

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW070820\
 Data File : VW015809.D
 Acq On : 08 Jul 2020 15:05
 Operator : SY/VA
 Sample : L3216-02 5PPBL00
 Misc : 5.00G/5ML/MSVOA W/SOIL
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Jul 09 05:54:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W070720S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 09 05:52:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	198093	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	321266	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	287670	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	137922	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	97753	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	
35) Dibromofluoromethane	7.88	113	86682	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	
50) Toluene-d8	10.33	98	334768	46.50	ug/l	0.00
Spiked Amount			Recovery	=	93.00%	
62) 4-Bromofluorobenzene	12.62	95	121538	46.01	ug/l	0.00
Spiked Amount			Recovery	=	92.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.01	85	5996	5.747	ug/l	98
3) Chloromethane	2.21	50	8215	5.798	ug/l	100
4) Vinyl Chloride	2.36	62	11988	5.480	ug/l	93
5) Bromomethane	2.78	94	8737	5.220	ug/l	100
6) Chloroethane	2.92	64	7751	5.250	ug/l	92
7) Trichlorofluoromethane	3.26	101	7894	5.021	ug/l	94
8) Diethyl Ether	3.68	74	5155	5.262	ug/l	92
9) 1,1,2-Trichlorotrifluoroet	4.07	101	9961	5.412	ug/l	100
10) Methyl Iodide	4.27	142	13182	5.123	ug/l	100
11) Tert butyl alcohol	5.19	59	3905	34.282	ug/l	97
12) 1,1-Dichloroethene	4.04	96	9526	5.265	ug/l	98
13) Acrolein	3.90	56	3434	24.267	ug/l	87
14) Allyl chloride	4.67	41	14428	4.906	ug/l	99
15) Acrylonitrile	5.37	53	10329	26.969	ug/l	99
16) Acetone	4.13	43	11602	30.397	ug/l	99
17) Carbon Disulfide	4.38	76	26231	4.873	ug/l	95
18) Methyl Acetate	4.68	43	5226	6.017	ug/l	100
19) Methyl tert-butyl Ether	5.43	73	13819	5.103	ug/l #	90
20) Methylene Chloride	4.92	84	25353	11.438	ug/l	98
21) trans-1,2-Dichloroethene	5.43	96	10434	4.978	ug/l	96
22) Diisopropyl ether	6.32	45	29387	4.959	ug/l	93
23) Vinyl Acetate	6.26	43	79021	22.417	ug/l	98
24) 1,1-Dichloroethane	6.22	63	18952	5.051	ug/l	97
25) 2-Butanone	7.18	43	14202	27.412	ug/l	98
26) 2,2-Dichloropropane	7.17	77	13279	5.641	ug/l	96
27) cis-1,2-Dichloroethene	7.17	96	11493	5.107	ug/l	93
28) Bromochloromethane	7.52	49	7491	5.036	ug/l	100
29) Tetrahydrofuran	7.54	42	8273	26.314	ug/l	98
30) Chloroform	7.68	83	19500	5.084	ug/l	97
31) Cyclohexane	7.96	56	21356	6.047	ug/l #	82
32) 1,1,1-Trichloroethane	7.88	97	16187	5.033	ug/l	97
36) 1,1-Dichloropropene	8.09	75	15721	4.964	ug/l	99
37) Ethyl Acetate	7.26	43	6748	5.484	ug/l	97
38) Carbon Tetrachloride	8.07	117	14584	4.759	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.34	83	18043	4.828	ug/l	96
40) Benzene	8.32	78	42893	4.944	ug/l	99
41) Methacrylonitrile	7.49	41	3449	4.937	ug/l	94
42) 1,2-Dichloroethane	8.40	62	13708	5.077	ug/l	99
43) Isopropyl Acetate	8.43	43	11566	4.815	ug/l	99
44) Trichloroethene	9.10	130	11360	4.951	ug/l	98
45) 1,2-Dichloropropane	9.37	63	10494	4.921	ug/l	96
46) Dibromomethane	9.46	93	5322	4.848	ug/l	97
47) Bromodichloromethane	9.65	83	13079	4.606	ug/l	95
48) Methyl methacrylate	9.44	41	4728	4.295	ug/l	97
49) 1,4-Dioxane	9.45	88	1475	108.677	ug/l #	91
51) 4-Methyl-2-Pentanone	10.21	43	27989	23.880	ug/l	99
52) Toluene	10.39	92	27676	4.958	ug/l	98
53) t-1,3-Dichloropropene	10.61	75	11643	4.274	ug/l	98
54) cis-1,3-Dichloropropene	10.08	75	14440	4.431	ug/l	96
55) 1,1,2-Trichloroethane	10.79	97	7543	4.955	ug/l	98
56) Ethyl methacrylate	10.65	69	7983	4.266	ug/l	99
57) 1,3-Dichloropropane	10.93	76	13222	4.907	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.93	63	22061	24.125	ug/l	100
59) 2-Hexanone	10.98	43	18187	23.251	ug/l	99
60) Dibromochloromethane	11.13	129	7468	4.248	ug/l	98
61) 1,2-Dibromoethane	11.24	107	6912	4.745	ug/l	94
64) Tetrachloroethene	10.87	164	9669	5.311	ug/l	91
65) Chlorobenzene	11.66	112	28586	5.081	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.73	131	9410	4.727	ug/l	98
67) Ethyl Benzene	11.73	91	50580	4.855	ug/l	97
68) m/p-Xylenes	11.84	106	36010	9.201	ug/l	97
69) o-Xylene	12.17	106	16395	4.590	ug/l	98
70) Styrene	12.18	104	27296	4.441	ug/l	98
71) Bromoform	12.35	173	3852	4.239	ug/l #	93
73) Isopropylbenzene	12.47	105	47519	4.891	ug/l	99
74) N-amyl acetate	12.27	43	9582	4.609	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.72	83	8404	5.205	ug/l	99
76) 1,2,3-Trichloropropane	12.77	75	10404	8.583	ug/l #	1
77) Bromobenzene	12.75	156	10890	4.998	ug/l	99
78) n-propylbenzene	12.80	91	57878	4.907	ug/l	99
79) 2-Chlorotoluene	12.90	91	33582	4.993	ug/l	99
80) 1,3,5-Trimethylbenzene	12.94	105	39993	4.829	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.51	75	2022	4.264	ug/l	91
82) 4-Chlorotoluene	12.99	91	35264	5.021	ug/l	99
83) tert-Butylbenzene	13.21	119	33137	4.820	ug/l	99
84) 1,2,4-Trimethylbenzene	13.26	105	39785	4.811	ug/l	99
85) sec-Butylbenzene	13.39	105	49552	4.991	ug/l	98
86) p-Isopropyltoluene	13.50	119	43442	4.791	ug/l	98
87) 1,3-Dichlorobenzene	13.50	146	21891	5.012	ug/l	99
88) 1,4-Dichlorobenzene	13.58	146	21858	5.112	ug/l	93
89) n-Butylbenzene	13.83	91	41819	4.820	ug/l	98
90) Hexachloroethane	14.10	117	7840	4.771	ug/l	95
91) 1,2-Dichlorobenzene	13.87	146	19012	5.025	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.49	75	1321	5.121	ug/l	95

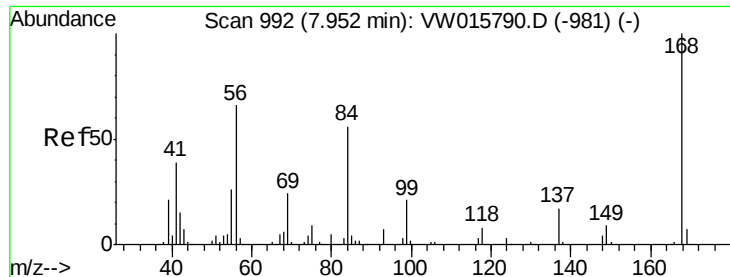
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA W\DATA\VW070820\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.14	180	11075	4.643	ug/l	98
94) Hexachlorobutadiene	15.24	225	7677	5.069	ug/l	99
95) Naphthalene	15.37	128	17496	4.388	ug/l	99
96) 1,2,3-Trichlorobenzene	15.55	180	9963	4.908	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: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

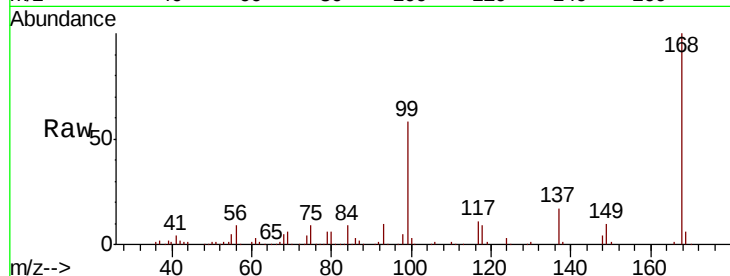
LOQ-SOIL-02-QT3-2020

Tot Ion:168 Resp: 198093

Ion Ratio Lower Upper

168 100

99 58.3 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

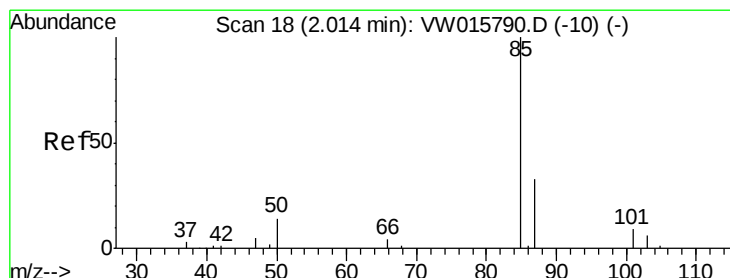
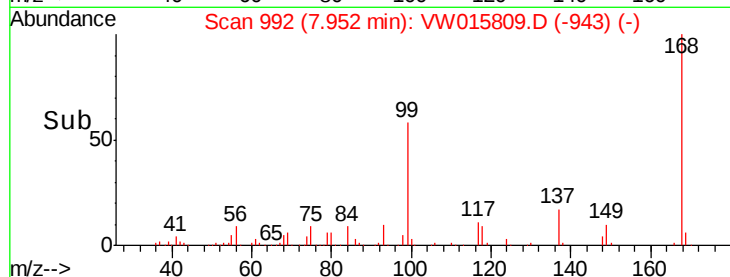
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 5.747 ug/l

RT: 2.01 min Scan# 18

Delta R.T. -0.00 min

Lab File: VW015809.D

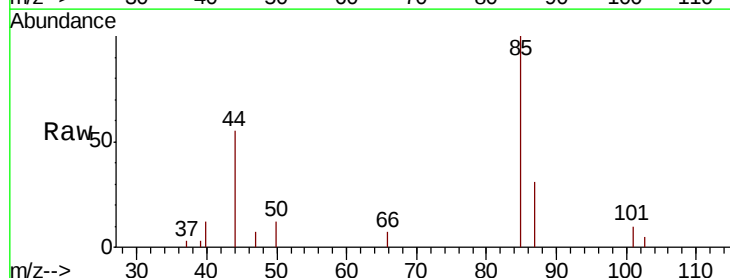
Acq: 08 Jul 2020 15:05

Tgt Ion: 85 Resp: 5996

Ion Ratio Lower Upper

85 100

87 31.2 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VW

Ion 86.90 (86.60 to 87.60): VW

2.01

2000

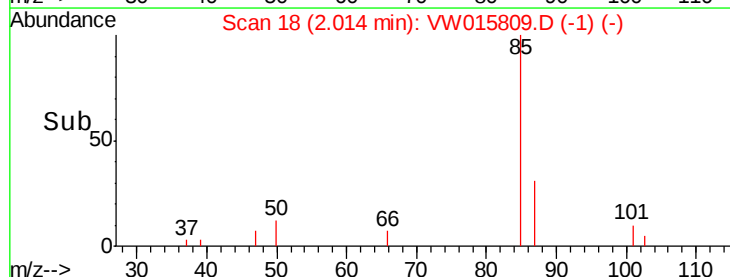
1500

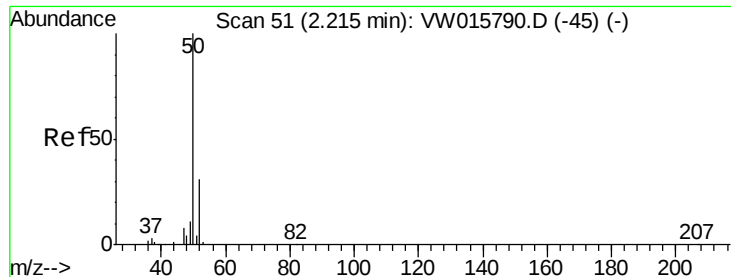
1000

500

0

Time-->





#3

Chloromethane

Concen: 5.798 ug/l

RT: 2.21 min Scan# 51

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

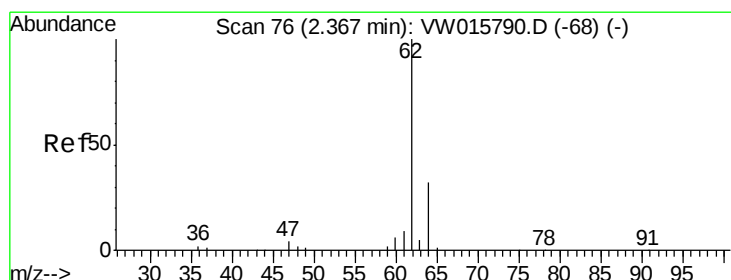
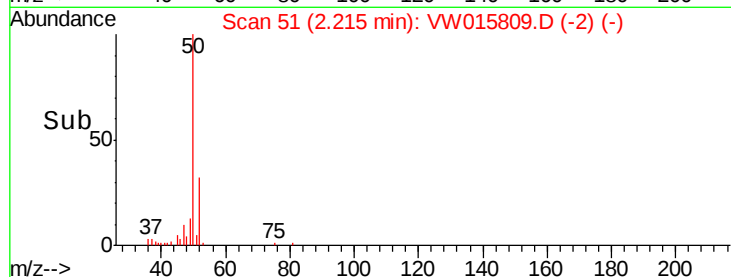
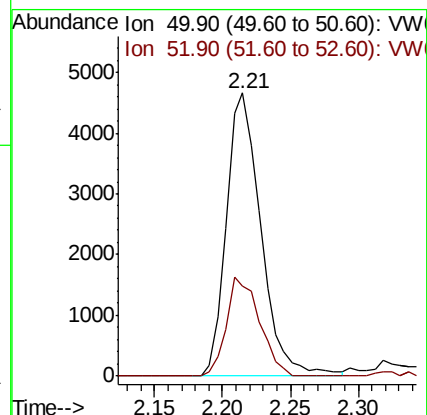
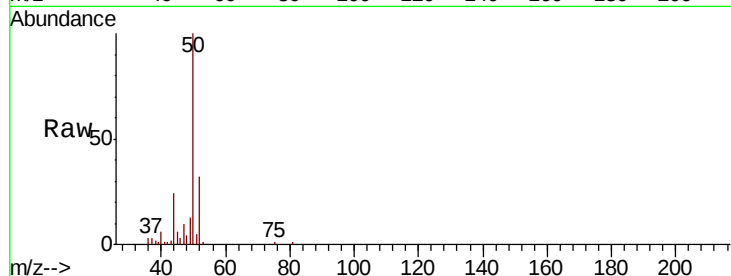
LOQ-SOIL-02-QT3-2020

Tot Ion: 50 Resp: 8215

Ion Ratio Lower Upper

50 100

52 31.6 25.2 37.8



#4

Vinyl Chloride

Concen: 5.480 ug/l

RT: 2.36 min Scan# 75

Delta R.T. -0.01 min

Lab File: VW015809.D

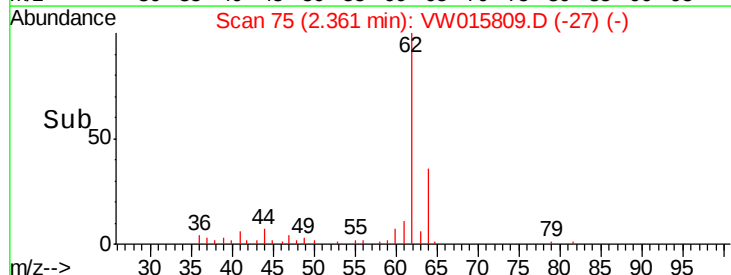
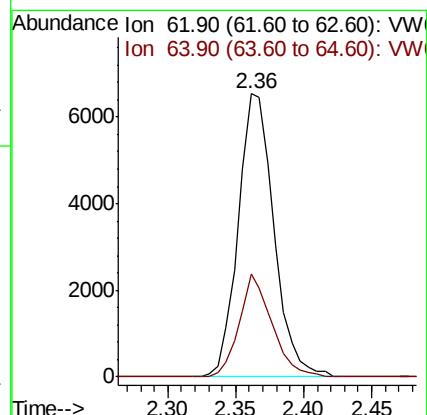
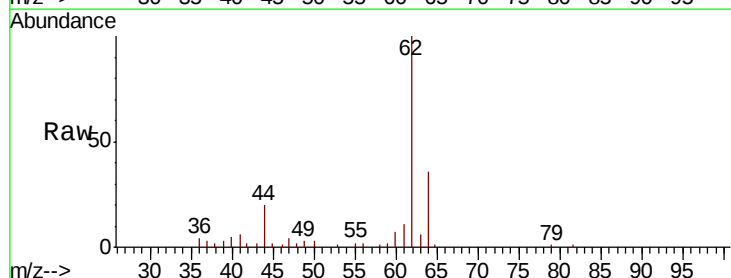
Acq: 08 Jul 2020 15:05

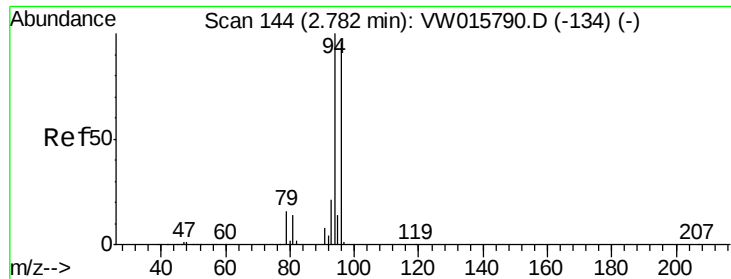
Tgt Ion: 62 Resp: 11988

Ion Ratio Lower Upper

62 100

64 36.3 25.8 38.8

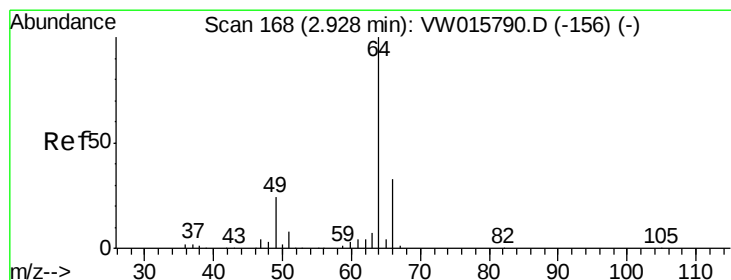
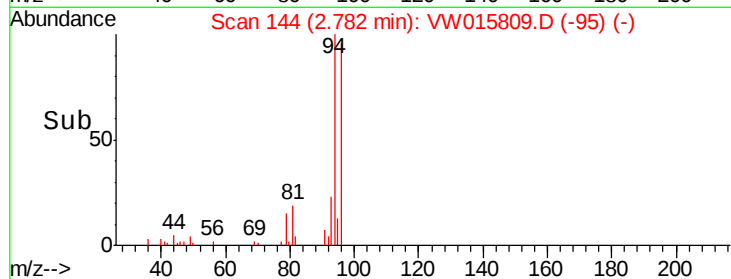
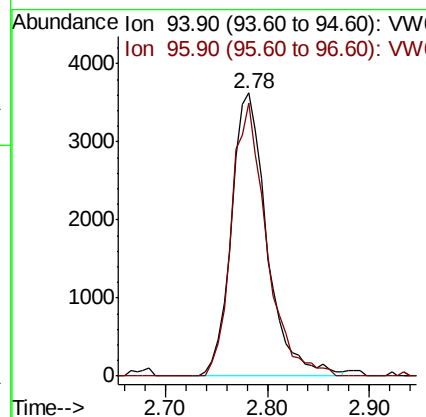
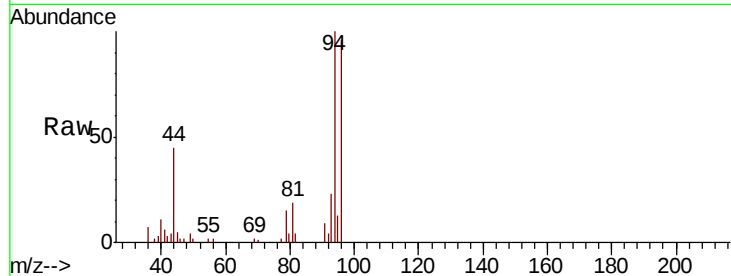




#5
Bromomethane
Concen: 5.220 ug/l
RT: 2.78 min Scan# 144
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

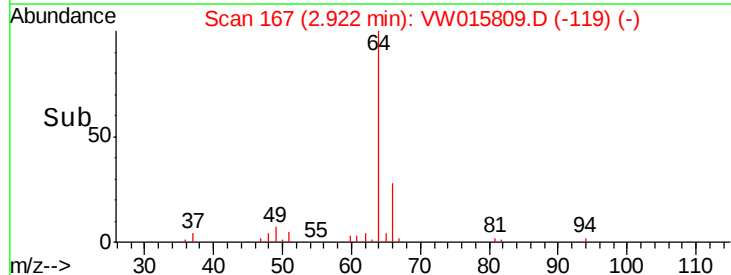
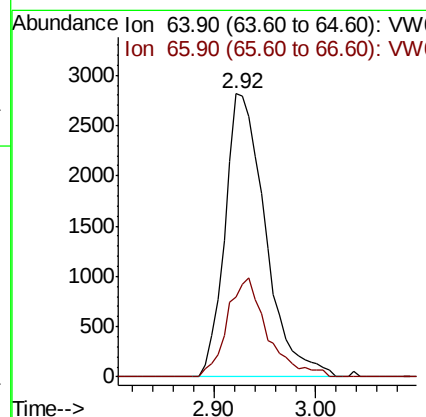
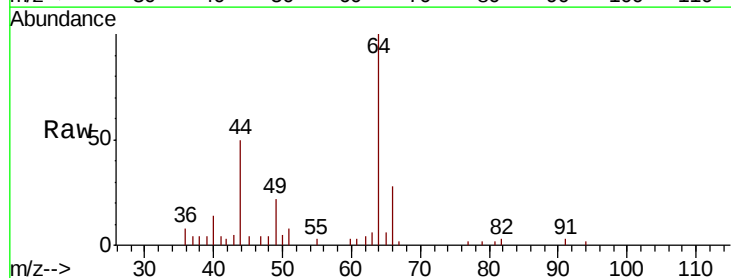
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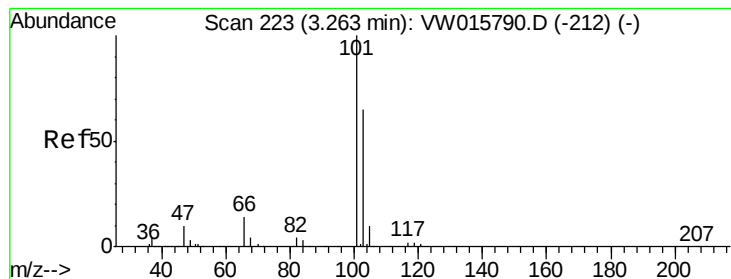
Tot Ion: 94 Resp: 8737
Ion Ratio Lower Upper
94 100
96 96.3 76.7 115.1



#6
Chloroethane
Concen: 5.250 ug/l
RT: 2.92 min Scan# 167
Delta R.T. -0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion: 64 Resp: 7751
Ion Ratio Lower Upper
64 100
66 28.1 26.0 39.0



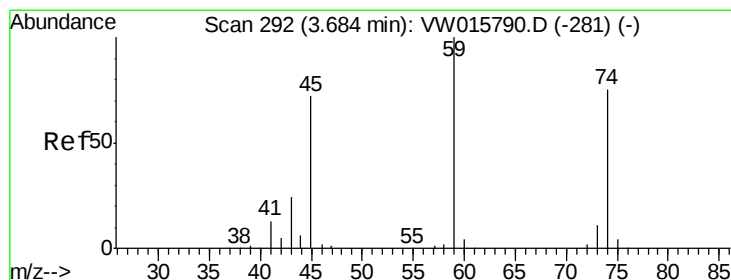
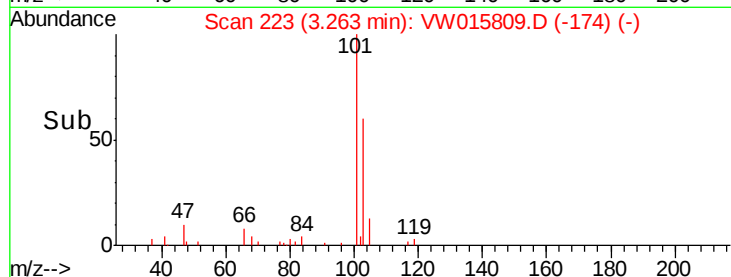
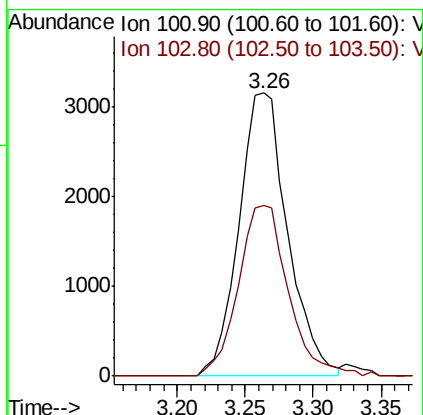
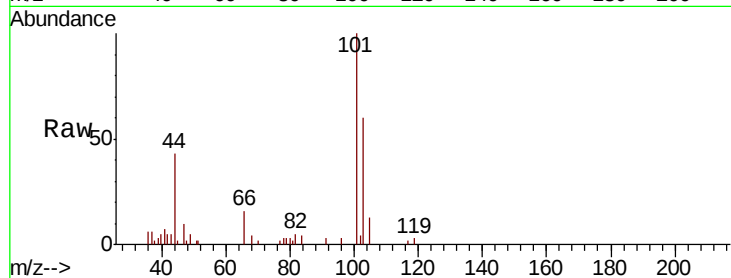


#7

Trichlorofluoromethane
 Concen: 5.021 ug/l
 RT: 3.26 min Scan# 223
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

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

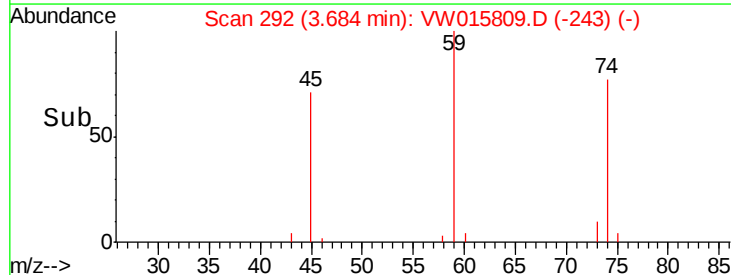
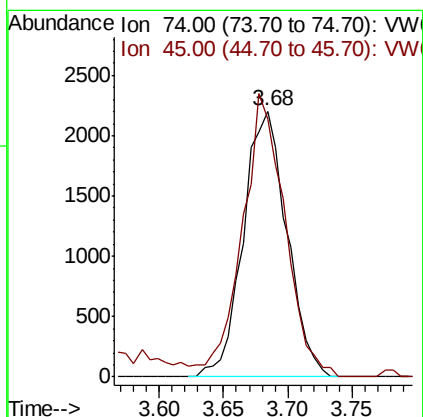
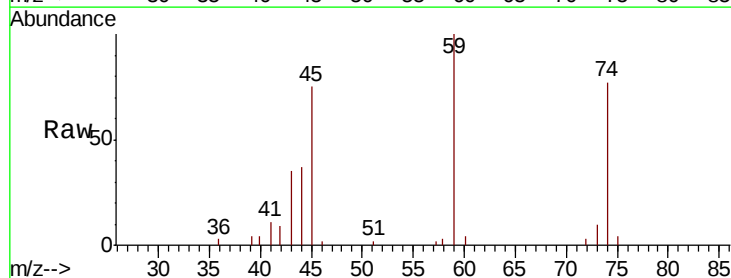
Tot Ion:101 Resp: 7894
 Ion Ratio Lower Upper
 101 100
 103 60.3 52.2 78.4

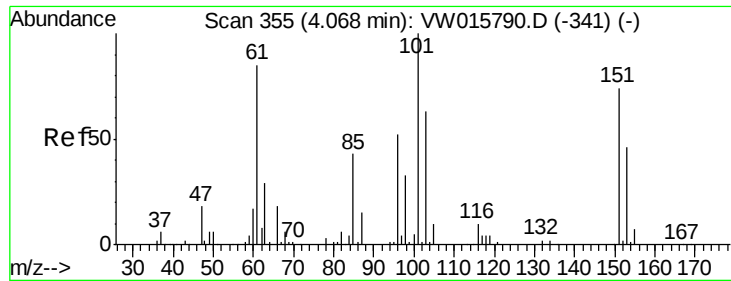


#8

Diethyl Ether
 Concen: 5.262 ug/l
 RT: 3.68 min Scan# 292
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion: 74 Resp: 5155
 Ion Ratio Lower Upper
 74 100
 45 105.0 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 5.412 ug/l

RT: 4.07 min Scan# 355

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

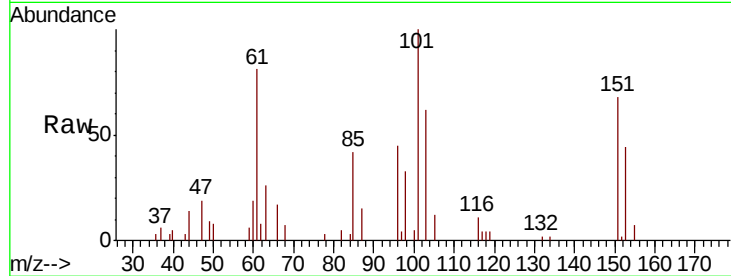
Tot Ion:101 Resp: 9961

Ion Ratio Lower Upper

101 100

85 44.5 36.1 54.1

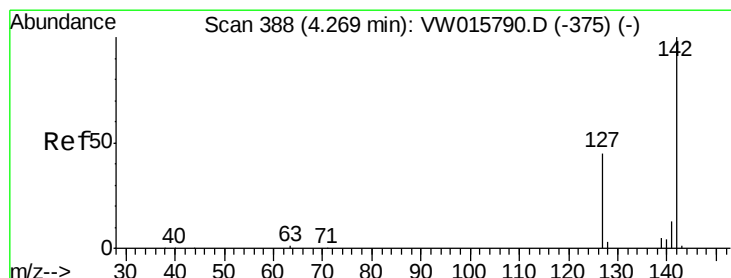
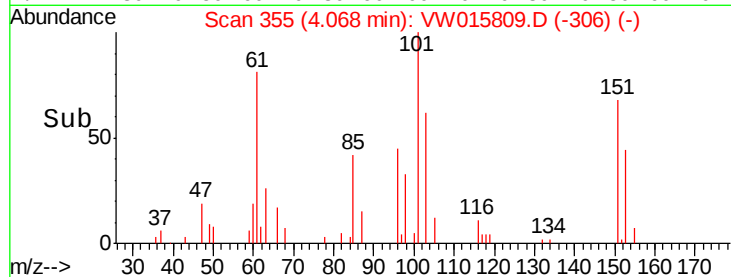
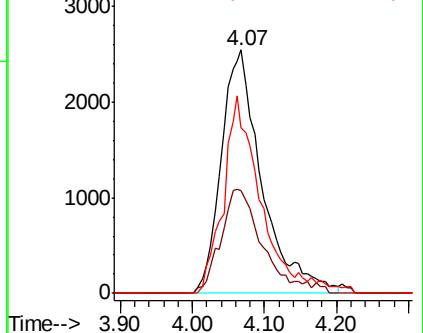
151 75.5 60.3 90.5



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: 5.123 ug/l

RT: 4.27 min Scan# 388

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

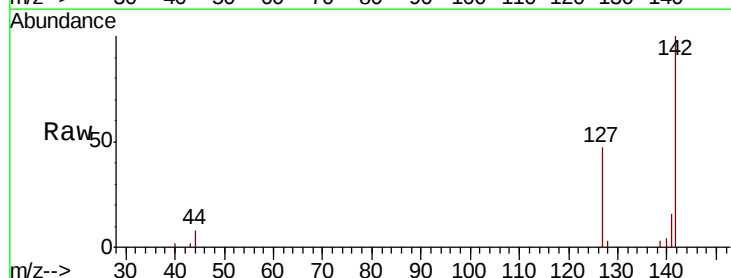
Tgt Ion:142 Resp: 13182

Ion Ratio Lower Upper

142 100

127 45.0 36.1 54.1

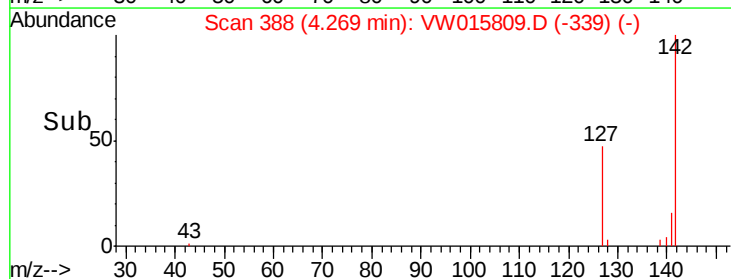
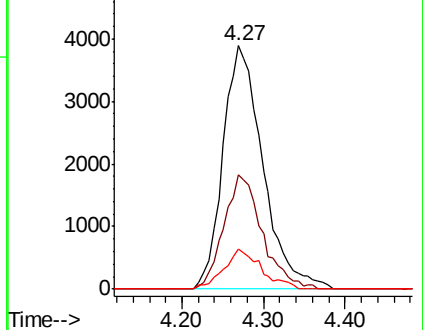
141 15.2 11.7 17.5

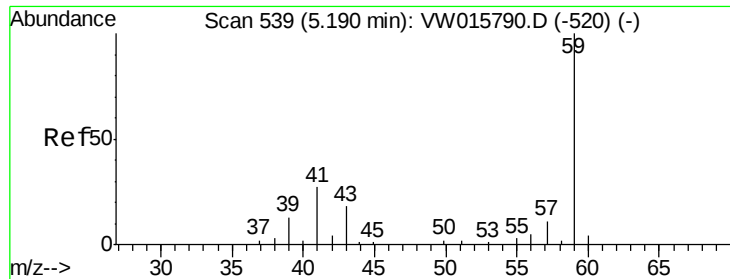


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

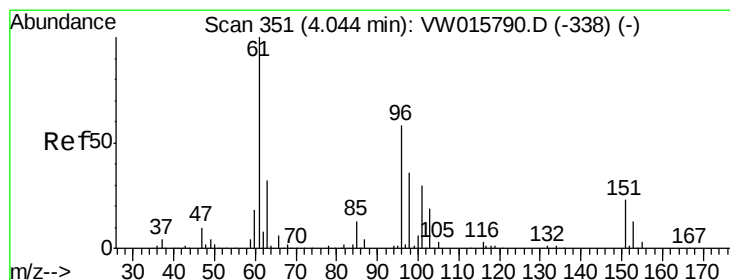
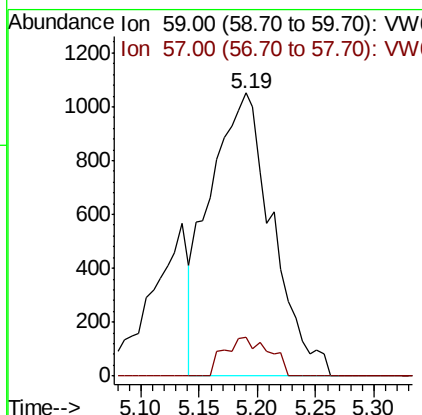
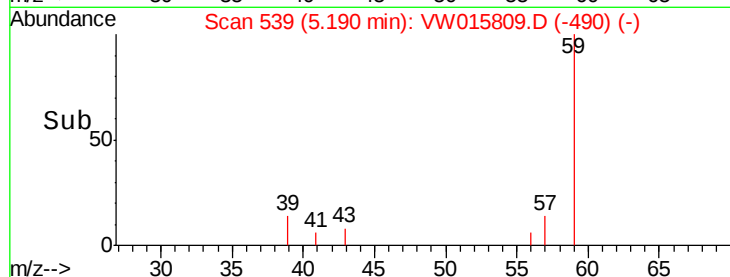
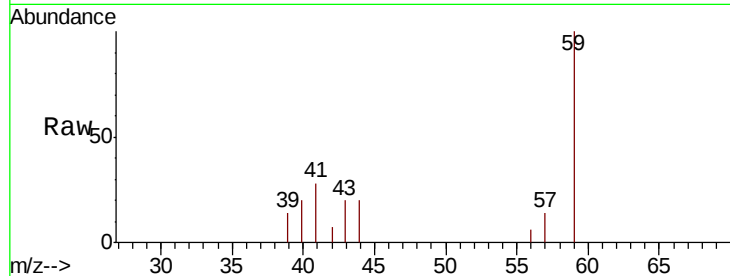




#11
Tert butyl alcohol
Concen: 34.282 ug/l
RT: 5.19 min Scan# 539
Delta R.T. 0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

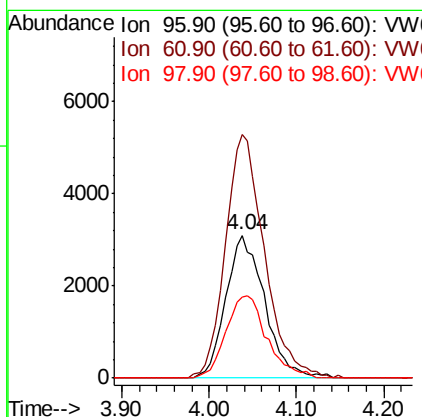
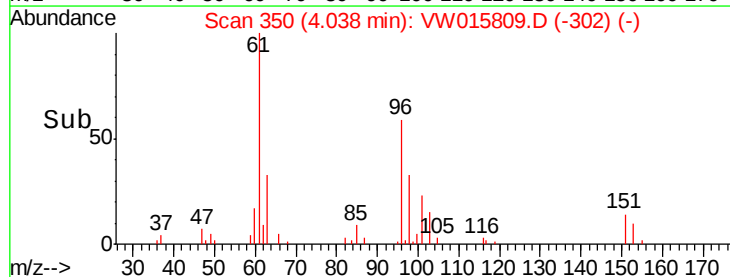
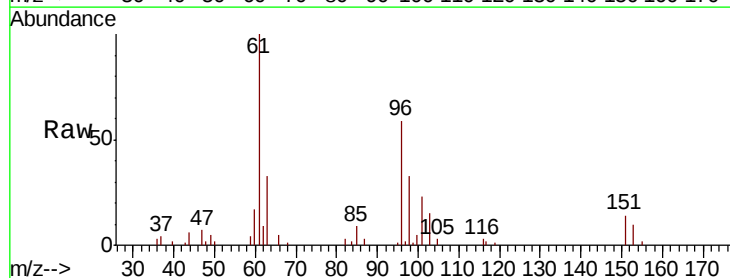
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

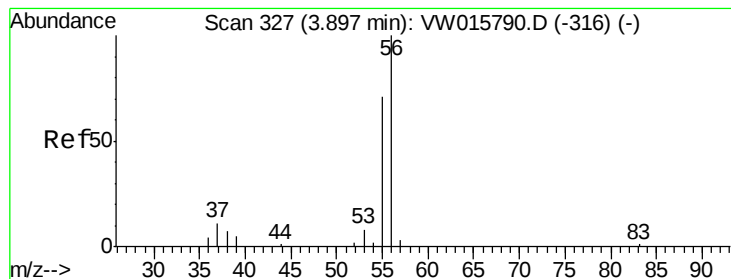
Tot Ion: 59 Resp: 3905
Ion Ratio Lower Upper
59 100
57 9.9 8.7 13.1



#12
1,1-Dichloroethene
Concen: 5.265 ug/l
RT: 4.04 min Scan# 350
Delta R.T. -0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion: 96 Resp: 9526
Ion Ratio Lower Upper
96 100
61 170.7 137.0 205.4
98 56.6 49.3 73.9





#13

Acrolein

Concen: 24.267 ug/l

RT: 3.90 min Scan# 327

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

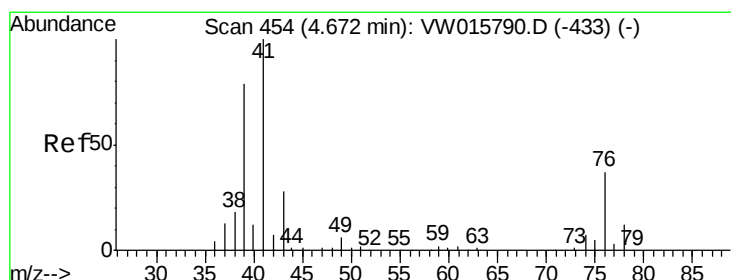
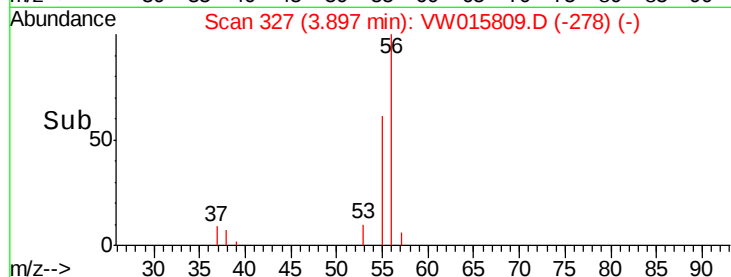
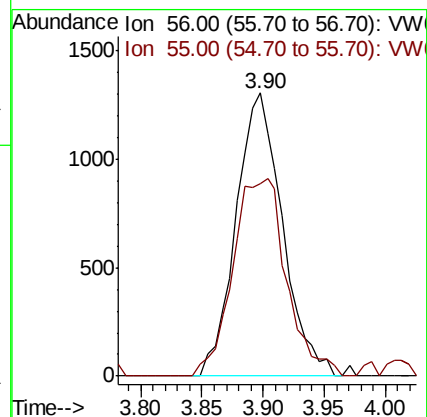
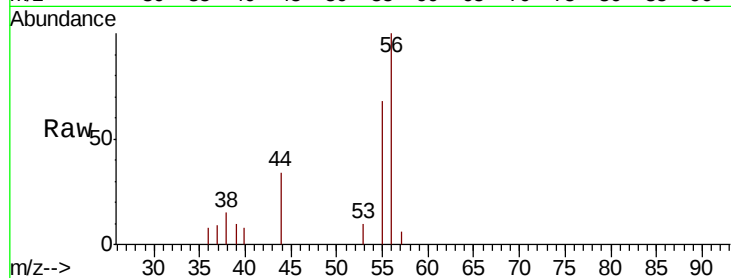
LOQ-SOIL-02-QT3-2020

Tot Ion: 56 Resp: 3434

Ion Ratio Lower Upper

56 100

55 80.7 55.8 83.6



#14

Allyl chloride

Concen: 4.906 ug/l

RT: 4.67 min Scan# 454

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

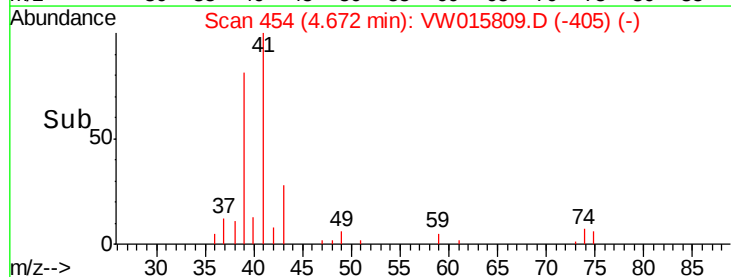
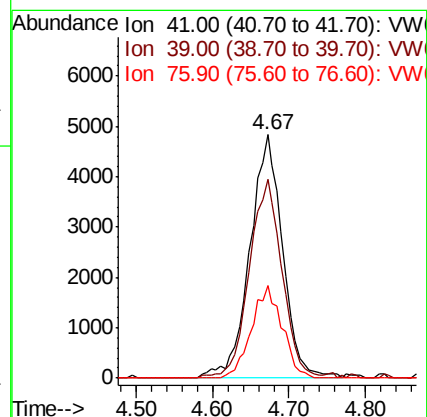
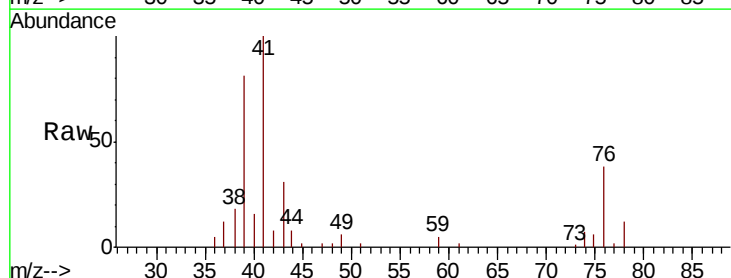
Tgt Ion: 41 Resp: 14428

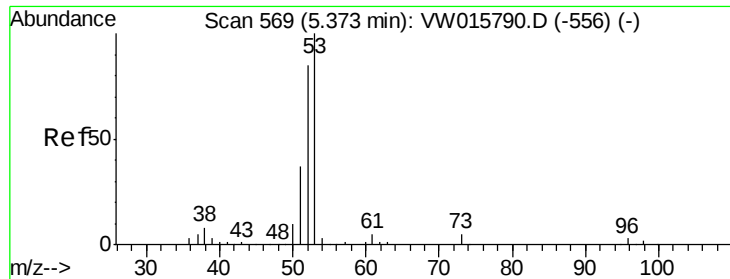
Ion Ratio Lower Upper

41 100

39 81.3 64.0 96.0

76 35.5 28.9 43.3





#15

Acrylonitrile

Concen: 26.969 ug/l

RT: 5.37 min Scan# 569

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

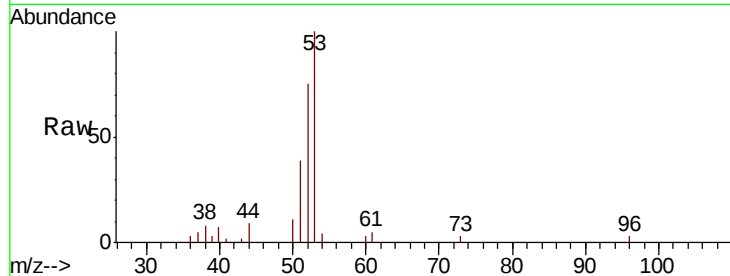
Tot Ion: 53 Resp: 10329

Ion Ratio Lower Upper

53 100

52 82.7 65.8 98.8

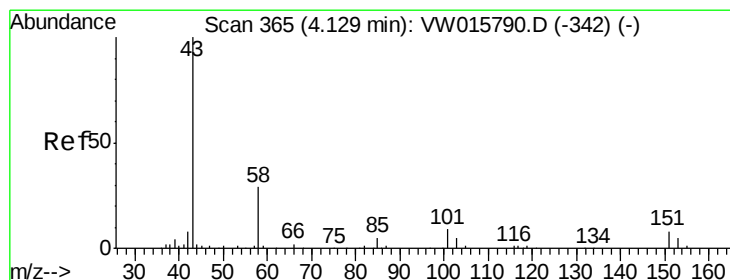
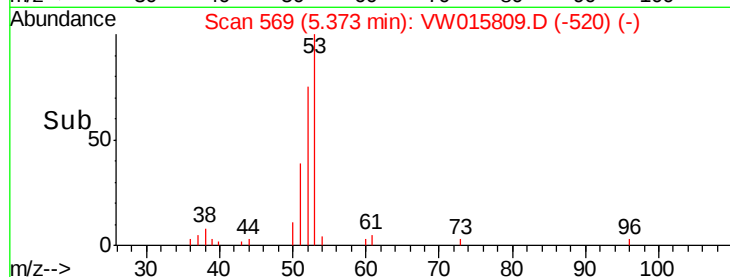
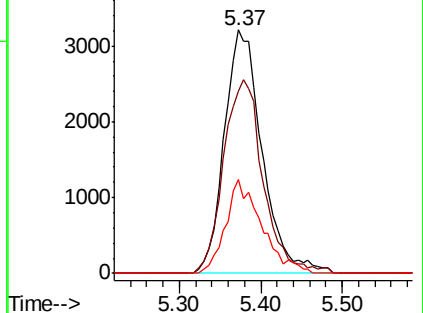
51 36.6 30.2 45.2



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: 30.397 ug/l

RT: 4.13 min Scan# 365

Delta R.T. -0.00 min

Lab File: VW015809.D

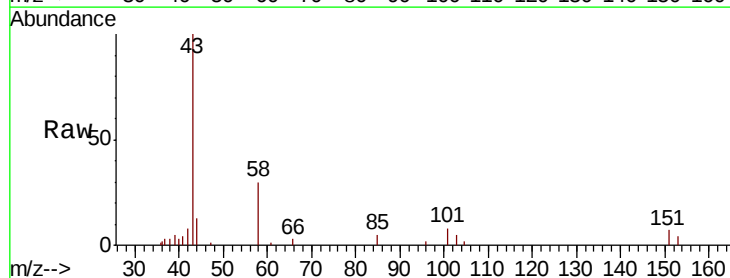
Acq: 08 Jul 2020 15:05

Tgt Ion: 43 Resp: 11602

Ion Ratio Lower Upper

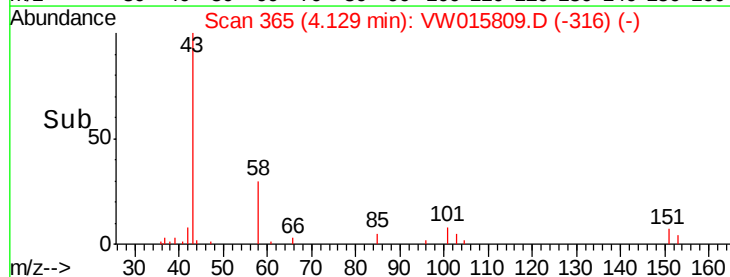
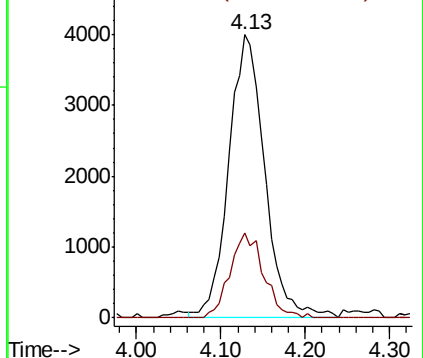
43 100

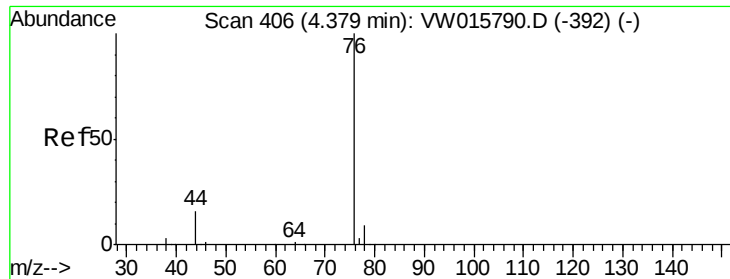
58 29.9 23.5 35.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

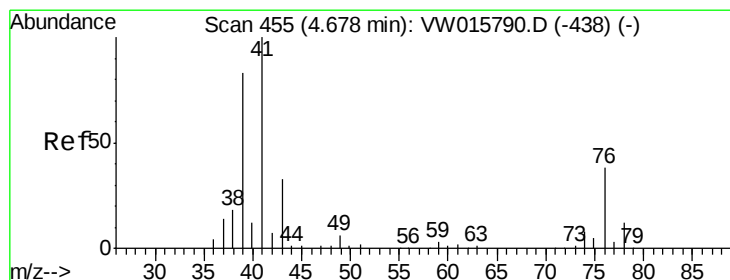
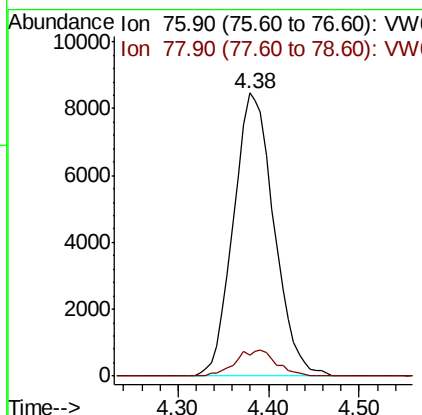
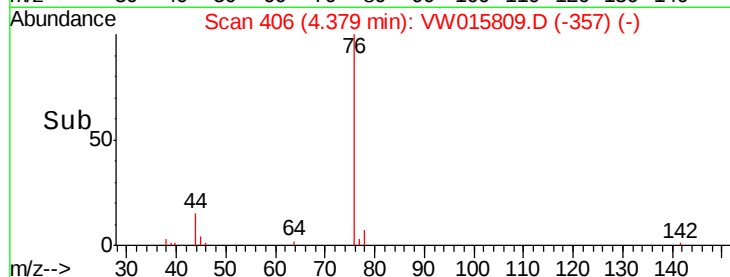
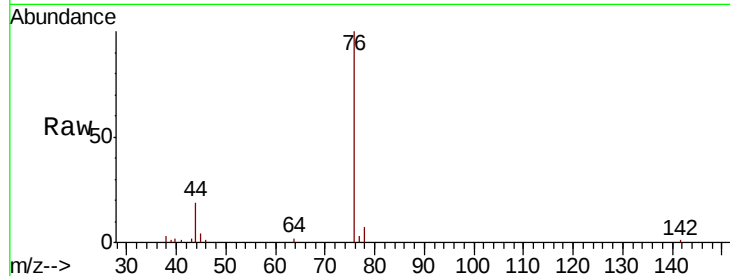




#17
Carbon Disulfide
Concen: 4.873 ug/l
RT: 4.38 min Scan# 406
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

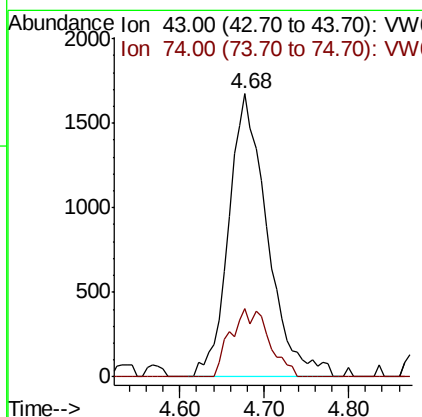
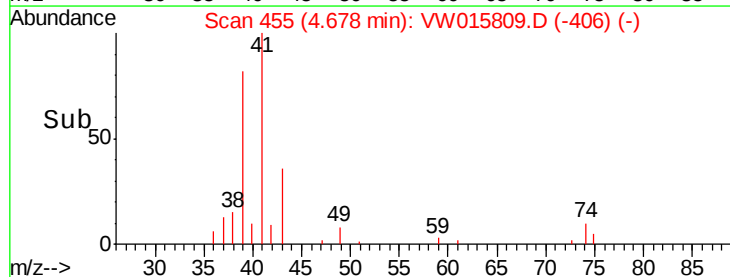
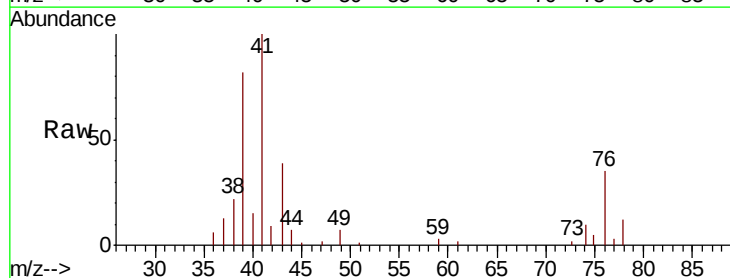
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

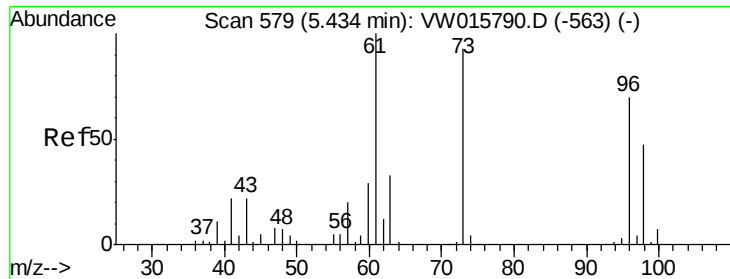
Tot Ion: 76 Resp: 26231
Ion Ratio Lower Upper
76 100
78 7.5 7.4 11.0



#18
Methyl Acetate
Concen: 6.017 ug/l
RT: 4.68 min Scan# 455
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion: 43 Resp: 5226
Ion Ratio Lower Upper
43 100
74 23.9 19.2 28.8

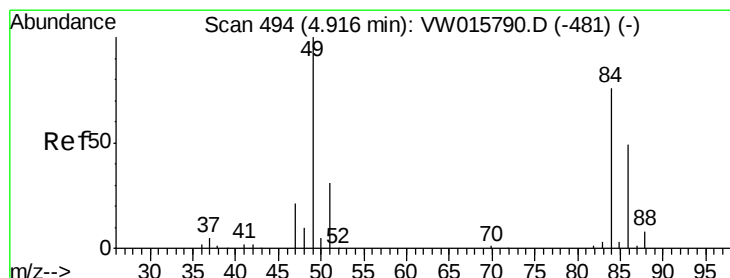
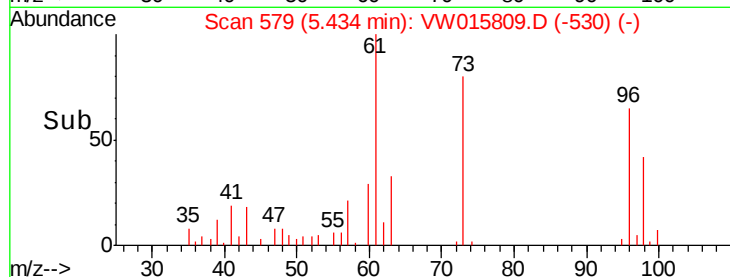
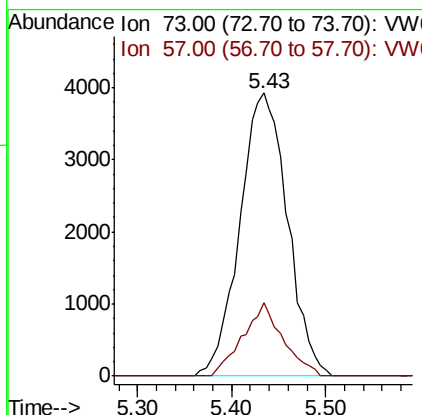
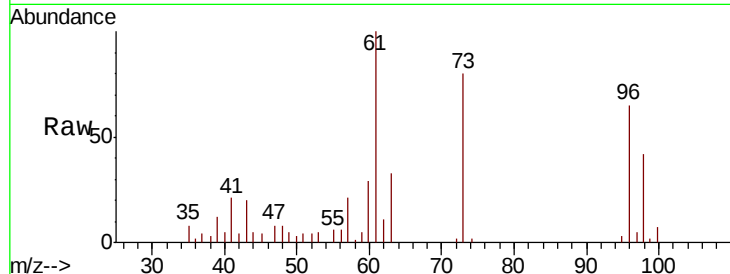




#19
Methvl tert-butvl Ether
Concen: 5.103 ug/l
RT: 5.43 min Scan# 579
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

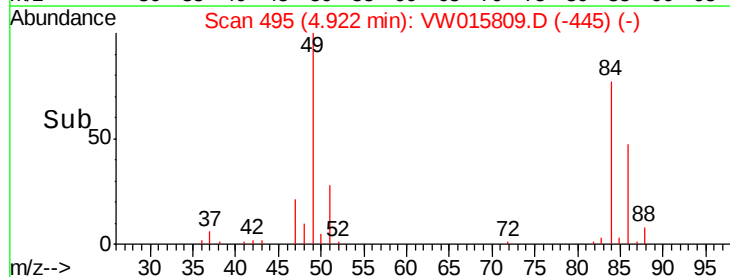
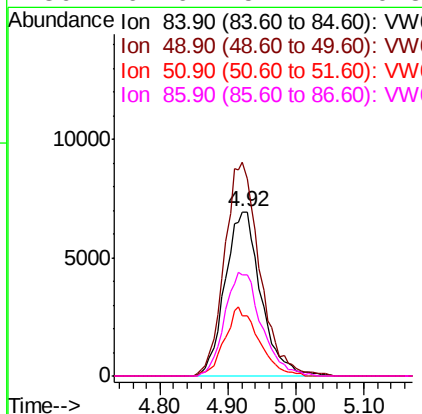
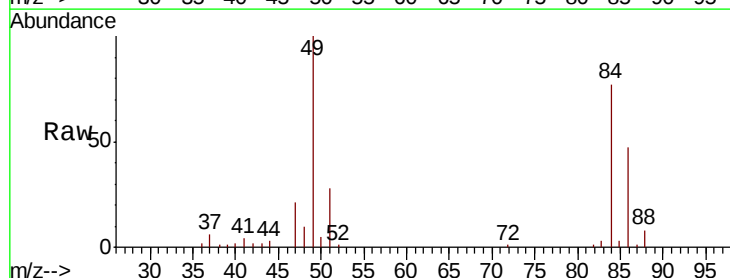
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

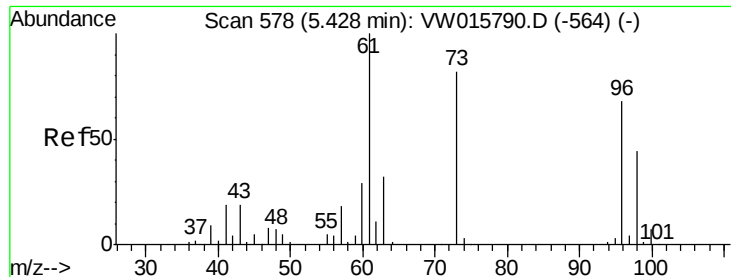
Tot Ion: 73 Resp: 13819
Ion Ratio Lower Upper
73 100
57 25.8 16.8 25.2#



#20
Methylene Chloride
Concen: 11.438 ug/l
RT: 4.92 min Scan# 495
Delta R.T. 0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion: 84 Resp: 25353
Ion Ratio Lower Upper
84 100
49 130.0 105.0 157.6
51 36.9 32.3 48.5
86 61.6 51.2 76.8





#21

trans-1,2-Dichloroethene

Concen: 4.978 ug/l

RT: 5.43 min Scan# 578

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

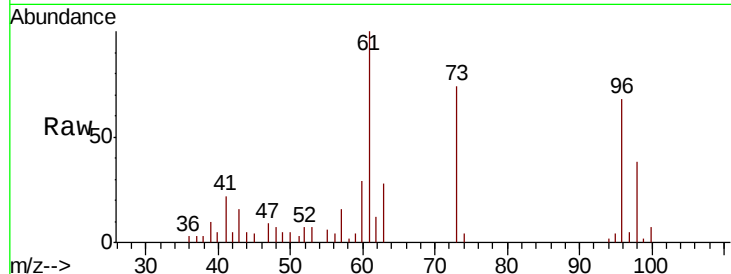
Tot Ion: 96 Resp: 10434

Ion Ratio Lower Upper

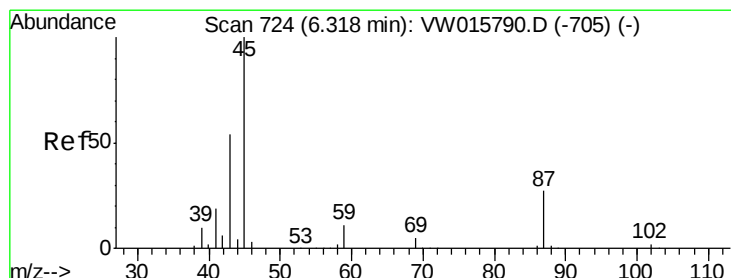
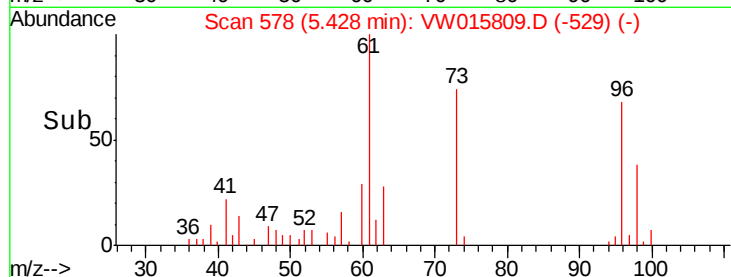
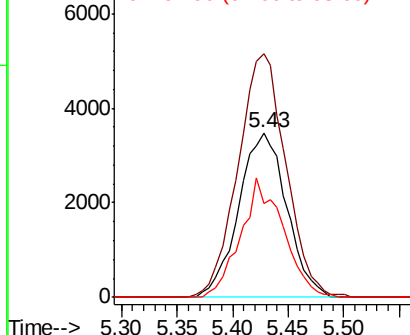
96 100

61 147.9 118.1 177.1

98 56.9 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: 4.959 ug/l

RT: 6.32 min Scan# 724

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Tgt Ion: 45 Resp: 29387

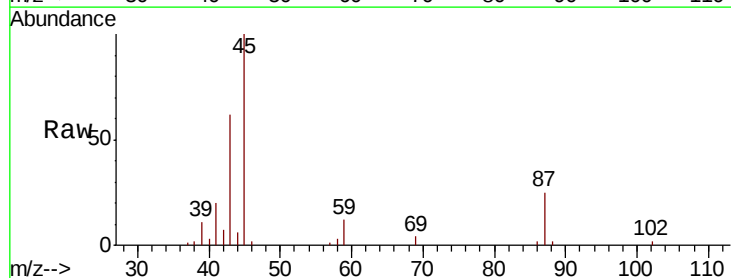
Ion Ratio Lower Upper

45 100

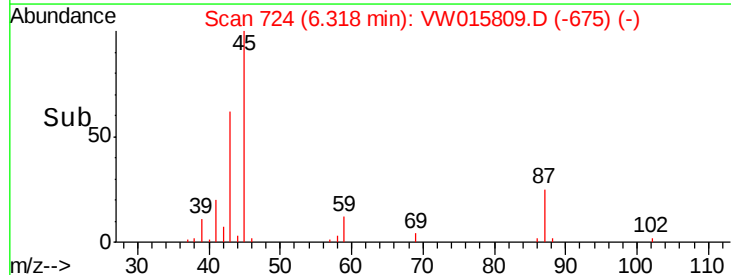
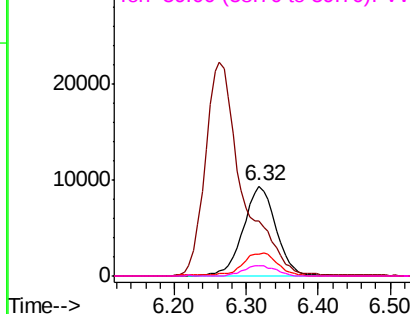
43 60.9 43.8 65.6

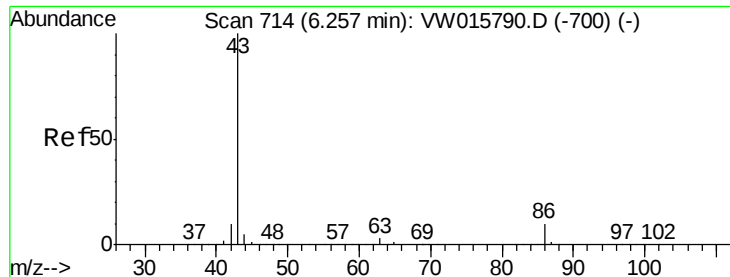
87 24.9 22.1 33.1

59 11.7 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: 22.417 ug/l

RT: 6.26 min Scan# 715

Delta R.T. 0.01 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

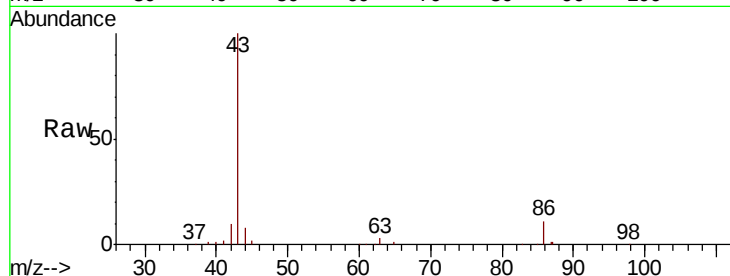
LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 79021

Ion Ratio Lower Upper

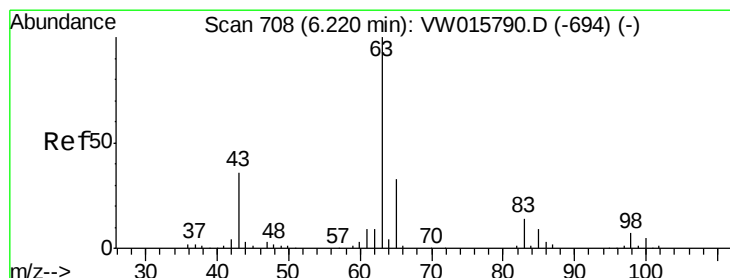
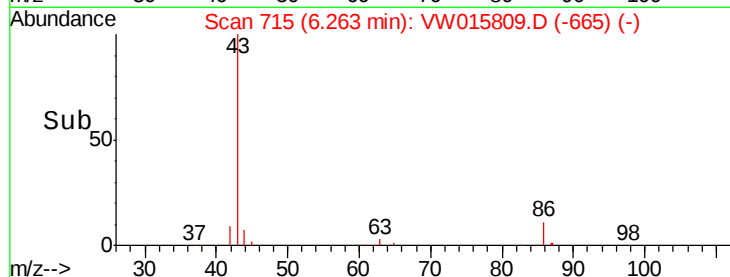
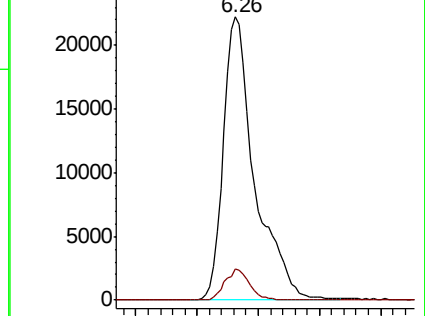
43 100

86 11.1 8.2 12.4



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 86.00 (85.70 to 86.70): VW



#24

1,1-Dichloroethane

Concen: 5.051 ug/l

RT: 6.22 min Scan# 708

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

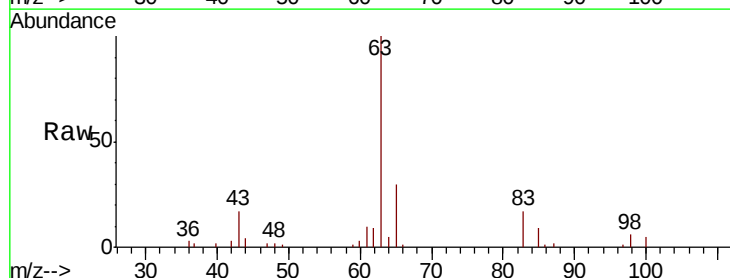
Tgt Ion: 63 Resp: 18952

Ion Ratio Lower Upper

63 100

98 5.8 3.4 10.2

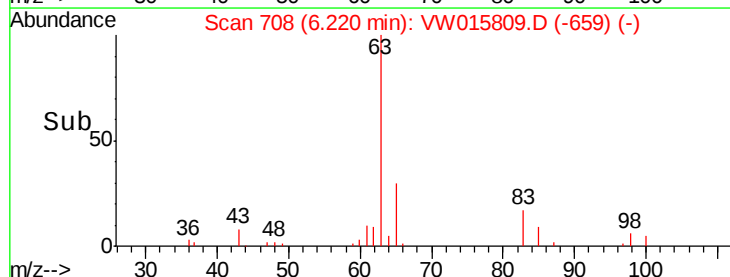
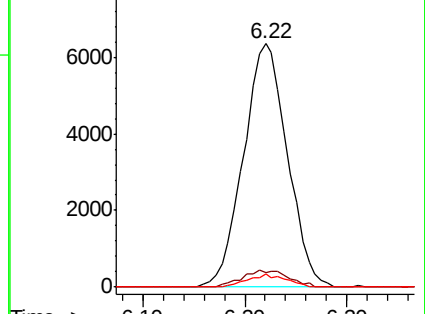
100 5.4 2.4 7.1

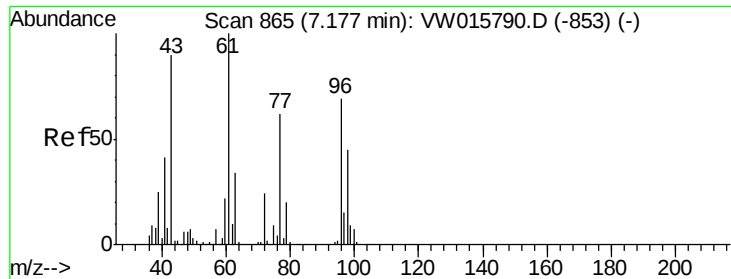


Abundance Ion 62.90 (62.60 to 63.60): VW

Ion 97.90 (97.60 to 98.60): VW

Ion 99.90 (99.60 to 100.60): VW





#25

2-Butanone

Concen: 27.412 ug/l

RT: 7.18 min Scan# 865

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

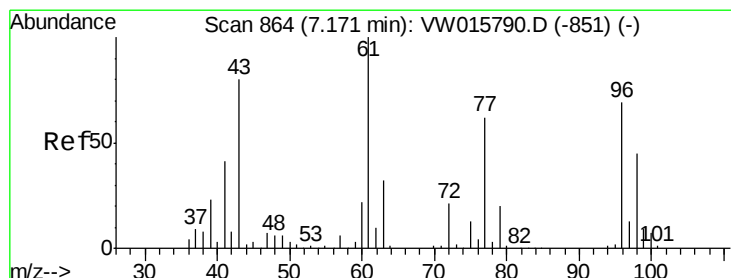
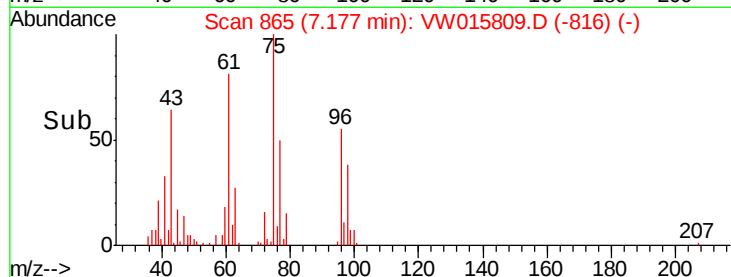
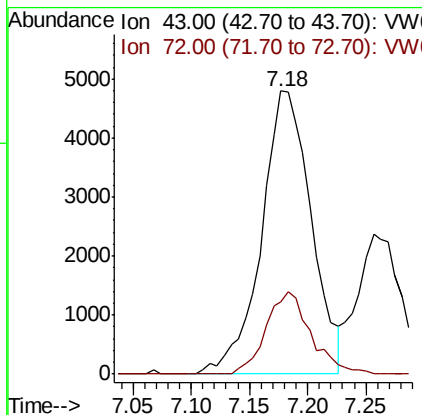
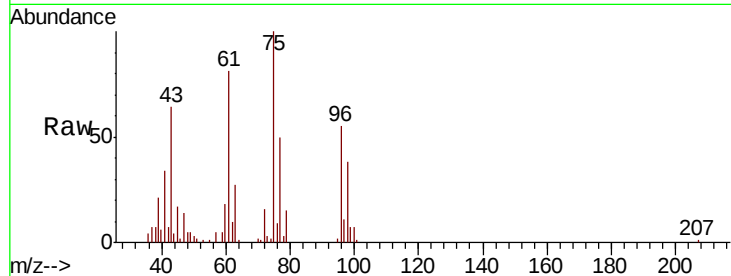
LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 14202

Ion Ratio Lower Upper

43 100

72 25.6 21.3 31.9



#26

2,2-Dichloropropane

Concen: 5.641 ug/l

RT: 7.17 min Scan# 863

Delta R.T. -0.01 min

Lab File: VW015809.D

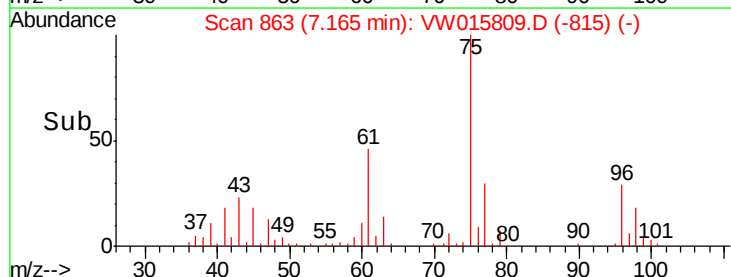
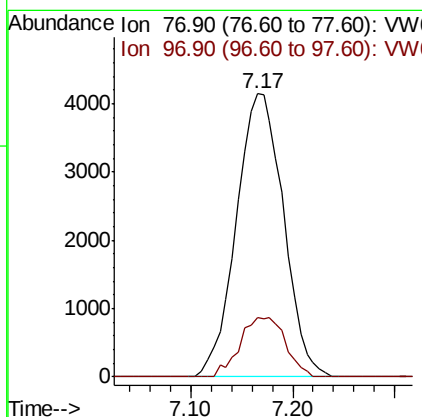
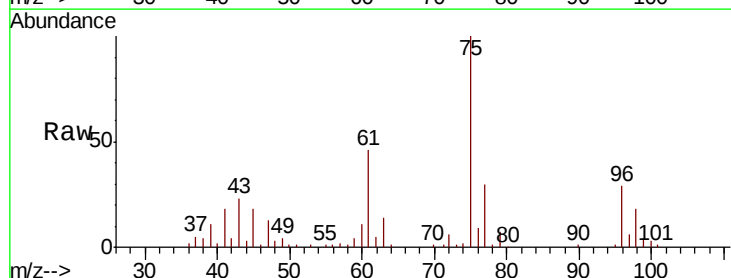
Acq: 08 Jul 2020 15:05

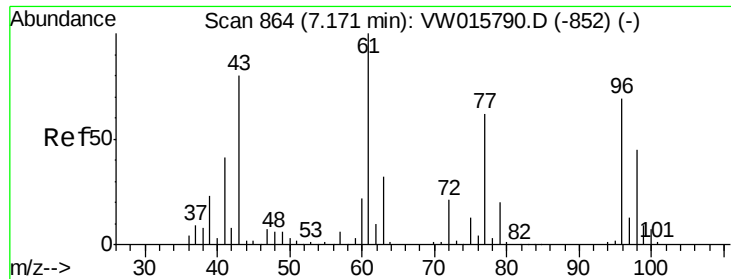
Tgt Ion: 77 Resp: 13279

Ion Ratio Lower Upper

77 100

97 20.2 11.0 33.0

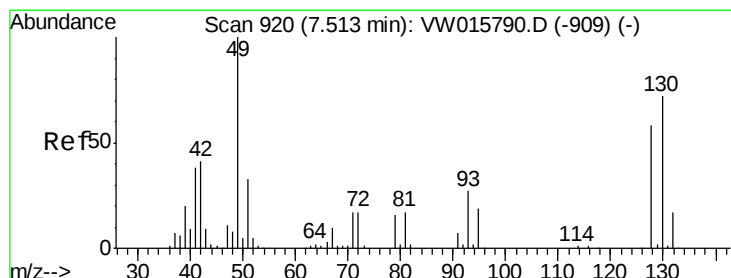
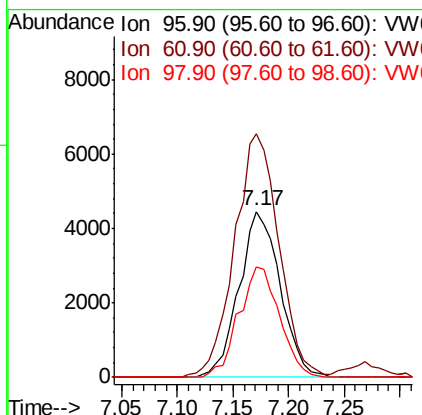
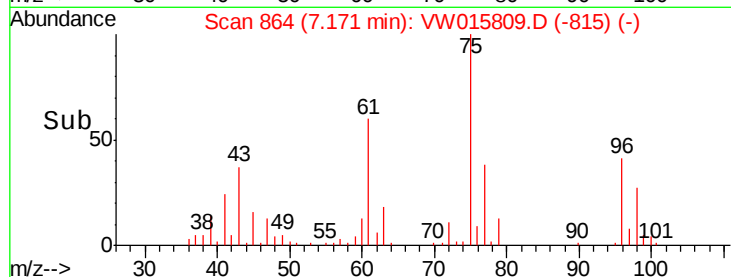
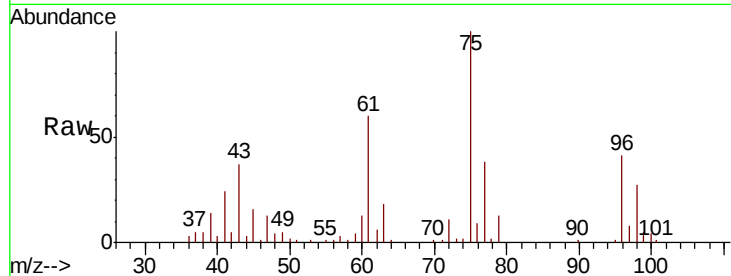




#27
 cis-1,2-Dichloroethene
 Concen: 5.107 ug/l
 RT: 7.17 min Scan# 864
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

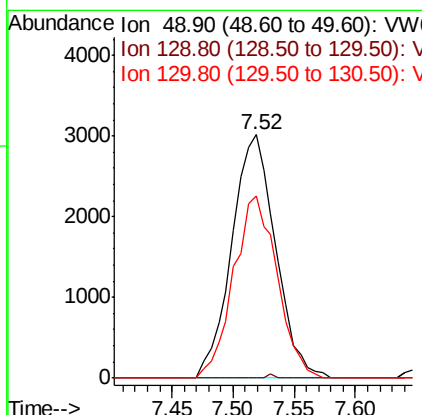
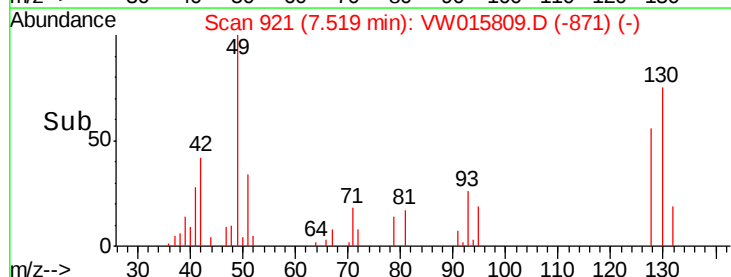
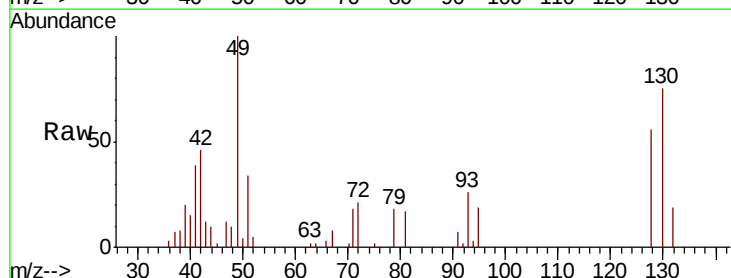
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion: 96 Resp: 11493
 Ion Ratio Lower Upper
 96 100
 61 157.2 0.0 292.2
 98 65.6 0.0 129.0



#28
 Bromochloromethane
 Concen: 5.036 ug/l
 RT: 7.52 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion: 49 Resp: 7491
 Ion Ratio Lower Upper
 49 100
 129 0.3 0.0 2.6
 130 74.4 59.5 89.3





#29

Tetrahydrofuran

Concen: 26.314 ug/l

RT: 7.54 min Scan# 925

Delta R.T. 0.01 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

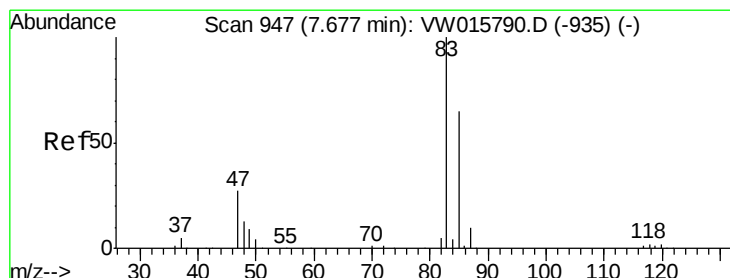
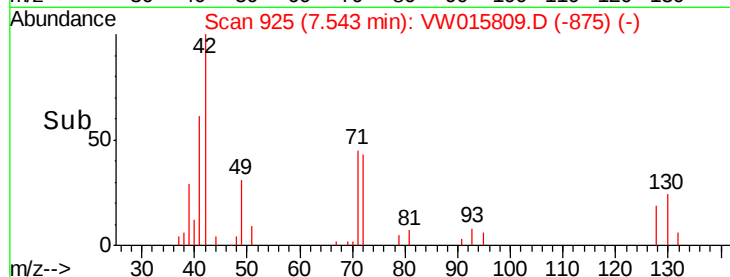
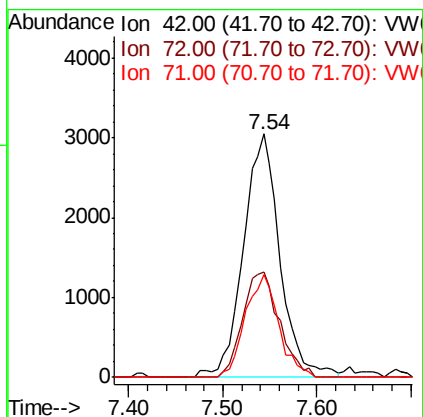
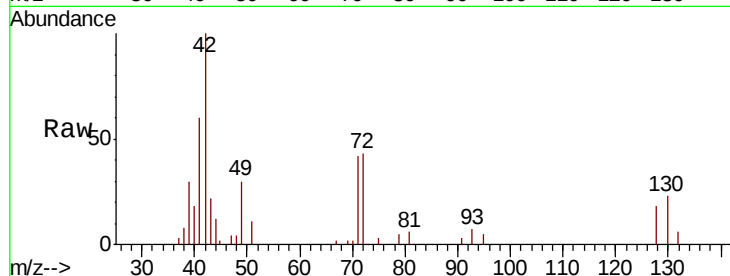
Tot Ion: 42 Resp: 8273

Ion Ratio Lower Upper

42 100

72 43.4 34.6 51.8

71 38.5 32.8 49.2



#30

Chloroform

Concen: 5.084 ug/l

RT: 7.68 min Scan# 947

Delta R.T. -0.00 min

Lab File: VW015809.D

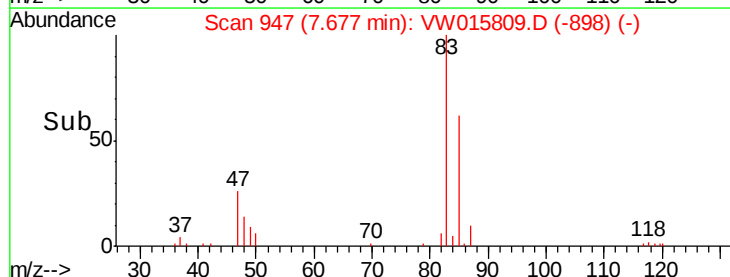
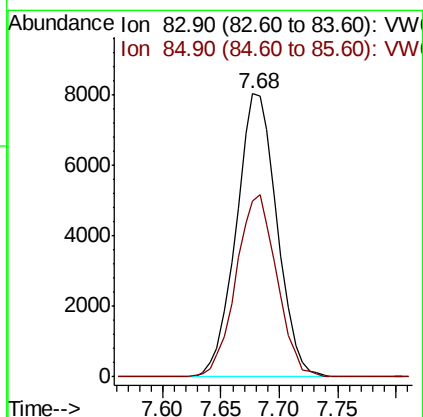
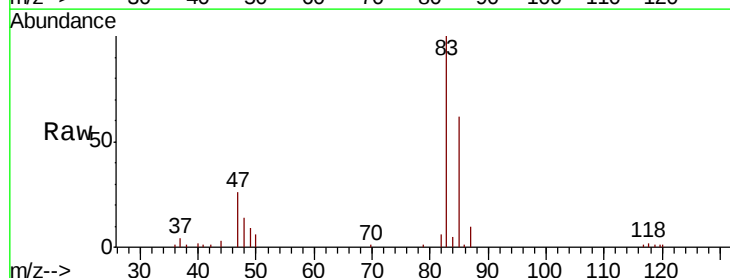
Acq: 08 Jul 2020 15:05

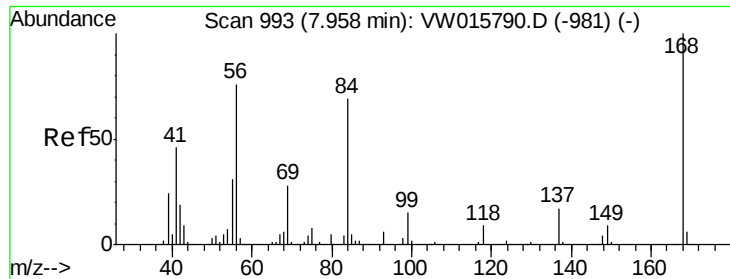
Tgt Ion: 83 Resp: 19500

Ion Ratio Lower Upper

83 100

85 62.0 51.6 77.4

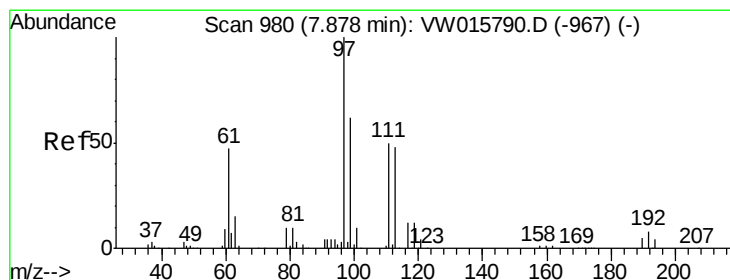
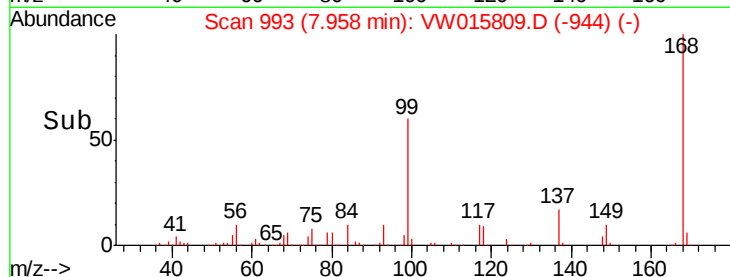
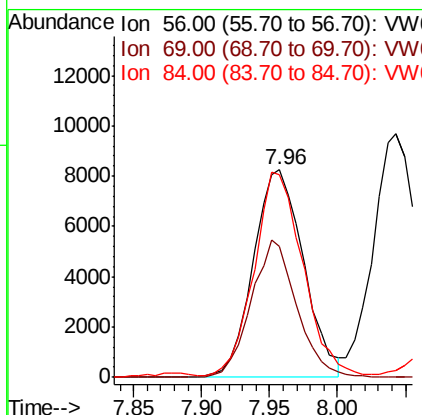
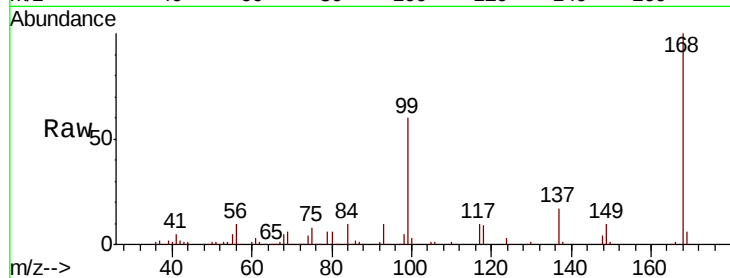




#31
Cyclohexane
Concen: 6.047 ug/l
RT: 7.96 min Scan# 993
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

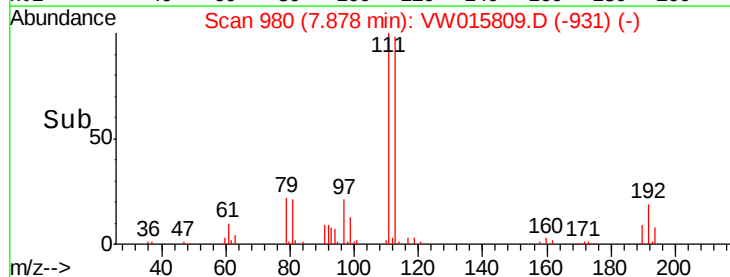
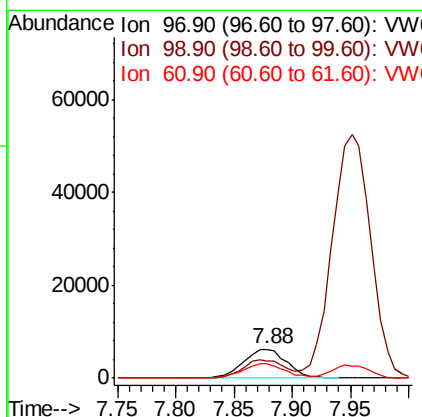
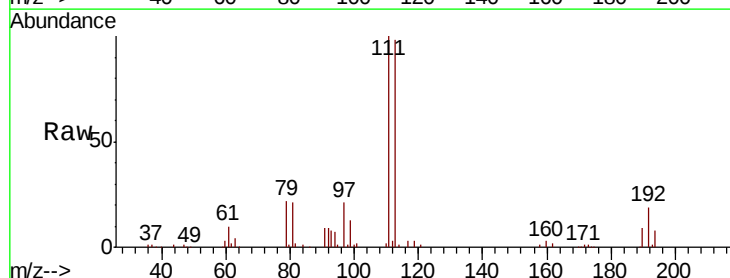
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

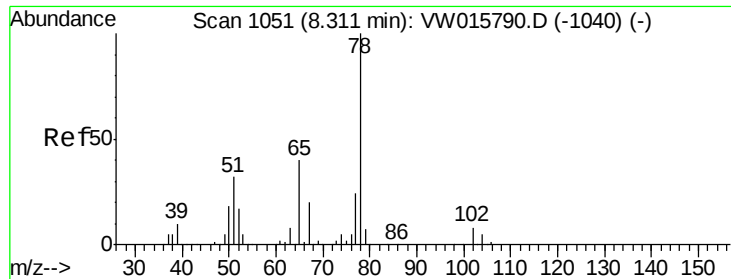
Tot Ion: 56 Resp: 21356
Ion Ratio Lower Upper
56 100
69 62.9 28.9 43.3#
84 96.4 72.2 108.4



#32
1,1,1-Trichloroethane
Concen: 5.033 ug/l
RT: 7.88 min Scan# 980
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion: 97 Resp: 16187
Ion Ratio Lower Upper
97 100
99 60.4 51.0 76.4
61 49.8 38.6 57.8

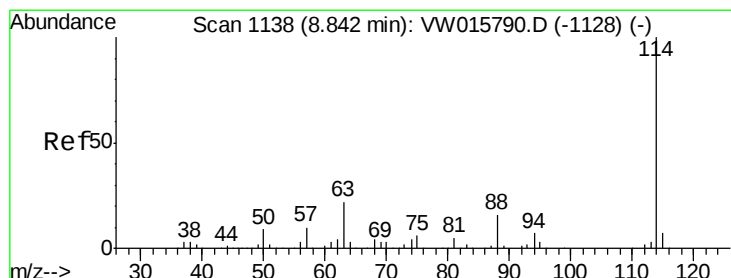
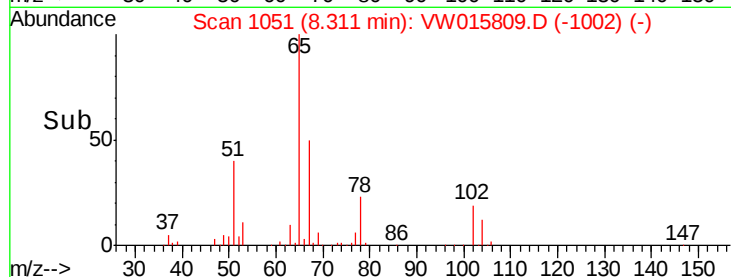
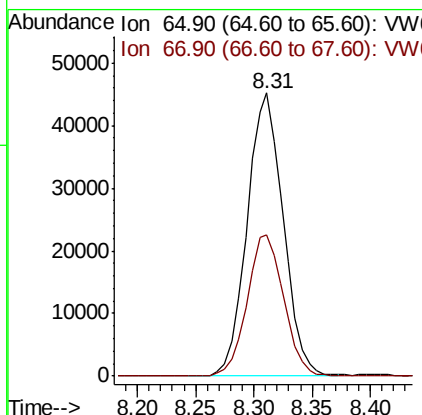
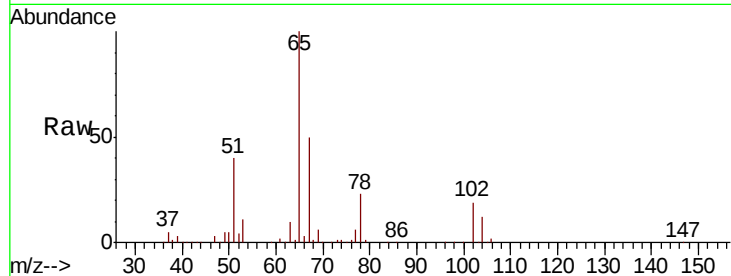




#33
 1,2-Dichloroethane-d4
 Concen: 47.921 ug/l
 RT: 8.31 min Scan# 1051
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

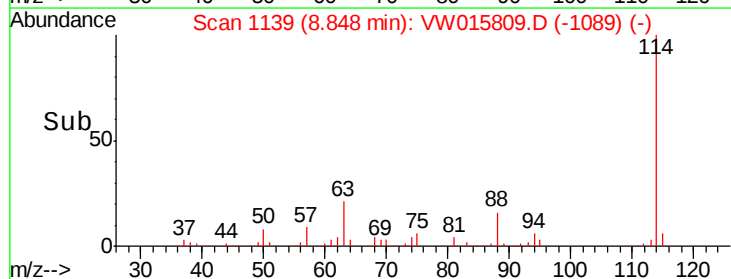
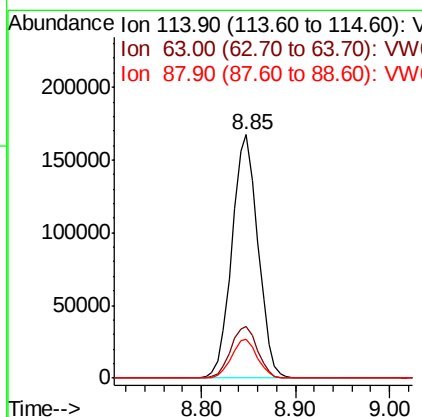
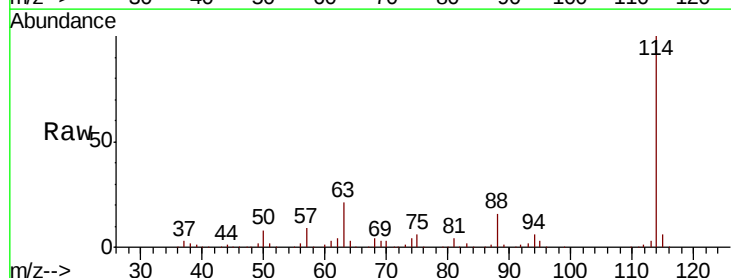
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

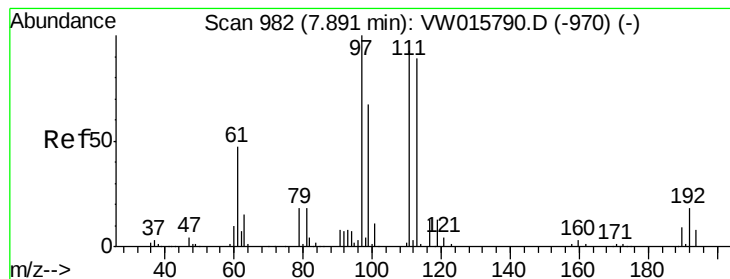
Tot Ion: 65 Resp: 97753
 Ion Ratio Lower Upper
 65 100
 67 50.5 0.0 101.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.85 min Scan# 1139
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion: 114 Resp: 321266
 Ion Ratio Lower Upper
 114 100
 63 21.0 0.0 44.4
 88 16.1 0.0 32.6





#35

Dibromofluoromethane

Concen: 46.247 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.01 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

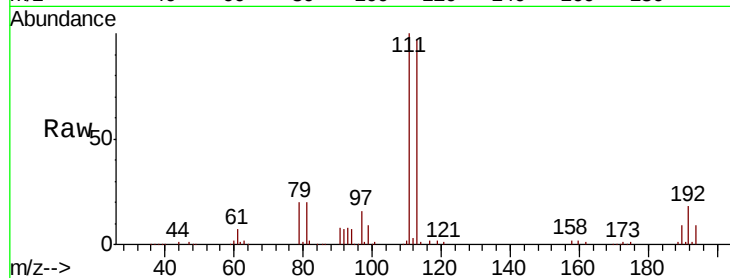
Tot Ion:113 Resp: 86682

Ion Ratio Lower Upper

113 100

111 102.7 82.8 124.2

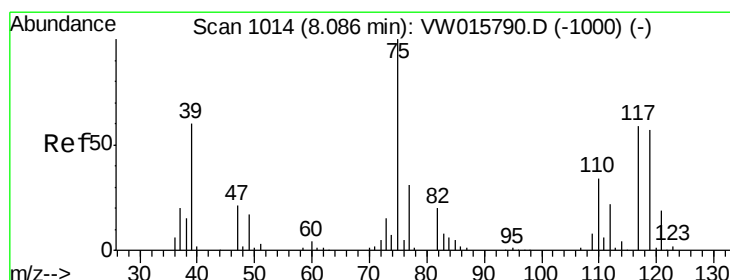
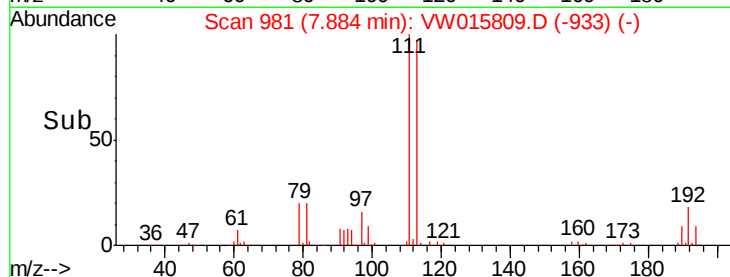
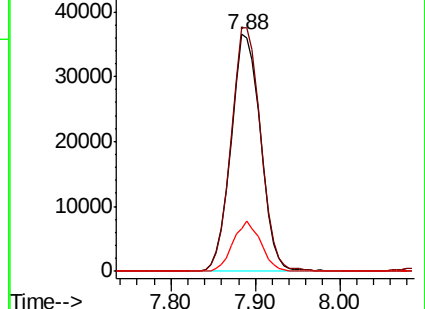
192 19.9 15.4 23.2



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: 4.964 ug/l

RT: 8.09 min Scan# 1014

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

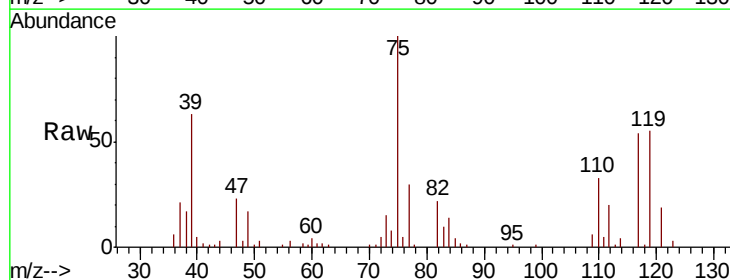
Tgt Ion: 75 Resp: 15721

Ion Ratio Lower Upper

75 100

110 33.0 16.8 50.3

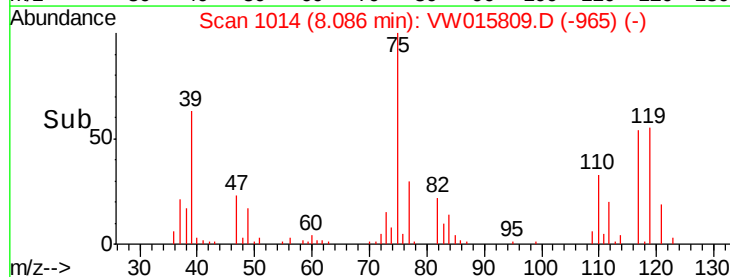
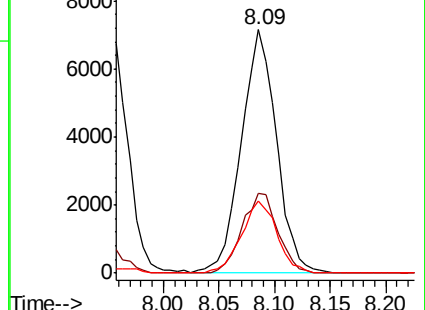
77 29.9 24.7 37.1

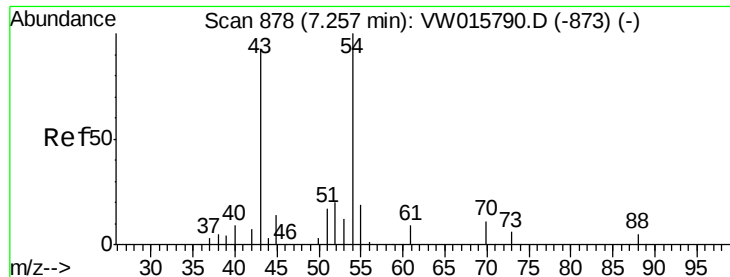


Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VW

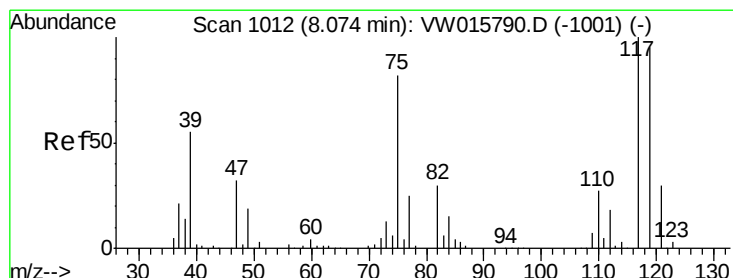
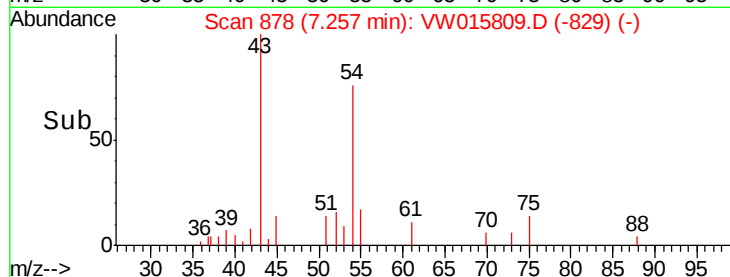
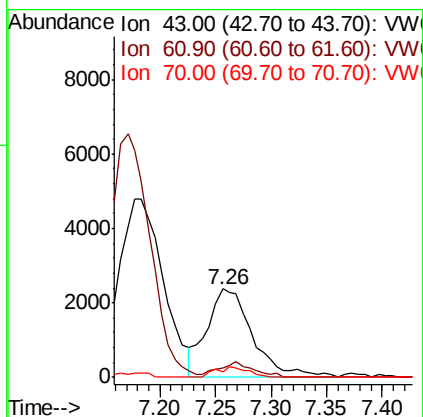
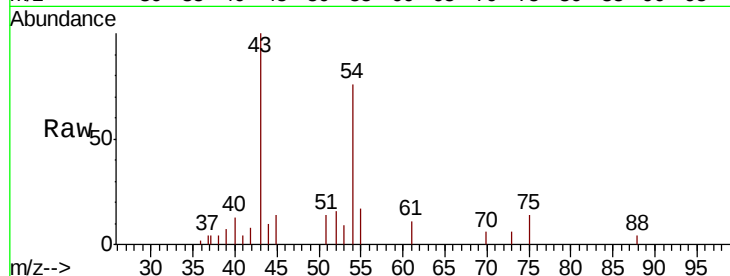




#37
Ethyl Acetate
Concen: 5.484 ug/l
RT: 7.26 min Scan# 878
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

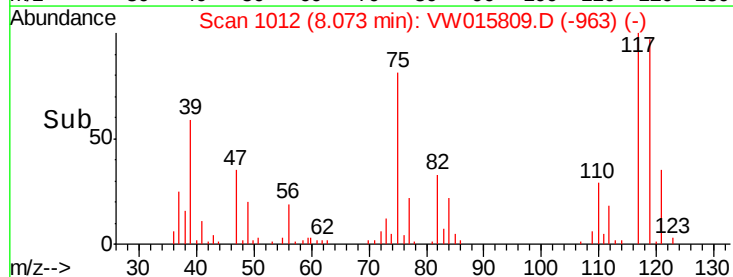
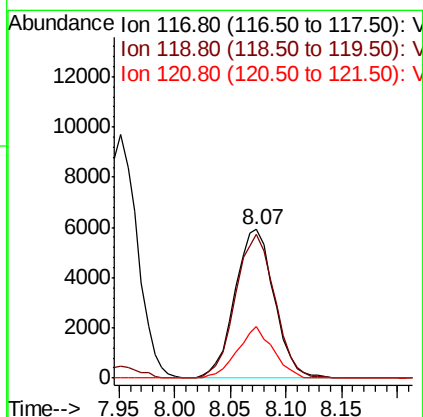
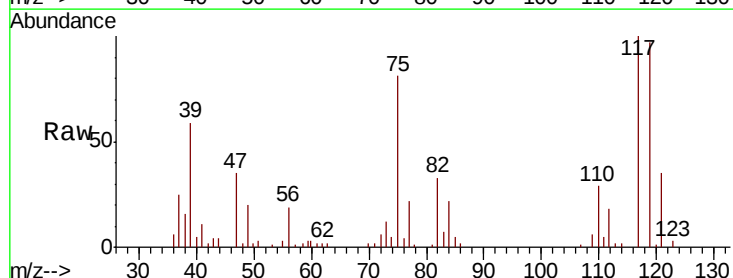
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

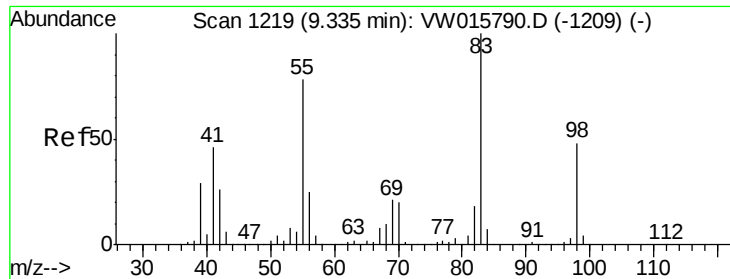
Tot Ion: 43 Resp: 6748
Ion Ratio Lower Upper
43 100
61 13.3 10.4 15.6
70 8.4 8.4 12.6



#38
Carbon Tetrachloride
Concen: 4.759 ug/l
RT: 8.07 min Scan# 1012
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion: 117 Resp: 14584
Ion Ratio Lower Upper
117 100
119 97.0 76.3 114.5
121 34.6 24.0 36.0

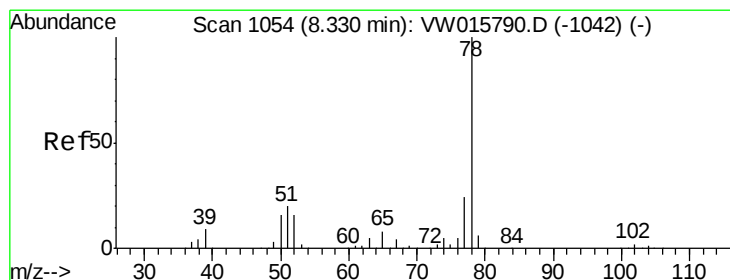
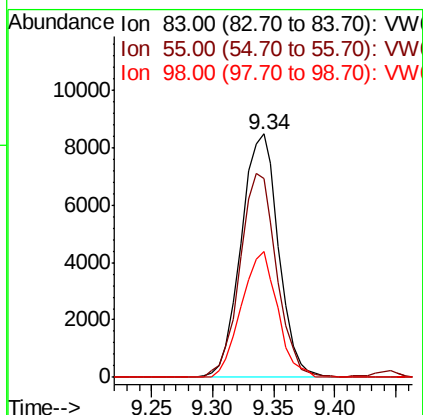
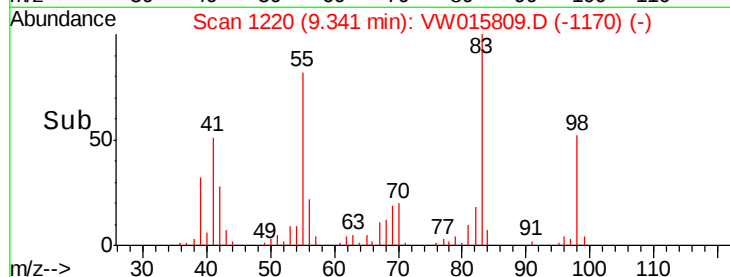
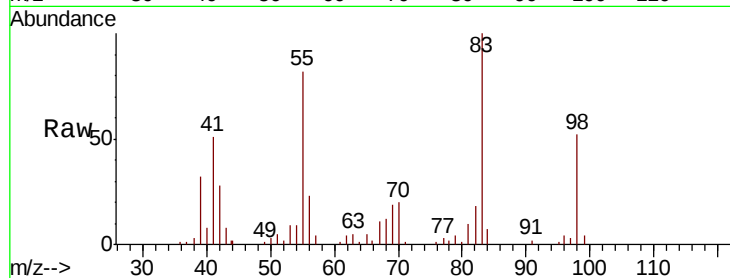




#39
Methvlcvclohexane
Concen: 4.828 ug/l
RT: 9.34 min Scan# 1220
Delta R.T. 0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

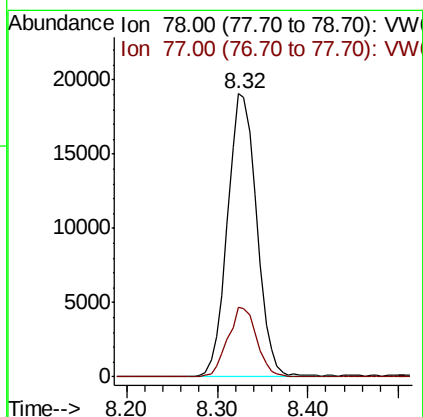
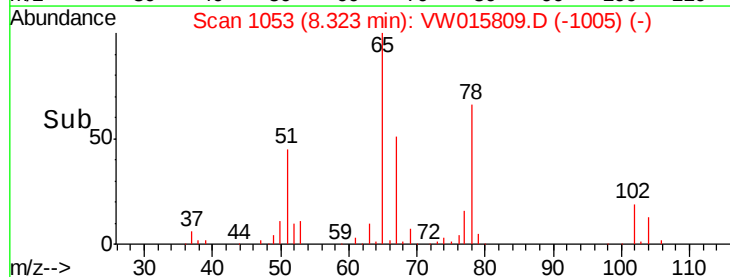
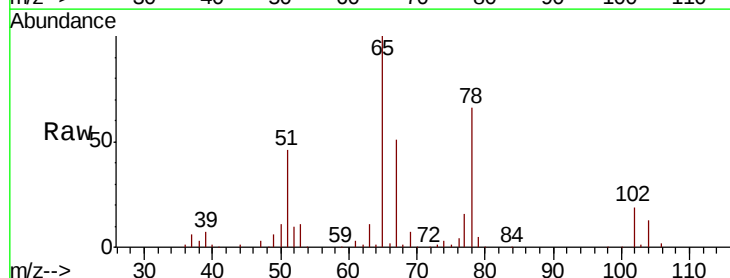
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion: 83 Resp: 18043
Ion Ratio Lower Upper
83 100
55 81.6 62.6 94.0
98 51.9 38.6 58.0



#40
Benzene
Concen: 4.944 ug/l
RT: 8.32 min Scan# 1053
Delta R.T. -0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion: 78 Resp: 42893
Ion Ratio Lower Upper
78 100
77 24.5 19.0 28.6

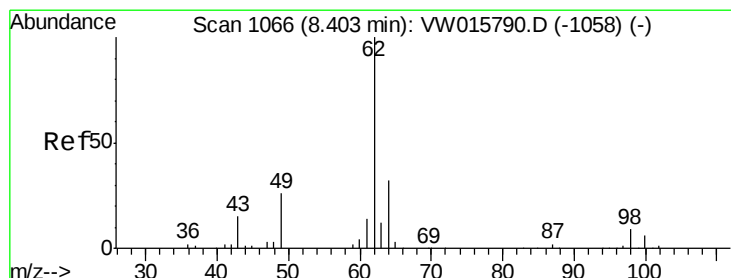
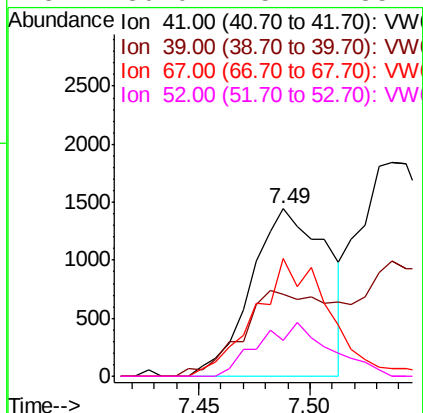
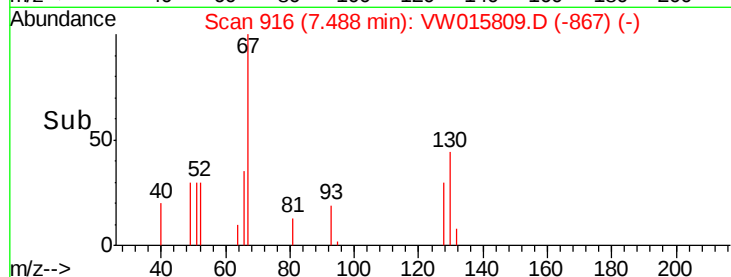
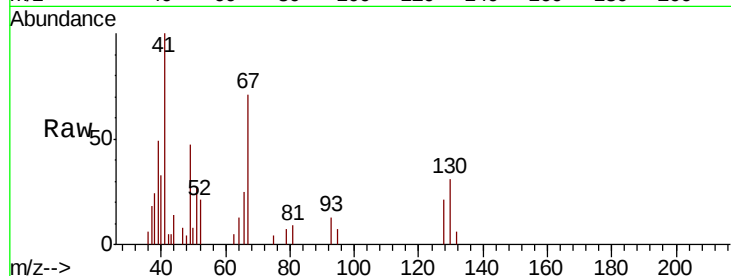




#41
Methacrylonitrile
Concen: 4.937 ug/l
RT: 7.49 min Scan# 916
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

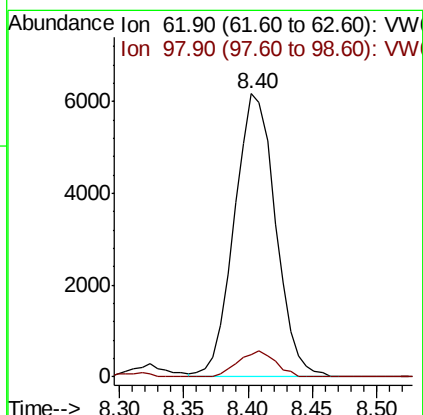
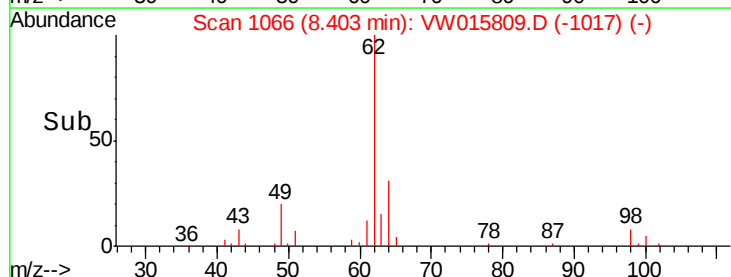
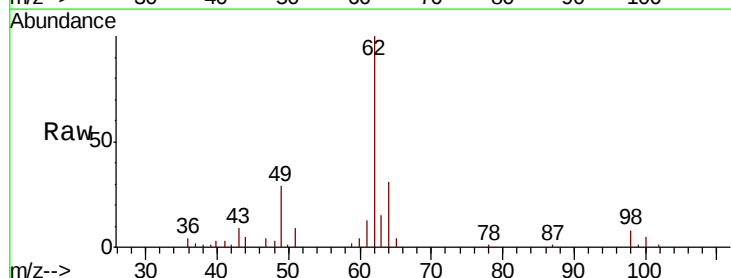
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

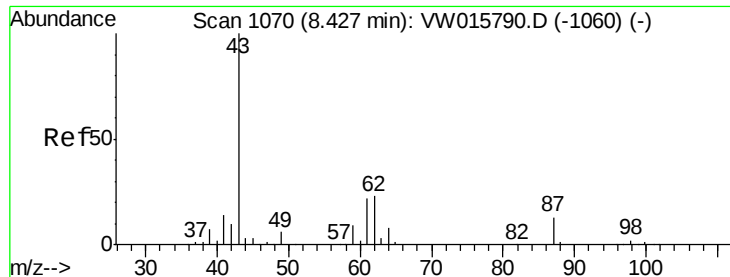
Tot Ion:	41	Resp:	3449
Ion	Ratio	Lower	Upper
41	100		
39	65.3	44.6	66.8
67	68.8	56.4	84.6
52	30.0	25.4	38.2



#42
1,2-Dichloroethane
Concen: 5.077 ug/l
RT: 8.40 min Scan# 1066
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion:	62	Resp:	13708
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	17.2





#43

Isopropyl Acetate

Concen: 4.815 ug/l

RT: 8.43 min Scan# 1071

Delta R.T. 0.01 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

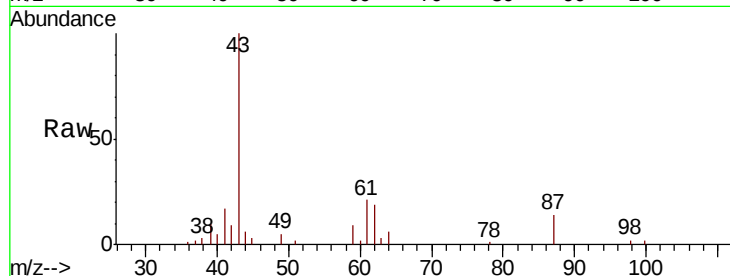
Tot Ion: 43 Resp: 11566

Ion Ratio Lower Upper

43 100

61 31.5 24.8 37.2

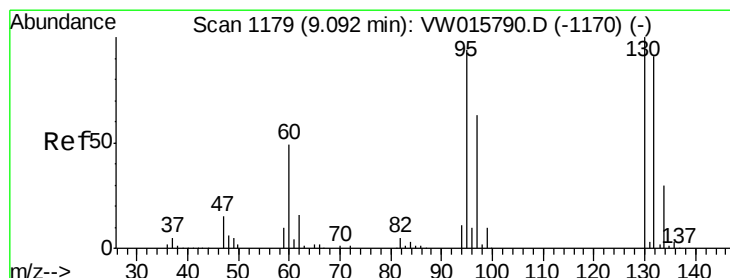
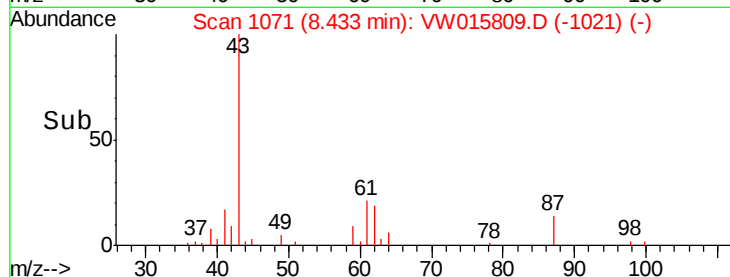
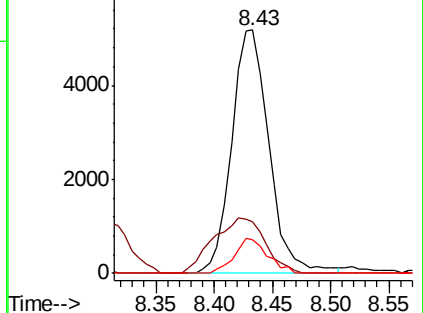
87 12.7 10.4 15.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 61.00 (60.70 to 61.70): VW

Ion 87.00 (86.70 to 87.70): VW



#44

Trichloroethene

Concen: 4.951 ug/l

RT: 9.10 min Scan# 1180

Delta R.T. 0.01 min

Lab File: VW015809.D

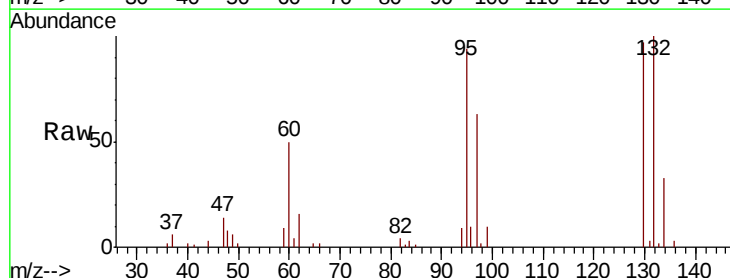
Acq: 08 Jul 2020 15:05

Tgt Ion: 130 Resp: 11360

Ion Ratio Lower Upper

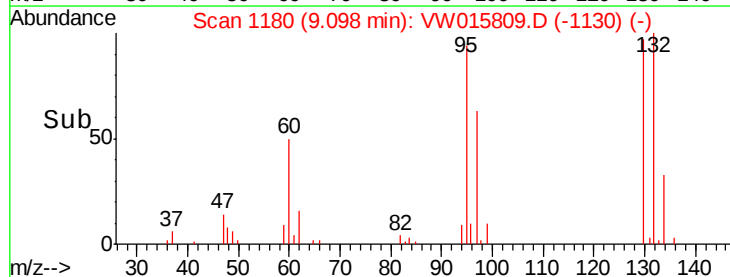
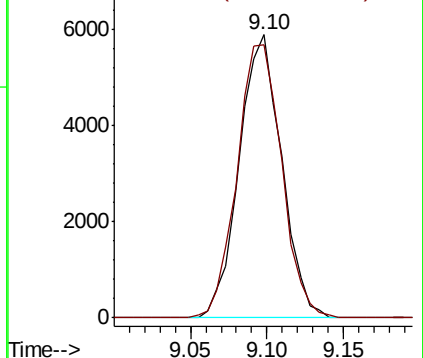
130 100

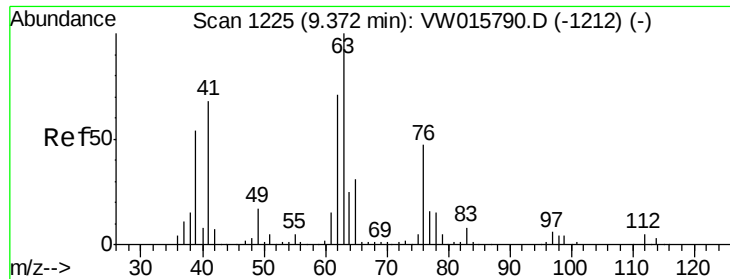
95 96.6 0.0 188.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VW

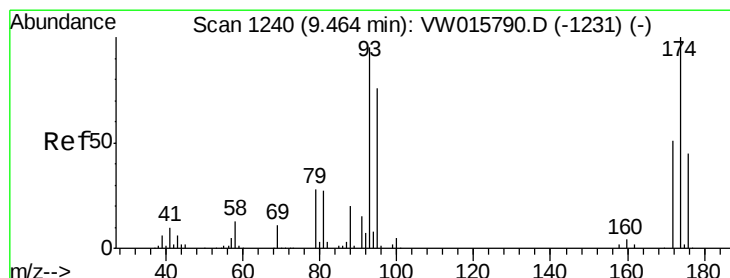
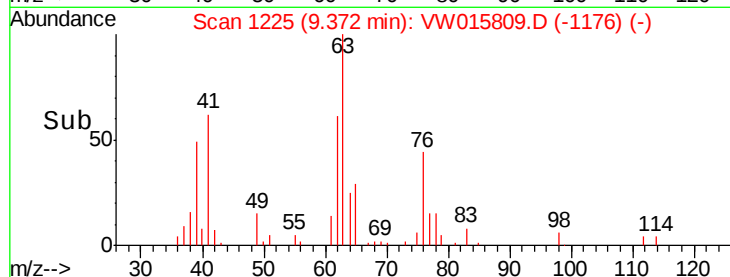
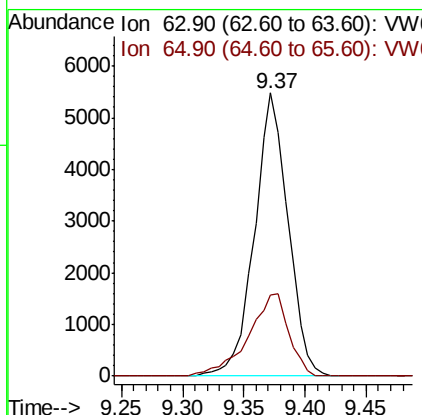
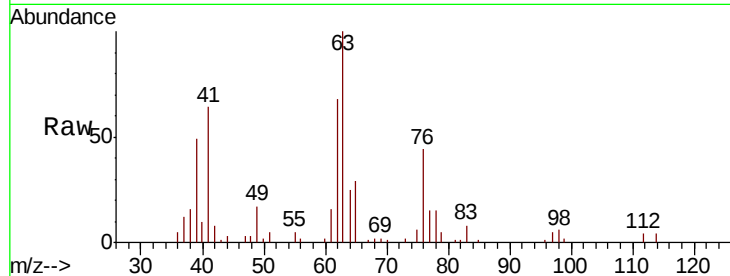




#45
 1,2-Dichloropropane
 Concen: 4.921 ug/l
 RT: 9.37 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

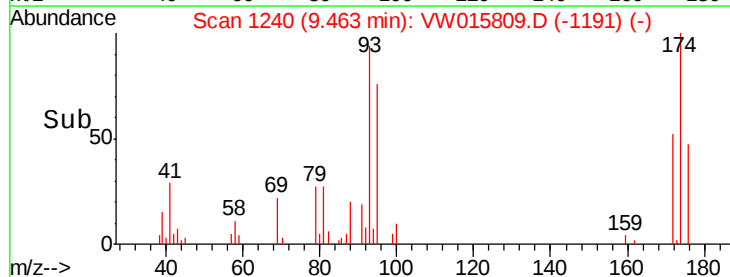
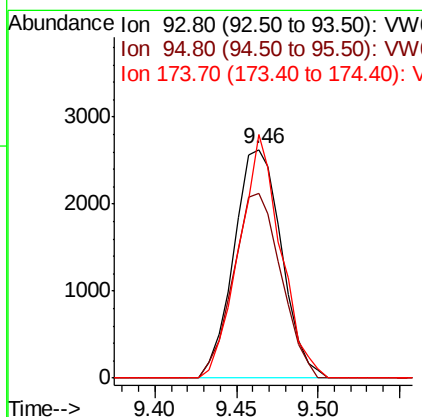
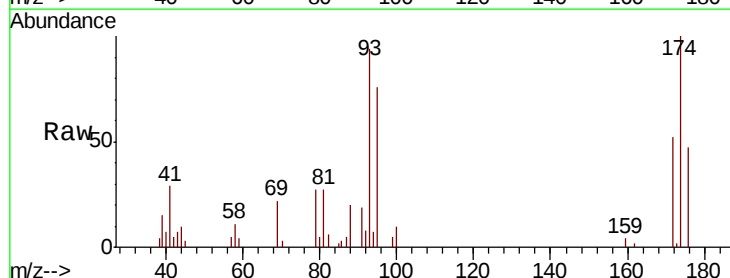
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

Tot Ion: 63 Resp: 10494
 Ion Ratio Lower Upper
 63 100
 65 28.6 24.5 36.7



#46
 Dibromomethane
 Concen: 4.848 ug/l
 RT: 9.46 min Scan# 1240
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion: 93 Resp: 5322
 Ion Ratio Lower Upper
 93 100
 95 81.3 66.0 99.0
 174 93.3 78.7 118.1





#47

Bromodichloromethane

Concen: 4.606 ug/l

RT: 9.65 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

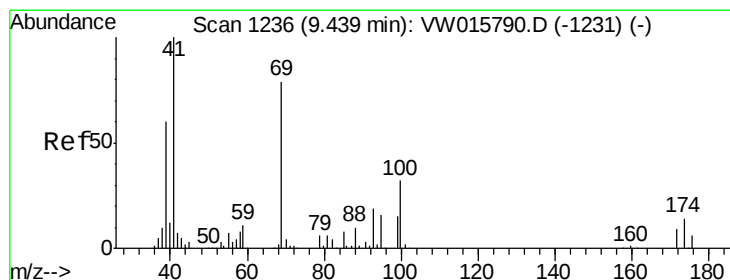
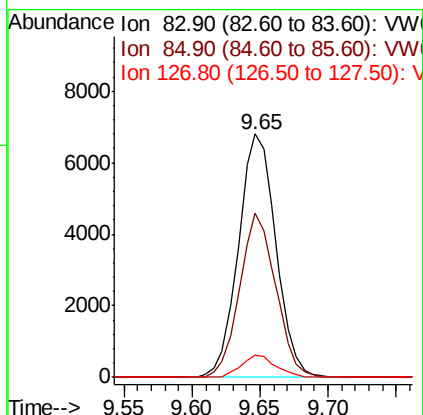
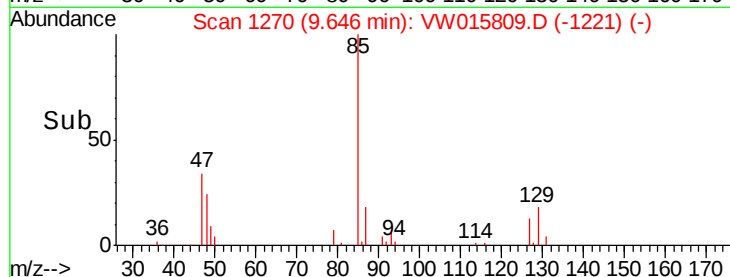
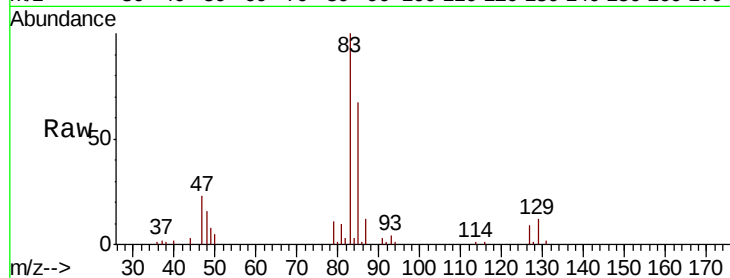
Tot Ion: 83 Resp: 13079

Ion Ratio Lower Upper

83 100

85 67.2 50.6 76.0

127 9.0 6.2 9.2



#48

Methyl methacrylate

Concen: 4.295 ug/l

RT: 9.44 min Scan# 1236

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

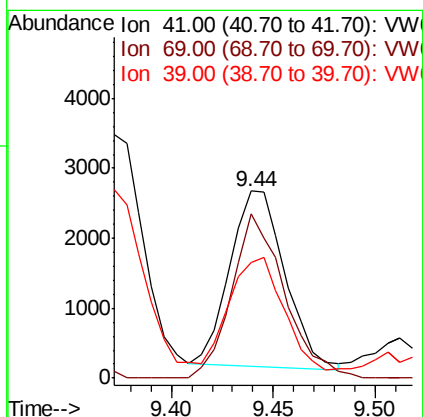
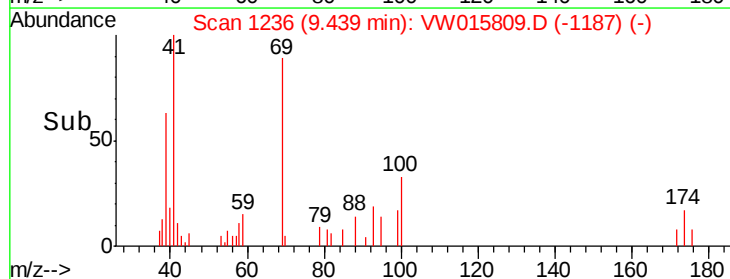
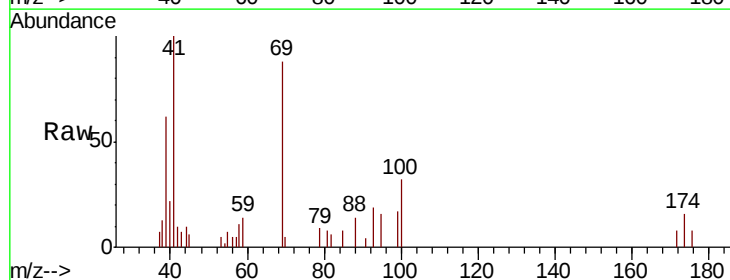
Tgt Ion: 41 Resp: 4728

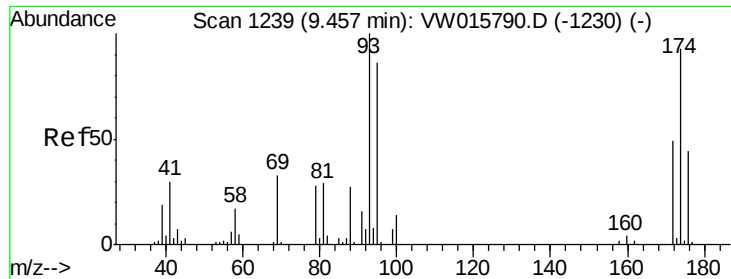
Ion Ratio Lower Upper

41 100

69 89.0 67.1 100.7

39 62.7 49.9 74.9

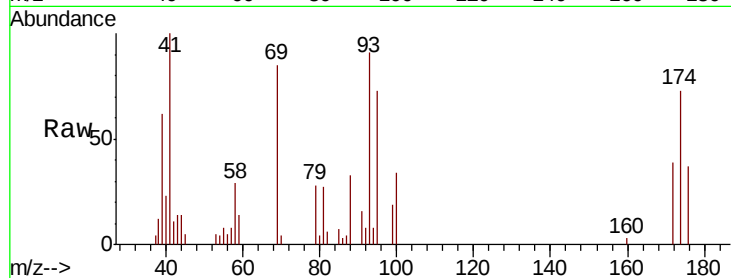




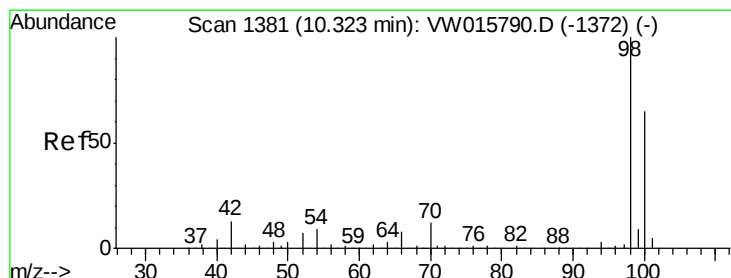
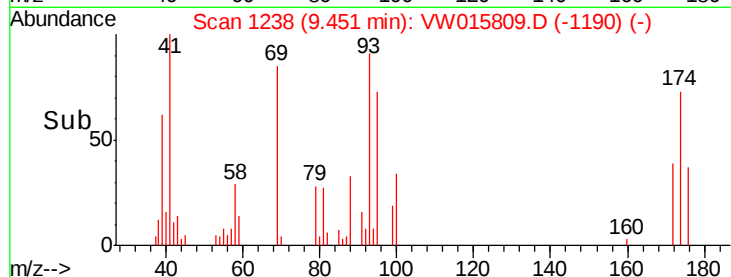
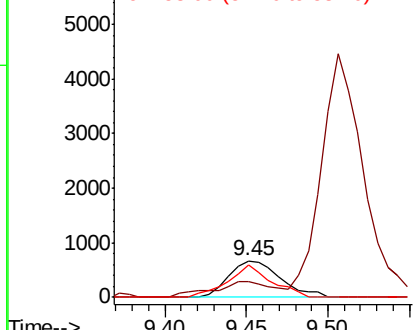
#49
1,4-Dioxane
Concen: 108.677 ug/l
RT: 9.45 min Scan# 1238
Delta R.T. -0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion: 88 Resp: 1475
Ion Ratio Lower Upper
88 100
43 51.7 28.1 42.1#
58 73.9 59.3 88.9

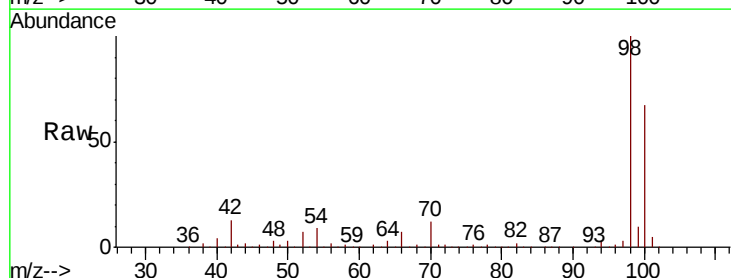


Abundance Ion 88.00 (87.70 to 88.70): VW
Ion 43.00 (42.70 to 43.70): VW
Ion 58.00 (57.70 to 58.70): VW

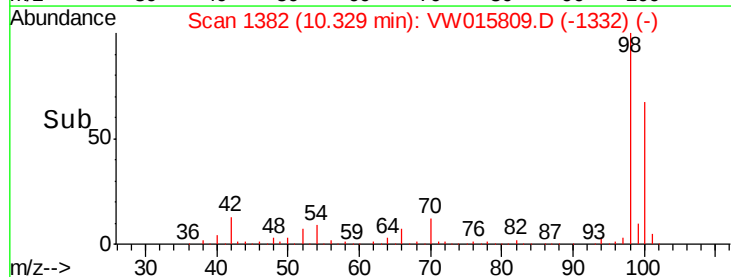
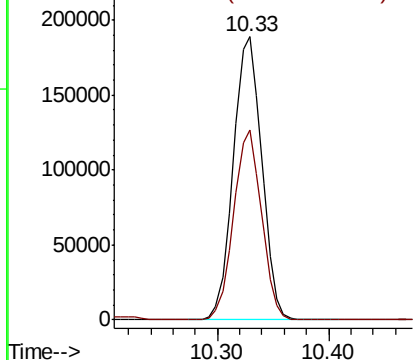


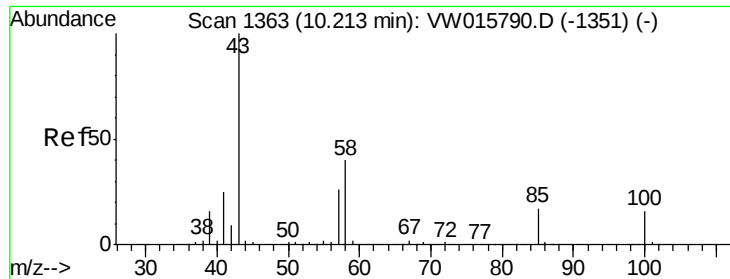
#50
Toluene-d8
Concen: 46.498 ug/l
RT: 10.33 min Scan# 1382
Delta R.T. 0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion: 98 Resp: 334768
Ion Ratio Lower Upper
98 100
100 65.7 52.6 79.0



Abundance Ion 98.00 (97.70 to 98.70): VW
Ion 100.00 (99.70 to 100.70): VW





#51

4-Methyl-2-Pentanone

Concen: 23.880 ug/l

RT: 10.21 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

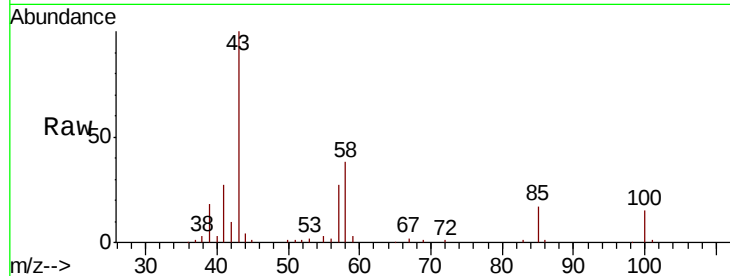
LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 27989

Ion Ratio Lower Upper

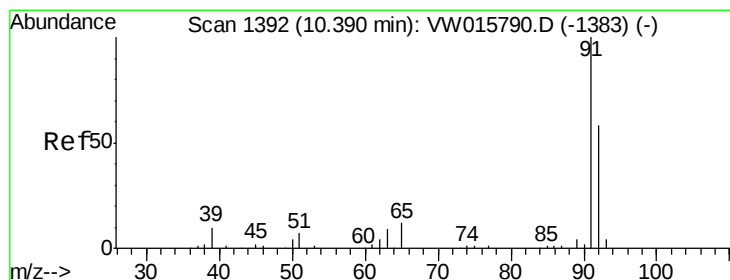
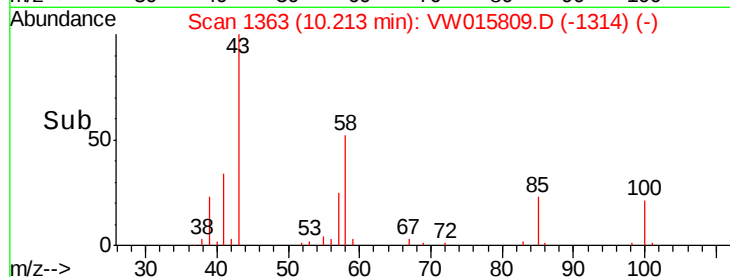
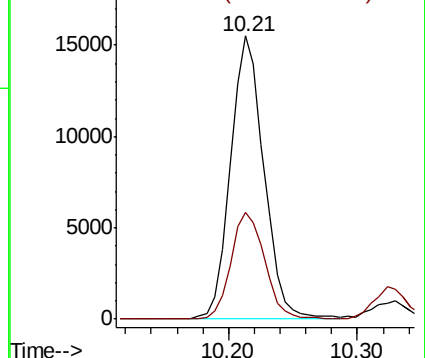
43 100

58 37.9 30.9 46.3



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



#52

Toluene

Concen: 4.958 ug/l

RT: 10.39 min Scan# 1392

Delta R.T. -0.00 min

Lab File: VW015809.D

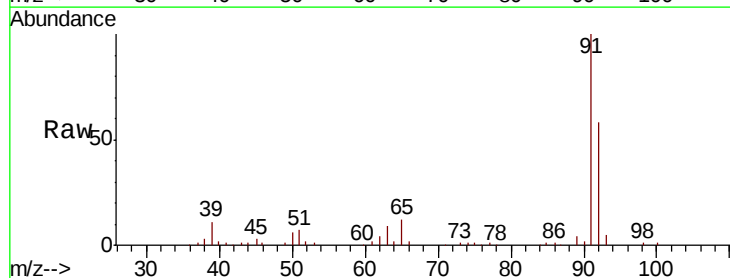
Acq: 08 Jul 2020 15:05

Tgt Ion: 92 Resp: 27676

Ion Ratio Lower Upper

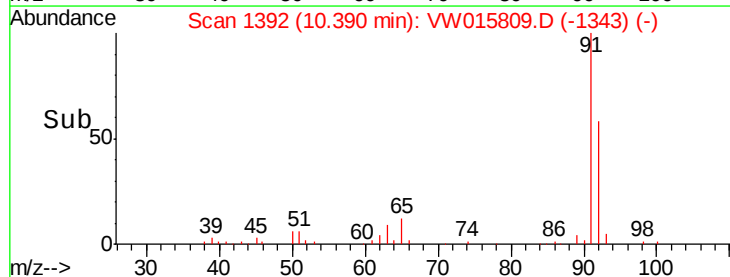
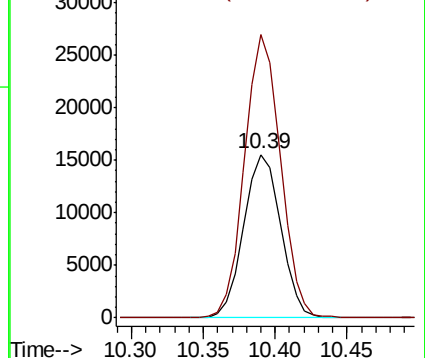
92 100

91 168.3 137.1 205.7



Abundance Ion 92.00 (91.70 to 92.70): VW

Ion 91.00 (90.70 to 91.70): VW

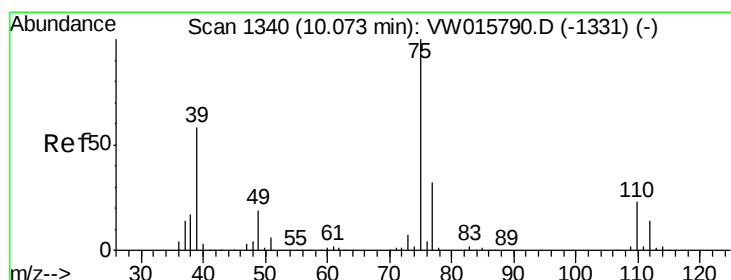
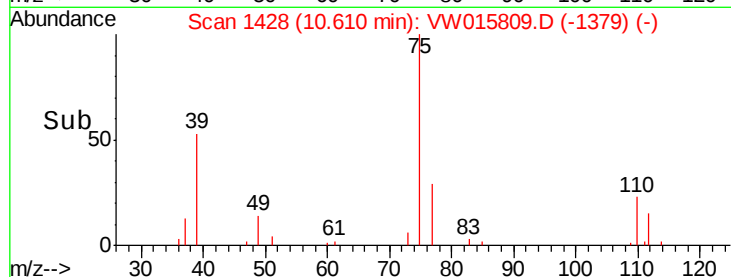
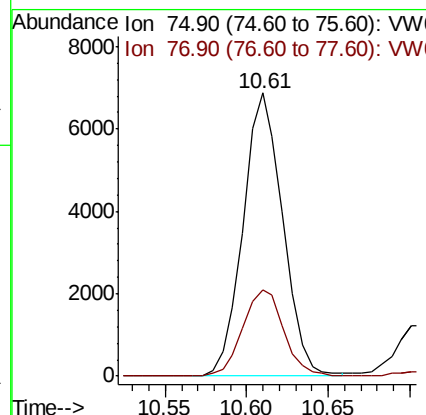
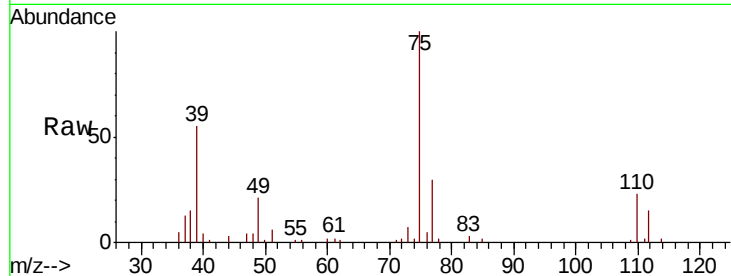




#53
 t-1,3-Dichloropropene
 Concen: 4.274 ug/l
 RT: 10.61 min Scan# 1428
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

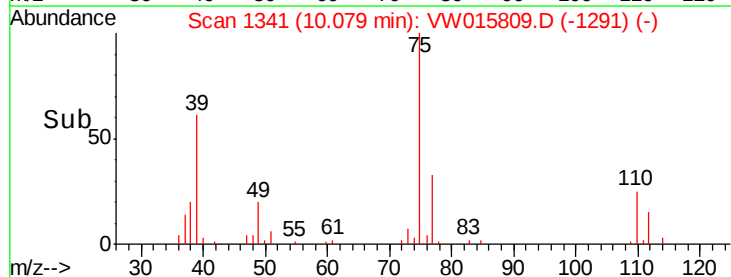
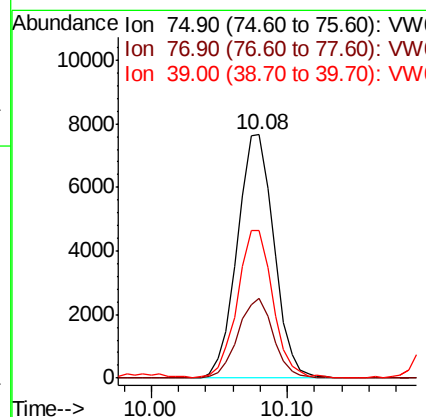
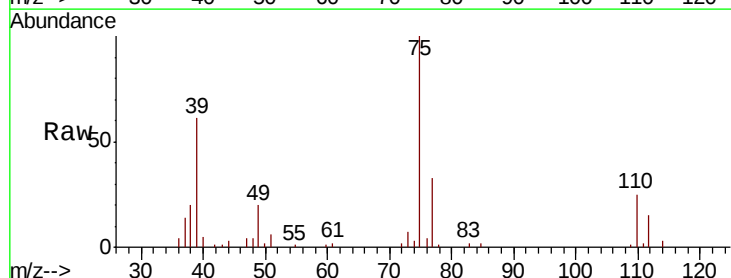
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

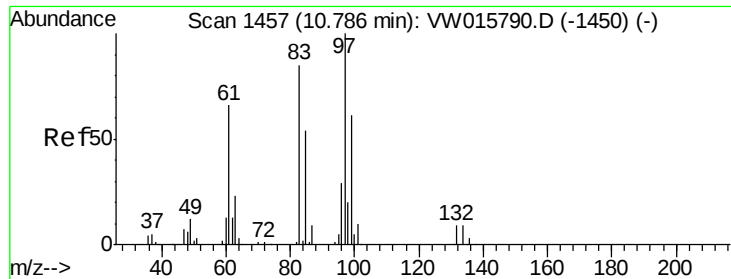
Tot Ion: 75 Resp: 11643
 Ion Ratio Lower Upper
 75 100
 77 30.5 25.4 38.0



#54
 cis-1,3-Dichloropropene
 Concen: 4.431 ug/l
 RT: 10.08 min Scan# 1341
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion: 75 Resp: 14440
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.2 37.8
 39 60.6 46.0 69.0

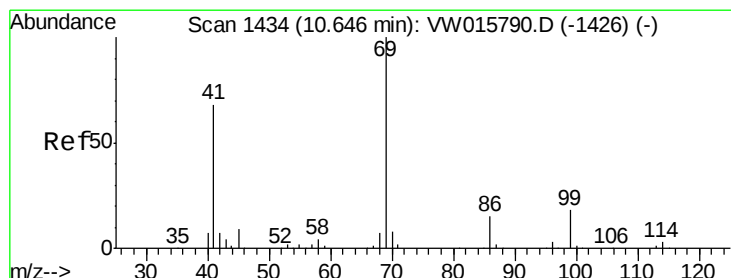
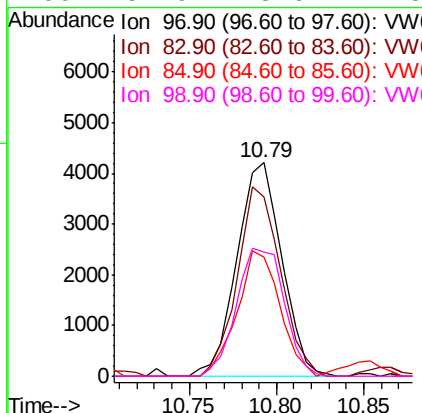
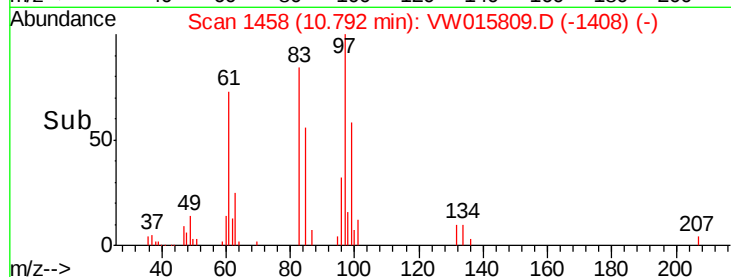
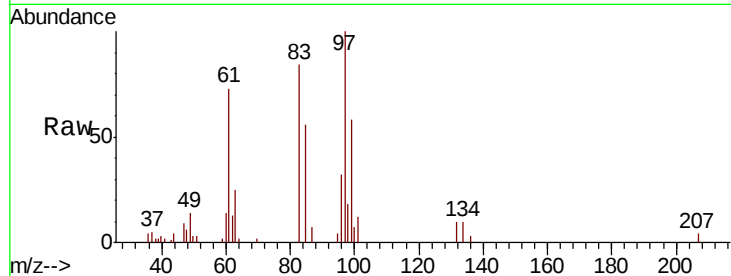




#55
 1,1,2-Trichloroethane
 Concen: 4.955 ug/l
 RT: 10.79 min Scan# 1458
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

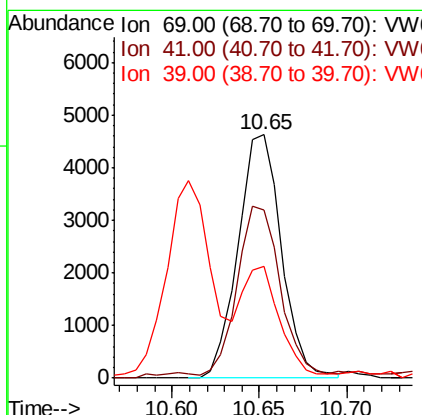
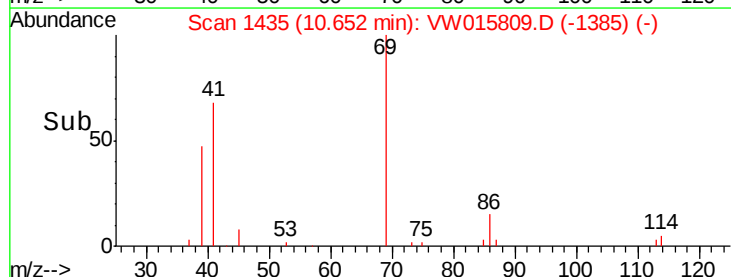
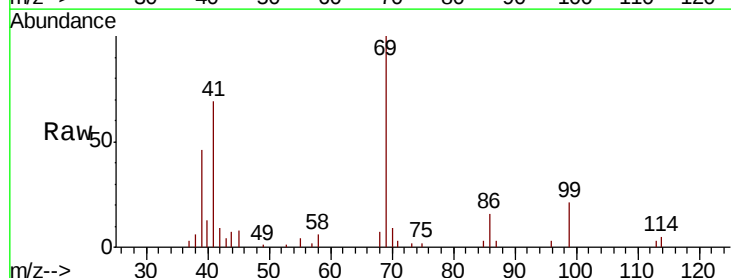
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

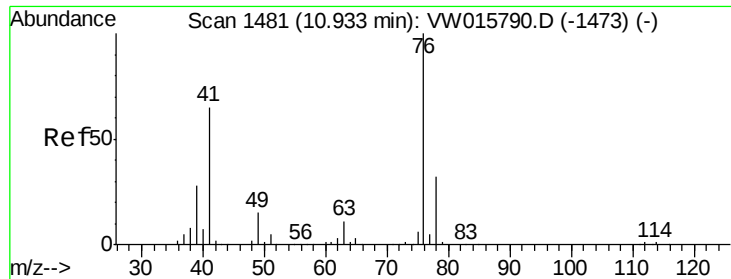
Tot Ion: 97 Resp: 7543
 Ion Ratio Lower Upper
 97 100
 83 83.9 68.2 102.4
 85 55.8 43.4 65.0
 99 57.9 48.6 72.8



#56
 Ethyl methacrylate
 Concen: 4.266 ug/l
 RT: 10.65 min Scan# 1435
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion: 69 Resp: 7983
 Ion Ratio Lower Upper
 69 100
 41 68.4 55.0 82.6
 39 40.3 33.8 50.8

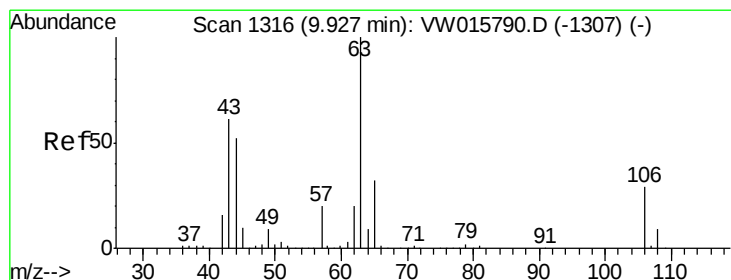
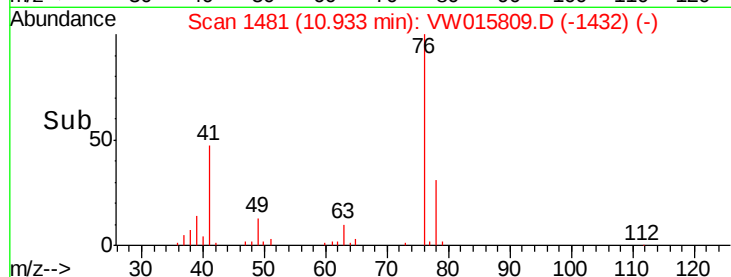
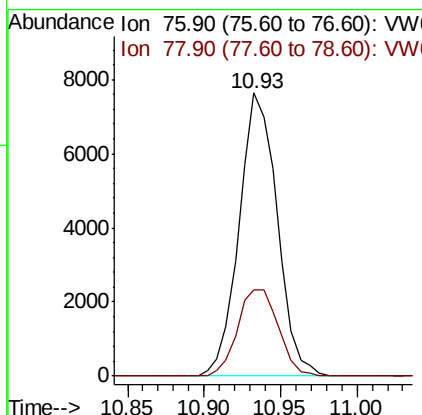
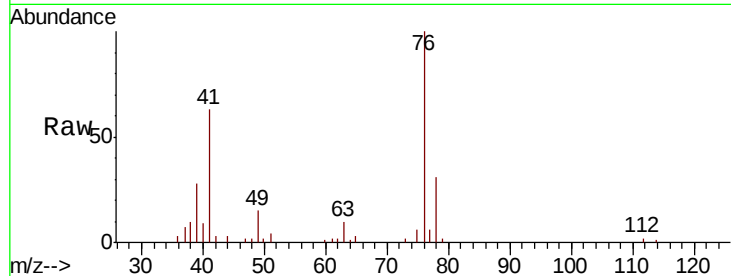




#57
 1,3-Dichloropropane
 Concen: 4.907 ug/l
 RT: 10.93 min Scan# 1481
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

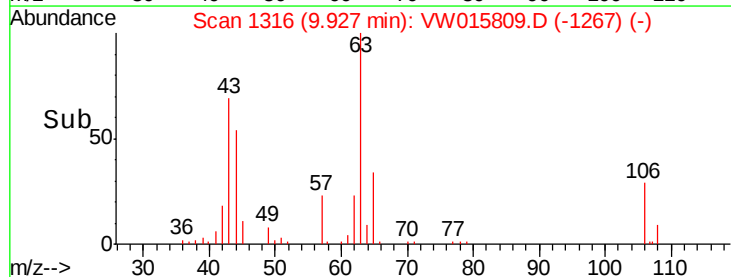
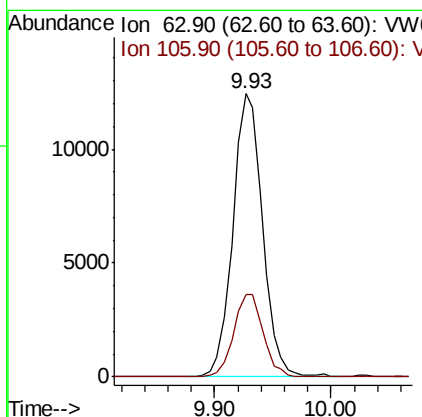
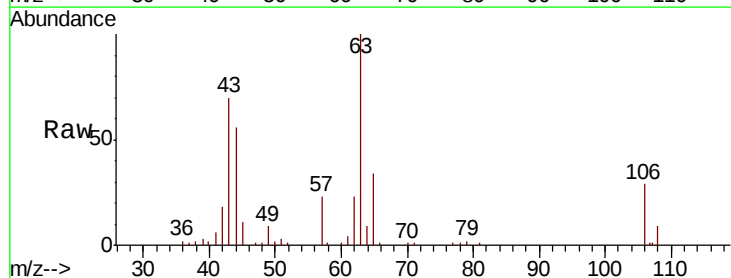
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

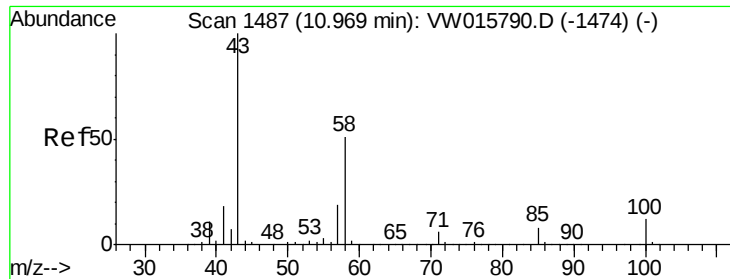
Tot Ion: 76 Resp: 13222
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.7 38.5



#58
 2-Chloroethyl Vinyl ether
 Concen: 24.125 ug/l
 RT: 9.93 min Scan# 1316
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion: 63 Resp: 22061
 Ion Ratio Lower Upper
 63 100
 106 28.9 23.1 34.7





#59

2-Hexanone

Concen: 23.251 ug/l

RT: 10.98 min Scan# 1488

Delta R.T. 0.01 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

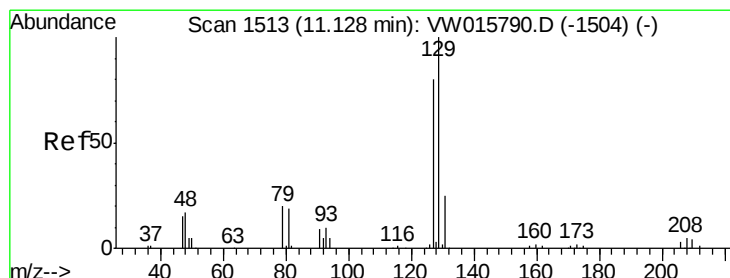
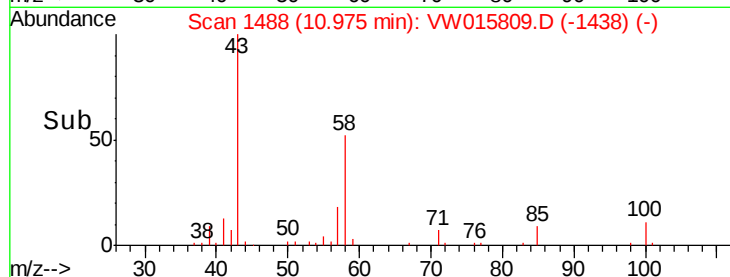
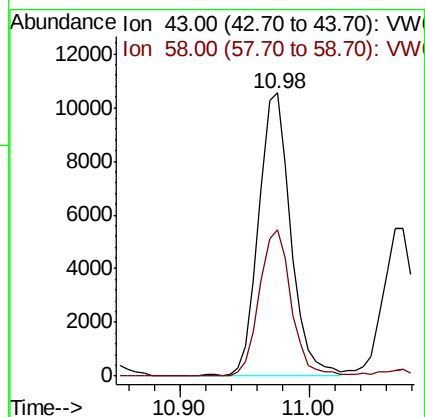
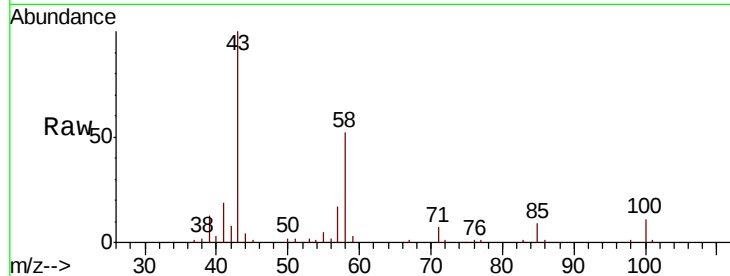
LOQ-SOIL-02-QT3-2020

Tot Ion: 43 Resp: 18187

Ion Ratio Lower Upper

43 100

58 51.4 26.2 78.5



#60

Dibromochloromethane

Concen: 4.248 ug/l

RT: 11.13 min Scan# 1514

Delta R.T. 0.01 min

Lab File: VW015809.D

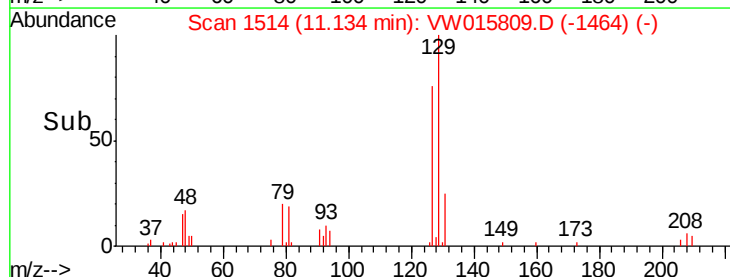
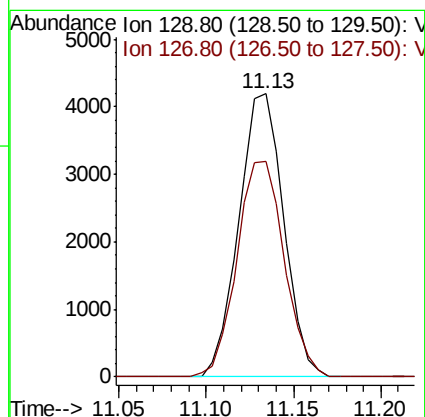
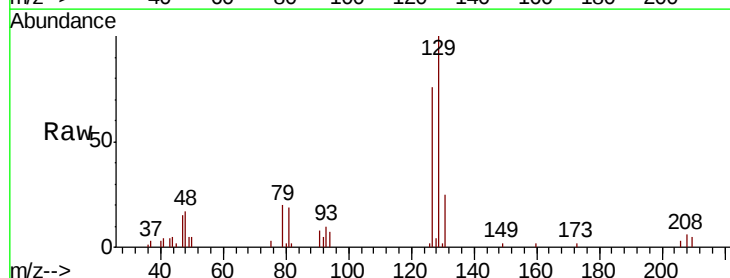
Acq: 08 Jul 2020 15:05

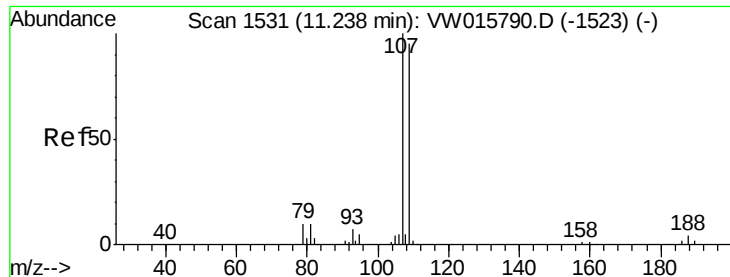
Tgt Ion: 129 Resp: 7468

Ion Ratio Lower Upper

129 100

127 80.5 39.4 118.1





#61

1,2-Dibromoethane

Concen: 4.745 ug/l

RT: 11.24 min Scan# 1531

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

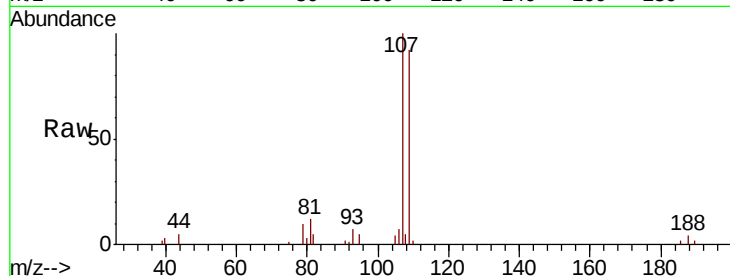
LOQ-SOIL-02-QT3-2020

Tot Ion: 107 Resp: 6912

Ion Ratio Lower Upper

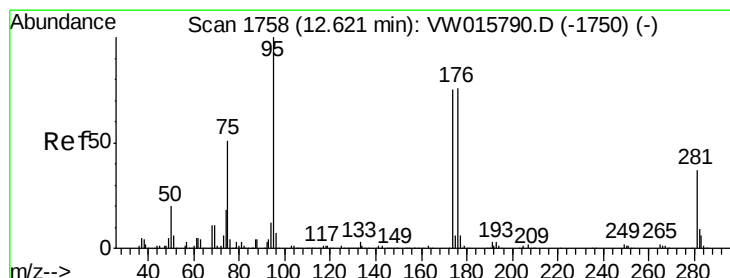
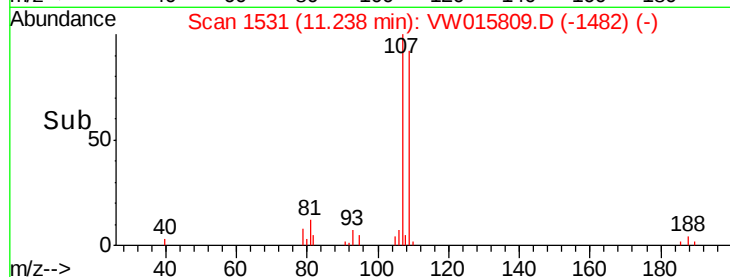
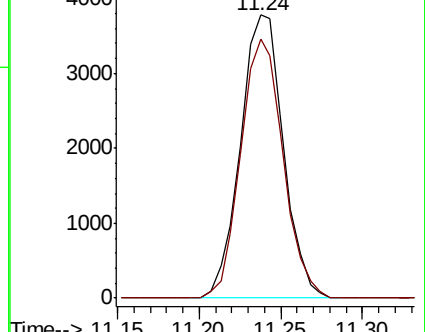
107 100

109 90.5 77.0 115.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.005 ug/l

RT: 12.62 min Scan# 1758

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

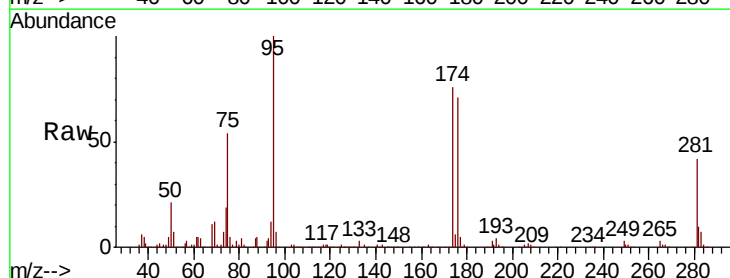
Tgt Ion: 95 Resp: 121538

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.2

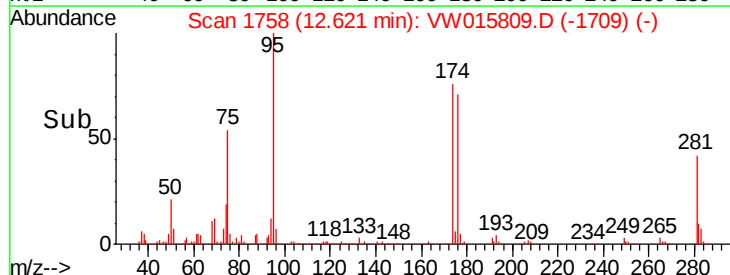
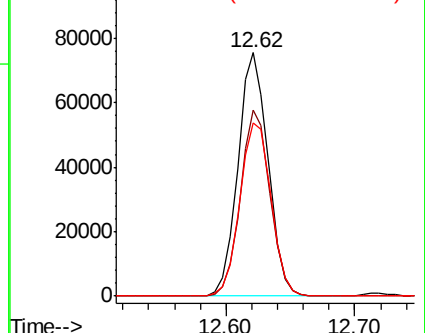
176 73.9 0.0 148.4

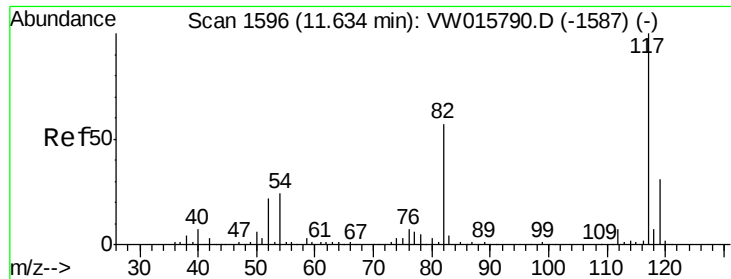


Abundance Ion 94.90 (94.60 to 95.60): VW

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

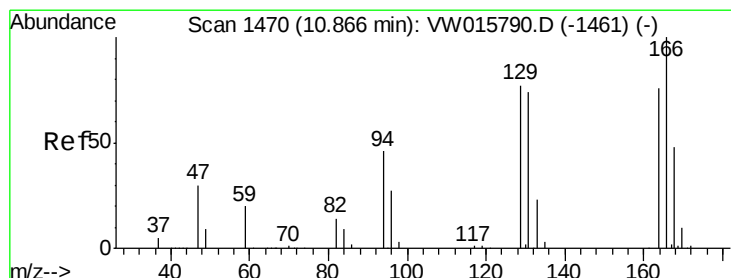
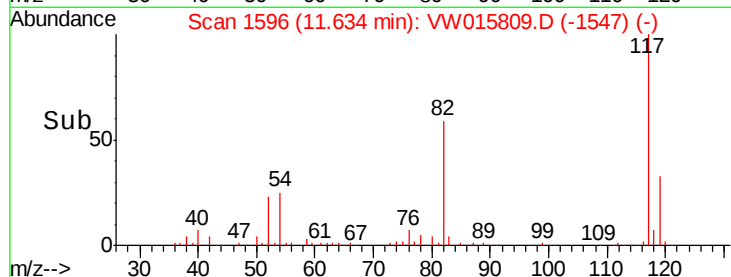
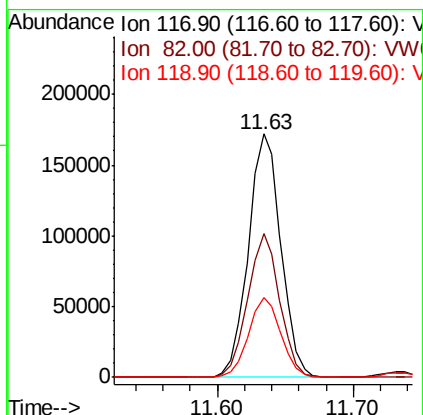
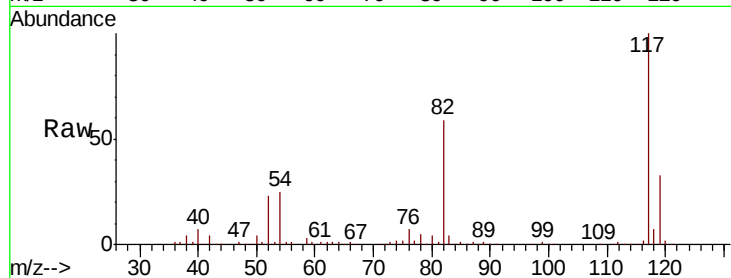




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

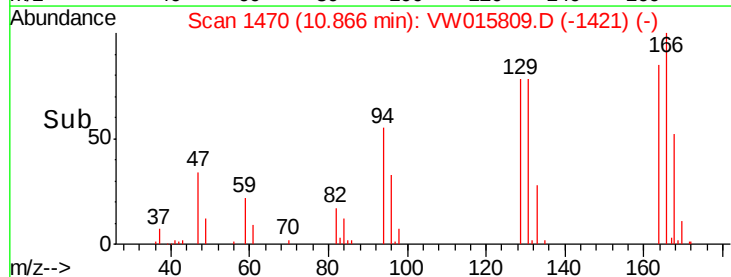
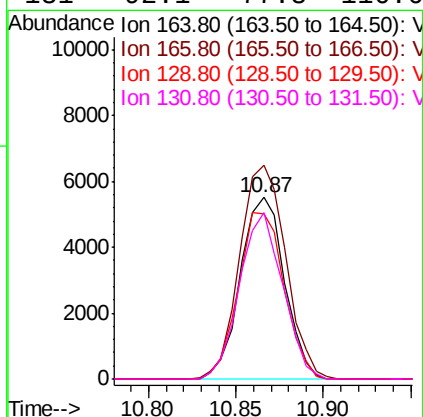
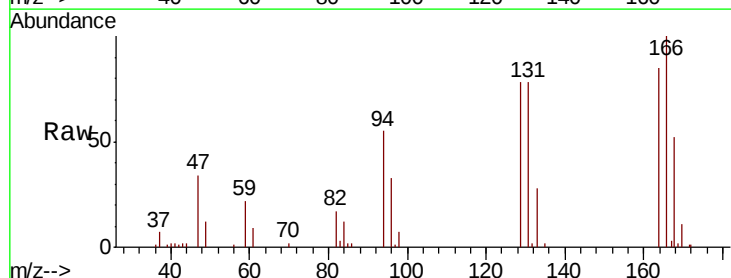
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

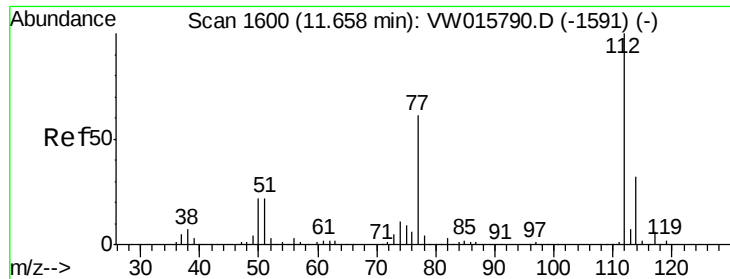
Tot Ion:117 Resp: 287670
Ion Ratio Lower Upper
117 100
82 58.9 45.5 68.3
119 32.9 25.0 37.6



#64
Tetrachloroethene
Concen: 5.311 ug/l
RT: 10.87 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion:164 Resp: 9669
Ion Ratio Lower Upper
164 100
166 117.9 105.1 157.7
129 91.5 80.6 121.0
131 92.1 77.8 116.6

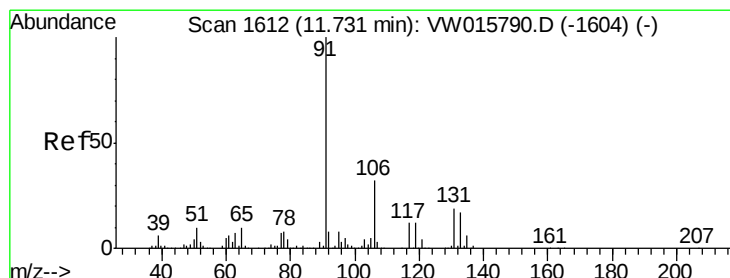
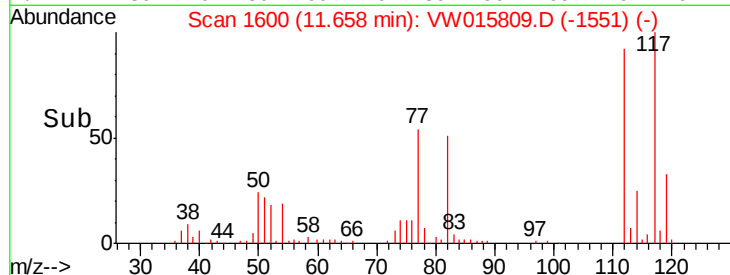
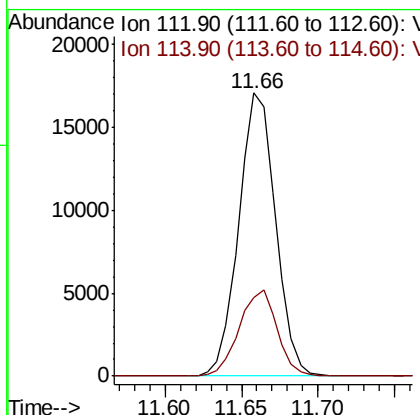
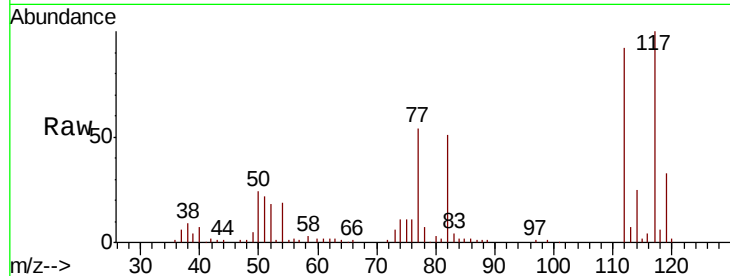




#65
Chlorobenzene
Concen: 5.081 ug/l
RT: 11.66 min Scan# 1600
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

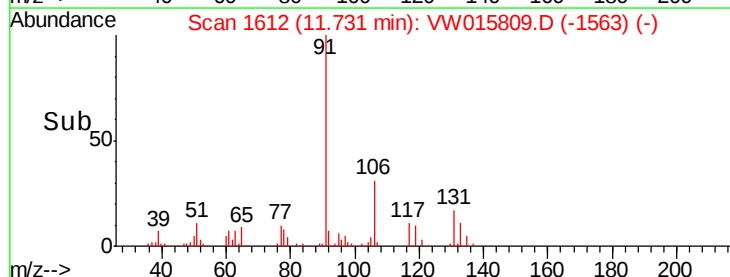
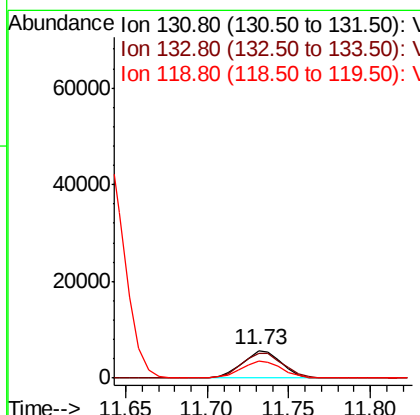
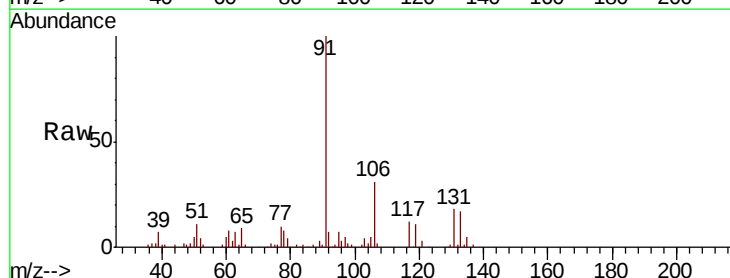
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

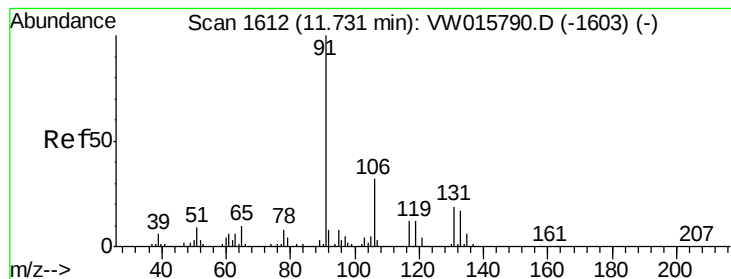
Tot Ion:112 Resp: 28586
Ion Ratio Lower Upper
112 100
114 27.6 25.9 38.9



#66
1,1,1,2-Tetrachloroethane
Concen: 4.727 ug/l
RT: 11.73 min Scan# 1612
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion:131 Resp: 9410
Ion Ratio Lower Upper
131 100
133 96.7 47.0 141.2
119 65.7 32.3 96.8





#67

Ethyl Benzene

Concen: 4.855 ug/l

RT: 11.73 min Scan# 1612

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

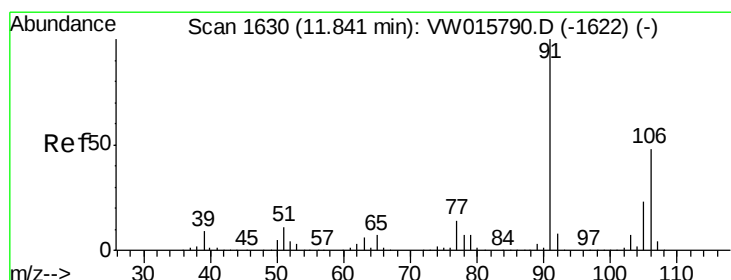
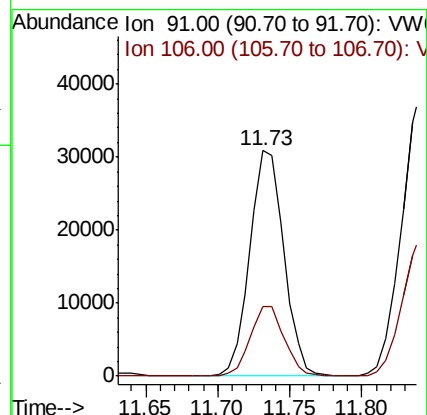
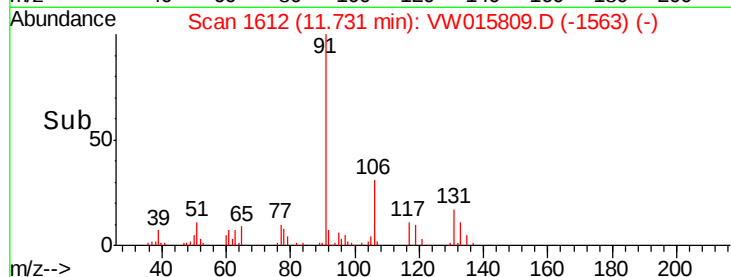
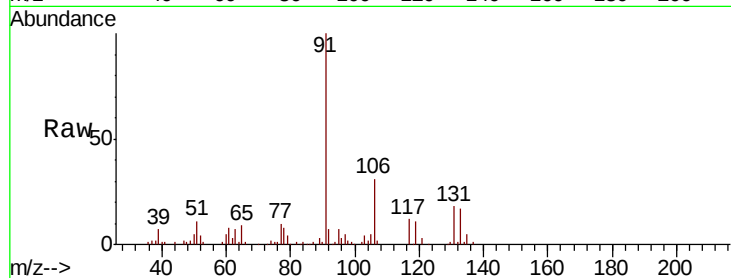
LOQ-SOIL-02-QT3-2020

Tot Ion: 91 Resp: 50580

Ion Ratio Lower Upper

91 100

106 30.8 25.8 38.8



#68

m/p-Xylenes

Concen: 9.201 ug/l

RT: 11.84 min Scan# 1630

Delta R.T. -0.00 min

Lab File: VW015809.D

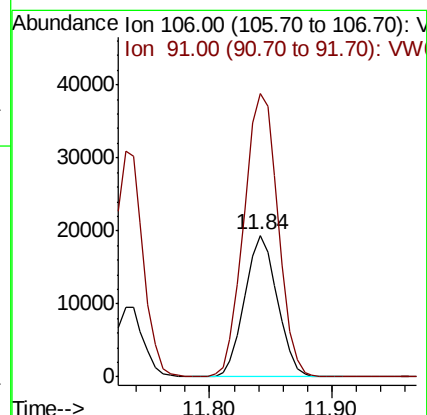
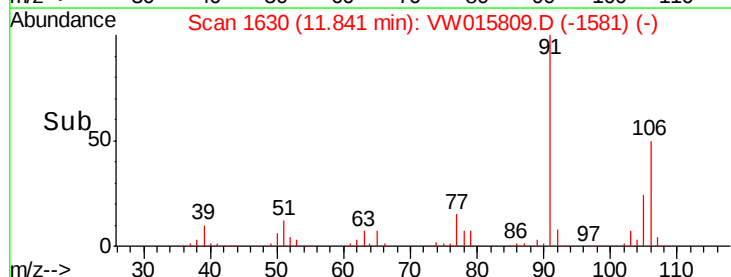
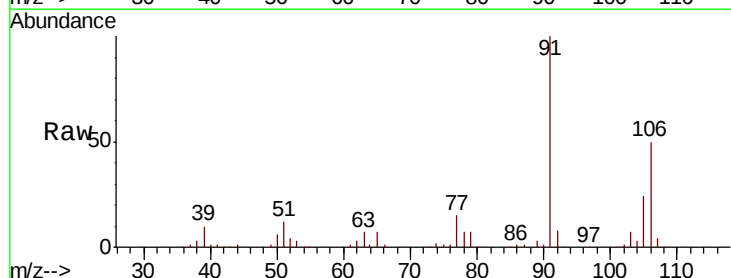
Acq: 08 Jul 2020 15:05

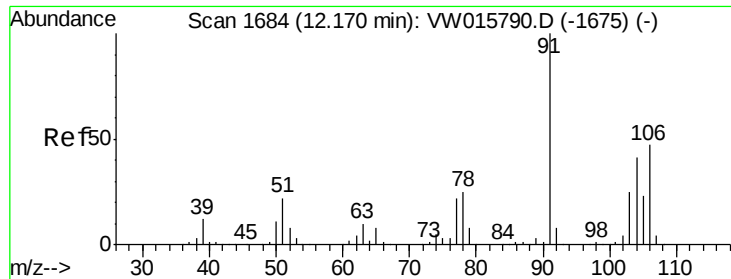
Tgt Ion: 106 Resp: 36010

Ion Ratio Lower Upper

106 100

91 209.5 164.1 246.1

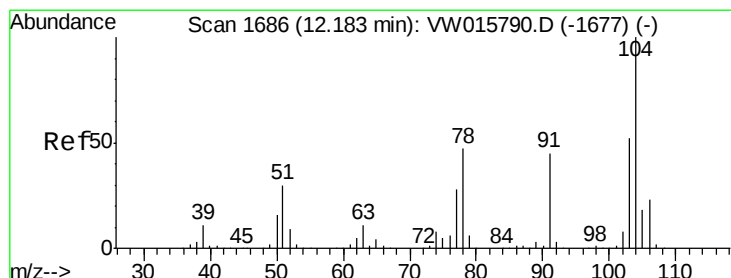
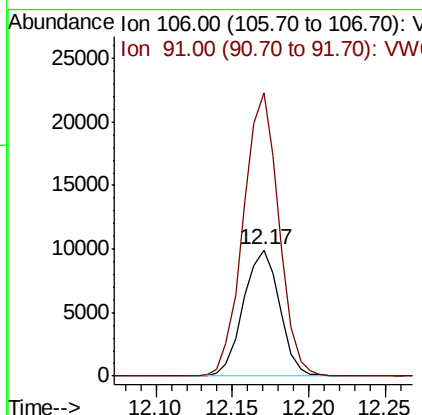
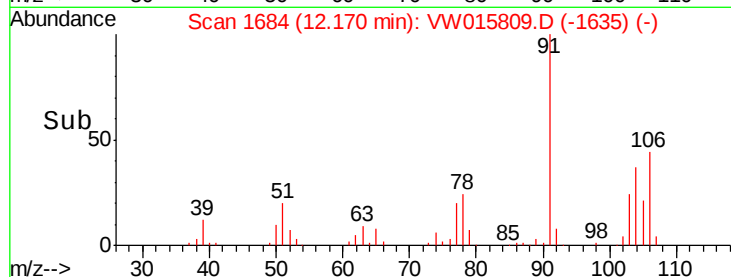
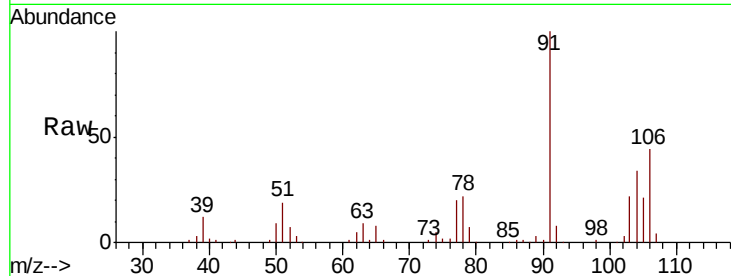




#69
o-Xylene
Concen: 4.590 ug/l
RT: 12.17 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

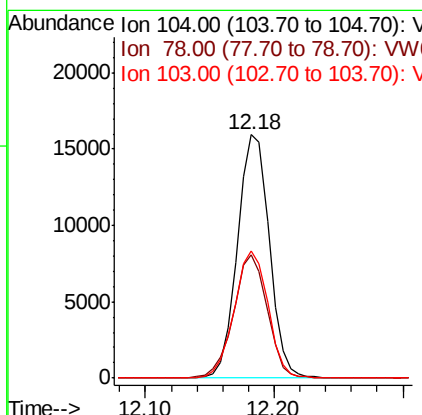
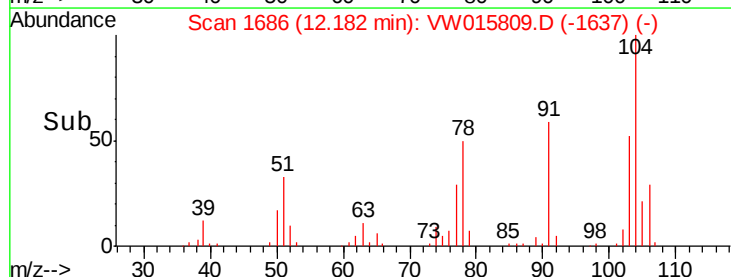
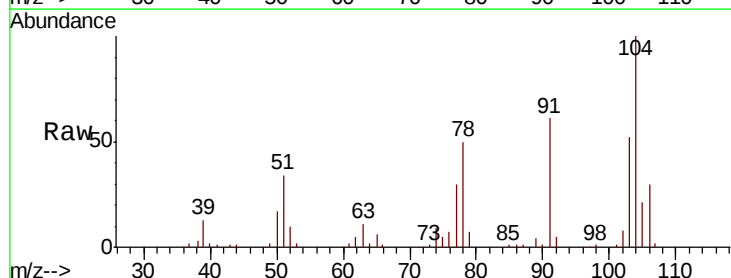
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

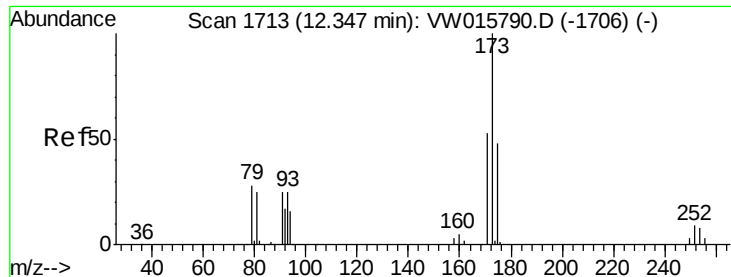
Tot Ion:106 Resp: 16395
Ion Ratio Lower Upper
106 100
91 219.5 108.5 325.3



#70
Styrene
Concen: 4.441 ug/l
RT: 12.18 min Scan# 1686
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion:104 Resp: 27296
Ion Ratio Lower Upper
104 100
78 53.8 41.0 61.4
103 55.6 43.8 65.8

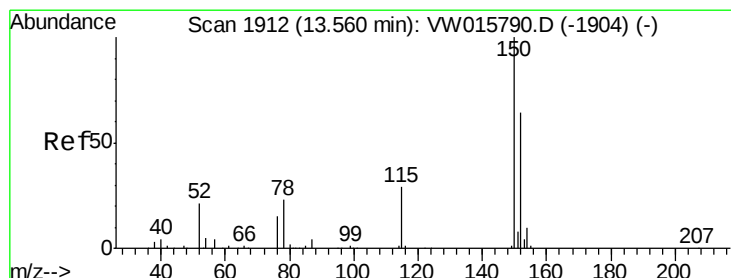
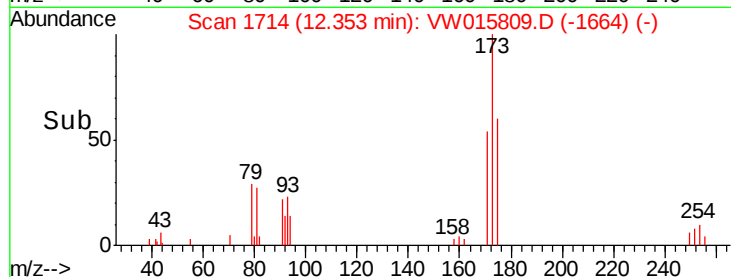
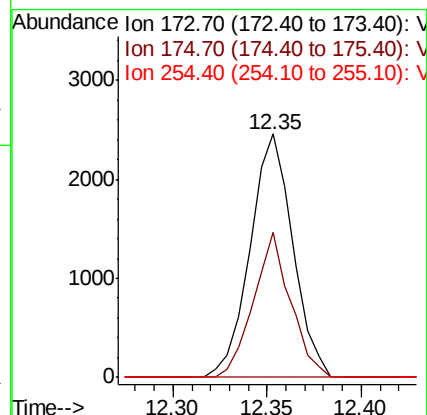
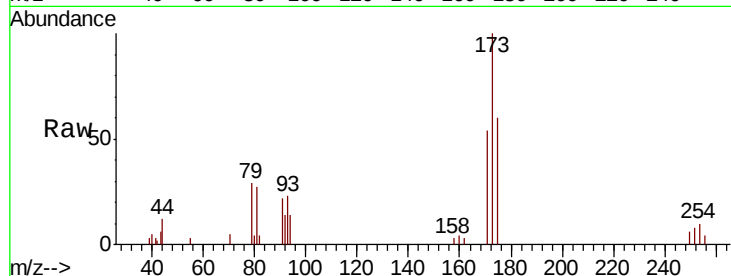




#71
Bromoform
Concen: 4.239 ug/l
RT: 12.35 min Scan# 1714
Delta R.T. 0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

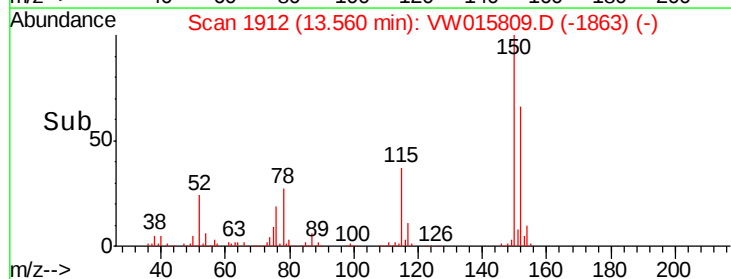
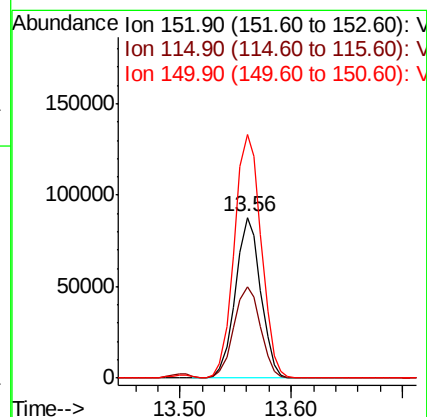
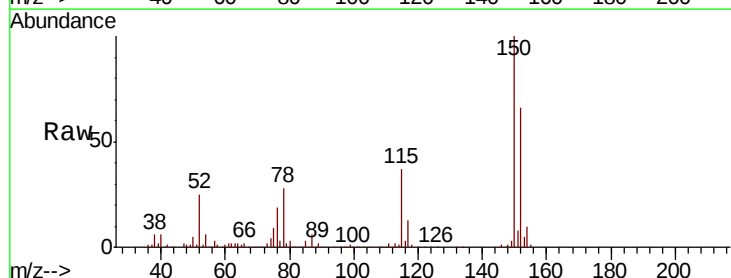
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

Tot Ion:173 Resp: 3852
Ion Ratio Lower Upper
173 100
175 51.8 23.5 70.5
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion:152 Resp: 137922
Ion Ratio Lower Upper
152 100
115 59.9 29.9 89.7
150 161.6 0.0 350.8





#73

Isopropylbenzene

Concen: 4.891 ug/l

RT: 12.47 min Scan# 1733

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

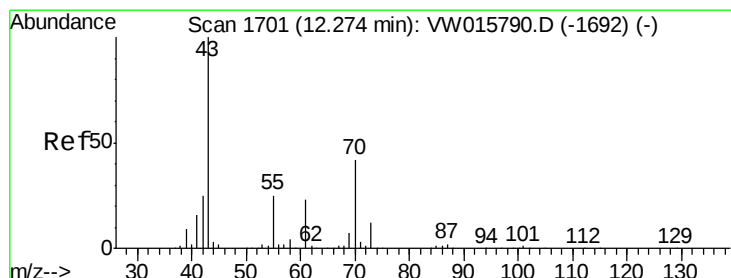
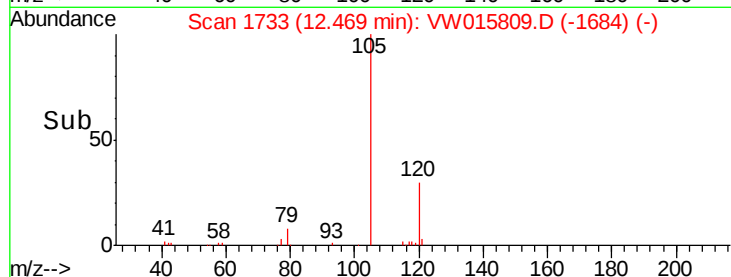
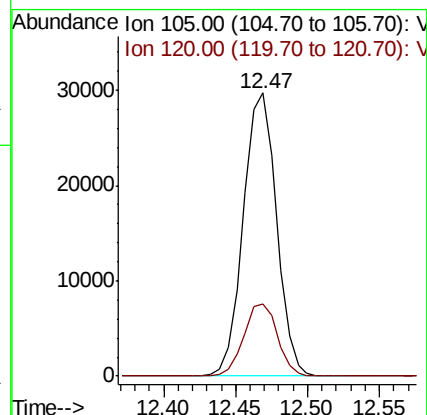
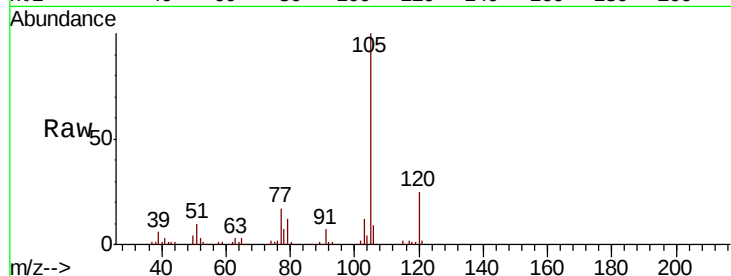
LOQ-SOIL-02-QT3-2020

Tot Ion:105 Resp: 47519

Ion Ratio Lower Upper

105 100

120 25.8 13.2 39.6



#74

N-ethyl acetate

Concen: 4.609 ug/l

RT: 12.27 min Scan# 1701

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Tgt Ion: 43 Resp: 9582

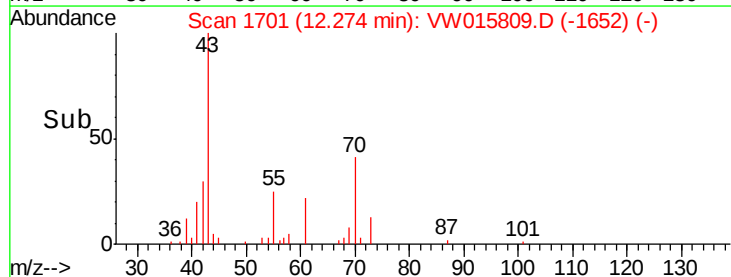
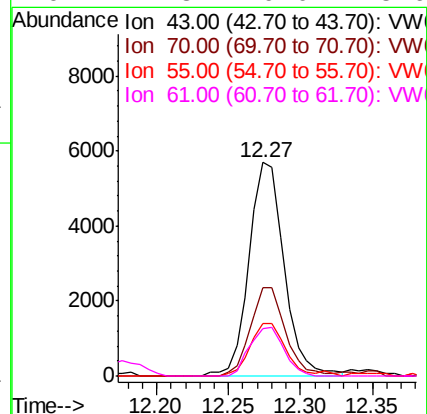
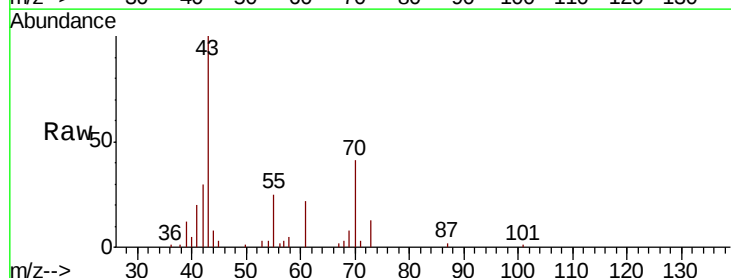
Ion Ratio Lower Upper

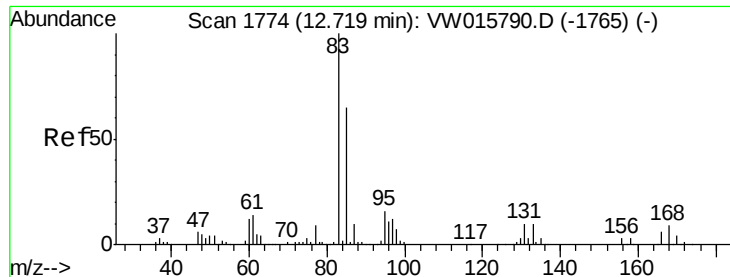
43 100

70 41.2 34.1 51.1

55 24.5 20.0 30.0

61 22.3 19.0 28.6





#75

1,1,2,2-Tetrachloroethane

Concen: 5.205 ug/l

RT: 12.72 min Scan# 1774

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

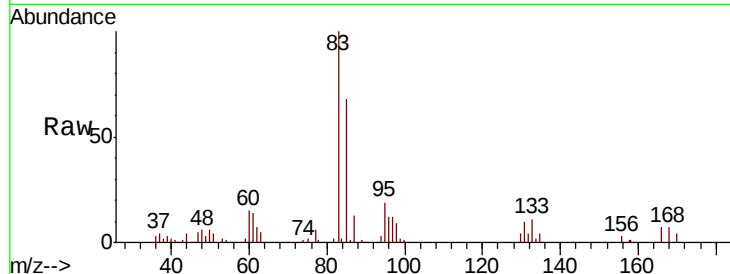
Tot Ion: 83 Resp: 8404

Ion Ratio Lower Upper

83 100

131 9.5 5.3 16.1

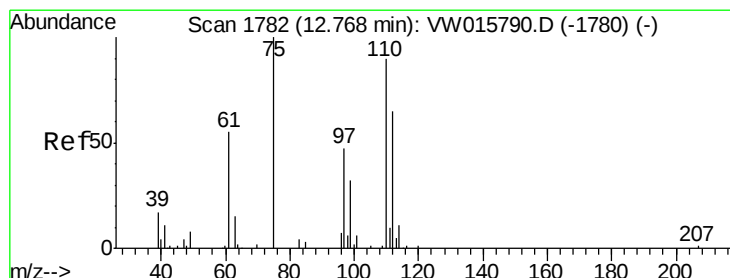
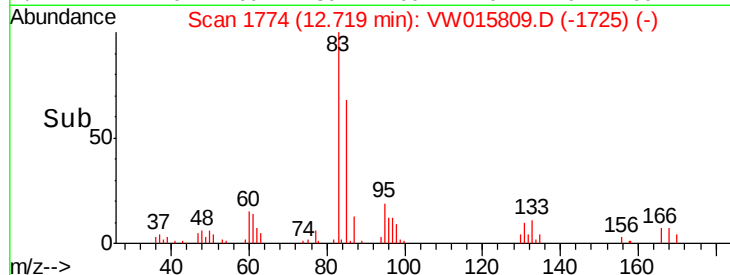
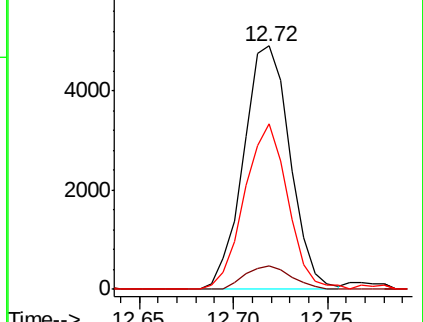
85 63.3 31.9 95.9



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: 8.583 ug/l

RT: 12.77 min Scan# 1783

Delta R.T. 0.01 min

Lab File: VW015809.D

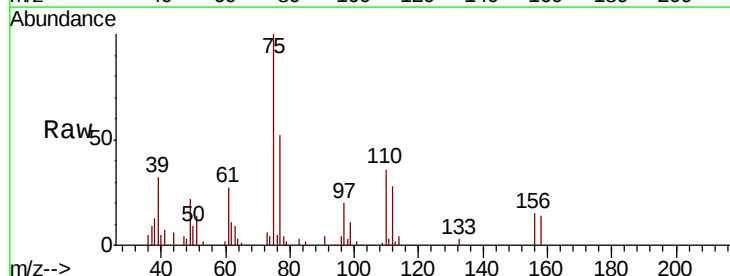
Acq: 08 Jul 2020 15:05

Tgt Ion: 75 Resp: 10404

Ion Ratio Lower Upper

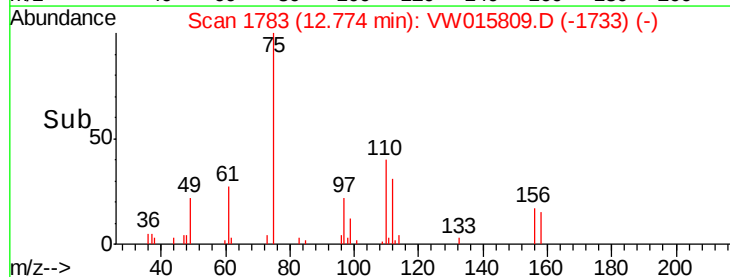
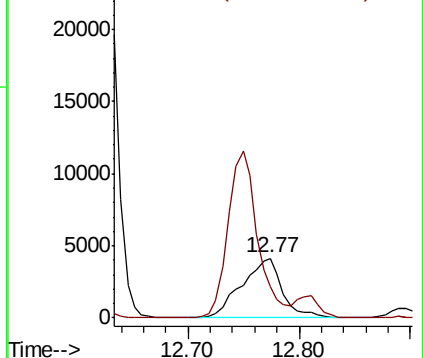
75 100

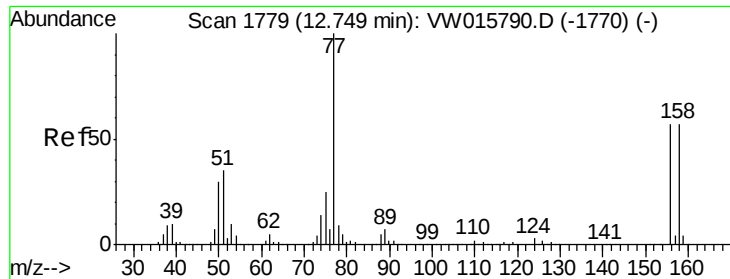
77 0.0 177.3 532.0#



Abundance Ion 74.90 (74.60 to 75.60): VW

Ion 77.00 (76.70 to 77.70): VW





#77

Bromobenzene

Concen: 4.998 ug/l

RT: 12.75 min Scan# 1779

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

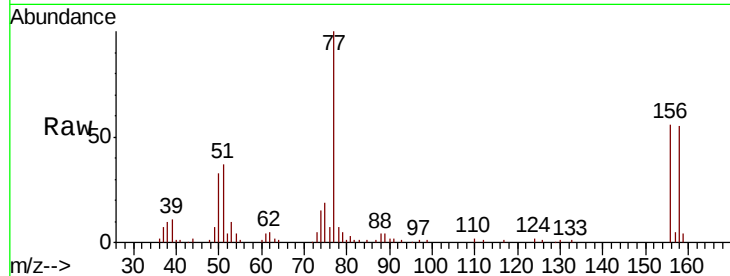
Tot Ion:156 Resp: 10890

Ion Ratio Lower Upper

156 100

77 198.0 98.8 296.4

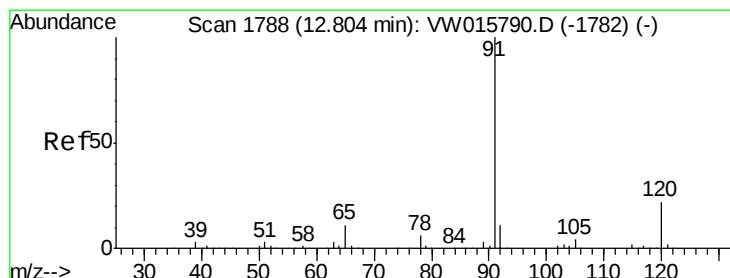
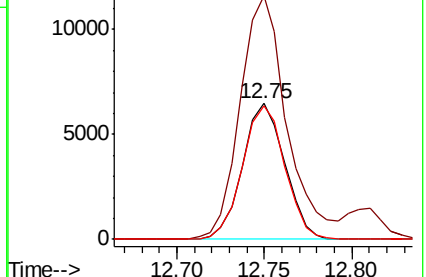
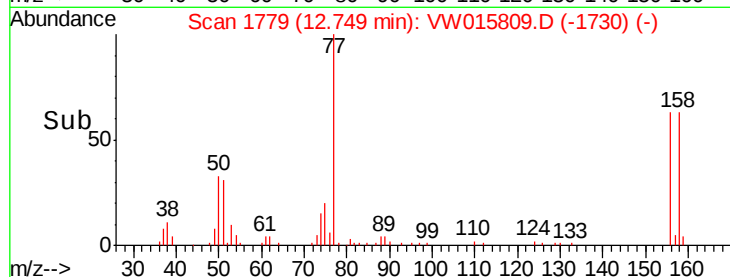
158 98.3 50.0 149.8



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: 4.907 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW015809.D

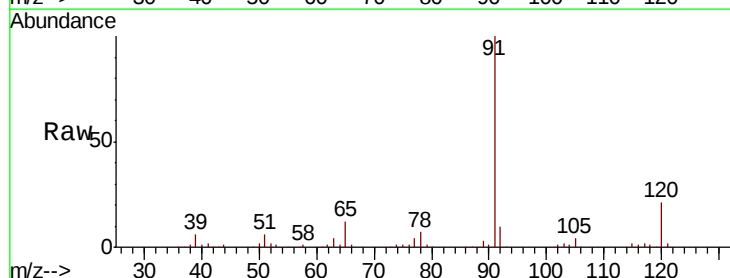
Acq: 08 Jul 2020 15:05

Tgt Ion: 91 Resp: 57878

Ion Ratio Lower Upper

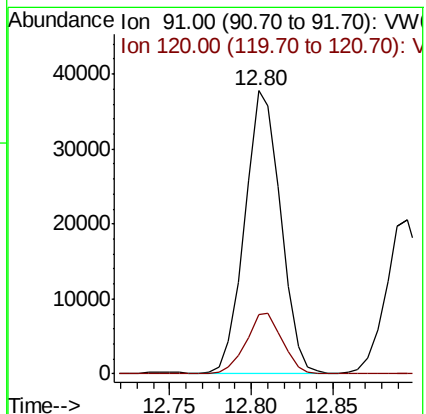
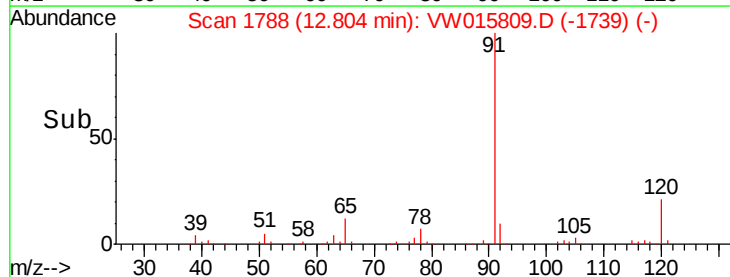
91 100

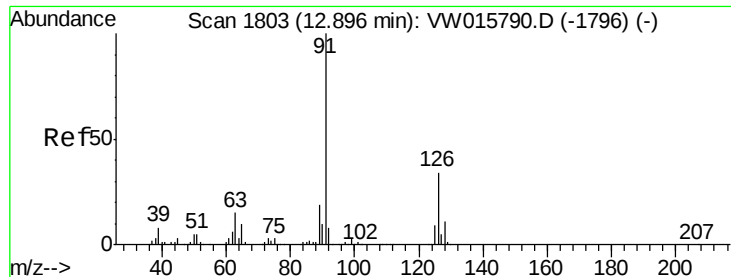
120 21.8 11.2 33.6



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.993 ug/l

RT: 12.90 min Scan# 1803

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

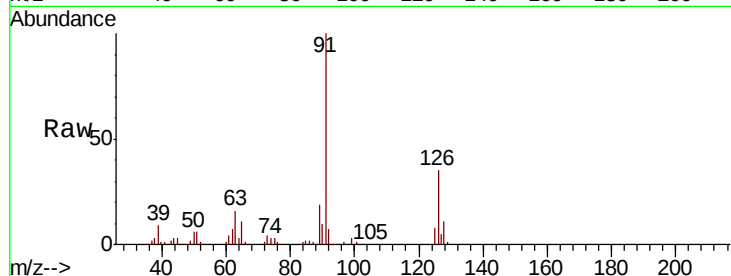
LOQ-SOIL-02-QT3-2020

Tot Ion: 91 Resp: 33582

Ion Ratio Lower Upper

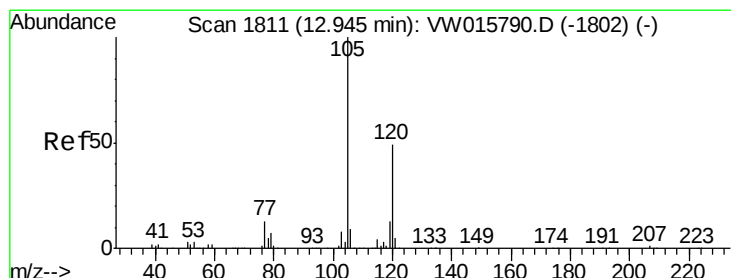
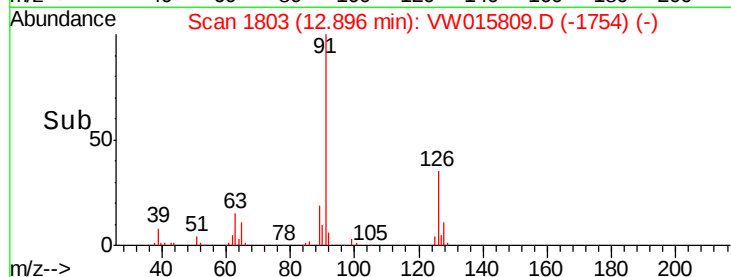
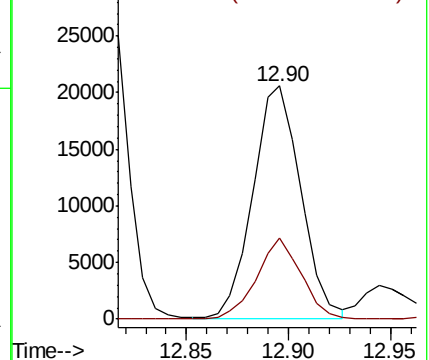
91 100

126 32.2 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 4.829 ug/l

RT: 12.94 min Scan# 1811

Delta R.T. -0.00 min

Lab File: VW015809.D

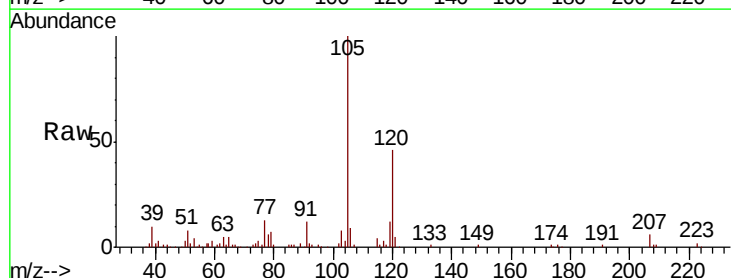
Acq: 08 Jul 2020 15:05

Tgt Ion:105 Resp: 39993

Ion Ratio Lower Upper

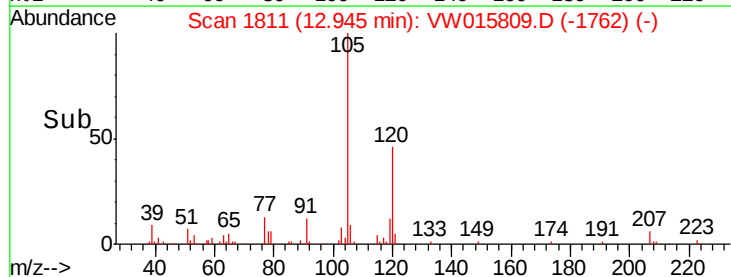
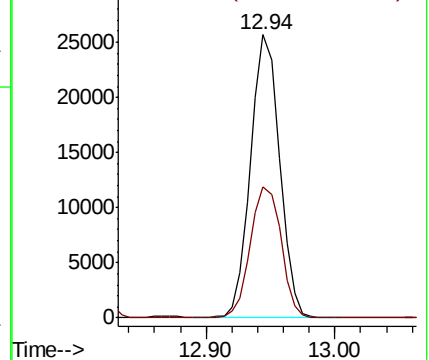
105 100

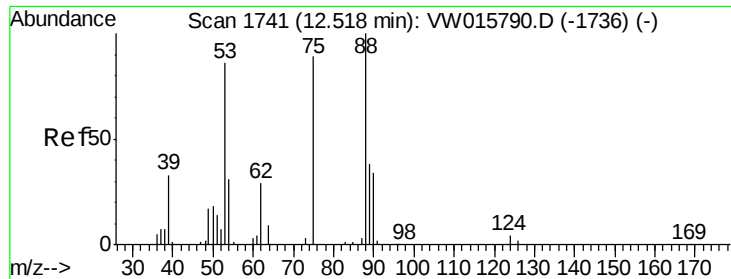
120 48.9 25.1 75.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 4.264 ug/l

RT: 12.51 min Scan# 1740

Delta R.T. -0.01 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

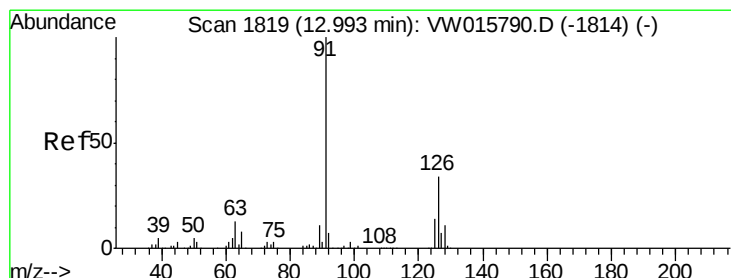
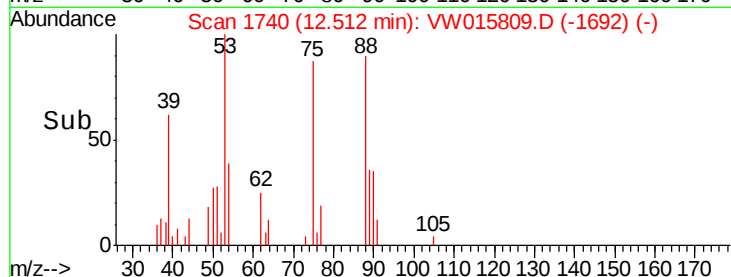
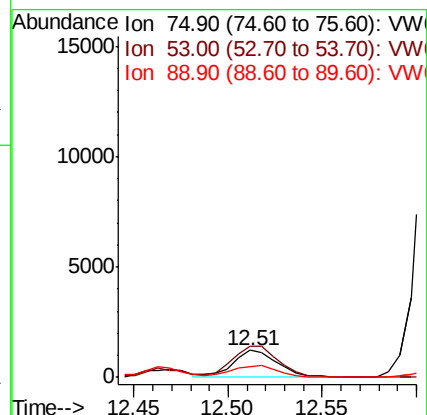
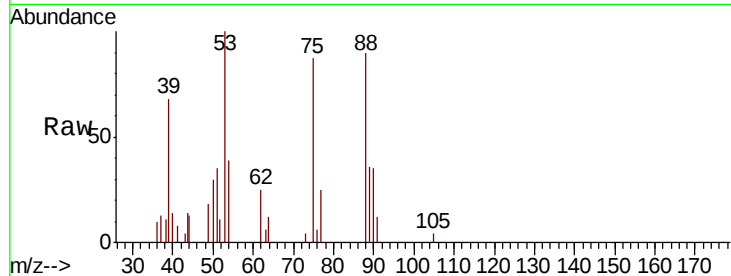
Tot Ion: 75 Resp: 2022

Ion Ratio Lower Upper

75 100

53 119.9 85.9 128.9

89 44.5 36.2 54.4



#82

4-Chlorotoluene

Concen: 5.021 ug/l

RT: 12.99 min Scan# 1819

Delta R.T. -0.00 min

Lab File: VW015809.D

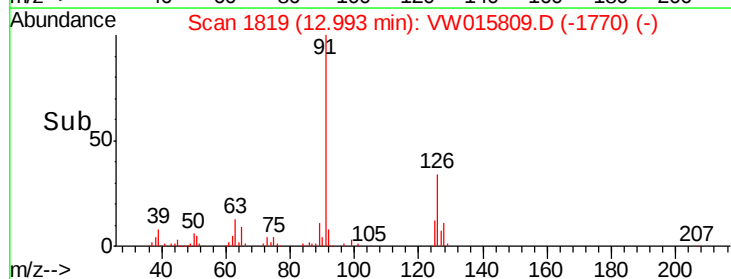
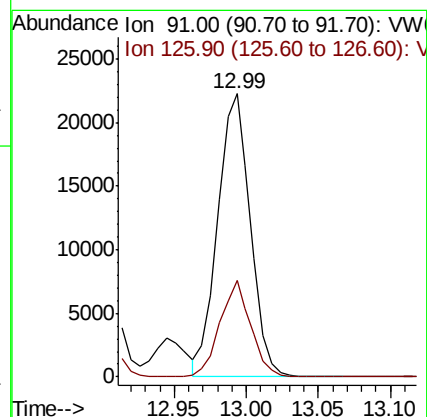
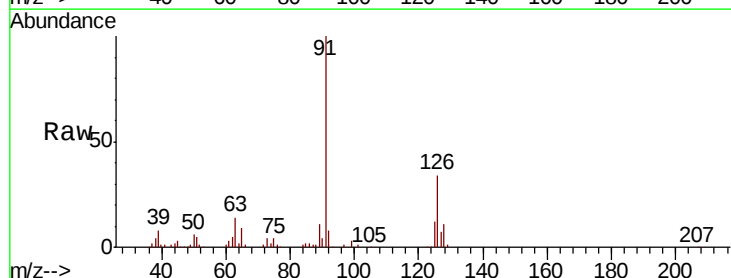
Acq: 08 Jul 2020 15:05

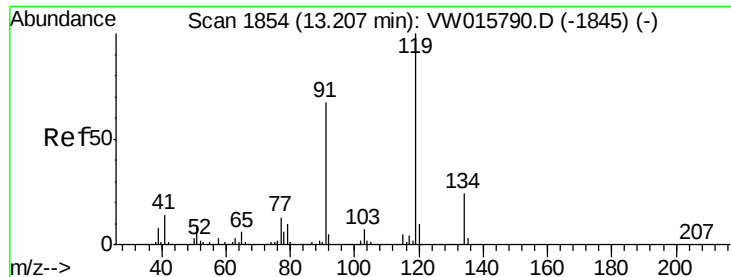
Tgt Ion: 91 Resp: 35264

Ion Ratio Lower Upper

91 100

126 32.1 16.3 48.9

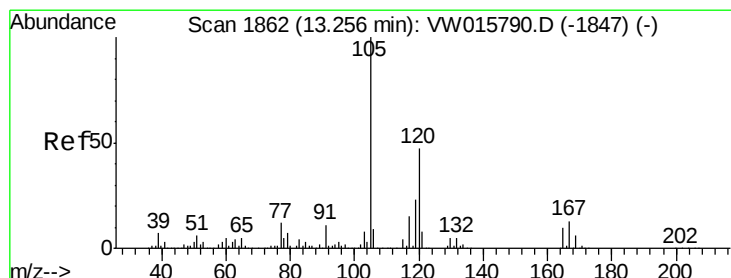
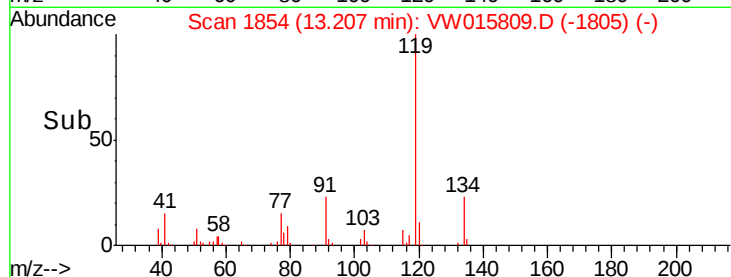
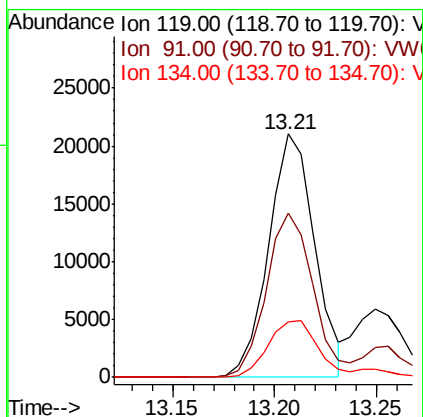
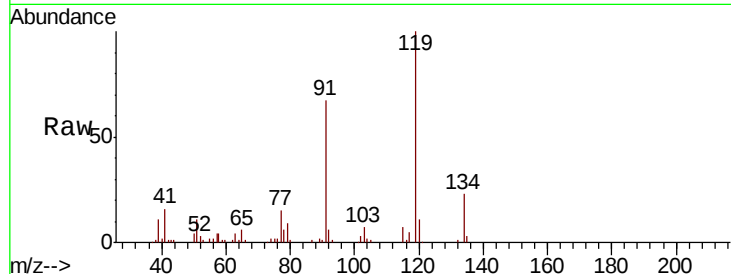




#83
tert-Butylbenzene
Concen: 4.820 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

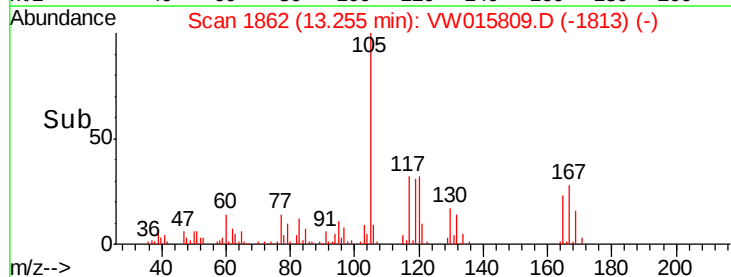
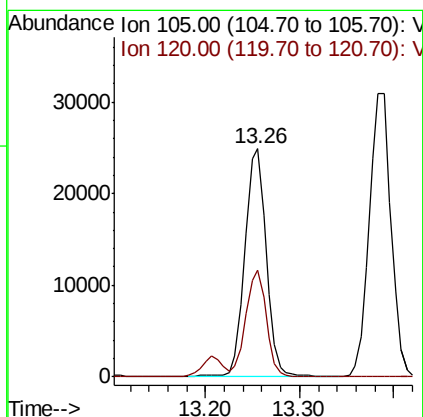
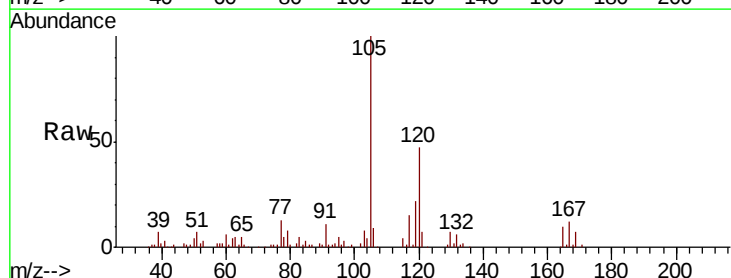
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT3-2020

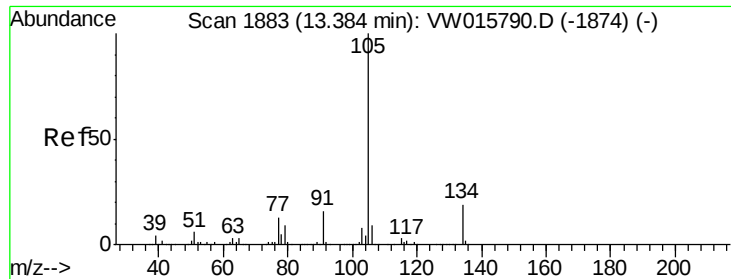
Tot Ion:119 Resp: 33137
Ion Ratio Lower Upper
119 100
91 69.1 34.4 103.3
134 25.1 13.6 40.7



#84
1,2,4-Trimethylbenzene
Concen: 4.811 ug/l
RT: 13.26 min Scan# 1862
Delta R.T. -0.00 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion:105 Resp: 39785
Ion Ratio Lower Upper
105 100
120 44.7 22.8 68.4





#85

sec-Butylbenzene

Concen: 4.991 ug/l

RT: 13.39 min Scan# 1884

Delta R.T. 0.01 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

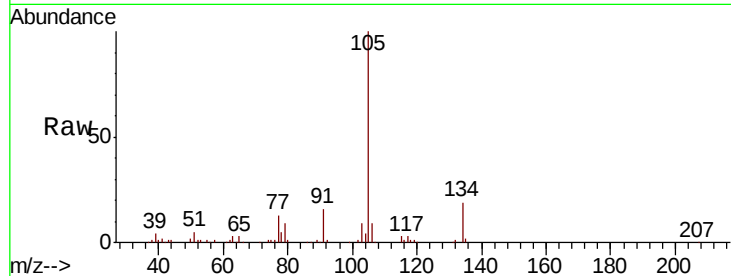
LOQ-SOIL-02-QT3-2020

Tot Ion:105 Resp: 49552

Ion Ratio Lower Upper

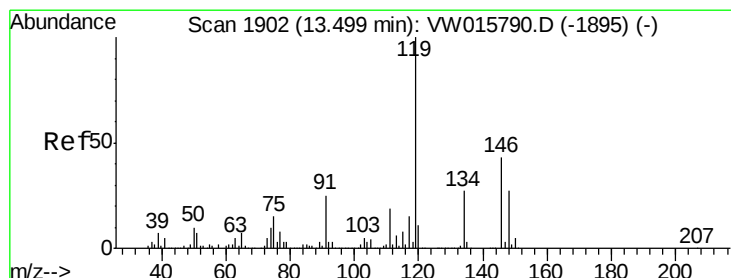
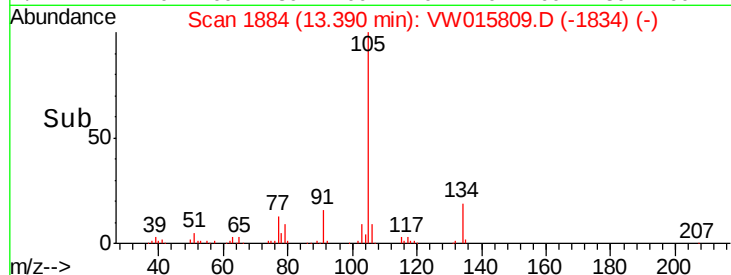
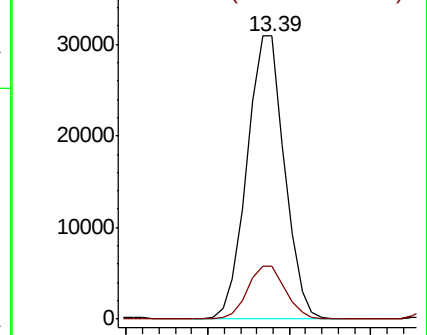
105 100

134 18.9 10.0 29.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 4.791 ug/l

RT: 13.50 min Scan# 1902

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

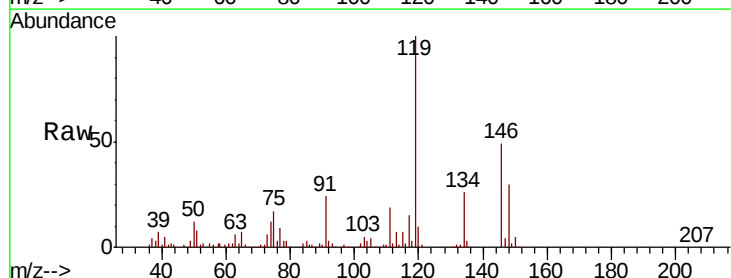
Tgt Ion:119 Resp: 43442

Ion Ratio Lower Upper

119 100

134 24.8 13.2 39.6

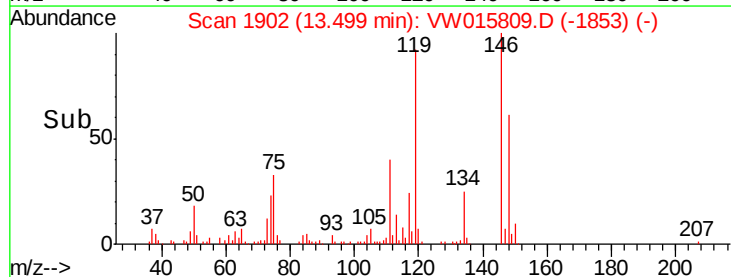
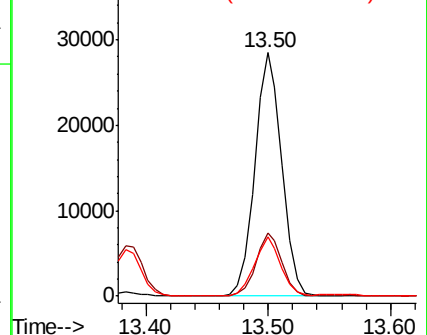
91 23.6 12.2 36.6

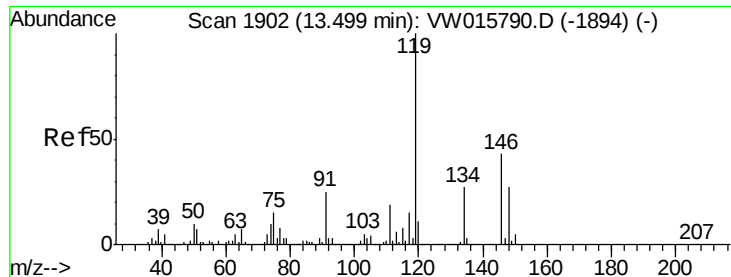


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

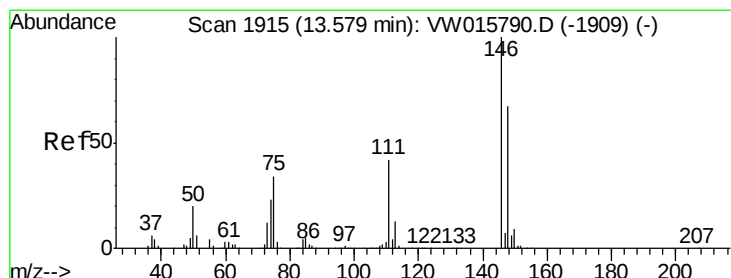
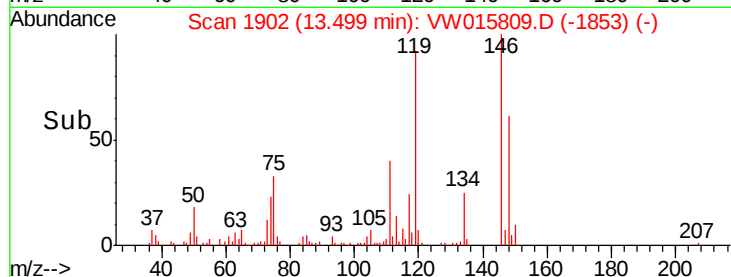
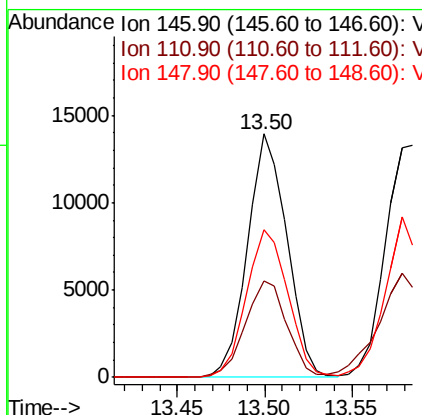
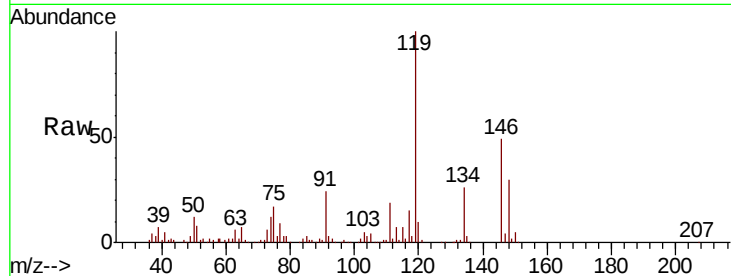




#87
 1,3-Dichlorobenzene
 Concen: 5.012 ug/l
 RT: 13.50 min Scan# 1902
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

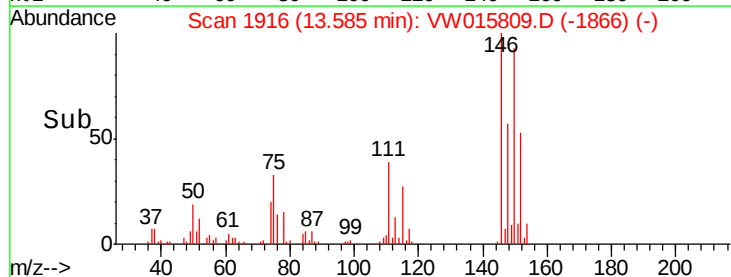
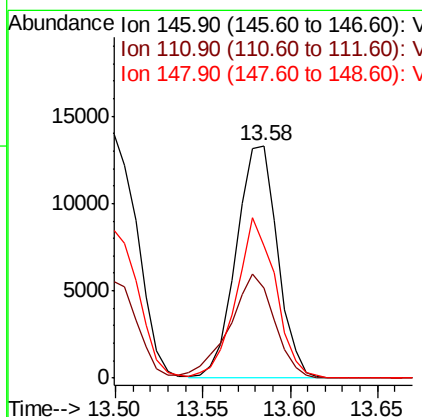
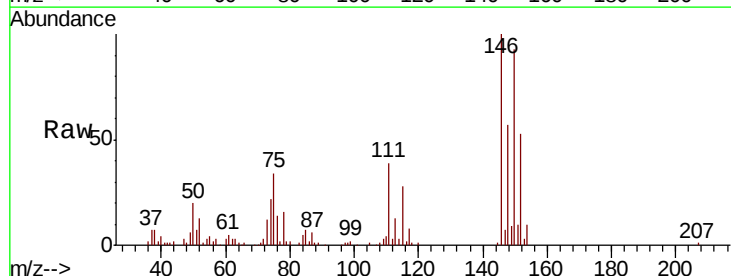
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

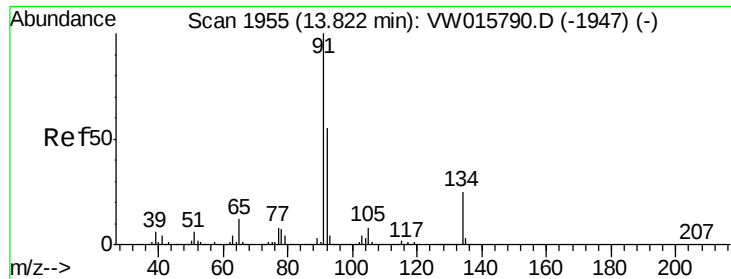
Tot Ion:146 Resp: 21891
 Ion Ratio Lower Upper
 146 100
 111 41.9 20.8 62.4
 148 63.6 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 5.112 ug/l
 RT: 13.58 min Scan# 1916
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion:146 Resp: 21858
 Ion Ratio Lower Upper
 146 100
 111 48.9 20.2 60.6
 148 65.6 31.8 95.4





#89

n-Butylbenzene

Concen: 4.820 ug/l

RT: 13.83 min Scan# 1956

Delta R.T. 0.01 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

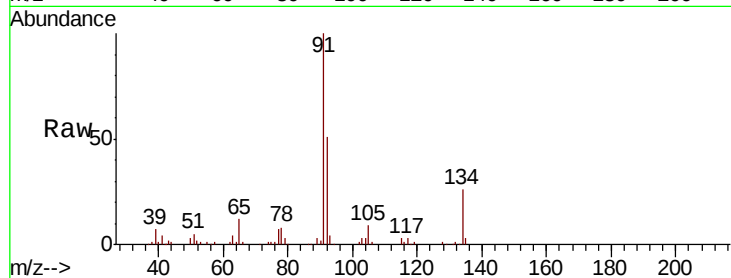
Tot Ion: 91 Resp: 41819

Ion Ratio Lower Upper

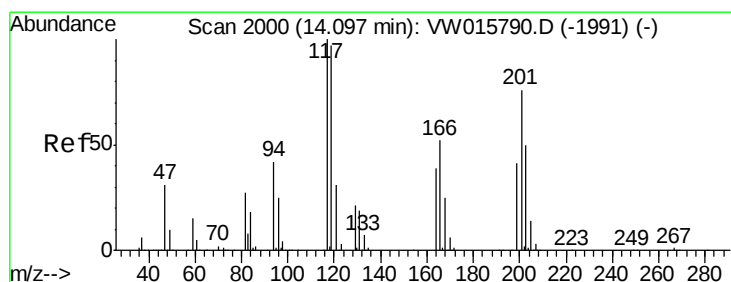
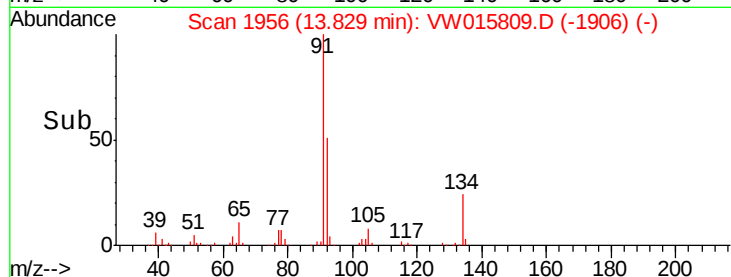
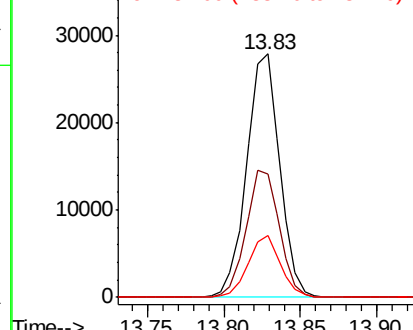
91 100

92 52.5 27.2 81.6

134 24.7 12.7 38.1



Abundance Ion 91.00 (90.70 to 91.70): VW
Ion 92.00 (91.70 to 92.70): VW
Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 4.771 ug/l

RT: 14.10 min Scan# 2000

Delta R.T. -0.00 min

Lab File: VW015809.D

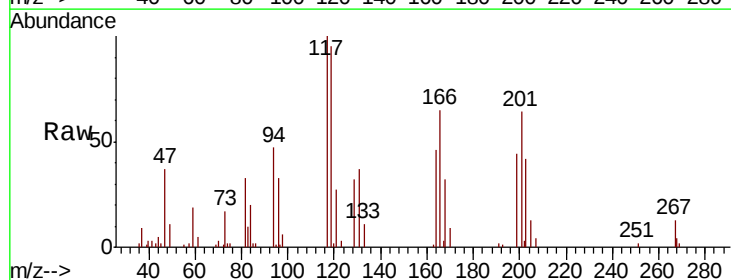
Acq: 08 Jul 2020 15:05

Tgt Ion: 117 Resp: 7840

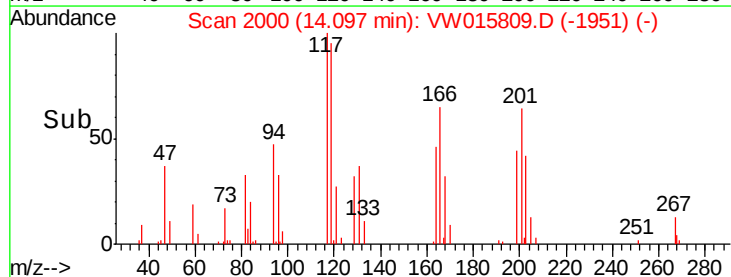
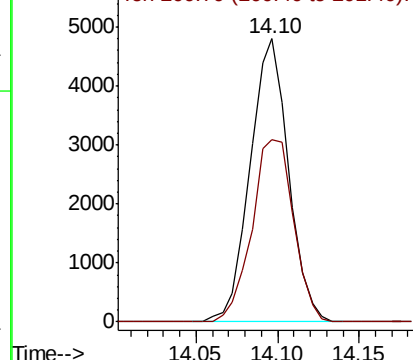
Ion Ratio Lower Upper

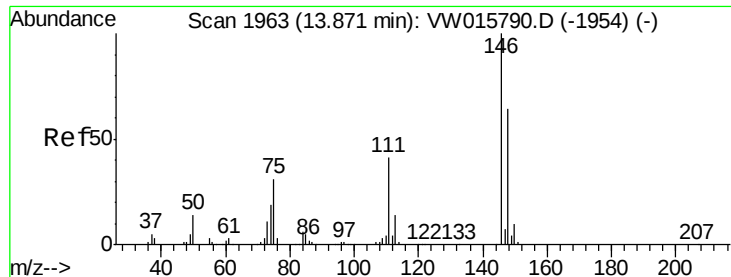
117 100

201 70.0 37.1 111.3



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 200.70 (200.40 to 201.40): V





#91

1,2-Dichlorobenzene

Concen: 5.025 ug/l

RT: 13.87 min Scan# 1963

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT3-2020

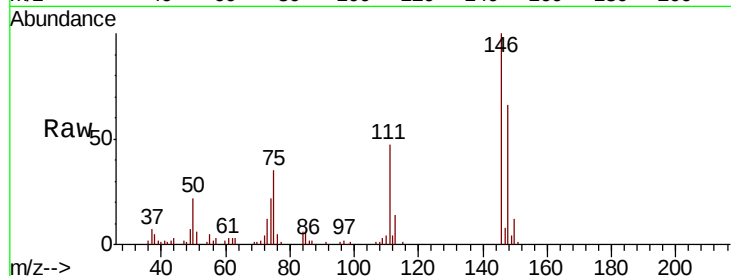
Tot Ion:146 Resp: 19012

Ion Ratio Lower Upper

146 100

111 44.3 20.6 61.9

148 65.5 31.8 95.4

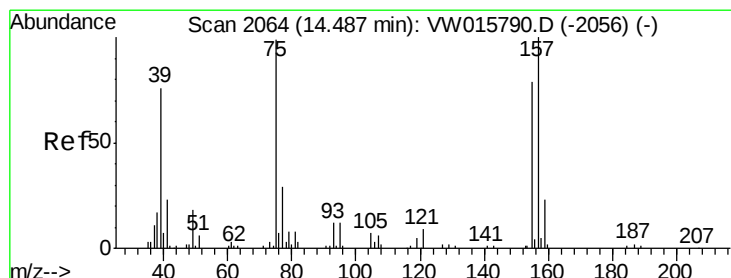
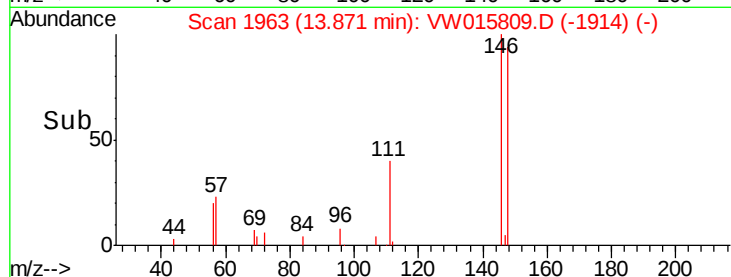
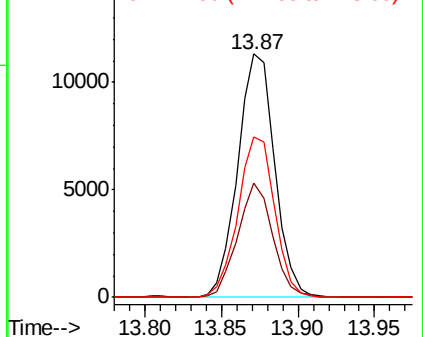


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.121 ug/l

RT: 14.49 min Scan# 2064

Delta R.T. -0.00 min

Lab File: VW015809.D

Acq: 08 Jul 2020 15:05

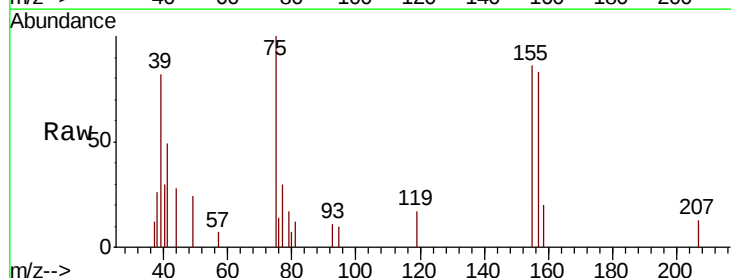
Tgt Ion: 75 Resp: 1321

Ion Ratio Lower Upper

75 100

155 76.4 39.1 117.5

157 91.7 49.1 147.4

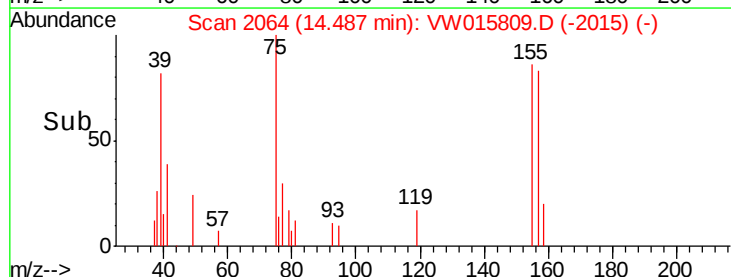
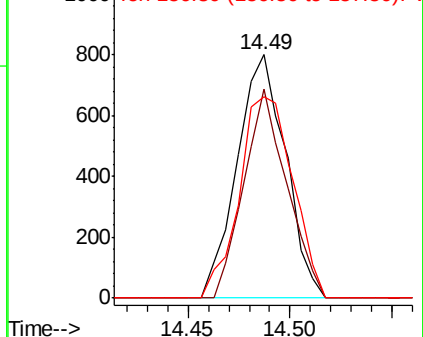


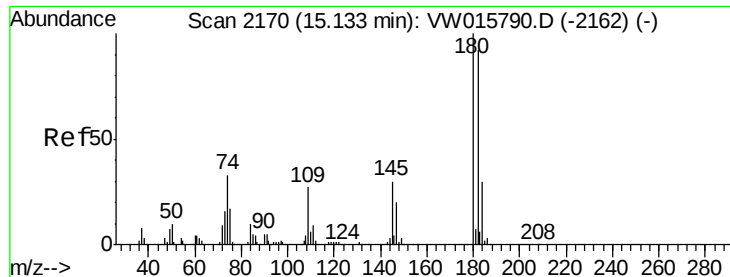
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

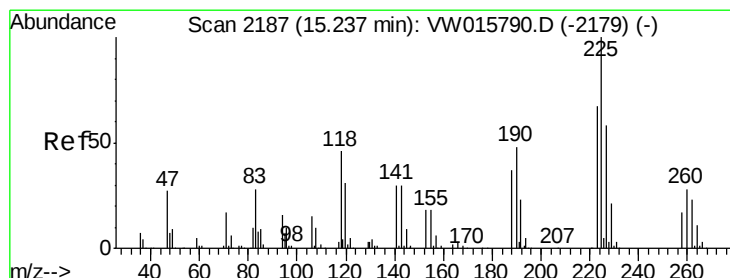
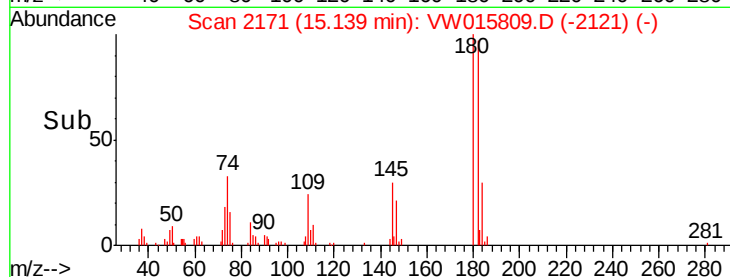
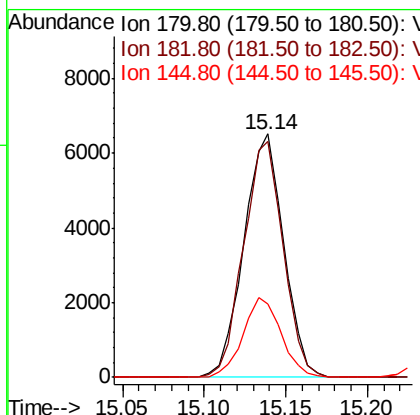
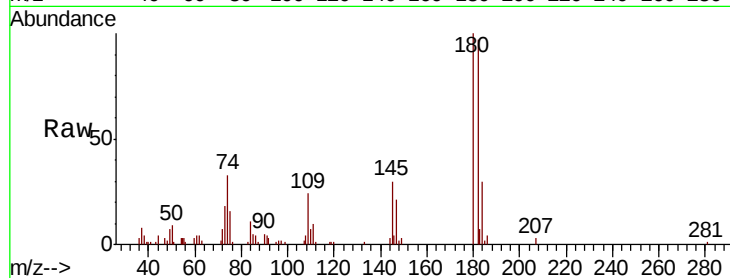




#93
 1,2,4-Trichlorobenzene
 Concen: 4.643 ug/l
 RT: 15.14 min Scan# 2171
 Delta R.T. 0.01 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

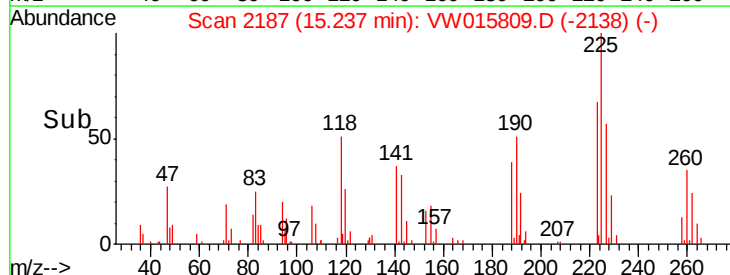
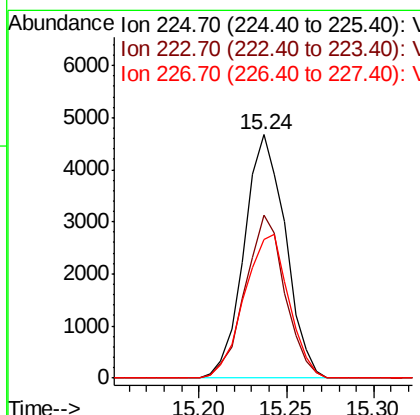
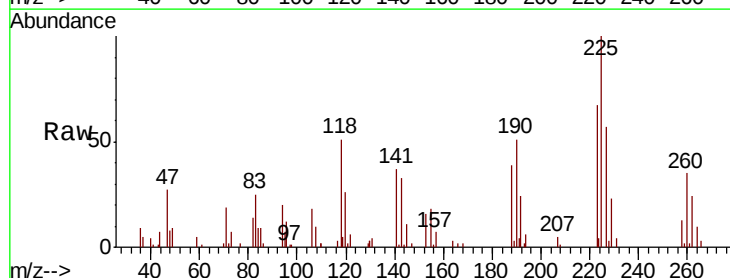
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT3-2020

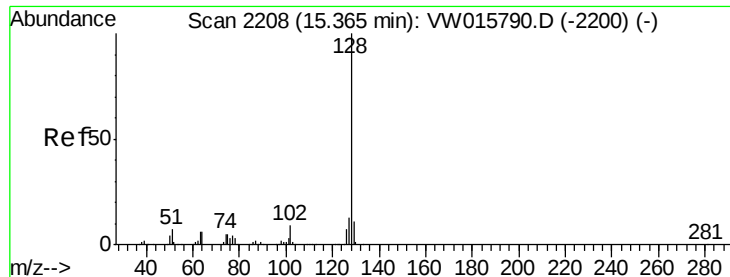
Tot Ion:180 Resp: 11075
 Ion Ratio Lower Upper
 180 100
 182 96.1 46.8 140.3
 145 31.6 15.4 46.4



#94
 Hexachlorobutadiene
 Concen: 5.069 ug/l
 RT: 15.24 min Scan# 2187
 Delta R.T. -0.00 min
 Lab File: VW015809.D
 Acq: 08 Jul 2020 15:05

Tgt Ion:225 Resp: 7677
 Ion Ratio Lower Upper
 225 100
 223 64.6 32.4 97.2
 227 63.4 30.7 92.1

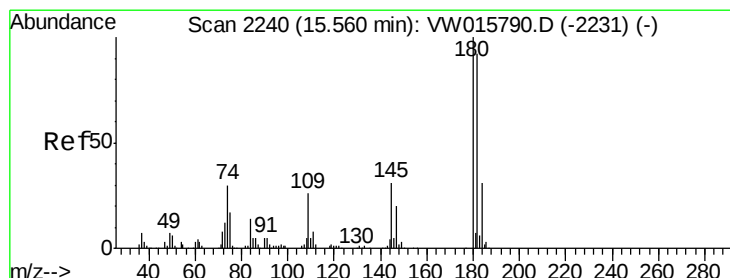
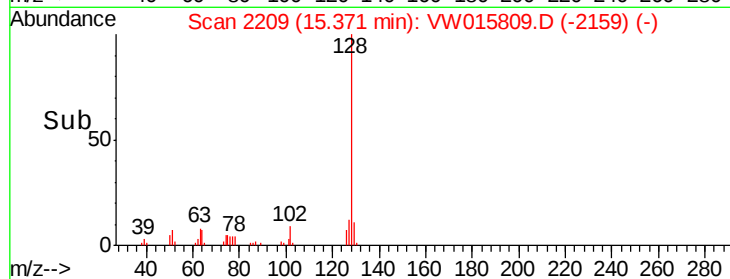
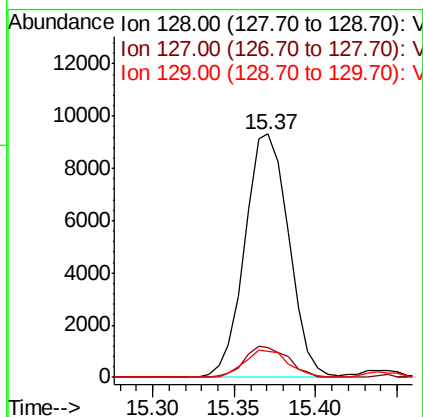
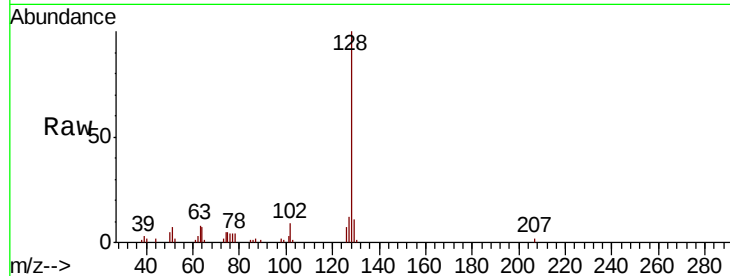




#95
Naphthalene
Concen: 4.388 ug/l
RT: 15.37 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

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

Tot Ion:128 Resp: 17496
Ion Ratio Lower Upper
128 100
127 12.7 10.6 16.0
129 11.2 8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 4.908 ug/l
RT: 15.55 min Scan# 2239
Delta R.T. -0.01 min
Lab File: VW015809.D
Acq: 08 Jul 2020 15:05

Tgt Ion:180 Resp: 9963
Ion Ratio Lower Upper
180 100
182 96.8 47.7 143.1
145 32.3 16.7 50.0

