

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD013024\
 Data File : VD078281.D
 Acq On : 30 Jan 2024 16:21
 Operator : RP/MD
 Sample : P1187-02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

Quant Time: Jan 31 01:17:13 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D013024S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 31 01:16:50 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	98708	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	189934	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	168880	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	74456	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	64488	52.775	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.560%	
35) Dibromofluoromethane	7.804	113	66693	49.322	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.640%	
50) Toluene-d8	10.269	98	250483	48.928	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.860%	
62) 4-Bromofluorobenzene	12.575	95	72036	46.986	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 93.980%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.940	85	7739	6.484	ug/l	90
3) Chloromethane	2.152	50	12804	6.236	ug/l	# 86
4) Vinyl Chloride	2.287	62	16392	6.052	ug/l	96
5) Bromomethane	2.699	94	10309	6.287	ug/l	99
6) Chloroethane	2.840	64	10666	5.701	ug/l	98
7) Trichlorofluoromethane	3.175	101	13140	5.730	ug/l	93
8) Diethyl Ether	3.599	74	4015	5.919	ug/l	84
9) 1,1,2-Trichlorotrifluo...	3.975	101	7884	5.602	ug/l	91
10) Methyl Iodide	4.163	142	6010	4.695	ug/l	# 81
11) Tert butyl alcohol	5.052	59	2060	26.430	ug/l	# 73
12) 1,1-Dichloroethene	3.940	96	8333	6.137	ug/l	# 89
13) Acrolein	3.799	56	2907	28.707	ug/l	95
14) Allyl chloride	4.563	41	9946	5.555	ug/l	# 85
15) Acrylonitrile	5.263	53	9122	30.422	ug/l	# 72
16) Acetone	4.022	43	9219	28.551	ug/l	# 84
17) Carbon Disulfide	4.275	76	26388	5.756	ug/l	100
18) Methyl Acetate	4.581	43	3328	5.110	ug/l	90
19) Methyl tert-butyl Ether	5.316	73	15520	5.496	ug/l	# 79
20) Methylene Chloride	4.805	84	13608	8.016	ug/l	# 80
21) trans-1,2-Dichloroethene	5.322	96	8626	5.618	ug/l	95
22) Diisopropyl ether	6.222	45	20854	5.474	ug/l	# 85
23) Vinyl Acetate	6.157	43	61464	26.445	ug/l	# 92
24) 1,1-Dichloroethane	6.122	63	14278	5.414	ug/l	97
25) 2-Butanone	7.093	43	11332	27.831	ug/l	# 75
26) 2,2-Dichloropropane	7.075	77	13059	6.062	ug/l	# 65
27) cis-1,2-Dichloroethene	7.081	96	9012	5.296	ug/l	85
28) Bromochloromethane	7.428	49	5320	5.656	ug/l	# 70
29) Tetrahydrofuran	7.452	42	5627	25.833	ug/l	91
30) Chloroform	7.599	83	16114	5.976	ug/l	84
31) Cyclohexane	7.881	56	14516	6.343	ug/l	# 85
32) 1,1,1-Trichloroethane	7.804	97	13035	5.609	ug/l	95
36) 1,1-Dichloropropene	8.016	75	11647	5.194	ug/l	96
37) Ethyl Acetate	7.169	43	4719	5.468	ug/l	# 79
38) Carbon Tetrachloride	7.993	117	12049	5.465	ug/l	85
39) Methylcyclohexane	9.275	83	14009	5.284	ug/l	97
40) Benzene	8.251	78	33674	5.147	ug/l	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.404	41	2594	5.591	ug/l #	48
42) 1,2-Dichloroethane	8.322	62	9393	5.535	ug/l	95
43) Isopropyl Acetate	8.363	43	8319	5.376	ug/l #	71
44) Trichloroethene	9.028	130	8852	5.510	ug/l	92
45) 1,2-Dichloropropane	9.310	63	8365	5.229	ug/l #	85
46) Dibromomethane	9.398	93	4464	5.030	ug/l #	86
47) Bromodichloromethane	9.587	83	11065	5.067	ug/l #	94
48) Methyl methacrylate	9.381	41	3918	5.299	ug/l #	73
49) 1,4-Dioxane	9.369	88	952	95.620	ug/l #	33
51) 4-Methyl-2-Pentanone	10.157	43	20218	24.153	ug/l	87
52) Toluene	10.334	92	20166	5.082	ug/l	98
53) t-1,3-Dichloropropene	10.557	75	10499	5.147	ug/l	99
54) cis-1,3-Dichloropropene	10.016	75	12698	5.259	ug/l	96
55) 1,1,2-Trichloroethane	10.734	97	6071	5.242	ug/l	93
56) Ethyl methacrylate	10.604	69	6630	5.047	ug/l #	78
57) 1,3-Dichloropropane	10.881	76	10848	5.432	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.869	63	13797	23.094	ug/l	90
59) 2-Hexanone	10.922	43	15764	25.006	ug/l	81
60) Dibromochloromethane	11.075	129	7155	5.322	ug/l	96
61) 1,2-Dibromoethane	11.181	107	5413	4.950	ug/l	99
64) Tetrachloroethene	10.810	164	6291	5.341	ug/l	87
65) Chlorobenzene	11.610	112	22317	5.524	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.681	131	7585	5.273	ug/l	98
67) Ethyl Benzene	11.681	91	36052	4.926	ug/l	92
68) m/p-Xylenes	11.798	106	27327	9.705	ug/l	89
69) o-Xylene	12.122	106	12910	4.989	ug/l	99
70) Styrene	12.134	104	21030	4.759	ug/l	94
71) Bromoform	12.298	173	3574	5.045	ug/l #	92
73) Isopropylbenzene	12.422	105	33103	5.255	ug/l	97
74) N-amyl acetate	12.234	43	6820	5.235	ug/l	89
75) 1,1,2,2-Tetrachloroethane	12.669	83	6782	5.575	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	8345	10.723	ug/l #	100
77) Bromobenzene	12.698	156	7447	5.372	ug/l	74
78) n-propylbenzene	12.763	91	42972	5.476	ug/l	94
79) 2-Chlorotoluene	12.851	91	23157	5.513	ug/l	90
80) 1,3,5-Trimethylbenzene	12.904	105	26159	5.104	ug/l	97
81) trans-1,4-Dichloro-2-b...	12.469	75	2079	5.313	ug/l #	81
82) 4-Chlorotoluene	12.945	91	24401	5.449	ug/l	93
83) tert-Butylbenzene	13.163	119	23949	5.477	ug/l	93
84) 1,2,4-Trimethylbenzene	13.216	105	26050	5.024	ug/l	96
85) sec-Butylbenzene	13.345	105	33678	4.907	ug/l	100
86) p-Isopropyltoluene	13.463	119	27828	4.950	ug/l	95
87) 1,3-Dichlorobenzene	13.457	146	15989	5.552	ug/l	93
88) 1,4-Dichlorobenzene	13.539	146	16253	5.704	ug/l	88
89) n-Butylbenzene	13.786	91	28253	5.158	ug/l	97
90) Hexachloroethane	14.051	117	6922	6.165	ug/l	69
91) 1,2-Dichlorobenzene	13.828	146	13642	5.537	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1190	6.978	ug/l	74
93) 1,2,4-Trichlorobenzene	15.104	180	8321	5.839	ug/l	91
94) Hexachlorobutadiene	15.204	225	4612	6.604	ug/l	94
95) Naphthalene	15.328	128	15108	5.317	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.522	180	6446	5.137	ug/l	91

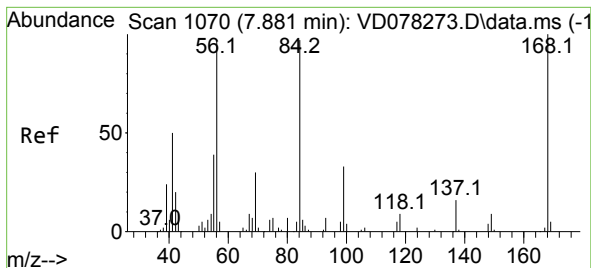
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

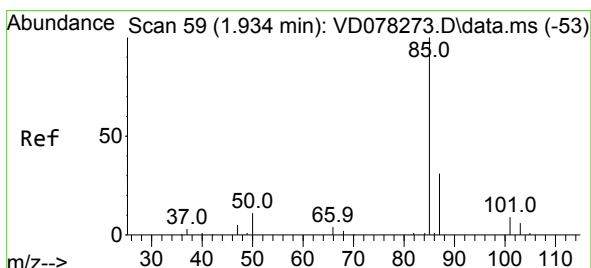
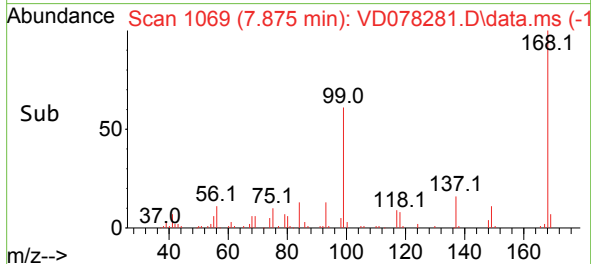
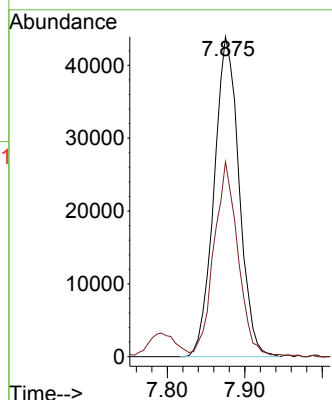
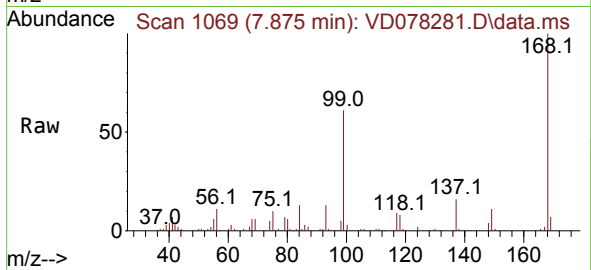
LOQ-SOIL-02-QT1-2024

Tgt Ion:168 Resp: 98708

Ion Ratio Lower Upper

168 100

99 60.2 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 6.484 ug/l

RT: 1.940 min Scan# 60

Delta R.T. 0.006 min

Lab File: VD078281.D

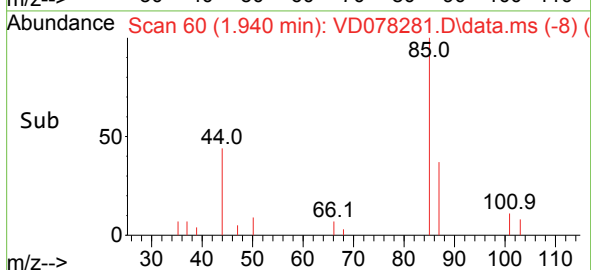
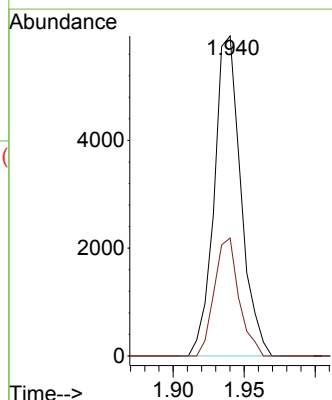
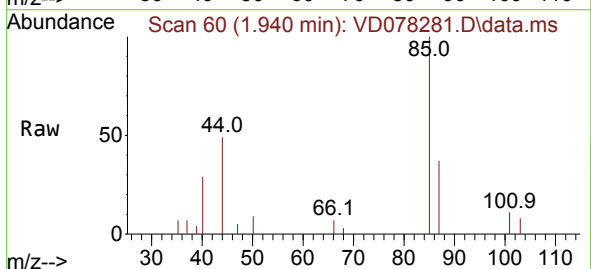
Acq: 30 Jan 2024 16:21

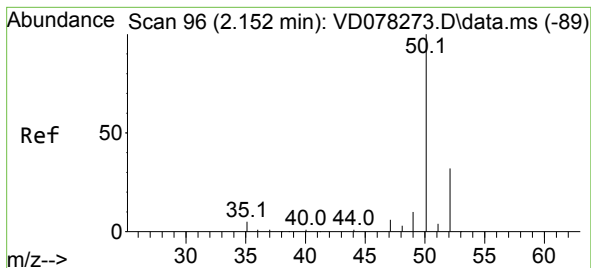
Tgt Ion: 85 Resp: 7739

Ion Ratio Lower Upper

85 100

87 36.8 15.7 47.0





#3

Chloromethane

Concen: 6.236 ug/l

RT: 2.152 min Scan# 96

Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

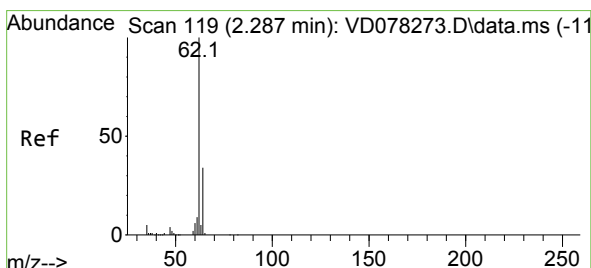
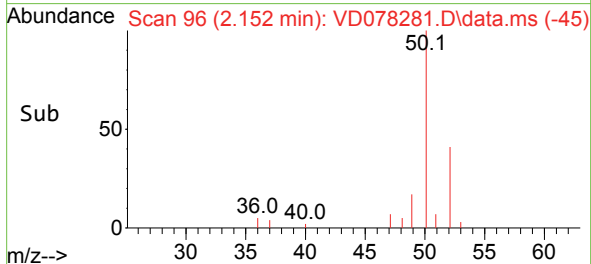
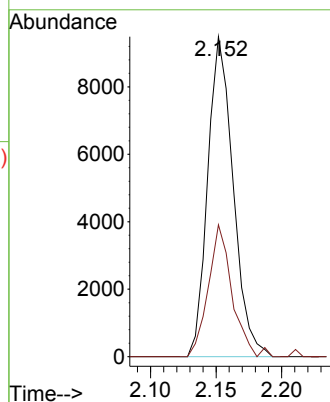
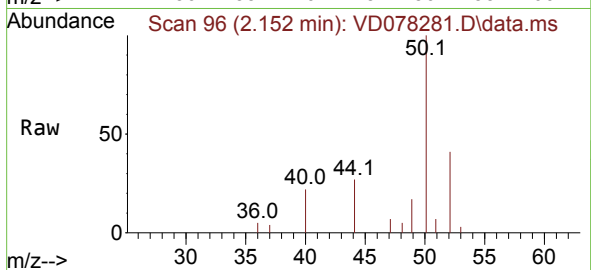
LOQ-SOIL-02-QT1-2024

Tgt Ion: 50 Resp: 12804

Ion Ratio Lower Upper

50 100

52 41.2 26.6 40.0#



#4

Vinyl Chloride

Concen: 6.052 ug/l

RT: 2.287 min Scan# 119

Delta R.T. 0.000 min

Lab File: VD078281.D

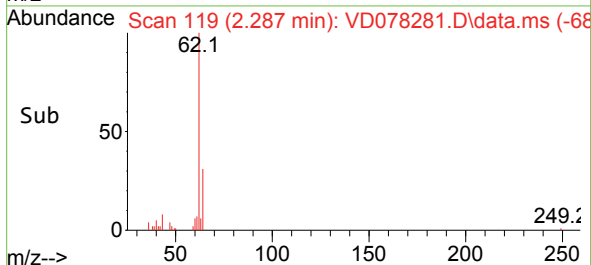
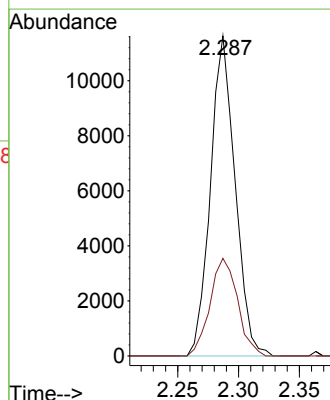
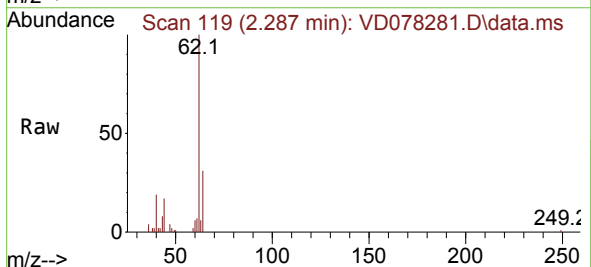
Acq: 30 Jan 2024 16:21

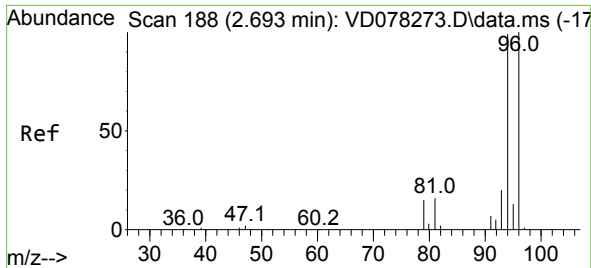
Tgt Ion: 62 Resp: 16392

Ion Ratio Lower Upper

62 100

64 30.5 26.0 39.0





#5

Bromomethane

Concen: 6.287 ug/l

RT: 2.699 min Scan# 189

Delta R.T. 0.006 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

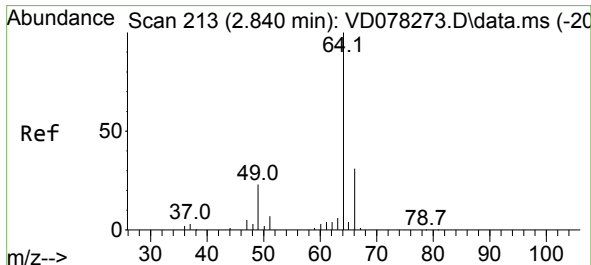
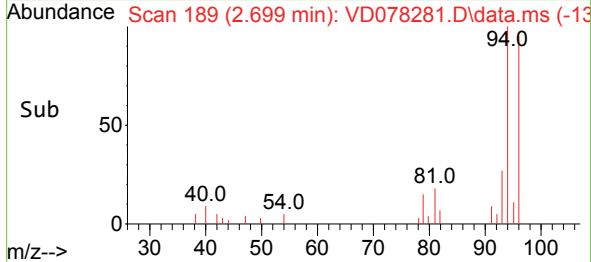
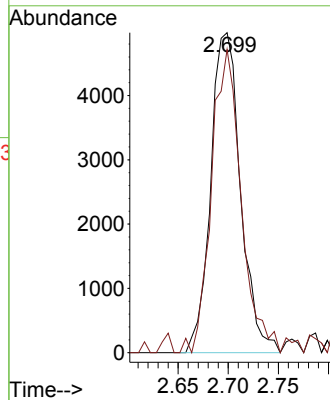
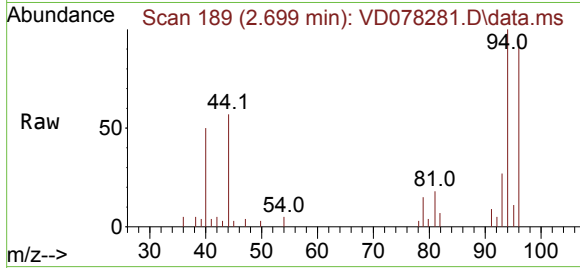
LOQ-SOIL-02-QT1-2024

Tgt Ion: 94 Resp: 10309

Ion Ratio Lower Upper

94 100

96 94.2 75.8 113.8



#6

Chloroethane

Concen: 5.701 ug/l

RT: 2.840 min Scan# 213

Delta R.T. 0.000 min

Lab File: VD078281.D

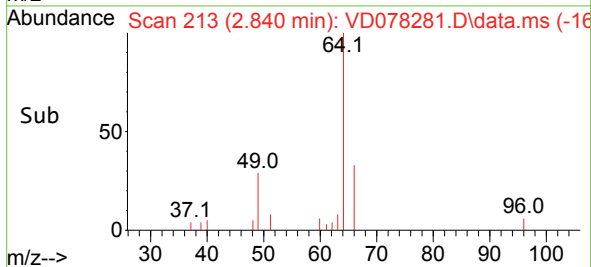
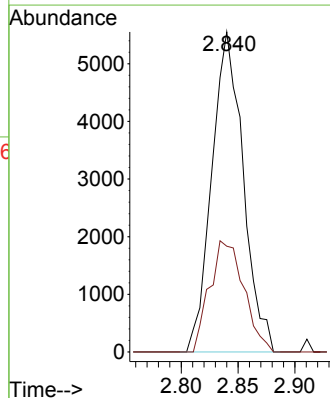
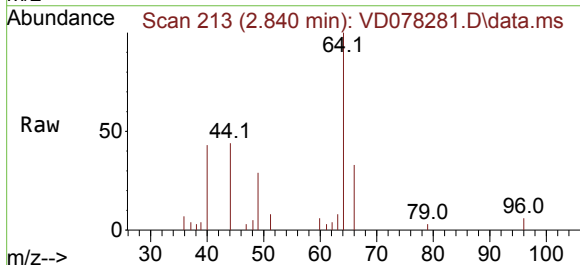
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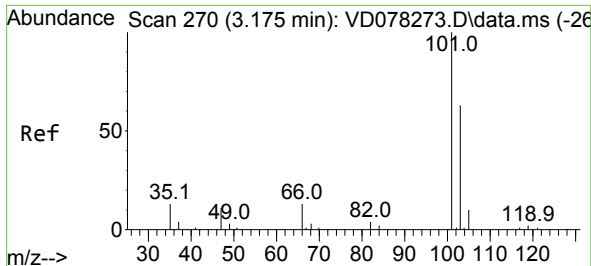
Tgt Ion: 64 Resp: 10666

Ion Ratio Lower Upper

64 100

66 33.0 25.5 38.3

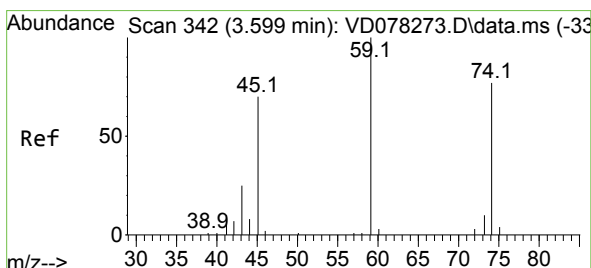
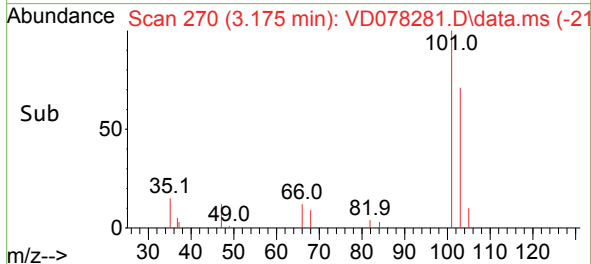
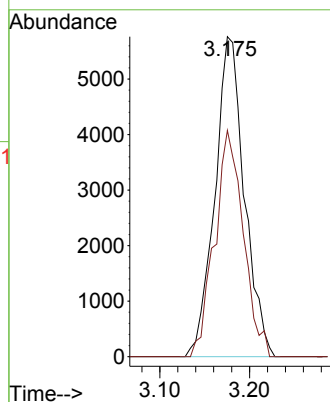
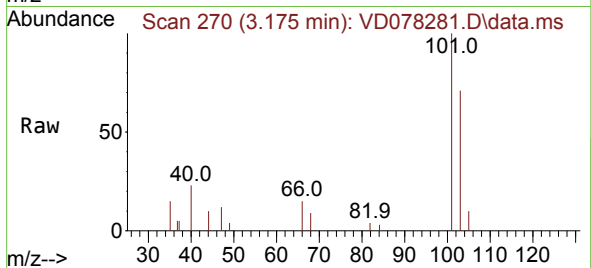




#7
Trichlorofluoromethane
Concen: 5.730 ug/l
RT: 3.175 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

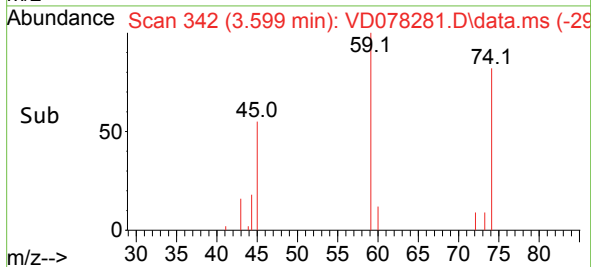
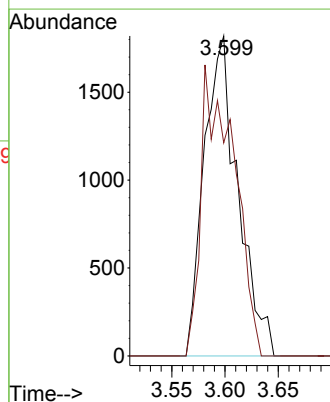
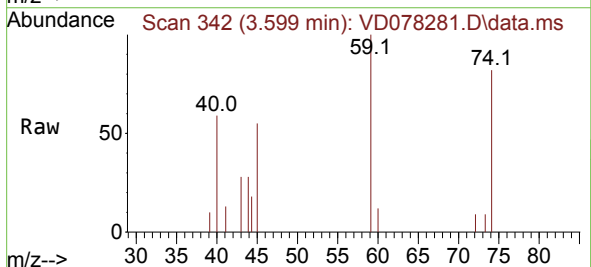
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

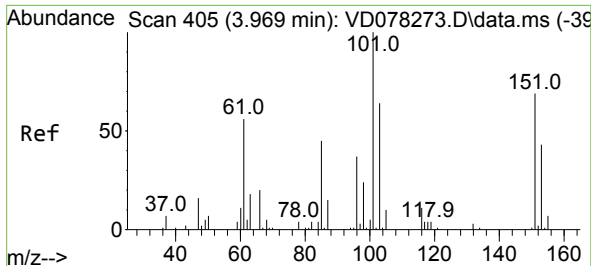
Tgt Ion:101 Resp: 13140
Ion Ratio Lower Upper
101 100
103 70.7 52.3 78.5



#8
Diethyl Ether
Concen: 5.919 ug/l
RT: 3.599 min Scan# 342
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 74 Resp: 4015
Ion Ratio Lower Upper
74 100
45 89.1 37.5 112.7

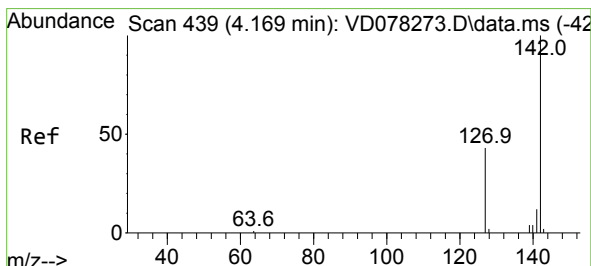
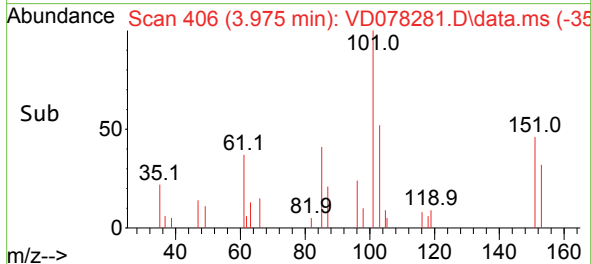
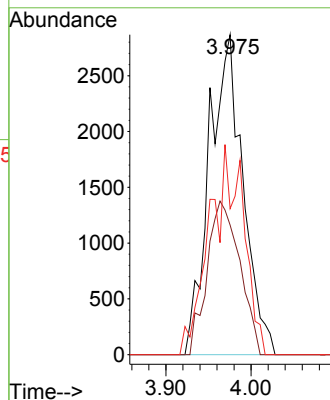
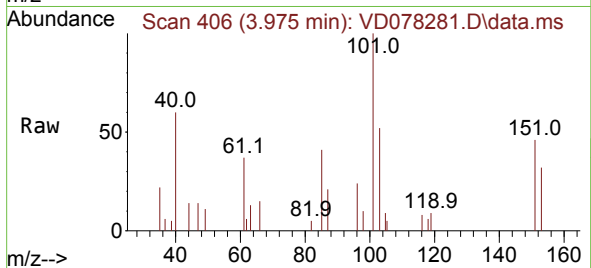




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.602 ug/l
RT: 3.975 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD078281.D
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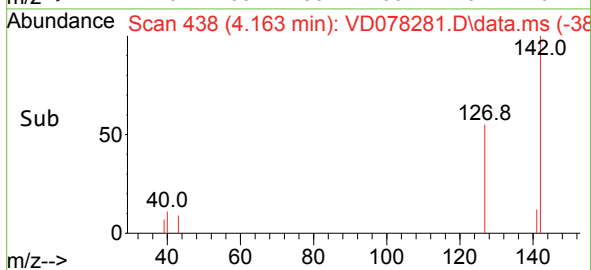
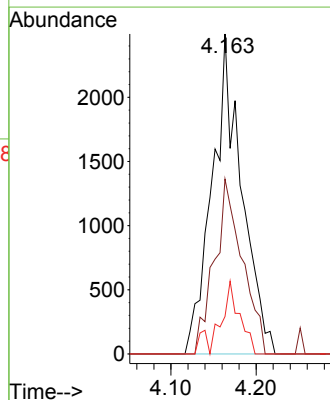
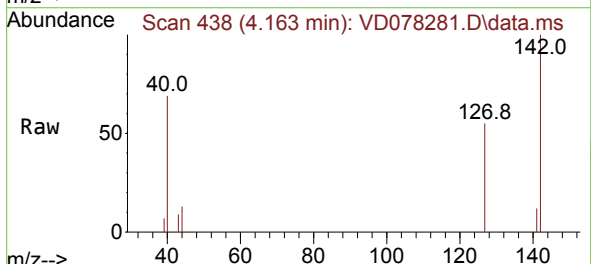
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

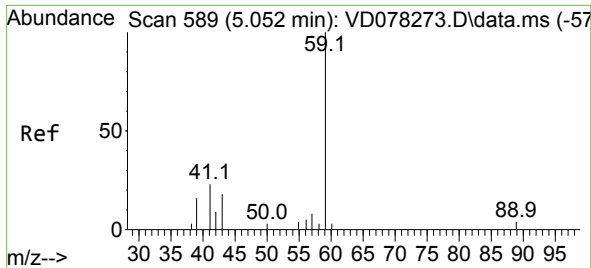
Tgt Ion:101 Resp: 7884
Ion Ratio Lower Upper
101 100
85 46.5 33.8 50.6
151 66.5 59.8 89.6



#10
Methyl Iodide
Concen: 4.695 ug/l
RT: 4.163 min Scan# 438
Delta R.T. -0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion:142 Resp: 6010
Ion Ratio Lower Upper
142 100
127 51.6 29.4 44.0#
141 13.4 11.1 16.7

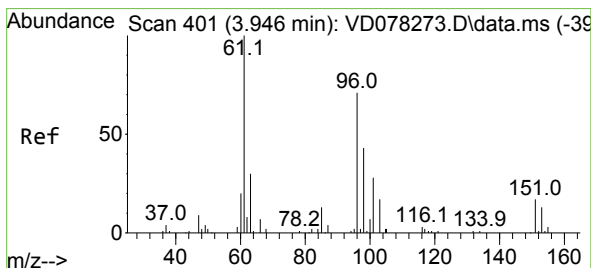
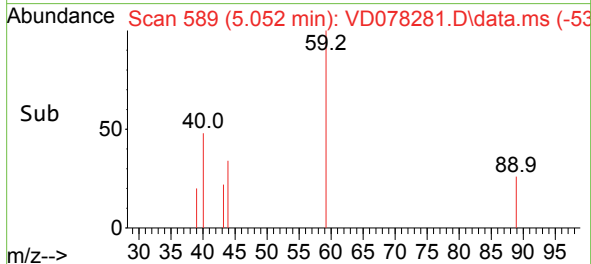
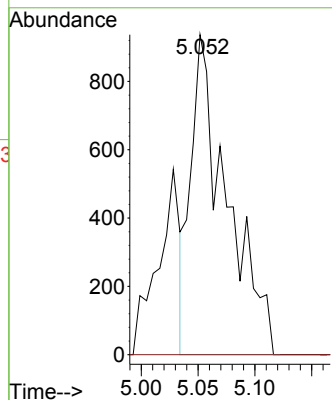
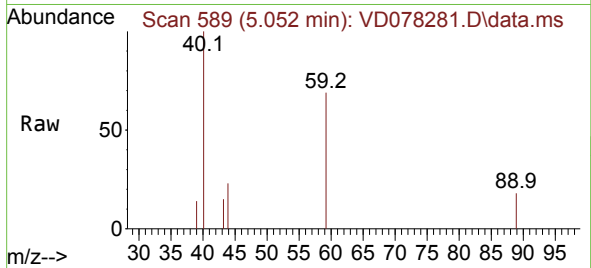




#11
Tert butyl alcohol
Concen: 26.430 ug/l
RT: 5.052 min Scan# 51
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

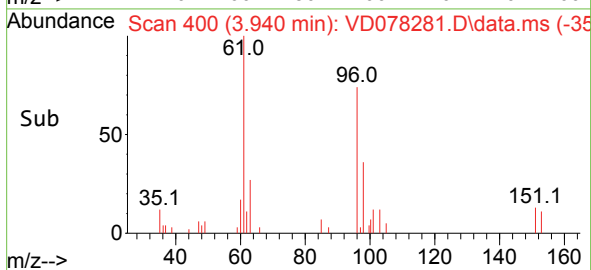
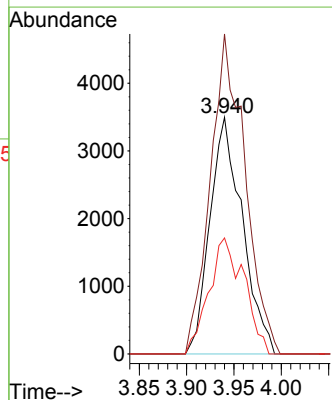
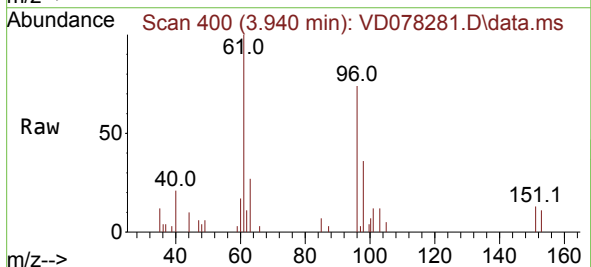
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

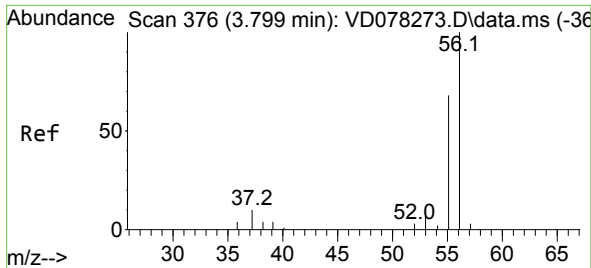
Tgt Ion: 59 Resp: 2060
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 6.137 ug/l
RT: 3.940 min Scan# 400
Delta R.T. -0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 96 Resp: 8333
Ion Ratio Lower Upper
96 100
61 135.3 100.6 150.8
98 49.0 50.2 75.2#





#13

Acrolein

Concen: 28.707 ug/l

RT: 3.799 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

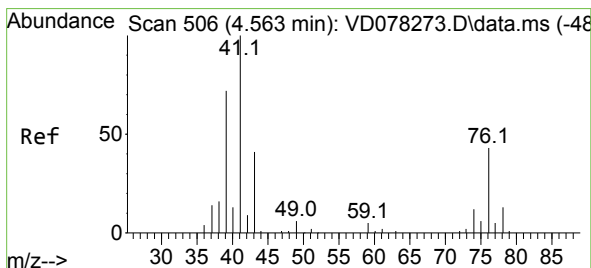
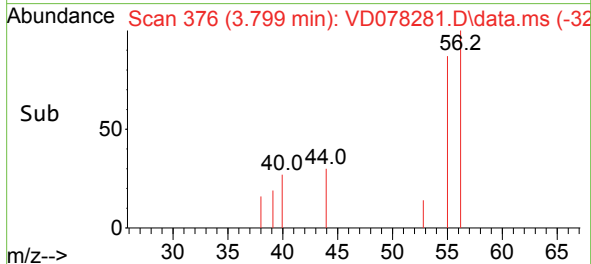
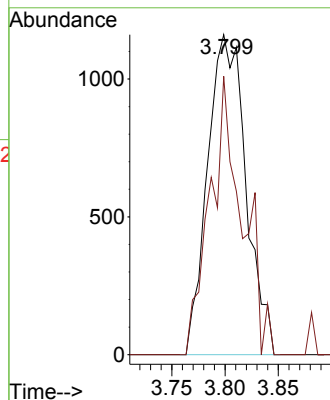
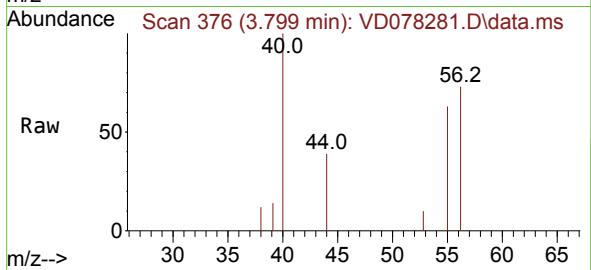
LOQ-SOIL-02-QT1-2024

Tgt Ion: 56 Resp: 2907

Ion Ratio Lower Upper

56 100

55 73.2 55.1 82.7



#14

Allyl chloride

Concen: 5.555 ug/l

RT: 4.563 min Scan# 506

Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

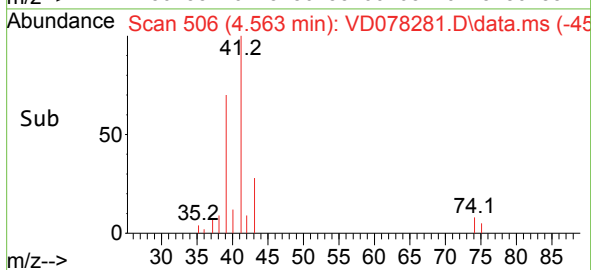
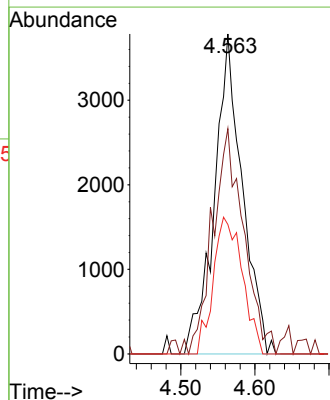
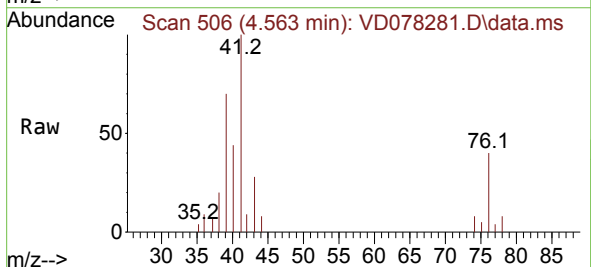
Tgt Ion: 41 Resp: 9946

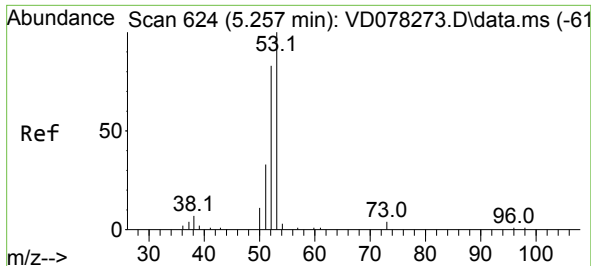
Ion Ratio Lower Upper

41 100

39 78.0 53.8 80.6

76 44.2 45.8 68.8#

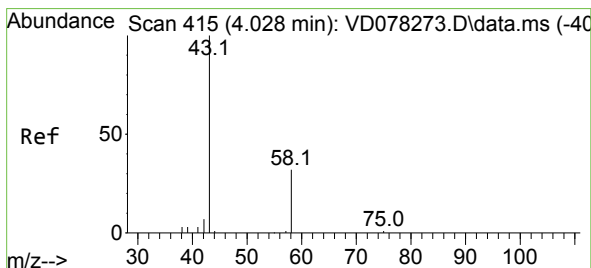
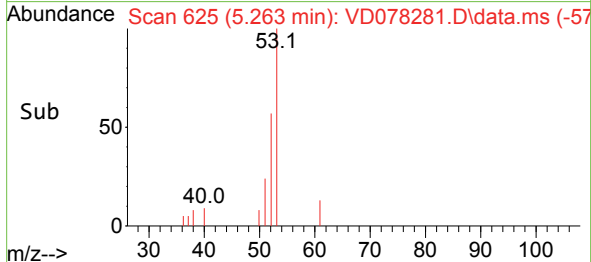
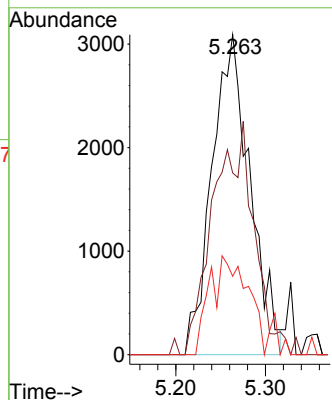
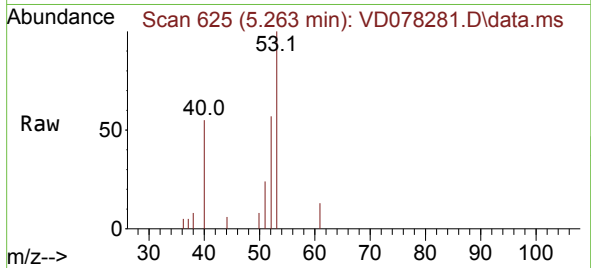




#15
Acrylonitrile
Concen: 30.422 ug/l
RT: 5.263 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

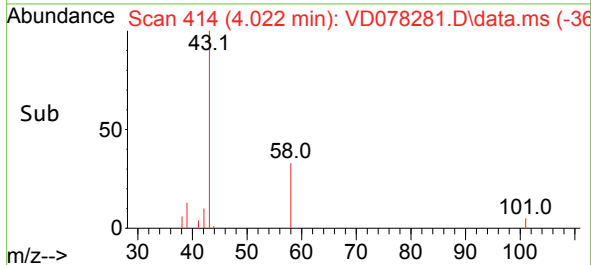
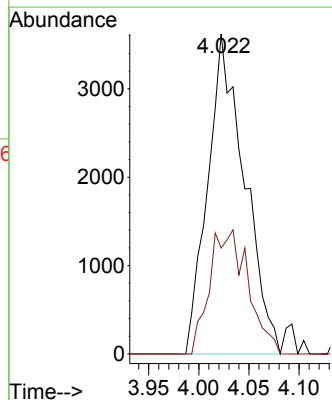
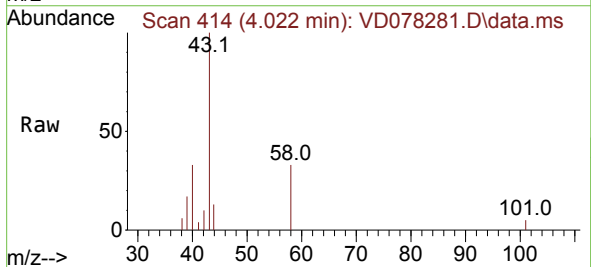
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

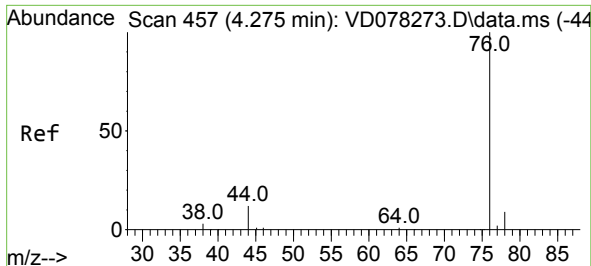
Tgt Ion: 53 Resp: 9122
Ion Ratio Lower Upper
53 100
52 49.1 65.0 97.4#
51 30.7 28.3 42.5



#16
Acetone
Concen: 28.551 ug/l
RT: 4.022 min Scan# 414
Delta R.T. -0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 43 Resp: 9219
Ion Ratio Lower Upper
43 100
58 33.1 34.7 52.1#

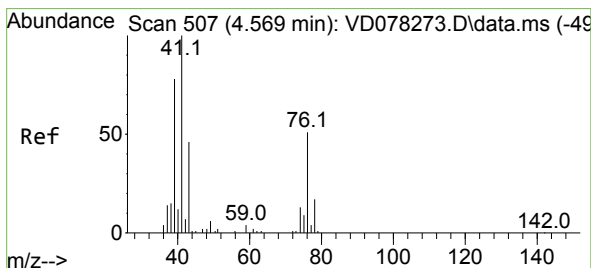
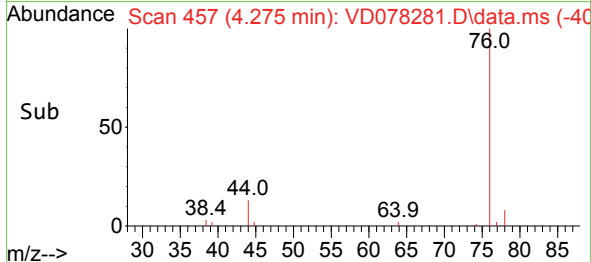
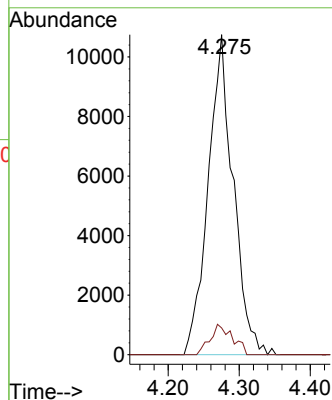
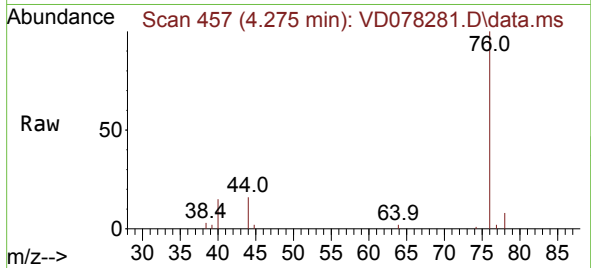




#17
Carbon Disulfide
Concen: 5.756 ug/l
RT: 4.275 min Scan# 457
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

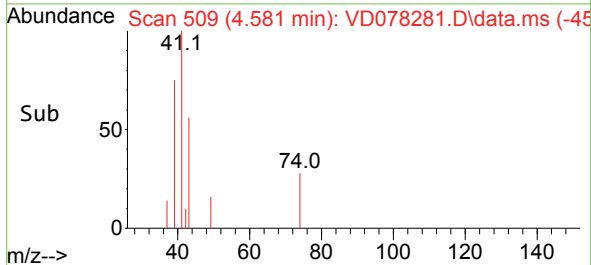
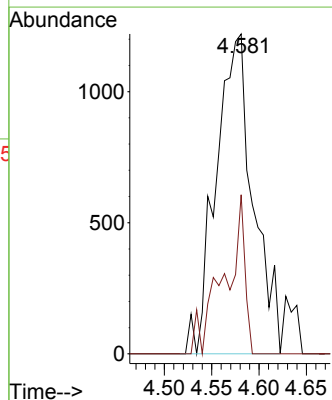
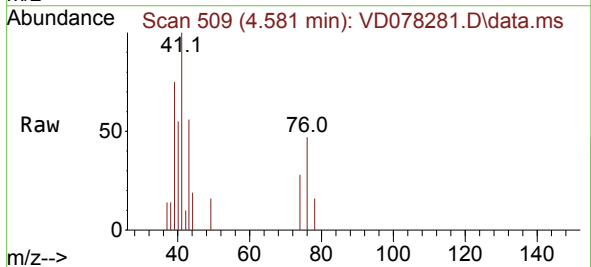
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

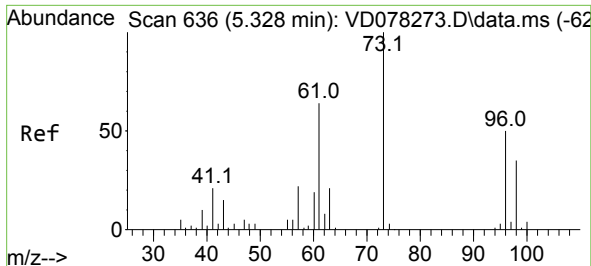
Tgt Ion: 76 Resp: 26388
Ion Ratio Lower Upper
76 100
78 8.3 6.8 10.2



#18
Methyl Acetate
Concen: 5.110 ug/l
RT: 4.581 min Scan# 509
Delta R.T. 0.012 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 43 Resp: 3328
Ion Ratio Lower Upper
43 100
74 27.3 26.4 39.6

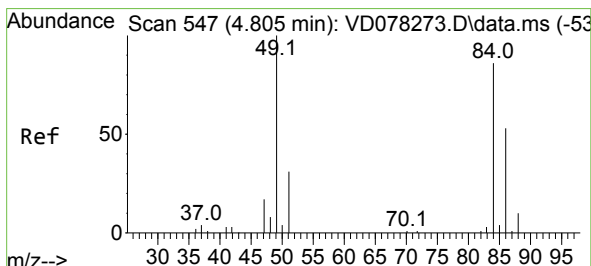
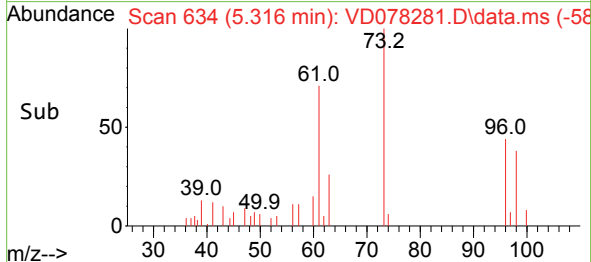
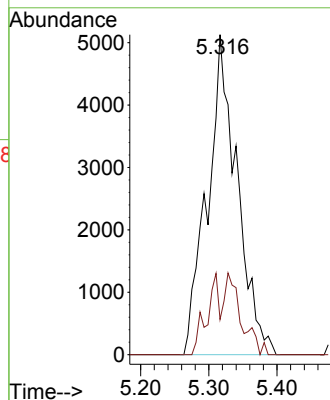
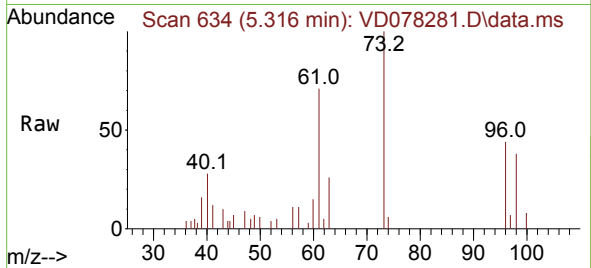




#19
Methyl tert-butyl Ether
Concen: 5.496 ug/l
RT: 5.316 min Scan# 61
Delta R.T. -0.012 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

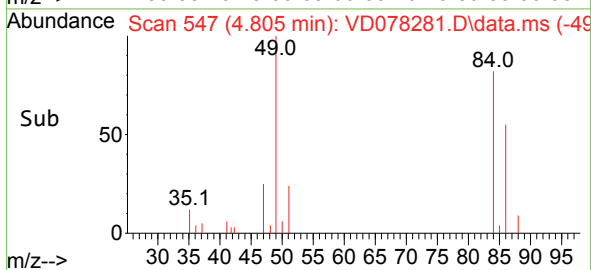
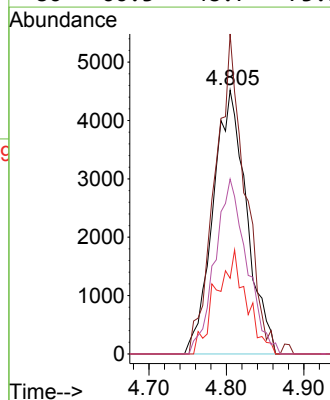
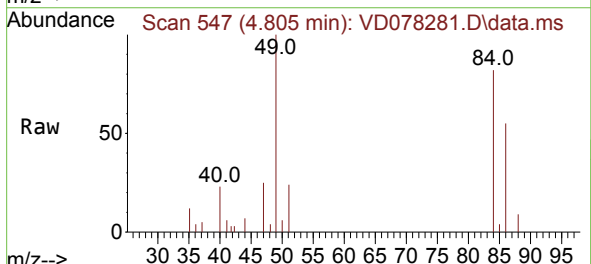
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

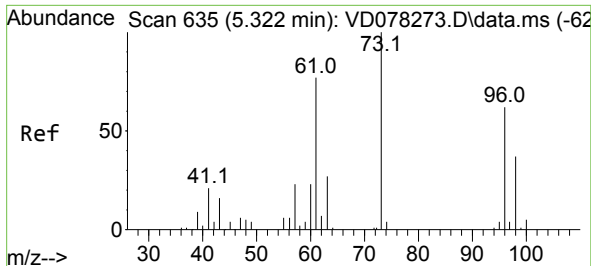
Tgt Ion: 73 Resp: 15520
Ion Ratio Lower Upper
73 100
57 11.0 16.6 25.0#



#20
Methylene Chloride
Concen: 8.016 ug/l
RT: 4.805 min Scan# 547
Delta R.T. -0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 84 Resp: 13608
Ion Ratio Lower Upper
84 100
49 121.4 71.4 107.2#
51 28.7 24.5 36.7
86 66.3 48.7 73.1

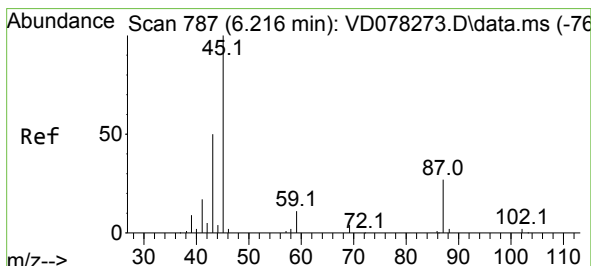
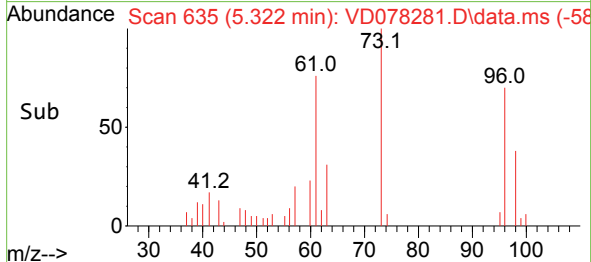
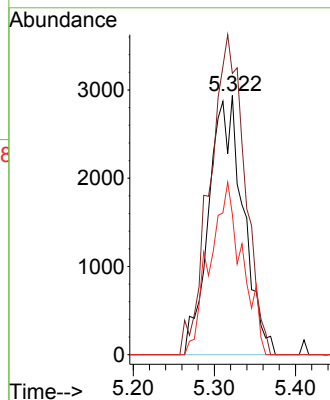
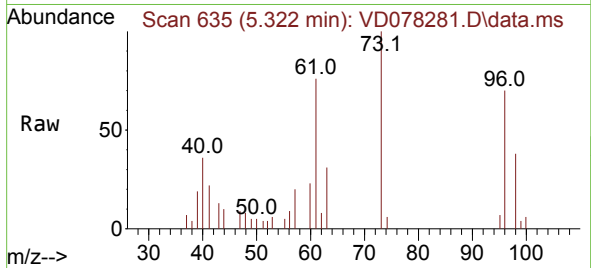




#21
trans-1,2-Dichloroethene
Concen: 5.618 ug/l
RT: 5.322 min Scan# 611
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

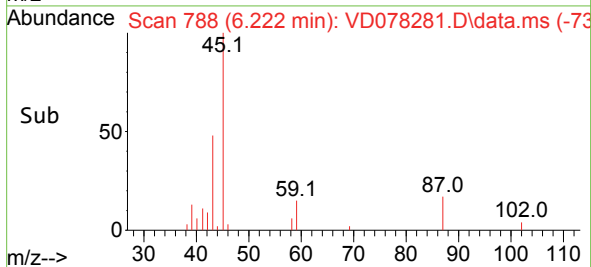
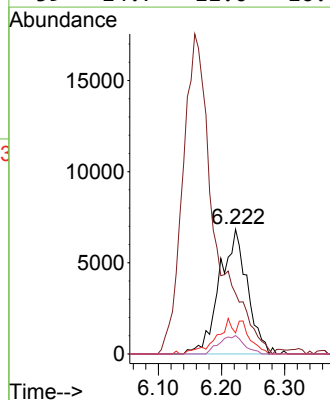
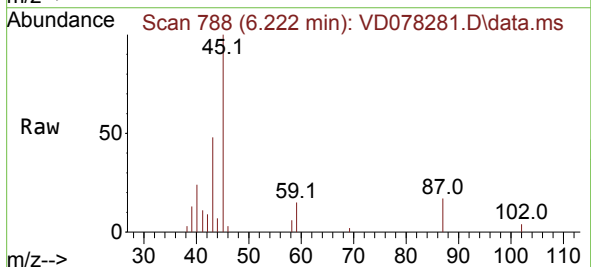
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

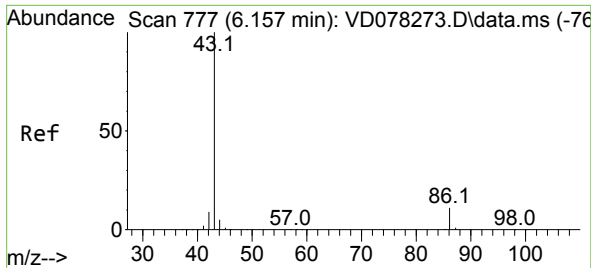
Tgt Ion: 96 Resp: 8626
Ion Ratio Lower Upper
96 100
61 108.5 89.3 133.9
98 54.1 48.6 73.0



#22
Diisopropyl ether
Concen: 5.474 ug/l
RT: 6.222 min Scan# 788
Delta R.T. 0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 45 Resp: 20854
Ion Ratio Lower Upper
45 100
43 44.7 40.0 60.0
87 17.0 28.2 42.4#
59 14.7 11.0 16.4

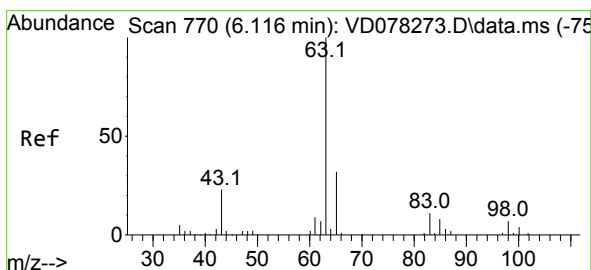
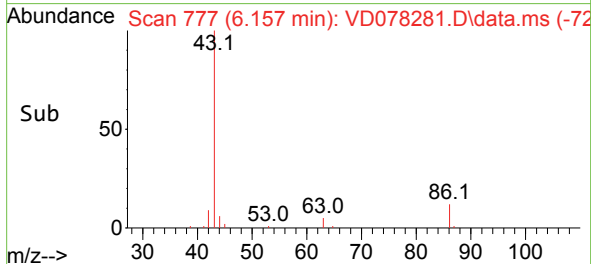
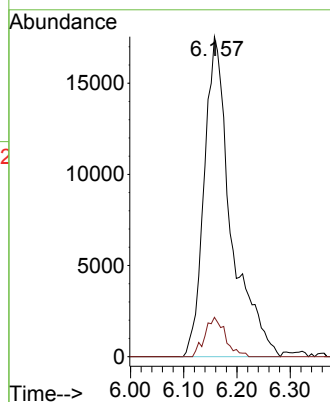
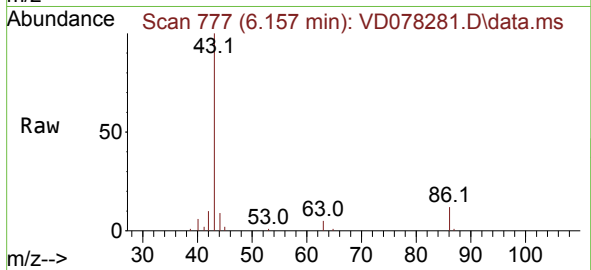




#23
 Vinyl Acetate
 Concen: 26.445 ug/l
 RT: 6.157 min Scan# 777
 Delta R.T. 0.000 min
 Lab File: VD078281.D
 Acq: 30 Jan 2024 16:21

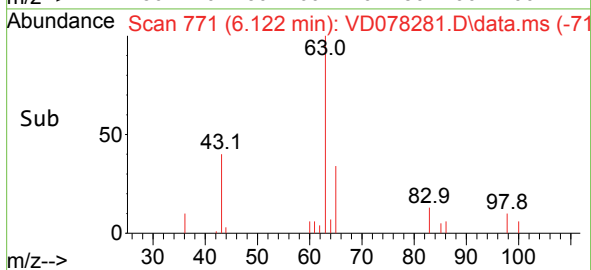
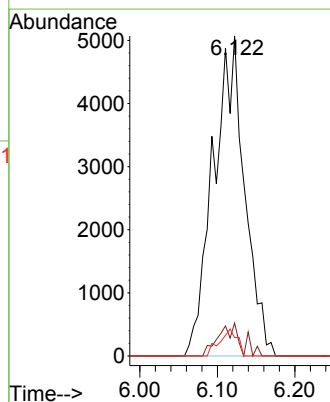
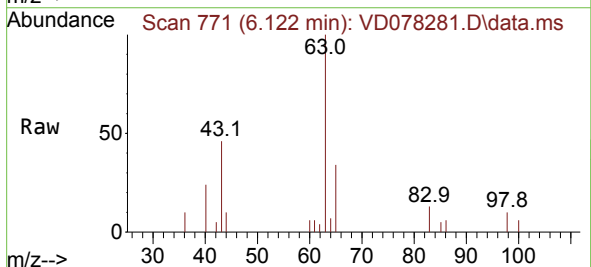
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

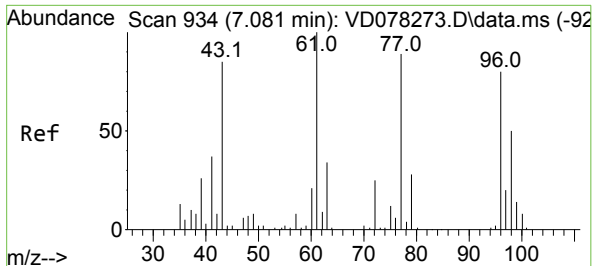
Tgt Ion: 43 Resp: 61464
 Ion Ratio Lower Upper
 43 100
 86 12.3 12.5 18.7#



#24
 1,1-Dichloroethane
 Concen: 5.414 ug/l
 RT: 6.122 min Scan# 771
 Delta R.T. 0.006 min
 Lab File: VD078281.D
 Acq: 30 Jan 2024 16:21

Tgt Ion: 63 Resp: 14278
 Ion Ratio Lower Upper
 63 100
 98 10.3 4.5 13.7
 100 5.7 2.5 7.5

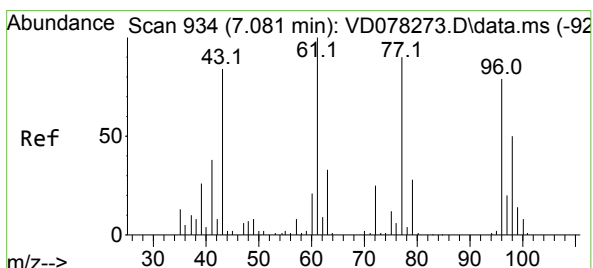
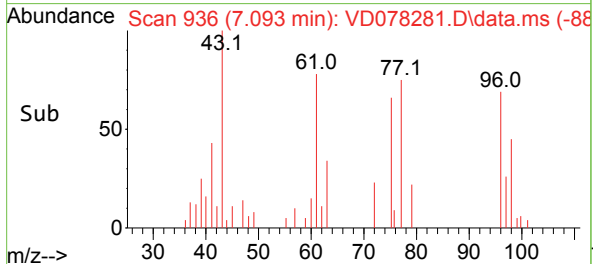
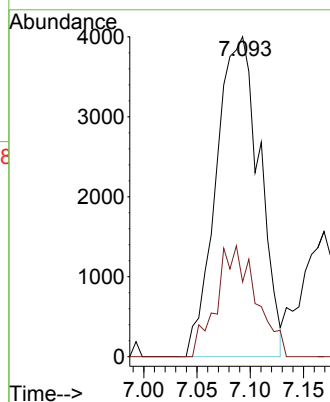
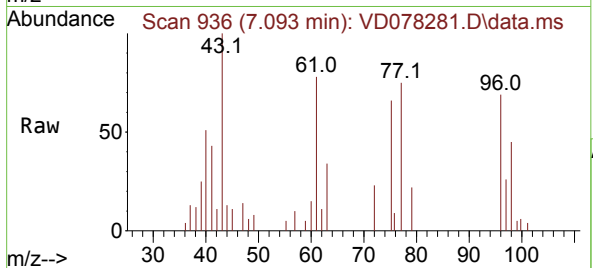




#25
2-Butanone
Concen: 27.831 ug/l
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

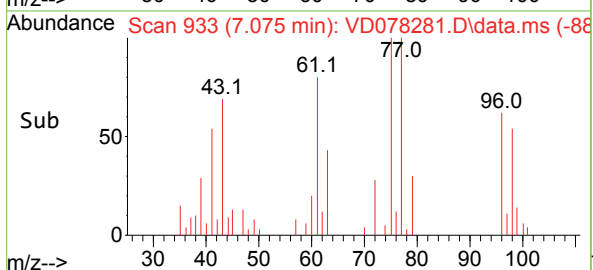
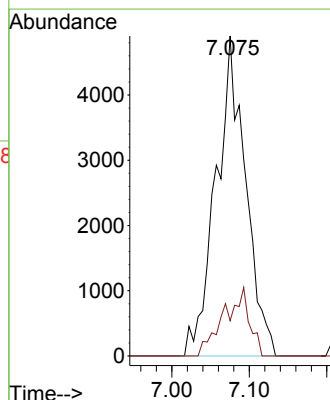
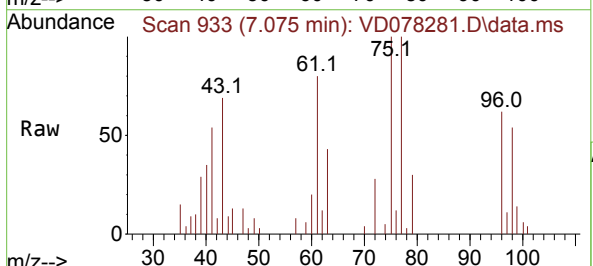
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

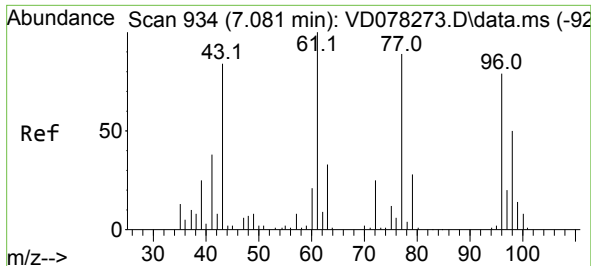
Tgt Ion: 43 Resp: 11332
Ion Ratio Lower Upper
43 100
72 23.3 30.7 46.1#



#26
2,2-Dichloropropane
Concen: 6.062 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 77 Resp: 13059
Ion Ratio Lower Upper
77 100
97 8.3 13.2 39.6#

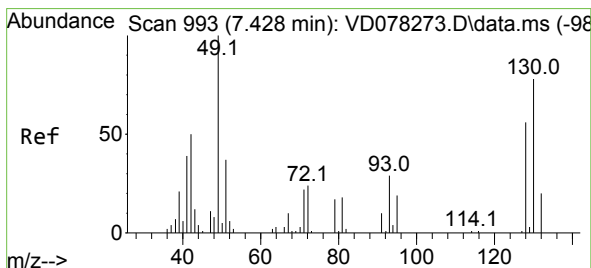
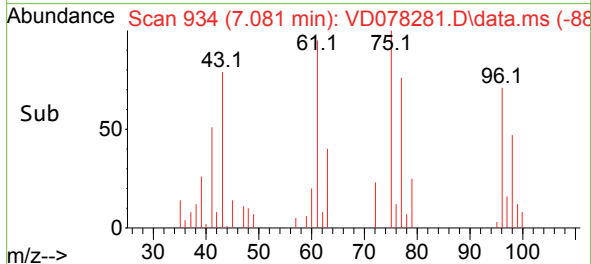
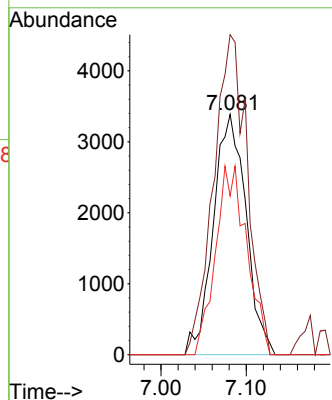
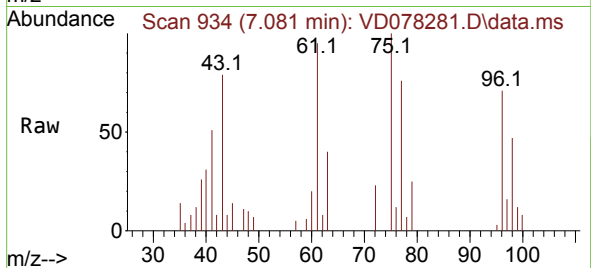




#27
 cis-1,2-Dichloroethene
 Concen: 5.296 ug/l
 RT: 7.081 min Scan# 912
 Delta R.T. 0.000 min
 Lab File: VD078281.D
 Acq: 30 Jan 2024 16:21

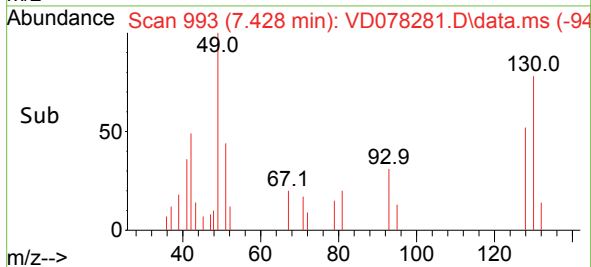
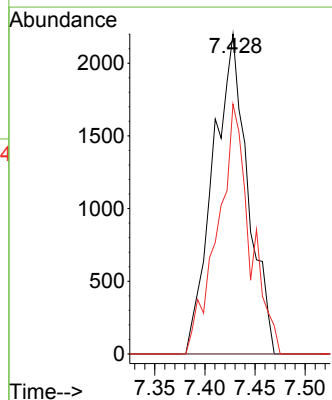
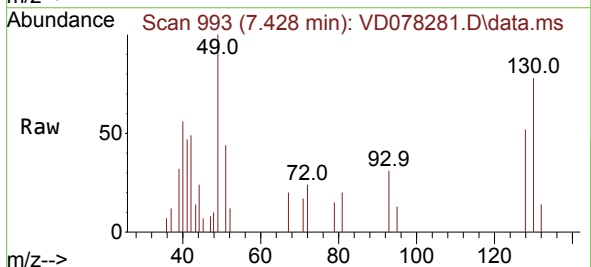
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

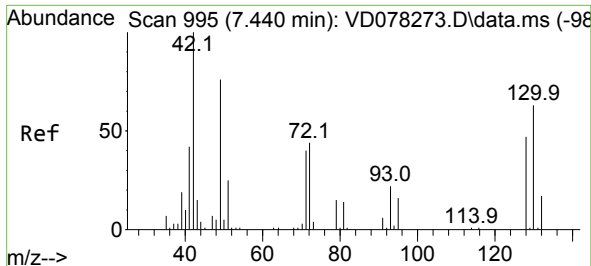
Tgt Ion: 96	Resp:	9012	
Ion	Ratio	Lower	Upper
96	100		
61	137.0	0.0	239.2
98	75.2	0.0	128.6



#28
 Bromochloromethane
 Concen: 5.656 ug/l
 RT: 7.428 min Scan# 993
 Delta R.T. 0.000 min
 Lab File: VD078281.D
 Acq: 30 Jan 2024 16:21

Tgt Ion: 49	Resp:	5320	
Ion Ratio	Lower	Upper	
49	100		
129	0.0	0.0	6.0
130	72.9	83.2	124.8#





#29

Tetrahydrofuran

Concen: 25.833 ug/l

RT: 7.452 min Scan# 995

Delta R.T. 0.012 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

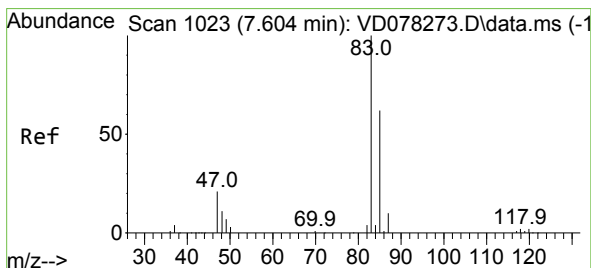
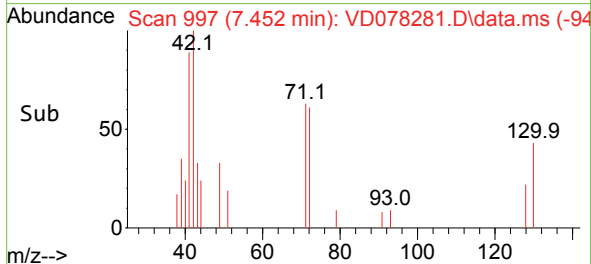
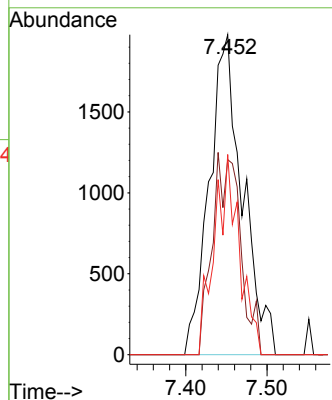
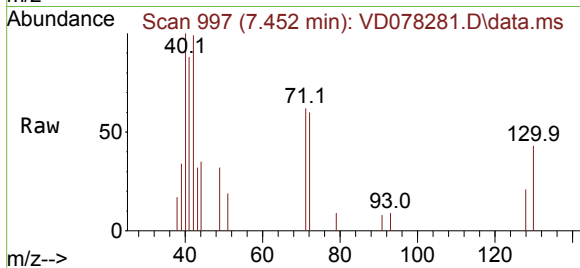
Tgt Ion: 42 Resp: 5627

Ion Ratio Lower Upper

42 100

72 53.5 46.5 69.7

71 47.1 44.5 66.7



#30

Chloroform

Concen: 5.976 ug/l

RT: 7.599 min Scan# 1022

Delta R.T. -0.006 min

Lab File: VD078281.D

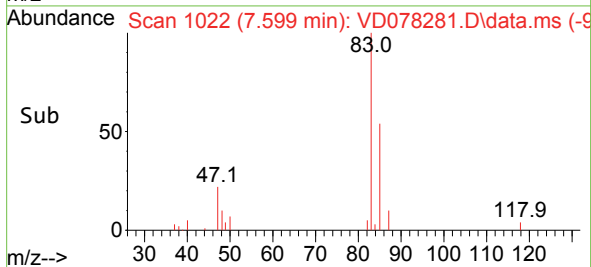
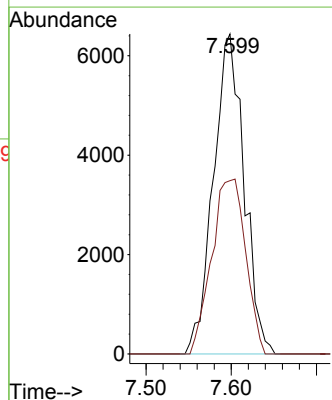
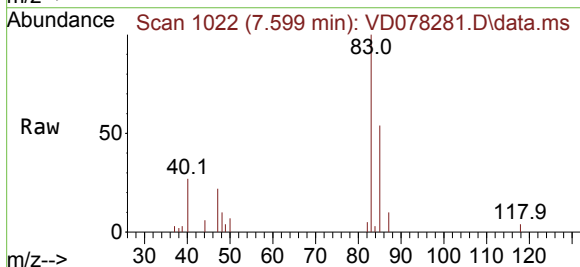
Acq: 30 Jan 2024 16:21

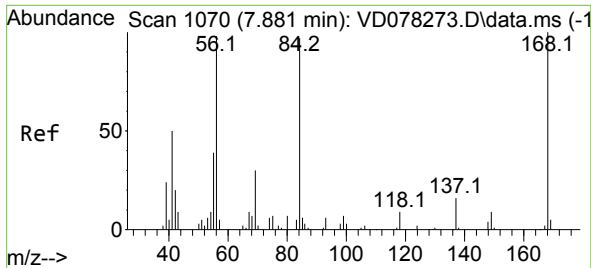
Tgt Ion: 83 Resp: 16114

Ion Ratio Lower Upper

83 100

85 54.2 53.4 80.2

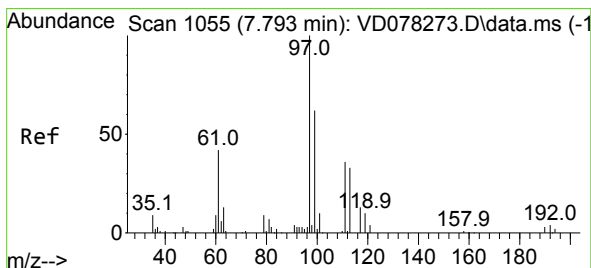
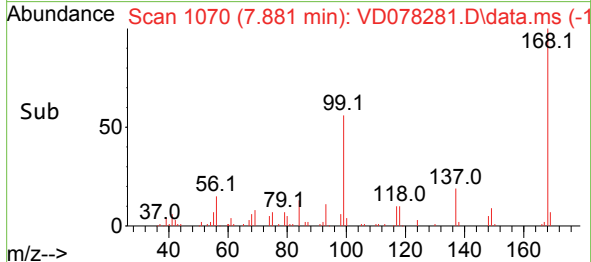
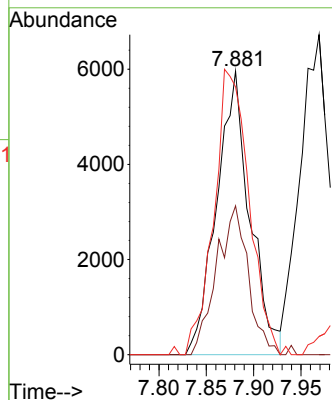
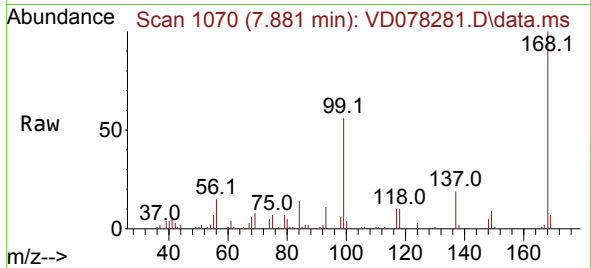




#31
Cyclohexane
Concen: 6.343 ug/l
RT: 7.881 min Scan# 1070
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

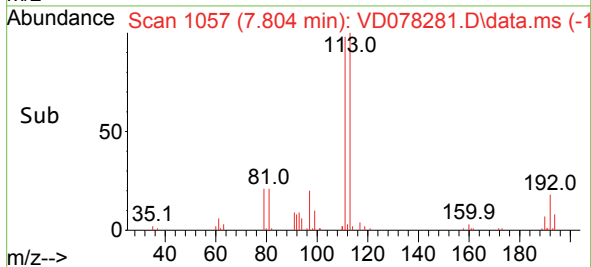
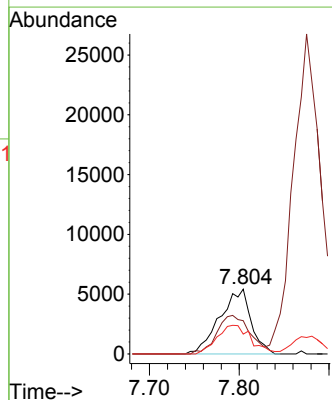
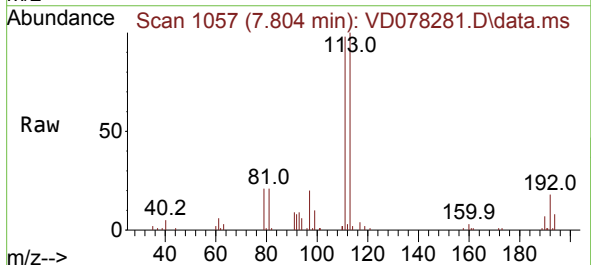
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

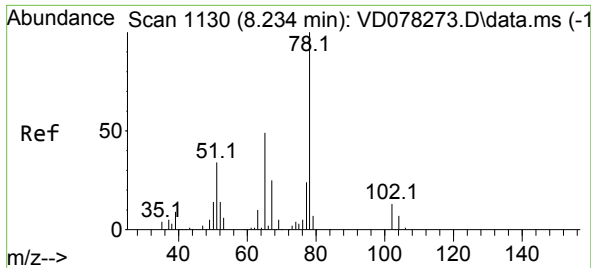
Tgt Ion: 56 Resp: 14516
Ion Ratio Lower Upper
56 100
69 52.5 28.6 43.0#
84 94.5 84.8 127.2



#32
1,1,1-Trichloroethane
Concen: 5.609 ug/l
RT: 7.804 min Scan# 1057
Delta R.T. 0.012 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 97 Resp: 13035
Ion Ratio Lower Upper
97 100
99 62.7 52.0 78.0
61 48.1 33.8 50.8

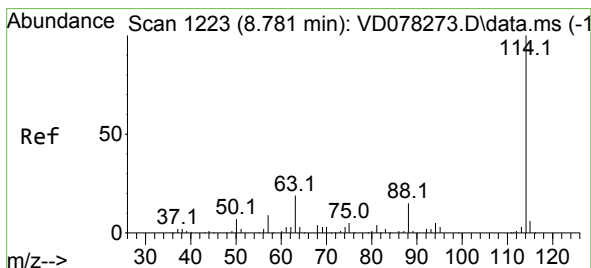
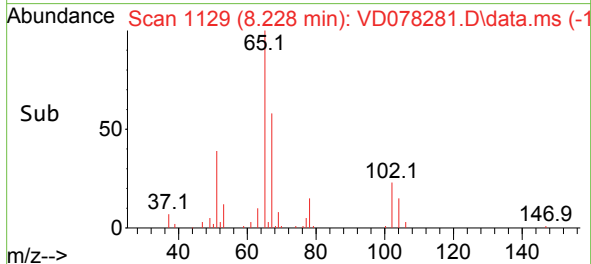
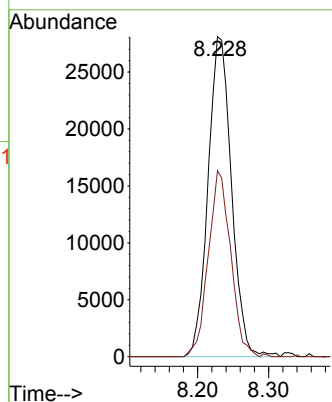
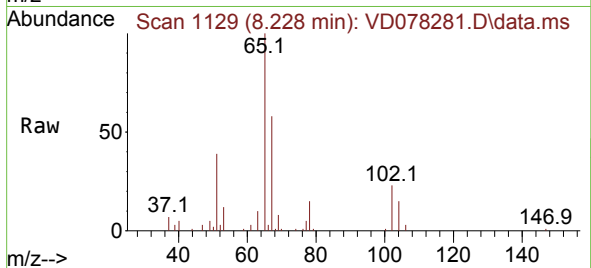




#33
1,2-Dichloroethane-d4
Concen: 52.775 ug/l
RT: 8.228 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

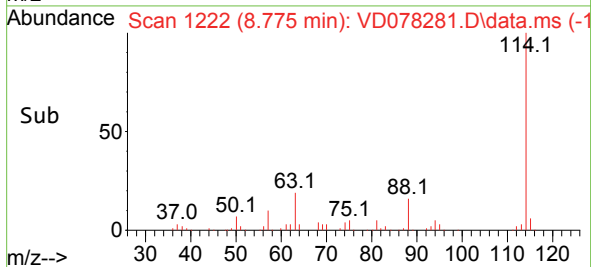
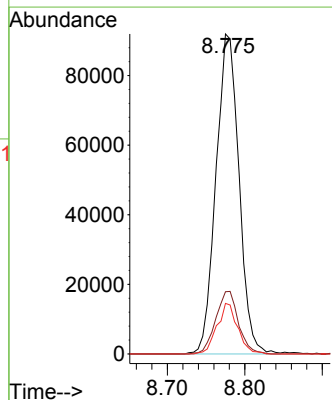
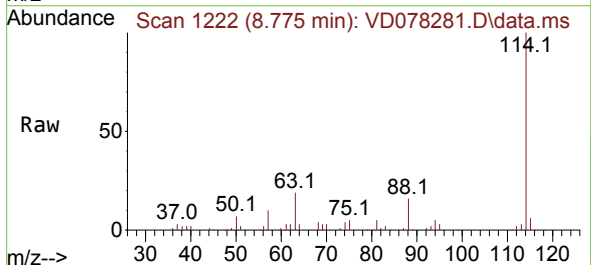
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

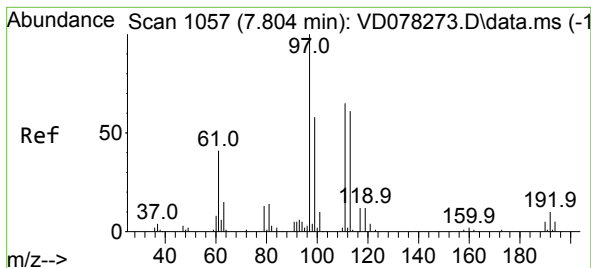
Tgt Ion: 65 Resp: 64488
Ion Ratio Lower Upper
65 100
67 55.4 0.0 115.0



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 1222
Delta R.T. -0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion:114 Resp: 189934
Ion Ratio Lower Upper
114 100
63 19.5 0.0 33.4
88 15.8 0.0 26.2





#35

Dibromofluoromethane

Concen: 49.322 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

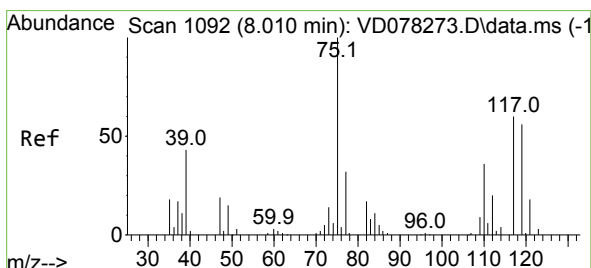
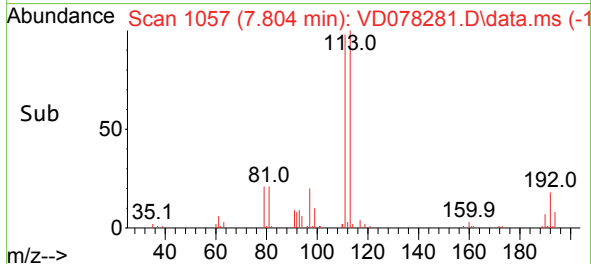
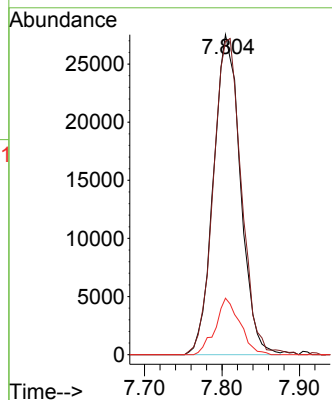
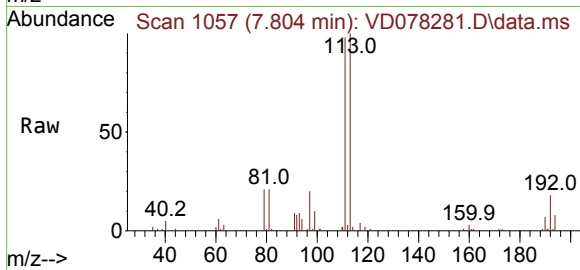
Tgt Ion:113 Resp: 66693

Ion Ratio Lower Upper

113 100

111 102.4 84.7 127.1

192 16.0 16.8 25.2#



#36

1,1-Dichloropropene

Concen: 5.194 ug/l

RT: 8.016 min Scan# 1093

Delta R.T. 0.006 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

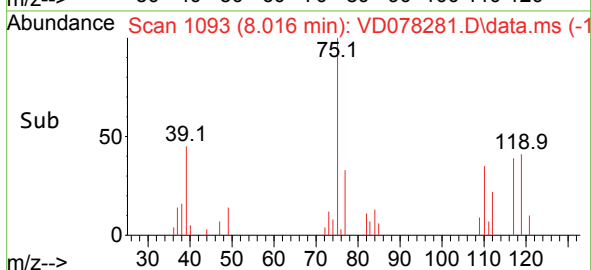
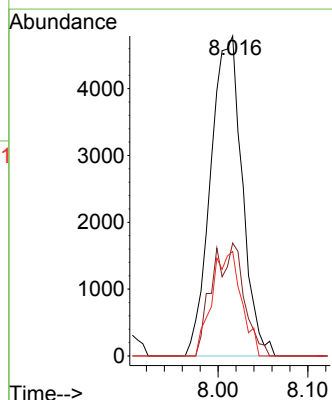
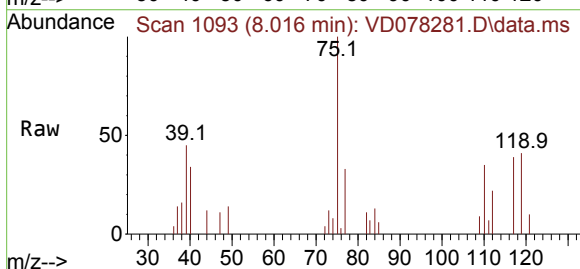
Tgt Ion: 75 Resp: 11647

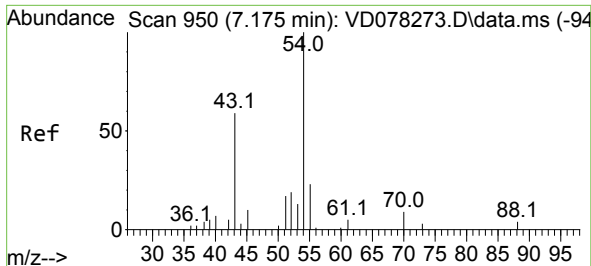
Ion Ratio Lower Upper

75 100

110 35.6 19.9 59.6

77 30.6 24.7 37.1





#37

Ethyl Acetate

Concen: 5.468 ug/l

RT: 7.169 min Scan# 949

Delta R.T. -0.006 min

Lab File: VD078281.D

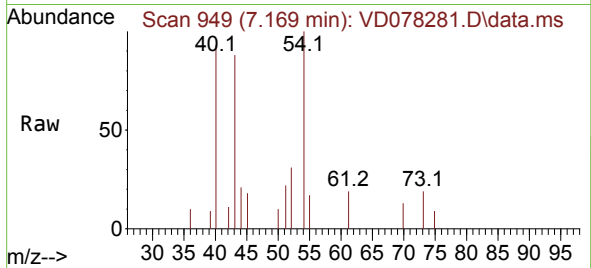
Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024



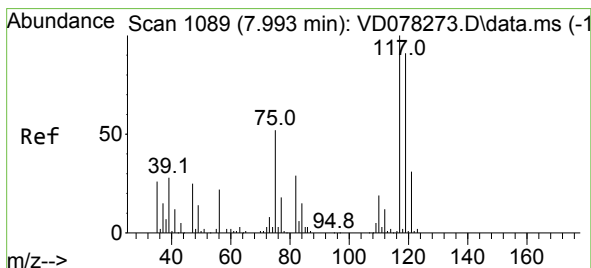
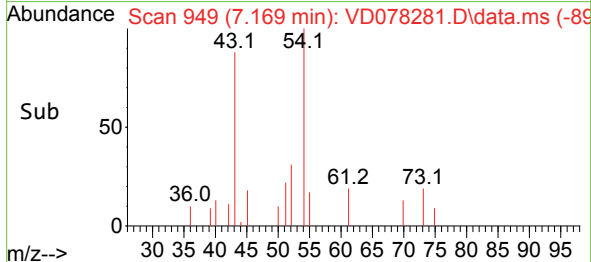
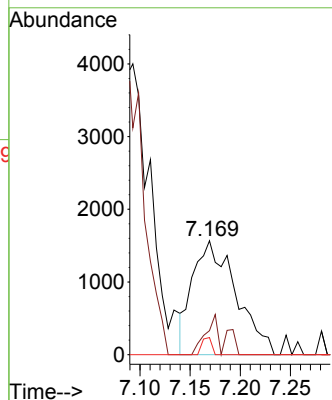
Tgt Ion: 43 Resp: 4719

Ion Ratio Lower Upper

43 100

61 9.7 14.9 22.3#

70 3.4 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 5.465 ug/l

RT: 7.993 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

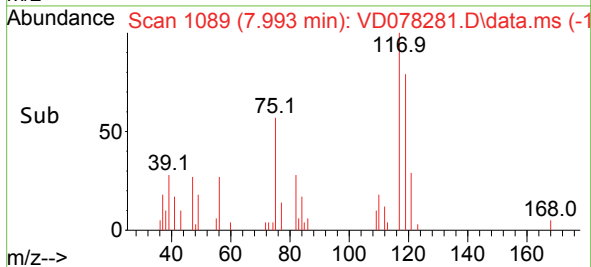
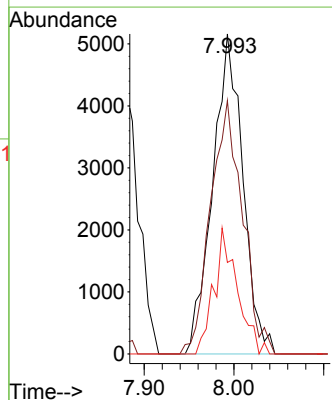
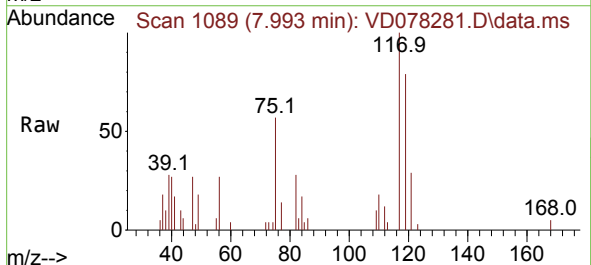
Tgt Ion: 117 Resp: 12049

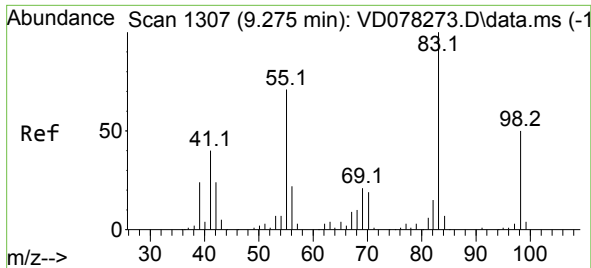
Ion Ratio Lower Upper

117 100

119 79.2 78.0 117.0

121 28.6 24.2 36.2

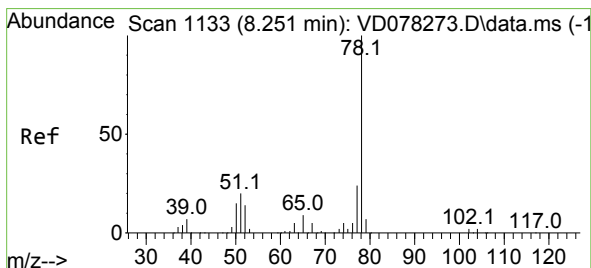
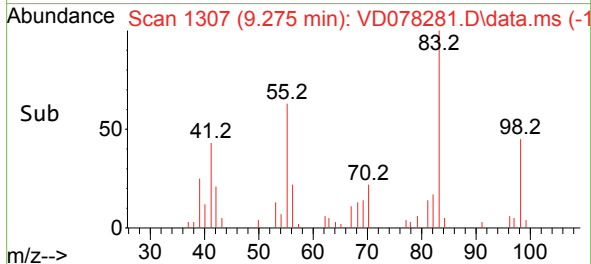
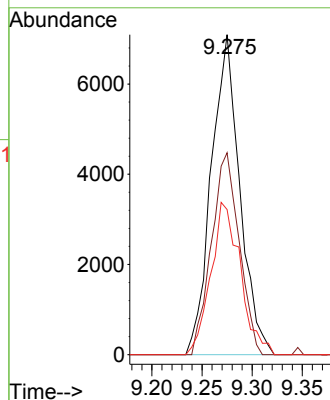
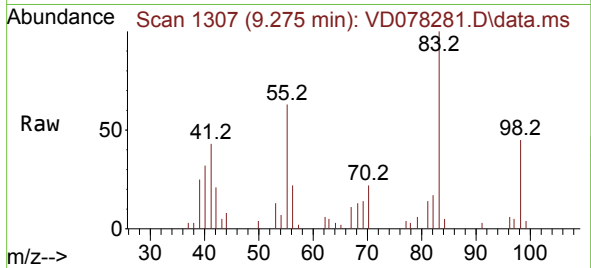




#39
Methylcyclohexane
Concen: 5.284 ug/l
RT: 9.275 min Scan# 11307
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

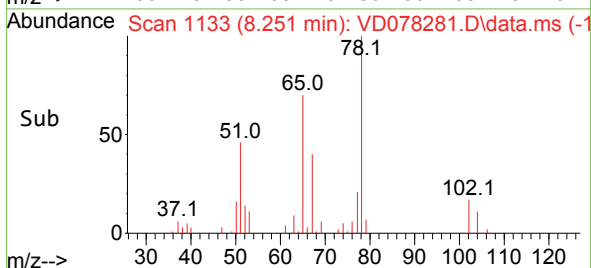
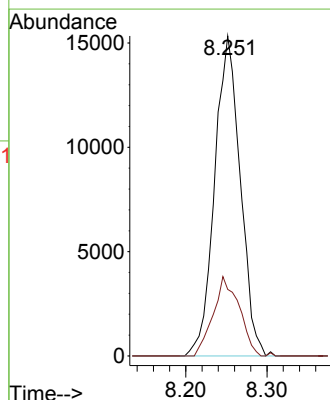
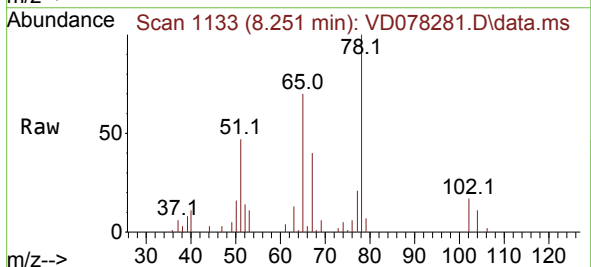
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

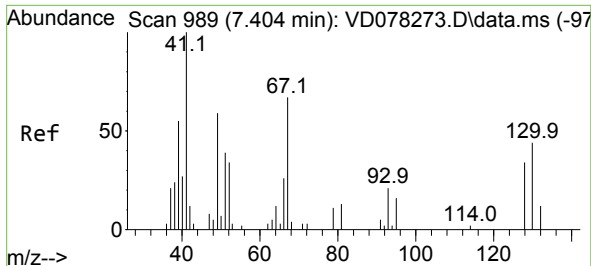
Tgt Ion: 83	Resp: 14009
Ion Ratio	Lower Upper
83 100	
55 63.1	49.4 74.0
98 45.4	38.4 57.6



#40
Benzene
Concen: 5.147 ug/l
RT: 8.251 min Scan# 1133
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 78	Resp: 33674
Ion Ratio	Lower Upper
78 100	
77 20.8	19.4 29.0

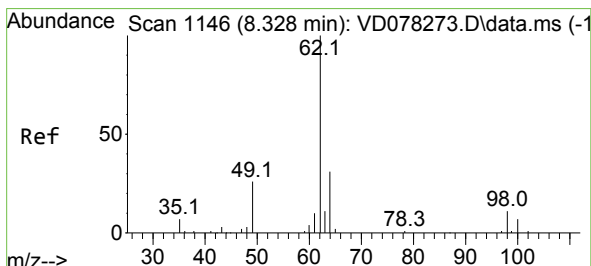
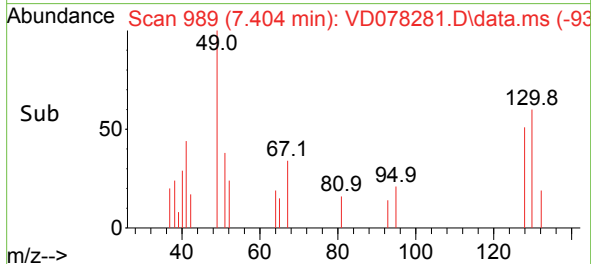
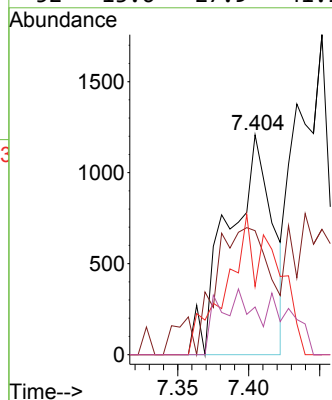
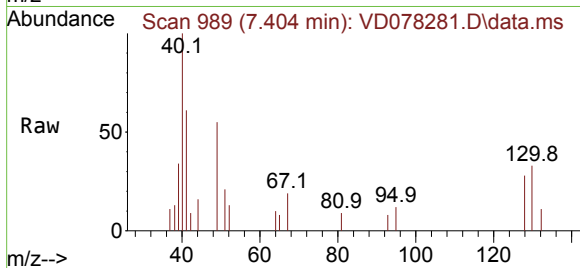




#41
Methacrylonitrile
Concen: 5.591 ug/l
RT: 7.404 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

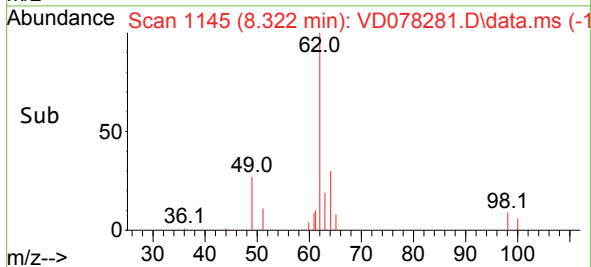
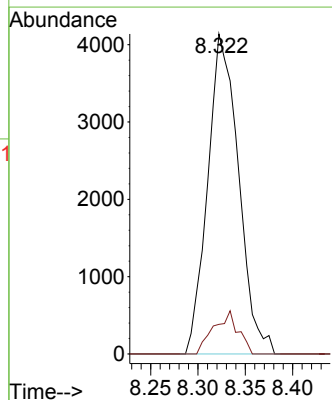
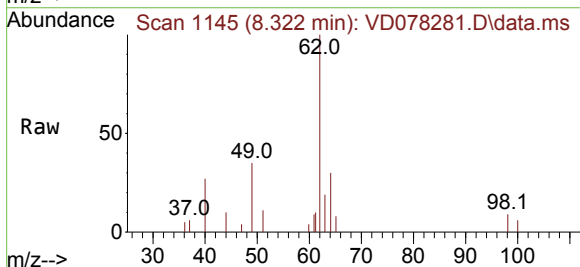
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

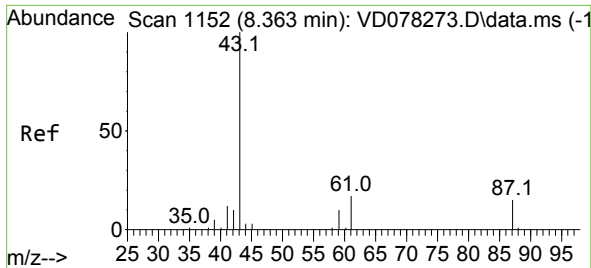
Tgt Ion:	41	Resp:	2594
Ion	Ratio	Lower	Upper
41	100		
39	77.8	34.0	51.0#
67	41.0	77.0	115.4#
52	13.6	27.9	41.9#



#42
1,2-Dichloroethane
Concen: 5.535 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion:	62	Resp:	9393
Ion	Ratio	Lower	Upper
62	100		
98	10.6	0.0	25.4

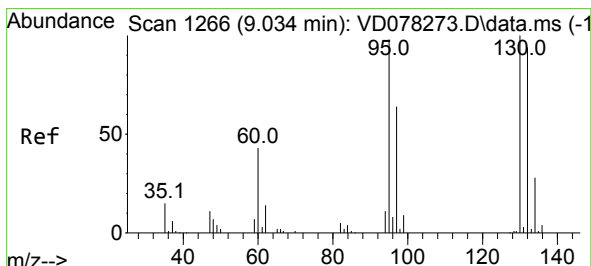
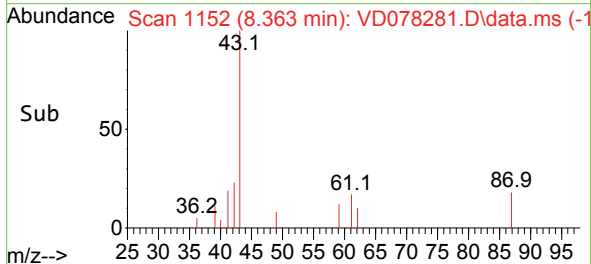
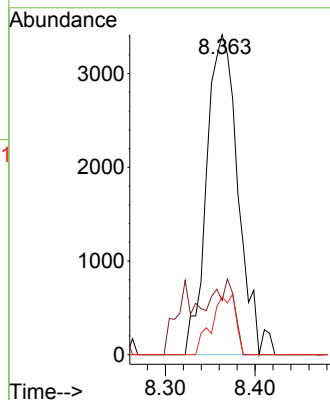
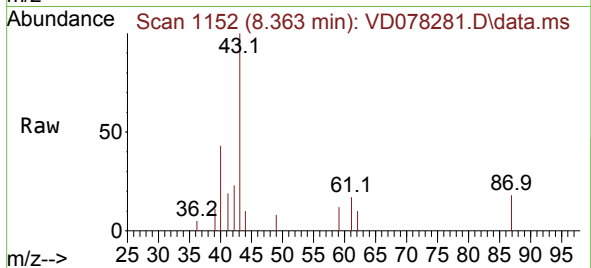




#43
Isopropyl Acetate
Concen: 5.376 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

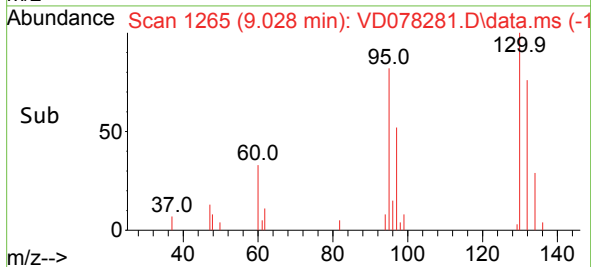
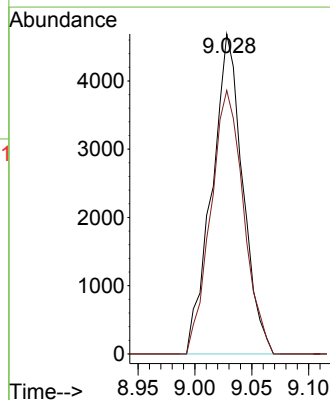
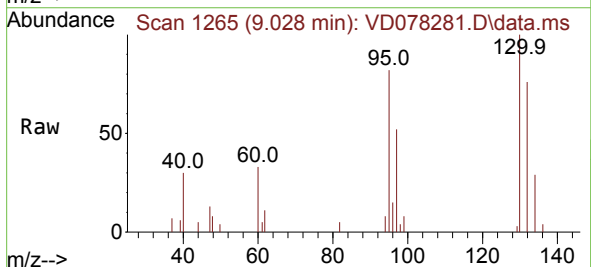
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

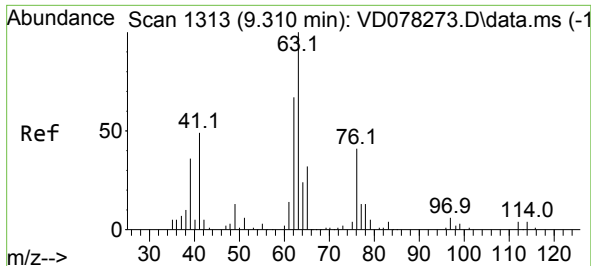
Tgt Ion: 43 Resp: 8319
Ion Ratio Lower Upper
43 100
61 15.6 31.4 47.0#
87 14.2 14.9 22.3#



#44
Trichloroethene
Concen: 5.510 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. -0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion:130 Resp: 8852
Ion Ratio Lower Upper
130 100
95 82.4 0.0 179.2





#45

1,2-Dichloropropane

Concen: 5.229 ug/l

RT: 9.310 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

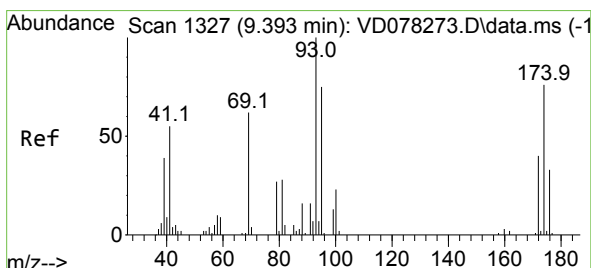
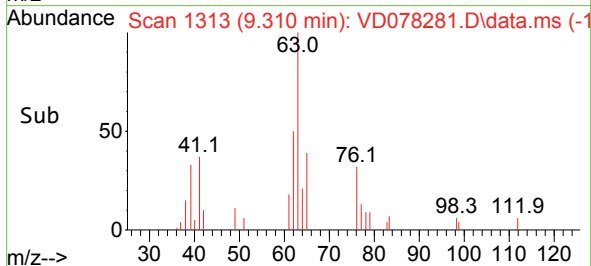
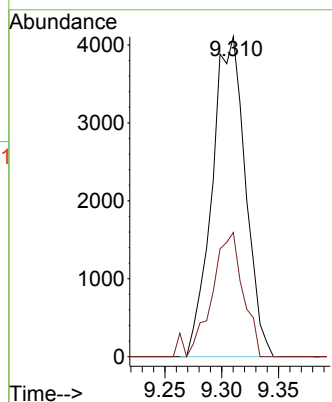
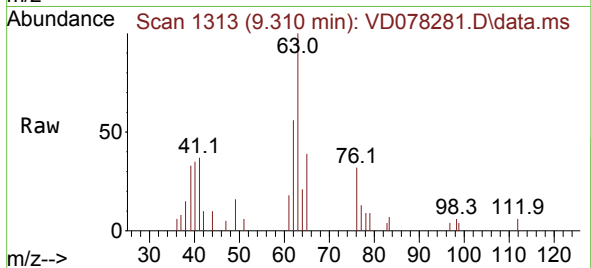
LOQ-SOIL-02-QT1-2024

Tgt Ion: 63 Resp: 8365

Ion Ratio Lower Upper

63 100

65 38.8 24.5 36.7#



#46

Dibromomethane

Concen: 5.030 ug/l

RT: 9.398 min Scan# 1328

Delta R.T. 0.006 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

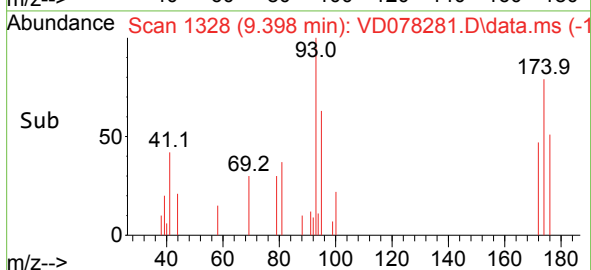
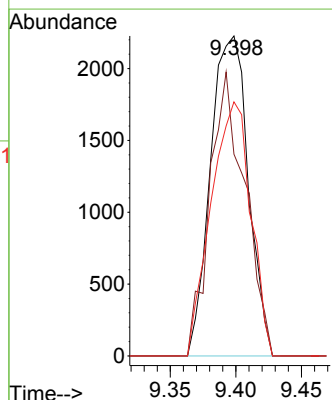
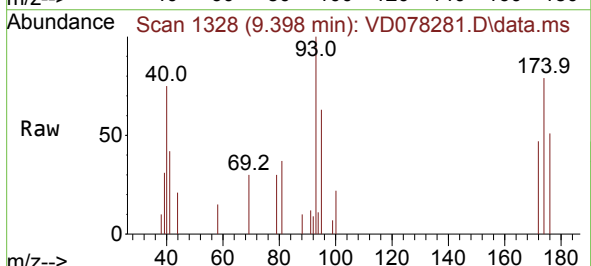
Tgt Ion: 93 Resp: 4464

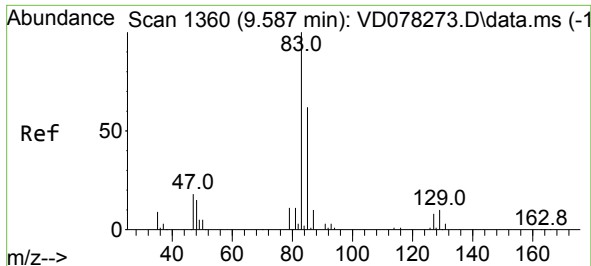
Ion Ratio Lower Upper

93 100

95 82.4 67.7 101.5

174 83.5 85.4 128.2#





#47

Bromodichloromethane

Concen: 5.067 ug/l

RT: 9.587 min Scan# 11

Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

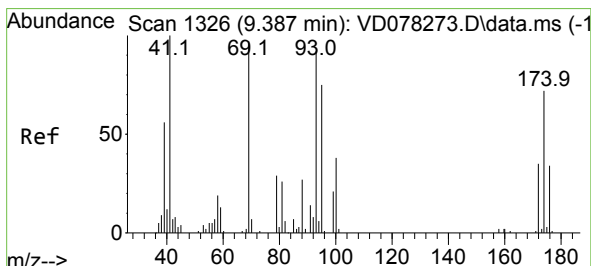
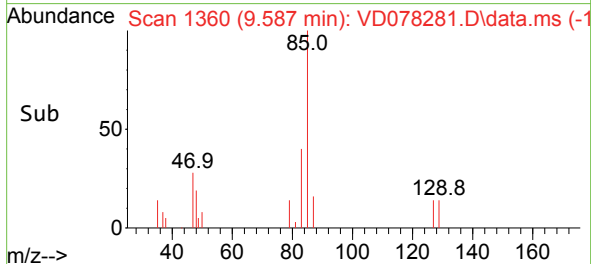
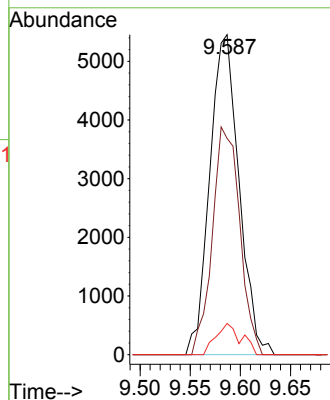
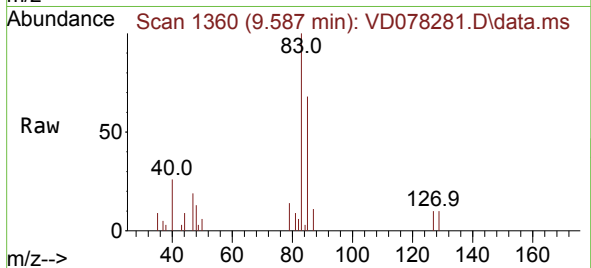
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion: 83	Resp: 11065
Ion Ratio	Lower Upper
83	100
85	67.6 50.2 75.4
127	9.7 6.3 9.5#



#48

Methyl methacrylate

Concen: 5.299 ug/l

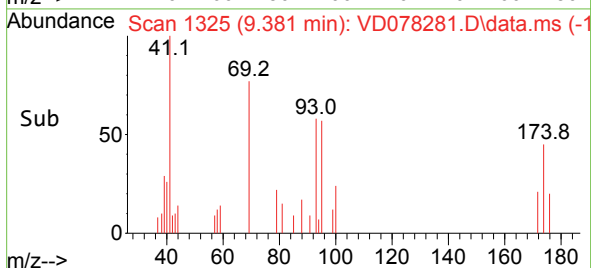
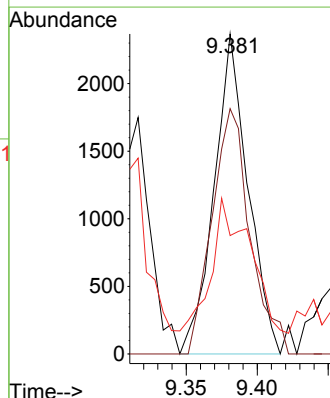
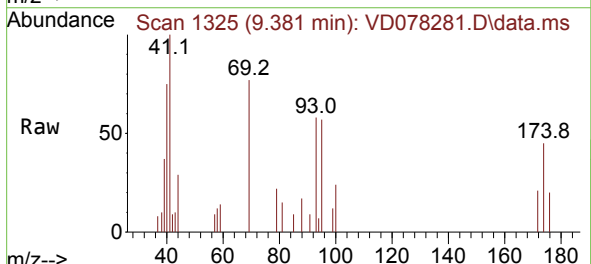
RT: 9.381 min Scan# 1325

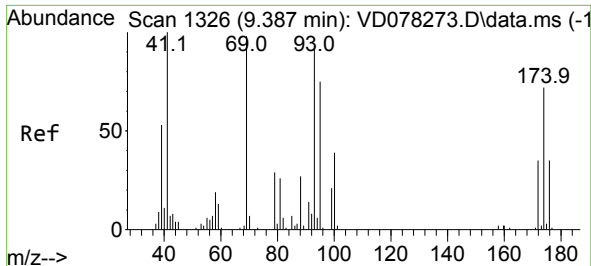
Delta R.T. -0.006 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Tgt Ion: 41	Resp: 3918
Ion Ratio	Lower Upper
41	100
69	86.3 102.2 153.2#
39	48.9 41.4 62.2





#49

1,4-Dioxane

Concen: 95.620 ug/l

RT: 9.369 min Scan# 11

Delta R.T. -0.018 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

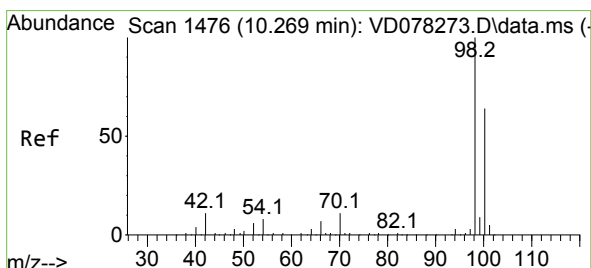
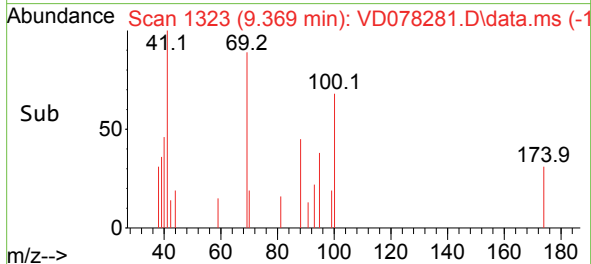
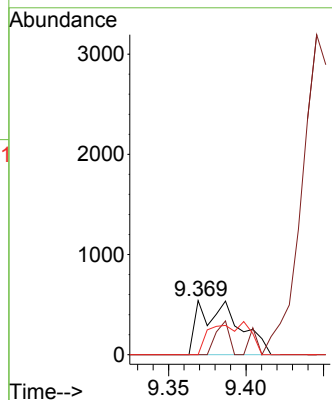
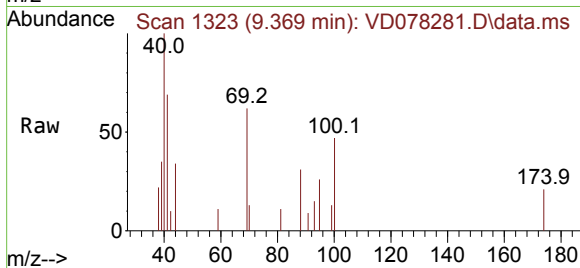
Tgt Ion: 88 Resp: 952

Ion Ratio Lower Upper

88 100

43 0.0 19.0 28.6#

58 0.0 43.5 65.3#



#50

Toluene-d8

Concen: 48.928 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD078281.D

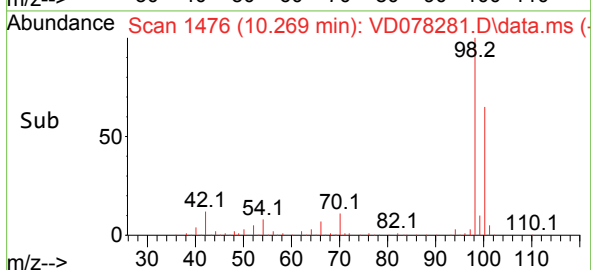
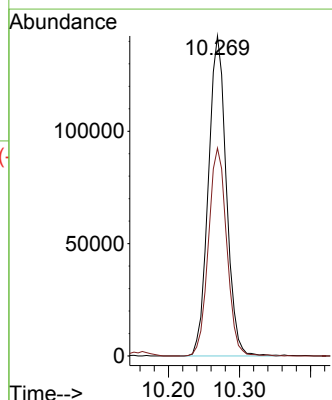
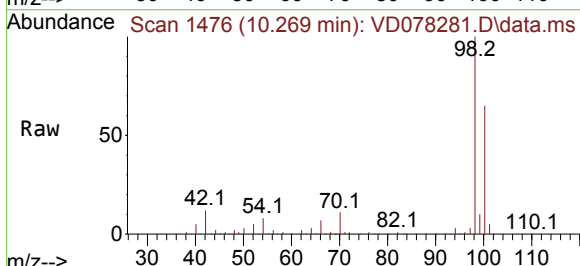
Acq: 30 Jan 2024 16:21

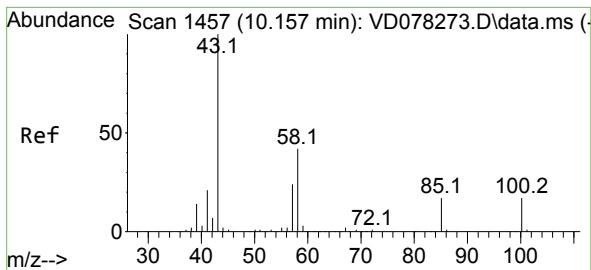
Tgt Ion: 98 Resp: 250483

Ion Ratio Lower Upper

98 100

100 66.1 50.3 75.5

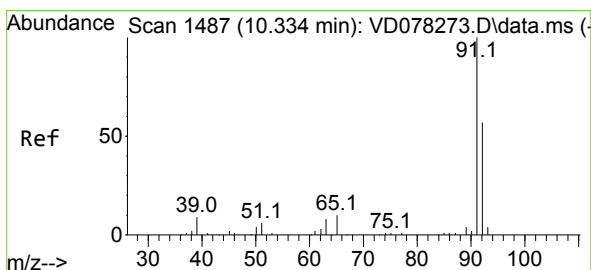
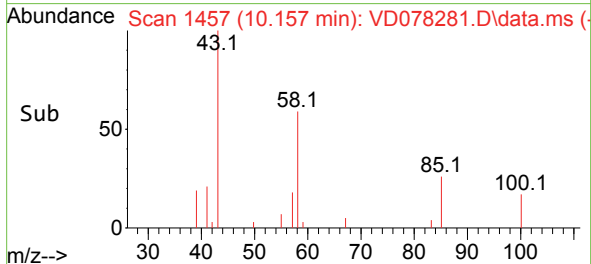
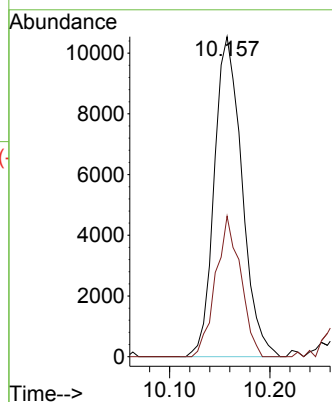
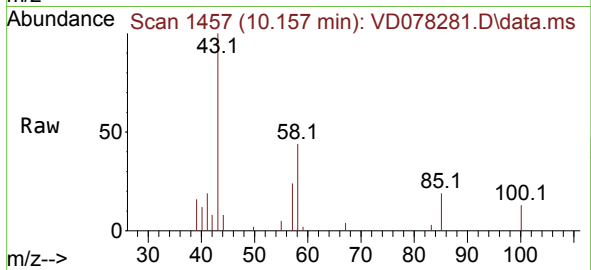




#51
4-Methyl-2-Pentanone
Concen: 24.153 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

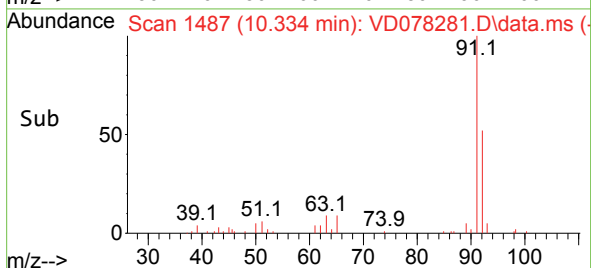
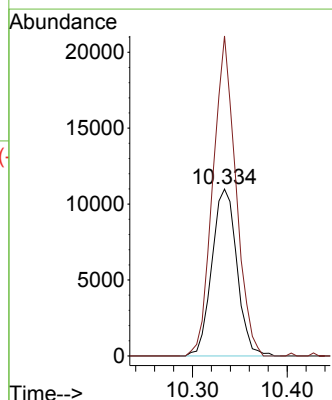
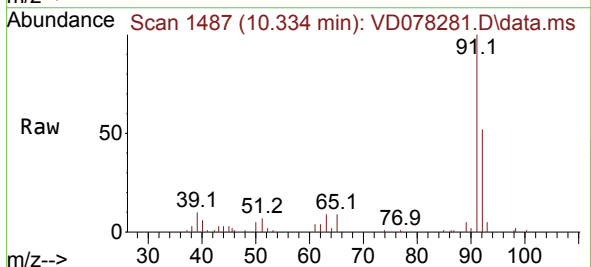
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

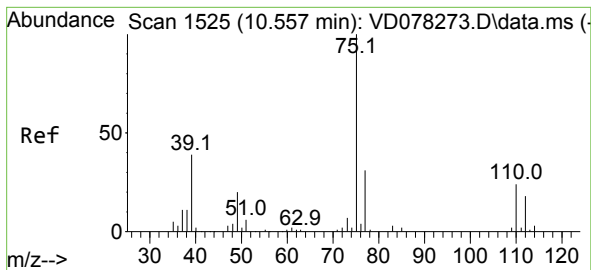
Tgt Ion: 43 Resp: 20218
Ion Ratio Lower Upper
43 100
58 39.5 38.9 58.3



#52
Toluene
Concen: 5.082 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 92 Resp: 20166
Ion Ratio Lower Upper
92 100
91 176.0 143.0 214.4

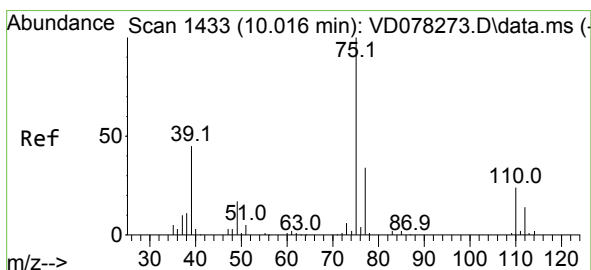
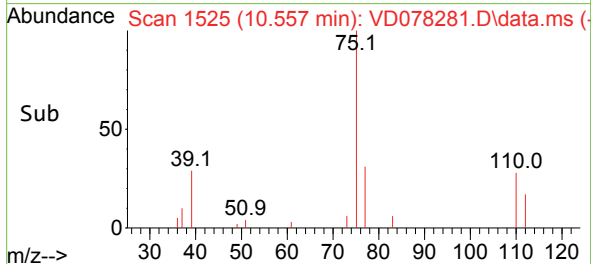
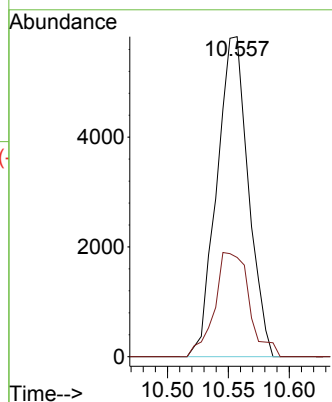
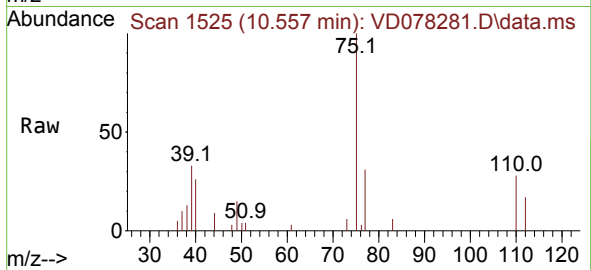




#53
 t-1,3-Dichloropropene
 Concen: 5.147 ug/l
 RT: 10.557 min Scan# 1525
 Delta R.T. 0.000 min
 Lab File: VD078281.D
 Acq: 30 Jan 2024 16:21

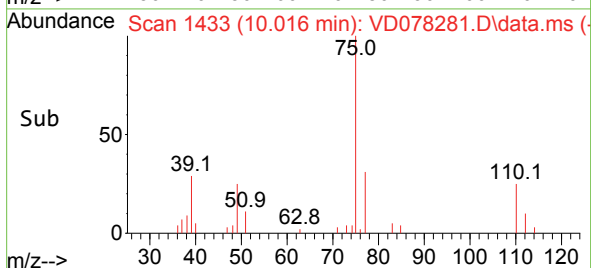
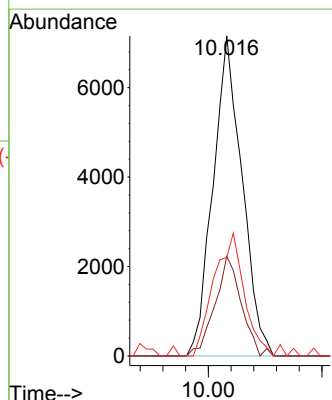
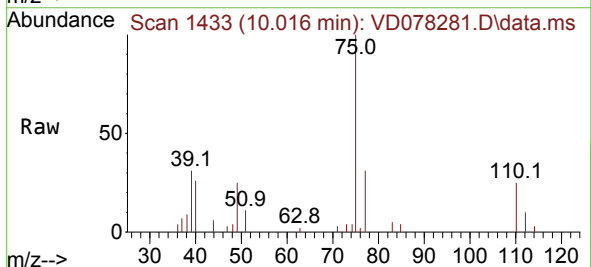
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT1-2024

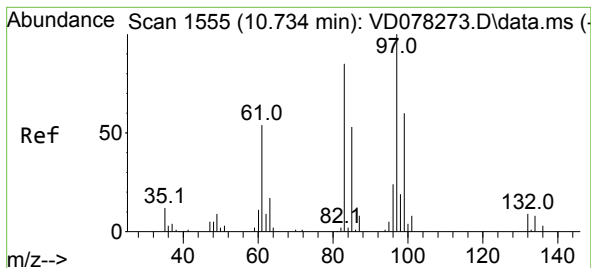
Tgt Ion: 75 Resp: 10499
 Ion Ratio Lower Upper
 75 100
 77 31.0 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 5.259 ug/l
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD078281.D
 Acq: 30 Jan 2024 16:21

Tgt Ion: 75 Resp: 12698
 Ion Ratio Lower Upper
 75 100
 77 31.1 25.5 38.3
 39 30.7 22.1 33.1





#55

1,1,2-Trichloroethane

Concen: 5.242 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

Tgt Ion: 97 Resp: 6071

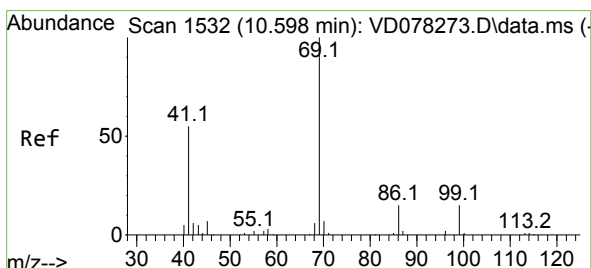
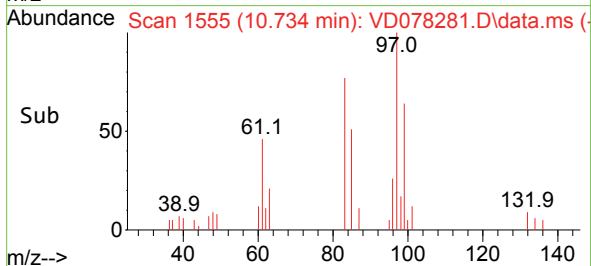
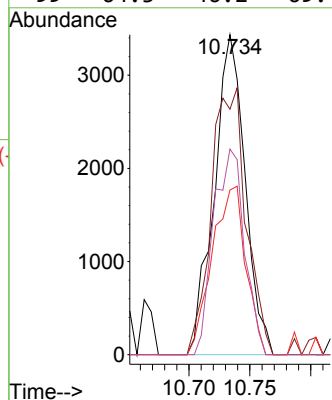
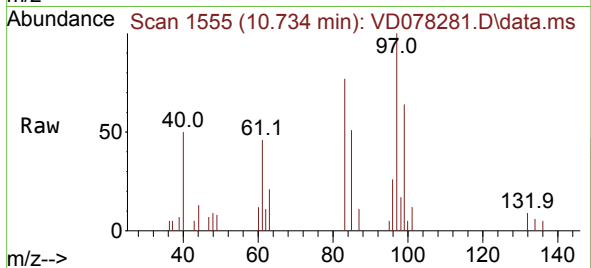
Ion Ratio Lower Upper

97 100

83 76.7 65.8 98.6

85 51.4 45.7 68.5

99 64.3 46.2 69.4



#56

Ethyl methacrylate

Concen: 5.047 ug/l

RT: 10.604 min Scan# 1533

Delta R.T. 0.006 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

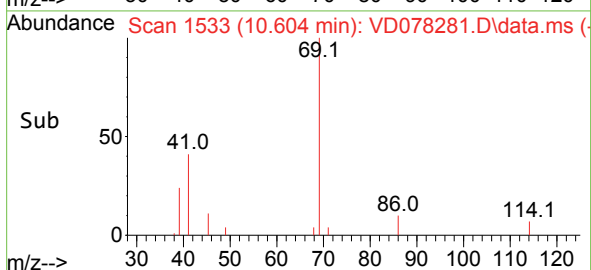
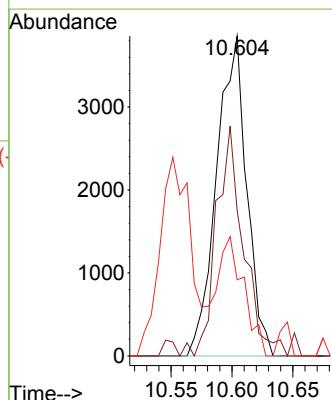
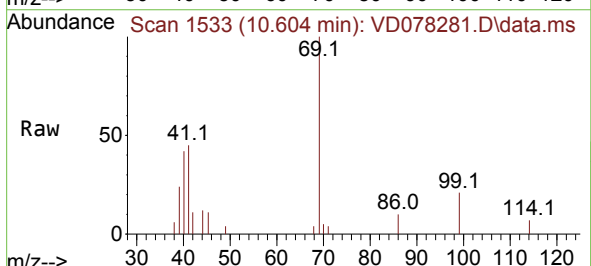
Tgt Ion: 69 Resp: 6630

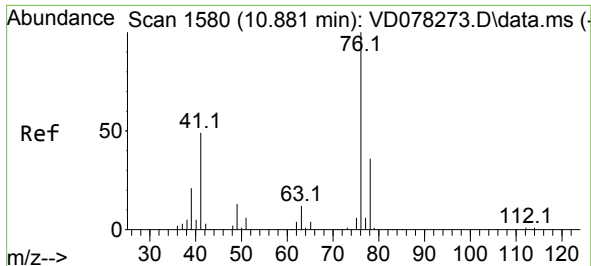
Ion Ratio Lower Upper

69 100

41 65.0 39.1 58.7#

39 35.1 20.0 30.0#





#57

1,3-Dichloropropane

Concen: 5.432 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

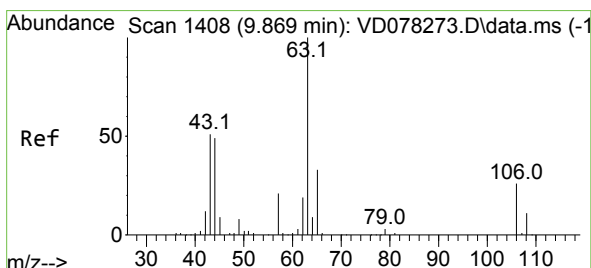
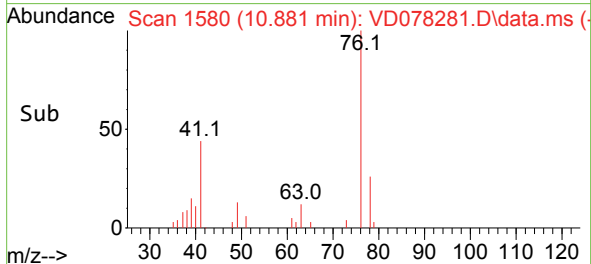
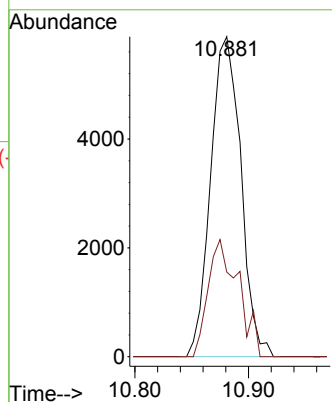
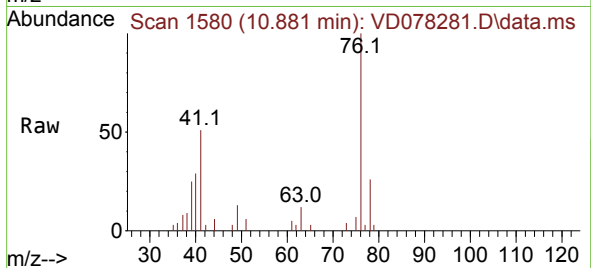
LOQ-SOIL-02-QT1-2024

Tgt Ion: 76 Resp: 10848

Ion Ratio Lower Upper

76 100

78 36.7 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 23.094 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD078281.D

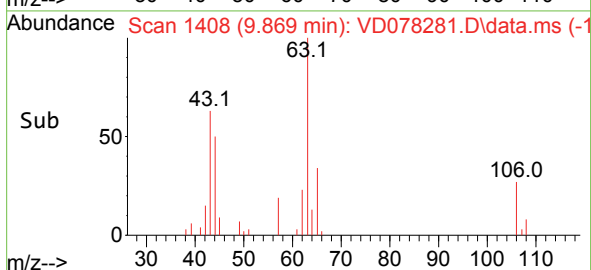
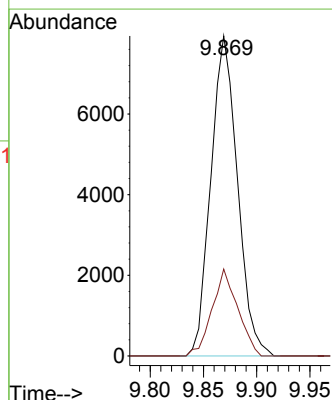
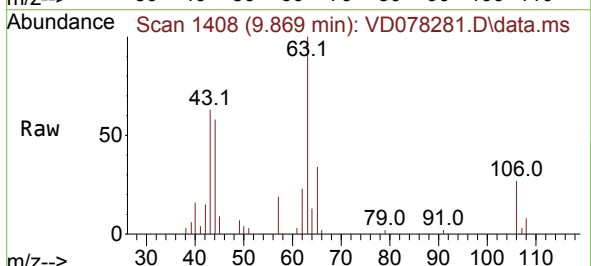
Acq: 30 Jan 2024 16:21

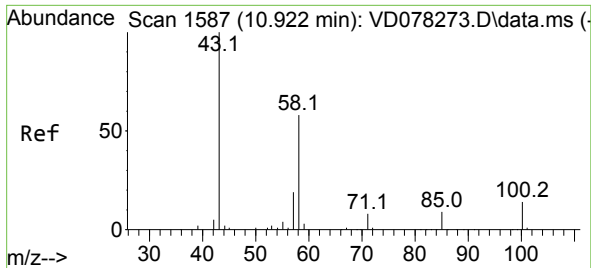
Tgt Ion: 63 Resp: 13797

Ion Ratio Lower Upper

63 100

106 26.2 25.3 37.9

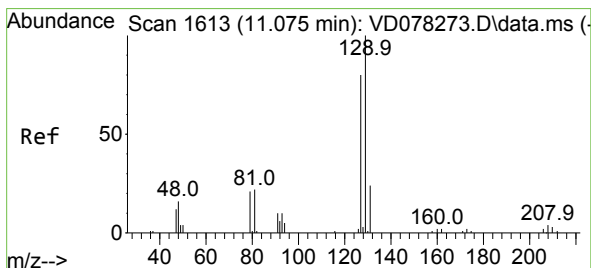
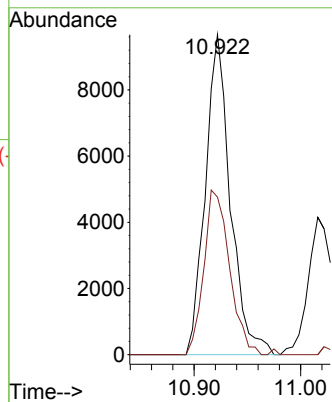
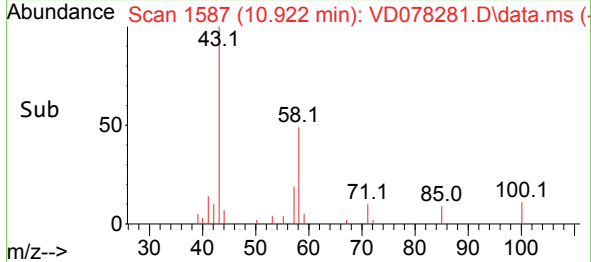
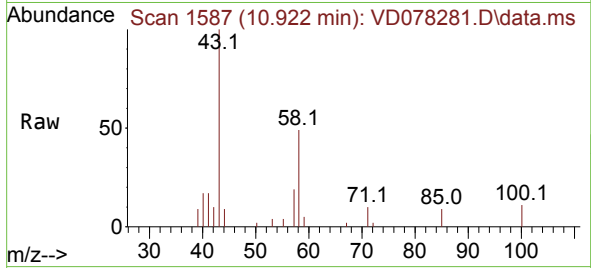




#59
2-Hexanone
Concen: 25.006 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

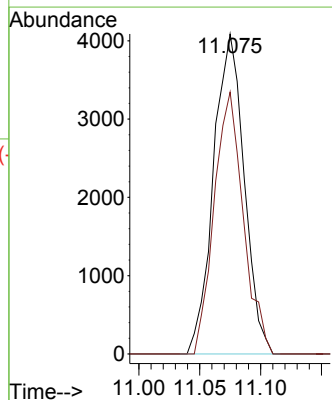
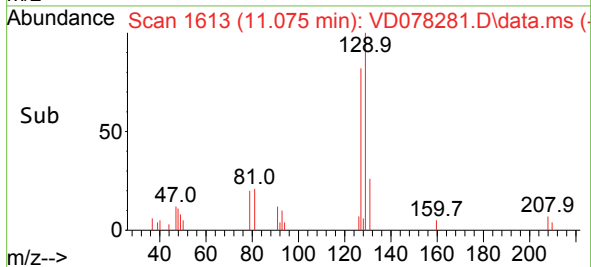
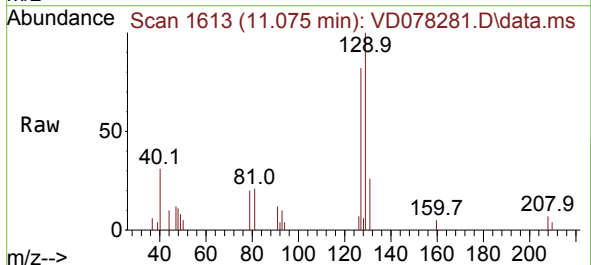
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

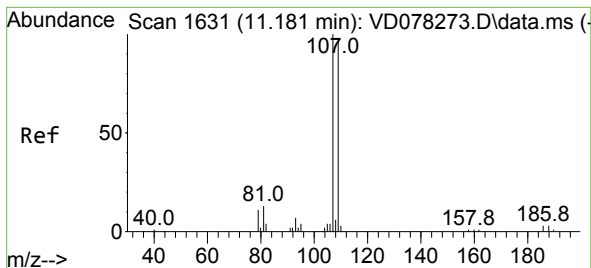
Tgt Ion: 43 Resp: 15764
Ion Ratio Lower Upper
43 100
58 52.9 34.1 102.2



#60
Dibromochloromethane
Concen: 5.322 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 129 Resp: 7155
Ion Ratio Lower Upper
129 100
127 77.9 37.1 111.5

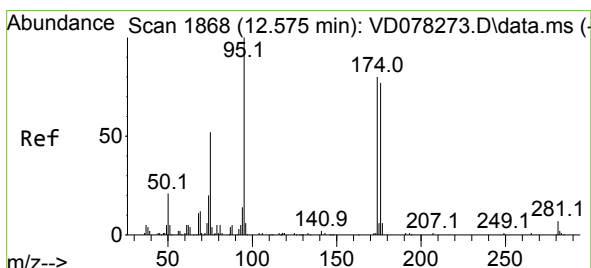
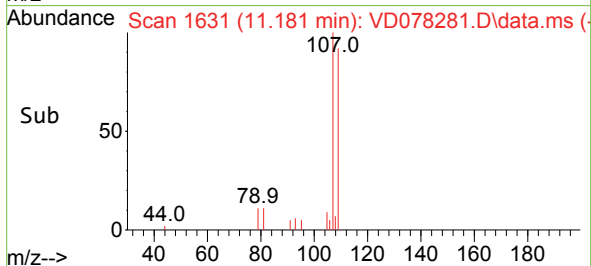
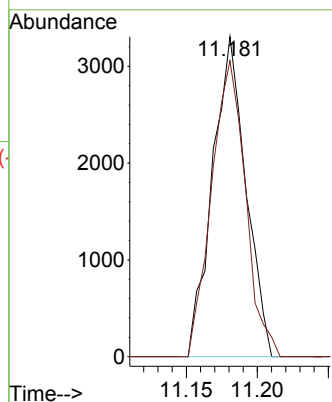
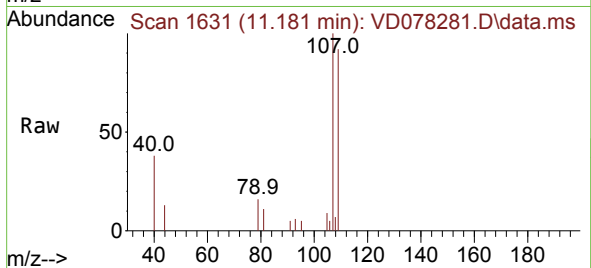




#61
1,2-Dibromoethane
Concen: 4.950 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

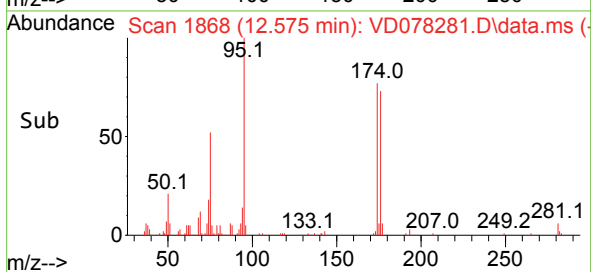
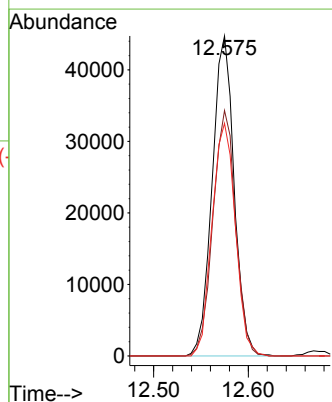
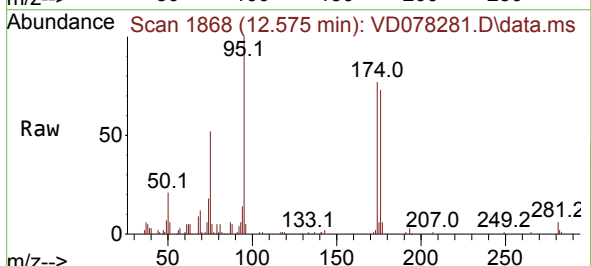
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

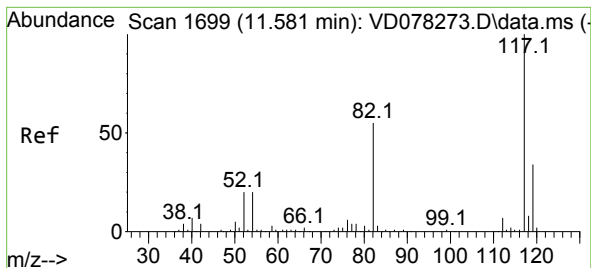
Tgt Ion:107 Resp: 5413
Ion Ratio Lower Upper
107 100
109 94.0 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 46.986 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 95 Resp: 72036
Ion Ratio Lower Upper
95 100
174 79.2 0.0 201.8
176 77.0 0.0 191.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.581 min Scan# 1

Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

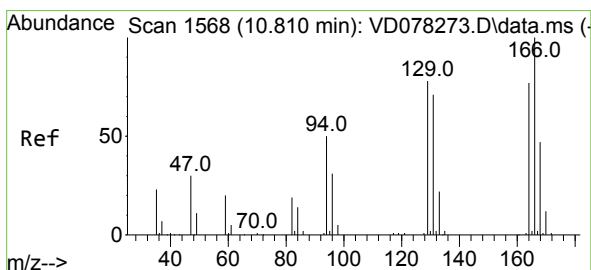
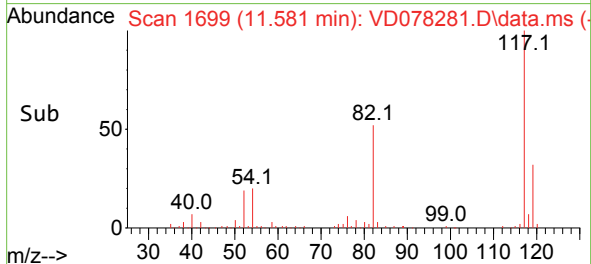
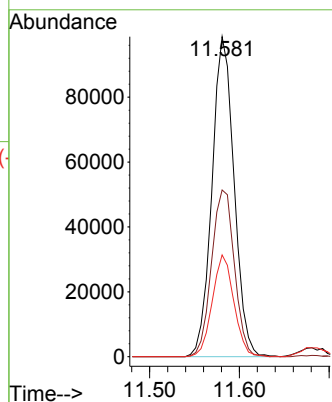
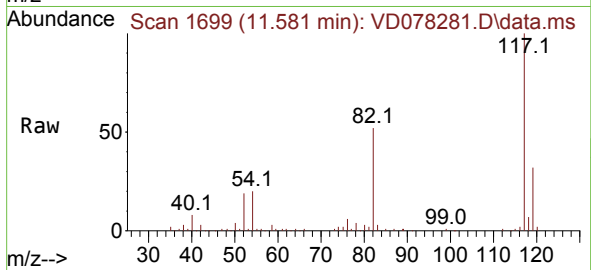
Tgt Ion:117 Resp: 168880

Ion Ratio Lower Upper

117 100

82 52.1 38.3 57.5

119 31.8 25.0 37.4



#64

Tetrachloroethene

Concen: 5.341 ug/l

RT: 10.810 min Scan# 1568

Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Tgt Ion:164 Resp: 6291

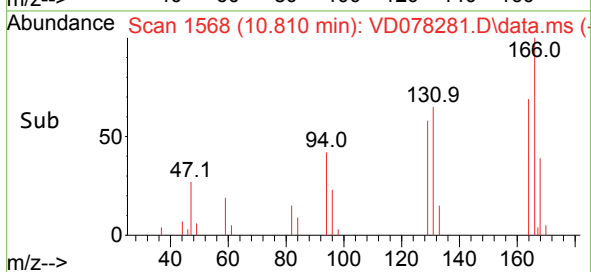
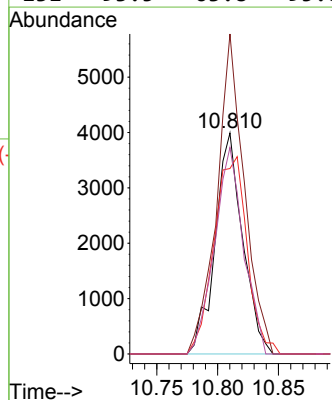
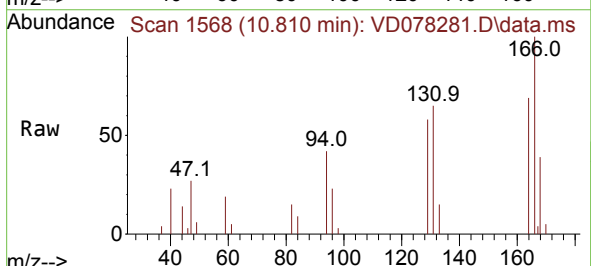
Ion Ratio Lower Upper

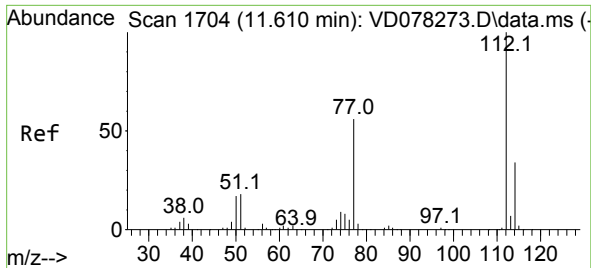
164 100

166 144.8 99.2 148.8

129 83.9 68.4 102.6

131 93.5 63.8 95.8

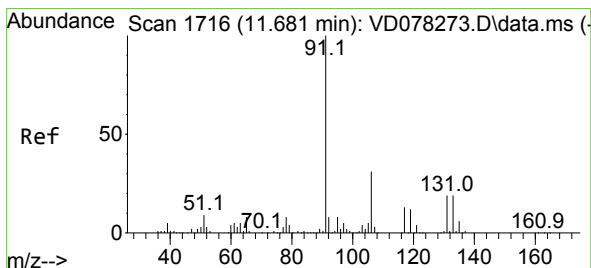
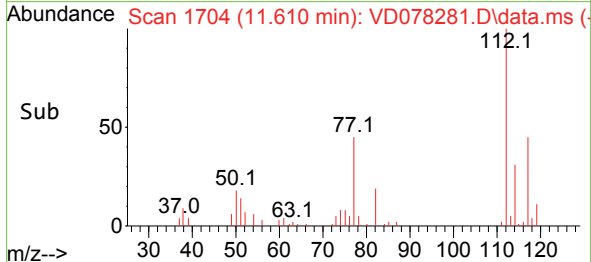
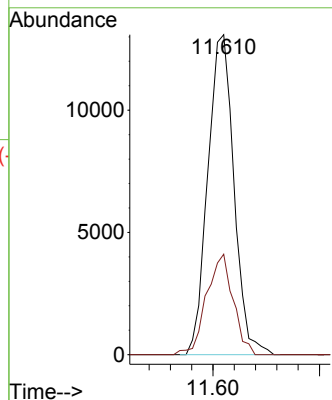
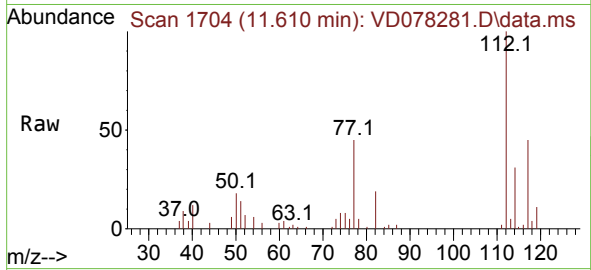




#65
Chlorobenzene
Concen: 5.524 ug/l
RT: 11.610 min Scan# 1704
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

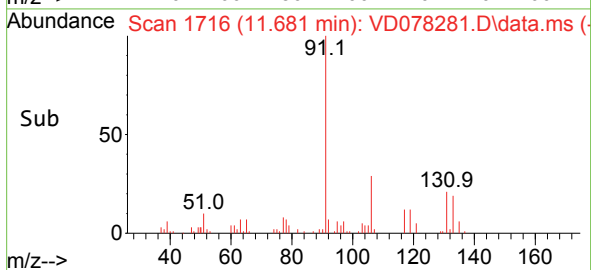
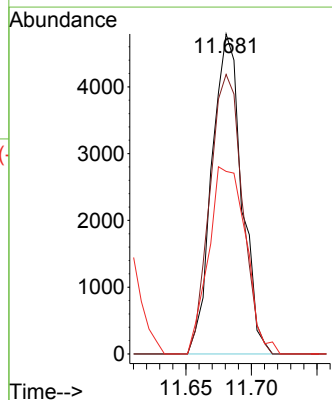
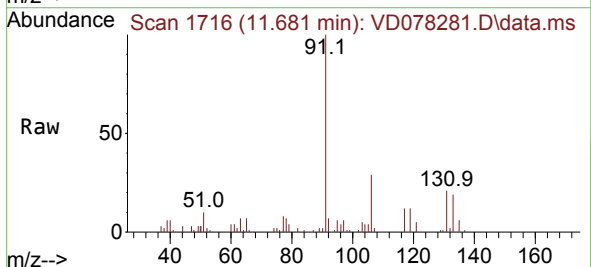
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

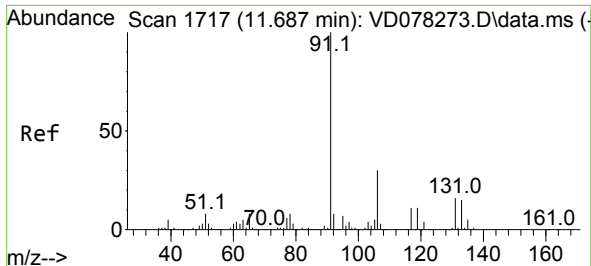
Tgt Ion:112 Resp: 22317
Ion Ratio Lower Upper
112 100
114 31.4 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 5.273 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion:131 Resp: 7585
Ion Ratio Lower Upper
131 100
133 95.0 48.5 145.5
119 73.1 35.6 106.9

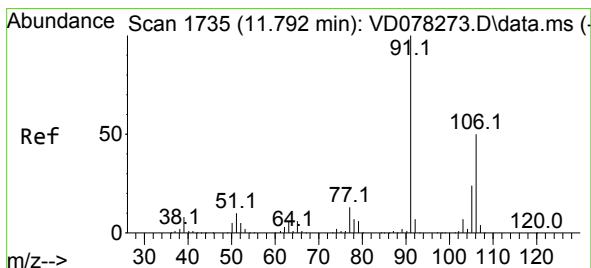
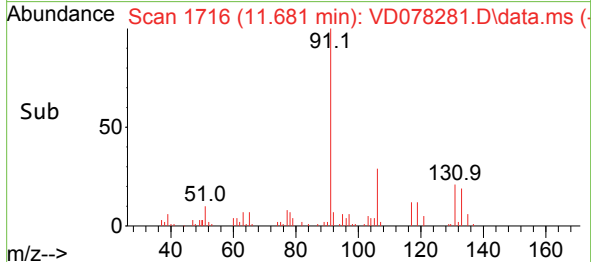
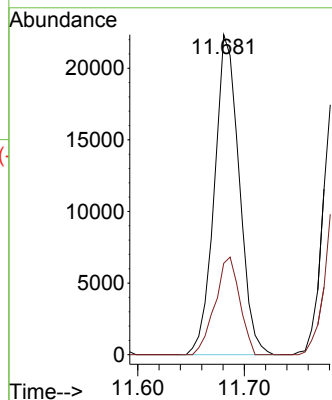
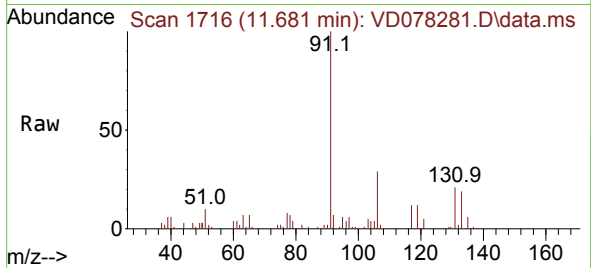




#67
Ethyl Benzene
Concen: 4.926 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

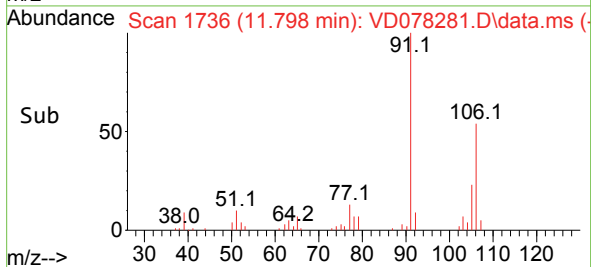
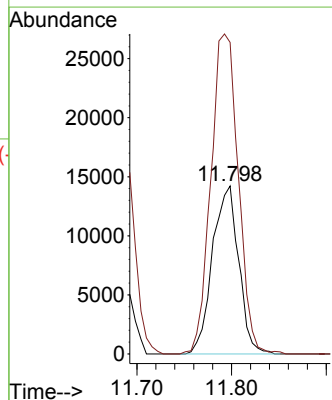
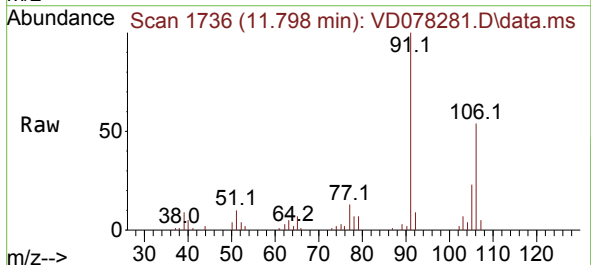
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

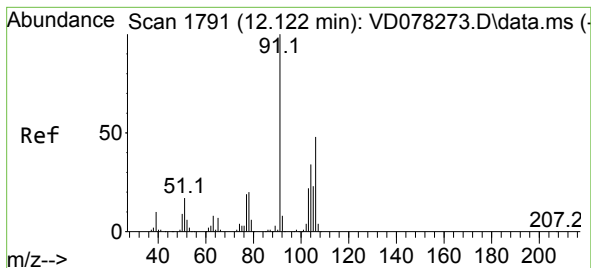
Tgt Ion: 91 Resp: 36052
Ion Ratio Lower Upper
91 100
106 28.6 26.5 39.7



#68
m/p-Xylenes
Concen: 9.705 ug/l
RT: 11.798 min Scan# 1736
Delta R.T. 0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion:106 Resp: 27327
Ion Ratio Lower Upper
106 100
91 199.6 147.0 220.6

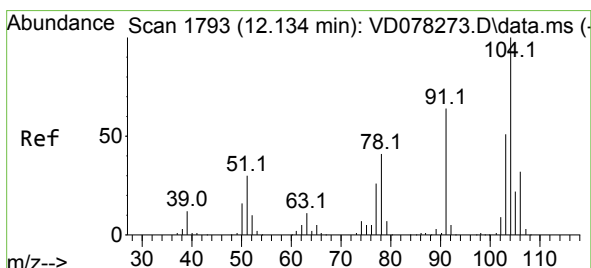
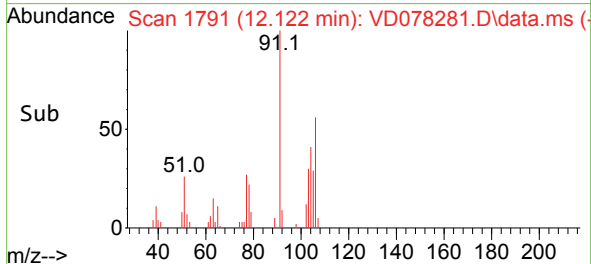
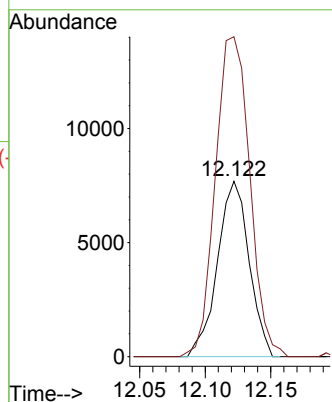
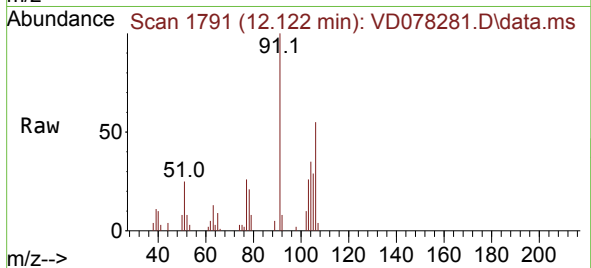




#69
o-Xylene
Concen: 4.989 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

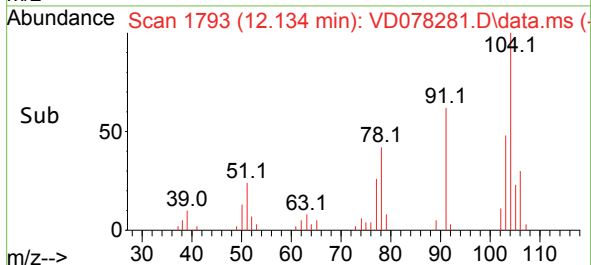
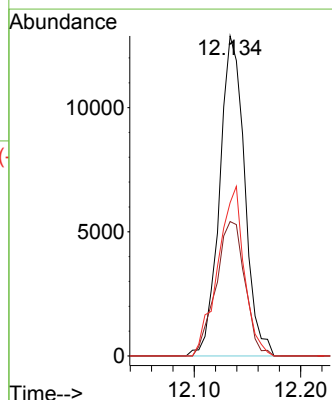
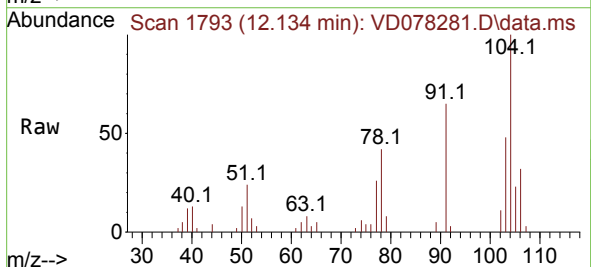
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

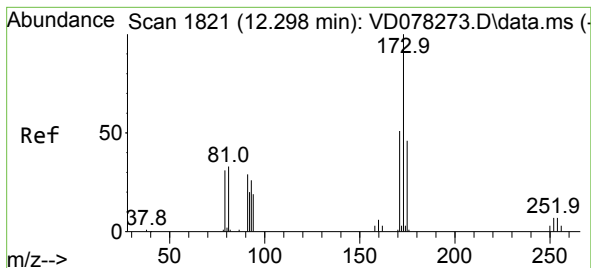
Tgt Ion:106 Resp: 12910
Ion Ratio Lower Upper
106 100
91 197.9 97.9 293.6



#70
Styrene
Concen: 4.759 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion:104 Resp: 21030
Ion Ratio Lower Upper
104 100
78 48.6 33.2 49.8
103 55.6 43.6 65.4





#71

Bromoform

Concen: 5.045 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD078281.D

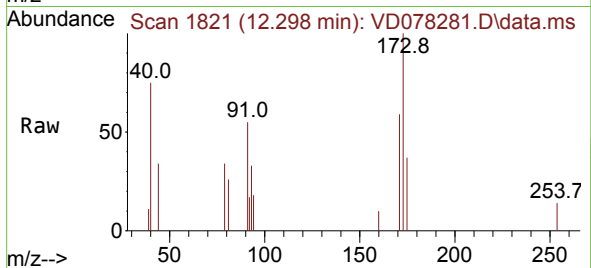
Acq: 30 Jan 2024 16:21

Instrument :

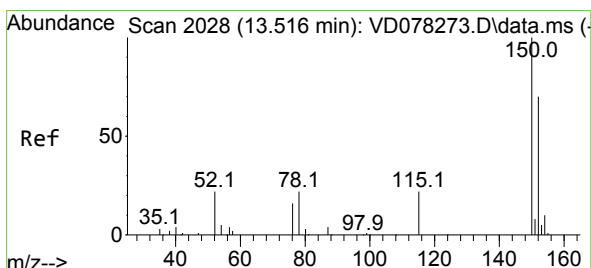
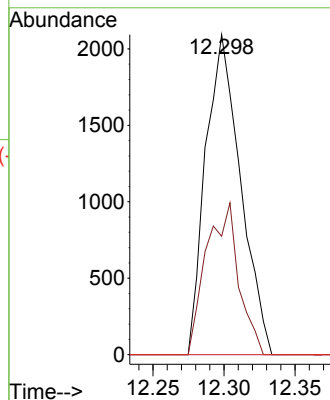
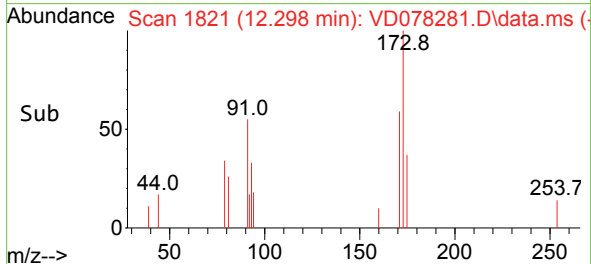
MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024



Tgt Ion:	173	Resp:	3574
Ion Ratio	Lower	Upper	
173	100		
175	44.0	24.6	73.8
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

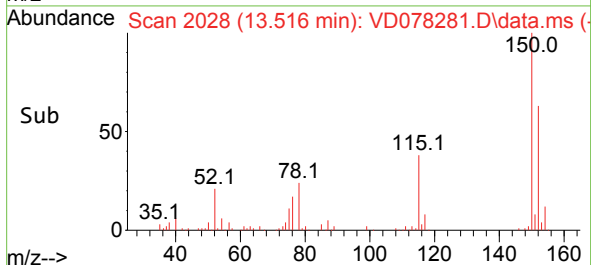
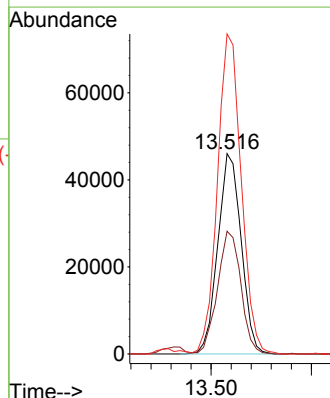
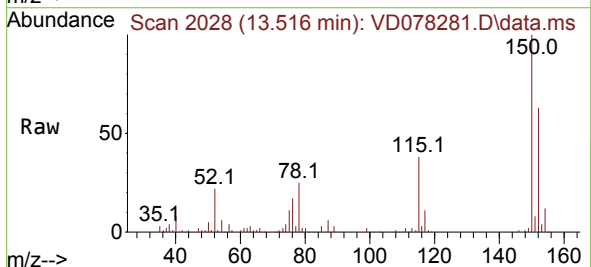
RT: 13.516 min Scan# 2028

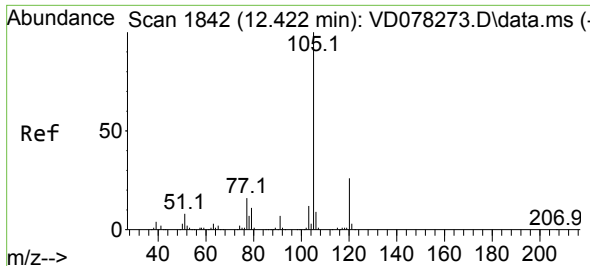
Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Tgt Ion:	152	Resp:	74456
Ion Ratio	Lower	Upper	
152	100		
115	61.2	27.1	81.3
150	162.6	0.0	353.6

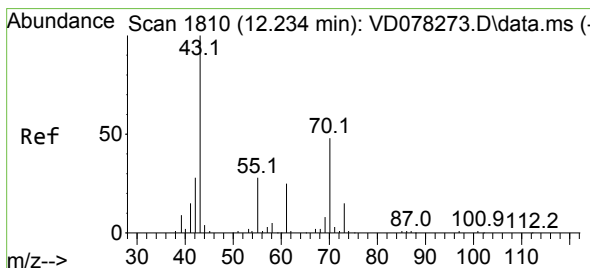
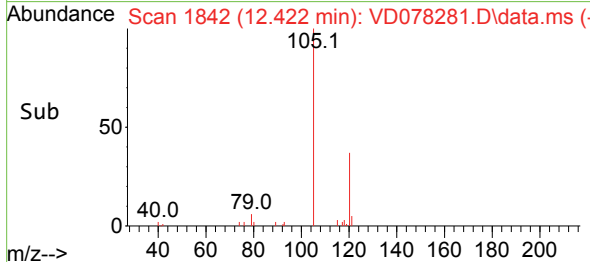
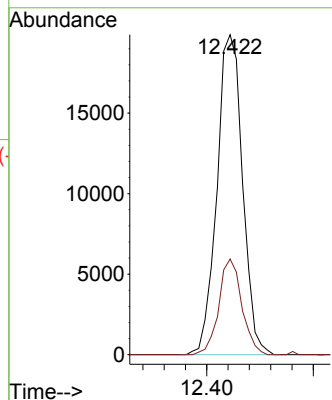
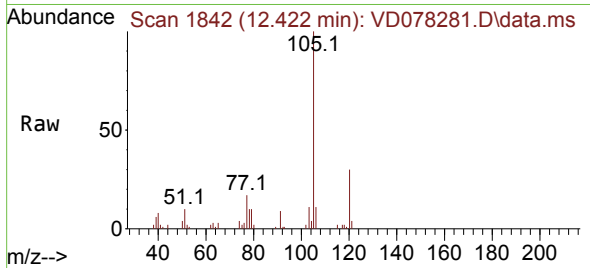




#73
Isopropylbenzene
Concen: 5.255 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

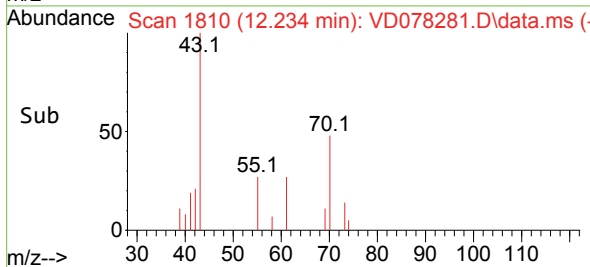
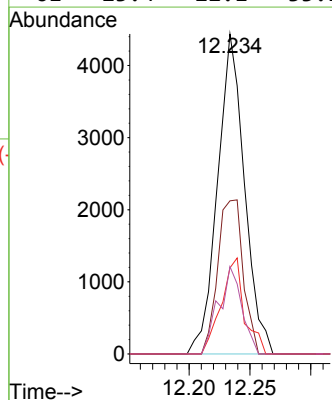
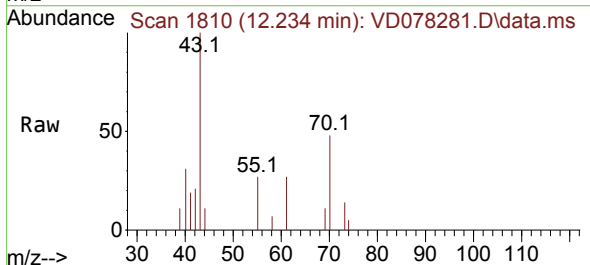
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT1-2024

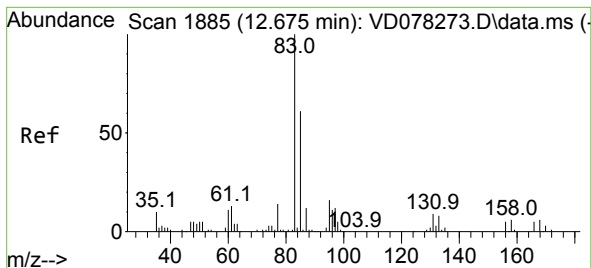
Tgt Ion:105 Resp: 33103
Ion Ratio Lower Upper
105 100
120 26.9 14.3 42.9



#74
N-ethyl acetate
Concen: 5.235 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 43 Resp: 6820
Ion Ratio Lower Upper
43 100
70 45.6 45.0 67.4
55 25.8 23.8 35.6
61 23.4 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 5.575 ug/l

RT: 12.669 min Scan# 1884

Delta R.T. -0.006 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

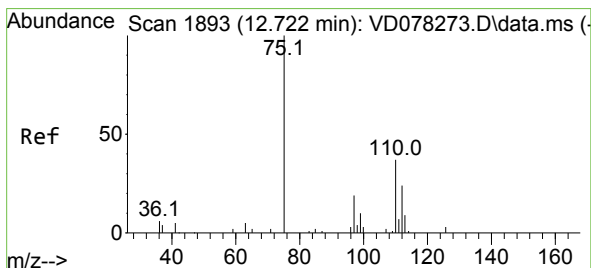
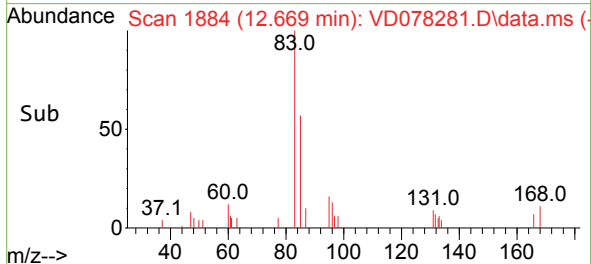
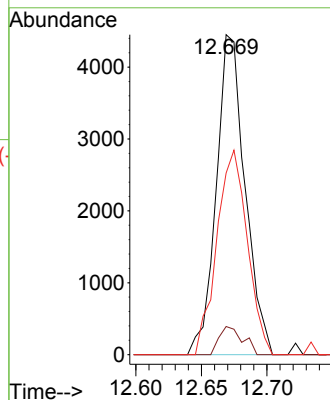
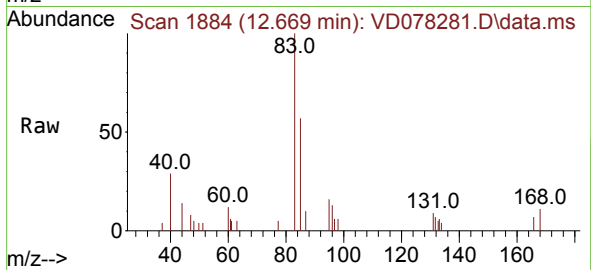
Tgt Ion: 83 Resp: 6782

Ion Ratio Lower Upper

83 100

131 7.2 5.1 15.3

85 67.8 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 10.723 ug/l

RT: 12.728 min Scan# 1894

Delta R.T. 0.006 min

Lab File: VD078281.D

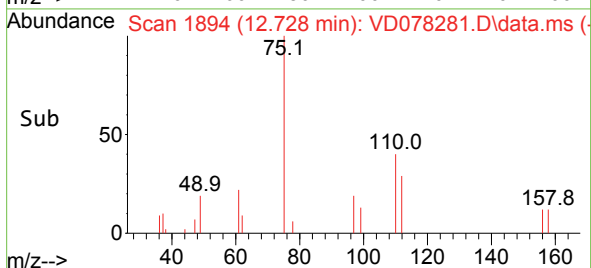
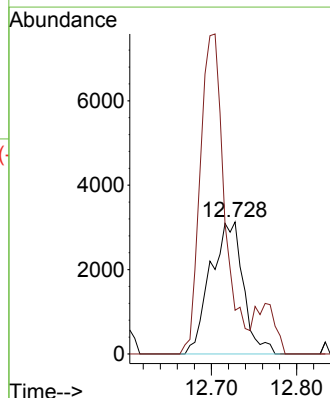
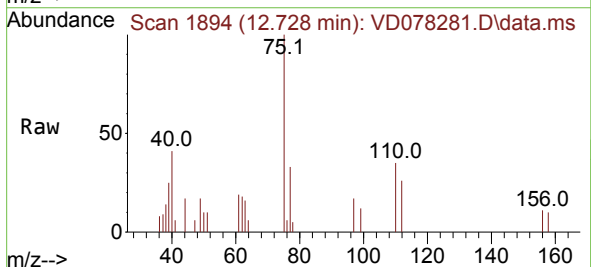
Acq: 30 Jan 2024 16:21

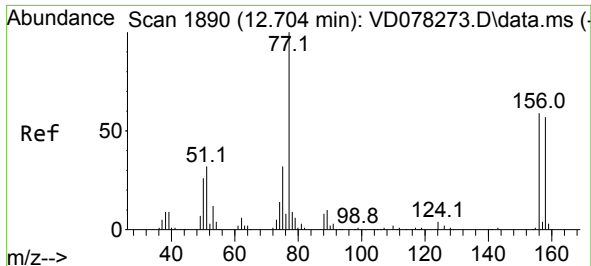
Tgt Ion: 75 Resp: 8345

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

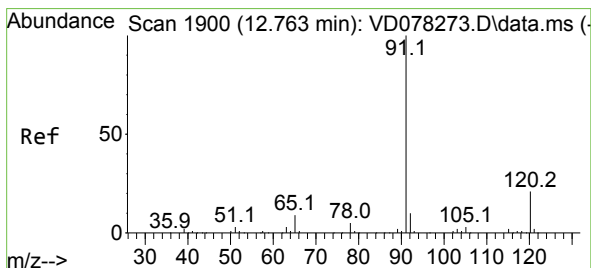
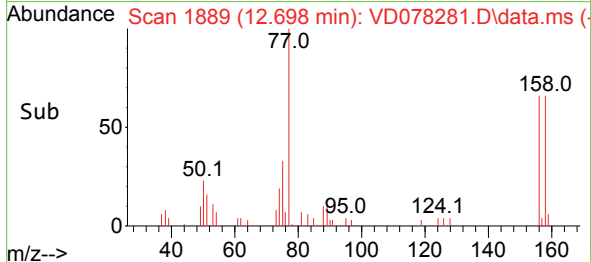
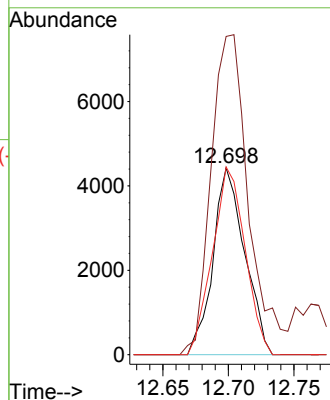
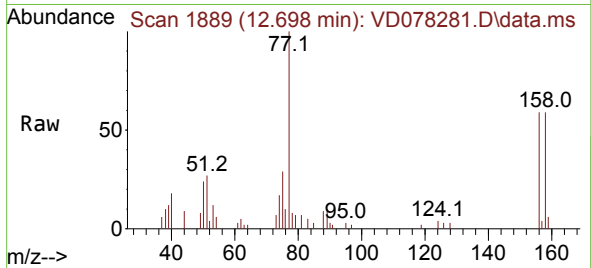




#77
Bromobenzene
Concen: 5.372 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. -0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

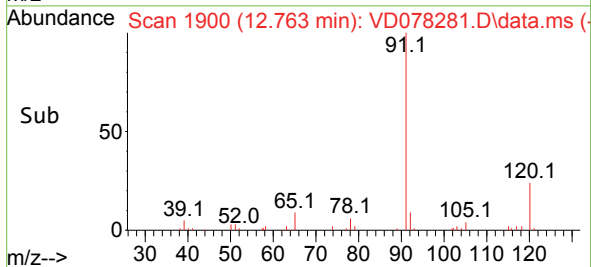
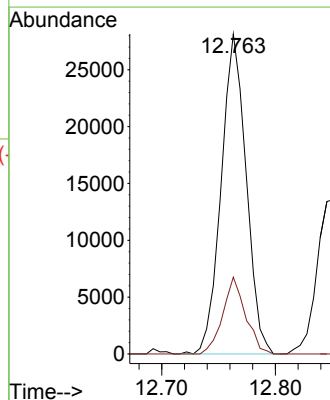
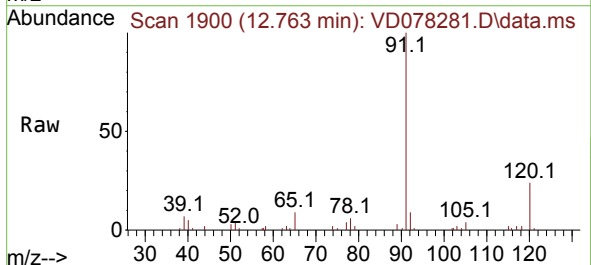
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

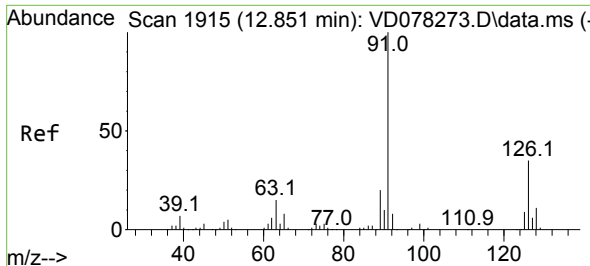
Tgt Ion:156 Resp: 7447
Ion Ratio Lower Upper
156 100
77 202.7 76.8 230.4
158 103.2 48.6 145.9



#78
n-propylbenzene
Concen: 5.476 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 91 Resp: 42972
Ion Ratio Lower Upper
91 100
120 21.9 12.4 37.2

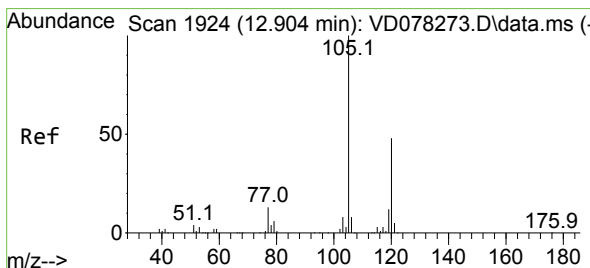
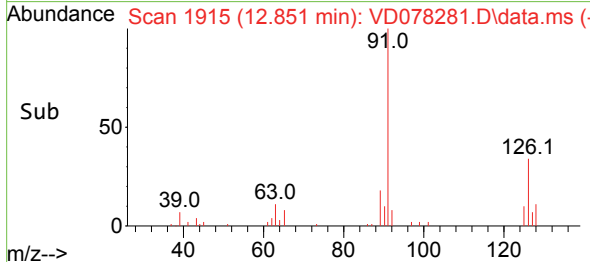
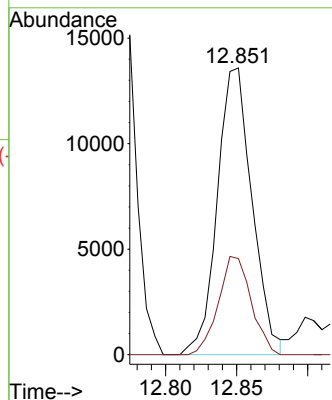
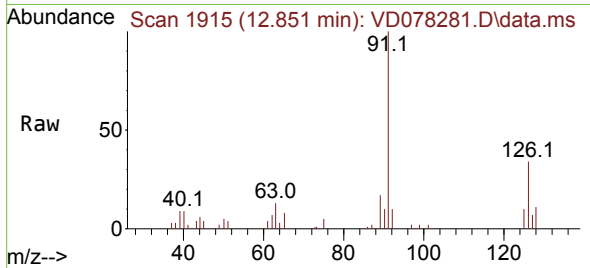




#79
2-Chlorotoluene
Concen: 5.513 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

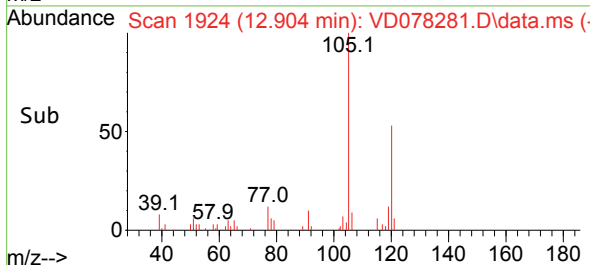
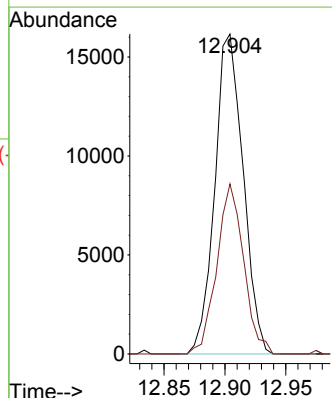
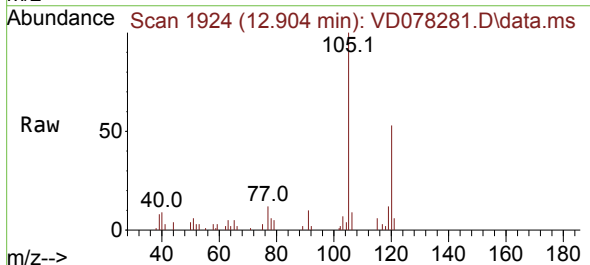
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

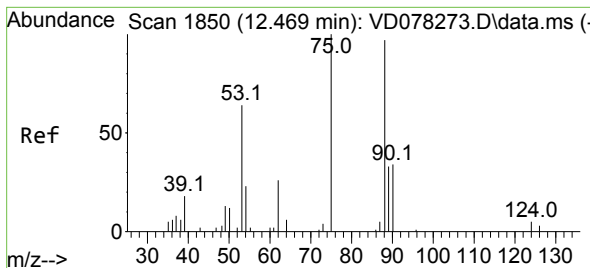
Tgt Ion: 91 Resp: 23157
Ion Ratio Lower Upper
91 100
126 32.3 19.4 58.1



#80
1,3,5-Trimethylbenzene
Concen: 5.104 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 105 Resp: 26159
Ion Ratio Lower Upper
105 100
120 50.4 26.4 79.2

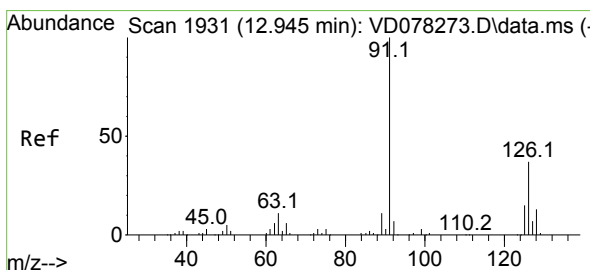
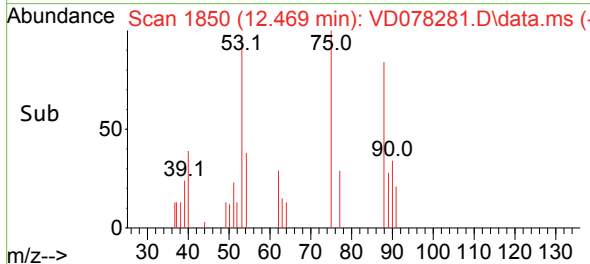
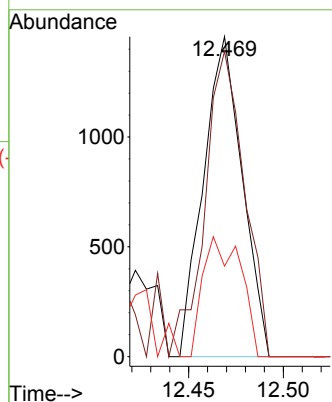
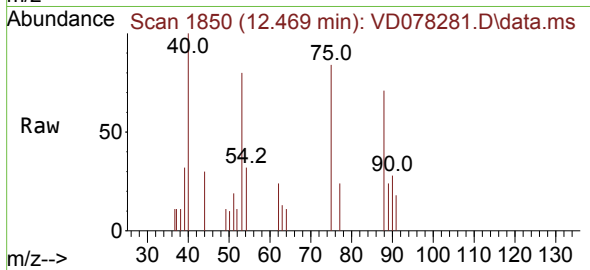




#81
trans-1,4-Dichloro-2-butene
Concen: 5.313 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

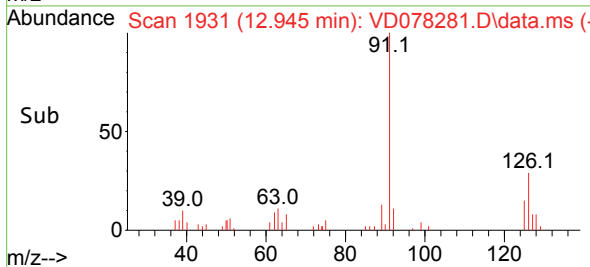
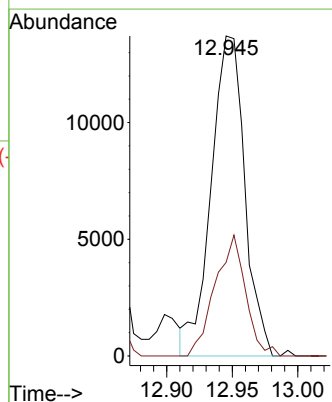
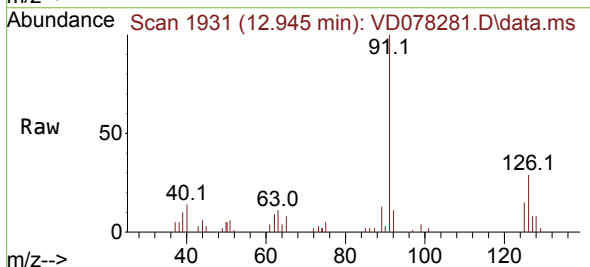
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

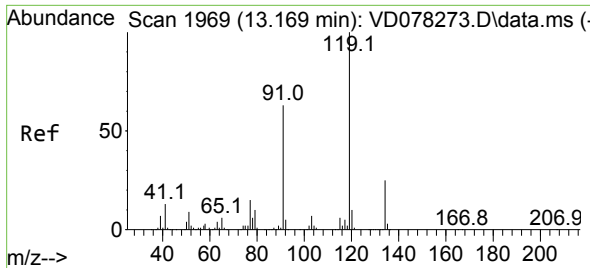
Tgt Ion: 75 Resp: 2079
Ion Ratio Lower Upper
75 100
53 97.4 63.0 94.4#
89 36.4 37.9 56.9#



#82
4-Chlorotoluene
Concen: 5.449 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion: 91 Resp: 24401
Ion Ratio Lower Upper
91 100
126 34.4 19.4 58.4

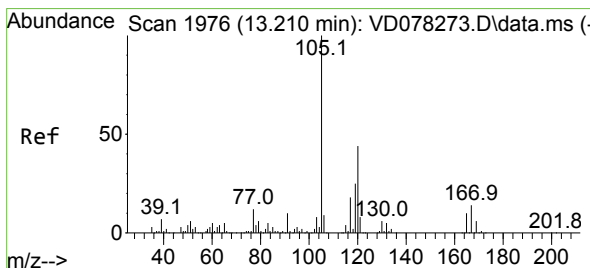
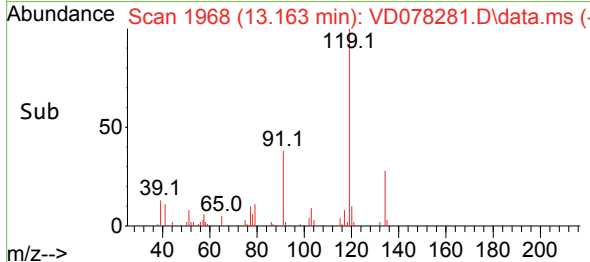
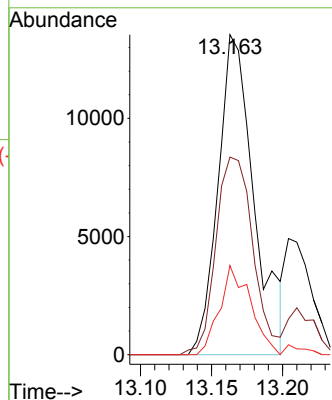
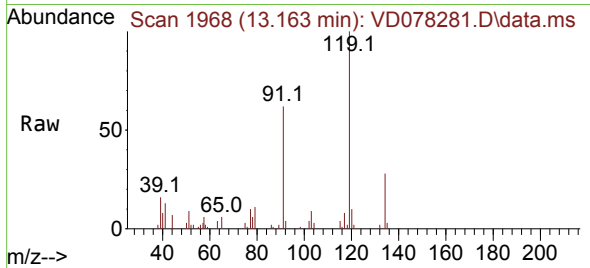




#83
tert-Butylbenzene
Concen: 5.477 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

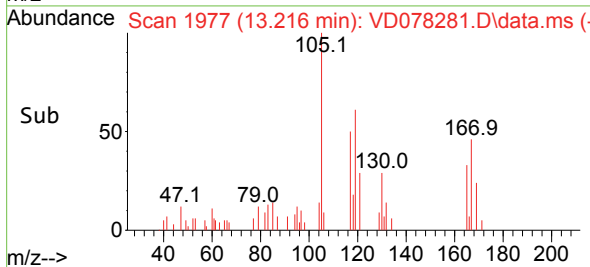
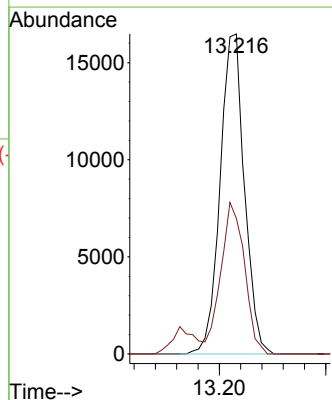
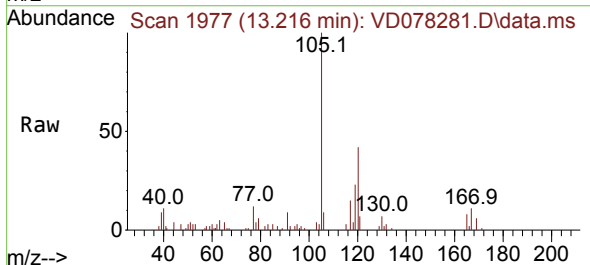
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT1-2024

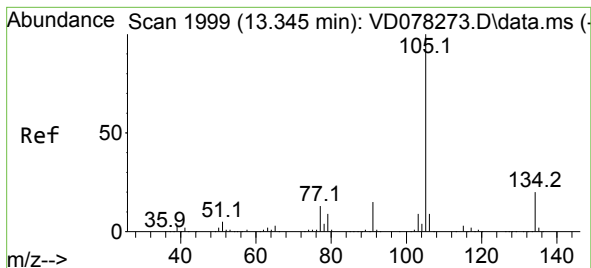
Tgt Ion:119	Resp:	23949
Ion Ratio	Lower	Upper
119	100	
91	63.5	29.3 87.8
134	23.9	14.1 42.3



#84
1,2,4-Trimethylbenzene
Concen: 5.024 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion:105	Resp:	26050
Ion Ratio	Lower	Upper
105	100	
120	46.1	24.3 72.9





#85

sec-Butylbenzene

Concen: 4.907 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

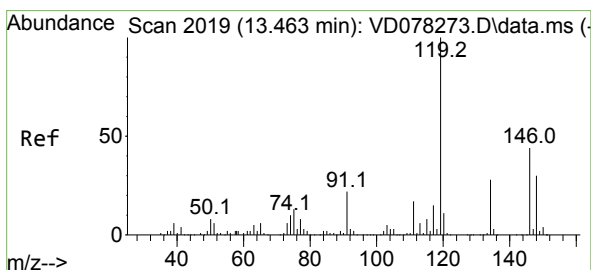
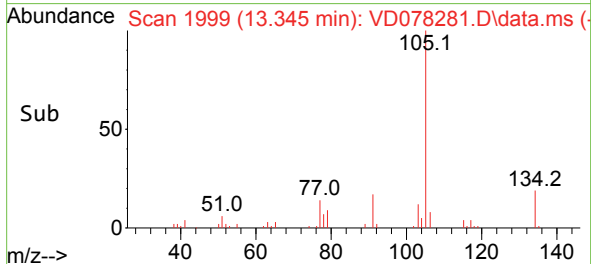
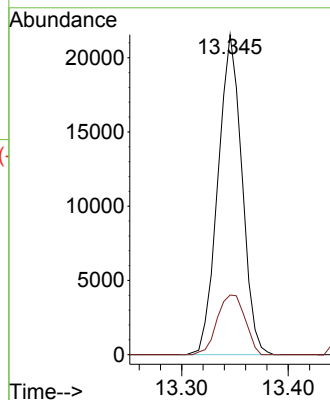
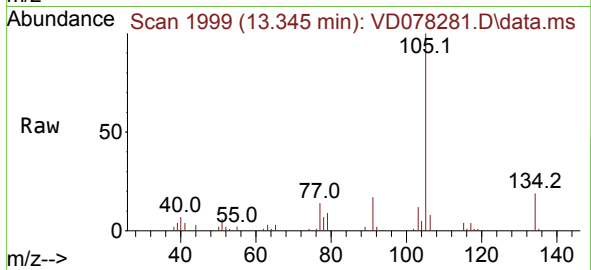
LOQ-SOIL-02-QT1-2024

Tgt Ion:105 Resp: 33678

Ion Ratio Lower Upper

105 100

134 21.7 10.9 32.9



#86

p-Isopropyltoluene

Concen: 4.950 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

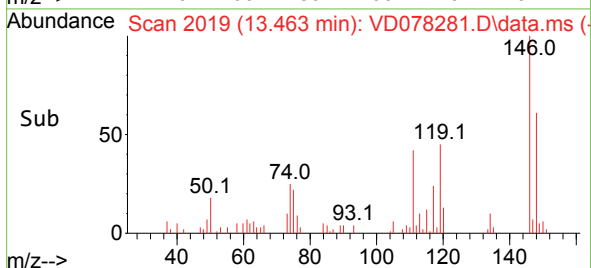
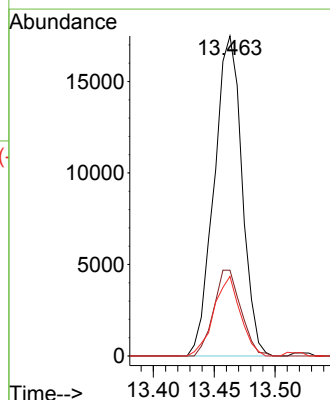
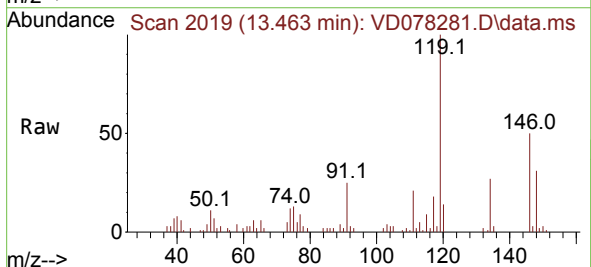
Tgt Ion:119 Resp: 27828

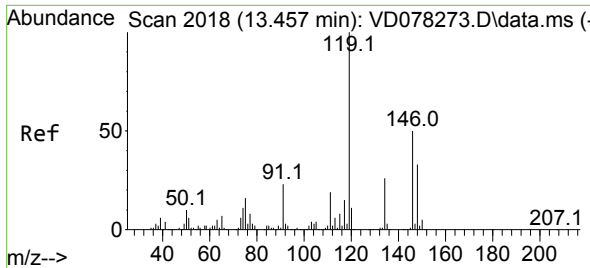
Ion Ratio Lower Upper

119 100

134 26.2 14.2 42.6

91 23.7 10.5 31.5

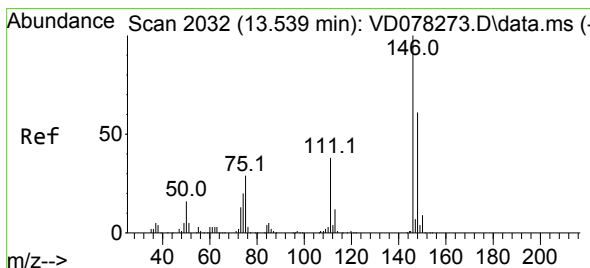
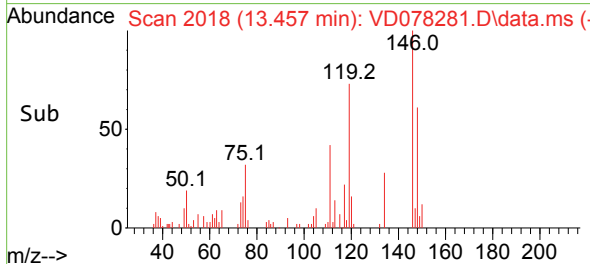
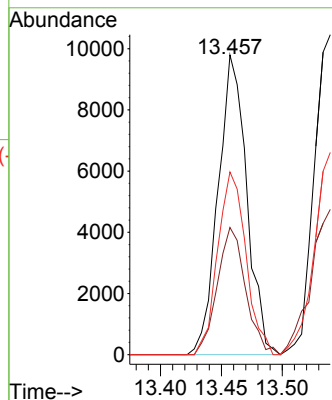
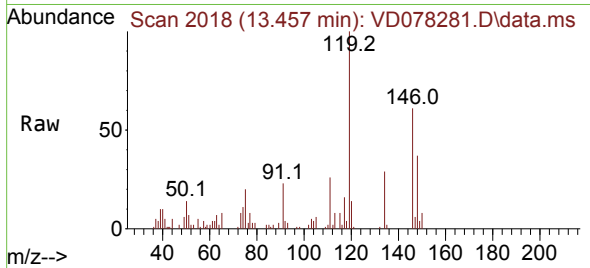




#87
1,3-Dichlorobenzene
Concen: 5.552 ug/l
RT: 13.457 min Scan# 2018
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

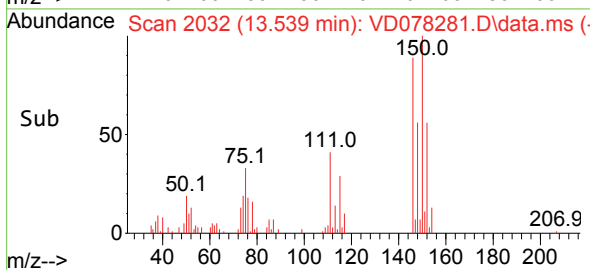
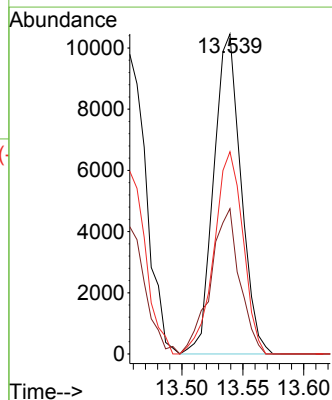
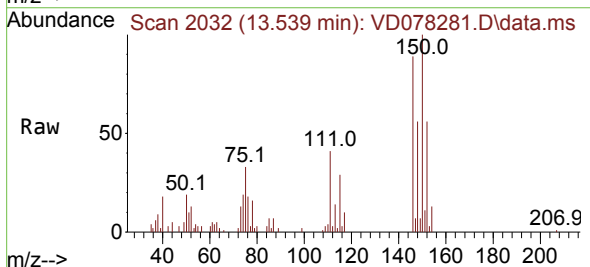
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

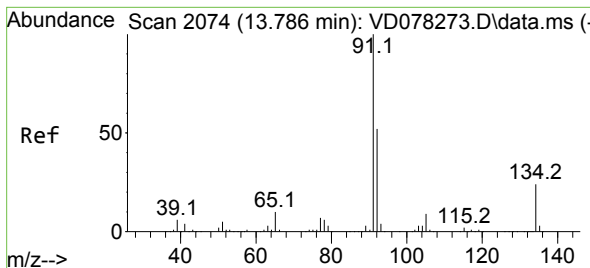
Tgt Ion:146	Resp:	15989
Ion Ratio	Lower	Upper
146	100	
111	42.2	17.9 53.8
148	60.3	32.3 96.8



#88
1,4-Dichlorobenzene
Concen: 5.704 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion:146	Resp:	16253
Ion Ratio	Lower	Upper
146	100	
111	48.9	17.4 52.3
148	67.3	31.7 95.1





#89

n-Butylbenzene

Concen: 5.158 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

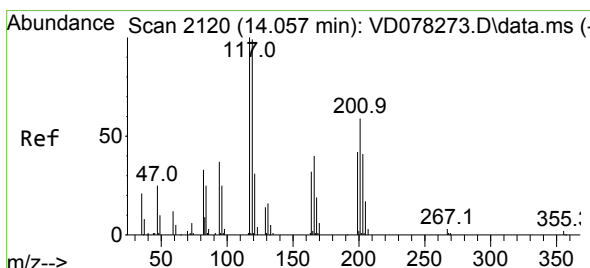
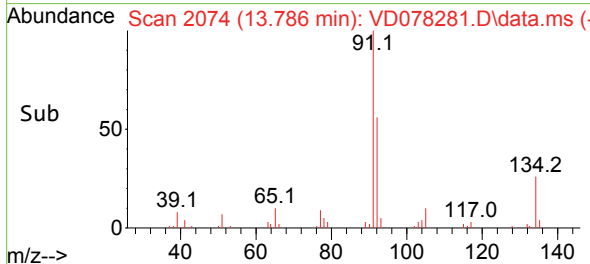
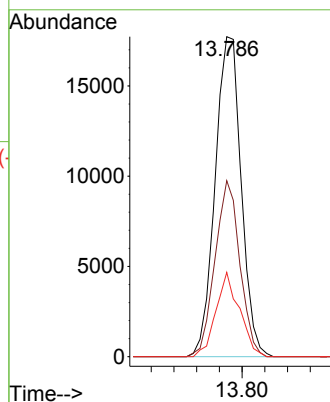
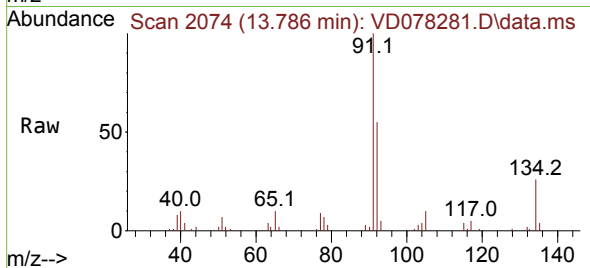
Tgt Ion: 91 Resp: 28253

Ion Ratio Lower Upper

91 100

92 52.4 26.5 79.5

134 23.8 13.8 41.3



#90

Hexachloroethane

Concen: 6.165 ug/l

RT: 14.051 min Scan# 2119

Delta R.T. -0.006 min

Lab File: VD078281.D

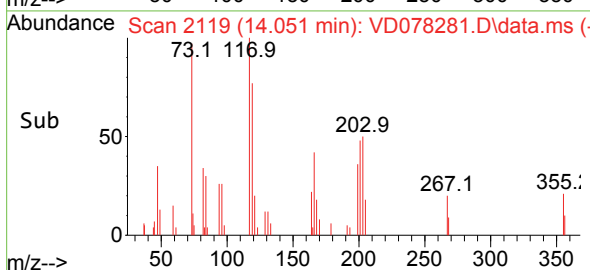
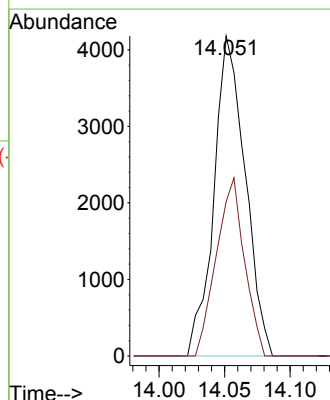
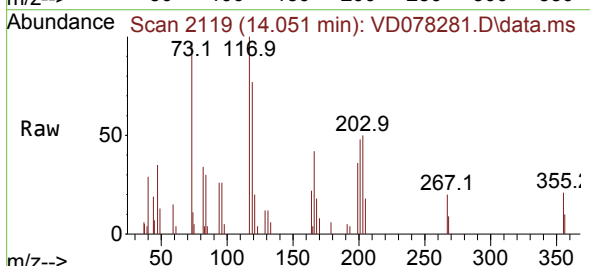
Acq: 30 Jan 2024 16:21

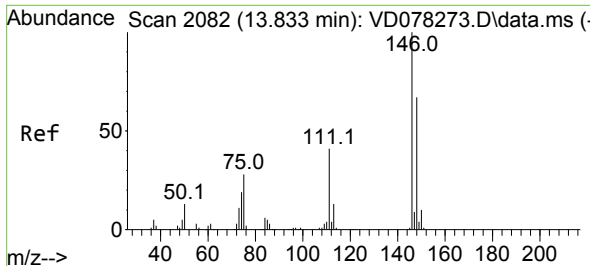
Tgt Ion: 117 Resp: 6922

Ion Ratio Lower Upper

117 100

201 50.1 38.5 115.5





#91

1,2-Dichlorobenzene

Concen: 5.537 ug/l

RT: 13.828 min Scan# 2081

Delta R.T. -0.006 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

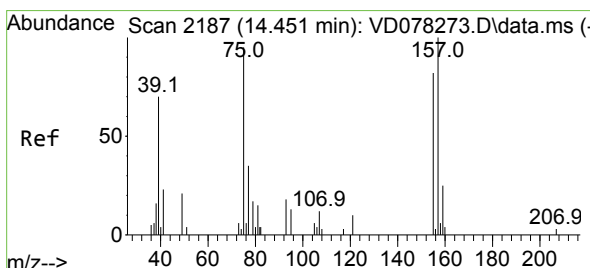
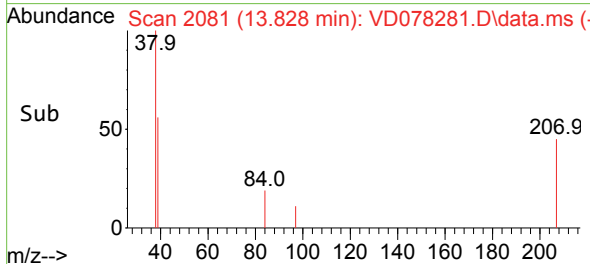
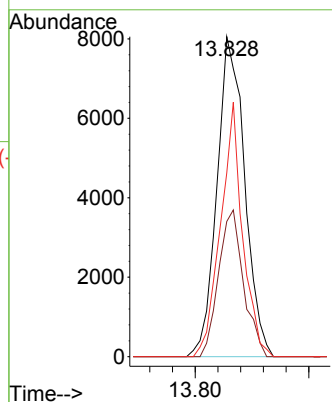
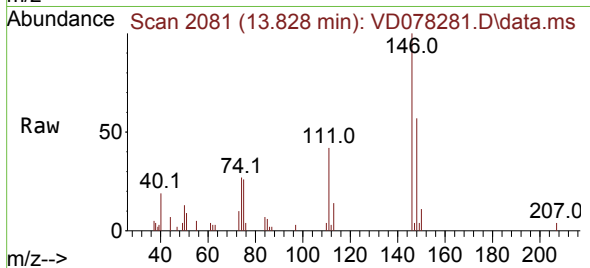
Tgt Ion:146 Resp: 13642

Ion Ratio Lower Upper

146 100

111 41.2 18.3 54.8

148 63.2 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 6.978 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. -0.006 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

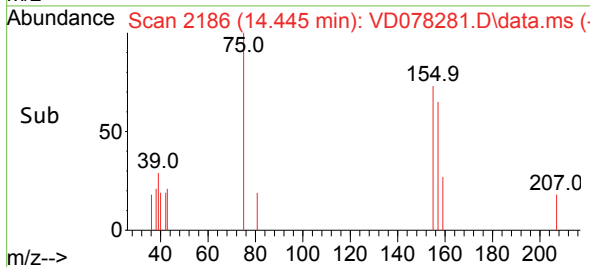
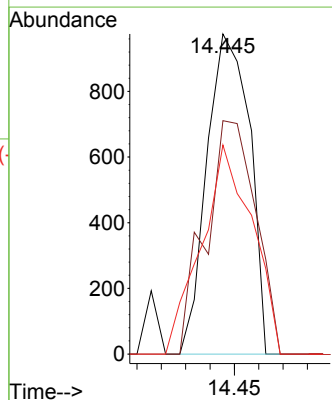
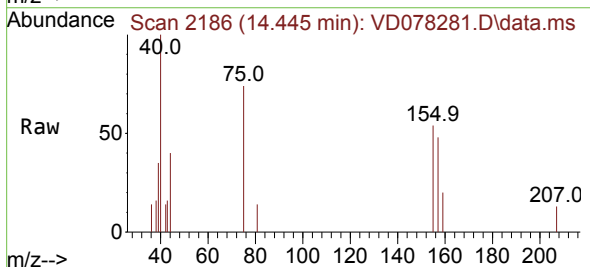
Tgt Ion: 75 Resp: 1190

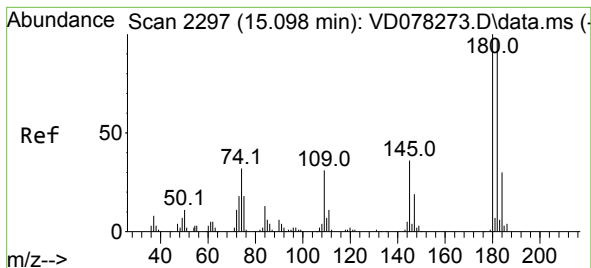
Ion Ratio Lower Upper

75 100

155 85.2 47.9 143.8

157 77.7 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 5.839 ug/l

RT: 15.104 min Scan# 2297

Delta R.T. 0.006 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT1-2024

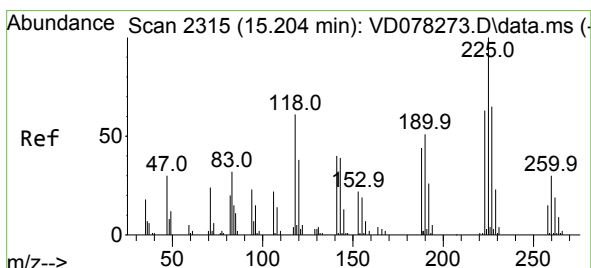
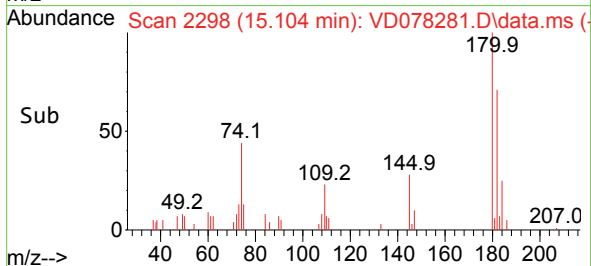
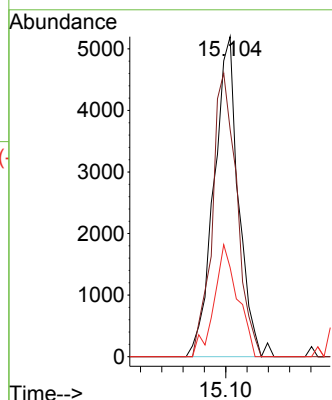
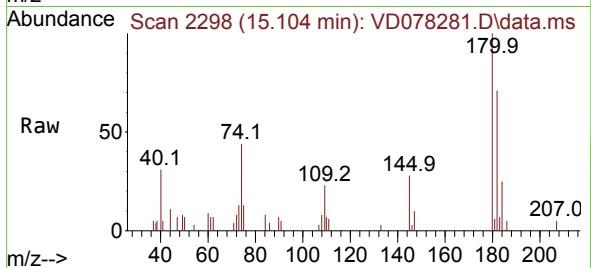
Tgt Ion:180 Resp: 8321

Ion Ratio Lower Upper

180 100

182 88.5 48.5 145.6

145 33.4 14.2 42.6



#94

Hexachlorobutadiene

Concen: 6.604 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD078281.D

Acq: 30 Jan 2024 16:21

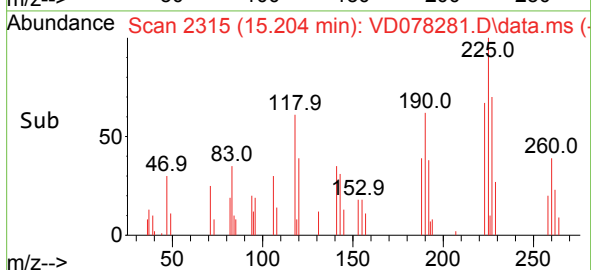
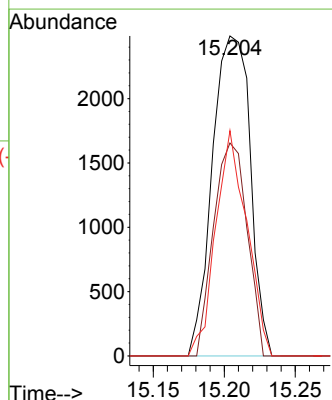
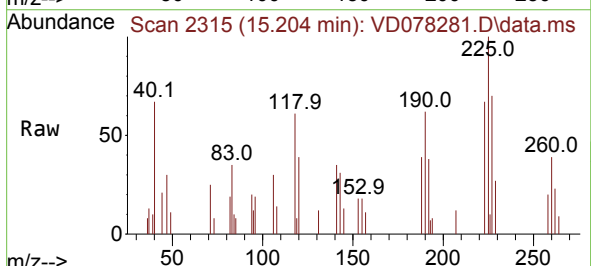
Tgt Ion:225 Resp: 4612

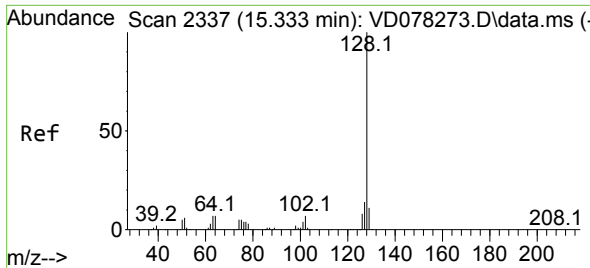
Ion Ratio Lower Upper

225 100

223 58.9 31.6 94.8

227 57.9 31.7 95.1

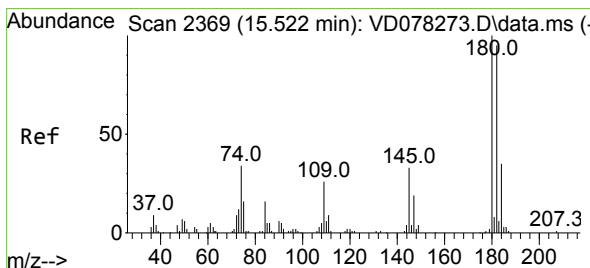
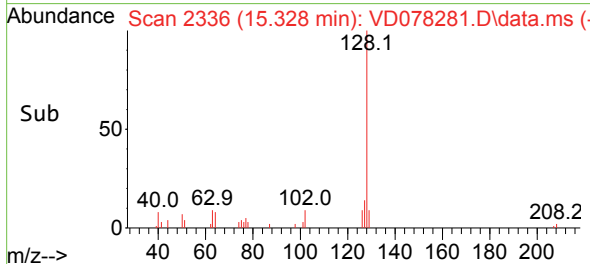
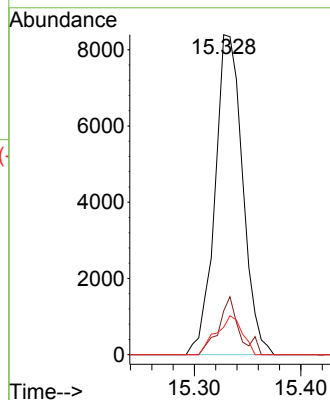
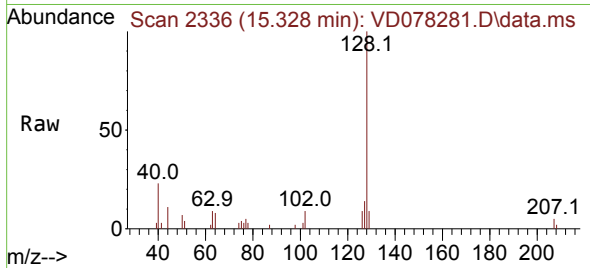




#95
Naphthalene
Concen: 5.317 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT1-2024

Tgt Ion:128 Resp: 15108
Ion Ratio Lower Upper
128 100
127 13.7 10.5 15.7
129 8.6 8.7 13.1#



#96
1,2,3-Trichlorobenzene
Concen: 5.137 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. 0.000 min
Lab File: VD078281.D
Acq: 30 Jan 2024 16:21

Tgt Ion:180 Resp: 6446
Ion Ratio Lower Upper
180 100
182 103.3 47.3 141.9
145 36.0 15.1 45.3

