

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070720\
 Data File : VW015799.D
 Acq On : 07 Jul 2020 18:52
 Operator : SY/VA
 Sample : L3216-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Quant Time: Jul 08 09:14:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 08 08:47:47 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	192739	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	318160	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	289810	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	140110	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	100494	50.63	ug/l	0.00
Spiked Amount			Recovery	=	101.26%	
35) Dibromofluoromethane	7.89	113	87933	47.37	ug/l	0.00
Spiked Amount			Recovery	=	94.74%	
50) Toluene-d8	10.32	98	341638	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	12.62	95	125225	47.86	ug/l	0.00
Spiked Amount			Recovery	=	95.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	5414	5.334	ug/l	100
3) Chloromethane	2.21	50	8481	6.152	ug/l	95
4) Vinyl Chloride	2.36	62	11870	5.577	ug/l	98
5) Bromomethane	2.78	94	8992	5.521	ug/l	90
6) Chloroethane	2.93	64	7651	5.326	ug/l	96
7) Trichlorofluoromethane	3.26	101	7751	5.067	ug/l	94
8) Diethyl Ether	3.68	74	5302	5.563	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	4.06	101	10023	5.597	ug/l	98
10) Methyl Iodide	4.27	142	13889	5.548	ug/l	97
11) Tert butyl alcohol	5.17	59	4436	40.025	ug/l #	82
12) 1,1-Dichloroethene	4.04	96	9460	5.373	ug/l	89
13) Acrolein	3.89	56	3803	27.621	ug/l	94
14) Allyl chloride	4.67	41	15207	5.314	ug/l	99
15) Acrylonitrile	5.37	53	10382	27.860	ug/l	99
16) Acetone	4.13	43	10846	29.206	ug/l	98
17) Carbon Disulfide	4.38	76	26588	5.077	ug/l	95
18) Methyl Acetate	4.68	43	4947	5.854	ug/l	99
19) Methyl tert-butyl Ether	5.43	73	14864	5.641	ug/l #	90
20) Methylene Chloride	4.92	84	22914	10.625	ug/l	94
21) trans-1,2-Dichloroethene	5.43	96	10982	5.385	ug/l	89
22) Diisopropyl ether	6.32	45	30402	5.272	ug/l	93
23) Vinyl Acetate	6.26	43	83718	24.409	ug/l	99
24) 1,1-Dichloroethane	6.22	63	19951	5.465	ug/l	99
25) 2-Butanone	7.18	43	14098	27.968	ug/l	97
26) 2,2-Dichloropropane	7.17	77	13112	5.725	ug/l	98
27) cis-1,2-Dichloroethene	7.17	96	11743	5.363	ug/l	94
28) Bromochloromethane	7.51	49	7836	5.414	ug/l	99
29) Tetrahydrofuran	7.54	42	8226	26.892	ug/l	98
30) Chloroform	7.68	83	20554	5.507	ug/l	98
31) Cyclohexane	7.96	56	21340	6.211	ug/l #	86
32) 1,1,1-Trichloroethane	7.88	97	16495	5.271	ug/l	99
36) 1,1-Dichloropropene	8.09	75	16006	5.103	ug/l	100
37) Ethyl Acetate	7.26	43	6405	5.256	ug/l	99
38) Carbon Tetrachloride	8.07	117	15082	4.970	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	18304	4.946	ug/l	99
40) Benzene	8.32	78	44444	5.173	ug/l	99
41) Methacrylonitrile	7.48	41	3687m	5.329	ug/l	
42) 1,2-Dichloroethane	8.40	62	14531	5.434	ug/l	99
43) Isopropyl Acetate	8.43	43	12158	5.111	ug/l	99
44) Trichloroethene	9.09	130	11426	5.028	ug/l	89
45) 1,2-Dichloropropane	9.38	63	10947	5.184	ug/l	96
46) Dibromomethane	9.46	93	5676	5.221	ug/l	96
47) Bromodichloromethane	9.65	83	13801	4.908	ug/l	97
48) Methyl methacrylate	9.44	41	5928	5.438	ug/l	95
49) 1,4-Dioxane	9.45	88	1353	100.662	ug/l #	89
51) 4-Methyl-2-Pentanone	10.21	43	28633	24.667	ug/l	98
52) Toluene	10.39	92	28433	5.143	ug/l	100
53) t-1,3-Dichloropropene	10.61	75	12383	4.590	ug/l	99
54) cis-1,3-Dichloropropene	10.07	75	15043	4.661	ug/l	99
55) 1,1,2-Trichloroethane	10.79	97	7606	5.045	ug/l	97
56) Ethyl methacrylate	10.65	69	8701	4.695	ug/l	98
57) 1,3-Dichloropropane	10.93	76	13745	5.151	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	22161	24.471	ug/l	99
59) 2-Hexanone	10.98	43	18588	23.996	ug/l	99
60) Dibromochloromethane	11.13	129	8226	4.725	ug/l	99
61) 1,2-Dibromoethane	11.24	107	7327	5.080	ug/l	96
64) Tetrachloroethene	10.87	164	9531	5.197	ug/l	95
65) Chlorobenzene	11.66	112	30017	5.296	ug/l	93
66) 1,1,1,2-Tetrachloroethane	11.73	131	10053	5.012	ug/l	97
67) Ethyl Benzene	11.73	91	52900	5.040	ug/l	95
68) m/p-Xylenes	11.85	106	38598	9.790	ug/l	100
69) o-Xylene	12.16	106	17398	4.834	ug/l	95
70) Styrene	12.18	104	29433	4.753	ug/l	99
71) Bromoform	12.35	173	4259	4.652	ug/l #	95
73) Isopropylbenzene	12.47	105	48264	4.890	ug/l	99
74) N-amyl acetate	12.27	43	10524	4.983	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.71	83	8569	5.225	ug/l	98
76) 1,2,3-Trichloropropane	12.77	75	6046m	4.910	ug/l	
77) Bromobenzene	12.75	156	11740	5.304	ug/l	98
78) n-propylbenzene	12.80	91	60678	5.065	ug/l	100
79) 2-Chlorotoluene	12.90	91	35463	5.190	ug/l	100
80) 1,3,5-Trimethylbenzene	12.94	105	42042	4.997	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.52	75	2018m	4.189	ug/l	
82) 4-Chlorotoluene	12.99	91	36941	5.178	ug/l	99
83) tert-Butylbenzene	13.21	119	35022	5.014	ug/l	99
84) 1,2,4-Trimethylbenzene	13.25	105	42240	5.028	ug/l	98
85) sec-Butylbenzene	13.38	105	50800	5.036	ug/l	100
86) p-Isopropyltoluene	13.50	119	46345	5.032	ug/l	99
87) 1,3-Dichlorobenzene	13.50	146	23118	5.211	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	23790	5.477	ug/l	96
89) n-Butylbenzene	13.82	91	43840	4.974	ug/l	98
90) Hexachloroethane	14.10	117	8051	4.823	ug/l	94
91) 1,2-Dichlorobenzene	13.87	146	20408	5.309	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.48	75	1253	4.782	ug/l	94

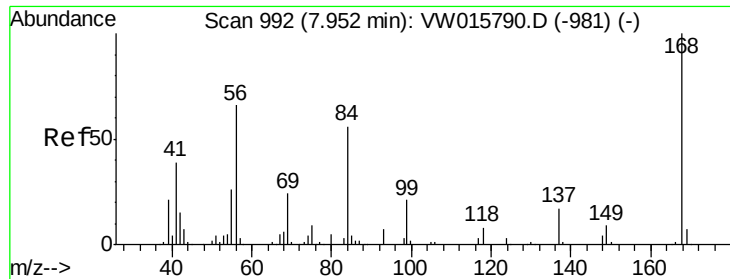
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.13	180	12565	5.185	ug/l	98
94) Hexachlorobutadiene	15.24	225	7987	5.191	ug/l	95
95) Naphthalene	15.36	128	18235	4.502	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	10826	5.250	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: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

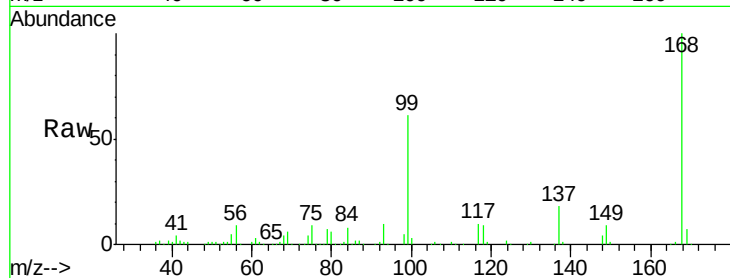
LOQ-SOIL-02-QT3-2020

Tot Ion:168 Resp: 192739

Ion Ratio Lower Upper

168 100

99 60.5 47.8 71.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

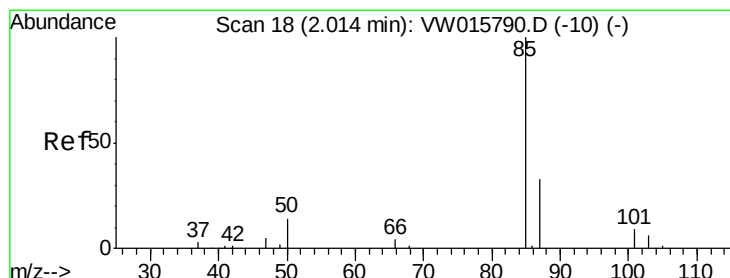
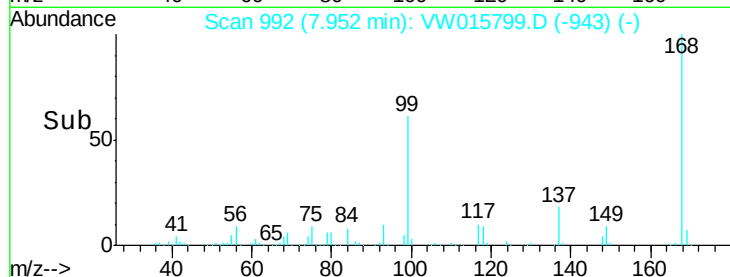
60000

40000

20000

0

Time--> 7.80 7.90 8.00 8.10



#2

Dichlorodifluoromethane

Concen: 5.334 ug/l

RT: 2.01 min Scan# 18

Delta R.T. 0.00 min

Lab File: VW015799.D

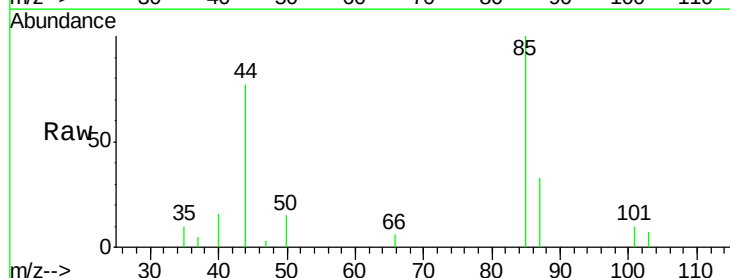
Acq: 07 Jul 2020 18:52

Tgt Ion: 85 Resp: 5414

Ion Ratio Lower Upper

85 100

87 32.7 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2000

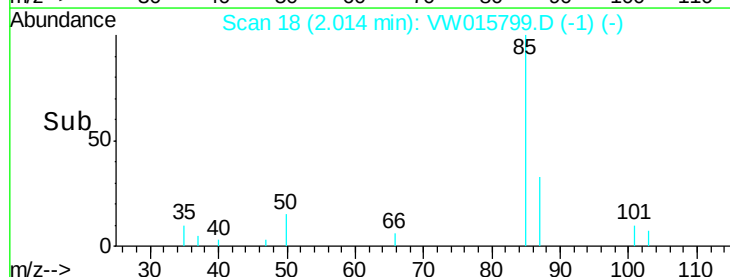
1500

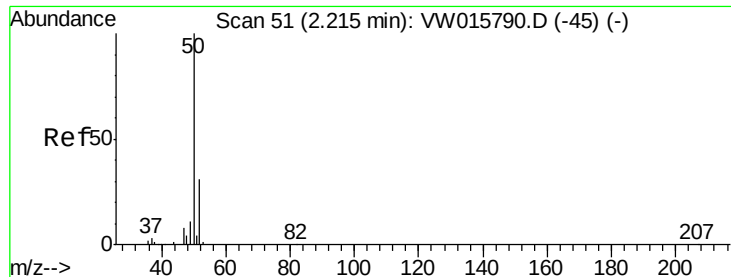
1000

500

0

Time--> 1.90 2.00 2.10





#3

Chloromethane

Concen: 6.152 ug/l

RT: 2.21 min Scan# 51

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

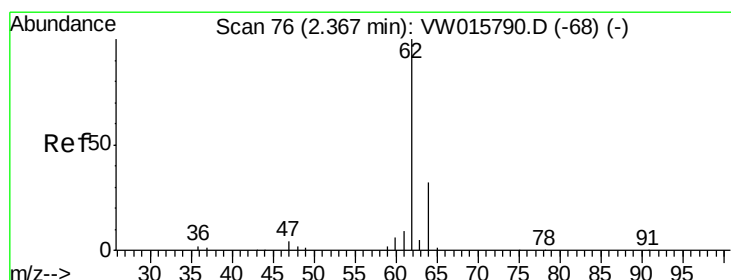
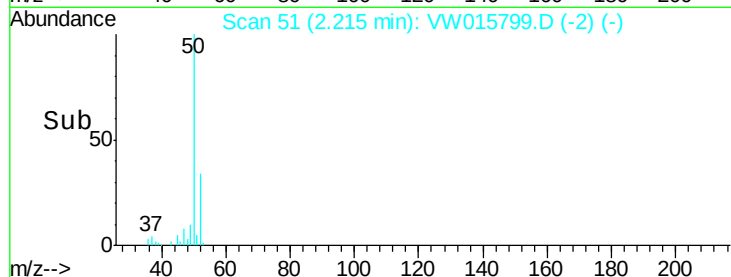
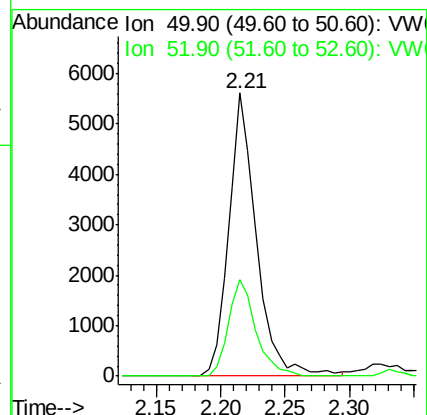
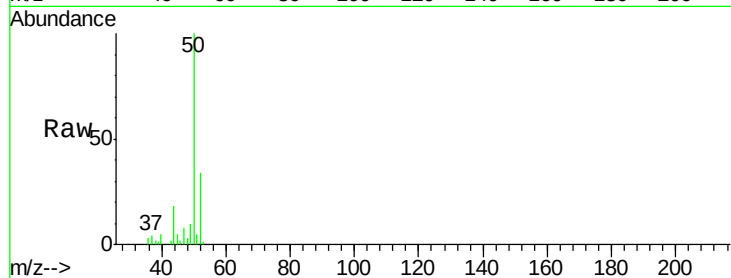
LOQ-SOIL-02-QT3-2020

Tot Ion: 50 Resp: 8481

Ion Ratio Lower Upper

50 100

52 34.2 25.2 37.8



#4

Vinyl Chloride

Concen: 5.577 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015799.D

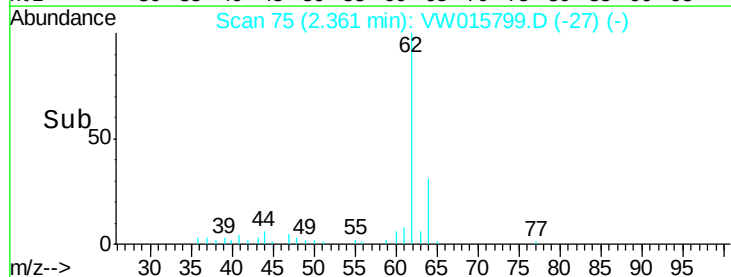
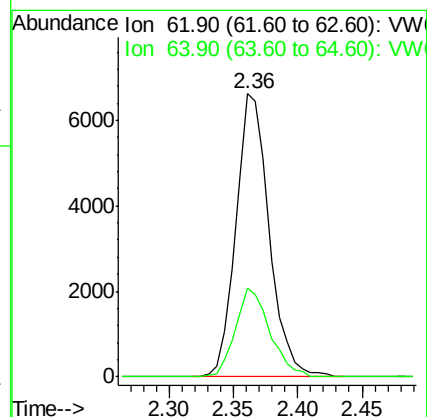
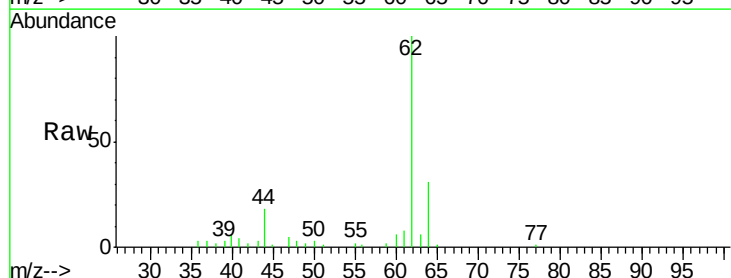
Acq: 07 Jul 2020 18:52

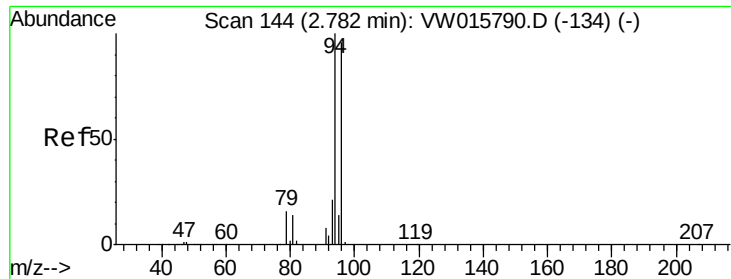
Tgt Ion: 62 Resp: 11870

Ion Ratio Lower Upper

62 100

64 31.2 25.8 38.8

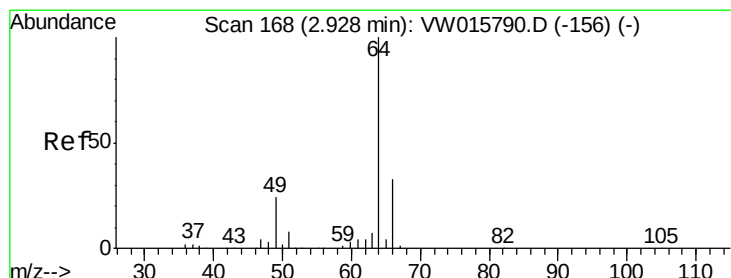
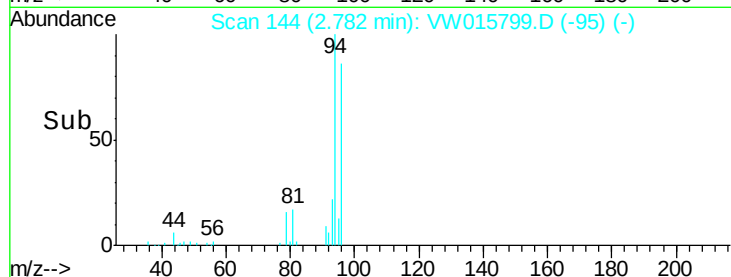
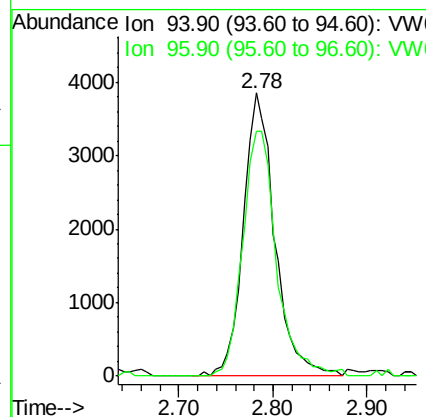
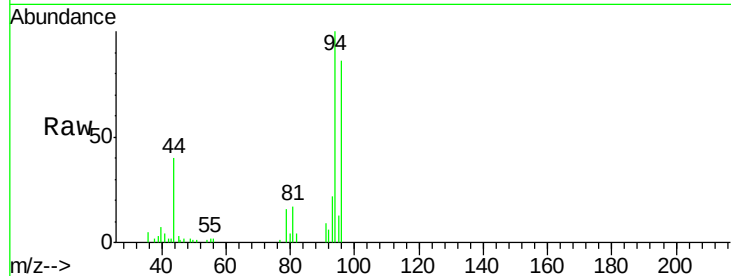




#5
Bromomethane
Concen: 5.521 ug/l
RT: 2.78 min Scan# 144
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

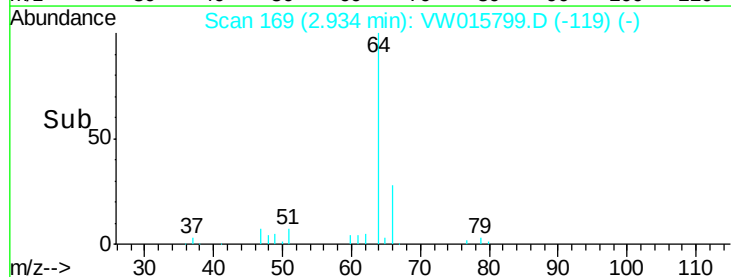
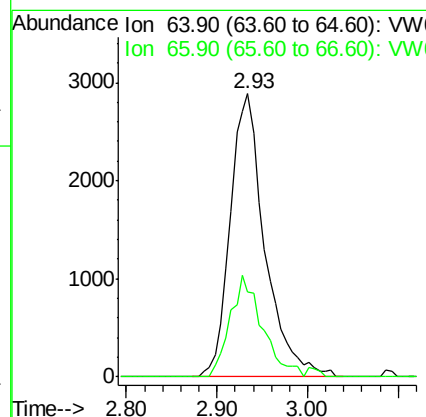
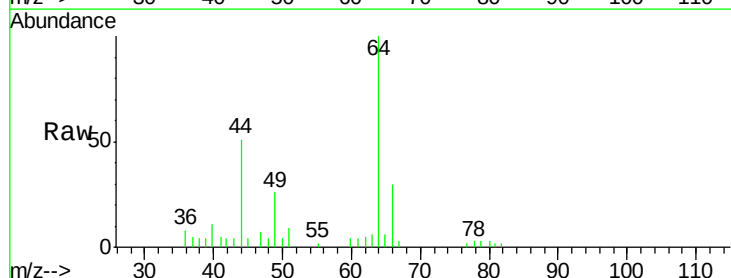
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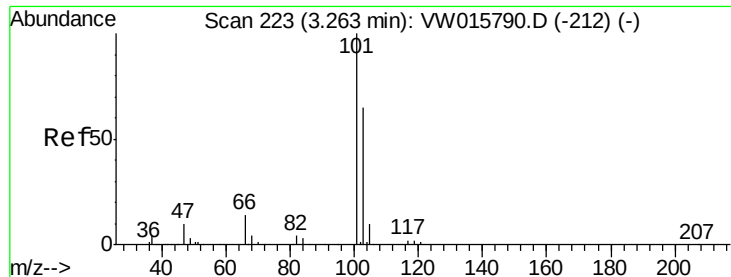
Tot Ion: 94 Resp: 8992
Ion Ratio Lower Upper
94 100
96 86.5 76.7 115.1



#6
Chloroethane
Concen: 5.326 ug/l
RT: 2.93 min Scan# 169
Delta R.T. 0.01 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

Tgt Ion: 64 Resp: 7651
Ion Ratio Lower Upper
64 100
66 30.1 26.0 39.0



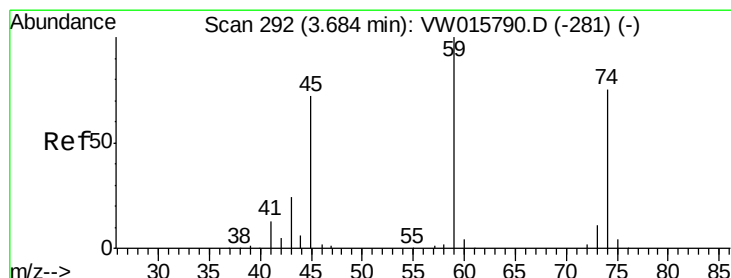
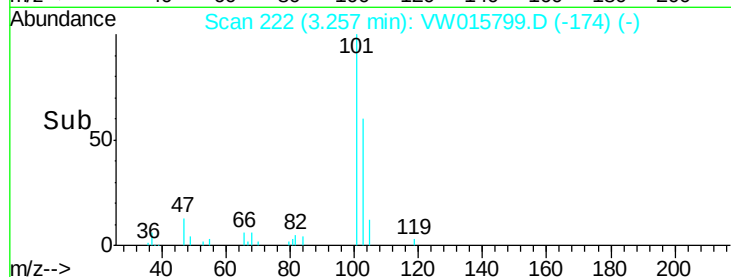
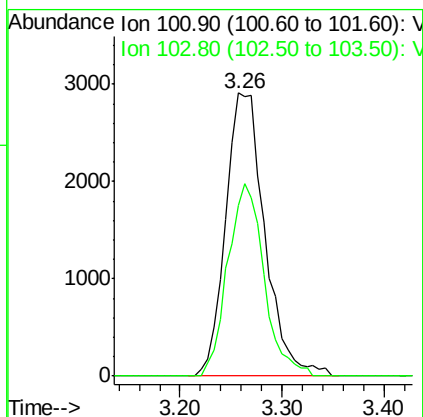
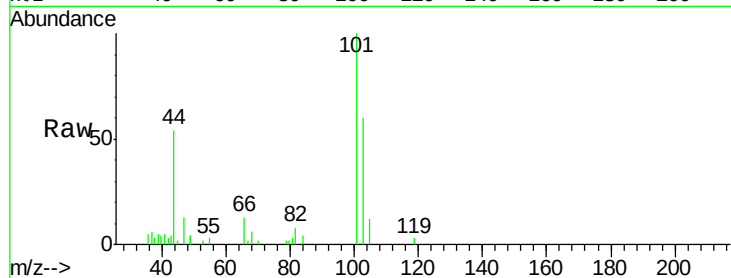


#7

Trichlorofluoromethane
Concen: 5.067 ug/l
RT: 3.26 min Scan# 222
Delta R.T. -0.01 min
Lab File: VW015799.D
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MSVOA_W
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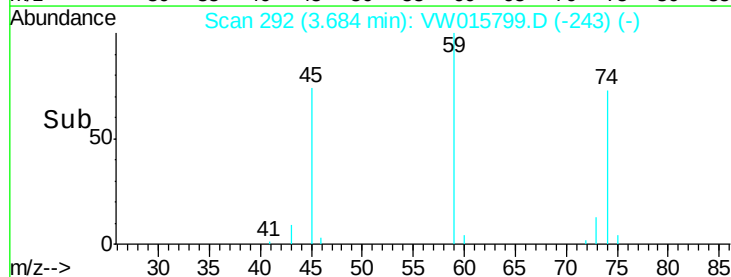
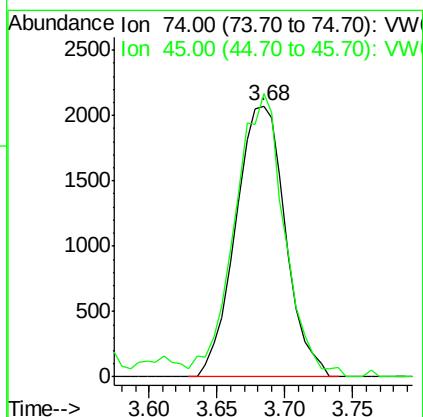
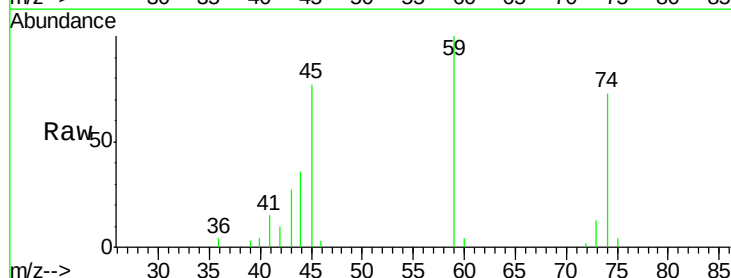
Tot Ion:101 Resp: 7751
Ion Ratio Lower Upper
101 100
103 60.4 52.2 78.4

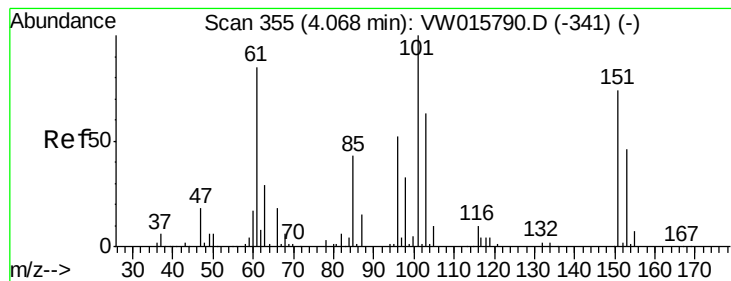


#8

Diethyl Ether
Concen: 5.563 ug/l
RT: 3.68 min Scan# 292
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

Tgt Ion: 74 Resp: 5302
Ion Ratio Lower Upper
74 100
45 104.4 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.597 ug/l

RT: 4.06 min Scan# 354

Delta R.T. -0.01 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

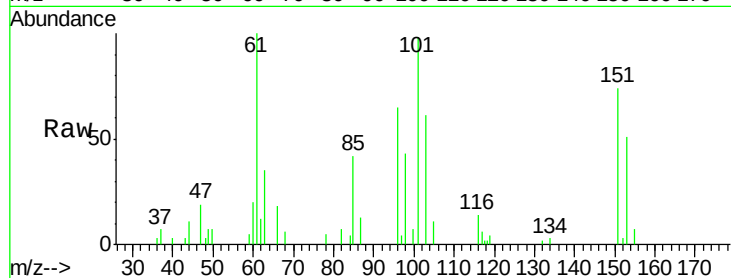
Tot Ion:101 Resp: 10023

Ion Ratio Lower Upper

101 100

85 45.2 36.1 54.1

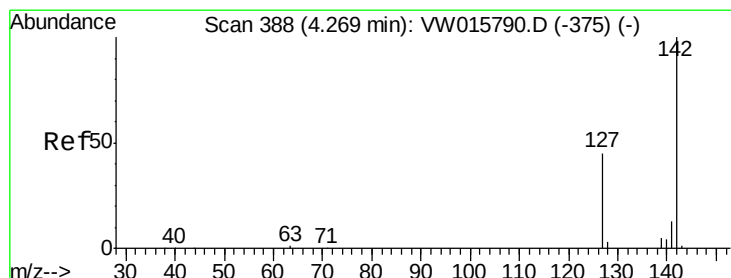
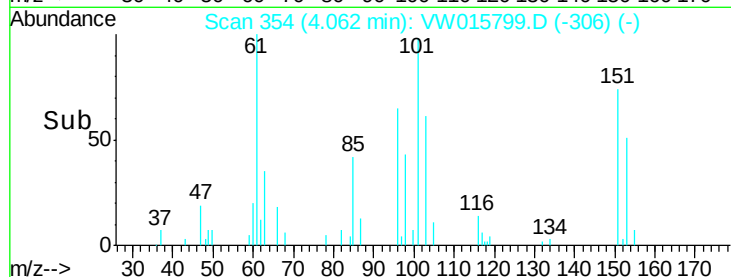
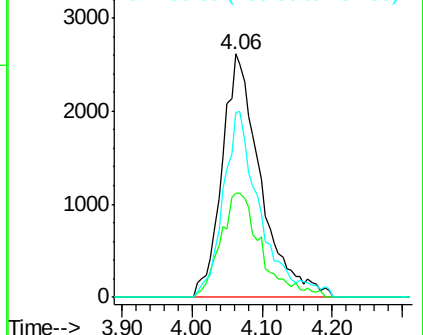
151 73.2 60.3 90.5



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: 5.548 ug/l

RT: 4.27 min Scan# 388

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

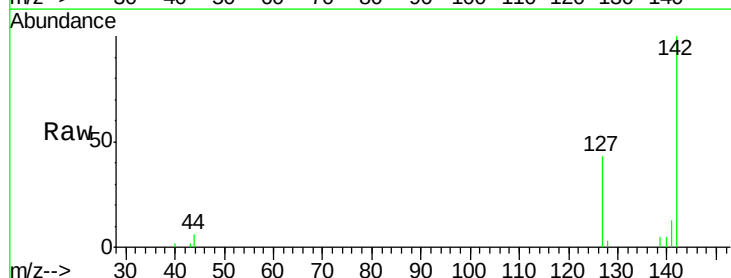
Tgt Ion:142 Resp: 13889

Ion Ratio Lower Upper

142 100

127 43.2 36.1 54.1

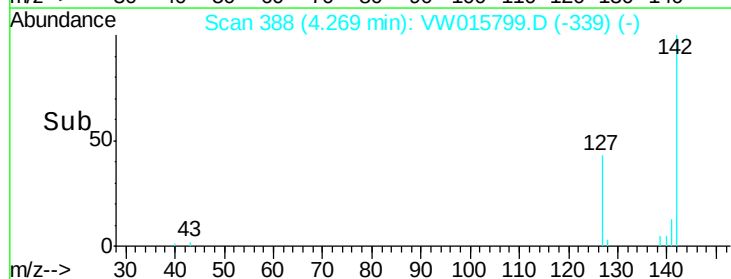
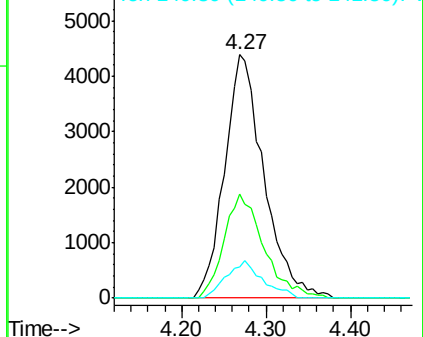
141 14.1 11.7 17.5

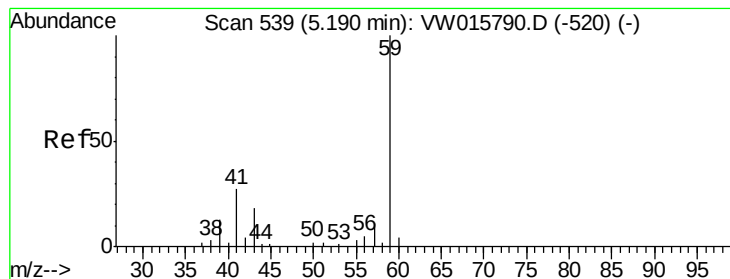


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



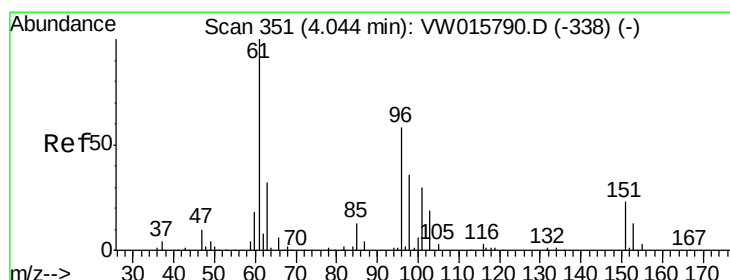
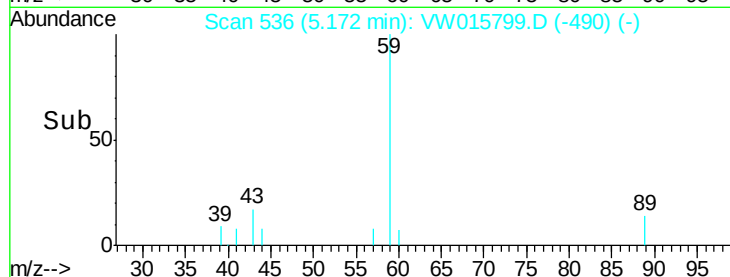
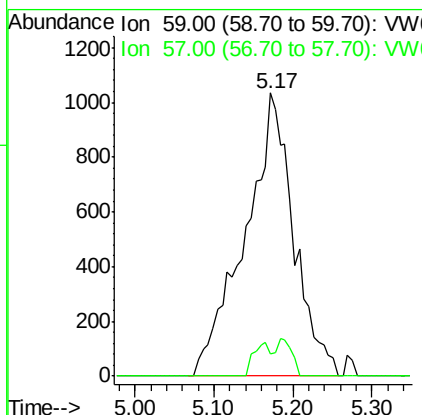
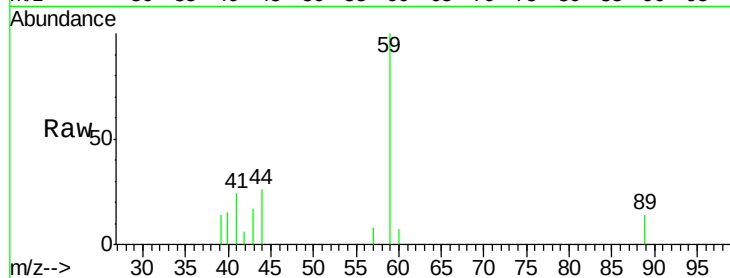


#11

Tert butyl alcohol
 Concen: 40.025 ug/l
 RT: 5.17 min Scan# 536
 Delta R.T. -0.02 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

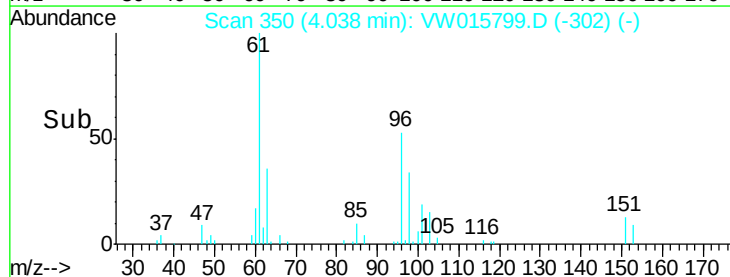
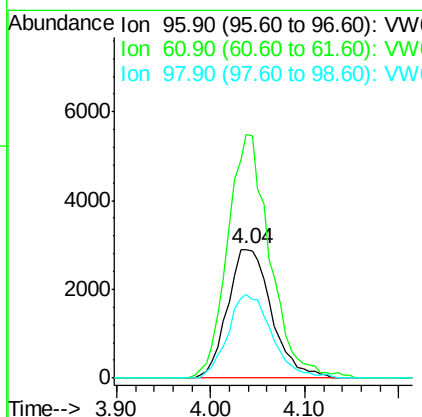
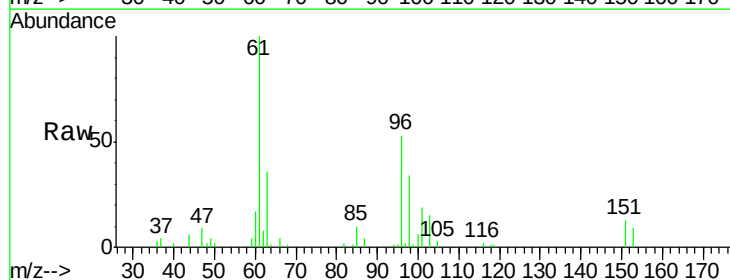
Tot Ion: 59 Resp: 4436
 Ion Ratio Lower Upper
 59 100
 57 4.1 8.7 13.1#

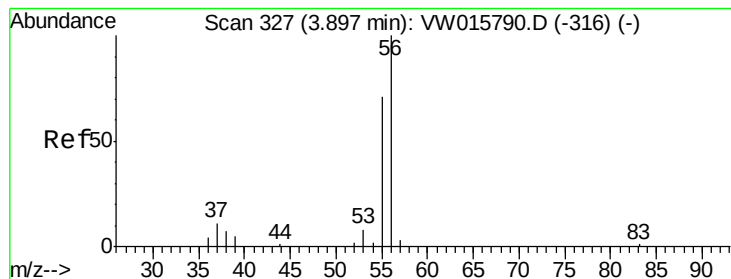


#12

1,1-Dichloroethene
 Concen: 5.373 ug/l
 RT: 4.04 min Scan# 350
 Delta R.T. -0.01 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

Tgt Ion: 96 Resp: 9460
 Ion Ratio Lower Upper
 96 100
 61 189.3 137.0 205.4
 98 64.9 49.3 73.9





#13

Acrolein

Concen: 27.621 ug/l

RT: 3.89 min Scan# 326

Delta R.T. -0.01 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

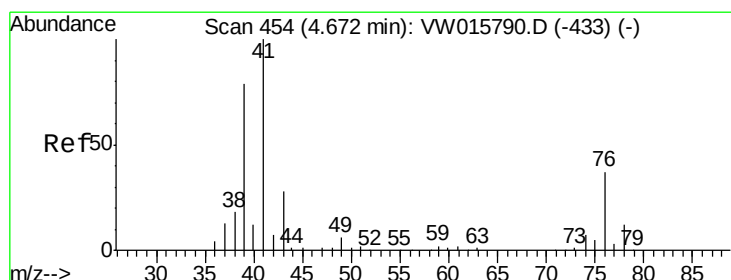
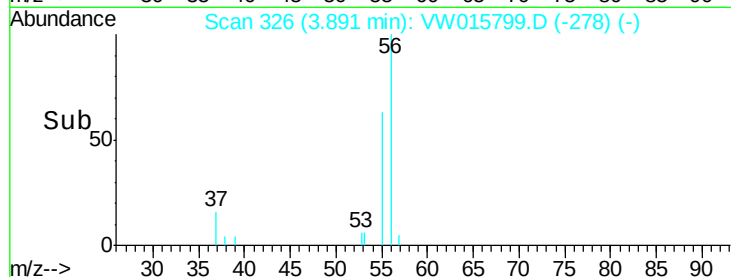
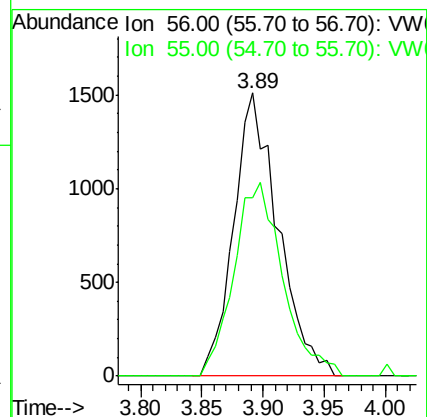
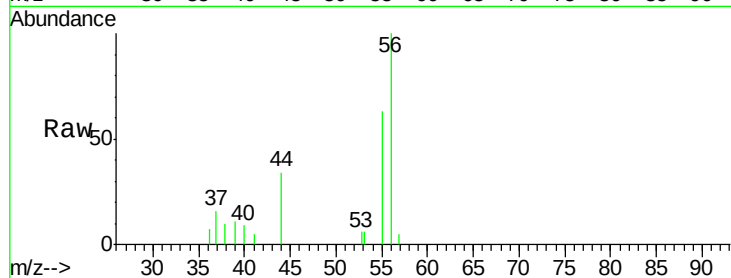
LOQ-SOIL-02-QT3-2020

Tot Ion: 56 Resp: 3803

Ion Ratio Lower Upper

56 100

55 75.0 55.8 83.6



#14

Allyl chloride

Concen: 5.314 ug/l

RT: 4.67 min Scan# 454

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

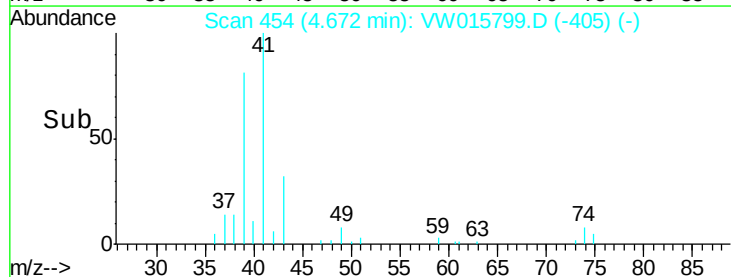
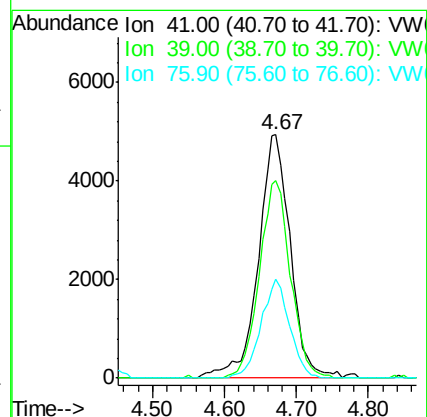
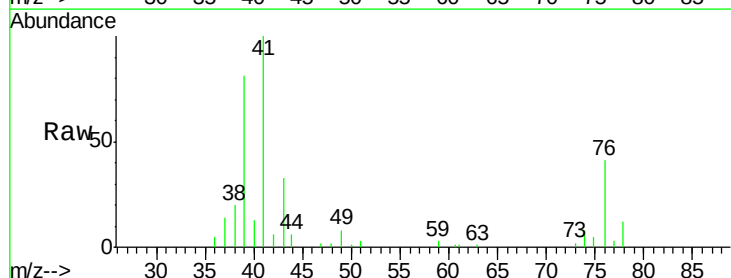
Tgt Ion: 41 Resp: 15207

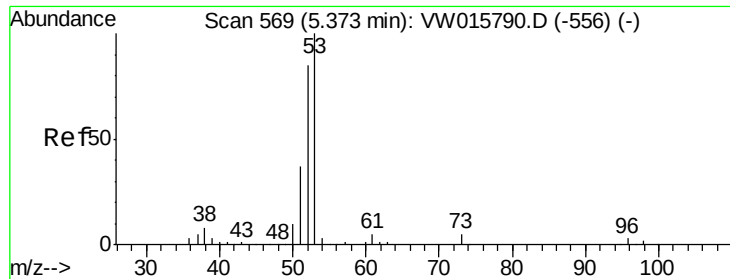
Ion Ratio Lower Upper

41 100

39 78.8 64.0 96.0

76 36.3 28.9 43.3





#15

Acrylonitrile

Concen: 27.860 ug/l

RT: 5.37 min Scan# 569

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

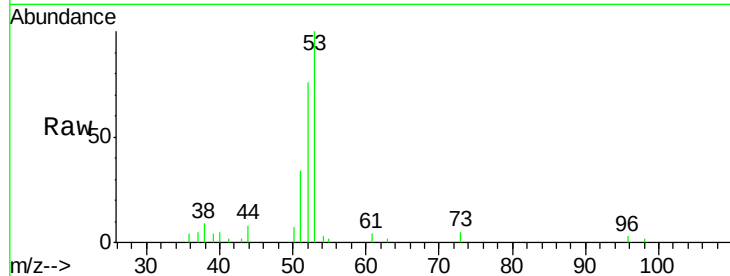
Tot Ion: 53 Resp: 10382

Ion Ratio Lower Upper

53 100

52 83.4 65.8 98.8

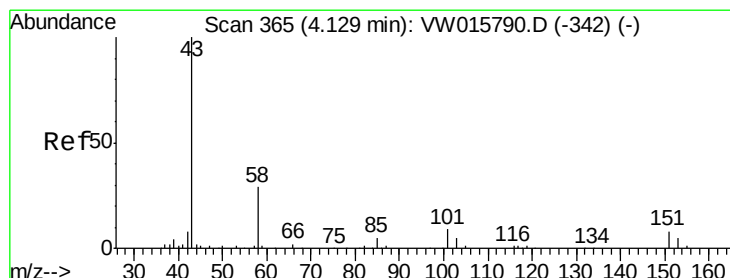
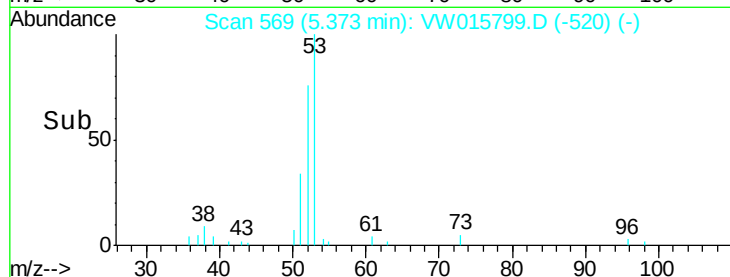
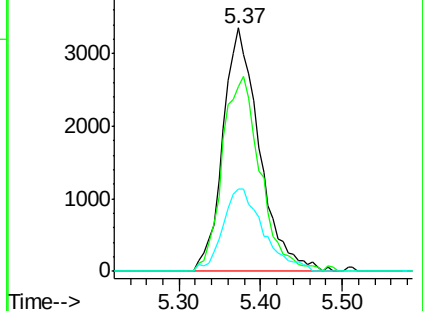
51 37.5 30.2 45.2



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: 29.206 ug/l

RT: 4.13 min Scan# 365

Delta R.T. 0.00 min

Lab File: VW015799.D

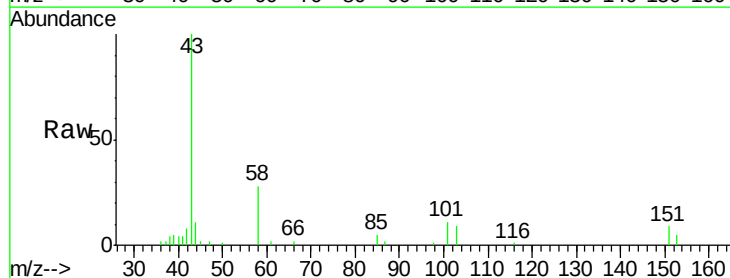
Acq: 07 Jul 2020 18:52

Tgt Ion: 43 Resp: 10846

Ion Ratio Lower Upper

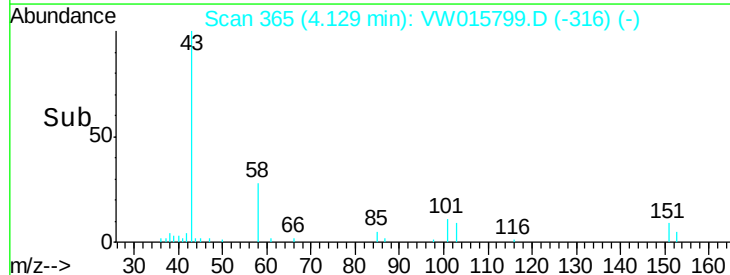
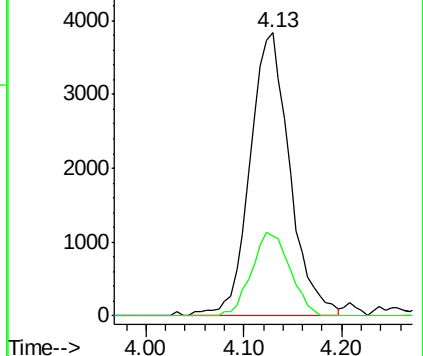
43 100

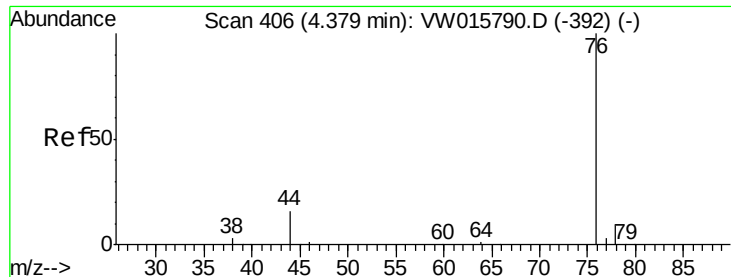
58 28.2 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW





#17

Carbon Disulfide

Concen: 5.077 ug/l

RT: 4.38 min Scan# 406

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

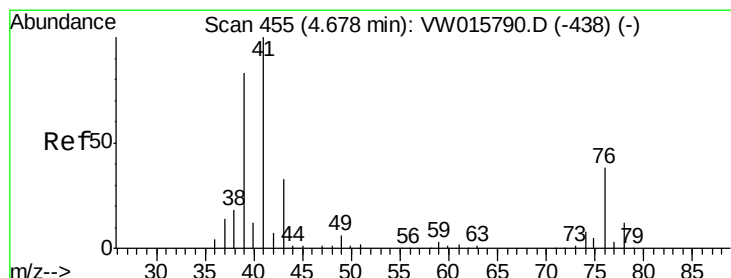
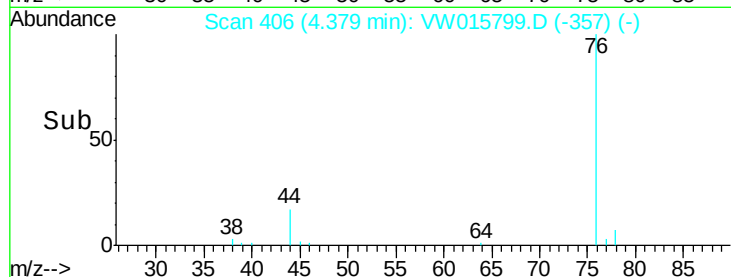
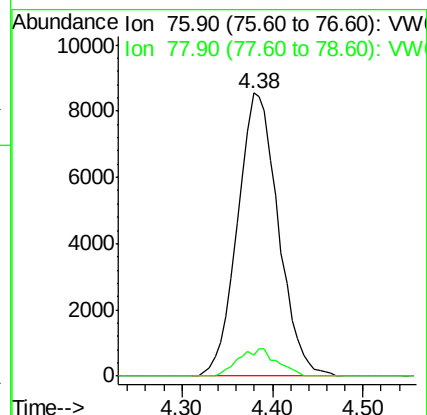
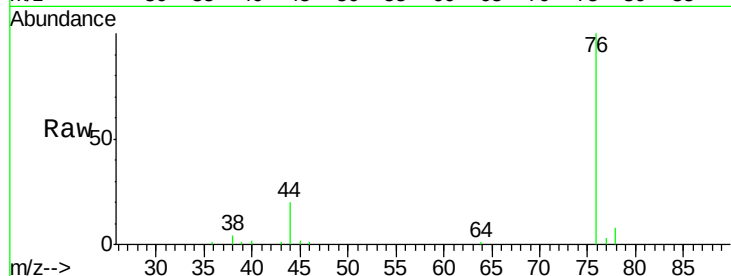
LOQ-SOIL-02-QT3-2020

Tot Ion: 76 Resp: 26588

Ion Ratio Lower Upper

76 100

78 7.5 7.4 11.0



#18

Methyl Acetate

Concen: 5.854 ug/l

RT: 4.68 min Scan# 455

Delta R.T. 0.00 min

Lab File: VW015799.D

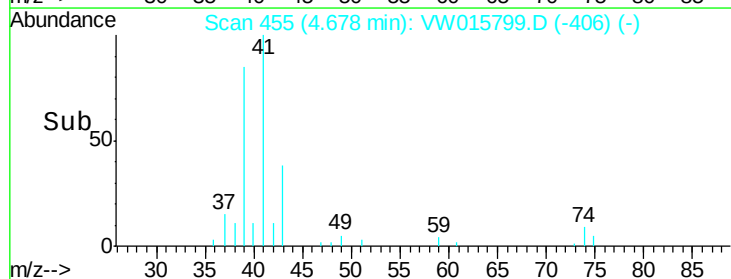
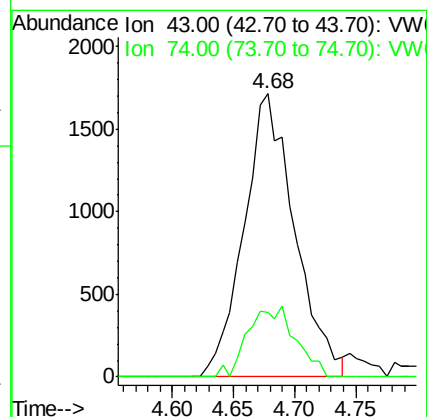
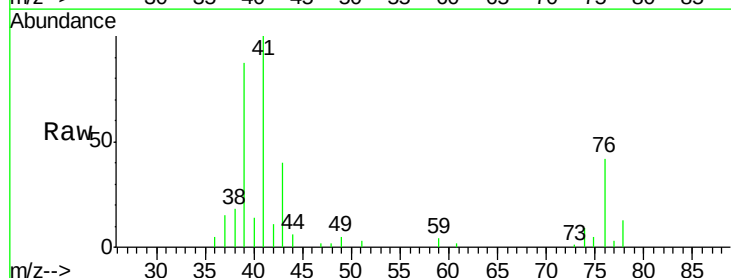
Acq: 07 Jul 2020 18:52

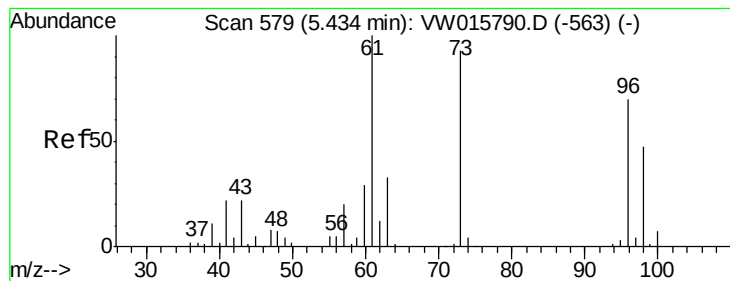
Tgt Ion: 43 Resp: 4947

Ion Ratio Lower Upper

43 100

74 23.3 19.2 28.8



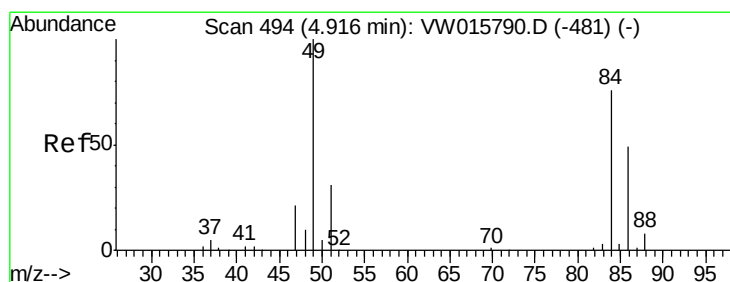
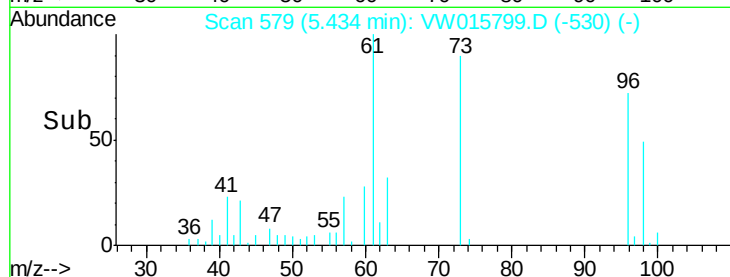
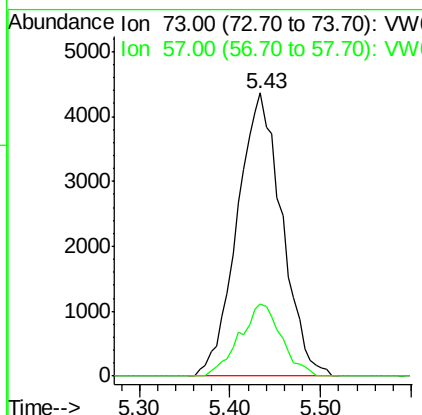
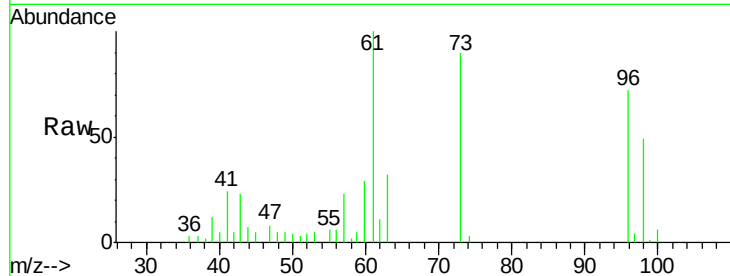


#19

Methyl tert-butyl Ether
 Concen: 5.641 ug/l
 RT: 5.43 min Scan# 579
 Delta R.T. 0.00 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

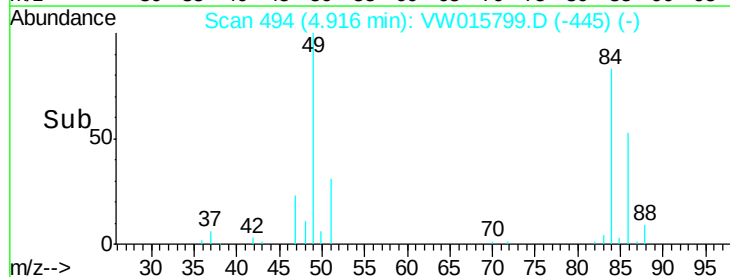
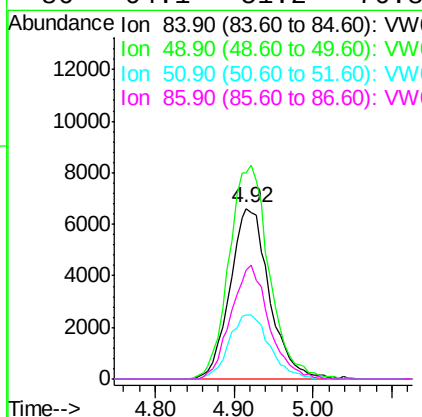
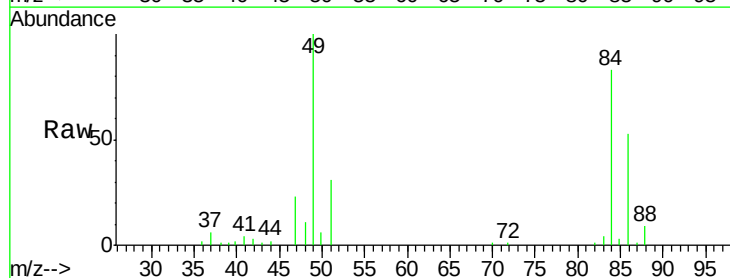
Tot Ion: 73 Resp: 14864
 Ion Ratio Lower Upper
 73 100
 57 25.6 16.8 25.2#

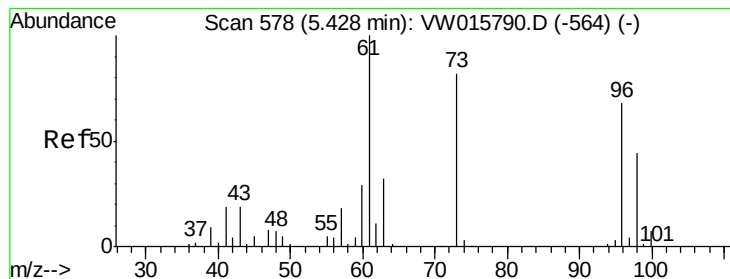


#20

Methylene Chloride
 Concen: 10.625 ug/l
 RT: 4.92 min Scan# 494
 Delta R.T. 0.00 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

Tgt Ion: 84 Resp: 22914
 Ion Ratio Lower Upper
 84 100
 49 121.0 105.0 157.6
 51 37.5 32.3 48.5
 86 64.1 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 5.385 ug/l

RT: 5.43 min Scan# 578

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

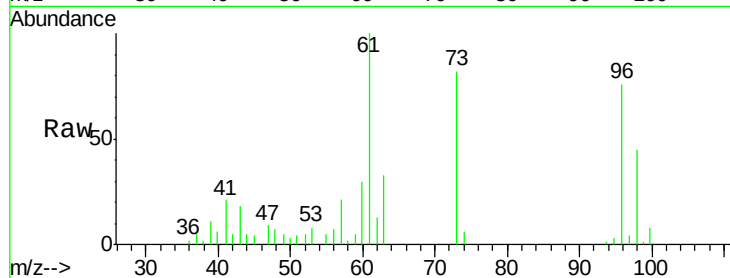
Tot Ion: 96 Resp: 10982

Ion Ratio Lower Upper

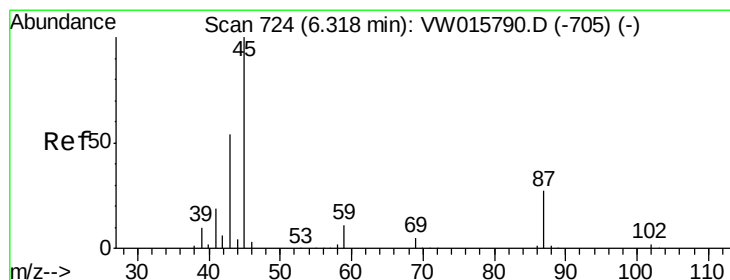
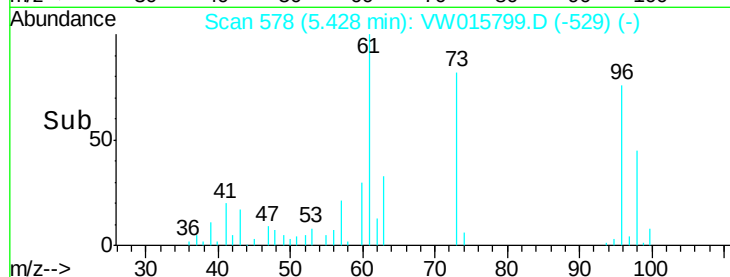
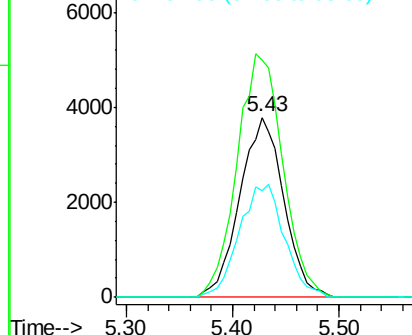
96 100

61 131.8 118.1 177.1

98 59.5 52.6 78.8



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



#22

Diisopropyl ether

Concen: 5.272 ug/l

RT: 6.32 min Scan# 724

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Tgt Ion: 45 Resp: 30402

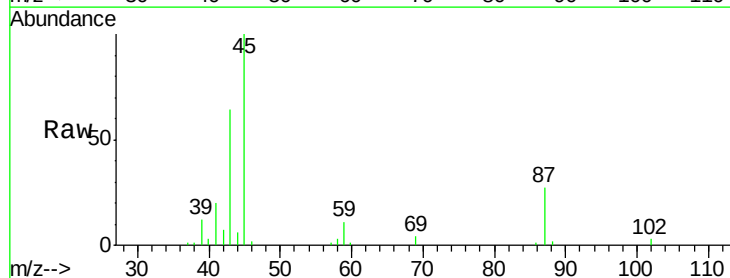
Ion Ratio Lower Upper

45 100

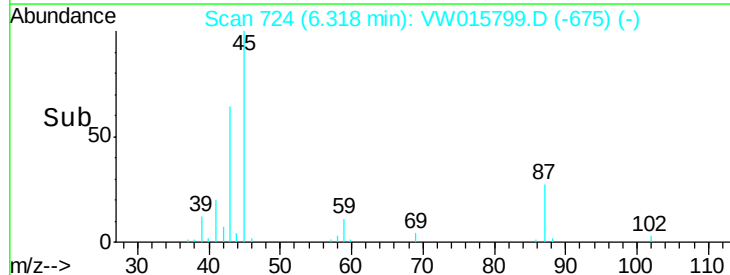
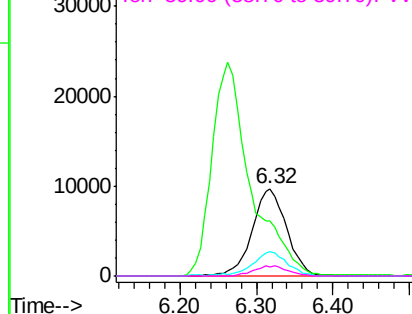
43 62.4 43.8 65.6

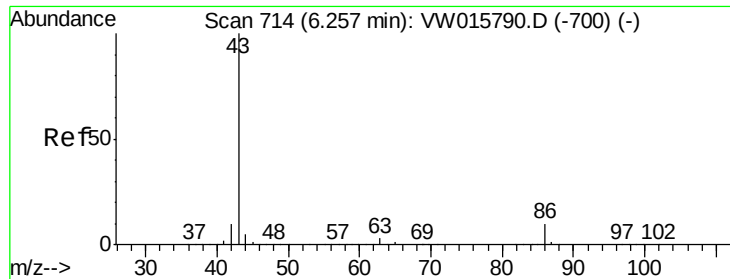
87 27.3 22.1 33.1

59 10.6 8.9 13.3



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





#23

Vinyl Acetate

Concen: 24.409 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

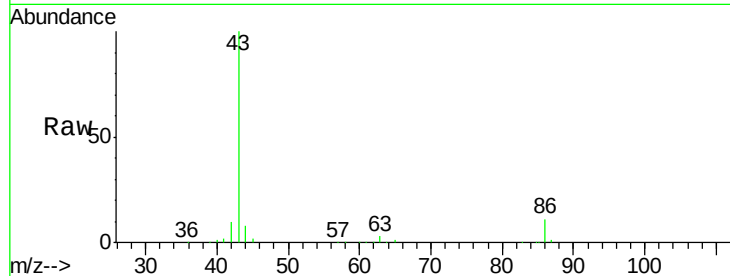
LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 83718

Ion Ratio Lower Upper

43 100

86 10.7 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

25000

20000

15000

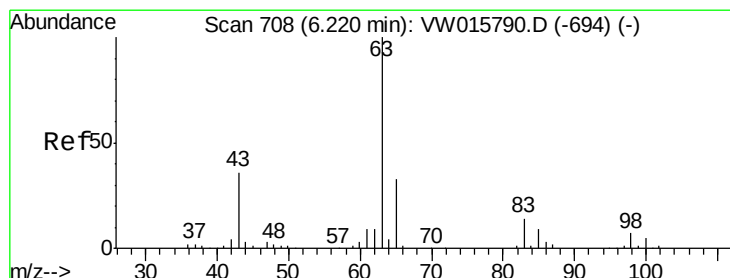
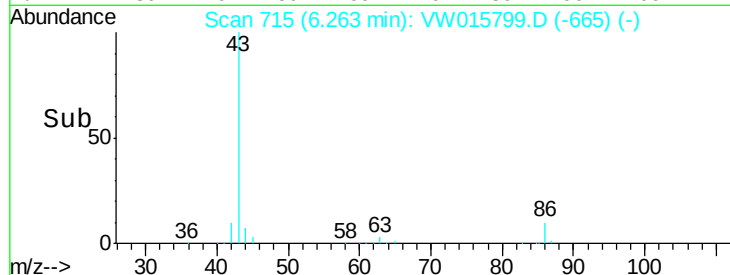
10000

5000

0

Time-->

6.10 6.20 6.30 6.40



#24

1,1-Dichloroethane

Concen: 5.465 ug/l

RT: 6.22 min Scan# 708

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

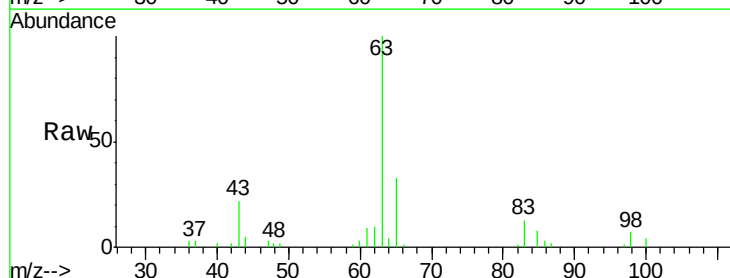
Tgt Ion: 63 Resp: 19951

Ion Ratio Lower Upper

63 100

98 7.1 3.4 10.2

100 4.2 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

6.22

8000

6000

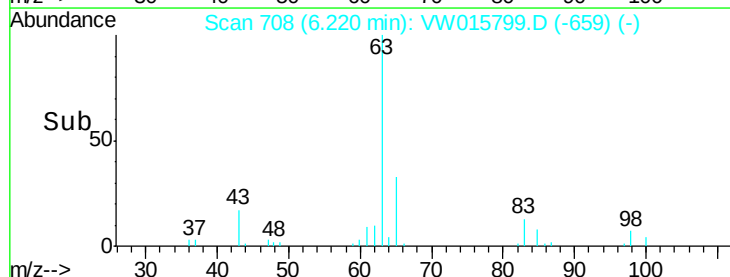
4000

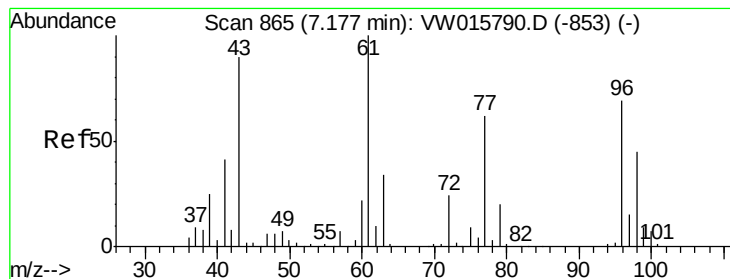
2000

0

Time-->

6.10 6.20 6.30





#25

2-Butanone

Concen: 27.968 ug/l

RT: 7.18 min Scan# 865

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

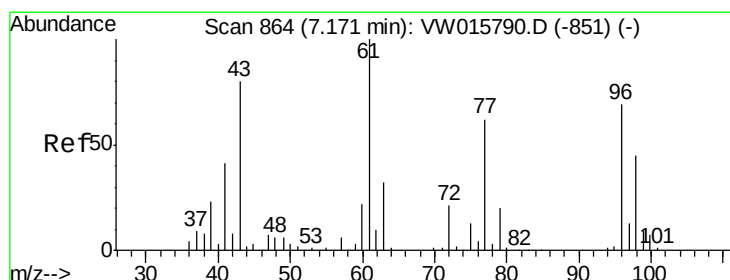
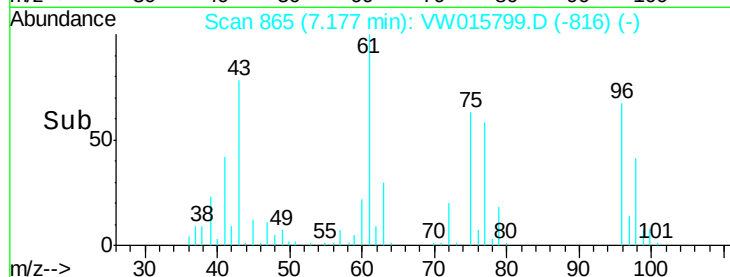
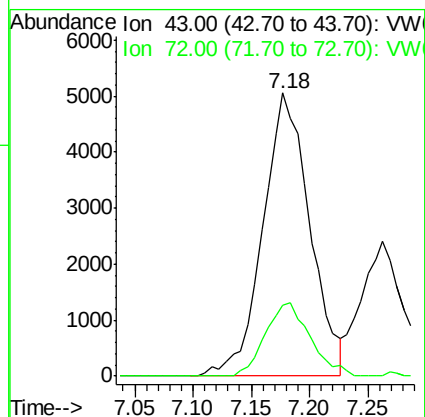
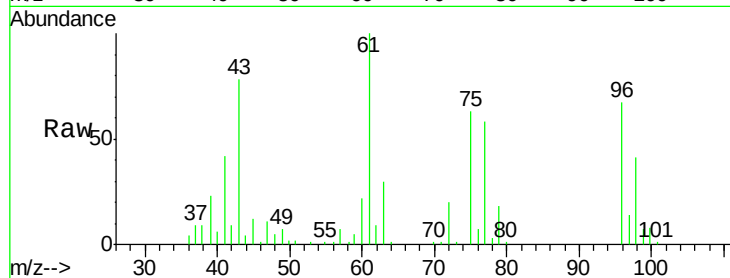
LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 14098

Ion Ratio Lower Upper

43 100

72 25.1 21.3 31.9



#26

2,2-Dichloropropane

Concen: 5.725 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015799.D

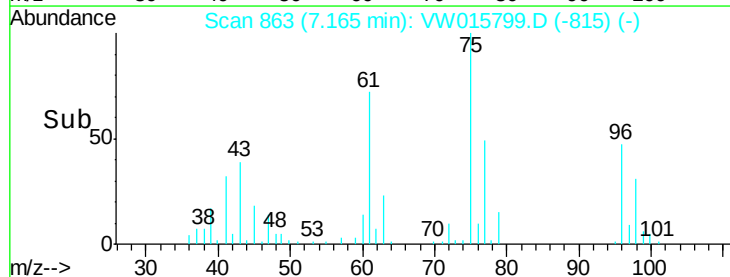
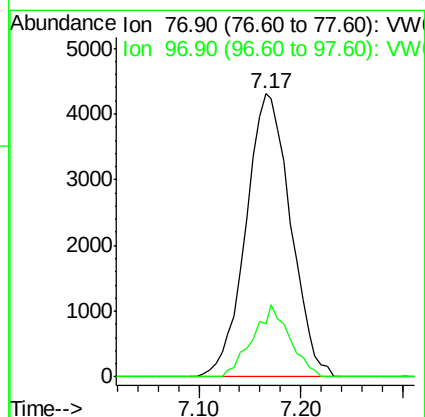
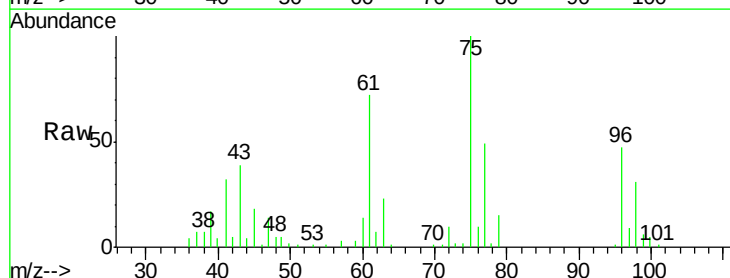
Acq: 07 Jul 2020 18:52

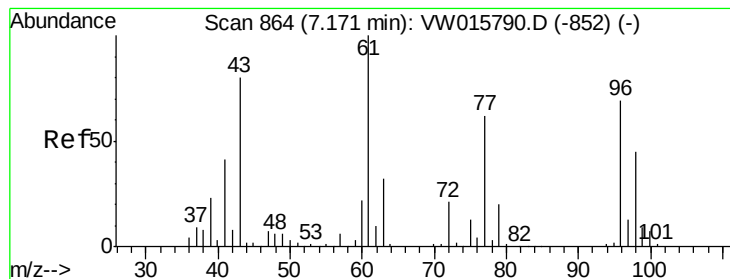
Tgt Ion: 77 Resp: 13112

Ion Ratio Lower Upper

77 100

97 21.1 11.0 33.0



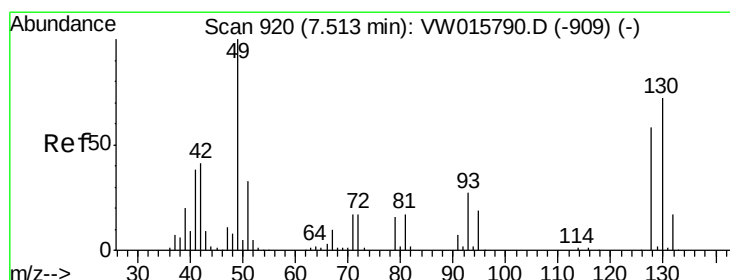
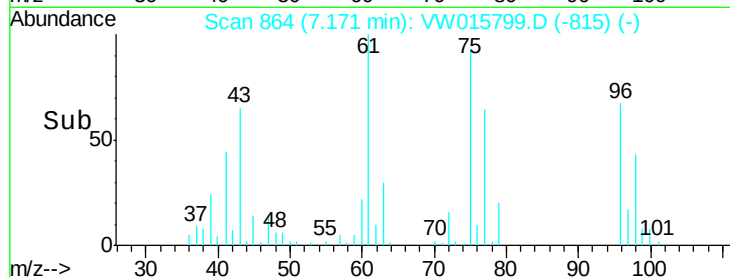
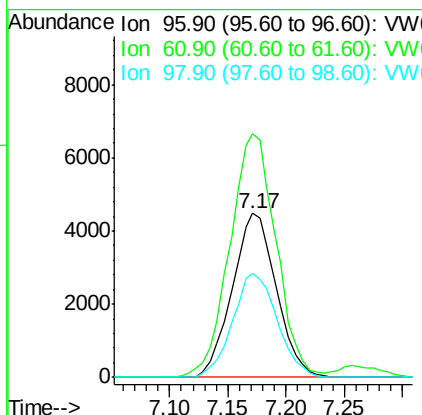
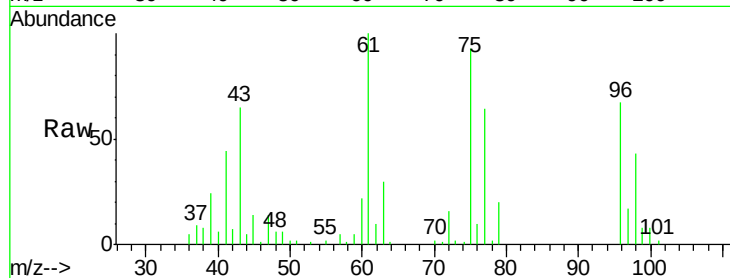


#27

cis-1,2-Dichloroethene
Concen: 5.363 ug/l
RT: 7.17 min Scan# 864
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

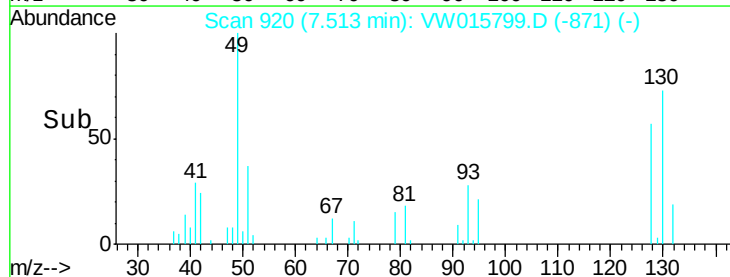
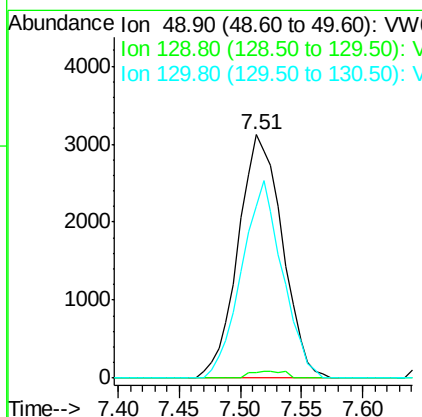
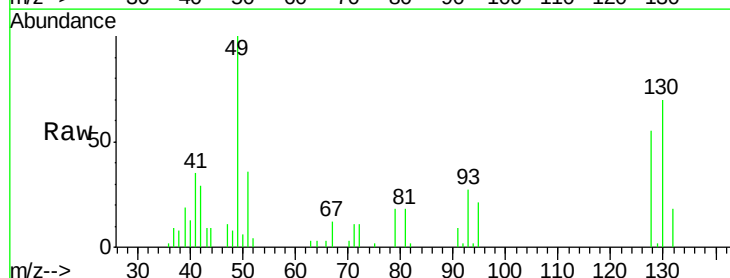
Tot Ion: 96 Resp: 11743
Ion Ratio Lower Upper
96 100
61 156.1 0.0 292.2
98 64.0 0.0 129.0

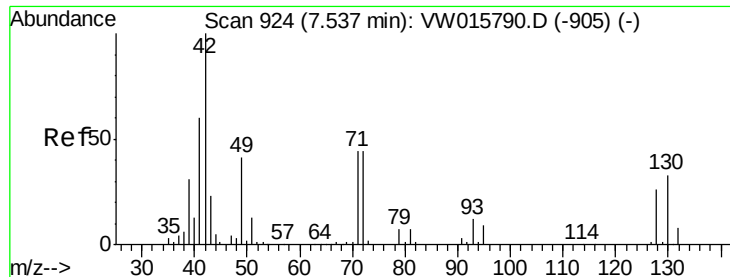


#28

Bromochloromethane
Concen: 5.414 ug/l
RT: 7.51 min Scan# 920
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

Tgt Ion: 49 Resp: 7836
Ion Ratio Lower Upper
49 100
129 2.2 0.0 2.6
130 75.0 59.5 89.3

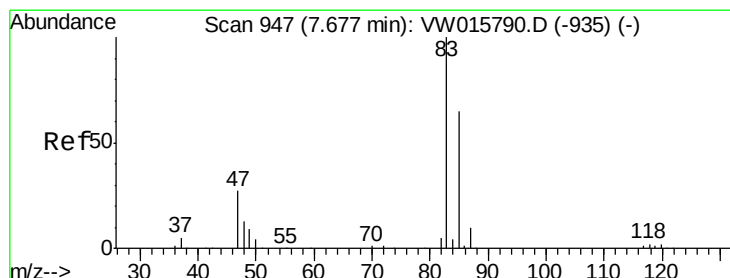
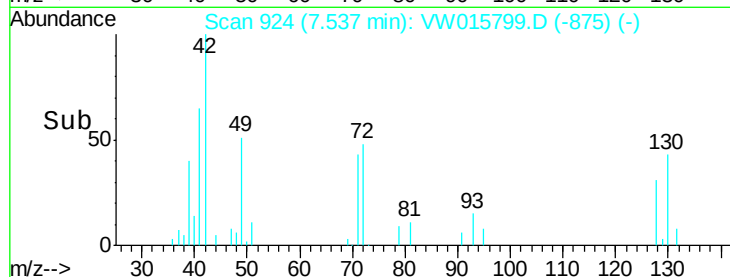
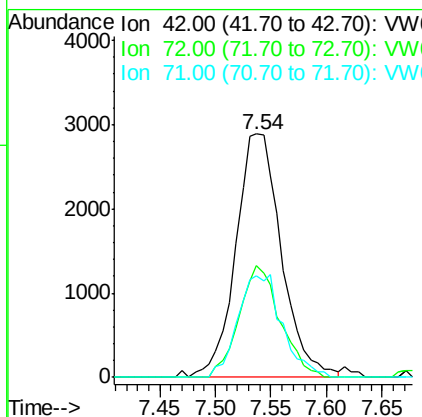
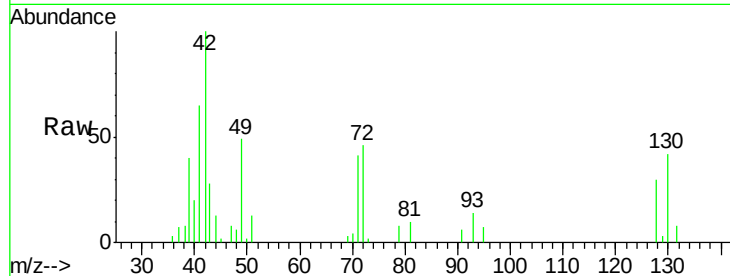




#29
Tetrahydrofuran
Concen: 26.892 ug/l
RT: 7.54 min Scan# 924
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

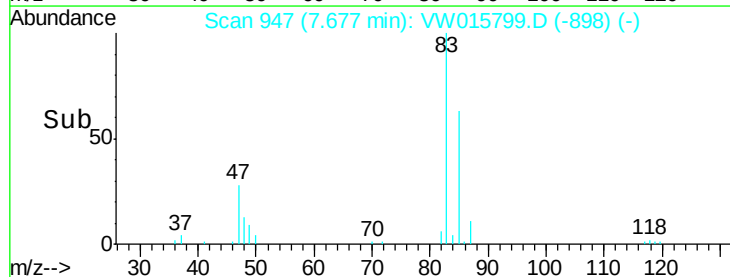
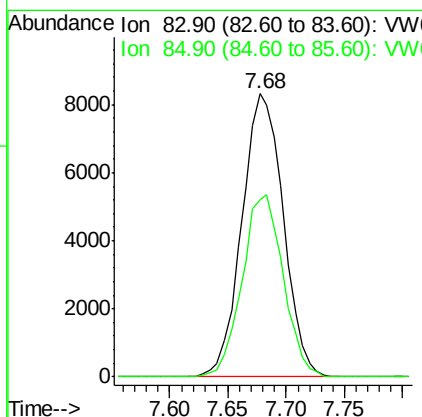
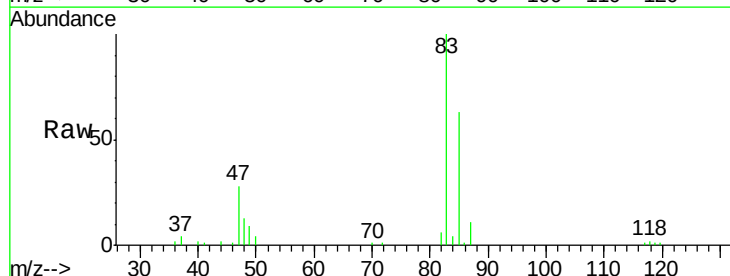
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

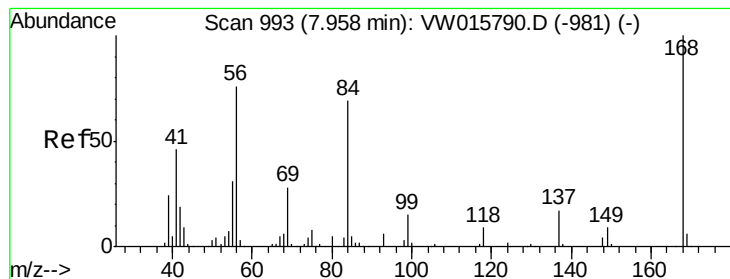
Tot Ion: 42 Resp: 8226
Ion Ratio Lower Upper
42 100
72 41.4 34.6 51.8
71 41.2 32.8 49.2



#30
Chloroform
Concen: 5.507 ug/l
RT: 7.68 min Scan# 947
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

Tgt Ion: 83 Resp: 20554
Ion Ratio Lower Upper
83 100
85 62.6 51.6 77.4





#31

Cyclohexane

Concen: 6.211 ug/l

RT: 7.96 min Scan# 993

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

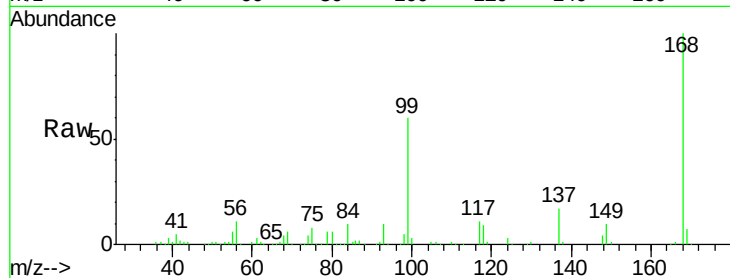
Tot Ion: 56 Resp: 21340

Ion Ratio Lower Upper

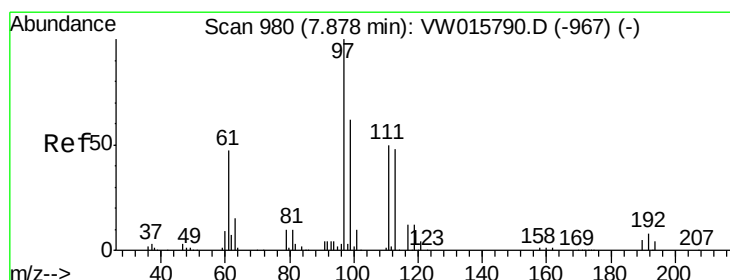
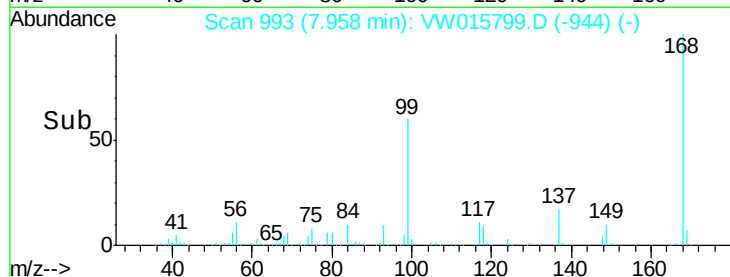
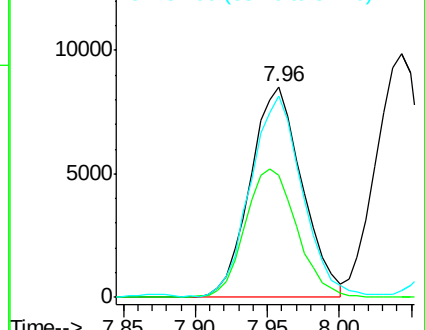
56 100

69 57.7 28.9 43.3#

84 94.8 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: 5.271 ug/l

RT: 7.88 min Scan# 980

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

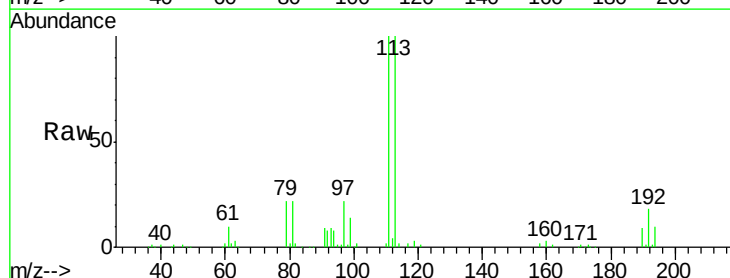
Tgt Ion: 97 Resp: 16495

Ion Ratio Lower Upper

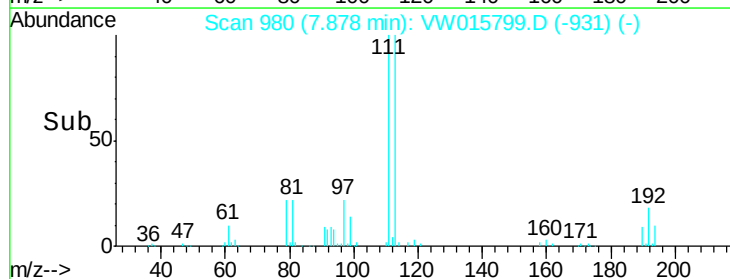
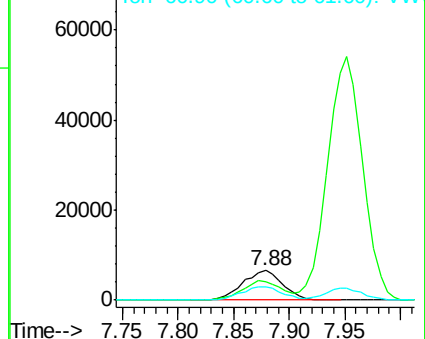
97 100

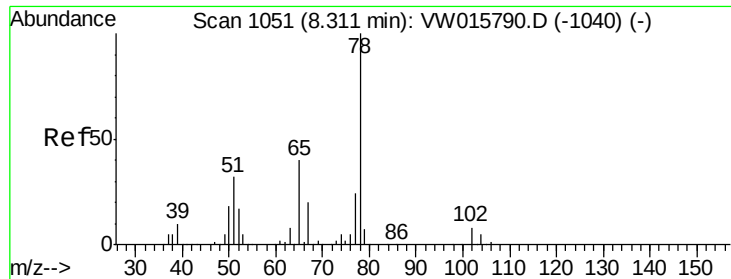
99 63.2 51.0 76.4

61 47.8 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

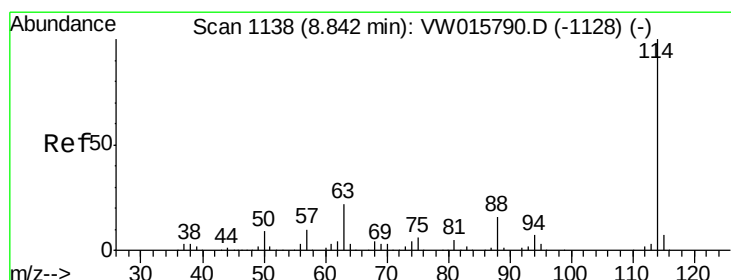
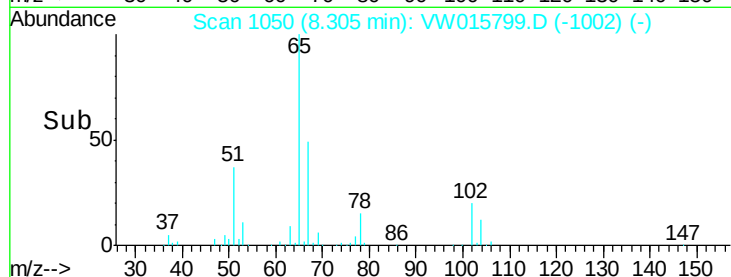
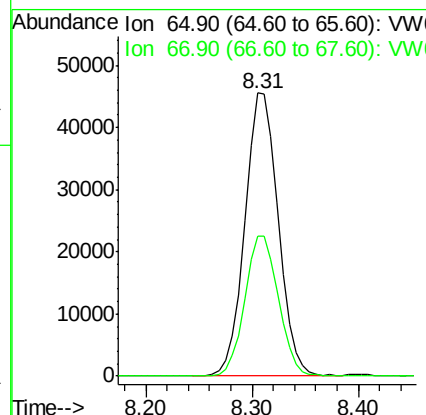
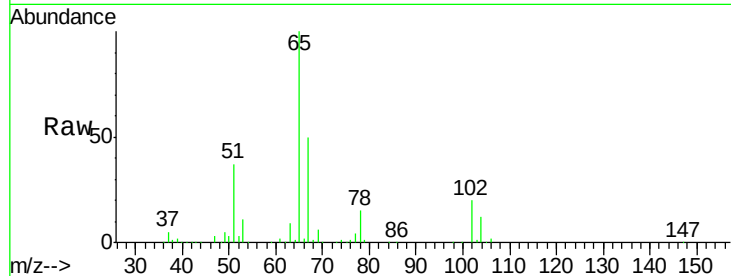




#33
 1,2-Dichloroethane-d4
 Concen: 50.633 ug/l
 RT: 8.31 min Scan# 1050
 Delta R.T. -0.01 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

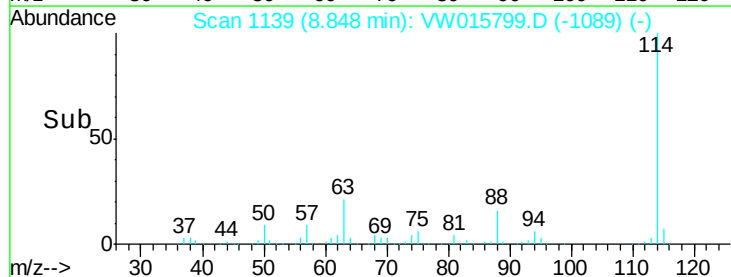
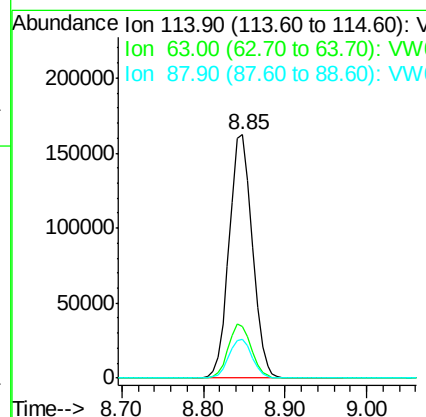
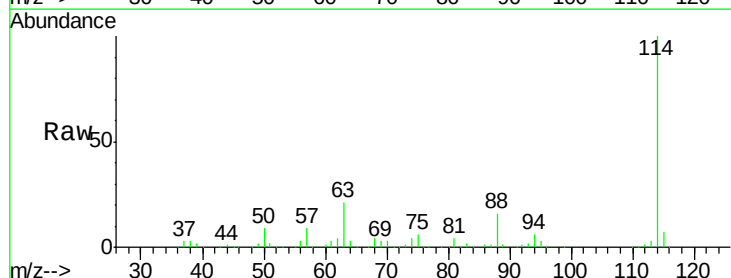
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

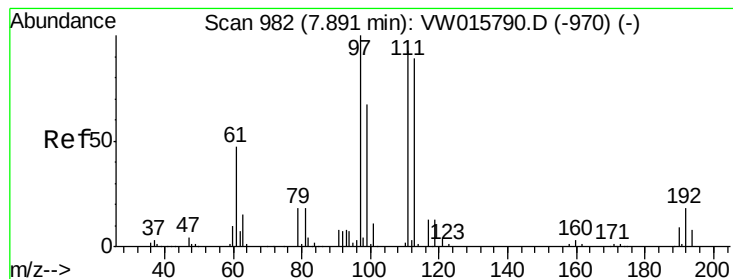
Tot Ion: 65 Resp: 100494
 Ion Ratio Lower Upper
 65 100
 67 49.9 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

Tgt Ion: 114 Resp: 318160
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 44.4
 88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 47.373 ug/l

RT: 7.89 min Scan# 982

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

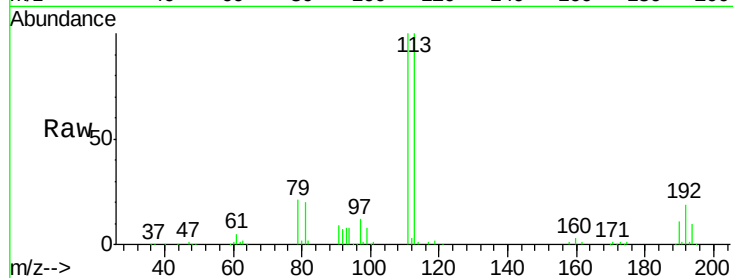
Tot Ion:113 Resp: 87933

Ion Ratio Lower Upper

113 100

111 101.4 82.8 124.2

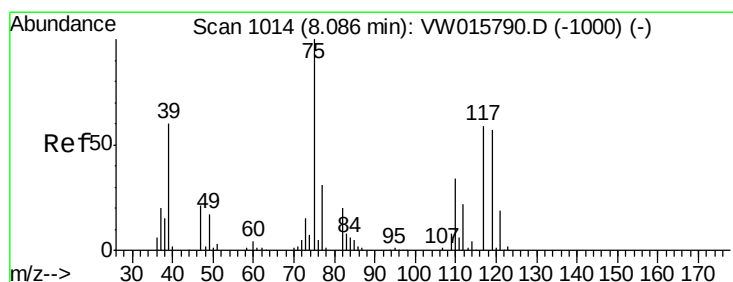
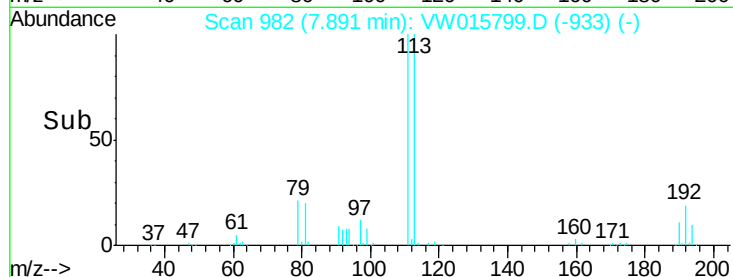
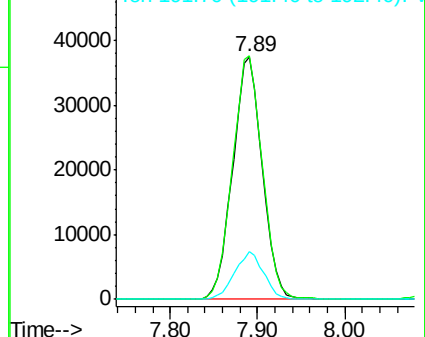
192 19.2 15.4 23.2



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 5.103 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

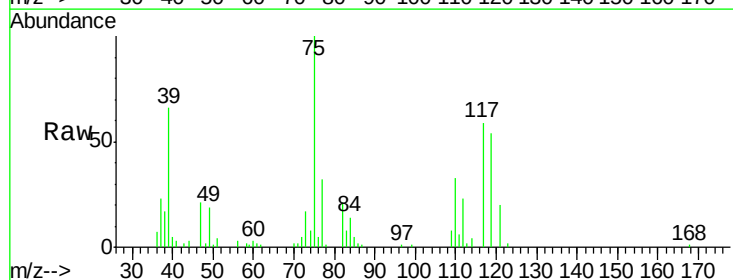
Tgt Ion: 75 Resp: 16006

Ion Ratio Lower Upper

75 100

110 33.1 16.8 50.3

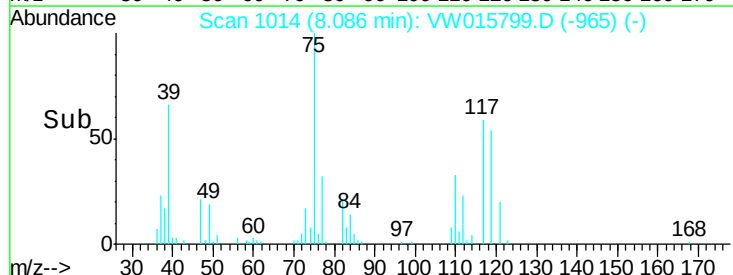
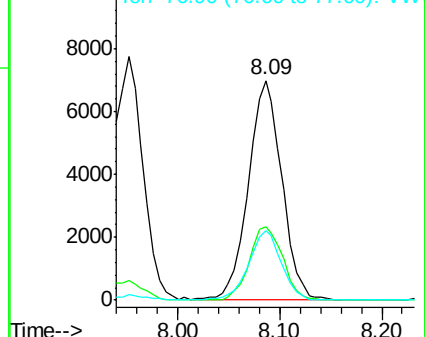
77 30.8 24.7 37.1

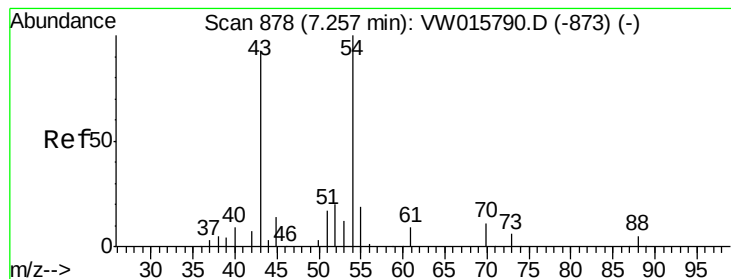


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW





#37

Ethyl Acetate

Concen: 5.256 ug/l

RT: 7.26 min Scan# 879

Delta R.T. 0.01 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

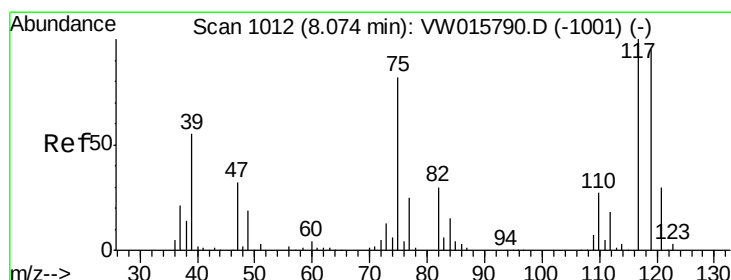
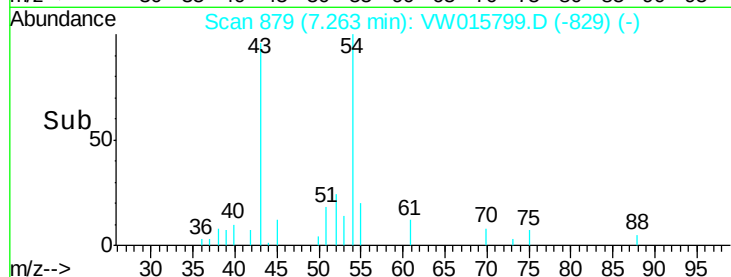
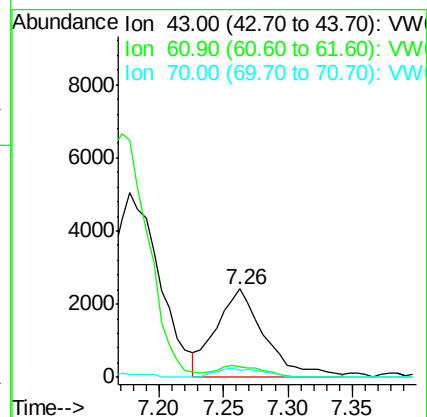
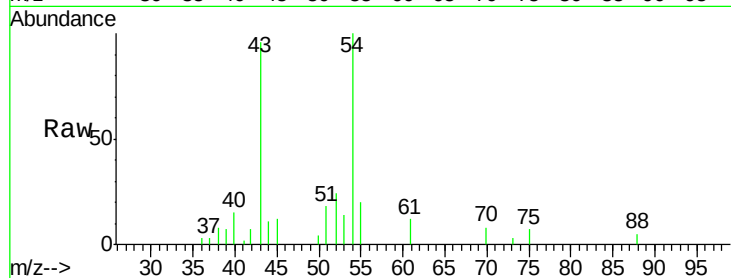
Tot Ion: 43 Resp: 6405

Ion Ratio Lower Upper

43 100

61 12.9 10.4 15.6

70 10.0 8.4 12.6



#38

Carbon Tetrachloride

Concen: 4.970 ug/l

RT: 8.07 min Scan# 1012

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

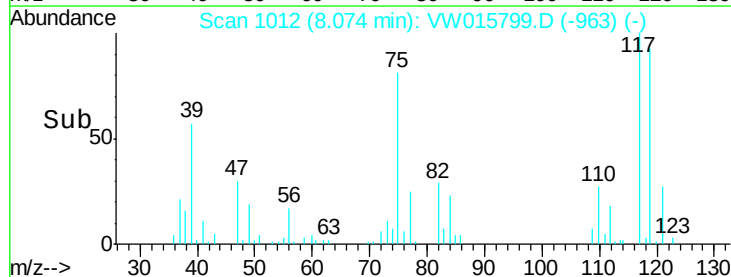
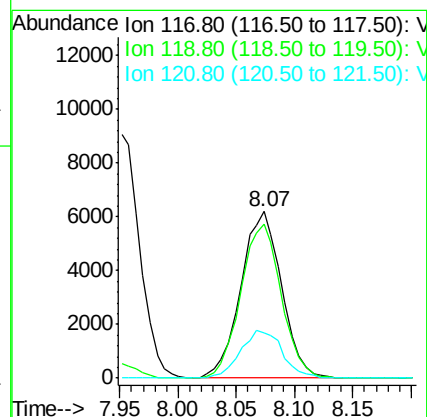
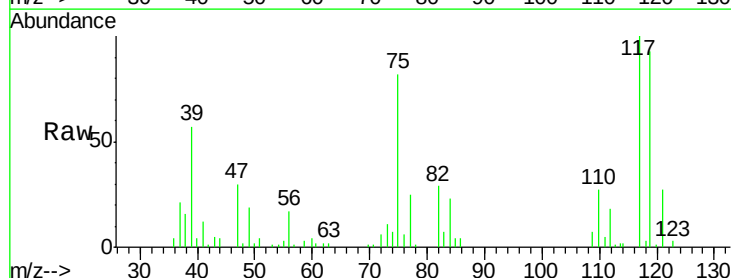
Tgt Ion: 117 Resp: 15082

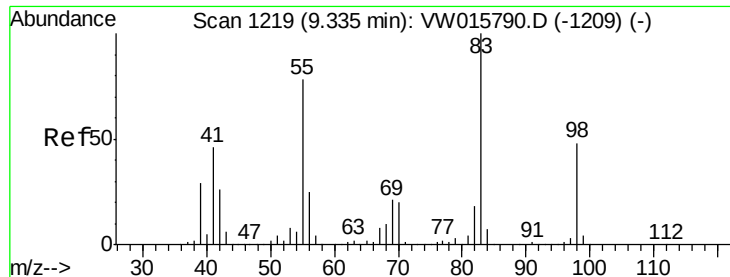
Ion Ratio Lower Upper

117 100

119 92.9 76.3 114.5

121 27.1 24.0 36.0

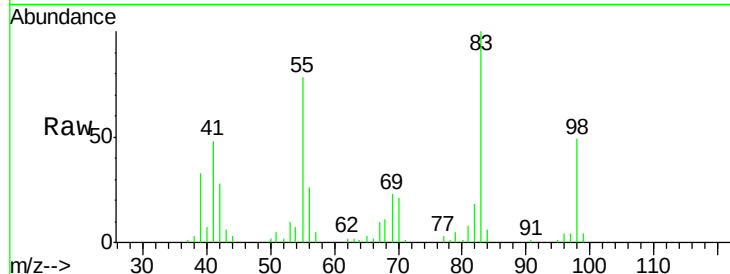




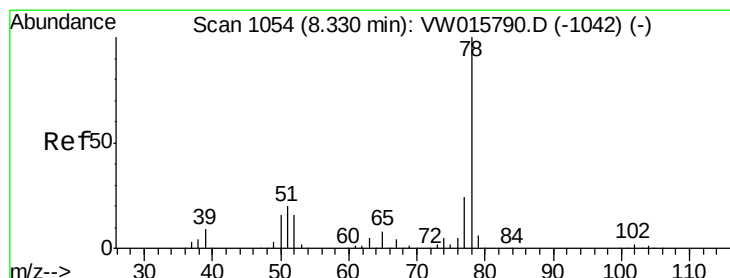
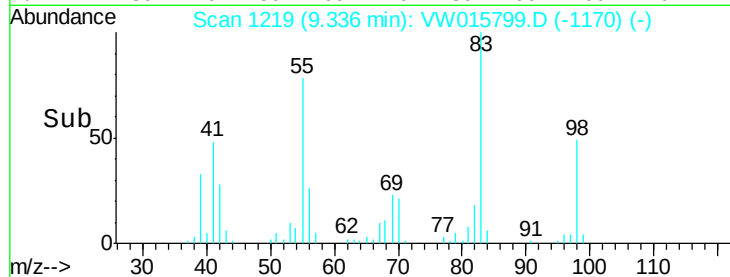
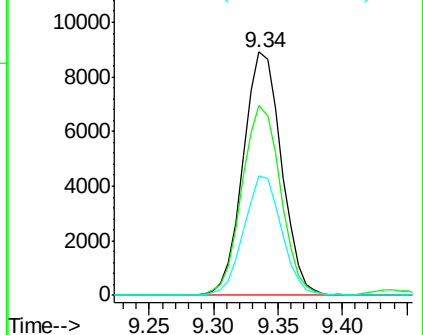
#39
Methylvlcyclohexane
Concen: 4.946 ug/l
RT: 9.34 min Scan# 1219
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion: 83 Resp: 18304
Ion Ratio Lower Upper
83 100
55 78.0 62.6 94.0
98 48.9 38.6 58.0

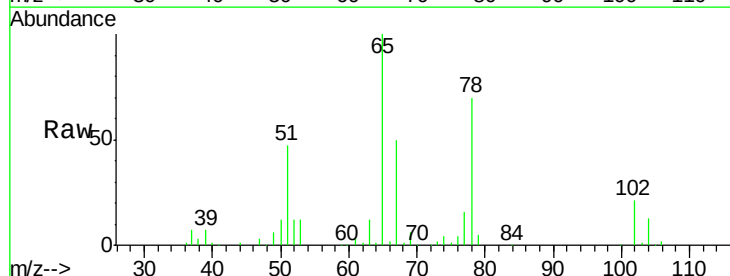


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

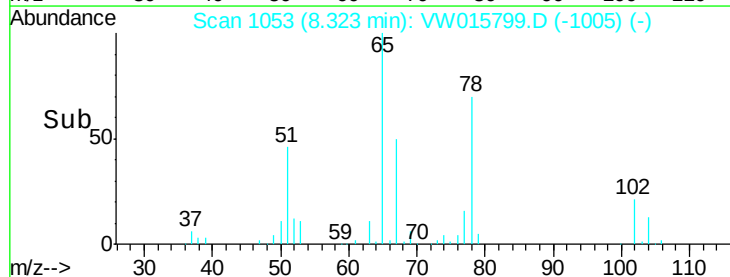
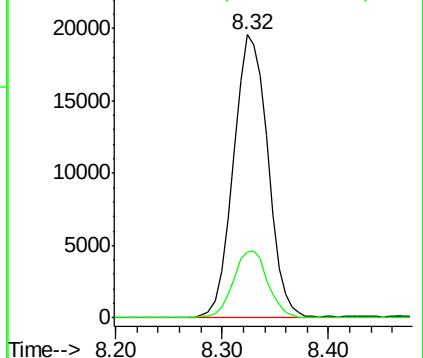


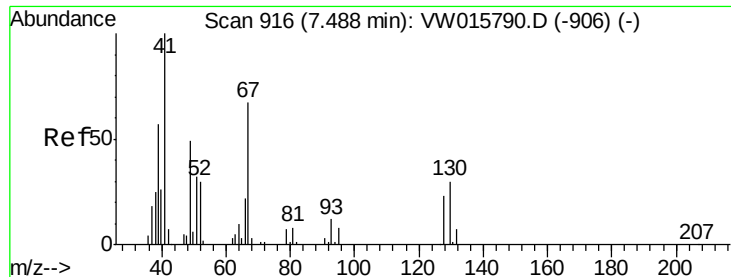
#40
Benzene
Concen: 5.173 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

Tgt Ion: 78 Resp: 44444
Ion Ratio Lower Upper
78 100
77 23.3 19.0 28.6



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

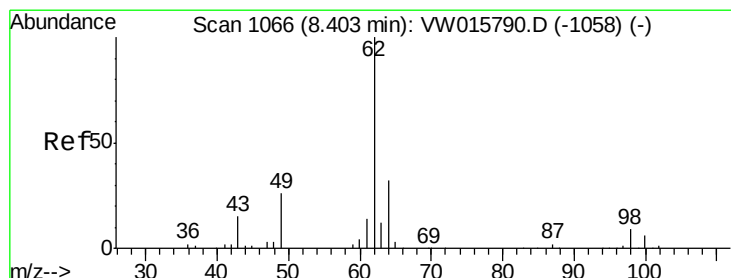
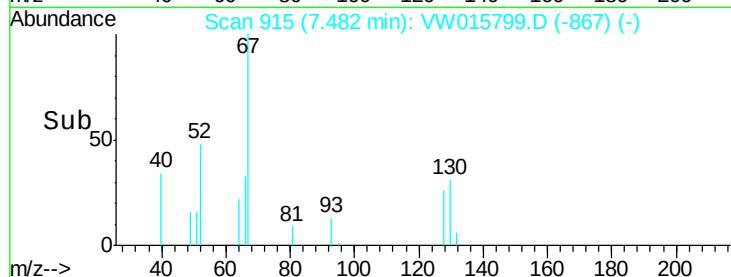
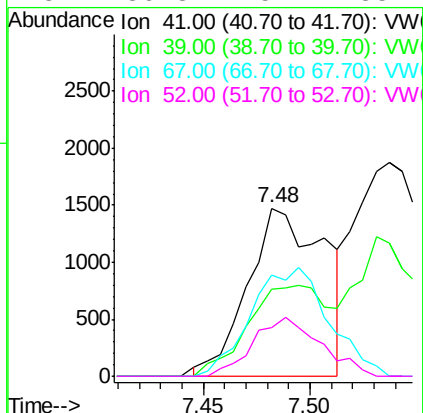
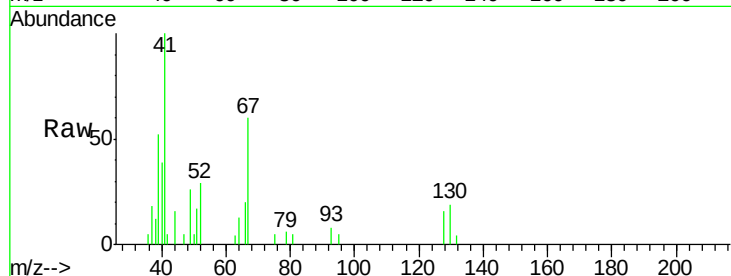




#41
Methacrylonitrile
Concen: 5.329 ug/l m
RT: 7.48 min Scan# 915
Delta R.T. -0.01 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

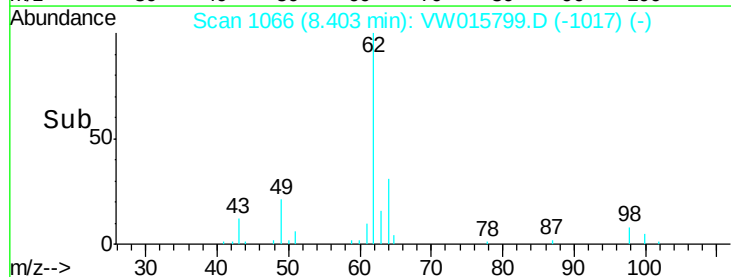
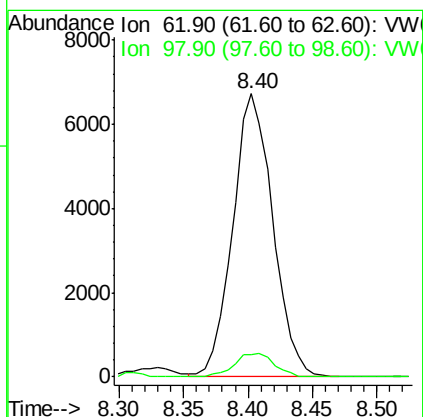
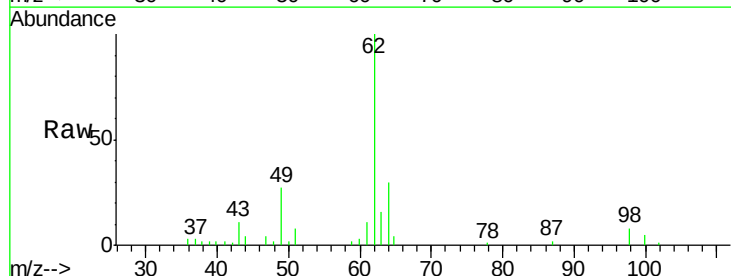
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

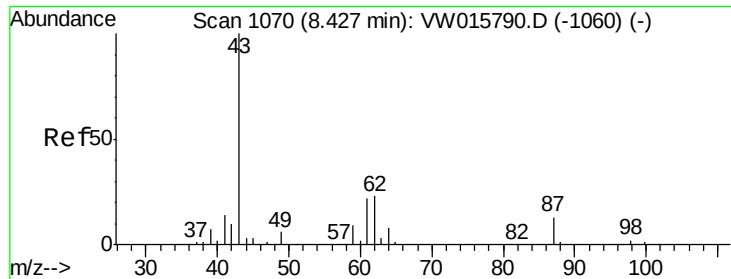
Tot Ion:	41	Resp:	3687
Ion	Ratio	Lower	Upper
41	100		
39	57.9	44.6	66.8
67	65.4	56.4	84.6
52	30.8	25.4	38.2



#42
1,2-Dichloroethane
Concen: 5.434 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

Tgt Ion:	62	Resp:	14531
Ion	Ratio	Lower	Upper
62	100		
98	8.2	0.0	17.2





#43

Isopropyl Acetate

Concen: 5.111 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

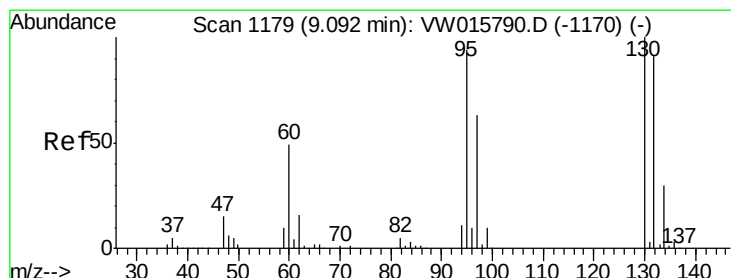
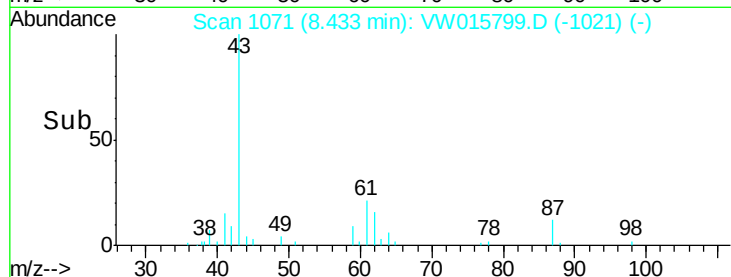
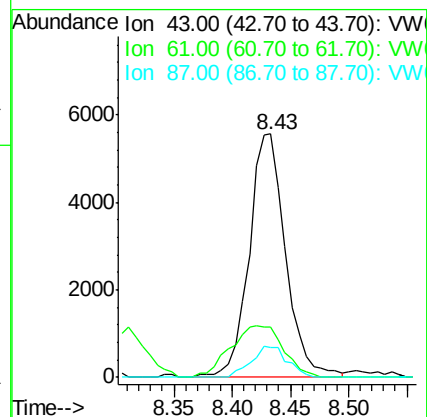
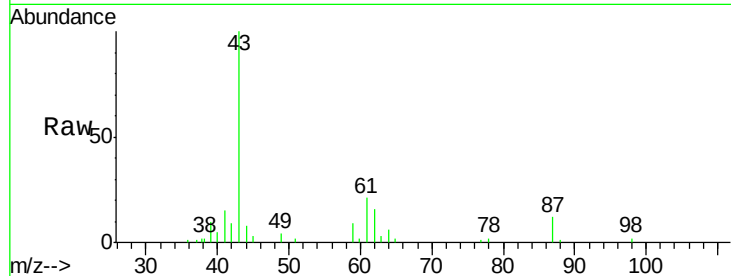
Tot Ion: 43 Resp: 12158

Ion Ratio Lower Upper

43 100

61 30.5 24.8 37.2

87 12.5 10.4 15.6



#44

Trichloroethene

Concen: 5.028 ug/l

RT: 9.09 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VW015799.D

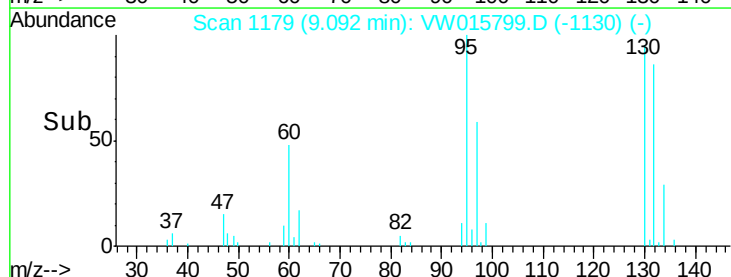
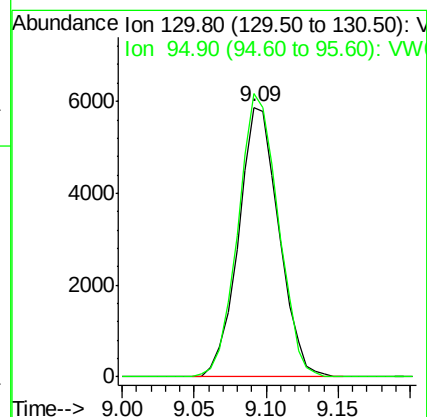
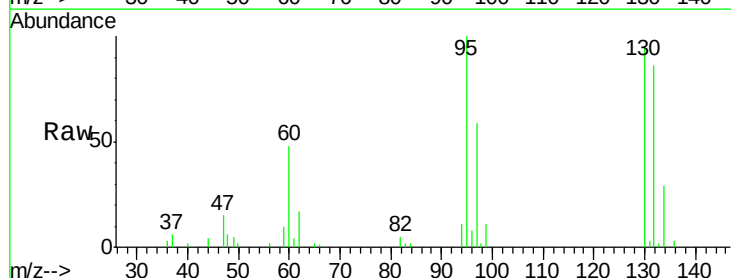
Acq: 07 Jul 2020 18:52

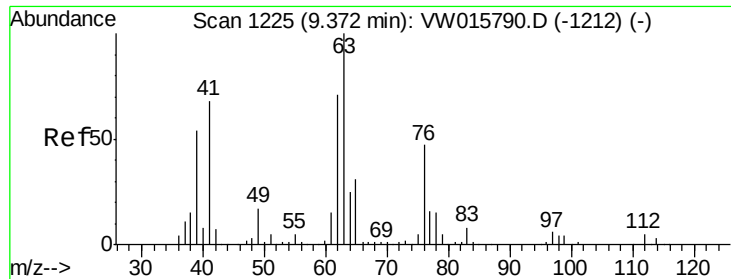
Tgt Ion: 130 Resp: 11426

Ion Ratio Lower Upper

130 100

95 104.9 0.0 188.6

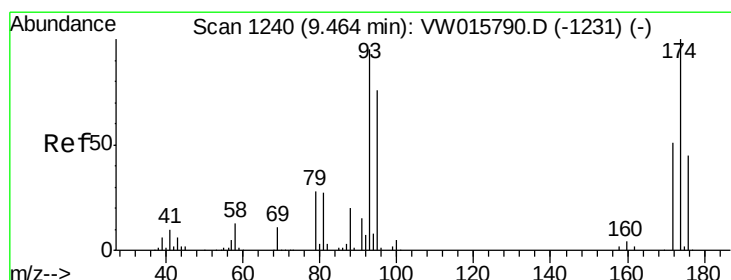
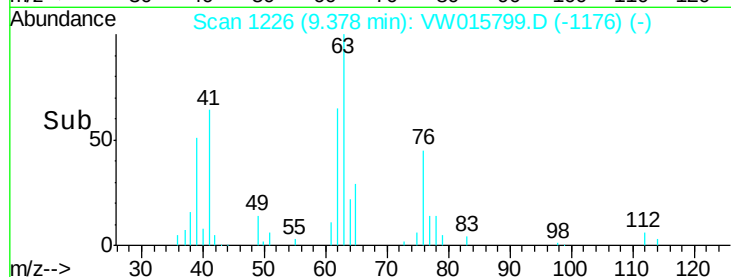
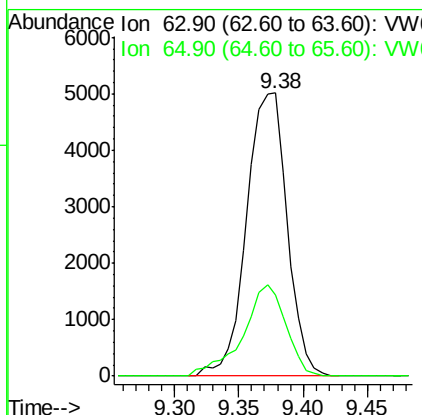
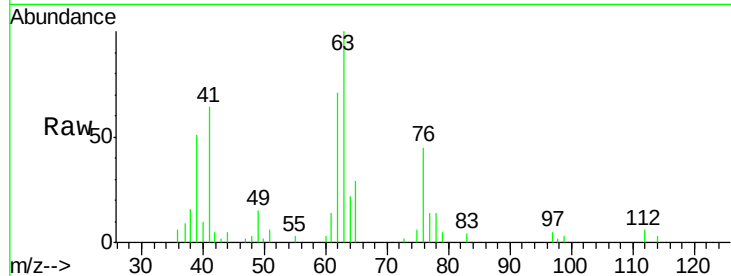




#45
 1,2-Dichloropropane
 Concen: 5.184 ug/l
 RT: 9.38 min Scan# 1226
 Delta R.T. 0.01 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

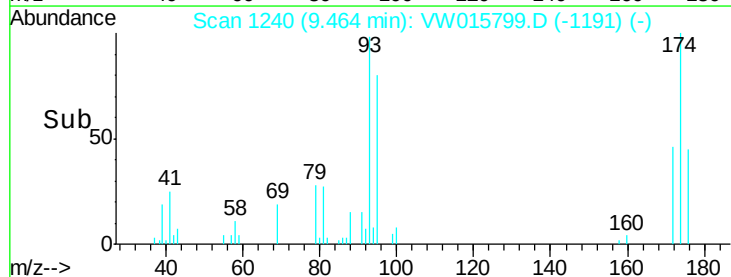
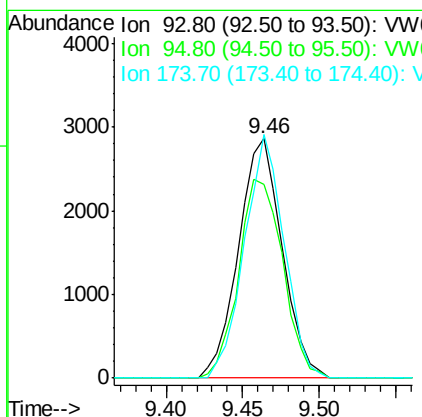
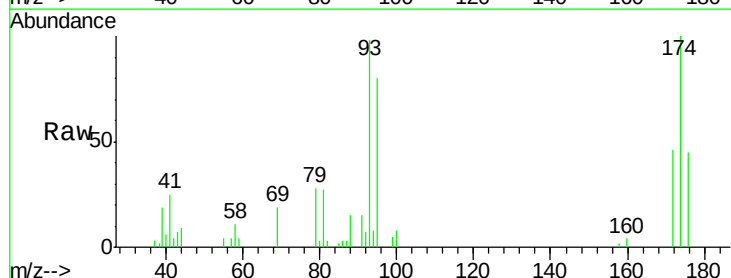
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

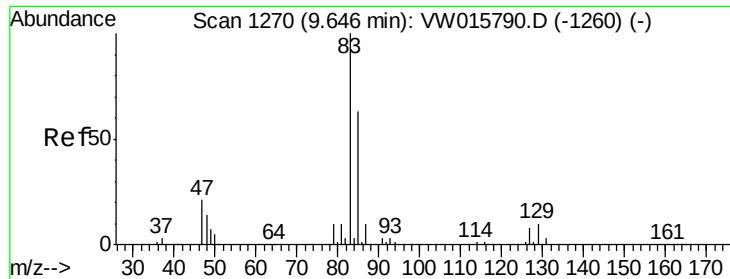
Tot Ion: 63 Resp: 10947
 Ion Ratio Lower Upper
 63 100
 65 28.7 24.5 36.7



#46
 Dibromomethane
 Concen: 5.221 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. 0.00 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

Tgt Ion: 93 Resp: 5676
 Ion Ratio Lower Upper
 93 100
 95 84.2 66.0 99.0
 174 92.4 78.7 118.1





#47

Bromodichloromethane

Concen: 4.908 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

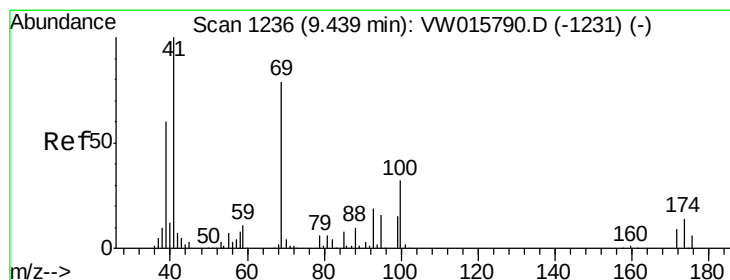
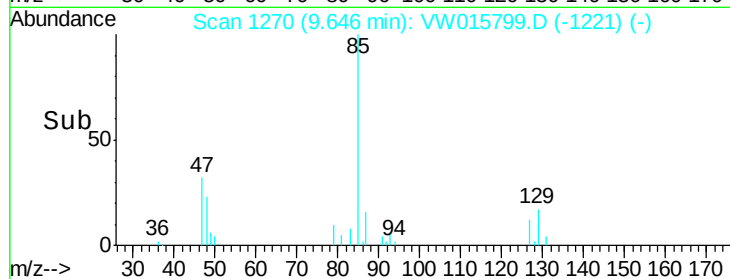
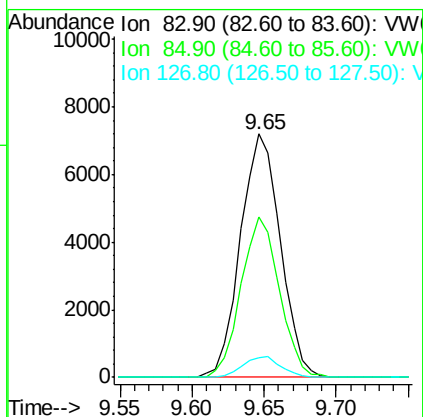
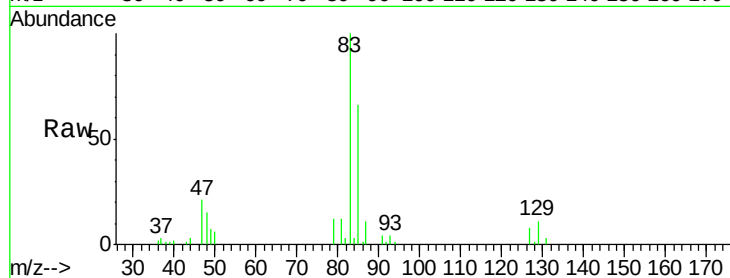
Tot Ion: 83 Resp: 13801

Ion Ratio Lower Upper

83 100

85 66.1 50.6 76.0

127 7.9 6.2 9.2



#48

Methyl methacrylate

Concen: 5.438 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

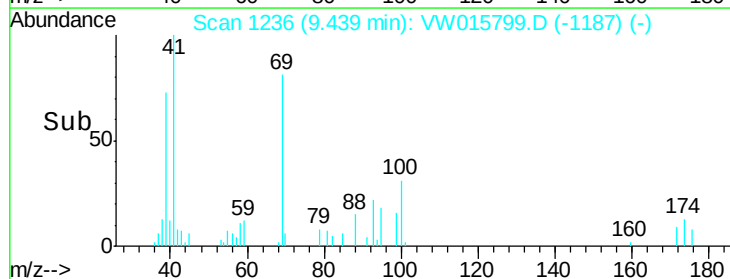
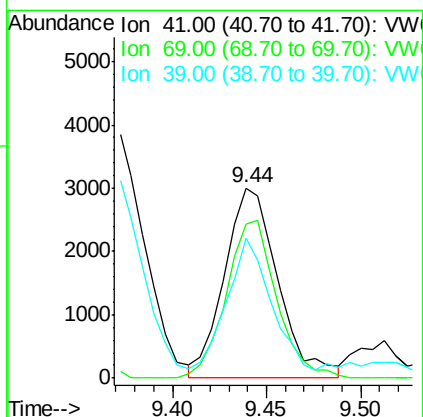
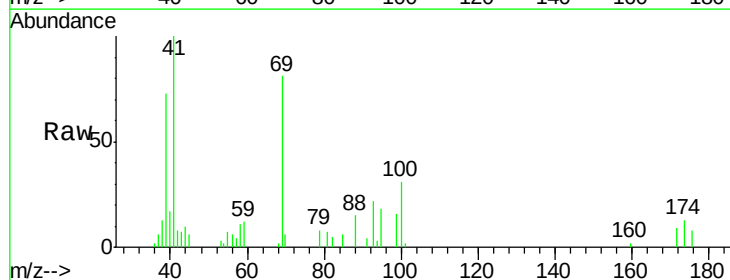
Tgt Ion: 41 Resp: 5928

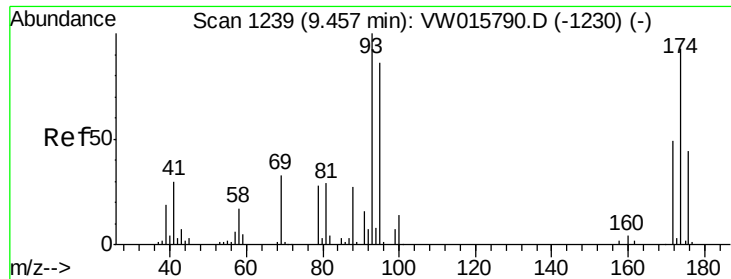
Ion Ratio Lower Upper

41 100

69 77.9 67.1 100.7

39 64.6 49.9 74.9





#49

1,4-Dioxane

Concen: 100.662 ug/l

RT: 9.45 min Scan# 1237

Delta R.T. -0.01 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

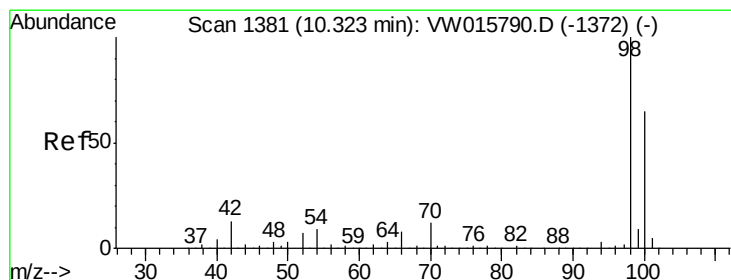
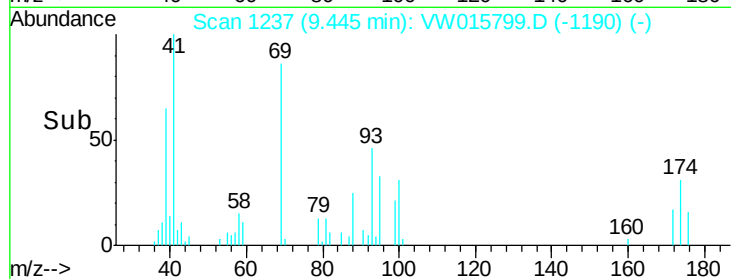
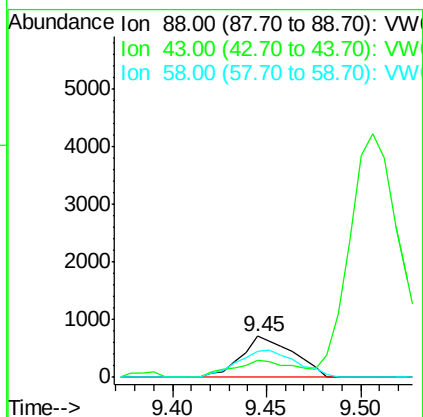
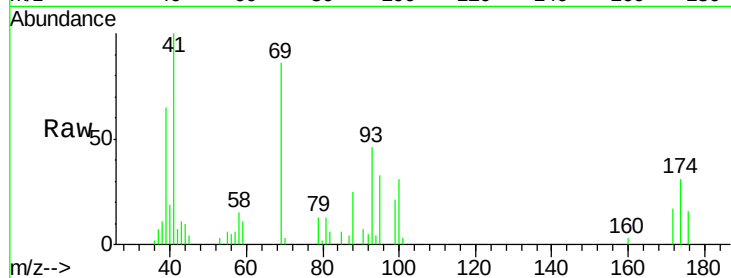
Tot Ion: 88 Resp: 1353

Ion Ratio Lower Upper

88 100

43 52.2 28.1 42.1#

58 76.1 59.3 88.9



#50

Toluene-d8

Concen: 47.916 ug/l

RT: 10.32 min Scan# 1381

Delta R.T. 0.00 min

Lab File: VW015799.D

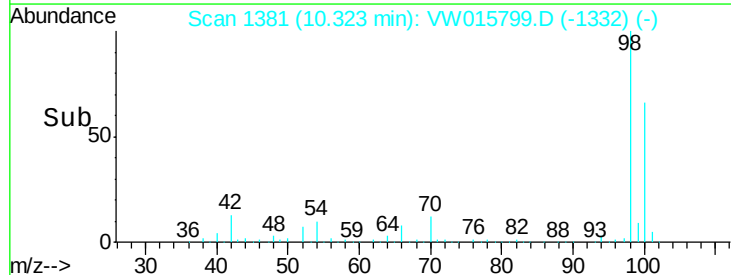
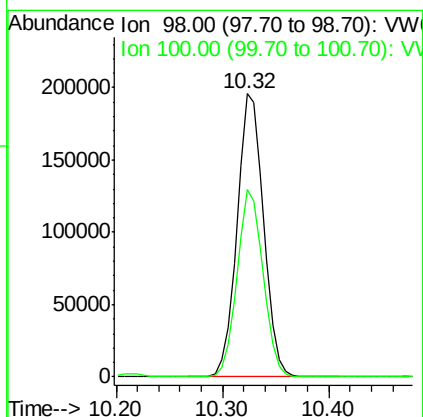
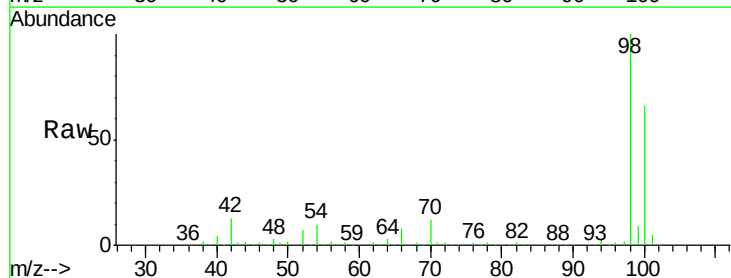
Acq: 07 Jul 2020 18:52

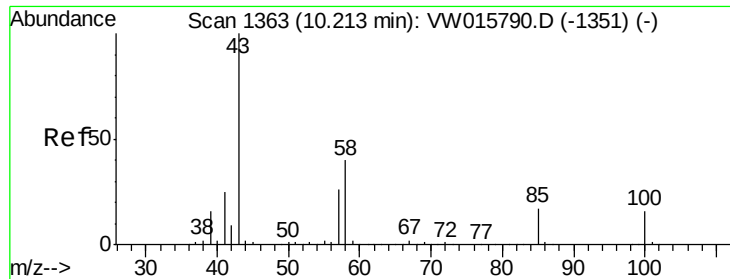
Tgt Ion: 98 Resp: 341638

Ion Ratio Lower Upper

98 100

100 65.2 52.6 79.0

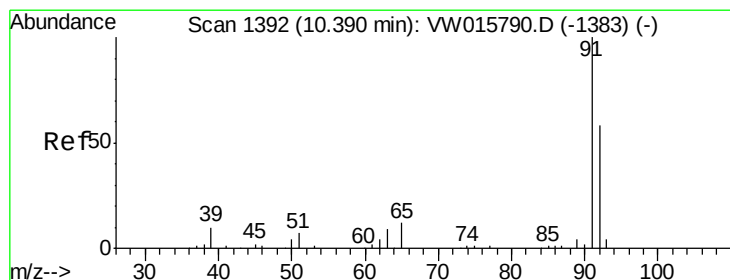
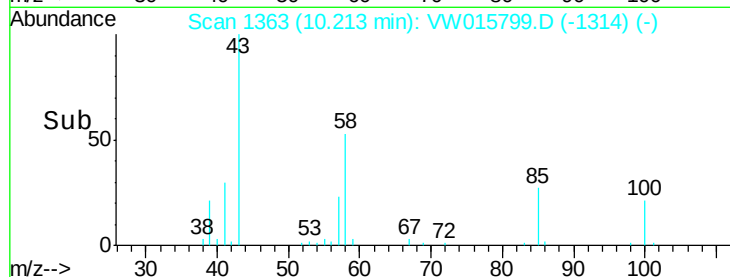
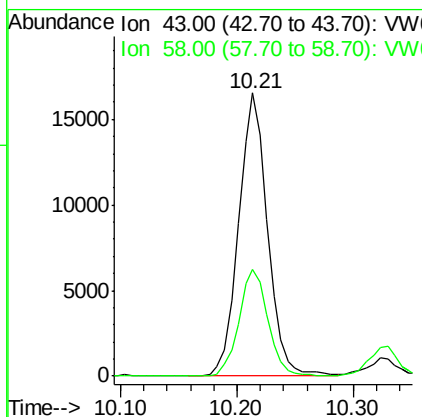
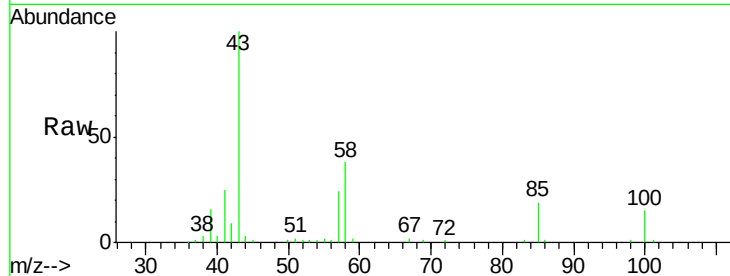




#51
4-Methyl-2-Pentanone
Concen: 24.667 ug/l
RT: 10.21 min Scan# 1363
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

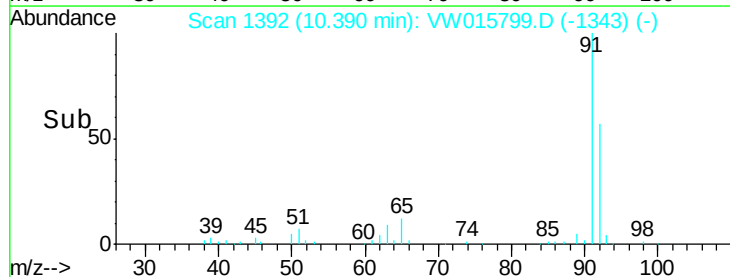
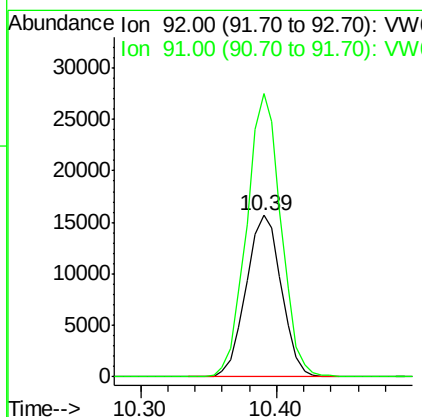
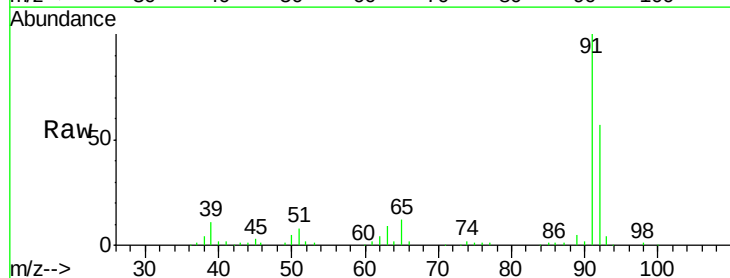
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

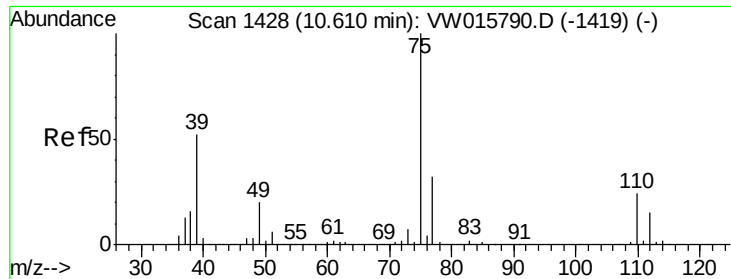
Tot Ion: 43 Resp: 28633
Ion Ratio Lower Upper
43 100
58 37.7 30.9 46.3



#52
Toluene
Concen: 5.143 ug/l
RT: 10.39 min Scan# 1392
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

Tgt Ion: 92 Resp: 28433
Ion Ratio Lower Upper
92 100
91 171.0 137.1 205.7

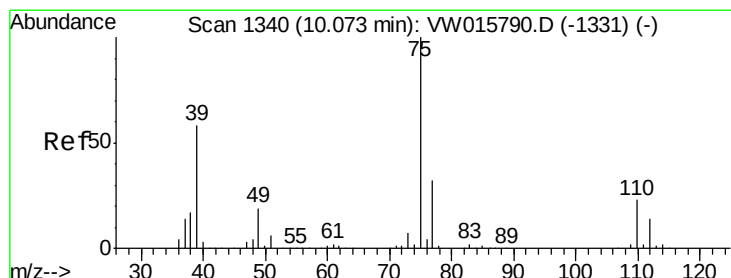
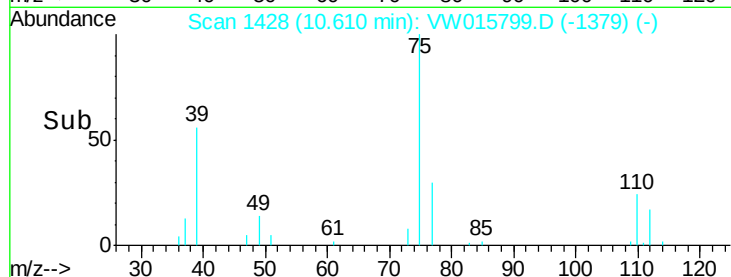
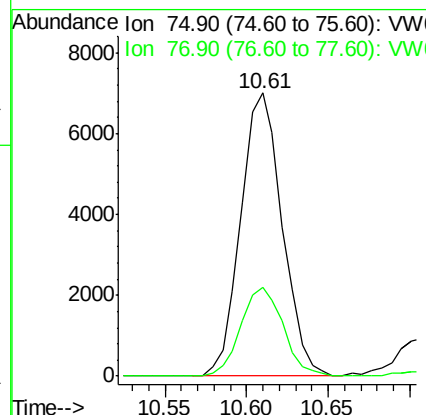
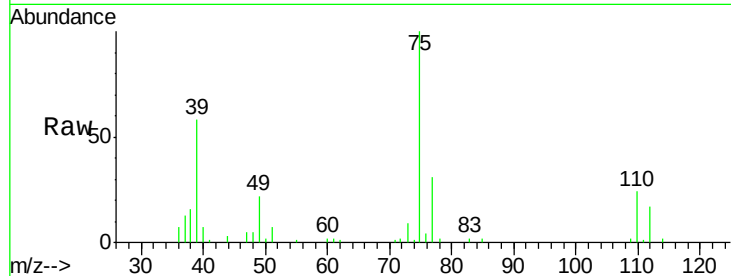




#53
 t-1,3-Dichloropropene
 Concen: 4.590 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. 0.00 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

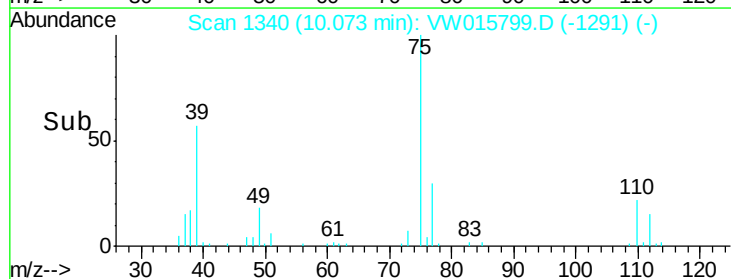
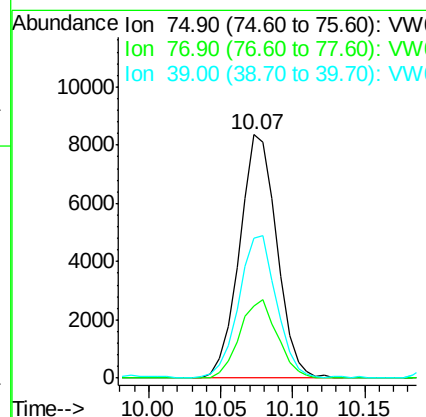
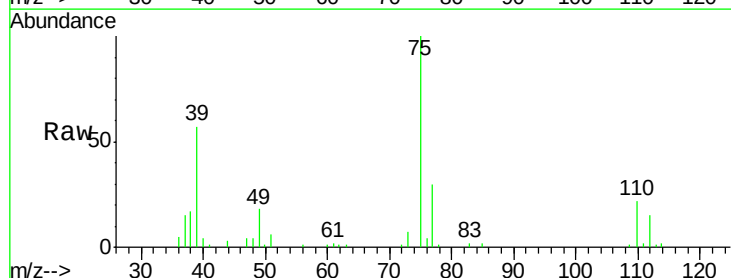
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

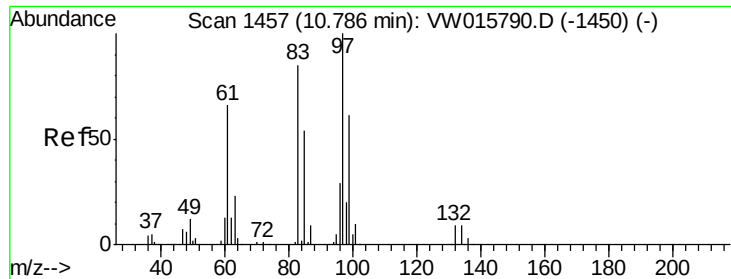
Tot Ion: 75 Resp: 12383
 Ion Ratio Lower Upper
 75 100
 77 31.4 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 4.661 ug/l
 RT: 10.07 min Scan# 1340
 Delta R.T. 0.00 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

Tgt Ion: 75 Resp: 15043
 Ion Ratio Lower Upper
 75 100
 77 29.7 25.2 37.8
 39 57.3 46.0 69.0





#55

1,1,2-Trichloroethane

Concen: 5.045 ug/l

RT: 10.79 min Scan# 1457

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

Tot Ion: 97 Resp: 7606

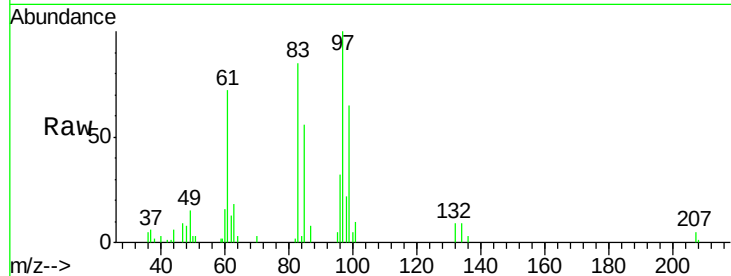
Ion Ratio Lower Upper

97 100

83 84.8 68.2 102.4

85 56.0 43.4 65.0

99 65.3 48.6 72.8

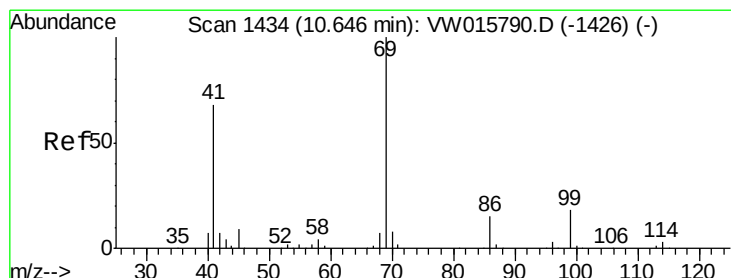
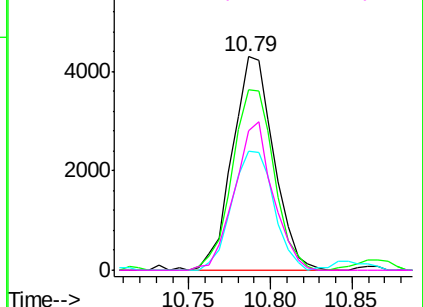
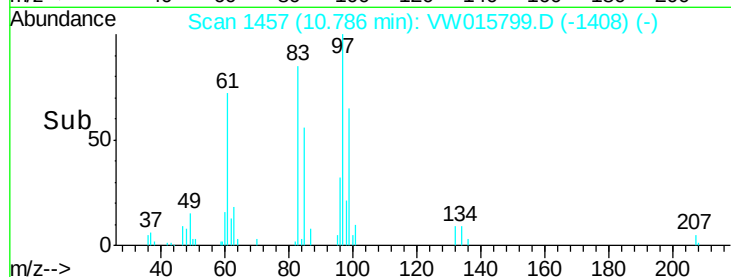


Abundance Ion 96.90 (96.60 to 97.60): VW

Ion 82.90 (82.60 to 83.60): VW

Ion 84.90 (84.60 to 85.60): VW

Ion 98.90 (98.60 to 99.60): VW



#56

Ethyl methacrylate

Concen: 4.695 ug/l

RT: 10.65 min Scan# 1434

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

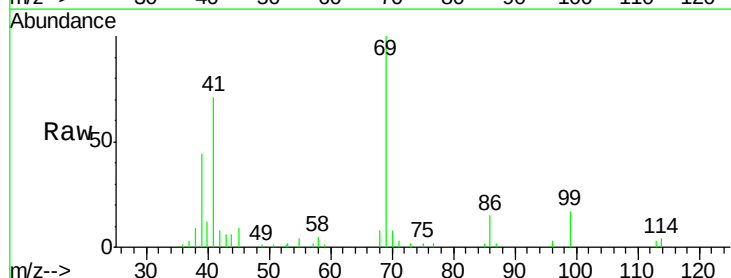
Tgt Ion: 69 Resp: 8701

Ion Ratio Lower Upper

69 100

41 67.1 55.0 82.6

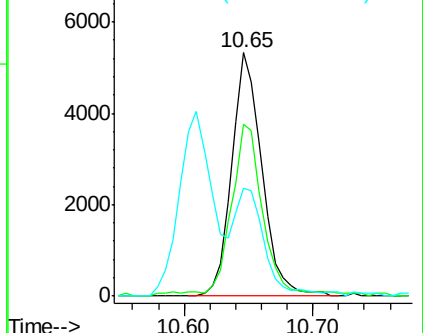
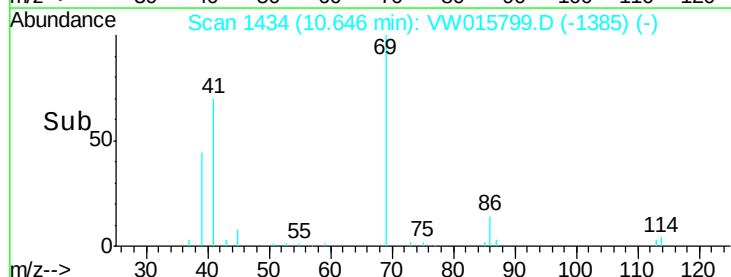
39 43.4 33.8 50.8

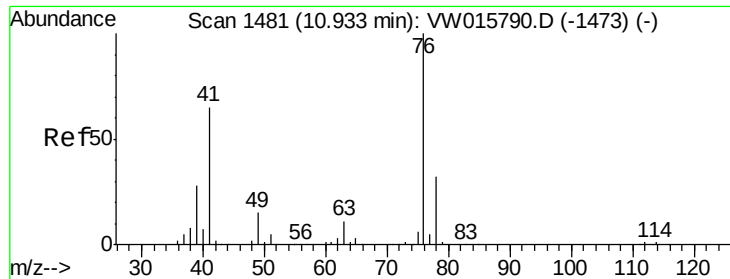


Abundance Ion 69.00 (68.70 to 69.70): VW

Ion 41.00 (40.70 to 41.70): VW

Ion 39.00 (38.70 to 39.70): VW

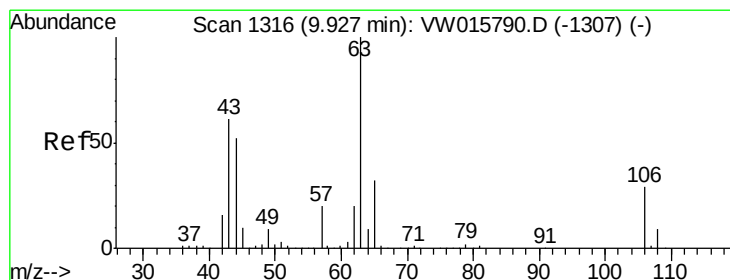
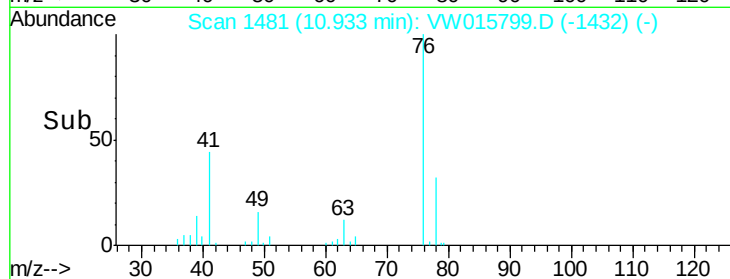
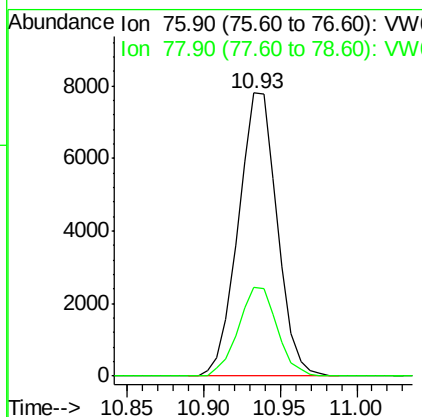
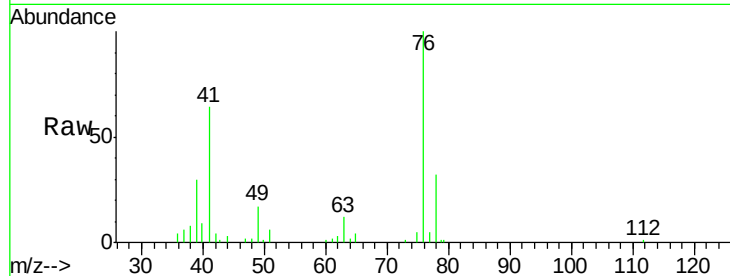




#57
 1,3-Dichloropropane
 Concen: 5.151 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. 0.00 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

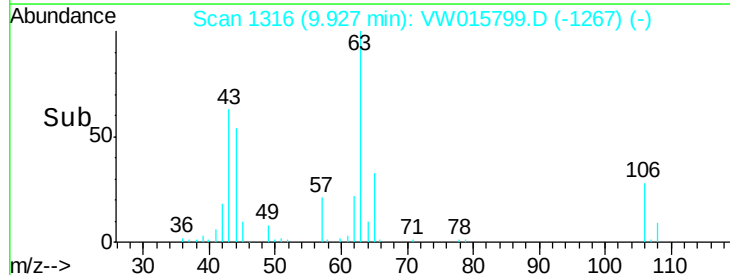
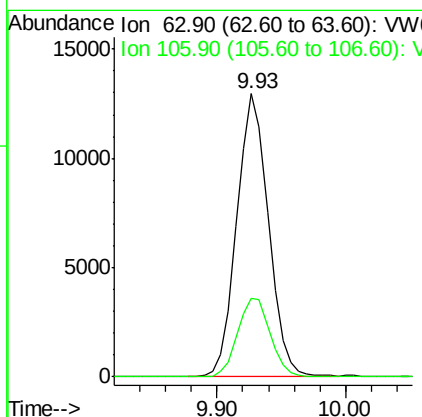
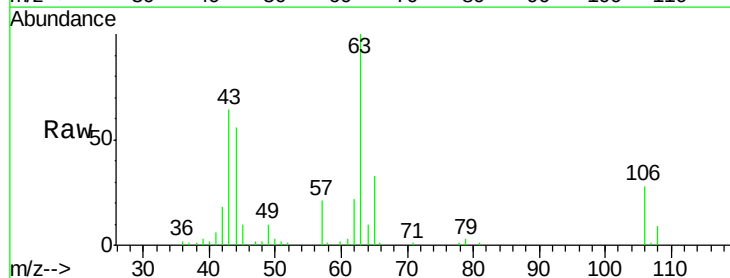
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

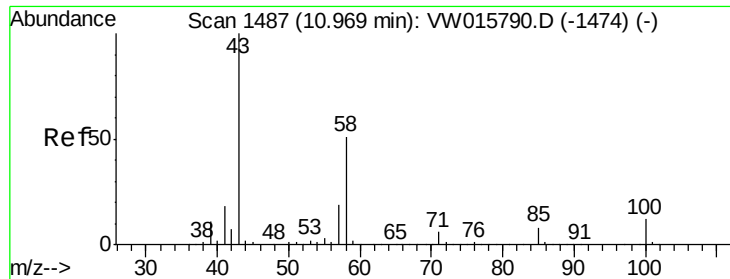
Tot Ion: 76 Resp: 13745
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.471 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. 0.00 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

Tgt Ion: 63 Resp: 22161
 Ion Ratio Lower Upper
 63 100
 106 28.3 23.1 34.7





#59

2-Hexanone

Concen: 23.996 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

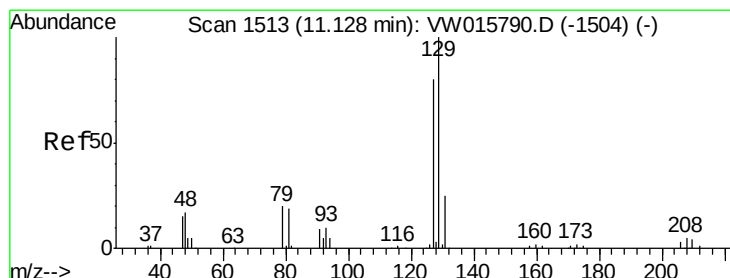
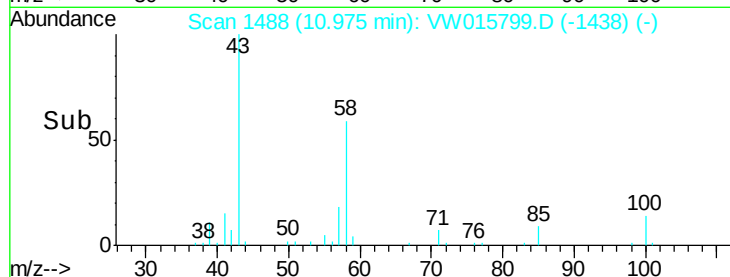
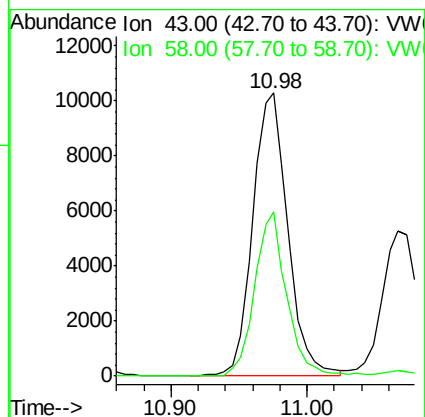
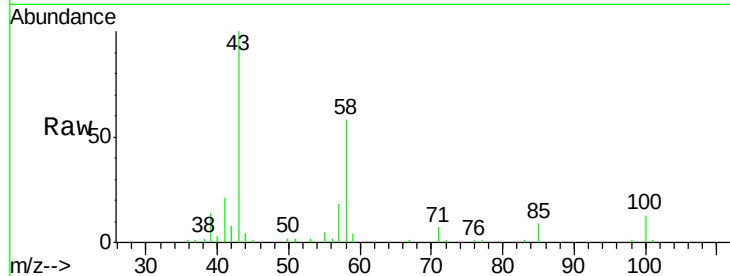
LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 18588

Ion Ratio Lower Upper

43 100

58 53.1 26.2 78.5



#60

Dibromochloromethane

Concen: 4.725 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW015799.D

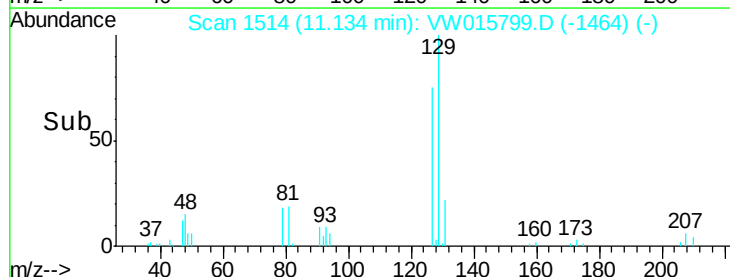
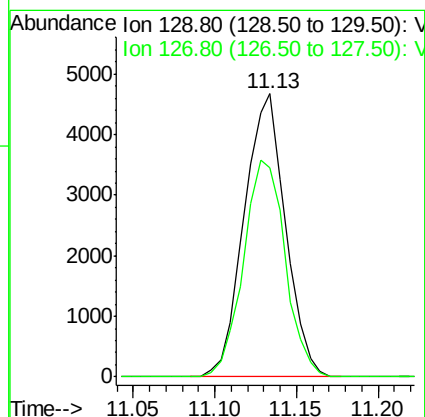
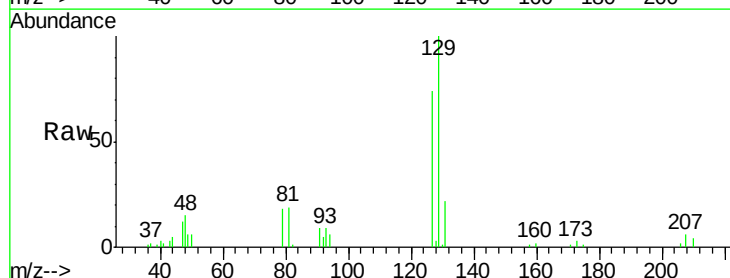
Acq: 07 Jul 2020 18:52

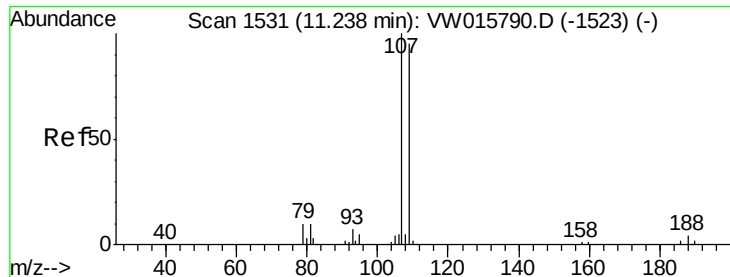
Tgt Ion: 129 Resp: 8226

Ion Ratio Lower Upper

129 100

127 77.6 39.4 118.1





#61

1,2-Dibromoethane

Concen: 5.080 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

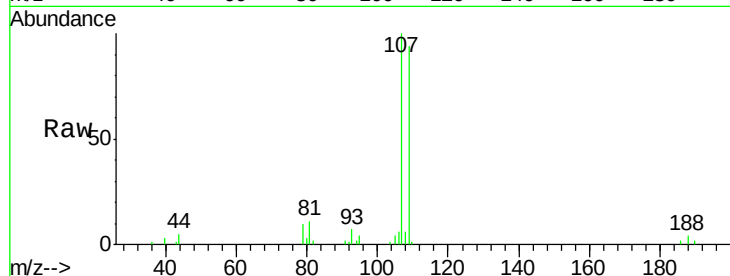
LOQ-SOIL-02-QT3-2020

Tot Ion: 107 Resp: 7327

Ion Ratio Lower Upper

107 100

109 92.8 77.0 115.6

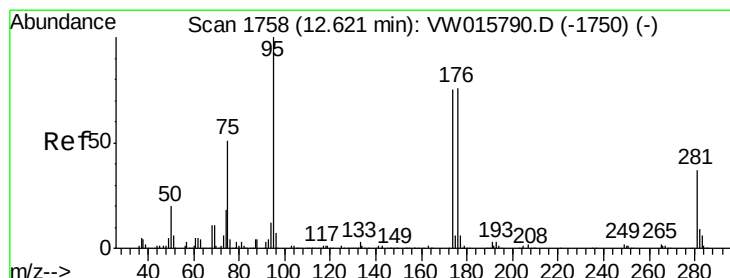
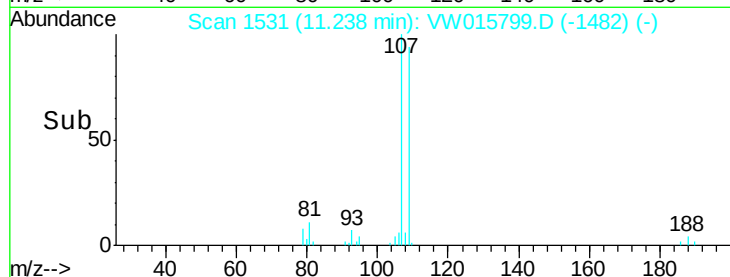


Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.24

Time--> 11.15 11.20 11.25 11.30



#62

4-Bromofluorobenzene

Concen: 47.863 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

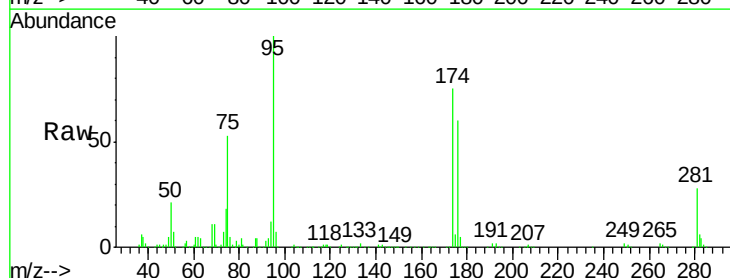
Tgt Ion: 95 Resp: 125225

Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.2

176 70.0 0.0 148.4



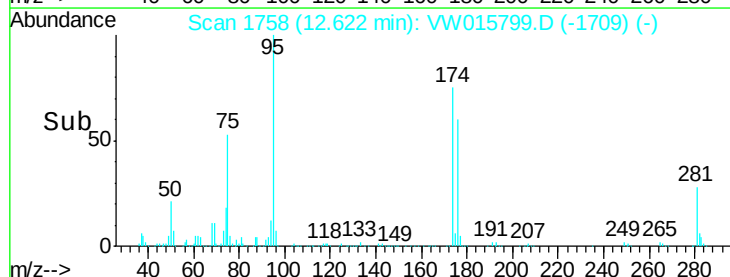
Abundance Ion 94.90 (94.60 to 95.60): VW

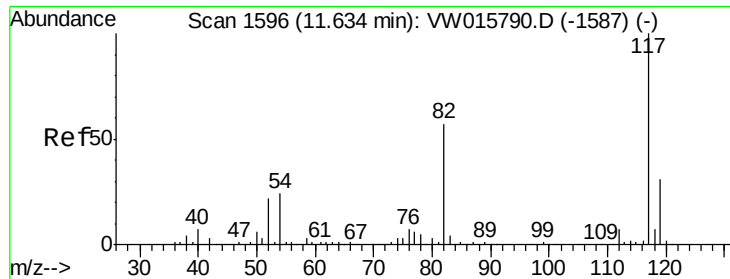
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

12.62

Time--> 12.60 12.70

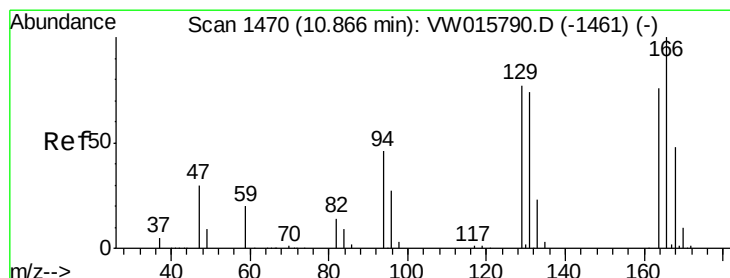
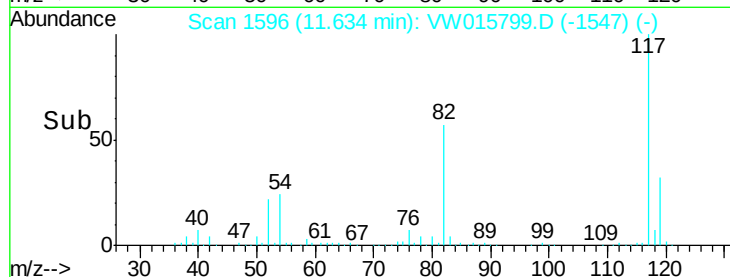
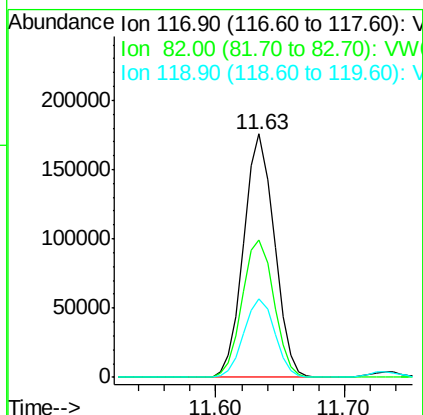
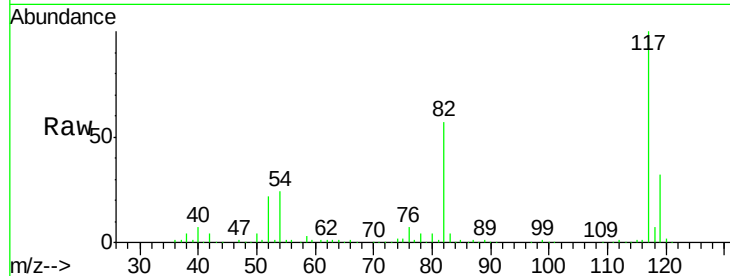




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

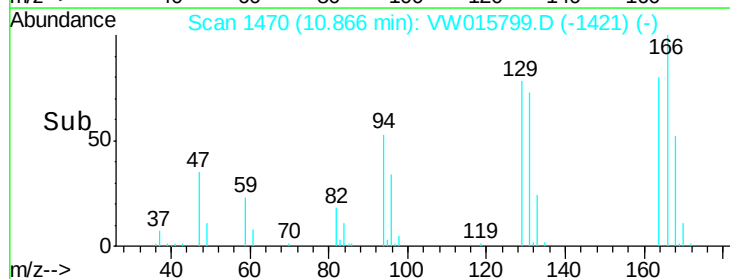
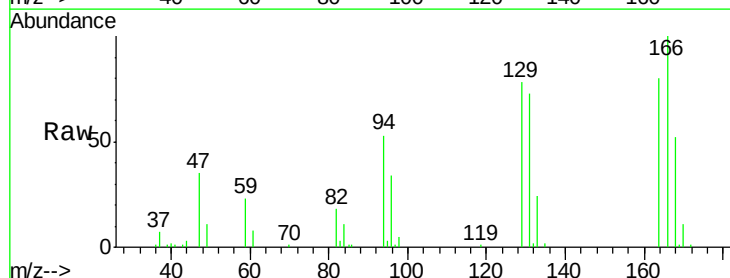
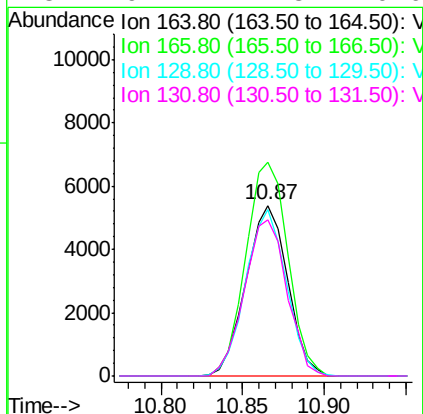
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

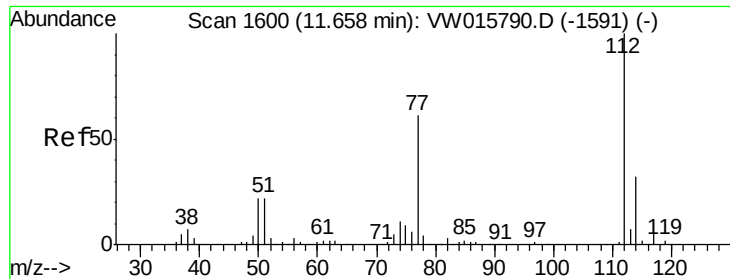
Tot Ion:117 Resp: 289810
Ion Ratio Lower Upper
117 100
82 56.6 45.5 68.3
119 32.2 25.0 37.6



#64
Tetrachloroethene
Concen: 5.197 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

Tgt Ion:164 Resp: 9531
Ion Ratio Lower Upper
164 100
166 125.4 105.1 157.7
129 98.0 80.6 121.0
131 91.7 77.8 116.6

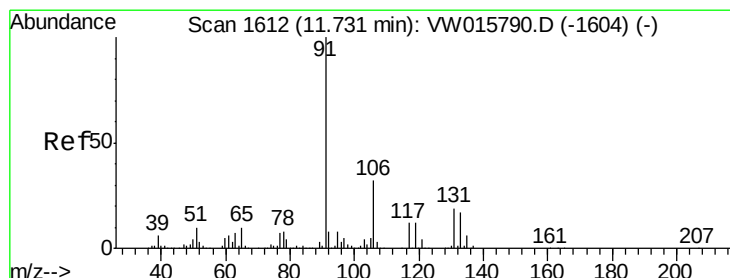
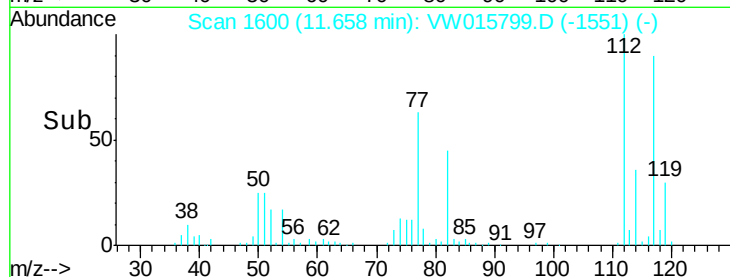
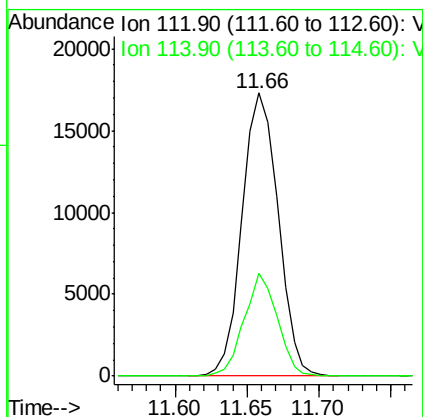
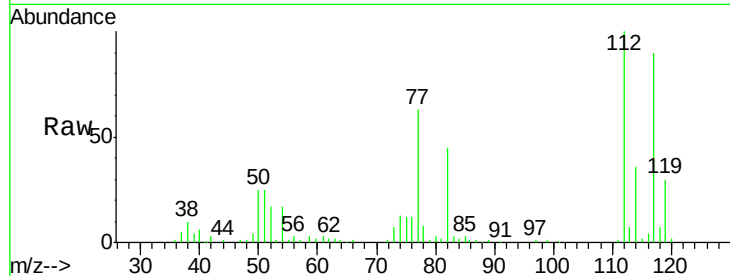




#65
Chlorobenzene
Concen: 5.296 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

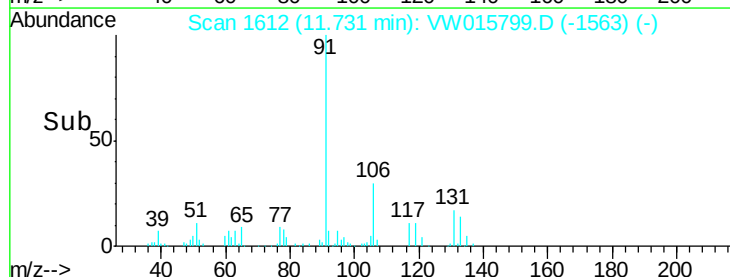
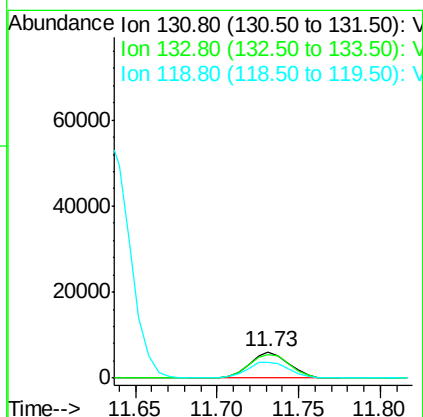
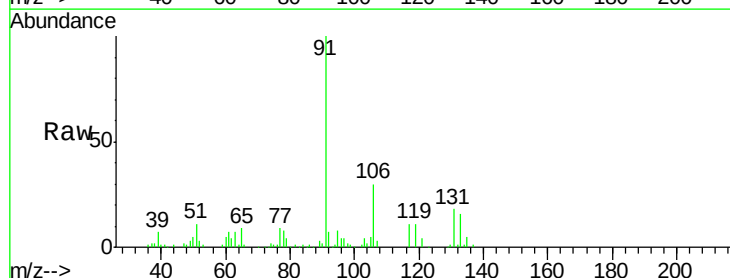
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

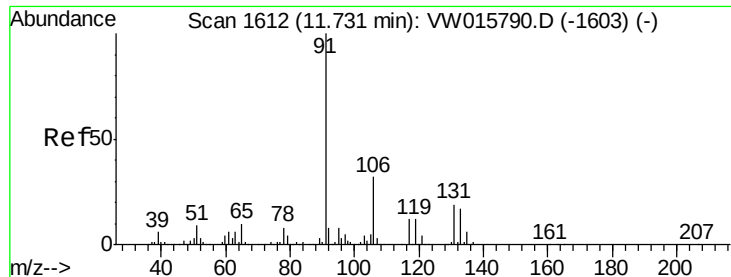
Tot Ion:112 Resp: 30017
Ion Ratio Lower Upper
112 100
114 36.3 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 5.012 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

Tgt Ion:131 Resp: 10053
Ion Ratio Lower Upper
131 100
133 95.0 47.0 141.2
119 68.4 32.3 96.8

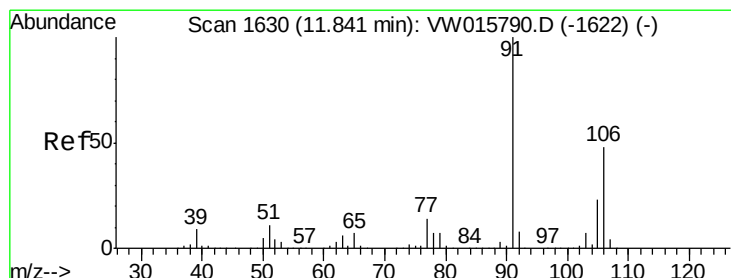
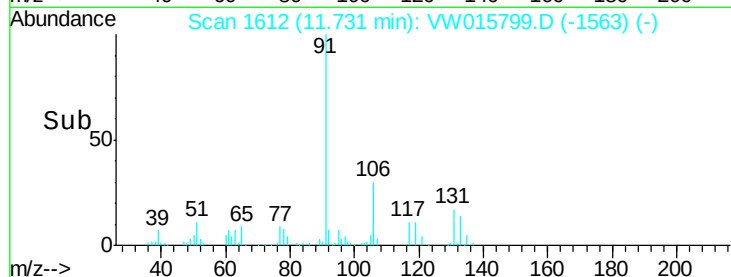
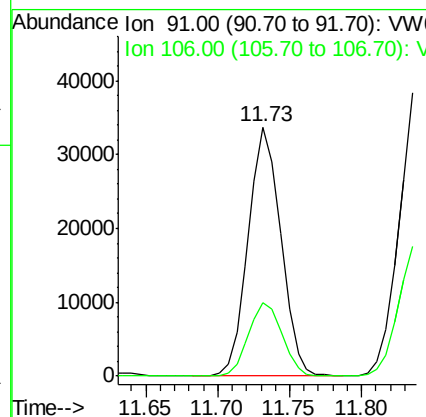
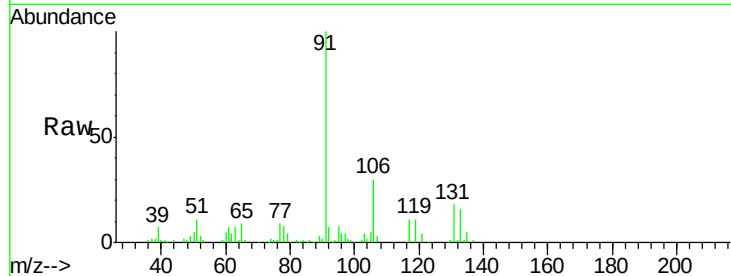




#67
Ethyl Benzene
Concen: 5.040 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

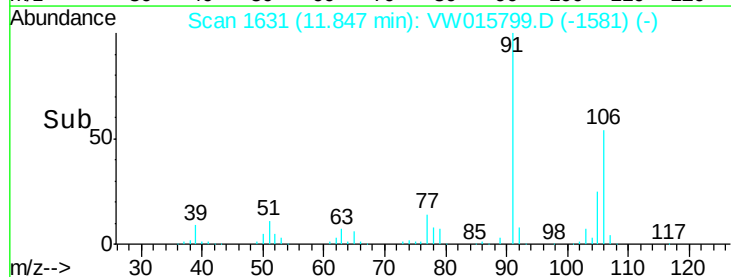
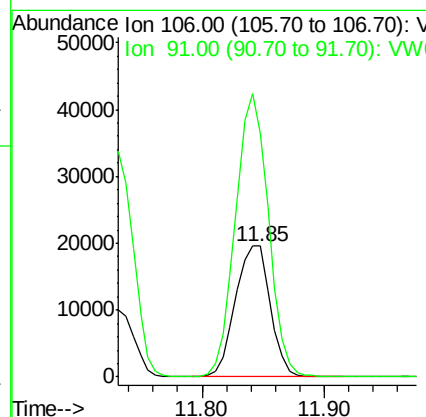
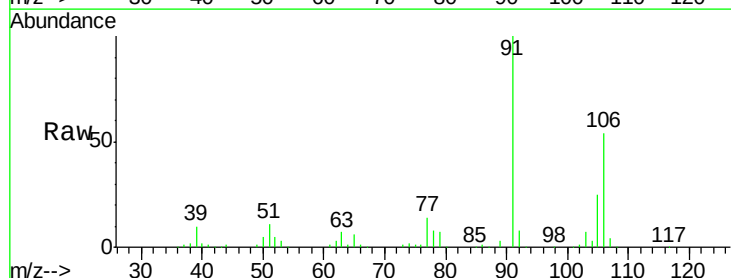
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

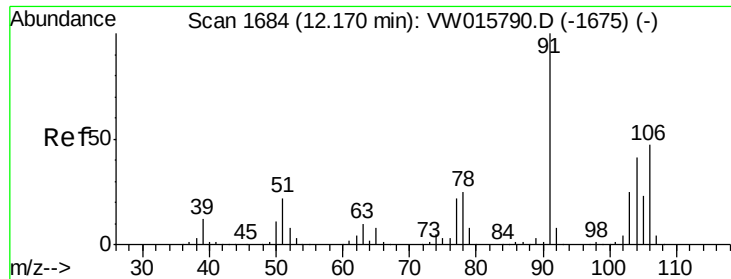
Tot Ion: 91 Resp: 52900
Ion Ratio Lower Upper
91 100
106 29.7 25.8 38.8



#68
m/p-Xylenes
Concen: 9.790 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.01 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

Tgt Ion: 106 Resp: 38598
Ion Ratio Lower Upper
106 100
91 204.6 164.1 246.1

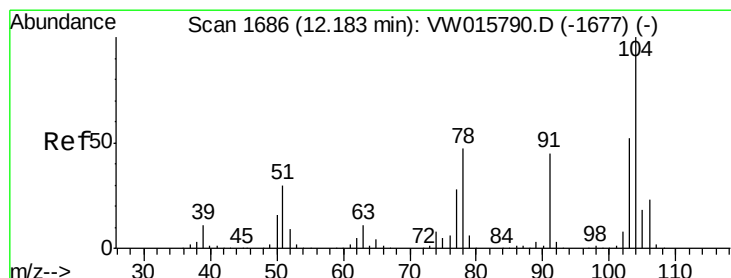
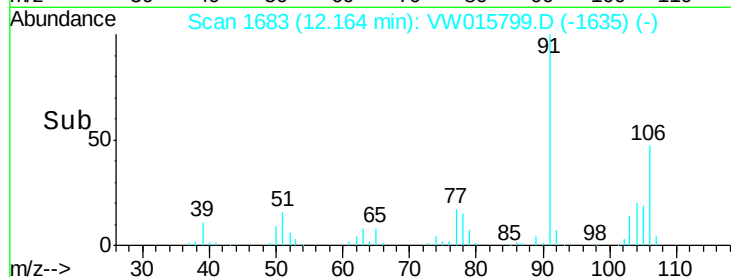
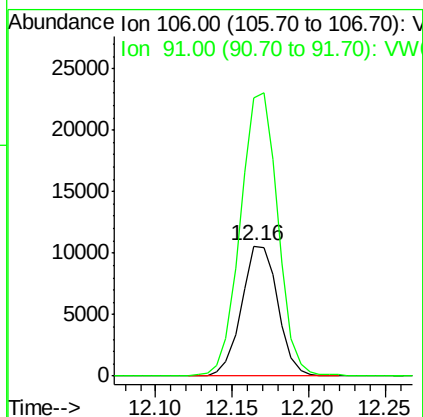
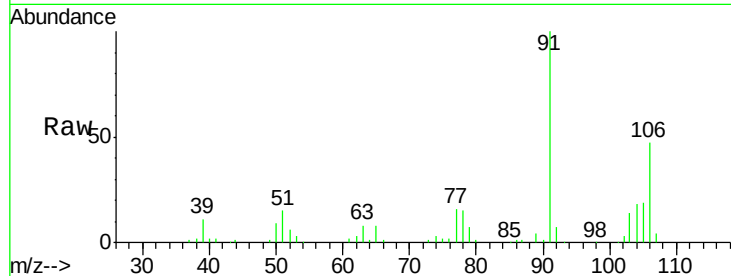




#69
o-Xylene
Concen: 4.834 ug/l
RT: 12.16 min Scan# 1683
Delta R.T. -0.01 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

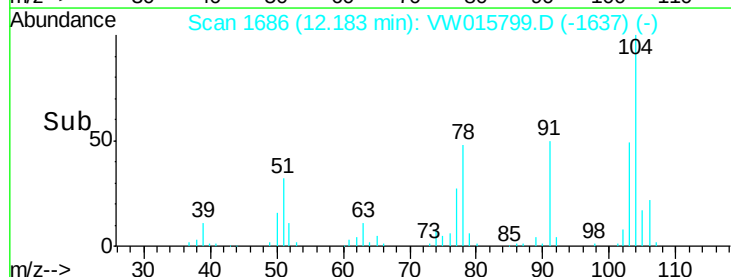
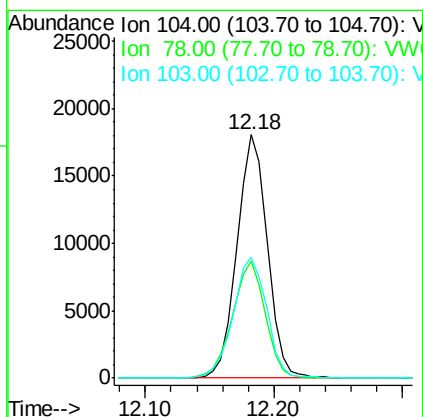
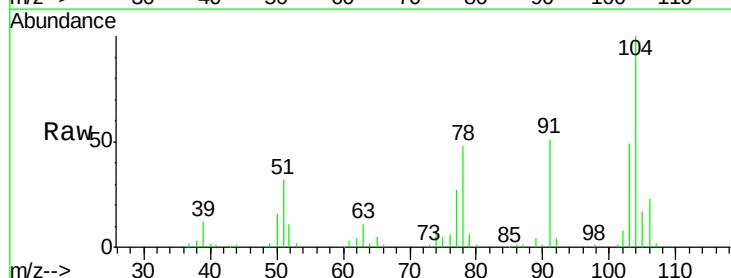
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

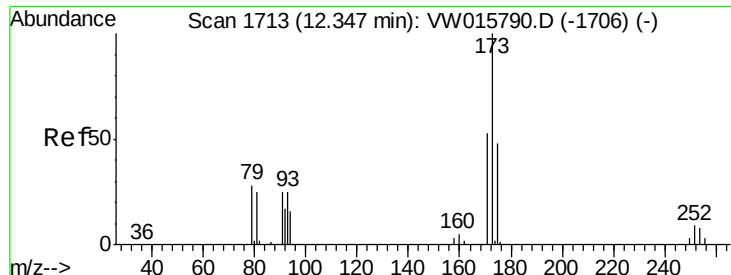
Tot Ion:106 Resp: 17398
Ion Ratio Lower Upper
106 100
91 225.1 108.5 325.3



#70
Styrene
Concen: 4.753 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

Tgt Ion:104 Resp: 29433
Ion Ratio Lower Upper
104 100
78 52.0 41.0 61.4
103 54.9 43.8 65.8





#71

Bromoform

Concen: 4.652 ug/l

RT: 12.35 min Scan# 1714

Delta R.T. 0.01 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

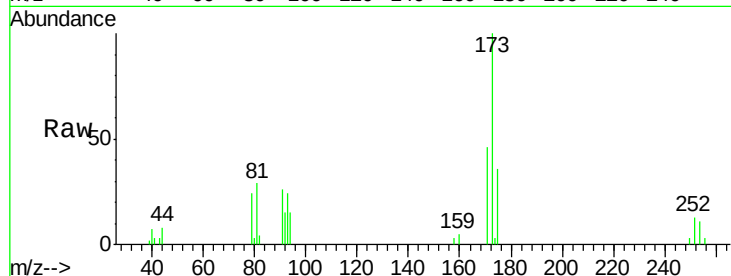
Tot Ion:173 Resp: 4259

Ion Ratio Lower Upper

173 100

175 44.0 23.5 70.5

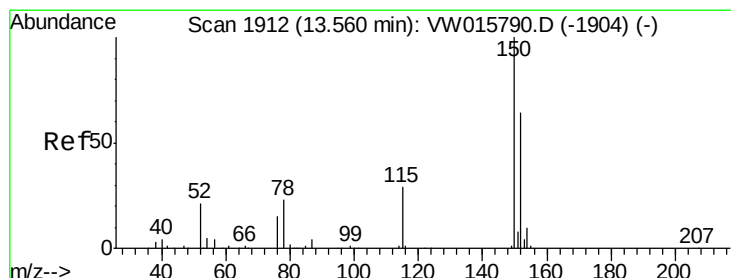
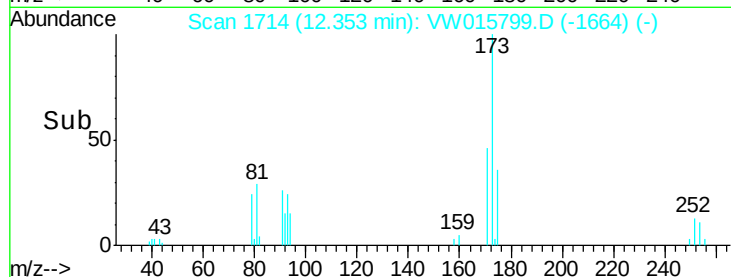
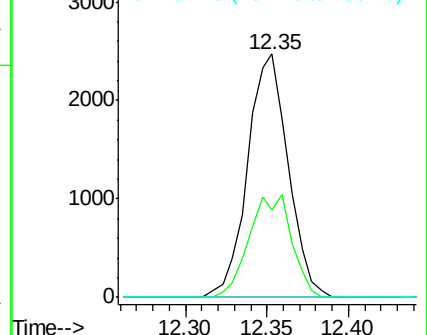
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.56 min Scan# 1912

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

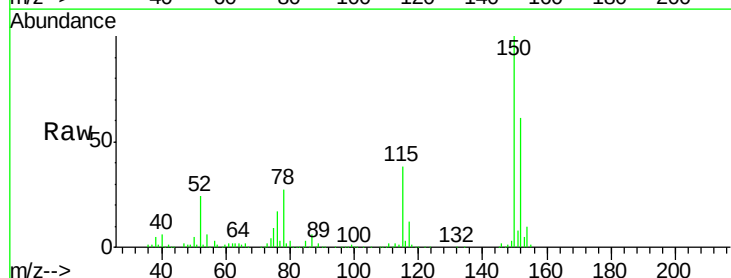
Tgt Ion:152 Resp: 140110

Ion Ratio Lower Upper

152 100

115 62.0 29.9 89.7

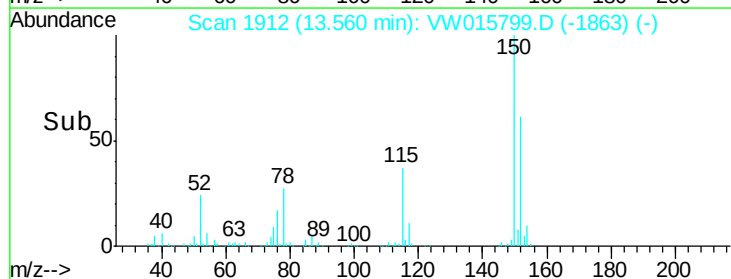
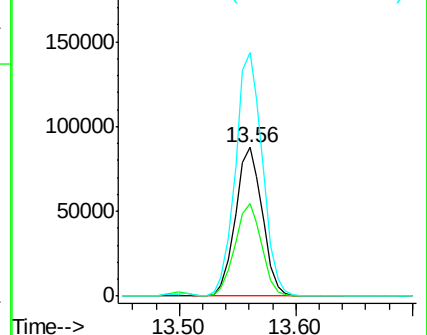
150 165.1 0.0 350.8

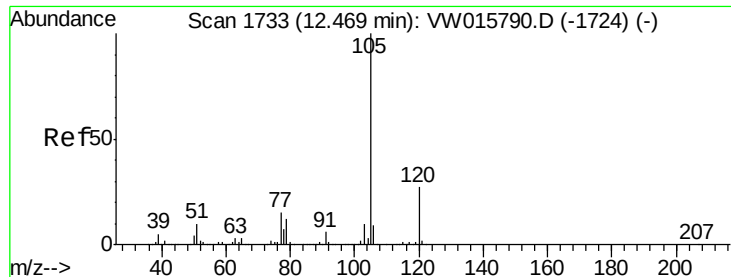


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 4.890 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

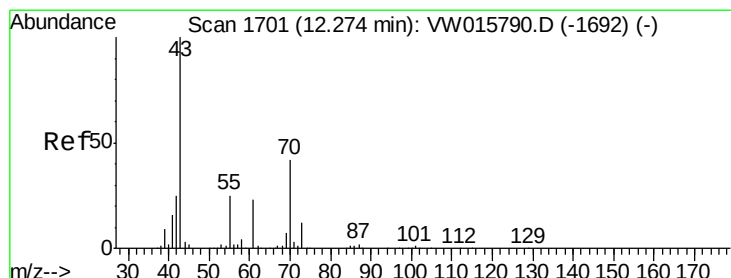
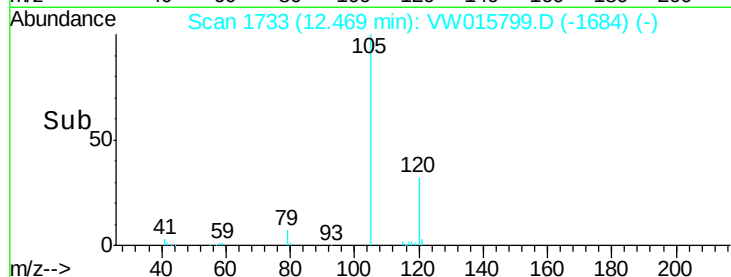
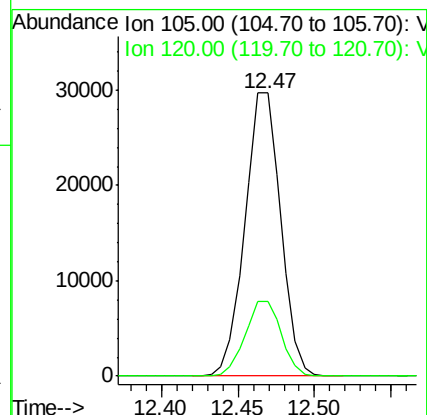
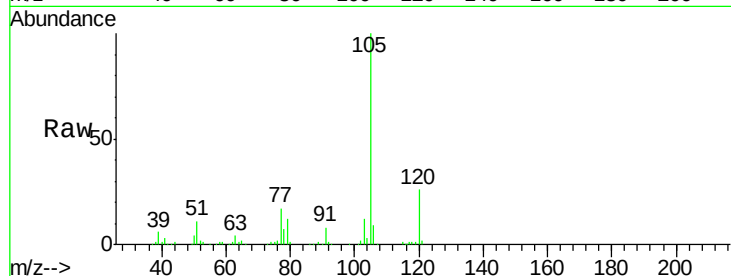
LOQ-SOIL-02-QT3-2020

Tot Ion:105 Resp: 48264

Ion Ratio Lower Upper

105 100

120 26.8 13.2 39.6



#74

N-ethyl acetate

Concen: 4.983 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Tgt Ion: 43 Resp: 10524

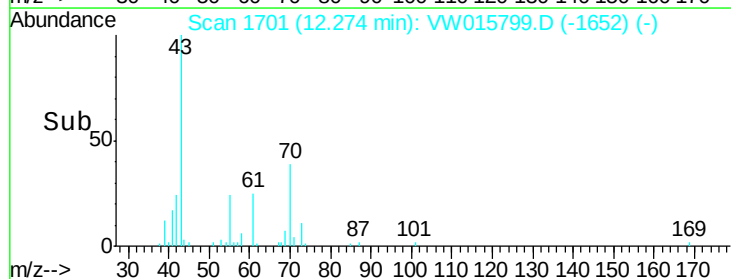
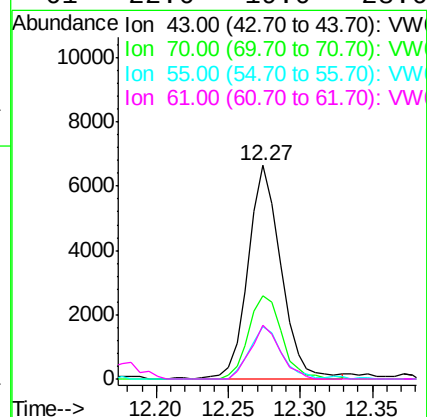
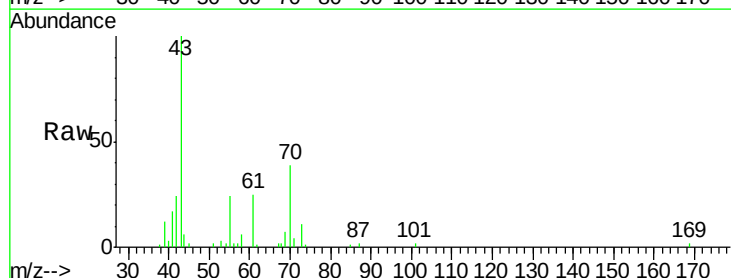
Ion Ratio Lower Upper

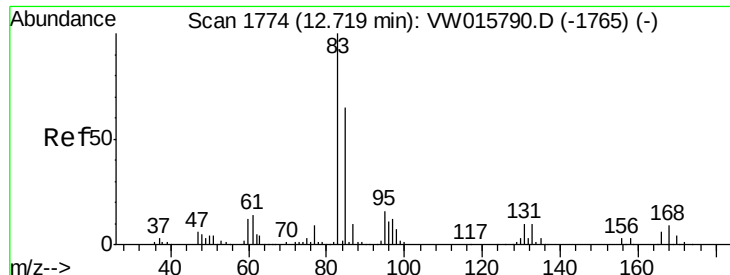
43 100

70 39.5 34.1 51.1

55 24.4 20.0 30.0

61 22.6 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.225 ug/l

RT: 12.71 min Scan# 1773

Delta R.T. -0.01 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

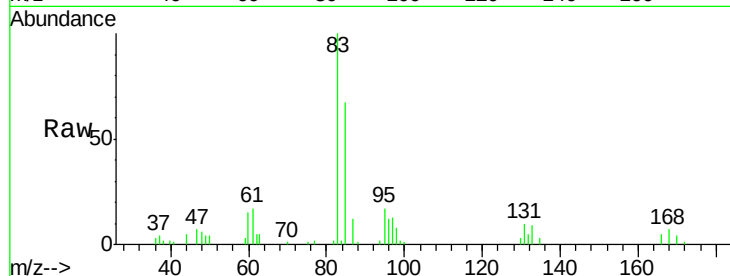
Tot Ion: 83 Resp: 8569

Ion Ratio Lower Upper

83 100

131 10.2 5.3 16.1

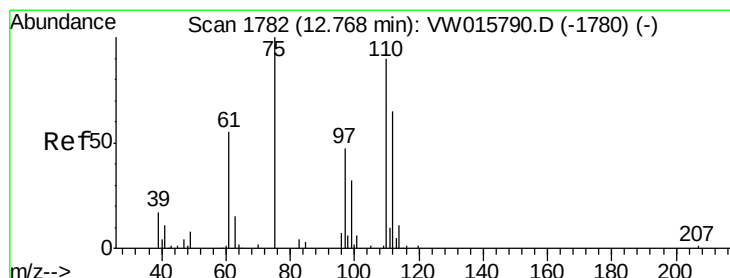
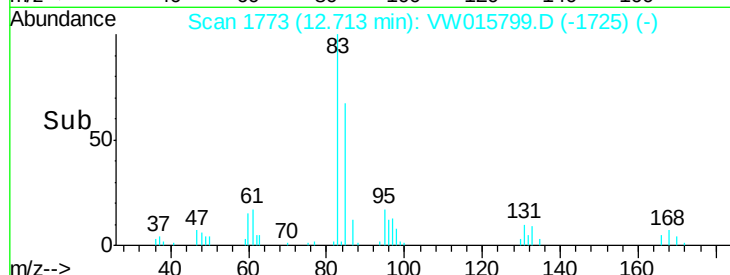
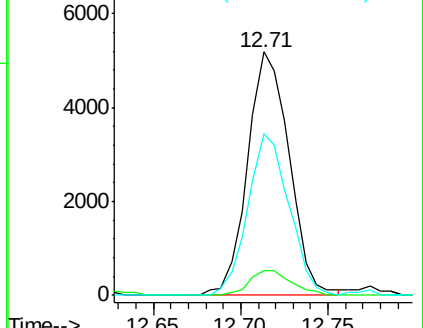
85 65.9 31.9 95.9



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: 4.910 ug/l m

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW015799.D

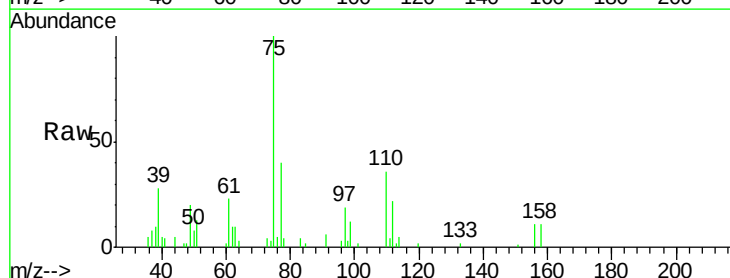
Acq: 07 Jul 2020 18:52

Tgt Ion: 75 Resp: 6046

Ion Ratio Lower Upper

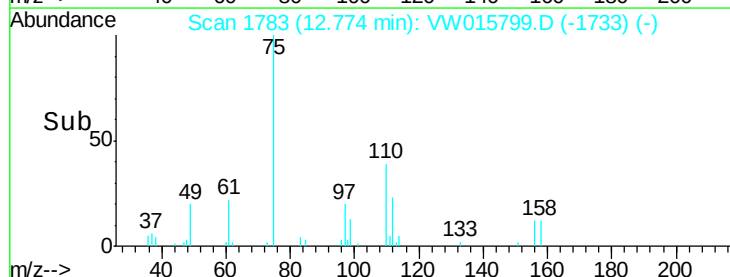
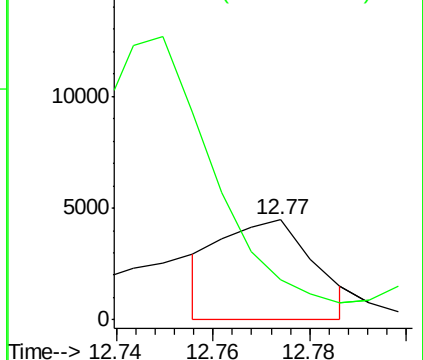
75 100

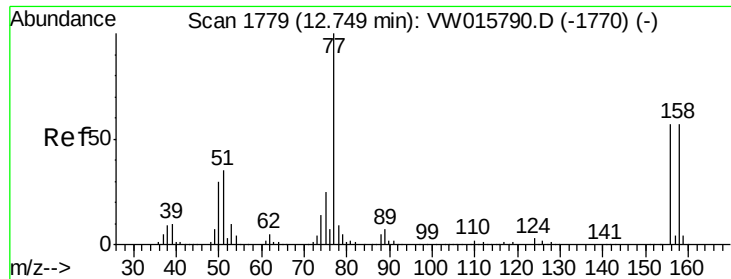
77 0.0 177.3 532.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 5.304 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

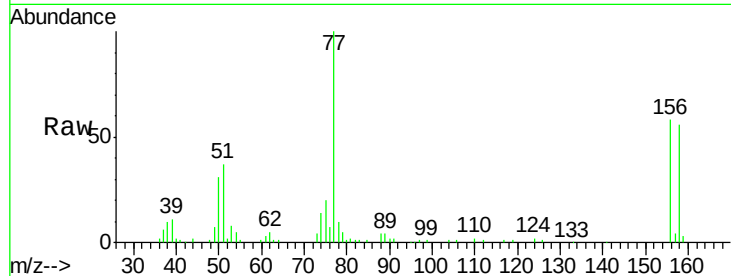
Tot Ion:156 Resp: 11740

Ion Ratio Lower Upper

156 100

77 194.8 98.8 296.4

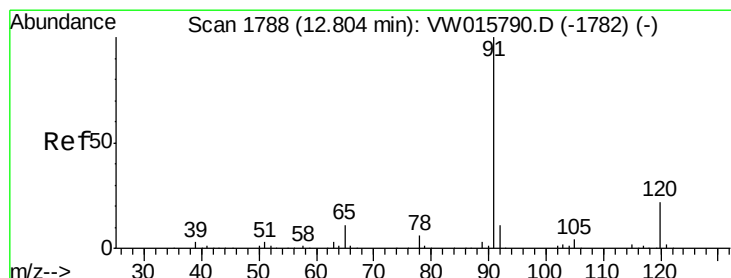
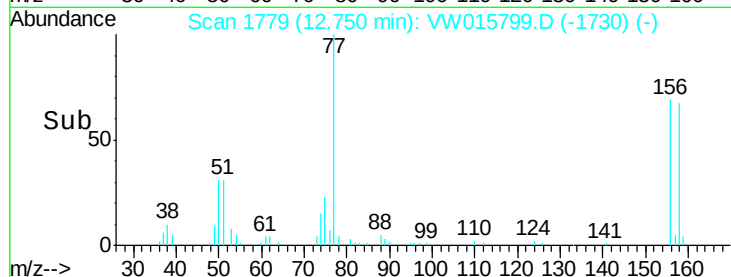
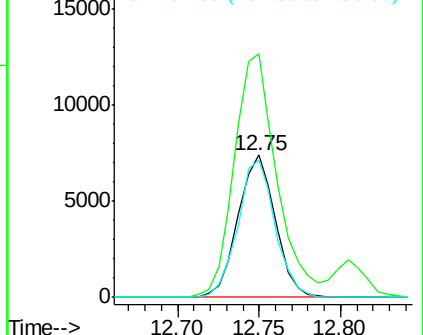
158 96.6 50.0 149.8



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: 5.065 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. 0.00 min

Lab File: VW015799.D

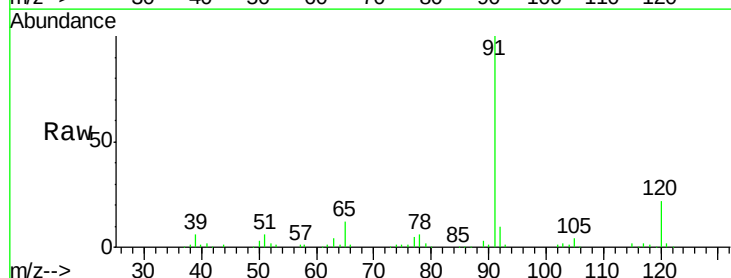
Acq: 07 Jul 2020 18:52

Tgt Ion: 91 Resp: 60678

Ion Ratio Lower Upper

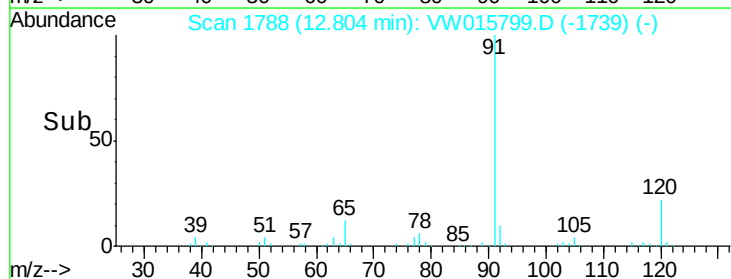
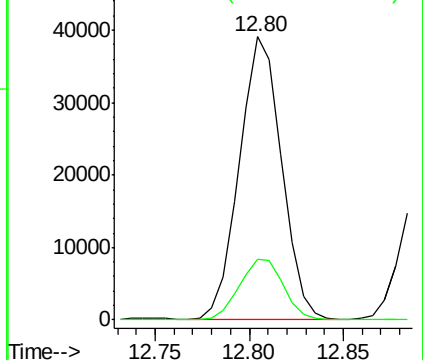
91 100

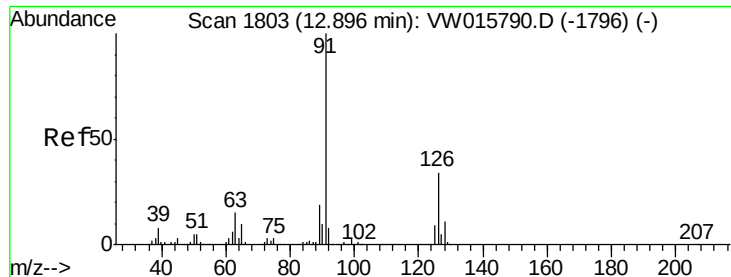
120 22.5 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 5.190 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

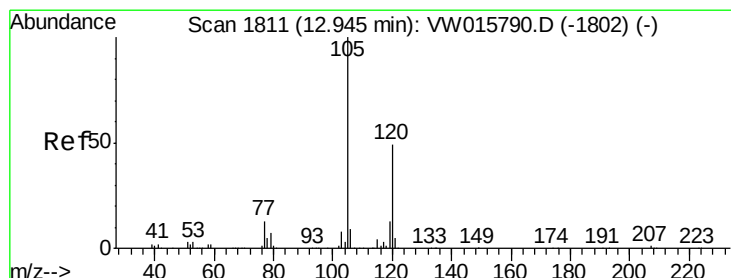
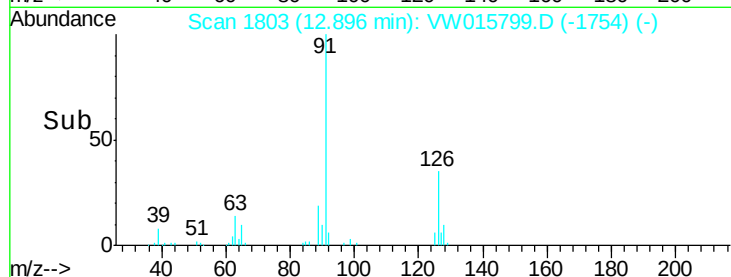
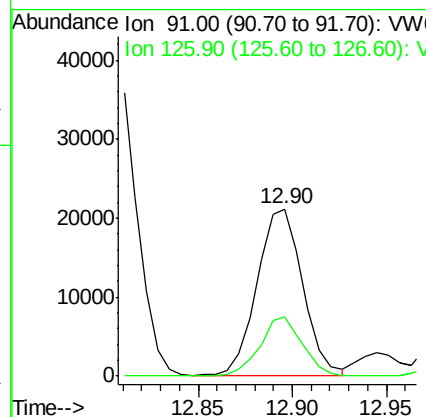
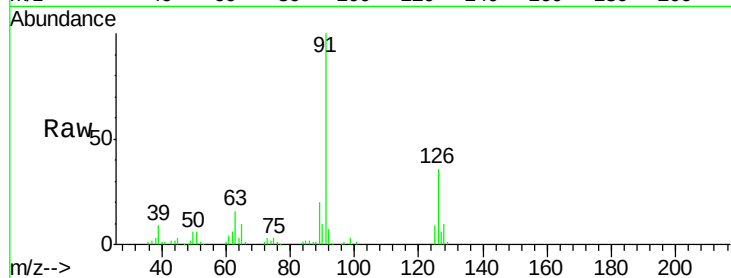
LOQ-SOIL-02-QT3-2020

Tot Ion: 91 Resp: 35463

Ion Ratio Lower Upper

91 100

126 32.8 16.5 49.5



#80

1,3,5-Trimethylbenzene

Concen: 4.997 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. 0.00 min

Lab File: VW015799.D

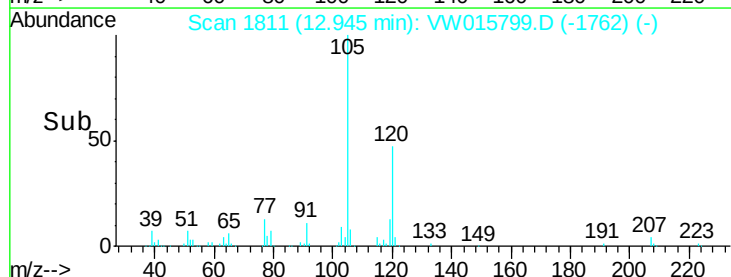
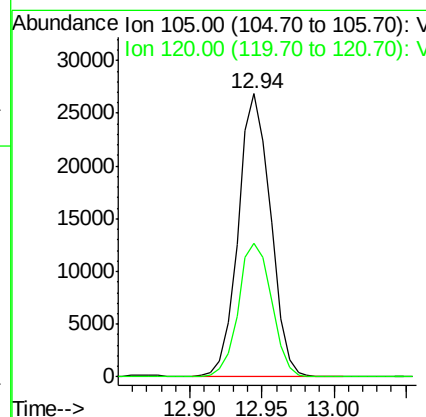
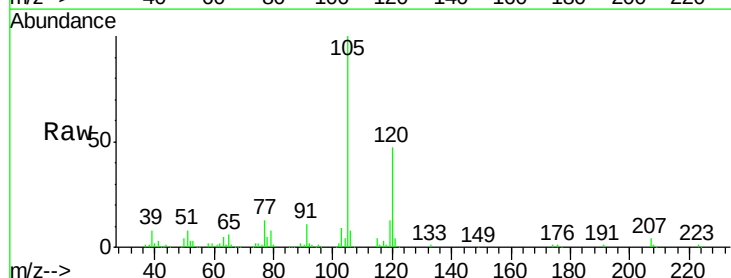
Acq: 07 Jul 2020 18:52

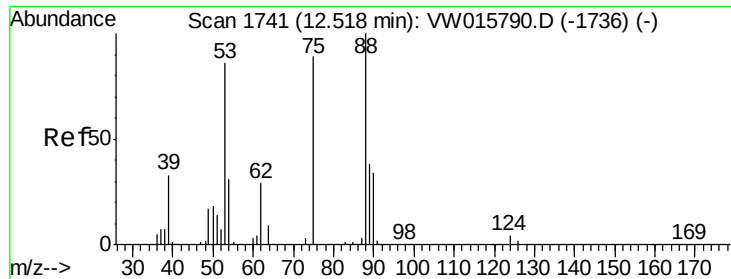
Tgt Ion:105 Resp: 42042

Ion Ratio Lower Upper

105 100

120 48.5 25.1 75.3

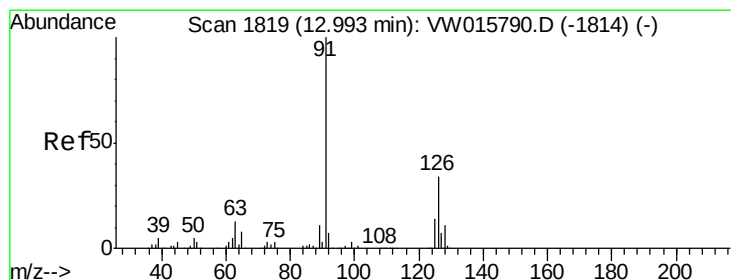
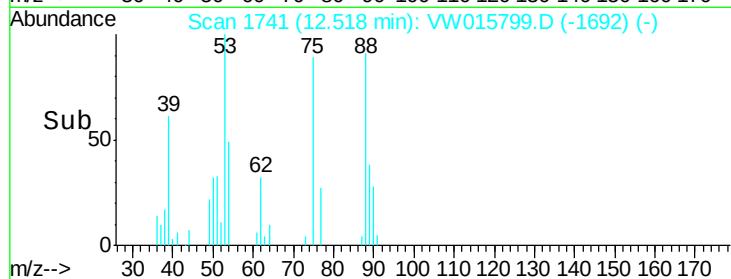
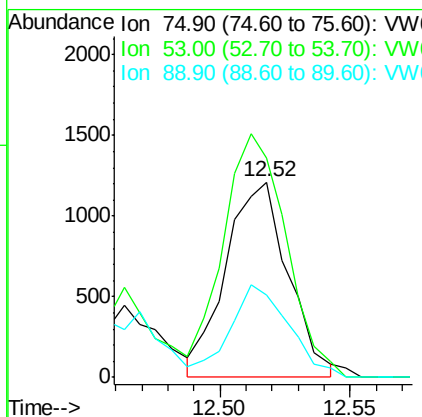
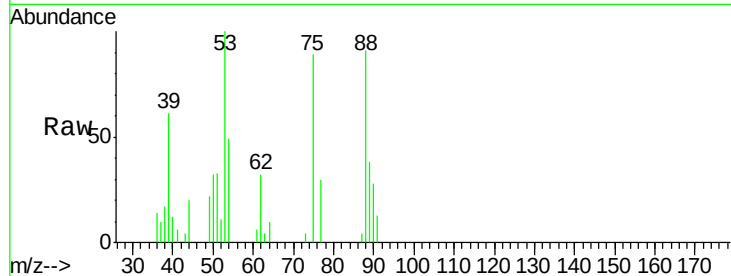




#81
trans-1,4-Dichloro-2-butene
Concen: 4.189 ug/l m
RT: 12.52 min Scan# 1741
Delta R.T. 0.00 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

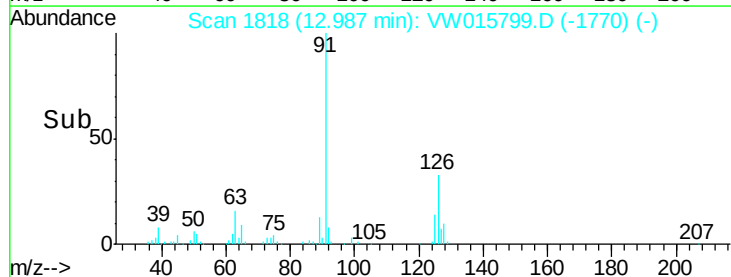
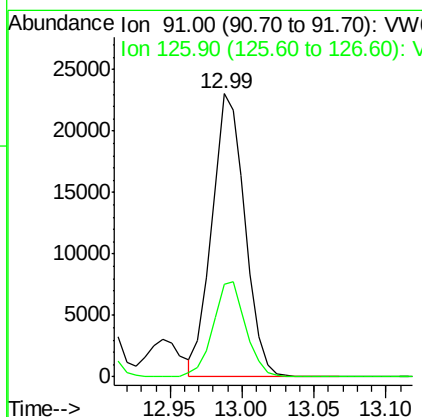
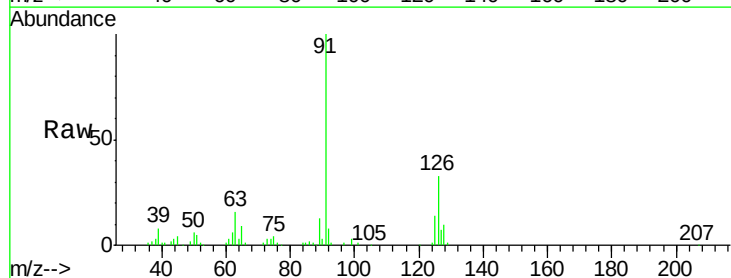
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

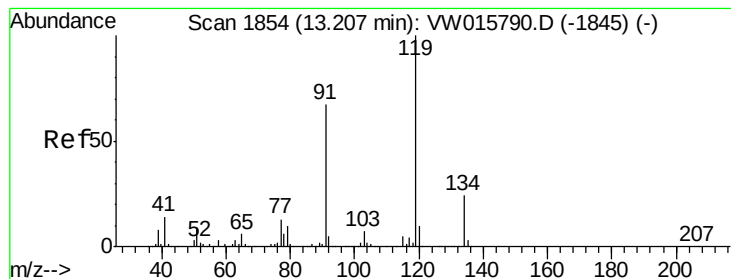
Tot Ion: 75 Resp: 2018
Ion Ratio Lower Upper
75 100
53 0.0 85.9 128.9#
89 14.1 36.2 54.4#



#82
4-Chlorotoluene
Concen: 5.178 ug/l
RT: 12.99 min Scan# 1818
Delta R.T. -0.01 min
Lab File: VW015799.D
Acq: 07 Jul 2020 18:52

Tgt Ion: 91 Resp: 36941
Ion Ratio Lower Upper
91 100
126 33.2 16.3 48.9





#83

tert-Butylbenzene

Concen: 5.014 ug/l

RT: 13.21 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

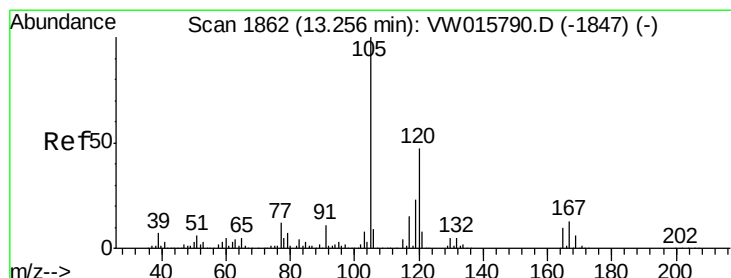
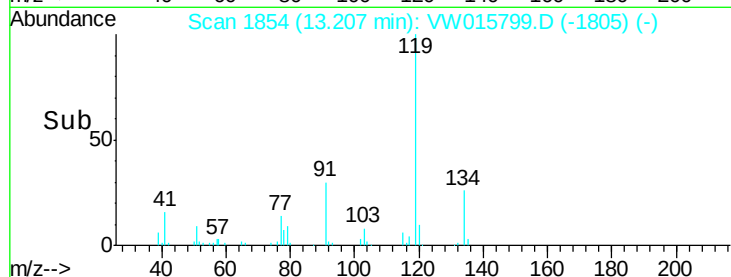
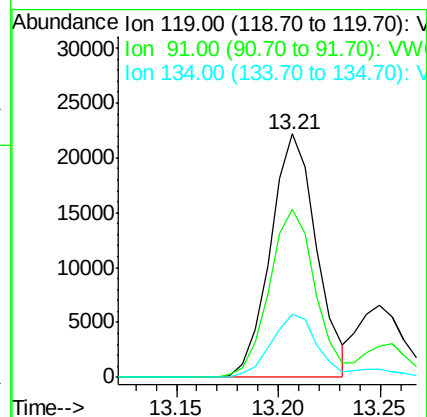
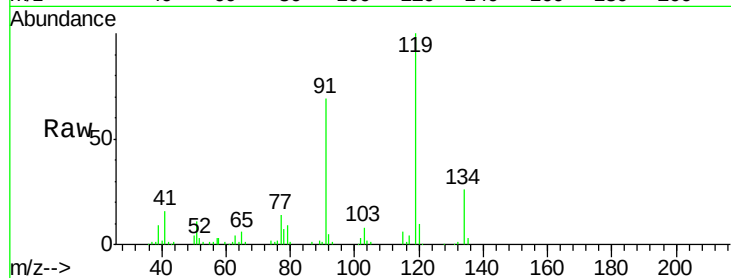
Tot Ion:119 Resp: 35022

Ion Ratio Lower Upper

119 100

91 69.8 34.4 103.3

134 26.2 13.6 40.7



#84

1,2,4-Trimethylbenzene

Concen: 5.028 ug/l

RT: 13.25 min Scan# 1861

Delta R.T. -0.01 min

Lab File: VW015799.D

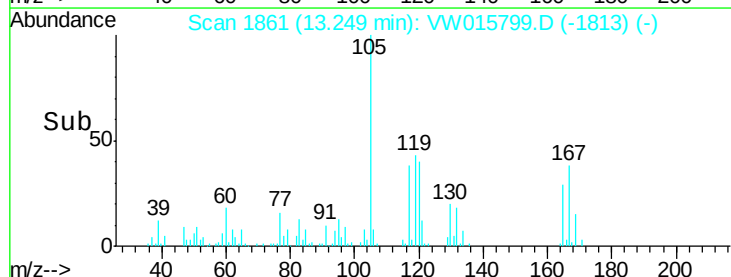
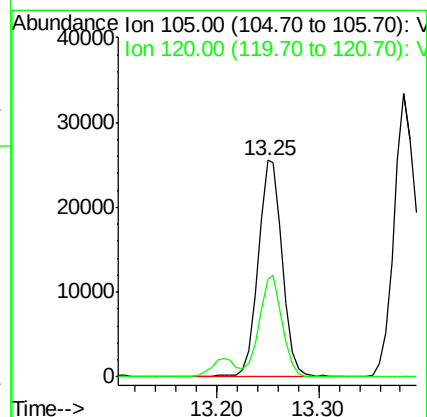
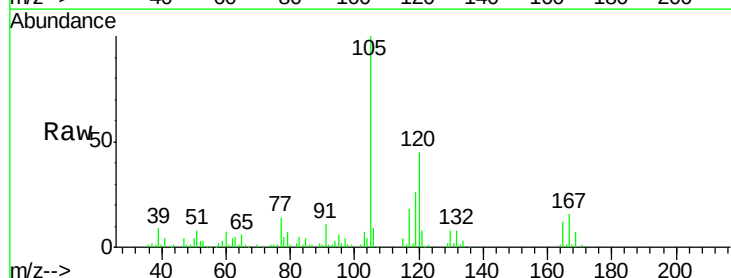
Acq: 07 Jul 2020 18:52

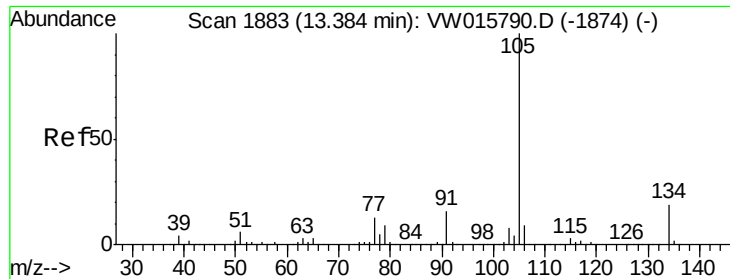
Tgt Ion:105 Resp: 42240

Ion Ratio Lower Upper

105 100

120 44.5 22.8 68.4

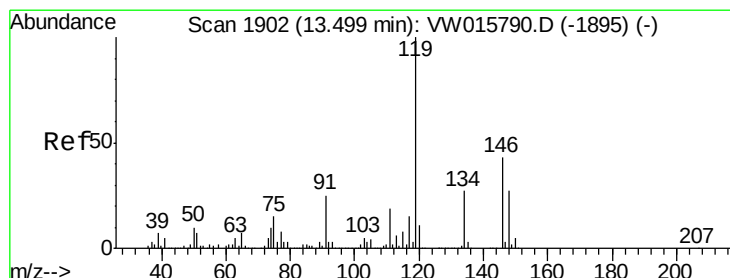
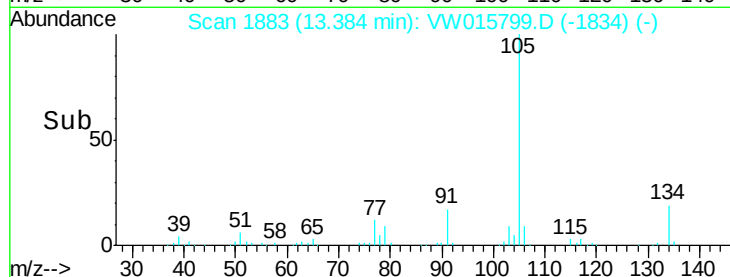
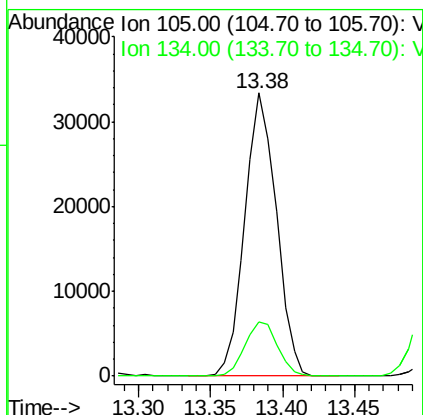
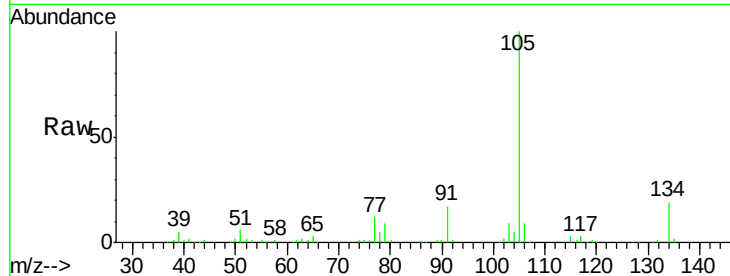




#85
 sec-Butylbenzene
 Concen: 5.036 ug/l
 RT: 13.38 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

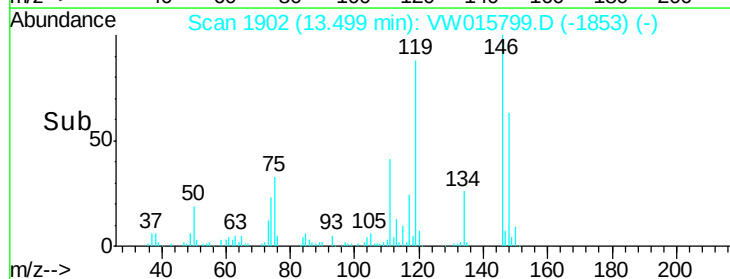
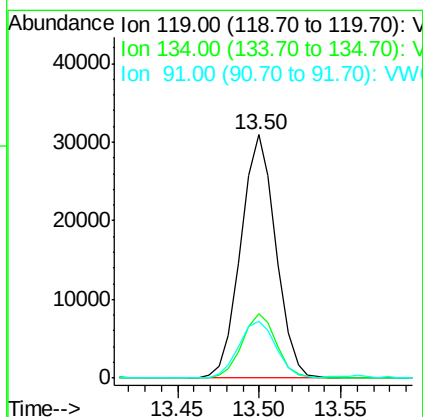
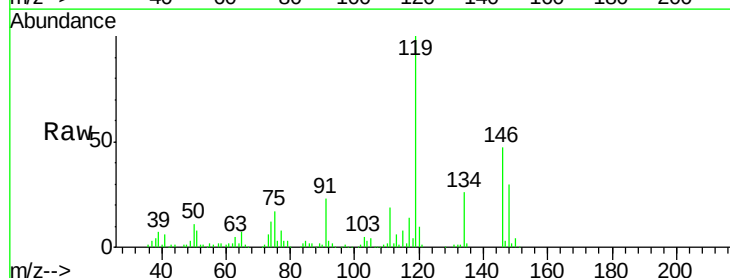
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

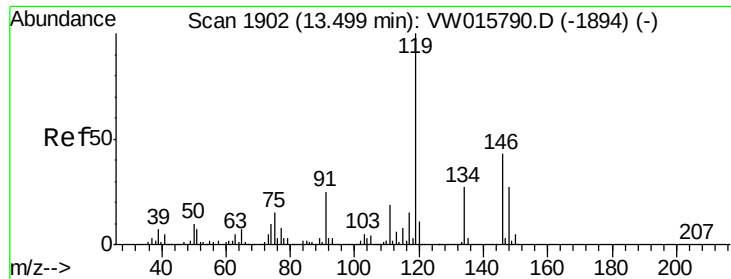
Tot Ion:105 Resp: 50800
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.0 29.8



#86
 p-Isopropyltoluene
 Concen: 5.032 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

Tgt Ion:119 Resp: 46345
 Ion Ratio Lower Upper
 119 100
 134 25.9 13.2 39.6
 91 24.8 12.2 36.6

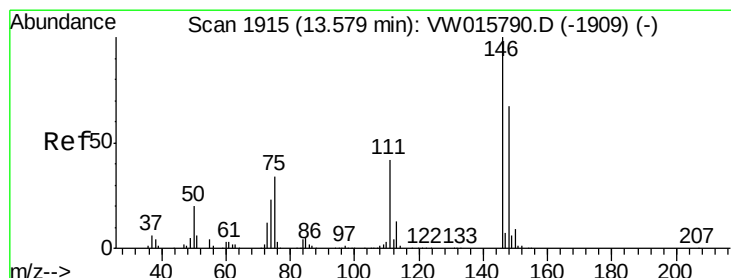
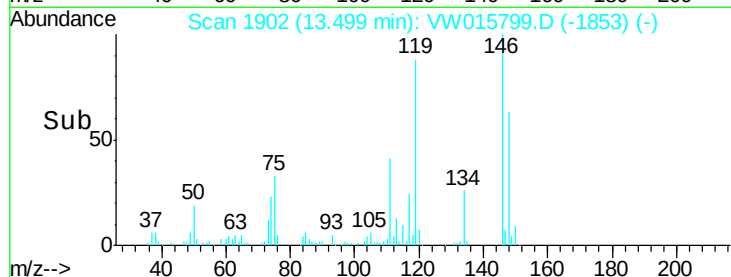
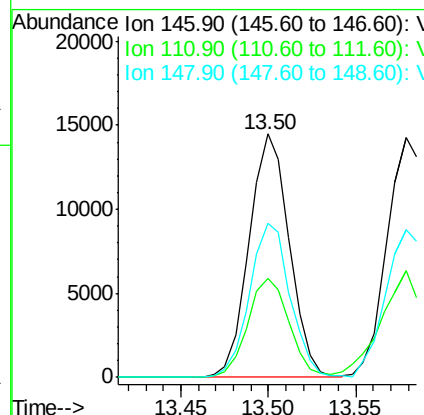
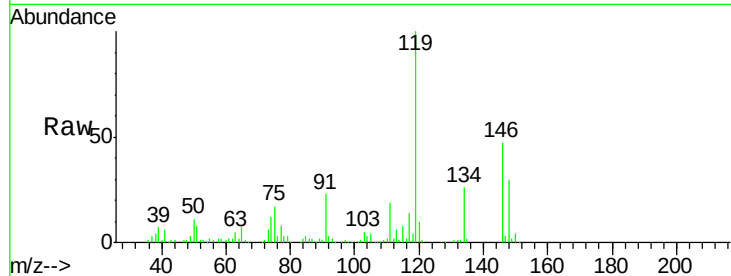




#87
 1,3-Dichlorobenzene
 Concen: 5.211 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. 0.00 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

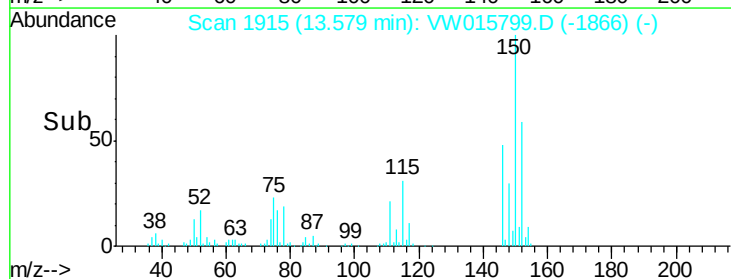
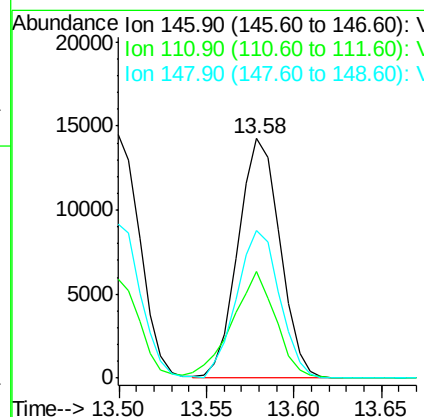
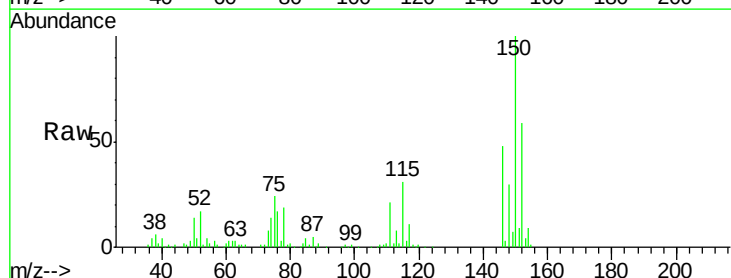
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

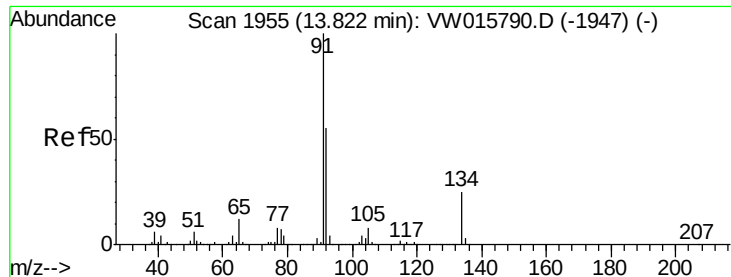
Tot Ion:146 Resp: 23118
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.8 62.4
 148 64.0 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 5.477 ug/l
 RT: 13.58 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

Tgt Ion:146 Resp: 23790
 Ion Ratio Lower Upper
 146 100
 111 46.4 20.2 60.6
 148 63.4 31.8 95.4





#89

n-Butylbenzene

Concen: 4.974 ug/l

RT: 13.82 min Scan# 1955

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

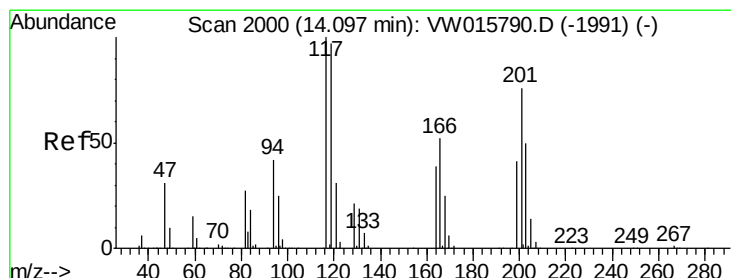
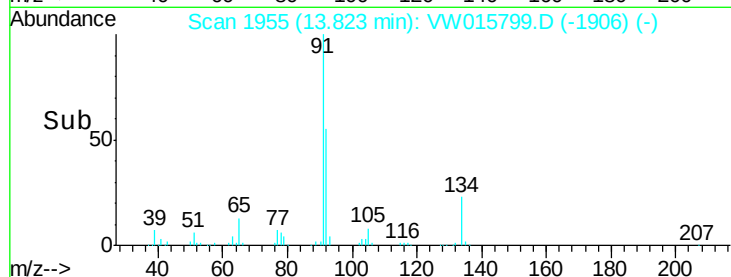
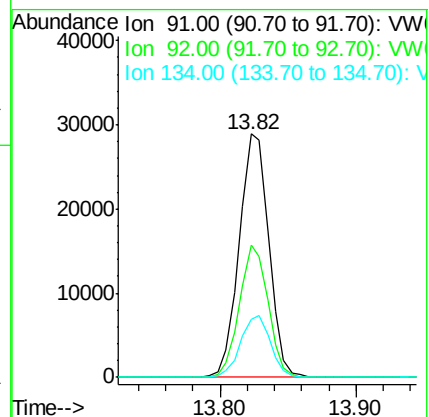
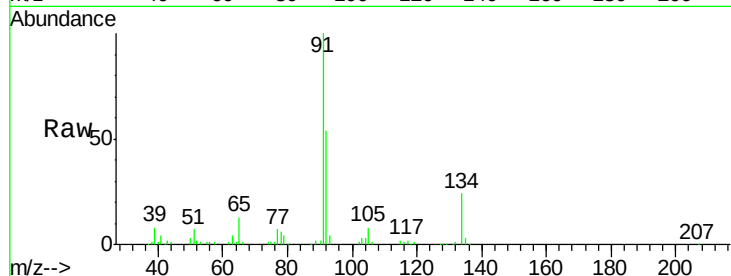
Tot Ion: 91 Resp: 43840

Ion	Ratio	Lower	Upper
91	100		
92	52.6	27.2	81.6
134	25.4	12.7	38.1

91 100

92 52.6 27.2 81.6

134 25.4 12.7 38.1



#90

Hexachloroethane

Concen: 4.823 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. 0.00 min

Lab File: VW015799.D

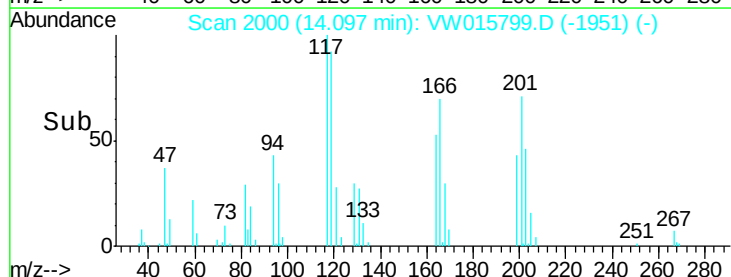
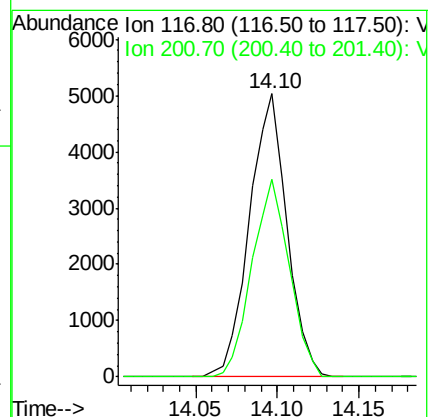
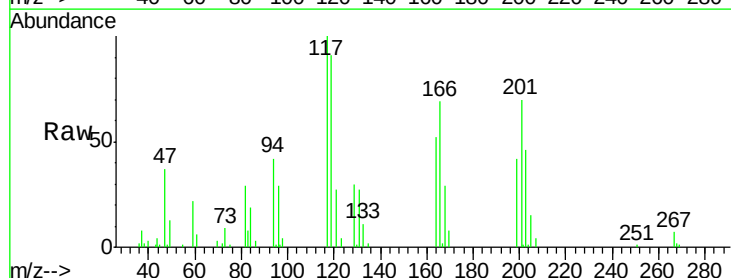
Acq: 07 Jul 2020 18:52

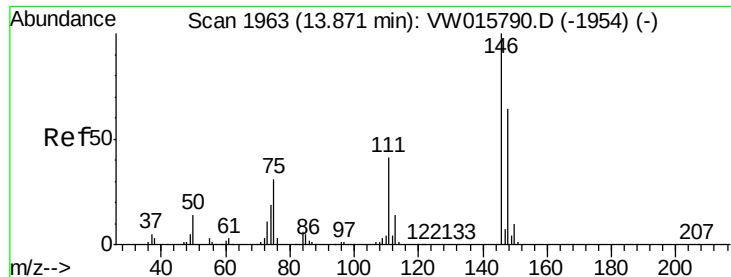
Tgt Ion: 117 Resp: 8051

Ion	Ratio	Lower	Upper
117	100		
201	69.4	37.1	111.3

117 100

201 69.4 37.1 111.3

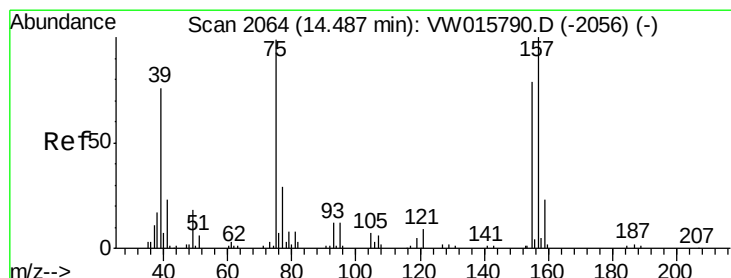
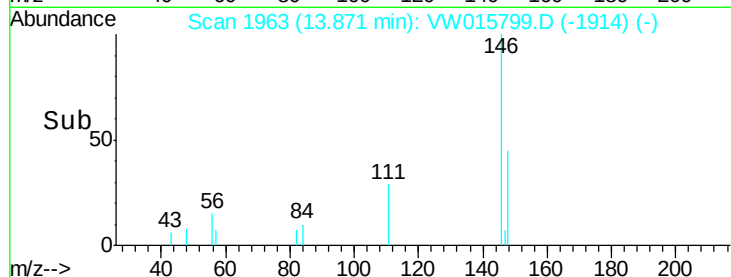
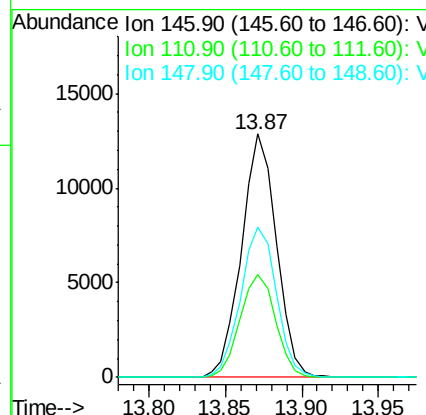
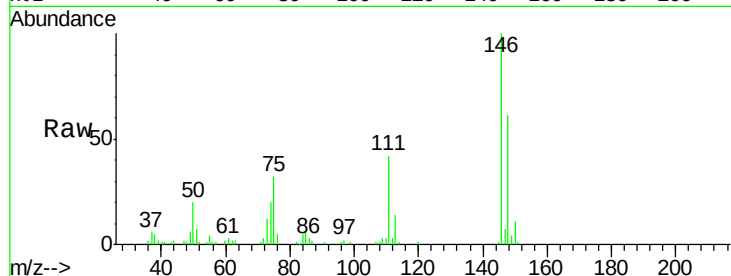




#91
 1,2-Dichlorobenzene
 Concen: 5.309 ug/l
 RT: 13.87 min Scan# 1963
 Delta R.T. 0.00 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

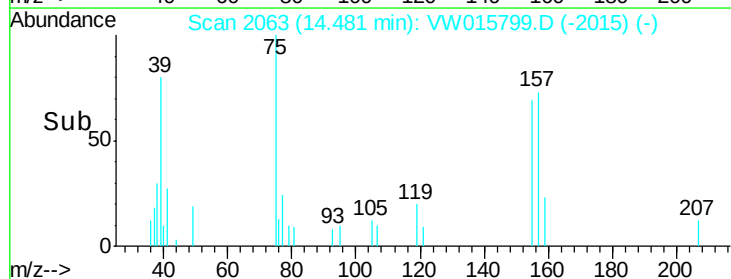
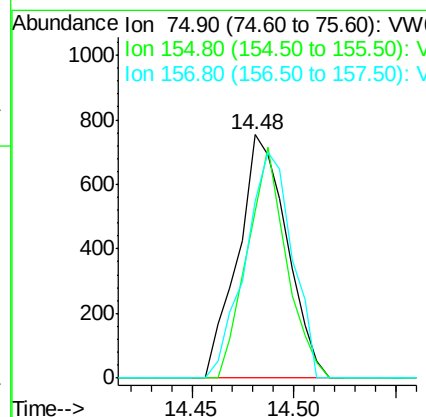
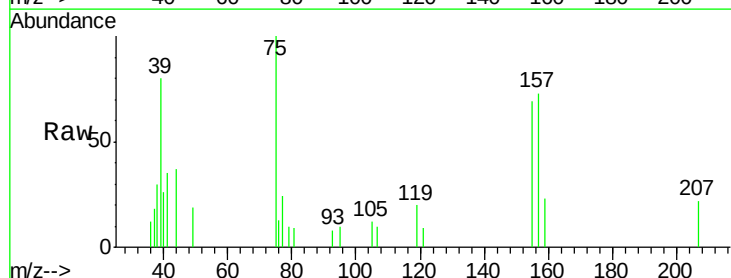
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

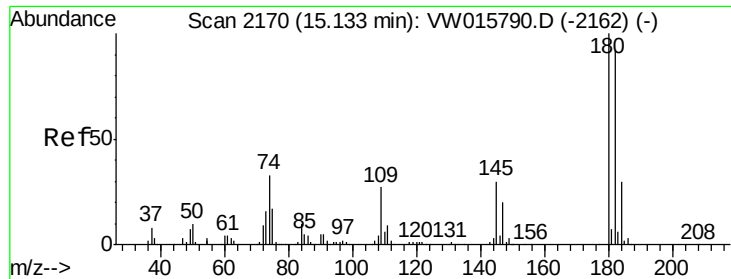
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	20.6	61.9
148	63.4	31.8	95.4



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 4.782 ug/l
 RT: 14.48 min Scan# 2063
 Delta R.T. -0.01 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	76.0	39.1	117.5
157	89.2	49.1	147.4

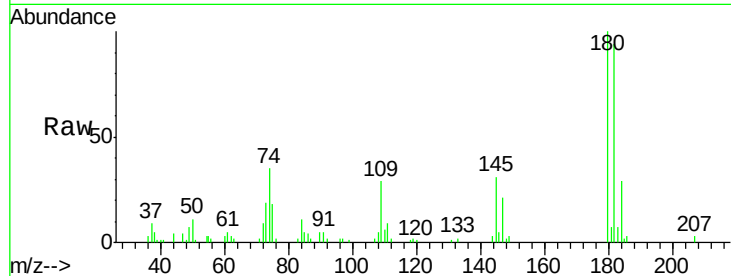




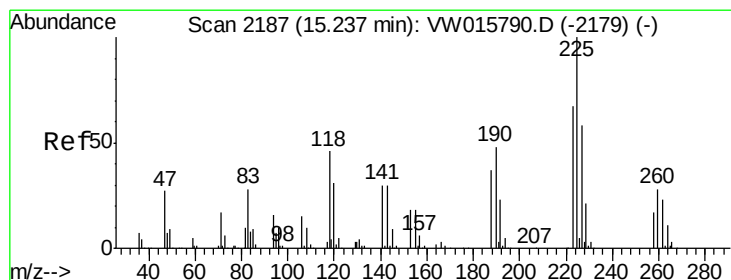
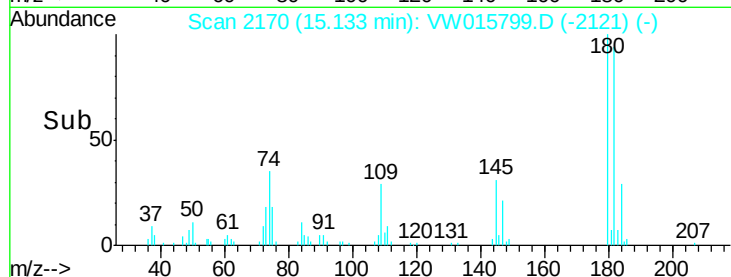
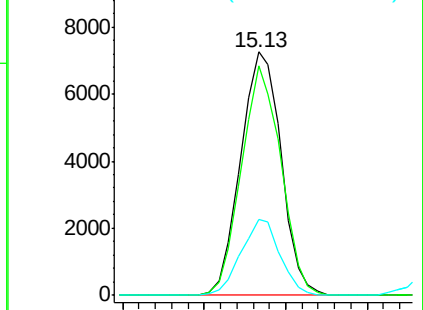
#93
 1,2,4-Trichlorobenzene
 Concen: 5.185 ug/l
 RT: 15.13 min Scan# 2170
 Delta R.T. 0.00 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion:180 Resp: 12565
 Ion Ratio Lower Upper
 180 100
 182 92.0 46.8 140.3
 145 30.0 15.4 46.4

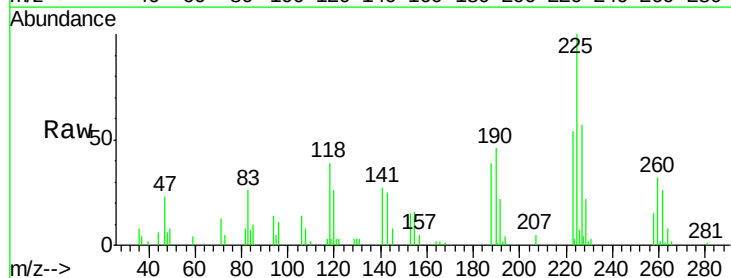


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

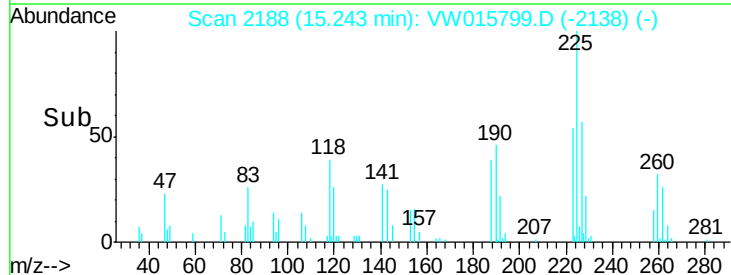
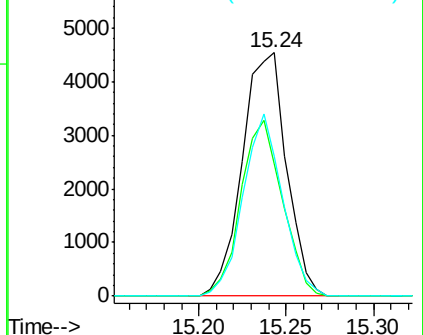


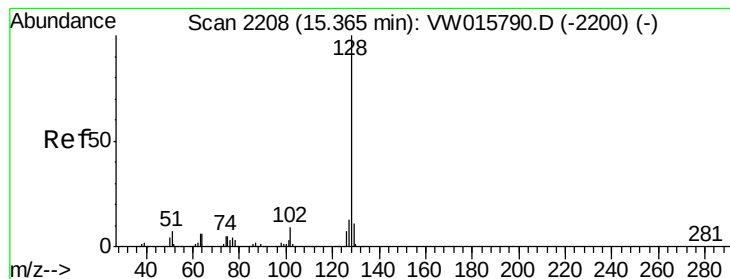
#94
 Hexachlorobutadiene
 Concen: 5.191 ug/l
 RT: 15.24 min Scan# 2188
 Delta R.T. 0.01 min
 Lab File: VW015799.D
 Acq: 07 Jul 2020 18:52

Tgt Ion:225 Resp: 7987
 Ion Ratio Lower Upper
 225 100
 223 67.8 32.4 97.2
 227 66.8 30.7 92.1



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





#95

Naphthalene

Concen: 4.502 ug/l

RT: 15.36 min Scan# 2208

Delta R.T. 0.00 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

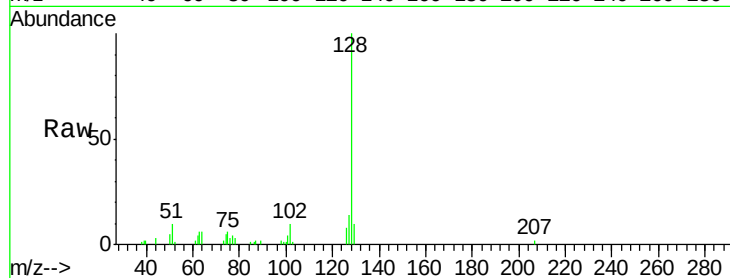
Tot Ion:128 Resp: 18235

Ion Ratio Lower Upper

128 100

127 13.8 10.6 16.0

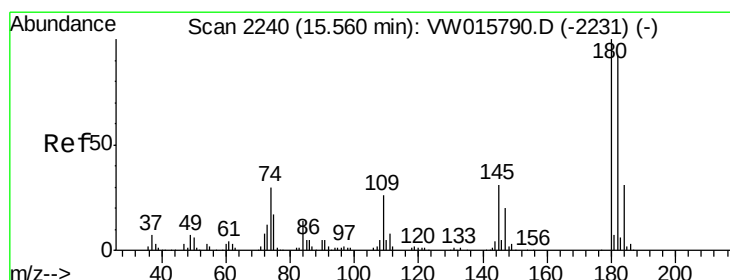
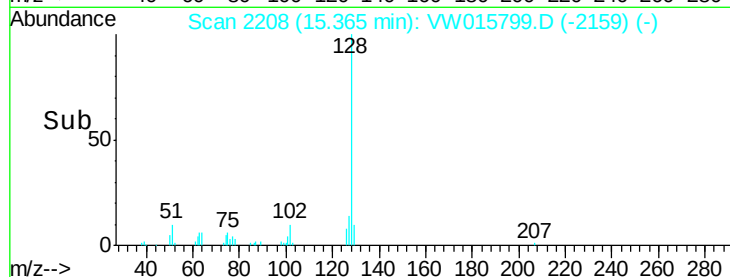
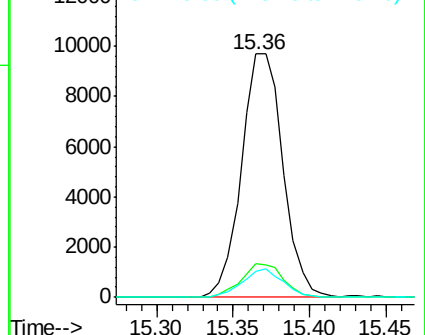
129 11.3 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 5.250 ug/l

RT: 15.55 min Scan# 2239

Delta R.T. -0.01 min

Lab File: VW015799.D

Acq: 07 Jul 2020 18:52

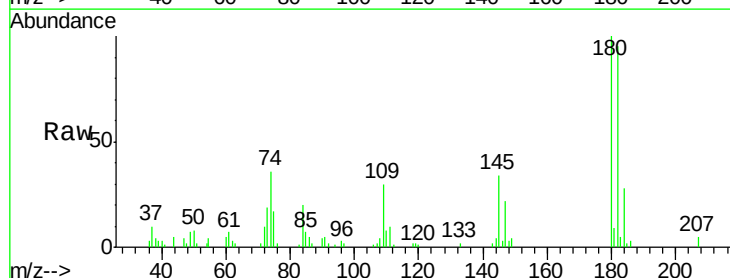
Tgt Ion:180 Resp: 10826

Ion Ratio Lower Upper

180 100

182 92.9 47.7 143.1

145 32.4 16.7 50.0



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

