

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD041323\
 Data File : VD075666.D
 Acq On : 13 Apr 2023 18:02
 Operator : KP/SY
 Sample : 02213-02 5.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

Quant Time: Apr 14 01:36:22 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D041323S.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 13 14:16:29 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.869	168	184604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	329402	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	372120	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	145269	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	95332	54.405	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.820%	
35) Dibromofluoromethane	7.805	113	113243	51.113	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.220%	
50) Toluene-d8	10.269	98	430177	48.485	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.960%	
62) 4-Bromofluorobenzene	12.575	95	119582	50.708	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 101.420%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.928	85	8710	5.078	ug/l	96
3) Chloromethane	2.146	50	21394	6.907	ug/l	99
4) Vinyl Chloride	2.275	62	23260	5.659	ug/l	98
5) Bromomethane	2.675	94	19030	5.930	ug/l	94
6) Chloroethane	2.823	64	15622	5.645	ug/l	95
7) Trichlorofluoromethane	3.164	101	19205	6.031	ug/l	91
8) Diethyl Ether	3.587	74	5754	5.805	ug/l	65
9) 1,1,2-Trichlorotrifluo...	3.958	101	11628	5.823	ug/l	95
10) Methyl Iodide	4.152	142	12744	4.663	ug/l	89
11) Tert butyl alcohol	5.058	59	2259	25.688	ug/l #	100
12) 1,1-Dichloroethene	3.934	96	11928	5.769	ug/l #	85
13) Acrolein	3.793	56	4209	23.728	ug/l	100
14) Allyl chloride	4.564	41	10029	5.326	ug/l #	78
15) Acrylonitrile	5.258	53	10656	28.785	ug/l	96
16) Acetone	4.017	43	9428	29.370	ug/l #	77
17) Carbon Disulfide	4.258	76	37568	5.552	ug/l	99
18) Methyl Acetate	4.564	43	6991	6.458	ug/l #	78
19) Methyl tert-butyl Ether	5.305	73	21706	5.409	ug/l	92
20) Methylene Chloride	4.799	84	25746	6.340	ug/l #	73
21) trans-1,2-Dichloroethene	5.305	96	13424	5.451	ug/l #	73
22) Diisopropyl ether	6.216	45	22302	5.241	ug/l	93
23) Vinyl Acetate	6.152	43	42918	21.715	ug/l #	86
24) 1,1-Dichloroethane	6.105	63	21091	5.982	ug/l	94
25) 2-Butanone	7.093	43	12376	29.943	ug/l #	90
26) 2,2-Dichloropropane	7.069	77	18106	5.664	ug/l	93
27) cis-1,2-Dichloroethene	7.069	96	13906	5.098	ug/l	87
28) Bromochloromethane	7.422	49	6050	5.428	ug/l #	59
29) Tetrahydrofuran	7.446	42	6131	27.125	ug/l #	50
30) Chloroform	7.593	83	23186	5.801	ug/l	88
31) Cyclohexane	7.875	56	16527	6.011	ug/l #	56
32) 1,1,1-Trichloroethane	7.787	97	19196	5.890	ug/l	93
36) 1,1-Dichloropropene	8.005	75	15333	5.016	ug/l	93
37) Ethyl Acetate	7.163	43	5867	6.307	ug/l #	83
38) Carbon Tetrachloride	7.987	117	13340	4.956	ug/l	88
39) Methylcyclohexane	9.275	83	17488	4.948	ug/l	90
40) Benzene	8.246	78	51146	5.383	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	2648	5.932	ug/l #	74
42) 1,2-Dichloroethane	8.328	62	12157	5.633	ug/l	92
43) Isopropyl Acetate	8.363	43	9945	5.863	ug/l #	92
44) Trichloroethene	9.028	130	14276	5.309	ug/l	92
45) 1,2-Dichloropropane	9.305	63	11274	5.295	ug/l #	83
46) Dibromomethane	9.387	93	7870	5.826	ug/l	95
47) Bromodichloromethane	9.587	83	17186	5.562	ug/l	94
48) Methyl methacrylate	9.381	41	4448	5.886	ug/l #	69
49) 1,4-Dioxane	9.387	88	1579	117.816	ug/l #	57
51) 4-Methyl-2-Pentanone	10.157	43	23067	25.506	ug/l #	83
52) Toluene	10.334	92	32267	5.107	ug/l	91
53) t-1,3-Dichloropropene	10.557	75	15628	5.276	ug/l	93
54) cis-1,3-Dichloropropene	10.016	75	18378	5.222	ug/l #	74
55) 1,1,2-Trichloroethane	10.734	97	10809	5.526	ug/l	92
56) Ethyl methacrylate	10.599	69	9306	4.835	ug/l #	69
57) 1,3-Dichloropropane	10.881	76	18324	6.171	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.869	63	18372	22.225	ug/l #	89
59) 2-Hexanone	10.922	43	17800	27.993	ug/l	81
60) Dibromochloromethane	11.069	129	13952	6.096	ug/l	98
61) 1,2-Dibromoethane	11.181	107	11499	6.163	ug/l	92
64) Tetrachloroethene	10.810	164	11693	4.363	ug/l	96
65) Chlorobenzene	11.604	112	42858	5.377	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.675	131	13975	5.100	ug/l	86
67) Ethyl Benzene	11.687	91	63271	4.891	ug/l	90
68) m/p-Xylenes	11.793	106	50828	9.588	ug/l	85
69) o-Xylene	12.122	106	18845	3.931	ug/l	97
70) Styrene	12.134	104	32742	4.149	ug/l	94
71) Bromoform	12.298	173	7415	5.177	ug/l #	90
73) Isopropylbenzene	12.422	105	47419	4.974	ug/l	99
74) N-amyl acetate	12.234	43	7987	5.701	ug/l #	74
75) 1,1,2,2-Tetrachloroethane	12.675	83	11912	6.432	ug/l	96
76) 1,2,3-Trichloropropane	12.728	75	12999	10.973	ug/l #	100
77) Bromobenzene	12.698	156	13590	5.529	ug/l	98
78) n-propylbenzene	12.763	91	62051	5.310	ug/l	99
79) 2-Chlorotoluene	12.851	91	34651	5.228	ug/l	95
80) 1,3,5-Trimethylbenzene	12.904	105	39266	4.940	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.469	75	3199	5.853	ug/l #	65
82) 4-Chlorotoluene	12.945	91	35865	5.204	ug/l	92
83) tert-Butylbenzene	13.169	119	32117	4.792	ug/l	94
84) 1,2,4-Trimethylbenzene	13.216	105	38251	4.796	ug/l	100
85) sec-Butylbenzene	13.345	105	49825	4.819	ug/l	98
86) p-Isopropyltoluene	13.463	119	41219	4.789	ug/l	97
87) 1,3-Dichlorobenzene	13.463	146	26492	5.181	ug/l	95
88) 1,4-Dichlorobenzene	13.540	146	28439	5.630	ug/l	98
89) n-Butylbenzene	13.787	91	38160	4.813	ug/l	99
90) Hexachloroethane	14.057	117	9547	5.583	ug/l	95
91) 1,2-Dichlorobenzene	13.834	146	23682	5.407	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.451	75	1771	7.133	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	12686	4.978	ug/l	92
94) Hexachlorobutadiene	15.204	225	6260	5.140	ug/l	93
95) Naphthalene	15.334	128	23318	4.830	ug/l	99
96) 1,2,3-Trichlorobenzene	15.522	180	11588	5.166	ug/l	97

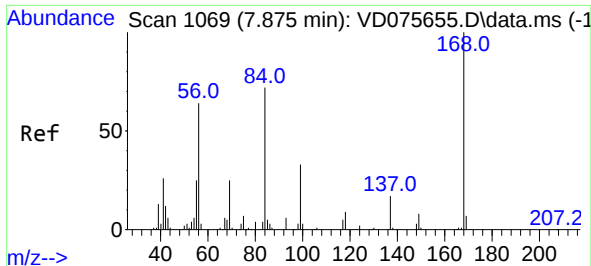
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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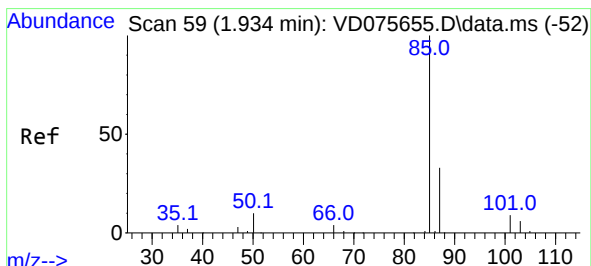
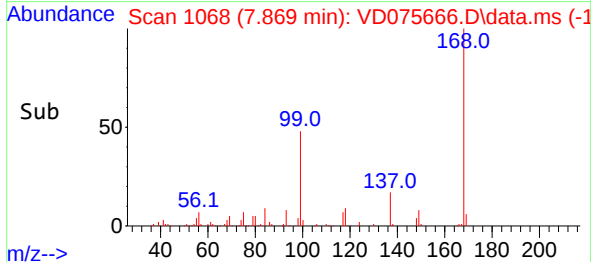
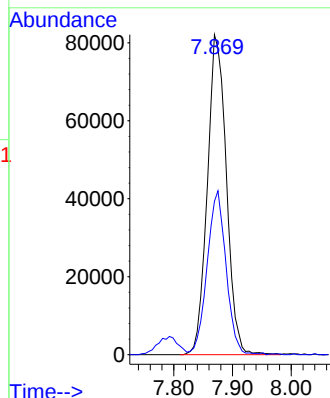
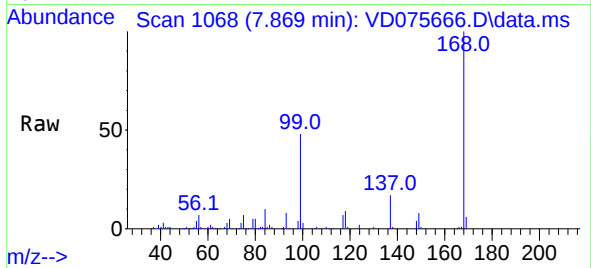
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

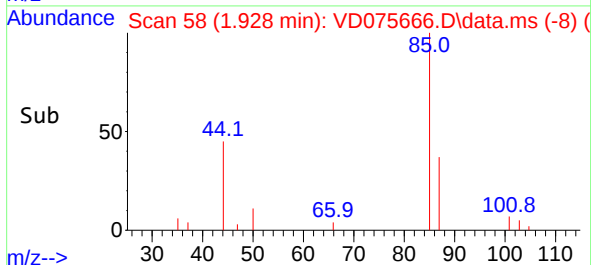
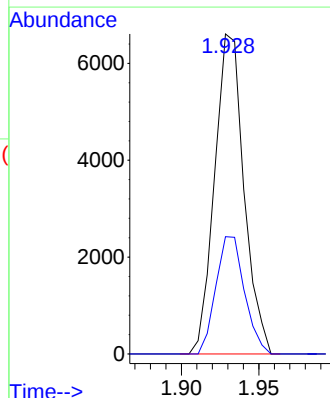
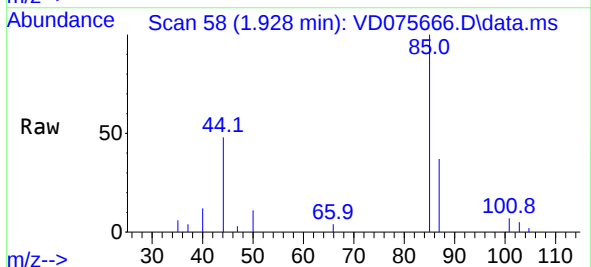
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2023

Tgt Ion:168 Resp: 184604
Ion Ratio Lower Upper
168 100
99 47.7 43.8 65.6

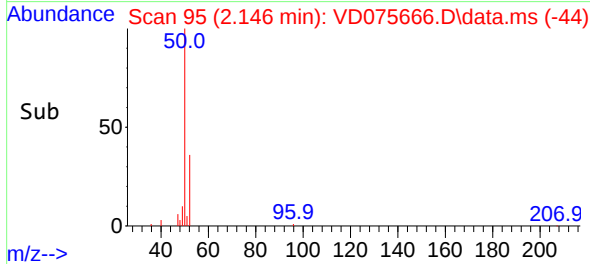
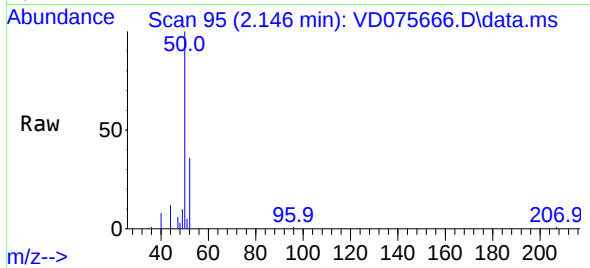
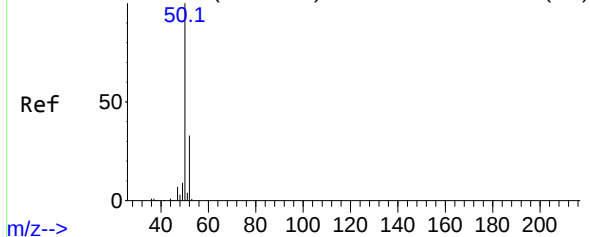


#2
Dichlorodifluoromethane
Concen: 5.078 ug/l
RT: 1.928 min Scan# 58
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 85 Resp: 8710
Ion Ratio Lower Upper
85 100
87 36.7 17.3 51.7



Abundance Scan 95 (2.146 min): VD075655.D\data.ms (-89)



#3

Chloromethane

Concen: 6.907 ug/l

RT: 2.146 min Scan# 91

Delta R.T. 0.000 min

Lab File: VD075666.D

Acq: 13 Apr 2023 18:02

Instrument :

MSVOA_D

ClientSampleId :

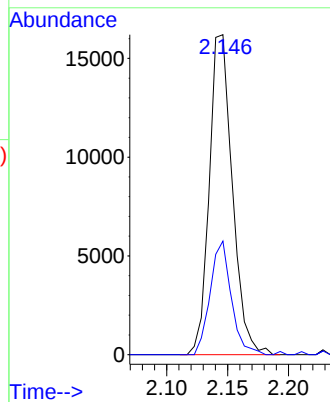
LOQ-SOIL-02-QT2-2023

Tgt Ion: 50 Resp: 21394

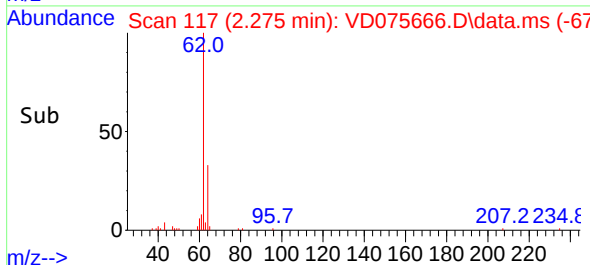
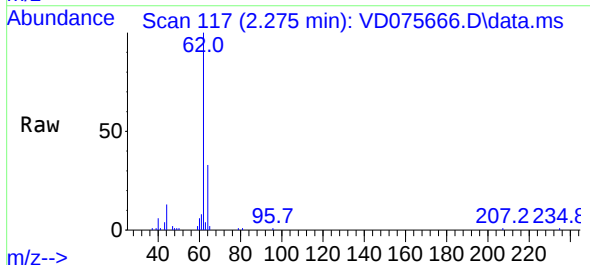
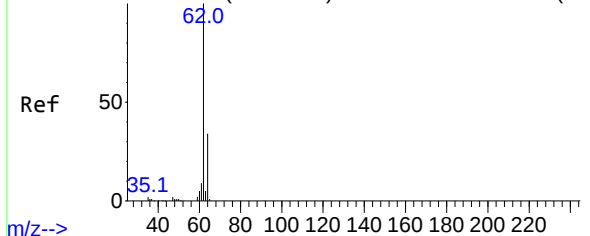
Ion Ratio Lower Upper

50 100

52 35.5 27.8 41.8



Abundance Scan 118 (2.281 min): VD075655.D\data.ms (-11)



#4

Vinyl Chloride

Concen: 5.659 ug/l

RT: 2.275 min Scan# 117

Delta R.T. -0.006 min

Lab File: VD075666.D

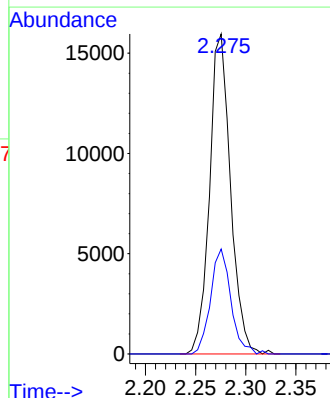
Acq: 13 Apr 2023 18:02

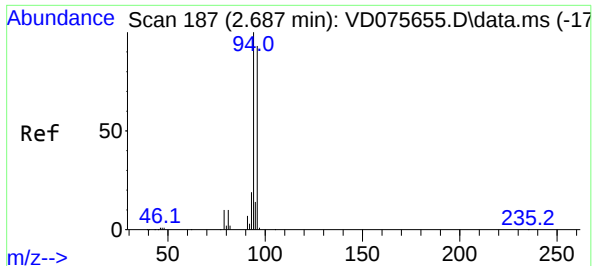
Tgt Ion: 62 Resp: 23260

Ion Ratio Lower Upper

62 100

64 32.8 25.4 38.0

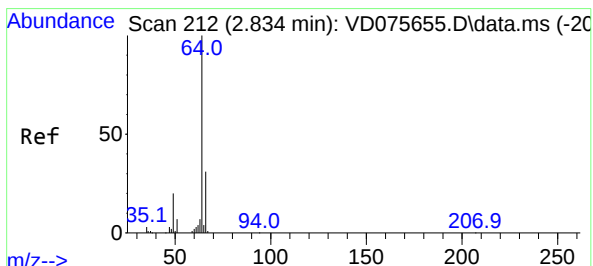
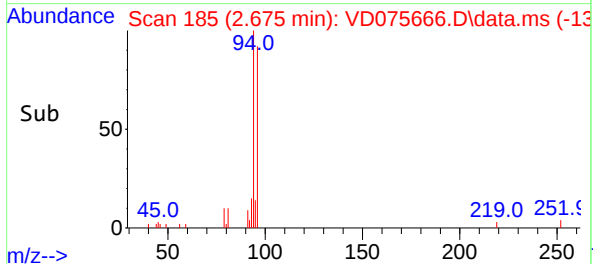
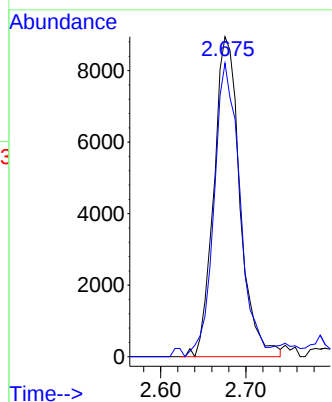
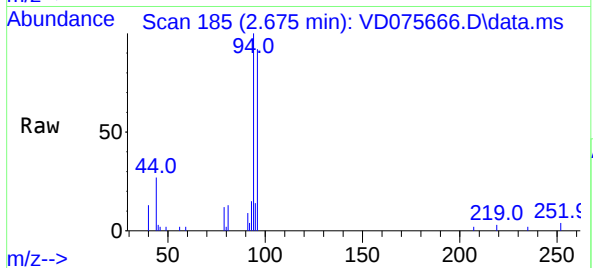




#5
Bromomethane
Concen: 5.930 ug/l
RT: 2.675 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

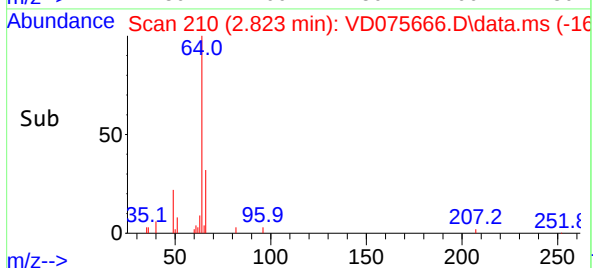
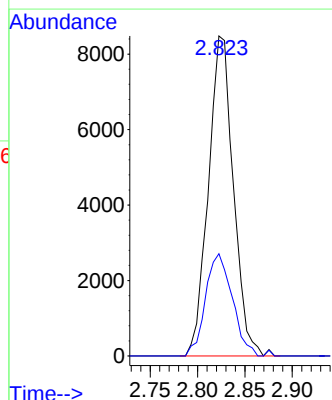
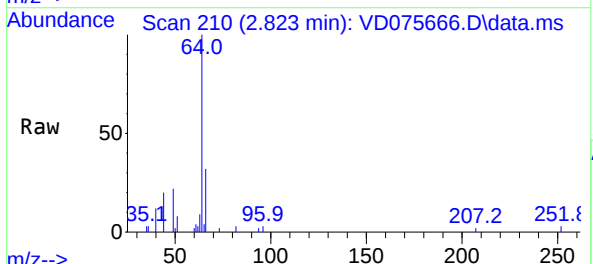
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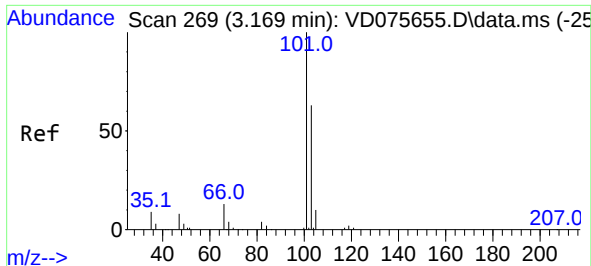
Tgt Ion: 94 Resp: 19030
Ion Ratio Lower Upper
94 100
96 91.2 77.5 116.3



#6
Chloroethane
Concen: 5.645 ug/l
RT: 2.823 min Scan# 210
Delta R.T. -0.011 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 64 Resp: 15622
Ion Ratio Lower Upper
64 100
66 31.9 27.7 41.5

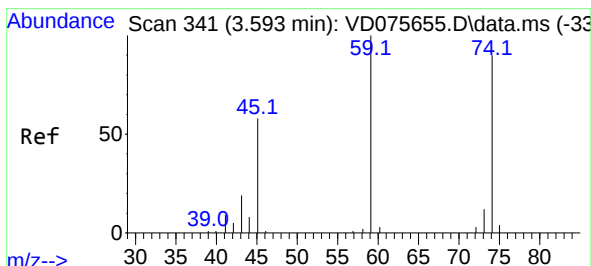
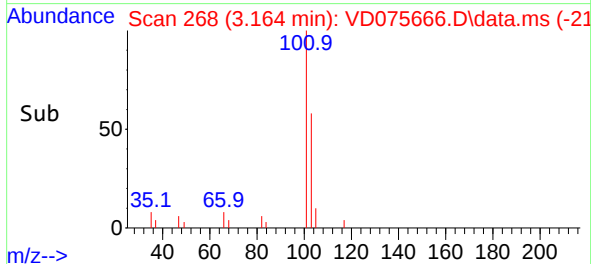
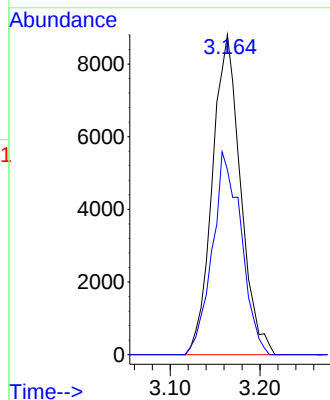
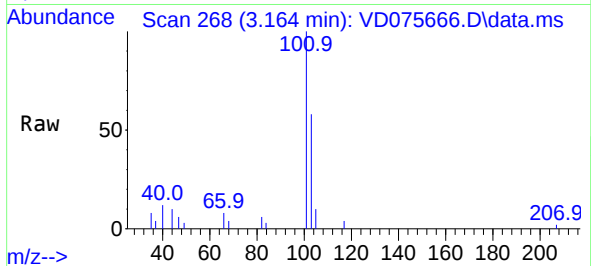




#7
Trichlorofluoromethane
Concen: 6.031 ug/l
RT: 3.164 min Scan# 20
Delta R.T. -0.005 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

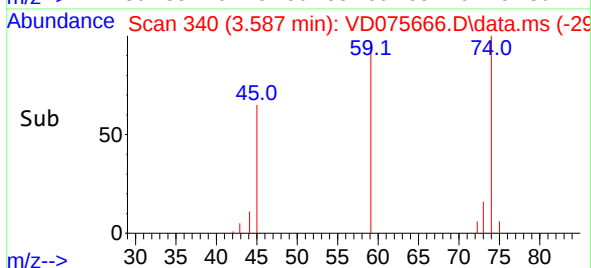
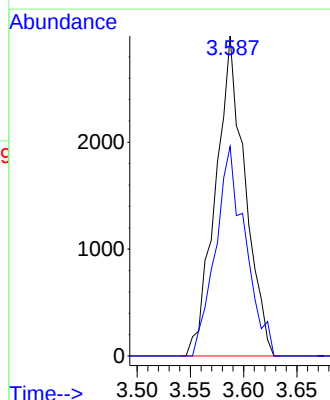
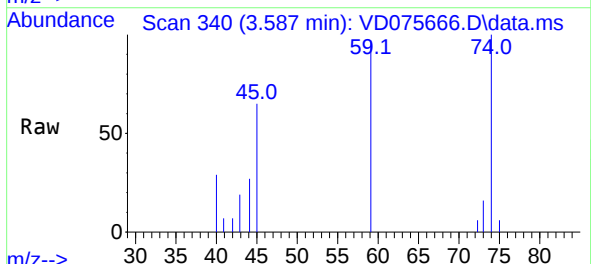
Instrument :
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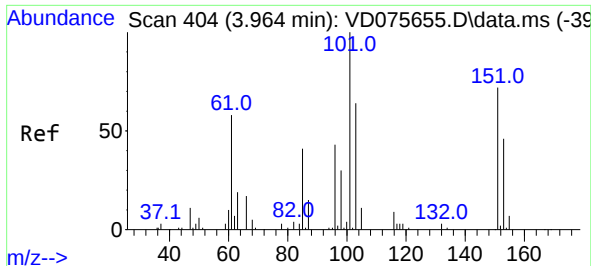
Tgt Ion:101 Resp: 19205
Ion Ratio Lower Upper
101 100
103 57.8 51.9 77.9



#8
Diethyl Ether
Concen: 5.805 ug/l
RT: 3.587 min Scan# 340
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 74 Resp: 5754
Ion Ratio Lower Upper
74 100
45 66.5 50.9 152.7



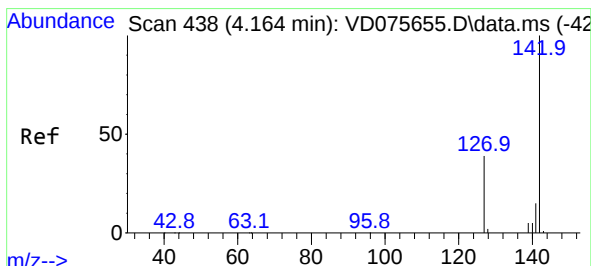
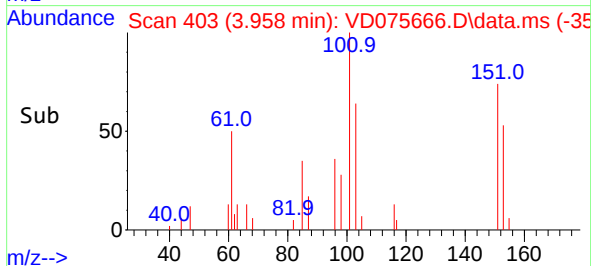
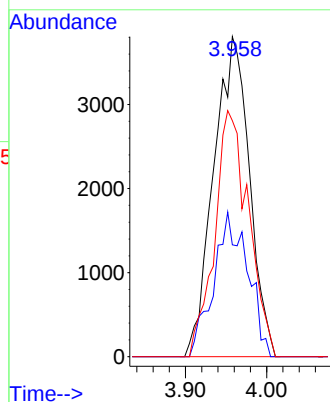
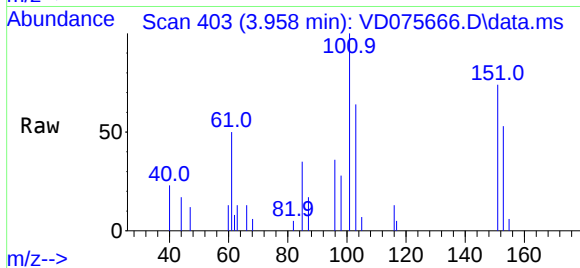


#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.823 ug/l
RT: 3.958 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:101 Resp: 11628

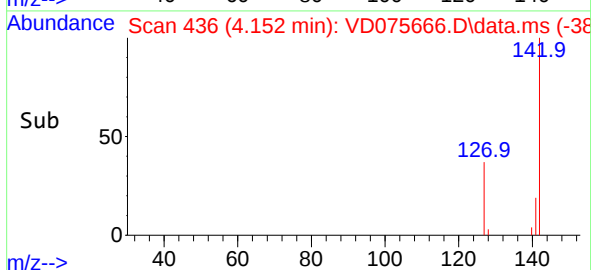
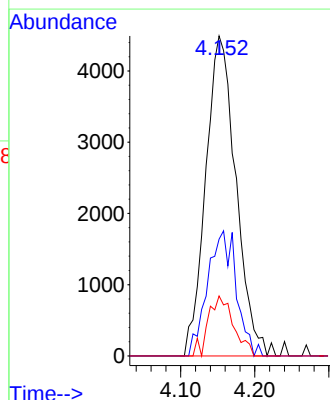
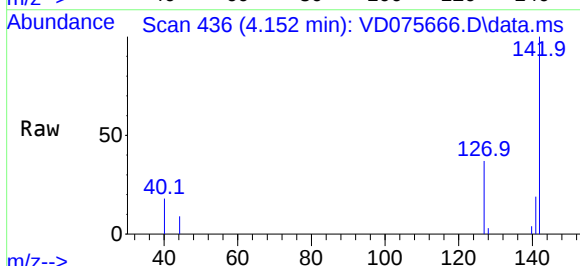
Ion	Ratio	Lower	Upper
101	100		
85	42.9	38.3	57.5
151	73.1	60.4	90.6

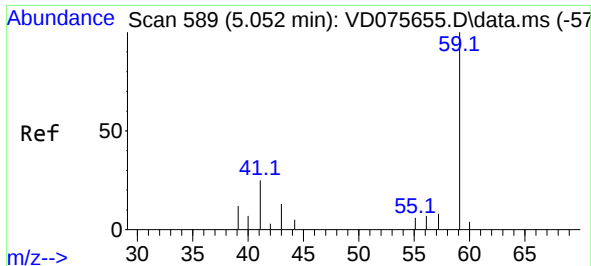


#10
Methyl Iodide
Concen: 4.663 ug/l
RT: 4.152 min Scan# 436
Delta R.T. -0.012 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion:142 Resp: 12744

Ion	Ratio	Lower	Upper
142	100		
127	37.2	37.1	55.7
141	15.6	11.3	16.9

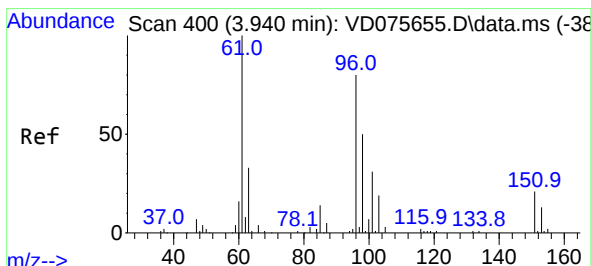
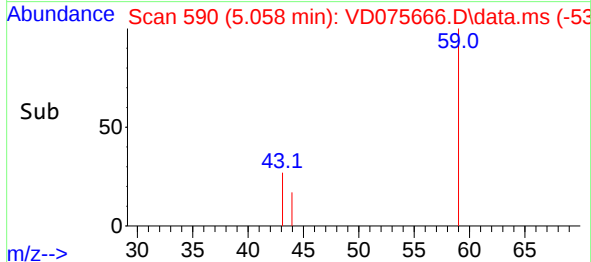
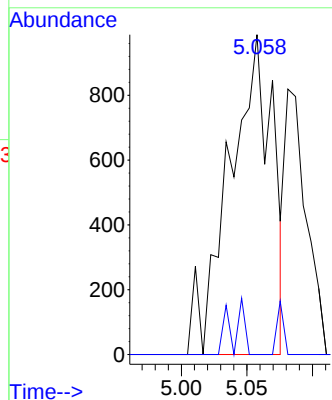
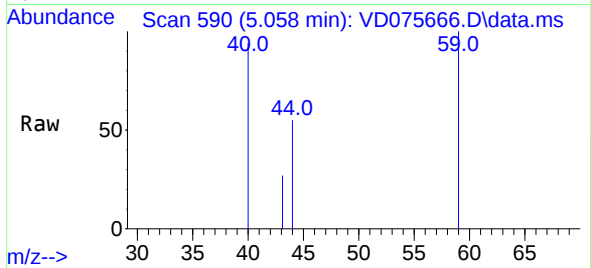




#11
Tert butyl alcohol
Concen: 25.688 ug/l
RT: 5.058 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

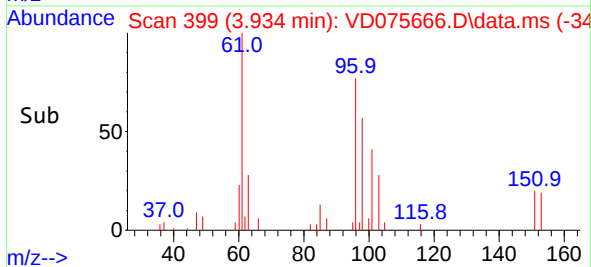
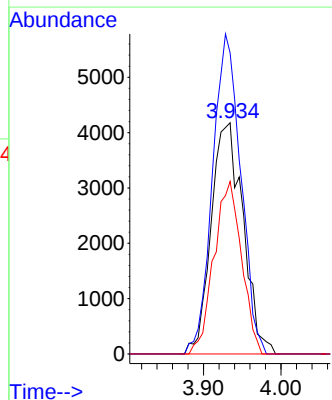
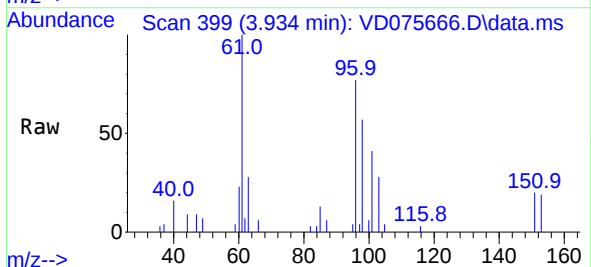
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

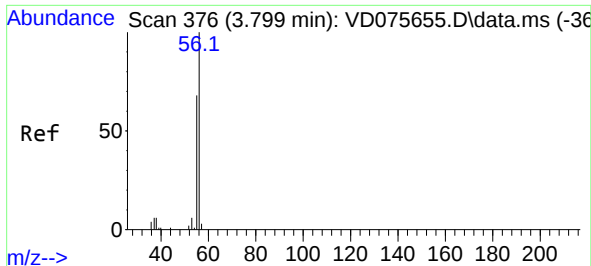
Tgt Ion: 59 Resp: 2259
Ion Ratio Lower Upper
59 100
57 0.0 0.0 0.0



#12
1,1-Dichloroethene
Concen: 5.769 ug/l
RT: 3.934 min Scan# 399
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 96 Resp: 11928
Ion Ratio Lower Upper
96 100
61 130.2 118.6 177.8
98 74.6 49.7 74.5#

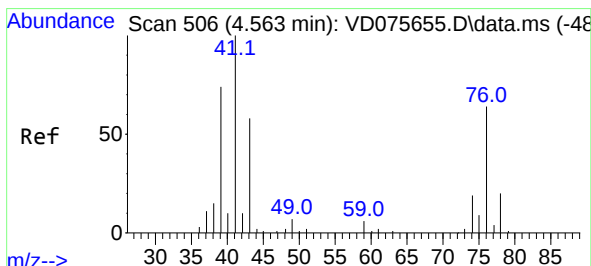
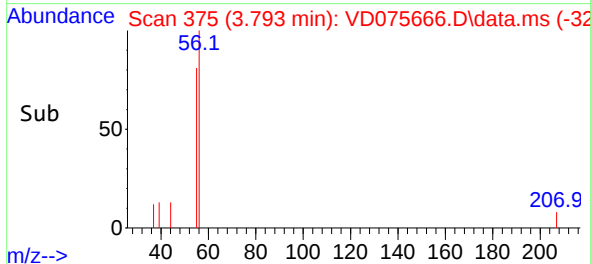
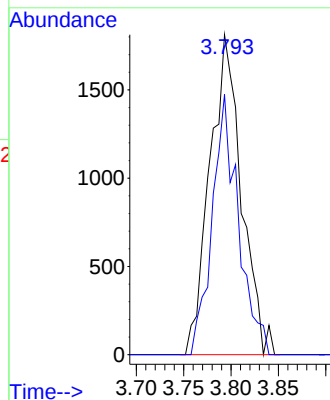
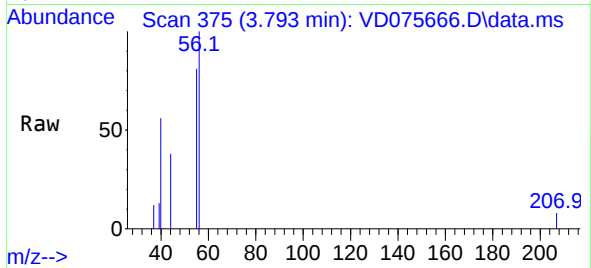




#13
Acrolein
Concen: 23.728 ug/l
RT: 3.793 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

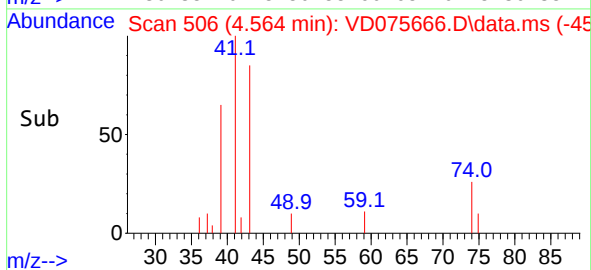
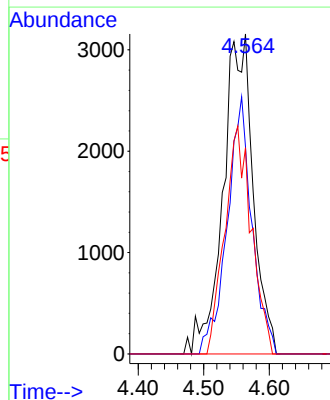
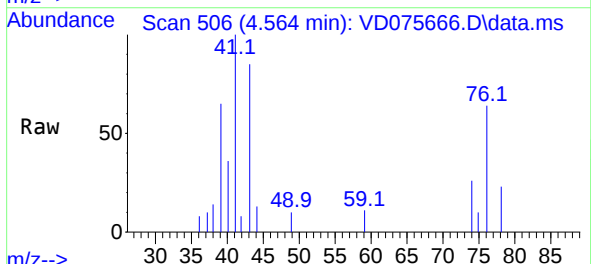
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

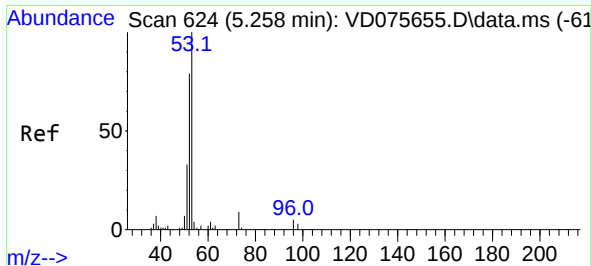
Tgt Ion: 56 Resp: 4209
Ion Ratio Lower Upper
56 100
55 67.1 53.9 80.9



#14
Allyl chloride
Concen: 5.326 ug/l
RT: 4.564 min Scan# 506
Delta R.T. 0.001 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 41 Resp: 10029
Ion Ratio Lower Upper
41 100
39 66.3 60.6 90.8
76 63.3 28.6 43.0#

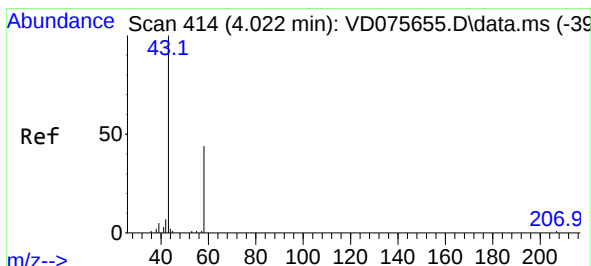
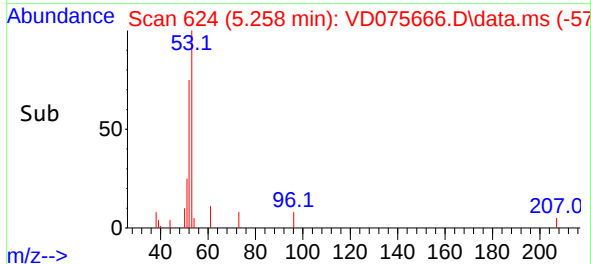
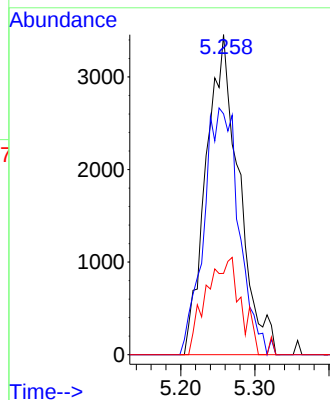
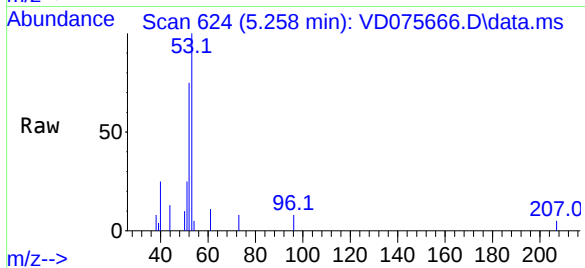




#15
Acrylonitrile
Concen: 28.785 ug/l
RT: 5.258 min Scan# 61
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

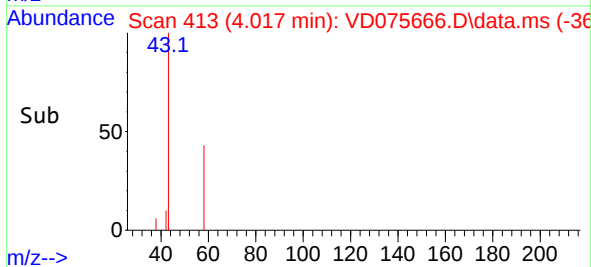
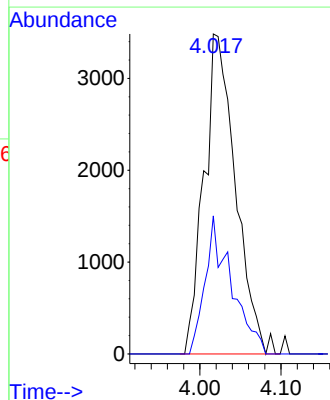
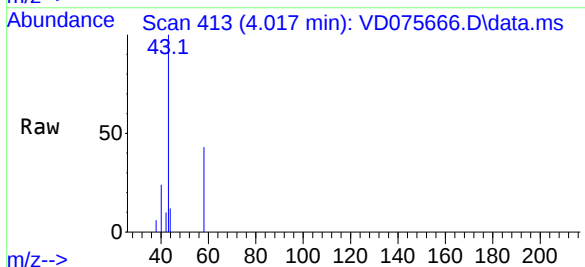
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

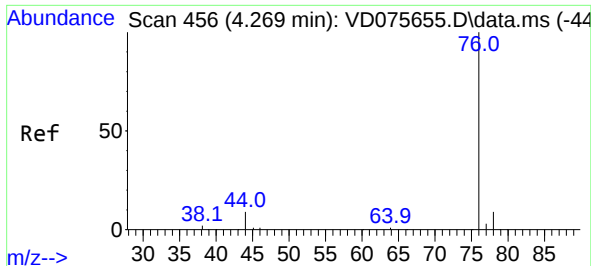
Tgt Ion:	53	Resp:	10656
Ion	Ratio	Lower	Upper
53	100		
52	82.9	66.2	99.4
51	31.7	30.7	46.1



#16
Acetone
Concen: 29.370 ug/l
RT: 4.017 min Scan# 413
Delta R.T. -0.005 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion:	43	Resp:	9428
Ion	Ratio	Lower	Upper
43	100		
58	43.1	24.4	36.6#

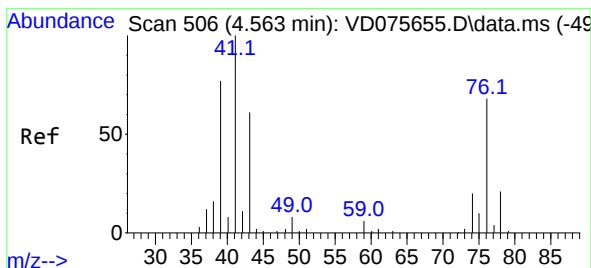
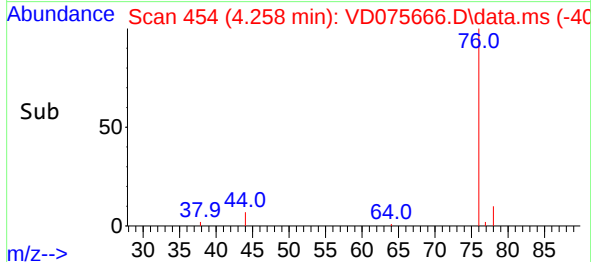
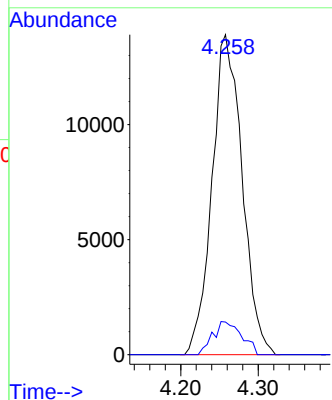
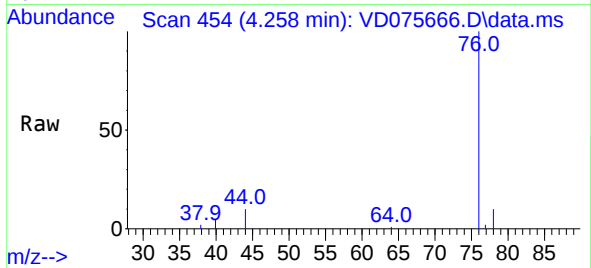




#17
Carbon Disulfide
Concen: 5.552 ug/l
RT: 4.258 min Scan# 41
Delta R.T. -0.011 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

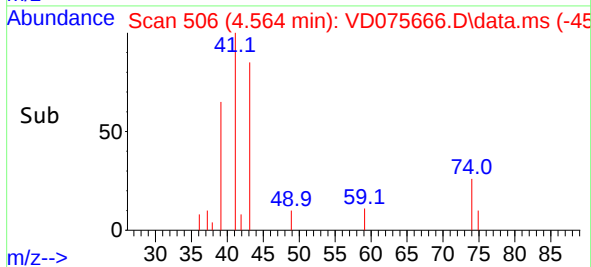
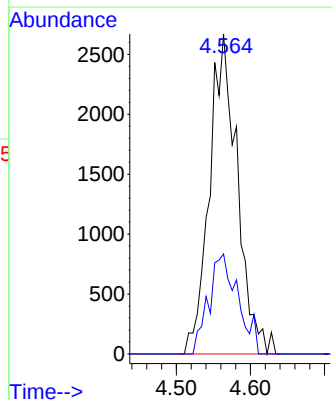
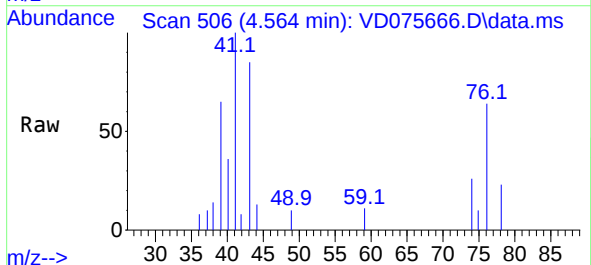
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

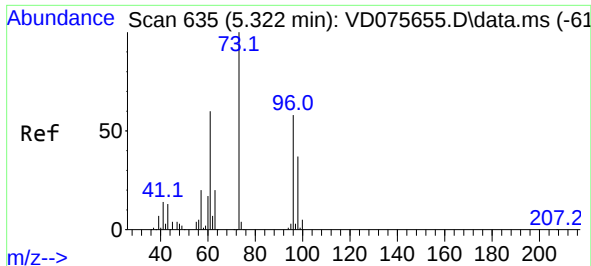
Tgt Ion: 76 Resp: 37568
Ion Ratio Lower Upper
76 100
78 10.2 8.0 12.0



#18
Methyl Acetate
Concen: 6.458 ug/l
RT: 4.564 min Scan# 506
Delta R.T. 0.001 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 43 Resp: 6991
Ion Ratio Lower Upper
43 100
74 32.7 17.8 26.6#





#19

Methyl tert-butyl Ether

Concen: 5.409 ug/l

RT: 5.305 min Scan# 61

Delta R.T. -0.017 min

Lab File: VD075666.D

Acq: 13 Apr 2023 18:02

Instrument :

MSVOA_D

ClientSampleId :

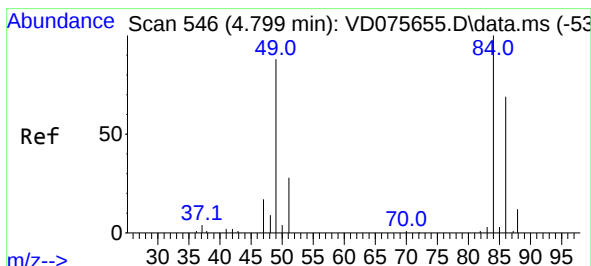
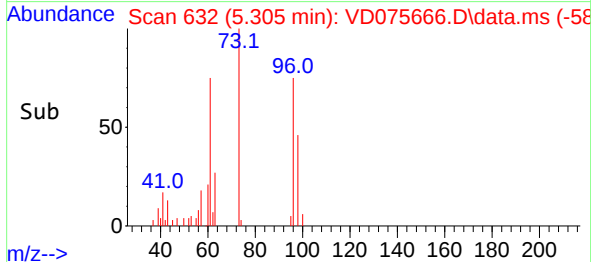
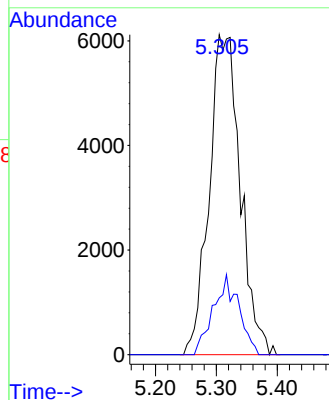
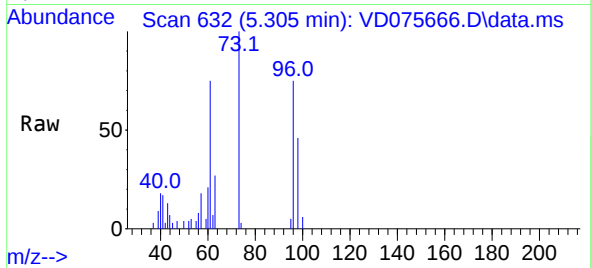
LOQ-SOIL-02-QT2-2023

Tgt Ion: 73 Resp: 21706

Ion Ratio Lower Upper

73 100

57 17.7 17.2 25.8



#20

Methylene Chloride

Concen: 6.340 ug/l

RT: 4.799 min Scan# 546

Delta R.T. -0.000 min

Lab File: VD075666.D

Acq: 13 Apr 2023 18:02

Tgt Ion: 84 Resp: 25746

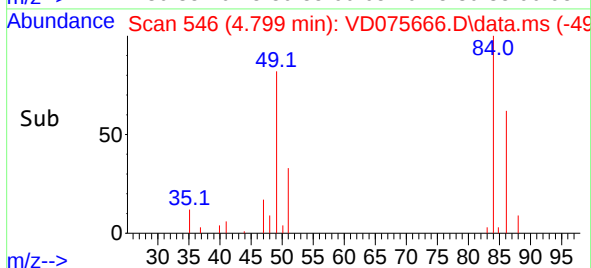
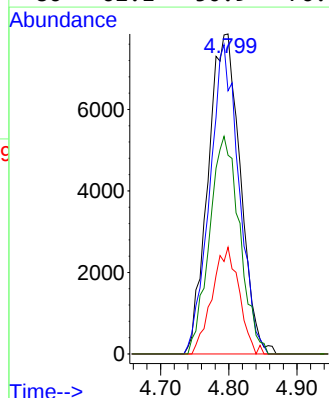
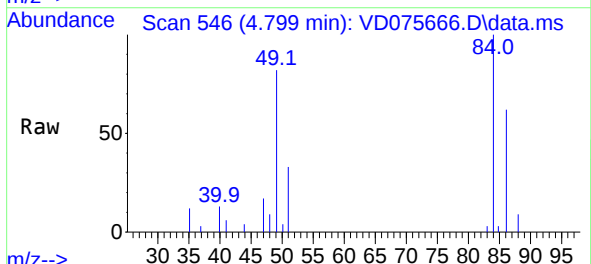
Ion Ratio Lower Upper

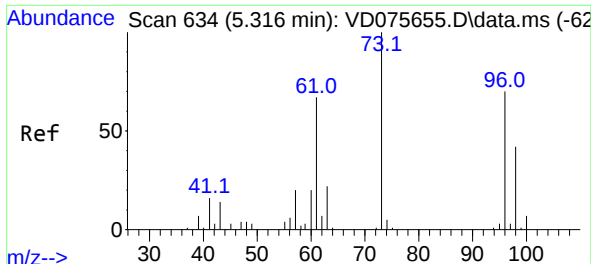
84 100

49 82.2 106.4 159.6#

51 33.3 32.4 48.6

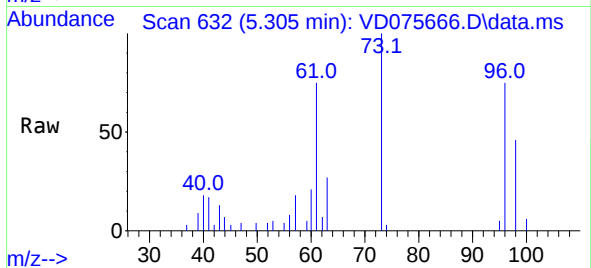
86 62.1 50.9 76.3



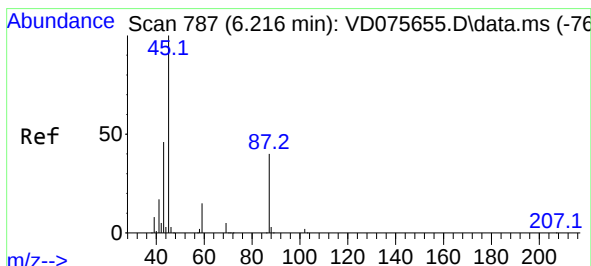
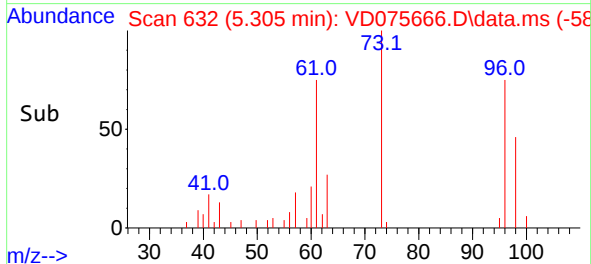
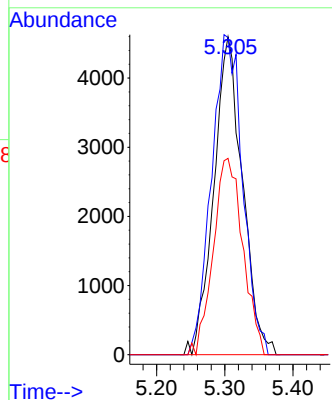


#21
trans-1,2-Dichloroethene
Concen: 5.451 ug/l
RT: 5.305 min Scan# 61
Delta R.T. -0.011 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

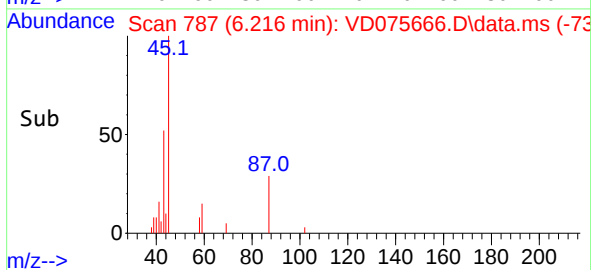
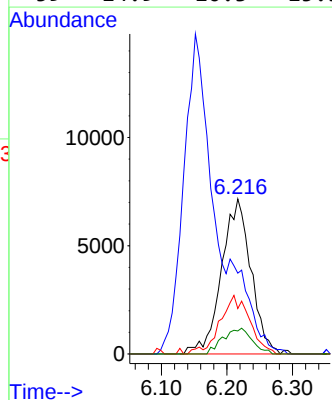
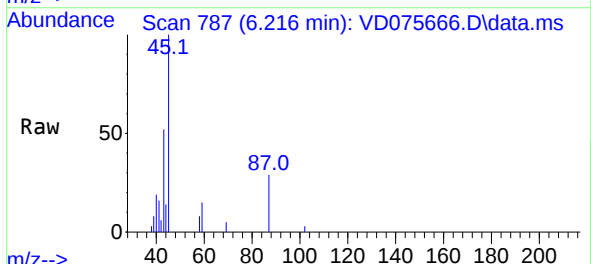


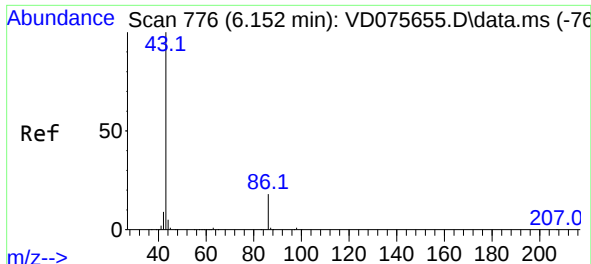
Tgt Ion: 96 Resp: 13424
Ion Ratio Lower Upper
96 100
61 99.8 117.2 175.8#
98 61.8 50.6 76.0



#22
Diisopropyl ether
Concen: 5.241 ug/l
RT: 6.216 min Scan# 787
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 45 Resp: 22302
Ion Ratio Lower Upper
45 100
43 49.2 44.4 66.6
87 29.3 20.9 31.3
59 14.9 10.3 15.5

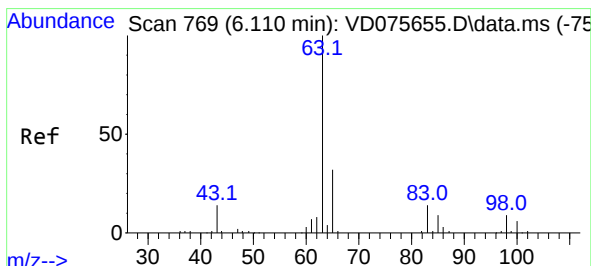
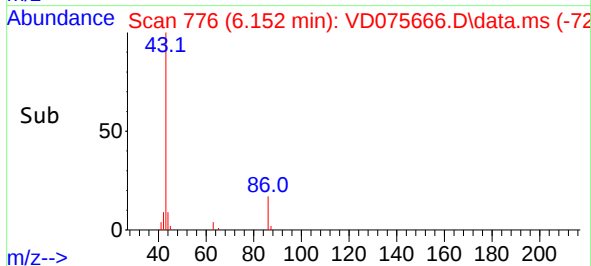
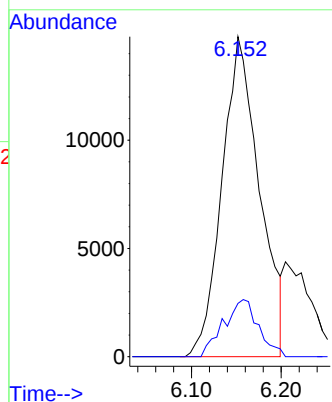
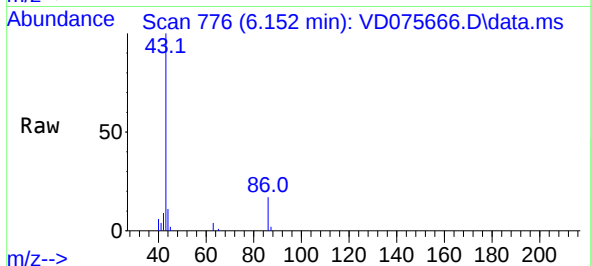




#23
 Vinyl Acetate
 Concen: 21.715 ug/l
 RT: 6.152 min Scan# 776
 Delta R.T. -0.000 min
 Lab File: VD075666.D
 Acq: 13 Apr 2023 18:02

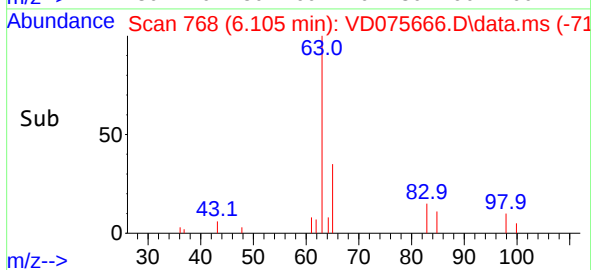
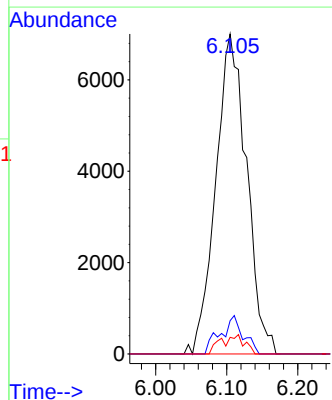
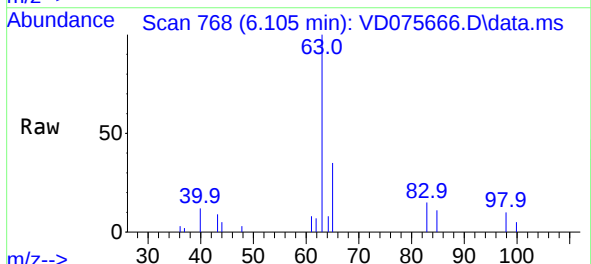
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

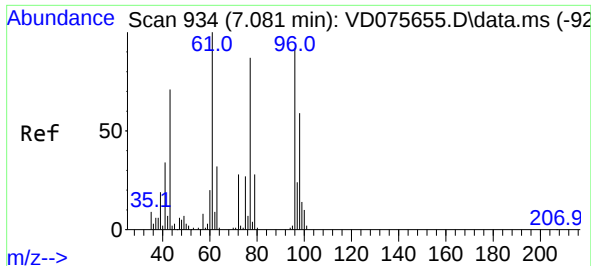
Tgt Ion: 43 Resp: 42918
 Ion Ratio Lower Upper
 43 100
 86 16.7 9.0 13.6#



#24
 1,1-Dichloroethane
 Concen: 5.982 ug/l
 RT: 6.105 min Scan# 768
 Delta R.T. -0.005 min
 Lab File: VD075666.D
 Acq: 13 Apr 2023 18:02

Tgt Ion: 63 Resp: 21091
 Ion Ratio Lower Upper
 63 100
 98 10.4 3.9 11.7
 100 5.2 2.0 6.0

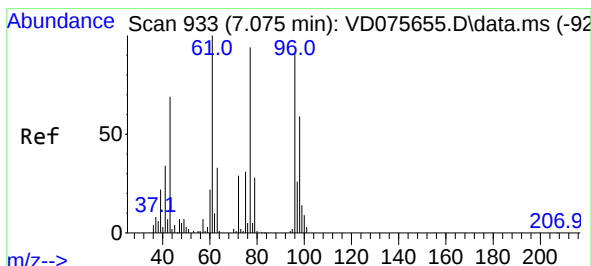
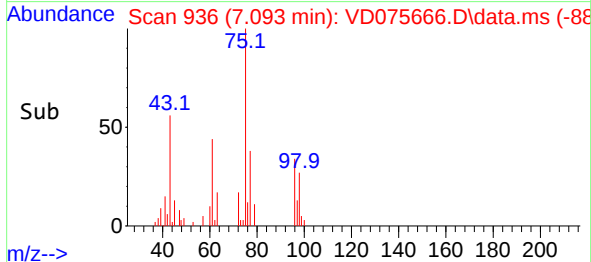
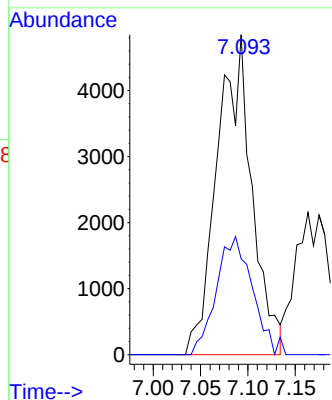
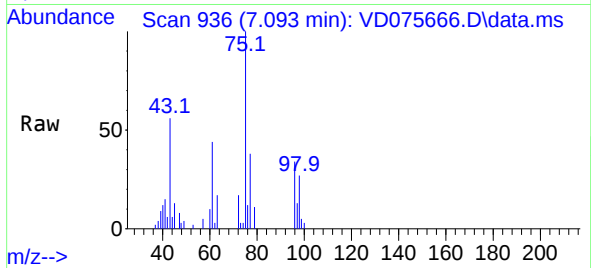




#25
2-Butanone
Concen: 29.943 ug/l
RT: 7.093 min Scan# 91
Delta R.T. 0.012 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

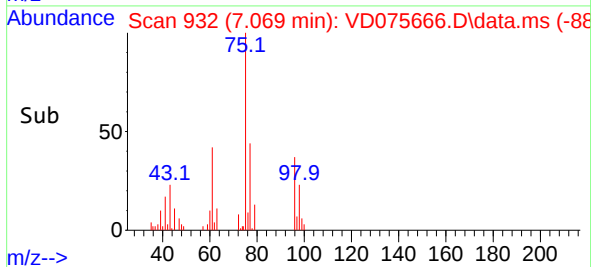
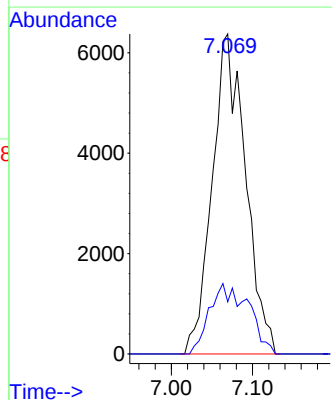
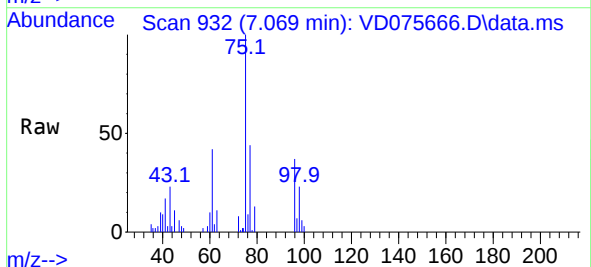
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

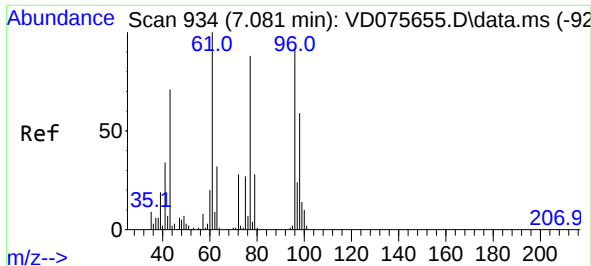
Tgt Ion: 43 Resp: 12376
Ion Ratio Lower Upper
43 100
72 29.9 19.8 29.8#



#26
2,2-Dichloropropane
Concen: 5.664 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 77 Resp: 18106
Ion Ratio Lower Upper
77 100
97 25.6 11.1 33.1

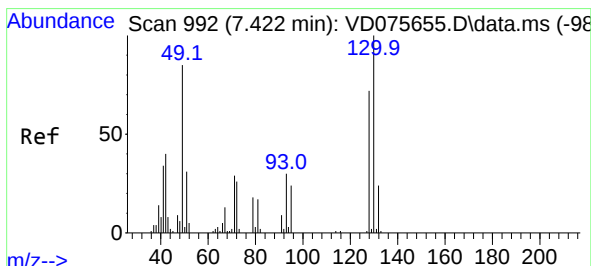
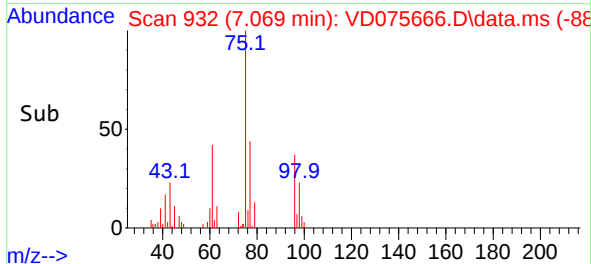
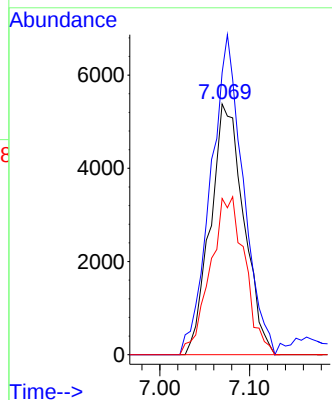
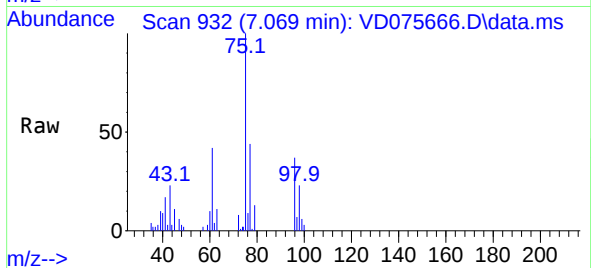




#27
cis-1,2-Dichloroethene
Concen: 5.098 ug/l
RT: 7.069 min Scan# 91
Delta R.T. -0.012 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

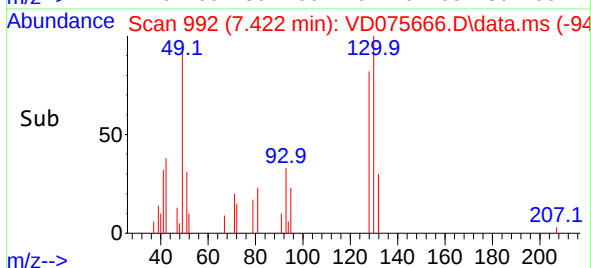
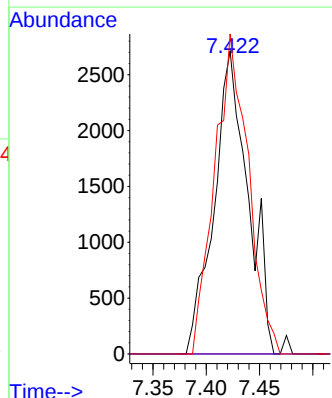
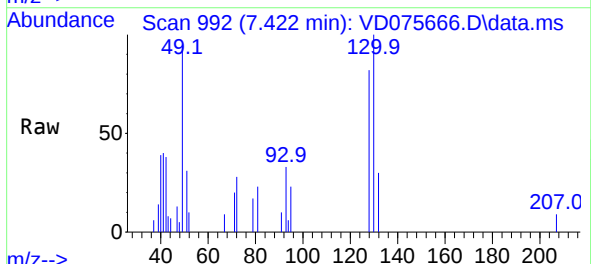
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

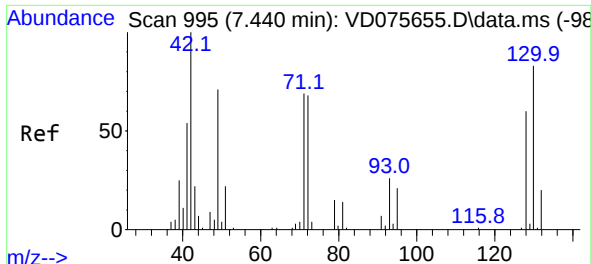
Tgt Ion:	96	Resp:	13906
Ion	Ratio	Lower	Upper
96	100		
61	124.2	0.0	295.2
98	65.4	0.0	129.2



#28
Bromochloromethane
Concen: 5.428 ug/l
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion:	49	Resp:	6050
Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	2.2
130	103.8	56.0	84.0#





#29

Tetrahydrofuran

Concen: 27.125 ug/l

RT: 7.446 min Scan# 995

Delta R.T. 0.006 min

Lab File: VD075666.D

Acq: 13 Apr 2023 18:02

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2023

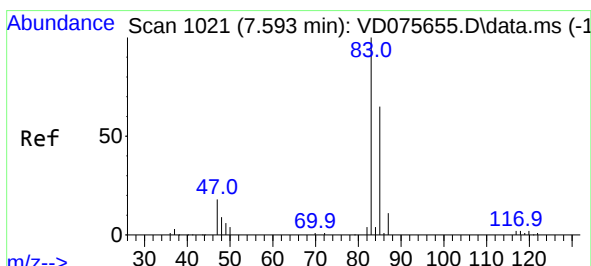
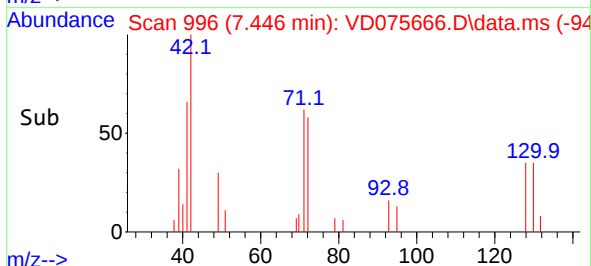
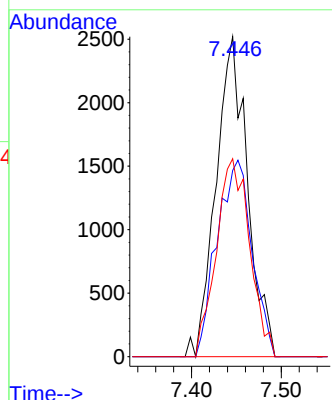
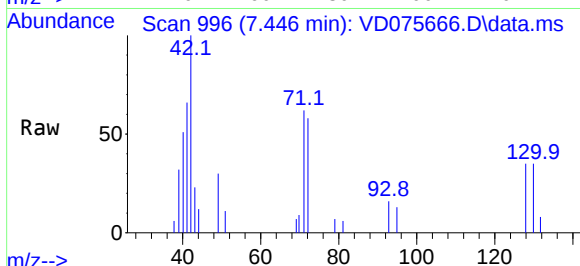
Tgt Ion: 42 Resp: 6131

Ion Ratio Lower Upper

42 100

72 68.4 31.8 47.6#

71 65.6 27.6 41.4#



#30

Chloroform

Concen: 5.801 ug/l

RT: 7.593 min Scan# 1021

Delta R.T. -0.000 min

Lab File: VD075666.D

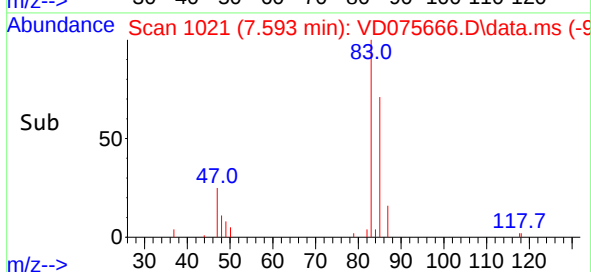
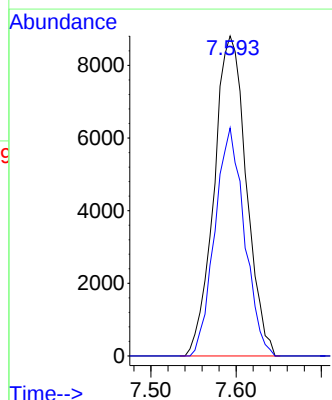
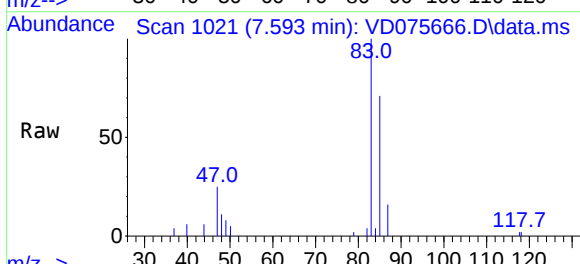
Acq: 13 Apr 2023 18:02

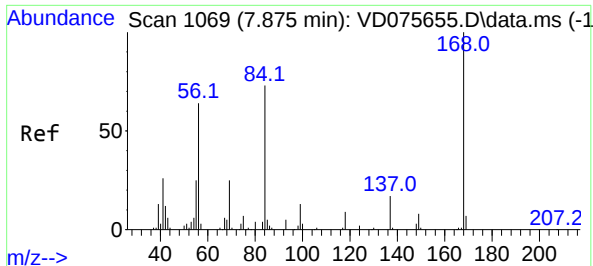
Tgt Ion: 83 Resp: 23186

Ion Ratio Lower Upper

83 100

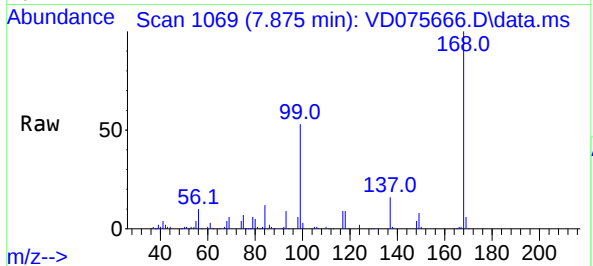
85 71.3 49.4 74.2



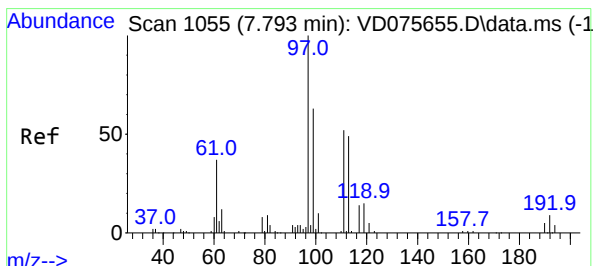
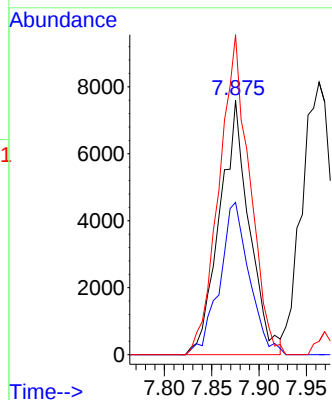
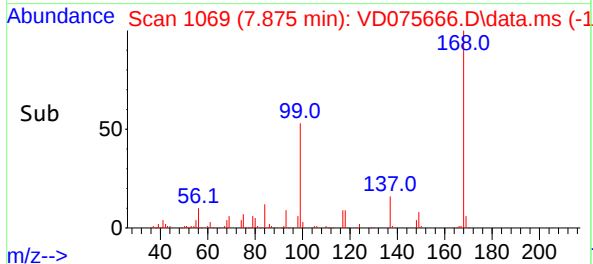


#31
Cyclohexane
Concen: 6.011 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

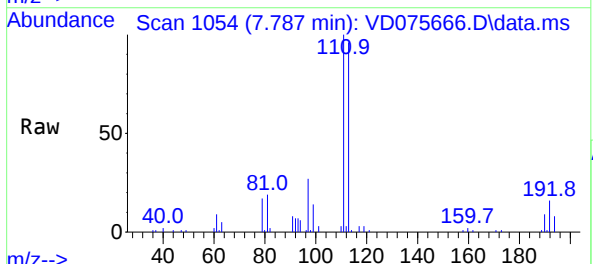
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023



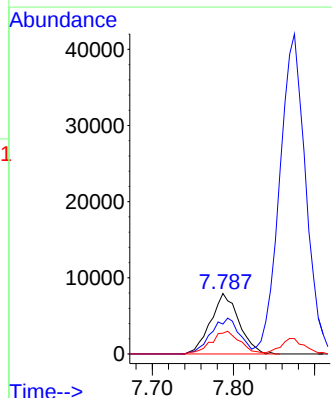
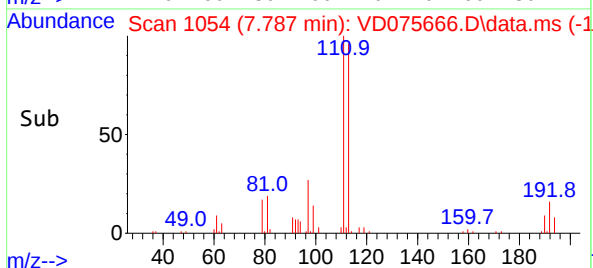
Tgt Ion: 56 Resp: 16527
Ion Ratio Lower Upper
56 100
69 59.9 25.5 38.3#
84 125.8 69.6 104.4#

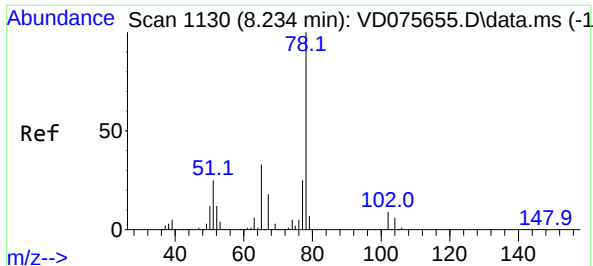


#32
1,1,1-Trichloroethane
Concen: 5.890 ug/l
RT: 7.787 min Scan# 1054
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02



Tgt Ion: 97 Resp: 19196
Ion Ratio Lower Upper
97 100
99 59.8 50.5 75.7
61 38.7 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 54.405 ug/l

RT: 8.228 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD075666.D

Acq: 13 Apr 2023 18:02

Instrument :

MSVOA_D

ClientSampleId :

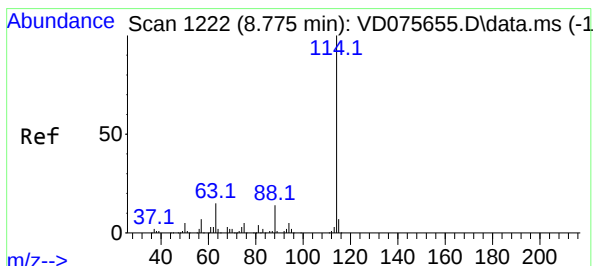
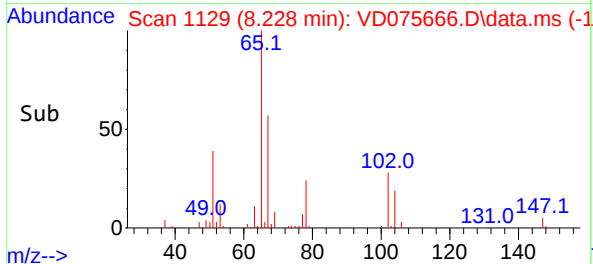
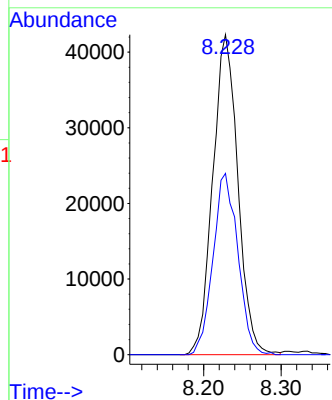
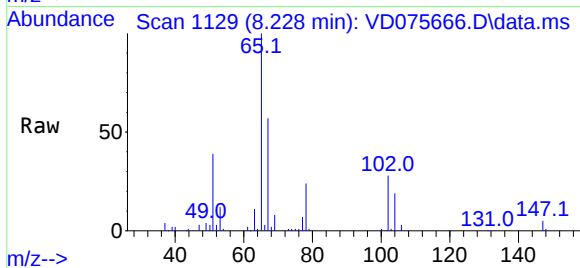
LOQ-SOIL-02-QT2-2023

Tgt Ion: 65 Resp: 95332

Ion Ratio Lower Upper

65 100

67 56.0 0.0 102.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.000 min

Lab File: VD075666.D

Acq: 13 Apr 2023 18:02

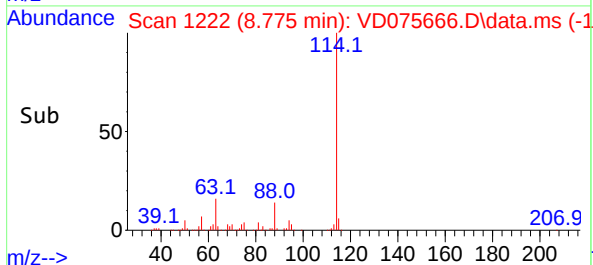
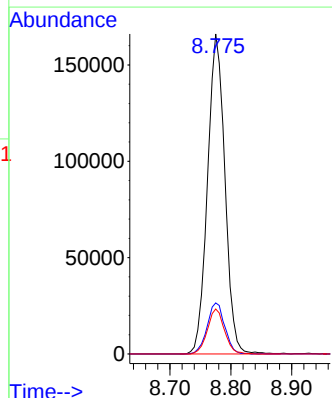
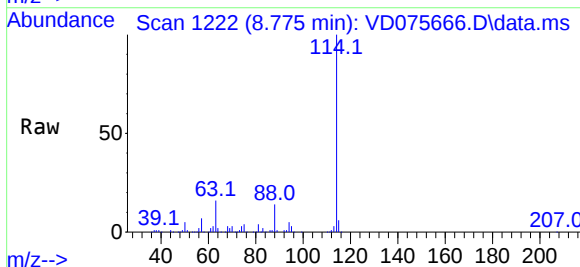
Tgt Ion:114 Resp: 329402

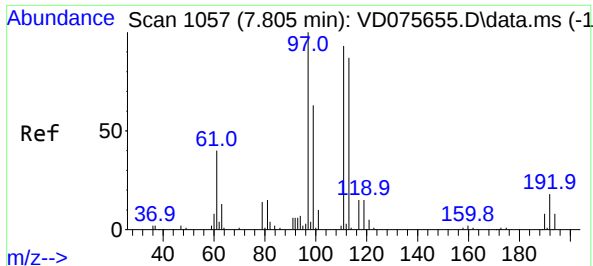
Ion Ratio Lower Upper

114 100

63 16.0 0.0 41.6

88 14.1 0.0 30.6

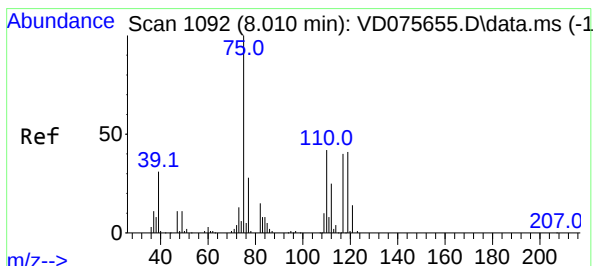
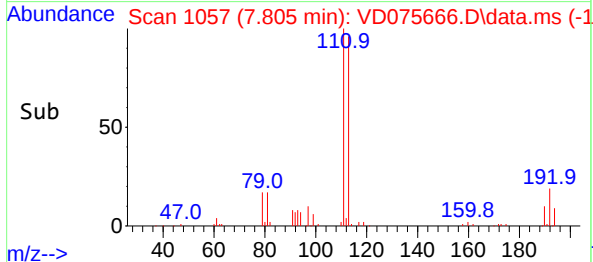
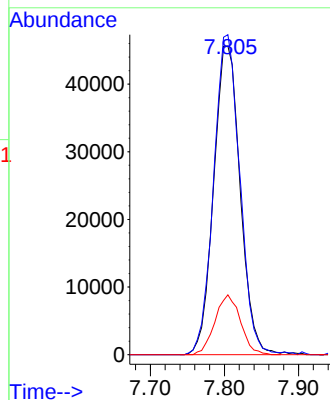
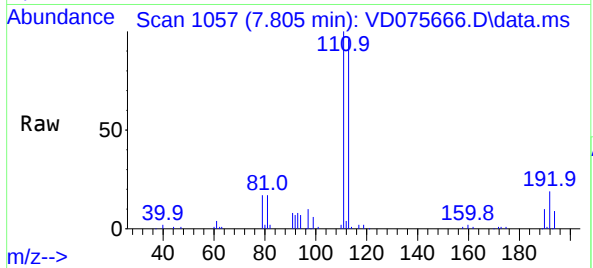




#35
Dibromofluoromethane
Concen: 51.113 ug/l
RT: 7.805 min Scan# 1057
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

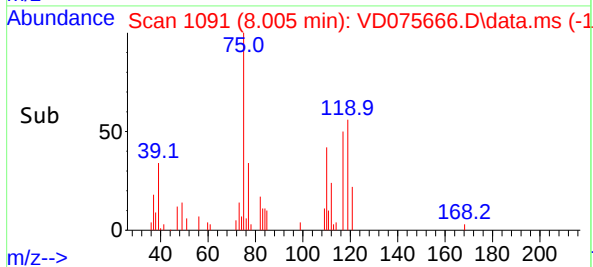
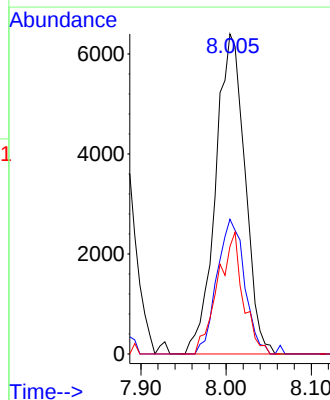
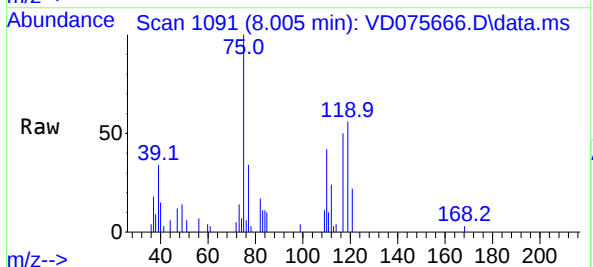
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2023

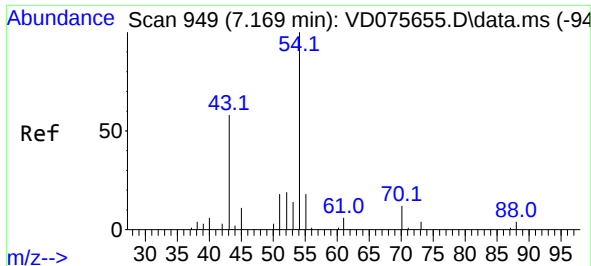
Tgt Ion: 113 Resp: 113243
Ion Ratio Lower Upper
113 100
111 102.7 81.4 122.0
192 18.7 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.016 ug/l
RT: 8.005 min Scan# 1091
Delta R.T. -0.005 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 75 Resp: 15333
Ion Ratio Lower Upper
75 100
110 39.6 17.1 51.2
77 32.9 24.6 36.8





#37

Ethyl Acetate

Concen: 6.307 ug/l

RT: 7.163 min Scan# 94

Delta R.T. -0.006 min

Lab File: VD075666.D

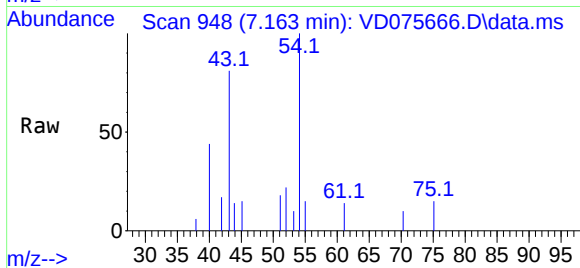
Acq: 13 Apr 2023 18:02

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2023



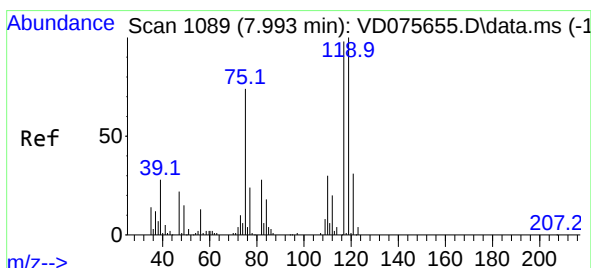
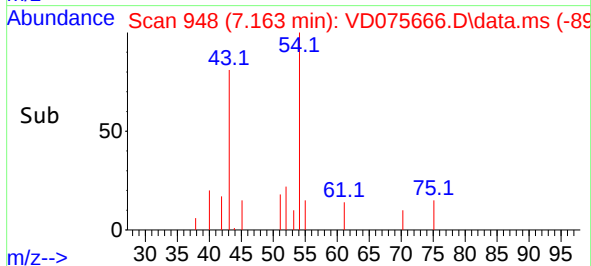
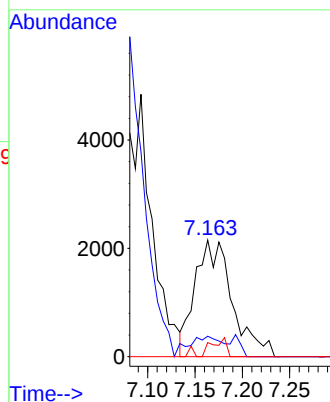
Tgt Ion: 43 Resp: 5867

Ion Ratio Lower Upper

43 100

61 0.0 0.0 0.0

70 1.1 5.6 8.4#



#38

Carbon Tetrachloride

Concen: 4.956 ug/l

RT: 7.987 min Scan# 1088

Delta R.T. -0.006 min

Lab File: VD075666.D

Acq: 13 Apr 2023 18:02

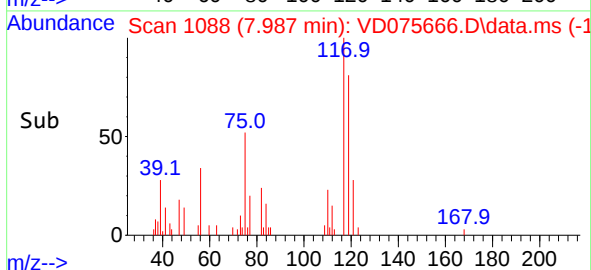
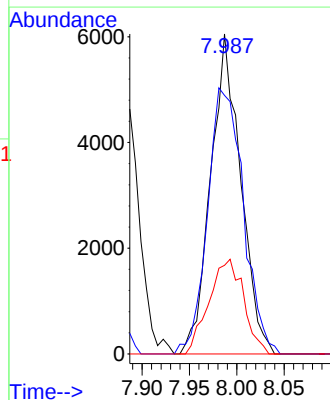
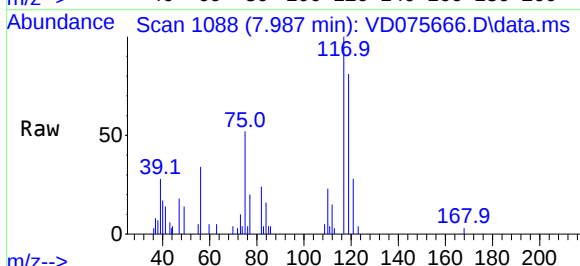
Tgt Ion: 117 Resp: 13340

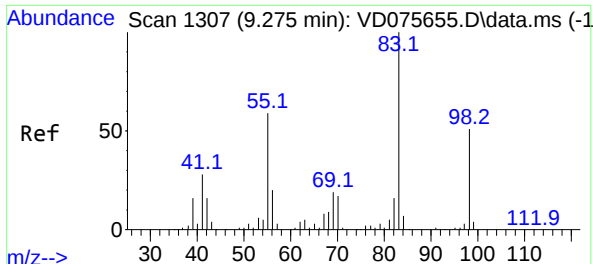
Ion Ratio Lower Upper

117 100

119 80.8 74.7 112.1

121 27.7 25.9 38.9





#39

Methylcyclohexane

Concen: 4.948 ug/l

RT: 9.275 min Scan# 1132

Delta R.T. 0.000 min

Lab File: VD075666.D

Acq: 13 Apr 2023 18:02

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2023

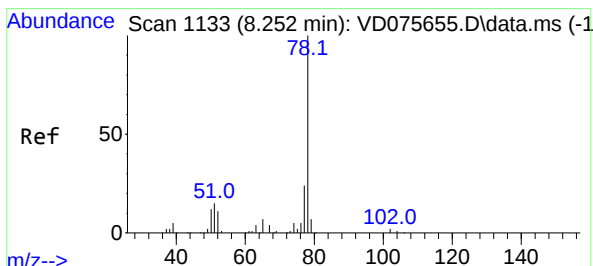
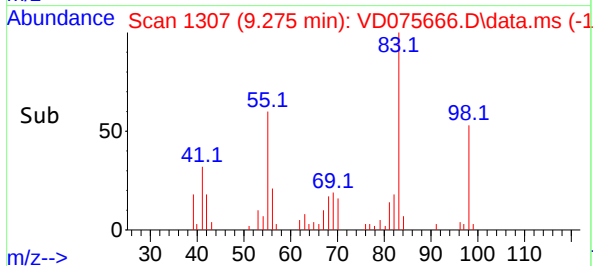
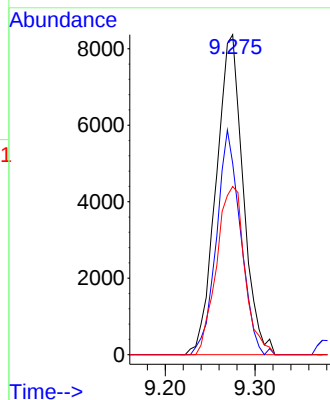
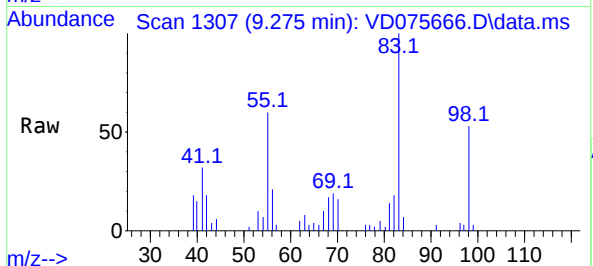
Tgt Ion: 83 Resp: 17488

Ion Ratio Lower Upper

83 100

55 59.8 56.8 85.2

98 52.6 38.9 58.3



#40

Benzene

Concen: 5.383 ug/l

RT: 8.246 min Scan# 1132

Delta R.T. -0.006 min

Lab File: VD075666.D

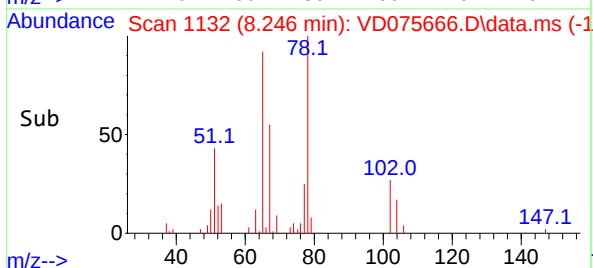
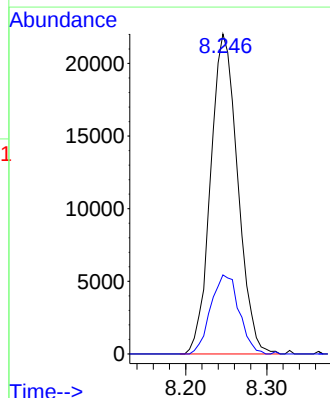
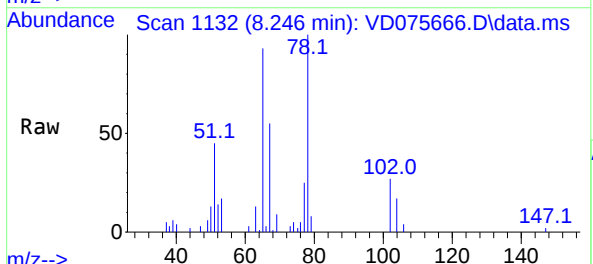
Acq: 13 Apr 2023 18:02

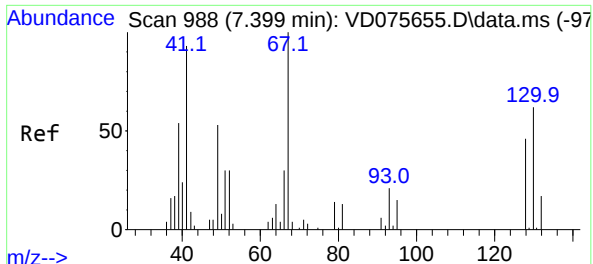
Tgt Ion: 78 Resp: 51146

Ion Ratio Lower Upper

78 100

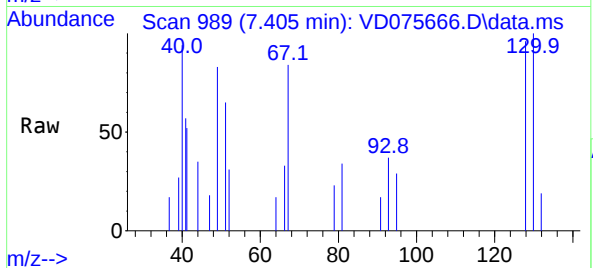
77 24.7 19.1 28.7





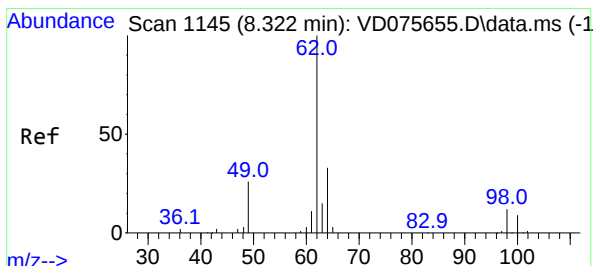
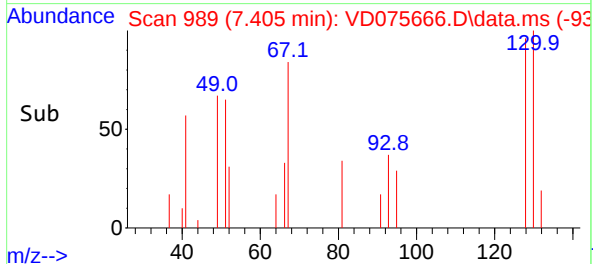
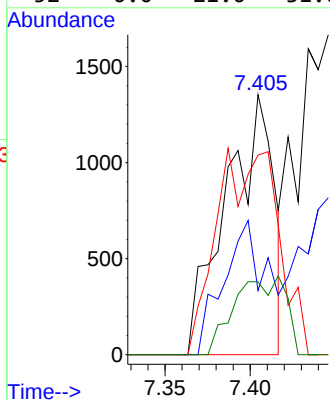
#41
Methacrylonitrile
Concen: 5.932 ug/l
RT: 7.405 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023



Tgt Ion: 41 Resp: 2648

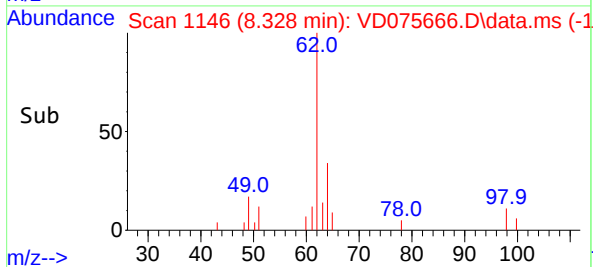
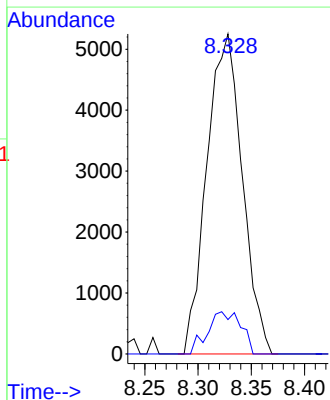
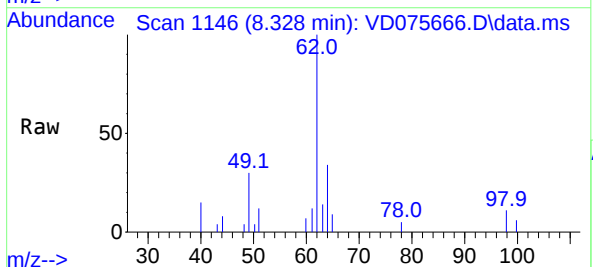
Ion	Ratio	Lower	Upper
41	100		
39	46.1	45.3	67.9
67	43.3	50.5	75.7#
52	0.0	21.0	31.6#

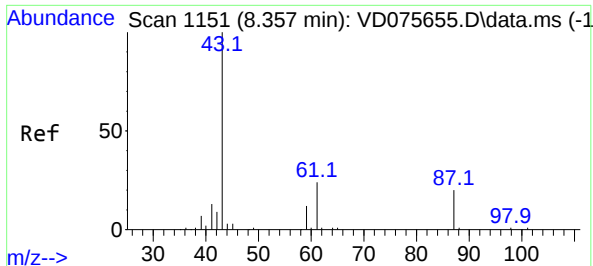


#42
1,2-Dichloroethane
Concen: 5.633 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 62 Resp: 12157

Ion	Ratio	Lower	Upper
62	100		
98	12.4	0.0	18.8

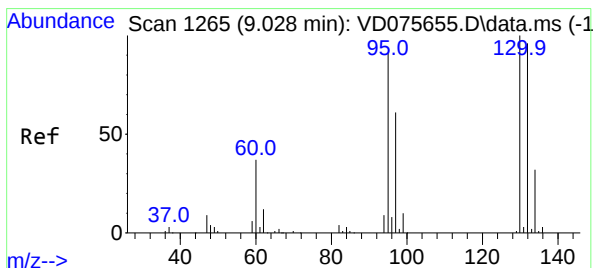
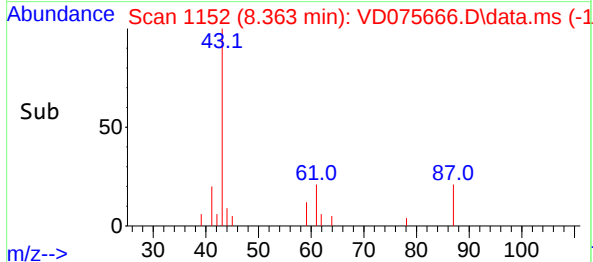
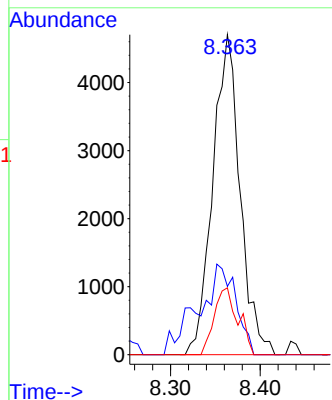
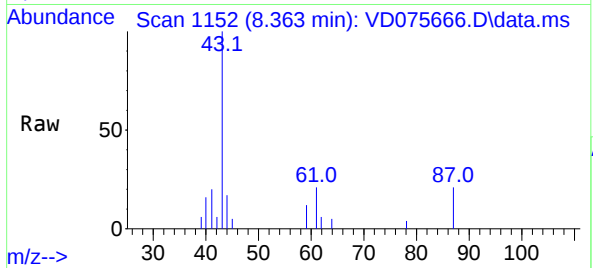




#43
Isopropyl Acetate
Concen: 5.863 ug/l
RT: 8.363 min Scan# 1152
Delta R.T. 0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

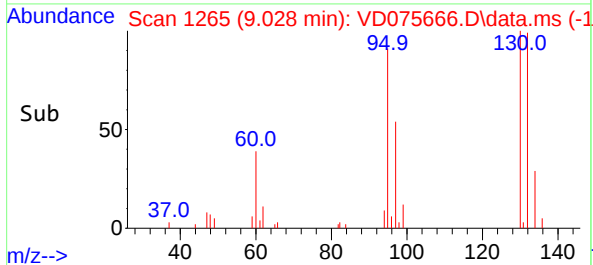
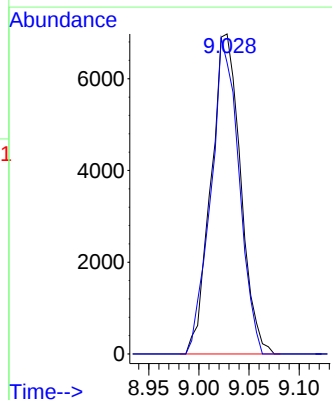
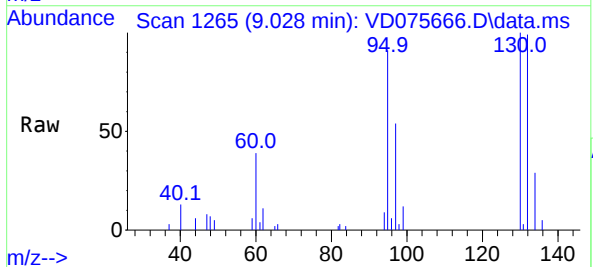
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

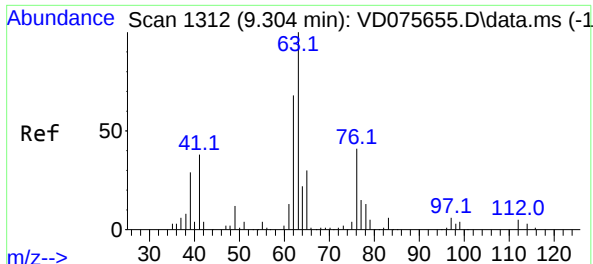
Tgt Ion: 43 Resp: 9945
Ion Ratio Lower Upper
43 100
61 27.0 23.4 35.0
87 18.2 9.5 14.3#



#44
Trichloroethene
Concen: 5.309 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion:130 Resp: 14276
Ion Ratio Lower Upper
130 100
95 91.0 0.0 197.6

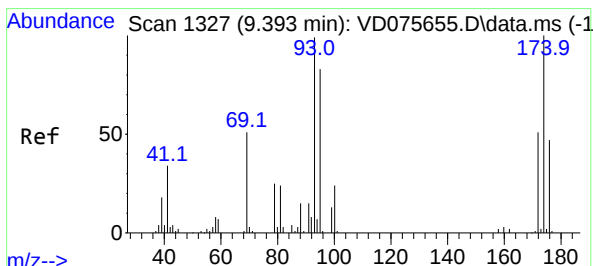
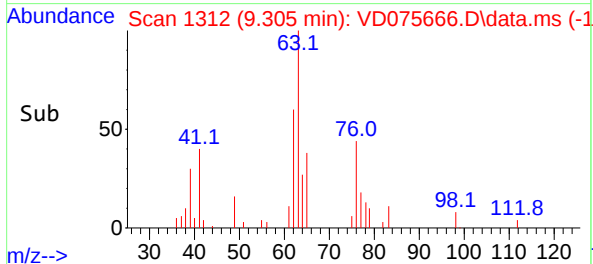
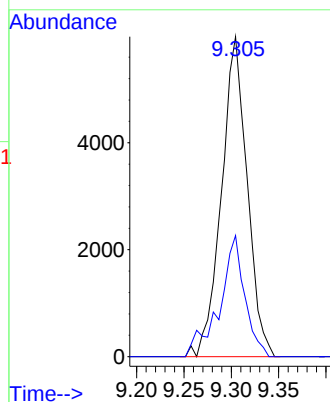
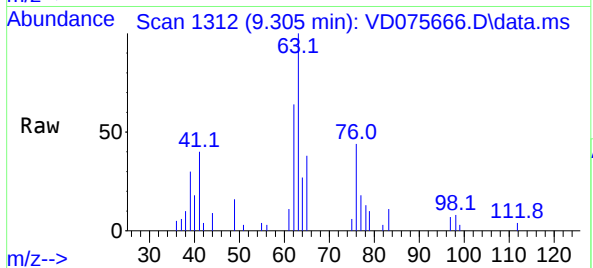




#45
1,2-Dichloropropane
Concen: 5.295 ug/l
RT: 9.305 min Scan# 11
Delta R.T. 0.001 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

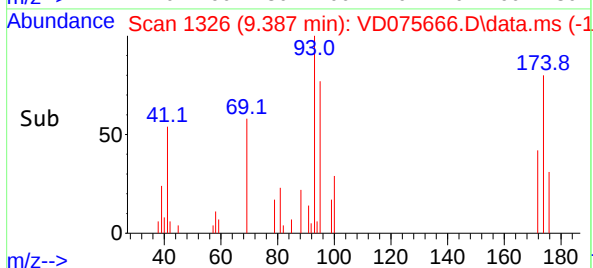
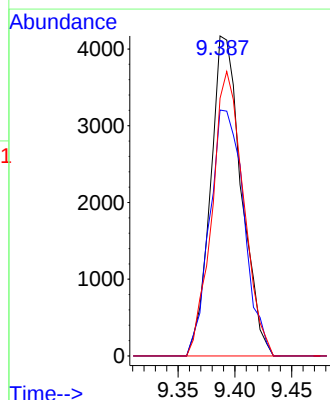
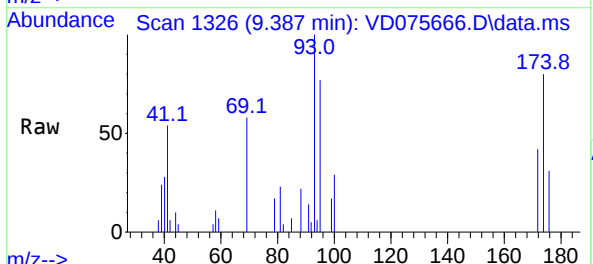
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

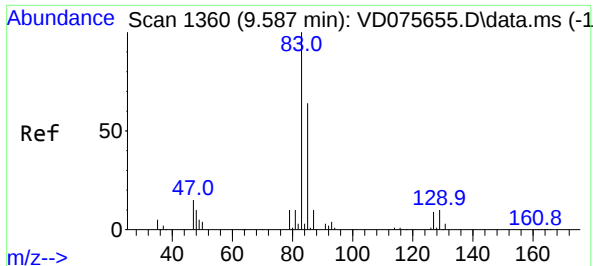
Tgt Ion: 63 Resp: 11274
Ion Ratio Lower Upper
63 100
65 37.9 23.0 34.4#



#46
Dibromomethane
Concen: 5.826 ug/l
RT: 9.387 min Scan# 1326
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 93 Resp: 7870
Ion Ratio Lower Upper
93 100
95 85.3 64.5 96.7
174 90.7 76.2 114.4

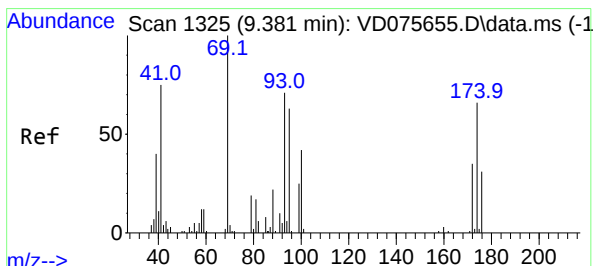
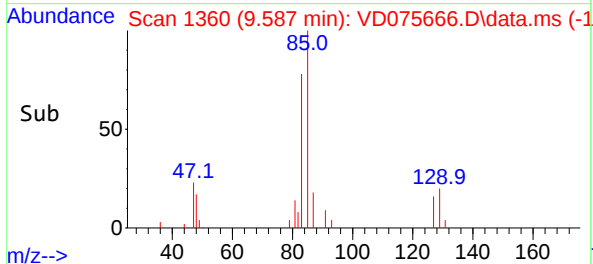
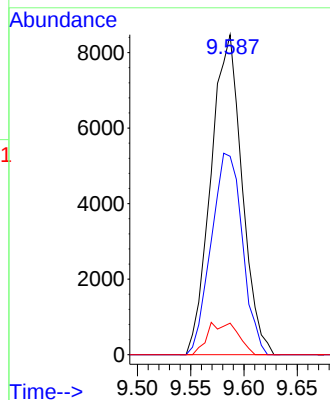
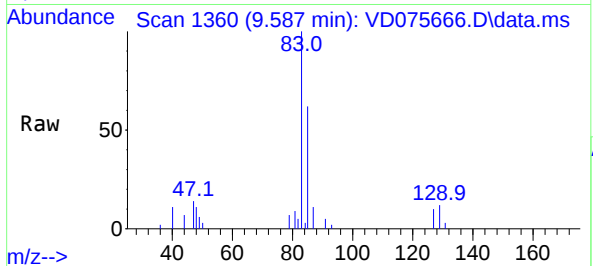




#47
Bromodichloromethane
Concen: 5.562 ug/l
RT: 9.587 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

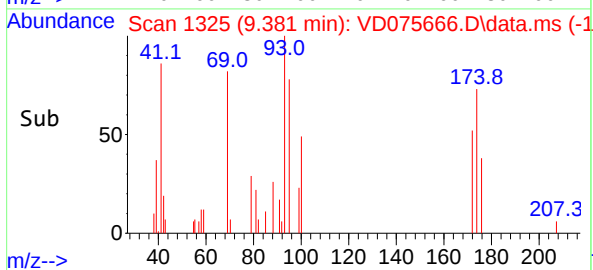
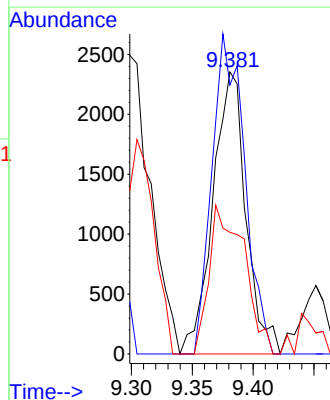
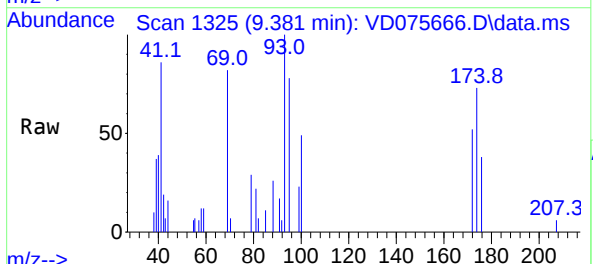
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

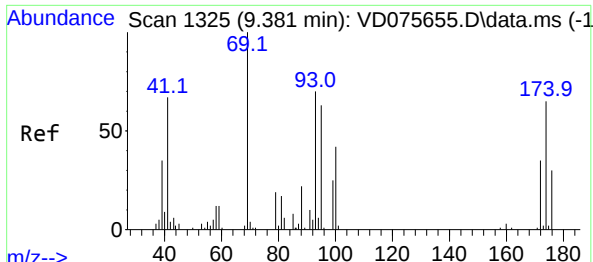
Tgt Ion: 83	Resp:	17186
Ion	Ratio	Lower Upper
83	100	
85	62.0	53.7 80.5
127	9.8	7.0 10.6



#48
Methyl methacrylate
Concen: 5.886 ug/l
RT: 9.381 min Scan# 1325
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

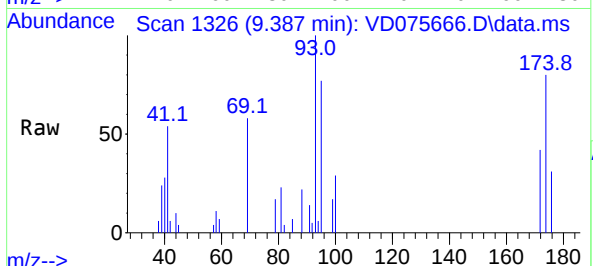
Tgt Ion: 41	Resp:	4448
Ion	Ratio	Lower Upper
41	100	
69	111.8	58.6 88.0#
39	55.7	53.4 80.0



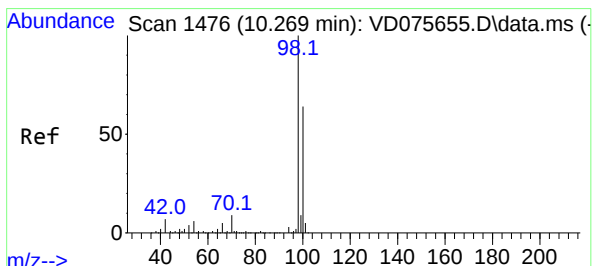
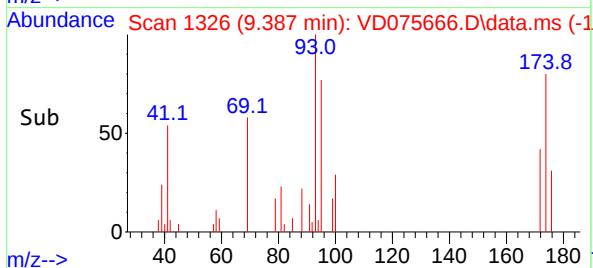
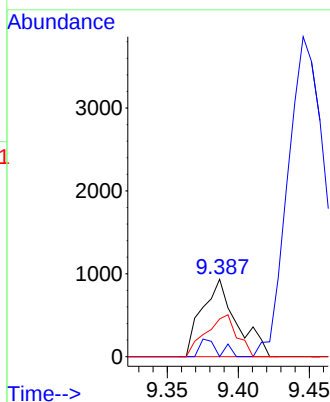


#49
1,4-Dioxane
Concen: 117.816 ug/l
RT: 9.387 min Scan# 1325
Delta R.T. 0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

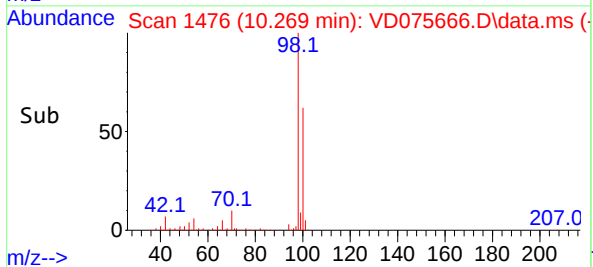
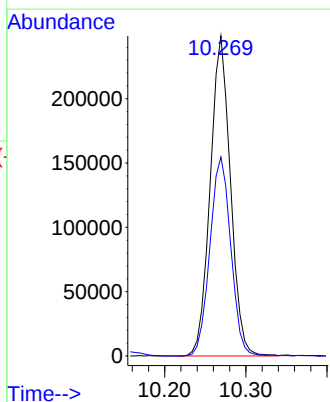
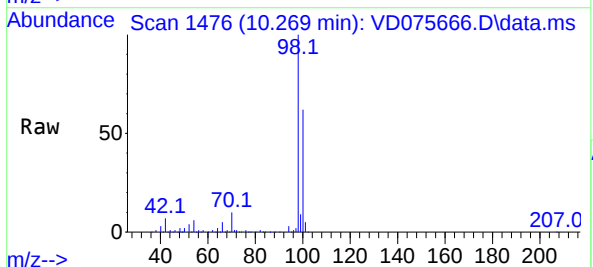


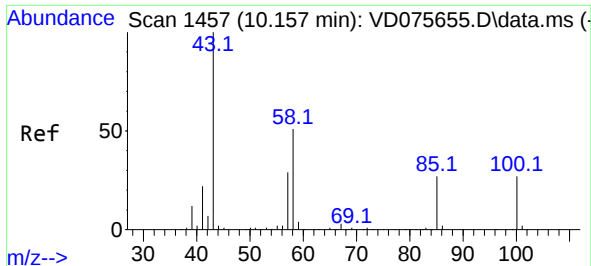
Tgt Ion: 88 Resp: 1579
Ion Ratio Lower Upper
88 100
43 0.0 34.6 51.8#
58 48.4 58.0 87.0#



#50
Toluene-d8
Concen: 48.485 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 98 Resp: 430177
Ion Ratio Lower Upper
98 100
100 64.2 52.1 78.1

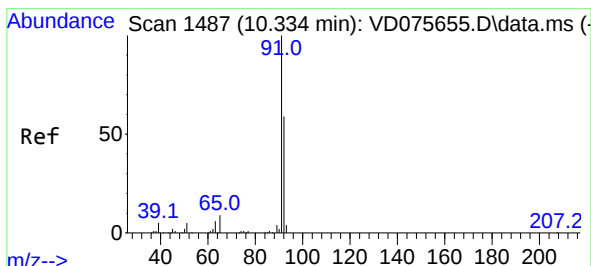
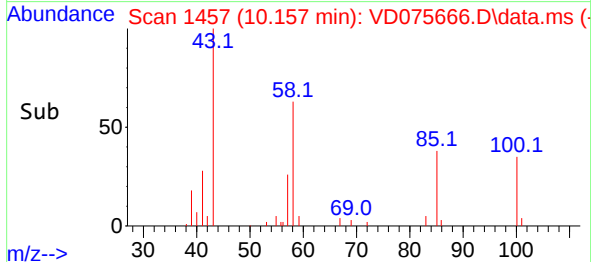
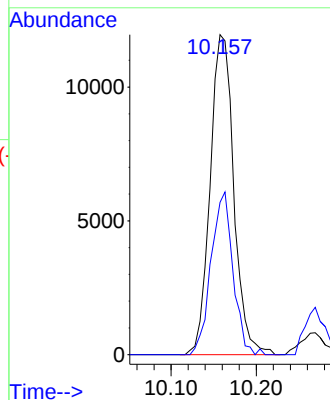
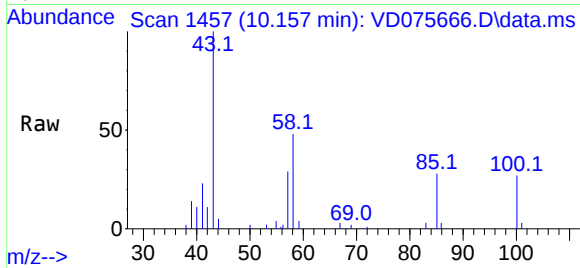




#51
4-Methyl-2-Pentanone
Concen: 25.506 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

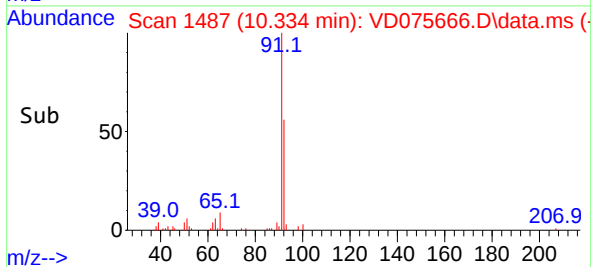
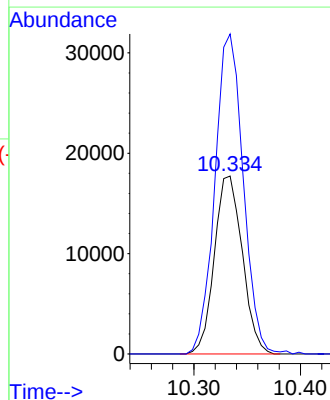
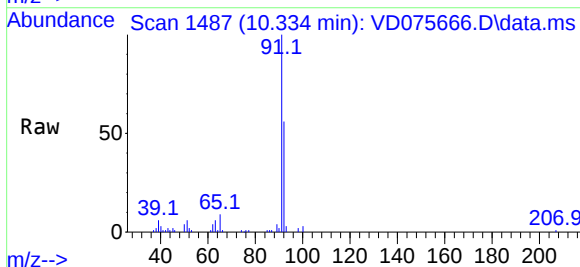
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

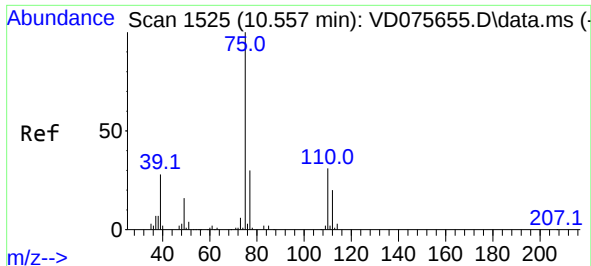
Tgt Ion: 43 Resp: 23067
Ion Ratio Lower Upper
43 100
58 47.2 29.5 44.3#



#52
Toluene
Concen: 5.107 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 92 Resp: 32267
Ion Ratio Lower Upper
92 100
91 182.8 136.5 204.7

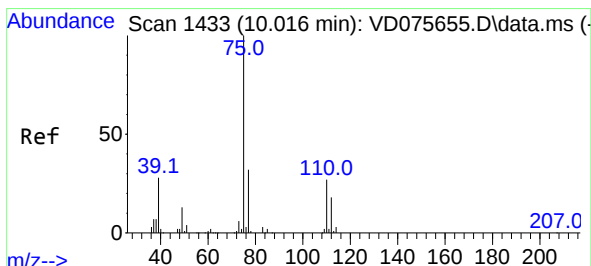
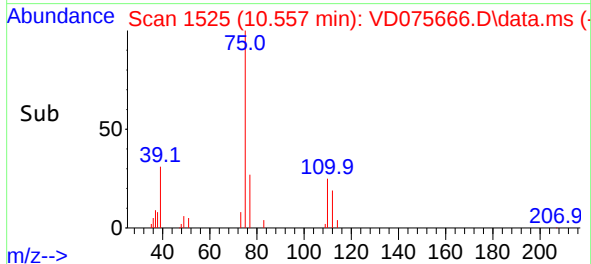
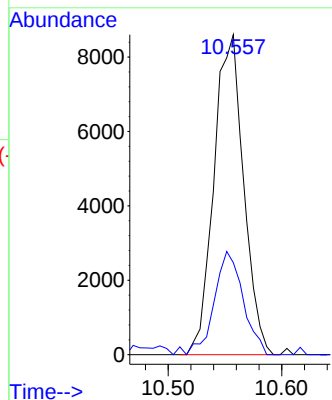
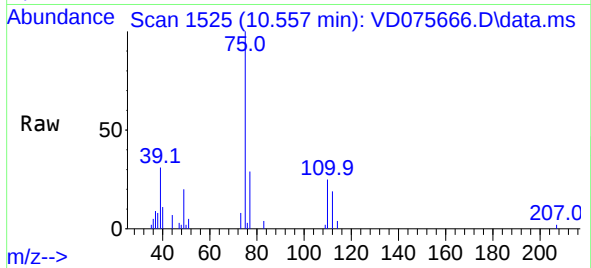




#53
t-1,3-Dichloropropene
Concen: 5.276 ug/l
RT: 10.557 min Scan# 1525
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

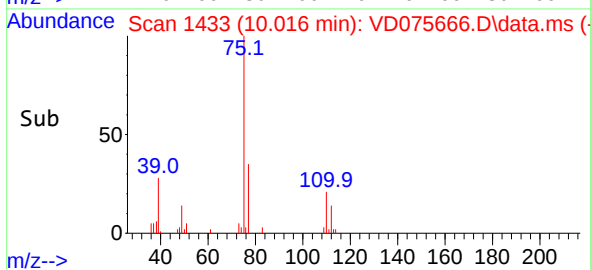
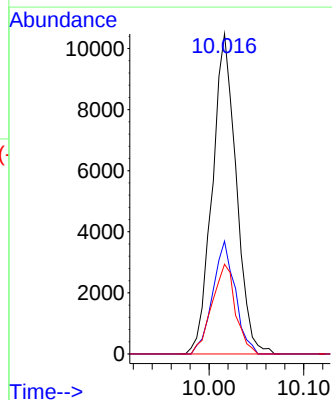
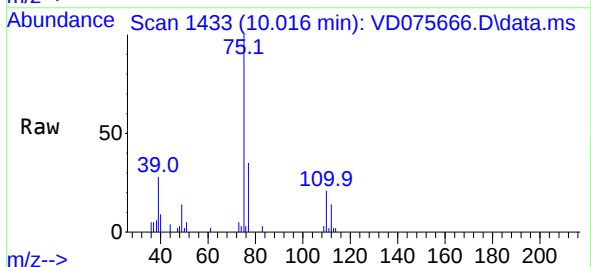
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2023

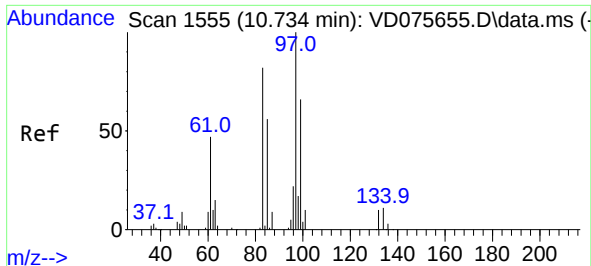
Tgt Ion: 75 Resp: 15628
Ion Ratio Lower Upper
75 100
77 28.8 26.3 39.5



#54
cis-1,3-Dichloropropene
Concen: 5.222 ug/l
RT: 10.016 min Scan# 1433
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 75 Resp: 18378
Ion Ratio Lower Upper
75 100
77 35.3 25.6 38.4
39 28.1 44.8 67.2#

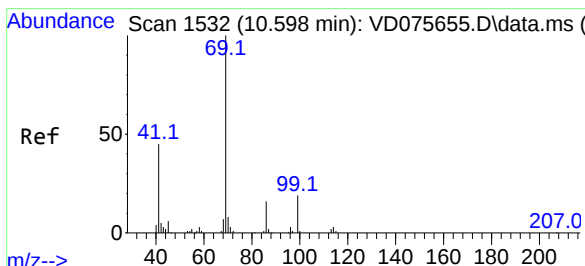
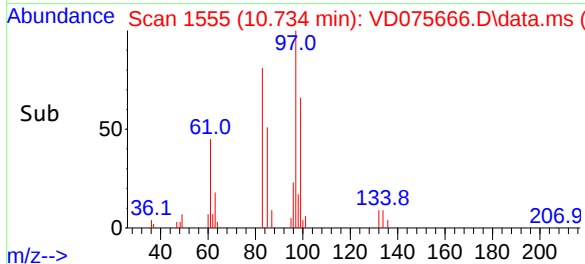
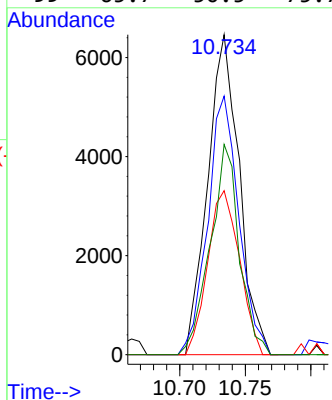
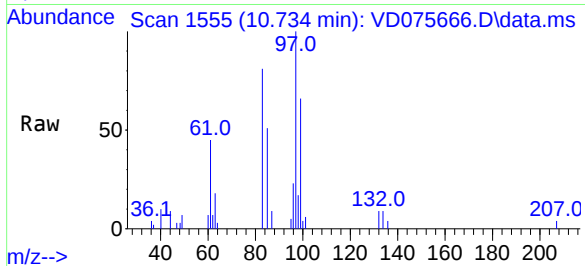




#55
1,1,2-Trichloroethane
Concen: 5.526 ug/l
RT: 10.734 min Scan# 1555
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

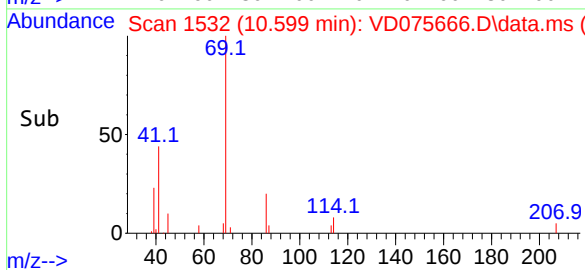
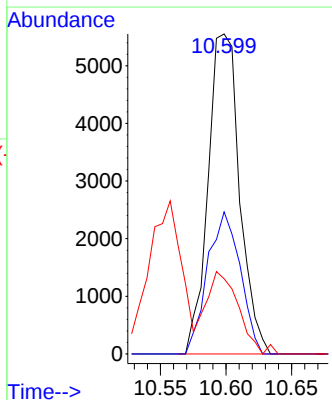
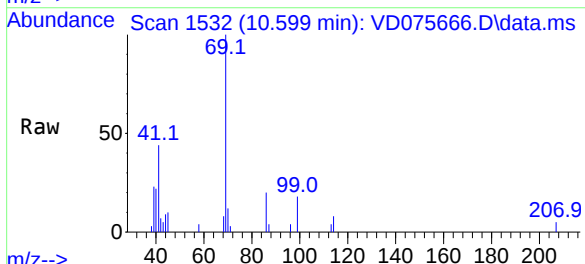
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2023

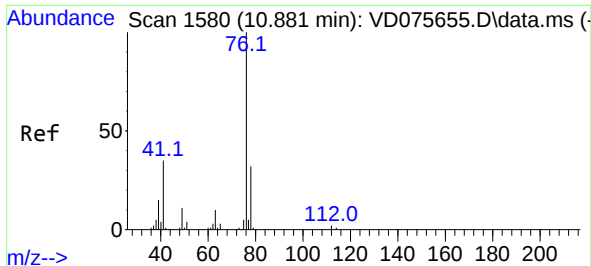
Tgt Ion:	97	Resp:	10809
Ion	Ratio	Lower	Upper
97	100		
83	80.8	74.2	111.4
85	51.2	45.4	68.0
99	65.7	50.5	75.7



#56
Ethyl methacrylate
Concen: 4.835 ug/l
RT: 10.599 min Scan# 1532
Delta R.T. 0.001 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion:	69	Resp:	9306
Ion	Ratio	Lower	Upper
69	100		
41	46.0	59.3	88.9#
39	26.8	36.0	54.0#

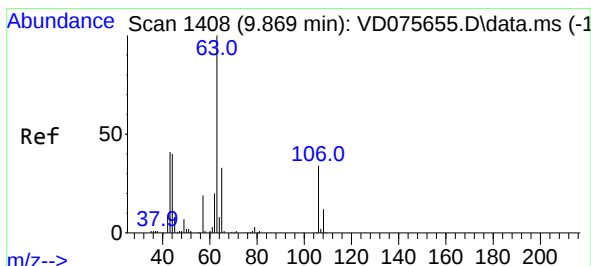
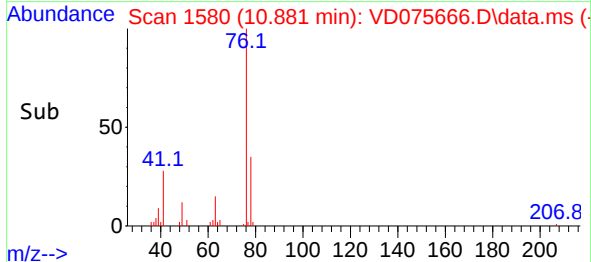
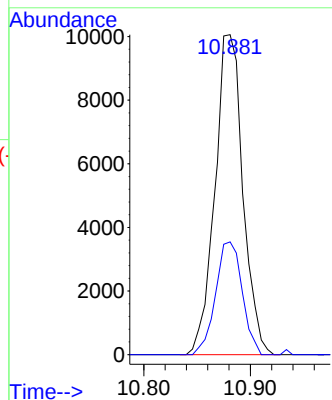
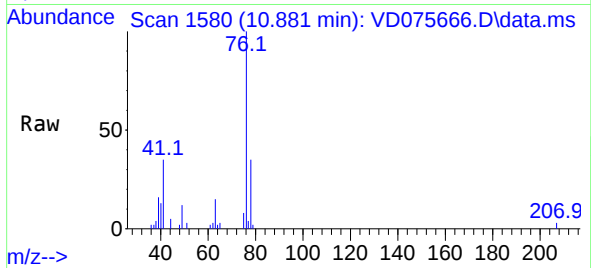




#57
1,3-Dichloropropane
Concen: 6.171 ug/l
RT: 10.881 min Scan# 1580
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

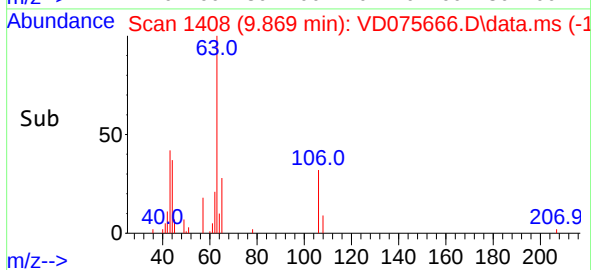
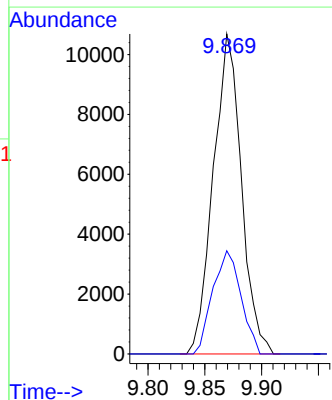
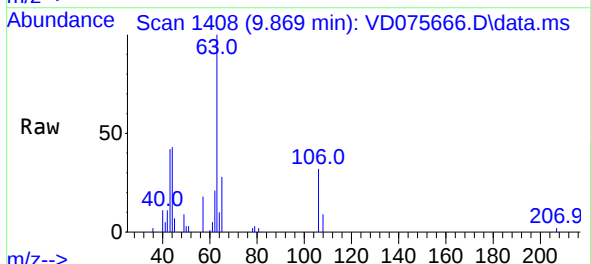
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2023

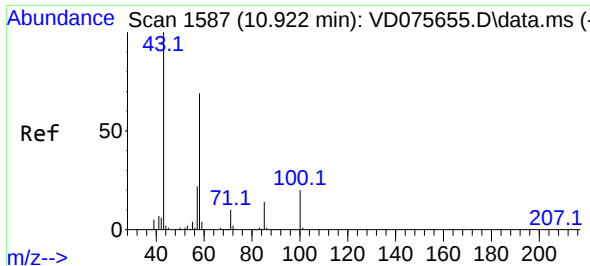
Tgt Ion: 76 Resp: 18324
Ion Ratio Lower Upper
76 100
78 33.6 25.6 38.4



#58
2-Chloroethyl Vinyl ether
Concen: 22.225 ug/l
RT: 9.869 min Scan# 1408
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 63 Resp: 18372
Ion Ratio Lower Upper
63 100
106 32.4 21.4 32.2#

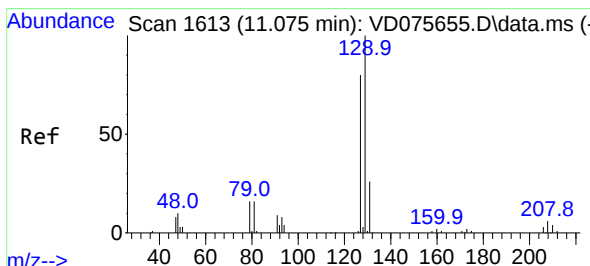
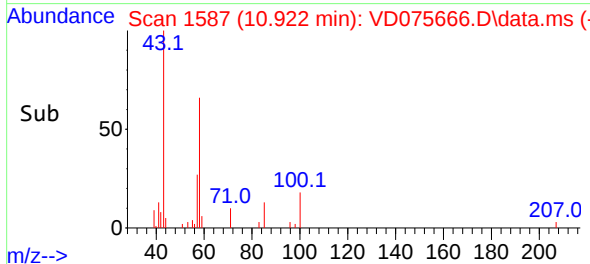
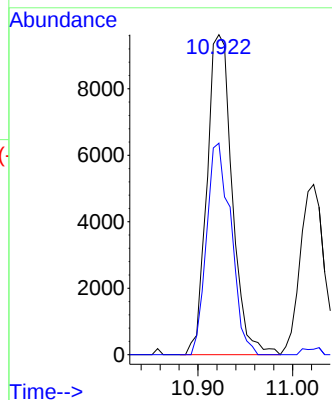
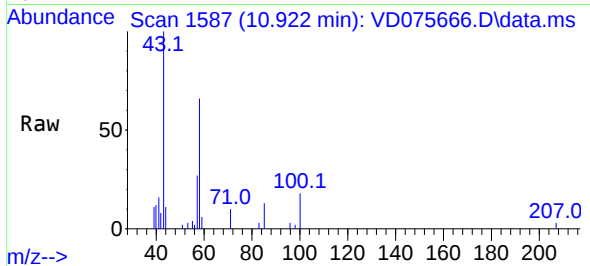




#59
2-Hexanone
Concen: 27.993 ug/l
RT: 10.922 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

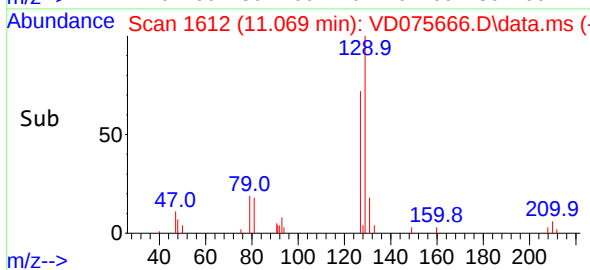
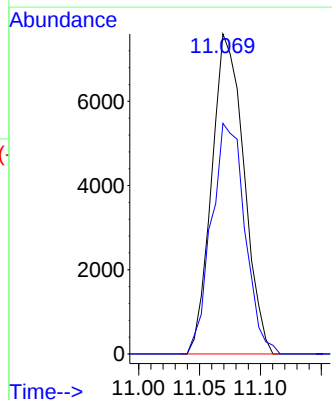
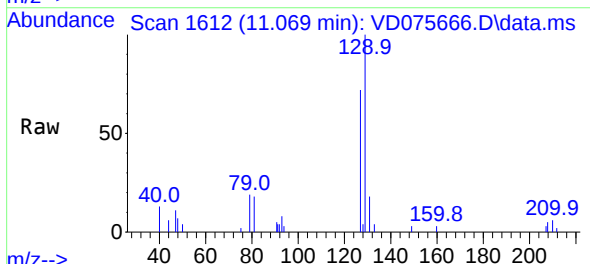
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

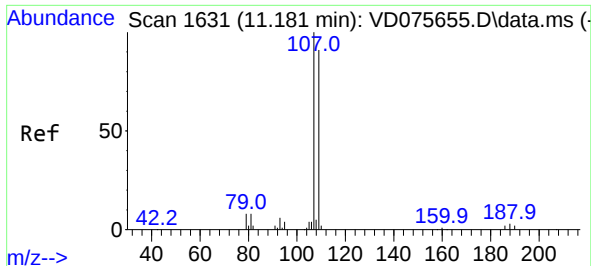
Tgt Ion: 43 Resp: 17800
Ion Ratio Lower Upper
43 100
58 64.0 25.3 75.8



#60
Dibromochloromethane
Concen: 6.096 ug/l
RT: 11.069 min Scan# 1612
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 129 Resp: 13952
Ion Ratio Lower Upper
129 100
127 75.0 38.1 114.5

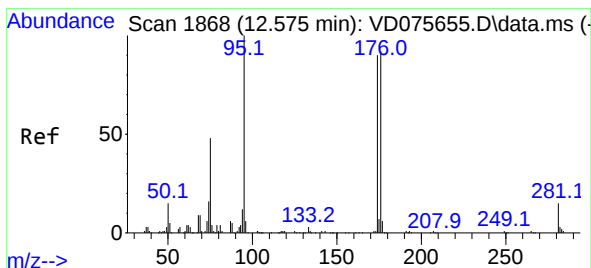
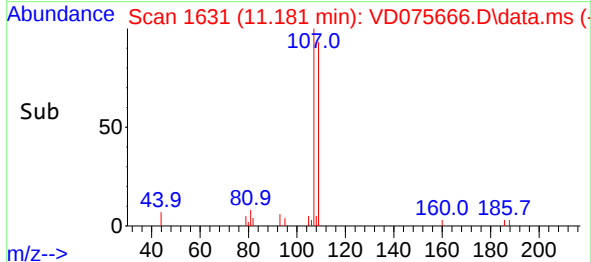
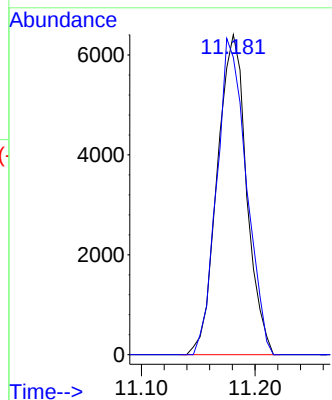
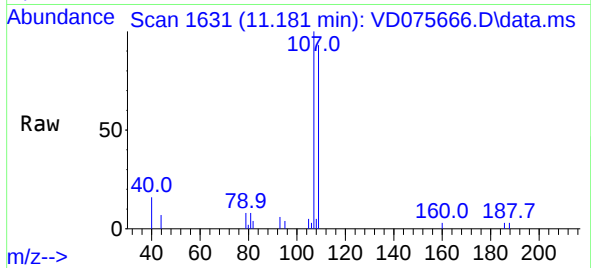




#61
1,2-Dibromoethane
Concen: 6.163 ug/l
RT: 11.181 min Scan# 1631
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

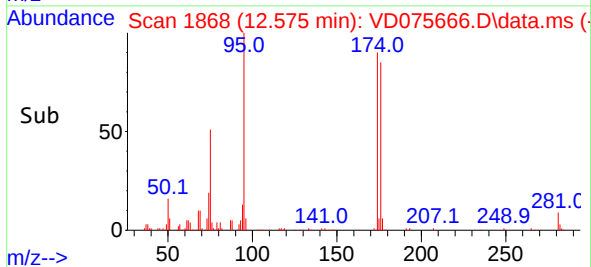
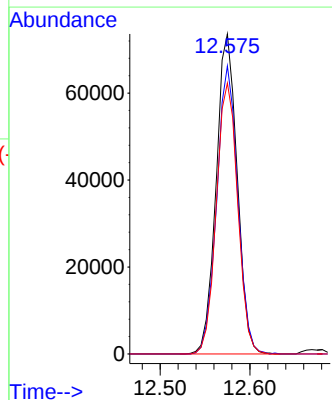
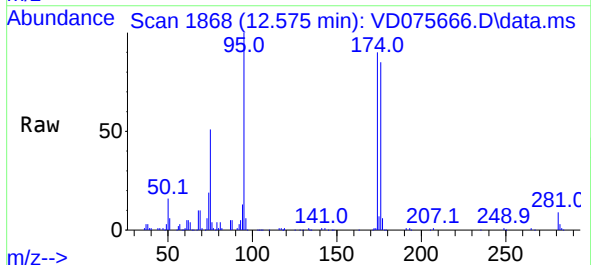
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

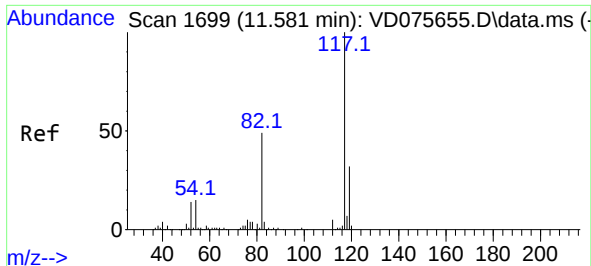
Tgt Ion:107 Resp: 11499
Ion Ratio Lower Upper
107 100
109 99.9 73.6 110.4



#62
4-Bromofluorobenzene
Concen: 50.708 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 95 Resp: 119582
Ion Ratio Lower Upper
95 100
174 89.9 0.0 164.0
176 85.9 0.0 156.8

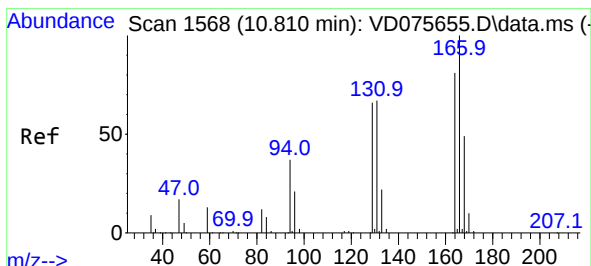
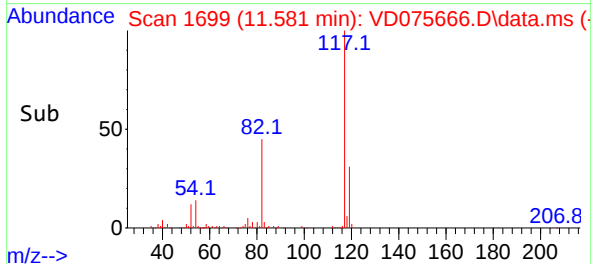
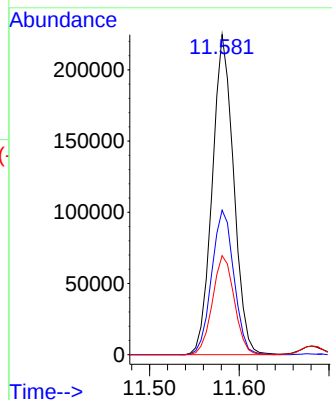
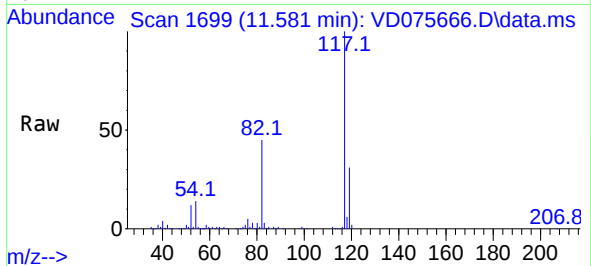




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

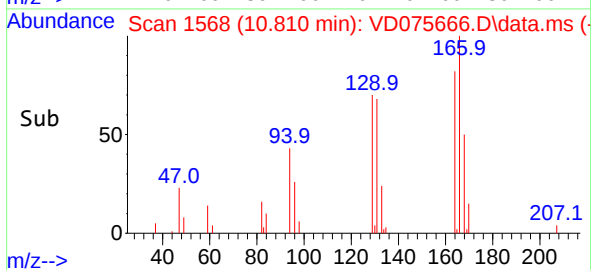
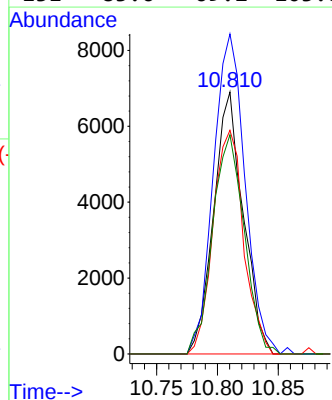
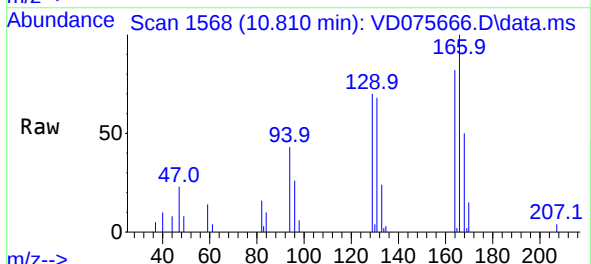
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

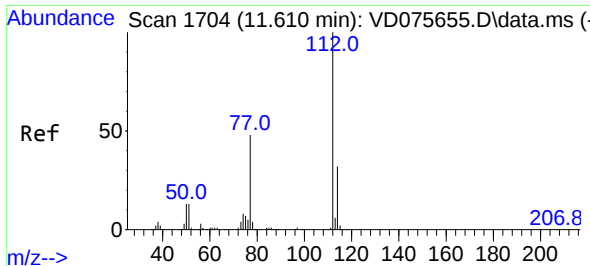
Tgt Ion:117 Resp: 372120
Ion Ratio Lower Upper
117 100
82 45.2 44.0 66.0
119 31.0 25.1 37.7



#64
Tetrachloroethene
Concen: 4.363 ug/l
RT: 10.810 min Scan# 1568
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion:164 Resp: 11693
Ion Ratio Lower Upper
164 100
166 122.1 94.9 142.3
129 85.4 73.0 109.6
131 83.6 69.2 103.8

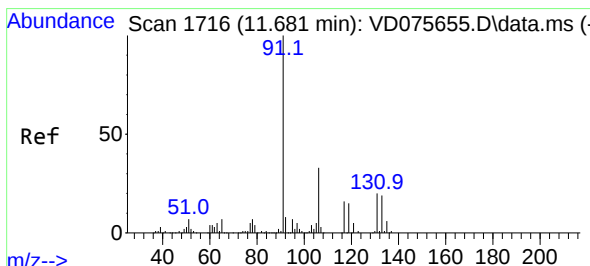
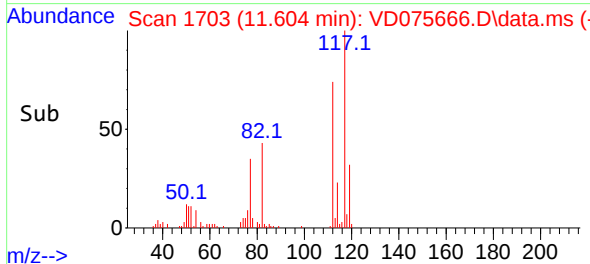
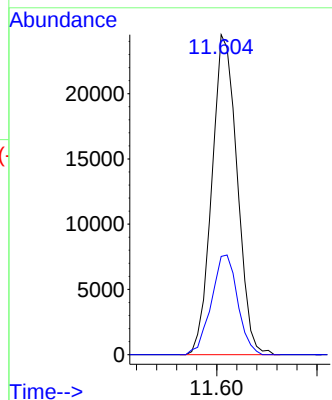
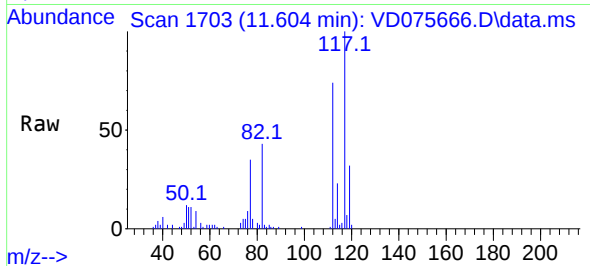




#65
Chlorobenzene
Concen: 5.377 ug/l
RT: 11.604 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

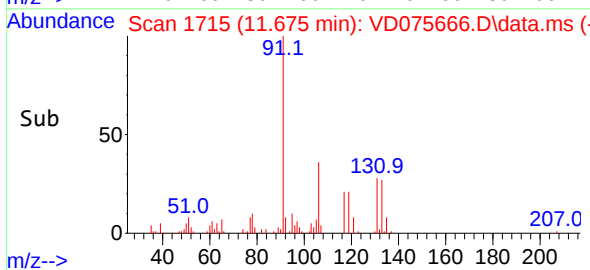
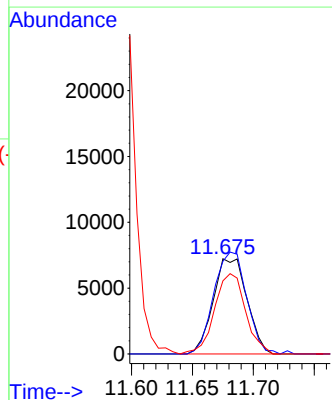
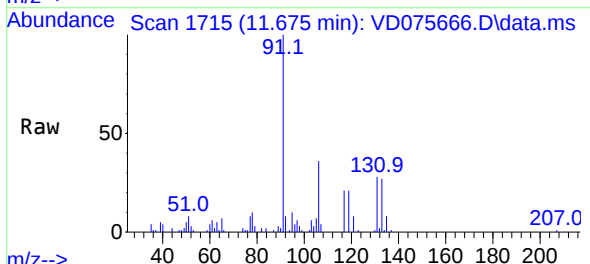
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

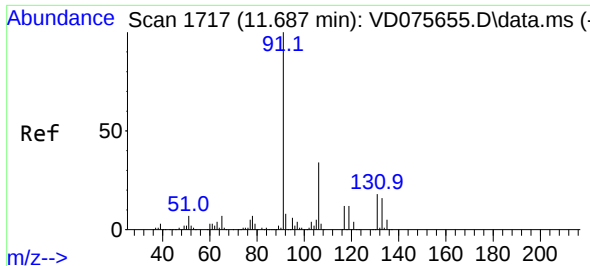
Tgt Ion:112 Resp: 42858
Ion Ratio Lower Upper
112 100
114 30.7 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 5.100 ug/l
RT: 11.675 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion:131 Resp: 13975
Ion Ratio Lower Upper
131 100
133 104.4 46.7 140.0
119 77.2 31.9 95.9

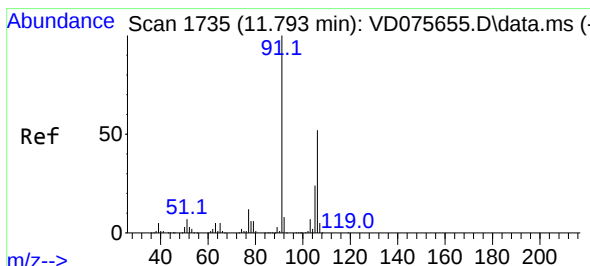
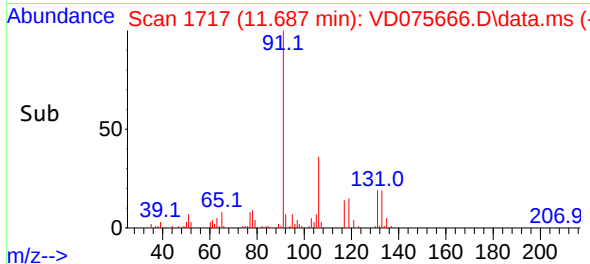
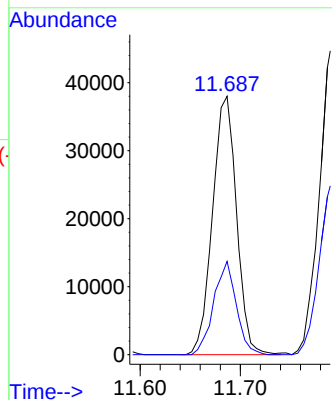
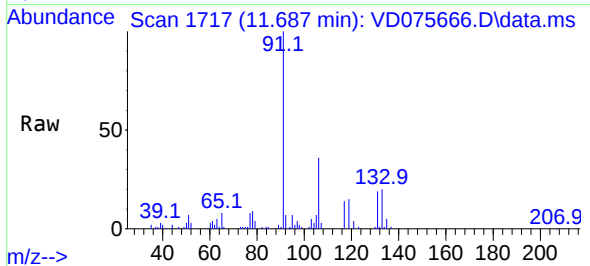




#67
Ethyl Benzene
Concen: 4.891 ug/l
RT: 11.687 min Scan# 1717
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

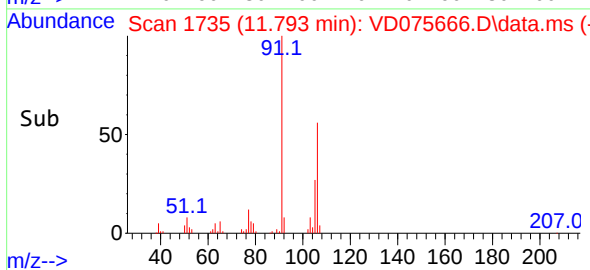
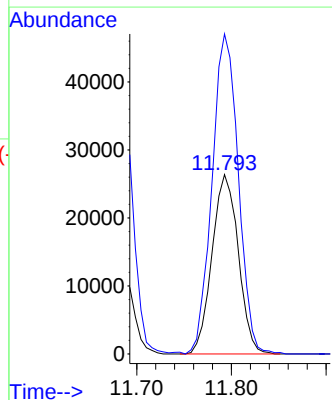
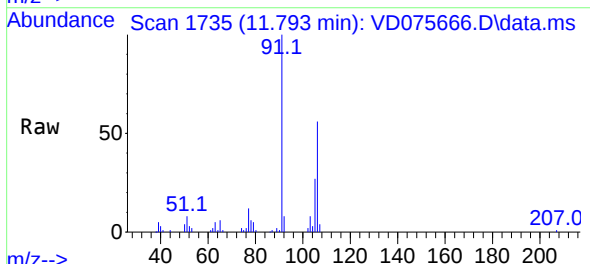
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2023

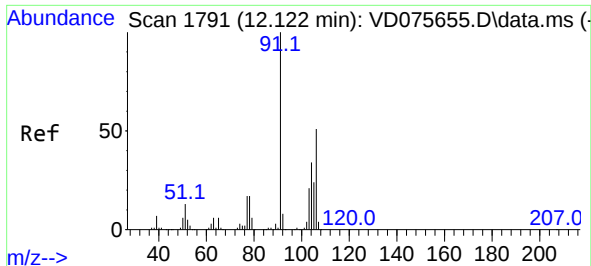
Tgt Ion: 91 Resp: 63271
Ion Ratio Lower Upper
91 100
106 36.1 24.5 36.7



#68
m/p-Xylenes
Concen: 9.588 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion:106 Resp: 50828
Ion Ratio Lower Upper
106 100
91 178.5 161.5 242.3

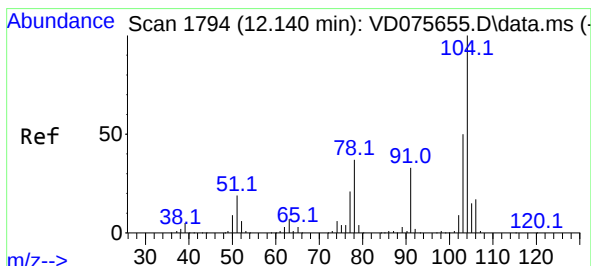
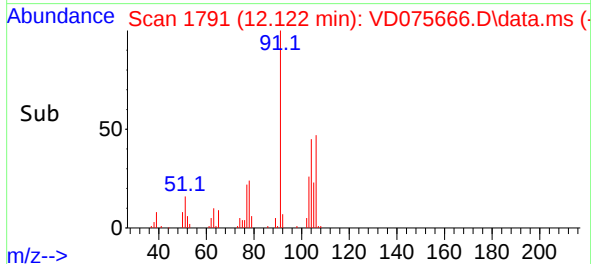
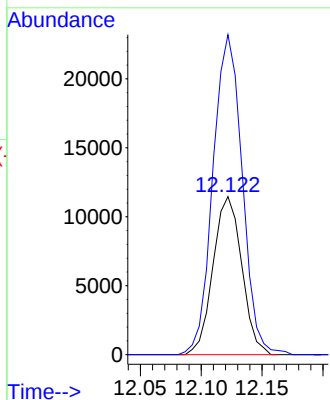
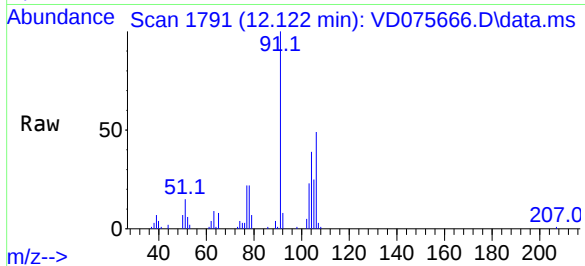




#69
o-Xylene
Concen: 3.931 ug/l
RT: 12.122 min Scan# 1791
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

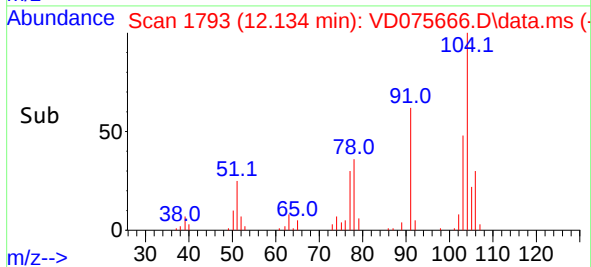
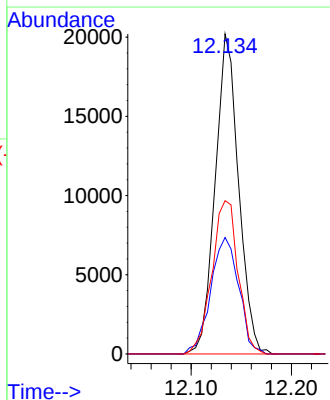
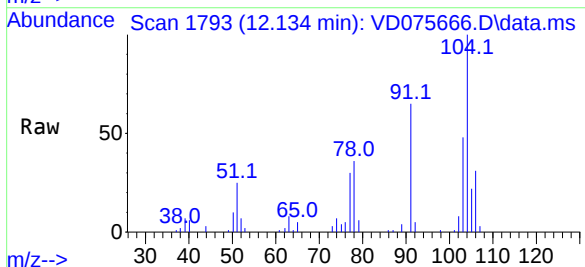
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2023

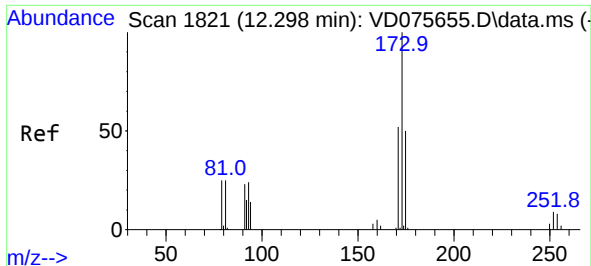
Tgt Ion:106 Resp: 18845
Ion Ratio Lower Upper
106 100
91 206.2 105.7 317.1



#70
Styrene
Concen: 4.149 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

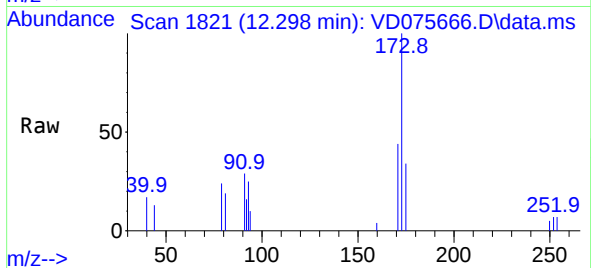
Tgt Ion:104 Resp: 32742
Ion Ratio Lower Upper
104 100
78 43.6 40.2 60.4
103 53.6 44.2 66.2



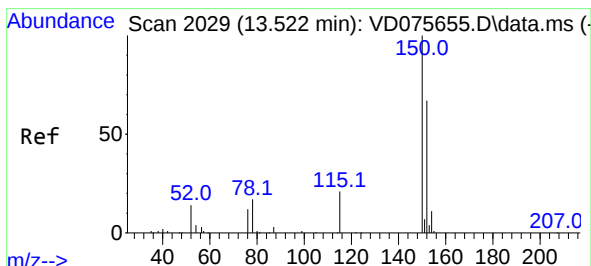
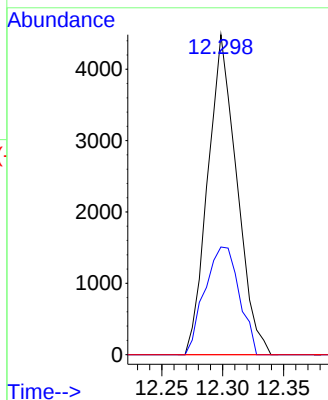
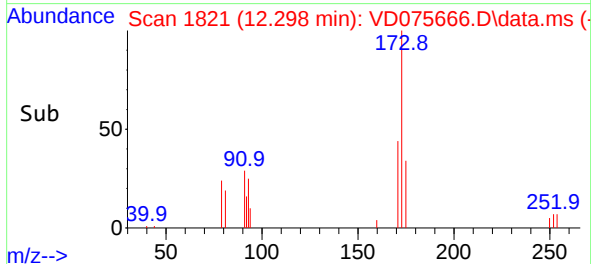


#71
Bromoform
Concen: 5.177 ug/l
RT: 12.298 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

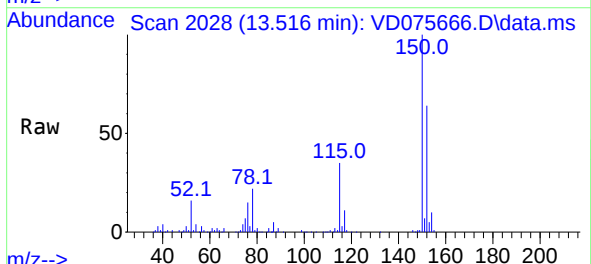
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023



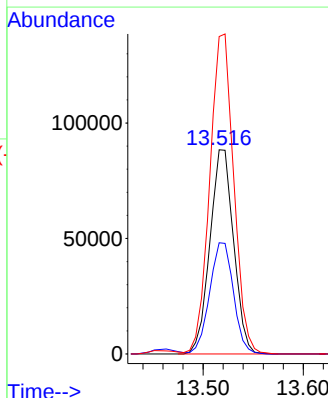
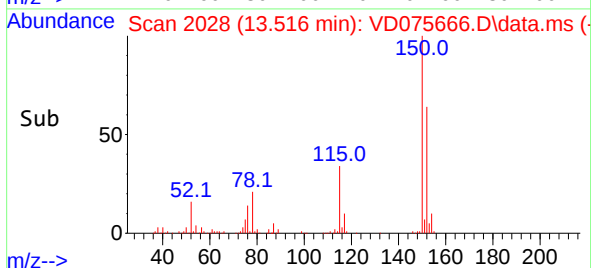
Tgt Ion:173 Resp: 7415
Ion Ratio Lower Upper
173 100
175 40.0 23.5 70.5
254 0.0 0.0 0.0

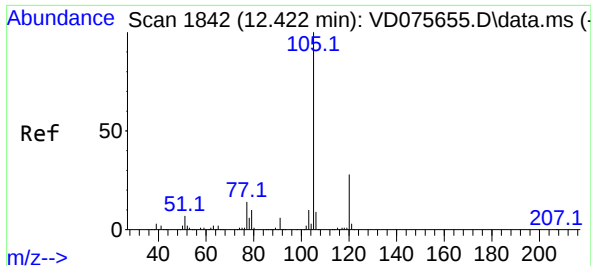


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02



Tgt Ion:152 Resp: 145269
Ion Ratio Lower Upper
152 100
115 54.7 30.1 90.3
150 158.5 0.0 364.8

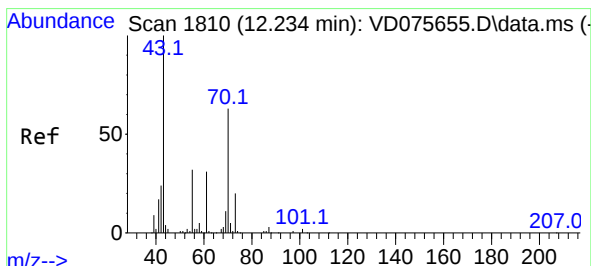
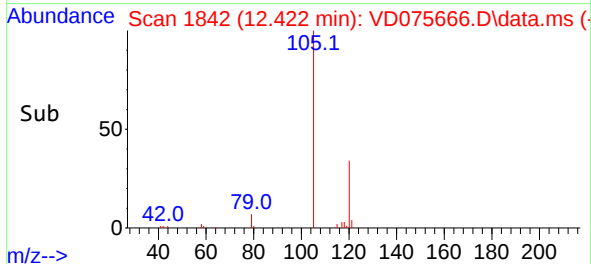
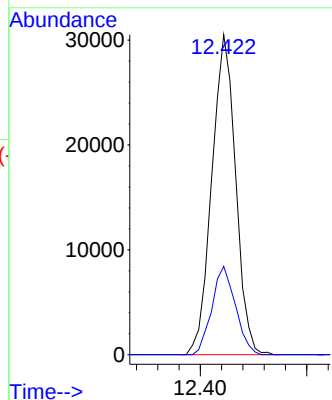
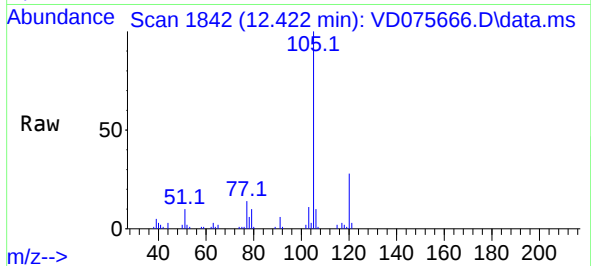




#73
Isopropylbenzene
Concen: 4.974 ug/l
RT: 12.422 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

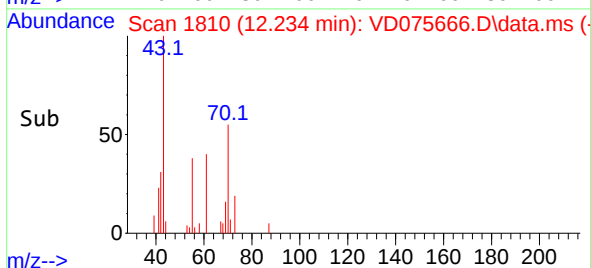
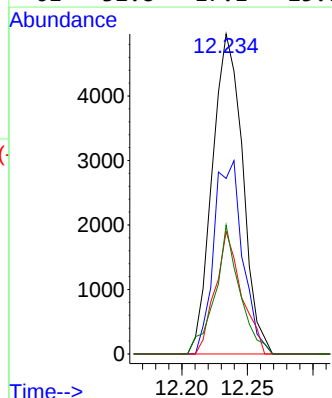
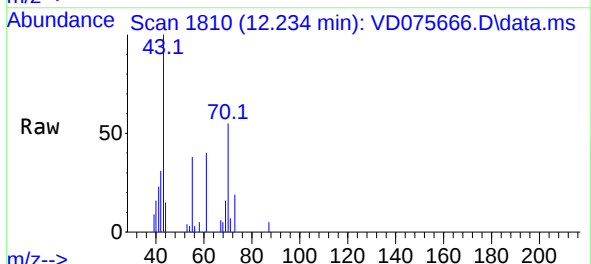
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2023

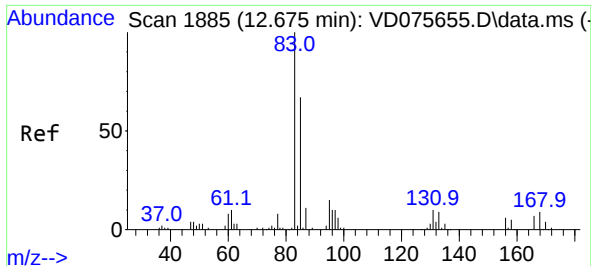
Tgt Ion:105 Resp: 47419
Ion Ratio Lower Upper
105 100
120 27.3 13.4 40.1



#74
N-ethyl acetate
Concen: 5.701 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 43 Resp: 7987
Ion Ratio Lower Upper
43 100
70 57.3 31.0 46.4#
55 33.0 18.6 28.0#
61 32.8 17.1 25.7#

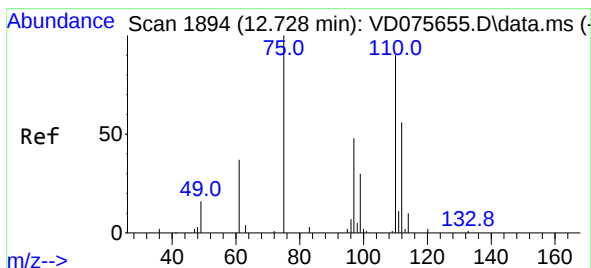
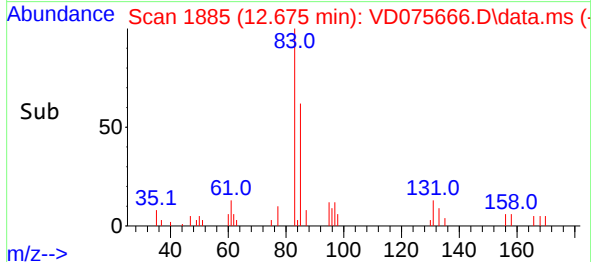
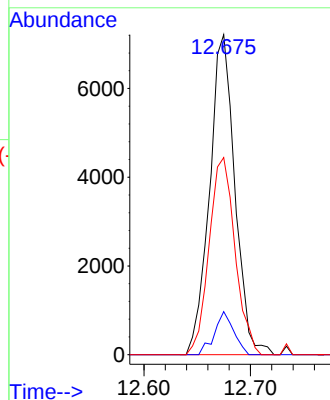
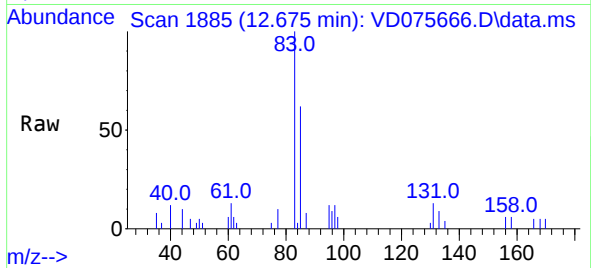




#75
1,1,2,2-Tetrachloroethane
Concen: 6.432 ug/l
RT: 12.675 min Scan# 1885
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

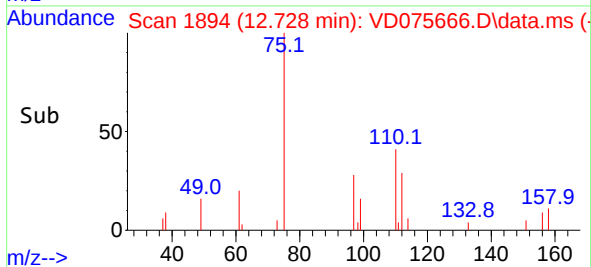
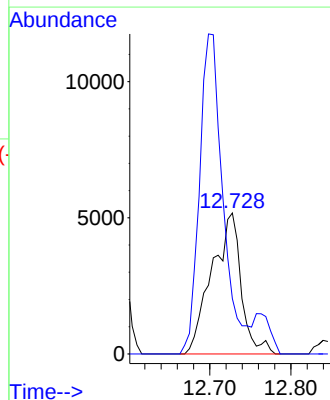
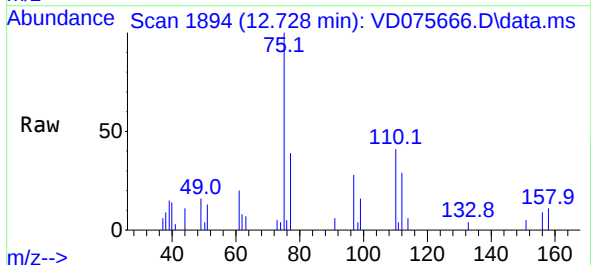
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2023

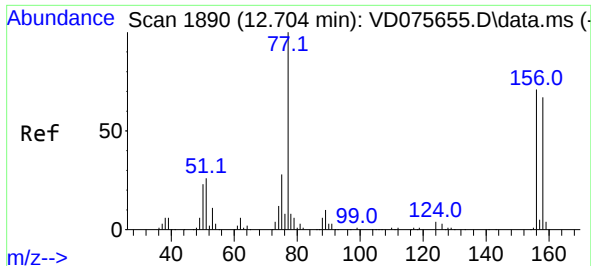
Tgt Ion: 83 Resp: 11912
Ion Ratio Lower Upper
83 100
131 10.2 5.1 15.2
85 63.1 33.6 100.6



#76
1,2,3-Trichloropropane
Concen: 10.973 ug/l
RT: 12.728 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 75 Resp: 12999
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

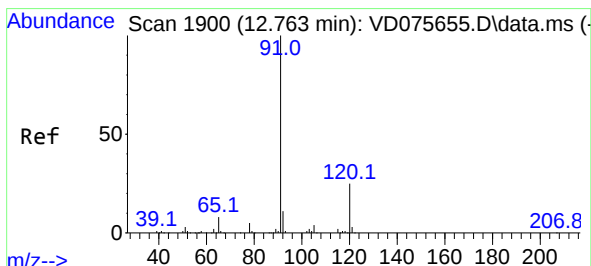
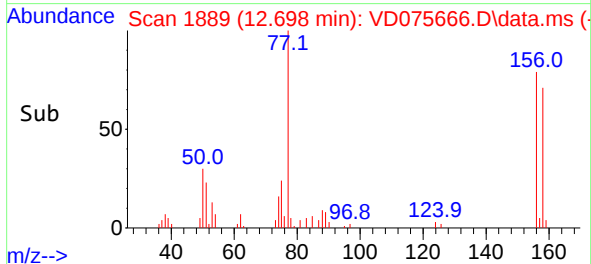
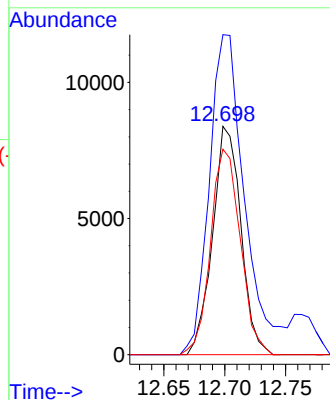
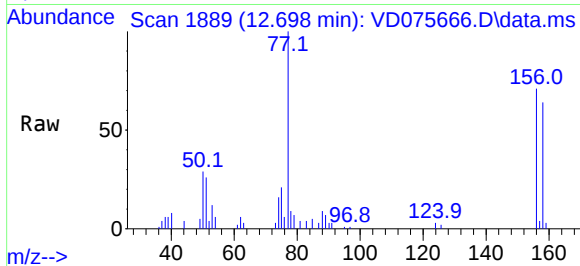




#77
Bromobenzene
Concen: 5.529 ug/l
RT: 12.698 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

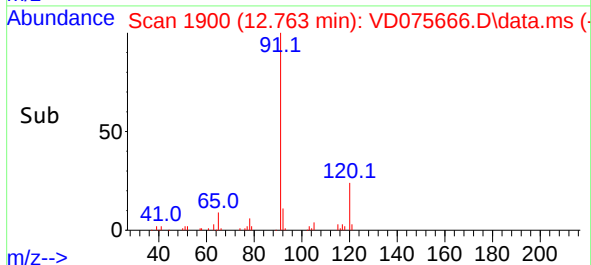
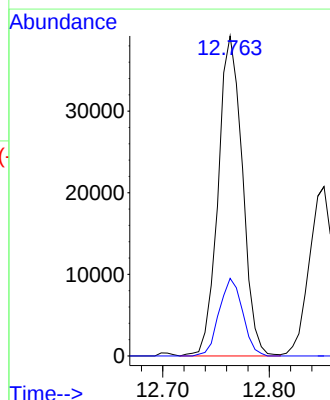
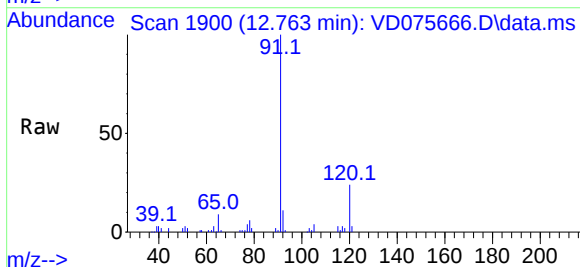
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

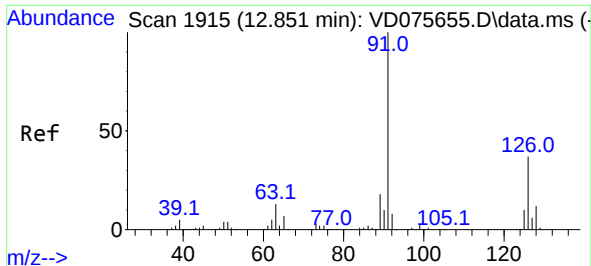
Tgt Ion:156 Resp: 13590
Ion Ratio Lower Upper
156 100
77 175.3 89.5 268.6
158 94.5 47.8 143.4



#78
n-propylbenzene
Concen: 5.310 ug/l
RT: 12.763 min Scan# 1900
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 91 Resp: 62051
Ion Ratio Lower Upper
91 100
120 23.4 11.4 34.2

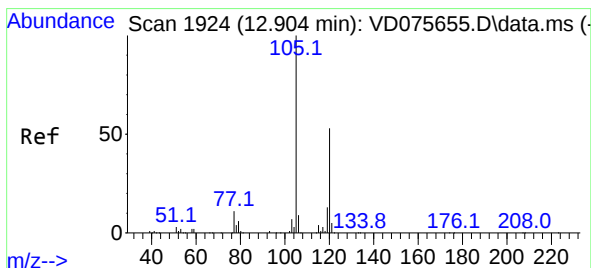
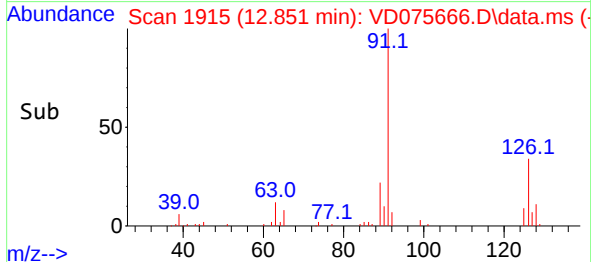
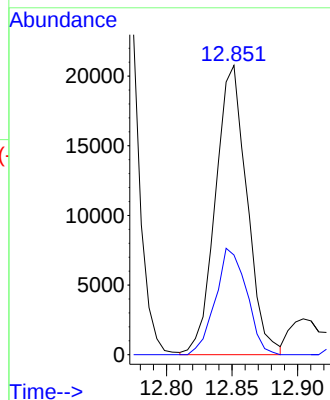
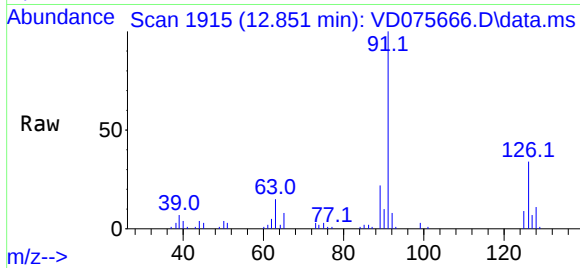




#79
2-Chlorotoluene
Concen: 5.228 ug/l
RT: 12.851 min Scan# 1915
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

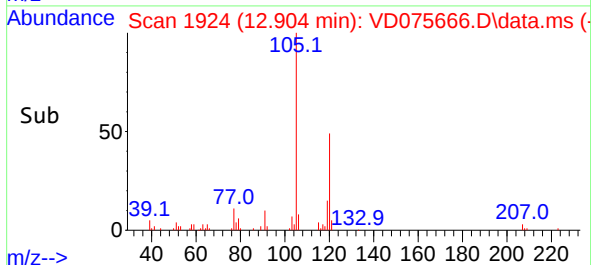
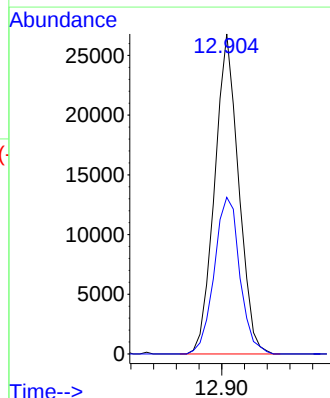
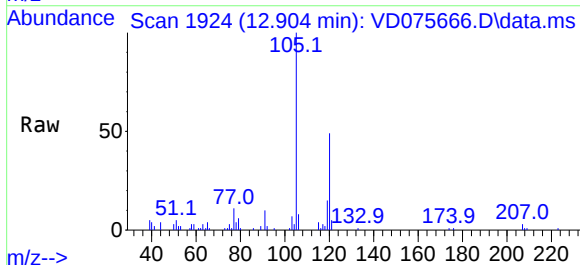
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

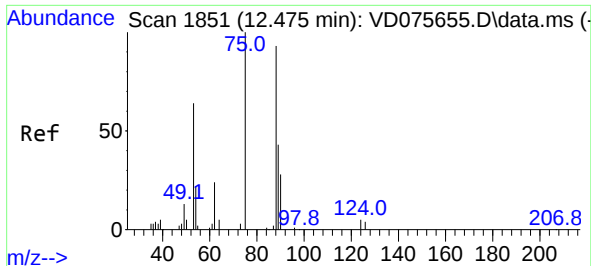
Tgt Ion: 91 Resp: 34651
Ion Ratio Lower Upper
91 100
126 36.5 16.8 50.3



#80
1,3,5-Trimethylbenzene
Concen: 4.940 ug/l
RT: 12.904 min Scan# 1924
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 105 Resp: 39266
Ion Ratio Lower Upper
105 100
120 52.2 24.3 72.8

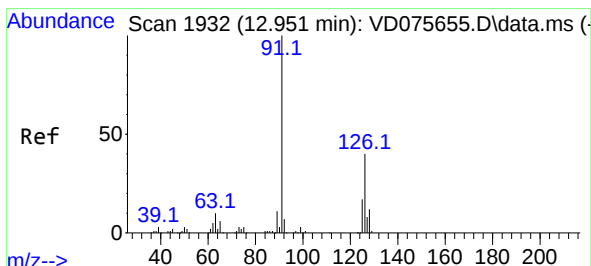
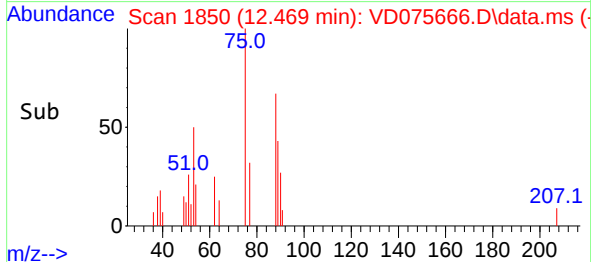
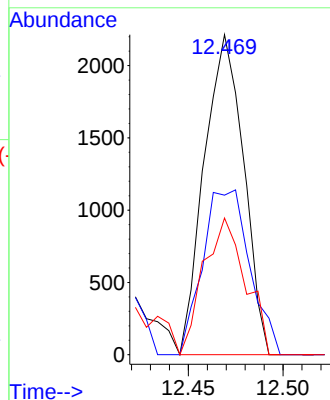
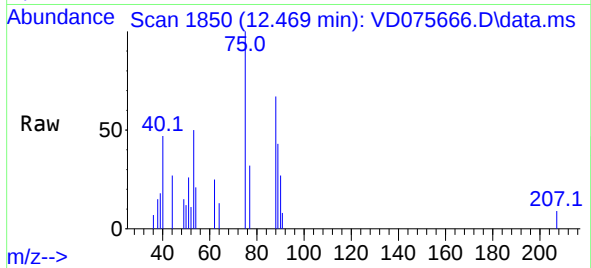




#81
trans-1,4-Dichloro-2-butene
Concen: 5.853 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

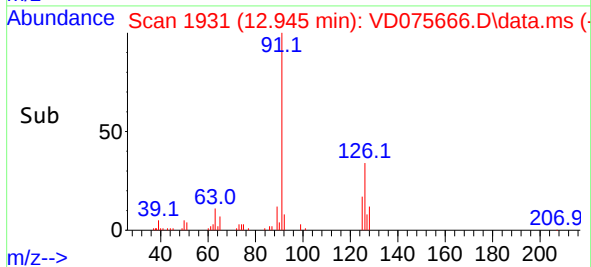
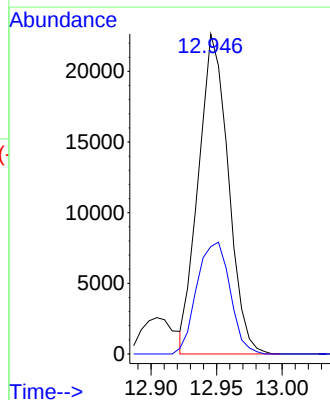
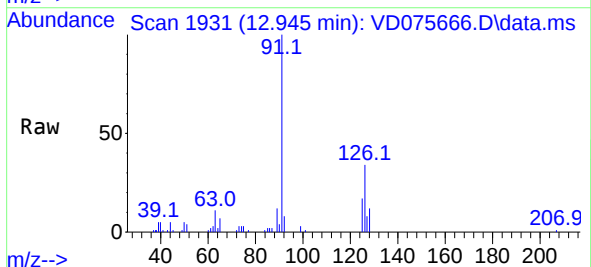
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2023

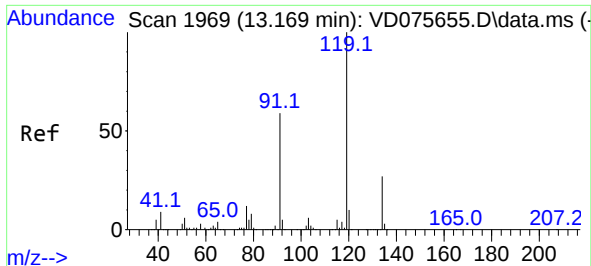
Tgt Ion: 75 Resp: 3199
Ion Ratio Lower Upper
75 100
53 61.8 90.5 135.7#
89 45.4 40.2 60.4



#82
4-Chlorotoluene
Concen: 5.204 ug/l
RT: 12.945 min Scan# 1931
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion: 91 Resp: 35865
Ion Ratio Lower Upper
91 100
126 38.8 17.1 51.2

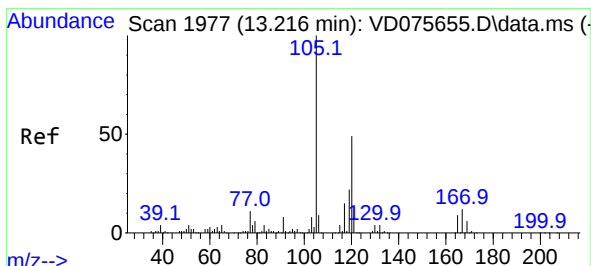
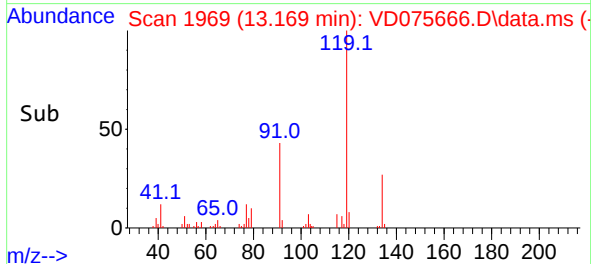
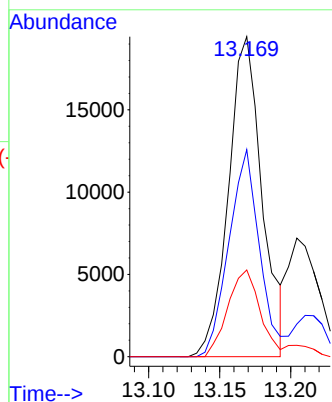
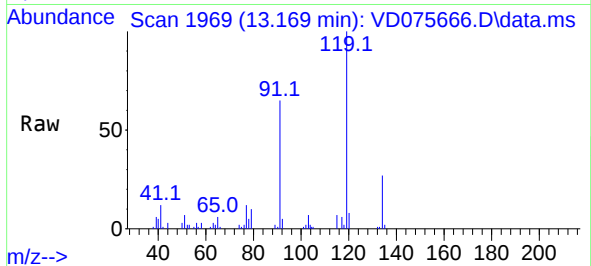




#83
tert-Butylbenzene
Concen: 4.792 ug/l
RT: 13.169 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

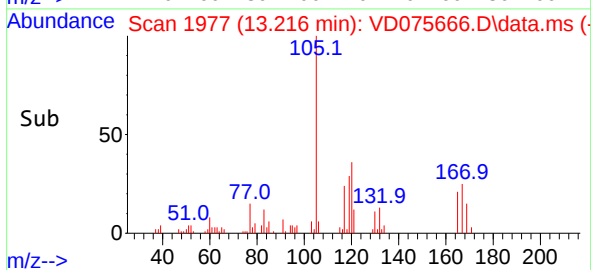
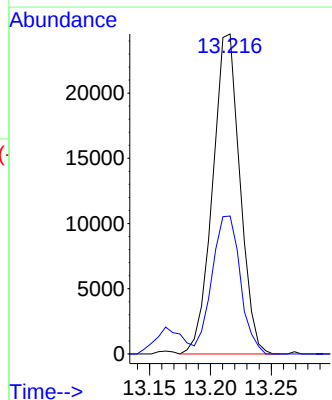
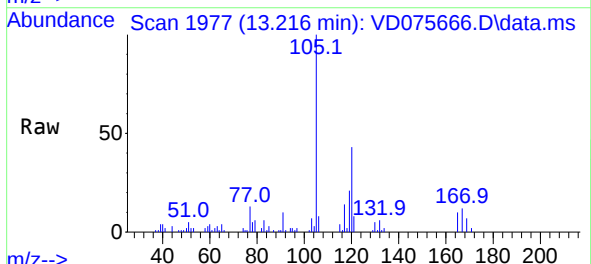
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT2-2023

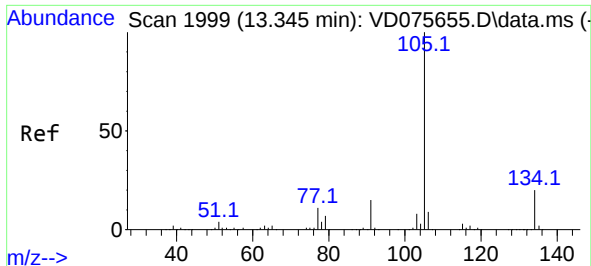
Tgt Ion:	119	Resp:	32117
Ion	Ratio	Lower	Upper
119	100		
91	58.7	32.4	97.0
134	26.7	13.0	39.0



#84
1,2,4-Trimethylbenzene
Concen: 4.796 ug/l
RT: 13.216 min Scan# 1977
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion:	105	Resp:	38251
Ion	Ratio	Lower	Upper
105	100		
120	44.7	22.3	66.9

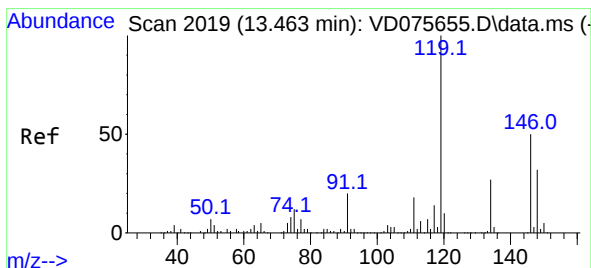
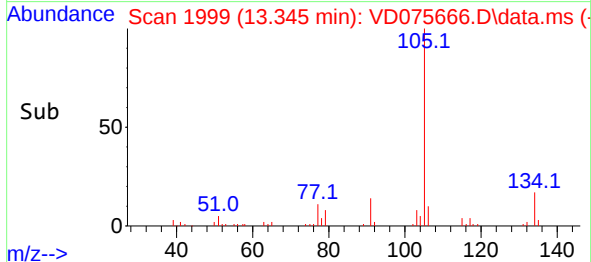
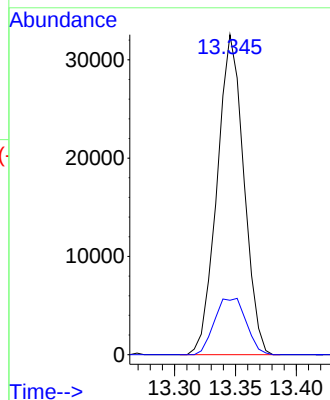
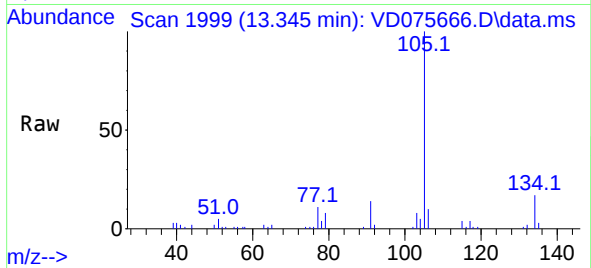




#85
 sec-Butylbenzene
 Concen: 4.819 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.000 min
 Lab File: VD075666.D
 Acq: 13 Apr 2023 18:02

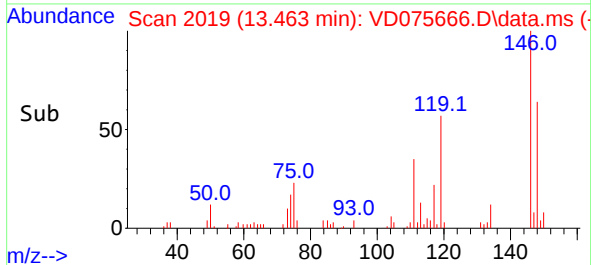
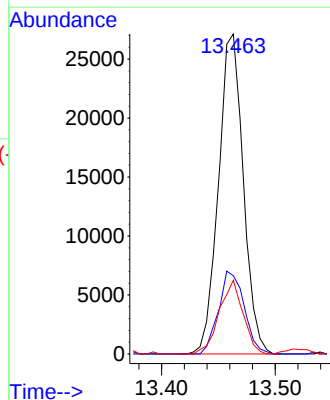
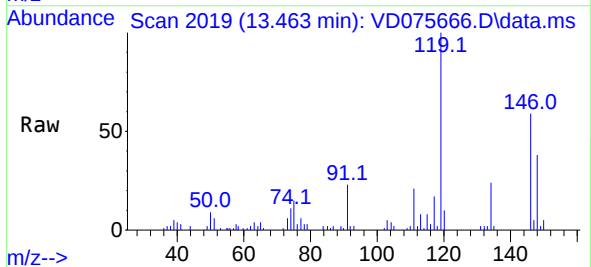
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT2-2023

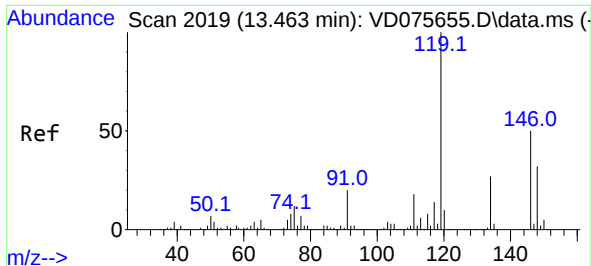
Tgt Ion:105 Resp: 49825
 Ion Ratio Lower Upper
 105 100
 134 20.8 9.9 29.7



#86
 p-Isopropyltoluene
 Concen: 4.789 ug/l
 RT: 13.463 min Scan# 2019
 Delta R.T. 0.000 min
 Lab File: VD075666.D
 Acq: 13 Apr 2023 18:02

Tgt Ion:119 Resp: 41219
 Ion Ratio Lower Upper
 119 100
 134 26.6 13.1 39.3
 91 22.1 12.4 37.4





#87

1,3-Dichlorobenzene

Concen: 5.181 ug/l

RT: 13.463 min Scan# 2019

Delta R.T. 0.000 min

Lab File: VD075666.D

Acq: 13 Apr 2023 18:02

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2023

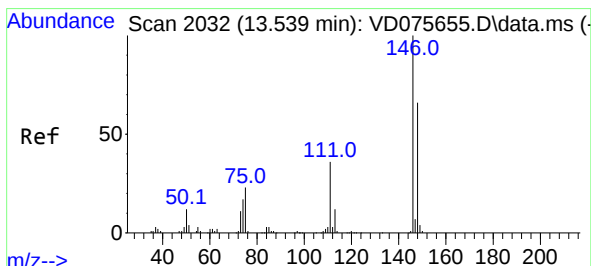
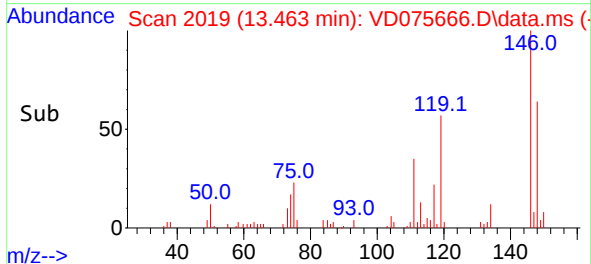
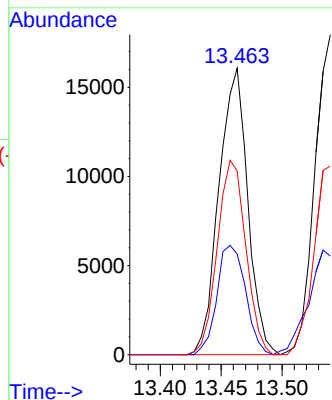
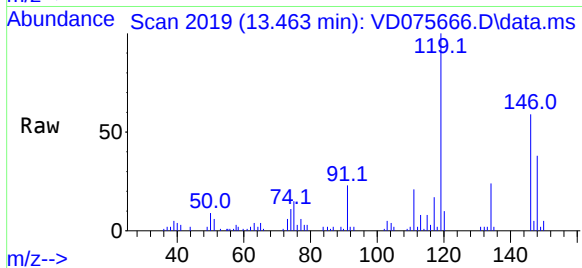
Tgt Ion:146 Resp: 26492

Ion Ratio Lower Upper

146 100

111 37.9 19.8 59.3

148 67.1 31.0 93.0



#88

1,4-Dichlorobenzene

Concen: 5.630 ug/l

RT: 13.540 min Scan# 2032

Delta R.T. 0.001 min

Lab File: VD075666.D

Acq: 13 Apr 2023 18:02

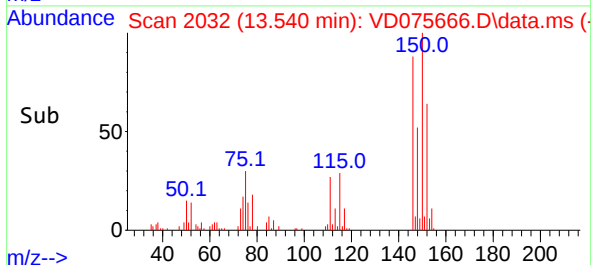
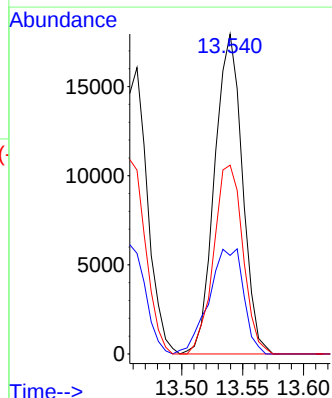
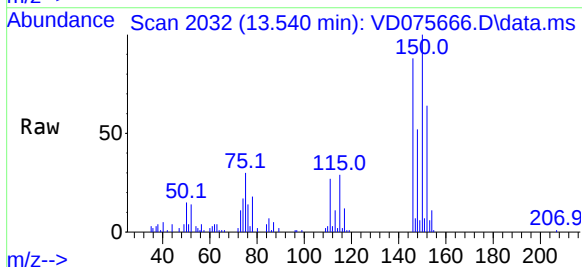
Tgt Ion:146 Resp: 28439

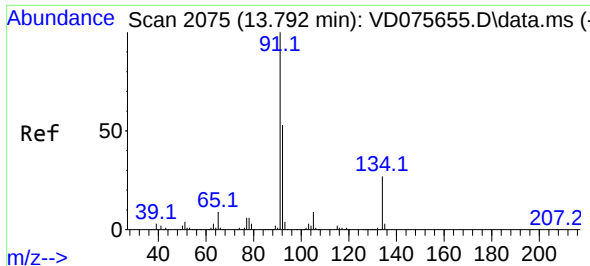
Ion Ratio Lower Upper

146 100

111 41.0 19.6 58.8

148 62.4 31.7 95.1

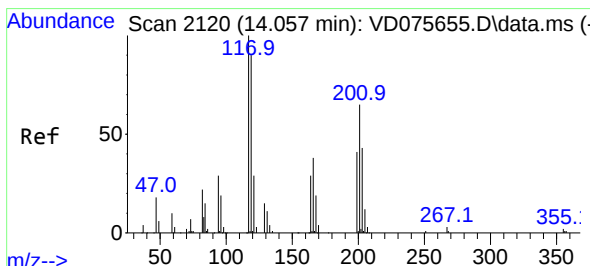
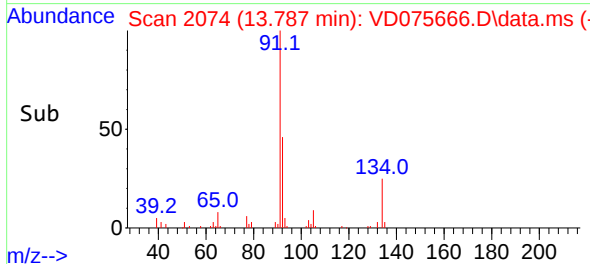
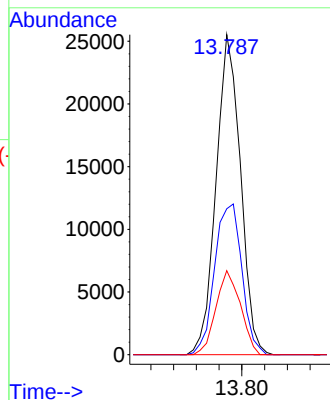
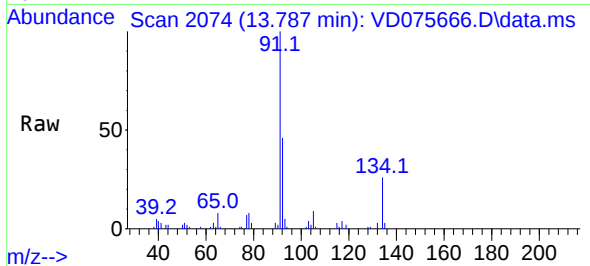




#89
n-Butylbenzene
Concen: 4.813 ug/l
RT: 13.787 min Scan# 2074
Delta R.T. -0.005 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

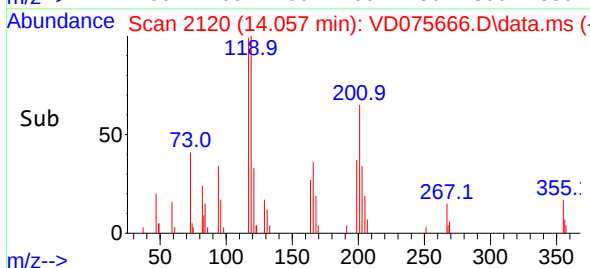
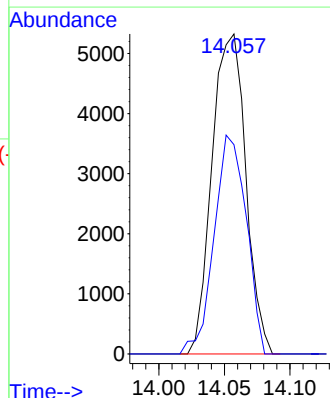
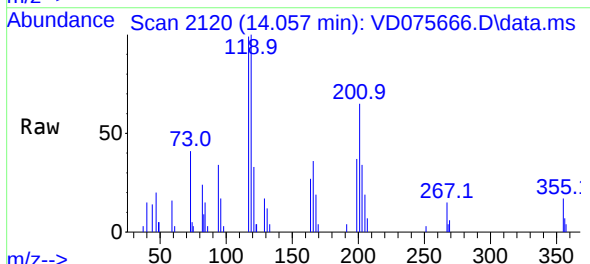
Instrument : MSVOA_D
ClientSampleId : VD075666.D
LOQ-SOIL-02-QT2-2023

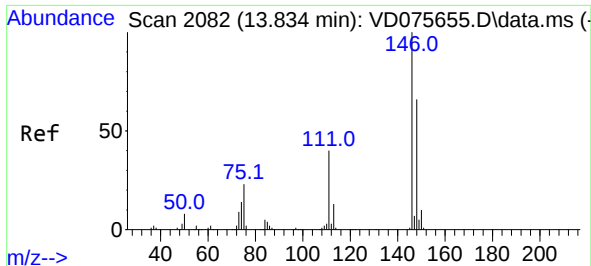
Tgt Ion:	91	Resp:	38160
Ion	Ratio	Lower	Upper
91	100		
92	52.5	26.2	78.5
134	26.4	12.7	38.0



#90
Hexachloroethane
Concen: 5.583 ug/l
RT: 14.057 min Scan# 2120
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion:	117	Resp:	9547
Ion	Ratio	Lower	Upper
117	100		
201	65.1	34.5	103.6





#91

1,2-Dichlorobenzene

Concen: 5.407 ug/l

RT: 13.834 min Scan# 2082

Delta R.T. -0.000 min

Lab File: VD075666.D

Acq: 13 Apr 2023 18:02

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT2-2023

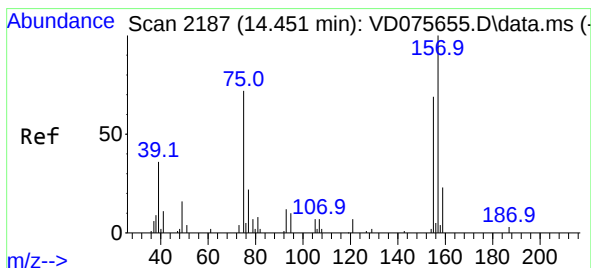
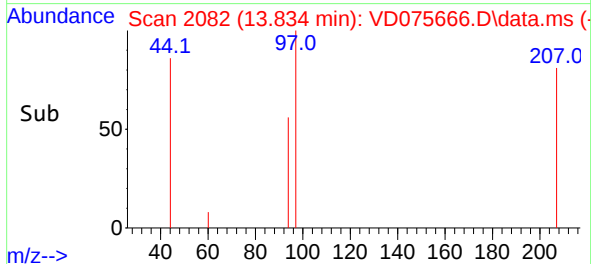
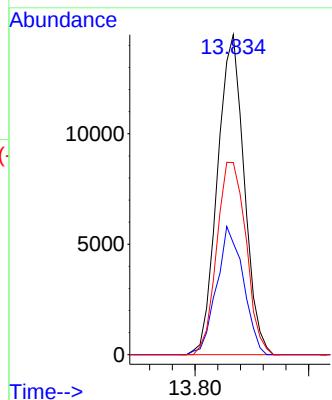
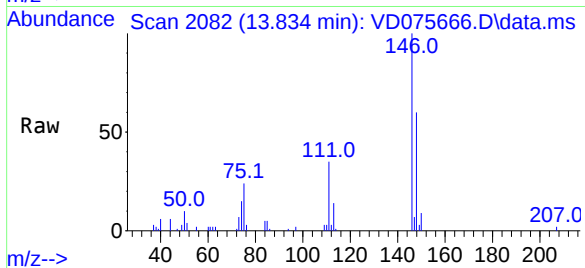
Tgt Ion:146 Resp: 23682

Ion Ratio Lower Upper

146 100

111 40.1 20.6 61.8

148 65.7 32.0 96.2



#92

1,2-Dibromo-3-Chloropropane

Concen: 7.133 ug/l

RT: 14.451 min Scan# 2187

Delta R.T. 0.000 min

Lab File: VD075666.D

Acq: 13 Apr 2023 18:02

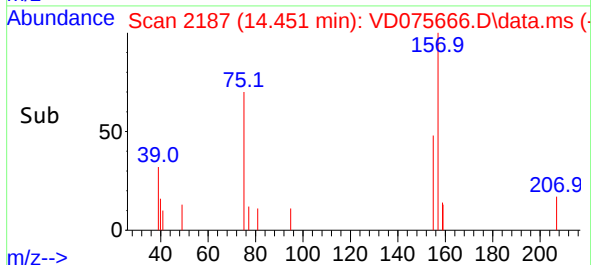
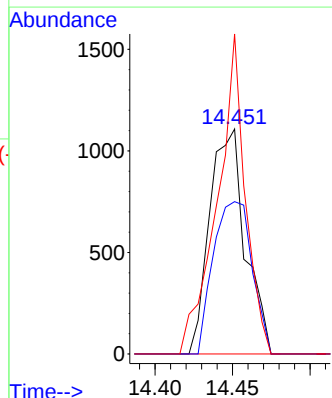
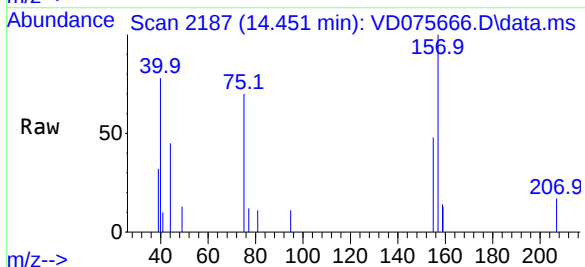
Tgt Ion: 75 Resp: 1771

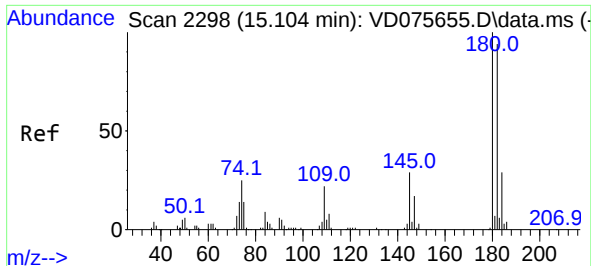
Ion Ratio Lower Upper

75 100

155 73.7 39.5 118.5

157 112.0 53.5 160.7

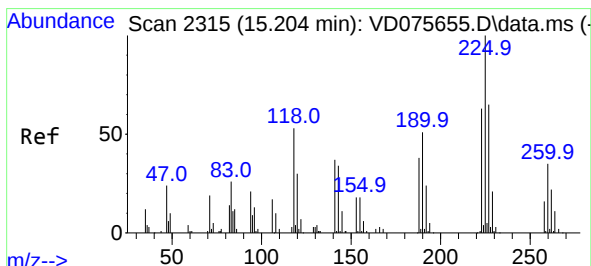
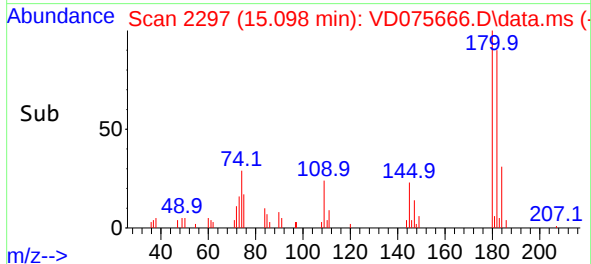
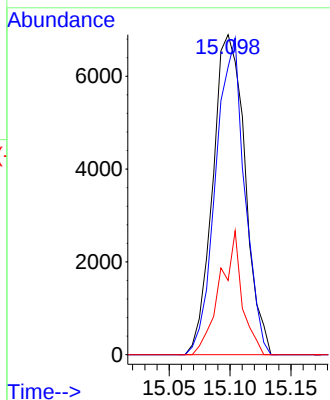
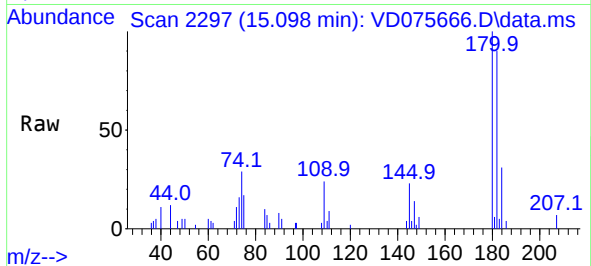




#93
1,2,4-Trichlorobenzene
Concen: 4.978 ug/l
RT: 15.098 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

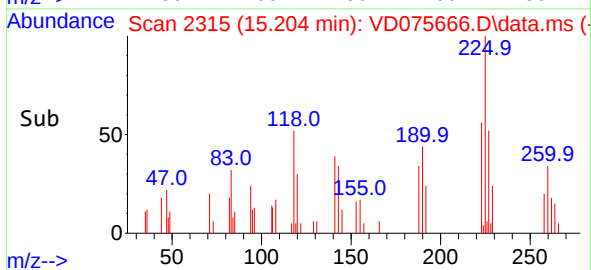
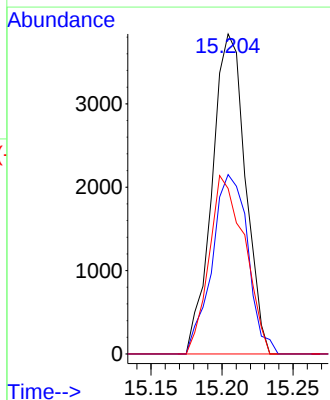
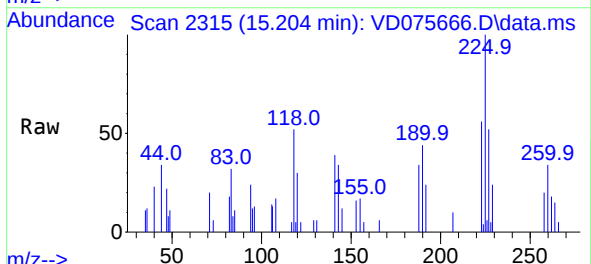
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

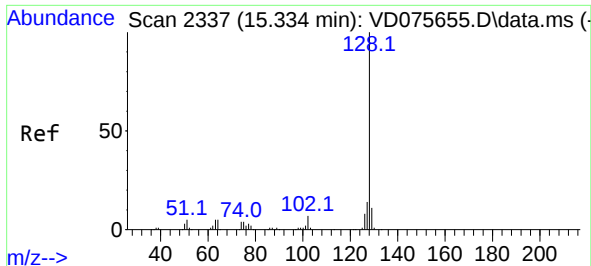
Tgt Ion:180 Resp: 12686
Ion Ratio Lower Upper
180 100
182 88.5 47.9 143.7
145 26.5 15.9 47.7



#94
Hexachlorobutadiene
Concen: 5.140 ug/l
RT: 15.204 min Scan# 2315
Delta R.T. 0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion:225 Resp: 6260
Ion Ratio Lower Upper
225 100
223 60.2 33.1 99.2
227 59.3 31.9 95.9

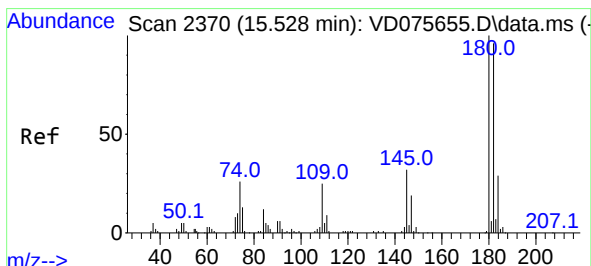
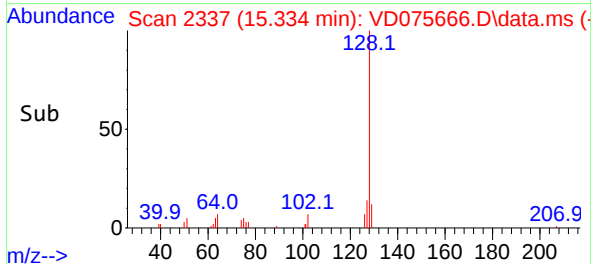
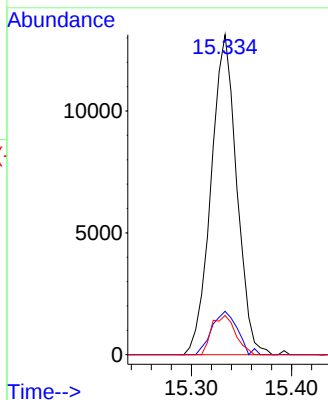
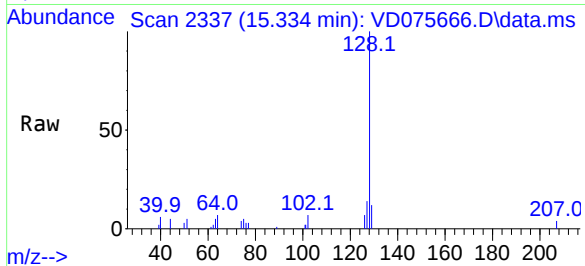




#95
Naphthalene
Concen: 4.830 ug/l
RT: 15.334 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT2-2023

Tgt Ion:	128	Resp:	23318
Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.4	15.6
129	11.4	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 5.166 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. -0.006 min
Lab File: VD075666.D
Acq: 13 Apr 2023 18:02

Tgt Ion:	180	Resp:	11588
Ion	Ratio	Lower	Upper
180	100		
182	97.0	47.7	143.1
145	29.0	16.4	49.4

