

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110221\
 Data File : VW020748.D
 Acq On : 02 Nov 2021 20:04
 Operator : SY/VA
 Sample : M4068-02 5PPBLOQ
 Misc : 5.00g/5mL/MSVOA_W/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Quant Time: Nov 03 02:51:01 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W110121S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 03 02:49:21 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.946	168	31757	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.842	114	52316	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.634	117	49007	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.554	152	26012	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.305	65	14652	49.688	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.380%
35) Dibromofluoromethane	7.878	113	16415	49.370	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.740%
50) Toluene-d8	10.323	98	53720	46.391	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	92.780%
62) 4-Bromofluorobenzene	12.615	95	19345	47.412	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	94.820%

Target Compounds			Qvalue			
2) Dichlorodifluoromethane	2.008	85	259	3.198	ug/l #	37
3) Chloromethane	2.215	50	1165	6.220	ug/l #	77
4) Vinyl Chloride	2.355	62	2250	6.212	ug/l	94
5) Bromomethane	2.764	94	1924	6.270	ug/l	95
6) Chloroethane	2.916	64	875	5.606	ug/l #	87
7) Trichlorofluoromethane	3.245	101	791	6.585	ug/l	97
8) Diethyl Ether	3.684	74	728	6.062	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.056	101	1730	6.062	ug/l #	84
10) Methyl Iodide	4.263	142	2299	6.263	ug/l	98
11) Tert butyl alcohol	5.178	59	327	26.618	ug/l #	77
12) 1,1-Dichloroethene	4.032	96	1623	6.094	ug/l	94
13) Acrolein	3.904	56	42	9.445	ug/l #	17
14) Allyl chloride	4.672	41	1265	6.169	ug/l	98
15) Acrylonitrile	5.367	53	1317	28.670	ug/l	95
16) Acetone	4.123	43	1493	34.754	ug/l	93
17) Carbon Disulfide	4.379	76	4326	6.451	ug/l #	93
18) Methyl Acetate	4.678	43	942	6.333	ug/l	95
19) Methyl tert-butyl Ether	5.422	73	1870	6.127	ug/l	97
20) Methylene Chloride	4.916	84	6518	17.505	ug/l	94
21) trans-1,2-Dichloroethene	5.422	96	1777	6.040	ug/l #	84
22) Diisopropyl ether	6.312	45	2907	5.554	ug/l #	86
23) Vinyl Acetate	6.257	43	5840	20.195	ug/l	95
24) 1,1-Dichloroethane	6.220	63	2927	6.493	ug/l #	93
25) 2-Butanone	7.177	43	1495	27.187	ug/l	96
26) 2,2-Dichloropropane	7.159	77	1830	6.775	ug/l	84
27) cis-1,2-Dichloroethene	7.171	96	1783	5.524	ug/l	94
28) Bromochloromethane	7.513	49	972	5.396	ug/l #	98
29) Tetrahydrofuran	7.531	42	914	28.164	ug/l	89
30) Chloroform	7.683	83	3743	6.681	ug/l	93
31) Cyclohexane	7.952	56	2570	6.468	ug/l #	88
32) 1,1,1-Trichloroethane	7.878	97	2864	6.420	ug/l	99
36) 1,1-Dichloropropene	8.080	75	2576	6.118	ug/l	93
37) Ethyl Acetate	7.251	43	709	5.358	ug/l #	63
38) Carbon Tetrachloride	8.061	117	2689	5.965	ug/l	97
39) Methylcyclohexane	9.336	83	2626	5.170	ug/l	96
40) Benzene	8.324	78	8089	6.668	ug/l	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.476	41	349	5.350	ug/l #	23
42) 1,2-Dichloroethane	8.397	62	2279	6.577	ug/l	94
43) Isopropyl Acetate	8.421	43	1296	5.203	ug/l	97
44) Trichloroethene	9.092	130	2178	5.853	ug/l	78
45) 1,2-Dichloropropane	9.372	63	1625	6.192	ug/l	96
46) Dibromomethane	9.457	93	1008	5.445	ug/l	91
47) Bromodichloromethane	9.646	83	2532	5.847	ug/l	100
48) Methyl methacrylate	9.439	41	631	5.572	ug/l	81
49) 1,4-Dioxane	9.445	88	245	110.012	ug/l #	65
51) 4-Methyl-2-Pentanone	10.207	43	3551	26.533	ug/l	97
52) Toluene	10.384	92	4764	6.049	ug/l	96
53) t-1,3-Dichloropropene	10.604	75	2203	5.538	ug/l #	86
54) cis-1,3-Dichloropropene	10.073	75	2583	5.700	ug/l	90
55) 1,1,2-Trichloroethane	10.787	97	1574	6.176	ug/l #	89
56) Ethyl methacrylate	10.640	69	1381	5.118	ug/l	93
57) 1,3-Dichloropropane	10.927	76	2436	6.075	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.927	63	2649	22.558	ug/l	97
59) 2-Hexanone	10.969	43	2480	26.506	ug/l	90
60) Dibromochloromethane	11.128	129	1876	5.908	ug/l	94
61) 1,2-Dibromoethane	11.232	107	1472	5.807	ug/l	95
64) Tetrachloroethene	10.860	164	1960	6.128	ug/l #	86
65) Chlorobenzene	11.658	112	5361	5.828	ug/l #	88
66) 1,1,1,2-Tetrachloroethane	11.731	131	2081	6.138	ug/l	97
67) Ethyl Benzene	11.731	91	8514	5.551	ug/l	99
68) m/p-Xylenes	11.841	106	7009	11.316	ug/l	99
69) o-Xylene	12.164	106	2978	5.150	ug/l	96
70) Styrene	12.183	104	4974	5.089	ug/l	96
71) Bromoform	12.347	173	1101	5.746	ug/l #	97
73) Isopropylbenzene	12.463	105	8064	5.264	ug/l	97
74) N-amyl acetate	12.274	43	1191	5.044	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.713	83	1740	6.022	ug/l	98
76) 1,2,3-Trichloropropane	12.774	75	2091	10.381	ug/l #	1
77) Bromobenzene	12.743	156	2287	5.897	ug/l	96
78) n-propylbenzene	12.804	91	10717	5.798	ug/l	98
79) 2-Chlorotoluene	12.890	91	6187	5.907	ug/l	100
80) 1,3,5-Trimethylbenzene	12.945	105	7491	5.686	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.518	75	349	4.264	ug/l #	73
82) 4-Chlorotoluene	12.987	91	6434	5.874	ug/l	99
83) tert-Butylbenzene	13.201	119	5739	5.003	ug/l	93
84) 1,2,4-Trimethylbenzene	13.249	105	7439	5.756	ug/l	98
85) sec-Butylbenzene	13.378	105	9723	5.624	ug/l	97
86) p-Isopropyltoluene	13.493	119	8108	5.576	ug/l	97
87) 1,3-Dichlorobenzene	13.499	146	4785	5.905	ug/l	96
88) 1,4-Dichlorobenzene	13.579	146	5109	6.389	ug/l	97
89) n-Butylbenzene	13.823	91	7298	5.387	ug/l	92
90) Hexachloroethane	14.091	117	1722	6.023	ug/l	97
91) 1,2-Dichlorobenzene	13.865	146	4128	5.806	ug/l	95
92) 1,2-Dibromo-3-Chloropr...	14.487	75	149	3.508	ug/l #	24
93) 1,2,4-Trichlorobenzene	15.127	180	2409	5.369	ug/l	96
94) Hexachlorobutadiene	15.237	225	1429	5.865	ug/l	97
95) Naphthalene	15.365	128	4078	5.035	ug/l	96
96) 1,2,3-Trichlorobenzene	15.554	180	2104	5.368	ug/l	97

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Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT4-2021

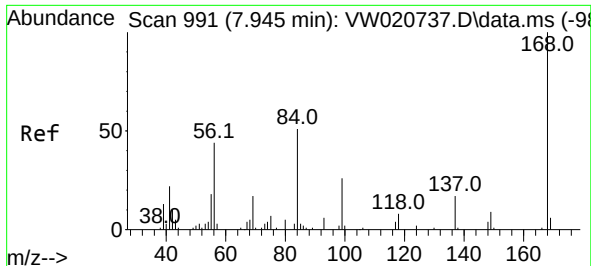
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\82W110121S.M
Quant Title : SW846 8260
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

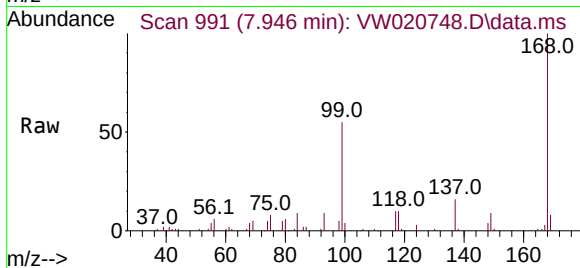
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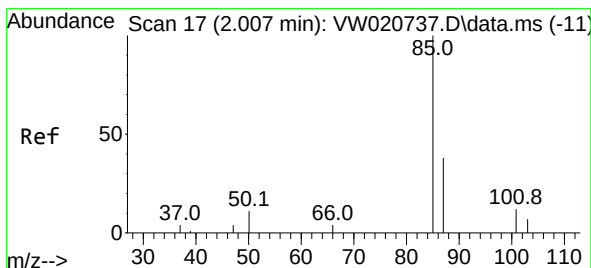
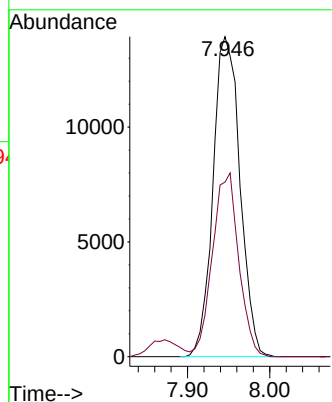
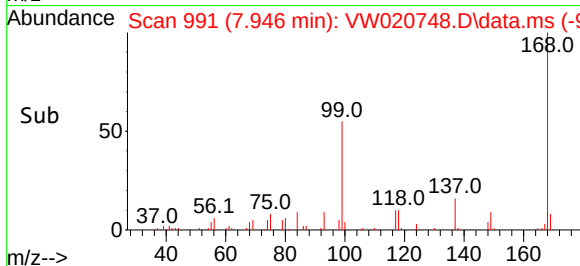


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.946 min Scan# 99
Delta R.T. 0.001 min
Lab File: VW020748.D
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LOQ-SOIL-02-QT4-2021

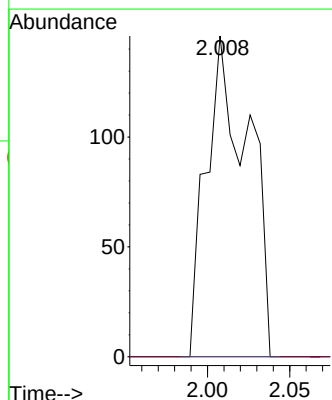
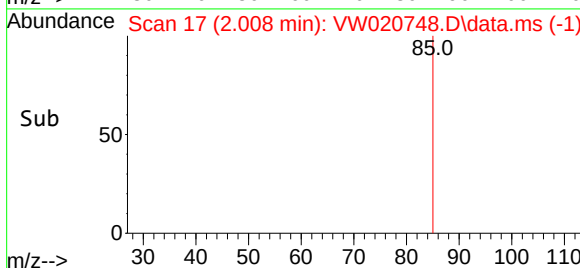
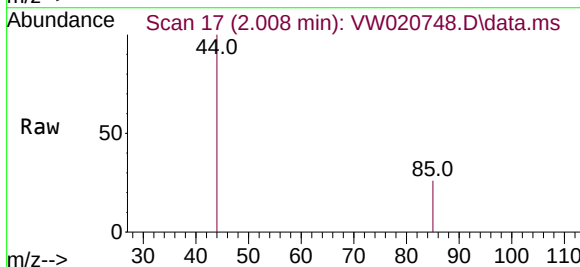


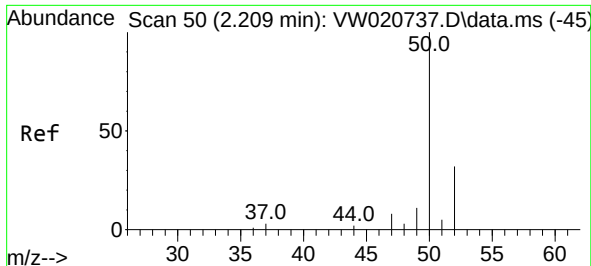
Tgt Ion:168 Resp: 31757
Ion Ratio Lower Upper
168 100
99 54.5 42.6 63.8



#2
Dichlorodifluoromethane
Concen: 3.198 ug/l
RT: 2.008 min Scan# 17
Delta R.T. 0.001 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 85 Resp: 259
Ion Ratio Lower Upper
85 100
87 0.0 19.1 57.5#





#3

Chloromethane

Concen: 6.220 ug/l

RT: 2.215 min Scan# 51

Delta R.T. 0.006 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

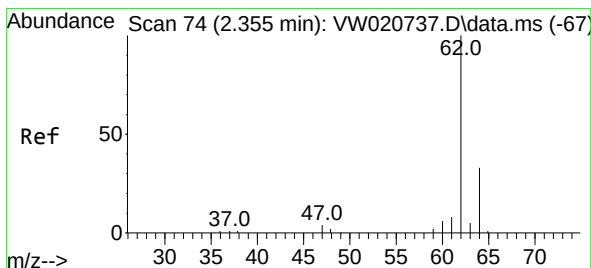
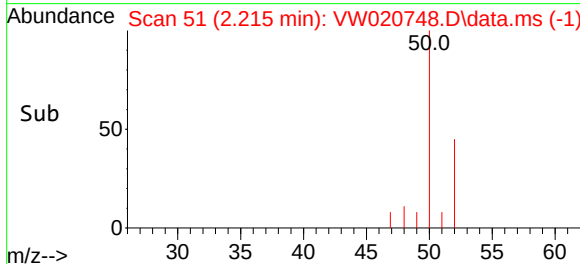
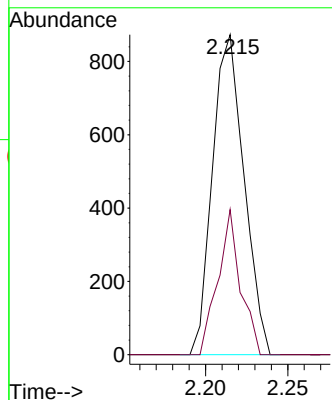
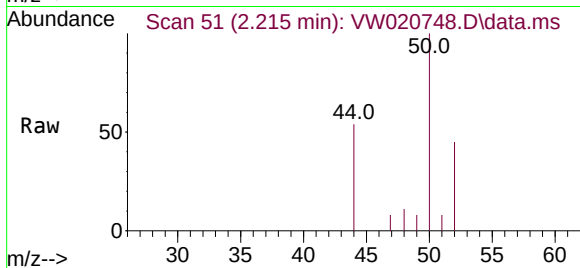
LOQ-SOIL-02-QT4-2021

Tgt Ion: 50 Resp: 1165

Ion Ratio Lower Upper

50 100

52 45.4 25.9 38.9#



#4

Vinyl Chloride

Concen: 6.212 ug/l

RT: 2.355 min Scan# 74

Delta R.T. 0.000 min

Lab File: VW020748.D

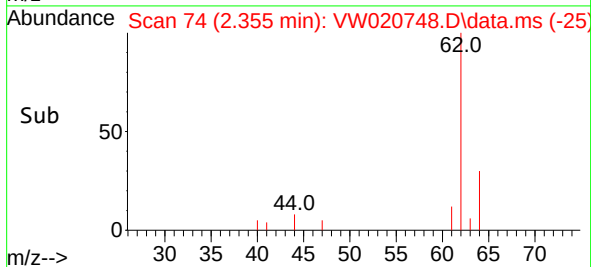
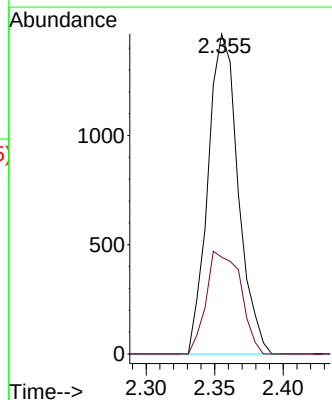
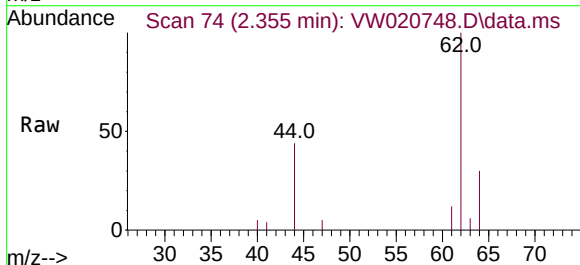
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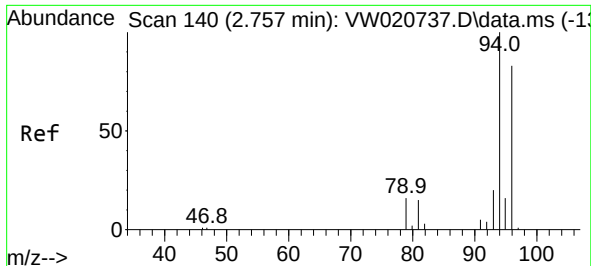
Tgt Ion: 62 Resp: 2250

Ion Ratio Lower Upper

62 100

64 30.2 26.7 40.1

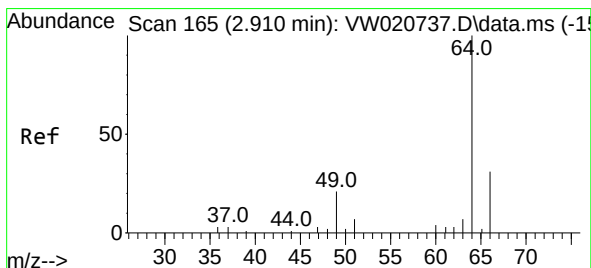
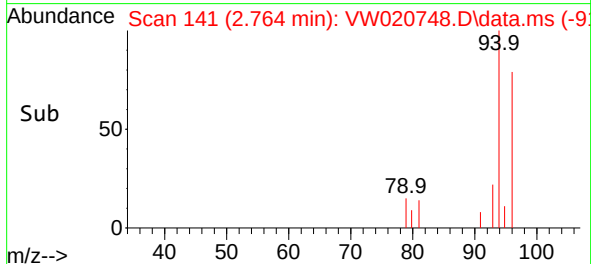
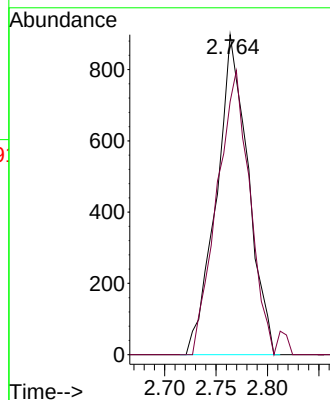
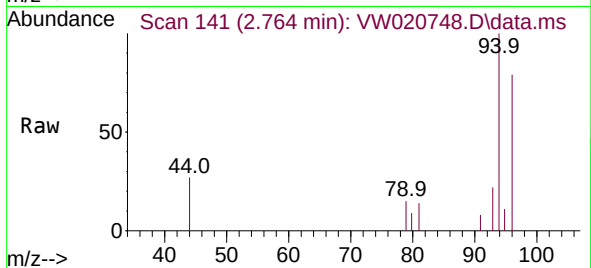




#5
Bromomethane
Concen: 6.270 ug/l
RT: 2.764 min Scan# 141
Delta R.T. 0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

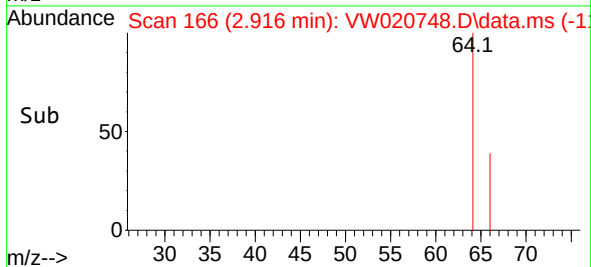
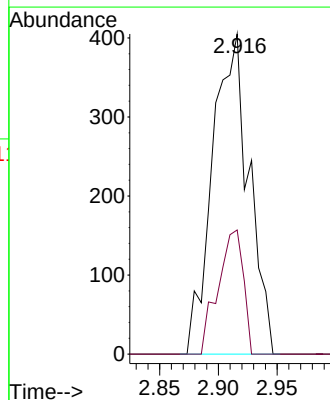
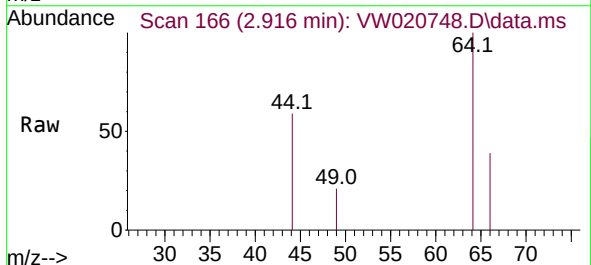
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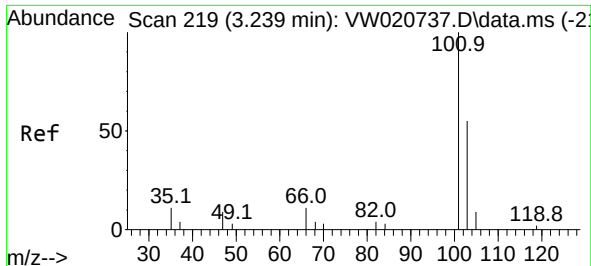
Tgt Ion: 94 Resp: 1924
Ion Ratio Lower Upper
94 100
96 79.1 66.7 100.1



#6
Chloroethane
Concen: 5.606 ug/l
RT: 2.916 min Scan# 166
Delta R.T. 0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 64 Resp: 875
Ion Ratio Lower Upper
64 100
66 38.8 25.1 37.7#

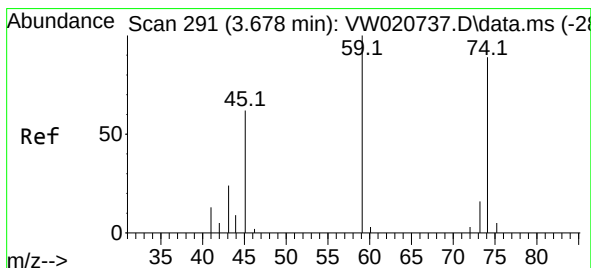
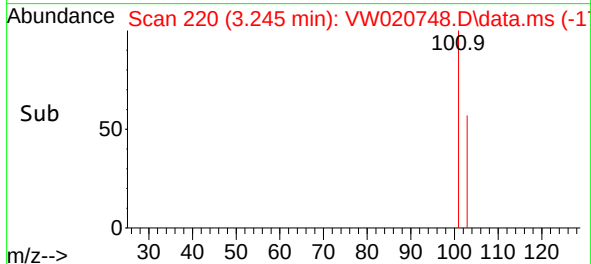
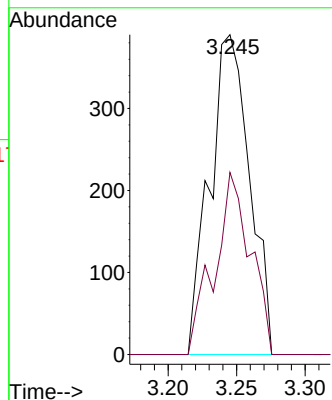
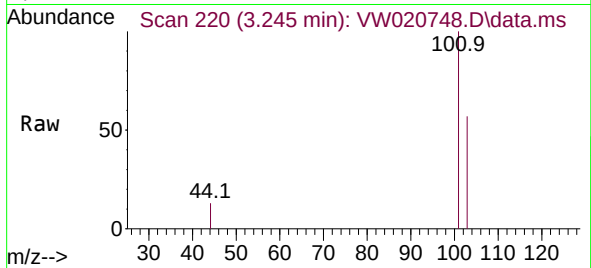




#7
 Trichlorofluoromethane
 Concen: 6.585 ug/l
 RT: 3.245 min Scan# 219
 Delta R.T. 0.006 min
 Lab File: VW020748.D
 Acq: 02 Nov 2021 20:04

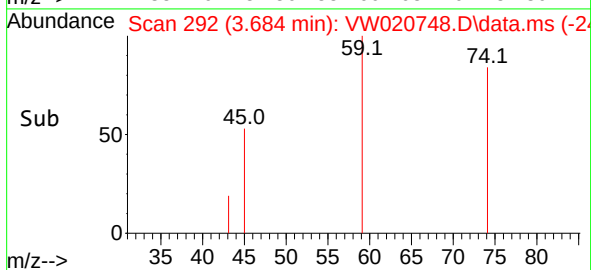
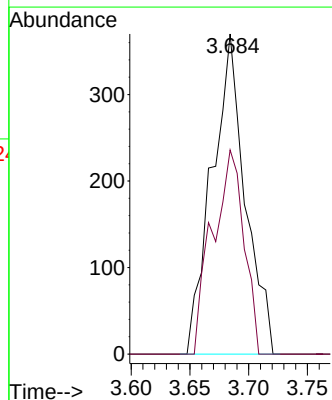
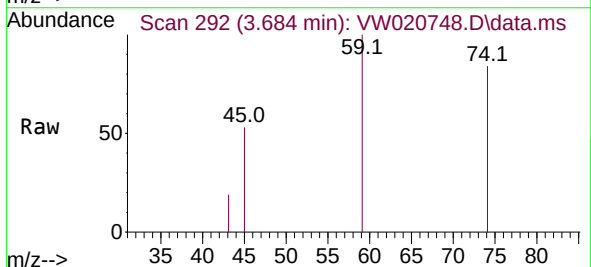
Instrument :
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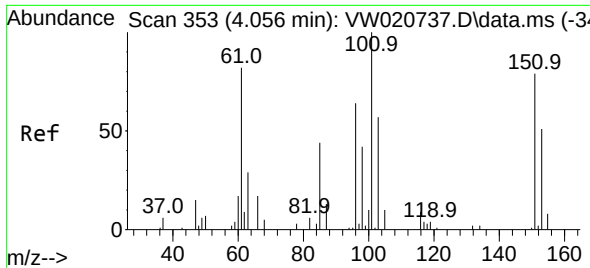
Tgt Ion:101 Resp: 791
 Ion Ratio Lower Upper
 101 100
 103 56.9 43.9 65.9



#8
 Diethyl Ether
 Concen: 6.062 ug/l
 RT: 3.684 min Scan# 292
 Delta R.T. 0.006 min
 Lab File: VW020748.D
 Acq: 02 Nov 2021 20:04

Tgt Ion: 74 Resp: 728
 Ion Ratio Lower Upper
 74 100
 45 60.4 34.3 102.8

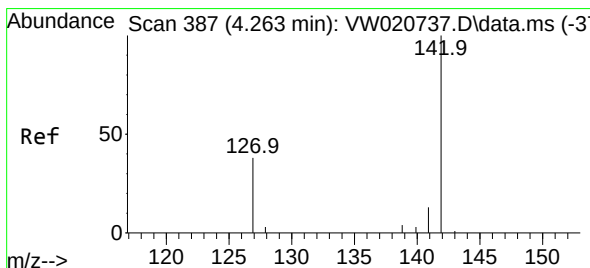
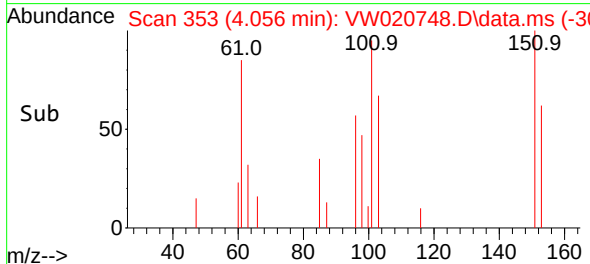
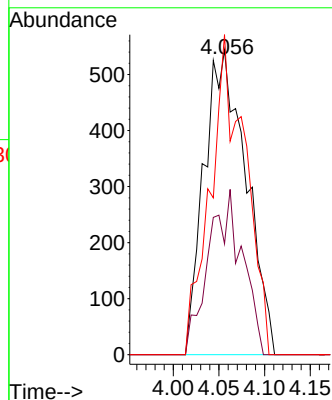
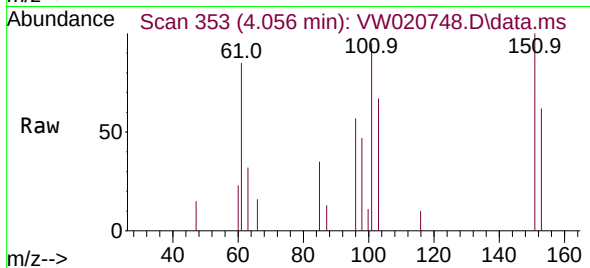




#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.062 ug/l
RT: 4.056 min Scan# 353
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

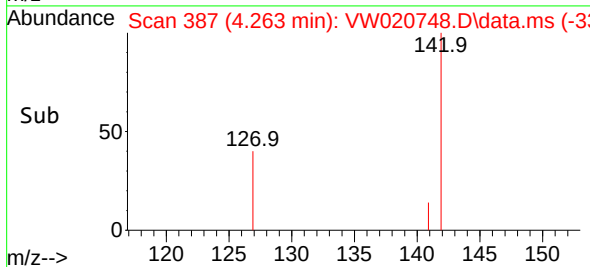
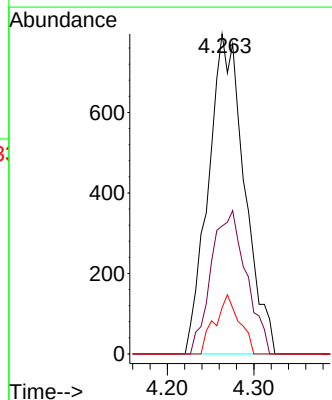
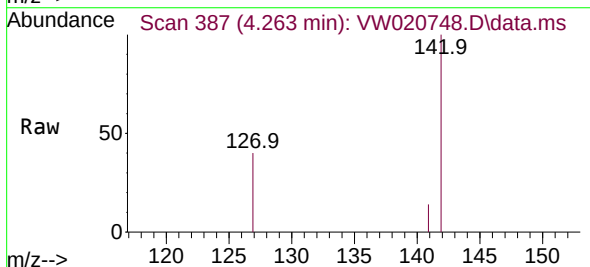
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

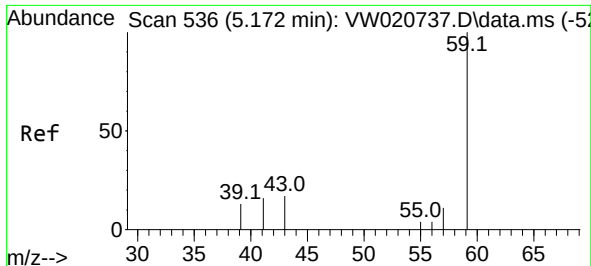
Tgt Ion:101 Resp: 1730
Ion Ratio Lower Upper
101 100
85 23.2 35.2 52.8#
151 87.9 65.0 97.4



#10
Methyl Iodide
Concen: 6.263 ug/l
RT: 4.263 min Scan# 387
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion:142 Resp: 2299
Ion Ratio Lower Upper
142 100
127 43.5 34.3 51.5
141 12.5 12.2 18.2

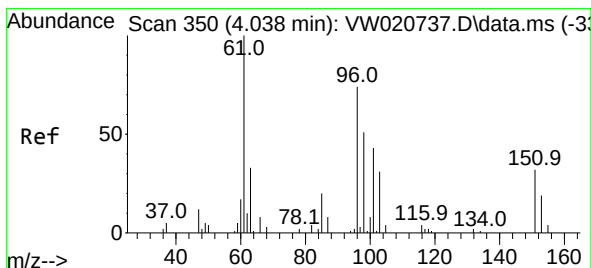
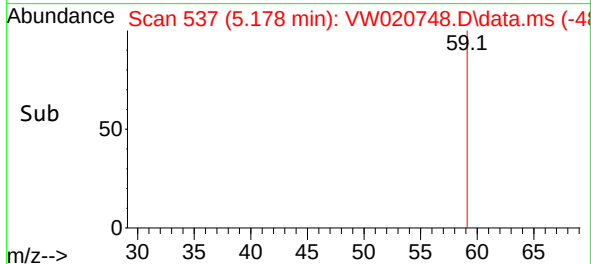
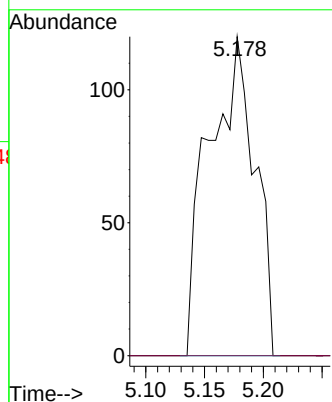
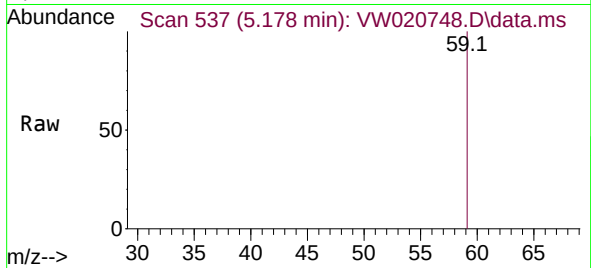




#11
Tert butyl alcohol
Concen: 26.618 ug/l
RT: 5.178 min Scan# 511
Delta R.T. 0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

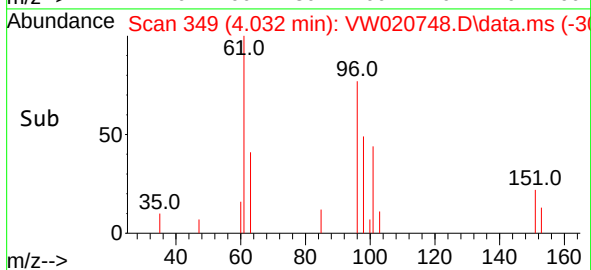
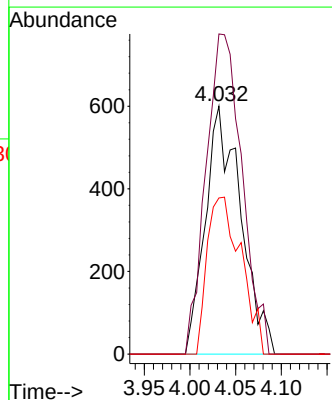
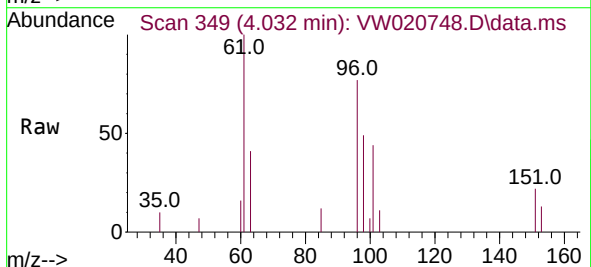
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

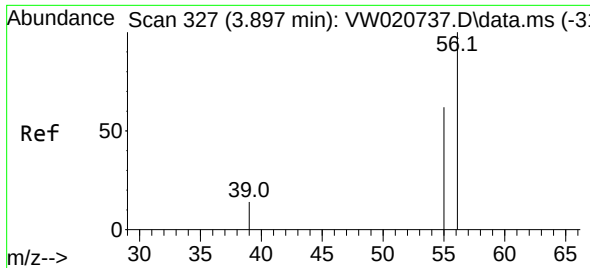
Tgt Ion: 59 Resp: 327
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#



#12
1,1-Dichloroethene
Concen: 6.094 ug/l
RT: 4.032 min Scan# 349
Delta R.T. -0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 96 Resp: 1623
Ion Ratio Lower Upper
96 100
61 129.2 108.1 162.1
98 63.0 55.4 83.2





#13

Acrolein

Concen: 9.445 ug/l

RT: 3.904 min Scan# 31

Delta R.T. 0.006 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

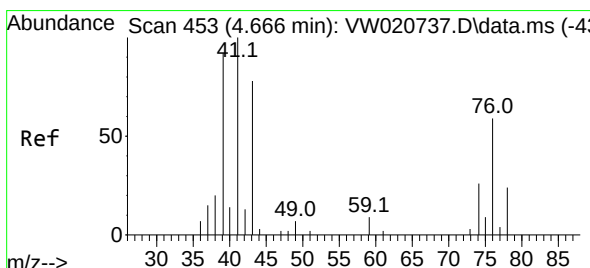
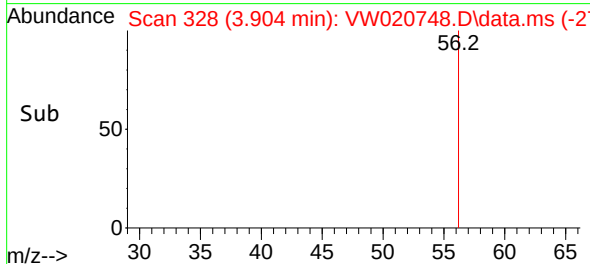
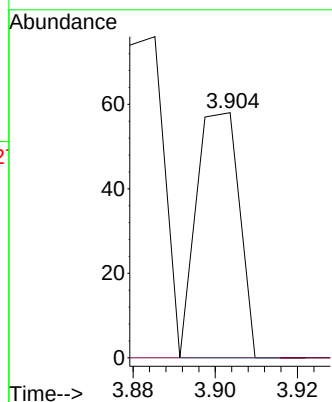
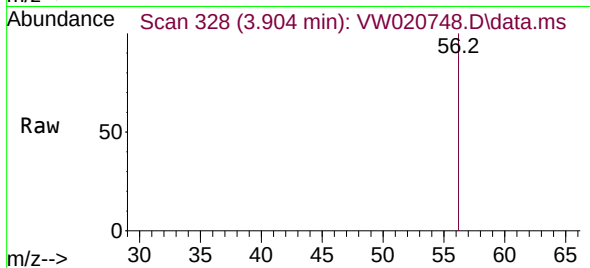
LOQ-SOIL-02-QT4-2021

Tgt Ion: 56 Resp: 42

Ion Ratio Lower Upper

56 100

55 0.0 52.5 78.7#



#14

Allyl chloride

Concen: 6.169 ug/l

RT: 4.672 min Scan# 454

Delta R.T. 0.006 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

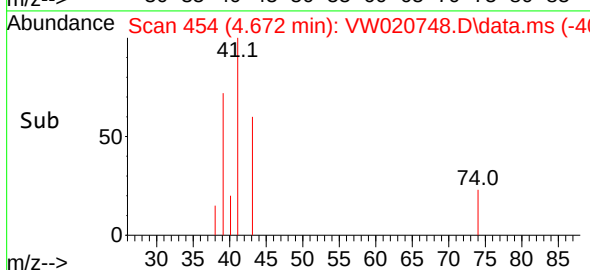
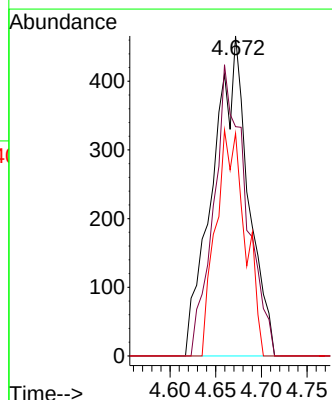
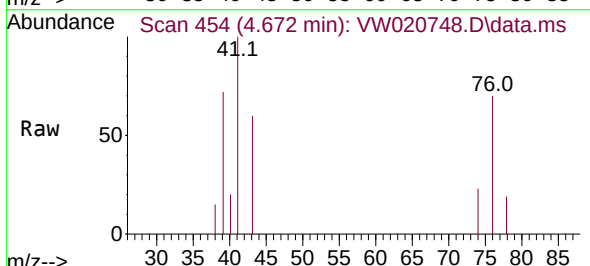
Tgt Ion: 41 Resp: 1265

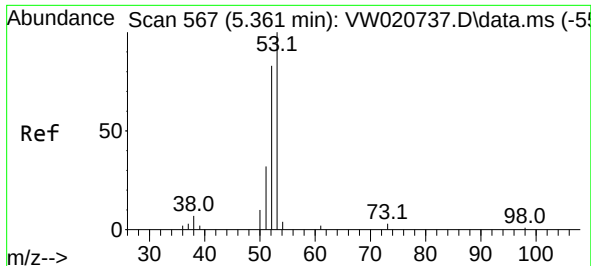
Ion Ratio Lower Upper

41 100

39 81.9 67.3 100.9

76 58.1 45.8 68.8

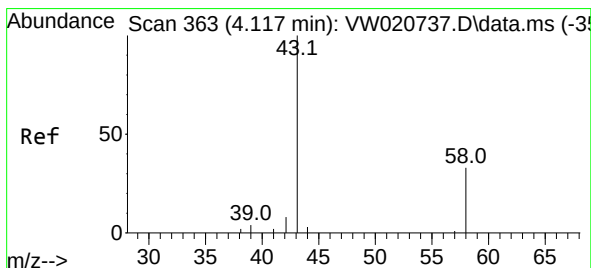
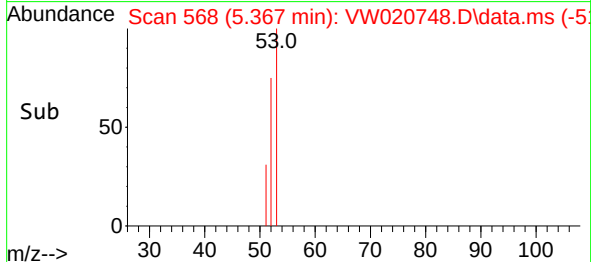
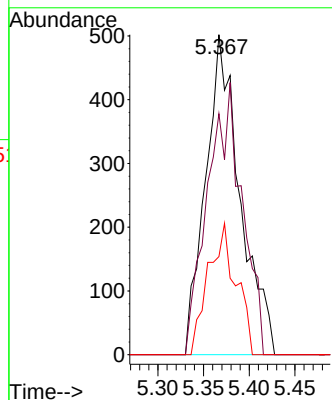
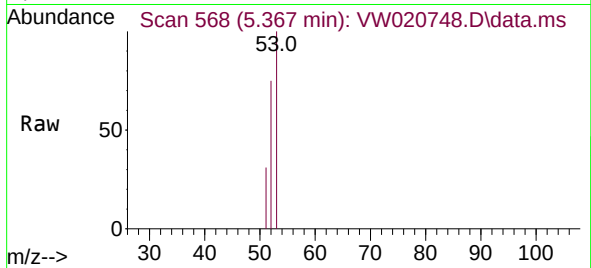




#15
Acrylonitrile
Concen: 28.670 ug/l
RT: 5.367 min Scan# 50
Delta R.T. 0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

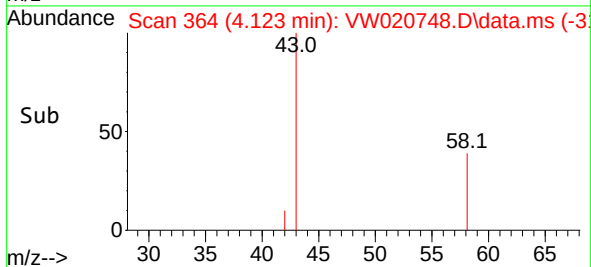
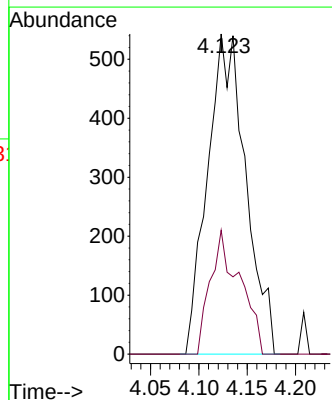
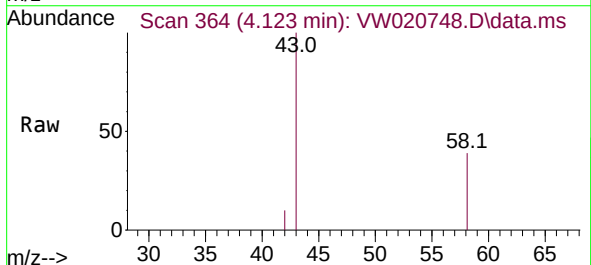
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

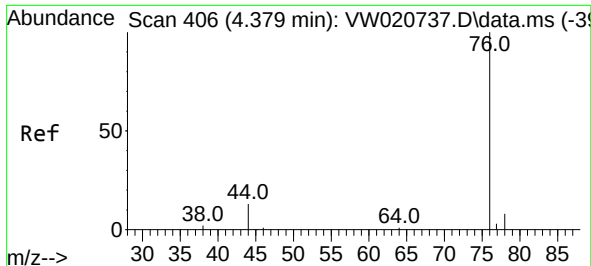
Tgt Ion:	53	Resp:	1317
Ion	Ratio	Lower	Upper
53	100		
52	84.9	63.7	95.5
51	33.0	27.5	41.3



#16
Acetone
Concen: 34.754 ug/l
RT: 4.123 min Scan# 364
Delta R.T. 0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion:	43	Resp:	1493
Ion	Ratio	Lower	Upper
43	100		
58	38.7	27.8	41.6

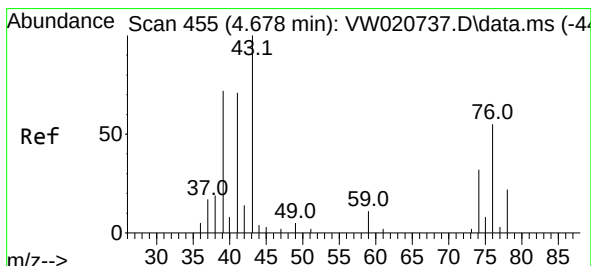
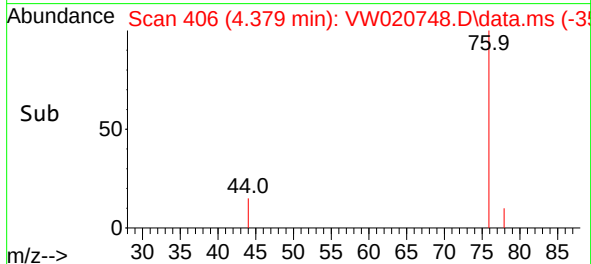
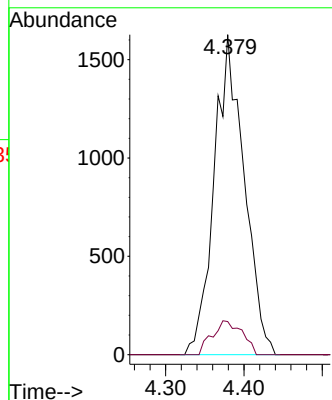
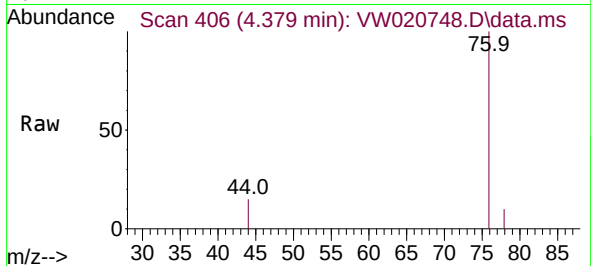




#17
Carbon Disulfide
Concen: 6.451 ug/l
RT: 4.379 min Scan# 406
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

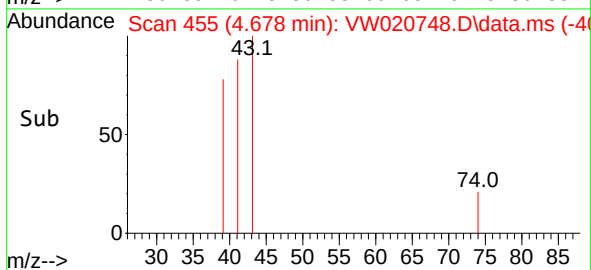
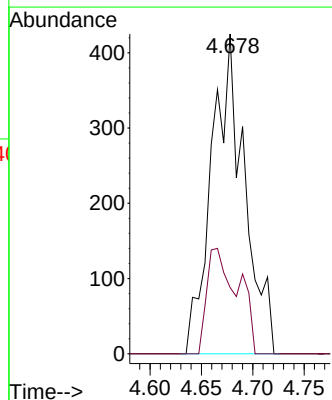
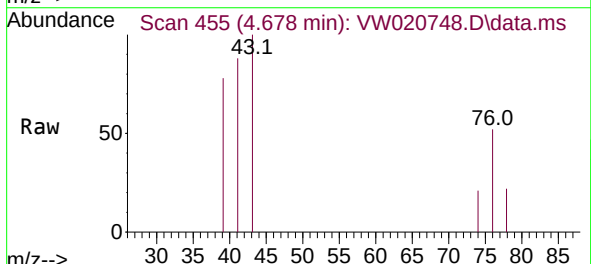
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

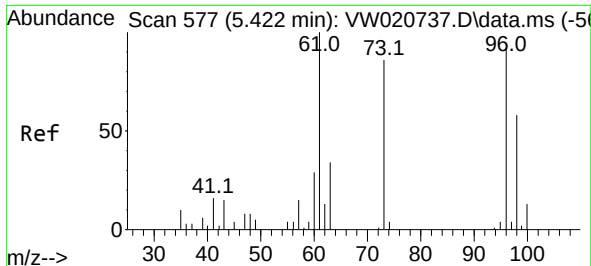
Tgt Ion: 76 Resp: 4326
Ion Ratio Lower Upper
76 100
78 10.3 6.4 9.6#



#18
Methyl Acetate
Concen: 6.333 ug/l
RT: 4.678 min Scan# 455
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 43 Resp: 942
Ion Ratio Lower Upper
43 100
74 31.1 27.0 40.6

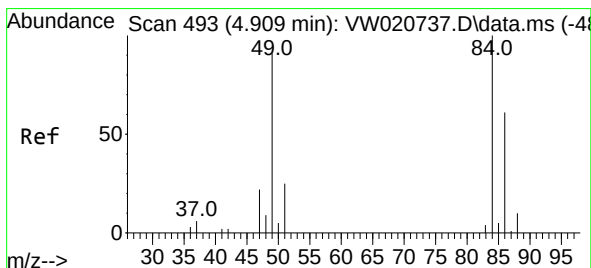
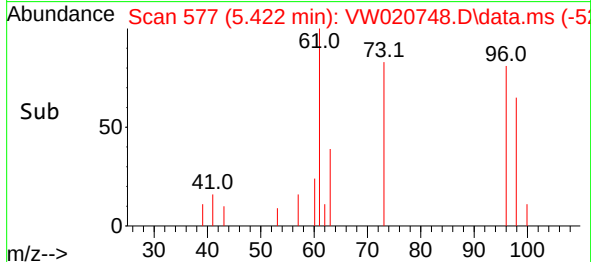
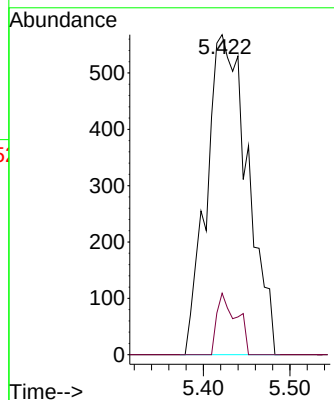
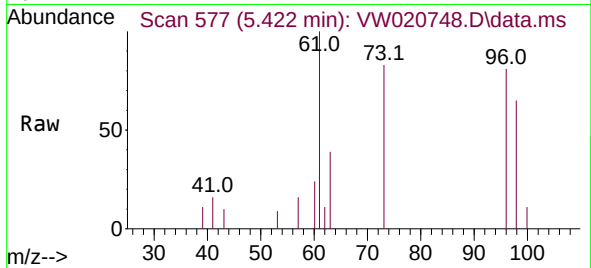




#19
Methyl tert-butyl Ether
Concen: 6.127 ug/l
RT: 5.422 min Scan# 51
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

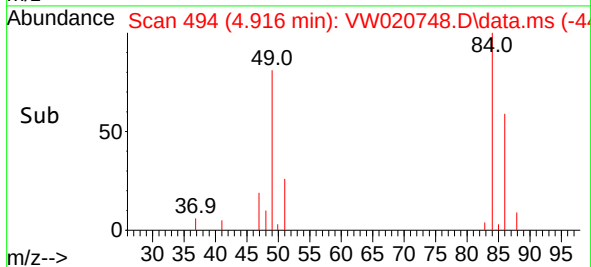
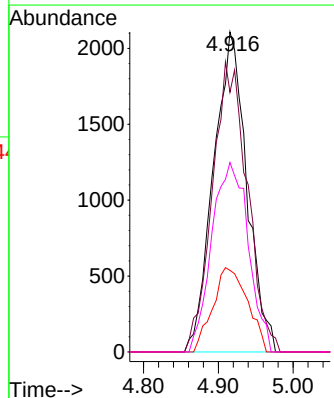
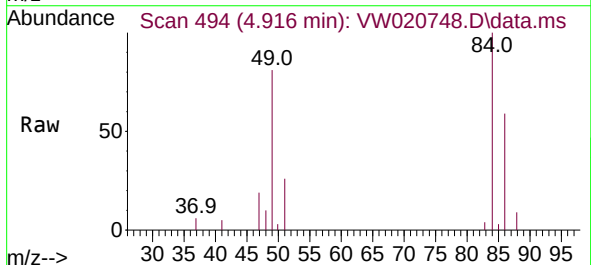
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

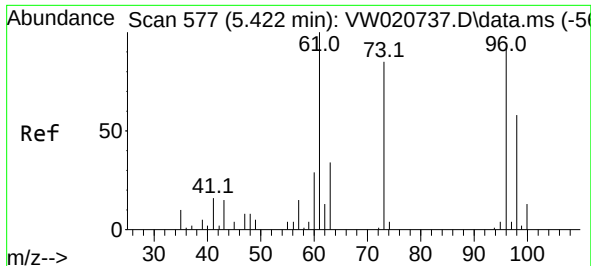
Tgt Ion: 73 Resp: 1870
Ion Ratio Lower Upper
73 100
57 19.2 14.4 21.6



#20
Methylene Chloride
Concen: 17.505 ug/l
RT: 4.916 min Scan# 494
Delta R.T. 0.007 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 84 Resp: 6518
Ion Ratio Lower Upper
84 100
49 81.2 72.6 108.8
51 25.5 19.7 29.5
86 59.2 48.4 72.6

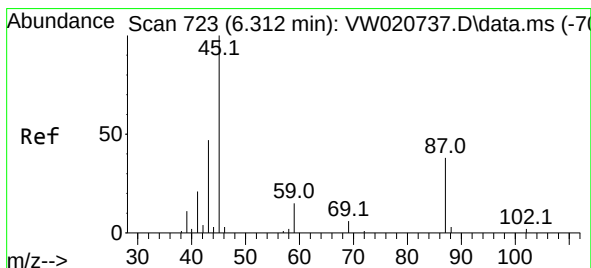
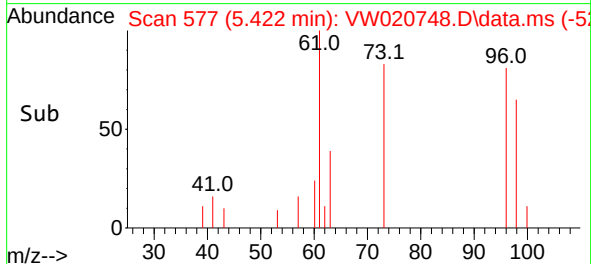
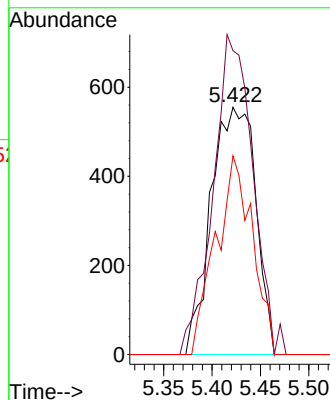
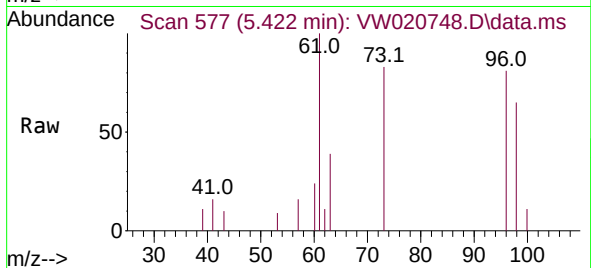




#21
trans-1,2-Dichloroethene
Concen: 6.040 ug/l
RT: 5.422 min Scan# 577
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

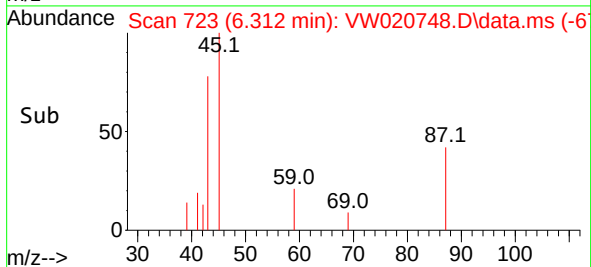
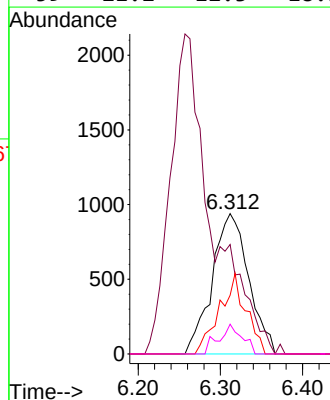
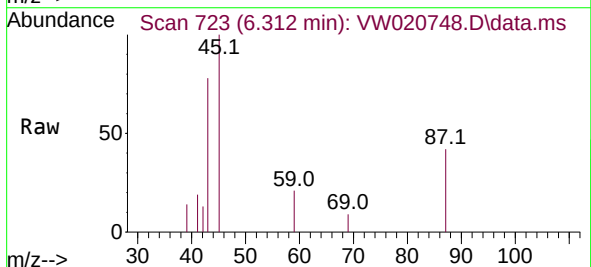
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

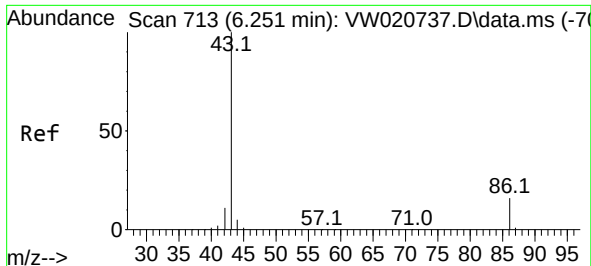
Tgt Ion: 96 Resp: 1777
Ion Ratio Lower Upper
96 100
61 122.9 87.2 130.8
98 80.4 50.9 76.3#



#22
Diisopropyl ether
Concen: 5.554 ug/l
RT: 6.312 min Scan# 723
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 45 Resp: 2907
Ion Ratio Lower Upper
45 100
43 71.0 44.3 66.5#
87 41.9 31.4 47.0
59 21.2 12.3 18.5#

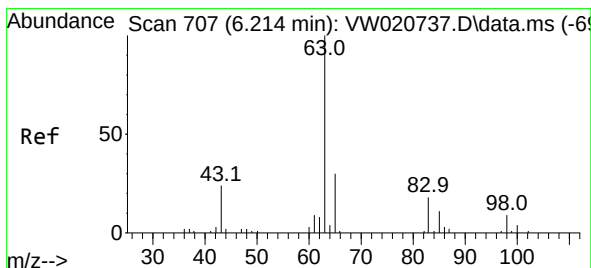
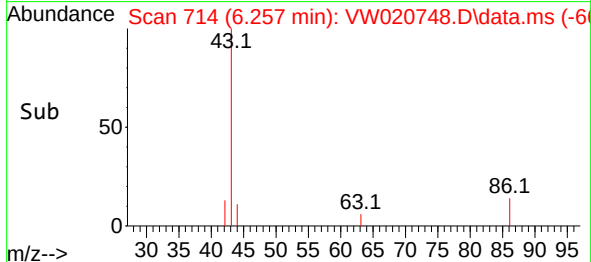
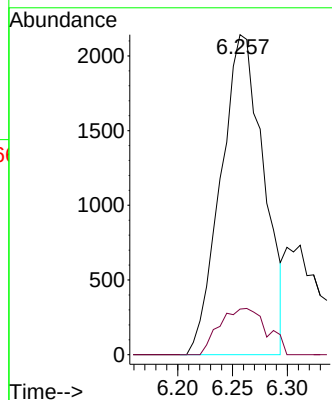
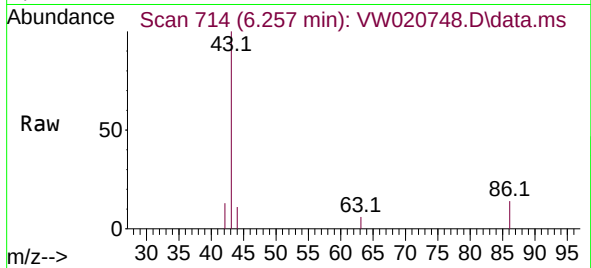




#23
 Vinyl Acetate
 Concen: 20.195 ug/l
 RT: 6.257 min Scan# 713
 Delta R.T. 0.006 min
 Lab File: VW020748.D
 Acq: 02 Nov 2021 20:04

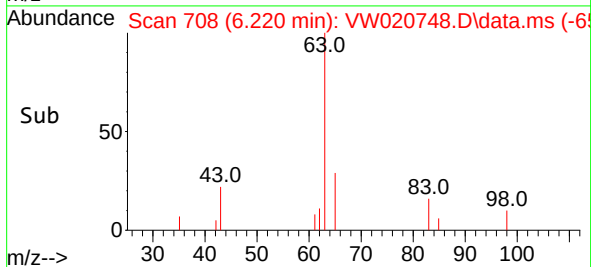
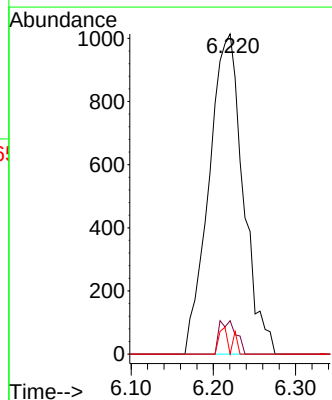
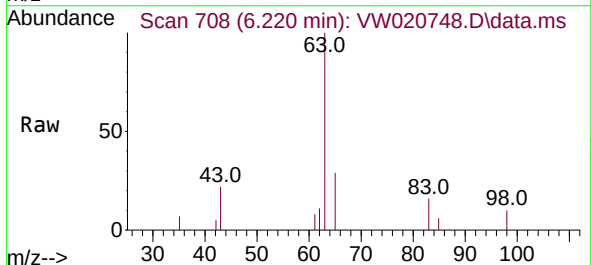
Instrument :
 MSVOA_W
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

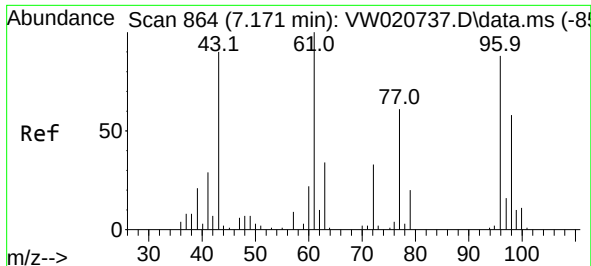
Tgt Ion: 43 Resp: 5840
 Ion Ratio Lower Upper
 43 100
 86 14.2 13.0 19.4



#24
 1,1-Dichloroethane
 Concen: 6.493 ug/l
 RT: 6.220 min Scan# 708
 Delta R.T. 0.006 min
 Lab File: VW020748.D
 Acq: 02 Nov 2021 20:04

Tgt Ion: 63 Resp: 2927
 Ion Ratio Lower Upper
 63 100
 98 10.5 4.4 13.2
 100 0.0 2.1 6.2#





#25

2-Butanone

Concen: 27.187 ug/l

RT: 7.177 min Scan# 865

Delta R.T. 0.006 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

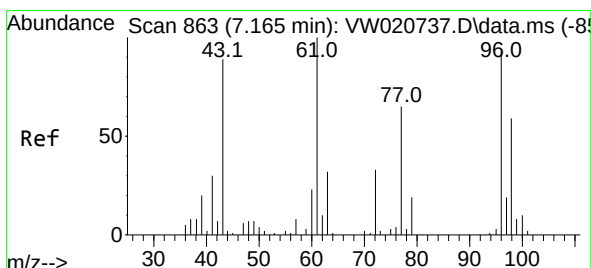
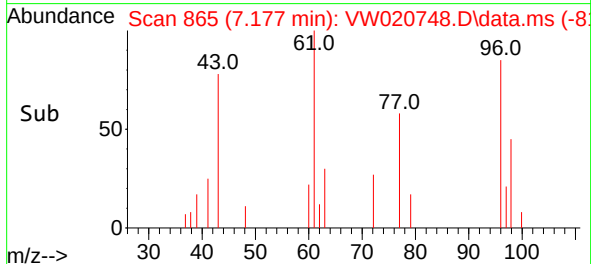
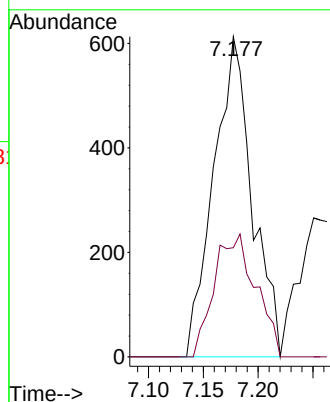
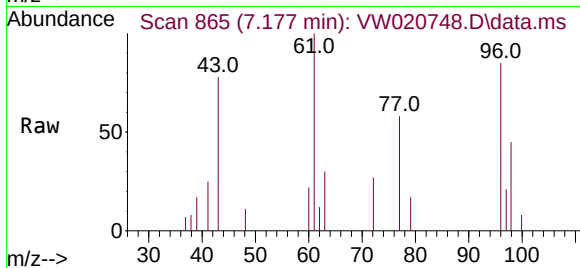
LOQ-SOIL-02-QT4-2021

Tgt Ion: 43 Resp: 1495

Ion Ratio Lower Upper

43 100

72 34.1 29.3 43.9



#26

2,2-Dichloropropane

Concen: 6.775 ug/l

RT: 7.159 min Scan# 862

Delta R.T. -0.006 min

Lab File: VW020748.D

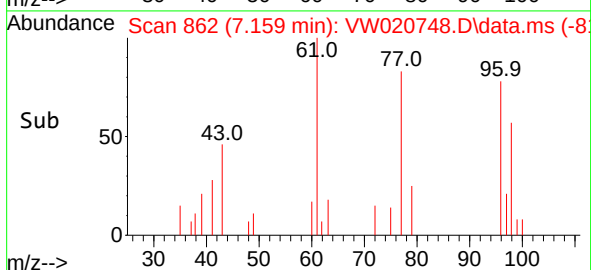
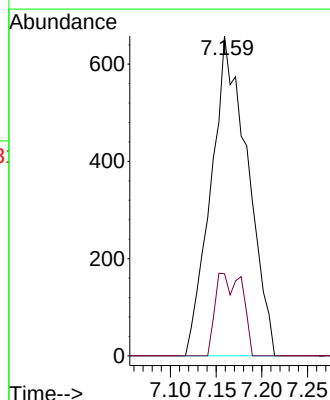
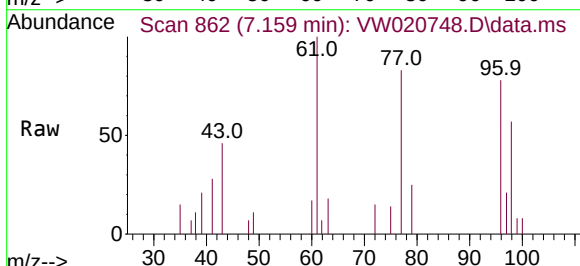
Acq: 02 Nov 2021 20:04

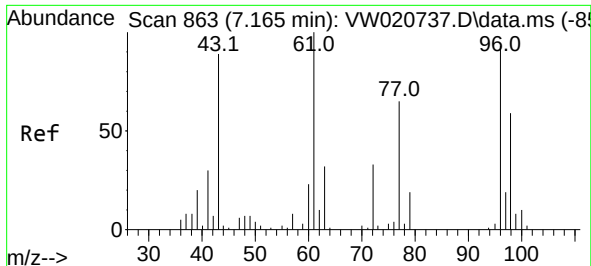
Tgt Ion: 77 Resp: 1830

Ion Ratio Lower Upper

77 100

97 18.9 13.5 40.5





#27

cis-1,2-Dichloroethene

Concen: 5.524 ug/l

RT: 7.171 min Scan# 864

Delta R.T. 0.006 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

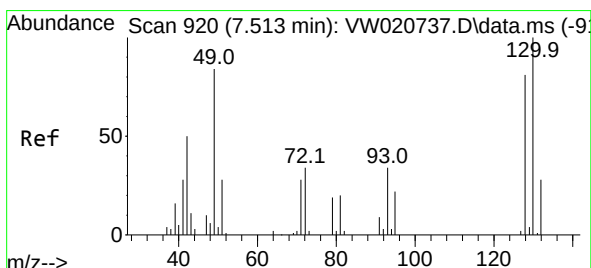
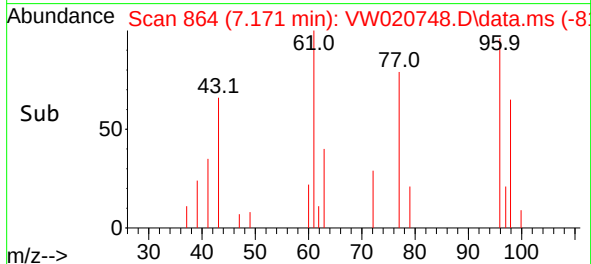
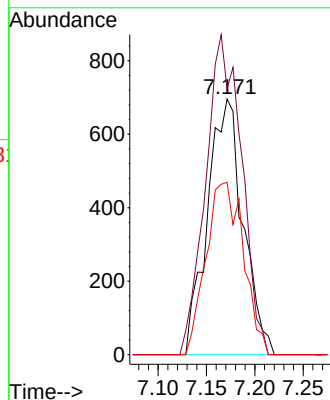
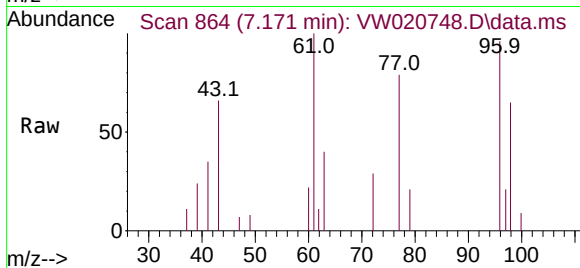
MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion: 96 Resp: 1783

Ion	Ratio	Lower	Upper
96	100		
61	126.1	0.0	234.8
98	70.8	0.0	135.4



#28

Bromochloromethane

Concen: 5.396 ug/l

RT: 7.513 min Scan# 920

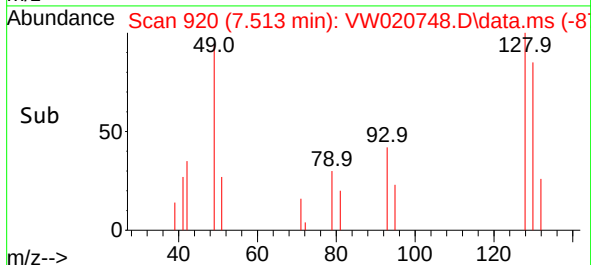
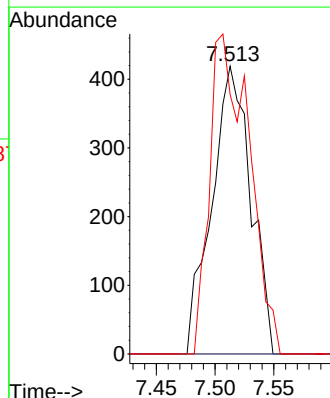
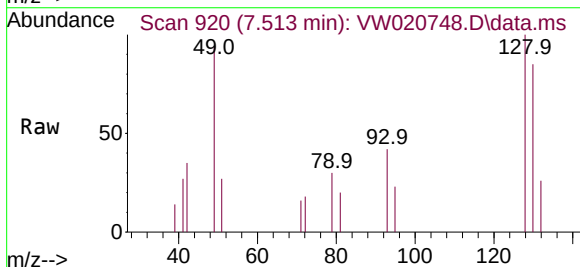
Delta R.T. 0.000 min

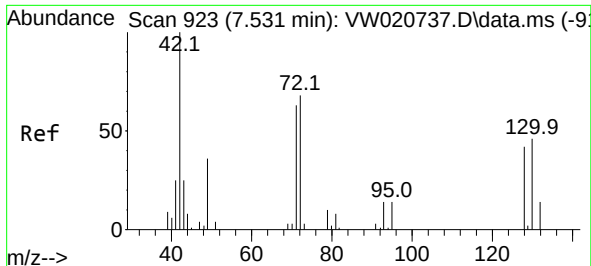
Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Tgt Ion: 49 Resp: 972

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	7.6
130	112.1	88.2	132.2





#29

Tetrahydrofuran

Concen: 28.164 ug/l

RT: 7.531 min Scan# 914

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

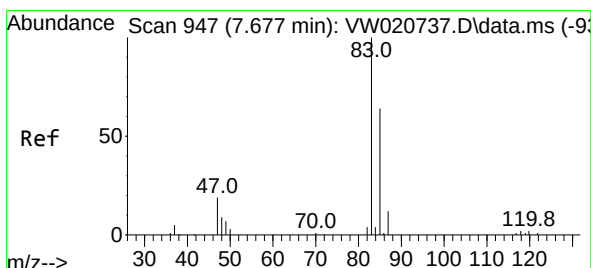
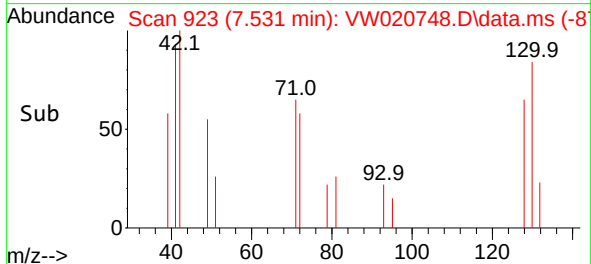
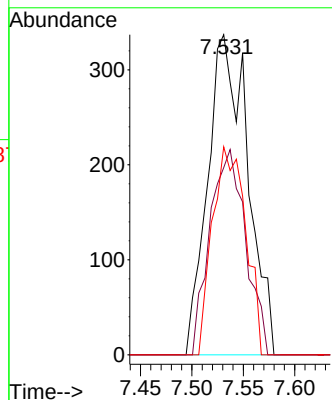
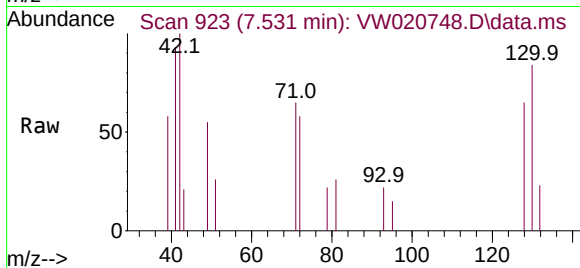
Tgt Ion: 42 Resp: 914

Ion Ratio Lower Upper

42 100

72 57.2 53.0 79.4

71 53.8 49.4 74.2



#30

Chloroform

Concen: 6.681 ug/l

RT: 7.683 min Scan# 948

Delta R.T. 0.006 min

Lab File: VW020748.D

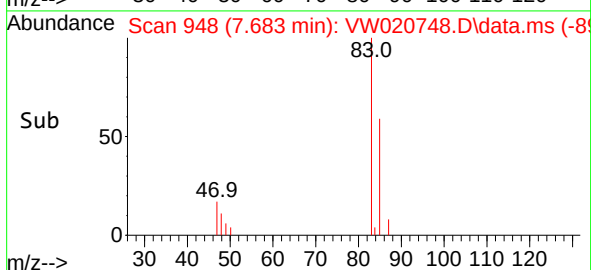
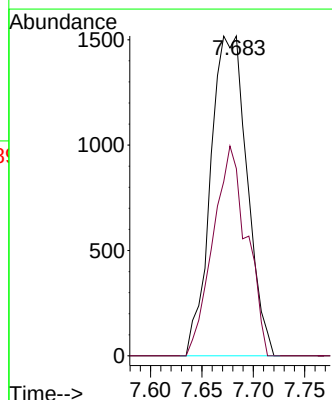
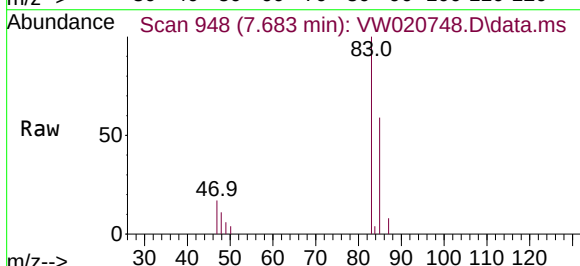
Acq: 02 Nov 2021 20:04

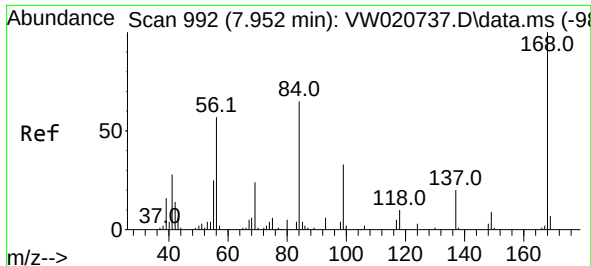
Tgt Ion: 83 Resp: 3743

Ion Ratio Lower Upper

83 100

85 58.6 51.2 76.8

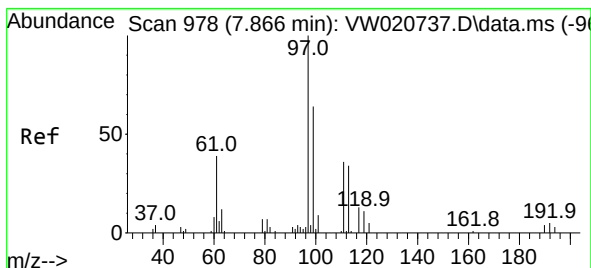
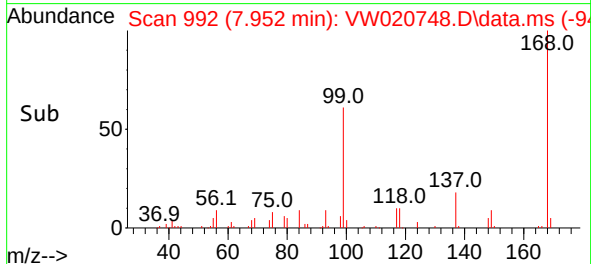
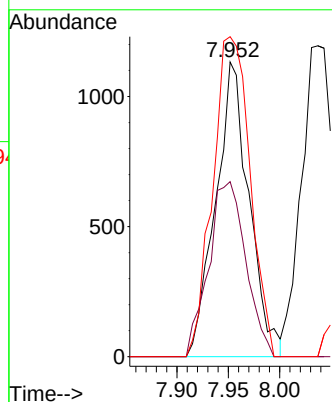
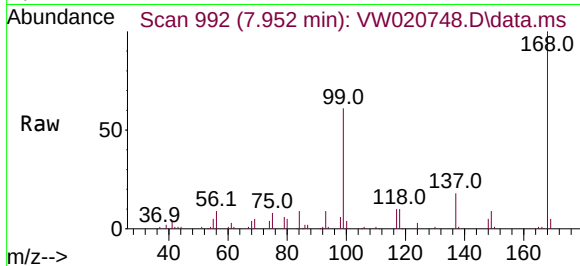




#31
Cyclohexane
Concen: 6.468 ug/l
RT: 7.952 min Scan# 992
Delta R.T. -0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

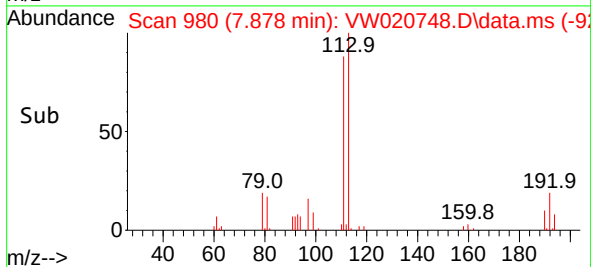
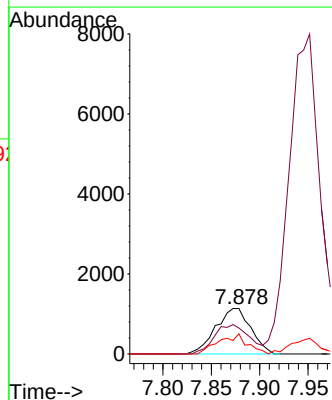
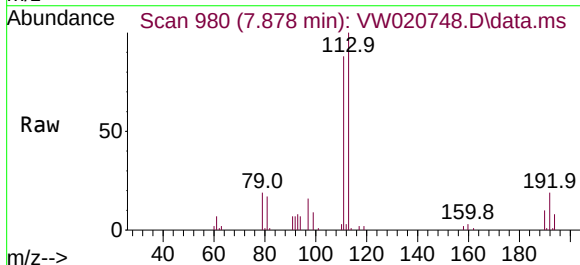
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

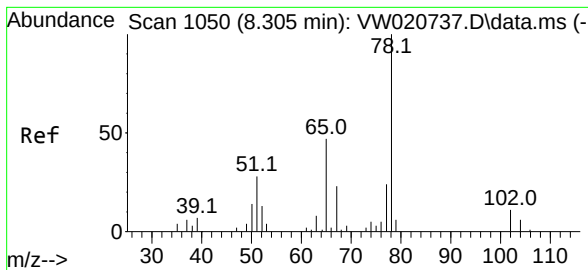
Tgt Ion: 56 Resp: 2570
Ion Ratio Lower Upper
56 100
69 59.4 34.2 51.2#
84 108.6 92.3 138.5



#32
1,1,1-Trichloroethane
Concen: 6.420 ug/l
RT: 7.878 min Scan# 980
Delta R.T. 0.012 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 97 Resp: 2864
Ion Ratio Lower Upper
97 100
99 64.8 52.1 78.1
61 36.1 30.2 45.2





#33

1,2-Dichloroethane-d4

Concen: 49.688 ug/l

RT: 8.305 min Scan# 1050

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

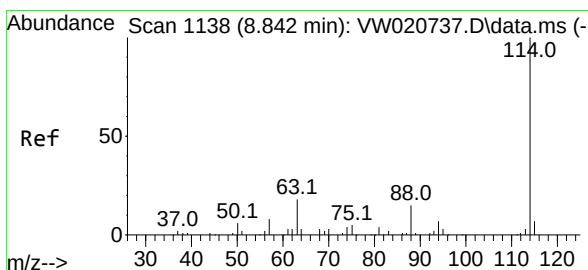
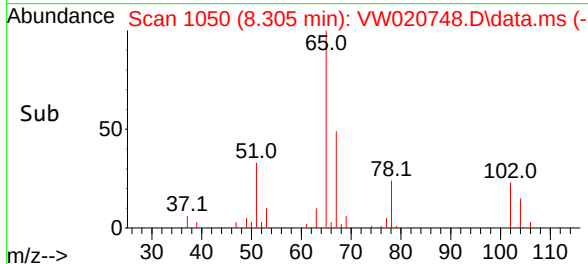
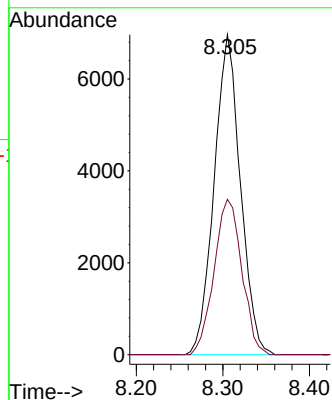
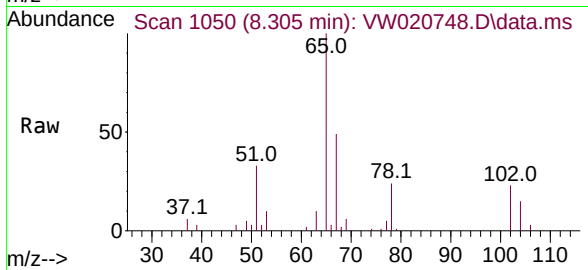
LOQ-SOIL-02-QT4-2021

Tgt Ion: 65 Resp: 14652

Ion Ratio Lower Upper

65 100

67 51.3 0.0 100.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.842 min Scan# 1138

Delta R.T. -0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

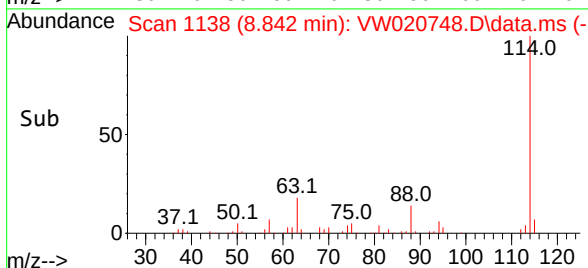
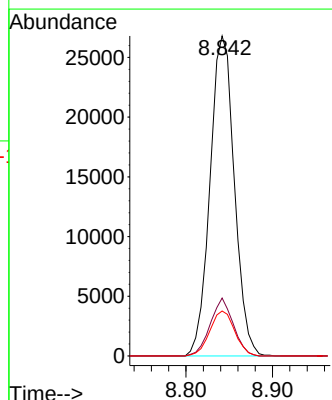
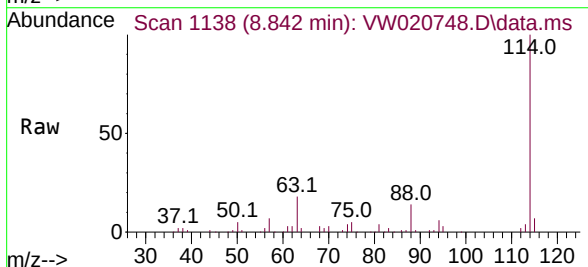
Tgt Ion: 114 Resp: 52316

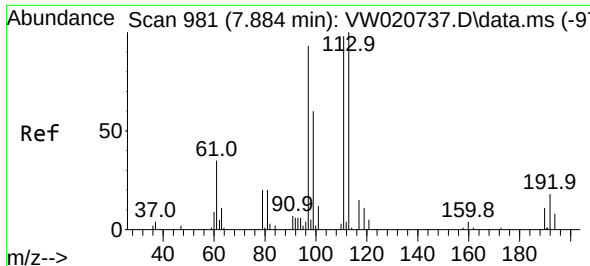
Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.8

88 14.0 0.0 30.8

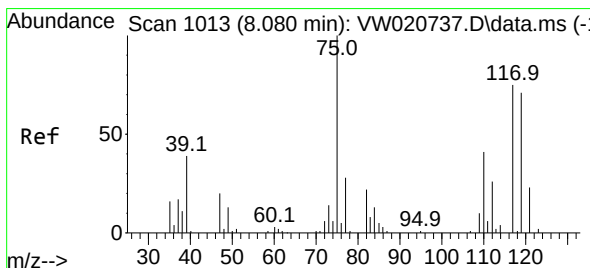
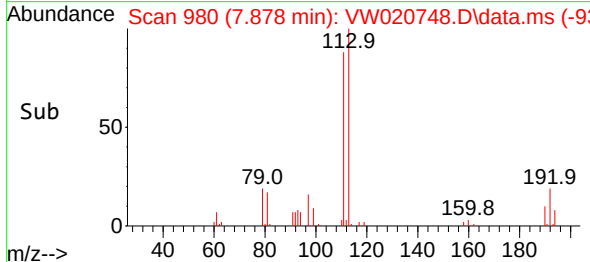
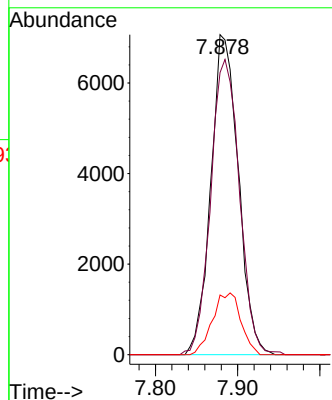
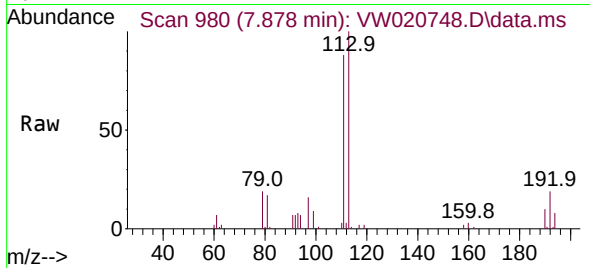




#35
Dibromofluoromethane
Concen: 49.370 ug/l
RT: 7.878 min Scan# 981
Delta R.T. -0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

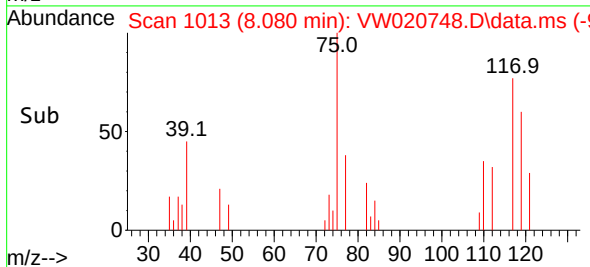
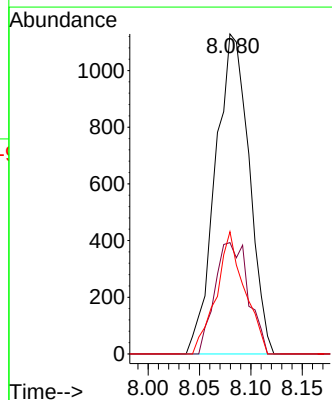
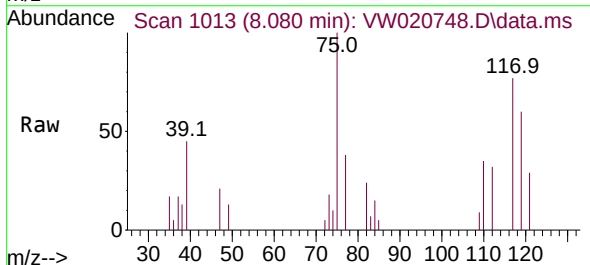
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

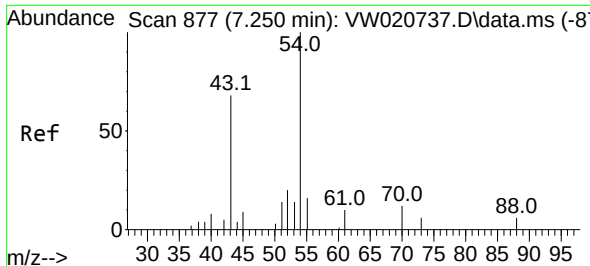
Tgt Ion:113 Resp: 16415
Ion Ratio Lower Upper
113 100
111 96.4 81.7 122.5
192 19.9 14.7 22.1



#36
1,1-Dichloropropene
Concen: 6.118 ug/l
RT: 8.080 min Scan# 1013
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 75 Resp: 2576
Ion Ratio Lower Upper
75 100
110 34.6 20.3 60.8
77 32.1 24.2 36.4





#37

Ethyl Acetate

Concen: 5.358 ug/l

RT: 7.251 min Scan# 81

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

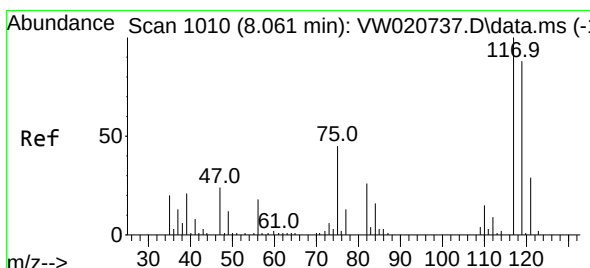
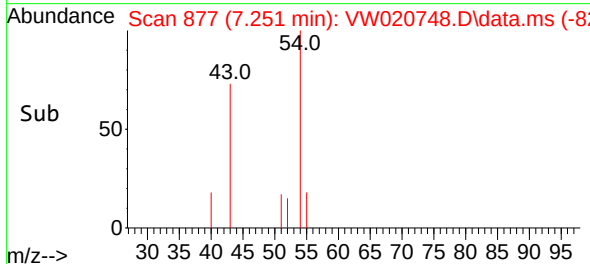
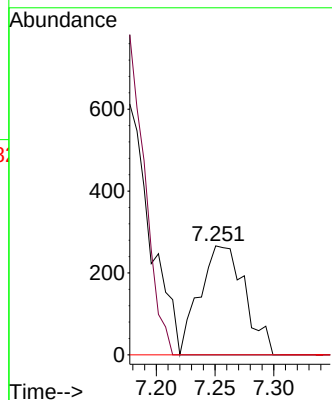
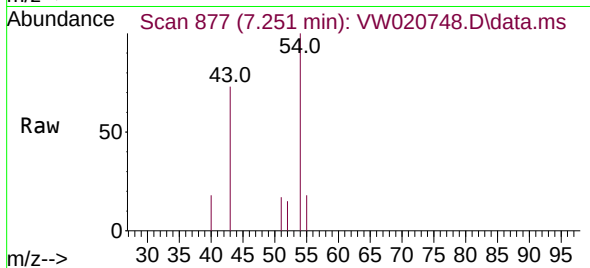
Tgt Ion: 43 Resp: 709

Ion Ratio Lower Upper

43 100

61 0.0 13.4 20.0#

70 0.0 11.4 17.0#



#38

Carbon Tetrachloride

Concen: 5.965 ug/l

RT: 8.061 min Scan# 1010

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

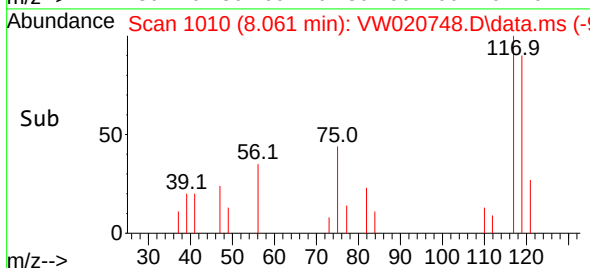
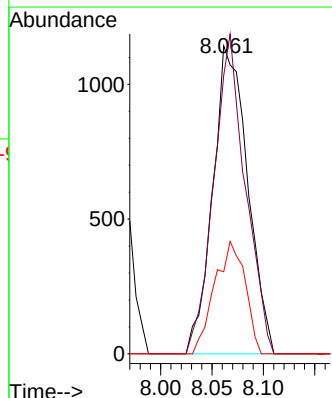
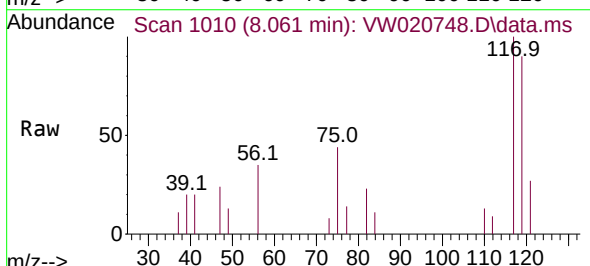
Tgt Ion: 117 Resp: 2689

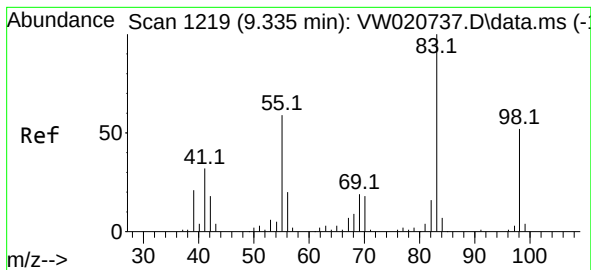
Ion Ratio Lower Upper

117 100

119 90.4 70.6 106.0

121 26.7 23.3 34.9





#39

Methylcyclohexane

Concen: 5.170 ug/l

RT: 9.336 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

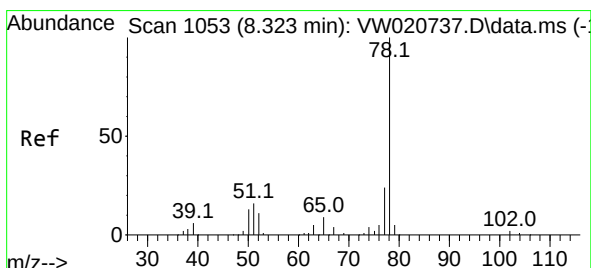
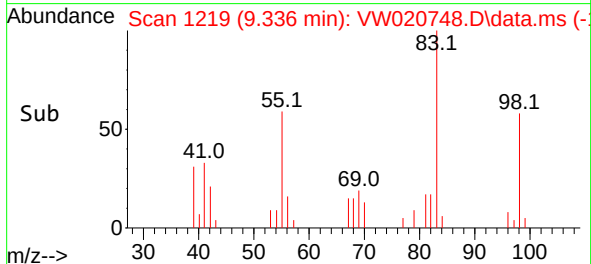
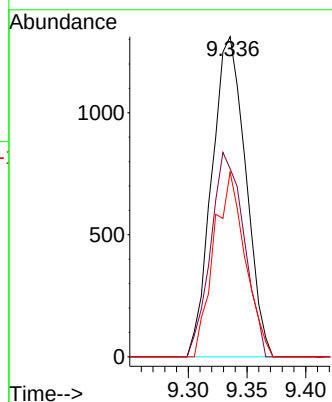
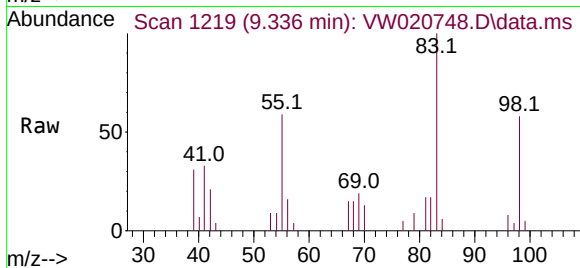
Tgt Ion: 83 Resp: 2626

Ion Ratio Lower Upper

83 100

55 58.8 47.4 71.0

98 57.7 41.8 62.6



#40

Benzene

Concen: 6.668 ug/l

RT: 8.324 min Scan# 1053

Delta R.T. 0.000 min

Lab File: VW020748.D

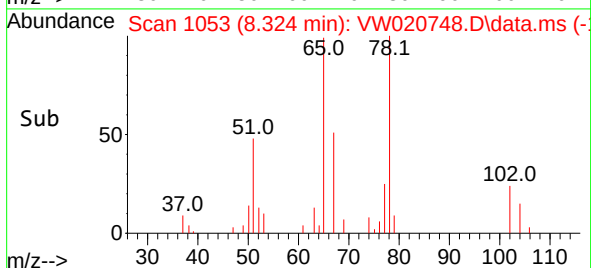
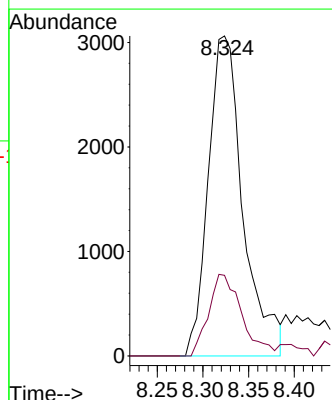
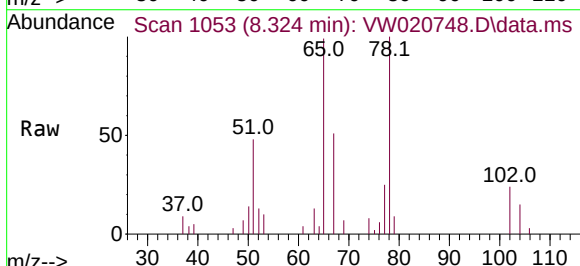
Acq: 02 Nov 2021 20:04

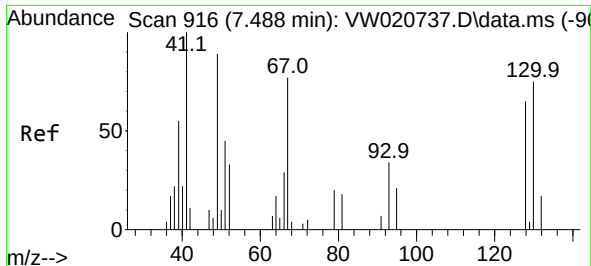
Tgt Ion: 78 Resp: 8089

Ion Ratio Lower Upper

78 100

77 25.2 19.0 28.4

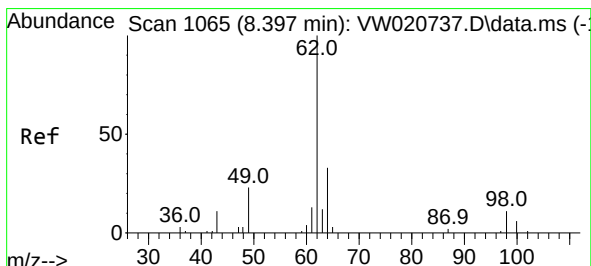
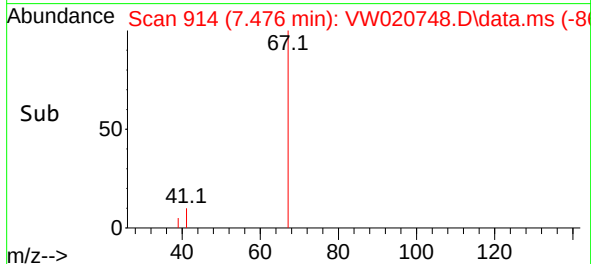
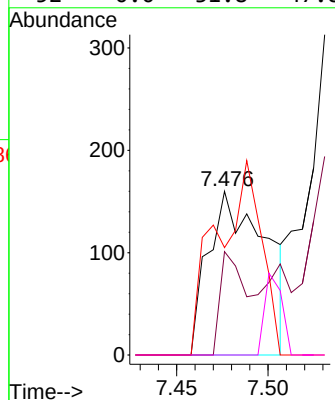
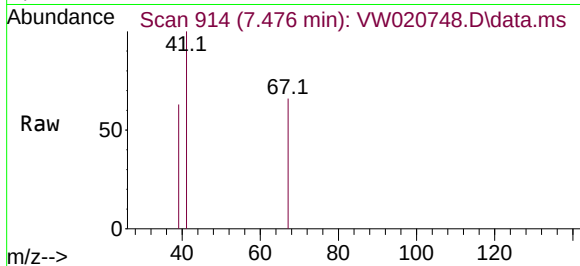




#41
Methacrylonitrile
Concen: 5.350 ug/l
RT: 7.476 min Scan# 914
Delta R.T. -0.012 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

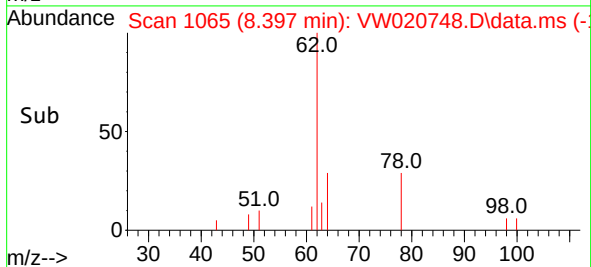
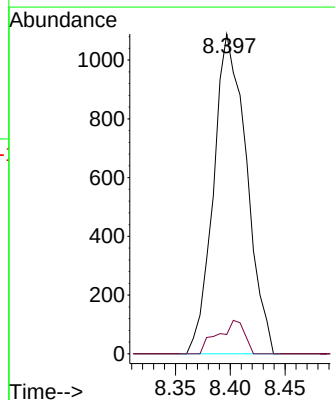
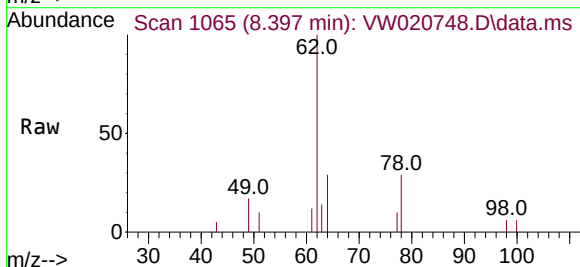
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

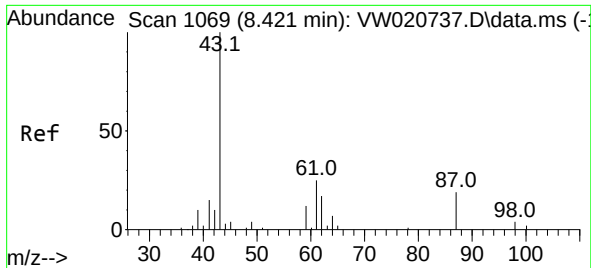
Tgt Ion: 41	Resp: 349
Ion Ratio	Lower Upper
41 100	
39 25.8	51.6 77.4#
67 0.0	81.0 121.4#
52 0.0	31.8 47.8#



#42
1,2-Dichloroethane
Concen: 6.577 ug/l
RT: 8.397 min Scan# 1065
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 62	Resp:	2279	
Ion	Ratio	Lower	Upper
62	100		
98	8.4	0.0	21.6

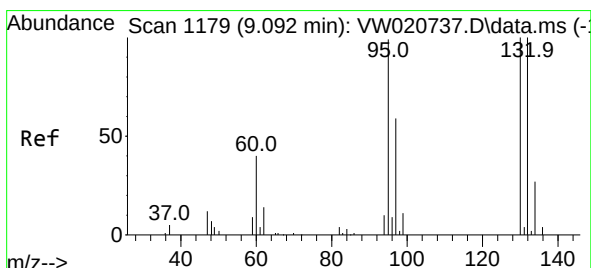
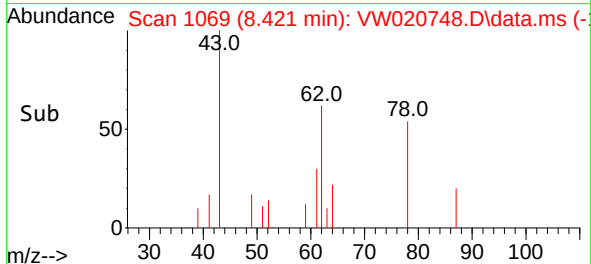
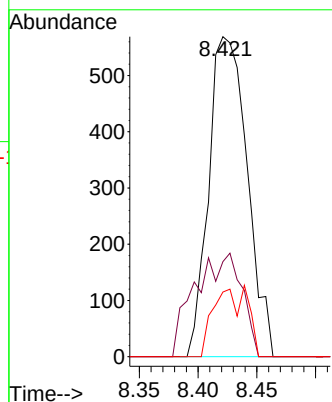
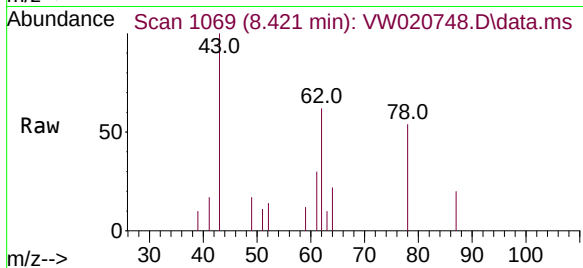




#43
Isopropyl Acetate
Concen: 5.203 ug/l
RT: 8.421 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

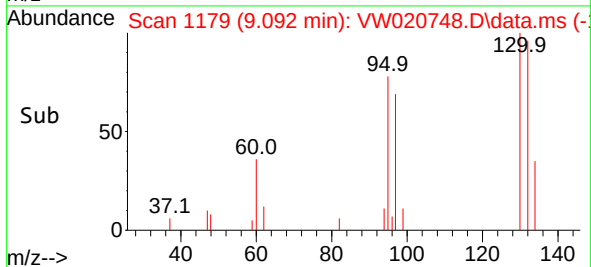
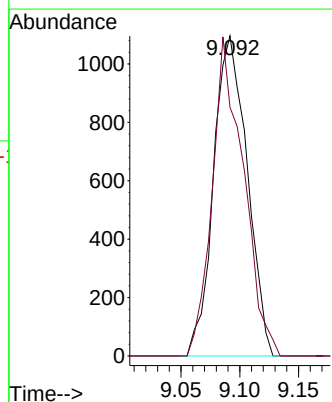
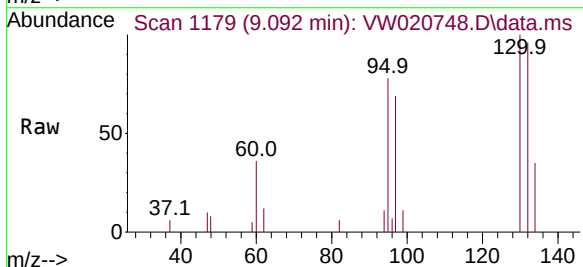
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

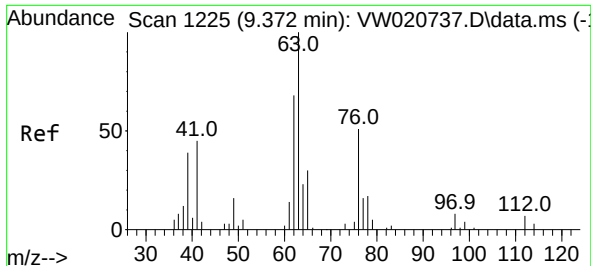
Tgt Ion: 43	Resp:	1296
Ion	Ratio	Lower Upper
43	100	
61	39.6	30.0 45.0
87	19.1	15.0 22.4



#44
Trichloroethene
Concen: 5.853 ug/l
RT: 9.092 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 130	Resp:	2178
Ion	Ratio	Lower Upper
130	100	
95	77.7	0.0 198.6





#45

1,2-Dichloropropane

Concen: 6.192 ug/l

RT: 9.372 min Scan# 1225

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

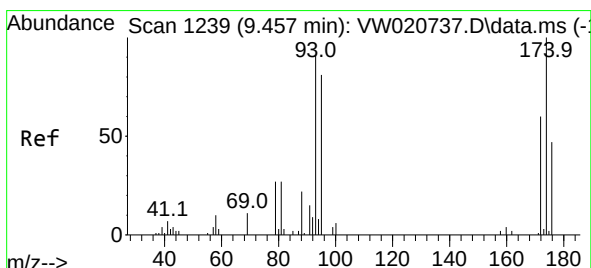
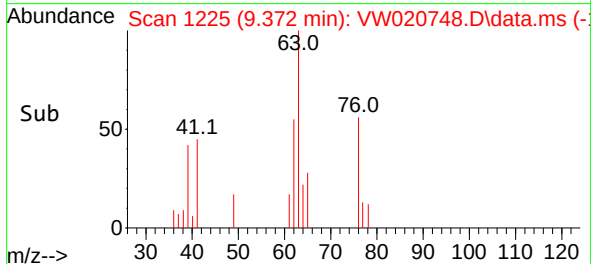
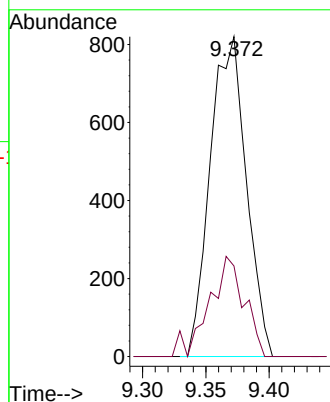
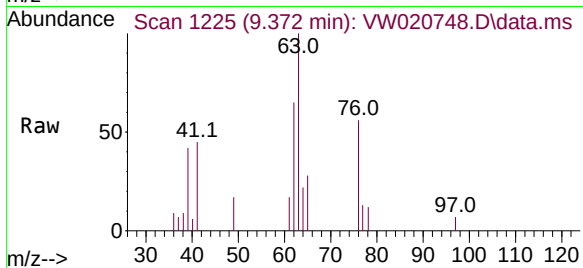
LOQ-SOIL-02-QT4-2021

Tgt Ion: 63 Resp: 1625

Ion Ratio Lower Upper

63 100

65 28.3 24.2 36.2



#46

Dibromomethane

Concen: 5.445 ug/l

RT: 9.457 min Scan# 1239

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

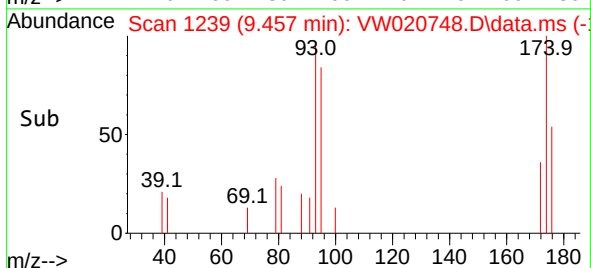
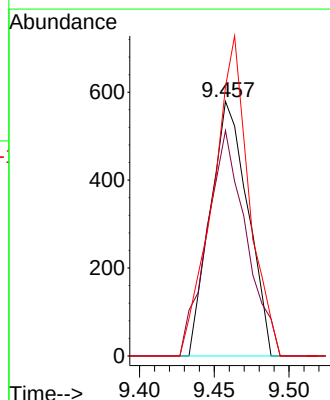
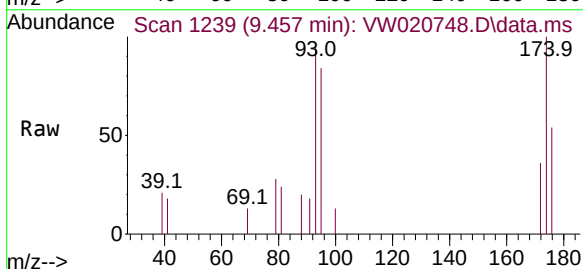
Tgt Ion: 93 Resp: 1008

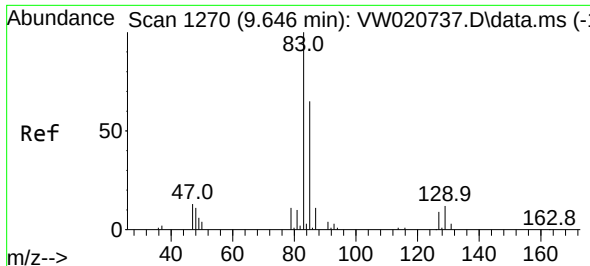
Ion Ratio Lower Upper

93 100

95 92.9 68.6 103.0

174 120.9 87.8 131.8

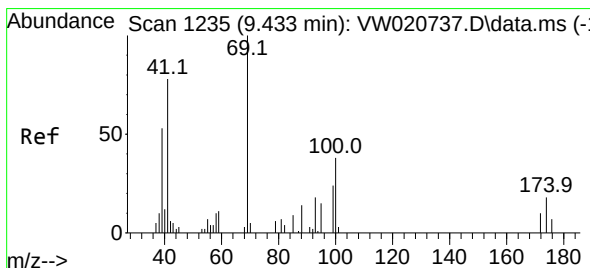
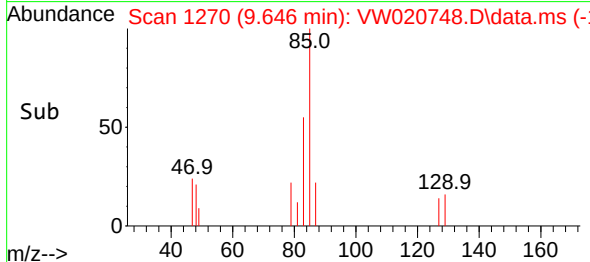
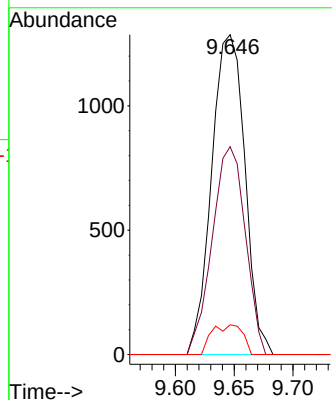
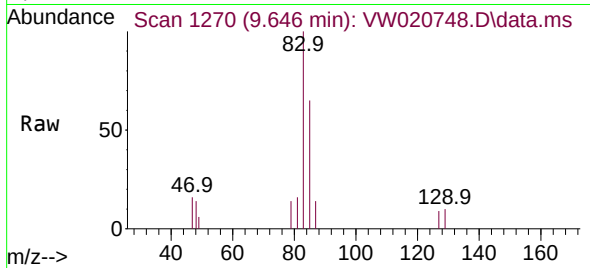




#47
Bromodichloromethane
Concen: 5.847 ug/l
RT: 9.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

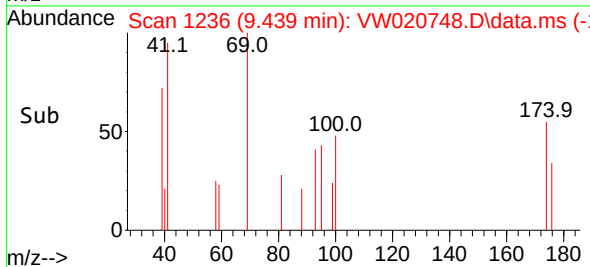
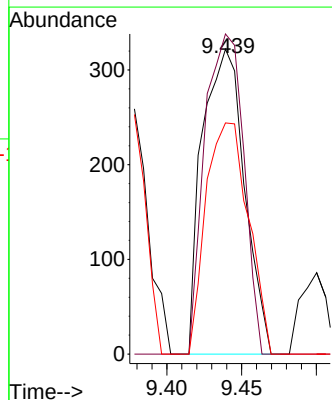
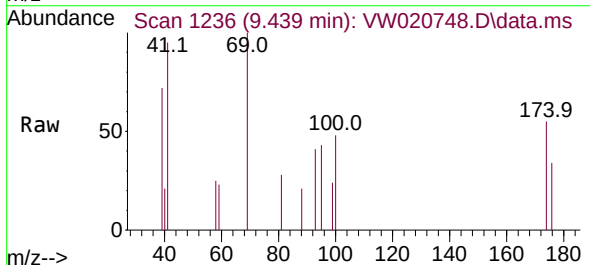
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

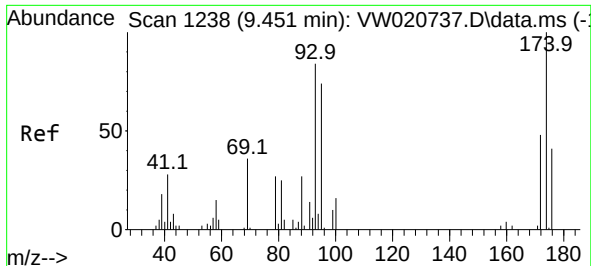
Tgt Ion: 83	Resp: 2532
Ion Ratio	Lower Upper
83 100	
85 65.0	51.9 77.9
127 9.3	7.6 11.4



#48
Methyl methacrylate
Concen: 5.572 ug/l
RT: 9.439 min Scan# 1236
Delta R.T. 0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 41	Resp: 631
Ion Ratio	Lower Upper
41 100	
69 96.7	96.4 144.6
39 76.4	51.9 77.9





#49

1,4-Dioxane

Concen: 110.012 ug/l

RT: 9.445 min Scan# 1237

Delta R.T. -0.006 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

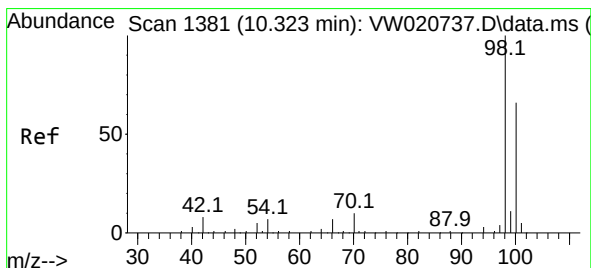
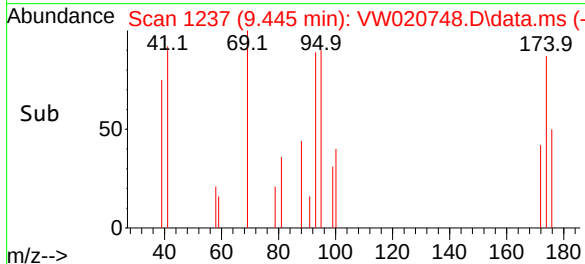
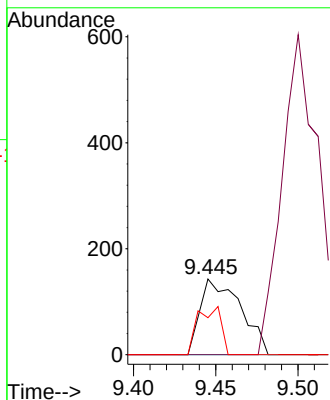
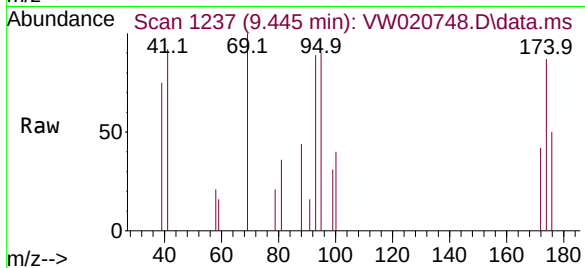
Tgt Ion: 88 Resp: 245

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 36.3 46.2 69.4#



#50

Toluene-d8

Concen: 46.391 ug/l

RT: 10.323 min Scan# 1381

Delta R.T. 0.000 min

Lab File: VW020748.D

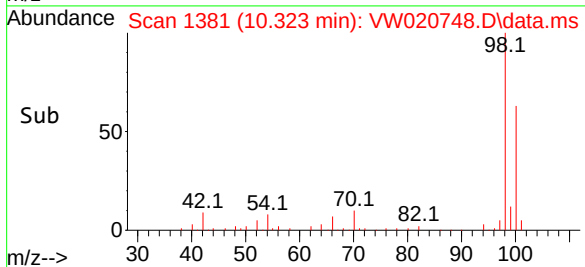
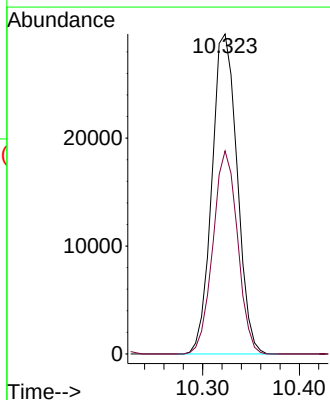
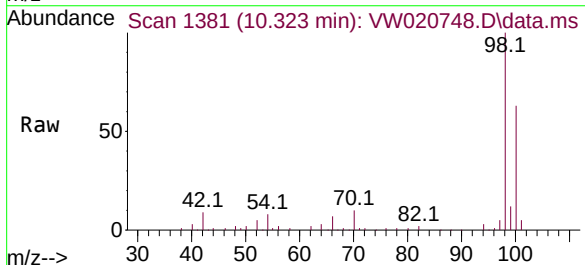
Acq: 02 Nov 2021 20:04

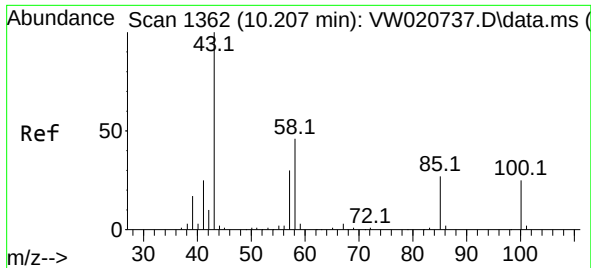
Tgt Ion: 98 Resp: 53720

Ion Ratio Lower Upper

98 100

100 61.9 50.2 75.4





#51

4-Methyl-2-Pentanone

Concen: 26.533 ug/l

RT: 10.207 min Scan# 1

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

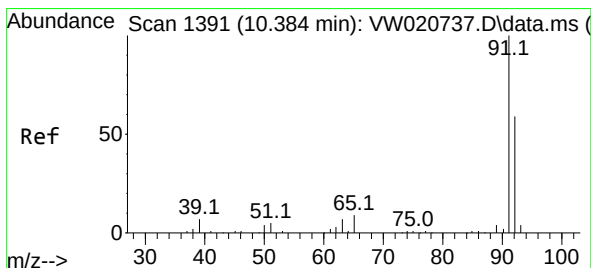
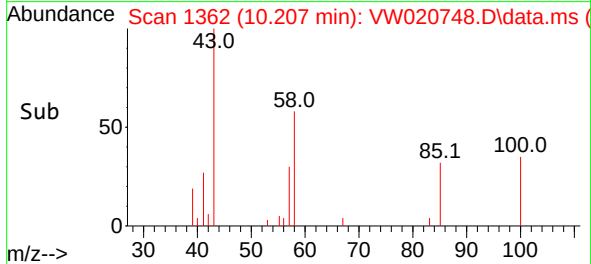
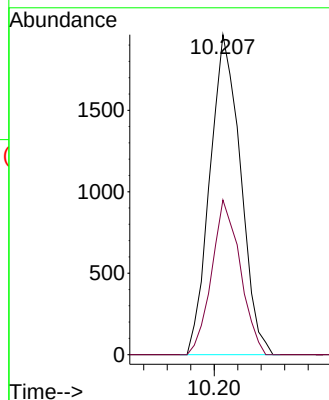
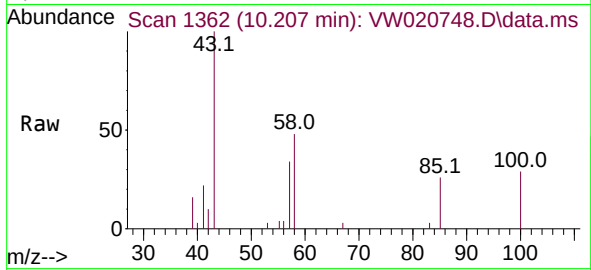
LOQ-SOIL-02-QT4-2021

Tgt Ion: 43 Resp: 3551

Ion Ratio Lower Upper

43 100

58 45.1 37.4 56.2



#52

Toluene

Concen: 6.049 ug/l

RT: 10.384 min Scan# 1391

Delta R.T. 0.000 min

Lab File: VW020748.D

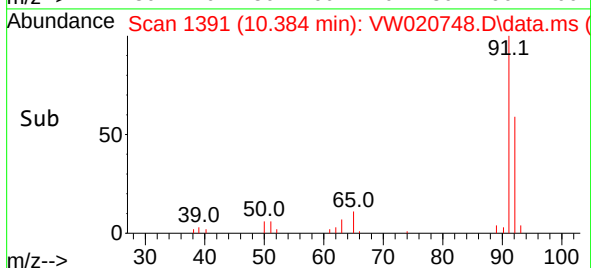
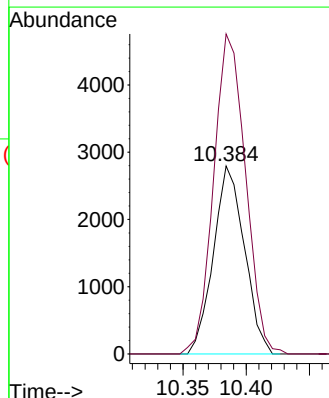
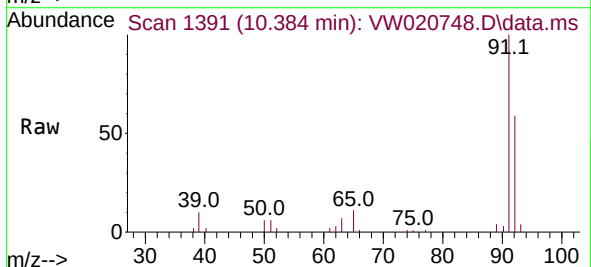
Acq: 02 Nov 2021 20:04

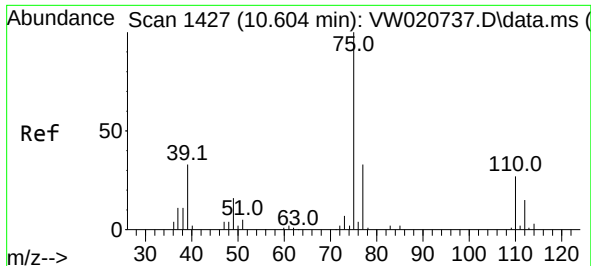
Tgt Ion: 92 Resp: 4764

Ion Ratio Lower Upper

92 100

91 175.1 144.3 216.5

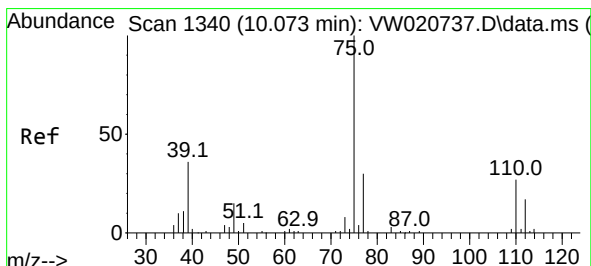
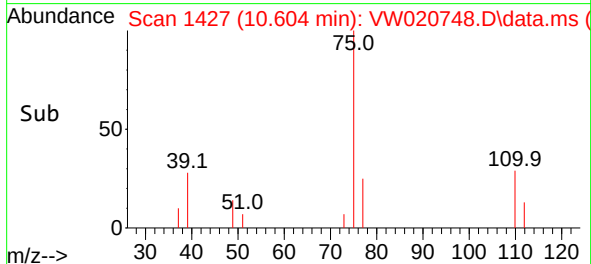
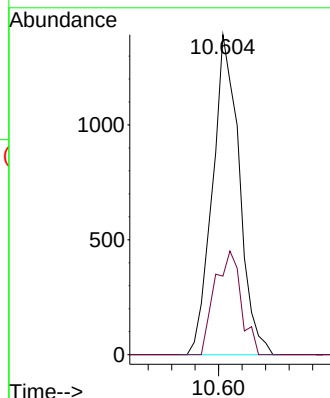
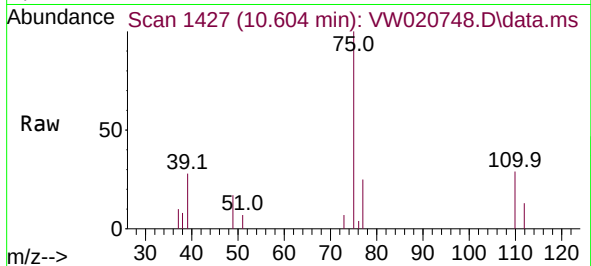




#53
t-1,3-Dichloropropene
Concen: 5.538 ug/l
RT: 10.604 min Scan# 1427
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

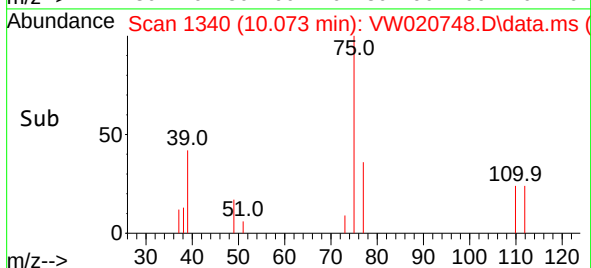
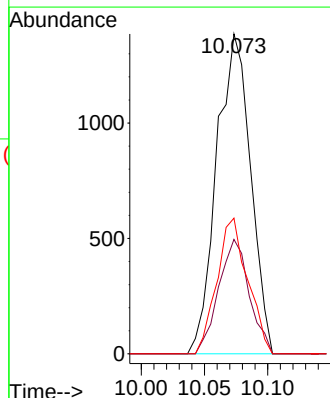
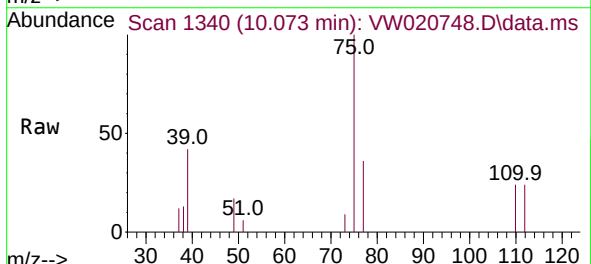
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

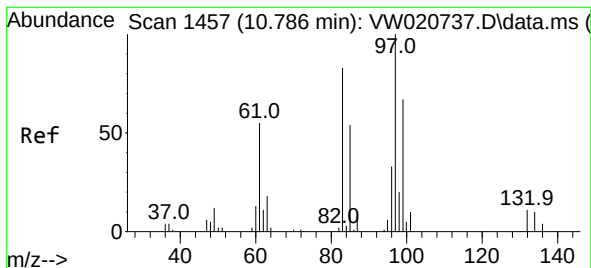
Tgt Ion: 75 Resp: 2203
Ion Ratio Lower Upper
75 100
77 24.6 26.1 39.1#



#54
cis-1,3-Dichloropropene
Concen: 5.700 ug/l
RT: 10.073 min Scan# 1340
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 75 Resp: 2583
Ion Ratio Lower Upper
75 100
77 35.8 24.2 36.4
39 42.4 29.2 43.8





#55

1,1,2-Trichloroethane

Concen: 6.176 ug/l

RT: 10.787 min Scan# 1457

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

Tgt Ion: 97 Resp: 1574

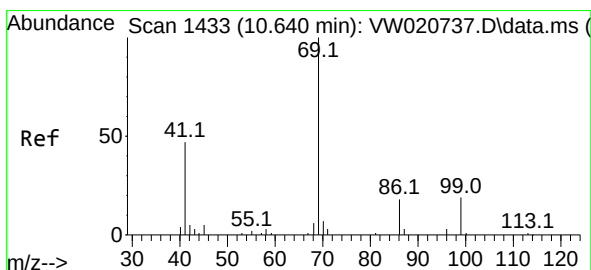
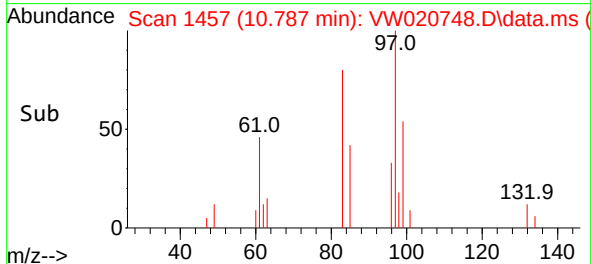
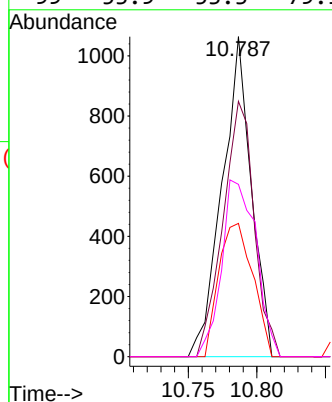
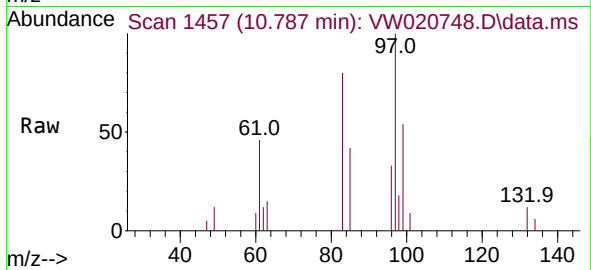
Ion Ratio Lower Upper

97 100

83 79.8 66.5 99.7

85 41.6 43.0 64.6#

99 53.9 53.3 79.9



#56

Ethyl methacrylate

Concen: 5.118 ug/l

RT: 10.640 min Scan# 1433

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

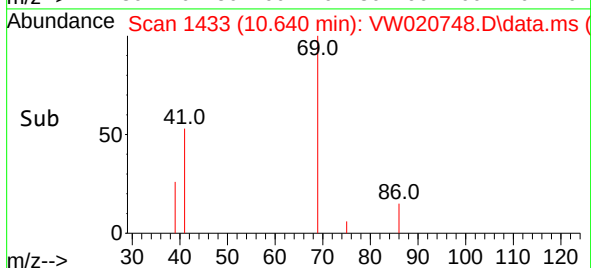
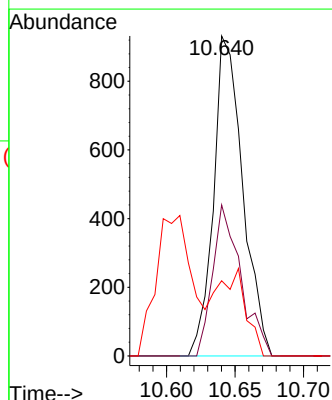
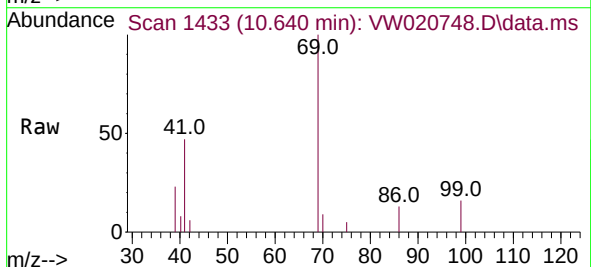
Tgt Ion: 69 Resp: 1381

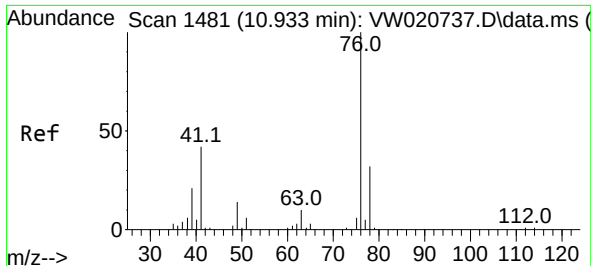
Ion Ratio Lower Upper

69 100

41 45.5 39.2 58.8

39 27.5 26.5 39.7





#57

1,3-Dichloropropane

Concen: 6.075 ug/l

RT: 10.927 min Scan# 1480

Delta R.T. -0.006 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

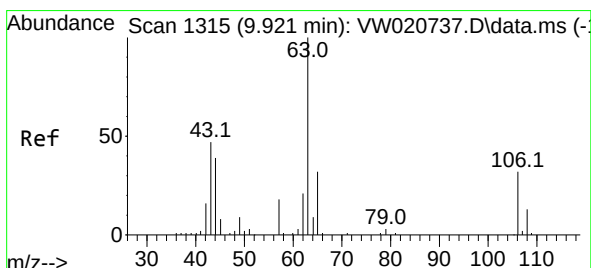
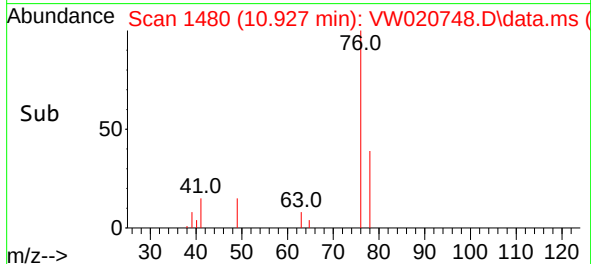
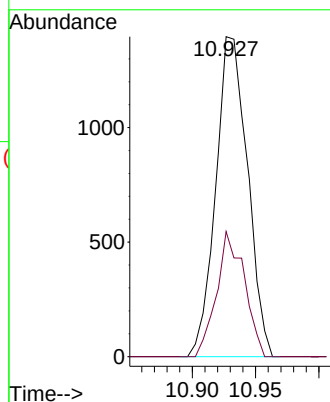
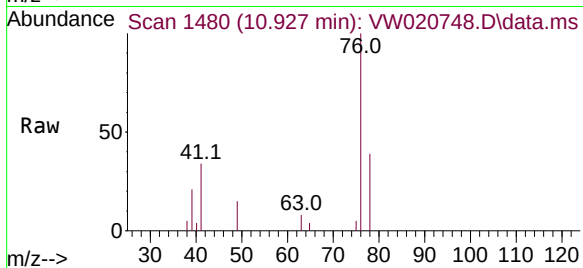
LOQ-SOIL-02-QT4-2021

Tgt Ion: 76 Resp: 2436

Ion Ratio Lower Upper

76 100

78 34.2 26.7 40.1



#58

2-Chloroethyl Vinyl ether

Concen: 22.558 ug/l

RT: 9.927 min Scan# 1316

Delta R.T. 0.006 min

Lab File: VW020748.D

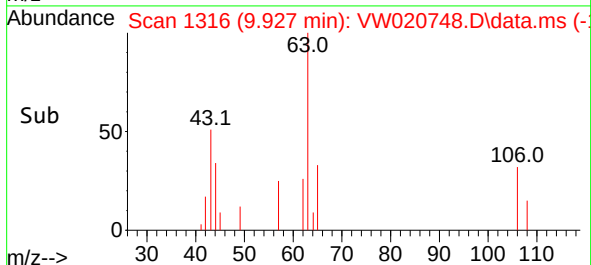
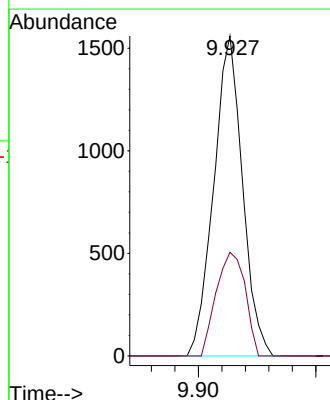
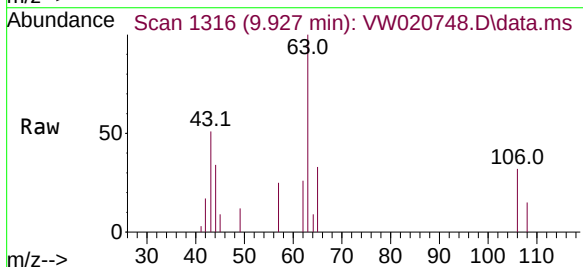
Acq: 02 Nov 2021 20:04

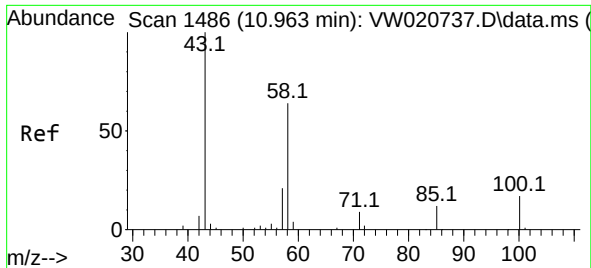
Tgt Ion: 63 Resp: 2649

Ion Ratio Lower Upper

63 100

106 32.5 27.4 41.0

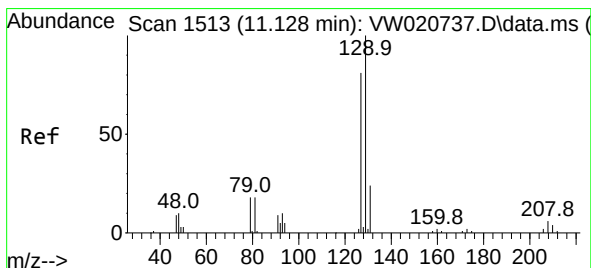
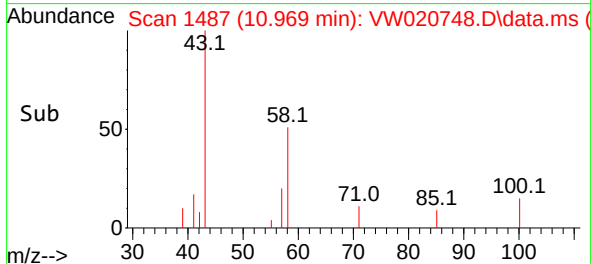
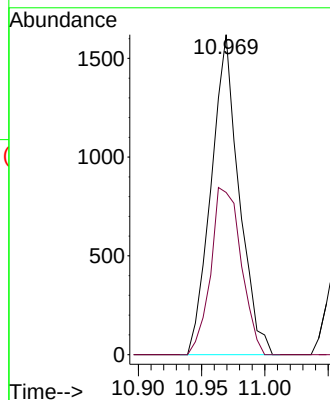
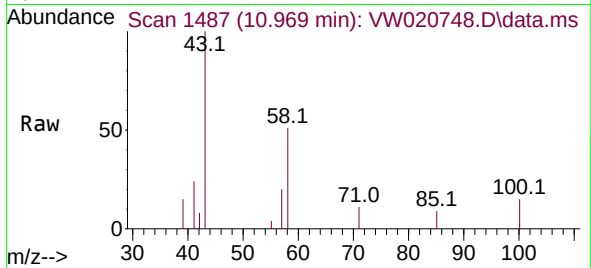




#59
2-Hexanone
Concen: 26.506 ug/l
RT: 10.969 min Scan# 1486
Delta R.T. 0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

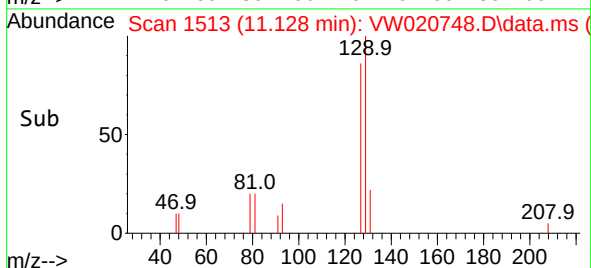
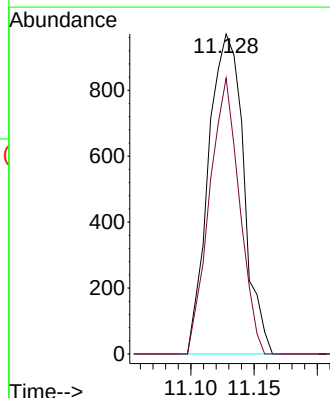
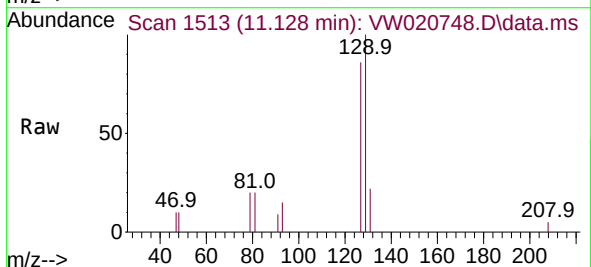
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

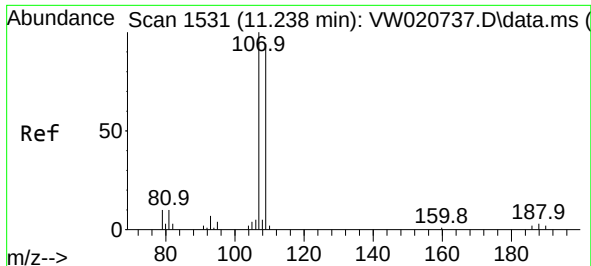
Tgt Ion: 43 Resp: 2480
Ion Ratio Lower Upper
43 100
58 56.8 32.5 97.4



#60
Dibromochloromethane
Concen: 5.908 ug/l
RT: 11.128 min Scan# 1513
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 129 Resp: 1876
Ion Ratio Lower Upper
129 100
127 73.7 39.4 118.1

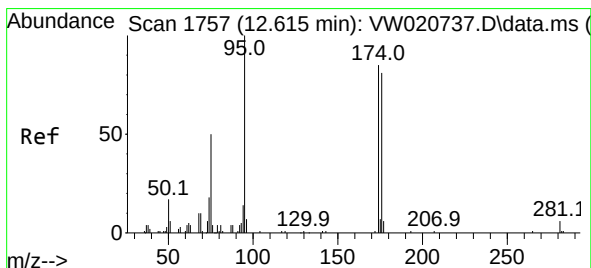
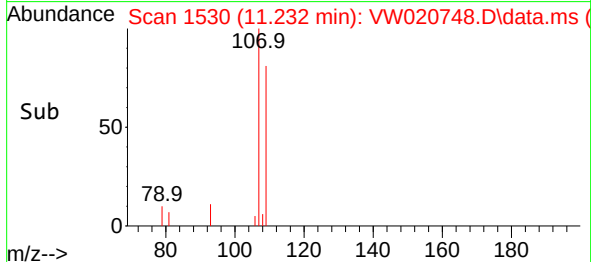
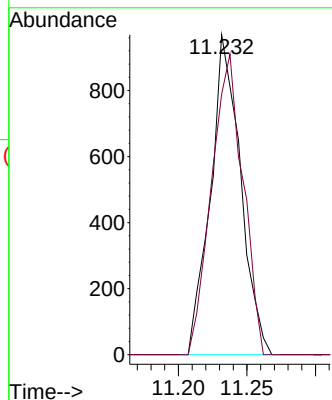
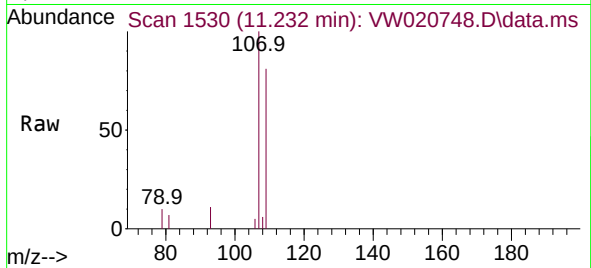




#61
1,2-Dibromoethane
Concen: 5.807 ug/l
RT: 11.232 min Scan# 11
Delta R.T. -0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

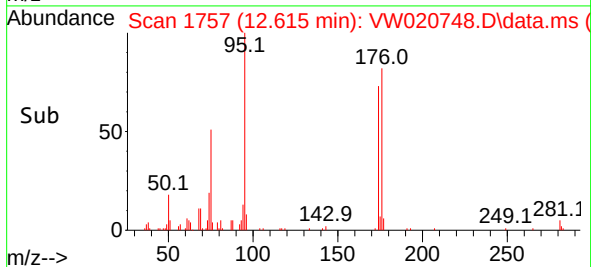
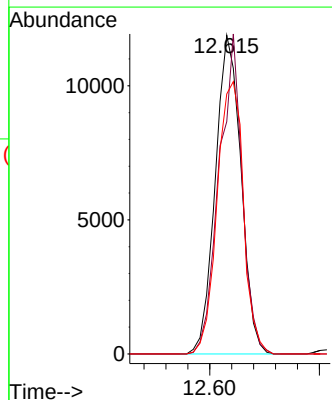
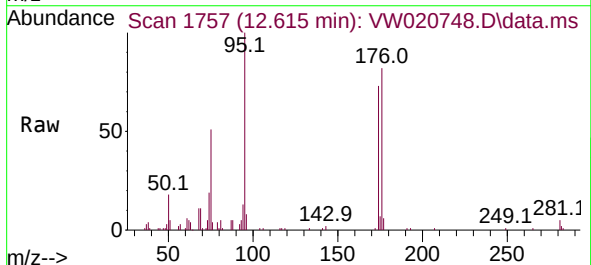
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

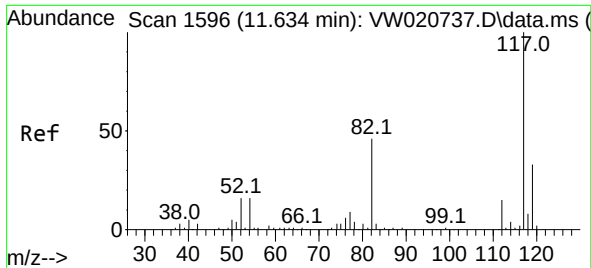
Tgt Ion:107 Resp: 1472
Ion Ratio Lower Upper
107 100
109 98.7 75.0 112.6



#62
4-Bromofluorobenzene
Concen: 47.412 ug/l
RT: 12.615 min Scan# 1757
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 95 Resp: 19345
Ion Ratio Lower Upper
95 100
174 89.9 0.0 182.8
176 87.3 0.0 170.4

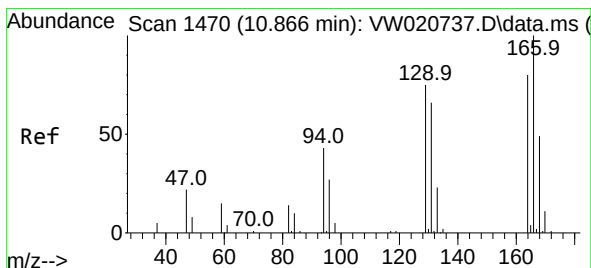
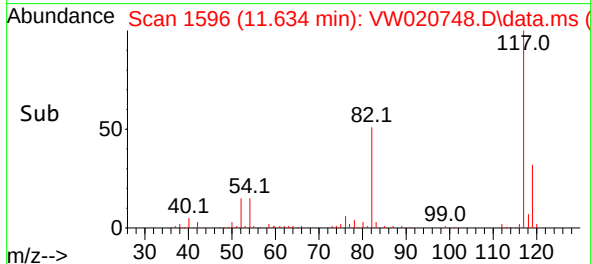
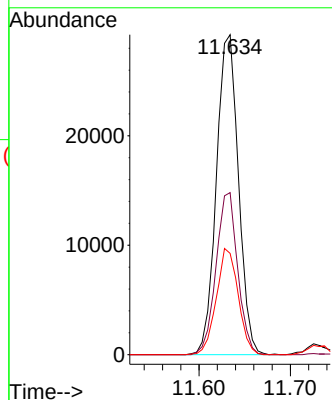
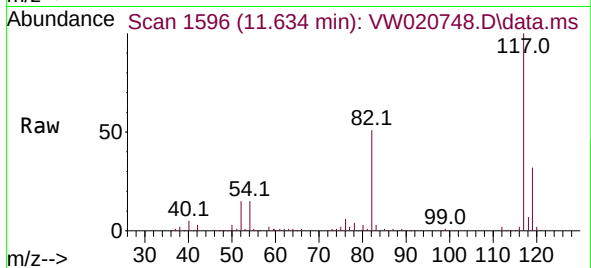




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.634 min Scan# 11
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

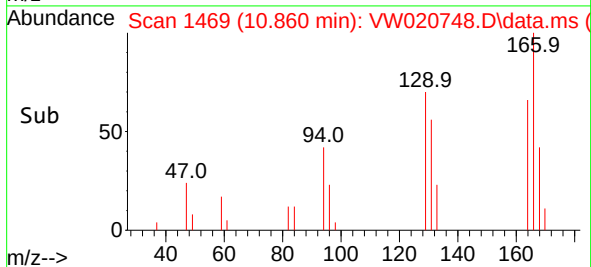
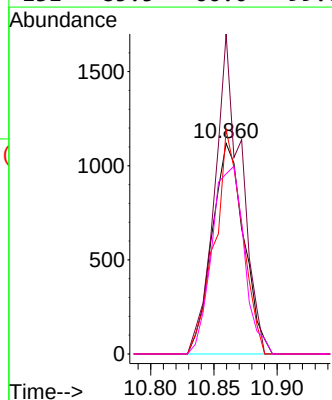
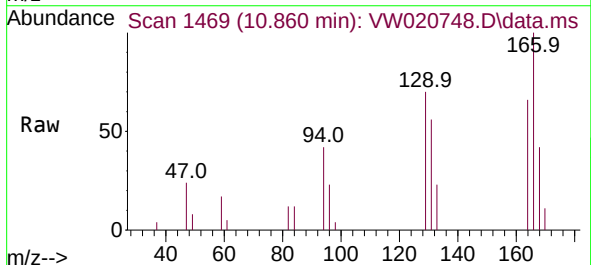
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

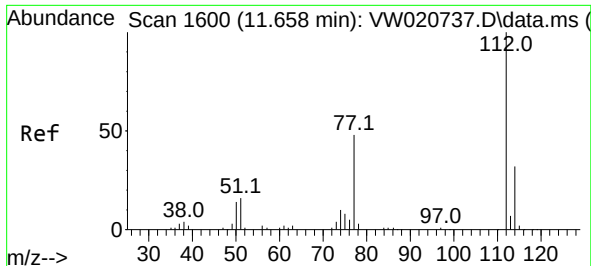
Tgt Ion:	117	Resp:	49007
Ion	Ratio	Lower	Upper
117	100		
82	50.6	37.0	55.4
119	31.6	26.0	39.0



#64
Tetrachloroethene
Concen: 6.128 ug/l
RT: 10.860 min Scan# 1469
Delta R.T. -0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion:	164	Resp:	1960
Ion	Ratio	Lower	Upper
164	100		
166	151.9	100.5	150.7#
129	106.4	75.5	113.3
131	85.5	66.0	99.0

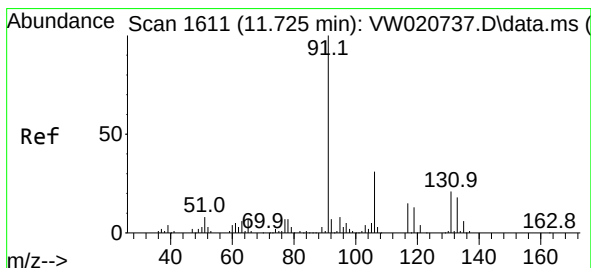
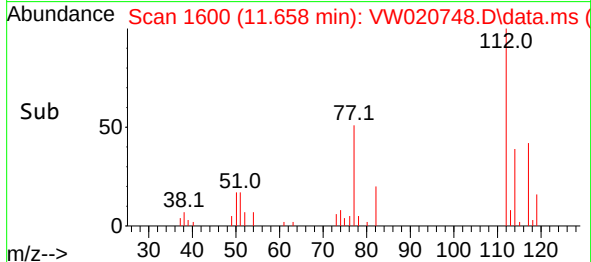
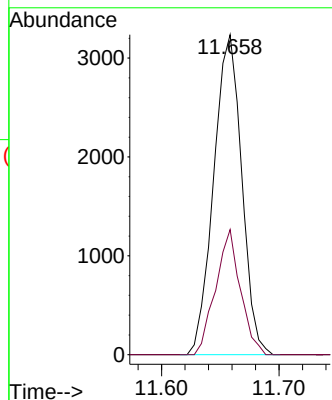
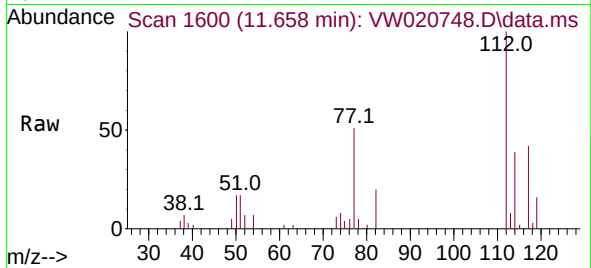




#65
Chlorobenzene
Concen: 5.828 ug/l
RT: 11.658 min Scan# 1600
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

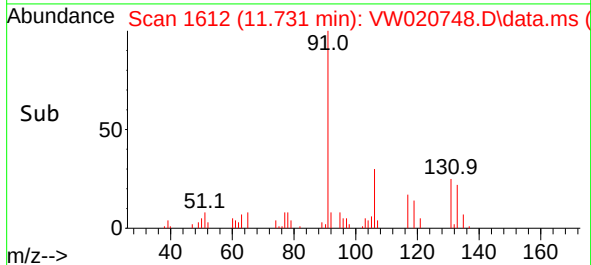
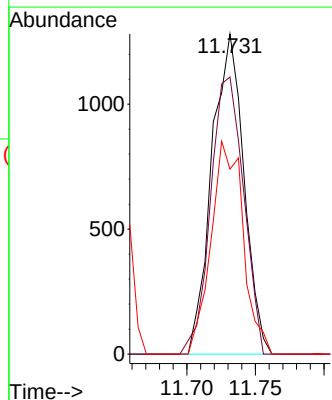
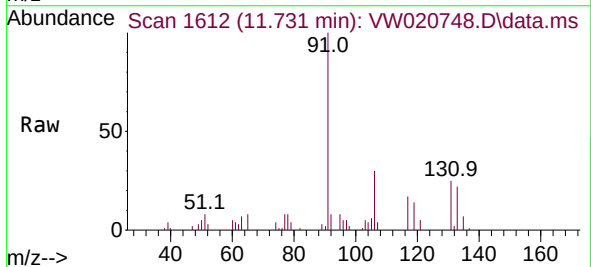
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

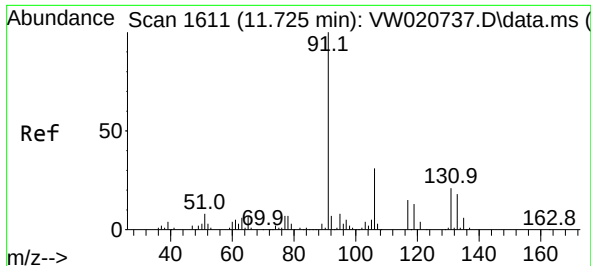
Tgt Ion:112 Resp: 5361
Ion Ratio Lower Upper
112 100
114 39.1 25.9 38.9#



#66
1,1,1,2-Tetrachloroethane
Concen: 6.138 ug/l
RT: 11.731 min Scan# 1612
Delta R.T. 0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion:131 Resp: 2081
Ion Ratio Lower Upper
131 100
133 89.1 45.9 137.6
119 66.5 32.1 96.3





#67

Ethyl Benzene

Concen: 5.551 ug/l

RT: 11.731 min Scan# 1

Delta R.T. 0.006 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

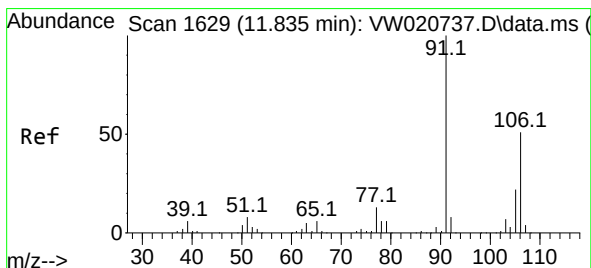
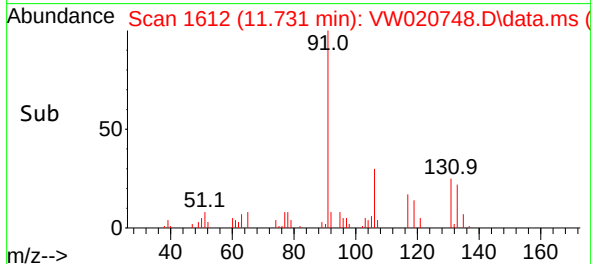
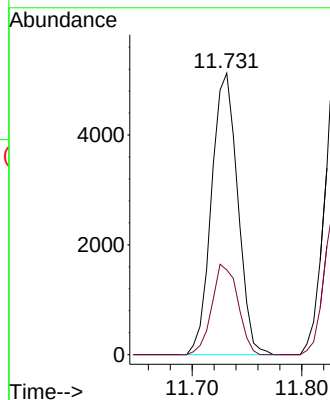
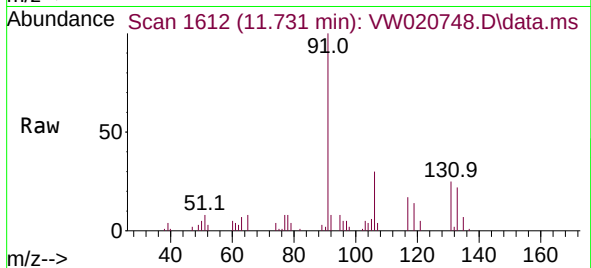
LOQ-SOIL-02-QT4-2021

Tgt Ion: 91 Resp: 8514

Ion Ratio Lower Upper

91 100

106 30.1 24.5 36.7



#68

m/p-Xylenes

Concen: 11.316 ug/l

RT: 11.841 min Scan# 1630

Delta R.T. 0.006 min

Lab File: VW020748.D

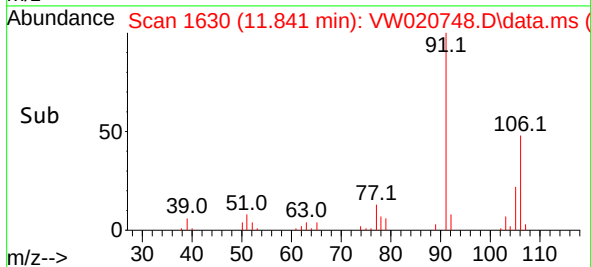
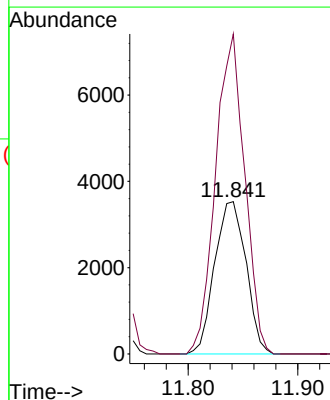
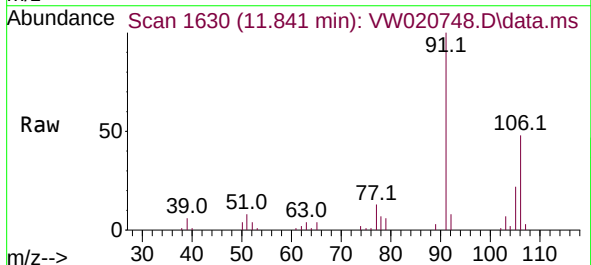
Acq: 02 Nov 2021 20:04

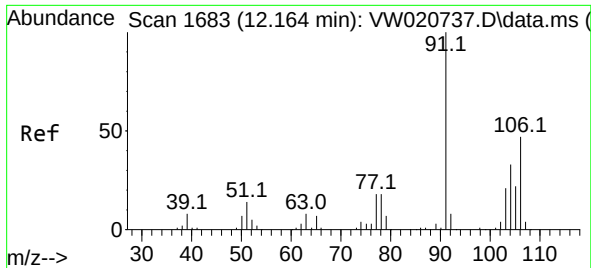
Tgt Ion:106 Resp: 7009

Ion Ratio Lower Upper

106 100

91 195.6 157.8 236.8

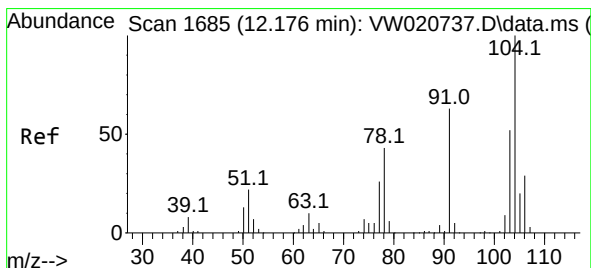
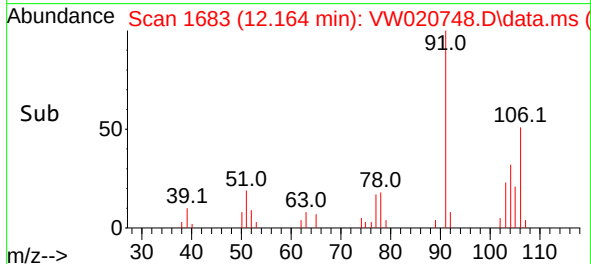
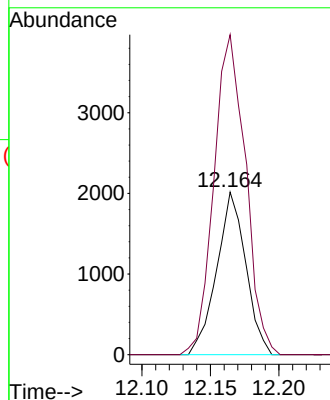
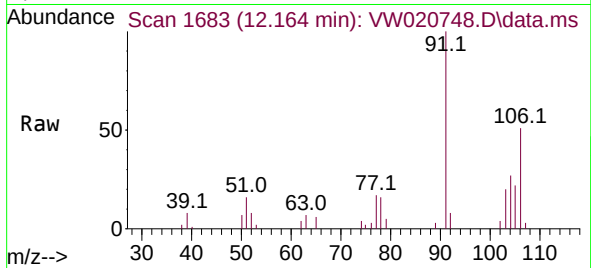




#69
o-Xylene
Concen: 5.150 ug/l
RT: 12.164 min Scan# 1
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

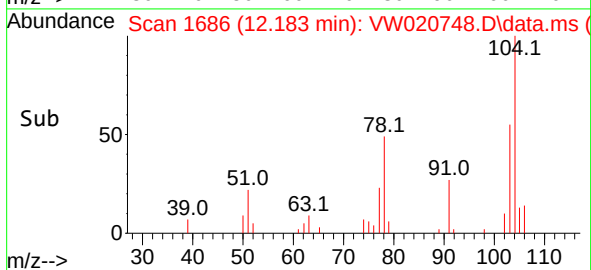
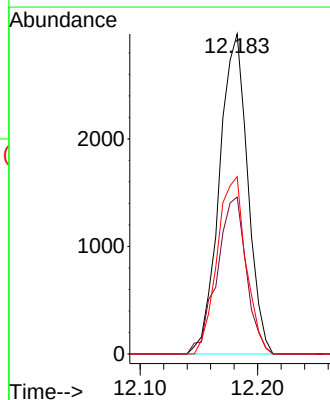
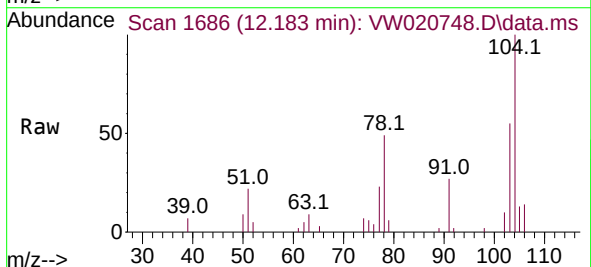
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

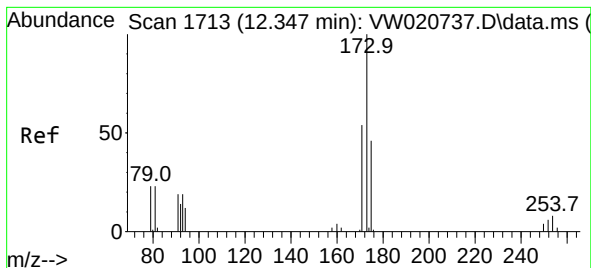
Tgt Ion:106 Resp: 2978
Ion Ratio Lower Upper
106 100
91 213.7 103.6 310.8



#70
Styrene
Concen: 5.089 ug/l
RT: 12.183 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion:104 Resp: 4974
Ion Ratio Lower Upper
104 100
78 50.9 36.4 54.6
103 56.2 45.0 67.6





#71

Bromoform

Concen: 5.746 ug/l

RT: 12.347 min Scan# 11

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

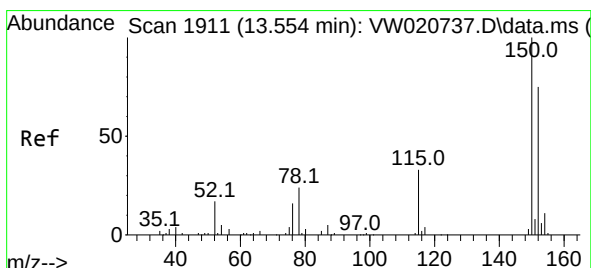
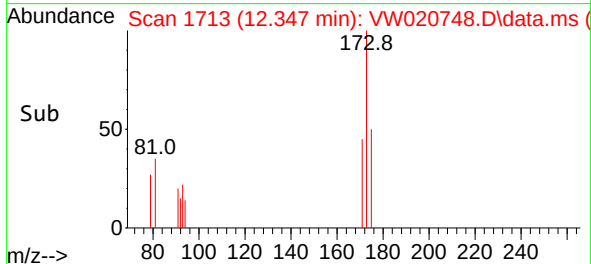
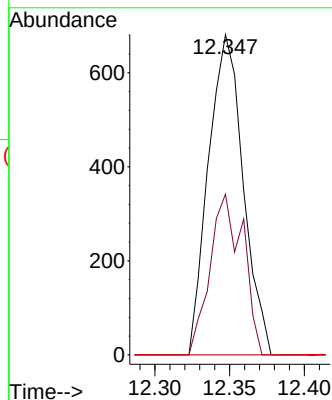
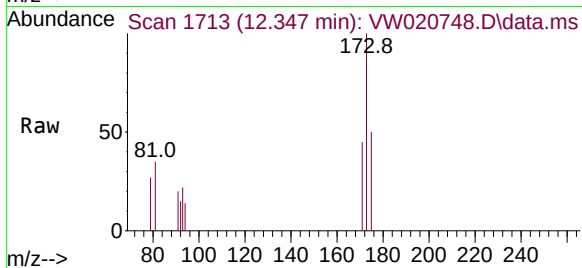
Tgt Ion:173 Resp: 1101

Ion Ratio Lower Upper

173 100

175 47.7 24.8 74.4

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.554 min Scan# 1911

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

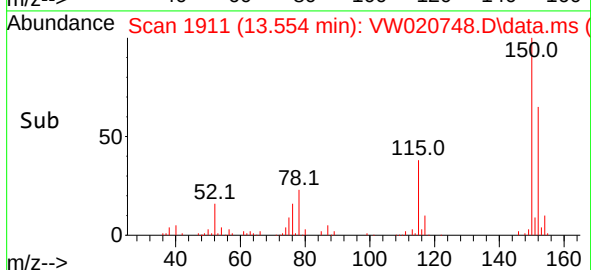
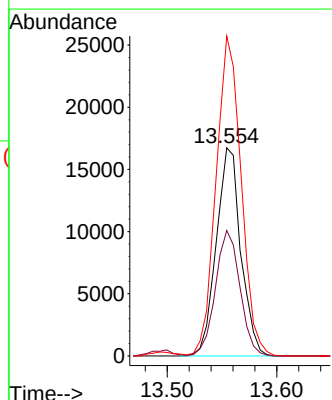
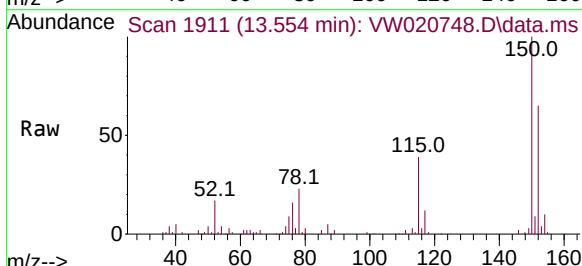
Tgt Ion:152 Resp: 26012

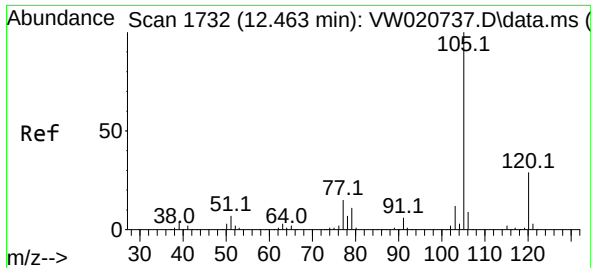
Ion Ratio Lower Upper

152 100

115 60.2 26.6 79.8

150 157.2 0.0 333.0

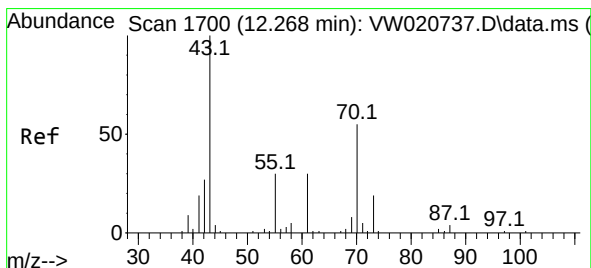
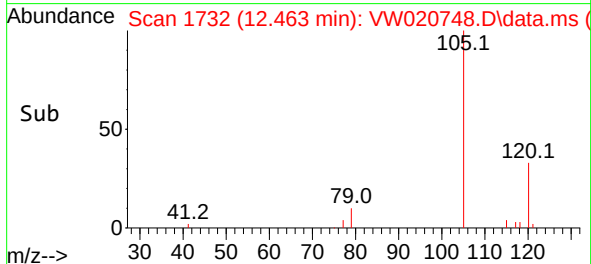
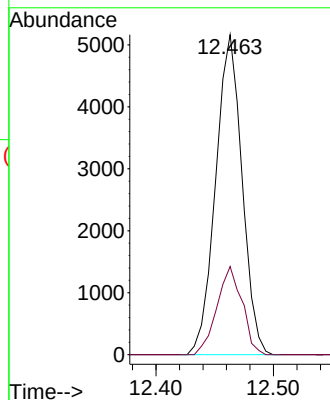
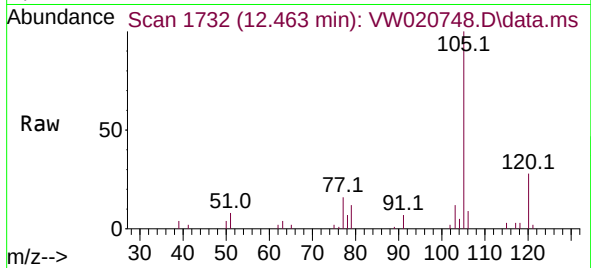




#73
Isopropylbenzene
Concen: 5.264 ug/l
RT: 12.463 min Scan# 1732
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

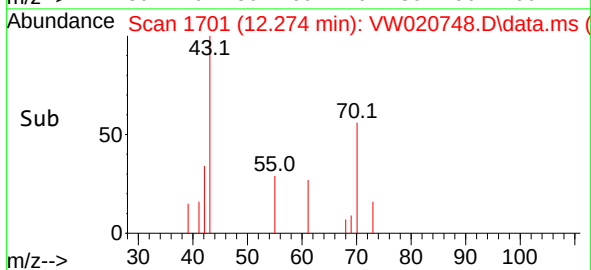
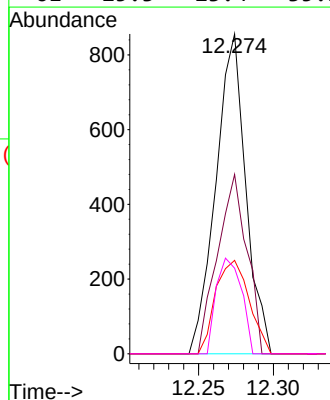
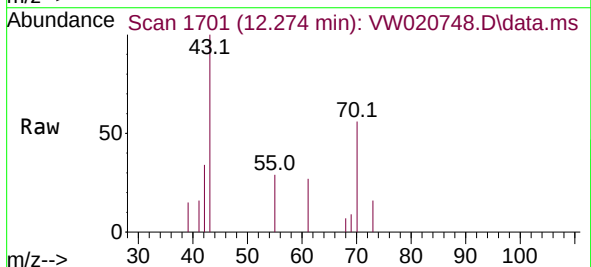
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

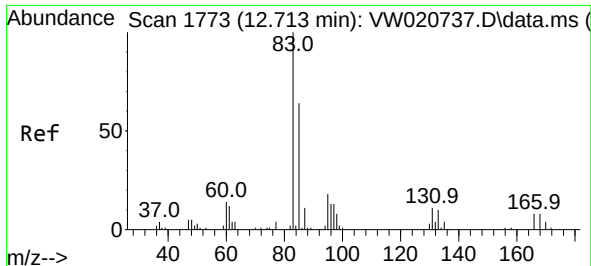
Tgt Ion:105 Resp: 8064
Ion Ratio Lower Upper
105 100
120 26.3 13.8 41.4



#74
N-ethyl acetate
Concen: 5.044 ug/l
RT: 12.274 min Scan# 1701
Delta R.T. 0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 43 Resp: 1191
Ion Ratio Lower Upper
43 100
70 54.8 44.7 67.1
55 32.9 23.5 35.3
61 25.3 23.4 35.2

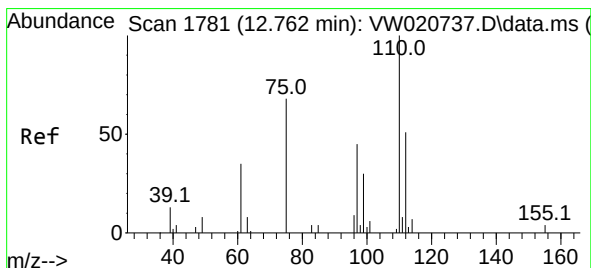
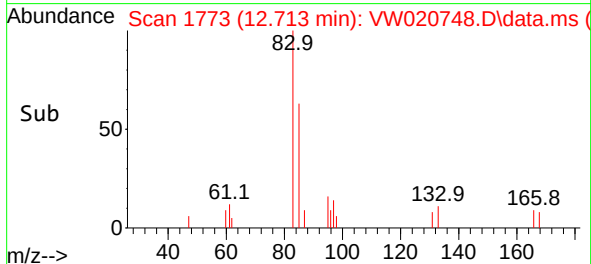
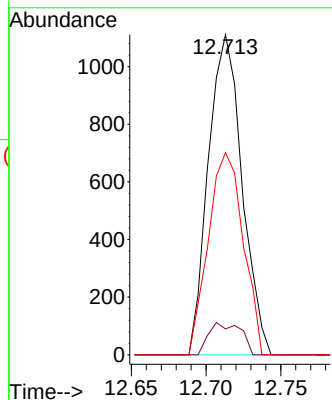
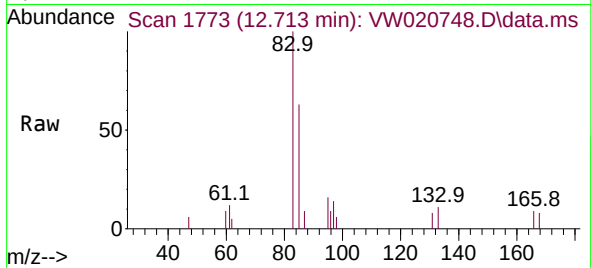




#75
1,1,2,2-Tetrachloroethane
Concen: 6.022 ug/l
RT: 12.713 min Scan# 1773
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

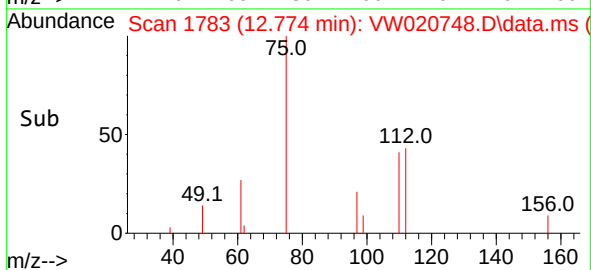
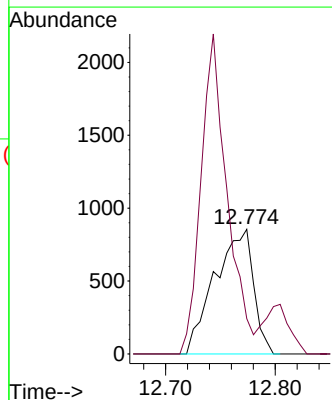
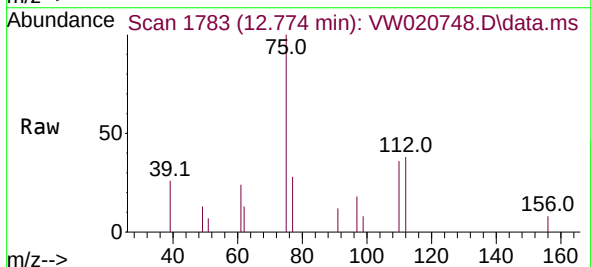
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

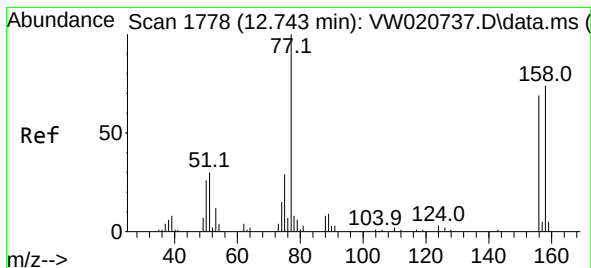
Tgt Ion: 83 Resp: 1740
Ion Ratio Lower Upper
83 100
131 9.5 5.9 17.7
85 65.2 32.3 96.9



#76
1,2,3-Trichloropropane
Concen: 10.381 ug/l
RT: 12.774 min Scan# 1783
Delta R.T. 0.012 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 75 Resp: 2091
Ion Ratio Lower Upper
75 100
77 0.0 143.3 430.0#





#77

Bromobenzene

Concen: 5.897 ug/l

RT: 12.743 min Scan# 1778

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

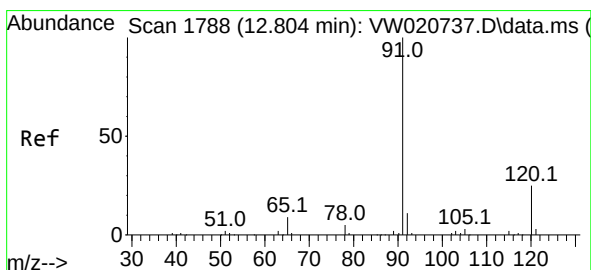
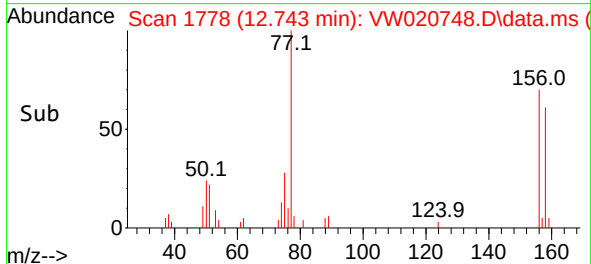
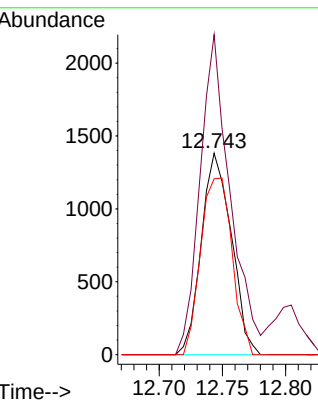
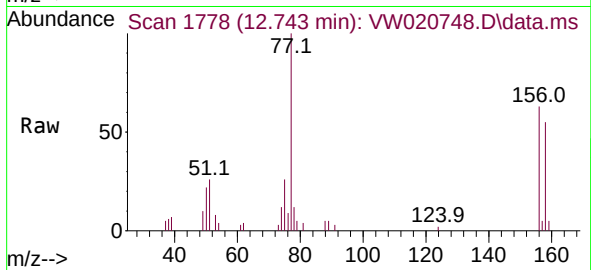
Tgt Ion:156 Resp: 2287

Ion Ratio Lower Upper

156 100

77 159.0 78.5 235.3

158 91.4 49.4 148.2



#78

n-propylbenzene

Concen: 5.798 ug/l

RT: 12.804 min Scan# 1788

Delta R.T. 0.000 min

Lab File: VW020748.D

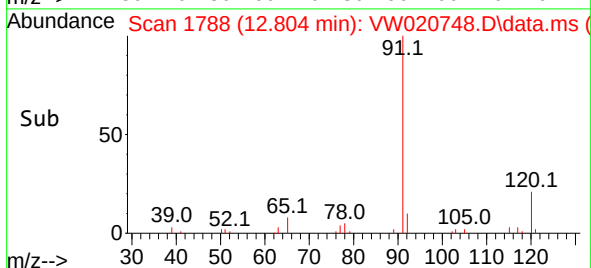
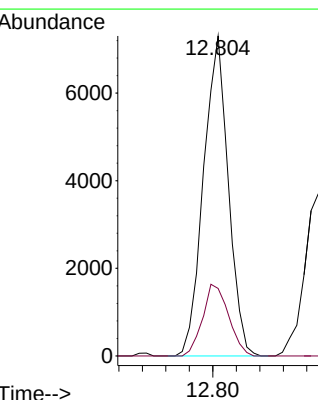
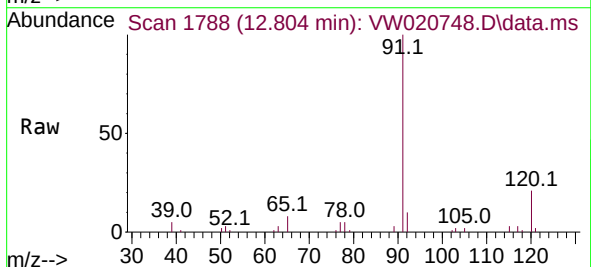
Acq: 02 Nov 2021 20:04

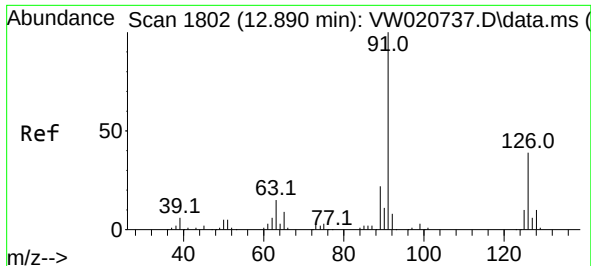
Tgt Ion: 91 Resp: 10717

Ion Ratio Lower Upper

91 100

120 23.4 12.1 36.3





#79

2-Chlorotoluene

Concen: 5.907 ug/l

RT: 12.890 min Scan# 1802

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

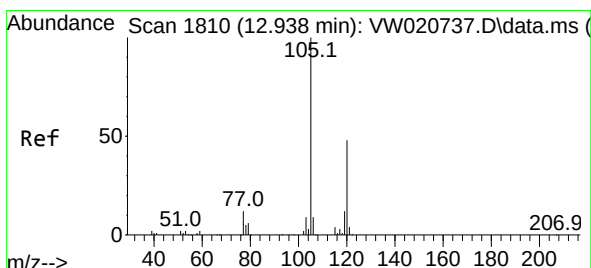
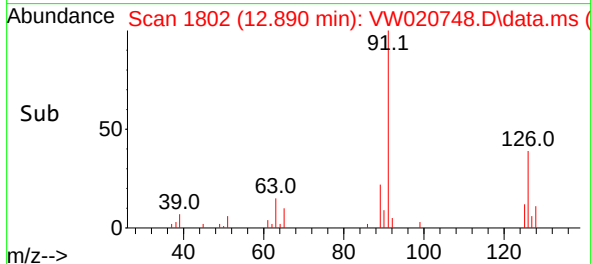
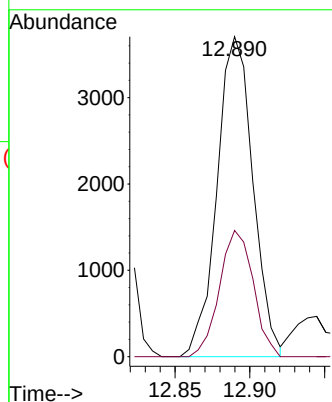
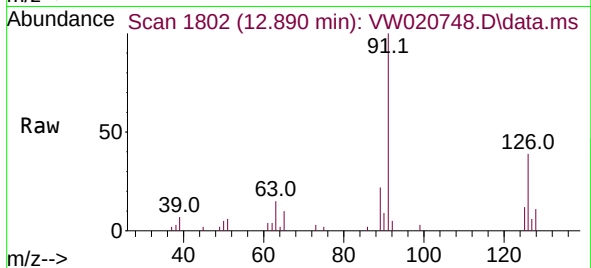
LOQ-SOIL-02-QT4-2021

Tgt Ion: 91 Resp: 6187

Ion Ratio Lower Upper

91 100

126 37.1 18.6 55.6



#80

1,3,5-Trimethylbenzene

Concen: 5.686 ug/l

RT: 12.945 min Scan# 1811

Delta R.T. 0.006 min

Lab File: VW020748.D

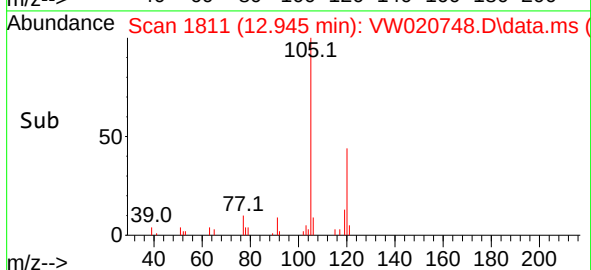
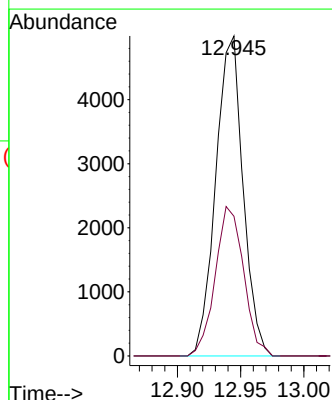
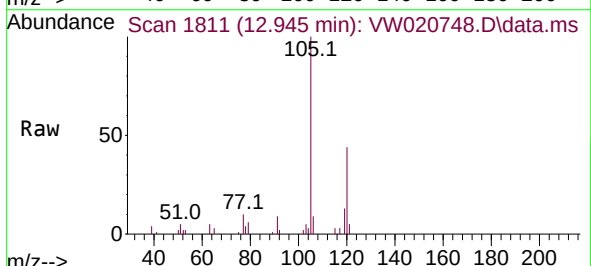
Acq: 02 Nov 2021 20:04

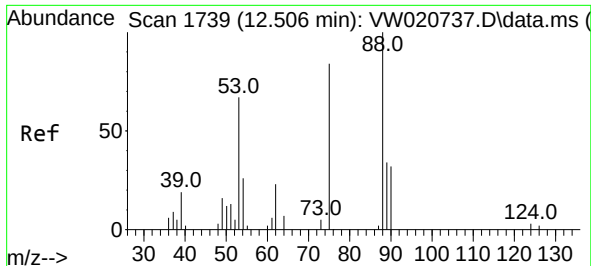
Tgt Ion: 105 Resp: 7491

Ion Ratio Lower Upper

105 100

120 48.5 24.6 74.0

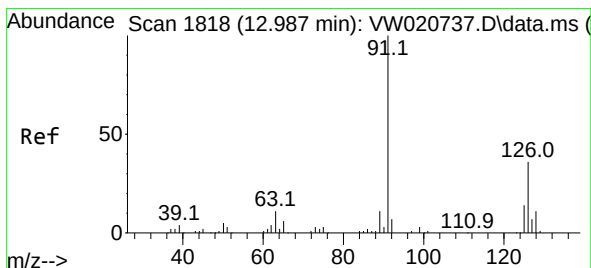
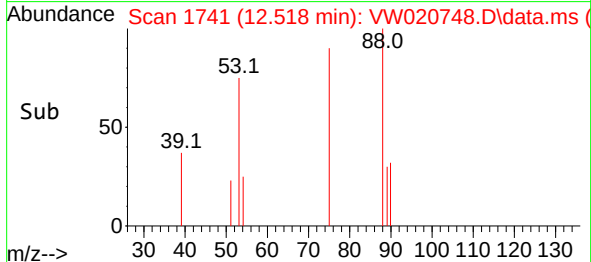
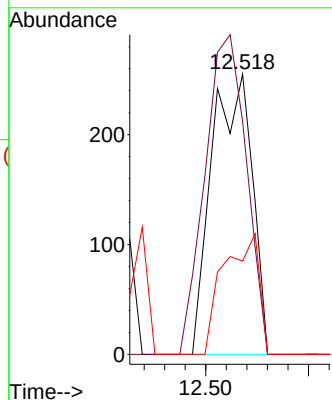
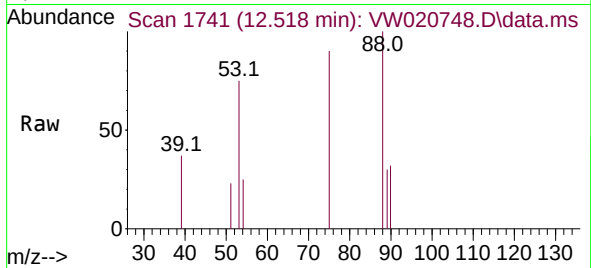




#81
trans-1,4-Dichloro-2-butene
Concen: 4.264 ug/l
RT: 12.518 min Scan# 1741
Delta R.T. 0.012 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

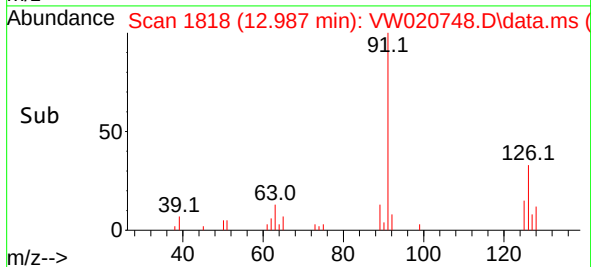
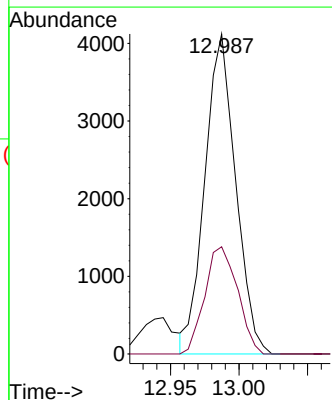
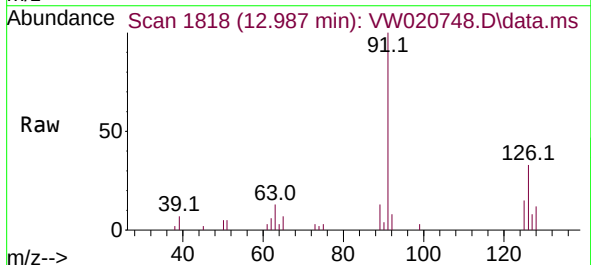
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

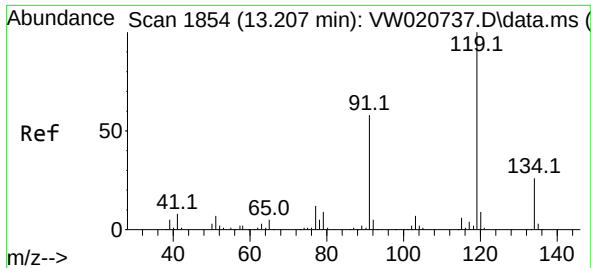
Tgt Ion: 75 Resp: 349
Ion Ratio Lower Upper
75 100
53 116.3 67.7 101.5#
89 37.5 37.5 56.3



#82
4-Chlorotoluene
Concen: 5.874 ug/l
RT: 12.987 min Scan# 1818
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion: 91 Resp: 6434
Ion Ratio Lower Upper
91 100
126 35.7 17.6 52.8

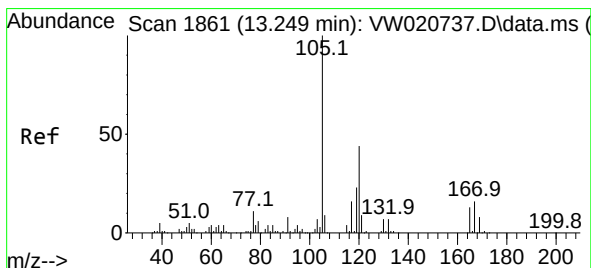
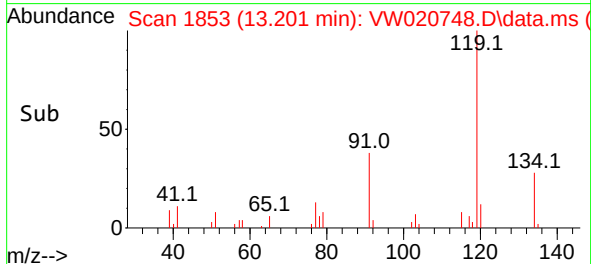
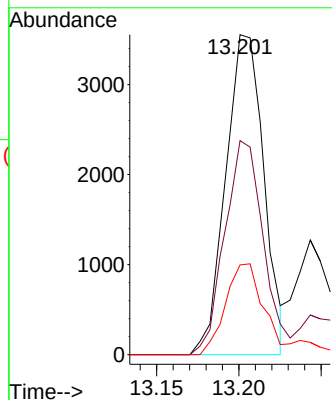
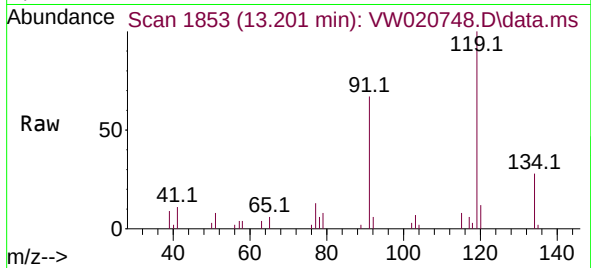




#83
tert-Butylbenzene
Concen: 5.003 ug/l
RT: 13.201 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

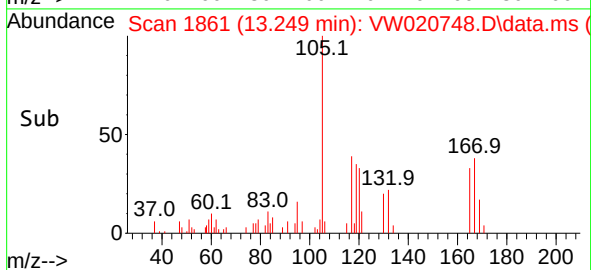
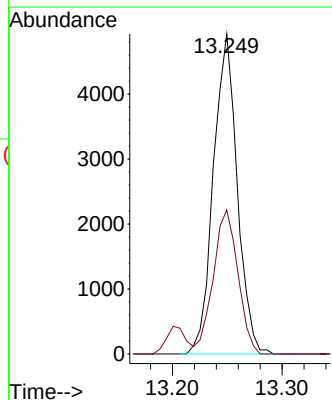
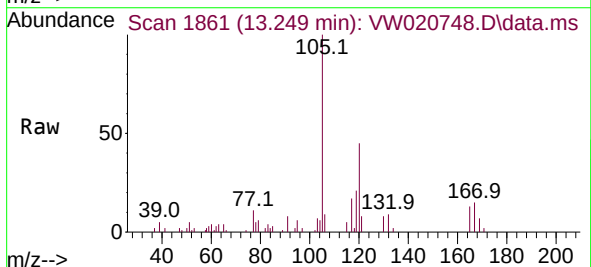
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

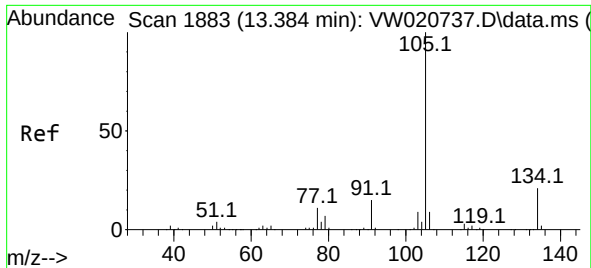
Tgt Ion:	119	Resp:	5739
Ion	Ratio	Lower	Upper
119	100		
91	67.7	30.9	92.8
134	28.5	12.5	37.5



#84
1,2,4-Trimethylbenzene
Concen: 5.756 ug/l
RT: 13.249 min Scan# 1861
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion:	105	Resp:	7439
Ion	Ratio	Lower	Upper
105	100		
120	46.6	22.7	68.1

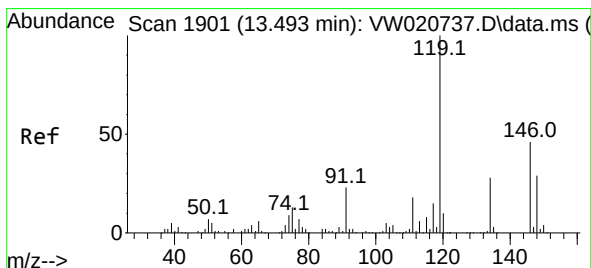
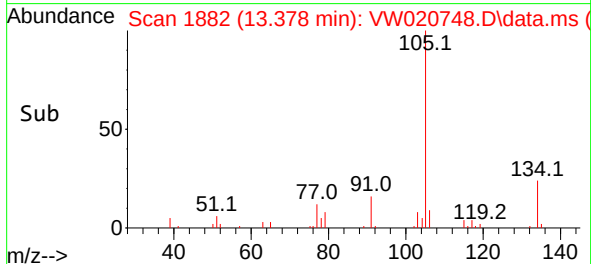
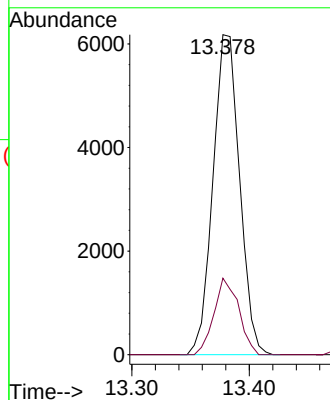
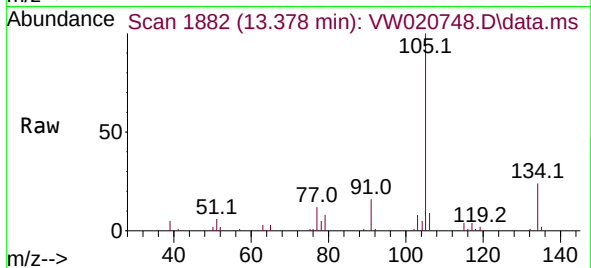




#85
sec-Butylbenzene
Concen: 5.624 ug/l
RT: 13.378 min Scan# 1882
Delta R.T. -0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

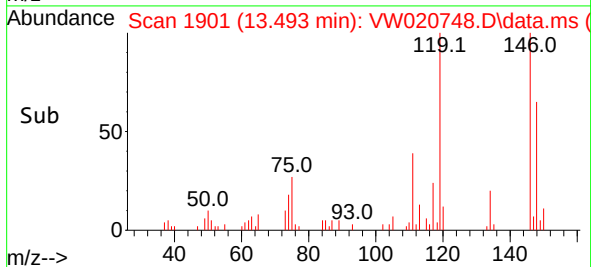
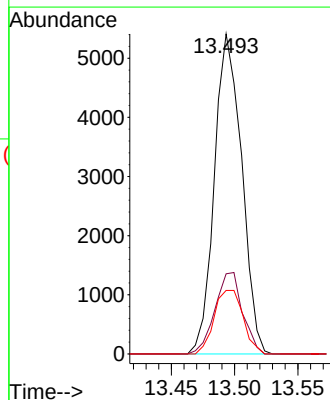
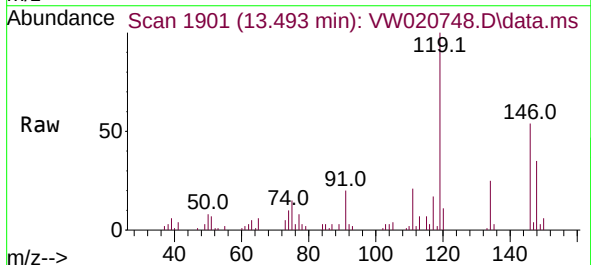
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

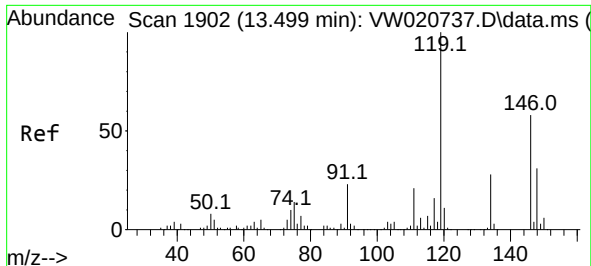
Tgt Ion:105 Resp: 9723
Ion Ratio Lower Upper
105 100
134 22.2 10.4 31.2



#86
p-Isopropyltoluene
Concen: 5.576 ug/l
RT: 13.493 min Scan# 1901
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion:119 Resp: 8108
Ion Ratio Lower Upper
119 100
134 25.7 13.8 41.3
91 21.2 11.2 33.6





#87

1,3-Dichlorobenzene

Concen: 5.905 ug/l

RT: 13.499 min Scan# 1902

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

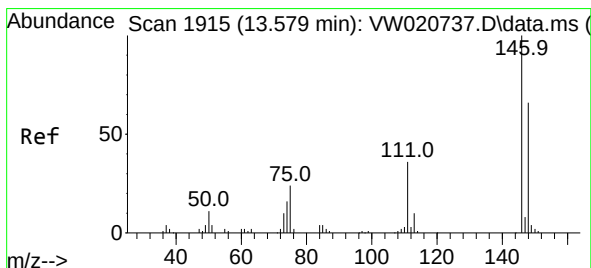
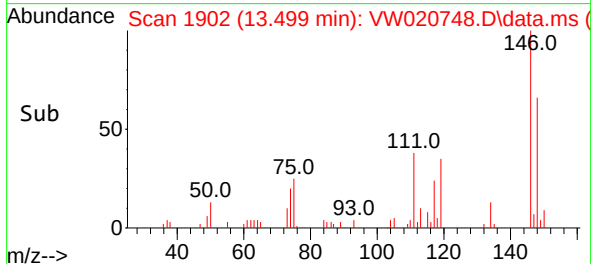
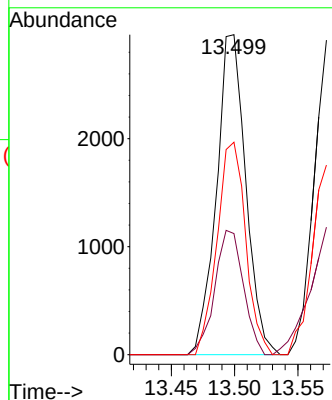
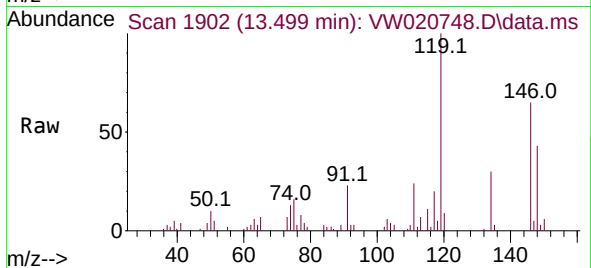
Tgt Ion:146 Resp: 4785

Ion Ratio Lower Upper

146 100

111 37.8 19.0 57.0

148 64.7 30.1 90.3



#88

1,4-Dichlorobenzene

Concen: 6.389 ug/l

RT: 13.579 min Scan# 1915

Delta R.T. 0.000 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

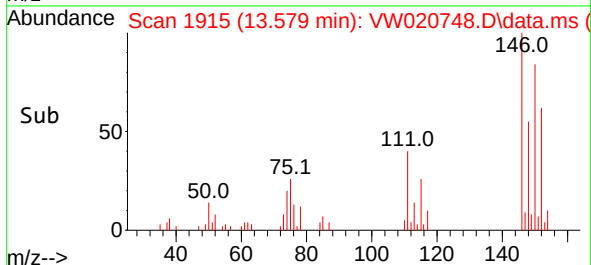
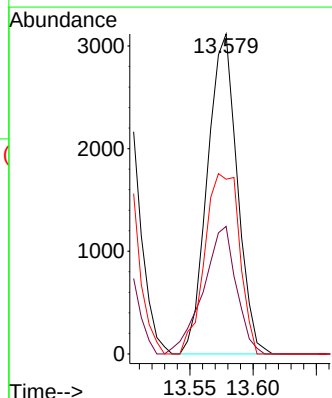
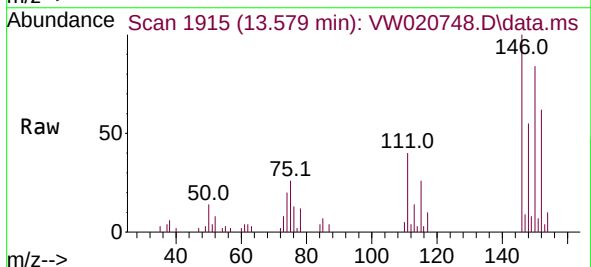
Tgt Ion:146 Resp: 5109

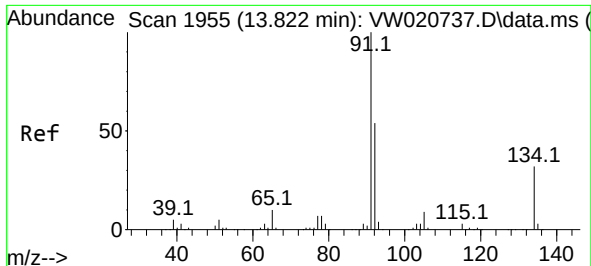
Ion Ratio Lower Upper

146 100

111 44.1 20.1 60.3

148 65.8 33.6 100.8

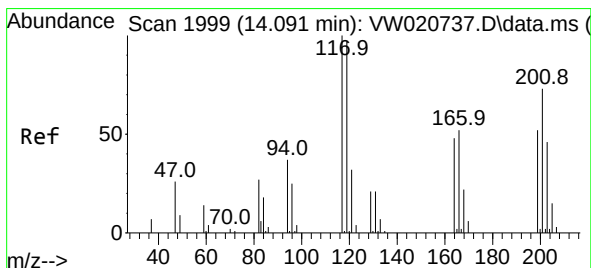
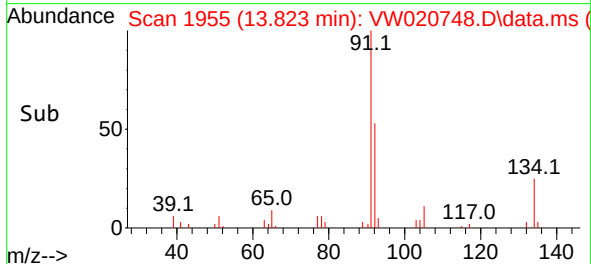
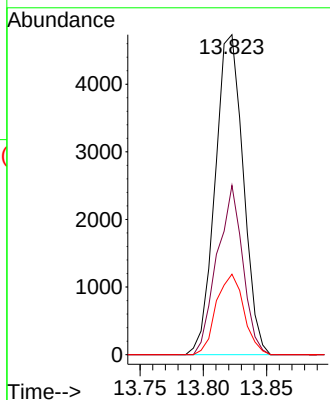
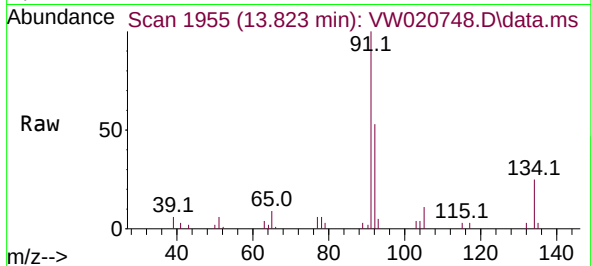




#89
n-Butylbenzene
Concen: 5.387 ug/l
RT: 13.823 min Scan# 1955
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

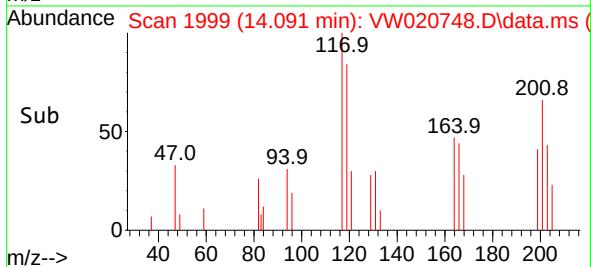
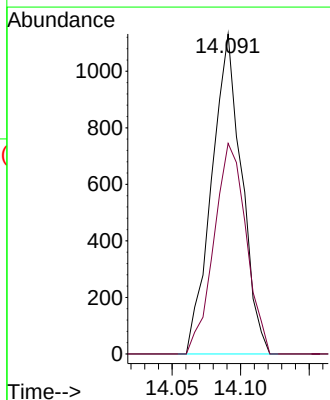
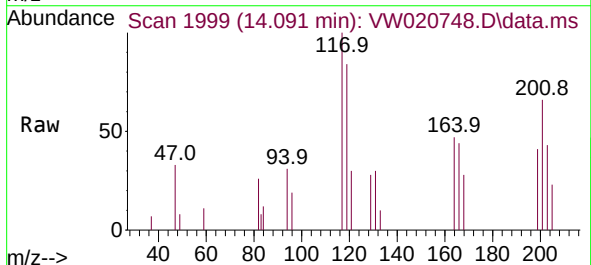
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

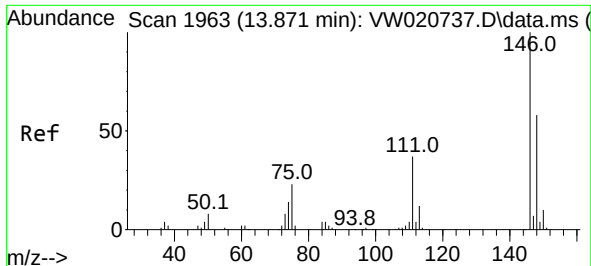
Tgt Ion:	91	Resp:	7298
Ion	Ratio	Lower	Upper
91	100		
92	48.5	27.1	81.2
134	24.7	14.4	43.0



#90
Hexachloroethane
Concen: 6.023 ug/l
RT: 14.091 min Scan# 1999
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

Tgt Ion:	117	Resp:	1722
Ion	Ratio	Lower	Upper
117	100		
201	70.8	36.5	109.5





#91

1,2-Dichlorobenzene

Concen: 5.806 ug/l

RT: 13.865 min Scan# 1963

Delta R.T. -0.006 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

Instrument :

MSVOA_W

ClientSampleId :

LOQ-SOIL-02-QT4-2021

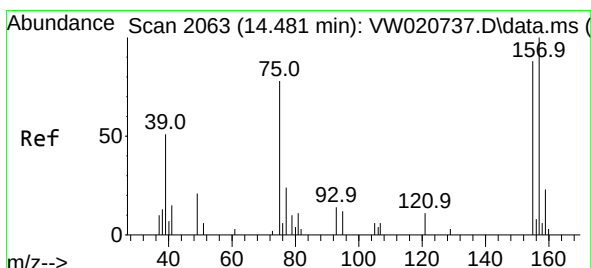
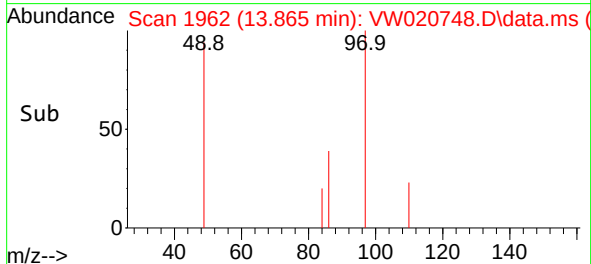
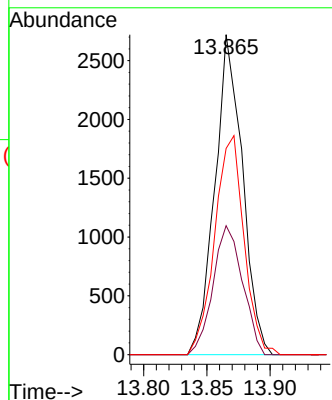
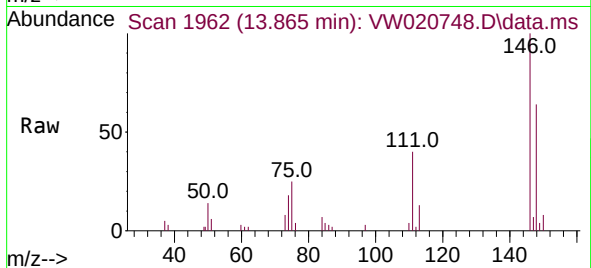
Tgt Ion:146 Resp: 4128

Ion Ratio Lower Upper

146 100

111 43.1 21.1 63.3

148 72.6 33.2 99.6



#92

1,2-Dibromo-3-Chloropropane

Concen: 3.508 ug/l

RT: 14.487 min Scan# 2064

Delta R.T. 0.006 min

Lab File: VW020748.D

Acq: 02 Nov 2021 20:04

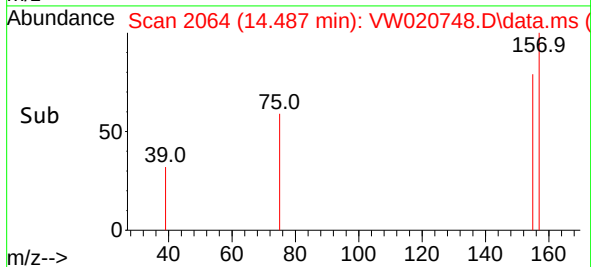
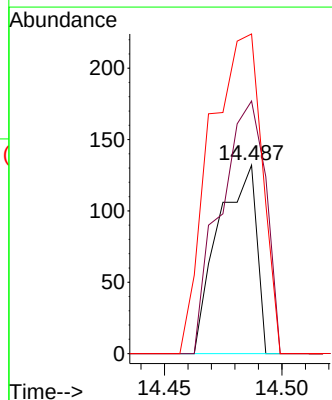
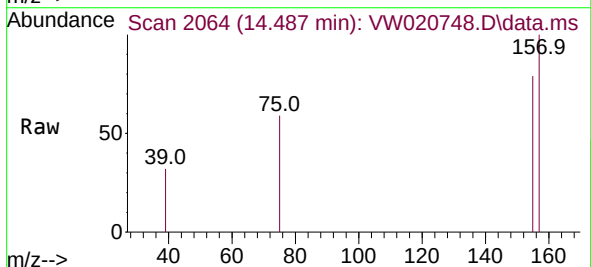
Tgt Ion: 75 Resp: 149

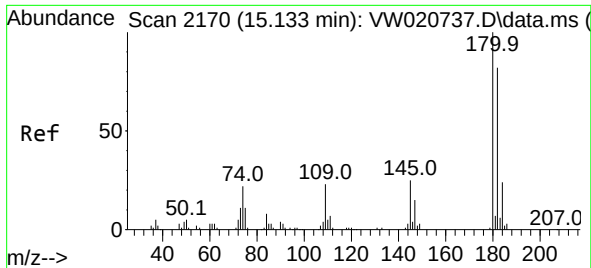
Ion Ratio Lower Upper

75 100

155 159.7 52.8 158.4#

157 230.9 61.5 184.4#

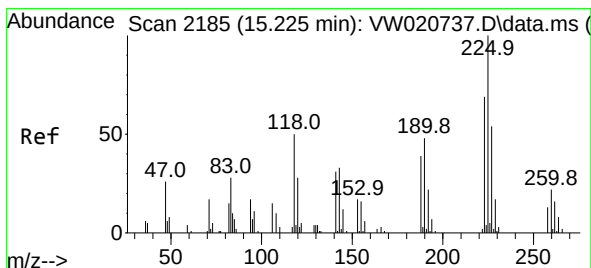
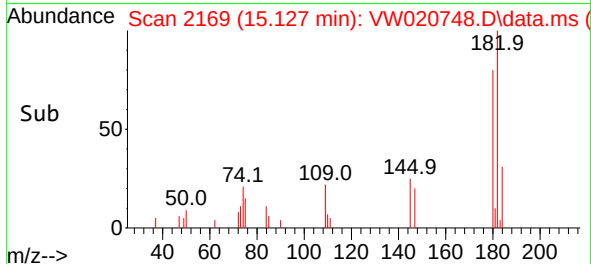
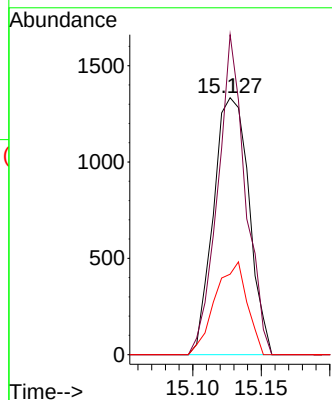
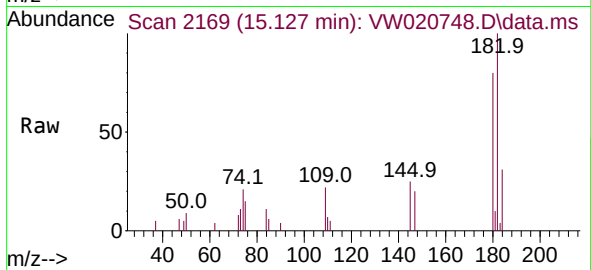




#93
1,2,4-Trichlorobenzene
Concen: 5.369 ug/l
RT: 15.127 min Scan# 2170
Delta R.T. -0.006 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

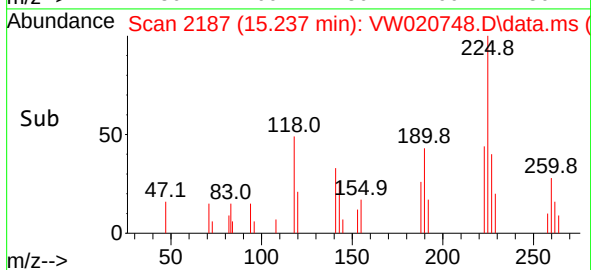
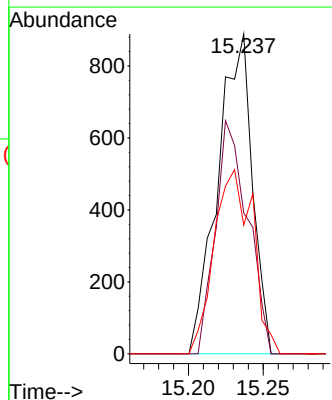
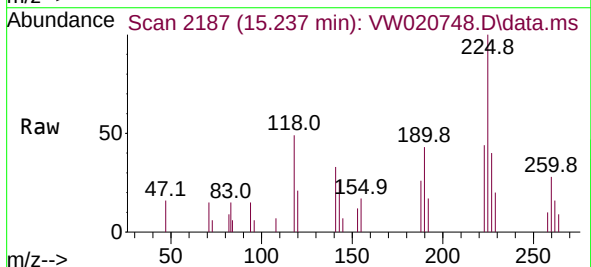
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021

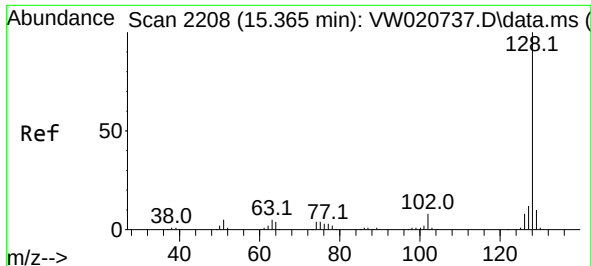
Tgt Ion:180 Resp: 2409
Ion Ratio Lower Upper
180 100
182 97.1 47.1 141.3
145 32.5 14.7 44.1



#94
Hexachlorobutadiene
Concen: 5.865 ug/l
RT: 15.237 min Scan# 2187
Delta R.T. 0.012 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

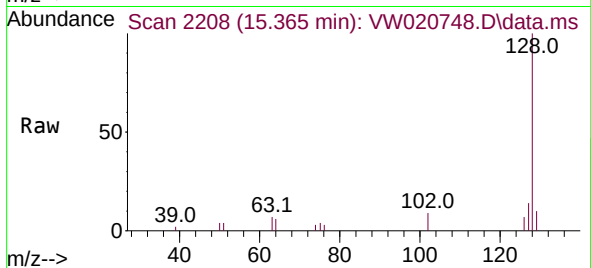
Tgt Ion:225 Resp: 1429
Ion Ratio Lower Upper
225 100
223 67.8 34.6 103.9
227 64.5 30.6 92.0



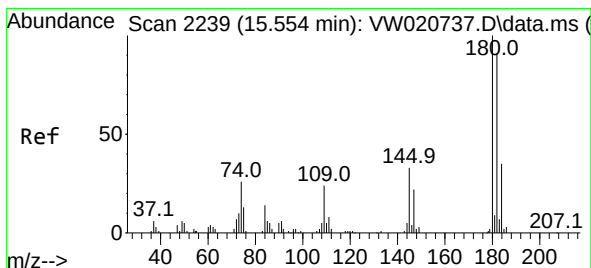
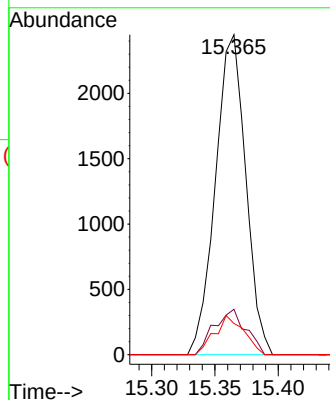
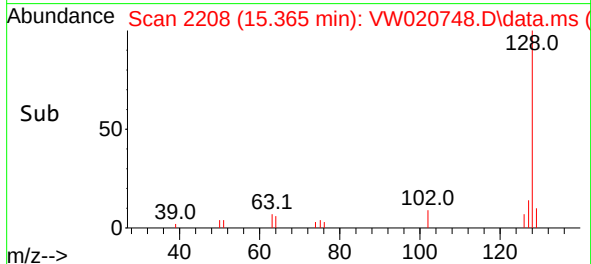


#95
Naphthalene
Concen: 5.035 ug/l
RT: 15.365 min Scan# 2208
Delta R.T. -0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04

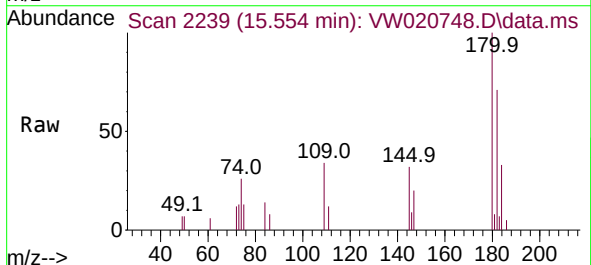
Instrument :
MSVOA_W
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:	128	Resp:	4078
Ion	Ratio	Lower	Upper
128	100		
127	14.9	10.6	15.8
129	11.8	8.5	12.7



#96
1,2,3-Trichlorobenzene
Concen: 5.368 ug/l
RT: 15.554 min Scan# 2239
Delta R.T. 0.000 min
Lab File: VW020748.D
Acq: 02 Nov 2021 20:04



Tgt Ion:	180	Resp:	2104
Ion	Ratio	Lower	Upper
180	100		
182	97.9	47.3	141.8
145	32.8	16.3	48.8

