

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071823\
 Data File : VD076772.D
 Acq On : 18 Jul 2023 12:27
 Operator : KP/SY
 Sample : 03572-02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

Quant Time: Jul 19 08:17:17 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 19 08:14:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	165956	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.775	114	303571	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	274291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	126072	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	78873	47.716	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.440%
35) Dibromofluoromethane	7.804	113	95479	50.050	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.100%
50) Toluene-d8	10.269	98	313521	45.941	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.880%
62) 4-Bromofluorobenzene	12.575	95	100983	45.741	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	91.480%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.928	85	8387	6.463	ug/l	97
3) Chloromethane	2.146	50	11945	5.336	ug/l	# 87
4) Vinyl Chloride	2.275	62	17641	5.911	ug/l	96
5) Bromomethane	2.687	94	14690	5.983	ug/l	95
6) Chloroethane	2.834	64	12693	5.634	ug/l	94
7) Trichlorofluoromethane	3.169	101	15717	5.919	ug/l	88
8) Diethyl Ether	3.593	74	4483	4.904	ug/l	85
9) 1,1,2-Trichlorotrifluo...	3.963	101	10950	6.273	ug/l	# 85
10) Methyl Iodide	4.158	142	9185	4.668	ug/l	# 81
11) Tert butyl alcohol	5.058	59	4528	36.709	ug/l	# 78
12) 1,1-Dichloroethene	3.934	96	8826	5.382	ug/l	# 84
13) Acrolein	3.793	56	2752	32.740	ug/l	# 42
14) Allyl chloride	4.552	41	11148	5.175	ug/l	# 73
15) Acrylonitrile	5.252	53	11468	25.540	ug/l	# 91
16) Acetone	4.022	43	11324	28.685	ug/l	# 77
17) Carbon Disulfide	4.269	76	20692	5.402	ug/l	100
18) Methyl Acetate	4.552	43	8093	5.457	ug/l	95
19) Methyl tert-butyl Ether	5.322	73	22572	5.133	ug/l	99
20) Methylene Chloride	4.799	84	40329	12.352	ug/l	90
21) trans-1,2-Dichloroethene	5.299	96	9742	5.111	ug/l	# 80
22) Diisopropyl ether	6.216	45	26185	5.133	ug/l	# 91
23) Vinyl Acetate	6.152	43	48830	19.346	ug/l	# 90
24) 1,1-Dichloroethane	6.110	63	19048	5.538	ug/l	94
25) 2-Butanone	7.081	43	15177	28.726	ug/l	97
26) 2,2-Dichloropropane	7.069	77	18761	6.328	ug/l	92
27) cis-1,2-Dichloroethene	7.069	96	12591	5.358	ug/l	83
28) Bromochloromethane	7.422	49	4921	5.723	ug/l	# 92
29) Tetrahydrofuran	7.446	42	8406	26.929	ug/l	90
30) Chloroform	7.593	83	21344	5.666	ug/l	97
31) Cyclohexane	7.875	56	16026	6.588	ug/l	# 84
32) 1,1,1-Trichloroethane	7.787	97	17450	5.741	ug/l	93
36) 1,1-Dichloropropene	8.010	75	13912	5.581	ug/l	97
37) Ethyl Acetate	7.163	43	7084	6.354	ug/l	# 89
38) Carbon Tetrachloride	7.987	117	12686	5.315	ug/l	91
39) Methylcyclohexane	9.275	83	14793	5.139	ug/l	96
40) Benzene	8.246	78	41824	5.317	ug/l	97

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.410	41	621	0.912	ug/l #	1
42) 1,2-Dichloroethane	8.322	62	10932	5.349	ug/l	97
43) Isopropyl Acetate	8.363	43	11647	5.353	ug/l #	77
44) Trichloroethene	9.022	130	12070	5.631	ug/l	94
45) 1,2-Dichloropropane	9.298	63	11231	5.532	ug/l	91
46) Dibromomethane	9.387	93	6473	5.447	ug/l	91
47) Bromodichloromethane	9.581	83	16544	5.547	ug/l #	98
48) Methyl methacrylate	9.375	41	5261	5.313	ug/l #	74
49) 1,4-Dioxane	9.381	88	827	54.314	ug/l #	28
51) 4-Methyl-2-Pentanone	10.157	43	30334	26.186	ug/l	91
52) Toluene	10.334	92	27492	5.322	ug/l	98
53) t-1,3-Dichloropropene	10.551	75	14152	5.112	ug/l	97
54) cis-1,3-Dichloropropene	10.016	75	17223	5.279	ug/l #	85
55) 1,1,2-Trichloroethane	10.734	97	9589	5.525	ug/l #	94
56) Ethyl methacrylate	10.598	69	9022	4.504	ug/l #	81
57) 1,3-Dichloropropane	10.881	76	15305	5.415	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	19273	24.858	ug/l	99
59) 2-Hexanone	10.922	43	20996	25.402	ug/l	87
60) Dibromochloromethane	11.069	129	11278	5.594	ug/l	93
61) 1,2-Dibromoethane	11.175	107	8027	4.989	ug/l	91
64) Tetrachloroethene	10.804	164	8962	5.730	ug/l	92
65) Chlorobenzene	11.604	112	30074	5.452	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.675	131	11339	5.521	ug/l	96
67) Ethyl Benzene	11.681	91	50331	5.195	ug/l	95
68) m/p-Xylenes	11.792	106	38088	10.236	ug/l	93
69) o-Xylene	12.122	106	18148	5.044	ug/l	93
70) Styrene	12.134	104	29772	4.727	ug/l	94
71) Bromoform	12.298	173	6754	6.004	ug/l #	88
73) Isopropylbenzene	12.422	105	47522	5.195	ug/l	97
74) N-amyl acetate	12.234	43	9769	5.070	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.669	83	11199	5.702	ug/l	99
76) 1,2,3-Trichloropropane	12.722	75	12369	10.317	ug/l #	100
77) Bromobenzene	12.698	156	11368	5.384	ug/l	80
78) n-propylbenzene	12.763	91	58768	5.300	ug/l	94
79) 2-Chlorotoluene	12.845	91	32044	5.270	ug/l	96
80) 1,3,5-Trimethylbenzene	12.904	105	38000	5.138	ug/l	92
81) trans-1,4-Dichloro-2-b...	12.463	75	2693	4.780	ug/l	93
82) 4-Chlorotoluene	12.945	91	33628	5.294	ug/l	91
83) tert-Butylbenzene	13.163	119	35382	5.433	ug/l	95
84) 1,2,4-Trimethylbenzene	13.210	105	36563	4.838	ug/l	98
85) sec-Butylbenzene	13.345	105	51999	5.226	ug/l	94
86) p-Isopropyltoluene	13.457	119	39836	4.848	ug/l	98
87) 1,3-Dichlorobenzene	13.463	146	22440	5.167	ug/l	97
88) 1,4-Dichlorobenzene	13.539	146	23957	5.631	ug/l	96
89) n-Butylbenzene	13.786	91	41302	5.137	ug/l	97
90) Hexachloroethane	14.051	117	9521	6.268	ug/l	79
91) 1,2-Dichlorobenzene	13.834	146	20341	5.316	ug/l	96
92) 1,2-Dibromo-3-Chloropr...	14.445	75	1604	5.728	ug/l	85
93) 1,2,4-Trichlorobenzene	15.098	180	12131	5.193	ug/l	98
94) Hexachlorobutadiene	15.204	225	6211	5.528	ug/l	95
95) Naphthalene	15.328	128	24206	4.785	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	11676	5.570	ug/l	97

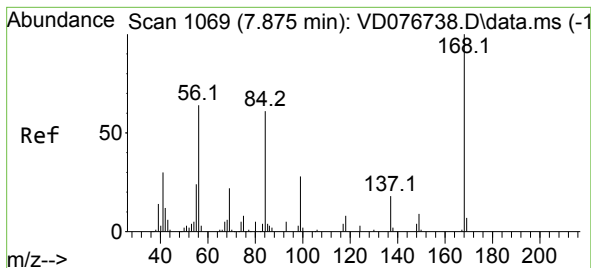
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Quant Title : SW846 8260
QLast Update : Wed Jul 19 08:14:54 2023
Response via : Initial Calibration

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# 1069

Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

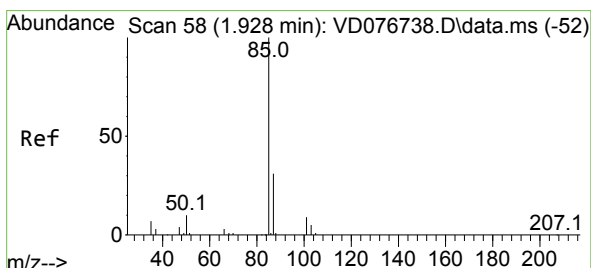
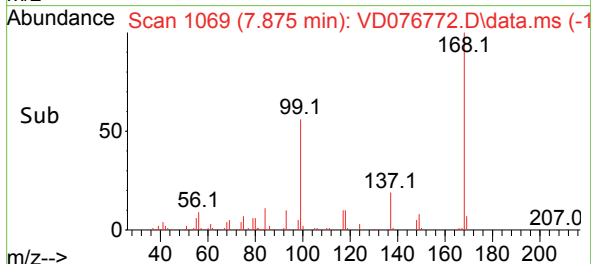
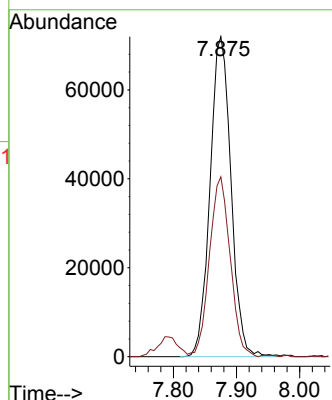
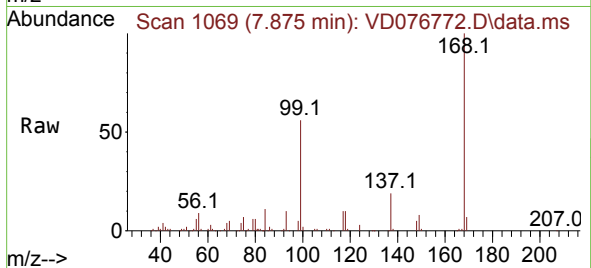
LOQ-SOIL-02-QT3-2023

Tgt Ion:168 Resp: 165956

Ion Ratio Lower Upper

168 100

99 56.2 36.7 55.1#



#2

Dichlorodifluoromethane

Concen: 6.463 ug/l

RT: 1.928 min Scan# 58

Delta R.T. 0.000 min

Lab File: VD076772.D

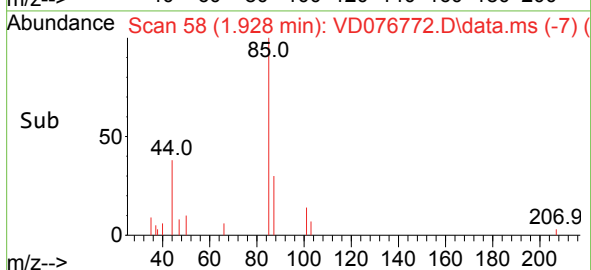
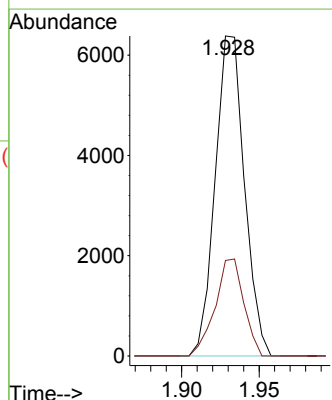
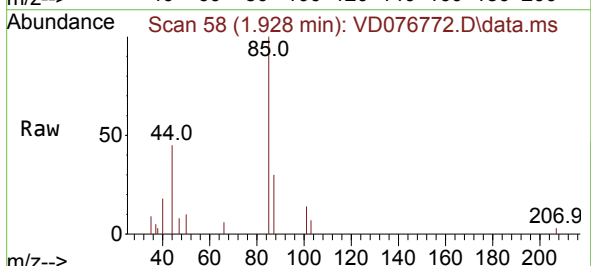
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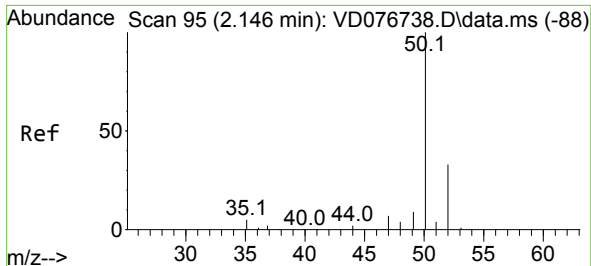
Tgt Ion: 85 Resp: 8387

Ion Ratio Lower Upper

85 100

87 29.9 15.7 47.0

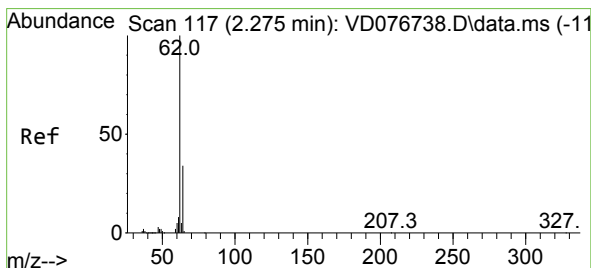
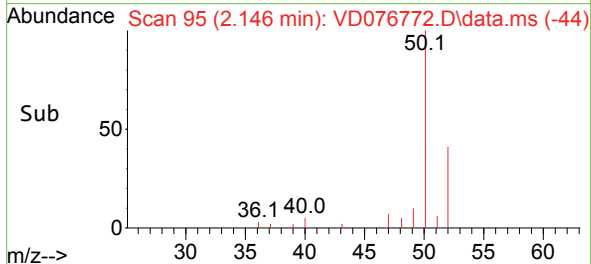
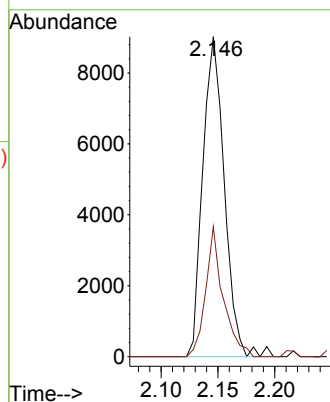
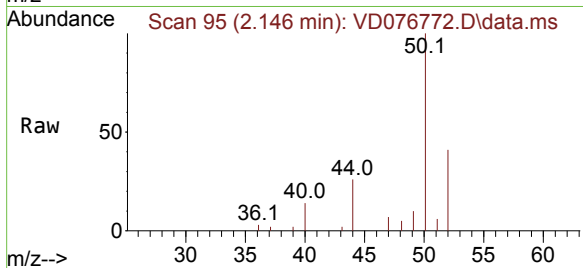




#3
Chloromethane
Concen: 5.336 ug/l
RT: 2.146 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

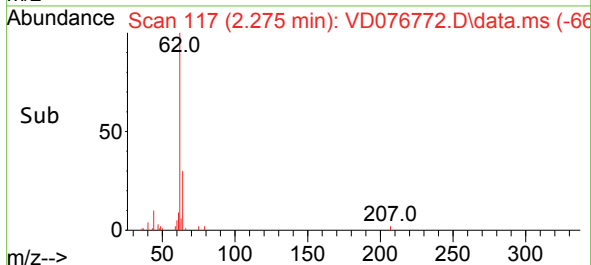
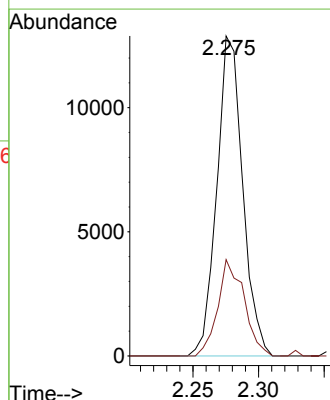
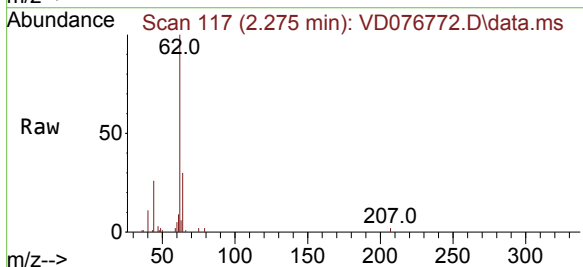
Instrument :
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ClientSampleId :
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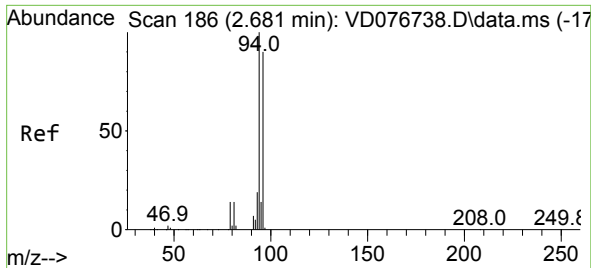
Tgt Ion: 50 Resp: 11945
Ion Ratio Lower Upper
50 100
52 40.6 26.6 40.0#



#4
Vinyl Chloride
Concen: 5.911 ug/l
RT: 2.275 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 62 Resp: 17641
Ion Ratio Lower Upper
62 100
64 30.1 26.0 39.0

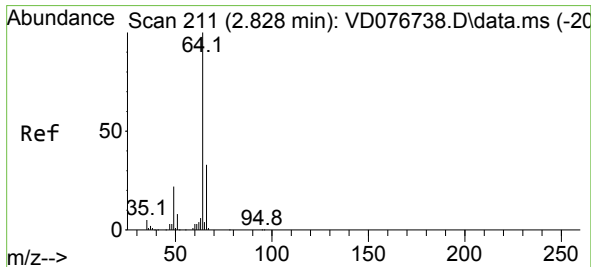
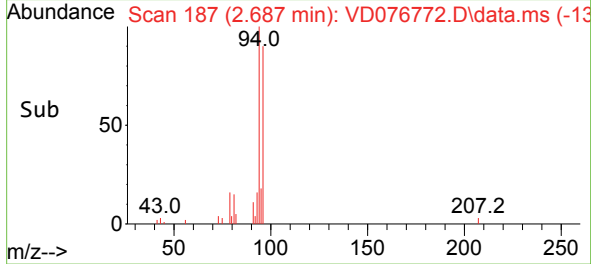
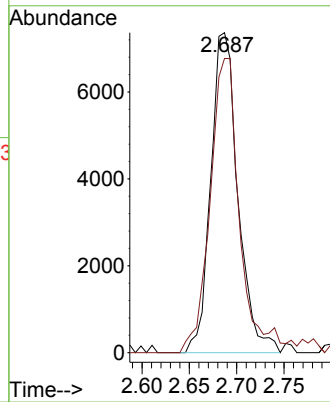
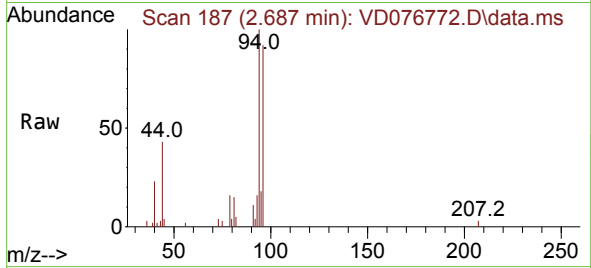




#5
Bromomethane
Concen: 5.983 ug/l
RT: 2.687 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

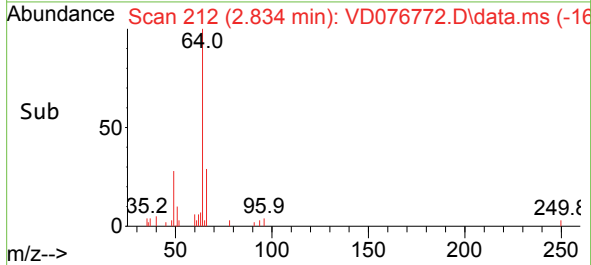
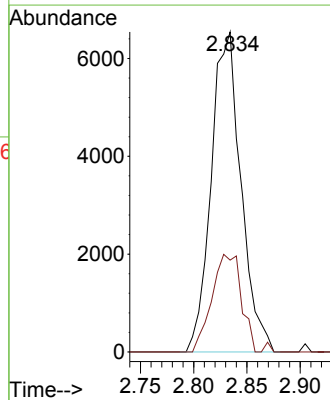
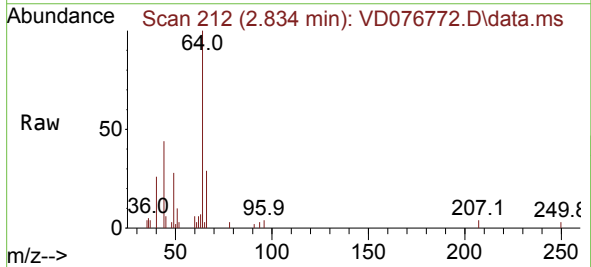
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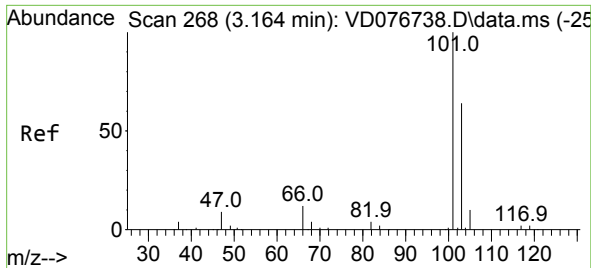
Tgt Ion: 94 Resp: 14690
Ion Ratio Lower Upper
94 100
96 99.4 75.8 113.8



#6
Chloroethane
Concen: 5.634 ug/l
RT: 2.834 min Scan# 212
Delta R.T. 0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 64 Resp: 12693
Ion Ratio Lower Upper
64 100
66 28.7 25.5 38.3

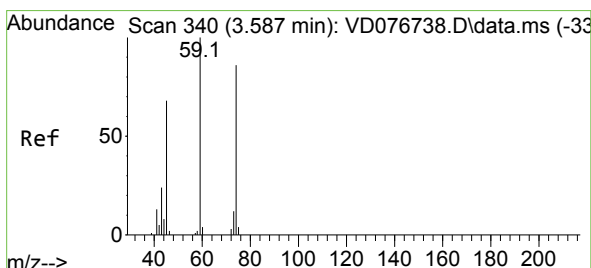
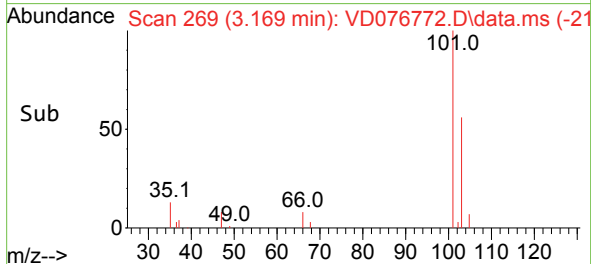
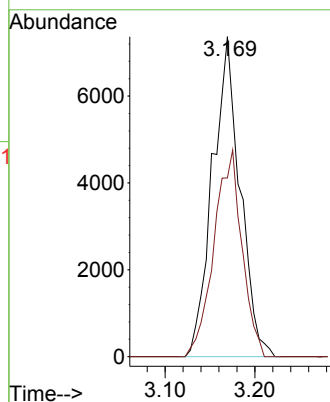
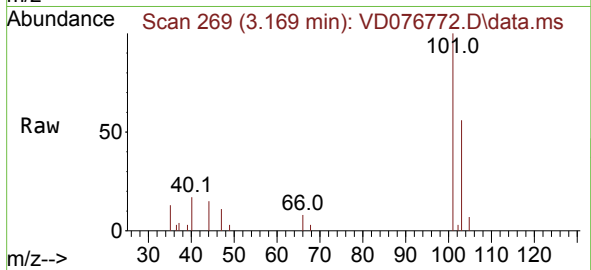




#7
 Trichlorofluoromethane
 Concen: 5.919 ug/l
 RT: 3.169 min Scan# 201
 Delta R.T. 0.005 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

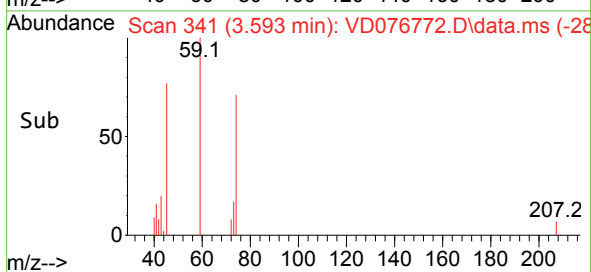
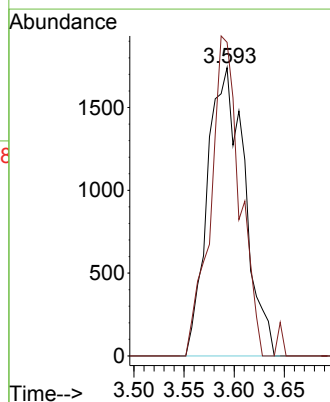
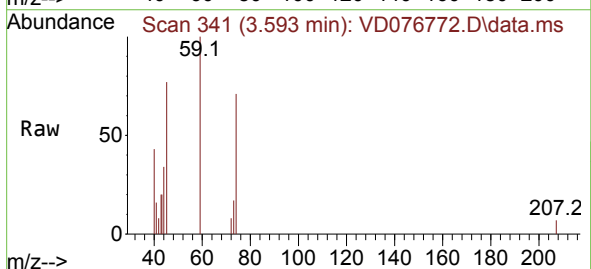
Instrument :
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 LOQ-SOIL-02-QT3-2023

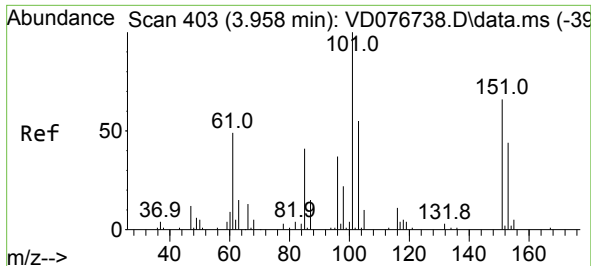
Tgt Ion:101 Resp: 15717
 Ion Ratio Lower Upper
 101 100
 103 55.8 52.3 78.5



#8
 Diethyl Ether
 Concen: 4.904 ug/l
 RT: 3.593 min Scan# 341
 Delta R.T. 0.006 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

Tgt Ion: 74 Resp: 4483
 Ion Ratio Lower Upper
 74 100
 45 88.0 37.5 112.7

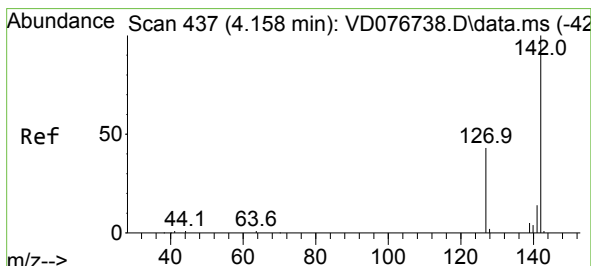
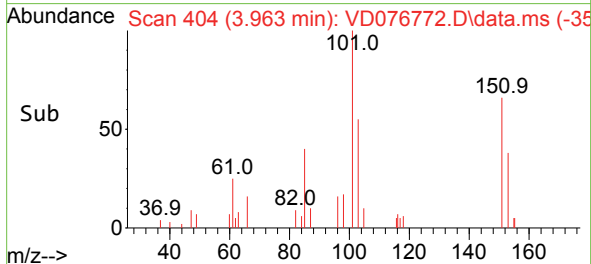
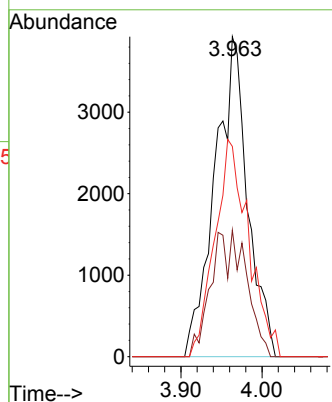
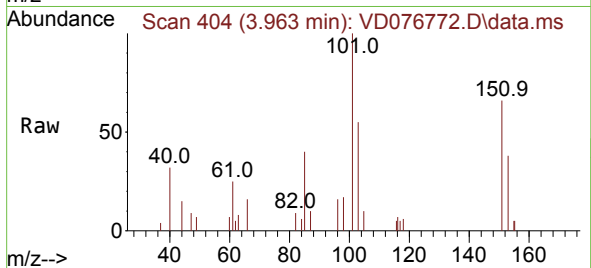




#9
1,1,2-Trichlorotrifluoroethane
Concen: 6.273 ug/l
RT: 3.963 min Scan# 403
Delta R.T. 0.005 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

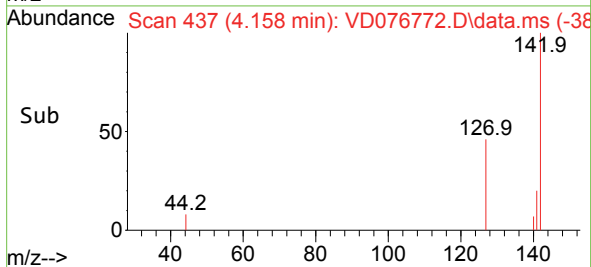
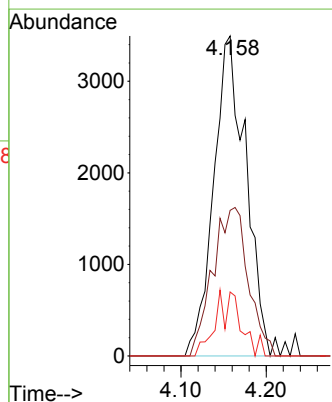
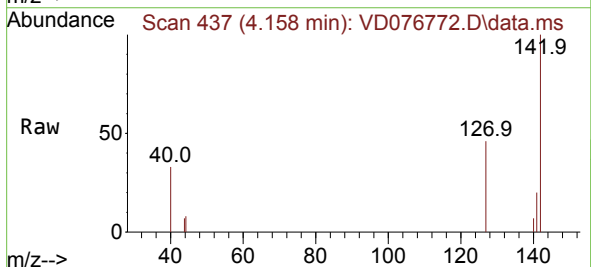
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

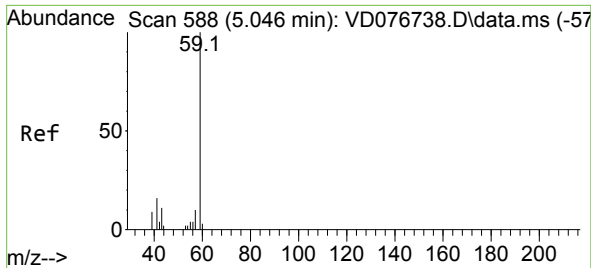
Tgt Ion:101 Resp: 10950
Ion Ratio Lower Upper
101 100
85 21.6 33.8 50.6#
151 70.5 59.8 89.6



#10
Methyl Iodide
Concen: 4.668 ug/l
RT: 4.158 min Scan# 437
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion:142 Resp: 9185
Ion Ratio Lower Upper
142 100
127 51.4 29.4 44.0#
141 16.0 11.1 16.7

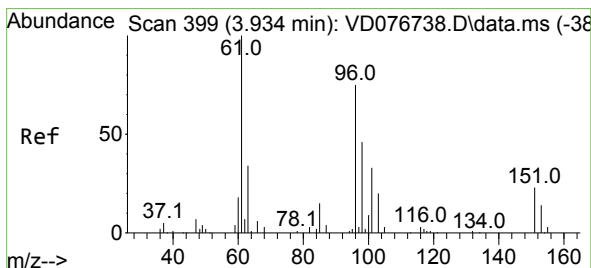
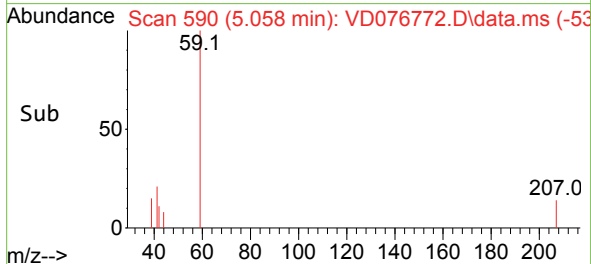
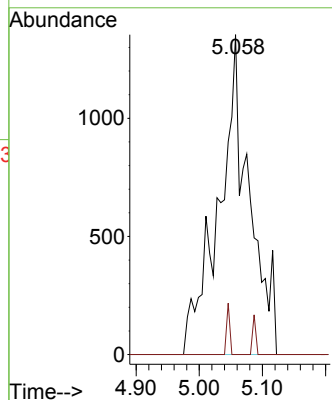
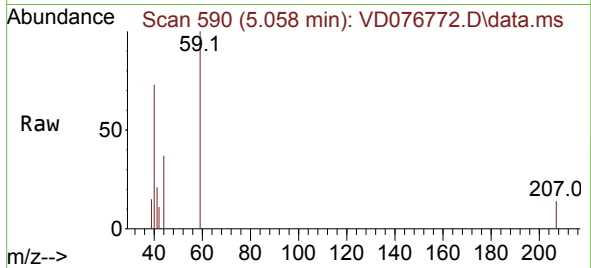




#11
Tert butyl alcohol
Concen: 36.709 ug/l
RT: 5.058 min Scan# 590
Delta R.T. 0.011 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

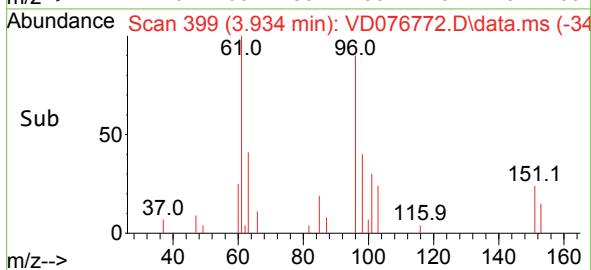
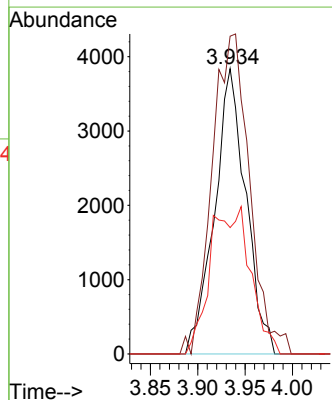
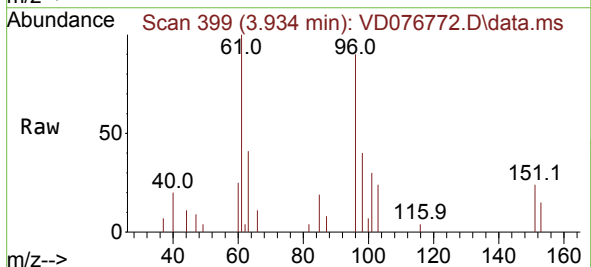
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

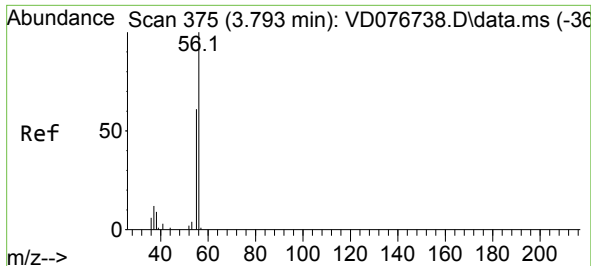
Tgt Ion: 59 Resp: 4528
Ion Ratio Lower Upper
59 100
57 1.7 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 5.382 ug/l
RT: 3.934 min Scan# 399
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 96 Resp: 8826
Ion Ratio Lower Upper
96 100
61 111.4 100.6 150.8
98 44.3 50.2 75.2#





#13

Acrolein

Concen: 32.740 ug/l

RT: 3.793 min Scan# 31

Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

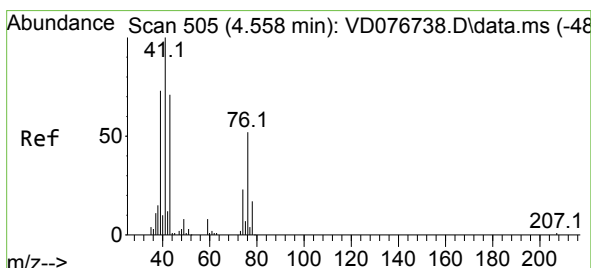
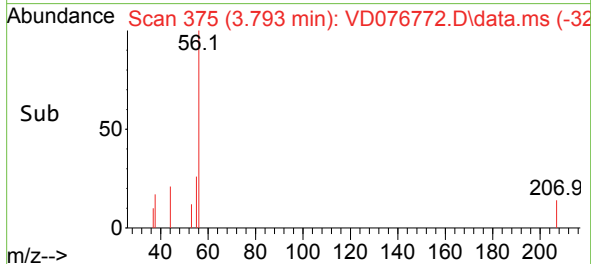
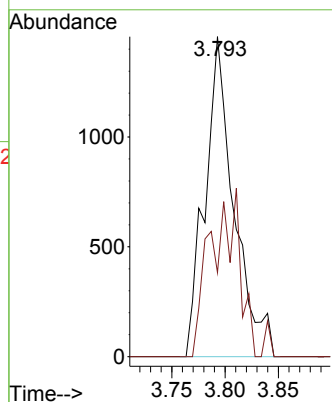
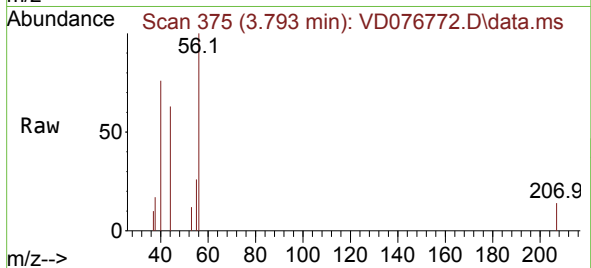
LOQ-SOIL-02-QT3-2023

Tgt Ion: 56 Resp: 2752

Ion Ratio Lower Upper

56 100

55 21.9 55.1 82.7#



#14

Allyl chloride

Concen: 5.175 ug/l

RT: 4.552 min Scan# 504

Delta R.T. -0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

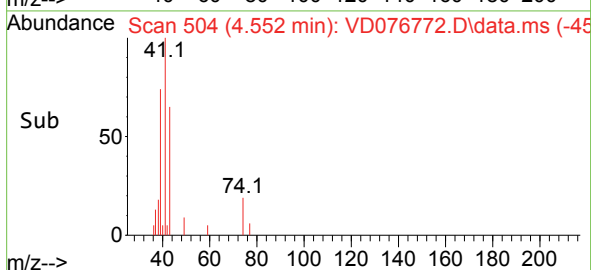
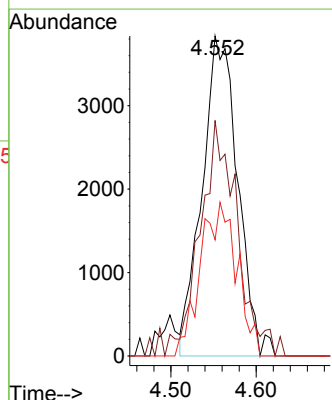
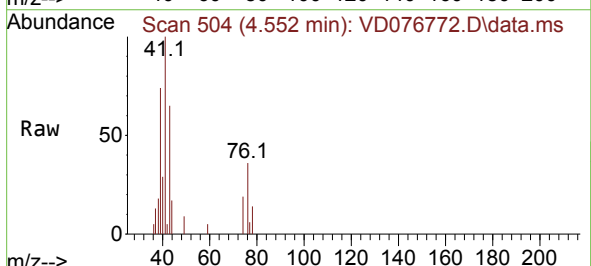
Tgt Ion: 41 Resp: 11148

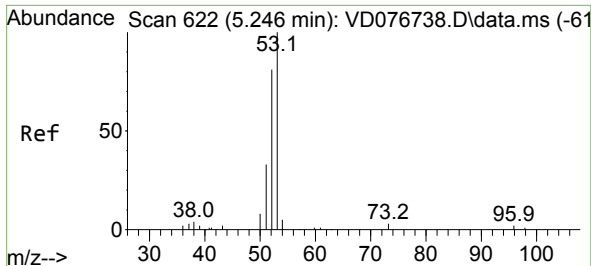
Ion Ratio Lower Upper

41 100

39 76.4 53.8 80.6

76 23.1 45.8 68.8#

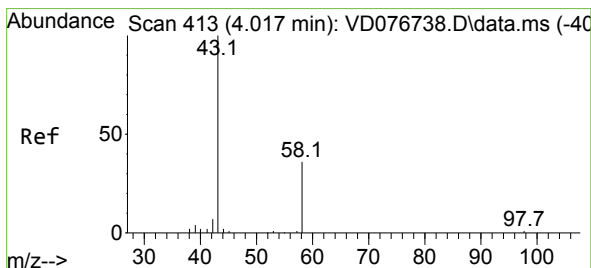
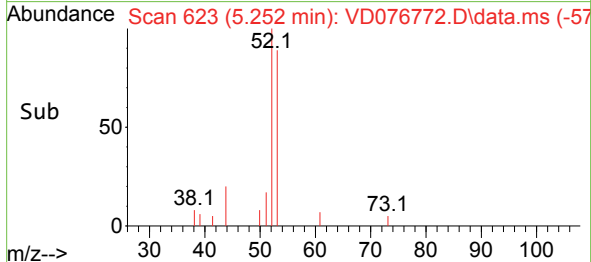
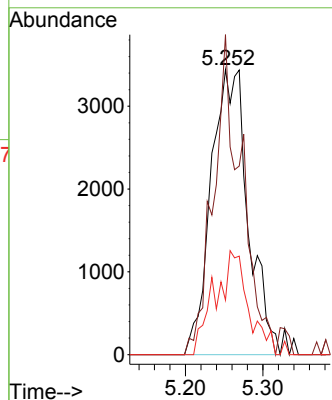
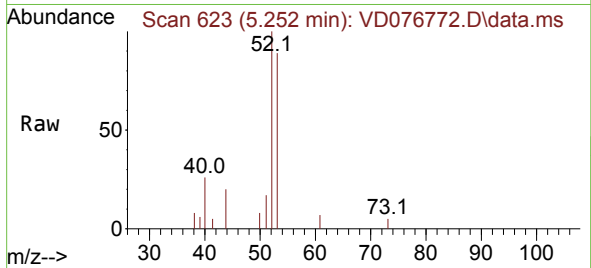




#15
Acrylonitrile
Concen: 25.540 ug/l
RT: 5.252 min Scan# 61
Delta R.T. 0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

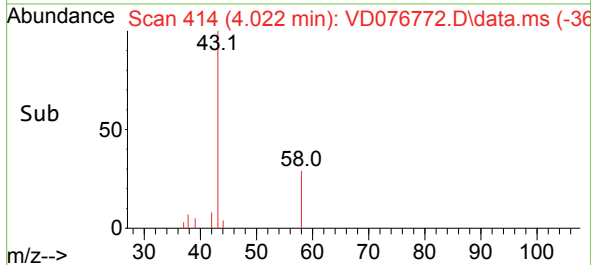
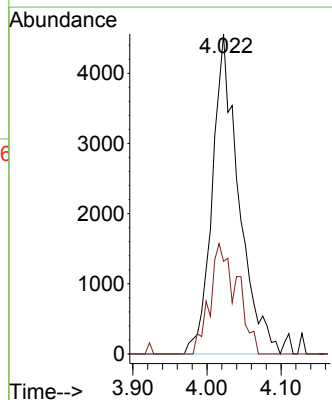
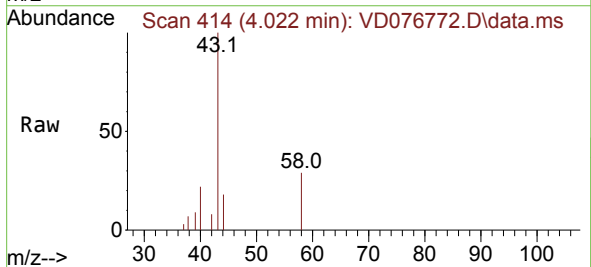
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

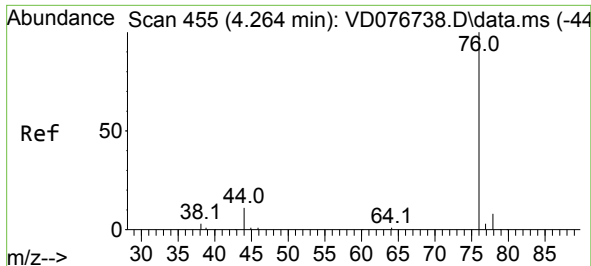
Tgt Ion: 53 Resp: 11468
Ion Ratio Lower Upper
53 100
52 85.0 65.0 97.4
51 24.5 28.3 42.5#



#16
Acetone
Concen: 28.685 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.005 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 43 Resp: 11324
Ion Ratio Lower Upper
43 100
58 28.9 34.7 52.1#





#17

Carbon Disulfide

Concen: 5.402 ug/l

RT: 4.269 min Scan# 41

Delta R.T. 0.005 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

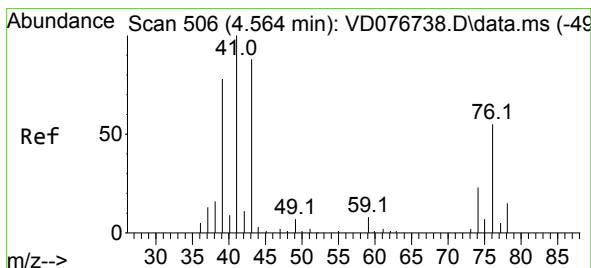
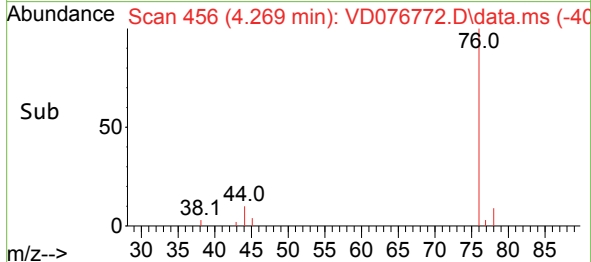
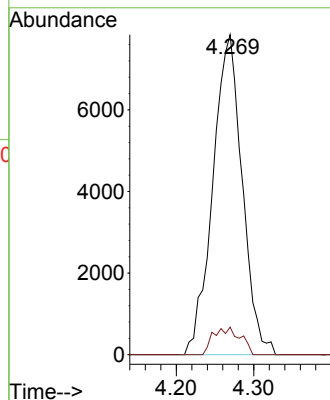
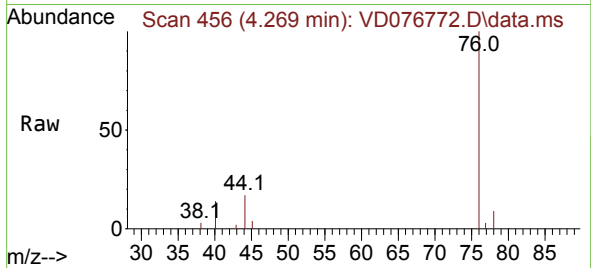
LOQ-SOIL-02-QT3-2023

Tgt Ion: 76 Resp: 20692

Ion Ratio Lower Upper

76 100

78 8.6 6.8 10.2



#18

Methyl Acetate

Concen: 5.457 ug/l

RT: 4.552 min Scan# 504

Delta R.T. -0.012 min

Lab File: VD076772.D

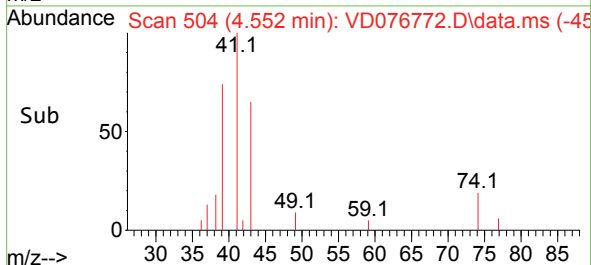
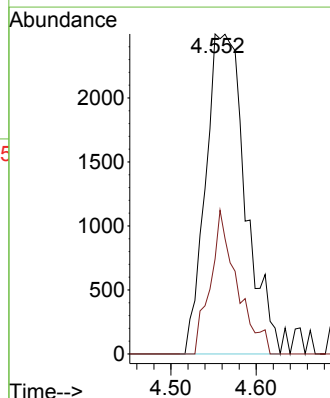
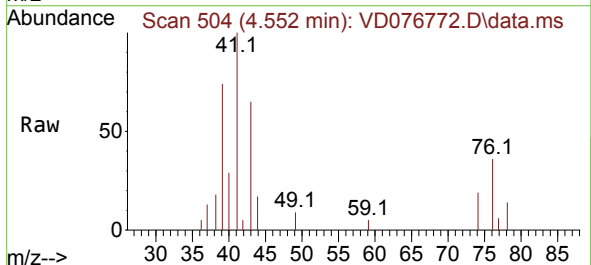
Acq: 18 Jul 2023 12:27

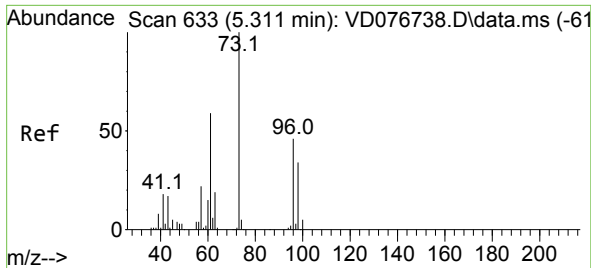
Tgt Ion: 43 Resp: 8093

Ion Ratio Lower Upper

43 100

74 30.2 26.4 39.6

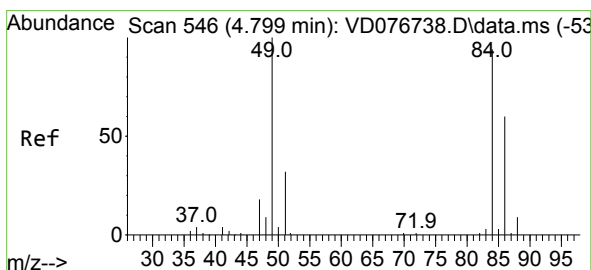
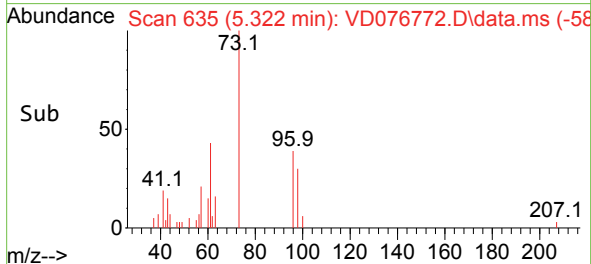
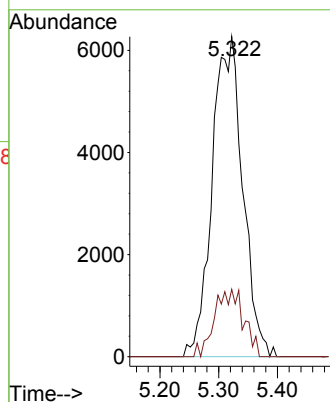
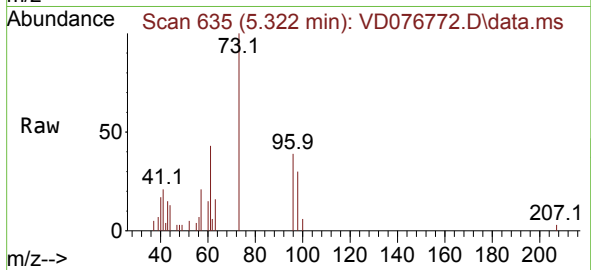




#19
Methyl tert-butyl Ether
Concen: 5.133 ug/l
RT: 5.322 min Scan# 61
Delta R.T. 0.011 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

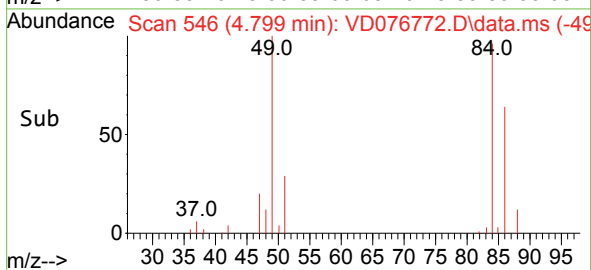
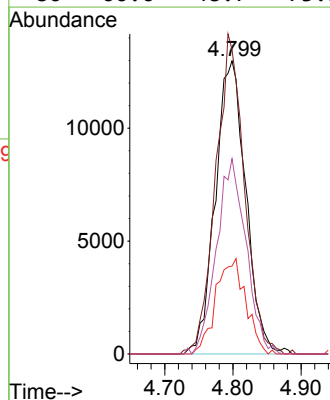
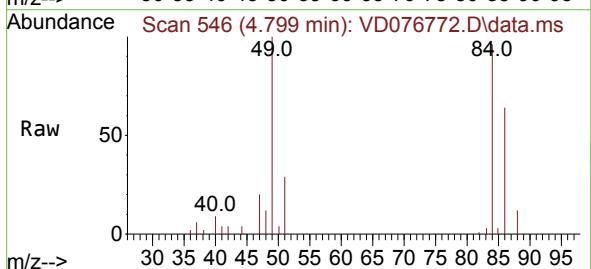
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

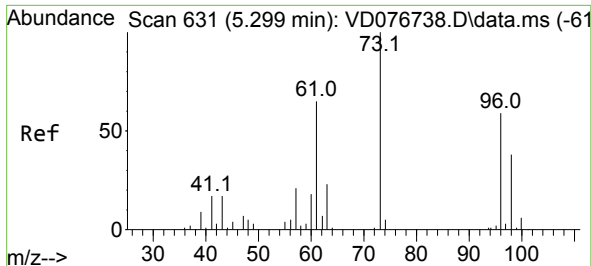
Tgt Ion: 73 Resp: 22572
Ion Ratio Lower Upper
73 100
57 21.0 16.6 25.0



#20
Methylene Chloride
Concen: 12.352 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 84 Resp: 40329
Ion Ratio Lower Upper
84 100
49 103.8 71.4 107.2
51 30.0 24.5 36.7
86 66.6 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 5.111 ug/l

RT: 5.299 min Scan# 61

Delta R.T. -0.000 min

Lab File: VD076772.D

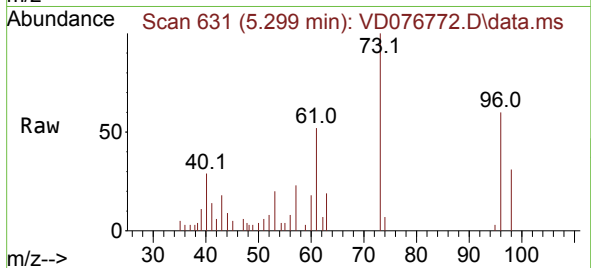
Acq: 18 Jul 2023 12:27

Instrument :

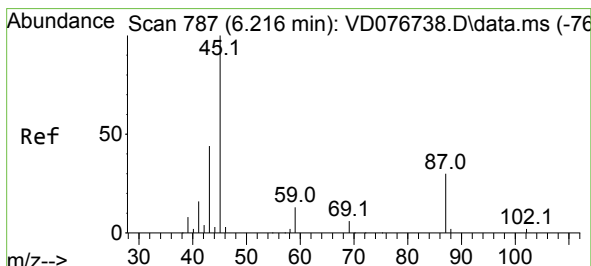
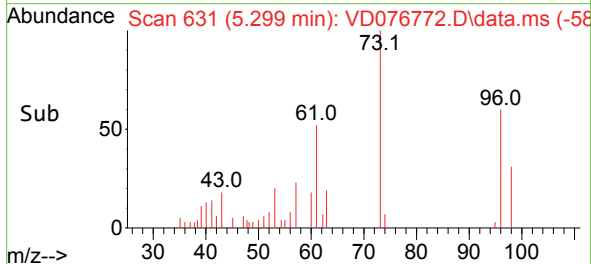
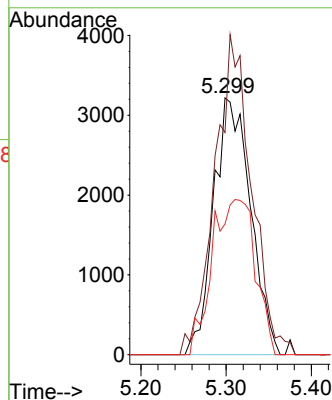
MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023



Tgt Ion:	96	Resp:	9742
Ion	Ratio	Lower	Upper
96	100		
61	86.5	89.3	133.9#
98	50.9	48.6	73.0



#22

Diisopropyl ether

Concen: 5.133 ug/l

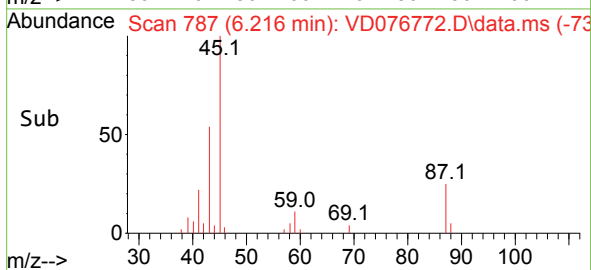
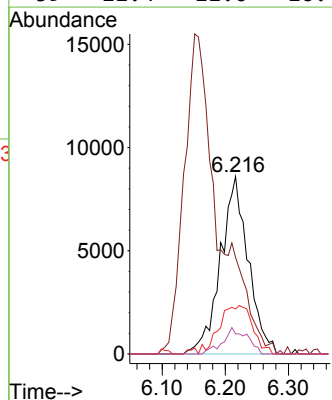
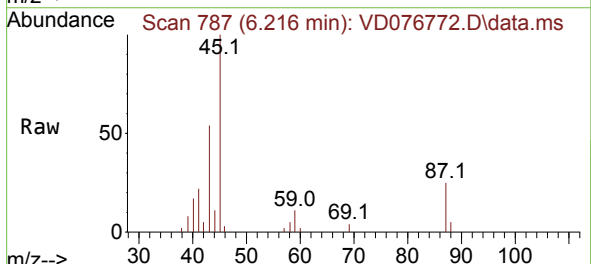
RT: 6.216 min Scan# 787

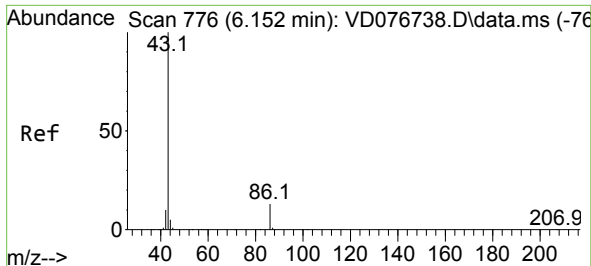
Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Tgt Ion:	45	Resp:	26185
Ion	Ratio	Lower	Upper
45	100		
43	52.5	40.0	60.0
87	25.4	28.2	42.4#
59	11.4	11.0	16.4

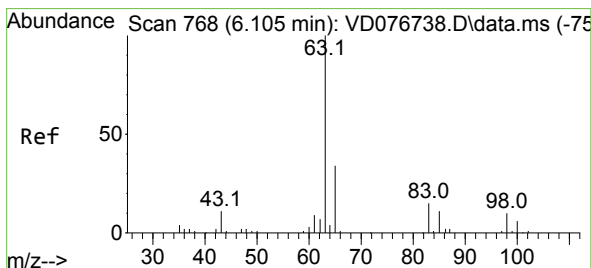
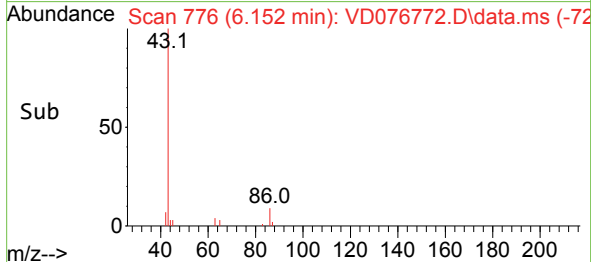
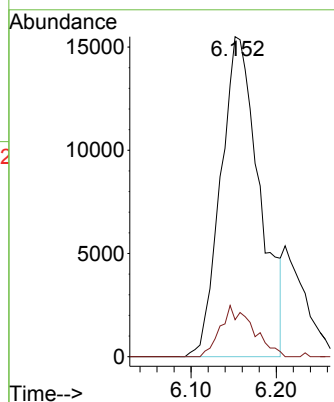
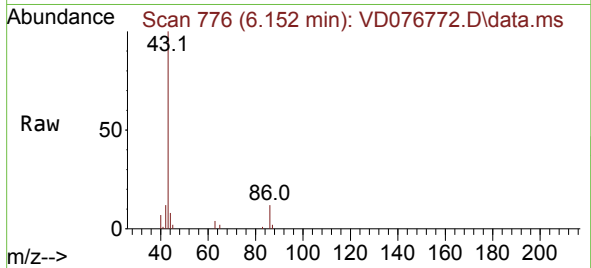




#23
 Vinyl Acetate
 Concen: 19.346 ug/l
 RT: 6.152 min Scan# 776
 Delta R.T. -0.000 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

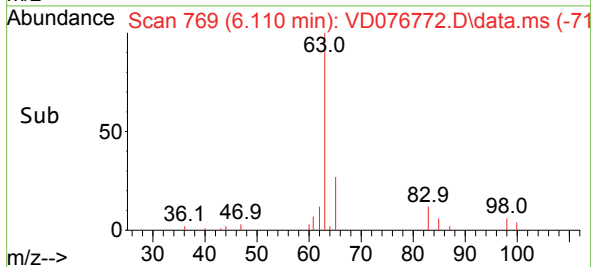
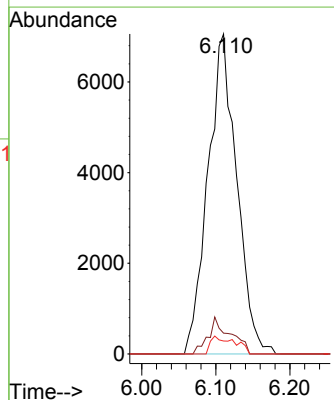
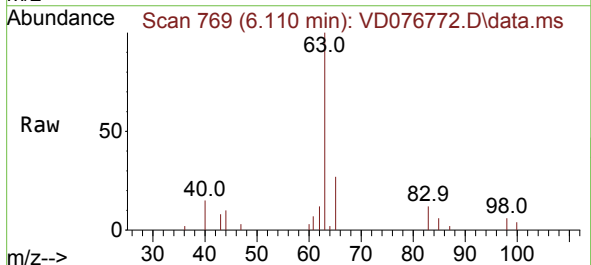
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

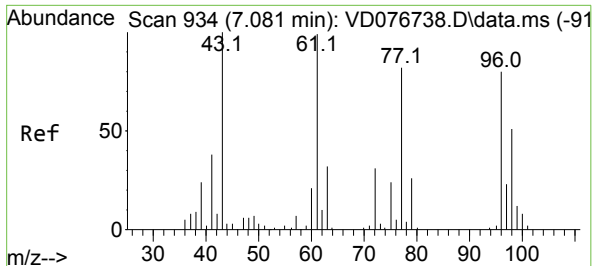
Tgt Ion: 43 Resp: 48830
 Ion Ratio Lower Upper
 43 100
 86 11.6 12.5 18.7#



#24
 1,1-Dichloroethane
 Concen: 5.538 ug/l
 RT: 6.110 min Scan# 769
 Delta R.T. 0.005 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

Tgt Ion: 63 Resp: 19048
 Ion Ratio Lower Upper
 63 100
 98 6.5 4.5 13.7
 100 4.0 2.5 7.5

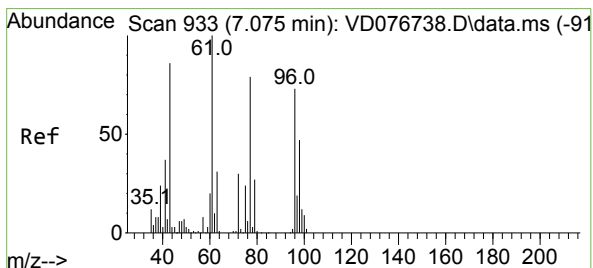
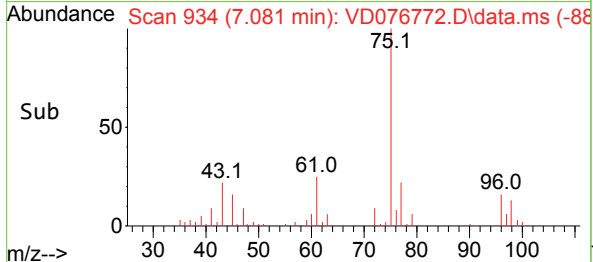
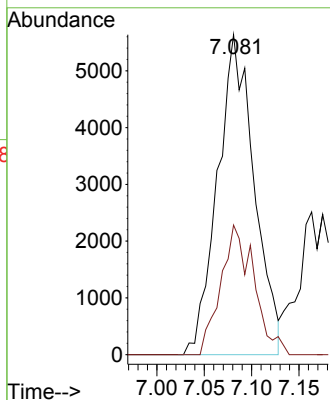
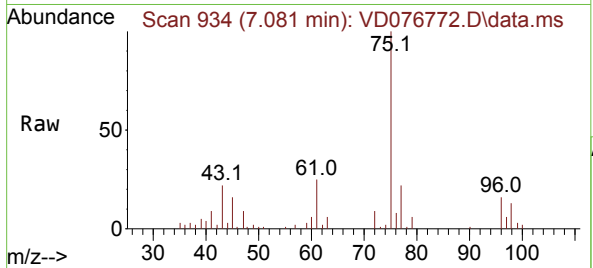




#25
2-Butanone
Concen: 28.726 ug/l
RT: 7.081 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

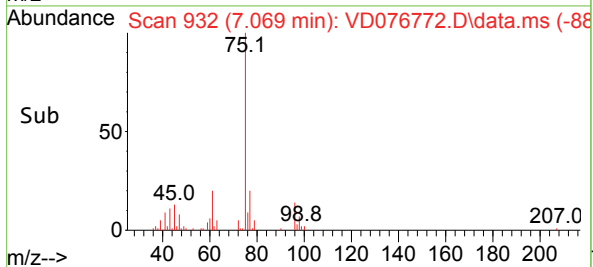
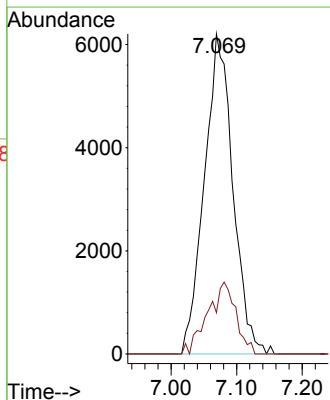
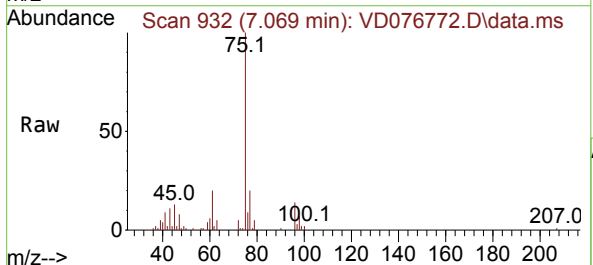
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

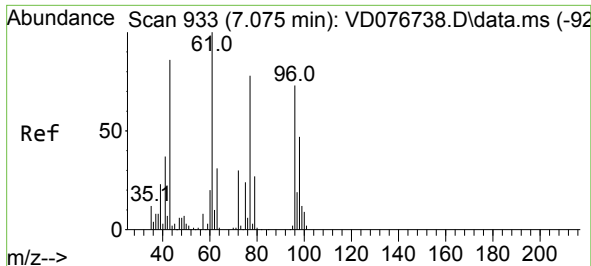
Tgt Ion: 43 Resp: 15177
Ion Ratio Lower Upper
43 100
72 40.5 30.7 46.1



#26
2,2-Dichloropropane
Concen: 6.328 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 77 Resp: 18761
Ion Ratio Lower Upper
77 100
97 22.2 13.2 39.6

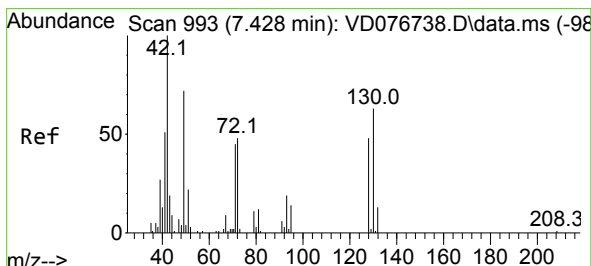
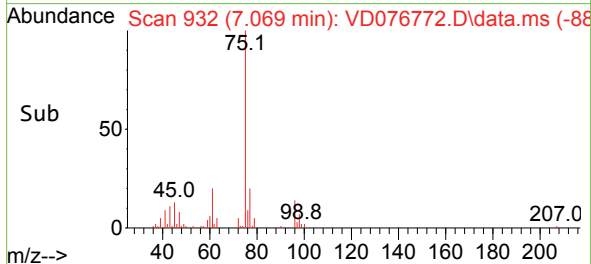
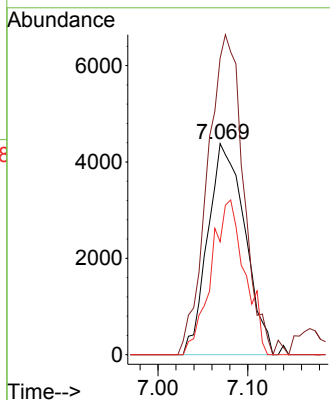
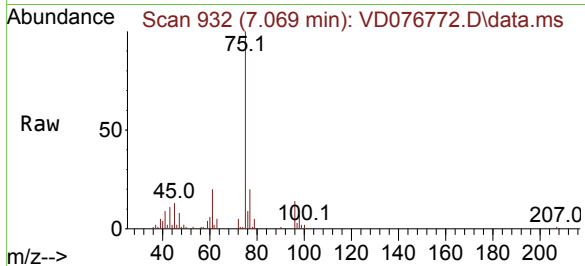




#27
 cis-1,2-Dichloroethene
 Concen: 5.358 ug/l
 RT: 7.069 min Scan# 91
 Delta R.T. -0.006 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

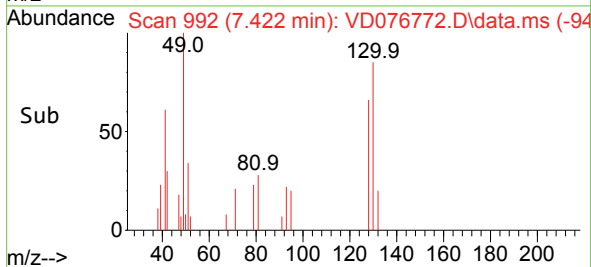
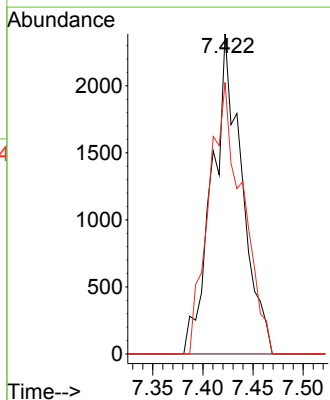
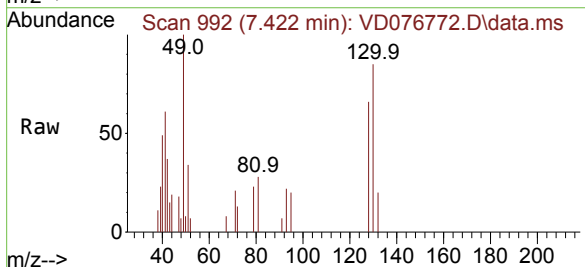
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

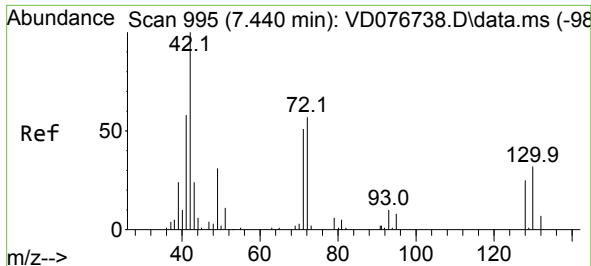
Tgt Ion: 96 Resp: 12591
 Ion Ratio Lower Upper
 96 100
 61 146.0 0.0 239.2
 98 66.8 0.0 128.6



#28
 Bromochloromethane
 Concen: 5.723 ug/l
 RT: 7.422 min Scan# 992
 Delta R.T. -0.006 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

Tgt Ion: 49 Resp: 4921
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 6.0
 130 96.2 83.2 124.8





#29

Tetrahydrofuran

Concen: 26.929 ug/l

RT: 7.446 min Scan# 995

Delta R.T. 0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

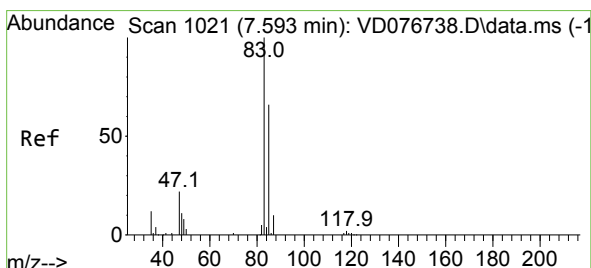
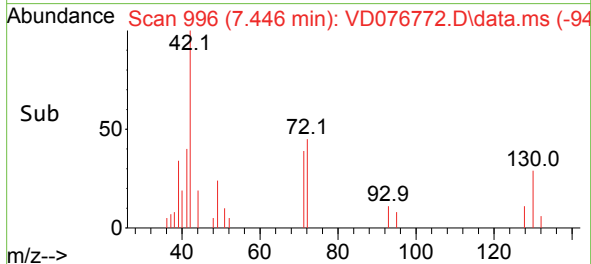
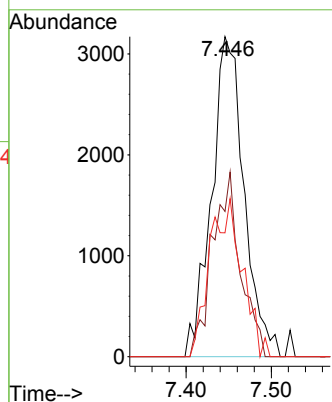
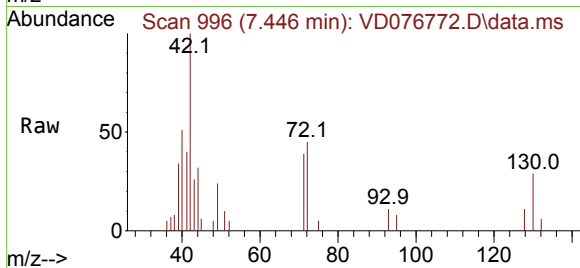
Tgt Ion: 42 Resp: 8406

Ion Ratio Lower Upper

42 100

72 49.8 46.5 69.7

71 49.1 44.5 66.7



#30

Chloroform

Concen: 5.666 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VD076772.D

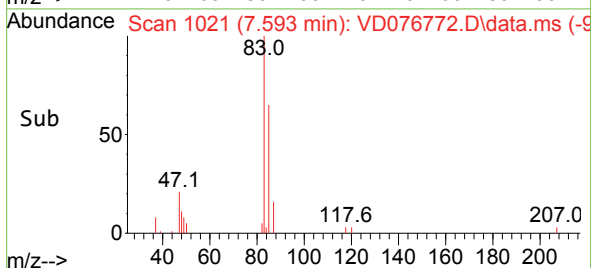
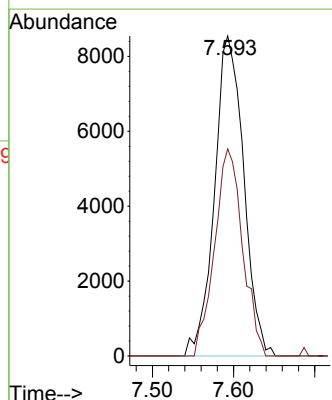
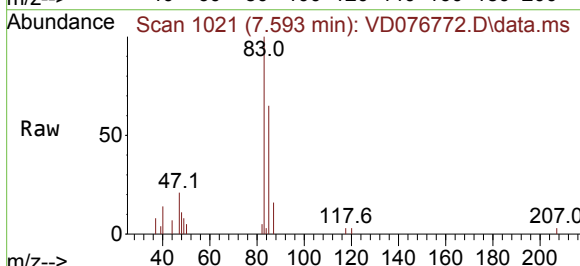
Acq: 18 Jul 2023 12:27

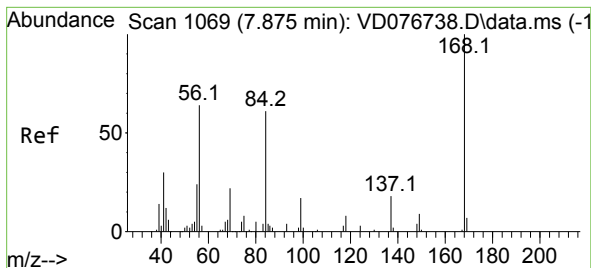
Tgt Ion: 83 Resp: 21344

Ion Ratio Lower Upper

83 100

85 64.7 53.4 80.2





#31

Cyclohexane

Concen: 6.588 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076772.D

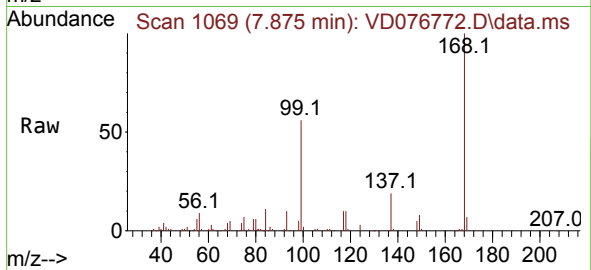
Acq: 18 Jul 2023 12:27

Instrument :

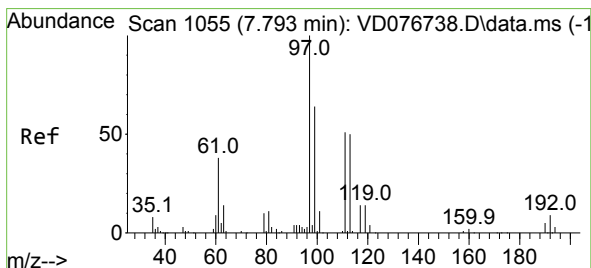
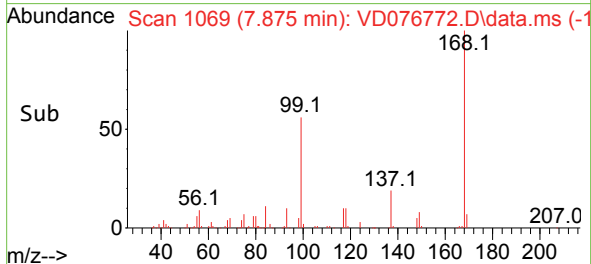
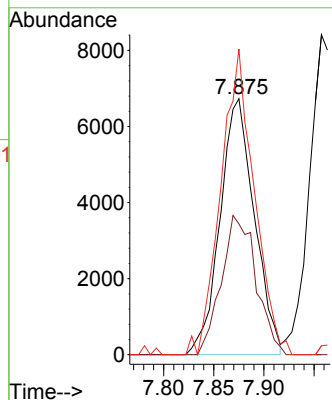
MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023



Tgt Ion:	56	Resp:	16026
Ion Ratio	Lower	Upper	
56	100		
69	51.0	28.6	43.0#
84	119.3	84.8	127.2



#32

1,1,1-Trichloroethane

Concen: 5.741 ug/l

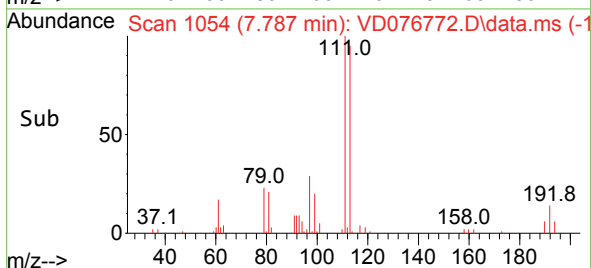
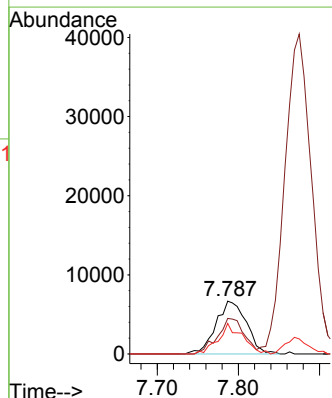
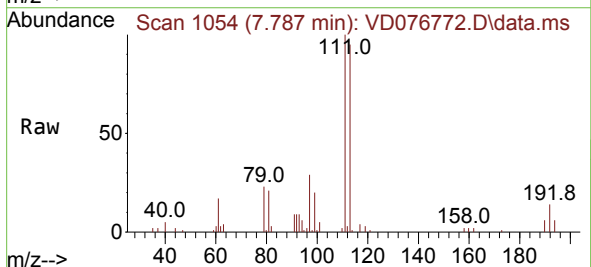
RT: 7.787 min Scan# 1054

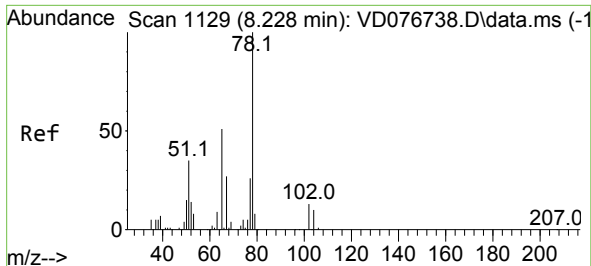
Delta R.T. -0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Tgt Ion:	97	Resp:	17450
Ion Ratio	Lower	Upper	
97	100		
99	58.8	52.0	78.0
61	45.9	33.8	50.8





#33

1,2-Dichloroethane-d4

Concen: 47.716 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

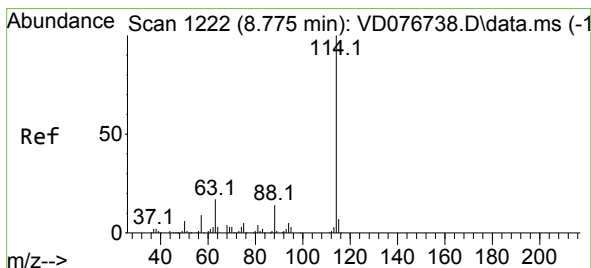
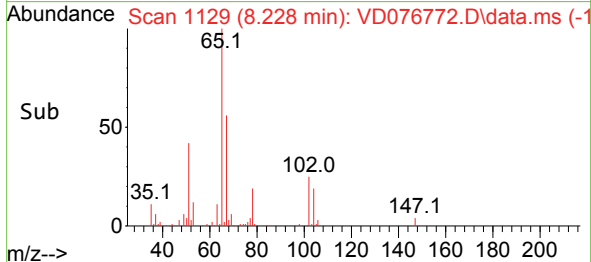
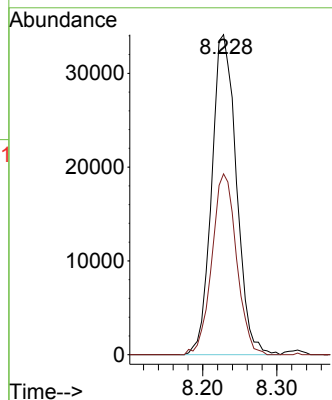
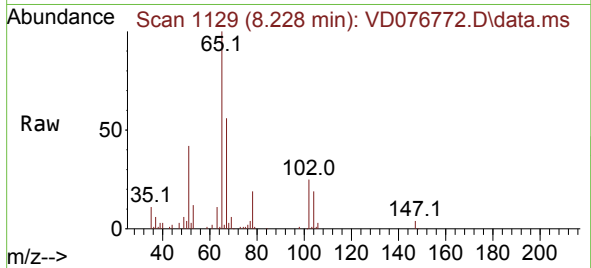
LOQ-SOIL-02-QT3-2023

Tgt Ion: 65 Resp: 78873

Ion Ratio Lower Upper

65 100

67 56.5 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

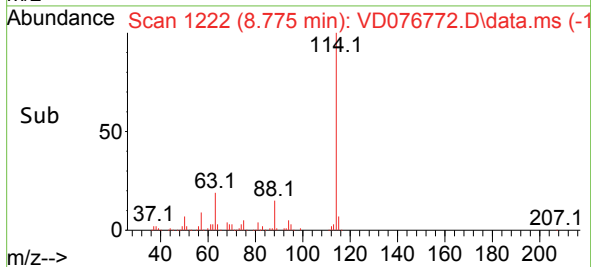
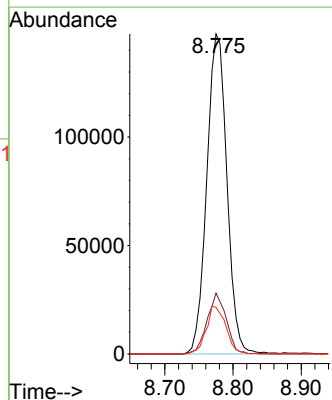
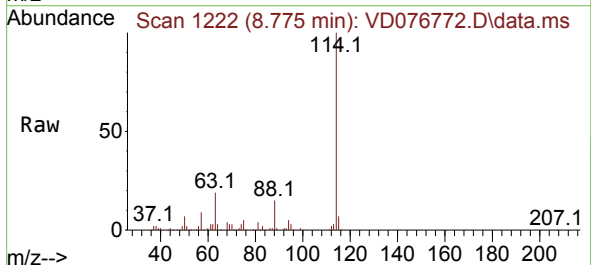
Tgt Ion: 114 Resp: 303571

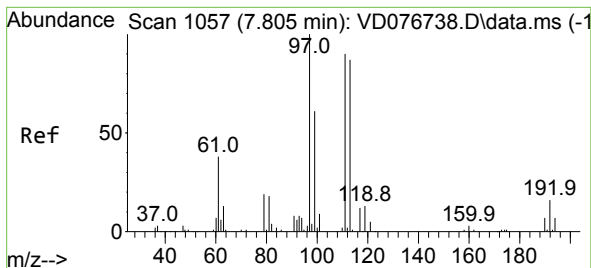
Ion Ratio Lower Upper

114 100

63 19.0 0.0 33.4

88 14.6 0.0 26.2





#35

Dibromofluoromethane

Concen: 50.050 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. -0.001 min

Lab File: VD076772.D

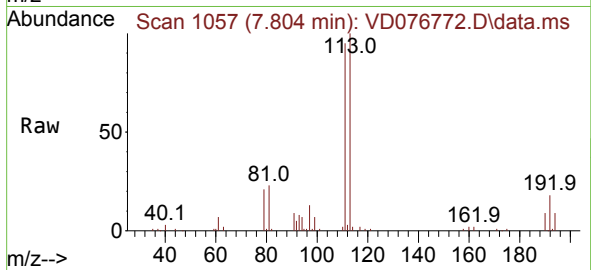
Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023



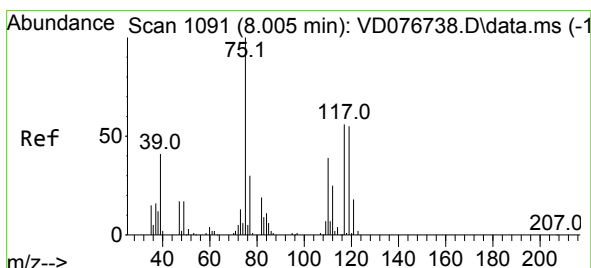
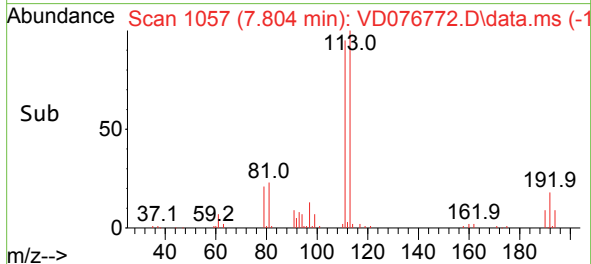
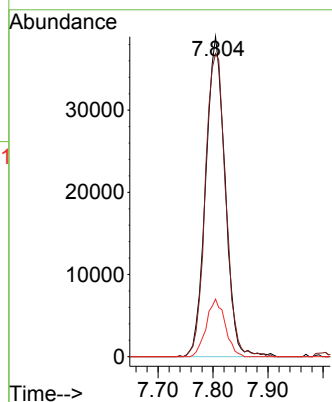
Tgt Ion:113 Resp: 95479

Ion Ratio Lower Upper

113 100

111 99.2 84.7 127.1

192 17.5 16.8 25.2



#36

1,1-Dichloropropene

Concen: 5.581 ug/l

RT: 8.010 min Scan# 1092

Delta R.T. 0.005 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

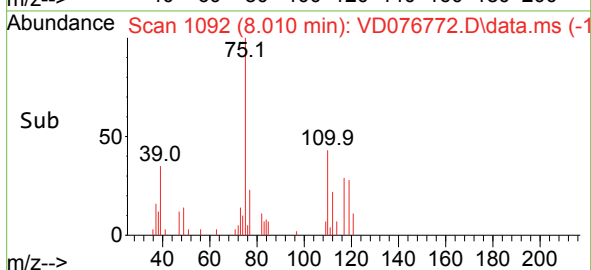
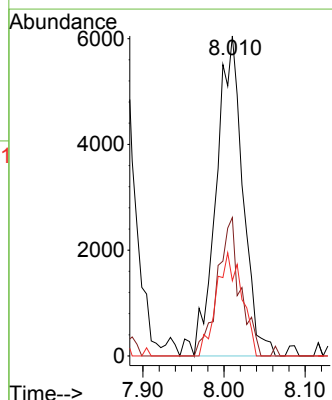
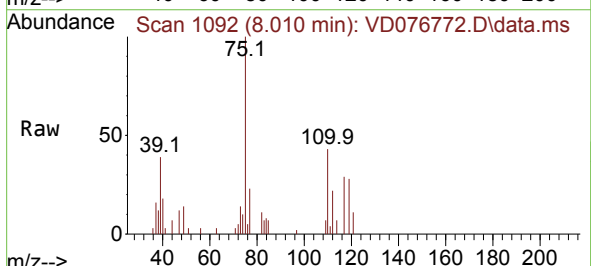
Tgt Ion: 75 Resp: 13912

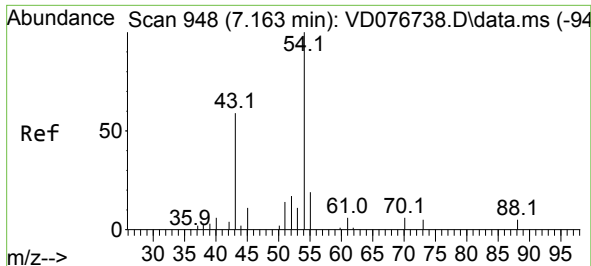
Ion Ratio Lower Upper

75 100

110 36.9 19.9 59.6

77 30.6 24.7 37.1





#37

Ethyl Acetate

Concen: 6.354 ug/l

RT: 7.163 min Scan# 948

Delta R.T. 0.000 min

Lab File: VD076772.D

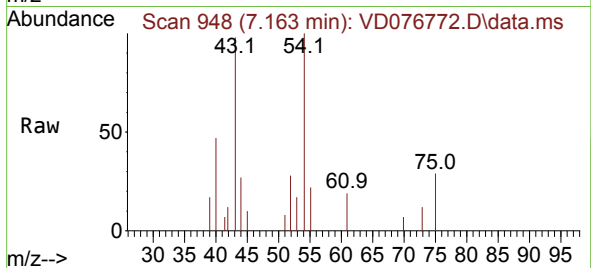
Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023



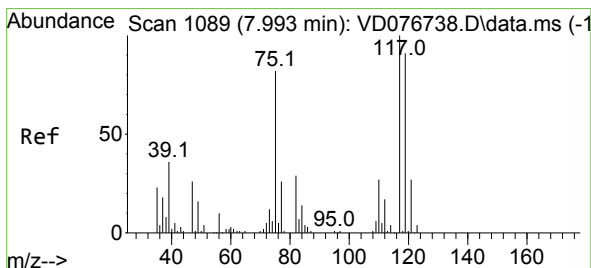
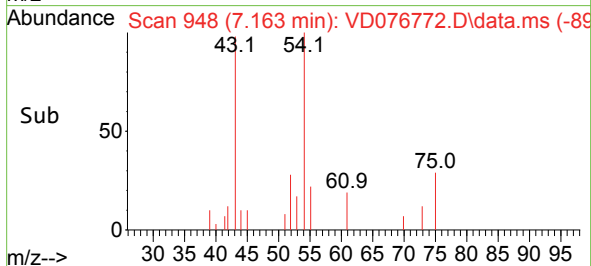
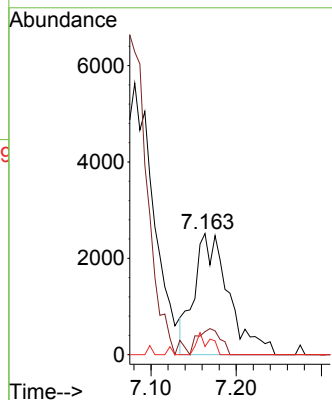
Tgt Ion: 43 Resp: 7084

Ion Ratio Lower Upper

43 100

61 14.4 14.9 22.3#

70 7.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 5.315 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

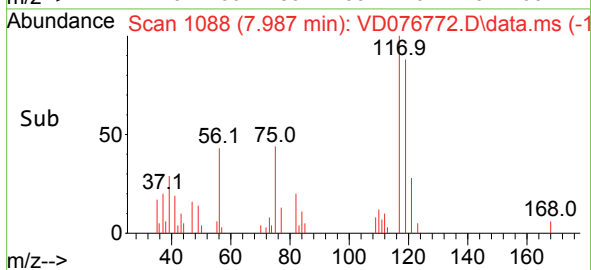
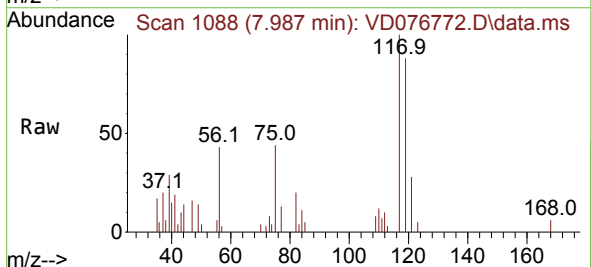
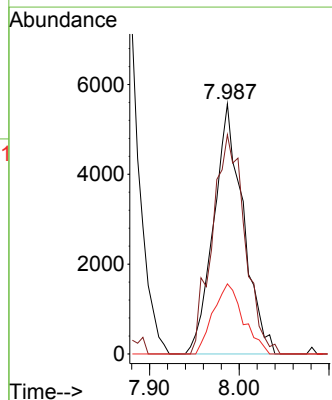
Tgt Ion: 117 Resp: 12686

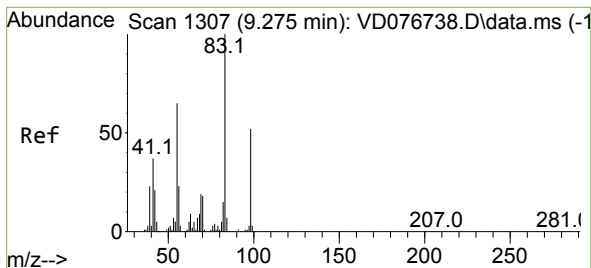
Ion Ratio Lower Upper

117 100

119 87.7 78.0 117.0

121 28.1 24.2 36.2





#39

Methylcyclohexane

Concen: 5.139 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

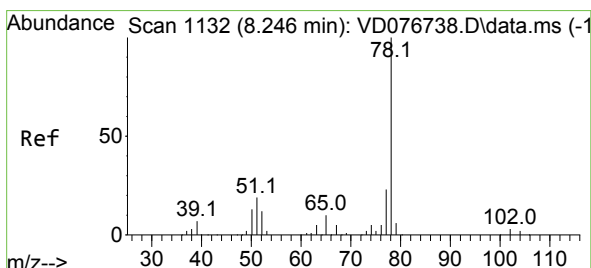
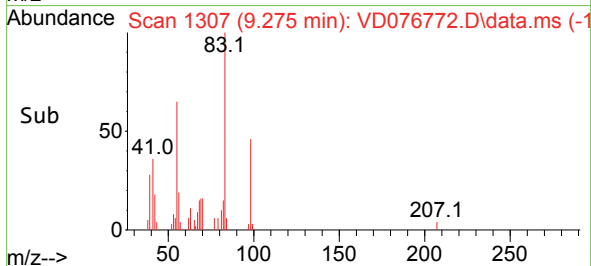
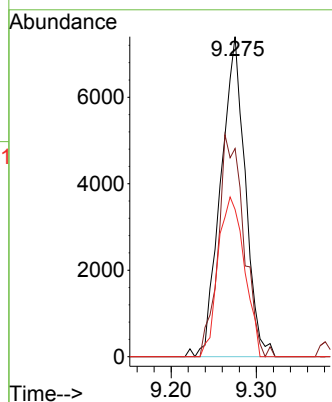
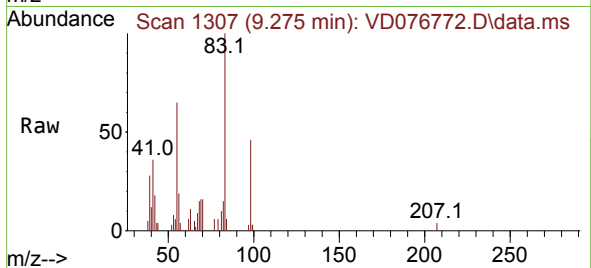
Tgt Ion: 83 Resp: 14793

Ion Ratio Lower Upper

83 100

55 65.0 49.4 74.0

98 46.0 38.4 57.6



#40

Benzene

Concen: 5.317 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VD076772.D

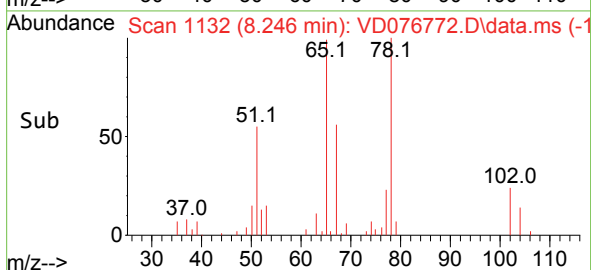
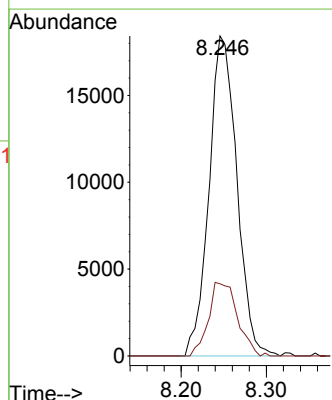
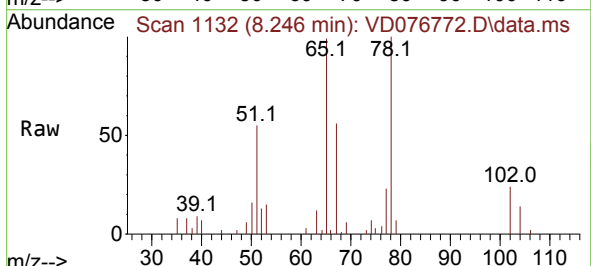
Acq: 18 Jul 2023 12:27

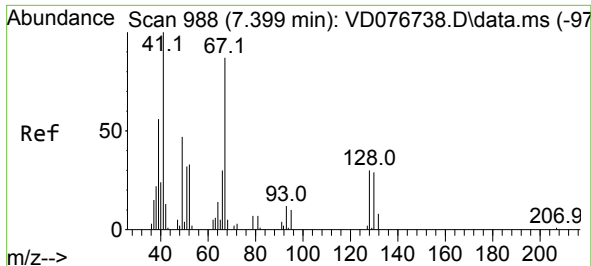
Tgt Ion: 78 Resp: 41824

Ion Ratio Lower Upper

78 100

77 22.5 19.4 29.0

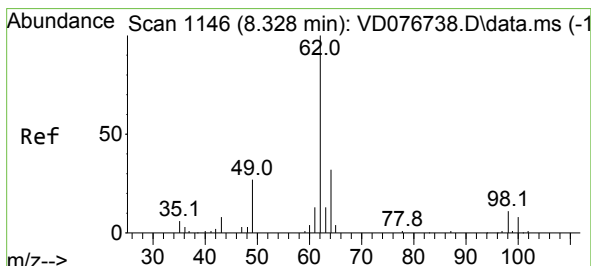
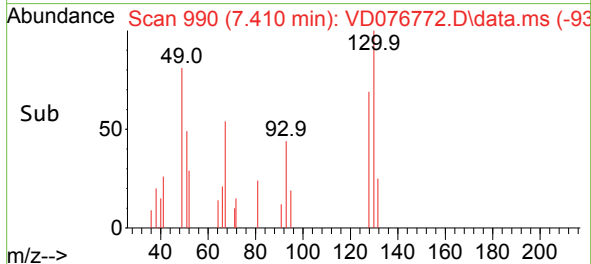
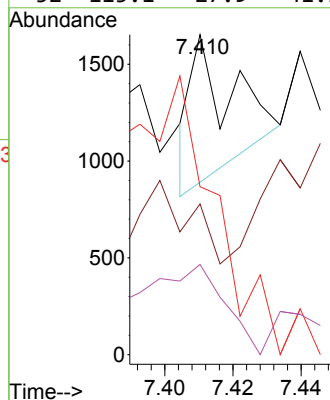
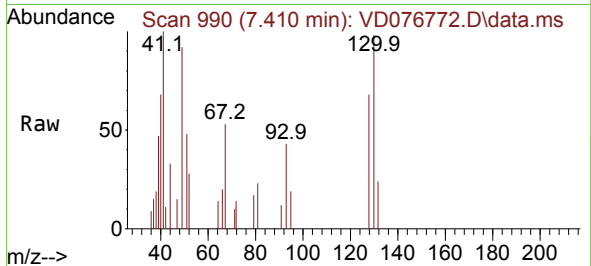




#41
Methacrylonitrile
Concen: 0.912 ug/l
RT: 7.410 min Scan# 990
Delta R.T. 0.011 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

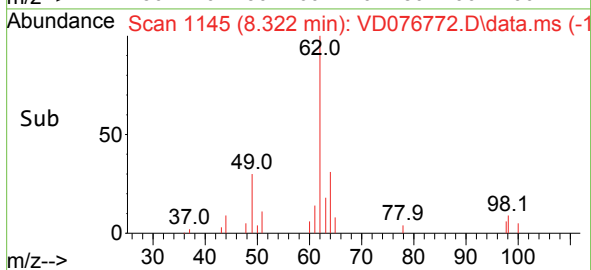
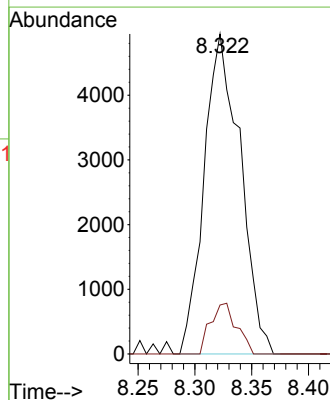
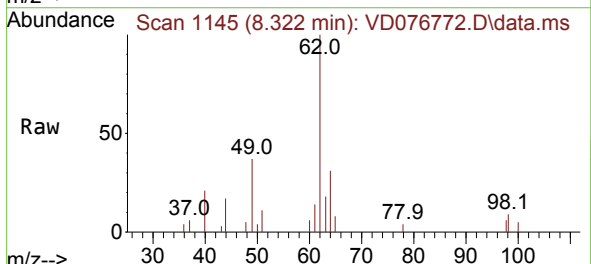
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

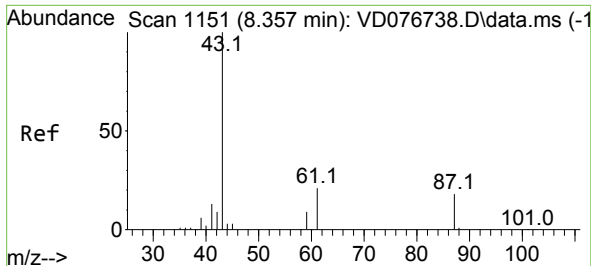
Tgt Ion:	41	Resp:	621
Ion	Ratio	Lower	Upper
41	100		
39	337.0	34.0	51.0#
67	493.9	77.0	115.4#
52	115.1	27.9	41.9#



#42
1,2-Dichloroethane
Concen: 5.349 ug/l
RT: 8.322 min Scan# 1145
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion:	62	Resp:	10932
Ion	Ratio	Lower	Upper
62	100		
98	11.4	0.0	25.4

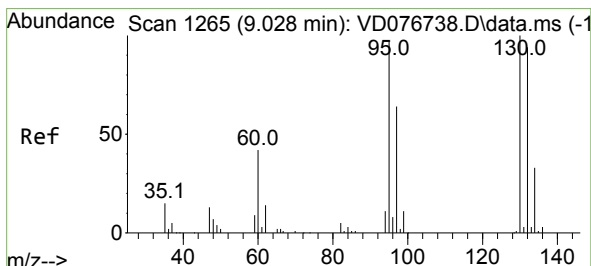
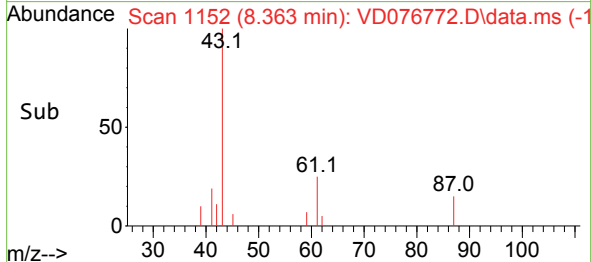
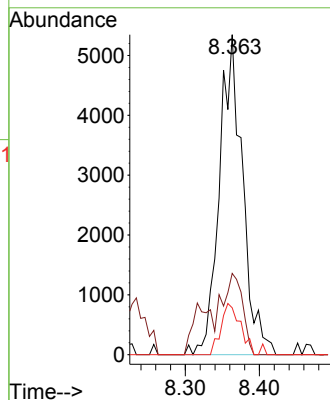
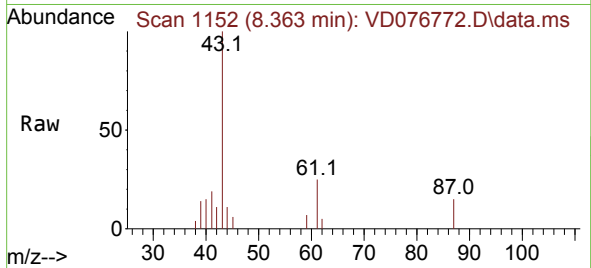




#43
Isopropyl Acetate
Concen: 5.353 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

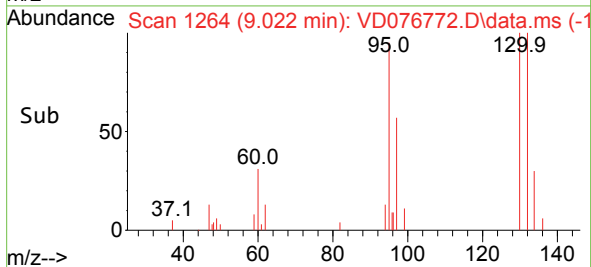
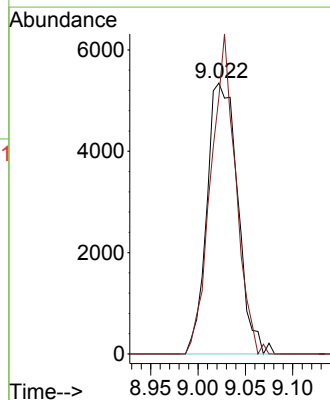
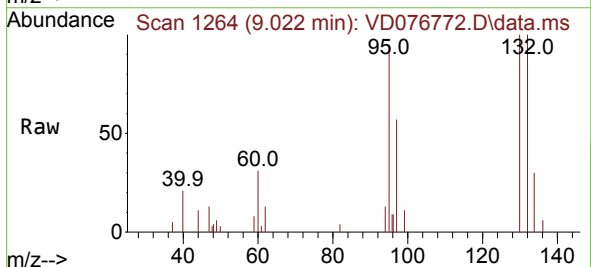
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2023

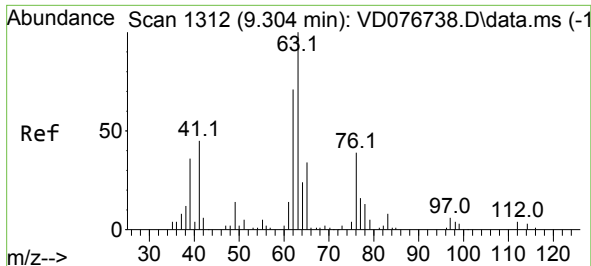
Tgt Ion: 43 Resp: 11647
Ion Ratio Lower Upper
43 100
61 22.1 31.4 47.0#
87 13.4 14.9 22.3#



#44
Trichloroethene
Concen: 5.631 ug/l
RT: 9.022 min Scan# 1264
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion:130 Resp: 12070
Ion Ratio Lower Upper
130 100
95 94.9 0.0 179.2





#45

1,2-Dichloropropane

Concen: 5.532 ug/l

RT: 9.298 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

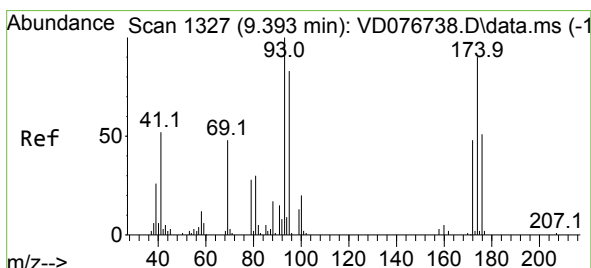
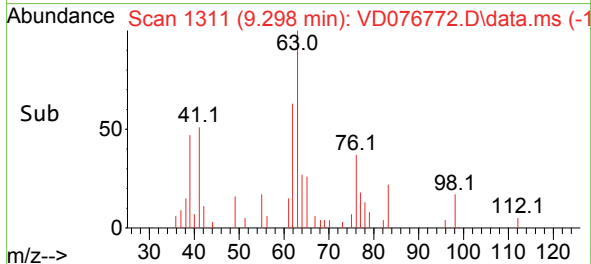
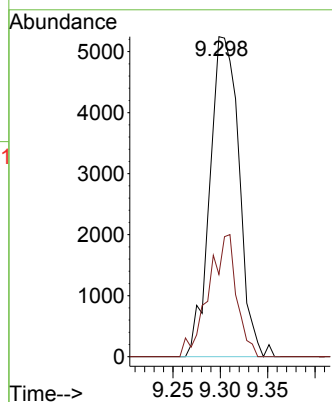
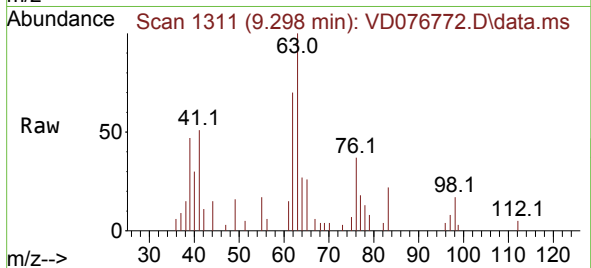
LOQ-SOIL-02-QT3-2023

Tgt Ion: 63 Resp: 11231

Ion Ratio Lower Upper

63 100

65 25.7 24.5 36.7



#46

Dibromomethane

Concen: 5.447 ug/l

RT: 9.387 min Scan# 1326

Delta R.T. -0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

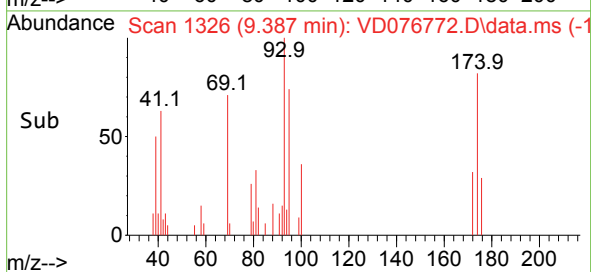
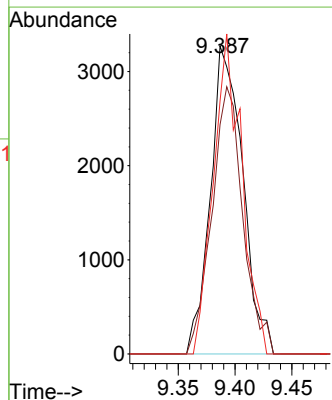
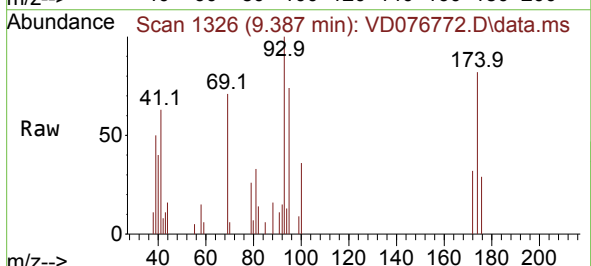
Tgt Ion: 93 Resp: 6473

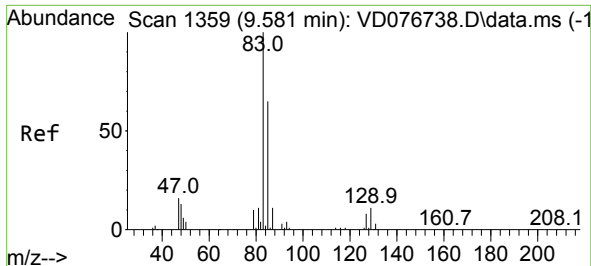
Ion Ratio Lower Upper

93 100

95 83.4 67.7 101.5

174 91.5 85.4 128.2

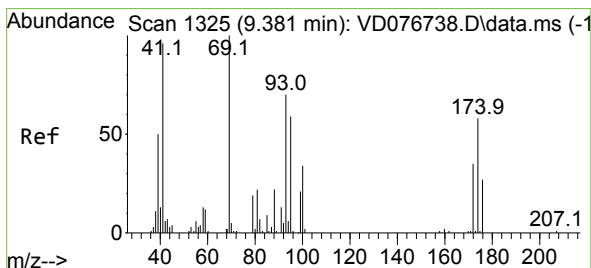
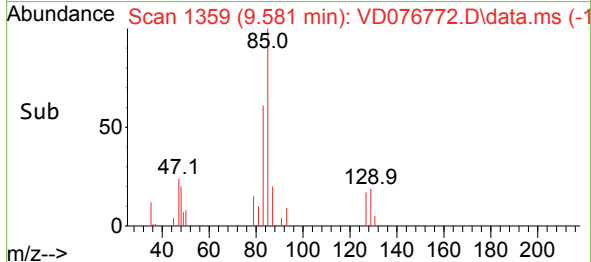
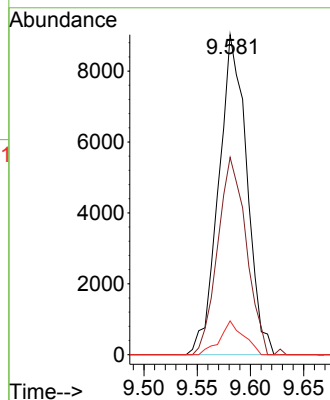
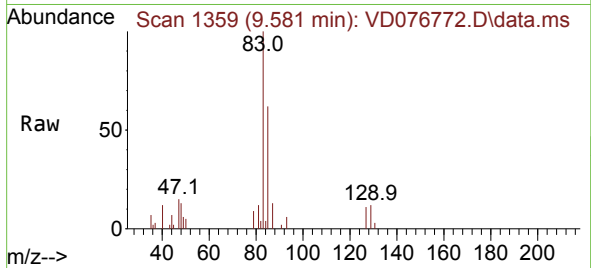




#47
Bromodichloromethane
Concen: 5.547 ug/l
RT: 9.581 min Scan# 1359
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

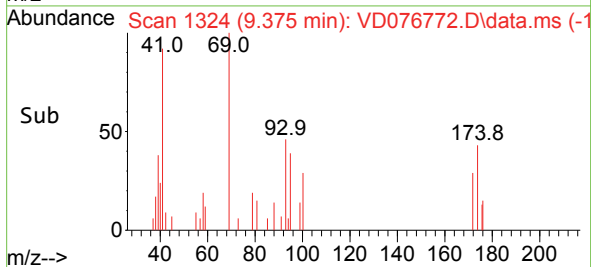
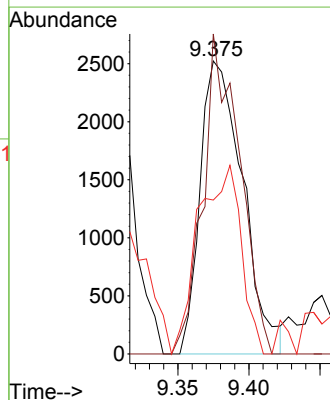
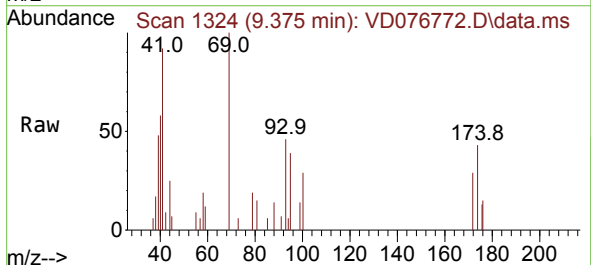
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

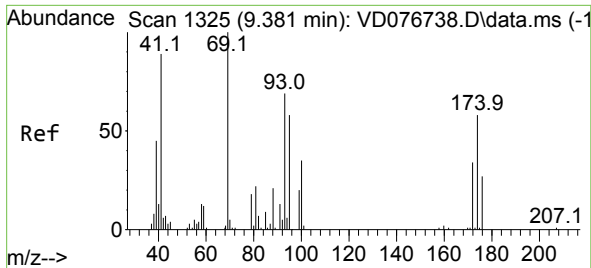
Tgt Ion:	83	Resp:	16544
Ion Ratio	Lower	Upper	
83	100		
85	61.7	50.2	75.4
127	10.6	6.3	9.5#



#48
Methyl methacrylate
Concen: 5.313 ug/l
RT: 9.375 min Scan# 1324
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion:	41	Resp:	5261
Ion Ratio	Lower	Upper	
41	100		
69	94.6	102.2	153.2#
39	64.2	41.4	62.2#

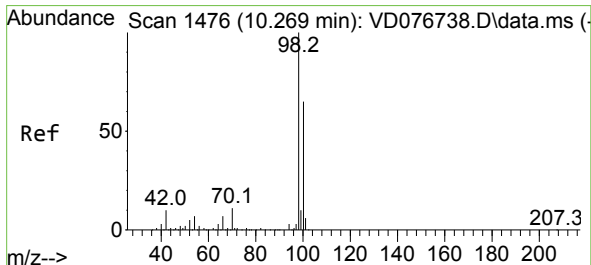
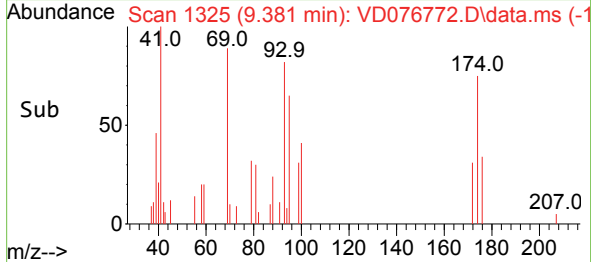
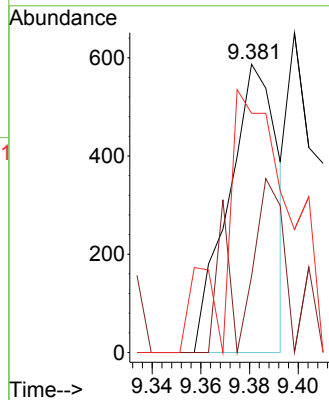
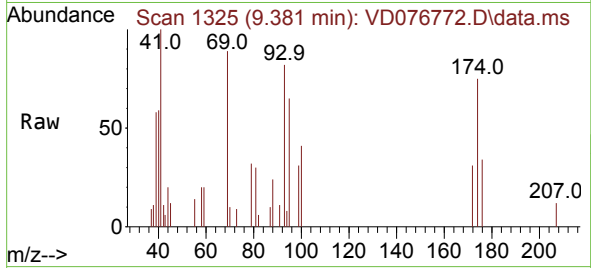




#49
1,4-Dioxane
Concen: 54.314 ug/l
RT: 9.381 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

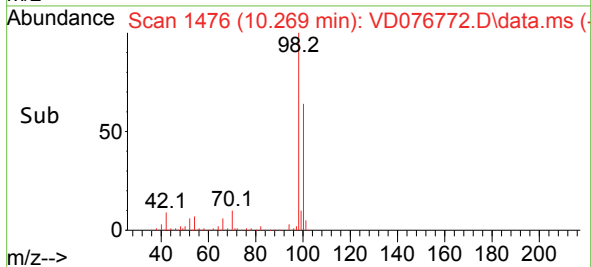
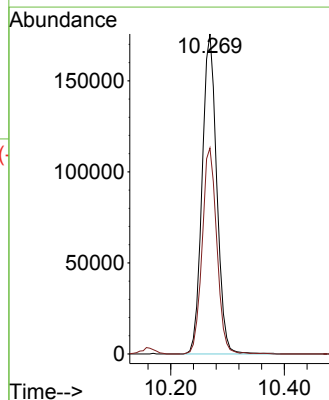
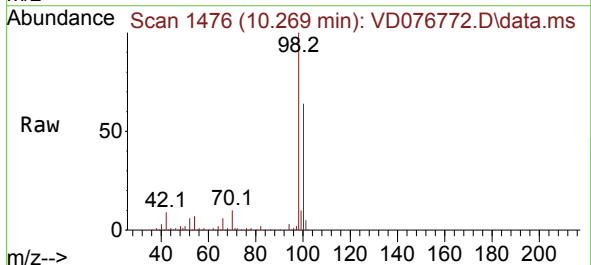
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

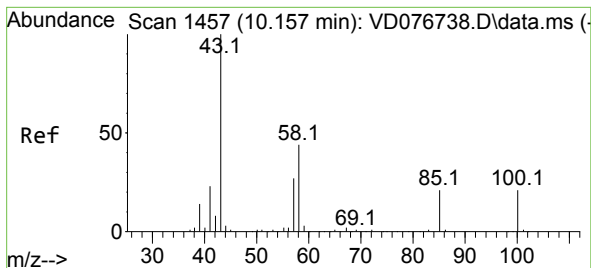
Tgt Ion: 88 Resp: 827
Ion Ratio Lower Upper
88 100
43 41.8 19.0 28.6#
58 117.2 43.5 65.3#



#50
Toluene-d8
Concen: 45.941 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 98 Resp: 313521
Ion Ratio Lower Upper
98 100
100 64.5 50.3 75.5

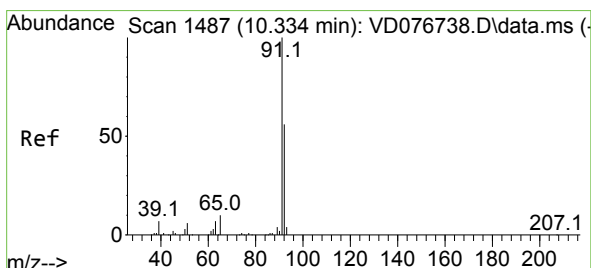
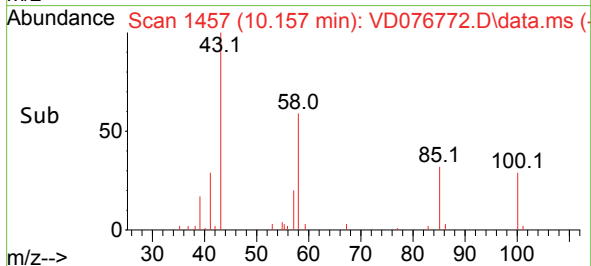
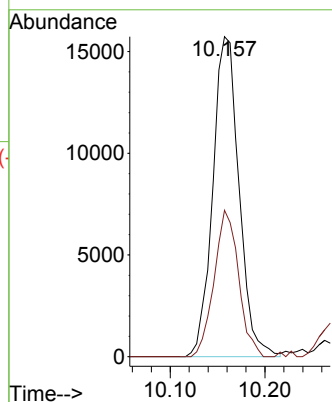
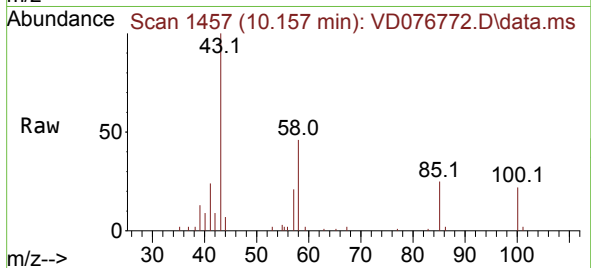




#51
4-Methyl-2-Pentanone
Concen: 26.186 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

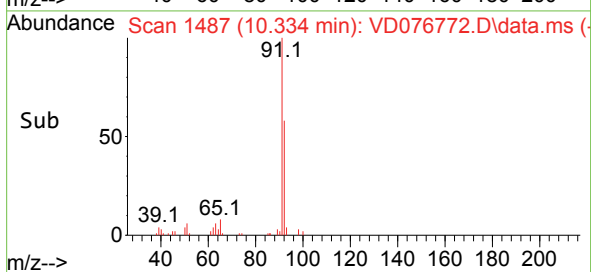
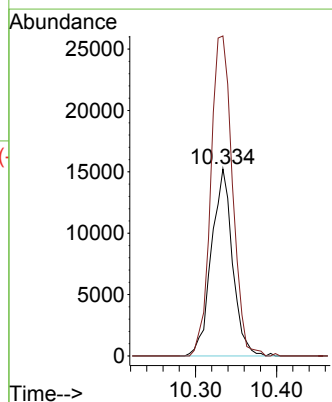
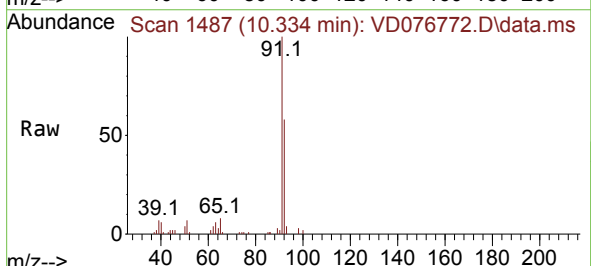
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

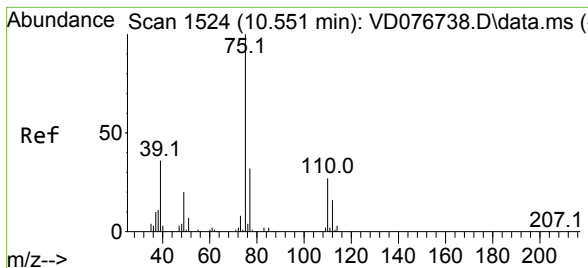
Tgt Ion: 43 Resp: 30334
Ion Ratio Lower Upper
43 100
58 42.5 38.9 58.3



#52
Toluene
Concen: 5.322 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 92 Resp: 27492
Ion Ratio Lower Upper
92 100
91 175.7 143.0 214.4

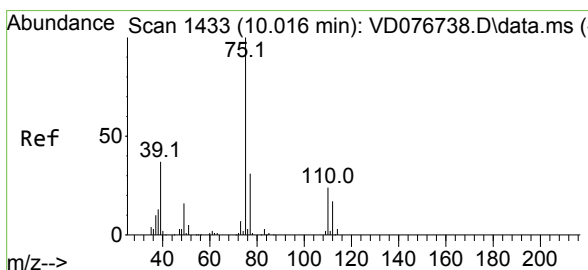
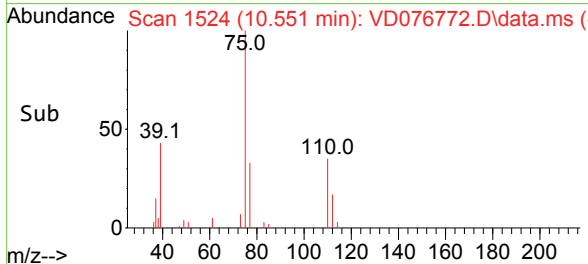
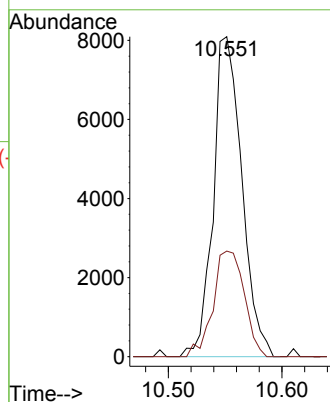
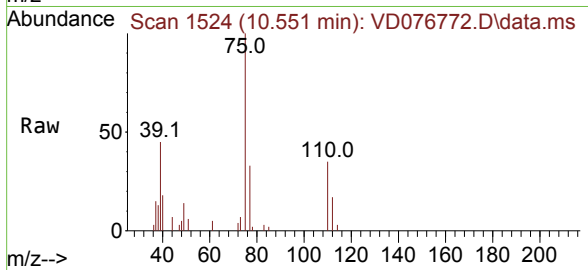




#53
 t-1,3-Dichloropropene
 Concen: 5.112 ug/l
 RT: 10.551 min Scan# 1524
 Delta R.T. 0.000 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

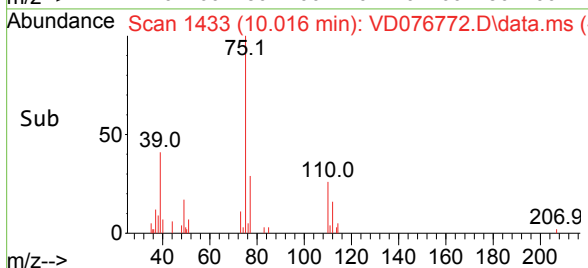
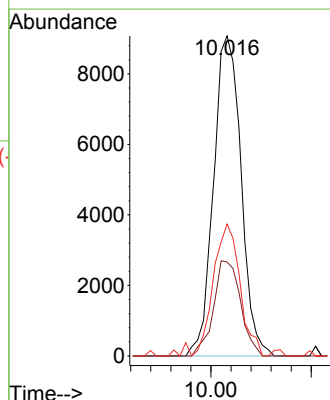
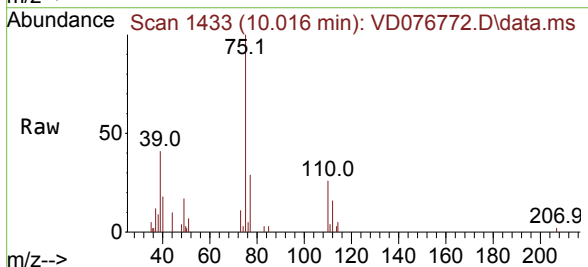
Instrument : MSVOA_D
 ClientSampleId : LOQ-SOIL-02-QT3-2023

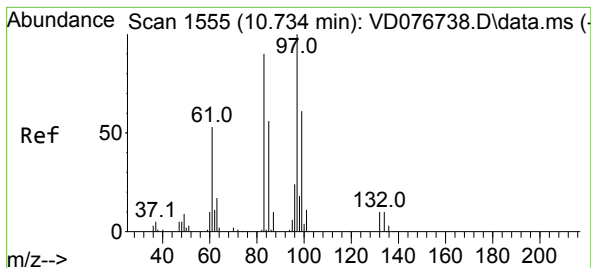
Tgt Ion: 75 Resp: 14152
 Ion Ratio Lower Upper
 75 100
 77 33.0 25.3 37.9



#54
 cis-1,3-Dichloropropene
 Concen: 5.279 ug/l
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

Tgt Ion: 75 Resp: 17223
 Ion Ratio Lower Upper
 75 100
 77 29.3 25.5 38.3
 39 41.2 22.1 33.1#





#55

1,1,2-Trichloroethane

Concen: 5.525 ug/l

RT: 10.734 min Scan# 1555

Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion: 97 Resp: 9589

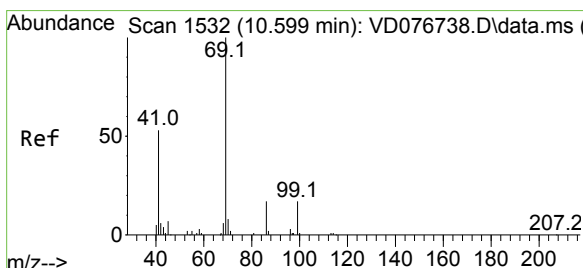
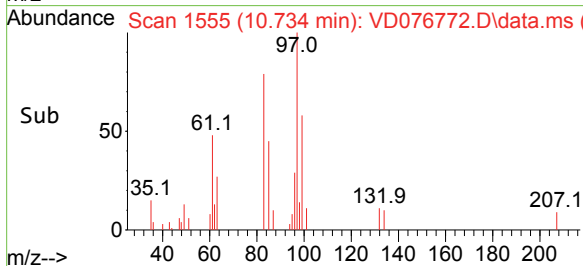
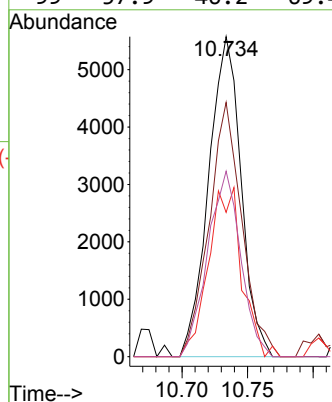
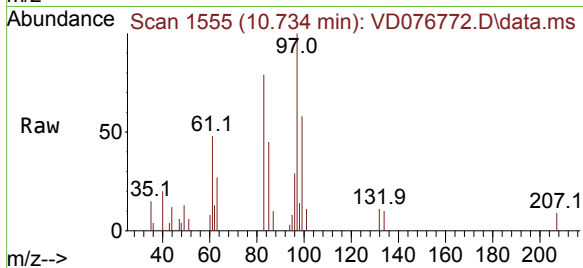
Ion Ratio Lower Upper

97 100

83 79.4 65.8 98.6

85 45.1 45.7 68.5#

99 57.9 46.2 69.4



#56

Ethyl methacrylate

Concen: 4.504 ug/l

RT: 10.598 min Scan# 1532

Delta R.T. -0.001 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

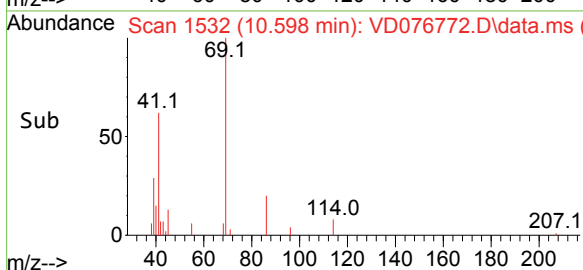
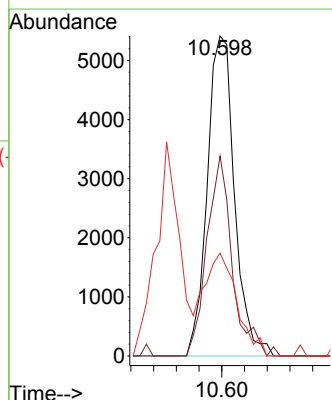
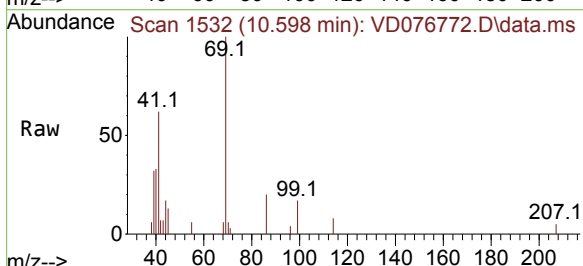
Tgt Ion: 69 Resp: 9022

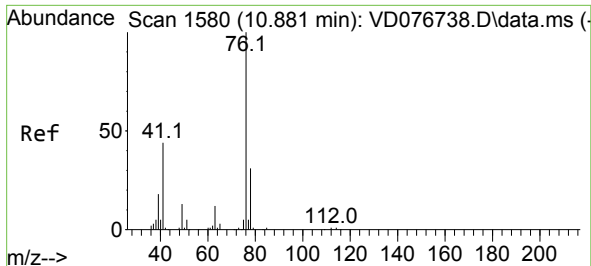
Ion Ratio Lower Upper

69 100

41 58.3 39.1 58.7

39 39.0 20.0 30.0#





#57

1,3-Dichloropropane

Concen: 5.415 ug/l

RT: 10.881 min Scan# 1580

Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

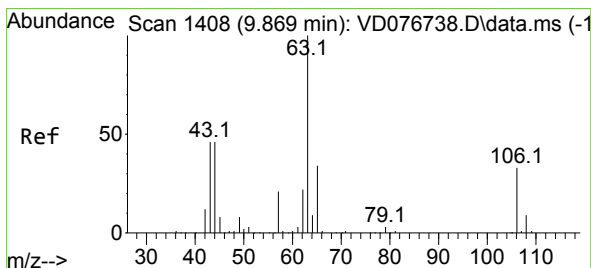
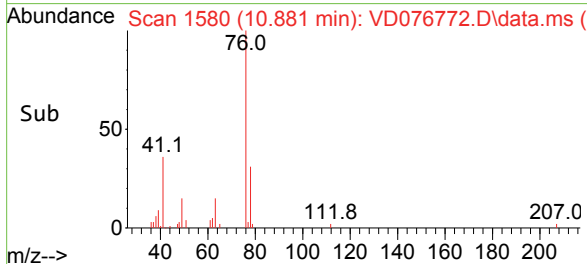
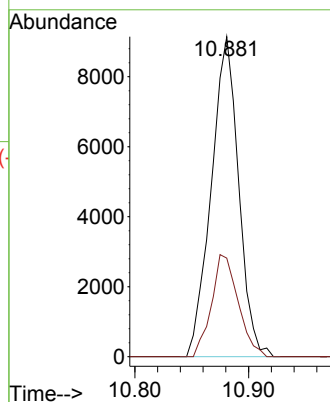
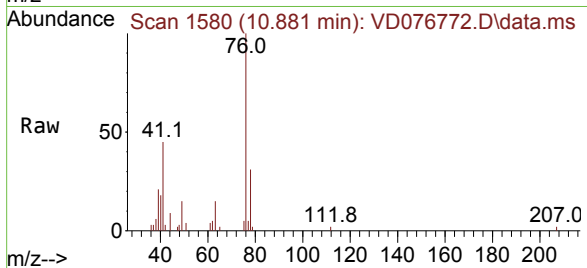
LOQ-SOIL-02-QT3-2023

Tgt Ion: 76 Resp: 15305

Ion Ratio Lower Upper

76 100

78 31.1 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 24.858 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD076772.D

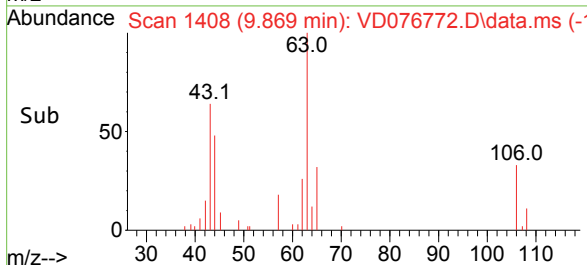
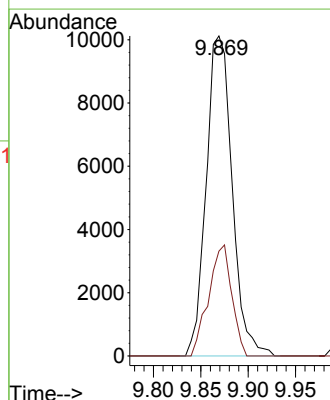
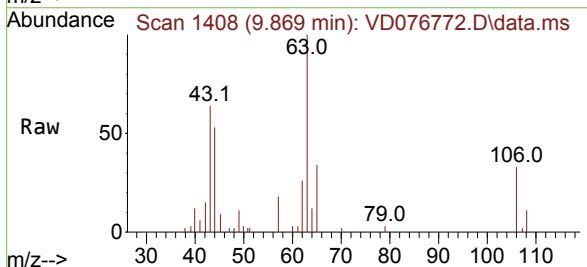
Acq: 18 Jul 2023 12:27

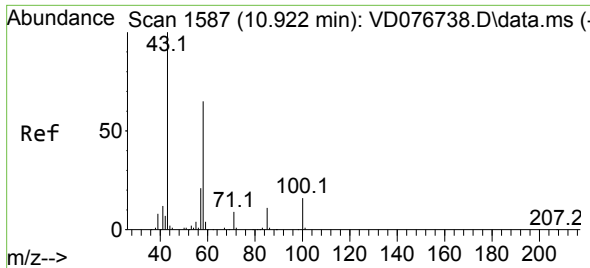
Tgt Ion: 63 Resp: 19273

Ion Ratio Lower Upper

63 100

106 30.9 25.3 37.9

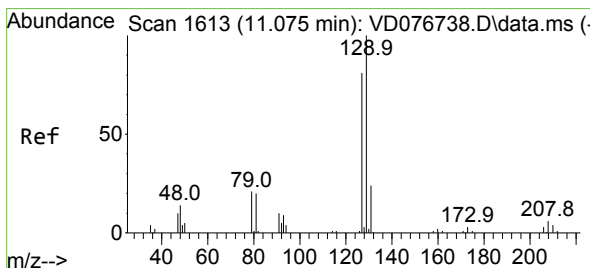
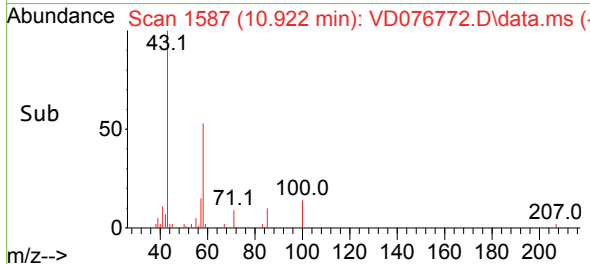
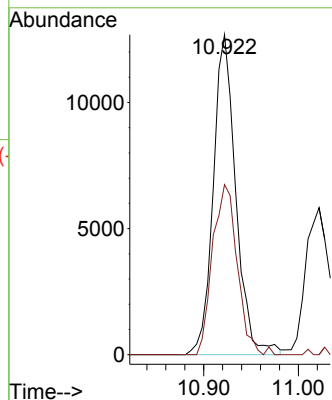
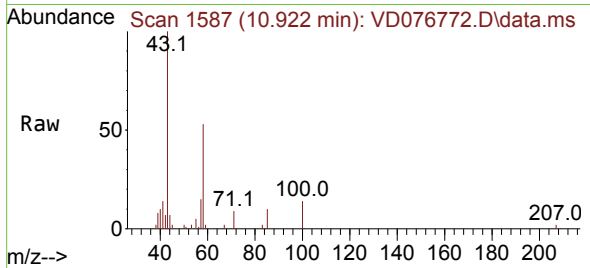




#59
2-Hexanone
Concen: 25.402 ug/l
RT: 10.922 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

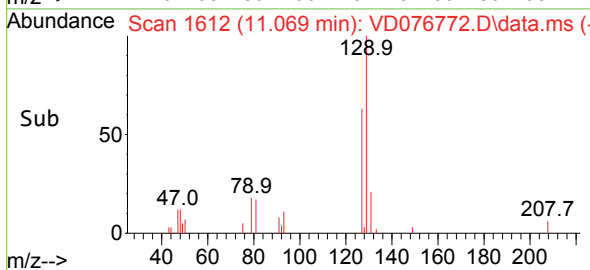
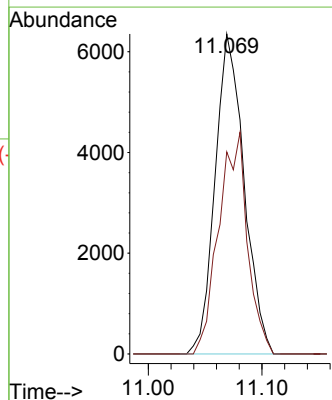
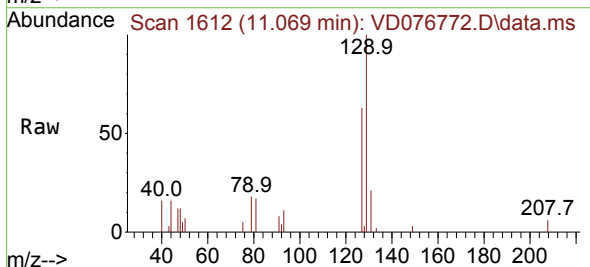
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2023

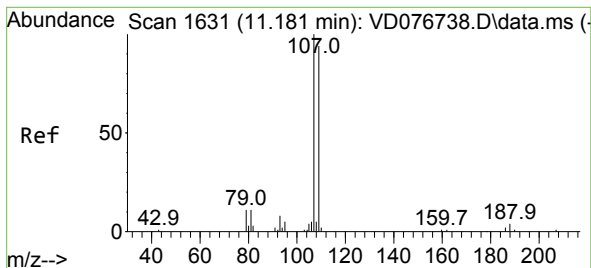
Tgt Ion: 43 Resp: 20996
Ion Ratio Lower Upper
43 100
58 57.7 34.1 102.2



#60
Dibromochloromethane
Concen: 5.594 ug/l
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 129 Resp: 11278
Ion Ratio Lower Upper
129 100
127 68.5 37.1 111.5





#61

1,2-Dibromoethane

Concen: 4.989 ug/l

RT: 11.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

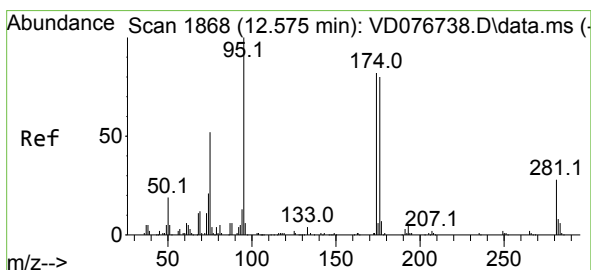
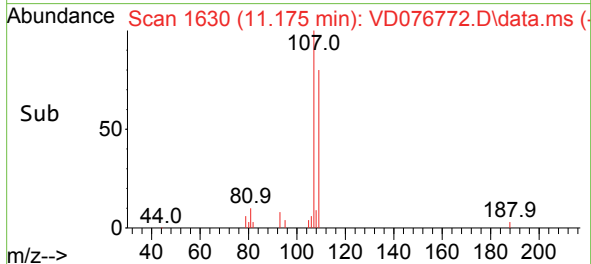
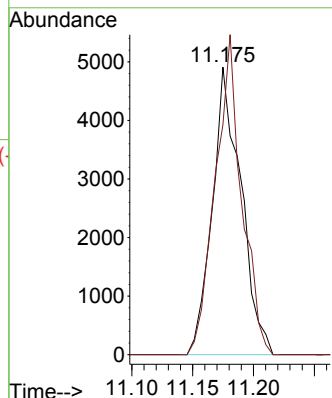
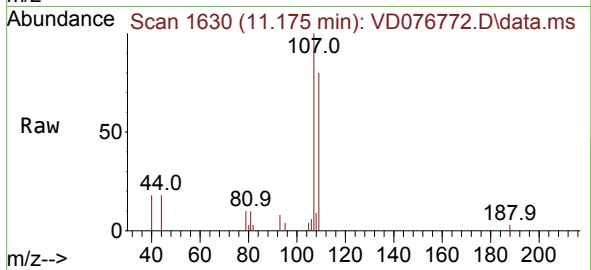
LOQ-SOIL-02-QT3-2023

Tgt Ion:107 Resp: 8027

Ion Ratio Lower Upper

107 100

109 102.8 75.6 113.4



#62

4-Bromofluorobenzene

Concen: 45.741 ug/l

RT: 12.575 min Scan# 1868

Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

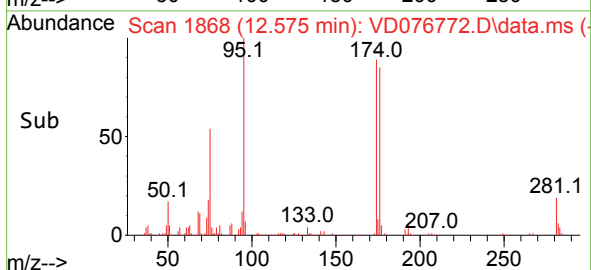
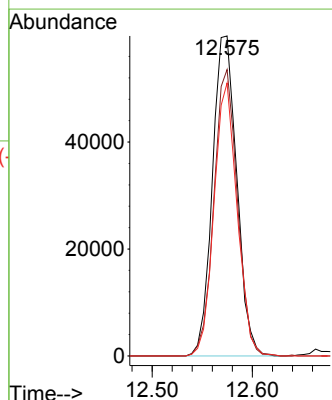
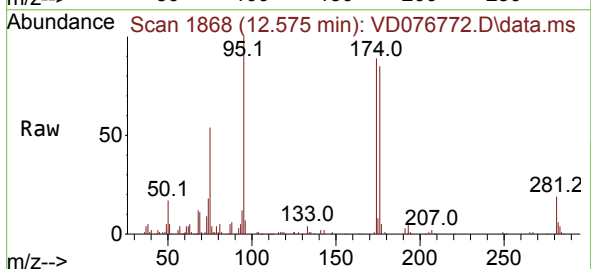
Tgt Ion: 95 Resp: 100983

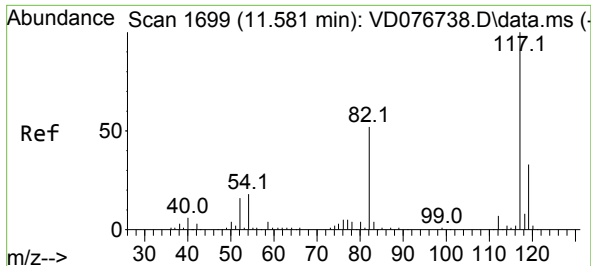
Ion Ratio Lower Upper

95 100

174 86.1 0.0 201.8

176 80.8 0.0 191.8

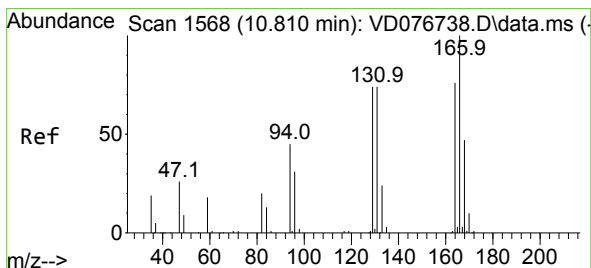
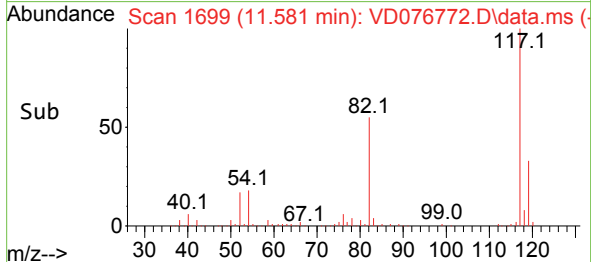
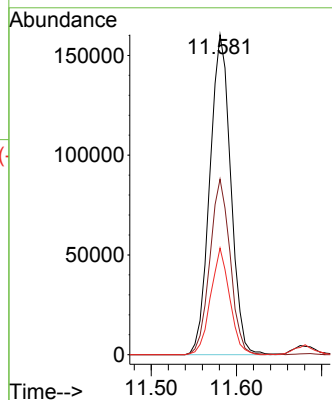
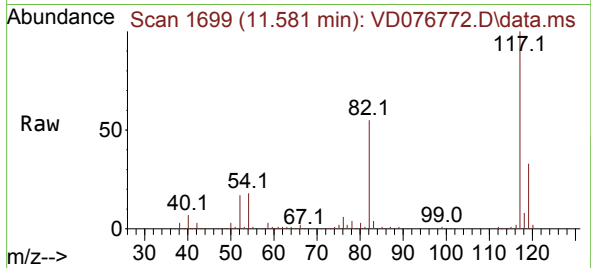




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

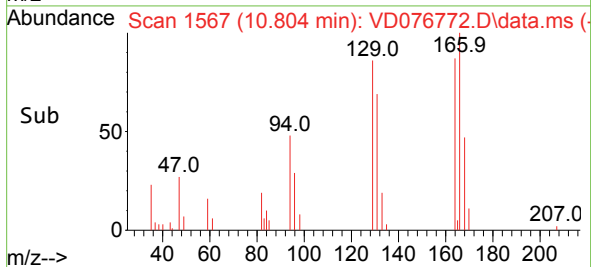
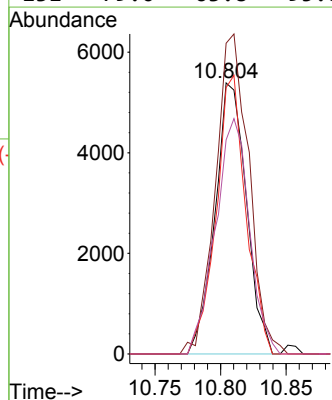
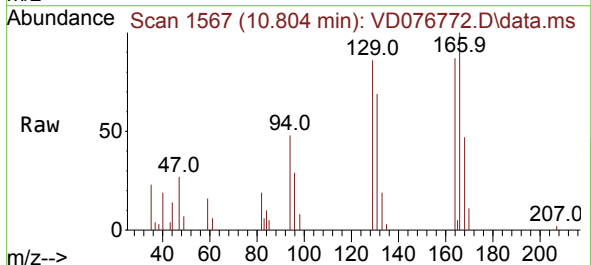
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

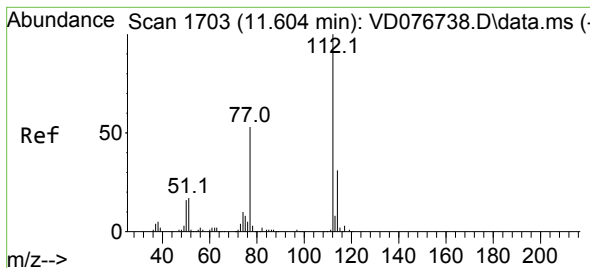
Tgt Ion:117	Resp:	274291
Ion	Ratio	Lower Upper
117	100	
82	54.9	38.3 57.5
119	33.3	25.0 37.4



#64
Tetrachloroethene
Concen: 5.730 ug/l
RT: 10.804 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion:164	Resp:	8962
Ion	Ratio	Lower Upper
164	100	
166	114.6	99.2 148.8
129	98.2	68.4 102.6
131	79.0	63.8 95.8





#65

Chlorobenzene

Concen: 5.452 ug/l

RT: 11.604 min Scan# 1703

Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

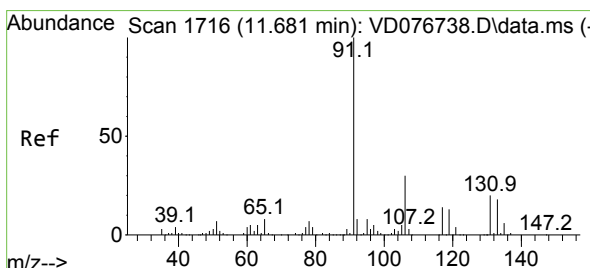
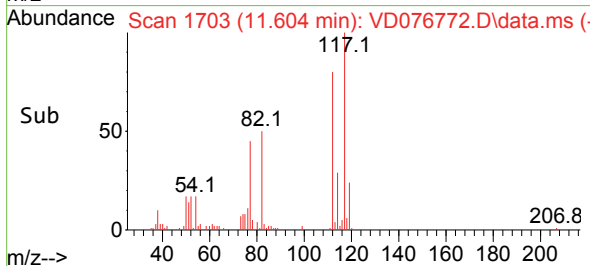
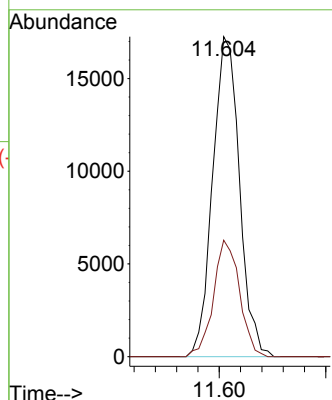
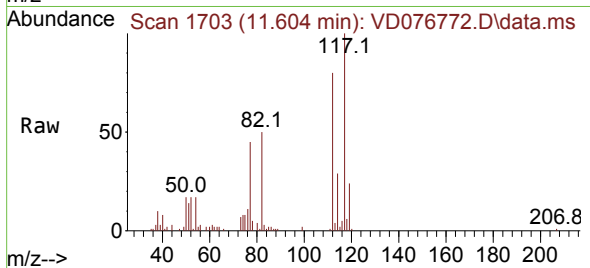
LOQ-SOIL-02-QT3-2023

Tgt Ion:112 Resp: 30074

Ion Ratio Lower Upper

112 100

114 36.4 25.1 37.7



#66

1,1,1,2-Tetrachloroethane

Concen: 5.521 ug/l

RT: 11.675 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

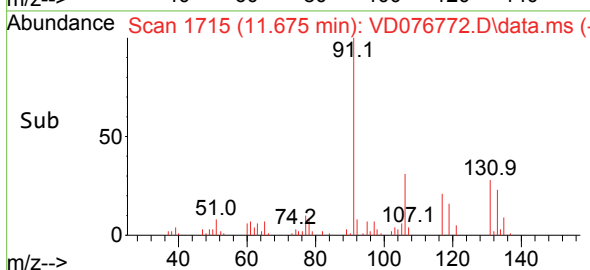
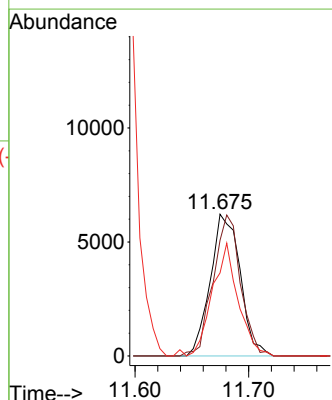
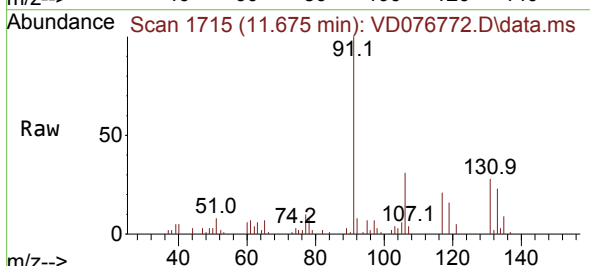
Tgt Ion:131 Resp: 11339

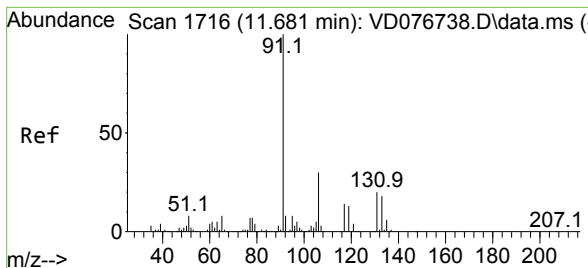
Ion Ratio Lower Upper

131 100

133 91.7 48.5 145.5

119 69.2 35.6 106.9





#67

Ethyl Benzene

Concen: 5.195 ug/l

RT: 11.681 min Scan# 1716

Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

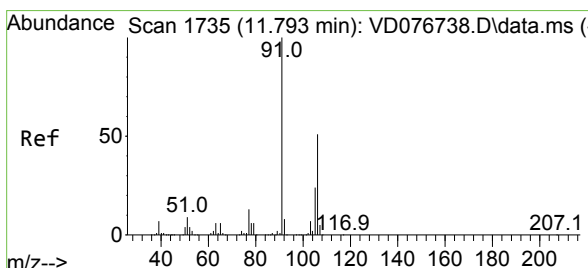
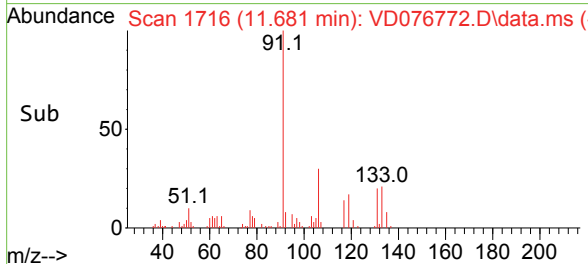
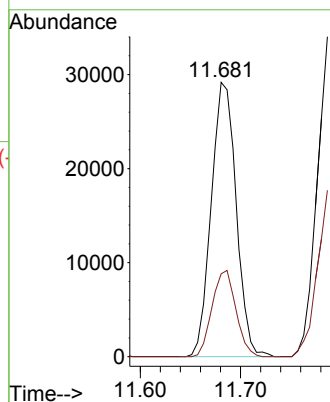
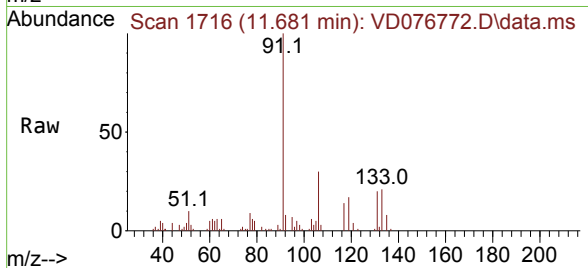
LOQ-SOIL-02-QT3-2023

Tgt Ion: 91 Resp: 50331

Ion Ratio Lower Upper

91 100

106 30.2 26.5 39.7



#68

m/p-Xylenes

Concen: 10.236 ug/l

RT: 11.792 min Scan# 1735

Delta R.T. -0.001 min

Lab File: VD076772.D

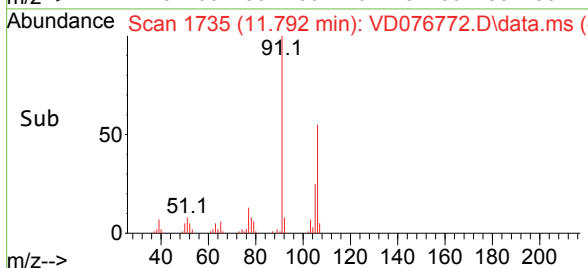
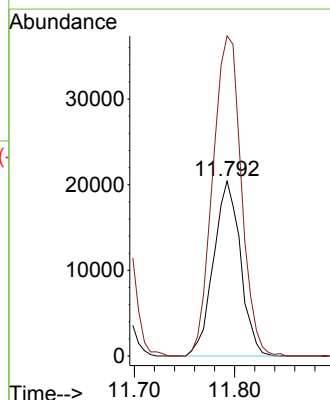
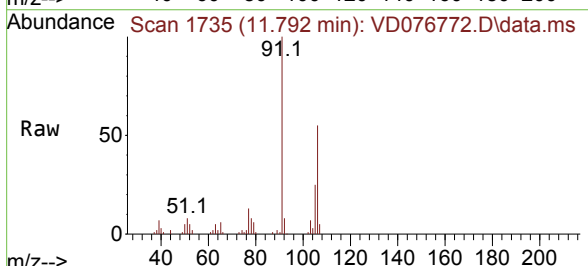
Acq: 18 Jul 2023 12:27

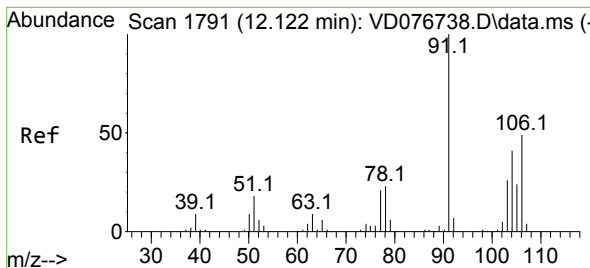
Tgt Ion:106 Resp: 38088

Ion Ratio Lower Upper

106 100

91 194.2 147.0 220.6





#69

o-Xylene

Concen: 5.044 ug/l

RT: 12.122 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

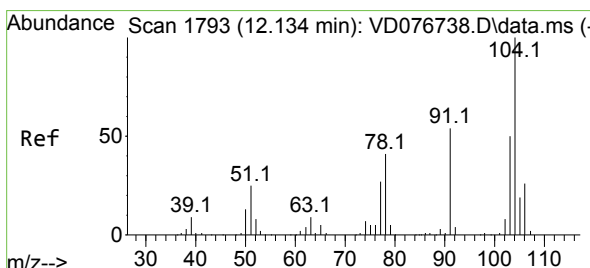
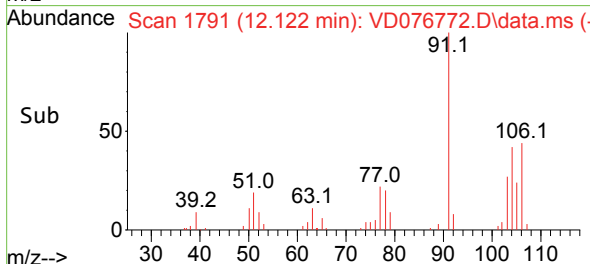
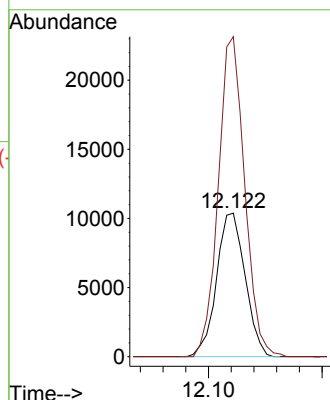
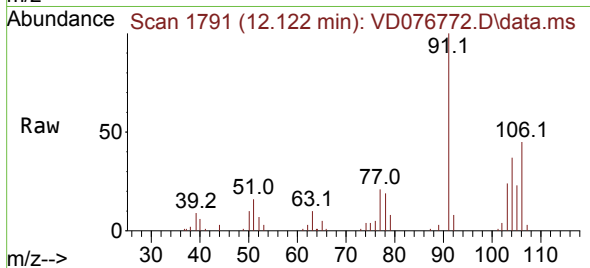
LOQ-SOIL-02-QT3-2023

Tgt Ion:106 Resp: 18148

Ion Ratio Lower Upper

106 100

91 205.7 97.9 293.6



#70

Styrene

Concen: 4.727 ug/l

RT: 12.134 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

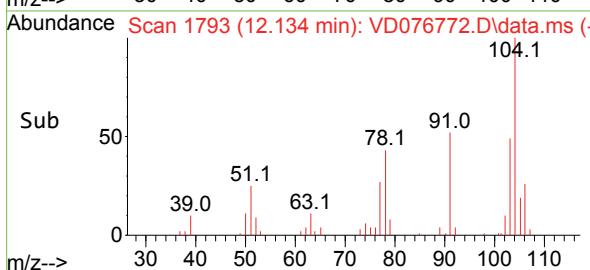
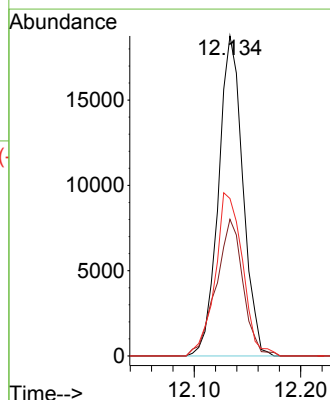
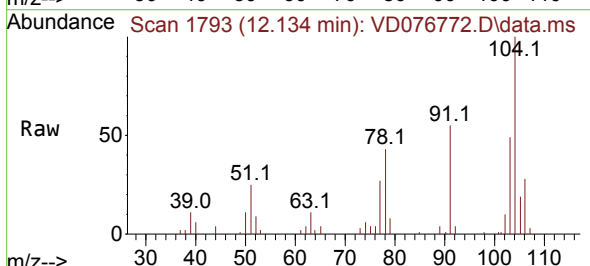
Tgt Ion:104 Resp: 29772

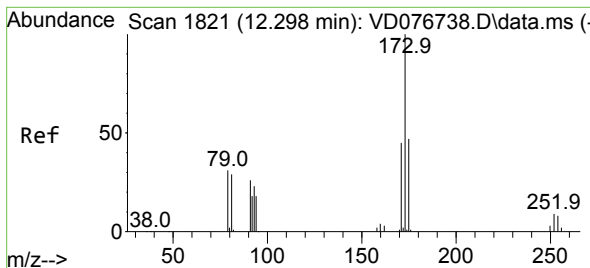
Ion Ratio Lower Upper

104 100

78 47.3 33.2 49.8

103 57.3 43.6 65.4





#71

Bromoform

Concen: 6.004 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

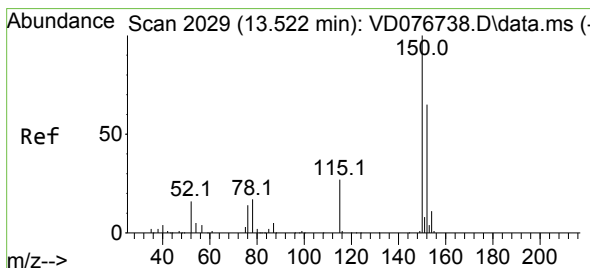
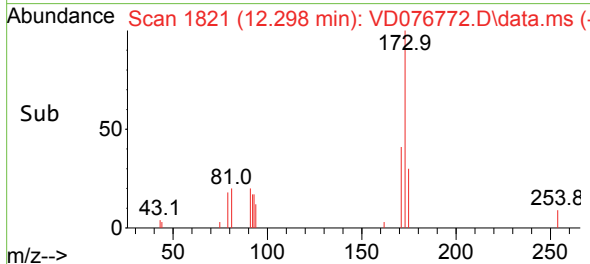
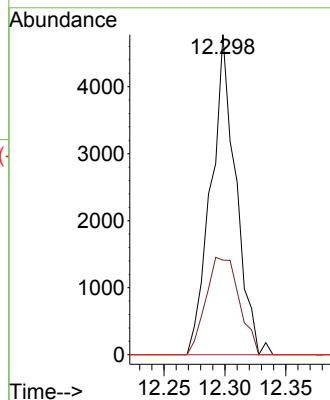
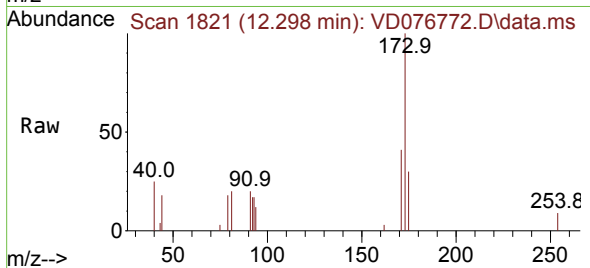
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion:	173	Resp:	6754
Ion Ratio	Lower	Upper	
173	100		
175	40.9	24.6	73.8
254	0.0	0.0	0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

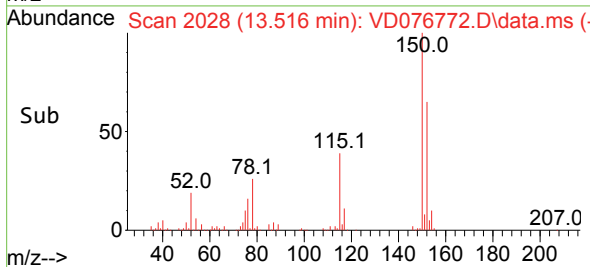
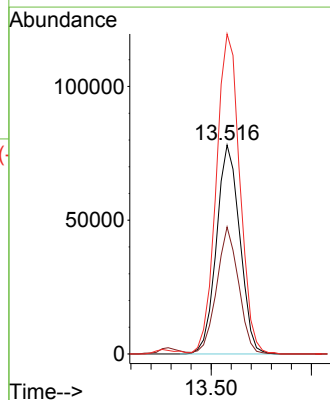
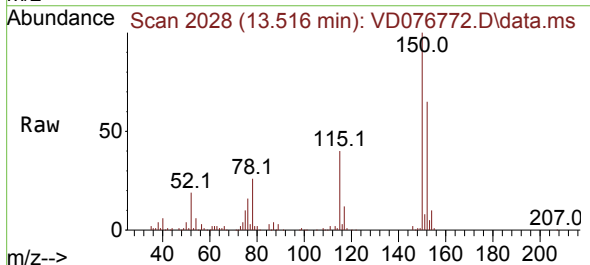
RT: 13.516 min Scan# 2028

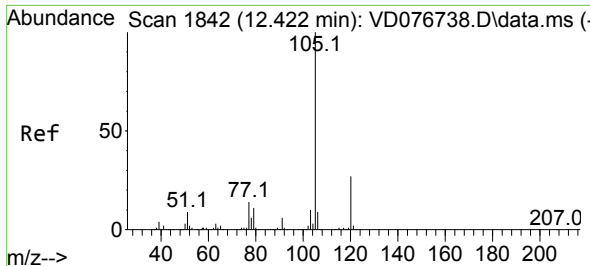
Delta R.T. -0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Tgt Ion:	152	Resp:	126072
Ion Ratio	Lower	Upper	
152	100		
115	57.1	27.1	81.3
150	155.0	0.0	353.6

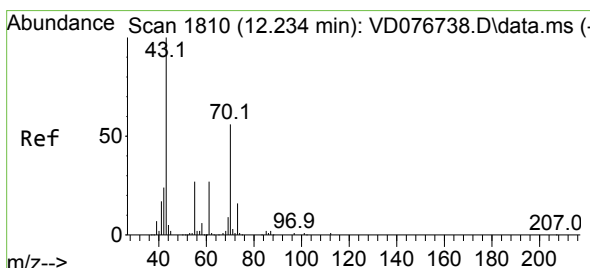
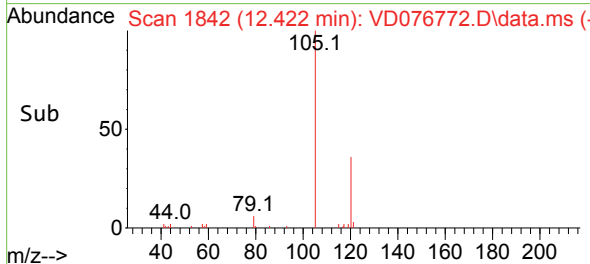
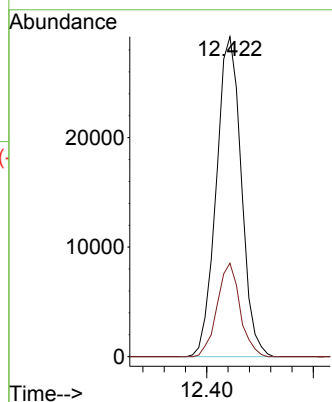
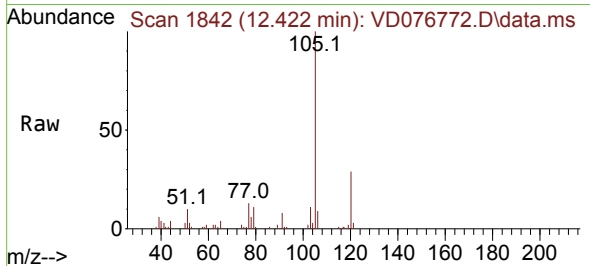




#73
Isopropylbenzene
Concen: 5.195 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

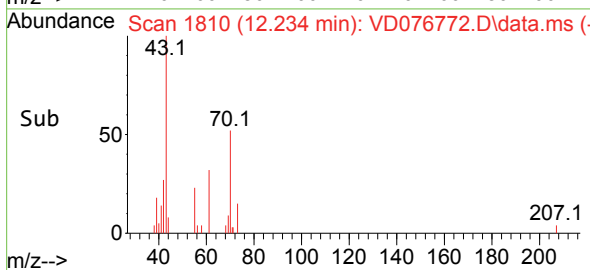
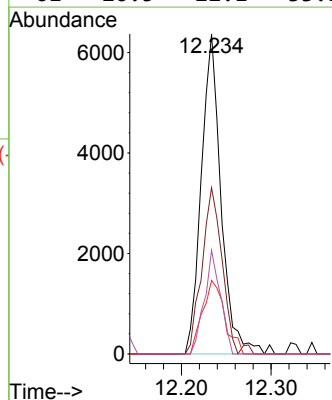
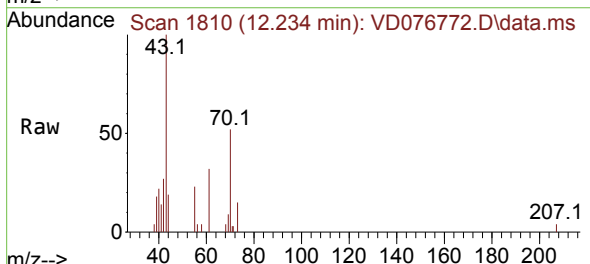
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

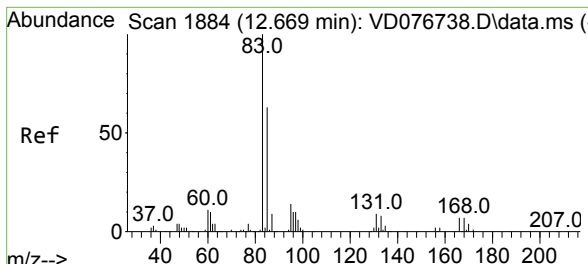
Tgt Ion:105 Resp: 47522
Ion Ratio Lower Upper
105 100
120 26.8 14.3 42.9



#74
N-ethyl acetate
Concen: 5.070 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 43 Resp: 9769
Ion Ratio Lower Upper
43 100
70 53.4 45.0 67.4
55 25.6 23.8 35.6
61 26.5 22.1 33.1

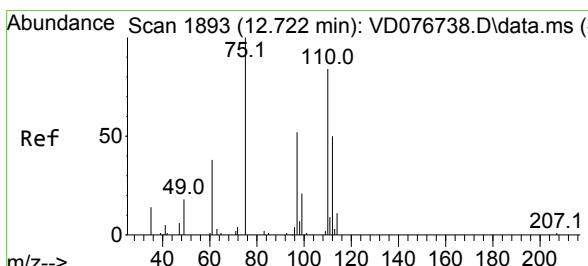
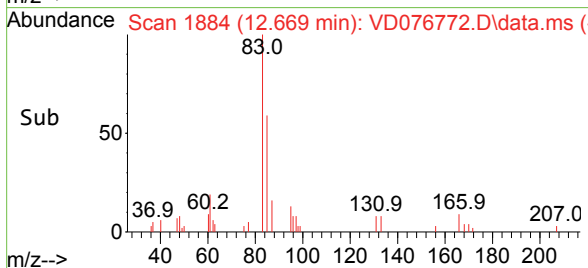
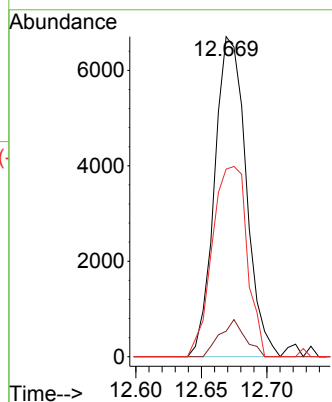
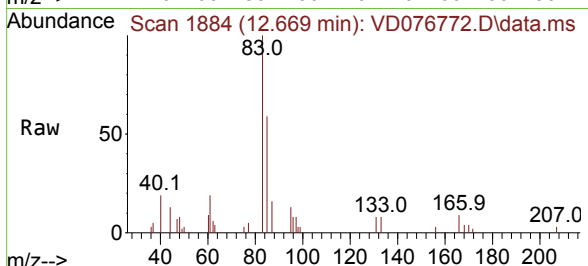




#75
 1,1,2,2-Tetrachloroethane
 Concen: 5.702 ug/l
 RT: 12.669 min Scan# 1884
 Delta R.T. -0.000 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

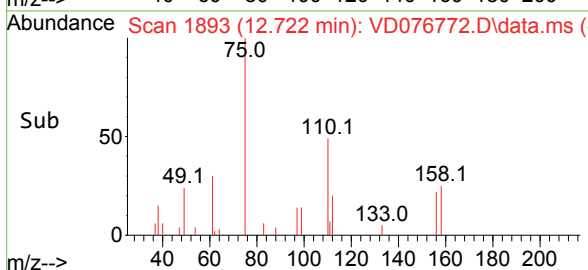
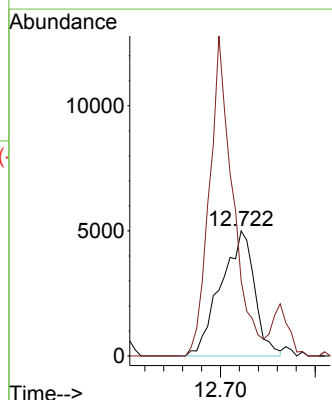
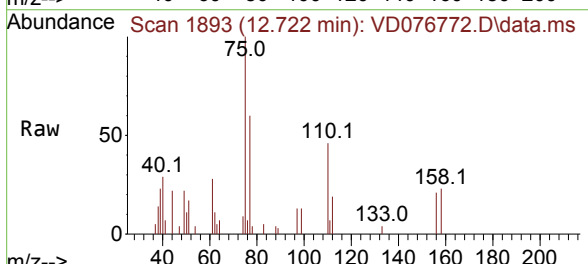
Instrument : MSVOA_D
 ClientSampleId : LOQ-SOIL-02-QT3-2023

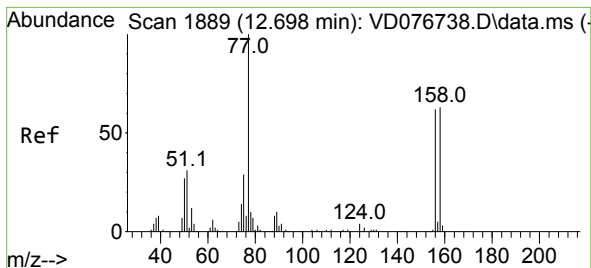
Tgt Ion:	83	Resp:	11199
Ion	Ratio	Lower	Upper
83	100		
131	9.4	5.1	15.3
85	65.6	32.6	97.8



#76
 1,2,3-Trichloropropane
 Concen: 10.317 ug/l
 RT: 12.722 min Scan# 1893
 Delta R.T. -0.000 min
 Lab File: VD076772.D
 Acq: 18 Jul 2023 12:27

Tgt Ion:	75	Resp:	12369
Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0





#77

Bromobenzene

Concen: 5.384 ug/l

RT: 12.698 min Scan# 1889

Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

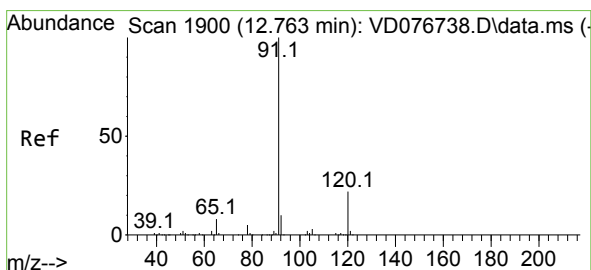
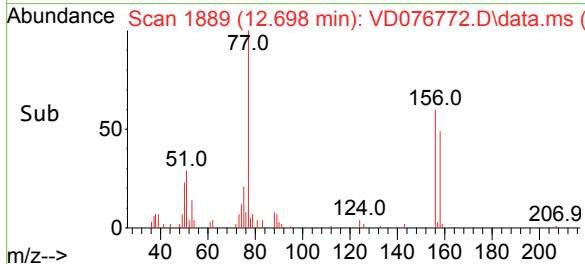
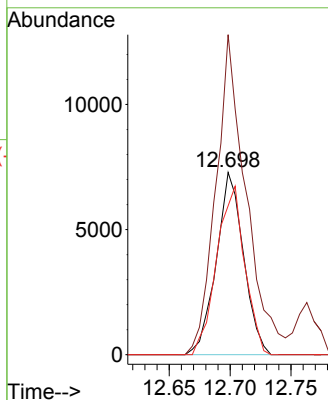
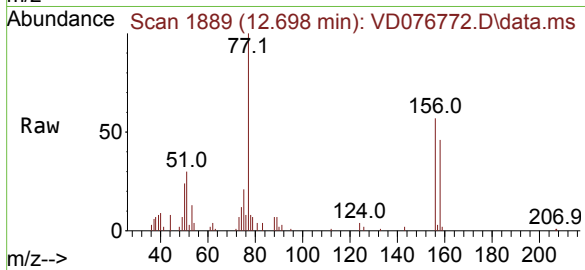
Tgt Ion:156 Resp: 11368

Ion Ratio Lower Upper

156 100

77 193.9 76.8 230.4

158 95.4 48.6 145.9



#78

n-propylbenzene

Concen: 5.300 ug/l

RT: 12.763 min Scan# 1900

Delta R.T. -0.000 min

Lab File: VD076772.D

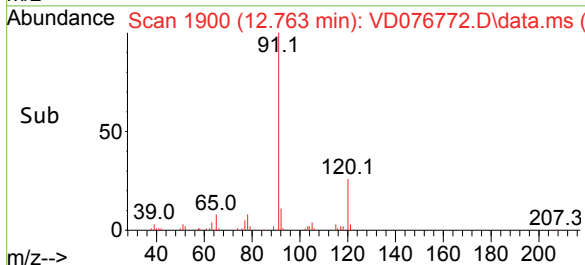
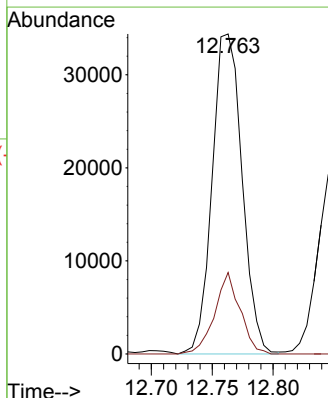
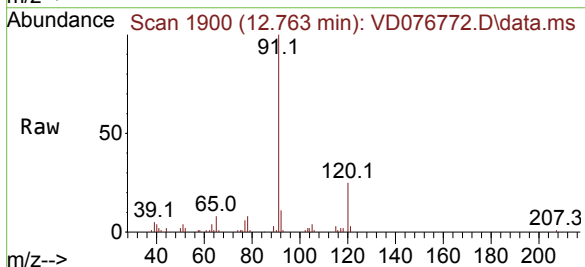
Acq: 18 Jul 2023 12:27

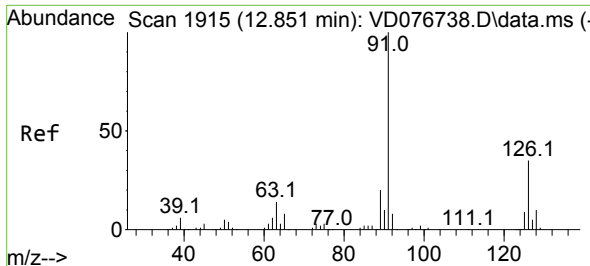
Tgt Ion: 91 Resp: 58768

Ion Ratio Lower Upper

91 100

120 21.6 12.4 37.2

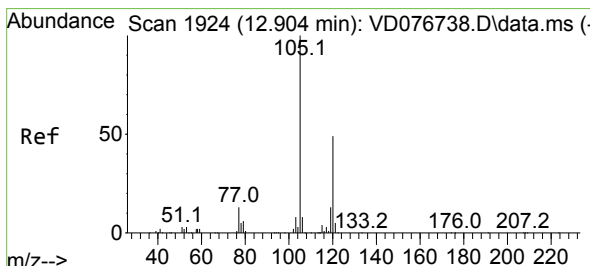
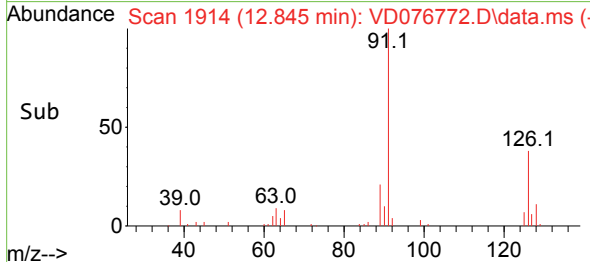
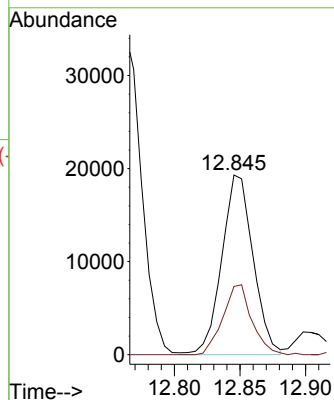
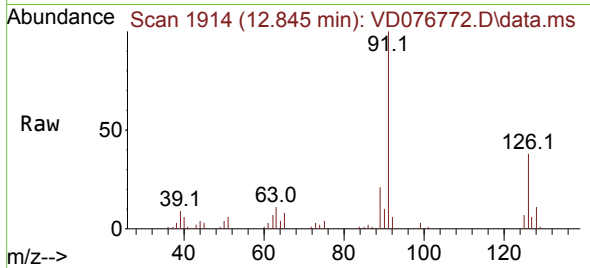




#79
2-Chlorotoluene
Concen: 5.270 ug/l
RT: 12.845 min Scan# 1915
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

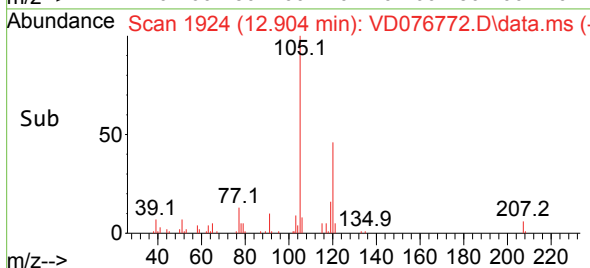
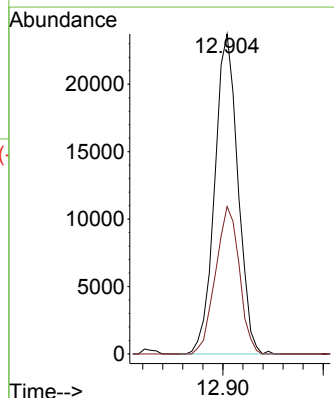
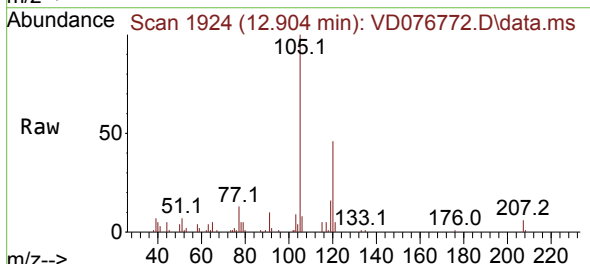
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

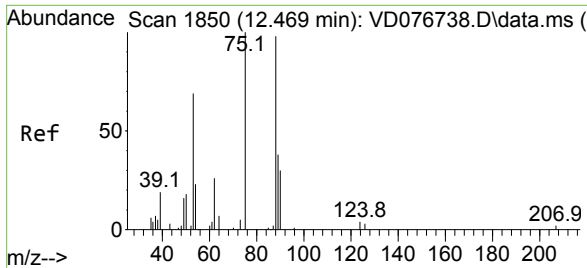
Tgt Ion: 91 Resp: 32044
Ion Ratio Lower Upper
91 100
126 36.1 19.4 58.1



#80
1,3,5-Trimethylbenzene
Concen: 5.138 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion: 105 Resp: 38000
Ion Ratio Lower Upper
105 100
120 47.3 26.4 79.2

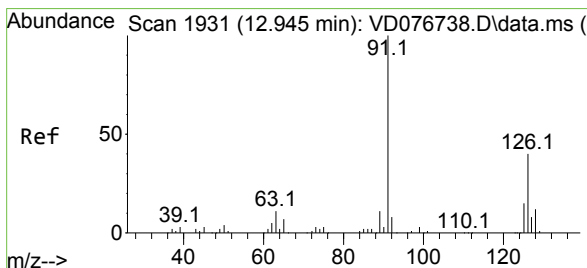
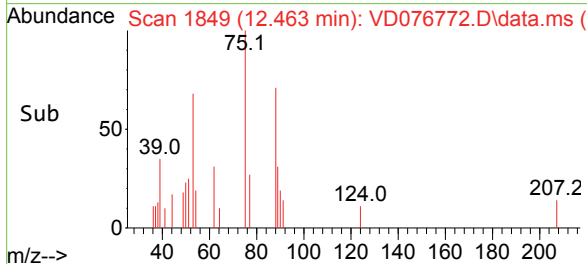
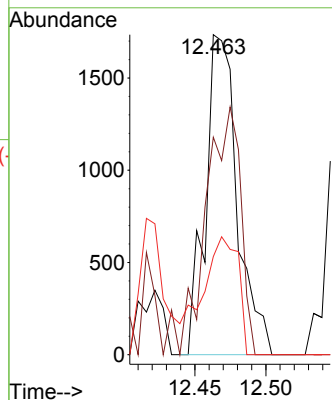
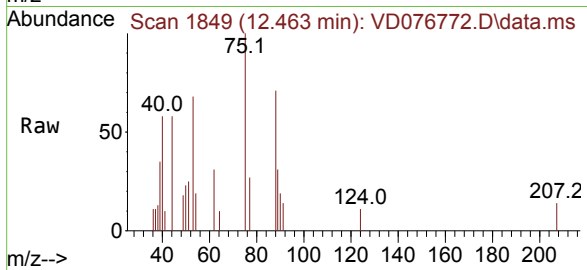




#81
trans-1,4-Dichloro-2-butene
Concen: 4.780 ug/l
RT: 12.463 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

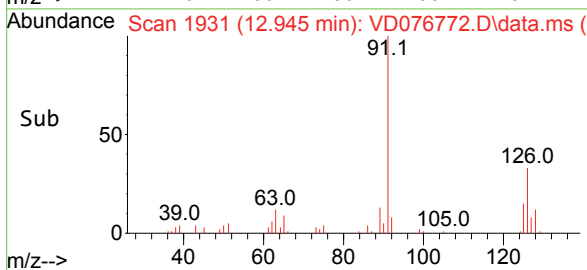
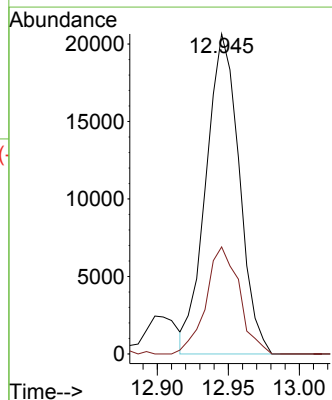
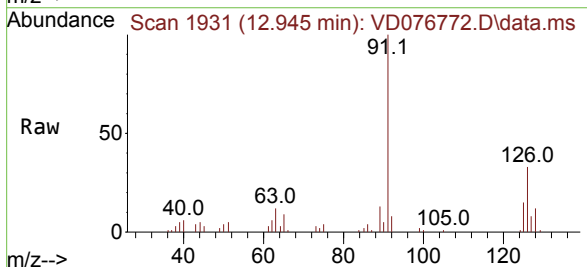
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

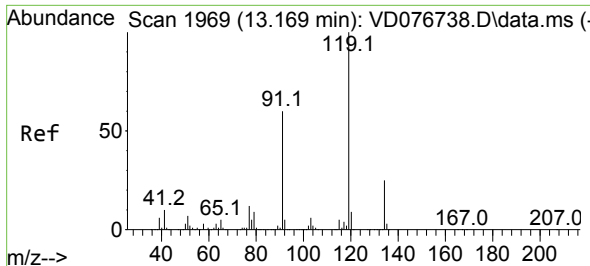
Tgt Ion:	75	Resp:	2693
Ion	Ratio	Lower	Upper
75	100		
53	83.3	63.0	94.4
89	41.4	37.9	56.9



#82
4-Chlorotoluene
Concen: 5.294 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion:	91	Resp:	33628
Ion	Ratio	Lower	Upper
91	100		
126	33.5	19.4	58.4

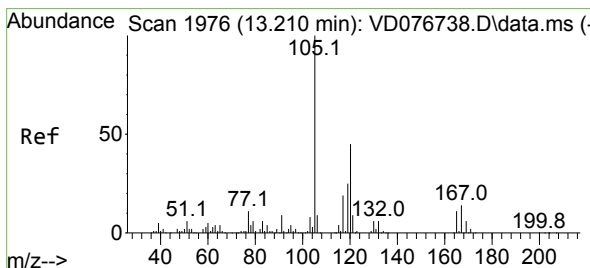
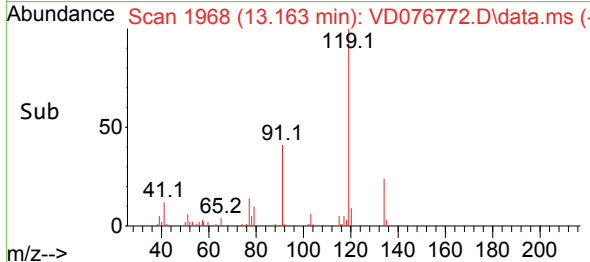
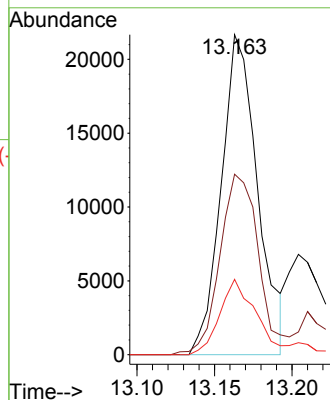
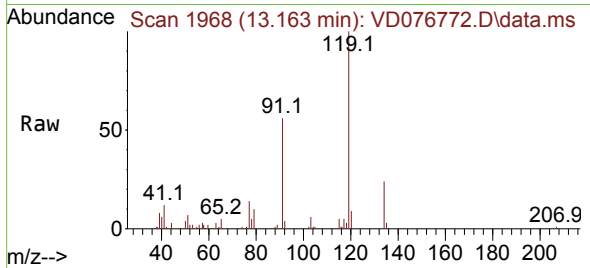




#83
tert-Butylbenzene
Concen: 5.433 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

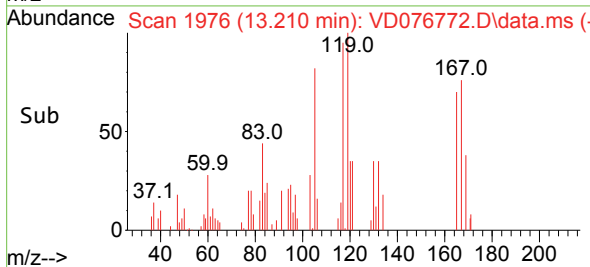
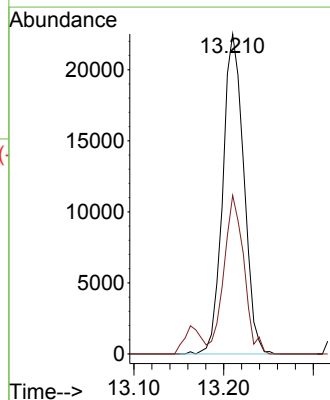
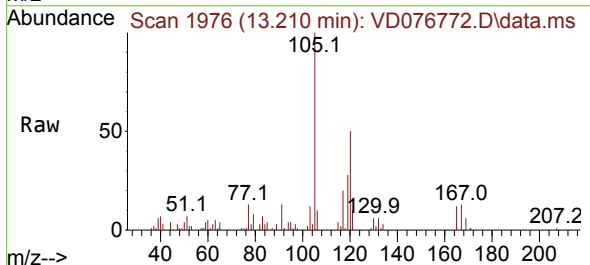
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2023

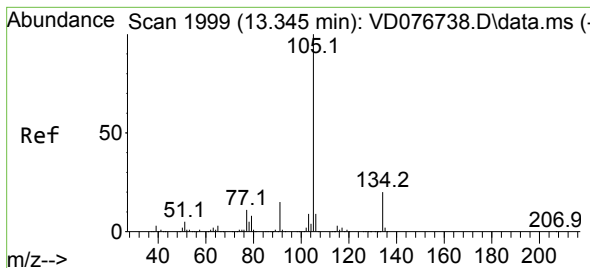
Tgt Ion:	119	Resp:	35382
Ion Ratio	Lower	Upper	
119	100		
91	60.3	29.3	87.8
134	23.5	14.1	42.3



#84
1,2,4-Trimethylbenzene
Concen: 4.838 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion:	105	Resp:	36563
Ion Ratio	Lower	Upper	
105	100		
120	47.4	24.3	72.9





#85

sec-Butylbenzene

Concen: 5.226 ug/l

RT: 13.345 min Scan# 1999

Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

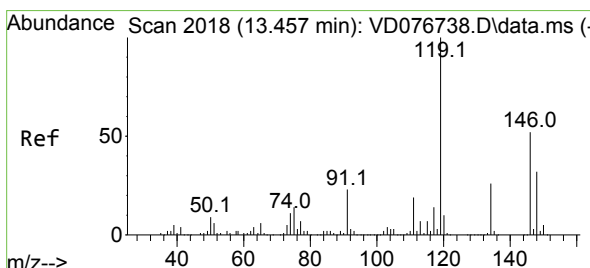
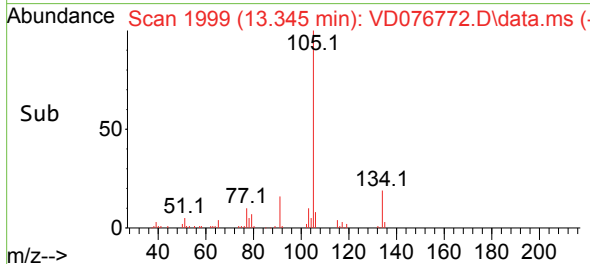
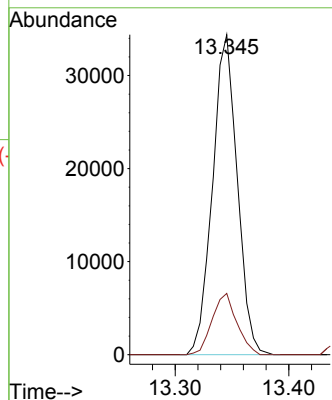
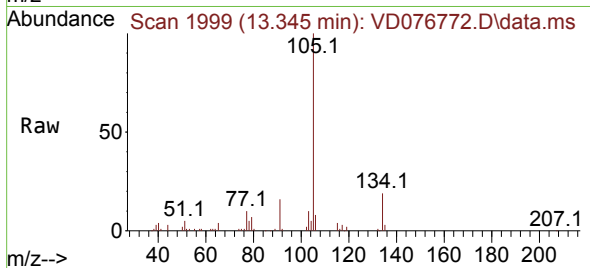
LOQ-SOIL-02-QT3-2023

Tgt Ion:105 Resp: 51999

Ion Ratio Lower Upper

105 100

134 19.1 10.9 32.9



#86

p-Isopropyltoluene

Concen: 4.848 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

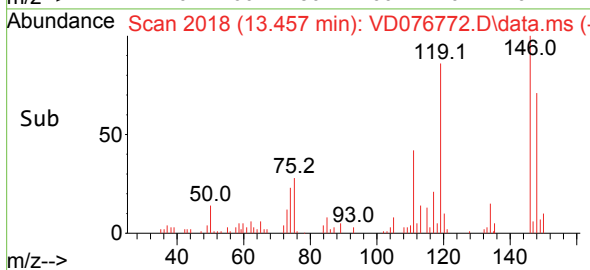
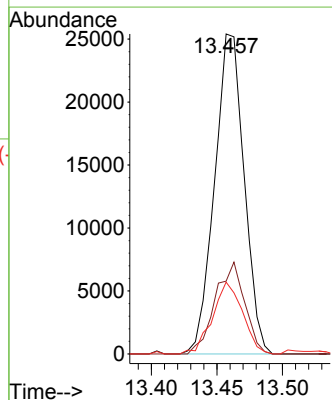
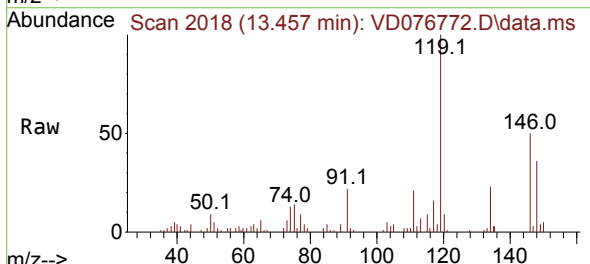
Tgt Ion:119 Resp: 39836

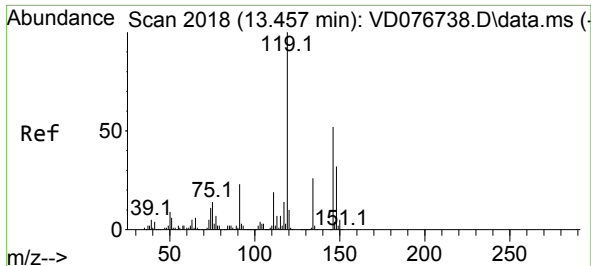
Ion Ratio Lower Upper

119 100

134 28.6 14.2 42.6

91 22.8 10.5 31.5

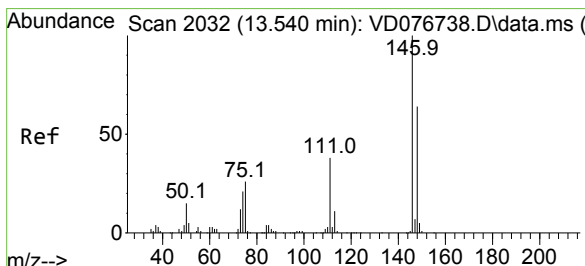
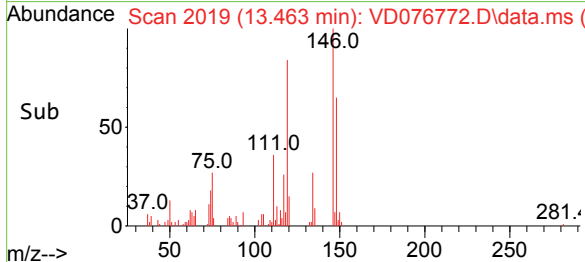
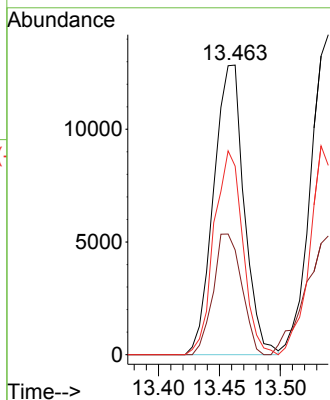
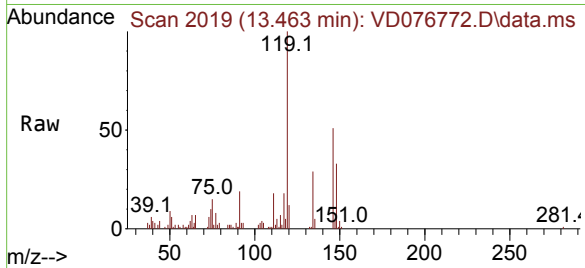




#87
1,3-Dichlorobenzene
Concen: 5.167 ug/l
RT: 13.463 min Scan# 2018
Delta R.T. 0.006 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

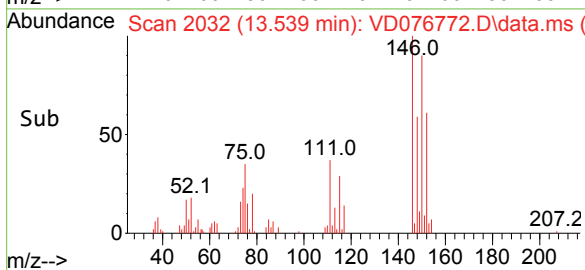
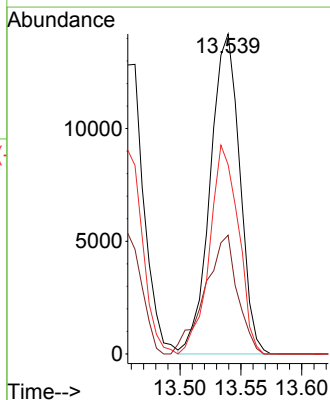
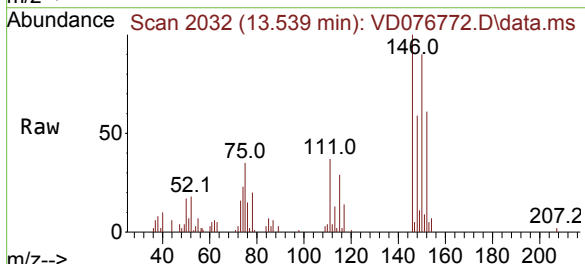
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

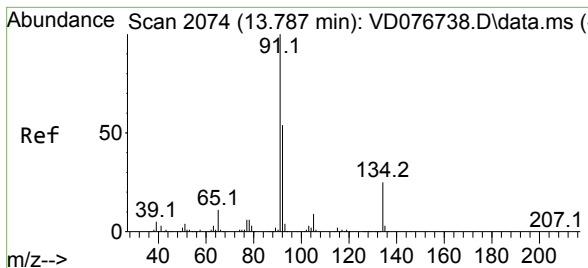
Tgt Ion:146 Resp: 22440
Ion Ratio Lower Upper
146 100
111 38.8 17.9 53.8
148 66.3 32.3 96.8



#88
1,4-Dichlorobenzene
Concen: 5.631 ug/l
RT: 13.539 min Scan# 2032
Delta R.T. -0.001 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion:146 Resp: 23957
Ion Ratio Lower Upper
146 100
111 40.9 17.4 52.3
148 63.8 31.7 95.1





#89

n-Butylbenzene

Concen: 5.137 ug/l

RT: 13.786 min Scan# 2074

Delta R.T. -0.001 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

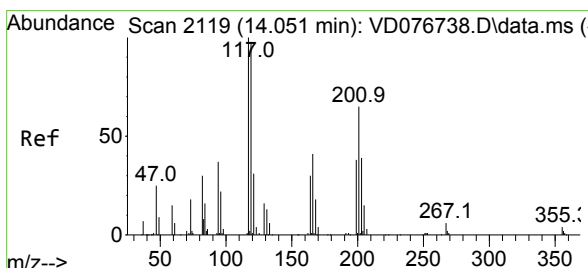
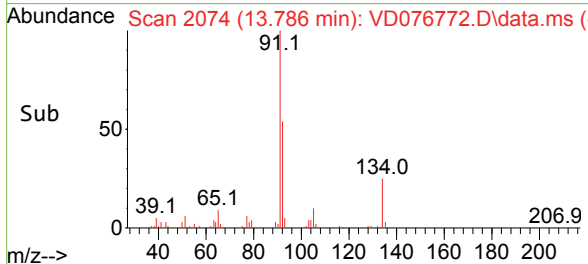
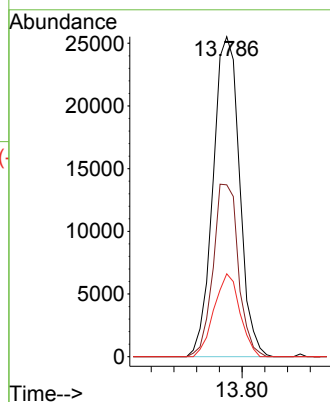
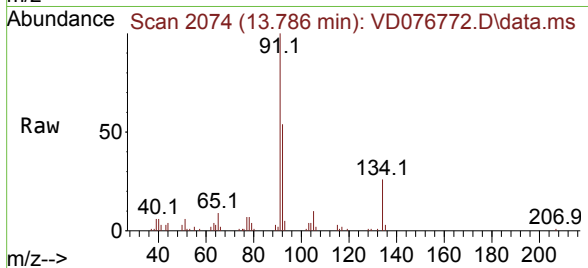
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion: 91	Resp: 41302
Ion Ratio	Lower Upper
91	100
92	51.4 26.5 79.5
134	25.3 13.8 41.3



#90

Hexachloroethane

Concen: 6.268 ug/l

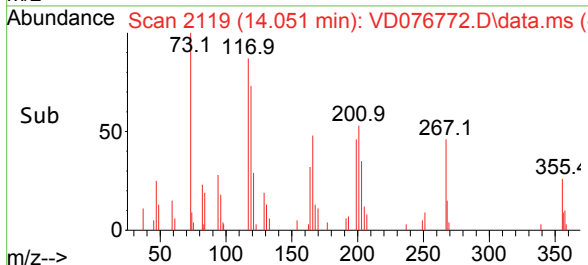
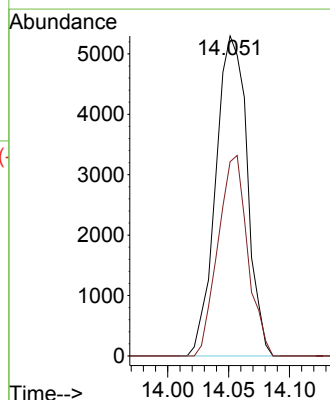
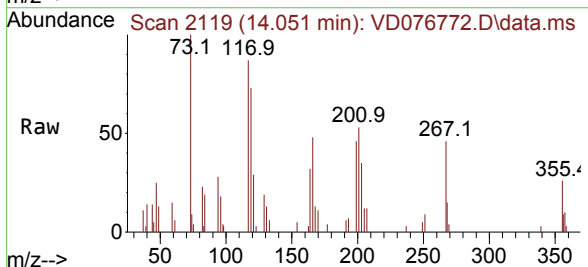
RT: 14.051 min Scan# 2119

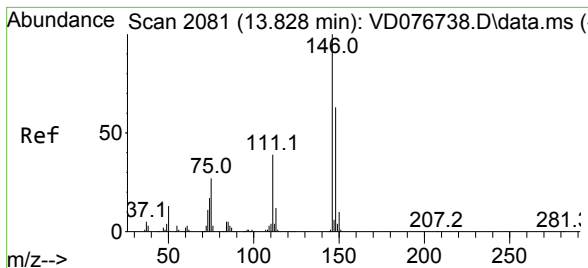
Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Tgt Ion: 117	Resp: 9521
Ion Ratio	Lower Upper
117	100
201	59.1 38.5 115.5





#91

1,2-Dichlorobenzene

Concen: 5.316 ug/l

RT: 13.834 min Scan# 2081

Delta R.T. 0.006 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

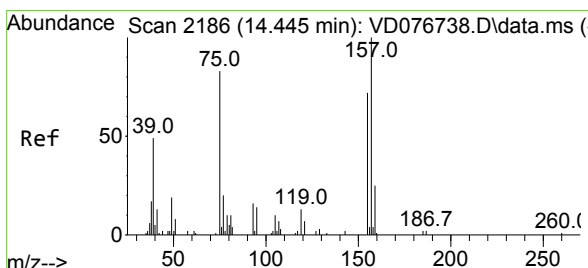
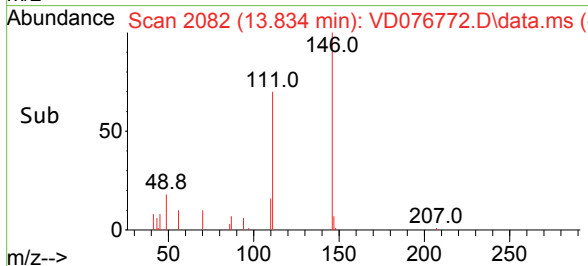
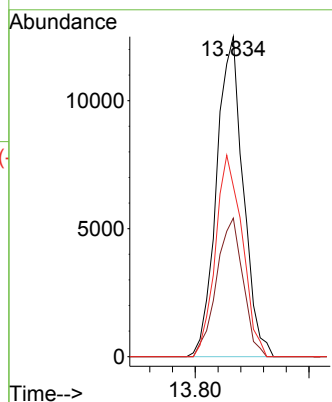
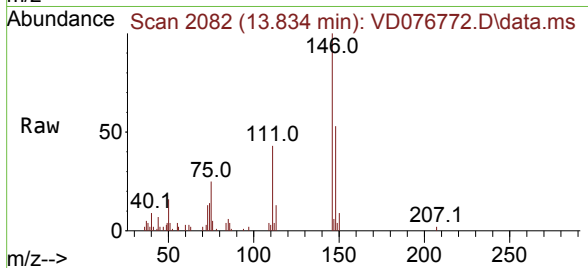
Tgt Ion:146 Resp: 20341

Ion Ratio Lower Upper

146 100

111 43.2 18.3 54.8

148 63.4 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 5.728 ug/l

RT: 14.445 min Scan# 2186

Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

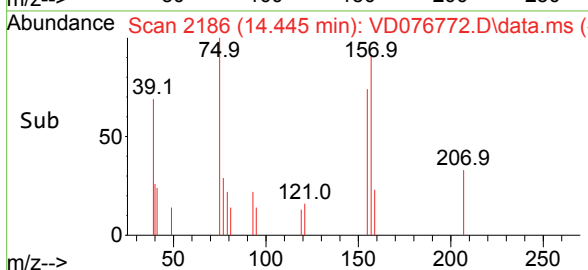
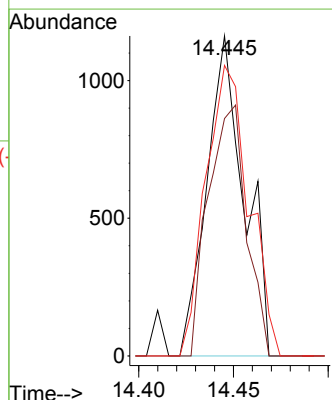
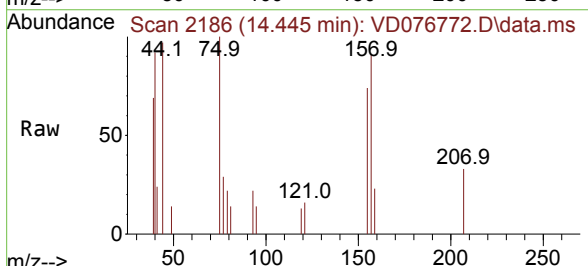
Tgt Ion: 75 Resp: 1604

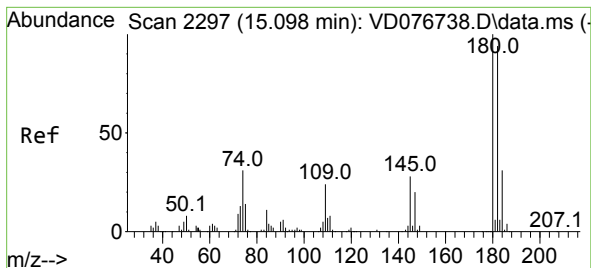
Ion Ratio Lower Upper

75 100

155 79.4 47.9 143.8

157 104.4 59.9 179.7





#93

1,2,4-Trichlorobenzene

Concen: 5.193 ug/l

RT: 15.098 min Scan# 21

Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

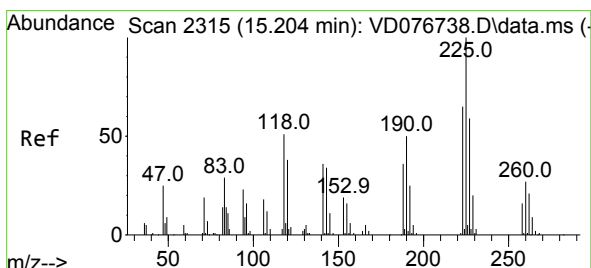
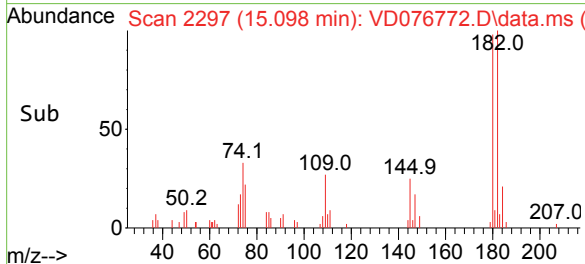
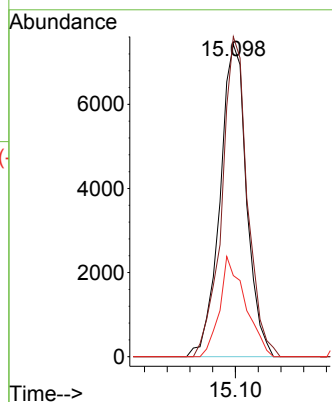
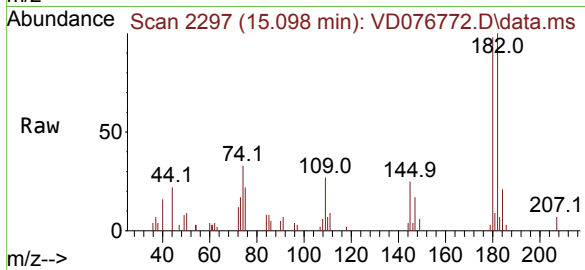
Tgt Ion:180 Resp: 12131

Ion Ratio Lower Upper

180 100

182 98.2 48.5 145.6

145 30.8 14.2 42.6



#94

Hexachlorobutadiene

Concen: 5.528 ug/l

RT: 15.204 min Scan# 2315

Delta R.T. 0.000 min

Lab File: VD076772.D

Acq: 18 Jul 2023 12:27

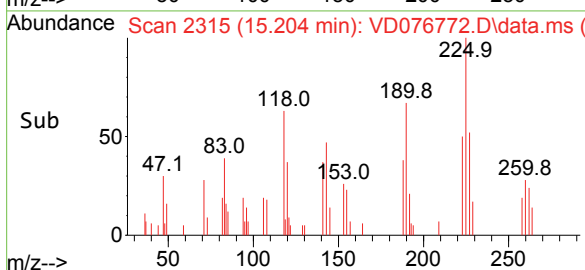
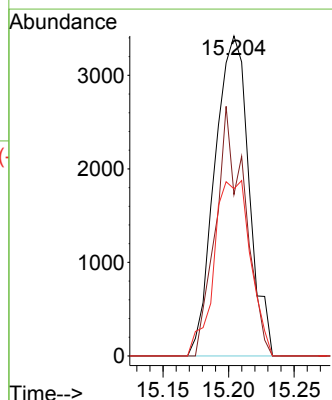
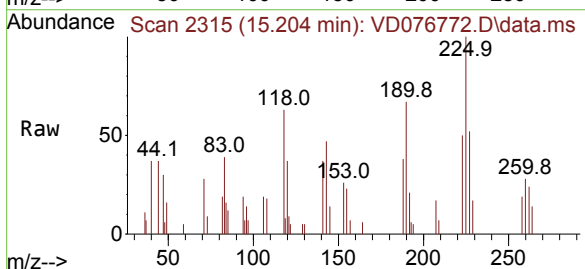
Tgt Ion:225 Resp: 6211

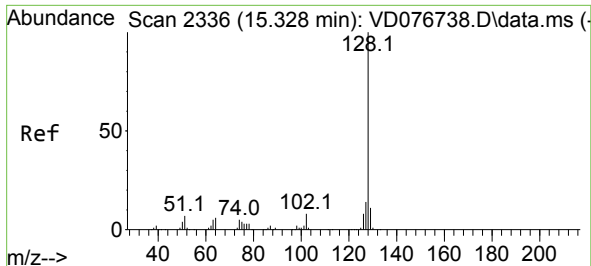
Ion Ratio Lower Upper

225 100

223 66.1 31.6 94.8

227 58.4 31.7 95.1

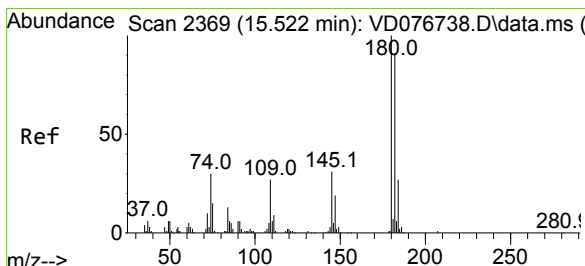
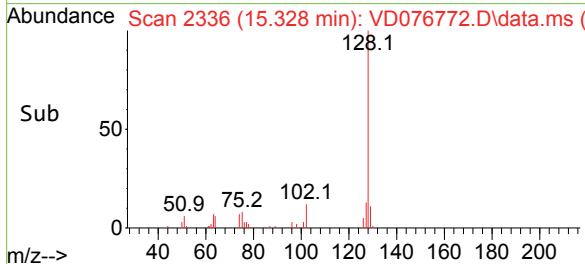
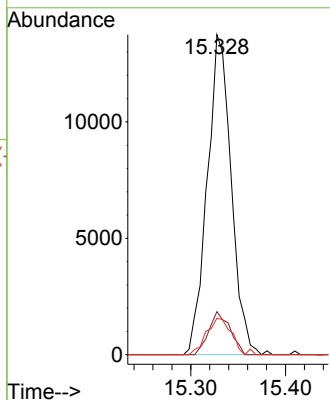
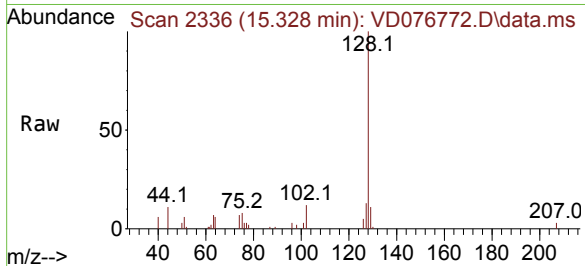




#95
Naphthalene
Concen: 4.785 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

Tgt Ion:	128	Resp:	24206
Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.5	15.7
129	11.4	8.7	13.1



#96
1,2,3-Trichlorobenzene
Concen: 5.570 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. -0.000 min
Lab File: VD076772.D
Acq: 18 Jul 2023 12:27

Tgt Ion:	180	Resp:	11676
Ion	Ratio	Lower	Upper
180	100		
182	90.7	47.3	141.9
145	29.9	15.1	45.3

