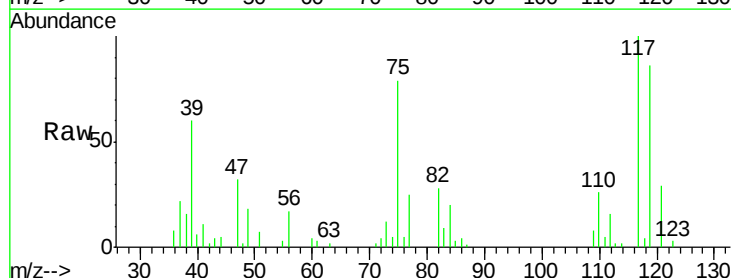
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

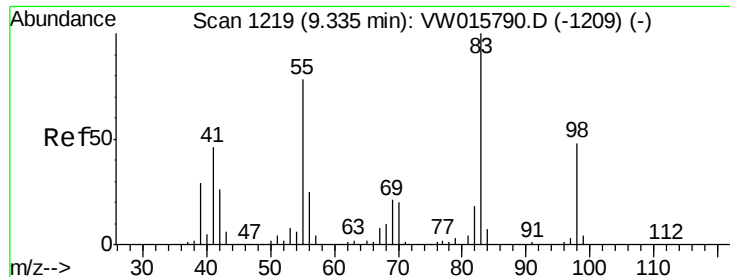
Tot Ion: 43 Resp: 3802
Ion Ratio Lower Upper
43 100
61 14.6 10.4 15.6
70 11.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 2.723 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion: 117 Resp: 8805
Ion Ratio Lower Upper
117 100
119 86.4 76.3 114.5
121 29.3 24.0 36.0

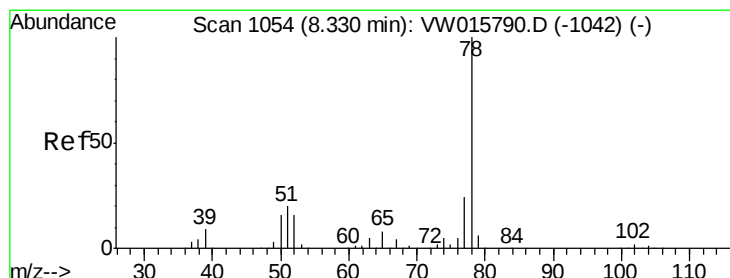
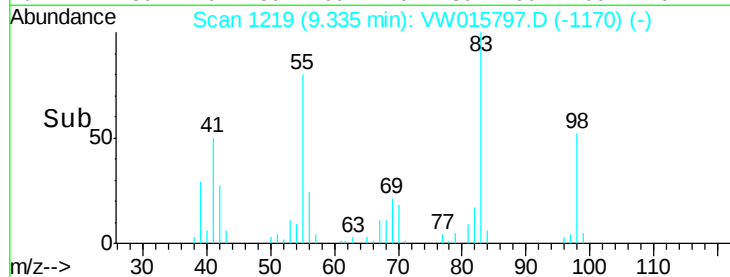
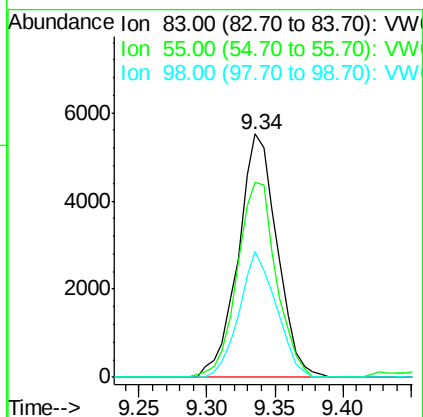
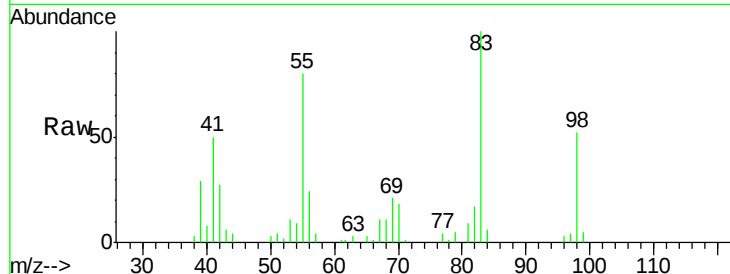




#39
Methvlcvclohexane
Concen: 2.794 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

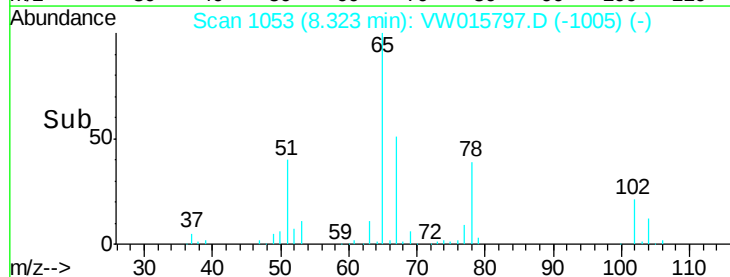
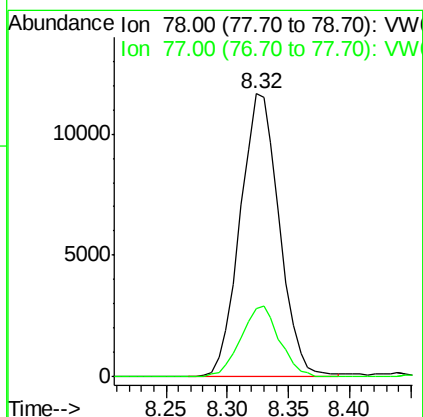
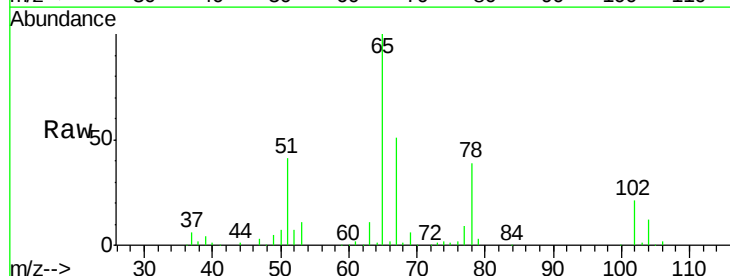
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

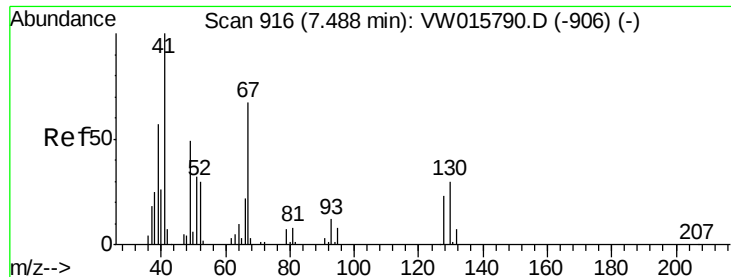
Tot Ion: 83 Resp: 11017
Ion Ratio Lower Upper
83 100
55 79.9 62.6 94.0
98 51.7 38.6 58.0



#40
Benzene
Concen: 2.835 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion: 78 Resp: 25952
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.6

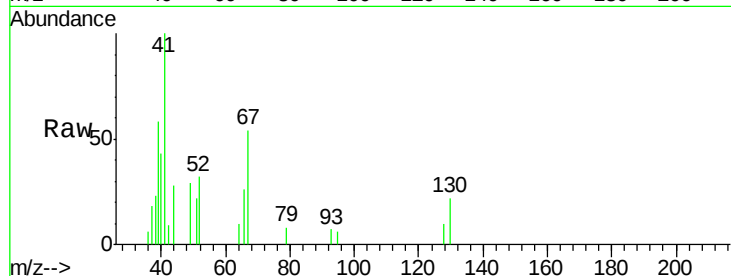




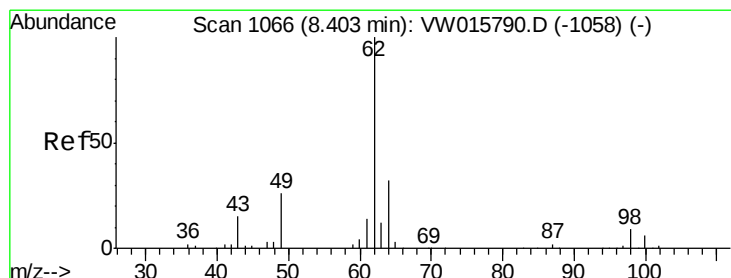
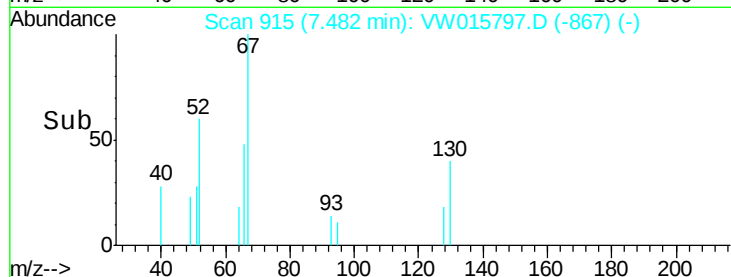
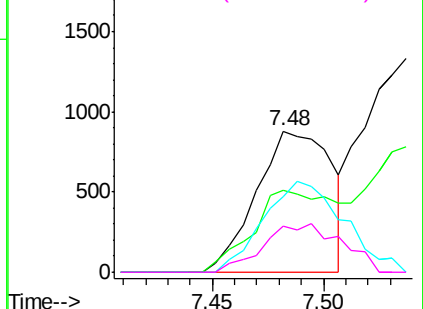
#41
Methacrylonitrile
Concen: 2.796 ug/l
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:	41	Resp:	2061
Ion	Ratio	Lower	Upper
41	100		
39	61.6	44.6	66.8
67	69.2	56.4	84.6
52	35.6	25.4	38.2

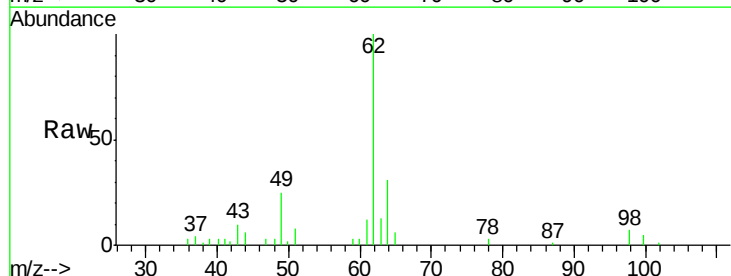


Abundance Ion 41.00 (40.70 to 41.70): VW
Ion 39.00 (38.70 to 39.70): VW
Ion 67.00 (66.70 to 67.70): VW
Ion 52.00 (51.70 to 52.70): VW

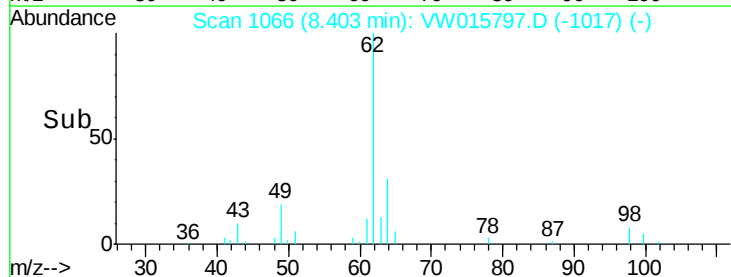
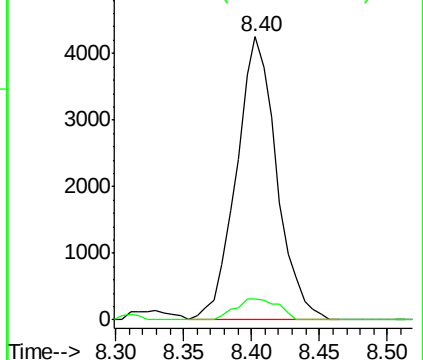


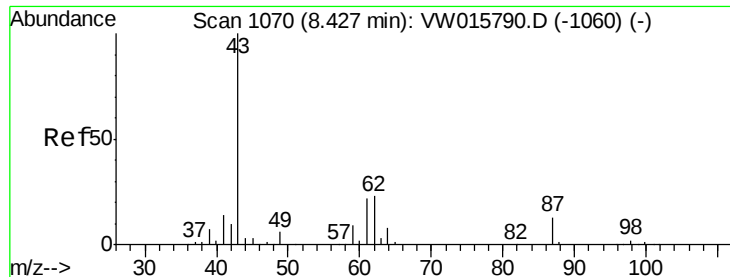
#42
1,2-Dichloroethane
Concen: 3.093 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion:	62	Resp:	8812
Ion	Ratio	Lower	Upper
62	100		
98	8.1	0.0	17.2



Abundance Ion 61.90 (61.60 to 62.60): VW
Ion 97.90 (97.60 to 98.60): VW





#43

Isopropyl Acetate

Concen: 3.140 ug/l

RT: 8.43 min Scan# 1070

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

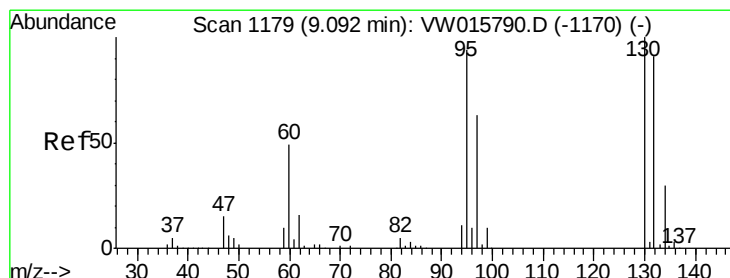
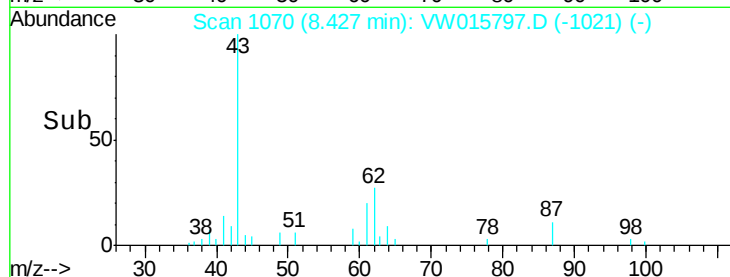
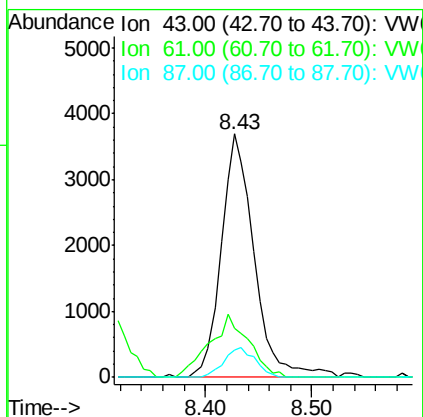
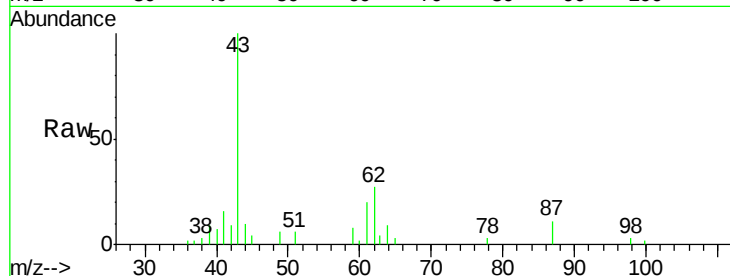
Tot Ion: 43 Resp: 7958

Ion Ratio Lower Upper

43 100

61 30.6 24.8 37.2

87 11.4 10.4 15.6



#44

Trichloroethene

Concen: 2.836 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015797.D

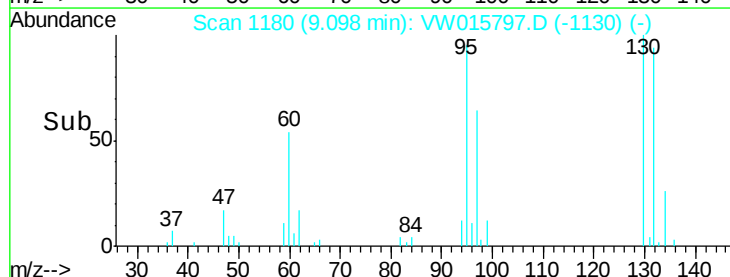
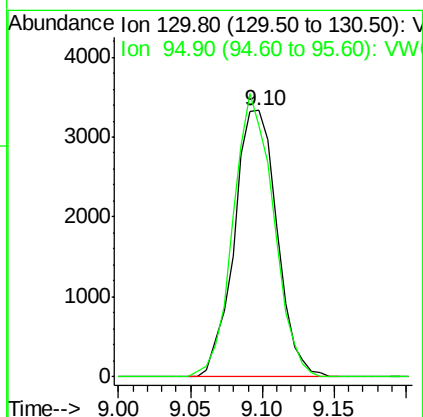
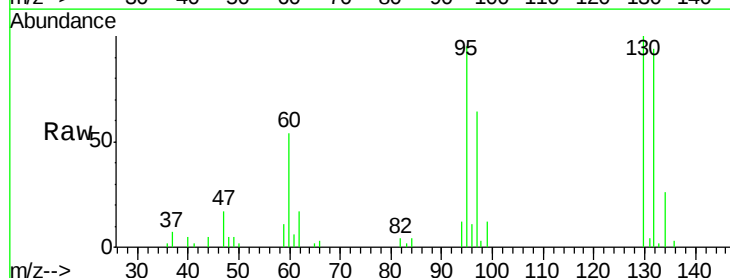
Acq: 07 Jul 2020 18:05

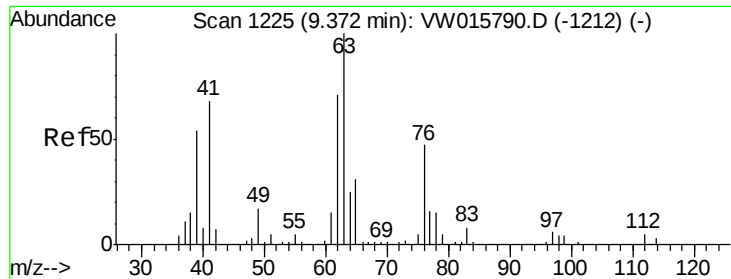
Tgt Ion: 130 Resp: 6867

Ion Ratio Lower Upper

130 100

95 94.6 0.0 188.6

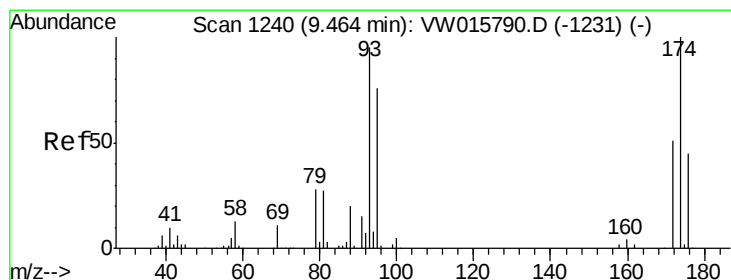
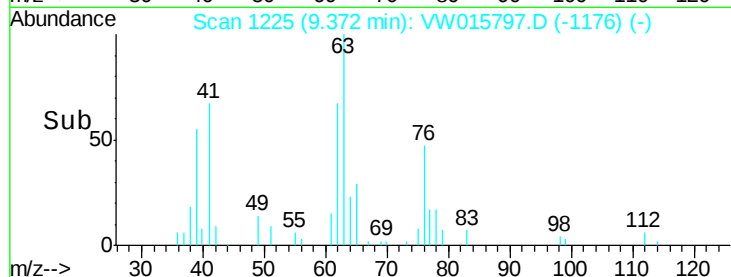
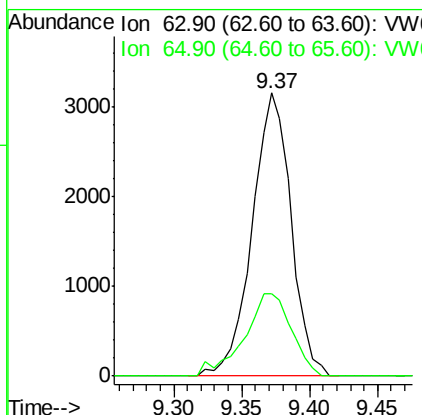
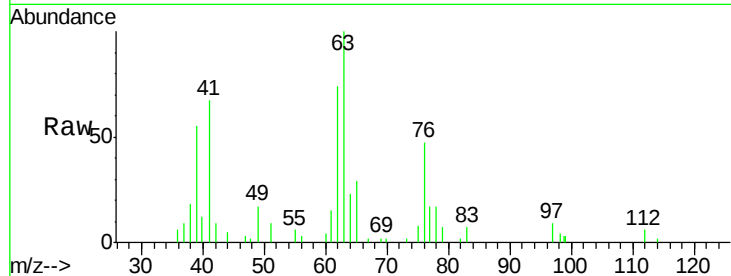




#45
 1,2-Dichloropropane
 Concen: 2.815 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

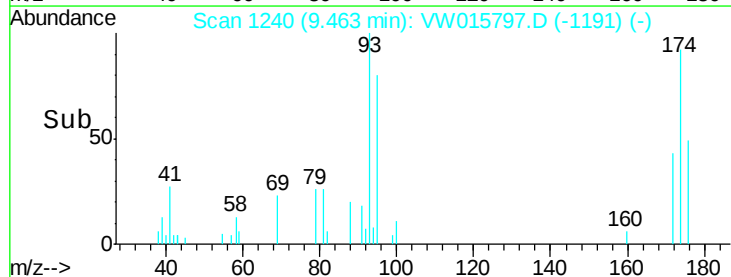
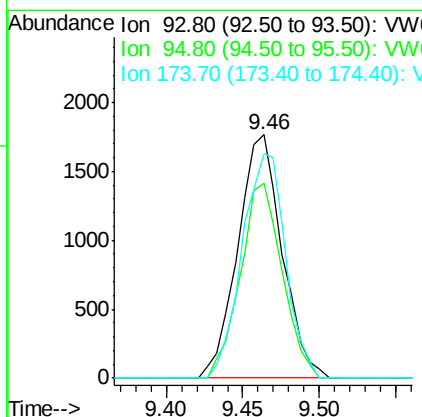
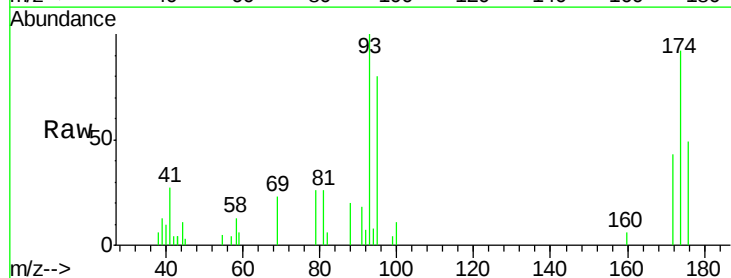
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

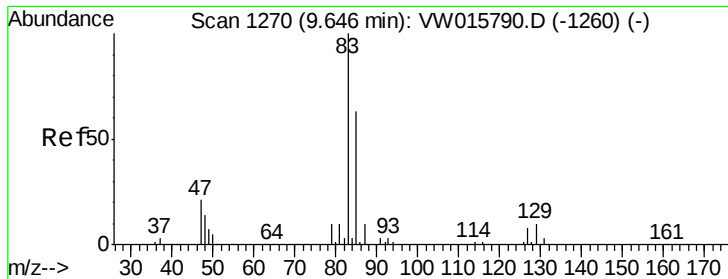
Tot Ion: 63 Resp: 6334
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.5 36.7



#46
 Dibromomethane
 Concen: 3.061 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

Tgt Ion: 93 Resp: 3546
 Ion Ratio Lower Upper
 93 100
 95 75.8 66.0 99.0
 174 90.4 78.7 118.1





#47

Bromodichloromethane

Concen: 2.678 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

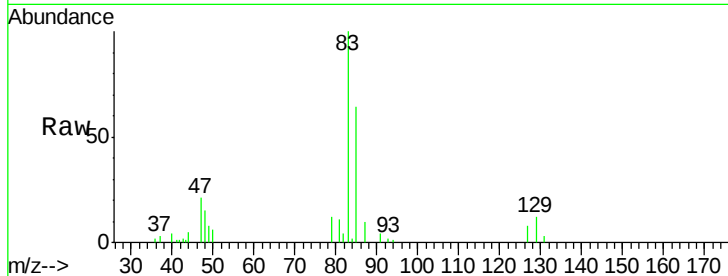
Tot Ion: 83 Resp: 8024

Ion Ratio Lower Upper

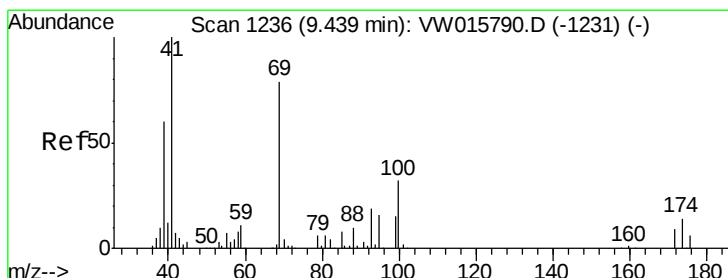
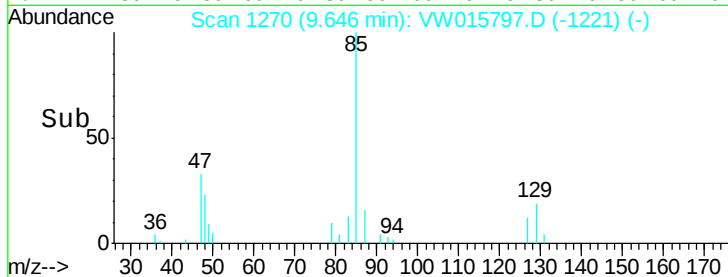
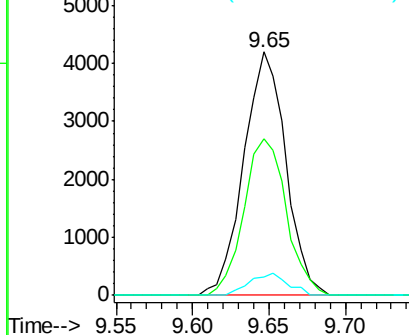
83 100

85 64.2 50.6 76.0

127 7.7 6.2 9.2



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): V



#48

Methyl methacrylate

Concen: 2.958 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

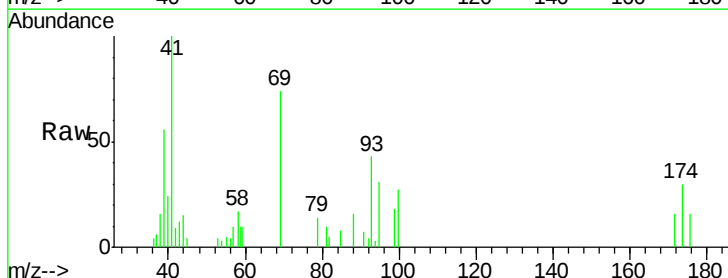
Tgt Ion: 41 Resp: 3436

Ion Ratio Lower Upper

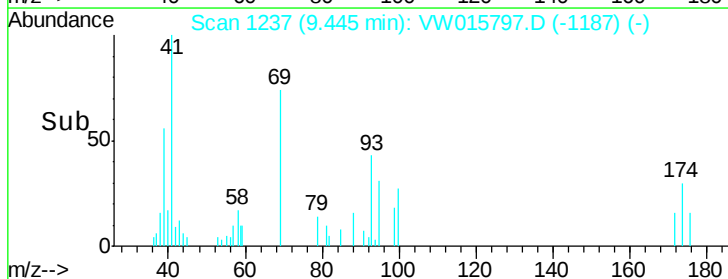
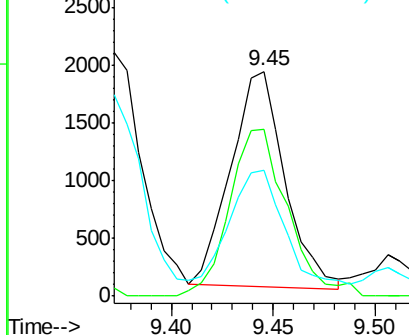
41 100

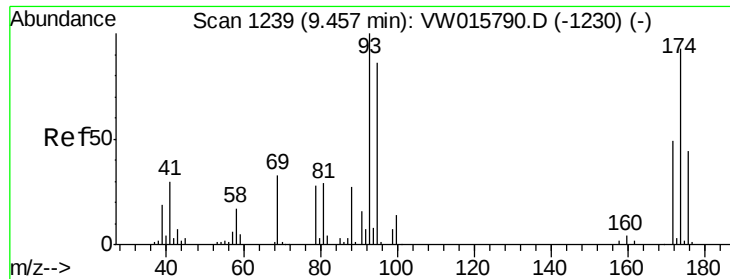
69 83.2 67.1 100.7

39 54.0 49.9 74.9



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

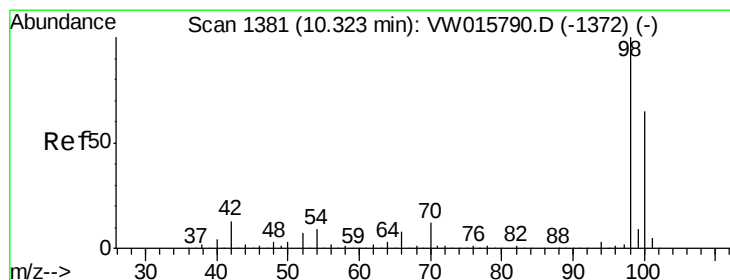
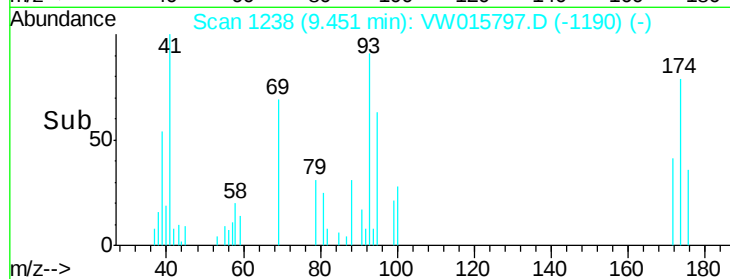
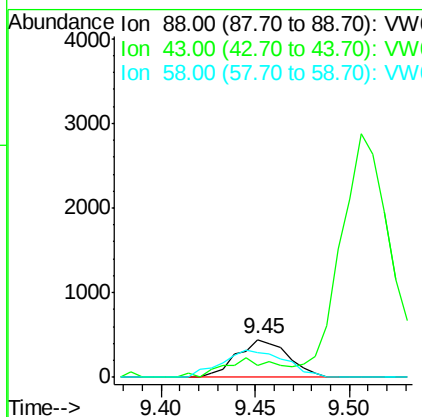
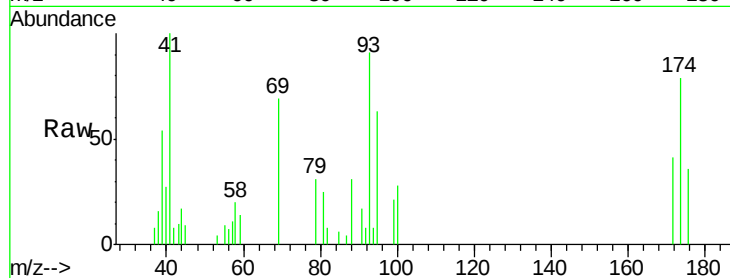




#49
1,4-Dioxane
Concen: 59.216 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

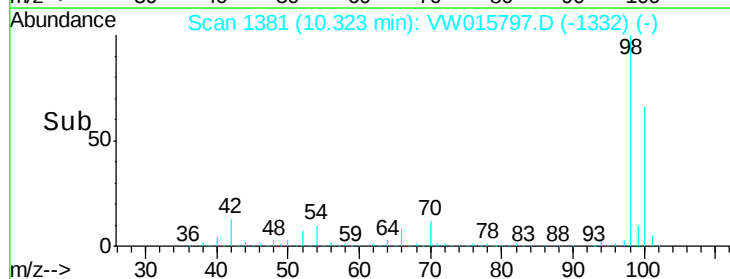
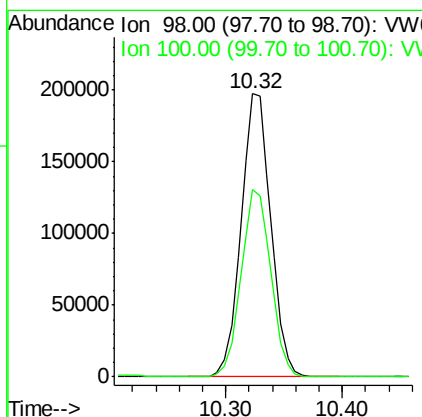
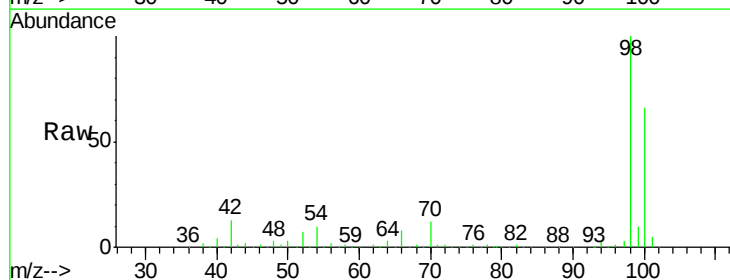
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

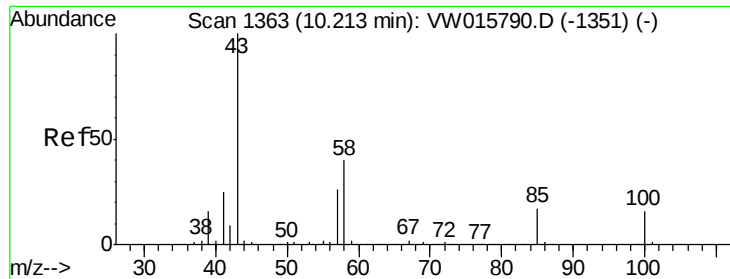
Tot Ion: 88 Resp: 848
Ion Ratio Lower Upper
88 100
43 53.7 28.1 42.1#
58 87.9 59.3 88.9



#50
Toluene-d8
Concen: 46.201 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion: 98 Resp: 350965
Ion Ratio Lower Upper
98 100
100 66.2 52.6 79.0





#51

4-Methyl-2-Pentanone

Concen: 14.830 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

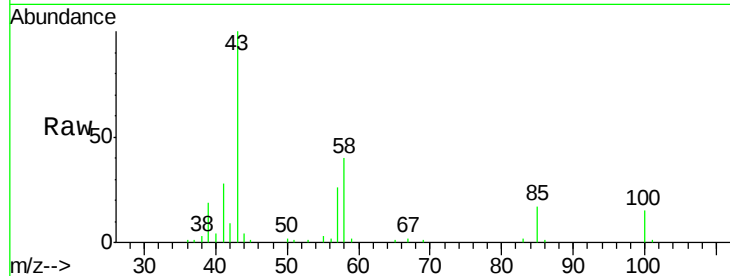
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 18341

Ion Ratio Lower Upper

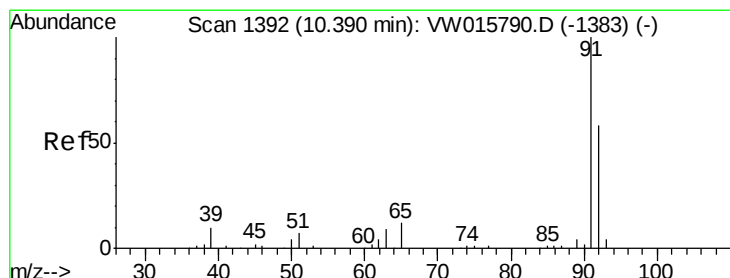
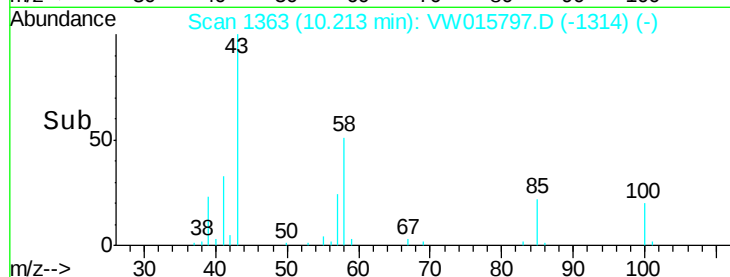
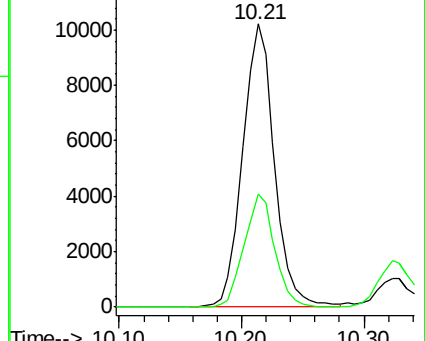
43 100

58 38.2 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 2.847 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015797.D

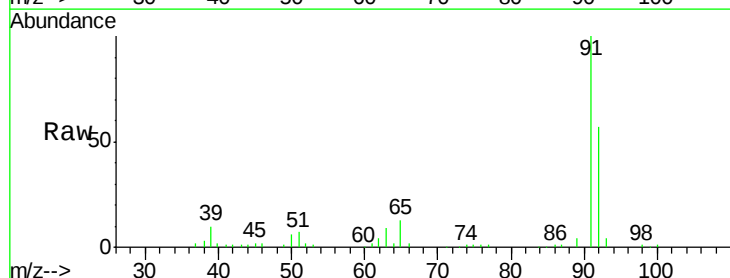
Acq: 07 Jul 2020 18:05

Tgt Ion: 92 Resp: 16770

Ion Ratio Lower Upper

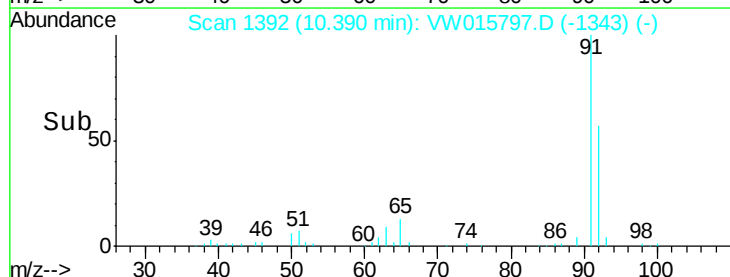
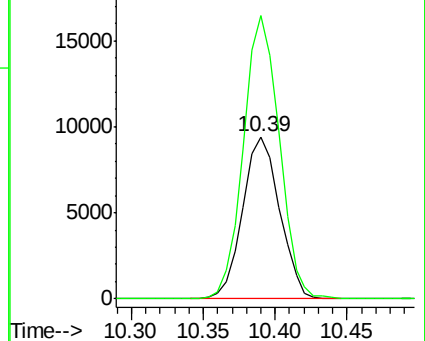
92 100

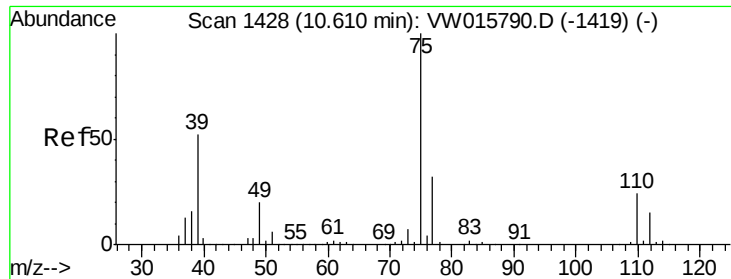
91 169.4 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

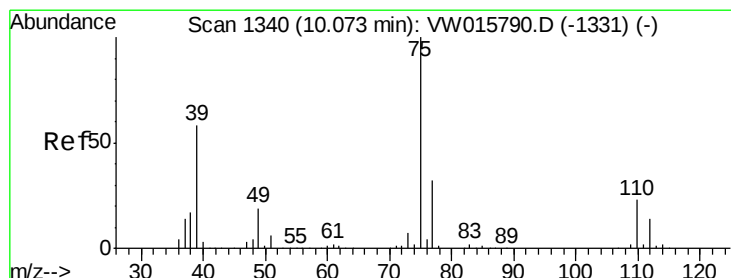
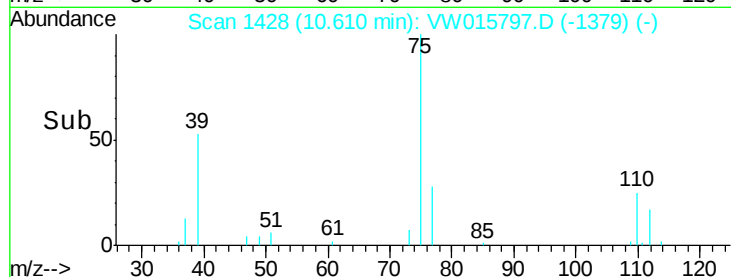
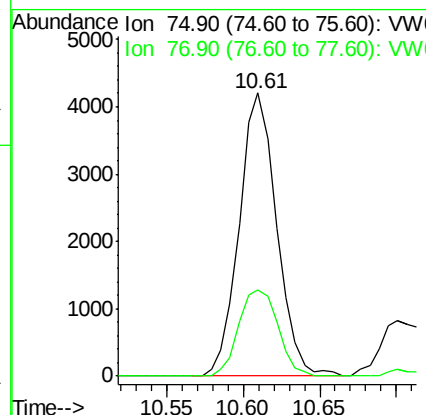
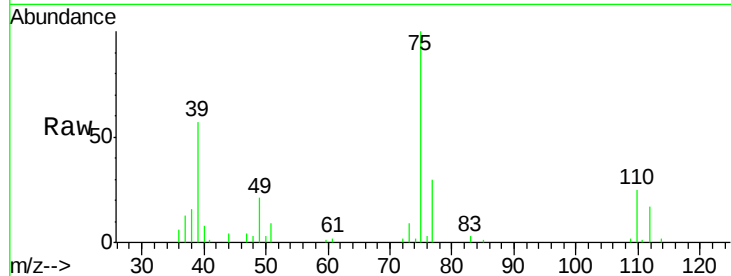




#53
 t-1,3-Dichloropropene
 Concen: 2.489 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

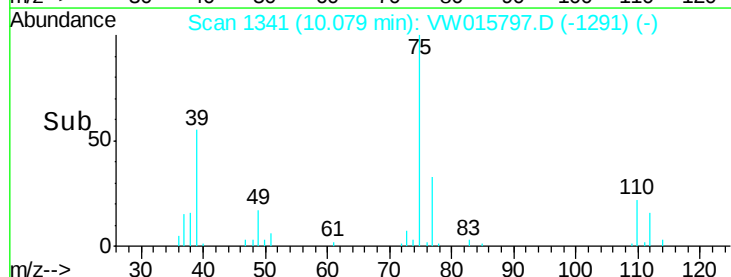
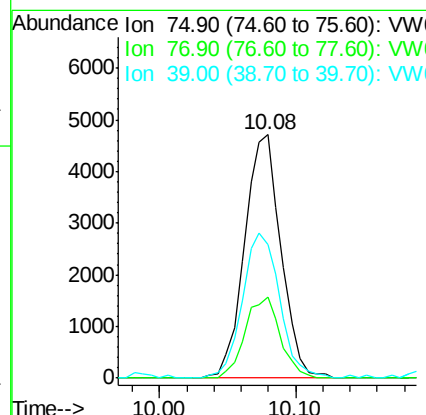
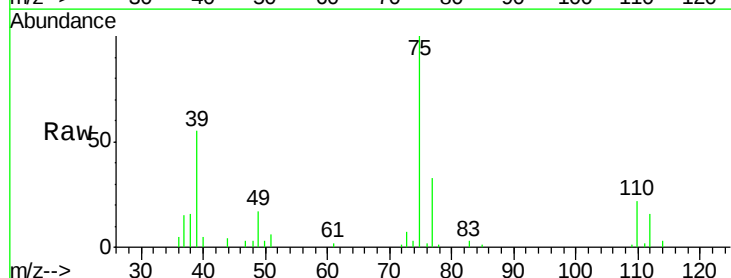
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

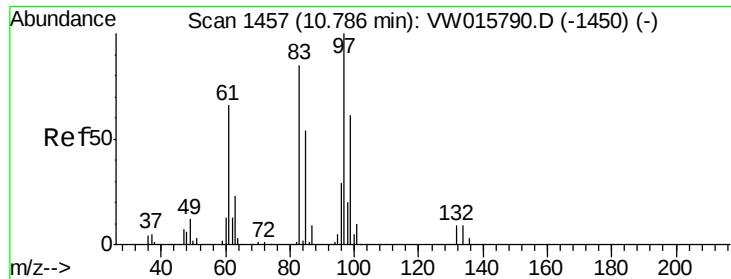
Tot Ion: 75 Resp: 7154
 Ion Ratio Lower Upper
 75 100
 77 30.3 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 2.557 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

Tgt Ion: 75 Resp: 8794
 Ion Ratio Lower Upper
 75 100
 77 33.1 25.2 37.8
 39 54.9 46.0 69.0

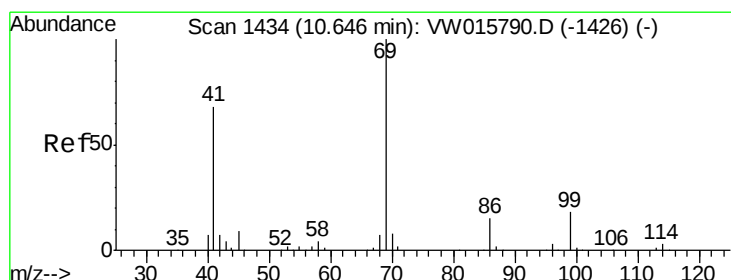
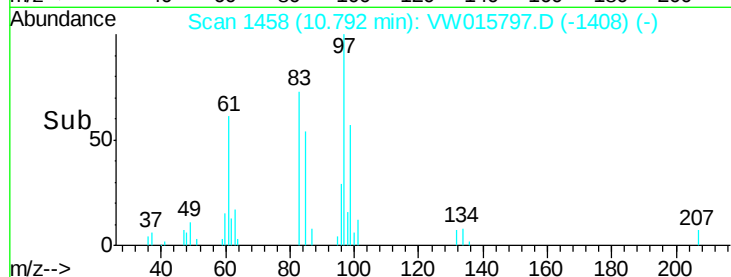
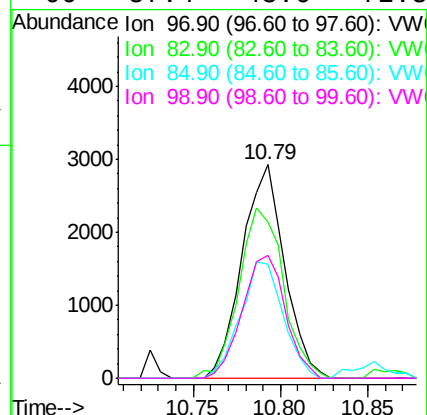
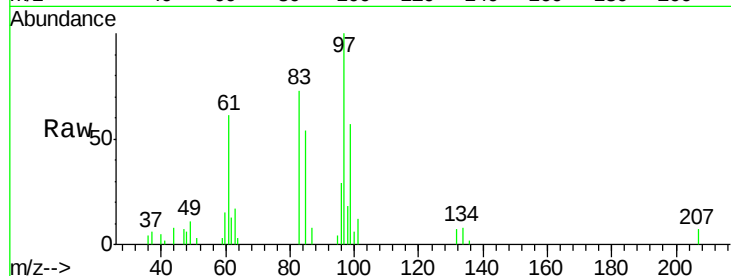




#55
 1,1,2-Trichloroethane
 Concen: 3.079 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

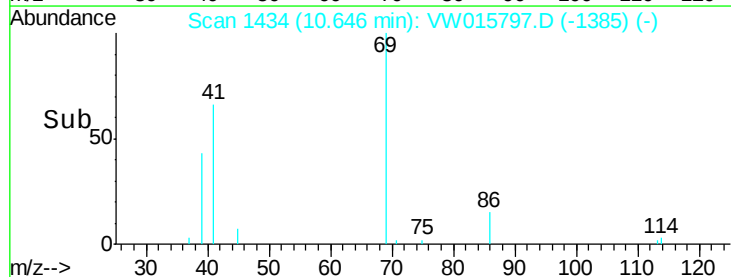
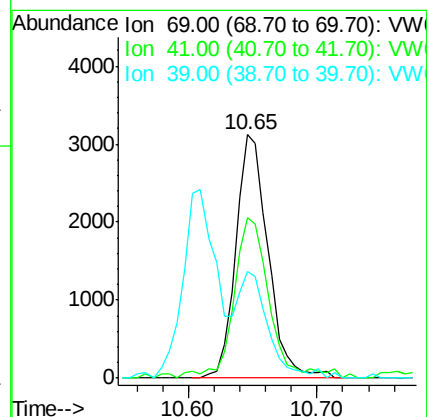
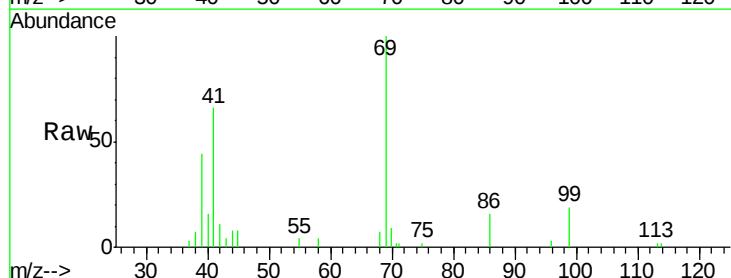
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

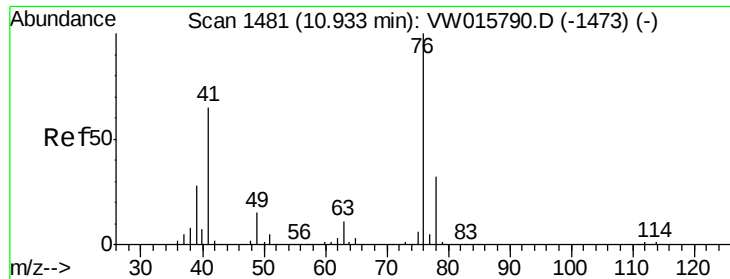
Tot Ion: 97 Resp: 4946
 Ion Ratio Lower Upper
 97 100
 83 73.3 68.2 102.4
 85 53.6 43.4 65.0
 99 57.4 48.6 72.8



#56
 Ethyl methacrylate
 Concen: 2.749 ug/l
 RT: 10.65 min Scan# 1434
 Delta R.T. -0.00 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

Tgt Ion: 69 Resp: 5429
 Ion Ratio Lower Upper
 69 100
 41 72.9 55.0 82.6
 39 40.4 33.8 50.8

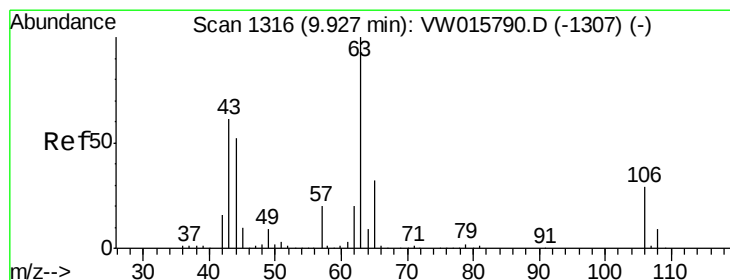
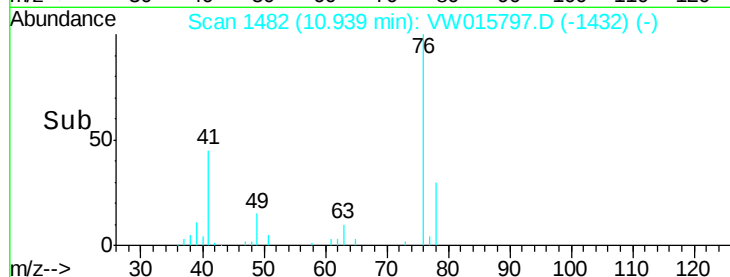
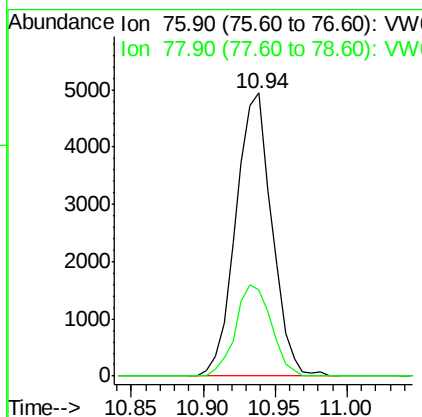
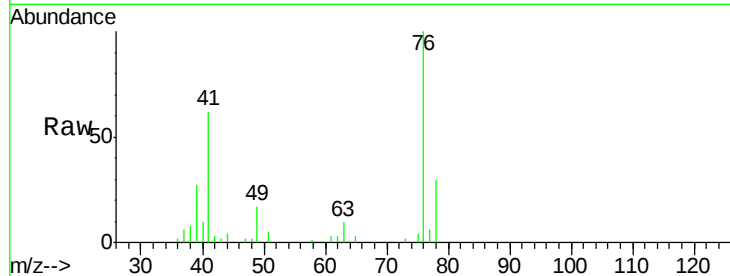




#57
 1,3-Dichloropropane
 Concen: 3.027 ug/l
 RT: 10.94 min Scan# 1482
 Delta R.T. 0.01 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

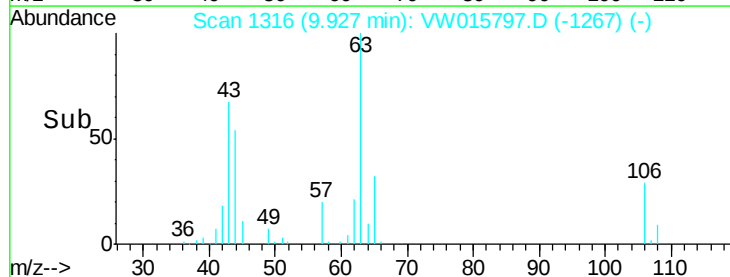
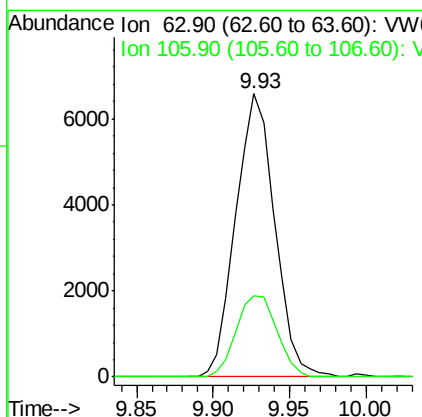
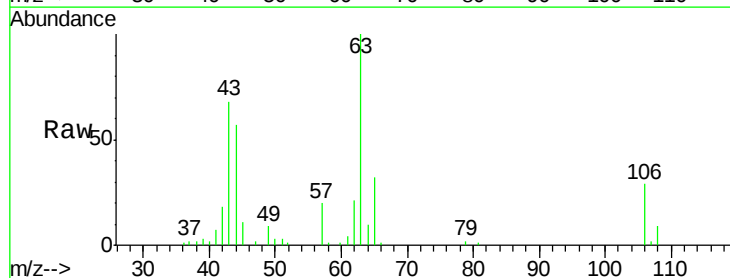
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

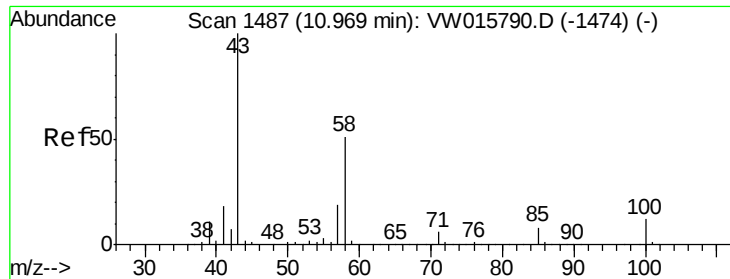
Tot Ion: 76 Resp: 8606
 Ion Ratio Lower Upper
 76 100
 78 31.9 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 12.074 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

Tgt Ion: 63 Resp: 11650
 Ion Ratio Lower Upper
 63 100
 106 30.0 23.1 34.7





#59

2-Hexanone

Concen: 14.946 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

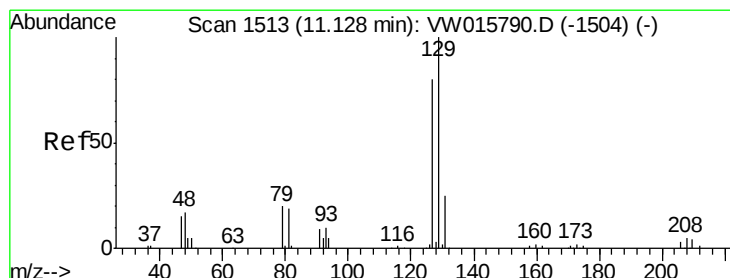
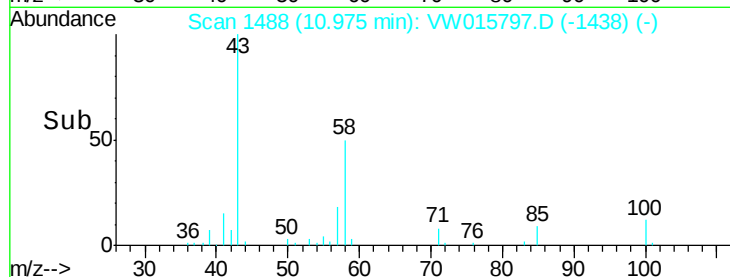
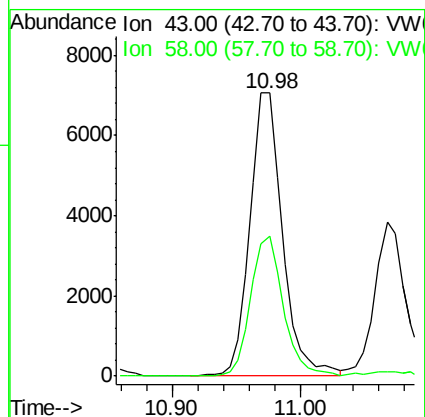
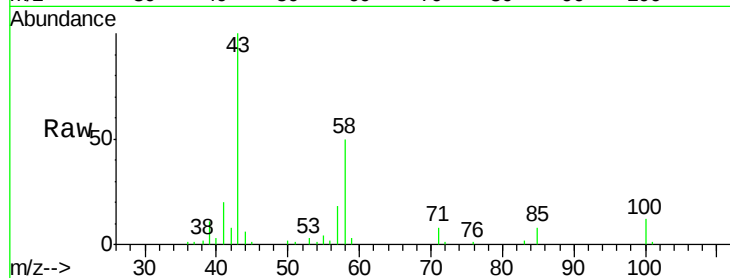
LOD-MDL-SOIL-01-QT3-2020

Tot Ion: 43 Resp: 12335

Ion Ratio Lower Upper

43 100

58 49.5 26.2 78.5



#60

Dibromochloromethane

Concen: 2.592 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW015797.D

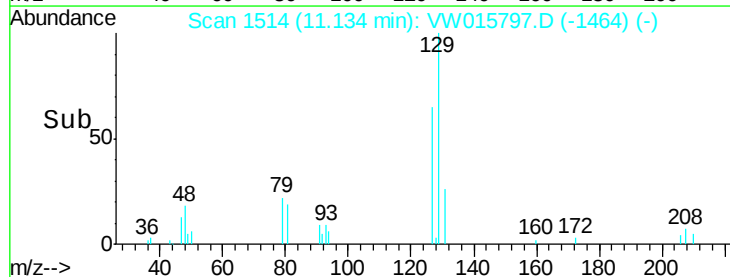
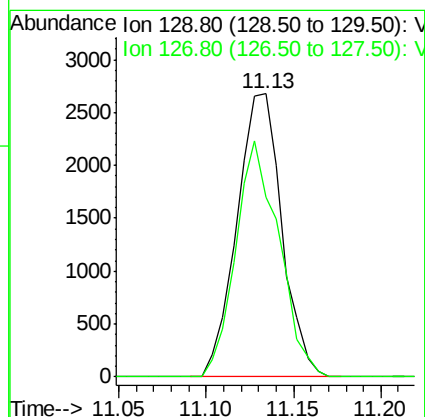
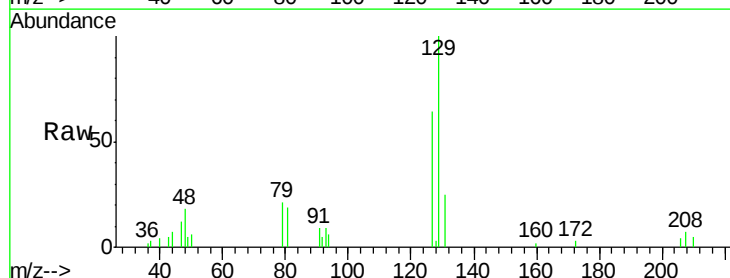
Acq: 07 Jul 2020 18:05

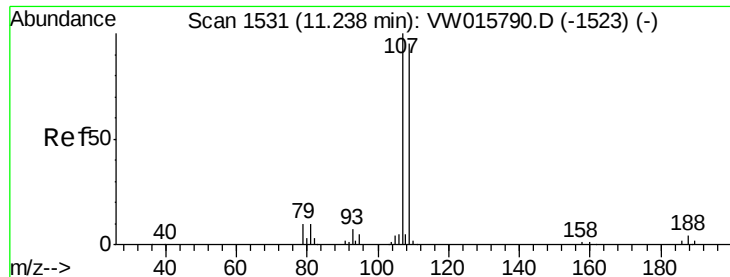
Tgt Ion: 129 Resp: 4808

Ion Ratio Lower Upper

129 100

127 80.0 39.4 118.1

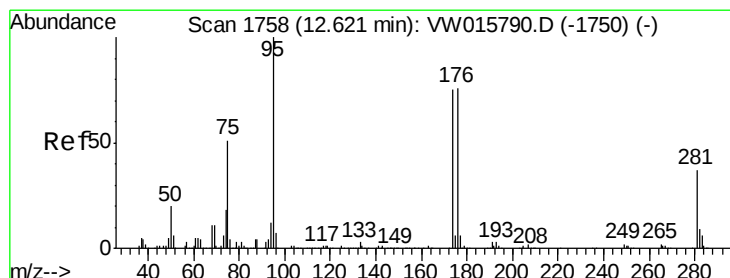
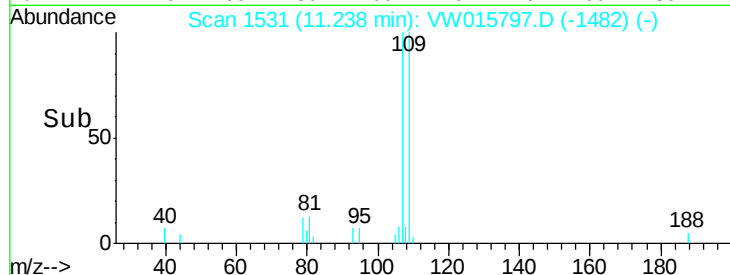
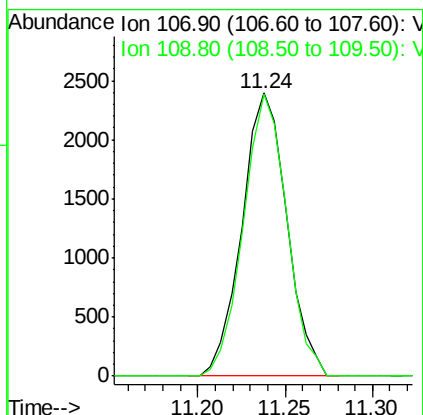
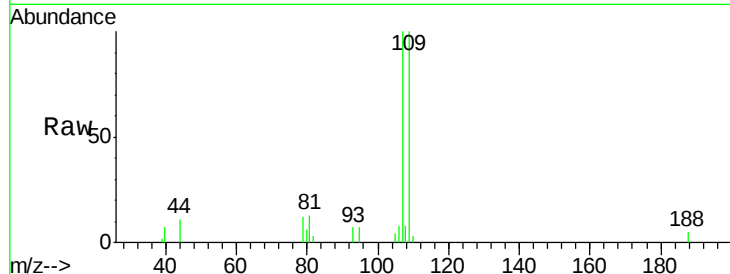




#61
1,2-Dibromoethane
Concen: 2.779 ug/l
RT: 11.24 min Scan# 1531
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

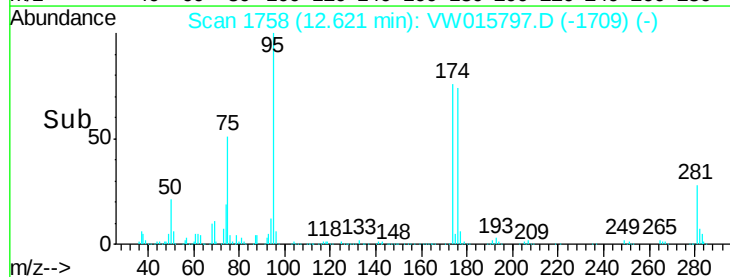
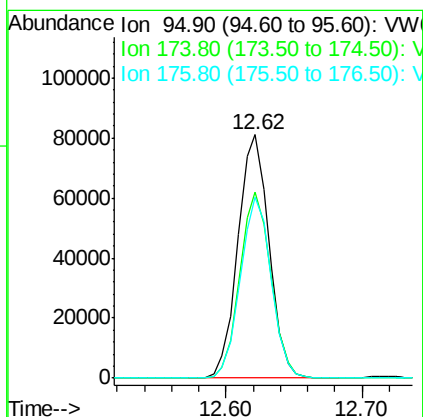
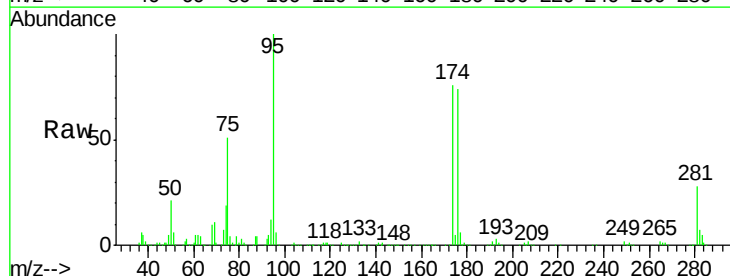
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

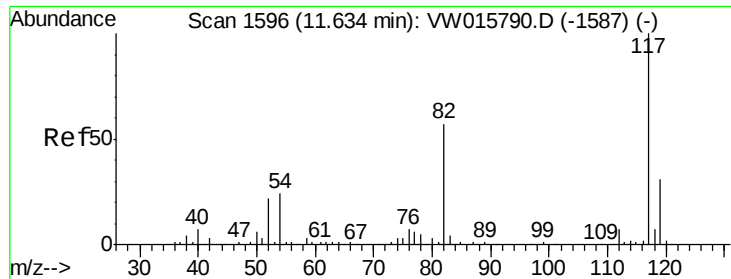
Tot Ion: 107 Resp: 4271
Ion Ratio Lower Upper
107 100
109 96.2 77.0 115.6



#62
4-Bromofluorobenzene
Concen: 46.421 ug/l
RT: 12.62 min Scan# 1758
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion: 95 Resp: 129398
Ion Ratio Lower Upper
95 100
174 76.6 0.0 150.2
176 74.1 0.0 148.4

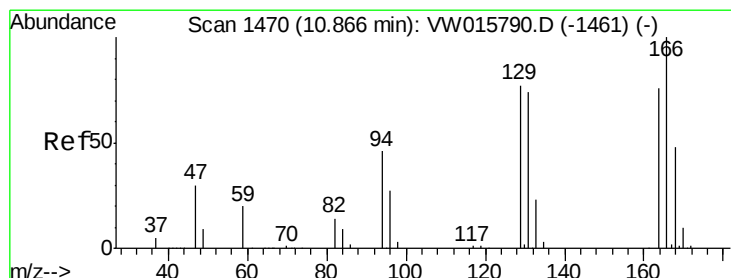
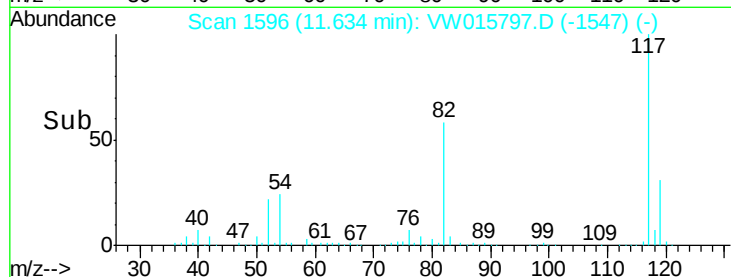
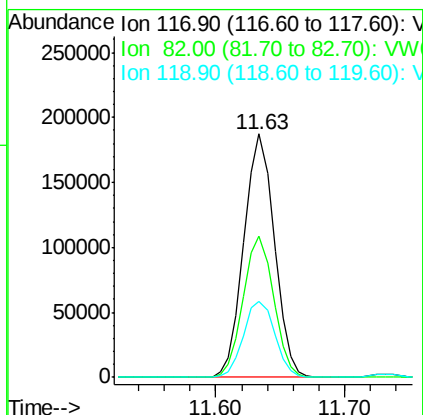
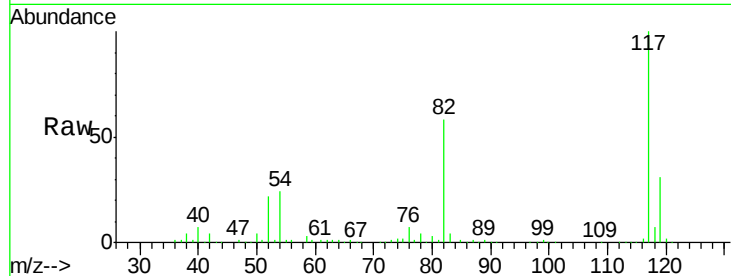




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

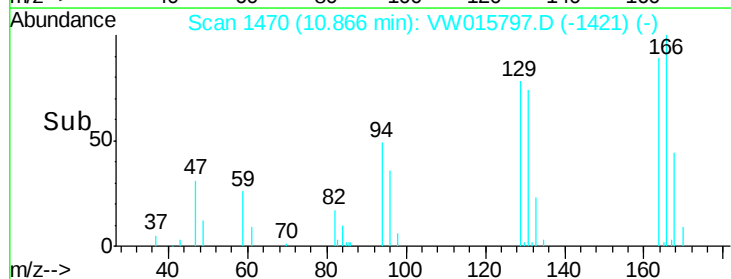
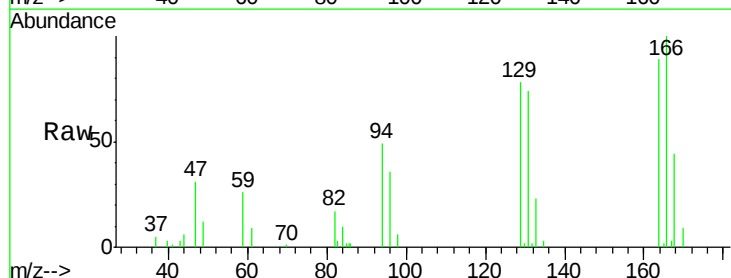
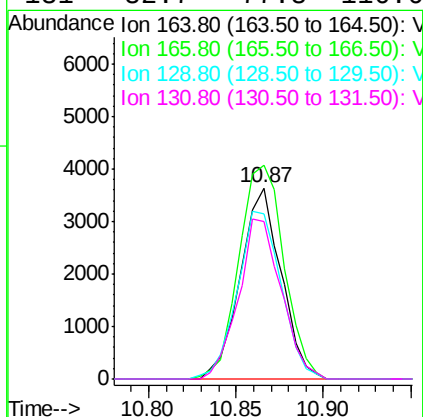
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

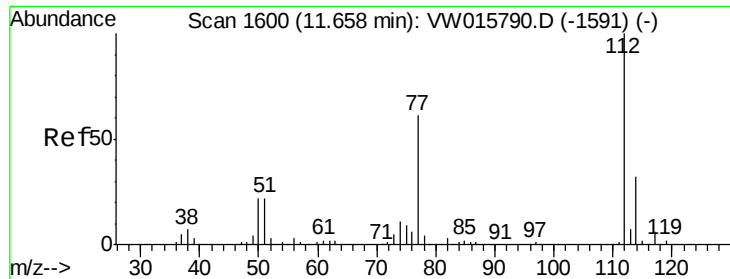
Tot Ion:117 Resp: 307420
Ion Ratio Lower Upper
117 100
82 57.8 45.5 68.3
119 31.0 25.0 37.6



#64
Tetrachloroethene
Concen: 3.037 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion:164 Resp: 5909
Ion Ratio Lower Upper
164 100
166 111.9 105.1 157.7
129 86.8 80.6 121.0
131 82.7 77.8 116.6

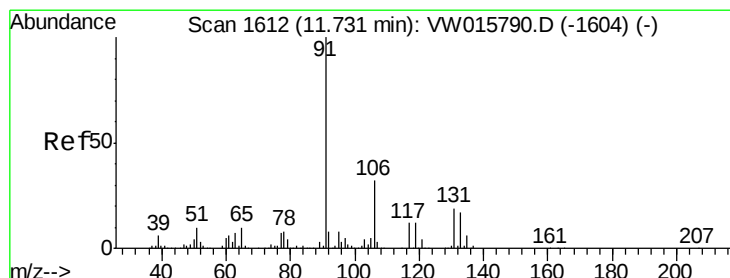
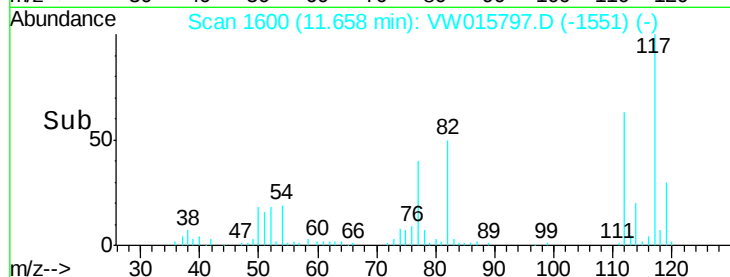
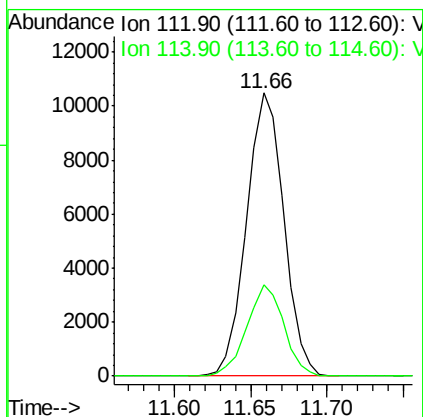
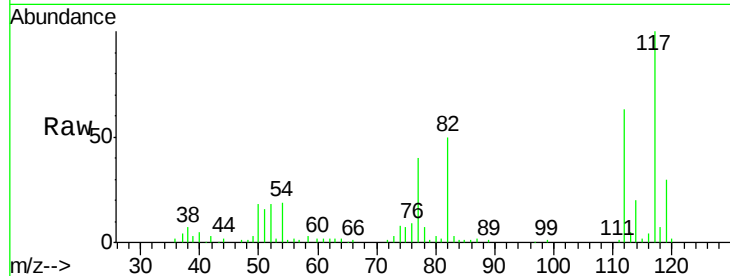




#65
Chlorobenzene
Concen: 2.963 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

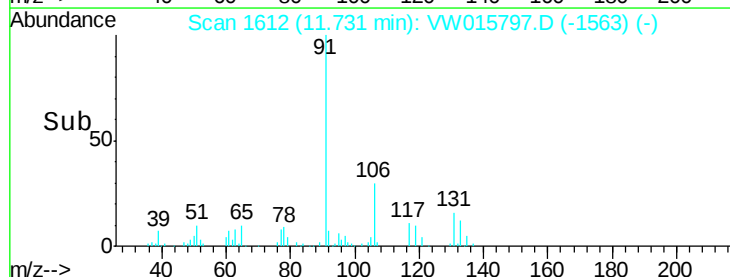
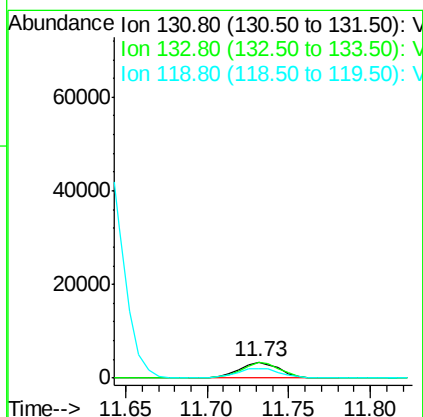
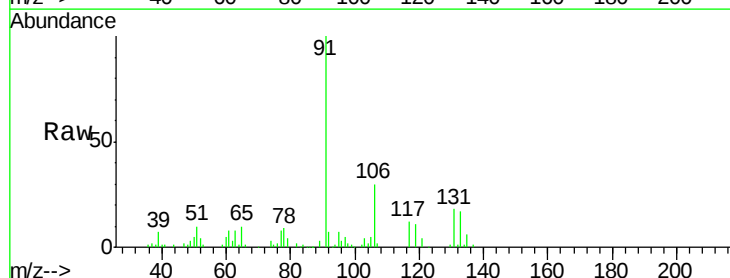
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

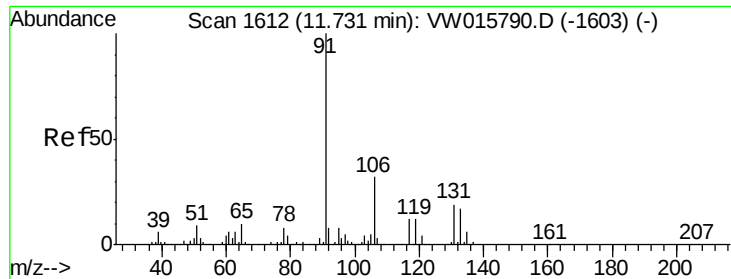
Tot Ion:112 Resp: 17812
Ion Ratio Lower Upper
112 100
114 32.1 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 2.698 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion:131 Resp: 5739
Ion Ratio Lower Upper
131 100
133 96.5 47.0 141.2
119 68.4 32.3 96.8

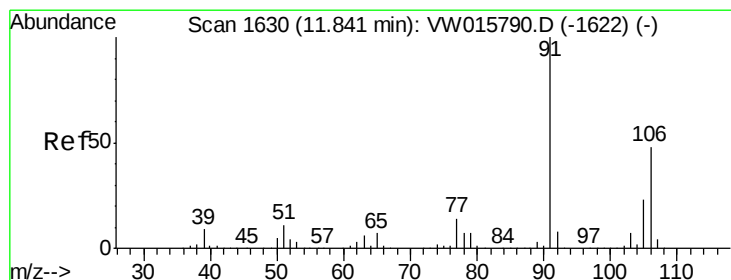
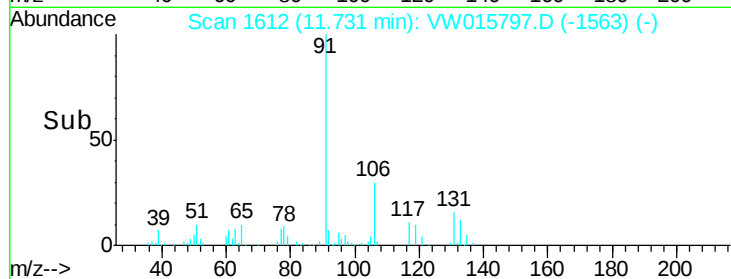
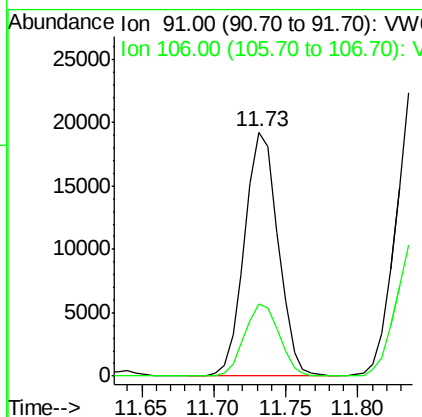
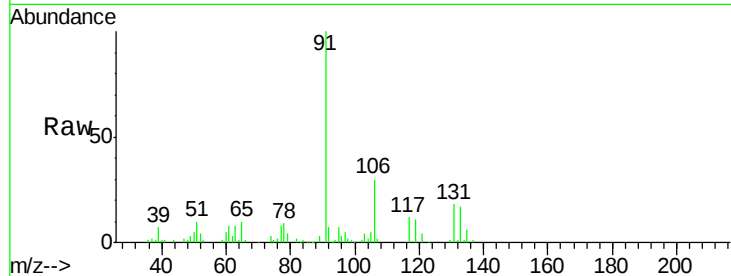




#67
Ethyl Benzene
Concen: 2.797 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

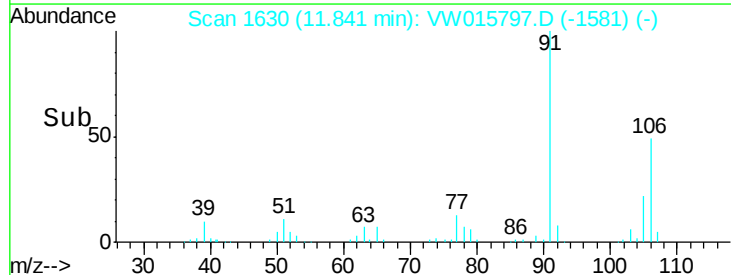
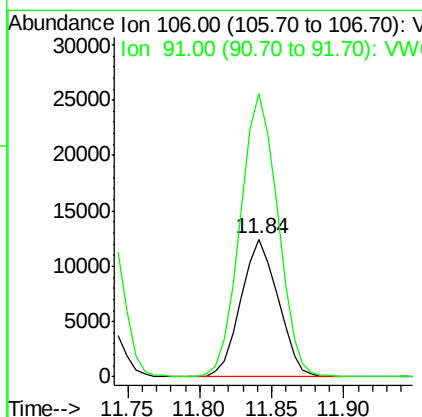
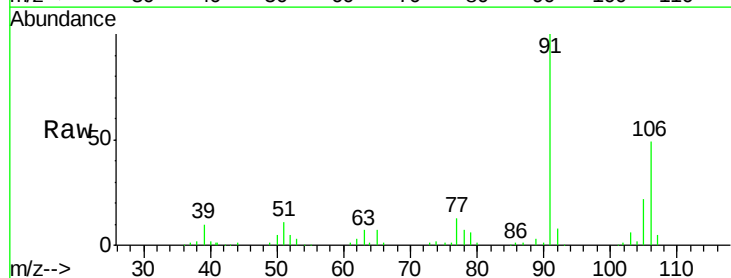
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

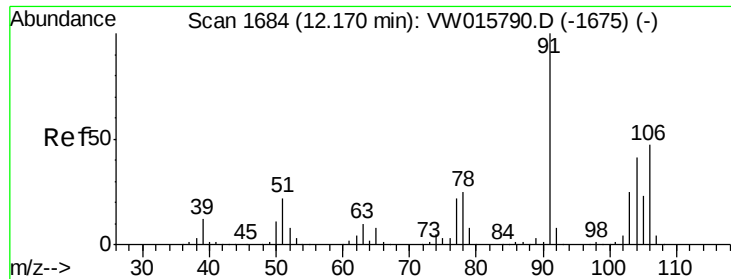
Tot Ion: 91 Resp: 31137
Ion Ratio Lower Upper
91 100
106 29.8 25.8 38.8



#68
m/p-Xylenes
Concen: 5.357 ug/l
RT: 11.84 min Scan# 1630
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion: 106 Resp: 22403
Ion Ratio Lower Upper
106 100
91 207.9 164.1 246.1

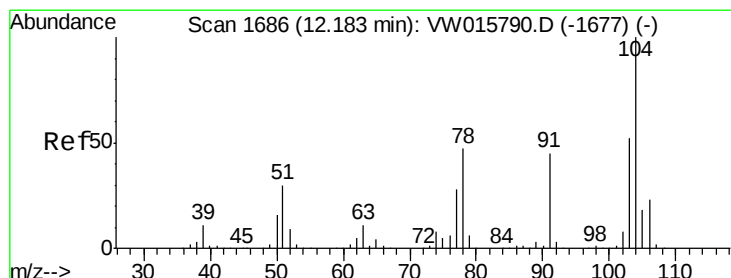
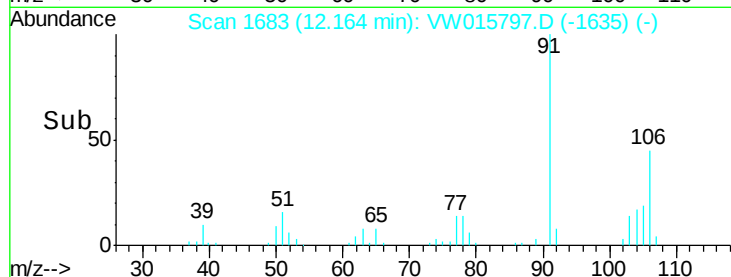
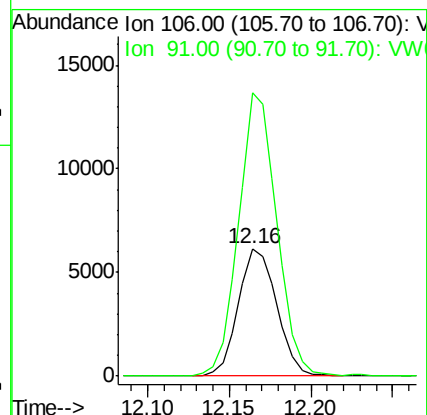
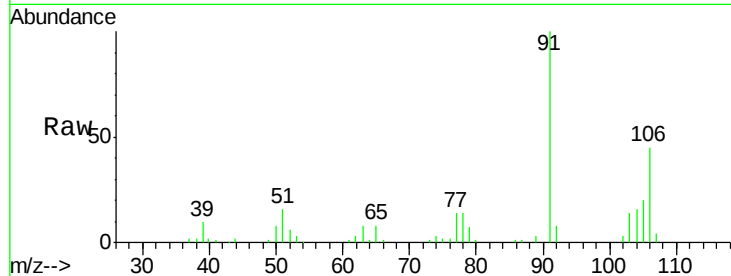




#69
o-Xylene
Concen: 2.636 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

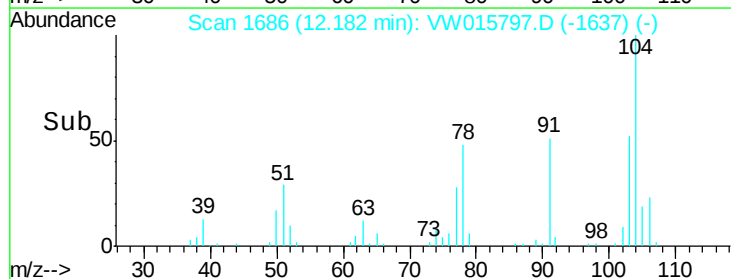
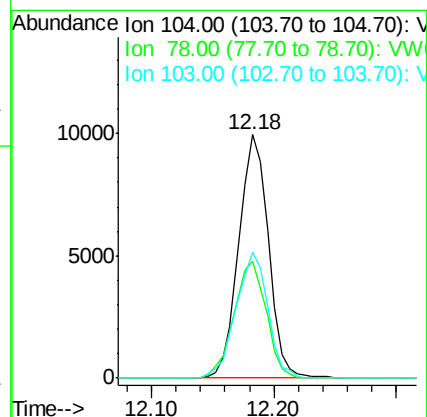
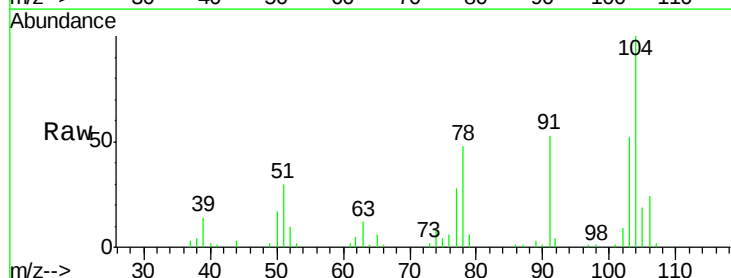
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

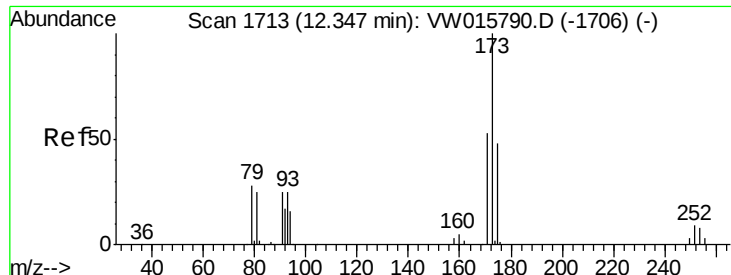
Tot Ion:106 Resp: 10062
Ion Ratio Lower Upper
106 100
91 221.5 108.5 325.3



#70
Styrene
Concen: 2.540 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion:104 Resp: 16687
Ion Ratio Lower Upper
104 100
78 51.9 41.0 61.4
103 55.3 43.8 65.8

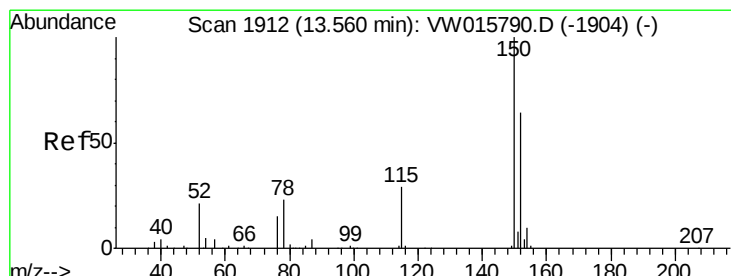
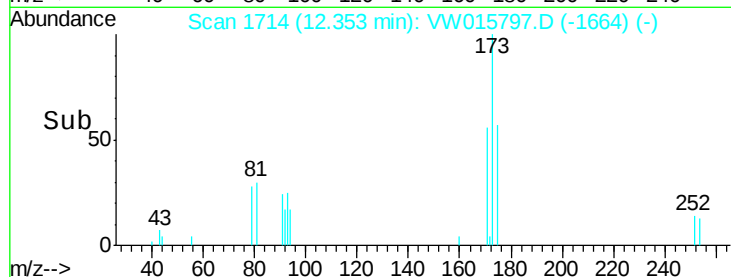
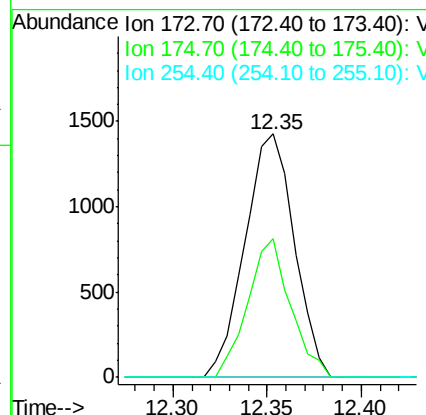
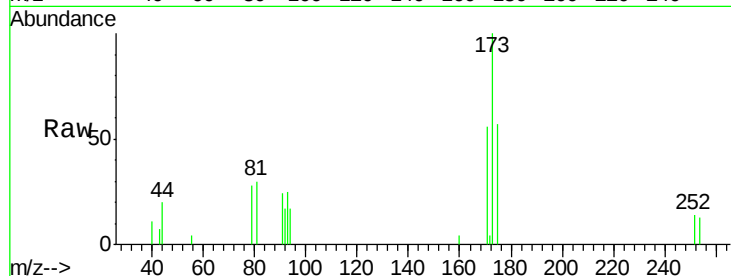




#71
Bromoform
Concen: 2.666 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

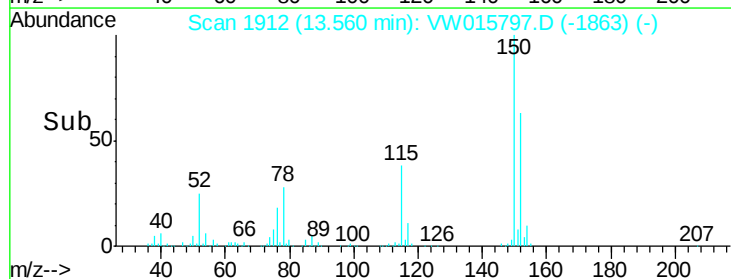
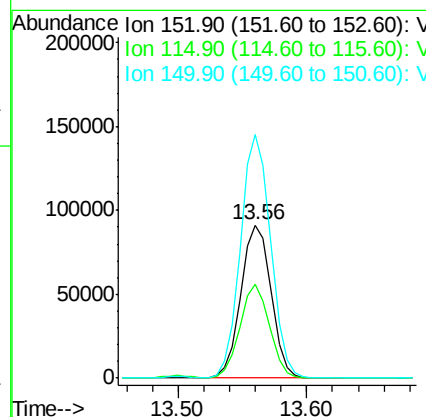
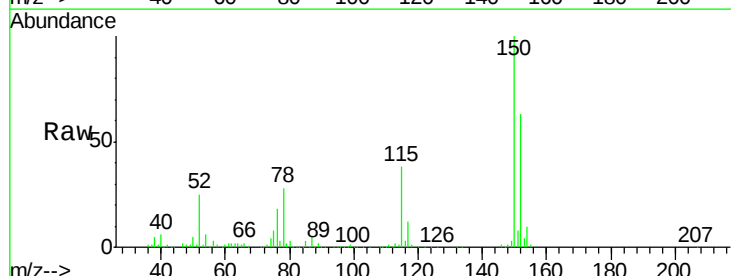
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

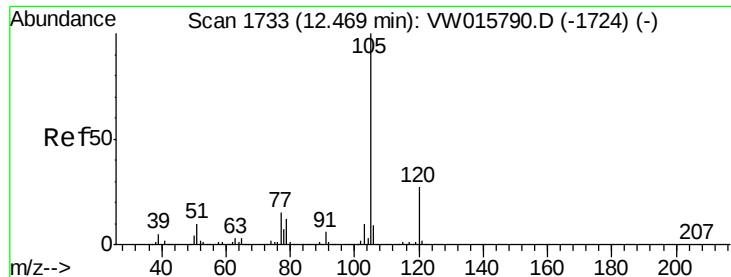
Tot Ion:173 Resp: 2589
Ion Ratio Lower Upper
173 100
175 49.3 23.5 70.5
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion:152 Resp: 147832
Ion Ratio Lower Upper
152 100
115 60.2 29.9 89.7
150 158.6 0.0 350.8





#73

Isopropylbenzene

Concen: 2.672 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.01 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

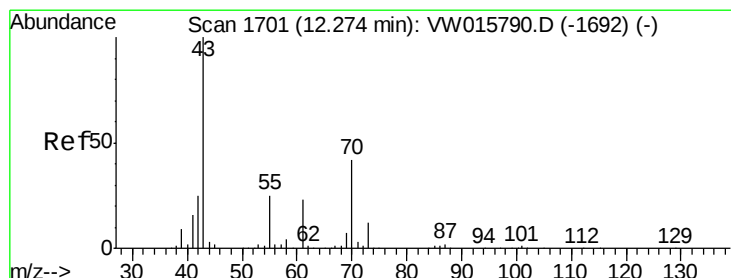
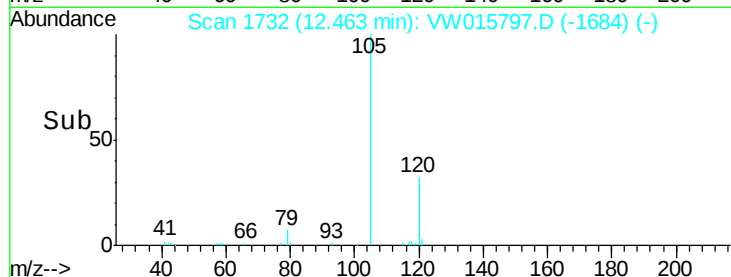
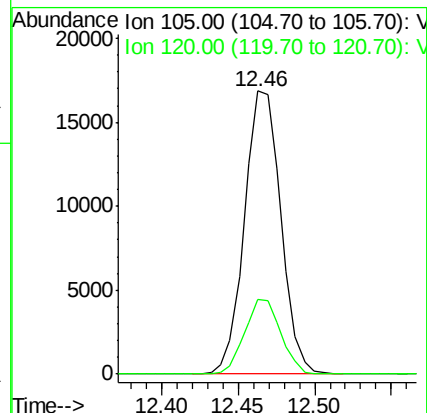
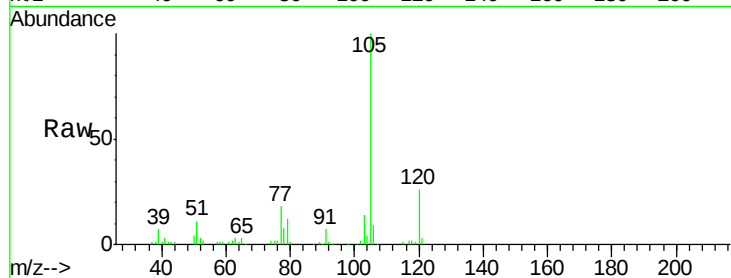
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:105 Resp: 27825

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.6



#74

N-ethyl acetate

Concen: 2.686 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Tgt Ion: 43 Resp: 5984

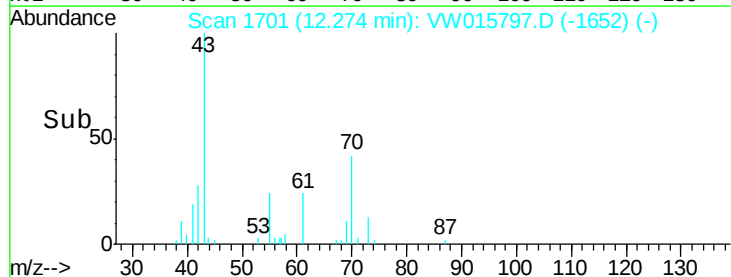
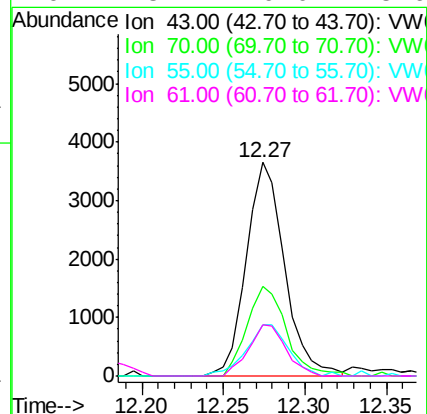
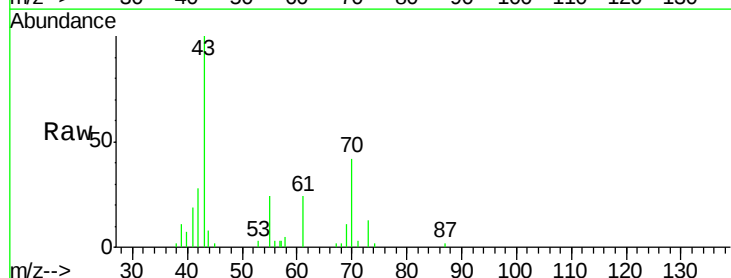
Ion Ratio Lower Upper

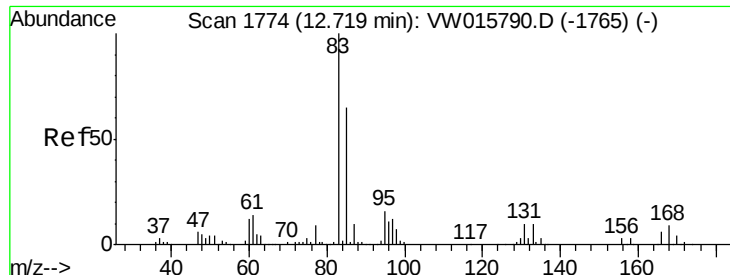
43 100

70 43.0 34.1 51.1

55 26.3 20.0 30.0

61 23.2 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 3.257 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

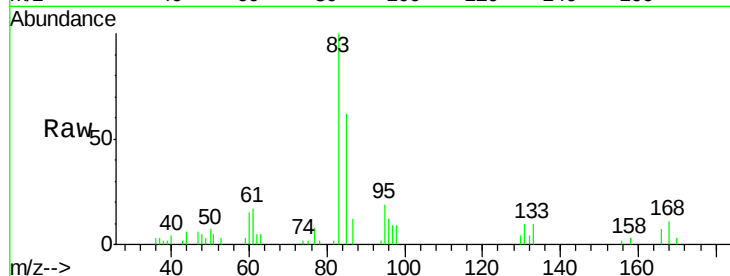
Tot Ion: 83 Resp: 5637

Ion Ratio Lower Upper

83 100

131 11.0 5.3 16.1

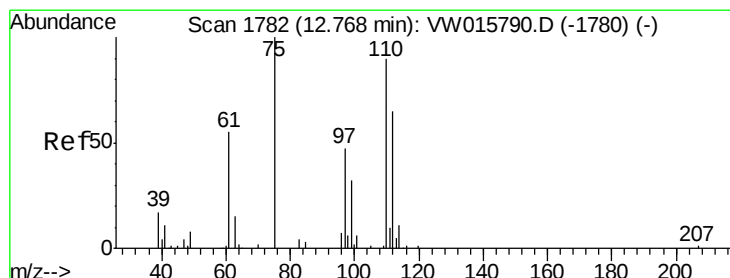
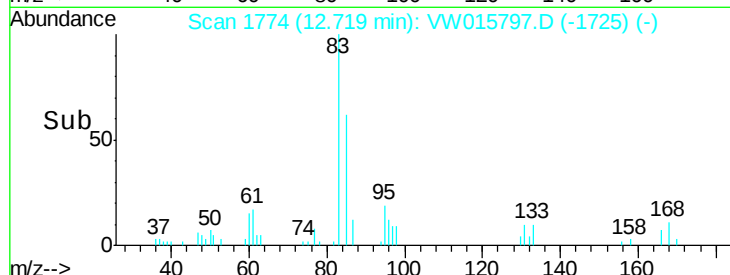
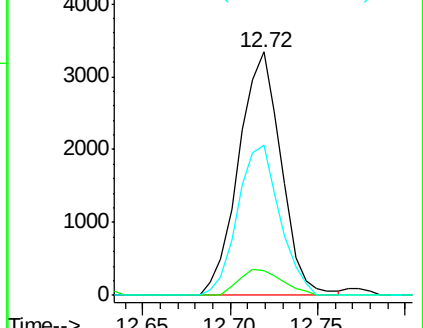
85 60.9 31.9 95.9



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: 3.103 ug/l m

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW015797.D

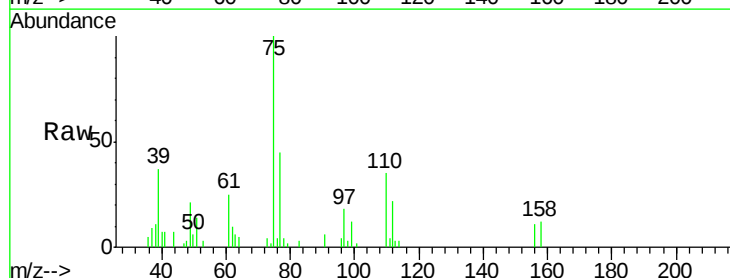
Acq: 07 Jul 2020 18:05

Tgt Ion: 75 Resp: 4031

Ion Ratio Lower Upper

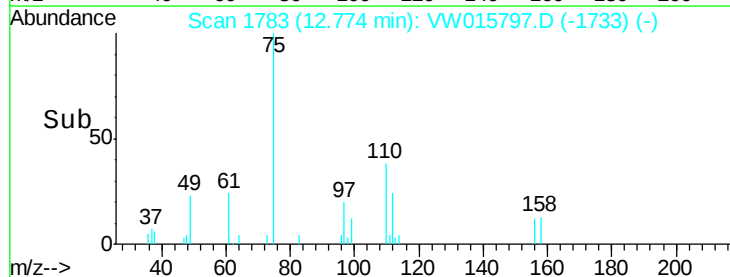
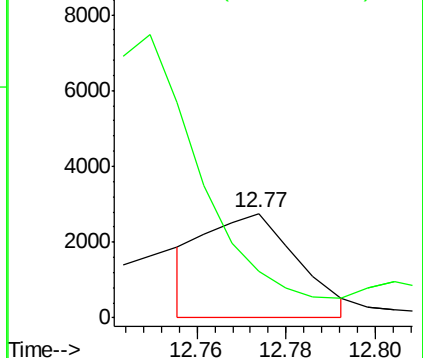
75 100

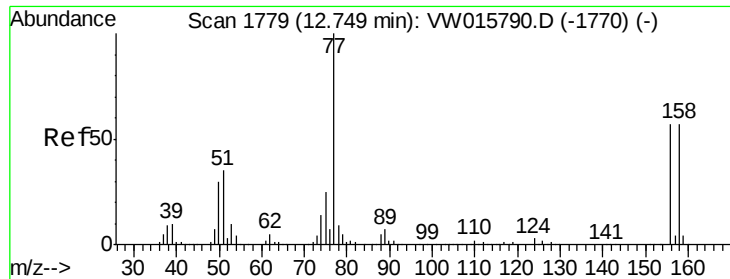
77 0.0 177.3 532.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 2.960 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

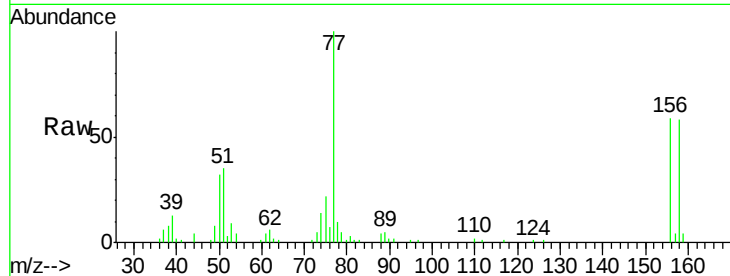
Tot Ion:156 Resp: 6912

Ion Ratio Lower Upper

156 100

77 196.2 98.8 296.4

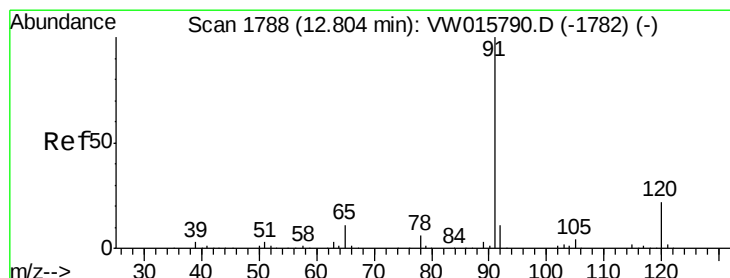
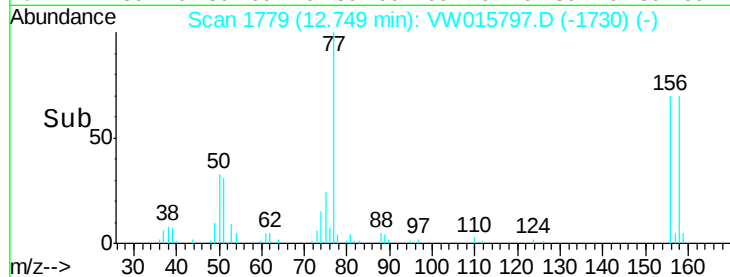
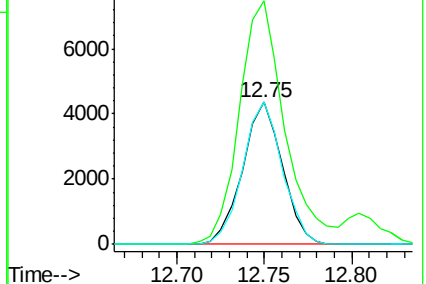
158 99.1 50.0 149.8



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: 2.830 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015797.D

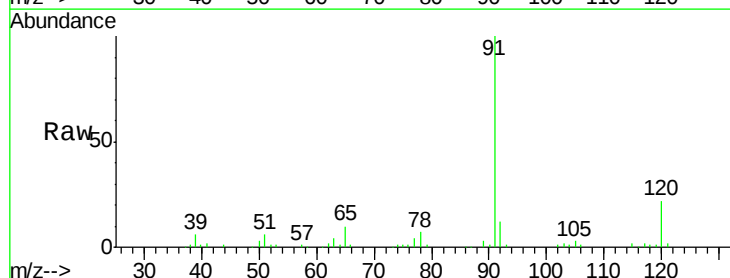
Acq: 07 Jul 2020 18:05

Tgt Ion: 91 Resp: 35777

Ion Ratio Lower Upper

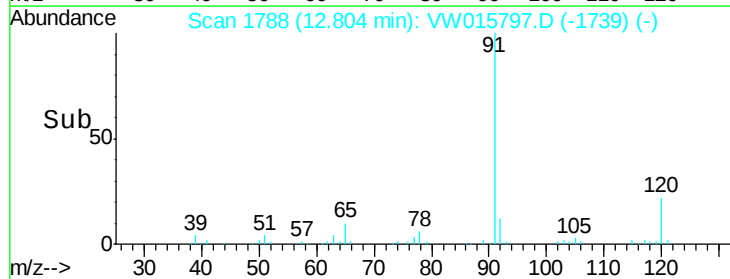
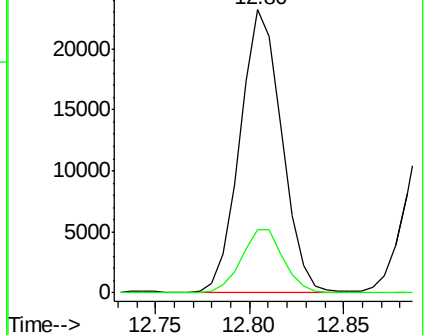
91 100

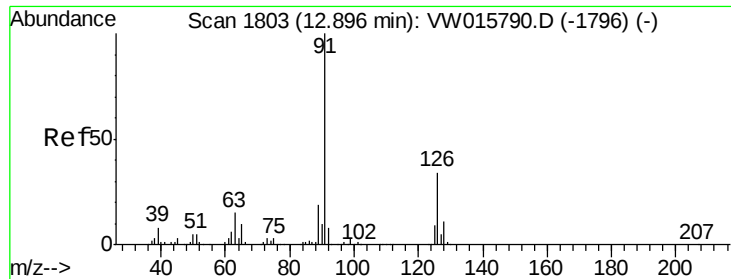
120 22.4 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

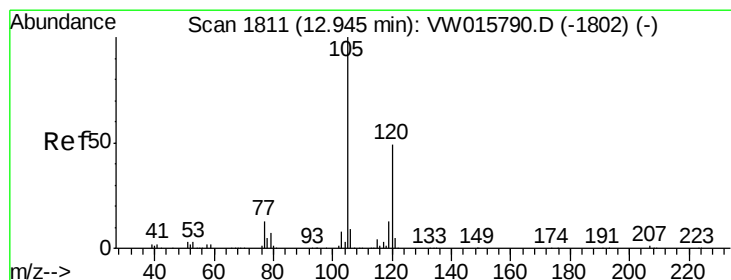
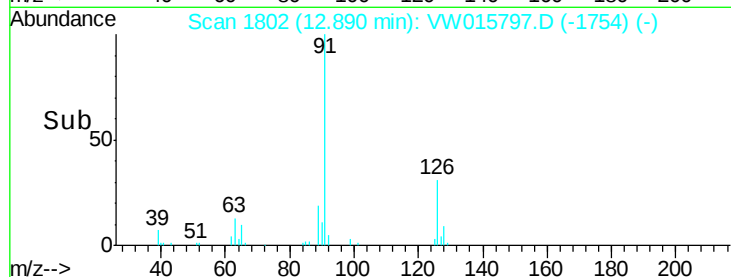
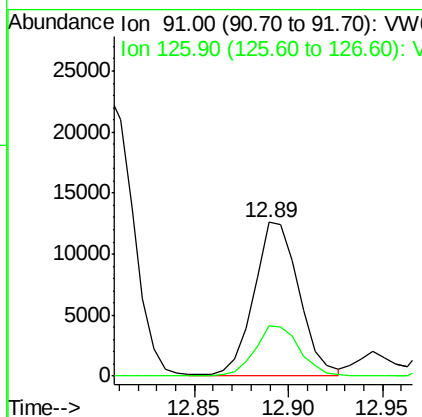
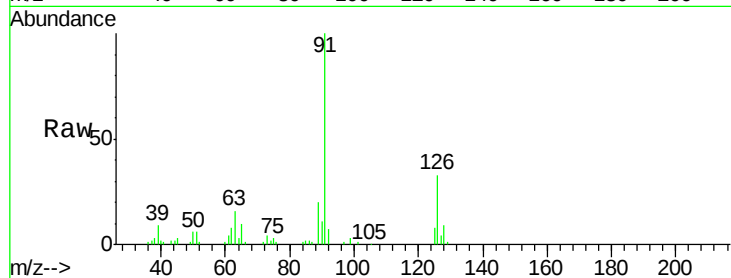




#79
 2-Chlorotoluene
 Concen: 2.922 ug/l
 RT: 12.89 min Scan# 1802
 Delta R.T. -0.01 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

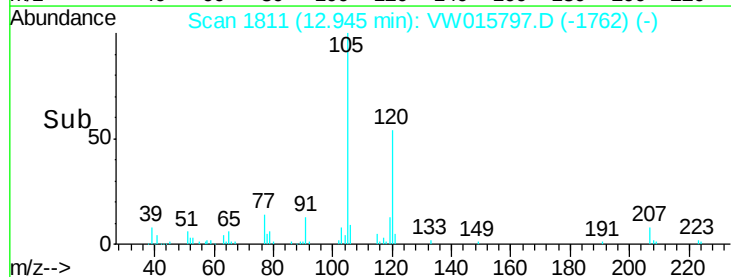
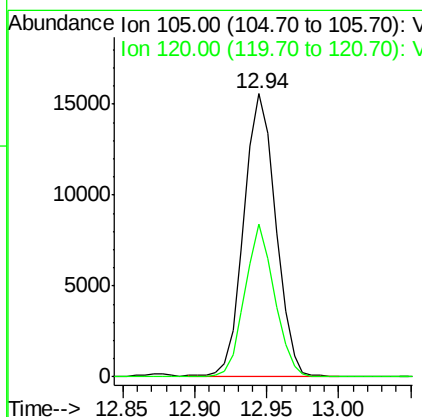
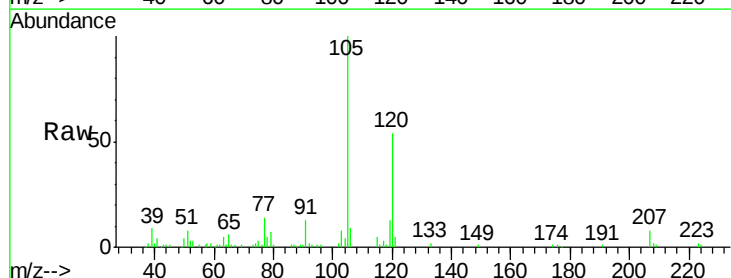
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

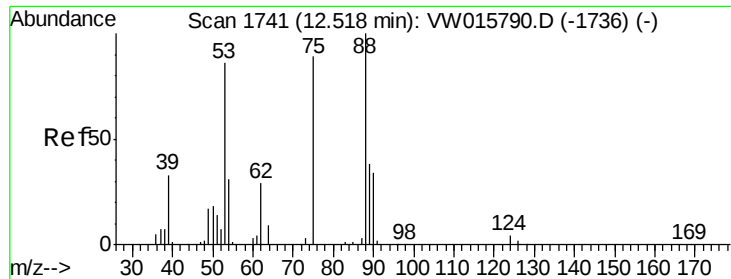
Tot Ion: 91 Resp: 21065
 Ion Ratio Lower Upper
 91 100
 126 32.0 16.5 49.5



#80
 1,3,5-Trimethylbenzene
 Concen: 2.696 ug/l
 RT: 12.94 min Scan# 1811
 Delta R.T. -0.00 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

Tgt Ion: 105 Resp: 23929
 Ion Ratio Lower Upper
 105 100
 120 49.9 25.1 75.3





#81

trans-1,4-Dichloro-2-butene

Concen: 2.172 ug/l m

RT: 12.52 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

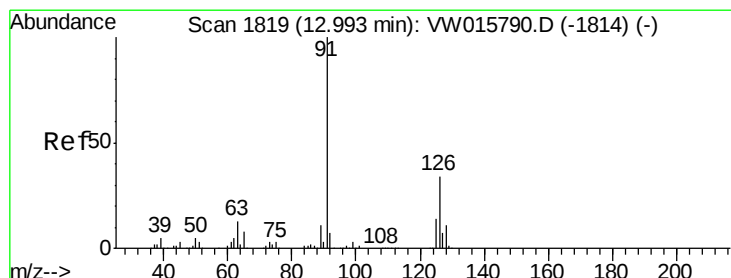
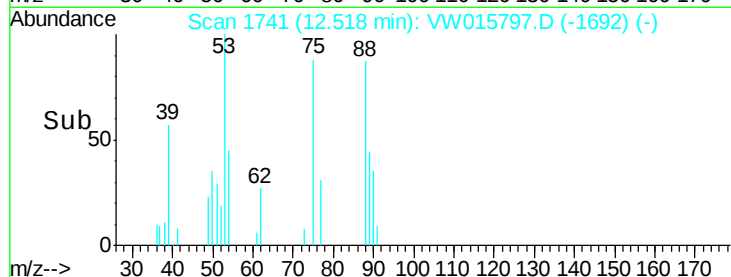
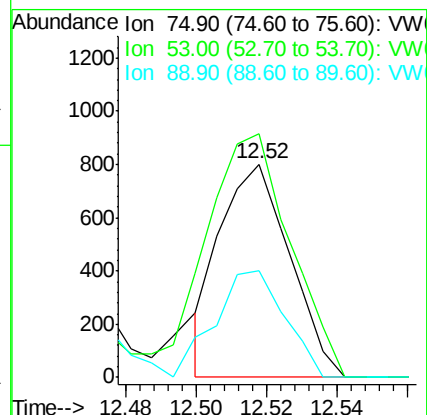
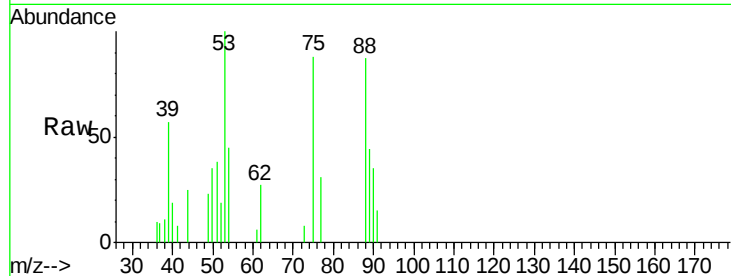
Tot Ion: 75 Resp: 1104

Ion Ratio Lower Upper

75 100

53 0.0 85.9 128.9#

89 34.6 36.2 54.4#



#82

4-Chlorotoluene

Concen: 2.891 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW015797.D

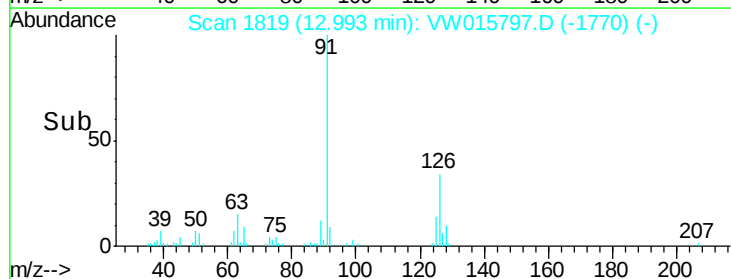
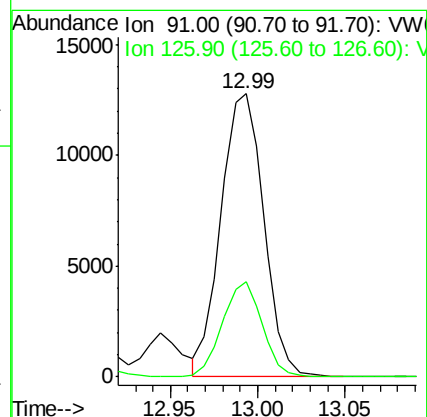
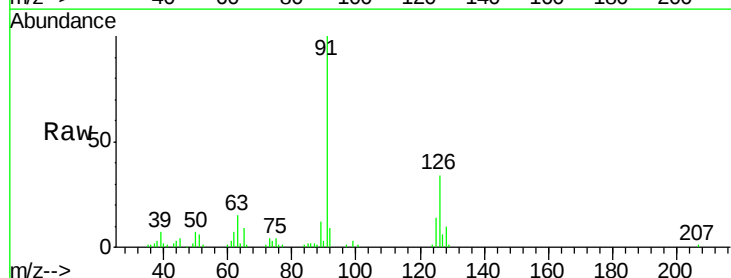
Acq: 07 Jul 2020 18:05

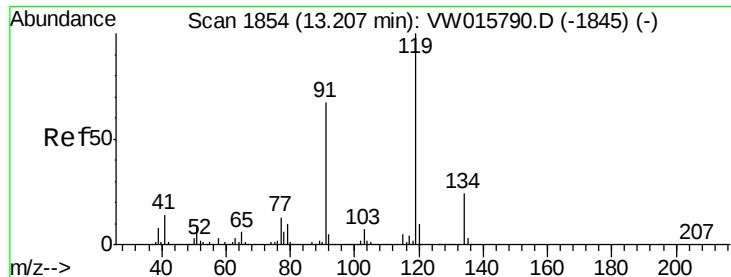
Tgt Ion: 91 Resp: 21763

Ion Ratio Lower Upper

91 100

126 31.3 16.3 48.9

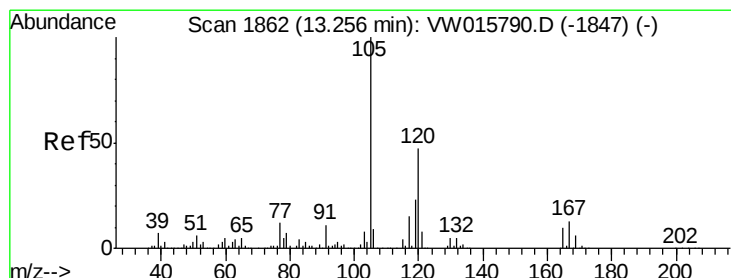
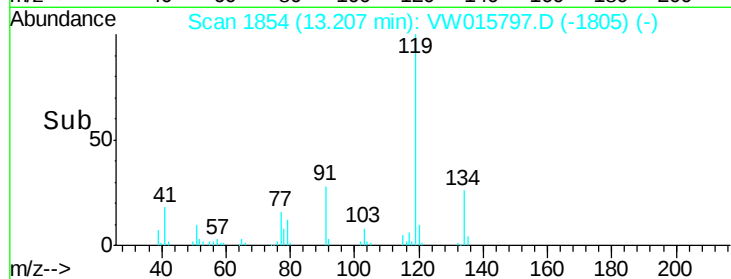
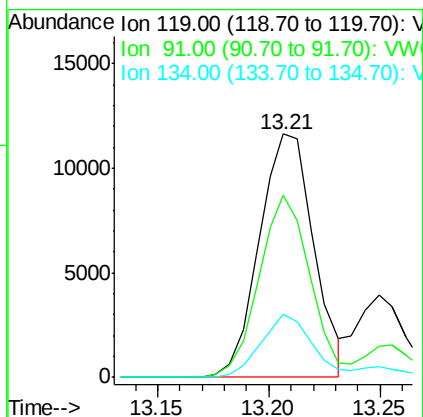
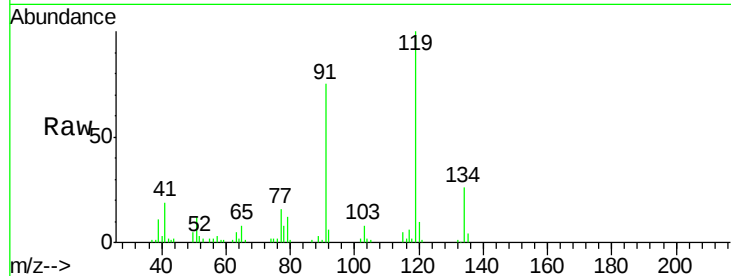




#83
tert-Butylbenzene
Concen: 2.680 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

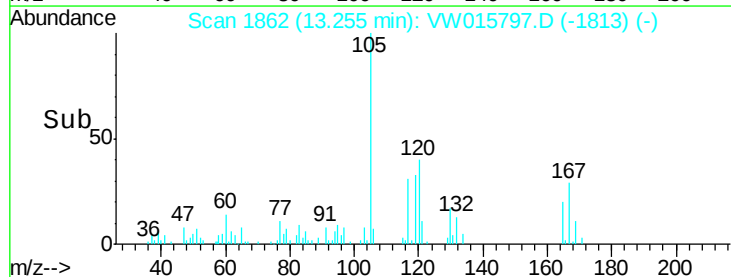
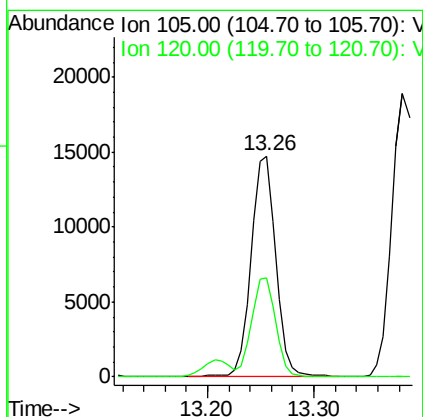
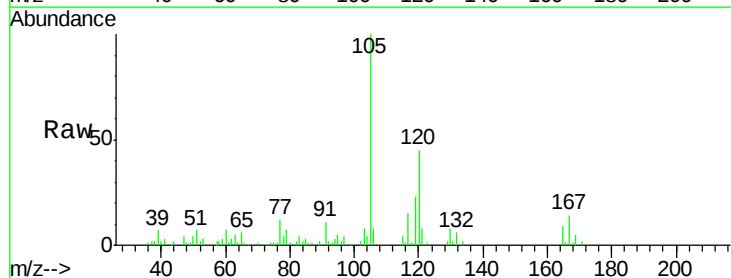
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

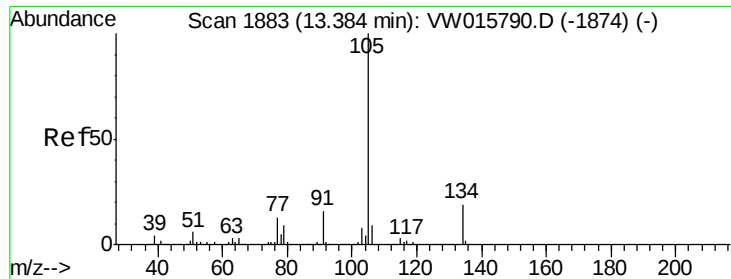
Tot Ion:119 Resp: 19752
Ion Ratio Lower Upper
119 100
91 70.6 34.4 103.3
134 24.4 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 2.715 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion:105 Resp: 24064
Ion Ratio Lower Upper
105 100
120 43.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 2.782 ug/l

RT: 13.38 min Scan# 1883

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

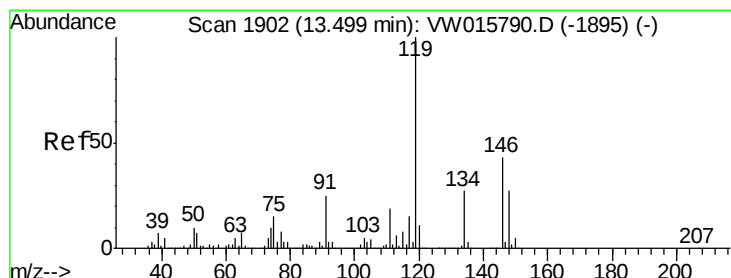
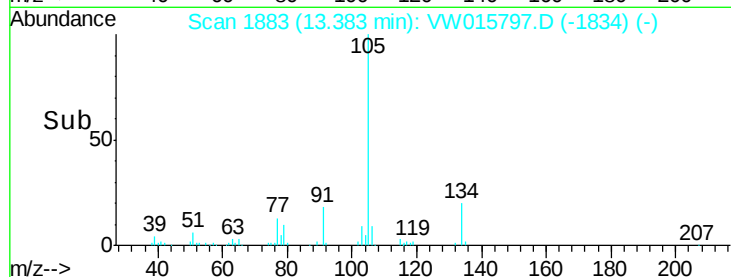
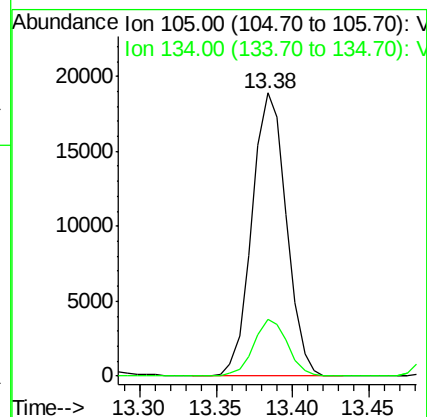
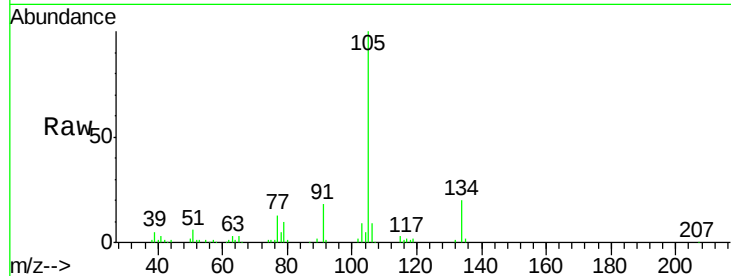
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:105 Resp: 29604

Ion Ratio Lower Upper

105 100

134 19.8 10.0 29.8



#86

p-Isopropyltoluene

Concen: 2.660 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

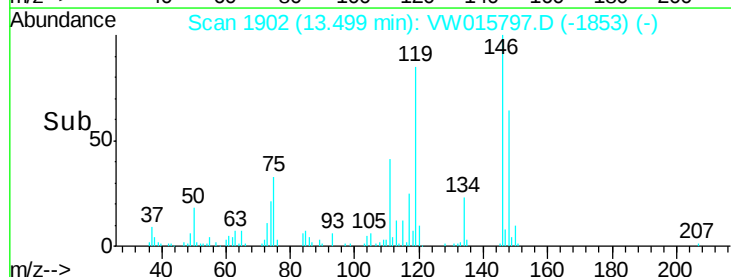
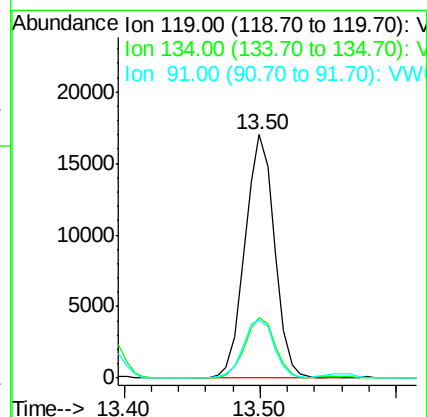
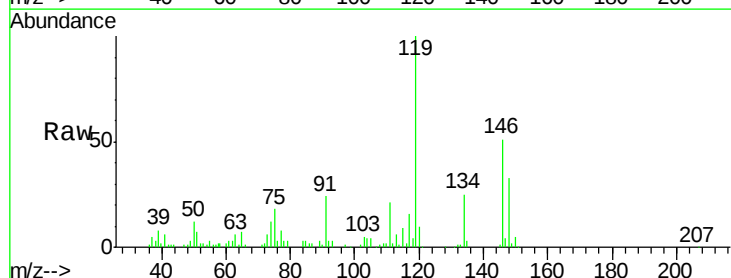
Tgt Ion:119 Resp: 25846

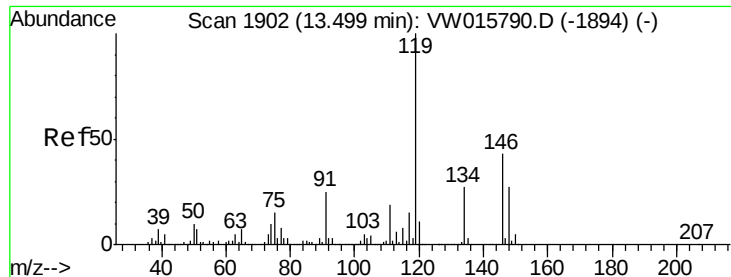
Ion Ratio Lower Upper

119 100

134 25.3 13.2 39.6

91 25.2 12.2 36.6

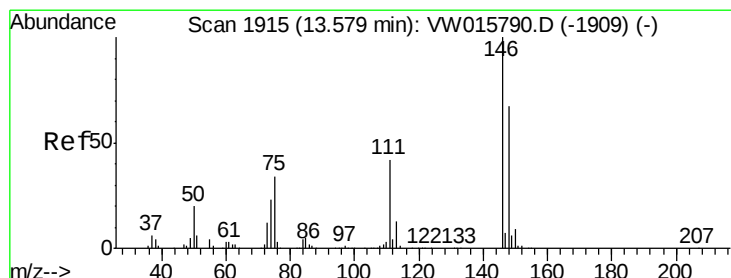
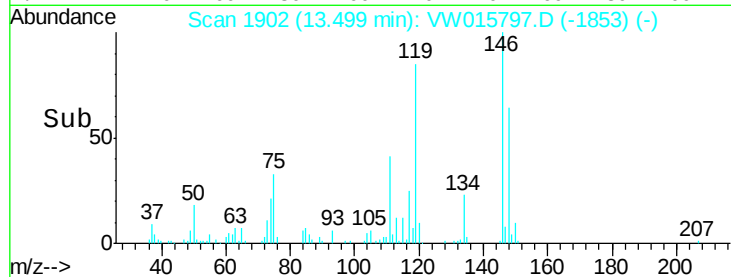
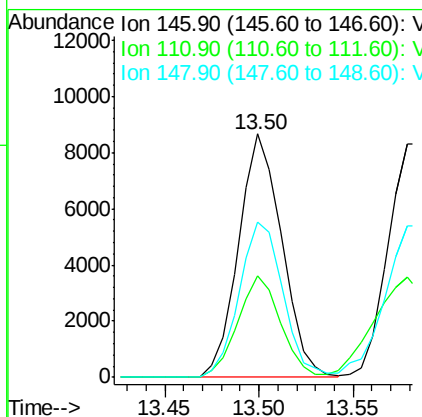
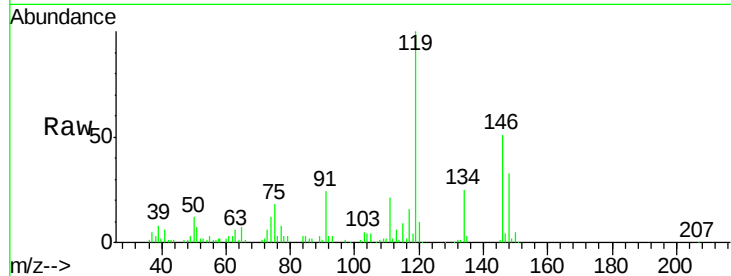




#87
 1,3-Dichlorobenzene
 Concen: 2.948 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

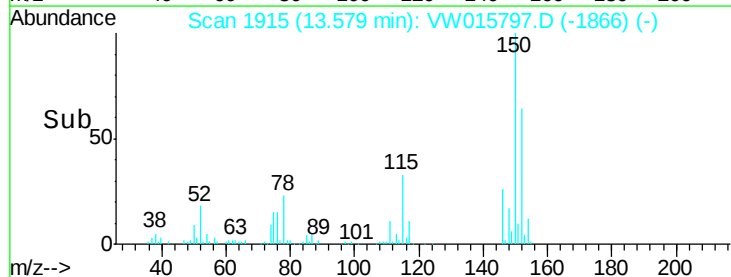
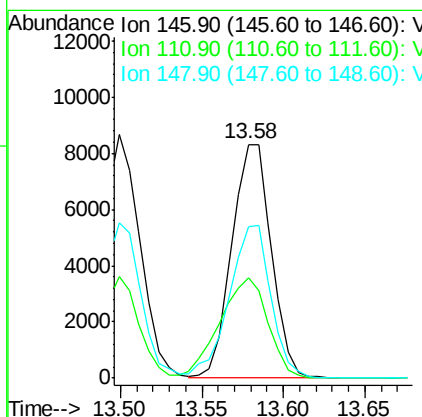
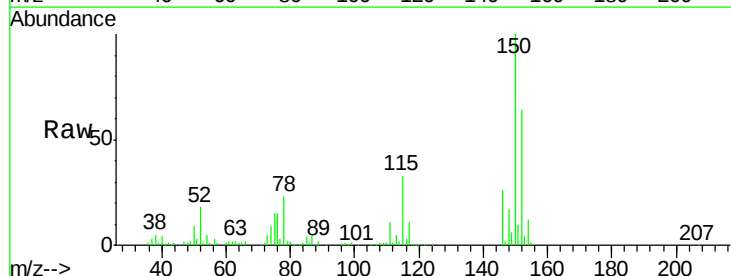
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

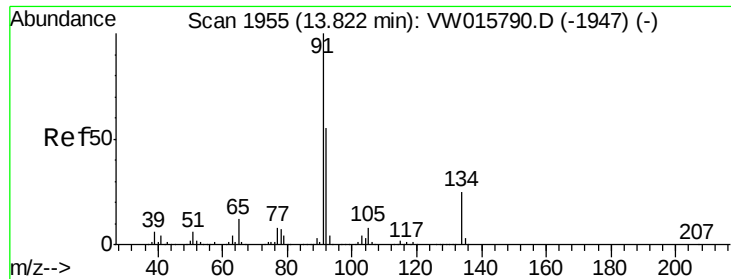
Tot Ion:146 Resp: 13798
 Ion Ratio Lower Upper
 146 100
 111 41.1 20.8 62.4
 148 64.6 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 3.073 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

Tgt Ion:146 Resp: 14081
 Ion Ratio Lower Upper
 146 100
 111 52.3 20.2 60.6
 148 68.7 31.8 95.4

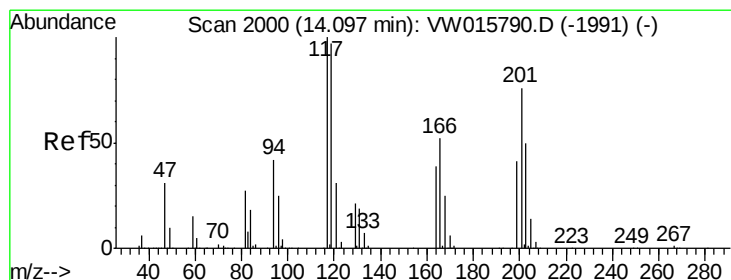
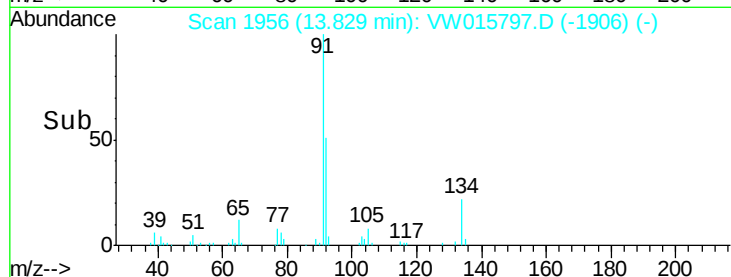
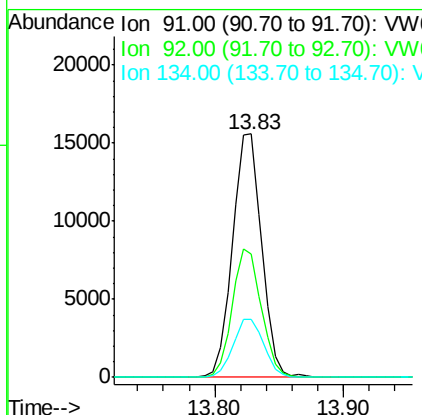
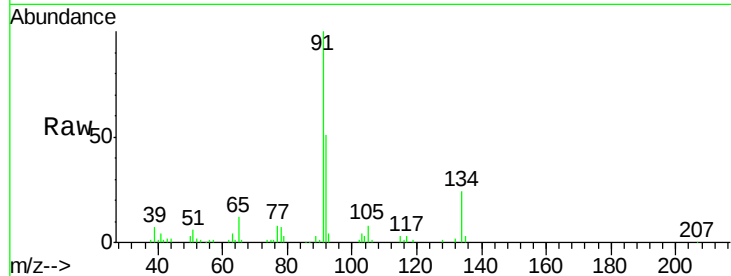




#89
n-Butylbenzene
Concen: 2.639 ug/l
RT: 13.83 min Scan# 1956
Delta R.T. 0.01 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

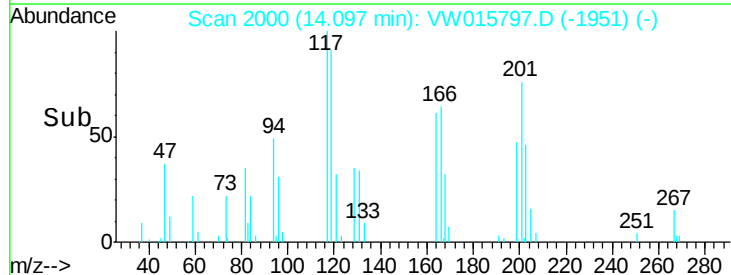
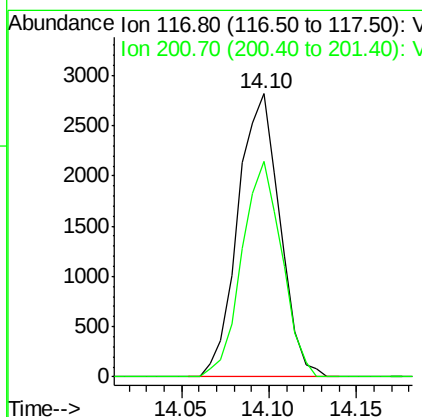
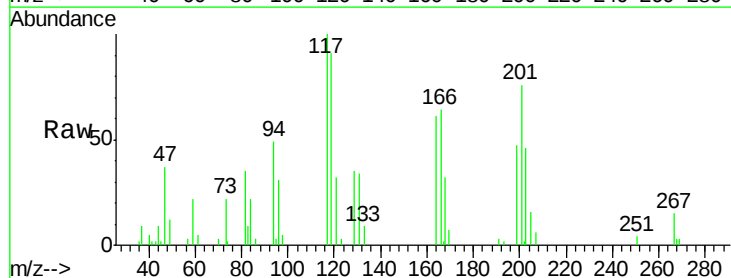
Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

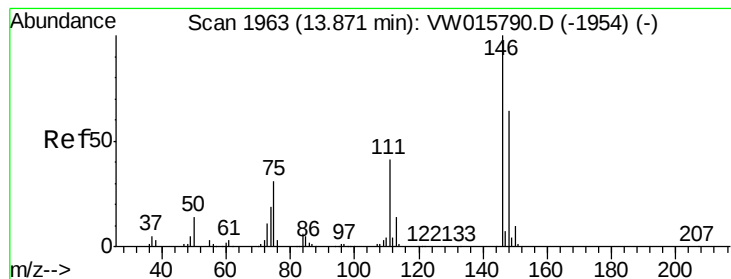
Tot Ion: 91 Resp: 24541
Ion Ratio Lower Upper
91 100
92 52.6 27.2 81.6
134 25.2 12.7 38.1



#90
Hexachloroethane
Concen: 2.675 ug/l
RT: 14.10 min Scan# 2000
Delta R.T. -0.00 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion: 117 Resp: 4712
Ion Ratio Lower Upper
117 100
201 72.6 37.1 111.3





#91

1,2-Dichlorobenzene

Concen: 2.967 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

Instrument :

MSVOA_W

ClientSampleId :

LOD-MDL-SOIL-01-QT3-2020

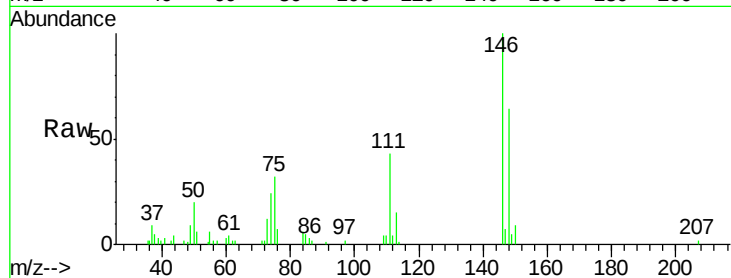
Tot Ion:146 Resp: 12034

Ion Ratio Lower Upper

146 100

111 43.4 20.6 61.9

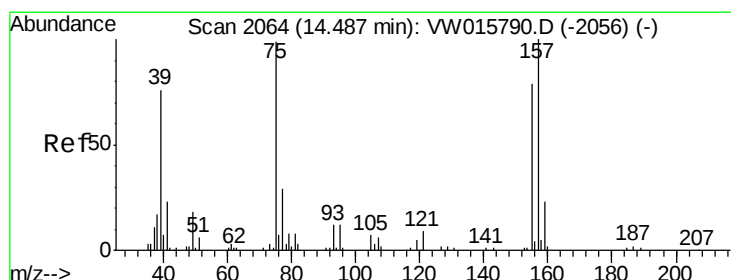
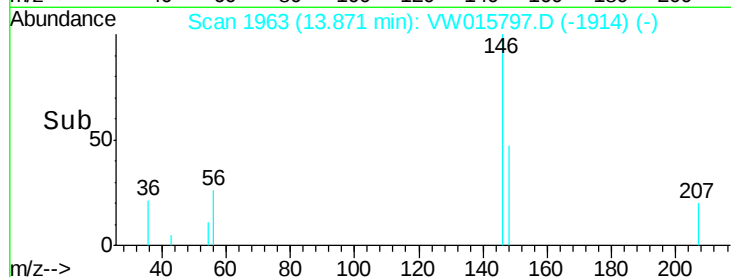
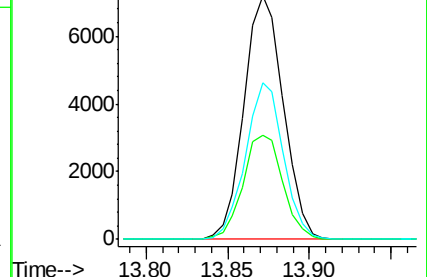
148 62.3 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.172 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015797.D

Acq: 07 Jul 2020 18:05

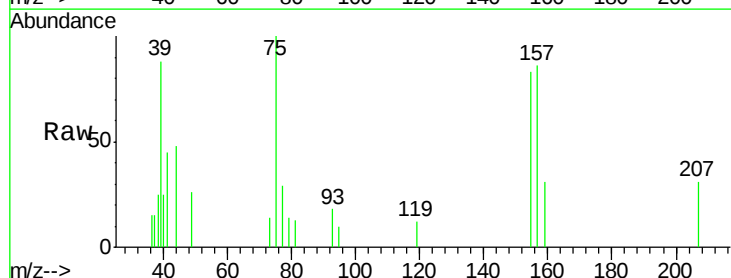
Tgt Ion: 75 Resp: 877

Ion Ratio Lower Upper

75 100

155 74.5 39.1 117.5

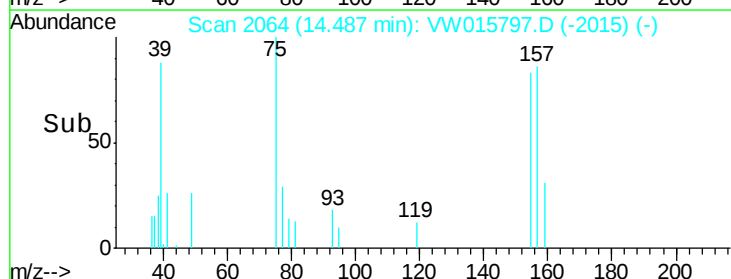
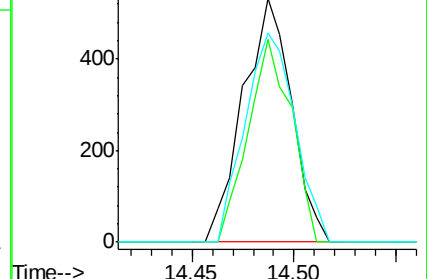
157 88.6 49.1 147.4

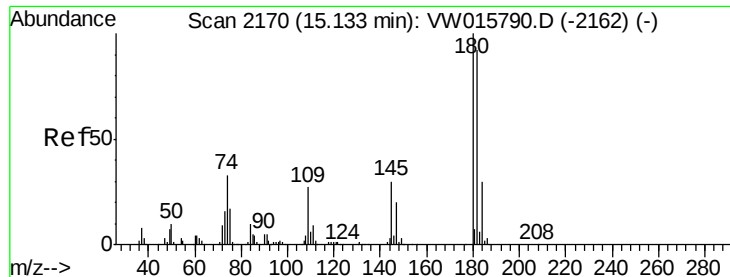


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

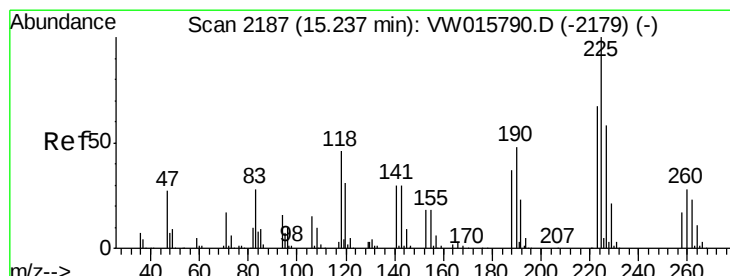
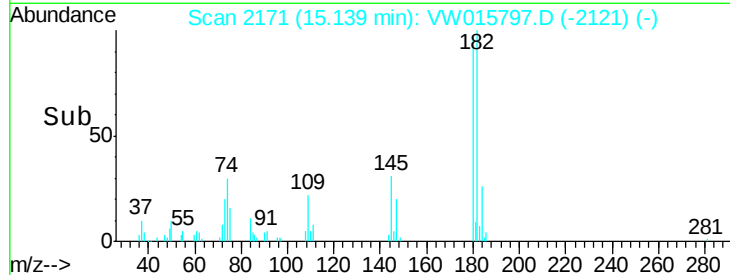
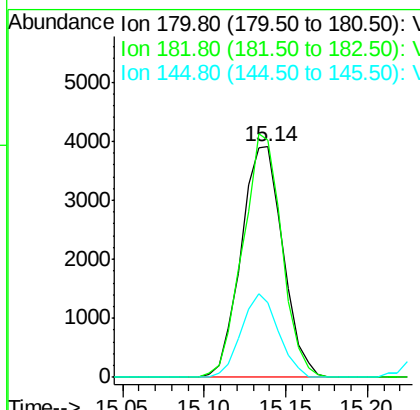
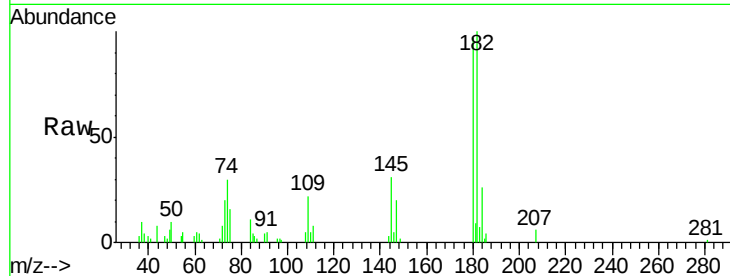




#93
 1,2,4-Trichlorobenzene
 Concen: 2.726 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

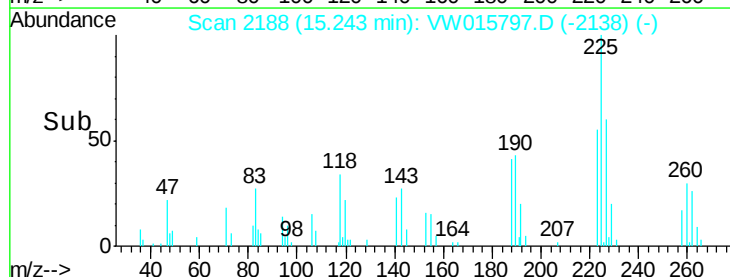
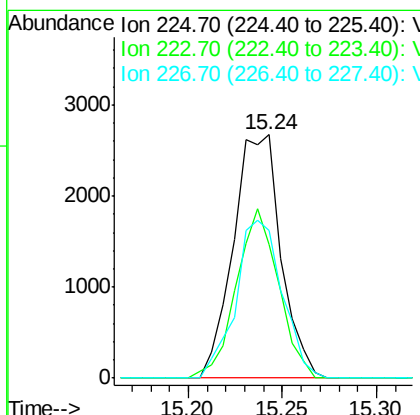
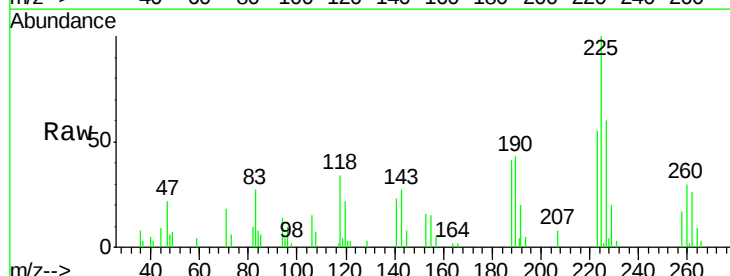
Instrument :
 MSVOA_W
 ClientSampleId :
 LOD-MDL-SOIL-01-QT3-2020

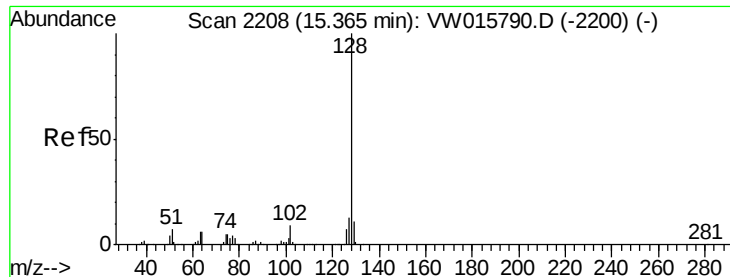
Tot Ion:180 Resp: 6970
 Ion Ratio Lower Upper
 180 100
 182 98.2 46.8 140.3
 145 32.1 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 2.886 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW015797.D
 Acq: 07 Jul 2020 18:05

Tgt Ion:225 Resp: 4685
 Ion Ratio Lower Upper
 225 100
 223 61.5 32.4 97.2
 227 63.3 30.7 92.1

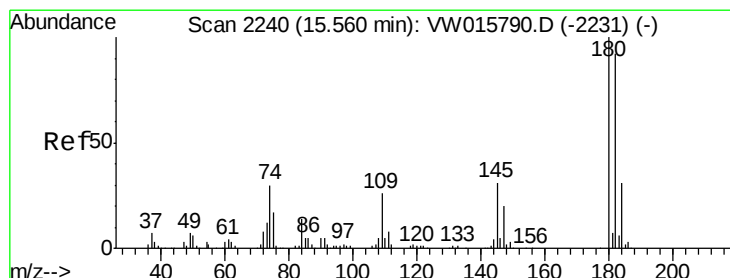
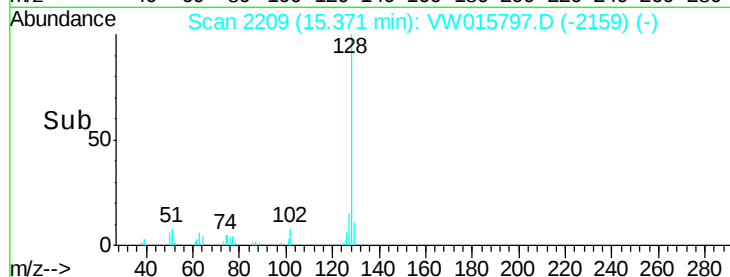
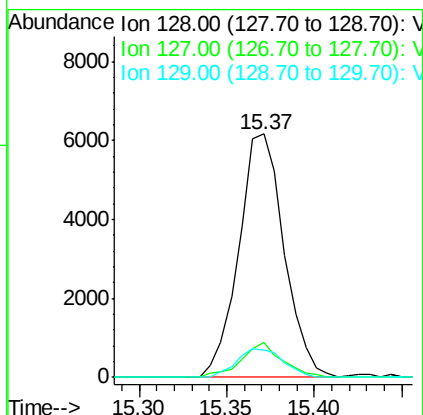
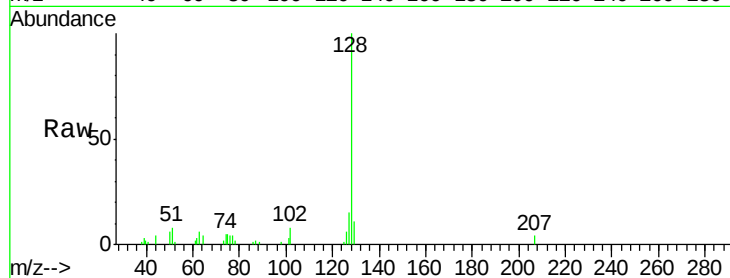




#95
Naphthalene
Concen: 2.595 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Instrument :
MSVOA_W
ClientSampleId :
LOD-MDL-SOIL-01-QT3-2020

Tot Ion:128 Resp: 11091
Ion Ratio Lower Upper
128 100
127 13.0 10.6 16.0
129 12.0 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 2.845 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW015797.D
Acq: 07 Jul 2020 18:05

Tgt Ion:180 Resp: 6189
Ion Ratio Lower Upper
180 100
182 97.8 47.7 143.1
145 32.3 16.7 50.0

