

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071923\
 Data File : VD076796.D
 Acq On : 19 Jul 2023 17:46
 Operator : KP/SY
 Sample : 03572-02
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

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

Quant Time: Jul 20 06:09:51 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071423S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 20 06:07:33 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	150832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	278115	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	260643	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	116447	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	73817	49.135	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.260%
35) Dibromofluoromethane	7.805	113	85692	49.031	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.060%
50) Toluene-d8	10.269	98	280823	44.916	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.840%
62) 4-Bromofluorobenzene	12.575	95	93952	46.452	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.900%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.928	85	6317	5.356	ug/l	83
3) Chloromethane	2.146	50	10383	5.103	ug/l	95
4) Vinyl Chloride	2.275	62	13285	4.898	ug/l	97
5) Bromomethane	2.681	94	11184	5.012	ug/l	94
6) Chloroethane	2.828	64	9804	4.788	ug/l	99
7) Trichlorofluoromethane	3.164	101	11718	4.855	ug/l	94
8) Diethyl Ether	3.581	74	3735	4.495	ug/l	90
9) 1,1,2-Trichlorotrifluo...	3.958	101	8267	5.211	ug/l	94
10) Methyl Iodide	4.152	142	6987	3.907	ug/l #	82
11) Tert butyl alcohol	5.052	59	2775m	24.753	ug/l	
12) 1,1-Dichloroethene	3.934	96	6642	4.456	ug/l	95
13) Acrolein	3.793	56	2235	29.255	ug/l	89
14) Allyl chloride	4.558	41	9066	4.630	ug/l #	86
15) Acrylonitrile	5.258	53	9110	22.323	ug/l	95
16) Acetone	4.034	43	7742	21.578	ug/l #	77
17) Carbon Disulfide	4.269	76	14809	4.254	ug/l #	88
18) Methyl Acetate	4.569	43	6421	4.763	ug/l	98
19) Methyl tert-butyl Ether	5.316	73	16356	4.092	ug/l	92
20) Methylene Chloride	4.799	84	16861	5.682	ug/l	91
21) trans-1,2-Dichloroethene	5.311	96	7567	4.368	ug/l #	84
22) Diisopropyl ether	6.216	45	19724	4.254	ug/l #	90
23) Vinyl Acetate	6.158	43	45278m	19.737	ug/l	
24) 1,1-Dichloroethane	6.111	63	14763	4.723	ug/l	95
25) 2-Butanone	7.087	43	10343	21.540	ug/l #	76
26) 2,2-Dichloropropane	7.075	77	13211	4.903	ug/l	79
27) cis-1,2-Dichloroethene	7.087	96	9411	4.406	ug/l	88
28) Bromochloromethane	7.422	49	4442	5.684	ug/l #	49
29) Tetrahydrofuran	7.452	42	6016	21.205	ug/l	93
30) Chloroform	7.593	83	17390	5.079	ug/l	94
31) Cyclohexane	7.875	56	12218	5.526	ug/l #	77
32) 1,1,1-Trichloroethane	7.793	97	14154	5.124	ug/l	94
36) 1,1-Dichloropropene	8.005	75	10650	4.663	ug/l	94
37) Ethyl Acetate	7.169	43	3886	3.805	ug/l #	89
38) Carbon Tetrachloride	7.987	117	9108	4.165	ug/l	96
39) Methylcyclohexane	9.275	83	11473	4.351	ug/l #	92
40) Benzene	8.246	78	32544	4.516	ug/l	94

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.399	41	2534	4.063	ug/l #	86
42) 1,2-Dichloroethane	8.328	62	9107	4.864	ug/l	97
43) Isopropyl Acetate	8.357	43	9283	4.657	ug/l #	89
44) Trichloroethene	9.028	130	9108	4.638	ug/l	82
45) 1,2-Dichloropropane	9.310	63	8853	4.759	ug/l	94
46) Dibromomethane	9.393	93	4913	4.512	ug/l	90
47) Bromodichloromethane	9.581	83	13054	4.778	ug/l	91
48) Methyl methacrylate	9.381	41	4043	4.457	ug/l #	77
49) 1,4-Dioxane	9.387	88	908m	65.092	ug/l	
51) 4-Methyl-2-Pentanone	10.163	43	22429	21.135	ug/l	93
52) Toluene	10.334	92	19834	4.191	ug/l	97
53) t-1,3-Dichloropropene	10.552	75	11355	4.477	ug/l	92
54) cis-1,3-Dichloropropene	10.016	75	12525	4.191	ug/l	92
55) 1,1,2-Trichloroethane	10.734	97	7015	4.412	ug/l	93
56) Ethyl methacrylate	10.593	69	7294	3.975	ug/l #	88
57) 1,3-Dichloropropane	10.881	76	11760	4.542	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.869	63	16128	22.706	ug/l	98
59) 2-Hexanone	10.922	43	14678	19.383	ug/l	95
60) Dibromochloromethane	11.075	129	8167	4.422	ug/l	90
61) 1,2-Dibromoethane	11.175	107	6717	4.557	ug/l	93
64) Tetrachloroethene	10.804	164	6751	4.542	ug/l #	87
65) Chlorobenzene	11.610	112	23571	4.497	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.681	131	8271	4.238	ug/l	94
67) Ethyl Benzene	11.681	91	37085	4.028	ug/l	95
68) m/p-Xylenes	11.793	106	28319	8.009	ug/l	85
69) o-Xylene	12.122	106	13813	4.040	ug/l	95
70) Styrene	12.134	104	23065	3.854	ug/l	97
71) Bromoform	12.298	173	4613	4.316	ug/l #	98
73) Isopropylbenzene	12.422	105	36268	4.293	ug/l	94
74) N-amyl acetate	12.228	43	7196	4.043	ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.675	83	8850	4.879	ug/l	97
76) 1,2,3-Trichloropropane	12.716	75	6723m	6.071	ug/l	
77) Bromobenzene	12.704	156	8894	4.561	ug/l	82
78) n-propylbenzene	12.763	91	45994	4.491	ug/l	96
79) 2-Chlorotoluene	12.845	91	25924	4.616	ug/l	98
80) 1,3,5-Trimethylbenzene	12.904	105	28923	4.234	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.469	75	2187	4.203	ug/l	98
82) 4-Chlorotoluene	12.945	91	25358	4.322	ug/l	96
83) tert-Butylbenzene	13.163	119	26894	4.471	ug/l	98
84) 1,2,4-Trimethylbenzene	13.210	105	28037	4.016	ug/l	100
85) sec-Butylbenzene	13.340	105	37796	4.113	ug/l	96
86) p-Isopropyltoluene	13.457	119	30930	4.075	ug/l	94
87) 1,3-Dichlorobenzene	13.463	146	17523	4.369	ug/l	96
88) 1,4-Dichlorobenzene	13.540	146	18730	4.766	ug/l	93
89) n-Butylbenzene	13.787	91	30733	4.138	ug/l	97
90) Hexachloroethane	14.051	117	6404	4.564	ug/l	84
91) 1,2-Dichlorobenzene	13.828	146	15468	4.376	ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1063	4.110	ug/l	93
93) 1,2,4-Trichlorobenzene	15.098	180	9388	4.351	ug/l	95
94) Hexachlorobutadiene	15.198	225	4740	4.568	ug/l	96
95) Naphthalene	15.328	128	18366	3.931	ug/l	98
96) 1,2,3-Trichlorobenzene	15.516	180	8555	4.418	ug/l	95

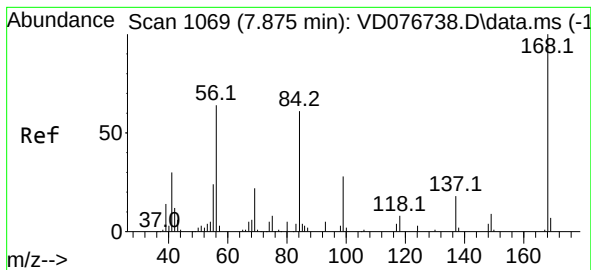
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. 0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

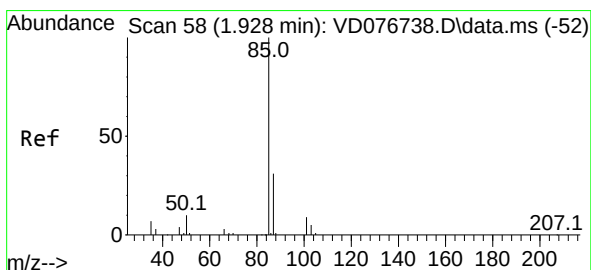
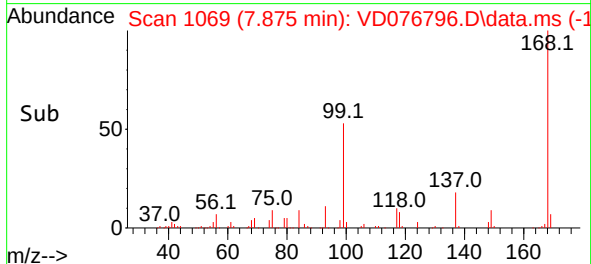
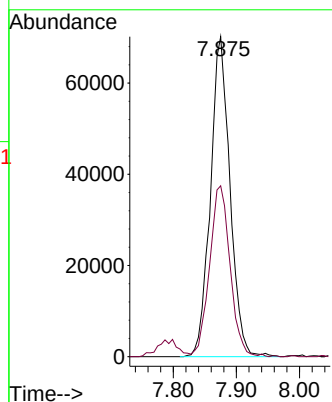
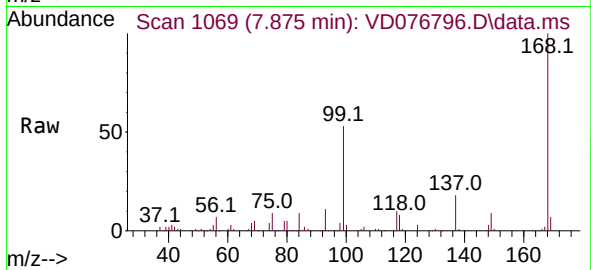
LOQ-SOIL-02-QT3-2023

Tgt Ion:168 Resp: 150832

Ion Ratio Lower Upper

168 100

99 53.4 36.7 55.1



#2

Dichlorodifluoromethane

Concen: 5.356 ug/l

RT: 1.928 min Scan# 58

Delta R.T. 0.000 min

Lab File: VD076796.D

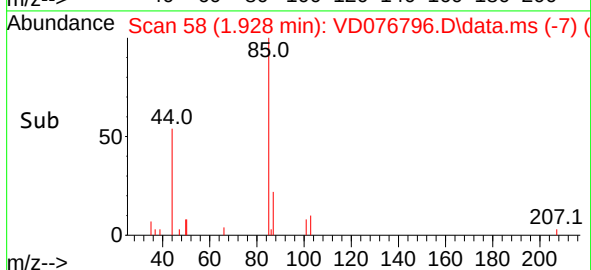
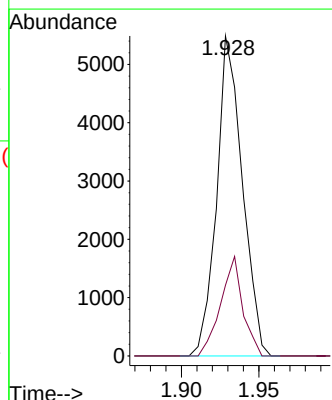
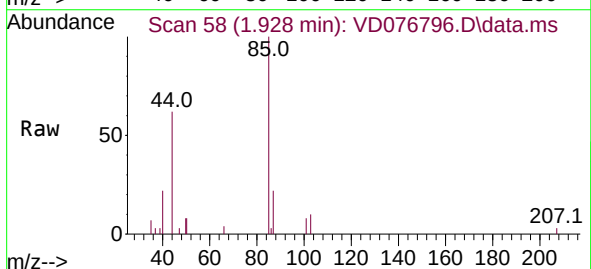
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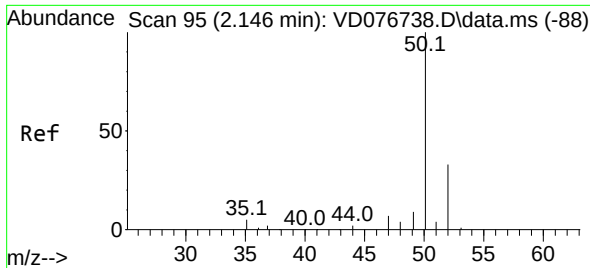
Tgt Ion: 85 Resp: 6317

Ion Ratio Lower Upper

85 100

87 22.1 15.7 47.0

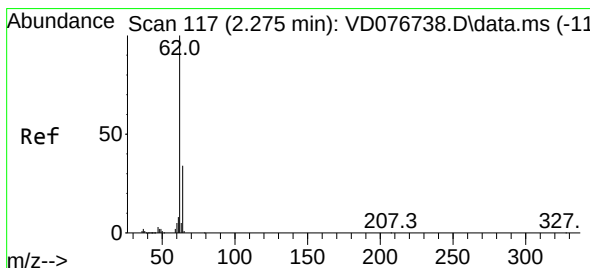
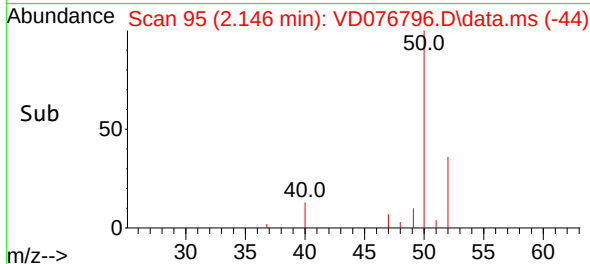
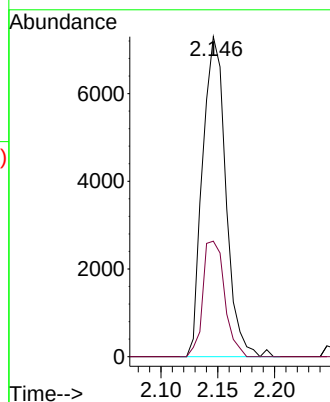
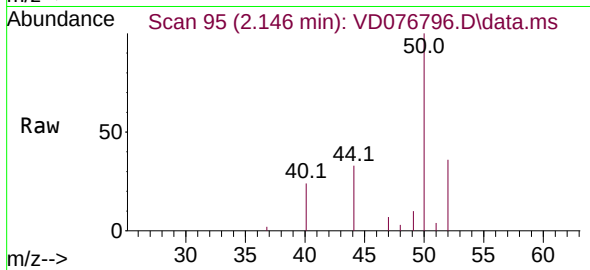




#3
Chloromethane
Concen: 5.103 ug/l
RT: 2.146 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

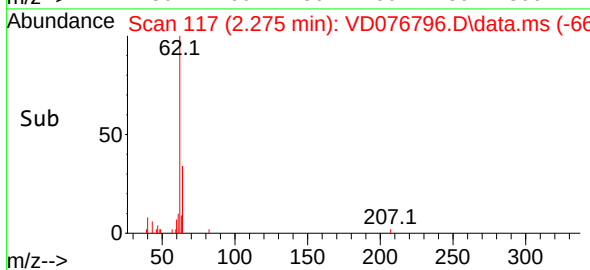
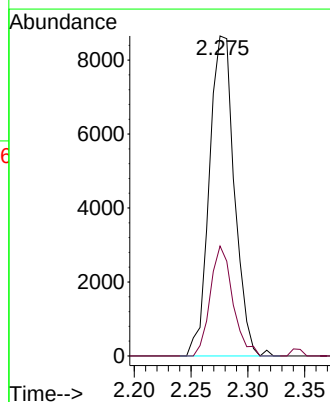
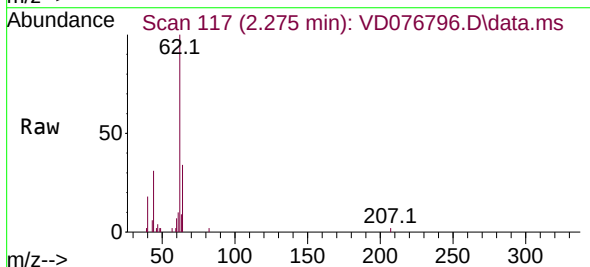
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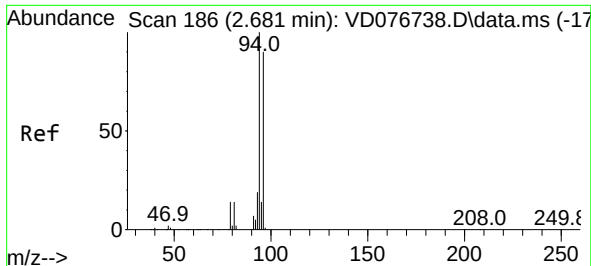
Tgt Ion: 50 Resp: 10383
Ion Ratio Lower Upper
50 100
52 36.1 26.6 40.0



#4
Vinyl Chloride
Concen: 4.898 ug/l
RT: 2.275 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion: 62 Resp: 13285
Ion Ratio Lower Upper
62 100
64 34.4 26.0 39.0

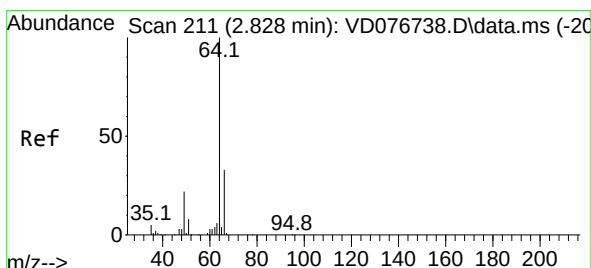
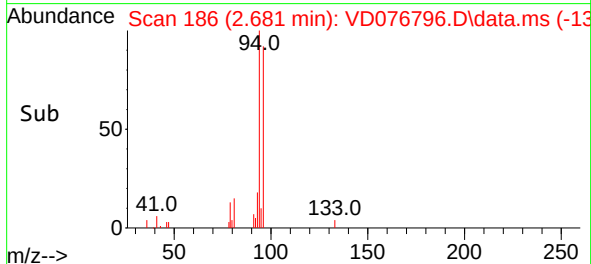
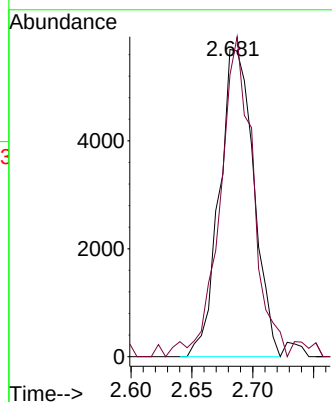
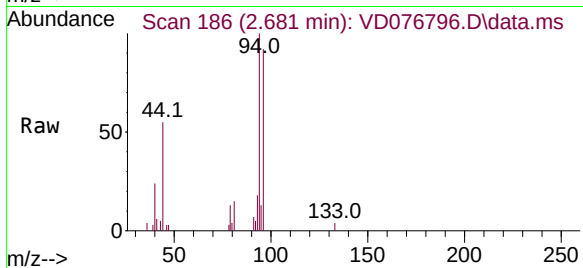




#5
Bromomethane
Concen: 5.012 ug/l
RT: 2.681 min Scan# 186
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

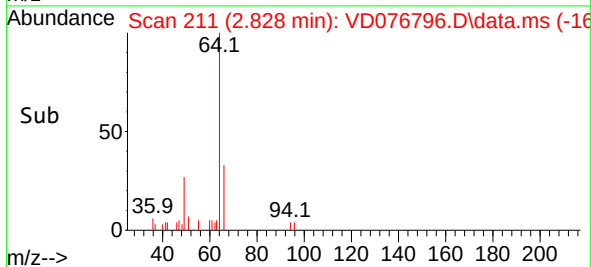
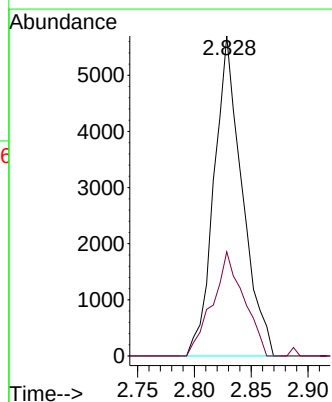
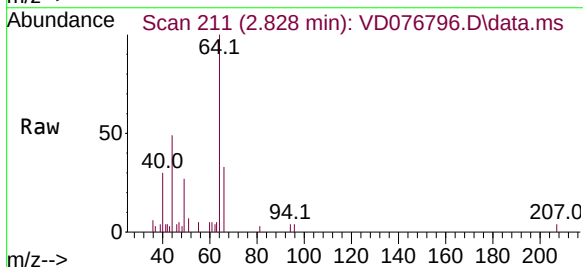
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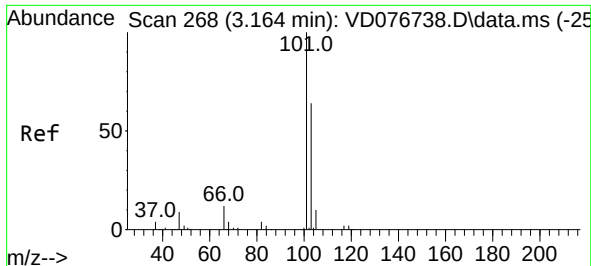
Tgt Ion: 94 Resp: 11184
Ion Ratio Lower Upper
94 100
96 100.5 75.8 113.8



#6
Chloroethane
Concen: 4.788 ug/l
RT: 2.828 min Scan# 211
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion: 64 Resp: 9804
Ion Ratio Lower Upper
64 100
66 32.5 25.5 38.3

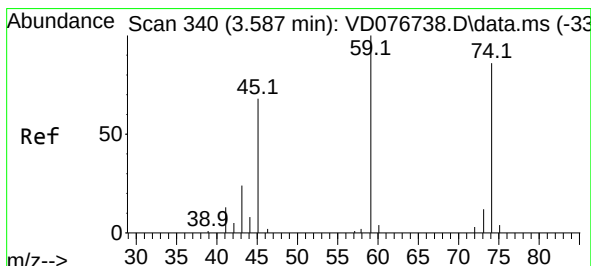
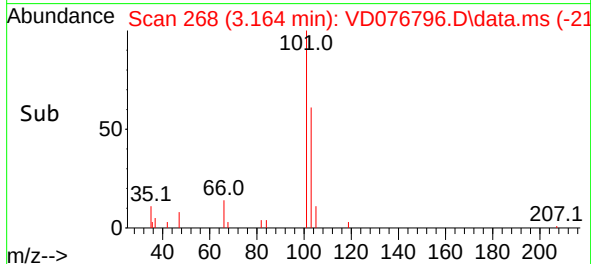
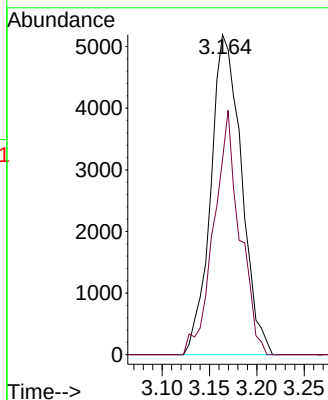
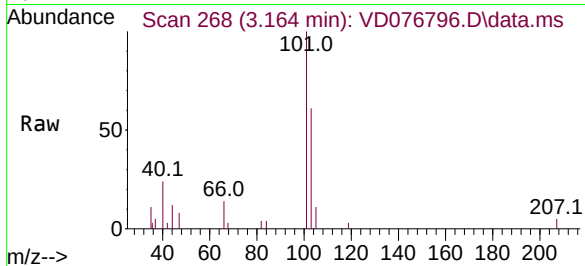




#7
 Trichlorofluoromethane
 Concen: 4.855 ug/l
 RT: 3.164 min Scan# 20
 Delta R.T. -0.000 min
 Lab File: VD076796.D
 Acq: 19 Jul 2023 17:46

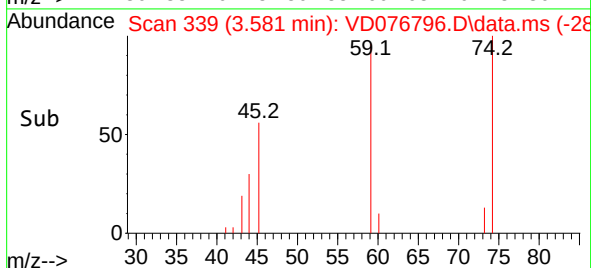
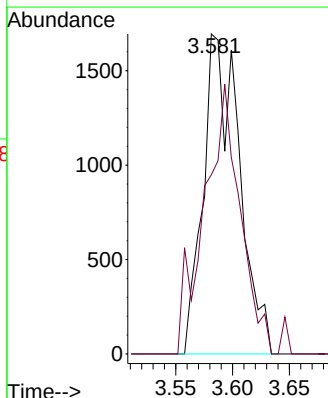
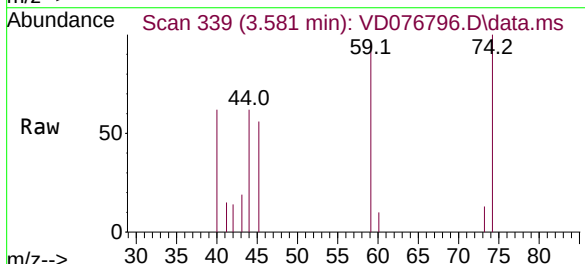
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 LOQ-SOIL-02-QT3-2023

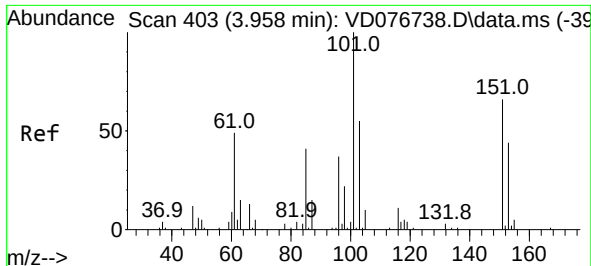
Tgt Ion:101 Resp: 11718
 Ion Ratio Lower Upper
 101 100
 103 61.0 52.3 78.5



#8
 Diethyl Ether
 Concen: 4.495 ug/l
 RT: 3.581 min Scan# 339
 Delta R.T. -0.006 min
 Lab File: VD076796.D
 Acq: 19 Jul 2023 17:46

Tgt Ion: 74 Resp: 3735
 Ion Ratio Lower Upper
 74 100
 45 83.8 37.5 112.7

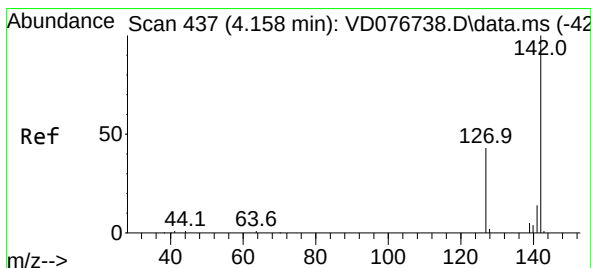
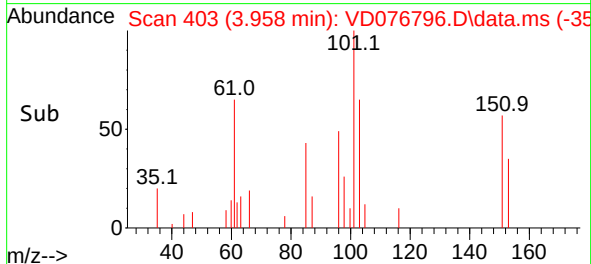
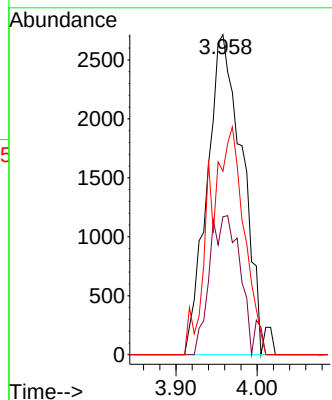
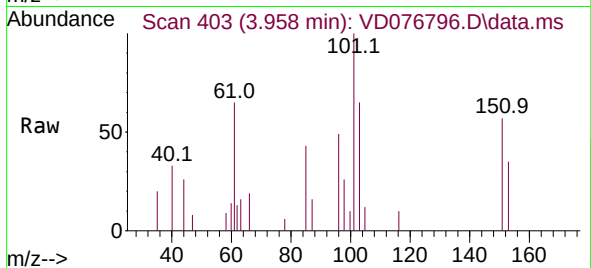




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.211 ug/l
RT: 3.958 min Scan# 403
Delta R.T. -0.000 min
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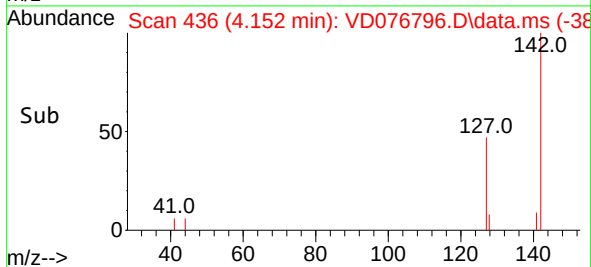
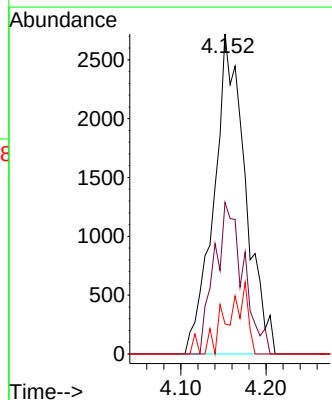
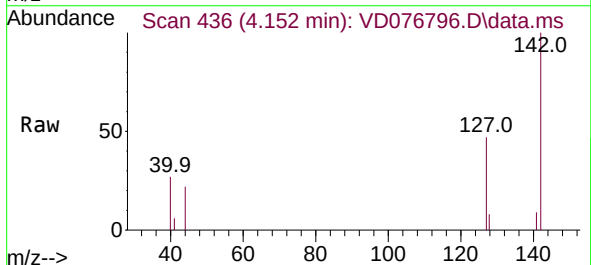
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

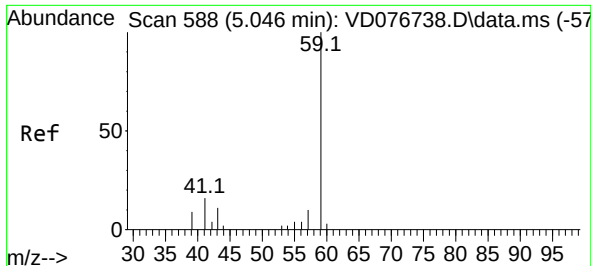
Tgt Ion:	101	Resp:	8267
Ion	Ratio	Lower	Upper
101	100		
85	39.0	33.8	50.6
151	68.8	59.8	89.6



#10
Methyl Iodide
Concen: 3.907 ug/l
RT: 4.152 min Scan# 436
Delta R.T. -0.006 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion:	142	Resp:	6987
Ion	Ratio	Lower	Upper
142	100		
127	43.5	29.4	44.0
141	0.0	11.1	16.7





#11

Tert butyl alcohol

Concen: 24.753 ug/l m

RT: 5.052 min Scan# 5

Delta R.T. 0.006 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

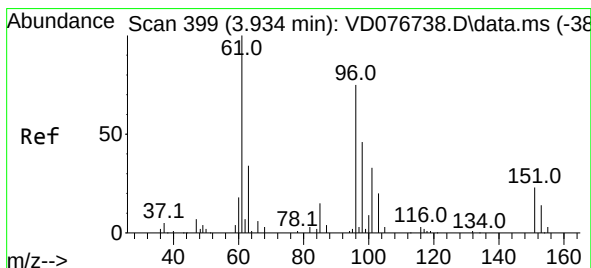
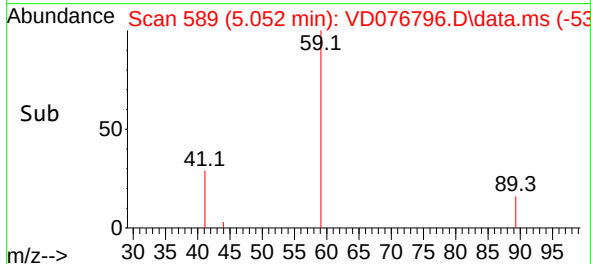
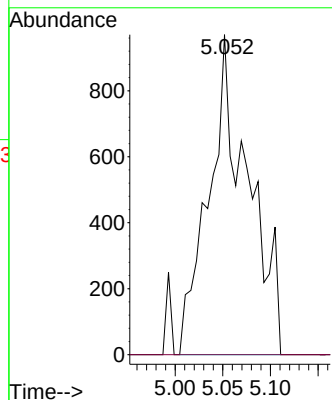
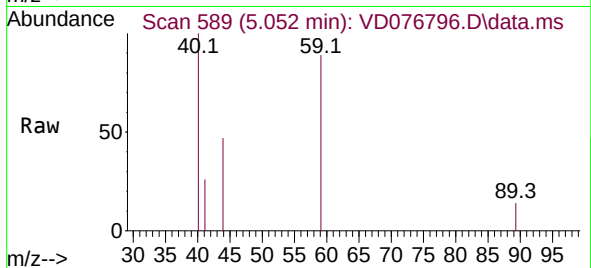
LOQ-SOIL-02-QT3-2023

Tgt Ion: 59 Resp: 2775

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#



#12

1,1-Dichloroethene

Concen: 4.456 ug/l

RT: 3.934 min Scan# 399

Delta R.T. 0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

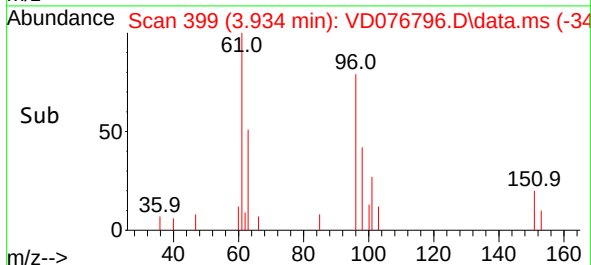
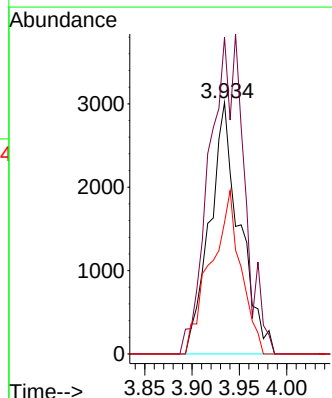
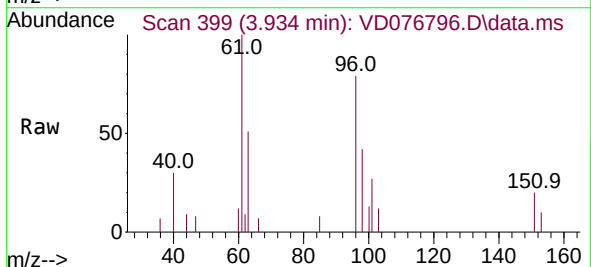
Tgt Ion: 96 Resp: 6642

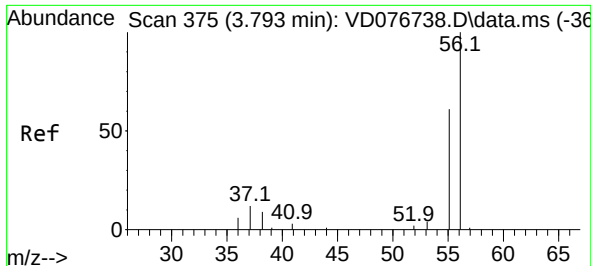
Ion Ratio Lower Upper

96 100

61 125.9 100.6 150.8

98 52.3 50.2 75.2

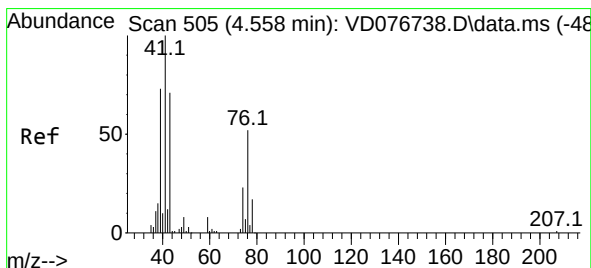
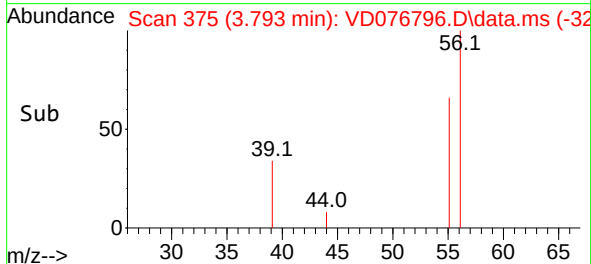
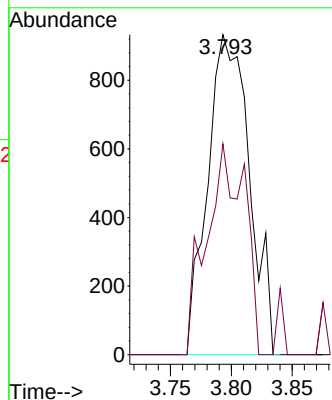
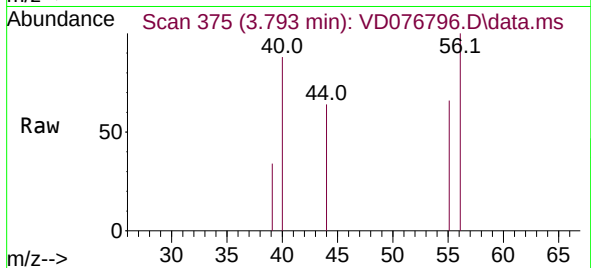




#13
Acrolein
Concen: 29.255 ug/l
RT: 3.793 min Scan# 31
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

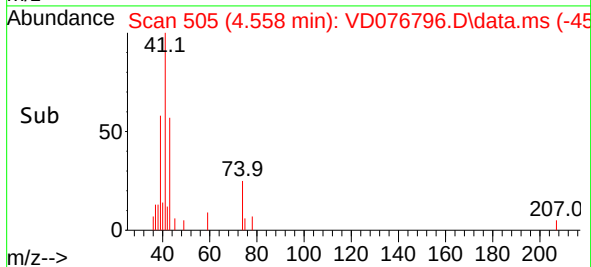
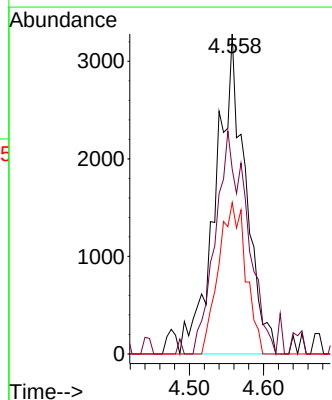
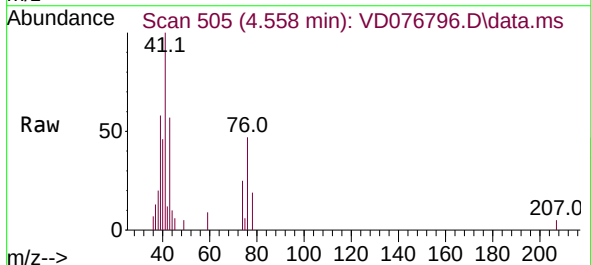
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

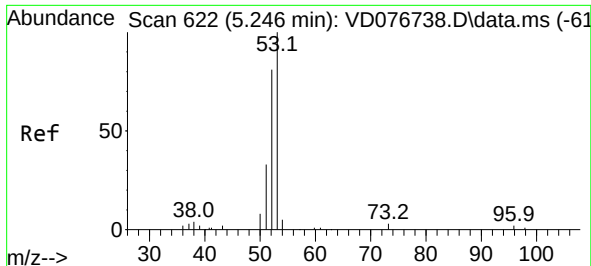
Tgt Ion: 56 Resp: 2235
Ion Ratio Lower Upper
56 100
55 60.0 55.1 82.7



#14
Allyl chloride
Concen: 4.630 ug/l
RT: 4.558 min Scan# 505
Delta R.T. -0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion: 41 Resp: 9066
Ion Ratio Lower Upper
41 100
39 75.1 53.8 80.6
76 43.9 45.8 68.8#

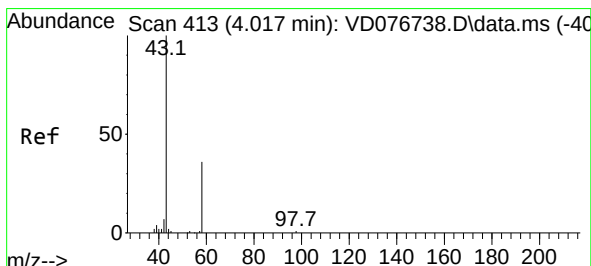
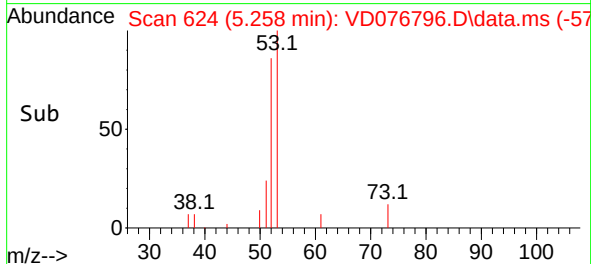
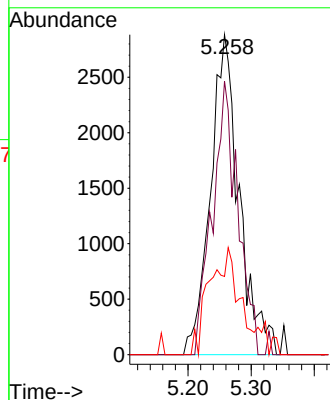
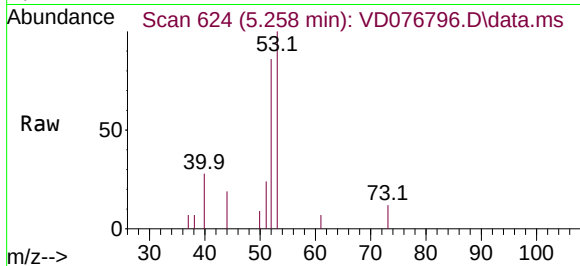




#15
Acrylonitrile
Concen: 22.323 ug/l
RT: 5.258 min Scan# 61
Delta R.T. 0.012 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

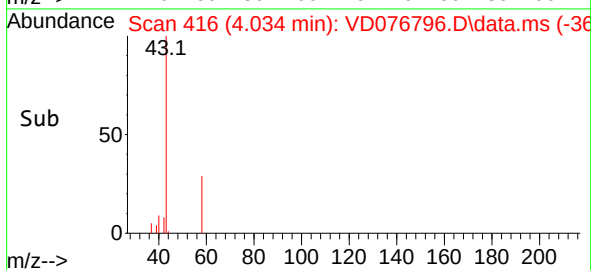
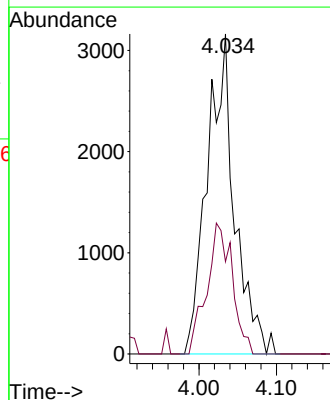
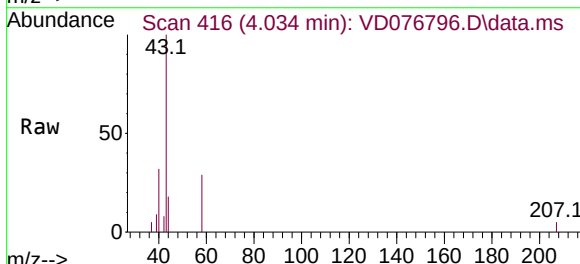
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

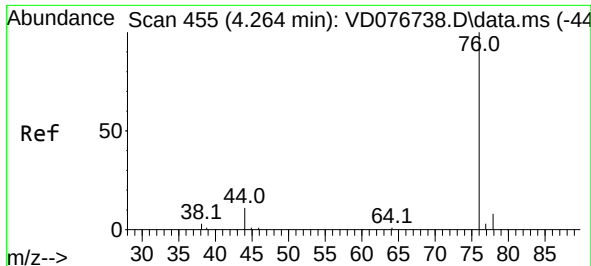
Tgt Ion: 53	Resp:	9110
Ion	Ratio	Lower Upper
53	100	
52	75.6	65.0 97.4
51	34.4	28.3 42.5



#16
Acetone
Concen: 21.578 ug/l
RT: 4.034 min Scan# 416
Delta R.T. 0.017 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion: 43	Resp:	7742
Ion	Ratio	Lower Upper
43	100	
58	28.9	34.7 52.1#

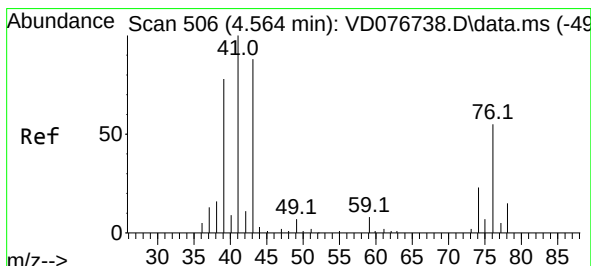
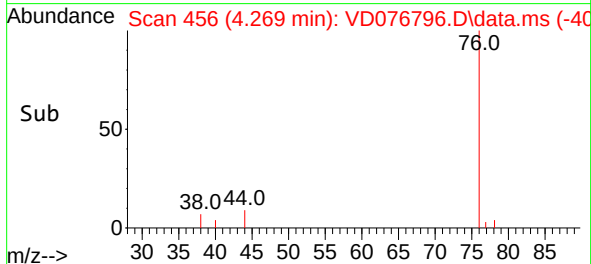
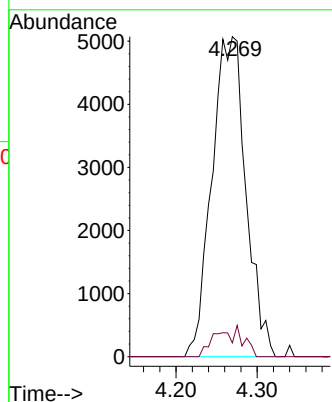
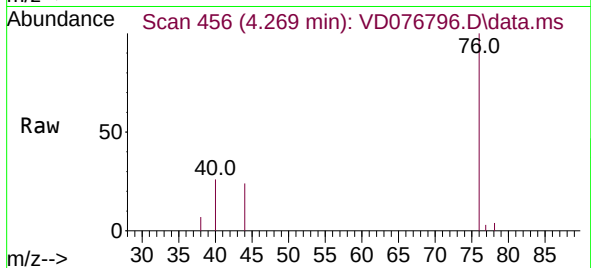




#17
Carbon Disulfide
Concen: 4.254 ug/l
RT: 4.269 min Scan# 412
Delta R.T. 0.005 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

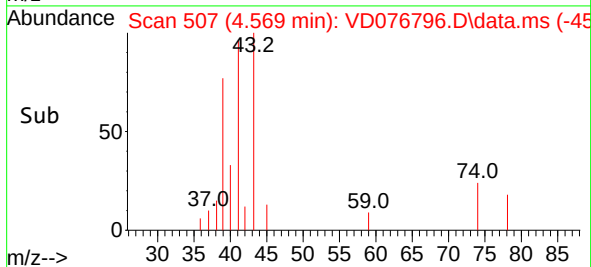
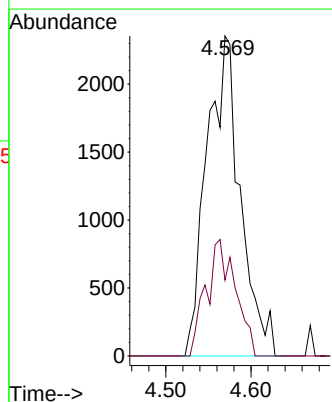
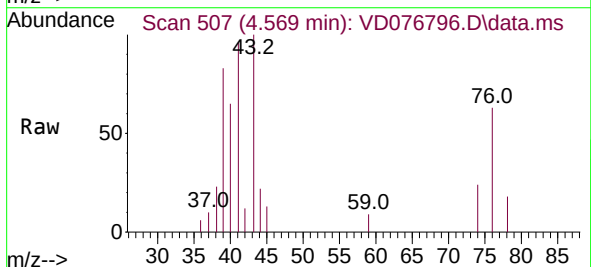
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

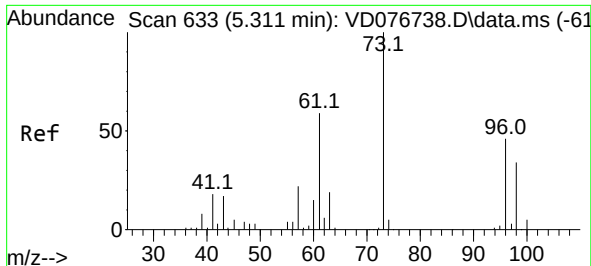
Tgt Ion: 76 Resp: 14809
Ion Ratio Lower Upper
76 100
78 4.3 6.8 10.2#



#18
Methyl Acetate
Concen: 4.763 ug/l
RT: 4.569 min Scan# 507
Delta R.T. 0.005 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion: 43 Resp: 6421
Ion Ratio Lower Upper
43 100
74 31.9 26.4 39.6





#19

Methyl tert-butyl Ether

Concen: 4.092 ug/l

RT: 5.316 min Scan# 61

Delta R.T. 0.005 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

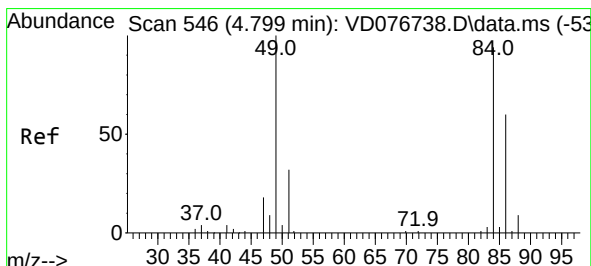
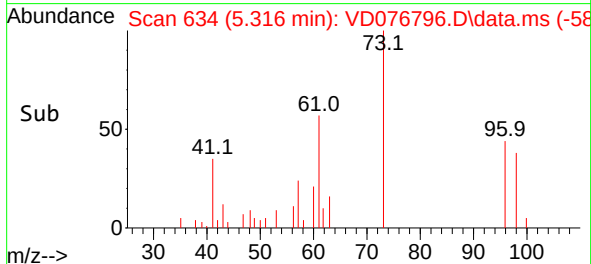
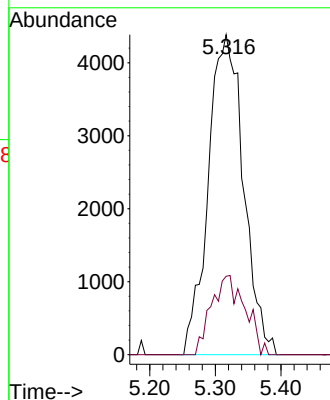
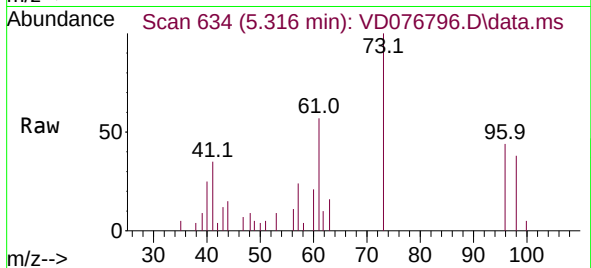
LOQ-SOIL-02-QT3-2023

Tgt Ion: 73 Resp: 16356

Ion Ratio Lower Upper

73 100

57 24.5 16.6 25.0



#20

Methylene Chloride

Concen: 5.682 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Tgt Ion: 84 Resp: 16861

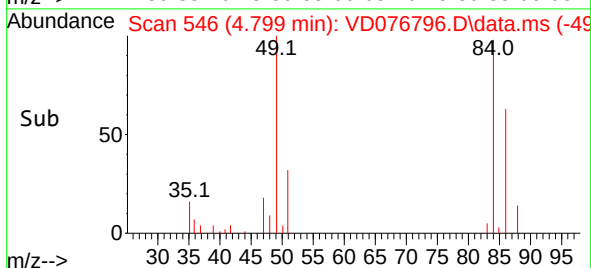
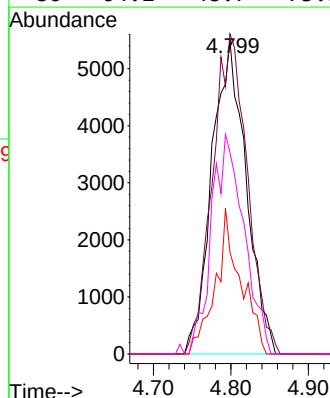
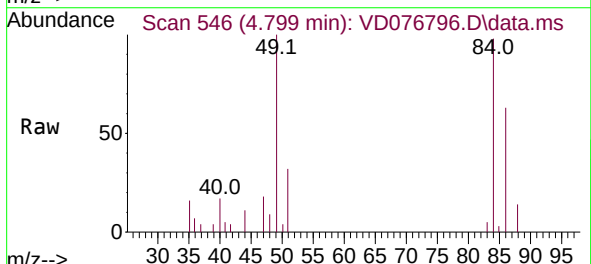
Ion Ratio Lower Upper

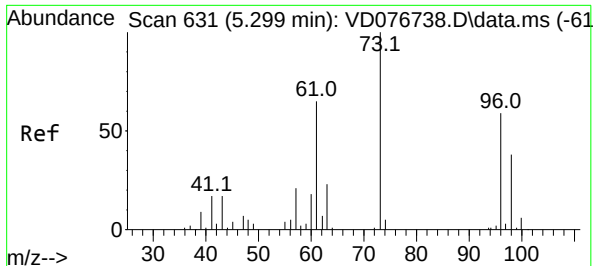
84 100

49 101.9 71.4 107.2

51 32.4 24.5 36.7

86 64.2 48.7 73.1





#21

trans-1,2-Dichloroethene

Concen: 4.368 ug/l

RT: 5.311 min Scan# 61

Delta R.T. 0.012 min

Lab File: VD076796.D

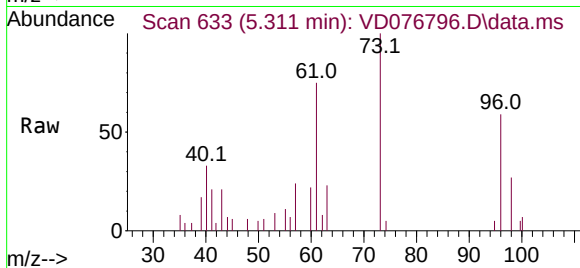
Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023



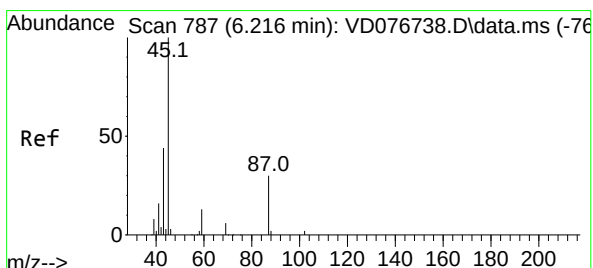
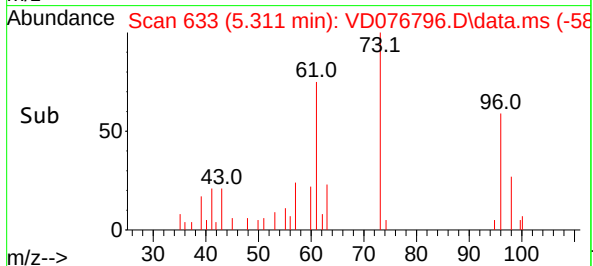
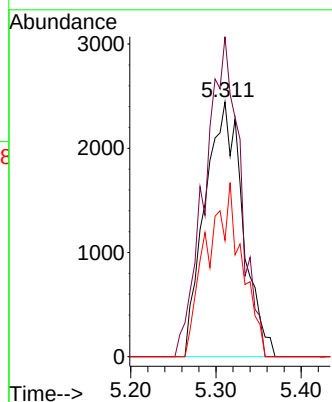
Tgt Ion: 96 Resp: 7567

Ion Ratio Lower Upper

96 100

61 125.7 89.3 133.9

98 45.7 48.6 73.0#



#22

Diisopropyl ether

Concen: 4.254 ug/l

RT: 6.216 min Scan# 787

Delta R.T. 0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Tgt Ion: 45 Resp: 19724

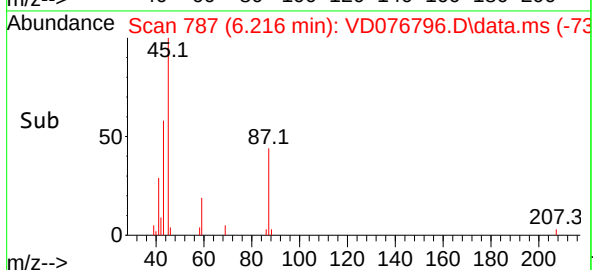
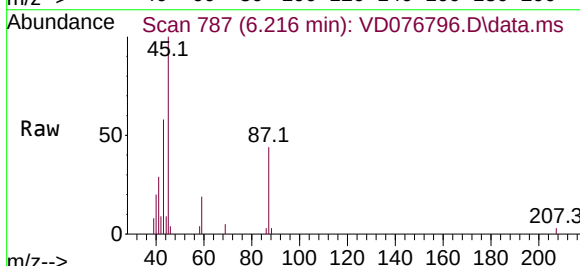
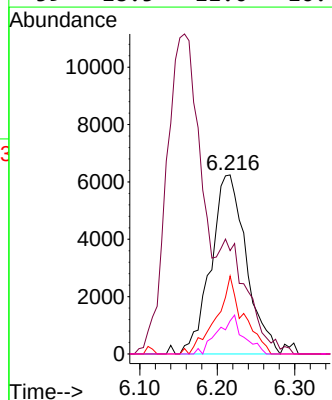
Ion Ratio Lower Upper

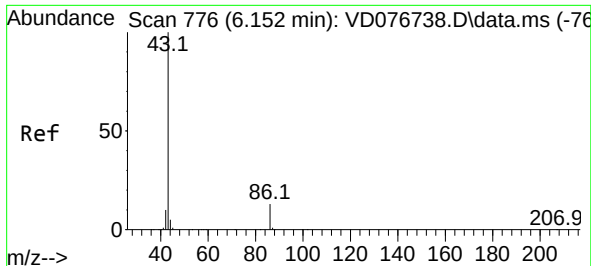
45 100

43 55.1 40.0 60.0

87 43.6 28.2 42.4#

59 18.5 11.0 16.4#

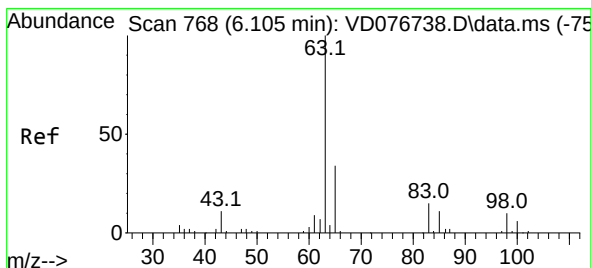
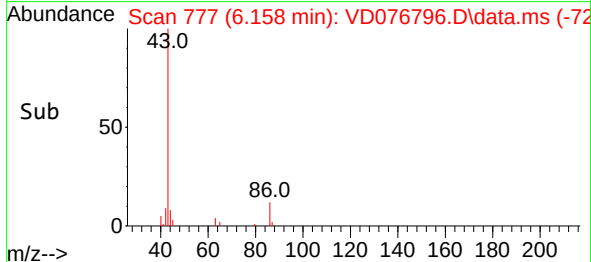
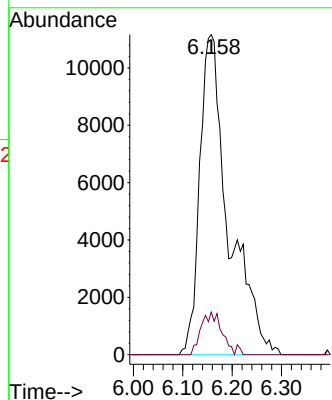
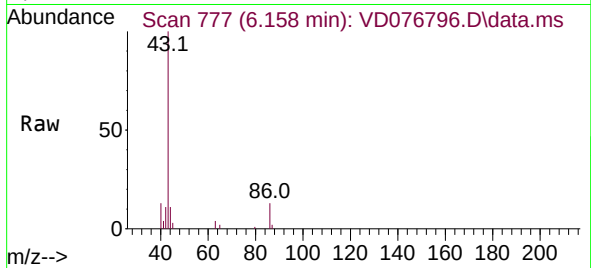




#23
 Vinyl Acetate
 Concen: 19.737 ug/l m
 RT: 6.158 min Scan# 777
 Delta R.T. 0.006 min
 Lab File: VD076796.D
 Acq: 19 Jul 2023 17:46

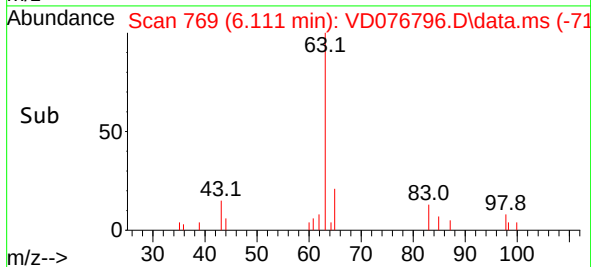
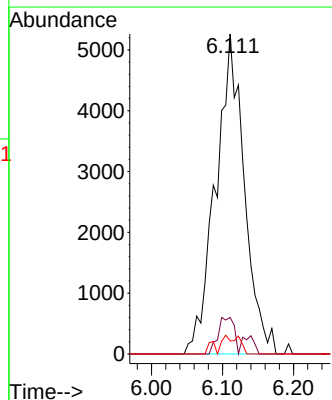
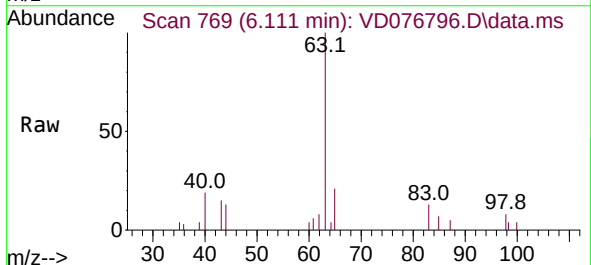
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT3-2023

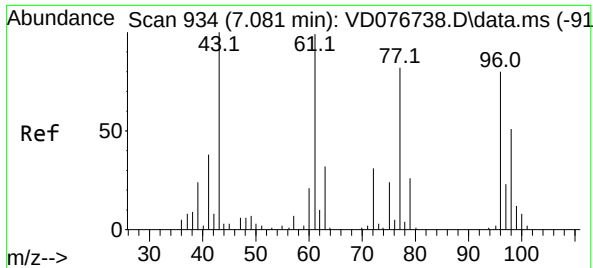
Tgt Ion: 43 Resp: 45278
 Ion Ratio Lower Upper
 43 100
 86 13.3 12.5 18.7



#24
 1,1-Dichloroethane
 Concen: 4.723 ug/l
 RT: 6.111 min Scan# 769
 Delta R.T. 0.006 min
 Lab File: VD076796.D
 Acq: 19 Jul 2023 17:46

Tgt Ion: 63 Resp: 14763
 Ion Ratio Lower Upper
 63 100
 98 11.4 4.5 13.7
 100 4.1 2.5 7.5





#25

2-Butanone

Concen: 21.540 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

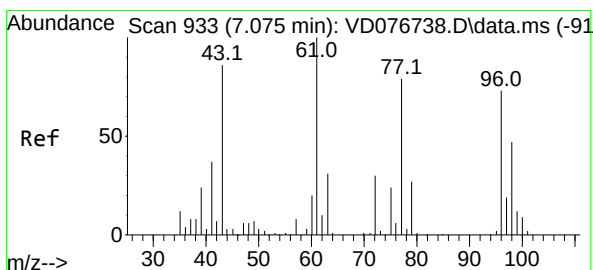
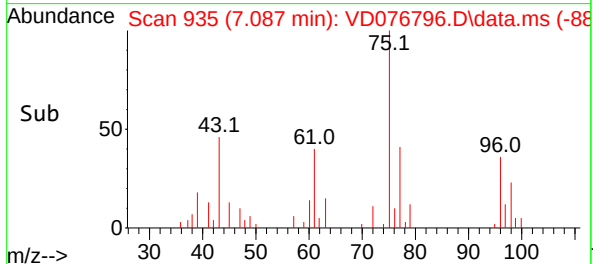
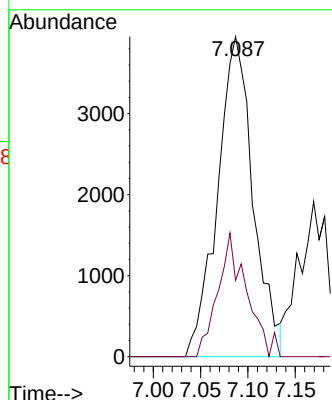
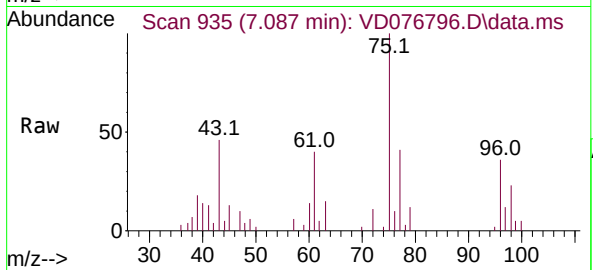
LOQ-SOIL-02-QT3-2023

Tgt Ion: 43 Resp: 10343

Ion Ratio Lower Upper

43 100

72 23.8 30.7 46.1#



#26

2,2-Dichloropropane

Concen: 4.903 ug/l

RT: 7.075 min Scan# 933

Delta R.T. 0.000 min

Lab File: VD076796.D

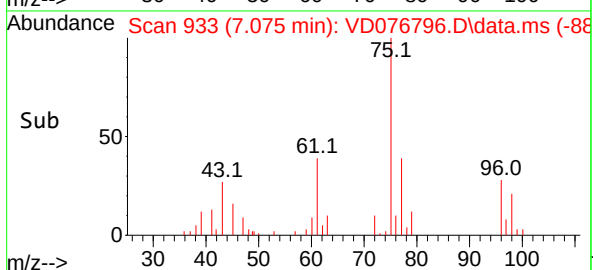
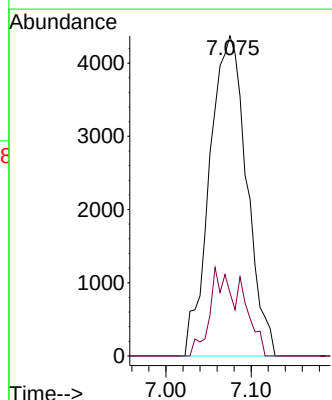
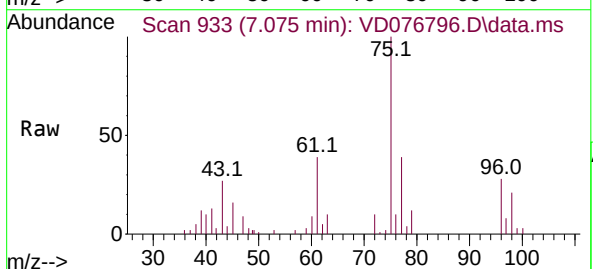
Acq: 19 Jul 2023 17:46

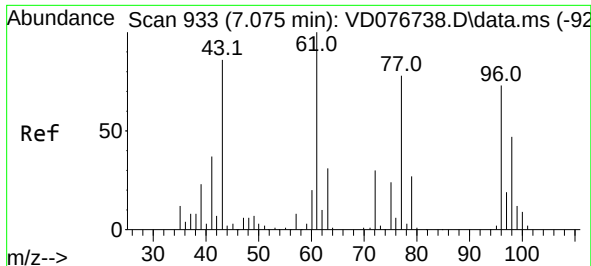
Tgt Ion: 77 Resp: 13211

Ion Ratio Lower Upper

77 100

97 15.8 13.2 39.6





#27

cis-1,2-Dichloroethene

Concen: 4.406 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.012 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

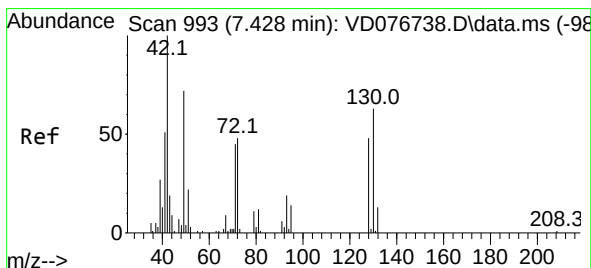
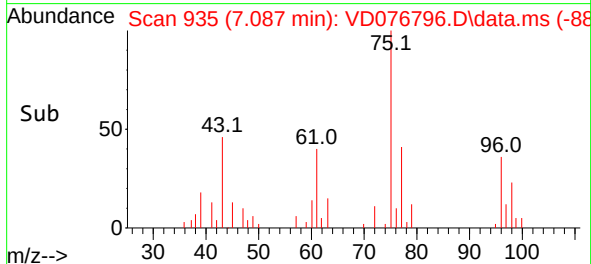
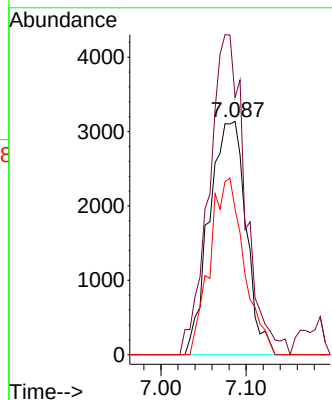
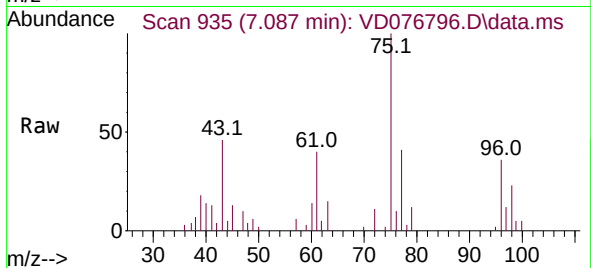
Tgt Ion: 96 Resp: 9411

Ion Ratio Lower Upper

96 100

61 134.5 0.0 239.2

98 70.6 0.0 128.6



#28

Bromochloromethane

Concen: 5.684 ug/l

RT: 7.422 min Scan# 992

Delta R.T. -0.006 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

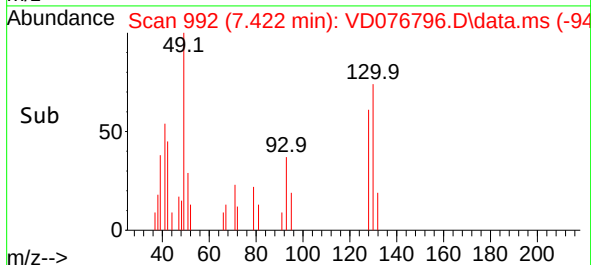
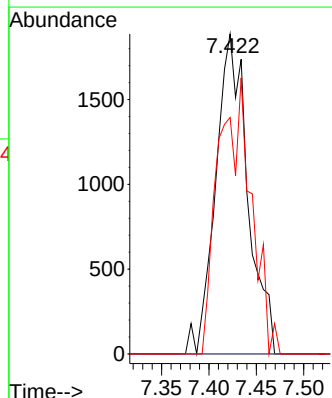
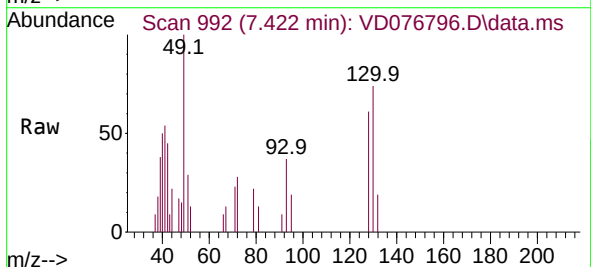
Tgt Ion: 49 Resp: 4442

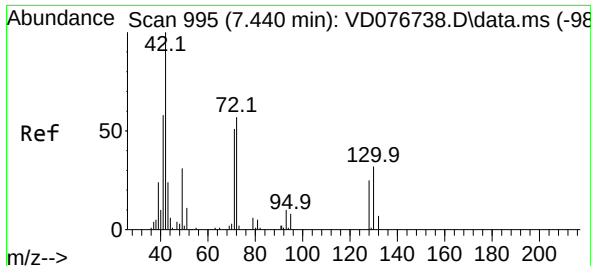
Ion Ratio Lower Upper

49 100

129 0.0 0.0 6.0

130 50.4 83.2 124.8#

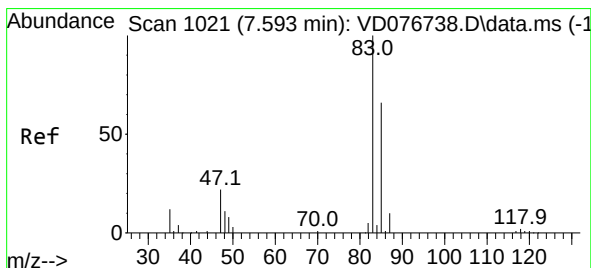
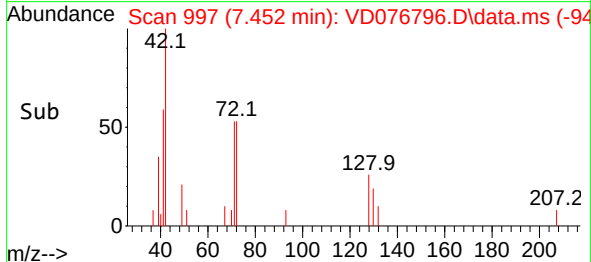
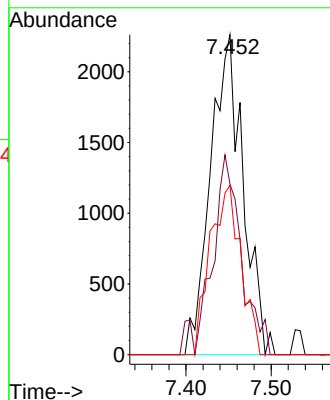
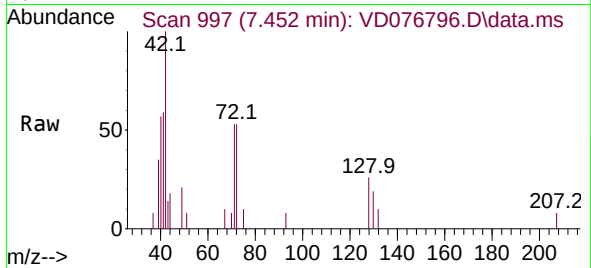




#29
Tetrahydrofuran
Concen: 21.205 ug/l
RT: 7.452 min Scan# 995
Delta R.T. 0.012 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

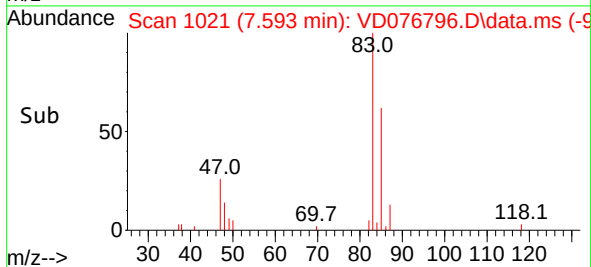
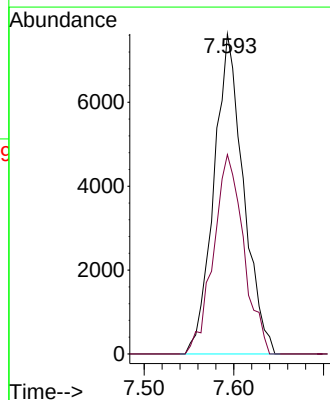
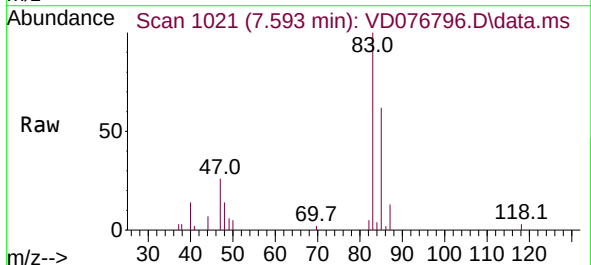
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

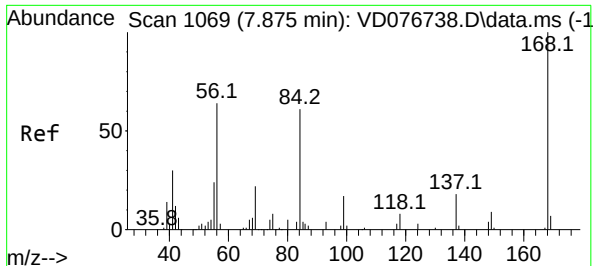
Tgt Ion:	42	Resp:	6016
Ion	Ratio	Lower	Upper
42	100		
72	53.7	46.5	69.7
71	49.9	44.5	66.7



#30
Chloroform
Concen: 5.079 ug/l
RT: 7.593 min Scan# 1021
Delta R.T. -0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion:	83	Resp:	17390
Ion	Ratio	Lower	Upper
83	100		
85	62.3	53.4	80.2

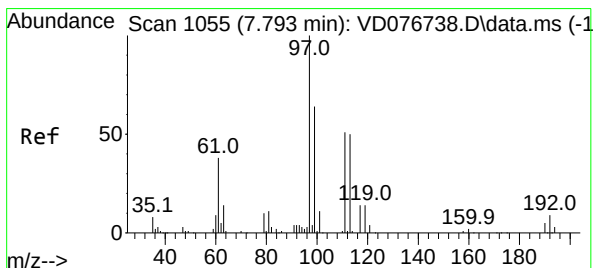
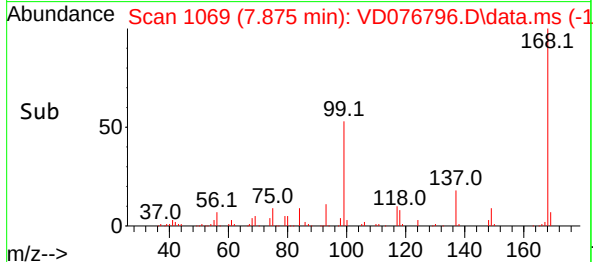
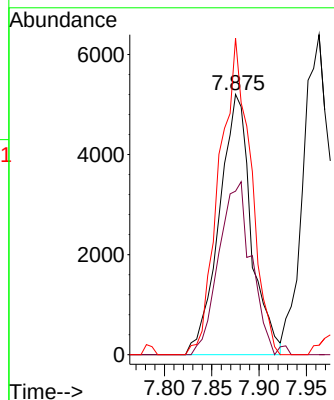
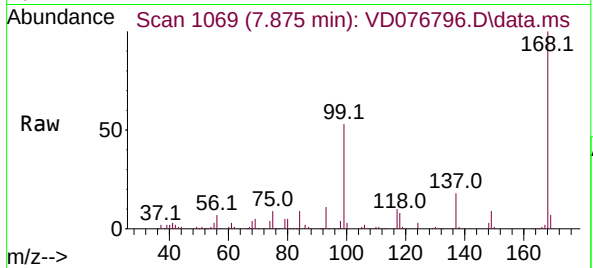




#31
Cyclohexane
Concen: 5.526 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

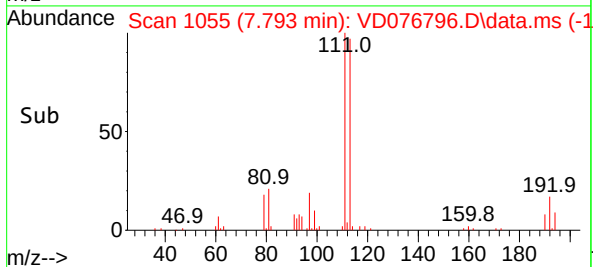
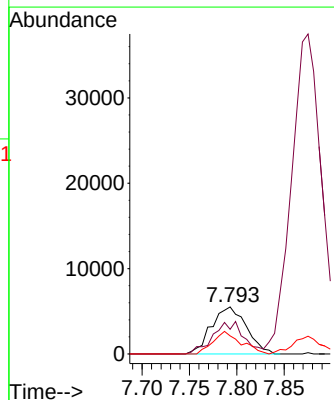
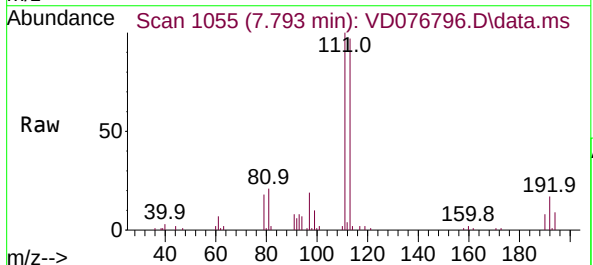
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2023

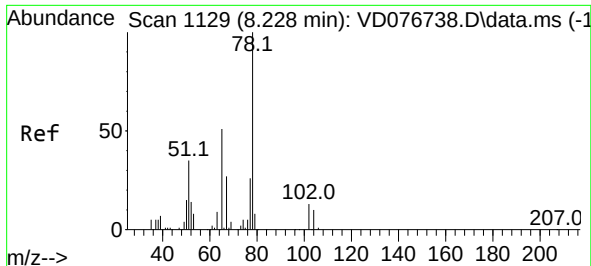
Tgt Ion: 56 Resp: 12218
Ion Ratio Lower Upper
56 100
69 62.8 28.6 43.0#
84 121.6 84.8 127.2



#32
1,1,1-Trichloroethane
Concen: 5.124 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion: 97 Resp: 14154
Ion Ratio Lower Upper
97 100
99 60.9 52.0 78.0
61 38.1 33.8 50.8





#33

1,2-Dichloroethane-d4

Concen: 49.135 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. 0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

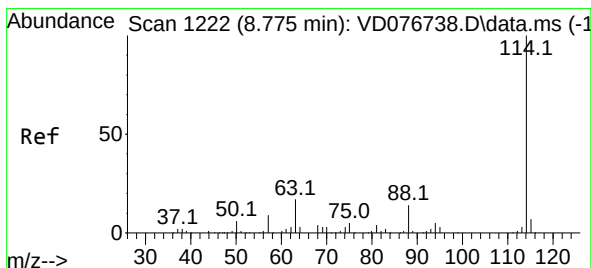
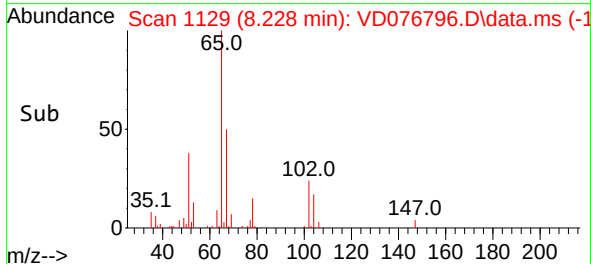
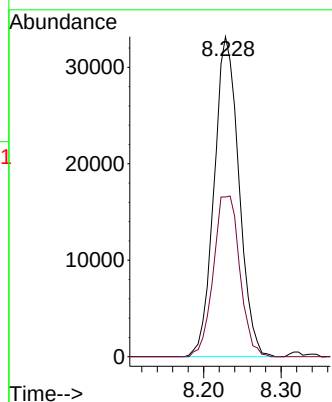
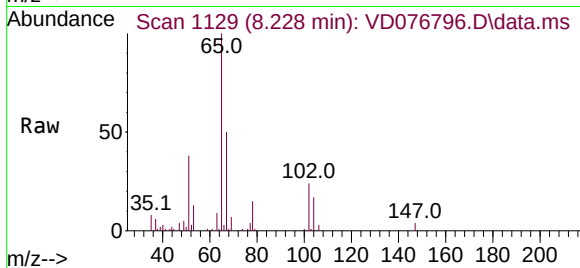
LOQ-SOIL-02-QT3-2023

Tgt Ion: 65 Resp: 73817

Ion Ratio Lower Upper

65 100

67 53.4 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: VD076796.D

Acq: 19 Jul 2023 17:46

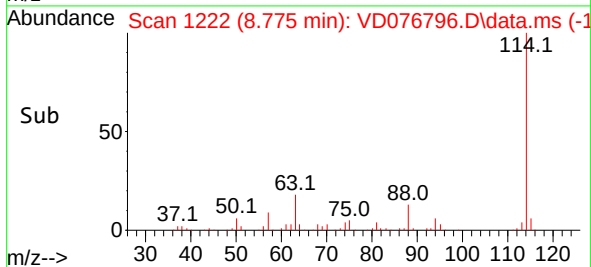
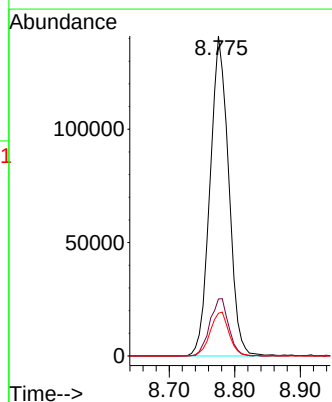
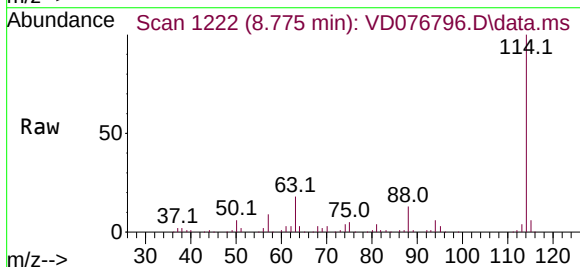
Tgt Ion: 114 Resp: 278115

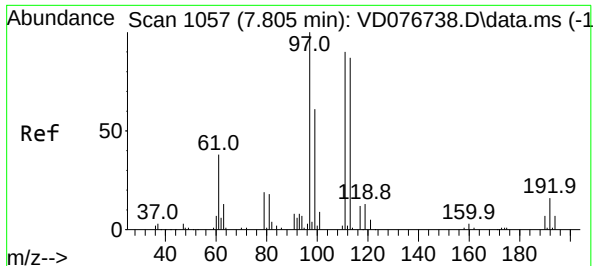
Ion Ratio Lower Upper

114 100

63 17.8 0.0 33.4

88 13.3 0.0 26.2





#35

Dibromofluoromethane

Concen: 49.031 ug/l

RT: 7.805 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

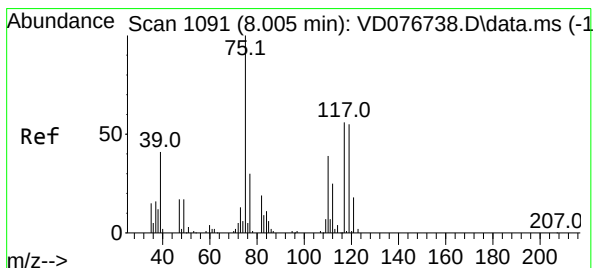
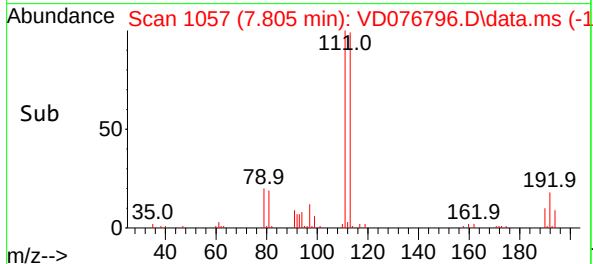
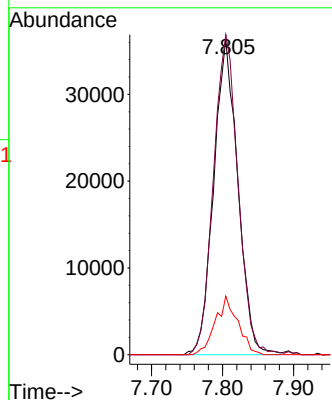
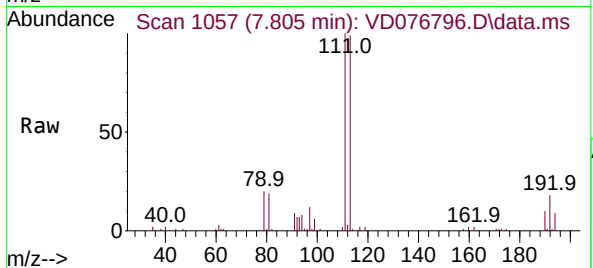
Tgt Ion:113 Resp: 85692

Ion Ratio Lower Upper

113 100

111 103.0 84.7 127.1

192 17.3 16.8 25.2



#36

1,1-Dichloropropene

Concen: 4.663 ug/l

RT: 8.005 min Scan# 1091

Delta R.T. -0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

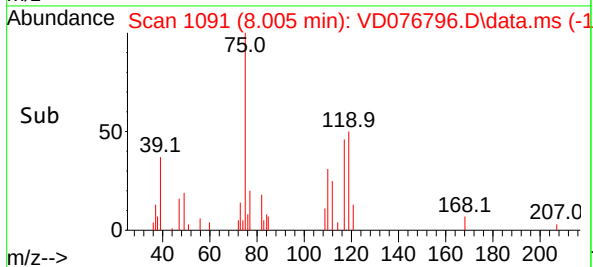
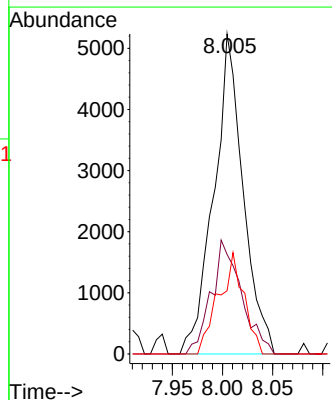
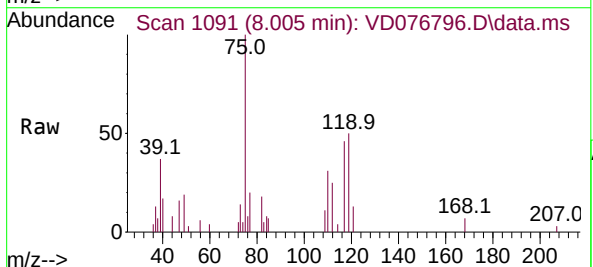
Tgt Ion: 75 Resp: 10650

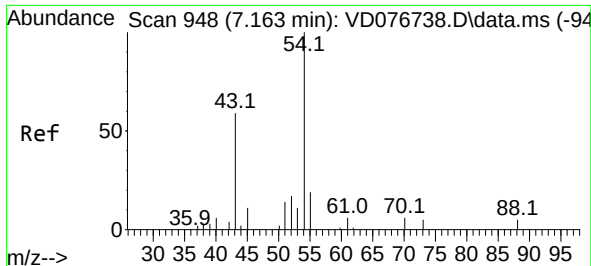
Ion Ratio Lower Upper

75 100

110 36.7 19.9 59.6

77 27.2 24.7 37.1





#37

Ethyl Acetate

Concen: 3.805 ug/l

RT: 7.169 min Scan# 948

Delta R.T. 0.006 min

Lab File: VD076796.D

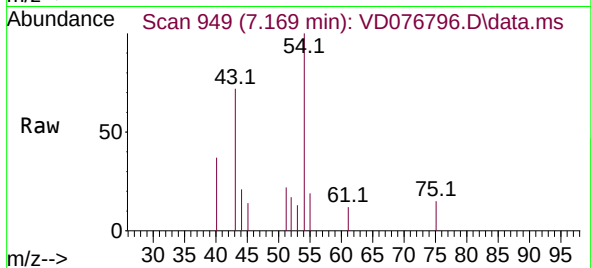
Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023



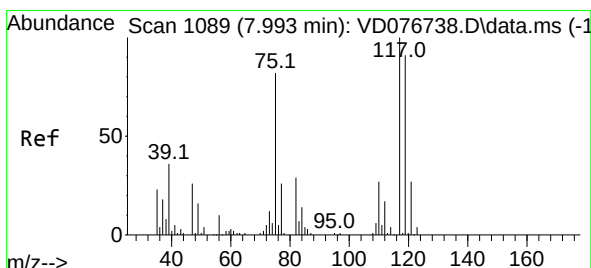
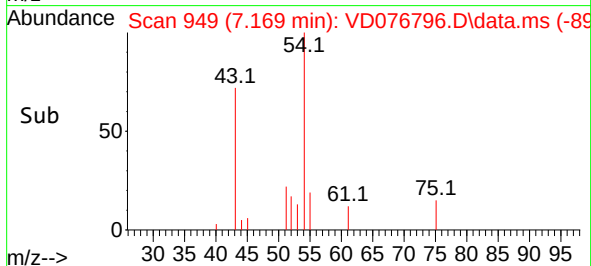
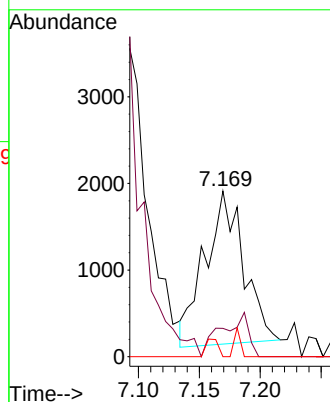
Tgt Ion: 43 Resp: 3886

Ion Ratio Lower Upper

43 100

61 19.9 14.9 22.3

70 3.0 10.0 15.0#



#38

Carbon Tetrachloride

Concen: 4.165 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

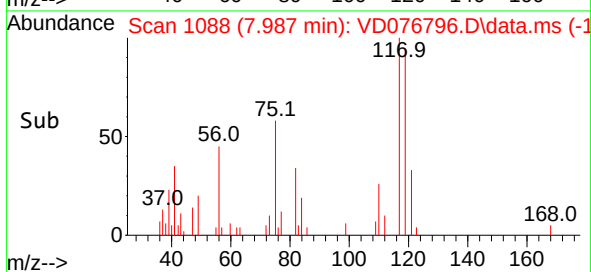
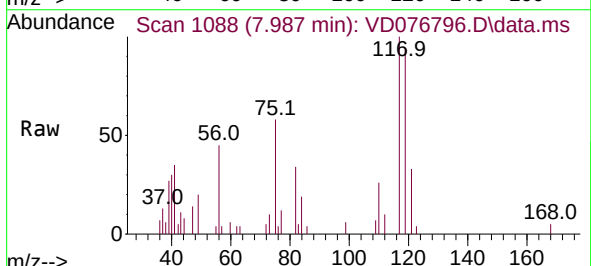
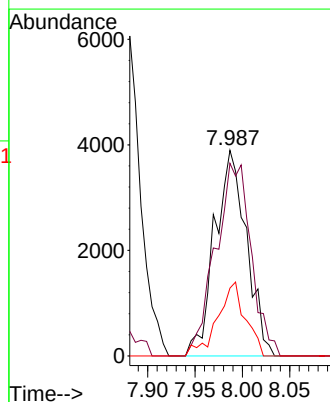
Tgt Ion: 117 Resp: 9108

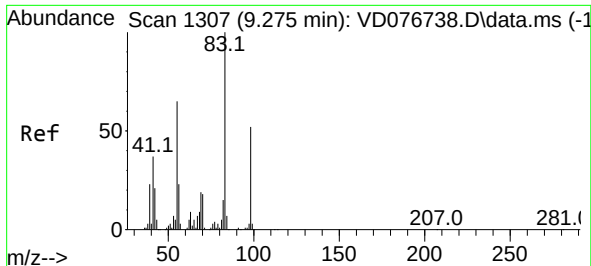
Ion Ratio Lower Upper

117 100

119 93.7 78.0 117.0

121 33.0 24.2 36.2





#39

Methylcyclohexane

Concen: 4.351 ug/l

RT: 9.275 min Scan# 11307

Delta R.T. 0.000 min

Lab File: VD076796.D

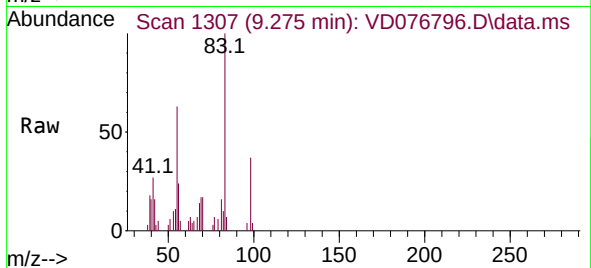
Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023



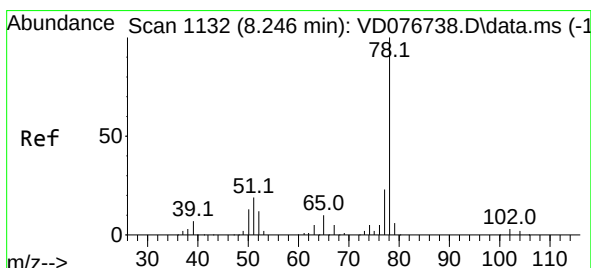
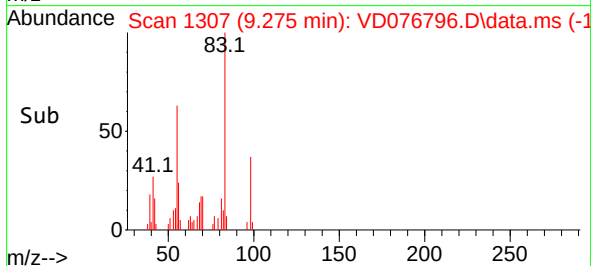
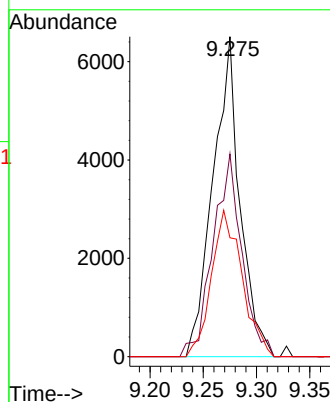
Tgt Ion: 83 Resp: 11473

Ion Ratio Lower Upper

83 100

55 63.4 49.4 74.0

98 37.2 38.4 57.6#



#40

Benzene

Concen: 4.516 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VD076796.D

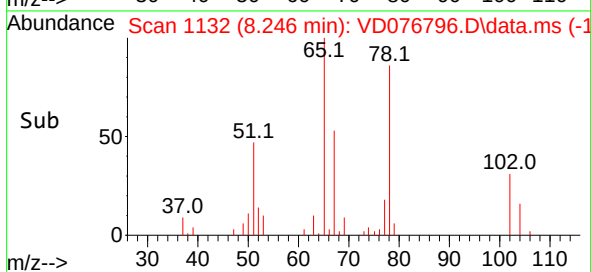
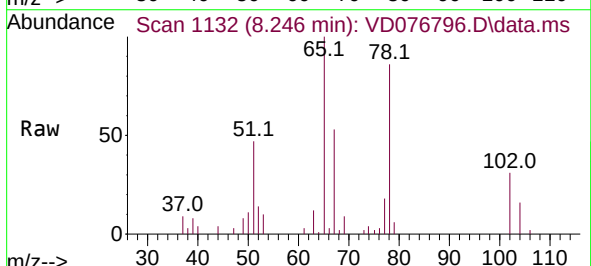
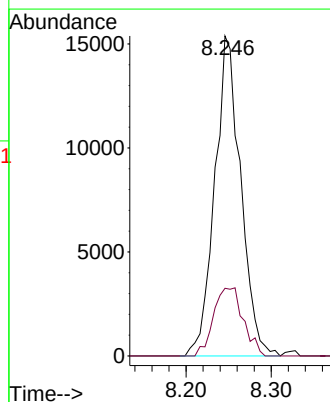
Acq: 19 Jul 2023 17:46

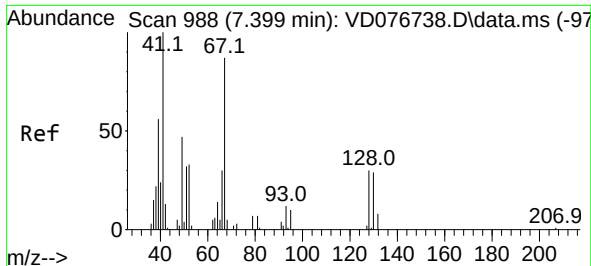
Tgt Ion: 78 Resp: 32544

Ion Ratio Lower Upper

78 100

77 21.2 19.4 29.0

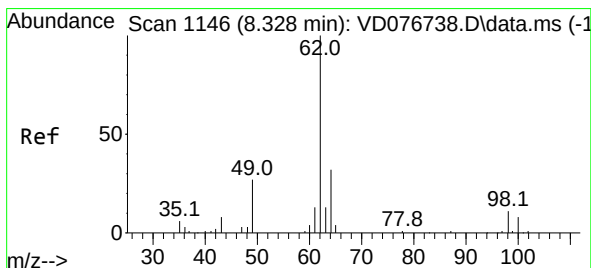
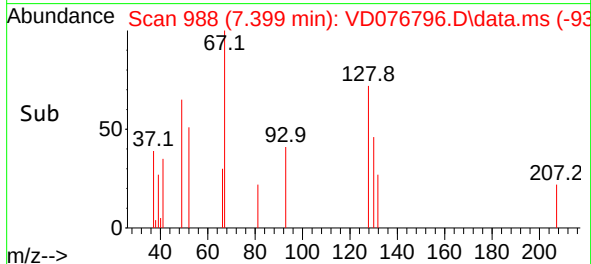
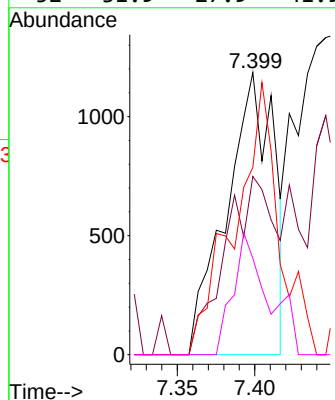
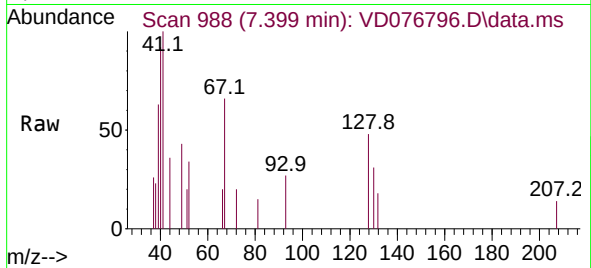




#41
Methacrylonitrile
Concen: 4.063 ug/l
RT: 7.399 min Scan# 91
Delta R.T. -0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

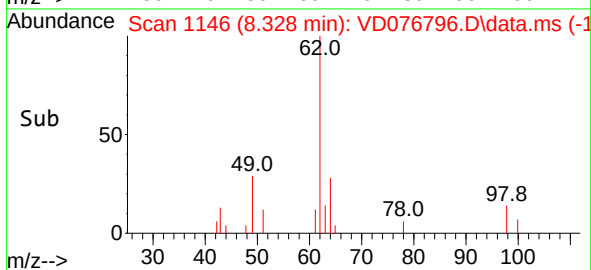
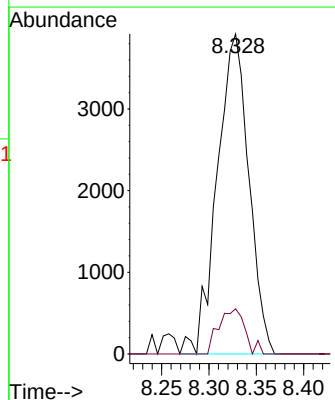
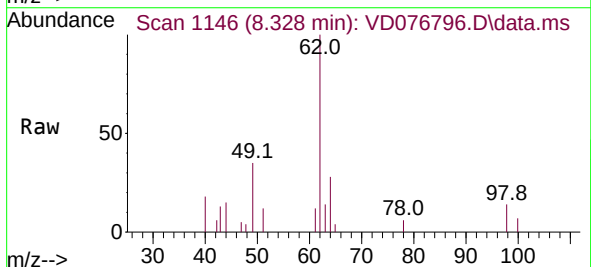
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

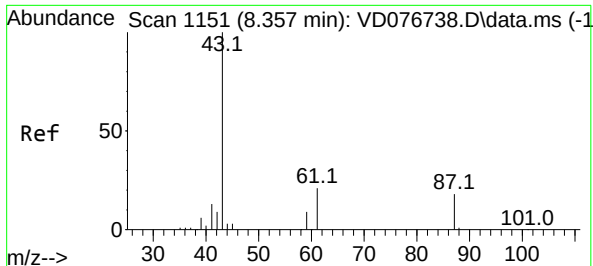
Tgt Ion:	41	Resp:	2534
Ion	Ratio	Lower	Upper
41	100		
39	66.1	34.0	51.0#
67	89.6	77.0	115.4
52	31.9	27.9	41.9



#42
1,2-Dichloroethane
Concen: 4.864 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion:	62	Resp:	9107
Ion	Ratio	Lower	Upper
62	100		
98	11.7	0.0	25.4

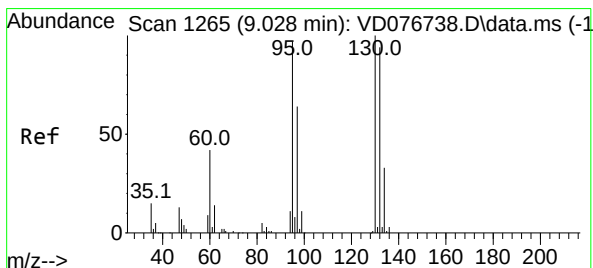
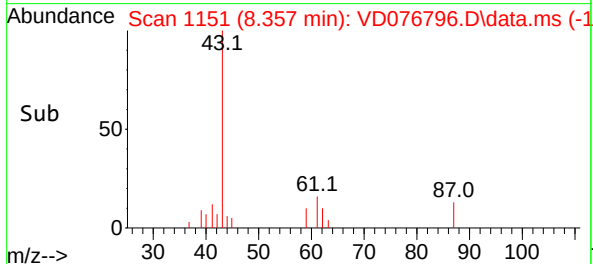
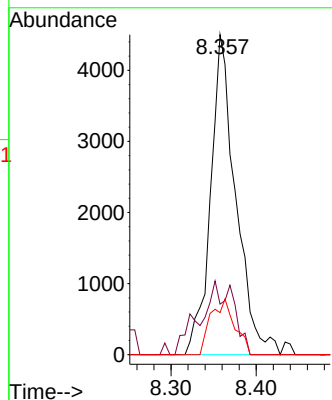
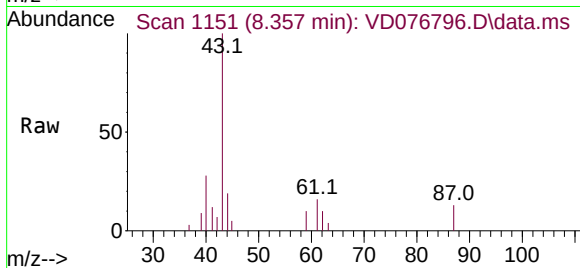




#43
Isopropyl Acetate
Concen: 4.657 ug/l
RT: 8.357 min Scan# 1151
Delta R.T. 0.001 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

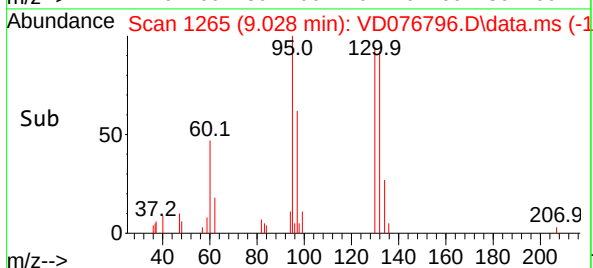
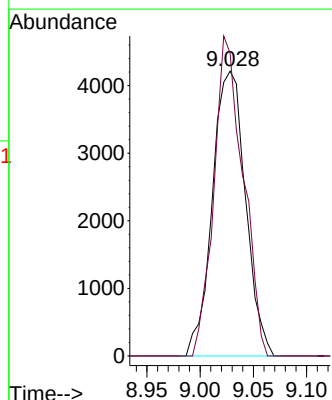
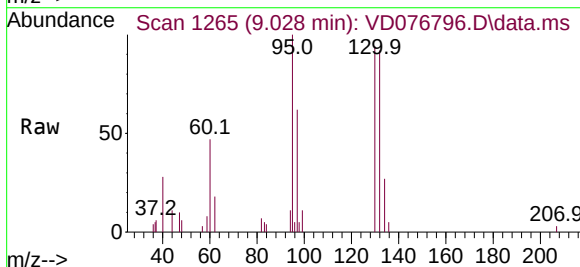
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2023

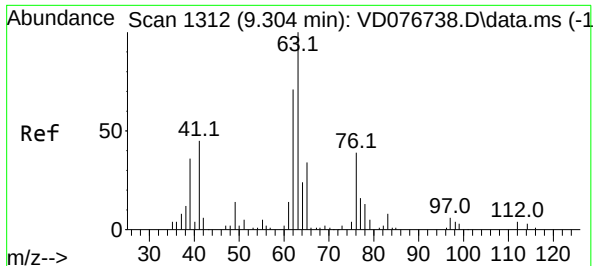
Tgt Ion: 43 Resp: 9283
Ion Ratio Lower Upper
43 100
61 30.5 31.4 47.0#
87 16.6 14.9 22.3



#44
Trichloroethene
Concen: 4.638 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion:130 Resp: 9108
Ion Ratio Lower Upper
130 100
95 106.2 0.0 179.2





#45

1,2-Dichloropropane

Concen: 4.759 ug/l

RT: 9.310 min Scan# 1313

Delta R.T. 0.006 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

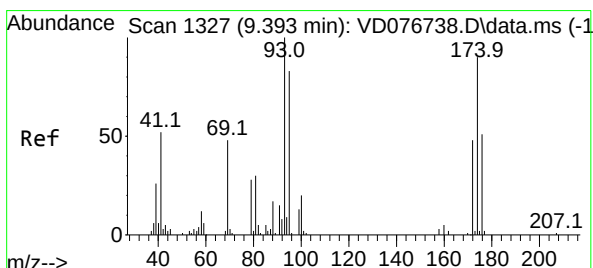
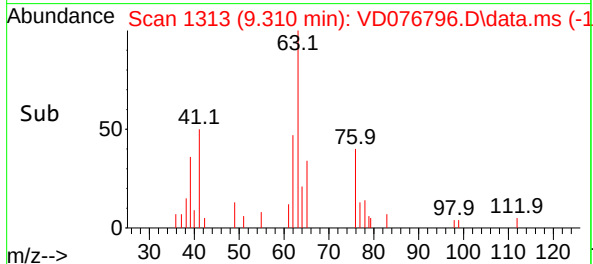
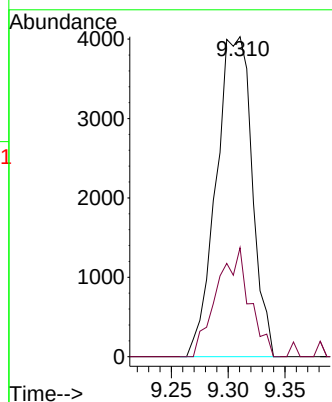
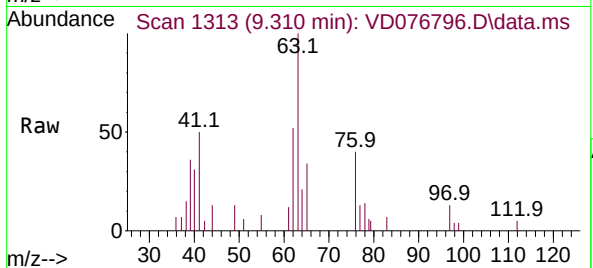
LOQ-SOIL-02-QT3-2023

Tgt Ion: 63 Resp: 8853

Ion Ratio Lower Upper

63 100

65 34.1 24.5 36.7



#46

Dibromomethane

Concen: 4.512 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

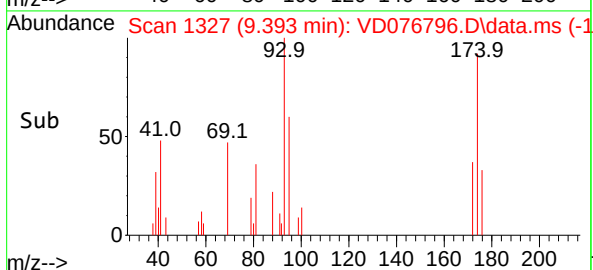
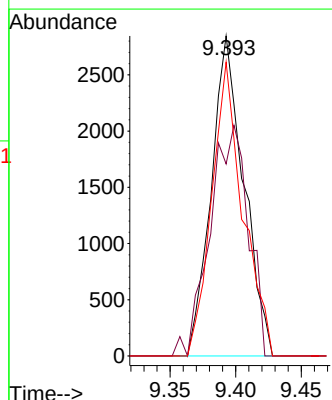
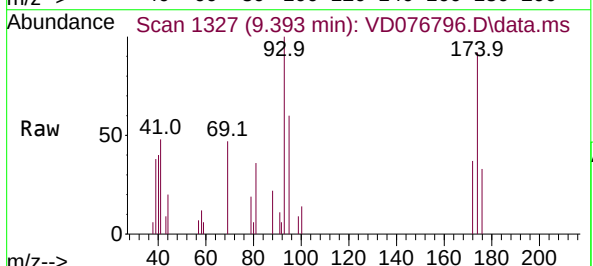
Tgt Ion: 93 Resp: 4913

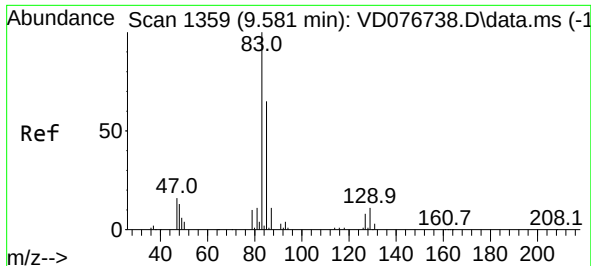
Ion Ratio Lower Upper

93 100

95 85.0 67.7 101.5

174 87.8 85.4 128.2





#47

Bromodichloromethane

Concen: 4.778 ug/l

RT: 9.581 min Scan# 1359

Delta R.T. -0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

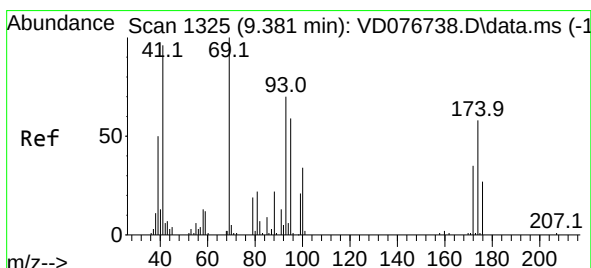
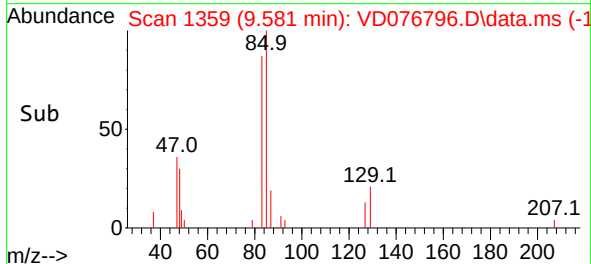
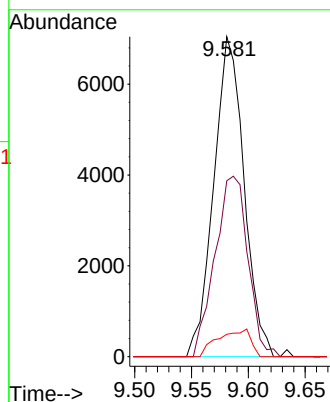
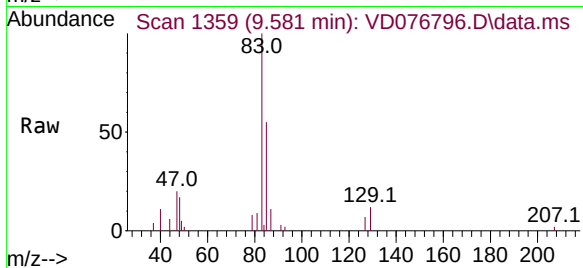
Tgt Ion: 83 Resp: 13054

Ion Ratio Lower Upper

83 100

85 55.0 50.2 75.4

127 7.0 6.3 9.5



#48

Methyl methacrylate

Concen: 4.457 ug/l

RT: 9.381 min Scan# 1325

Delta R.T. -0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

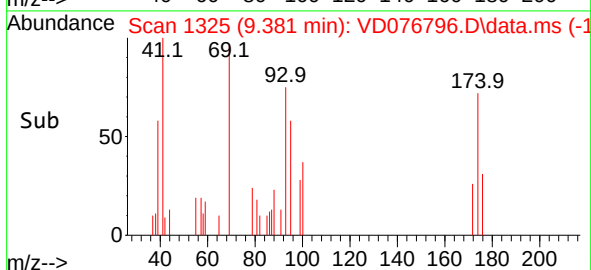
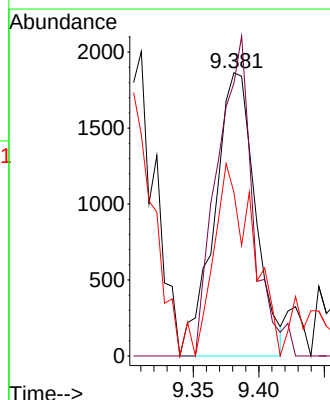
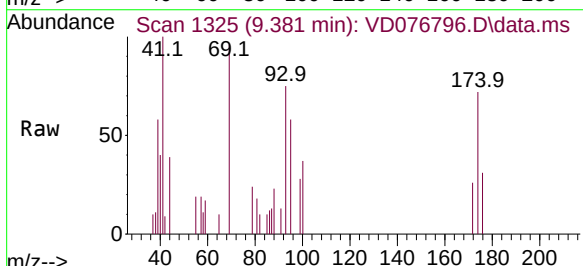
Tgt Ion: 41 Resp: 4043

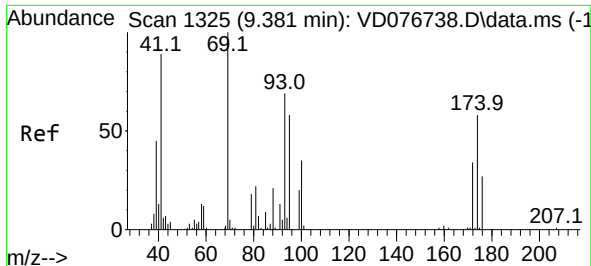
Ion Ratio Lower Upper

41 100

69 98.3 102.2 153.2#

39 63.3 41.4 62.2#





#49

1,4-Dioxane

Concen: 65.092 ug/l m

RT: 9.387 min Scan# 1

Delta R.T. 0.006 min

Lab File: VD076796.D

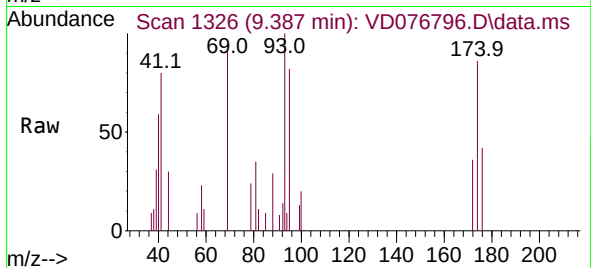
Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023



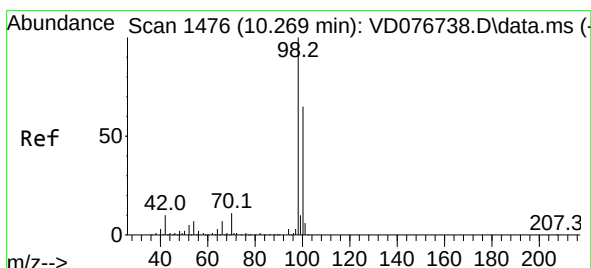
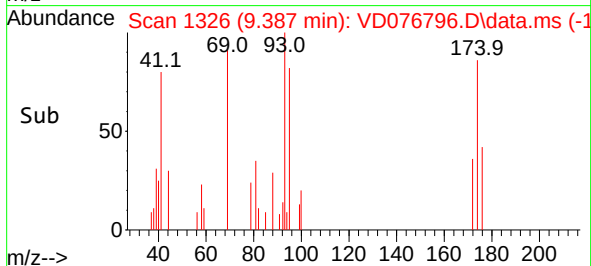
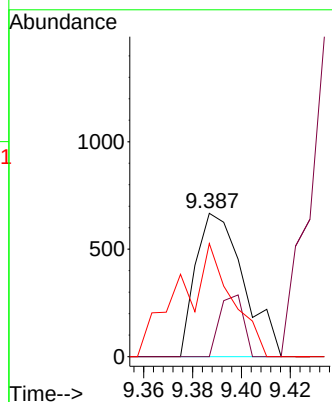
Tgt Ion: 88 Resp: 908

Ion Ratio Lower Upper

88 100

43 21.3 19.0 28.6

58 87.1 43.5 65.3#



#50

Toluene-d8

Concen: 44.916 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD076796.D

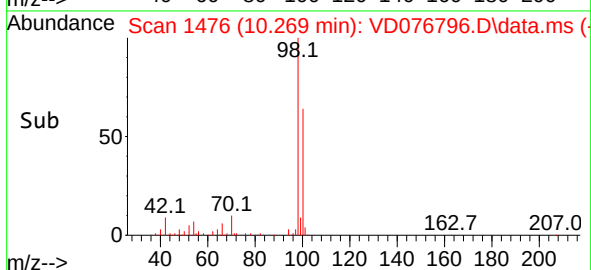
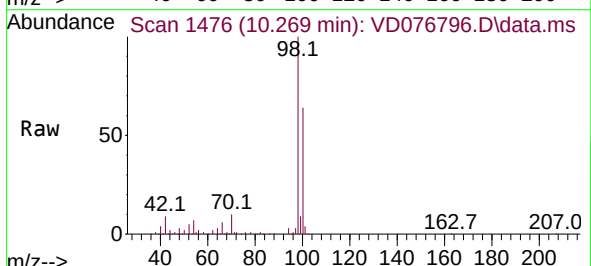
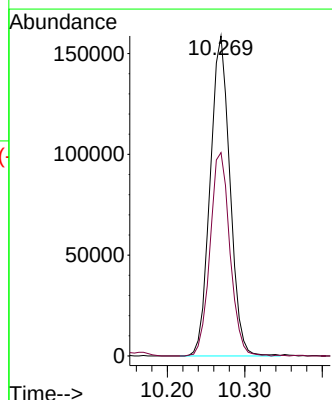
Acq: 19 Jul 2023 17:46

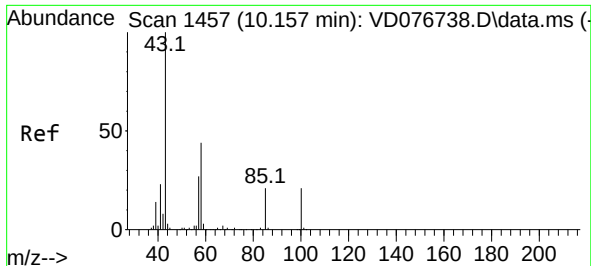
Tgt Ion: 98 Resp: 280823

Ion Ratio Lower Upper

98 100

100 63.8 50.3 75.5

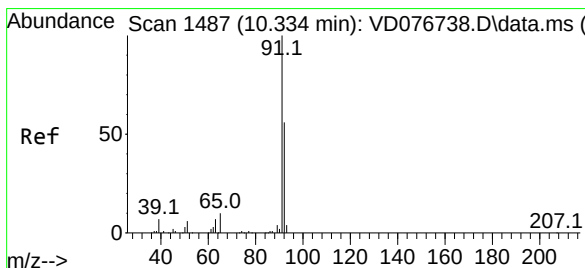
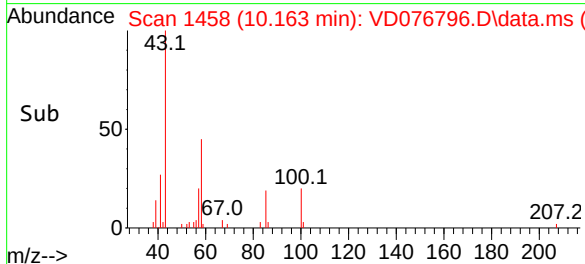
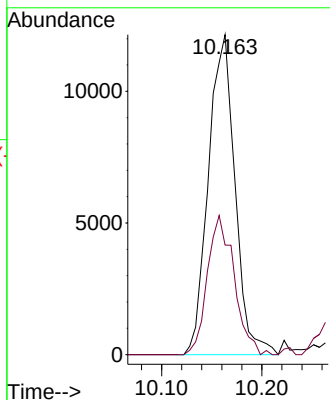
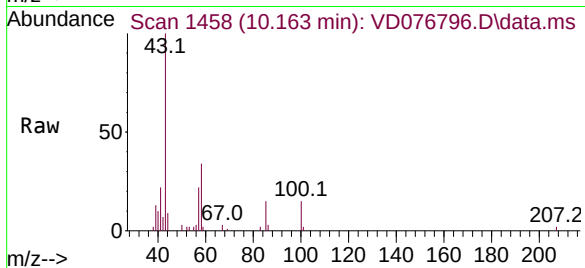




#51
4-Methyl-2-Pentanone
Concen: 21.135 ug/l
RT: 10.163 min Scan# 1458
Delta R.T. 0.006 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

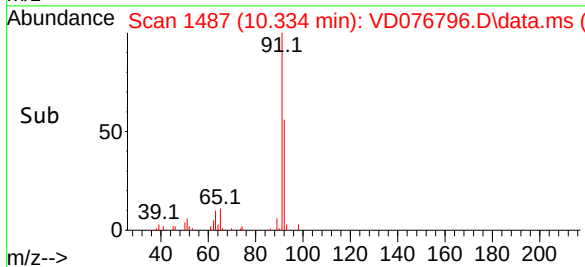
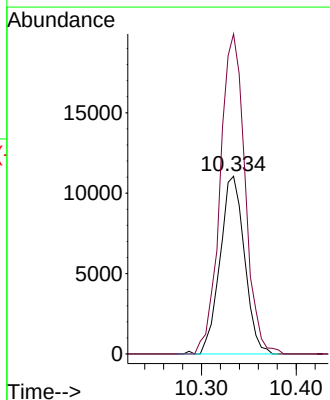
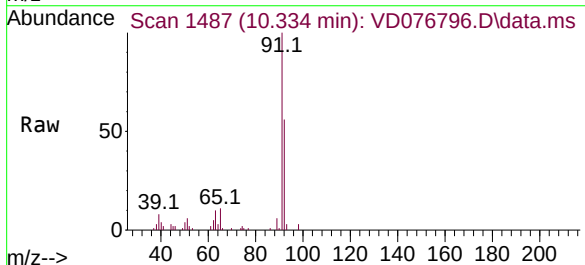
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

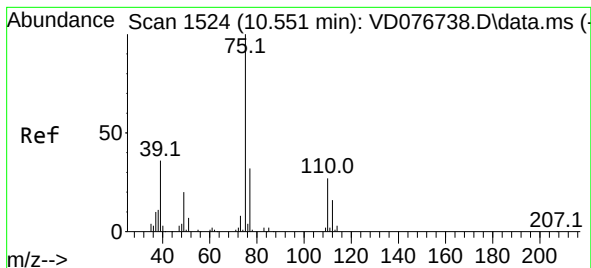
Tgt Ion: 43 Resp: 22429
Ion Ratio Lower Upper
43 100
58 43.8 38.9 58.3



#52
Toluene
Concen: 4.191 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion: 92 Resp: 19834
Ion Ratio Lower Upper
92 100
91 183.3 143.0 214.4

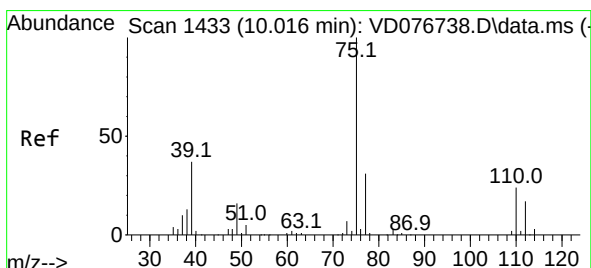
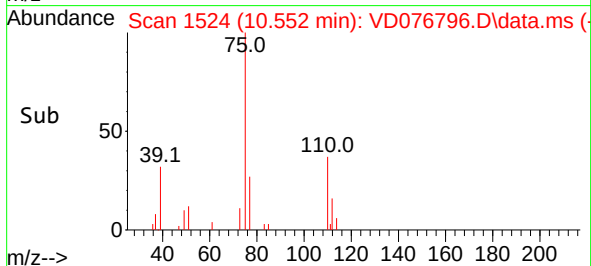
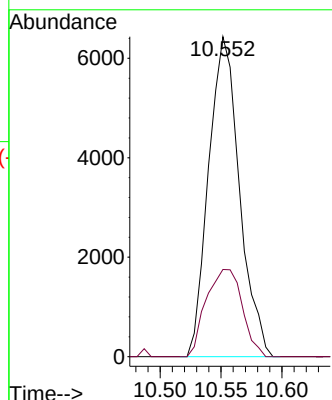
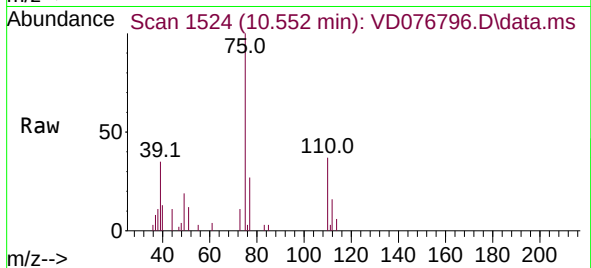




#53
t-1,3-Dichloropropene
Concen: 4.477 ug/l
RT: 10.552 min Scan# 11355
Delta R.T. 0.001 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

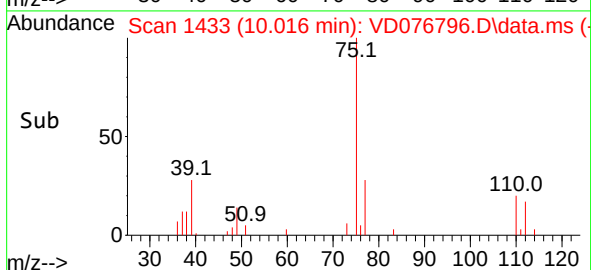
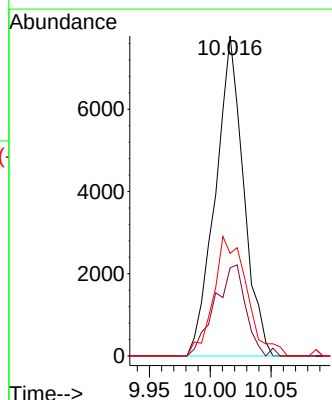
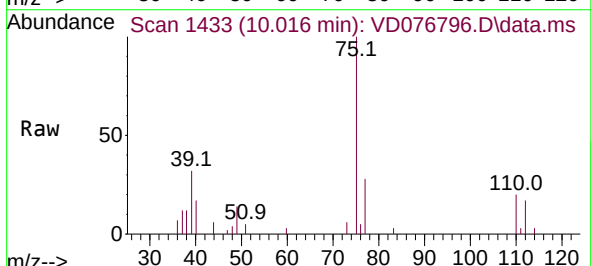
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

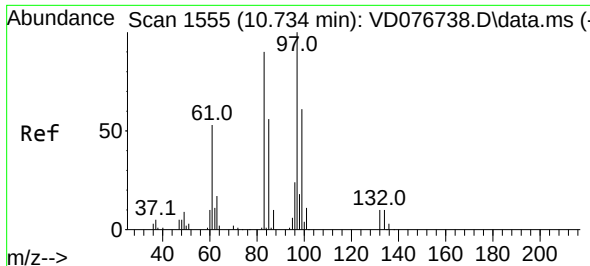
Tgt Ion	Ratio	Lower	Upper
75	100		
77	27.2	25.3	37.9



#54
cis-1,3-Dichloropropene
Concen: 4.191 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion	Ratio	Lower	Upper
75	100		
77	27.6	25.5	38.3
39	32.1	22.1	33.1

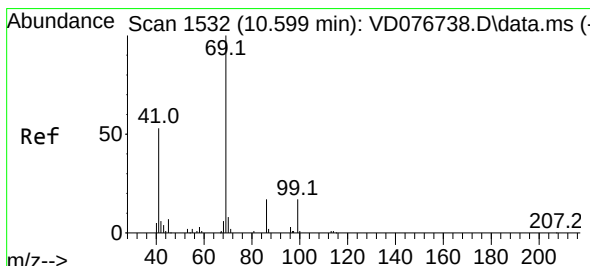
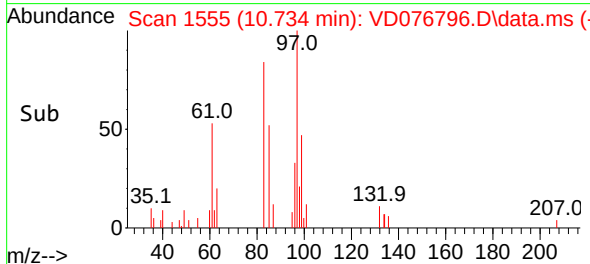
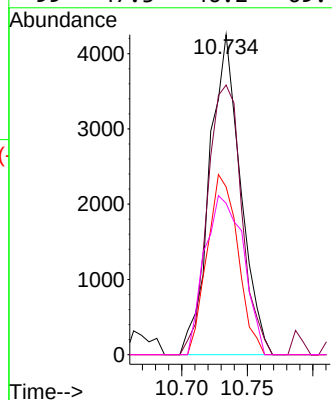
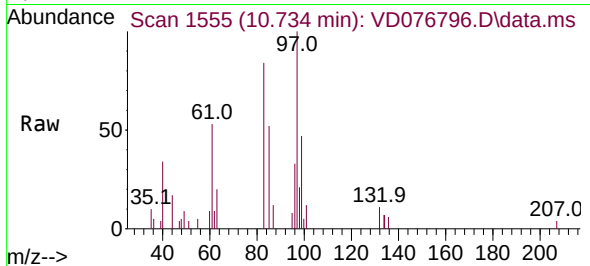




#55
1,1,2-Trichloroethane
Concen: 4.412 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

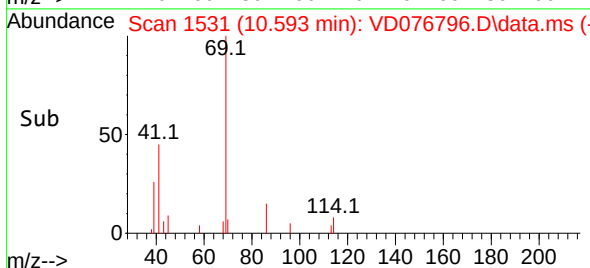
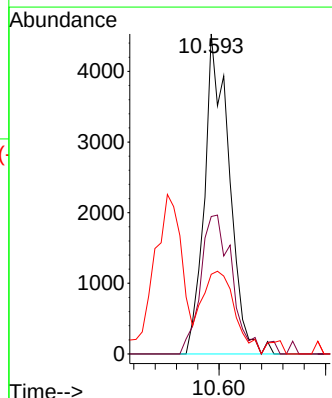
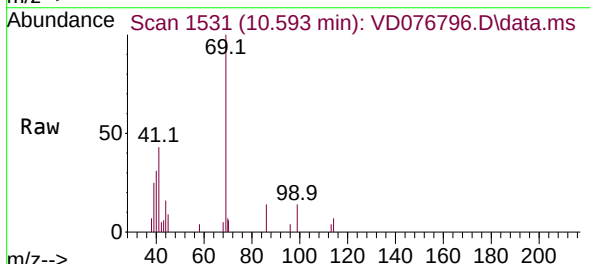
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

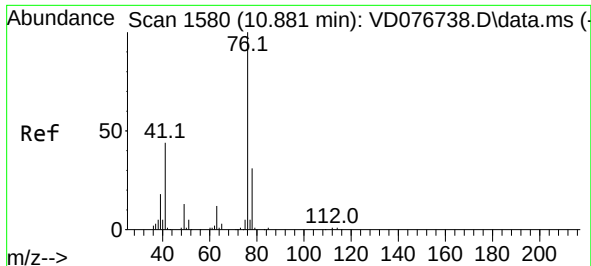
Tgt Ion: 97	Resp:	7015	
Ion	Ratio	Lower	Upper
97	100		
83	84.3	65.8	98.6
85	52.4	45.7	68.5
99	47.3	46.2	69.4



#56
Ethyl methacrylate
Concen: 3.975 ug/l
RT: 10.593 min Scan# 1531
Delta R.T. -0.006 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion: 69	Resp:	7294	
Ion Ratio	Lower	Upper	
69 100			
41 54.5	39.1	58.7	
39 34.1	20.0	30.0	#





#57

1,3-Dichloropropane

Concen: 4.542 ug/l

RT: 10.881 min Scan# 11760

Delta R.T. -0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

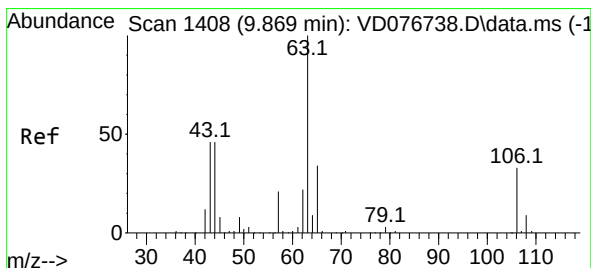
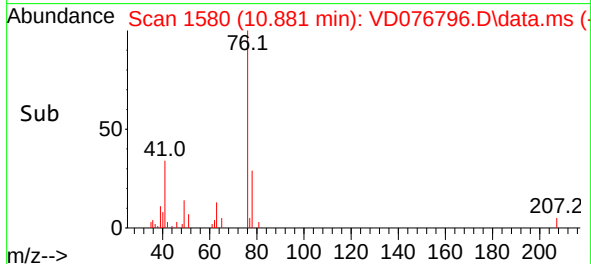
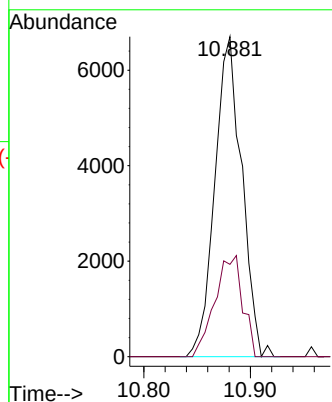
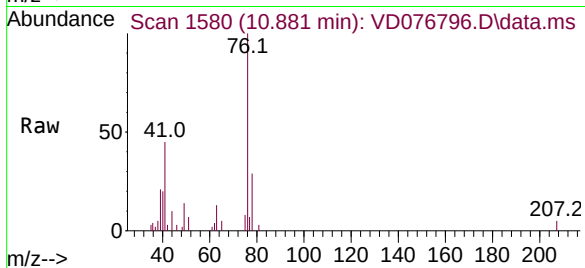
LOQ-SOIL-02-QT3-2023

Tgt Ion: 76 Resp: 11760

Ion Ratio Lower Upper

76 100

78 32.6 26.4 39.6



#58

2-Chloroethyl Vinyl ether

Concen: 22.706 ug/l

RT: 9.869 min Scan# 1408

Delta R.T. 0.000 min

Lab File: VD076796.D

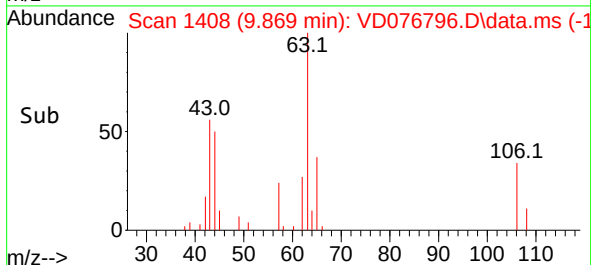
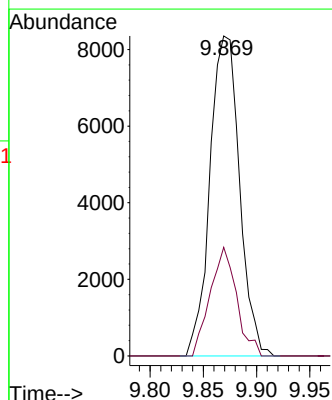
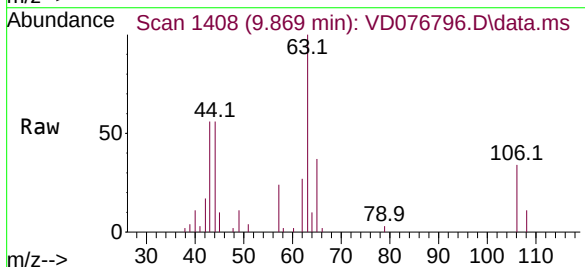
Acq: 19 Jul 2023 17:46

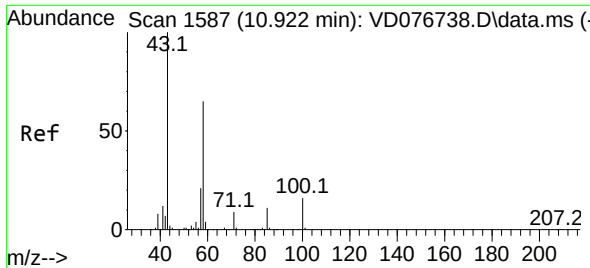
Tgt Ion: 63 Resp: 16128

Ion Ratio Lower Upper

63 100

106 30.4 25.3 37.9

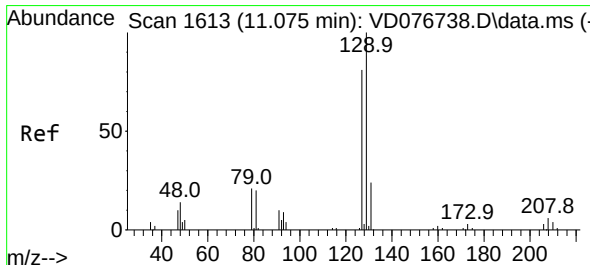
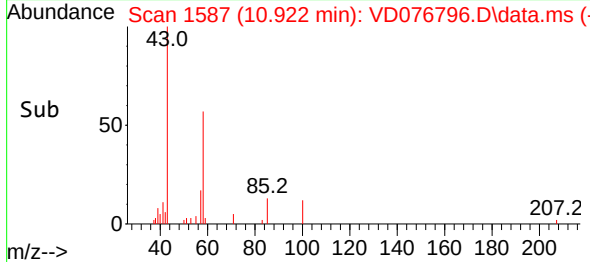
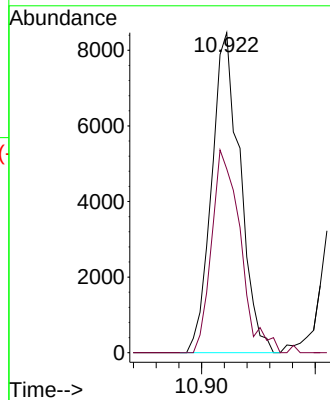
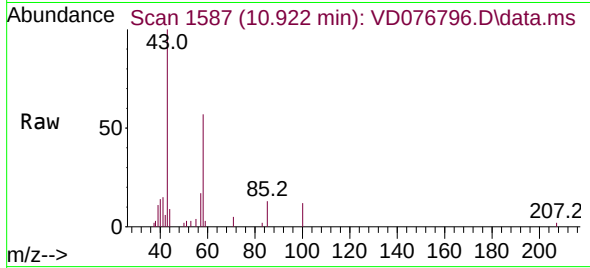




#59
2-Hexanone
Concen: 19.383 ug/l
RT: 10.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

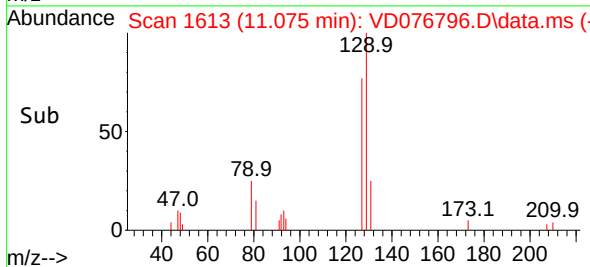
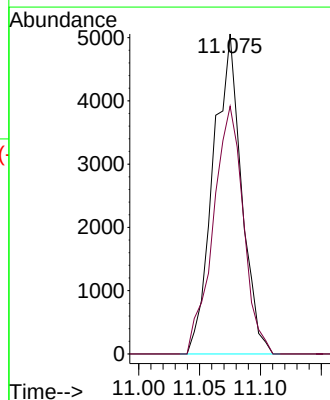
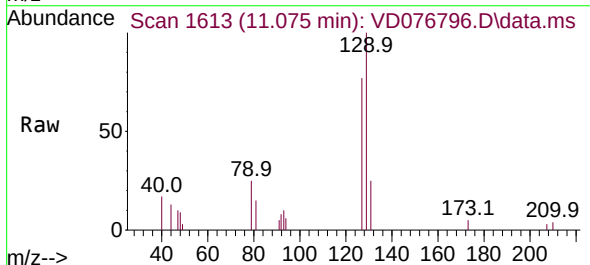
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

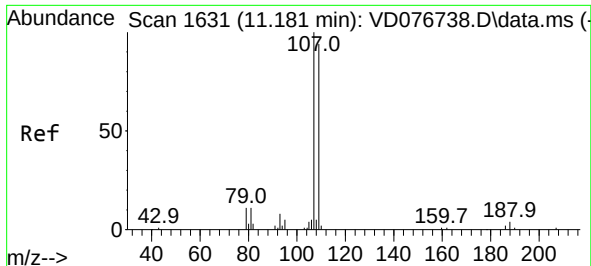
Tgt Ion: 43 Resp: 14678
Ion Ratio Lower Upper
43 100
58 64.0 34.1 102.2



#60
Dibromochloromethane
Concen: 4.422 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion: 129 Resp: 8167
Ion Ratio Lower Upper
129 100
127 82.8 37.1 111.5

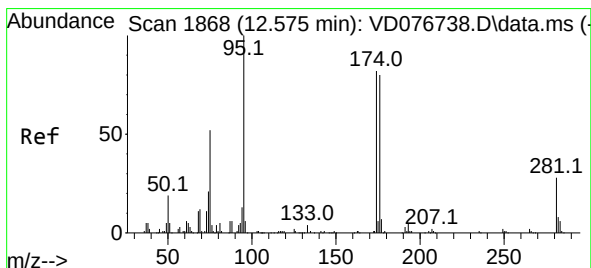
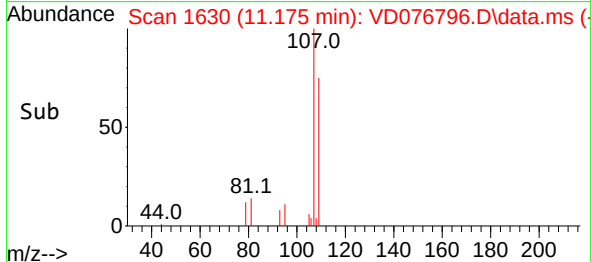
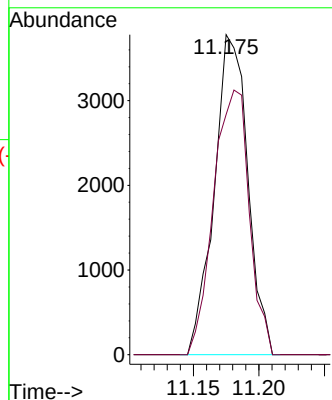
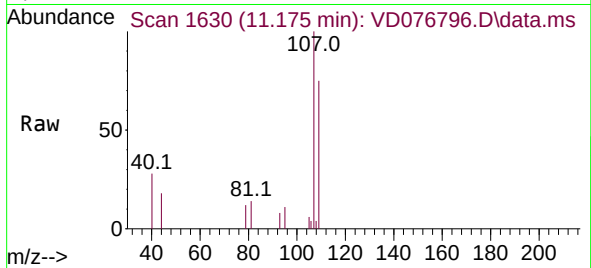




#61
1,2-Dibromoethane
Concen: 4.557 ug/l
RT: 11.175 min Scan# 1630
Delta R.T. -0.006 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

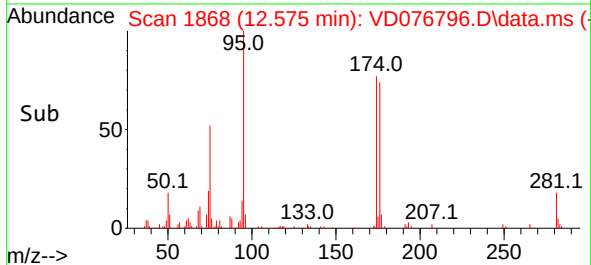
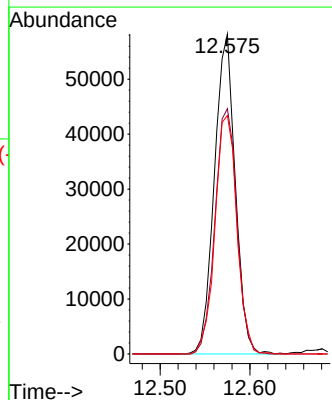
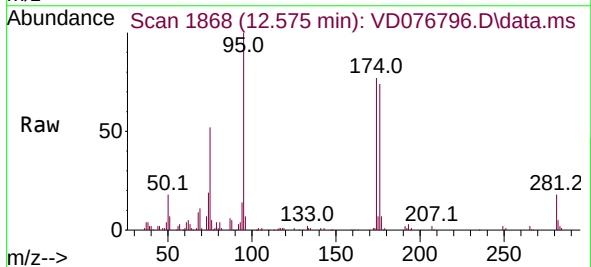
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

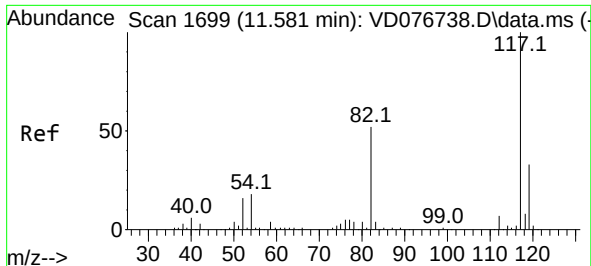
Tgt Ion:107 Resp: 6717
Ion Ratio Lower Upper
107 100
109 88.1 75.6 113.4



#62
4-Bromofluorobenzene
Concen: 46.452 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion: 95 Resp: 93952
Ion Ratio Lower Upper
95 100
174 80.4 0.0 201.8
176 77.9 0.0 191.8

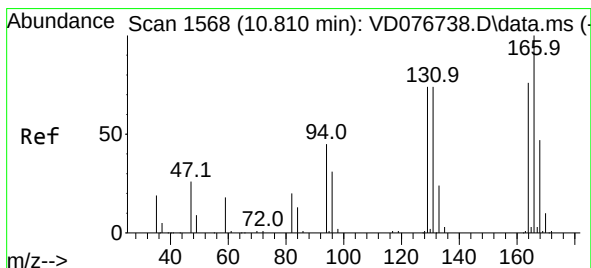
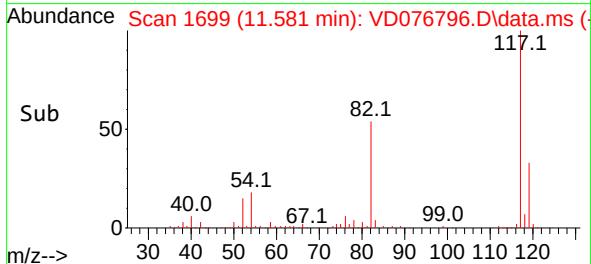
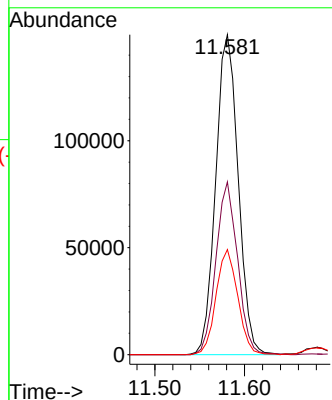
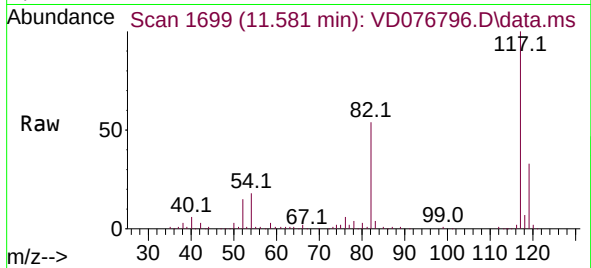




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

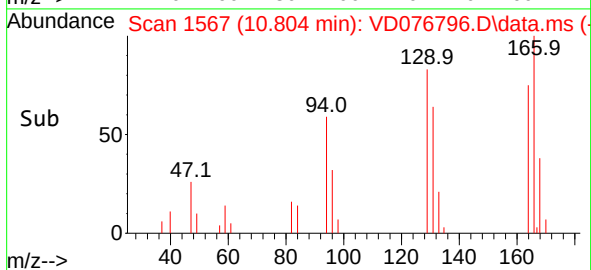
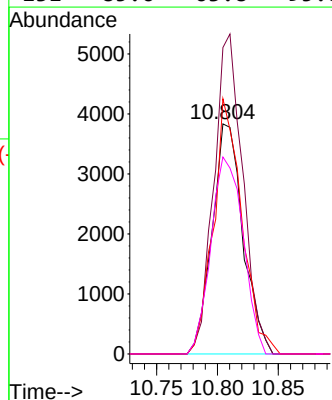
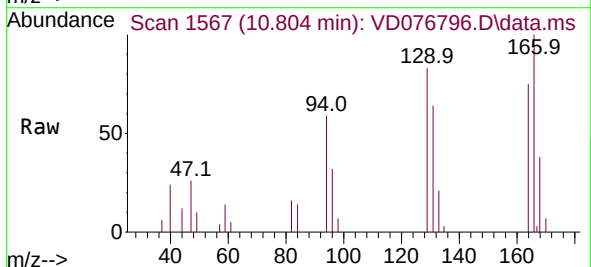
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

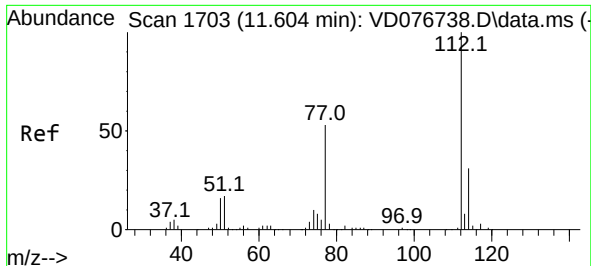
Tgt Ion:117 Resp: 260643
Ion Ratio Lower Upper
117 100
82 54.0 38.3 57.5
119 32.9 25.0 37.4



#64
Tetrachloroethene
Concen: 4.542 ug/l
RT: 10.804 min Scan# 1567
Delta R.T. -0.006 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion:164 Resp: 6751
Ion Ratio Lower Upper
164 100
166 133.1 99.2 148.8
129 110.9 68.4 102.6#
131 85.6 63.8 95.8

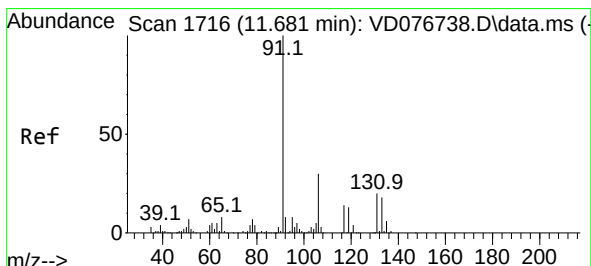
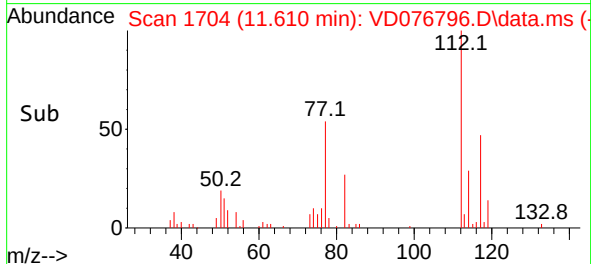
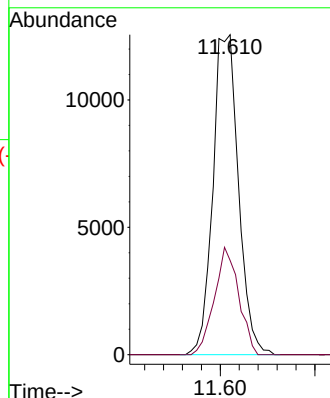
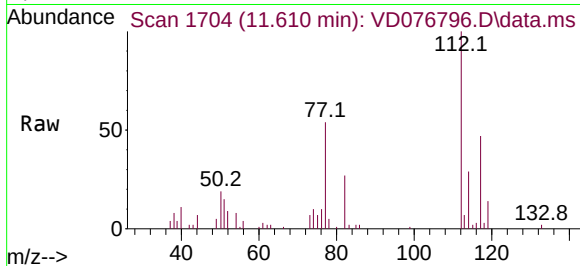




#65
Chlorobenzene
Concen: 4.497 ug/l
RT: 11.610 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

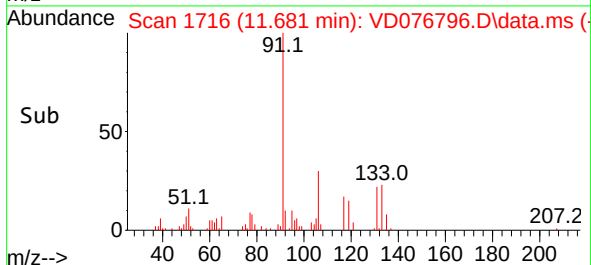
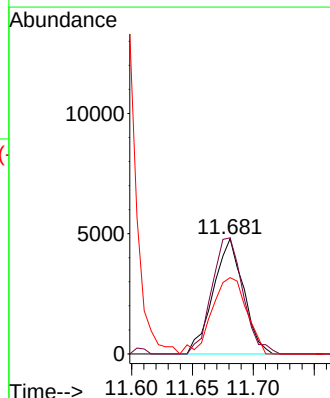
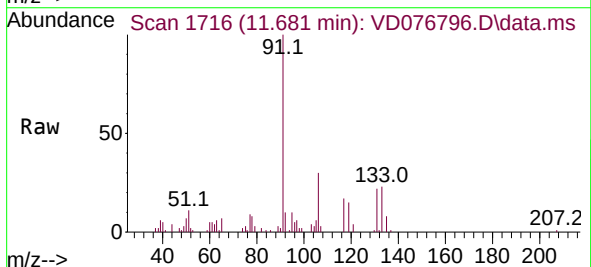
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

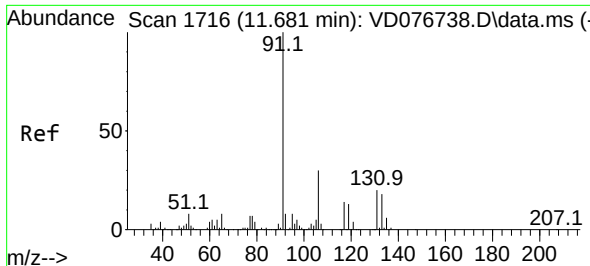
Tgt Ion:112 Resp: 23571
Ion Ratio Lower Upper
112 100
114 29.5 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 4.238 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion:131 Resp: 8271
Ion Ratio Lower Upper
131 100
133 103.9 48.5 145.5
119 76.1 35.6 106.9

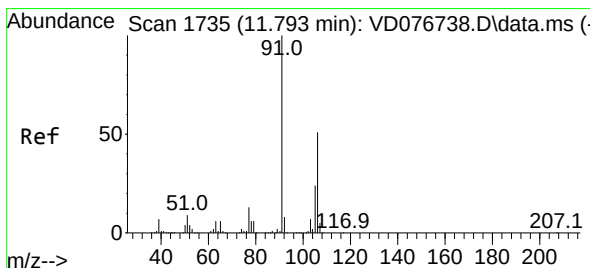
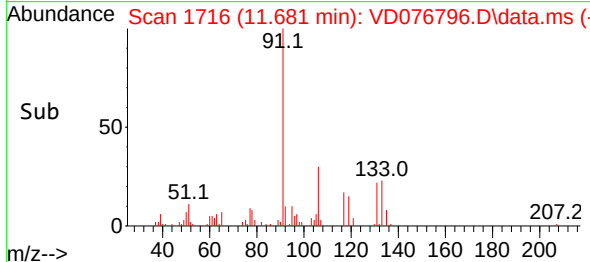
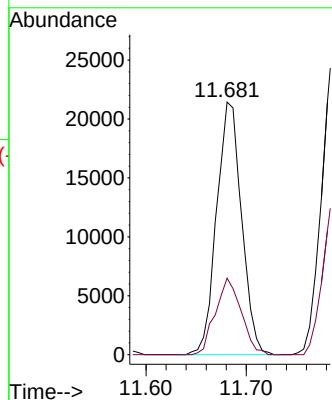
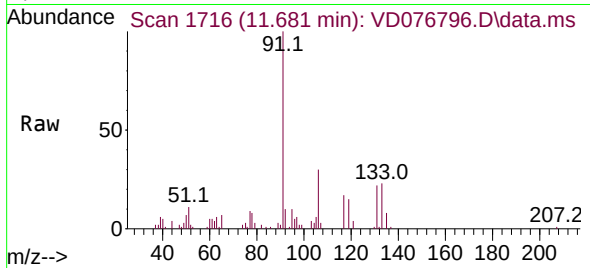




#67
Ethyl Benzene
Concen: 4.028 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

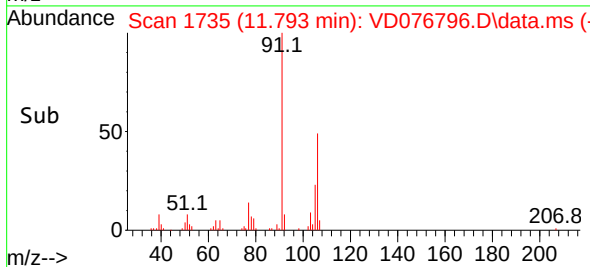
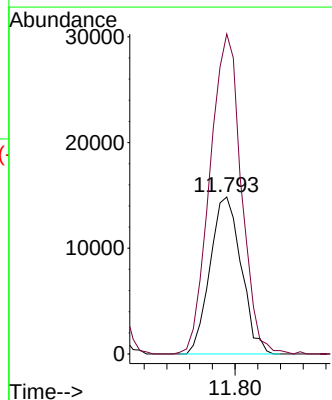
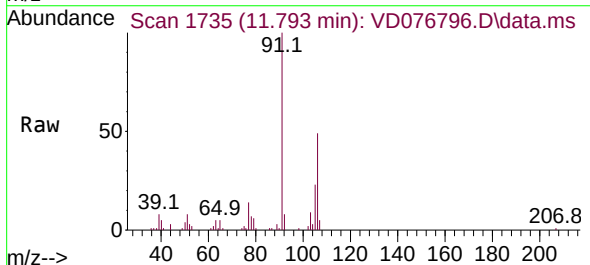
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

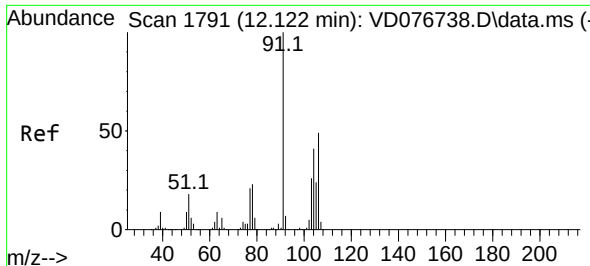
Tgt Ion: 91 Resp: 37085
Ion Ratio Lower Upper
91 100
106 30.2 26.5 39.7



#68
m/p-Xylenes
Concen: 8.009 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion: 106 Resp: 28319
Ion Ratio Lower Upper
106 100
91 205.6 147.0 220.6

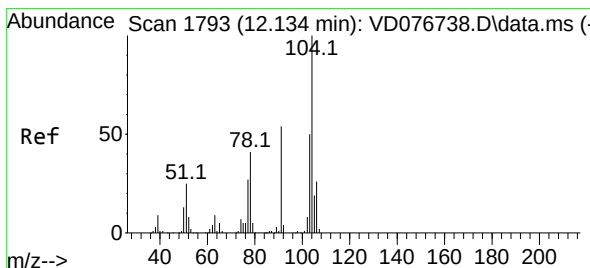
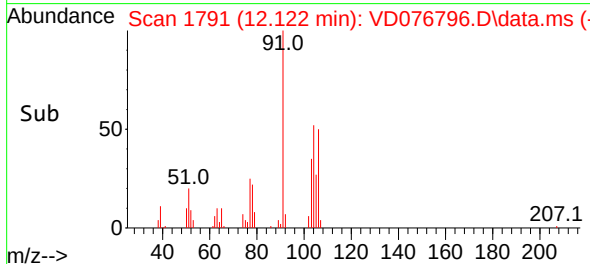
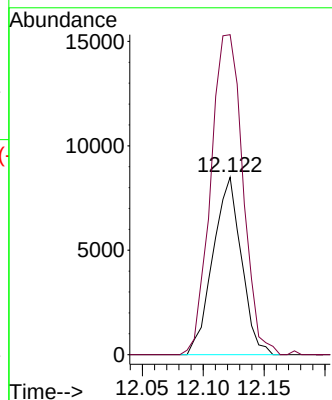
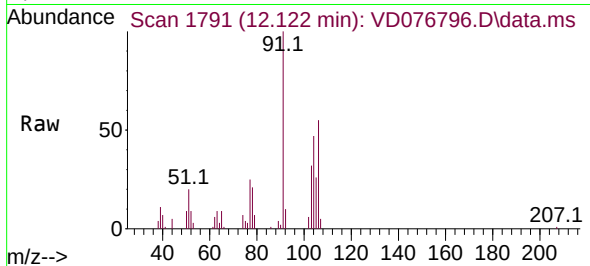




#69
o-Xylene
Concen: 4.040 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

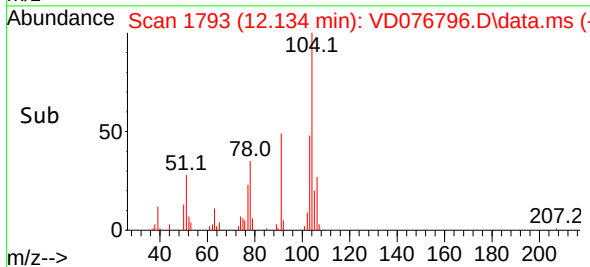
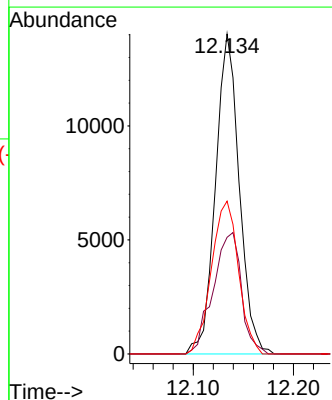
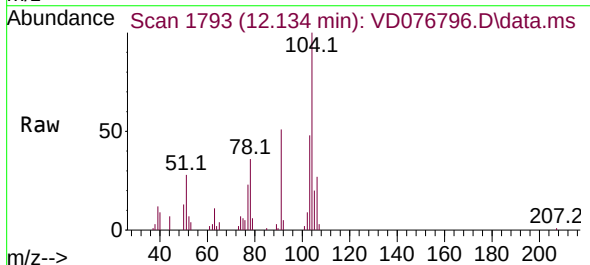
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

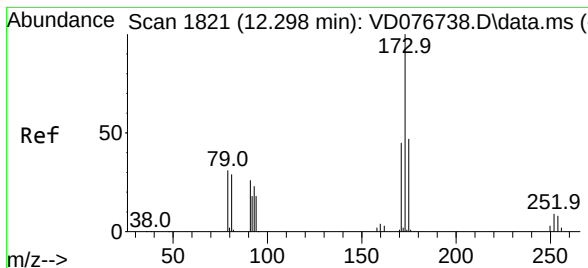
Tgt Ion:106 Resp: 13813
Ion Ratio Lower Upper
106 100
91 203.4 97.9 293.6



#70
Styrene
Concen: 3.854 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion:104 Resp: 23065
Ion Ratio Lower Upper
104 100
78 45.1 33.2 49.8
103 54.6 43.6 65.4





#71

Bromoform

Concen: 4.316 ug/l

RT: 12.298 min Scan# 1821

Delta R.T. 0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

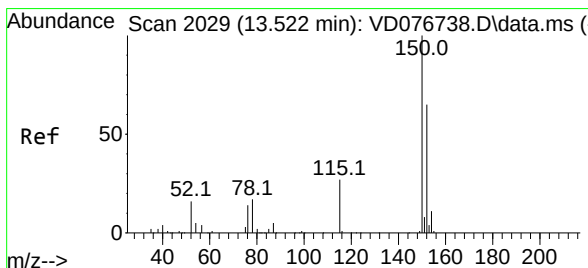
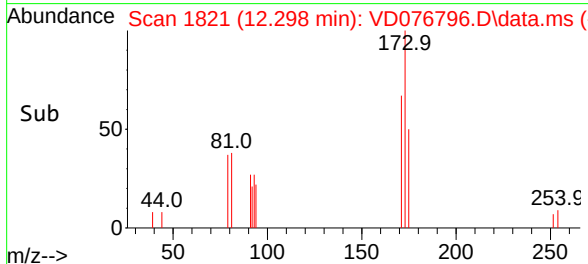
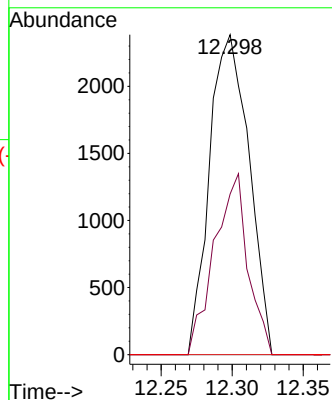
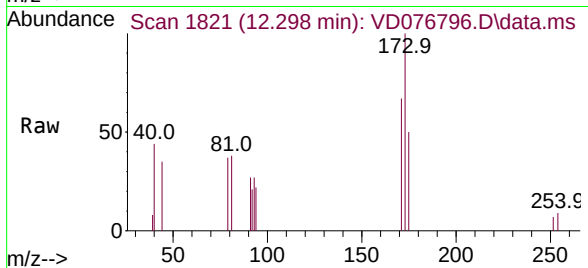
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion:173	Resp:	4613
Ion Ratio	Lower	Upper
173	100	
175	48.0	24.6 73.8
254	0.0	0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

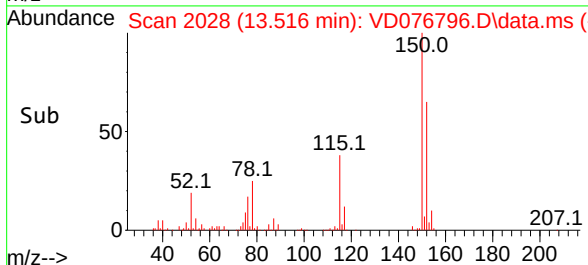
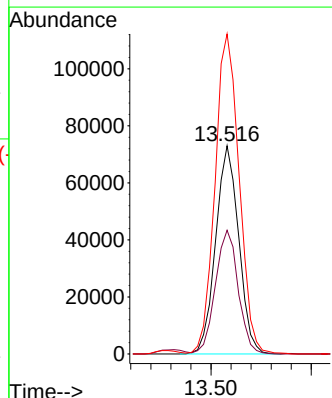
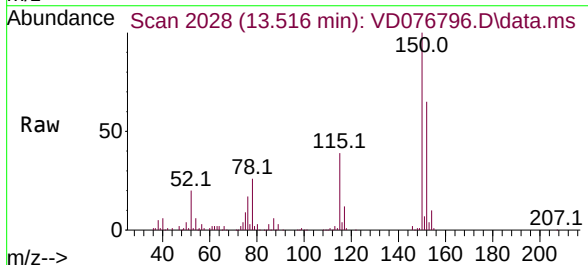
RT: 13.516 min Scan# 2028

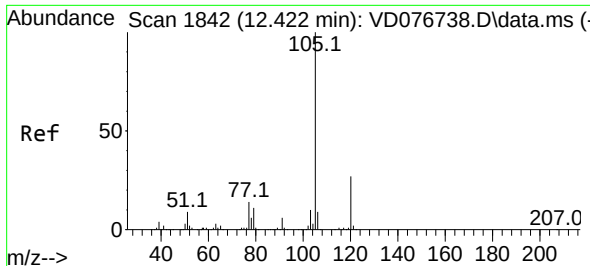
Delta R.T. -0.006 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Tgt Ion:152	Resp:	116447
Ion Ratio	Lower	Upper
152	100	
115	58.7	27.1 81.3
150	160.9	0.0 353.6

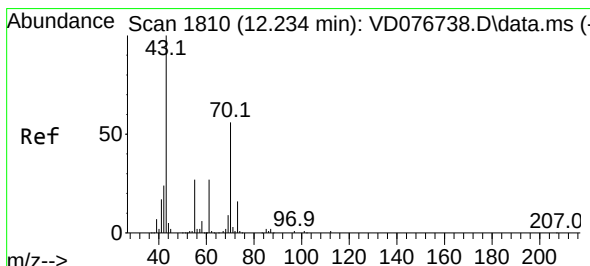
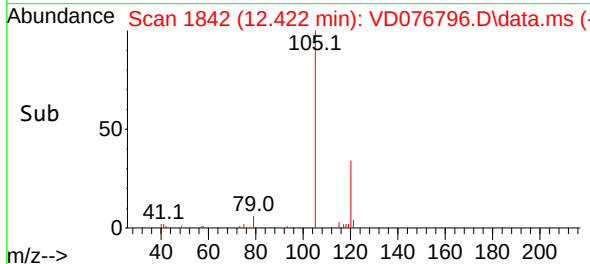
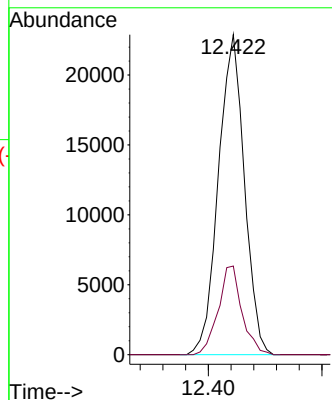
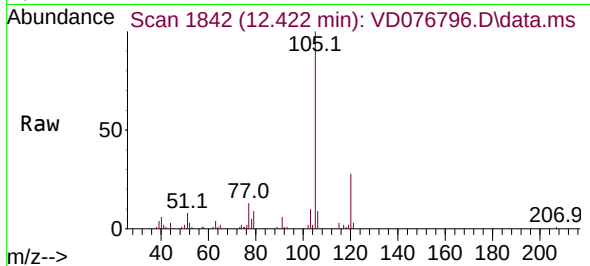




#73
Isopropylbenzene
Concen: 4.293 ug/l
RT: 12.422 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

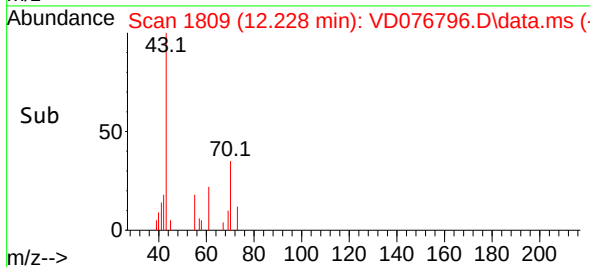
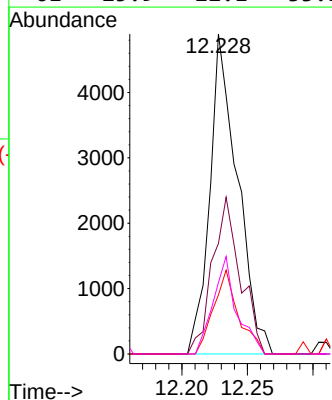
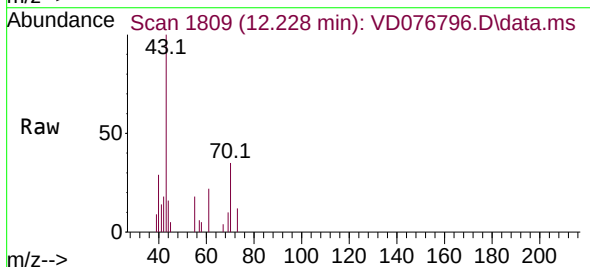
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

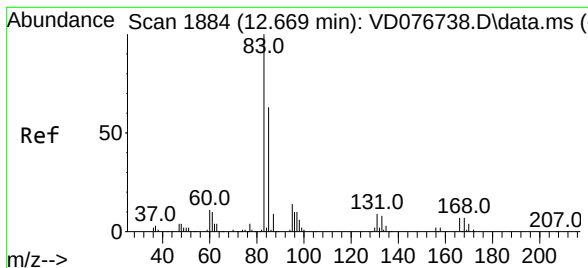
Tgt Ion:105 Resp: 36268
Ion Ratio Lower Upper
105 100
120 25.3 14.3 42.9



#74
N-ethyl acetate
Concen: 4.043 ug/l
RT: 12.228 min Scan# 1809
Delta R.T. -0.006 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion: 43 Resp: 7196
Ion Ratio Lower Upper
43 100
70 49.2 45.0 67.4
55 23.6 23.8 35.6#
61 25.9 22.1 33.1





#75

1,1,2,2-Tetrachloroethane

Concen: 4.879 ug/l

RT: 12.675 min Scan# 1885

Delta R.T. 0.006 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

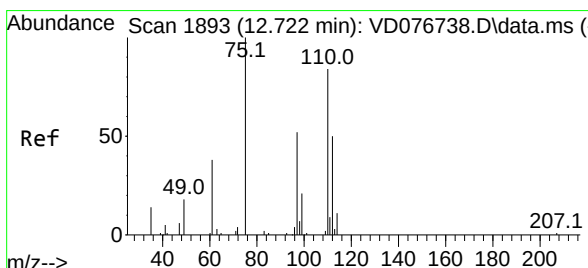
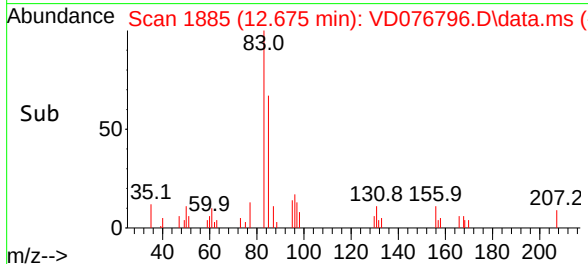
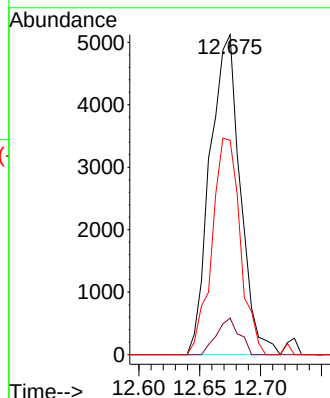
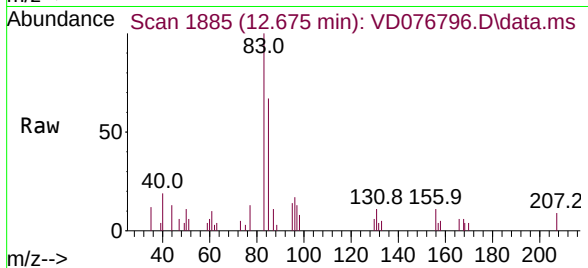
Tgt Ion: 83 Resp: 8850

Ion Ratio Lower Upper

83 100

131 8.6 5.1 15.3

85 63.1 32.6 97.8



#76

1,2,3-Trichloropropane

Concen: 6.071 ug/l m

RT: 12.716 min Scan# 1892

Delta R.T. -0.006 min

Lab File: VD076796.D

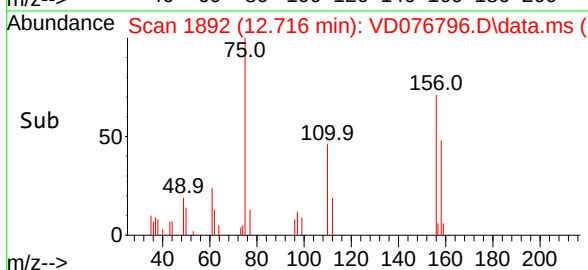
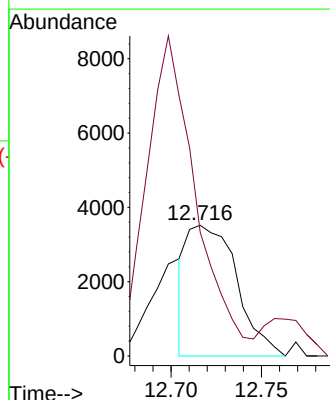
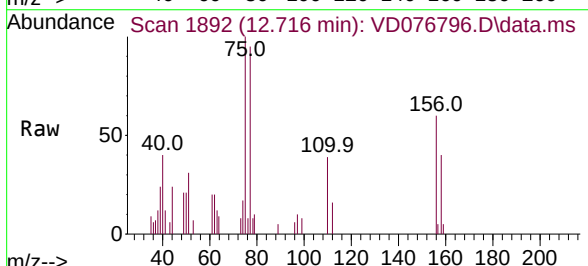
Acq: 19 Jul 2023 17:46

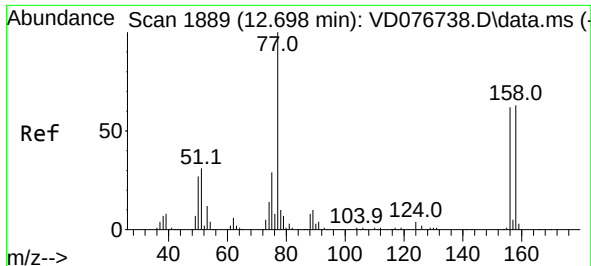
Tgt Ion: 75 Resp: 6723

Ion Ratio Lower Upper

75 100

77 244.7 0.0 0.0#

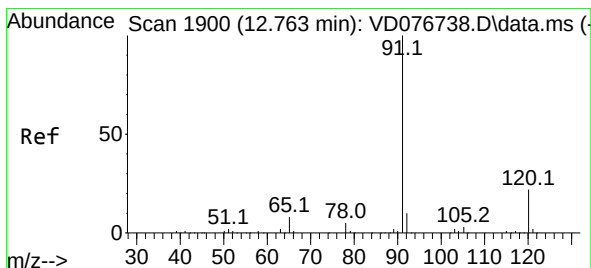
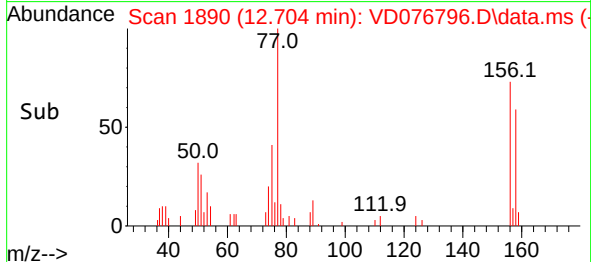
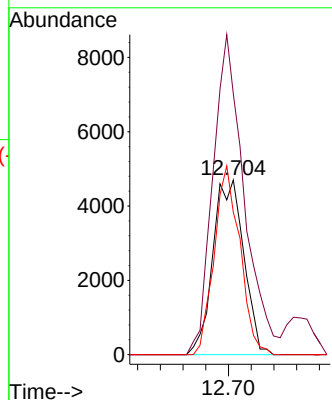
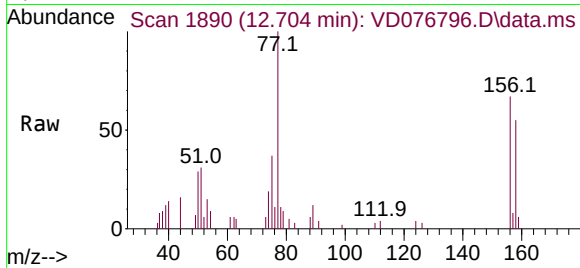




#77
Bromobenzene
Concen: 4.561 ug/l
RT: 12.704 min Scan# 1889
Delta R.T. 0.006 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

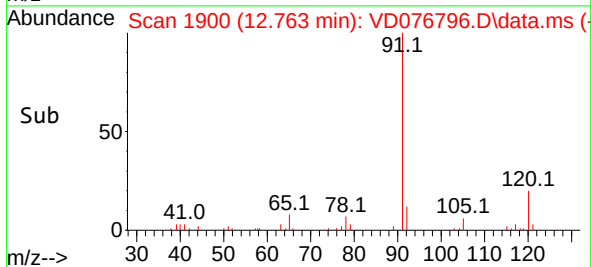
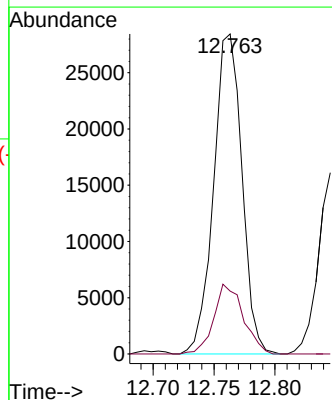
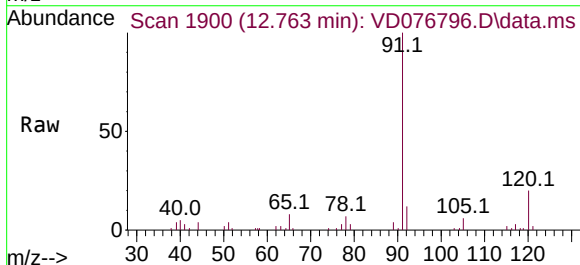
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

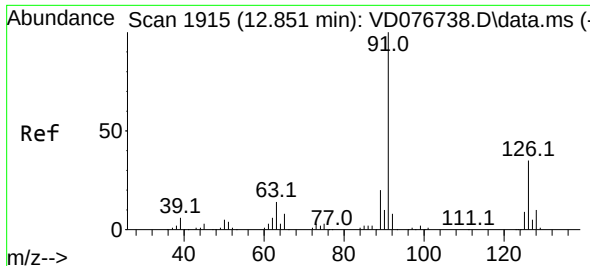
Tgt Ion	Ratio	Lower	Upper
156	100		
77	184.9	76.8	230.4
158	89.8	48.6	145.9



#78
n-propylbenzene
Concen: 4.491 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion	Ratio	Lower	Upper
91	100		
120	22.7	12.4	37.2

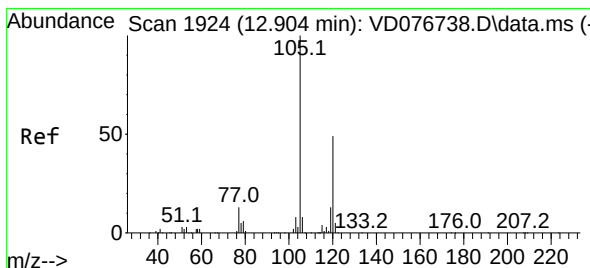
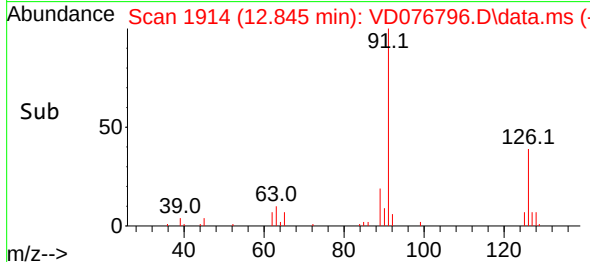
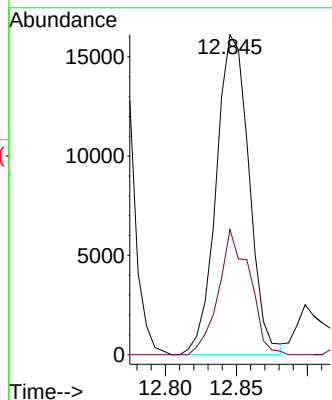
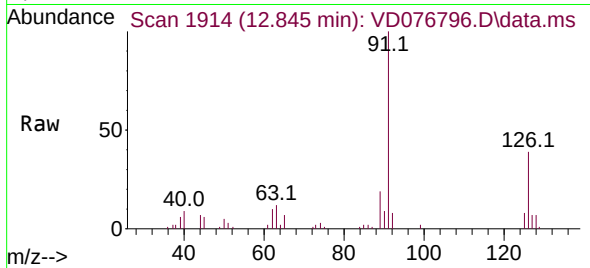




#79
2-Chlorotoluene
Concen: 4.616 ug/l
RT: 12.845 min Scan# 1914
Delta R.T. -0.006 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

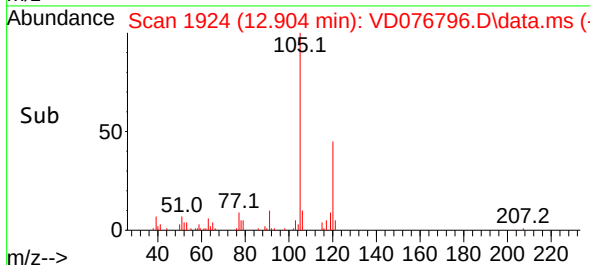
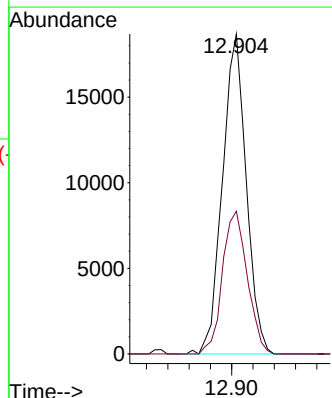
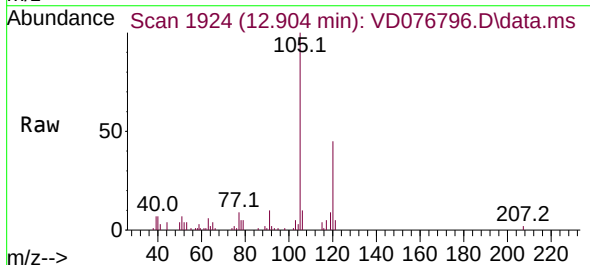
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

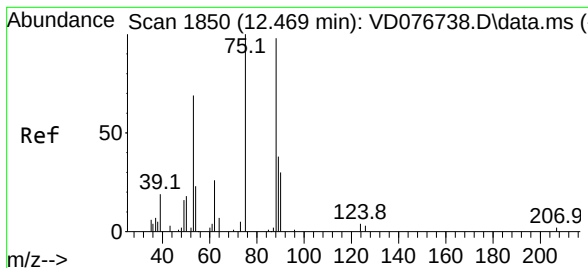
Tgt Ion: 91 Resp: 25924
Ion Ratio Lower Upper
91 100
126 37.3 19.4 58.1



#80
1,3,5-Trimethylbenzene
Concen: 4.234 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion: 105 Resp: 28923
Ion Ratio Lower Upper
105 100
120 46.6 26.4 79.2

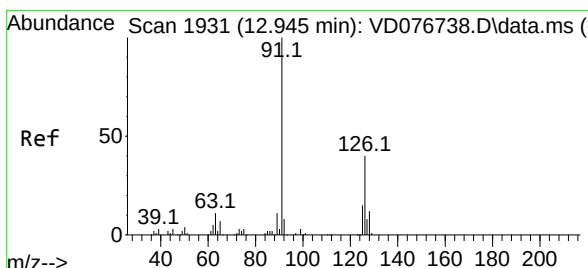
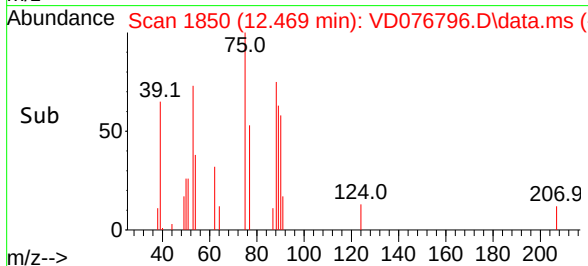
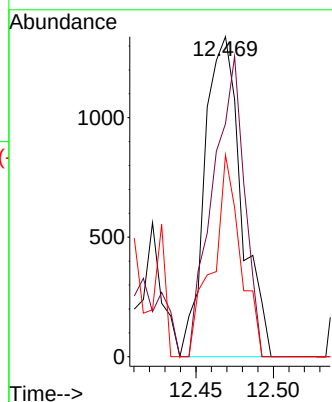
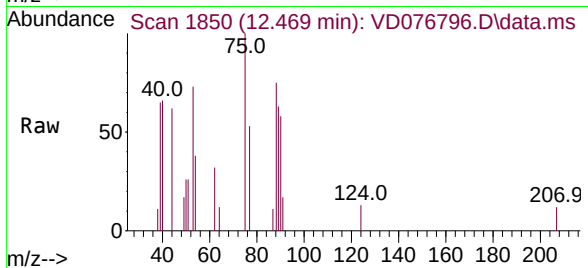




#81
trans-1,4-Dichloro-2-butene
Concen: 4.203 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

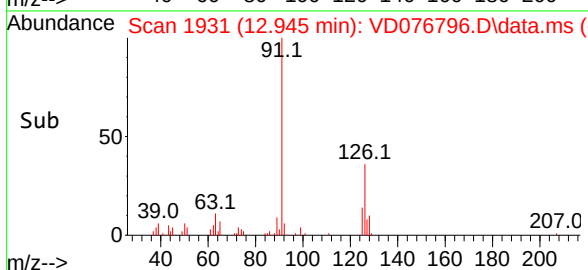
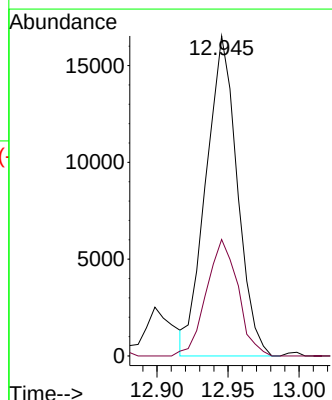
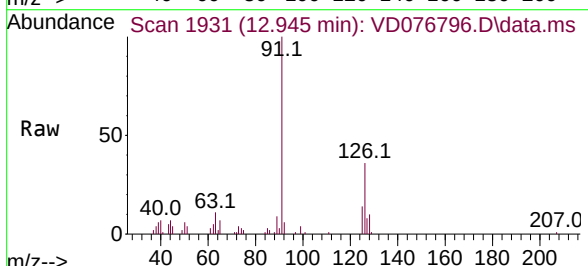
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT3-2023

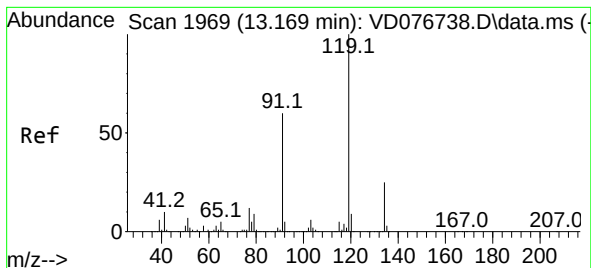
Tgt Ion:	75	Resp:	2187
Ion	Ratio	Lower	Upper
75	100		
53	81.2	63.0	94.4
89	48.3	37.9	56.9



#82
4-Chlorotoluene
Concen: 4.322 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion:	91	Resp:	25358
Ion	Ratio	Lower	Upper
91	100		
126	36.7	19.4	58.4





#83

tert-Butylbenzene

Concen: 4.471 ug/l

RT: 13.163 min Scan# 1969

Delta R.T. -0.006 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

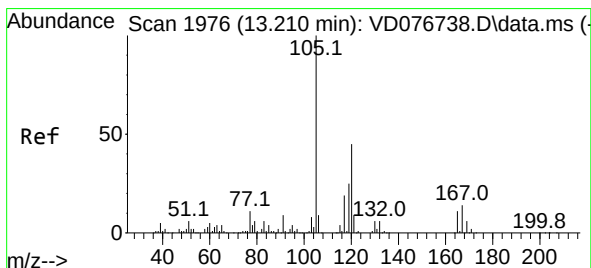
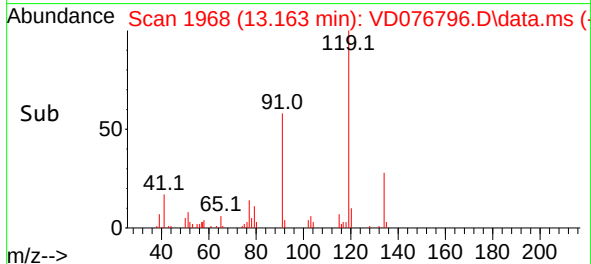
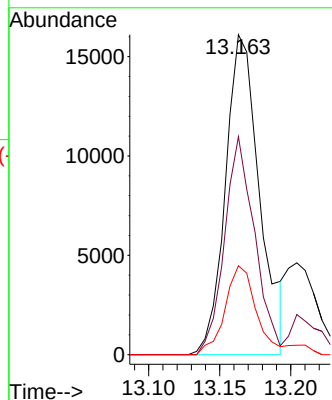
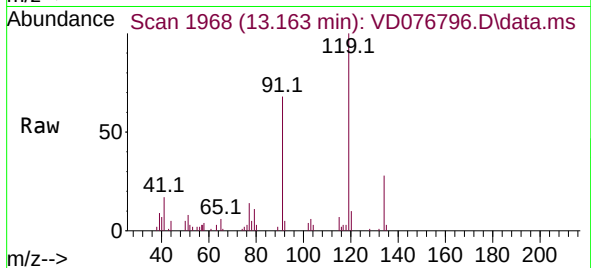
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion:119	Resp:	26894
Ion Ratio	Lower	Upper
119	100	
91	60.2	29.3 87.8
134	27.3	14.1 42.3



#84

1,2,4-Trimethylbenzene

Concen: 4.016 ug/l

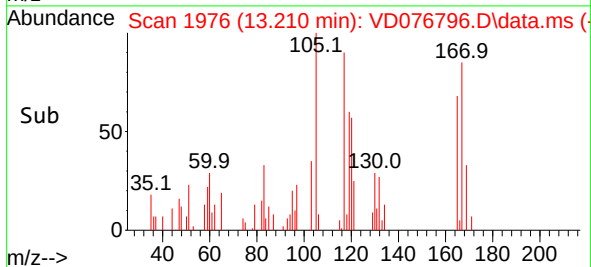
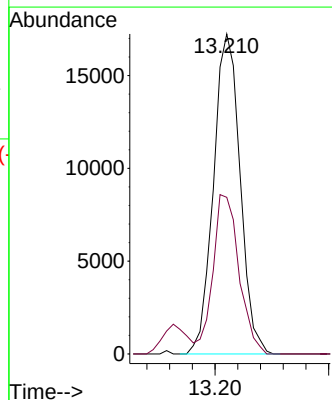
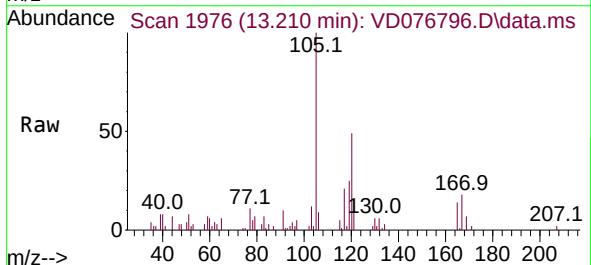
RT: 13.210 min Scan# 1976

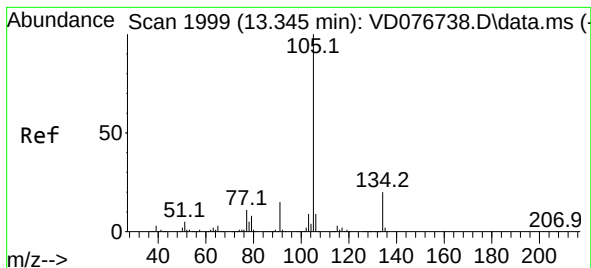
Delta R.T. 0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Tgt Ion:105	Resp:	28037
Ion Ratio	Lower	Upper
105	100	
120	48.9	24.3 72.9





#85

sec-Butylbenzene

Concen: 4.113 ug/l

RT: 13.340 min Scan# 1999

Delta R.T. -0.005 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

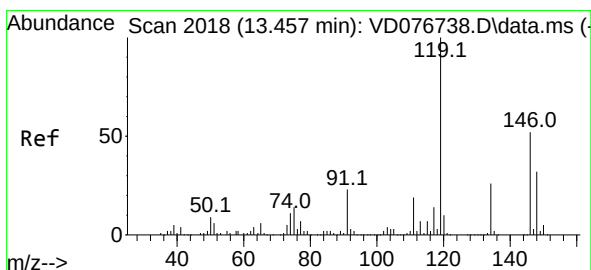
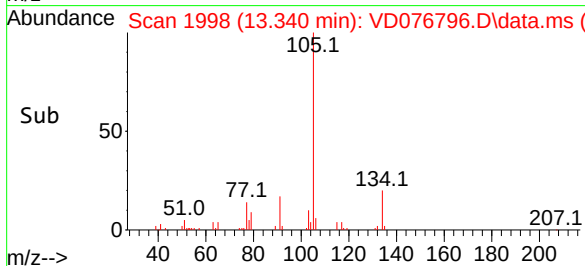
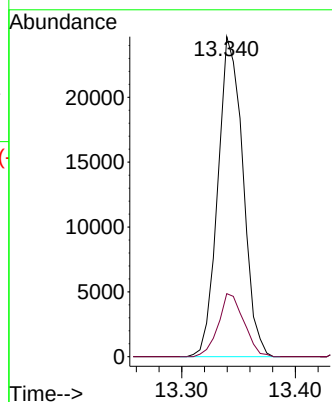
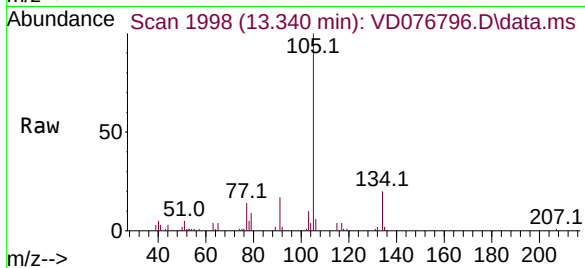
LOQ-SOIL-02-QT3-2023

Tgt Ion:105 Resp: 37796

Ion Ratio Lower Upper

105 100

134 20.1 10.9 32.9



#86

p-Isopropyltoluene

Concen: 4.075 ug/l

RT: 13.457 min Scan# 2018

Delta R.T. 0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

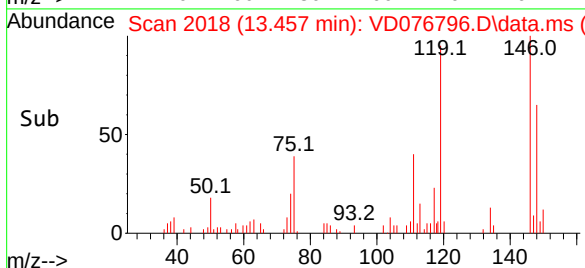
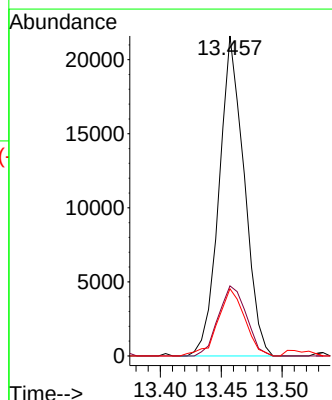
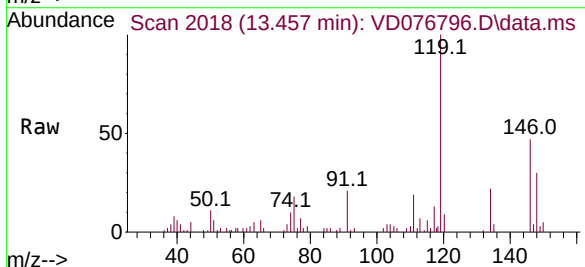
Tgt Ion:119 Resp: 30930

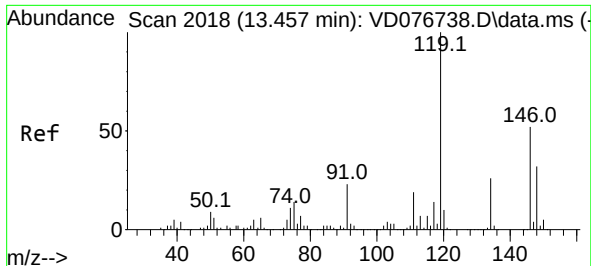
Ion Ratio Lower Upper

119 100

134 24.4 14.2 42.6

91 22.6 10.5 31.5





#87

1,3-Dichlorobenzene

Concen: 4.369 ug/l

RT: 13.463 min Scan# 2018

Delta R.T. 0.006 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

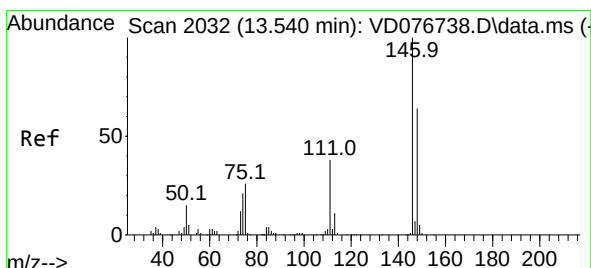
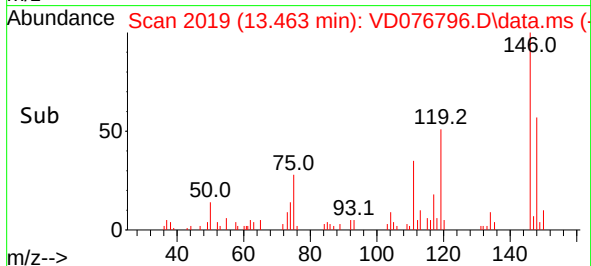
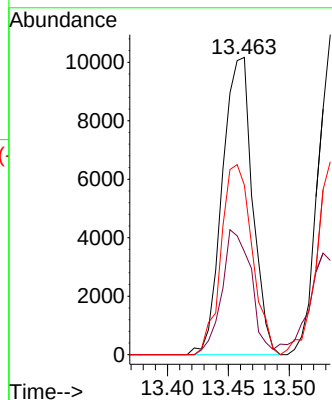
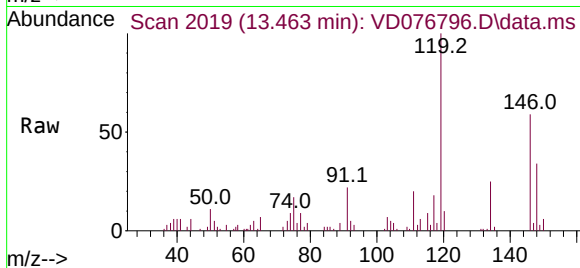
Tgt Ion:146 Resp: 17523

Ion Ratio Lower Upper

146 100

111 40.7 17.9 53.8

148 66.0 32.3 96.8



#88

1,4-Dichlorobenzene

Concen: 4.766 ug/l

RT: 13.540 min Scan# 2032

Delta R.T. -0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

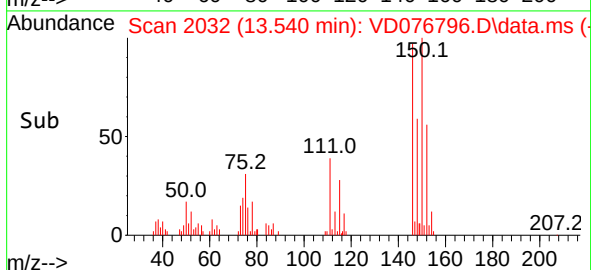
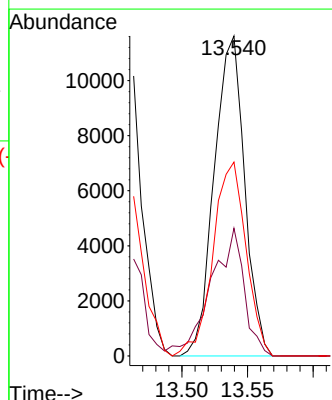
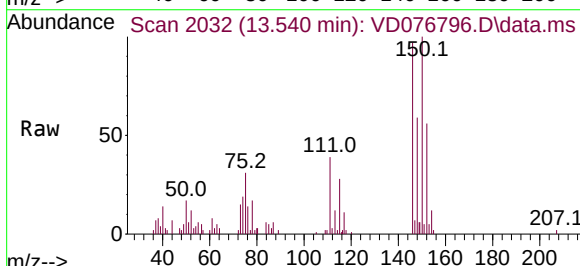
Tgt Ion:146 Resp: 18730

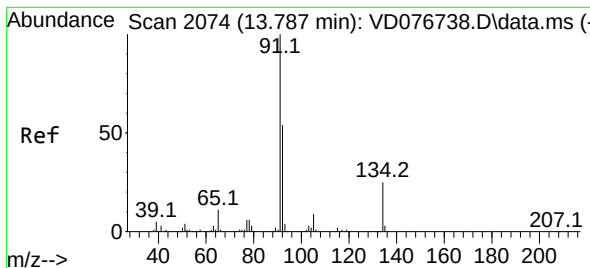
Ion Ratio Lower Upper

146 100

111 43.6 17.4 52.3

148 65.9 31.7 95.1





#89

n-Butylbenzene

Concen: 4.138 ug/l

RT: 13.787 min Scan# 2074

Delta R.T. -0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

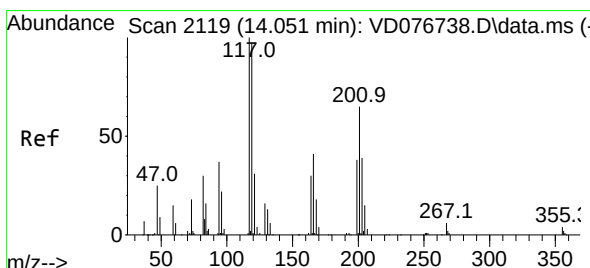
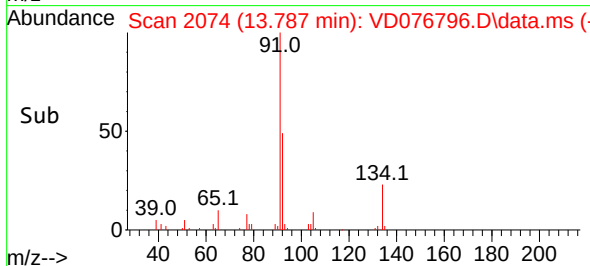
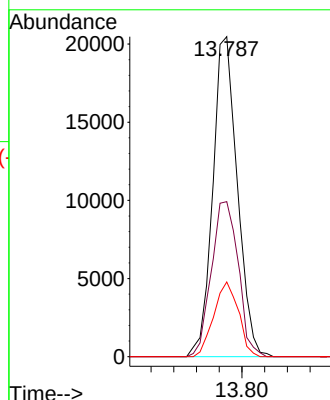
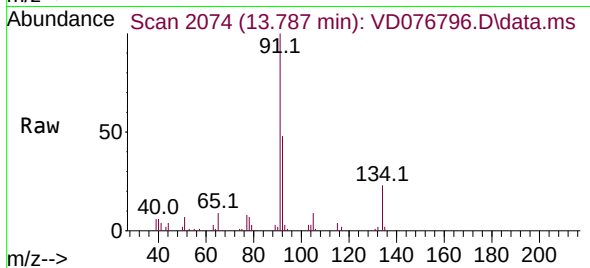
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

Tgt Ion:	91	Resp:	30733
Ion	Ratio	Lower	Upper
91	100		
92	52.9	26.5	79.5
134	23.4	13.8	41.3



#90

Hexachloroethane

Concen: 4.564 ug/l

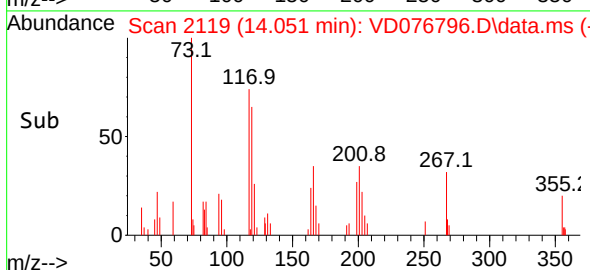
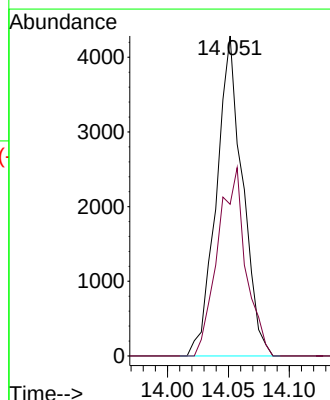
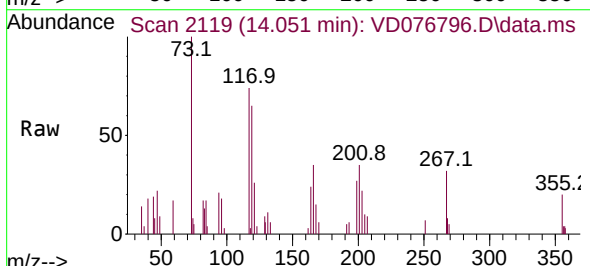
RT: 14.051 min Scan# 2119

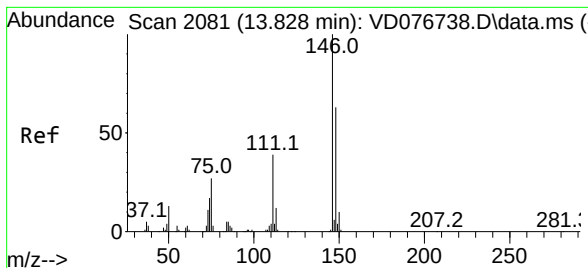
Delta R.T. 0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Tgt Ion:	117	Resp:	6404
Ion	Ratio	Lower	Upper
117	100		
201	63.3	38.5	115.5





#91

1,2-Dichlorobenzene

Concen: 4.376 ug/l

RT: 13.828 min Scan# 2081

Delta R.T. -0.000 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT3-2023

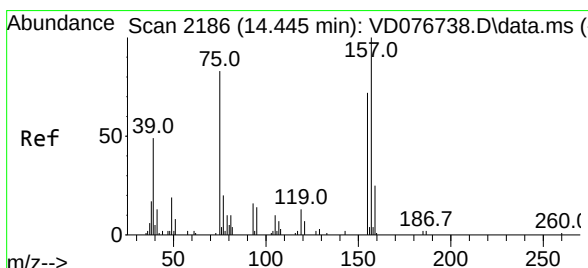
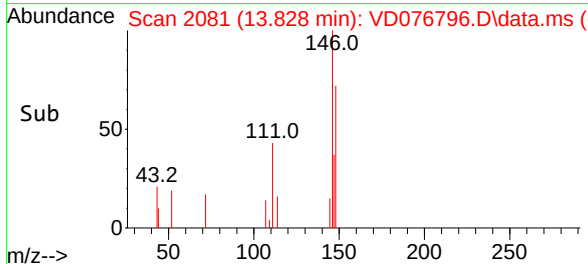
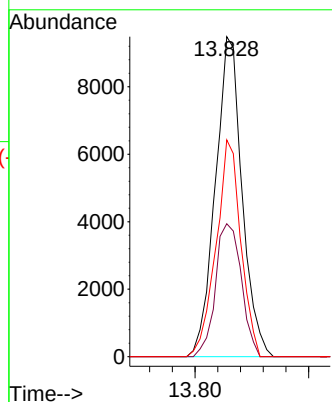
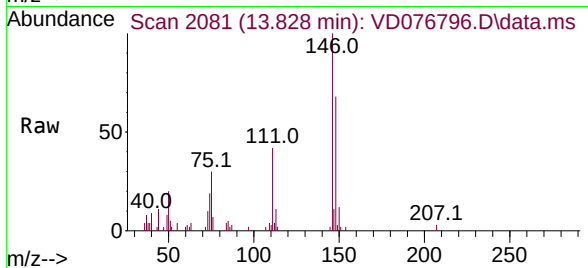
Tgt Ion:146 Resp: 15468

Ion Ratio Lower Upper

146 100

111 40.2 18.3 54.8

148 62.8 31.6 94.7



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.110 ug/l

RT: 14.451 min Scan# 2187

Delta R.T. 0.006 min

Lab File: VD076796.D

Acq: 19 Jul 2023 17:46

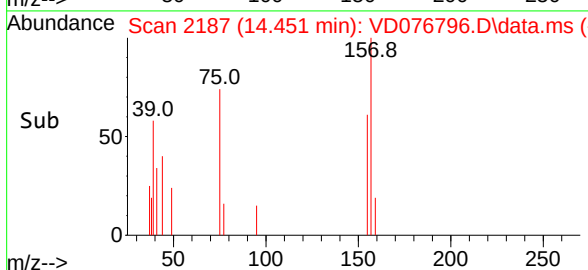
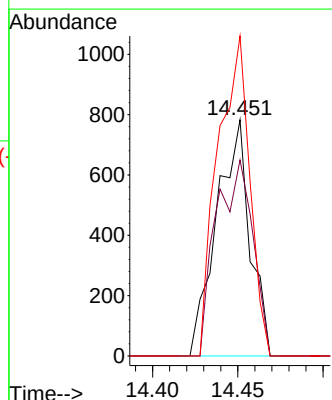
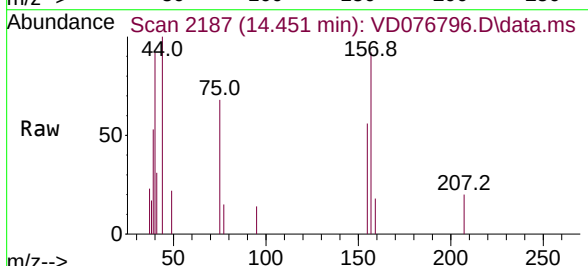
Tgt Ion: 75 Resp: 1063

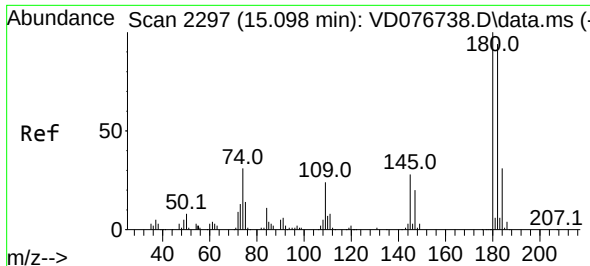
Ion Ratio Lower Upper

75 100

155 91.2 47.9 143.8

157 129.6 59.9 179.7

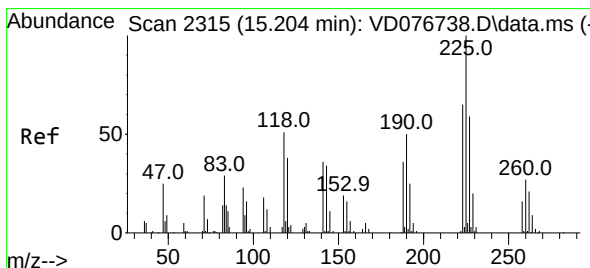
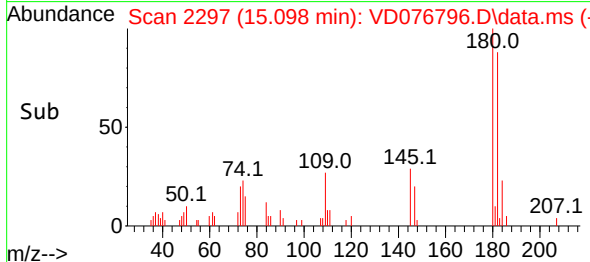
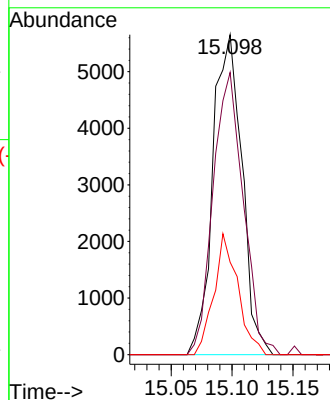
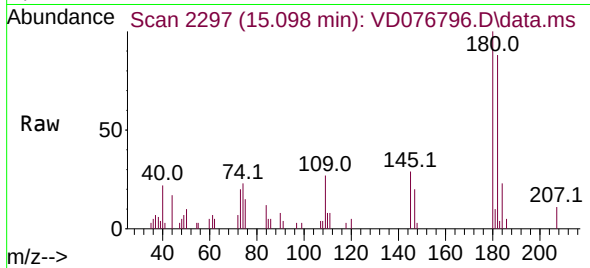




#93
1,2,4-Trichlorobenzene
Concen: 4.351 ug/l
RT: 15.098 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

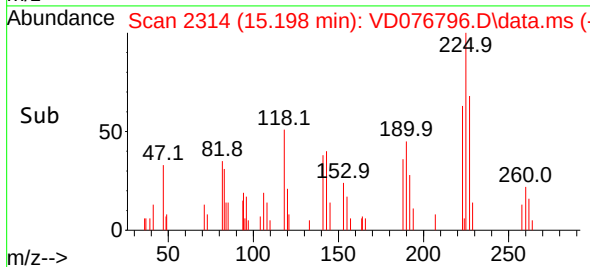
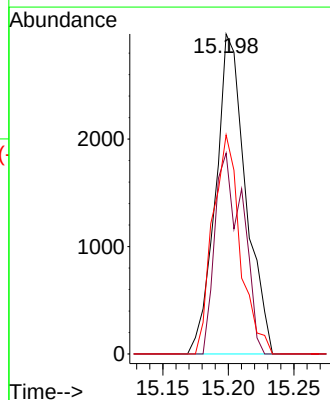
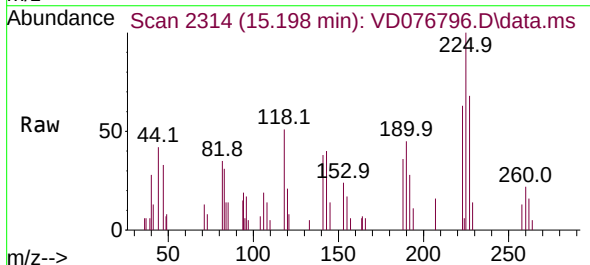
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT3-2023

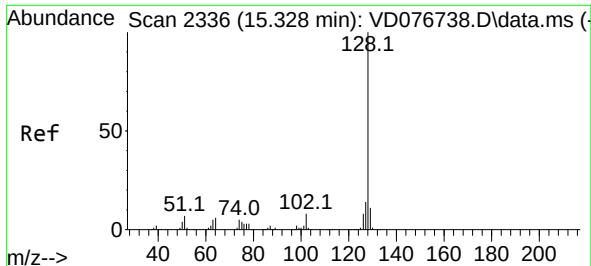
Tgt Ion:180 Resp: 9388
Ion Ratio Lower Upper
180 100
182 91.6 48.5 145.6
145 31.1 14.2 42.6



#94
Hexachlorobutadiene
Concen: 4.568 ug/l
RT: 15.198 min Scan# 2314
Delta R.T. -0.006 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion:225 Resp: 4740
Ion Ratio Lower Upper
225 100
223 58.4 31.6 94.8
227 62.6 31.7 95.1

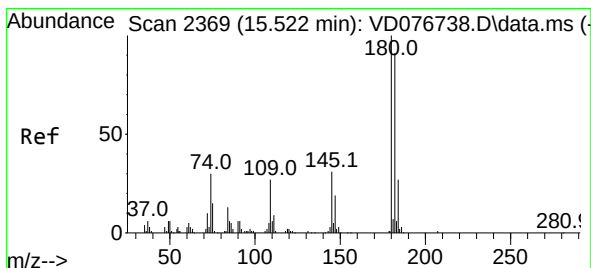
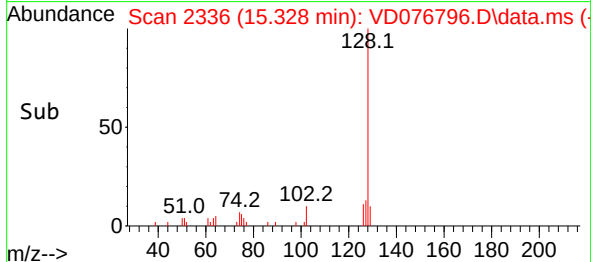
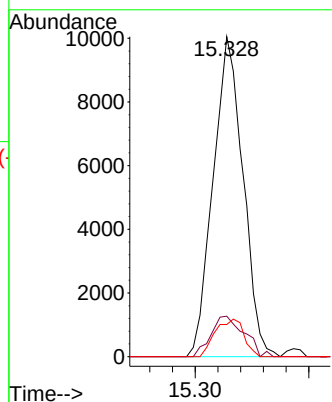
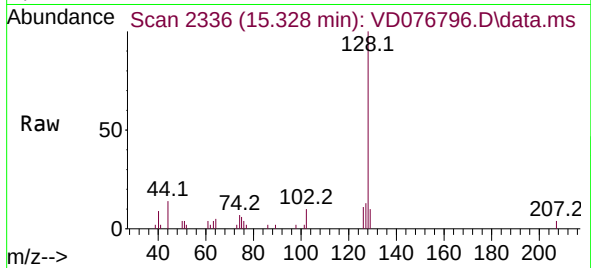




#95
Naphthalene
Concen: 3.931 ug/l
RT: 15.328 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

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

Tgt Ion:128	Resp:	18366
Ion Ratio	Lower	Upper
128	100	
127	12.7	10.5 15.7
129	10.0	8.7 13.1



#96
1,2,3-Trichlorobenzene
Concen: 4.418 ug/l
RT: 15.516 min Scan# 2368
Delta R.T. -0.006 min
Lab File: VD076796.D
Acq: 19 Jul 2023 17:46

Tgt Ion:180	Resp:	8555
Ion Ratio	Lower	Upper
180	100	
182	89.9	47.3 141.9
145	33.3	15.1 45.3

