

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD101922\
 Data File : VD074586.D
 Acq On : 19 Oct 2022 18:34
 Operator : VA/SY
 Sample : N4955-02 5.0PPB
 Misc : 5.00G/5.00ml/MSVOA_D/soil
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Oct 20 06:48:40 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 20 06:41:20 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.875	168	89109	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	138636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	125025	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	58817	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	33753	49.613	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.220%
35) Dibromofluoromethane	7.805	113	41492	54.110	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.220%
50) Toluene-d8	10.269	98	139356	50.221	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.440%
62) 4-Bromofluorobenzene	12.569	95	42416	53.261	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	106.520%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.928	85	4210	6.087	ug/l	96
3) Chloromethane	2.146	50	6265	6.691	ug/l	99
4) Vinyl Chloride	2.281	62	6237	6.024	ug/l	89
5) Bromomethane	2.693	94	5271	6.722	ug/l	93
6) Chloroethane	2.834	64	4144	5.821	ug/l	95
7) Trichlorofluoromethane	3.170	101	8107	5.524	ug/l	100
8) Diethyl Ether	3.593	74	2332	5.487	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.964	101	5258	5.555	ug/l	97
10) Methyl Iodide	4.170	142	4905	7.606	ug/l #	94
11) Tert butyl alcohol	5.017	59	8081	48.506	ug/l #	84
12) 1,1-Dichloroethene	3.940	96	5542	5.854	ug/l	98
13) Acrolein	3.787	56	1716	23.551	ug/l	99
14) Allyl chloride	4.564	41	5743	5.618	ug/l	94
15) Acrylonitrile	5.252	53	4622	26.607	ug/l #	83
16) Acetone	4.022	43	3631	24.441	ug/l	96
17) Carbon Disulfide	4.269	76	16581	6.401	ug/l #	94
18) Methyl Acetate	4.564	43	3483	6.078	ug/l	99
19) Methyl tert-butyl Ether	5.311	73	9891	5.347	ug/l	98
20) Methylene Chloride	4.793	84	14668	3.454	ug/l	96
21) trans-1,2-Dichloroethene	5.305	96	5948	5.636	ug/l #	75
22) Diisopropyl ether	6.222	45	11044	5.353	ug/l #	89
23) Vinyl Acetate	6.158	43	12324	13.661	ug/l	95
24) 1,1-Dichloroethane	6.122	63	9194	5.742	ug/l	97
25) 2-Butanone	7.081	43	5543	27.902	ug/l	93
26) 2,2-Dichloropropane	7.069	77	8489	5.547	ug/l	94
27) cis-1,2-Dichloroethene	7.081	96	6366	5.439	ug/l	96
28) Bromochloromethane	7.422	49	2367	8.399	ug/l #	94
29) Tetrahydrofuran	7.440	42	2900	26.765	ug/l	98
30) Chloroform	7.593	83	9335	5.418	ug/l	84
31) Cyclohexane	7.875	56	8468	6.196	ug/l #	83
32) 1,1,1-Trichloroethane	7.793	97	8999	5.696	ug/l	95
36) 1,1-Dichloropropene	8.005	75	7290	5.853	ug/l	97
37) Ethyl Acetate	7.169	43	2041	5.194	ug/l #	66
38) Carbon Tetrachloride	7.999	117	6400	5.248	ug/l	98
39) Methylcyclohexane	9.269	83	8158	5.482	ug/l	92
40) Benzene	8.252	78	22235	6.016	ug/l	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.405	41	1283	6.060	ug/l #	32
42) 1,2-Dichloroethane	8.328	62	5258	6.164	ug/l	86
43) Isopropyl Acetate	8.358	43	4150	5.683	ug/l #	54
44) Trichloroethene	9.028	130	5679	5.245	ug/l	97
45) 1,2-Dichloropropane	9.305	63	4137	5.100	ug/l #	75
46) Dibromomethane	9.393	93	2622	5.602	ug/l	88
47) Bromodichloromethane	9.581	83	5918	5.110	ug/l #	94
48) Methyl methacrylate	9.381	41	1905	5.708	ug/l	86
49) 1,4-Dioxane	9.381	88	371	80.533	ug/l #	50
51) 4-Methyl-2-Pentanone	10.157	43	9112	25.086	ug/l	96
52) Toluene	10.334	92	13201	5.791	ug/l	98
53) t-1,3-Dichloropropene	10.552	75	5038	4.948	ug/l	95
54) cis-1,3-Dichloropropene	10.016	75	6428	5.007	ug/l #	93
55) 1,1,2-Trichloroethane	10.728	97	3629	5.643	ug/l	90
56) Ethyl methacrylate	10.593	69	3553	5.054	ug/l	91
57) 1,3-Dichloropropane	10.881	76	5504	5.276	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.863	63	2367	49.084	ug/l	99
59) 2-Hexanone	10.922	43	6115	24.665	ug/l	94
60) Dibromochloromethane	11.075	129	4024	5.191	ug/l	97
61) 1,2-Dibromoethane	11.181	107	3306	5.631	ug/l	94
64) Tetrachloroethene	10.804	164	5566	6.023	ug/l	92
65) Chlorobenzene	11.604	112	13889	5.274	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.681	131	4805	5.311	ug/l	98
67) Ethyl Benzene	11.681	91	23428	5.109	ug/l	97
68) m/p-Xylenes	11.793	106	18271	10.021	ug/l	99
69) o-Xylene	12.116	106	8365	4.929	ug/l	95
70) Styrene	12.134	104	14494	5.072	ug/l	97
71) Bromoform	12.299	173	2453	5.164	ug/l #	99
73) Isopropylbenzene	12.416	105	22600	4.927	ug/l	97
74) N-amyl acetate	12.234	43	3239	4.777	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.675	83	3736	5.145	ug/l	97
76) 1,2,3-Trichloropropane	12.722	75	4501	8.764	ug/l #	1
77) Bromobenzene	12.698	156	5352	5.170	ug/l	93
78) n-propylbenzene	12.757	91	28177	5.198	ug/l	100
79) 2-Chlorotoluene	12.846	91	15357	5.229	ug/l	100
80) 1,3,5-Trimethylbenzene	12.898	105	18299	4.914	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.469	75	742	3.692	ug/l #	91
82) 4-Chlorotoluene	12.946	91	15410	5.107	ug/l	99
83) tert-Butylbenzene	13.163	119	16220	4.883	ug/l	99
84) 1,2,4-Trimethylbenzene	13.210	105	18368	5.013	ug/l	100
85) sec-Butylbenzene	13.345	105	24677	4.950	ug/l	97
86) p-Isopropyltoluene	13.457	119	19972	4.783	ug/l	99
87) 1,3-Dichlorobenzene	13.457	146	10929	5.080	ug/l	98
88) 1,4-Dichlorobenzene	13.540	146	11486	5.454	ug/l	94
89) n-Butylbenzene	13.781	91	18579	4.883	ug/l	98
90) Hexachloroethane	14.051	117	3783	5.205	ug/l	88
91) 1,2-Dichlorobenzene	13.828	146	9880	5.505	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.445	75	489	4.869	ug/l	95
93) 1,2,4-Trichlorobenzene	15.098	180	6372	5.382	ug/l	94
94) Hexachlorobutadiene	15.204	225	3496	5.368	ug/l	95
95) Naphthalene	15.328	128	11073	4.969	ug/l	95
96) 1,2,3-Trichlorobenzene	15.522	180	5188	5.112	ug/l	93

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ClientSampleId :
LOQ-SOIL-02-QT4-2022

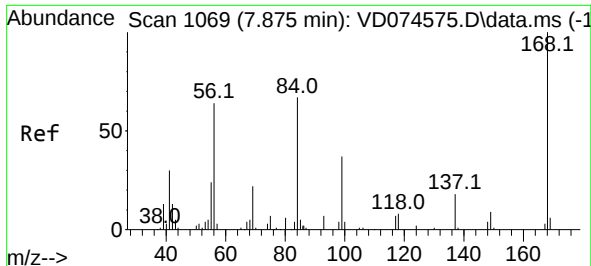
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

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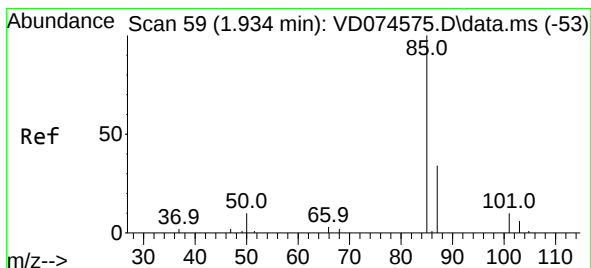
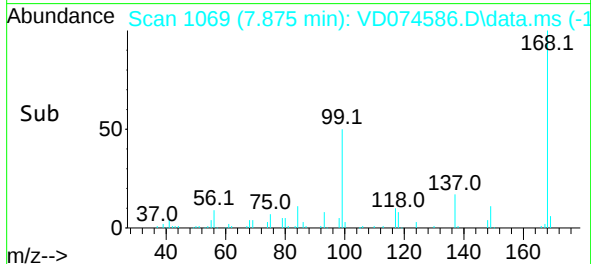
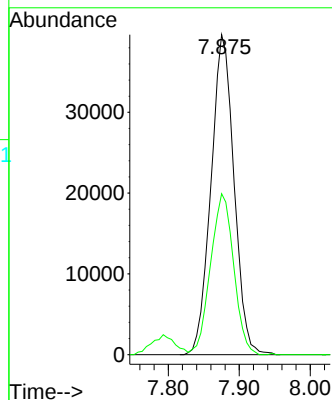
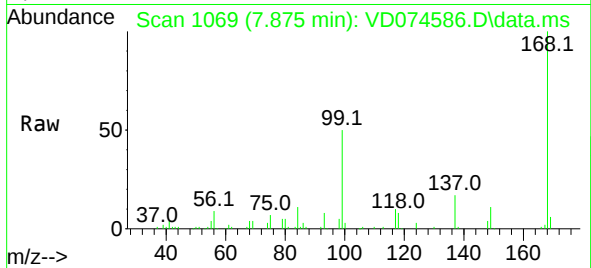




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

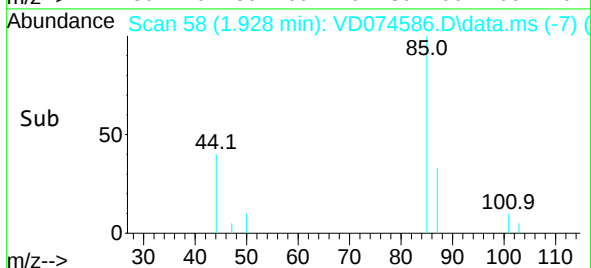
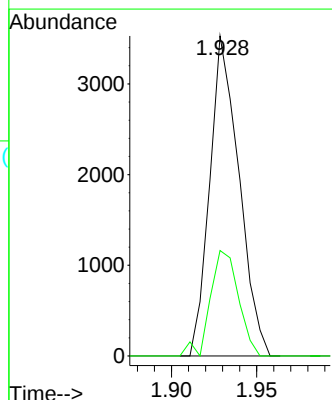
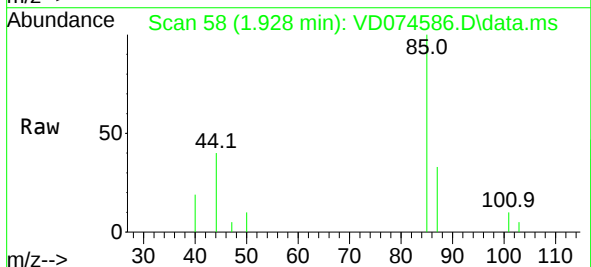
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

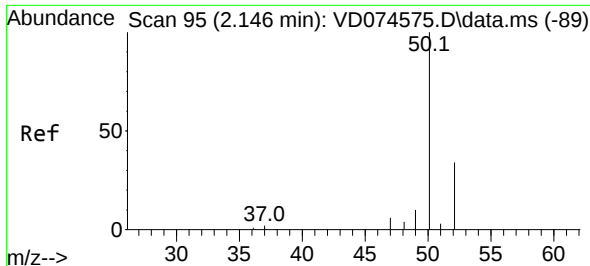
Tgt Ion:168 Resp: 89109
Ion Ratio Lower Upper
168 100
99 50.3 40.9 61.3



#2
Dichlorodifluoromethane
Concen: 6.087 ug/l
RT: 1.928 min Scan# 58
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 85 Resp: 4210
Ion Ratio Lower Upper
85 100
87 33.0 17.5 52.6

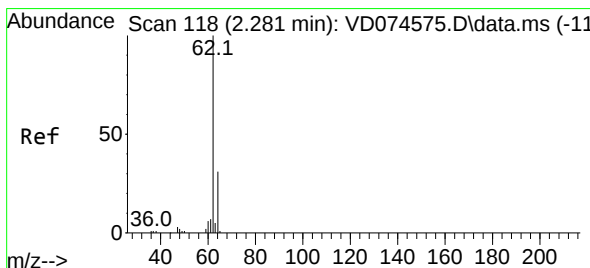
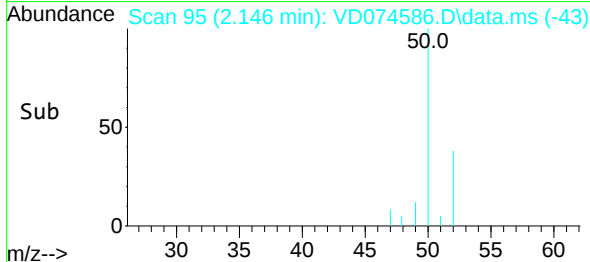
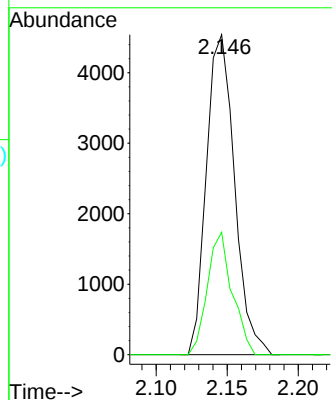
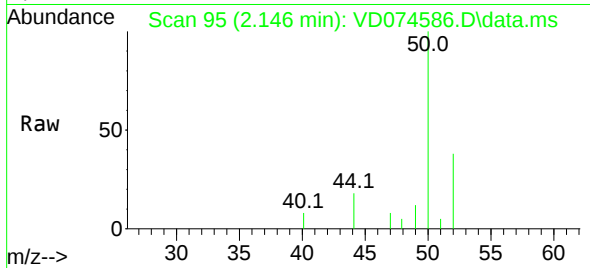




#3
Chloromethane
Concen: 6.691 ug/l
RT: 2.146 min Scan# 95
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

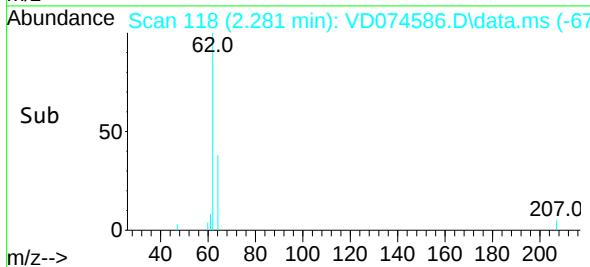
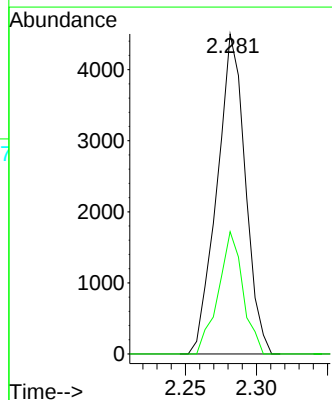
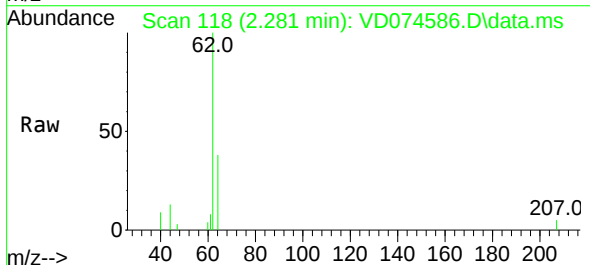
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT4-2022

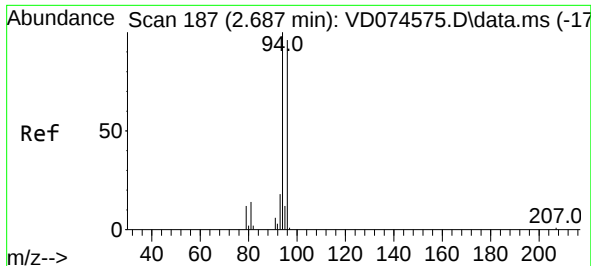
Tgt Ion: 50 Resp: 6265
Ion Ratio Lower Upper
50 100
52 38.2 30.0 45.0



#4
Vinyl Chloride
Concen: 6.024 ug/l
RT: 2.281 min Scan# 118
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 62 Resp: 6237
Ion Ratio Lower Upper
62 100
64 38.2 25.5 38.3

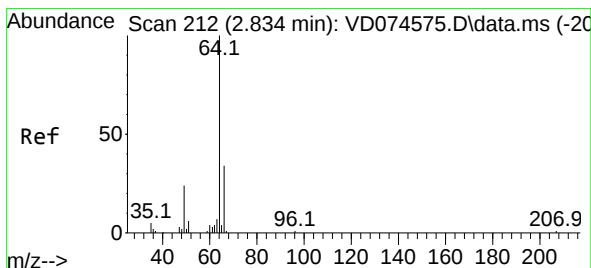
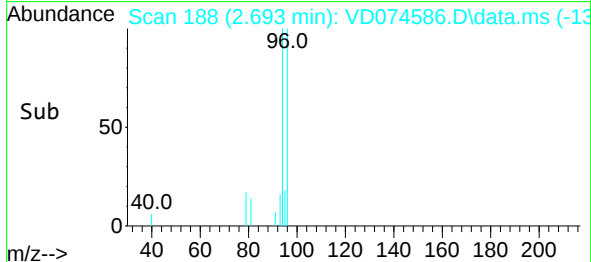
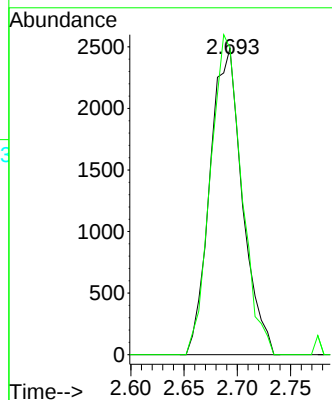
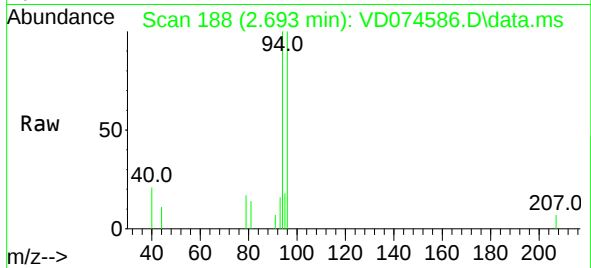




#5
Bromomethane
Concen: 6.722 ug/l
RT: 2.693 min Scan# 188
Delta R.T. 0.012 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

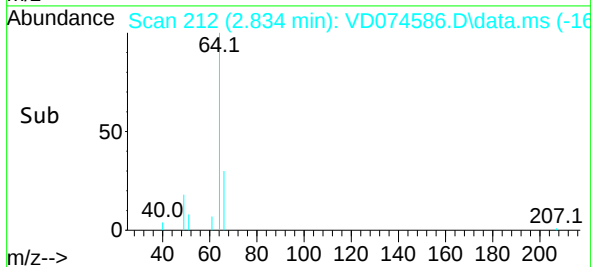
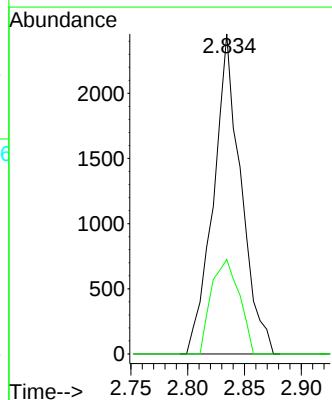
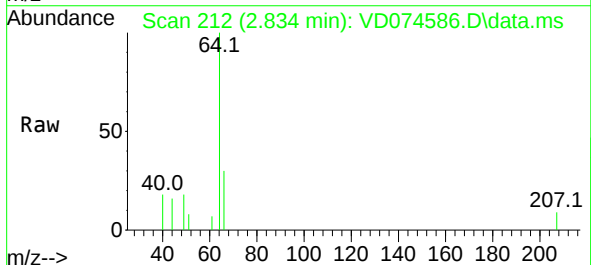
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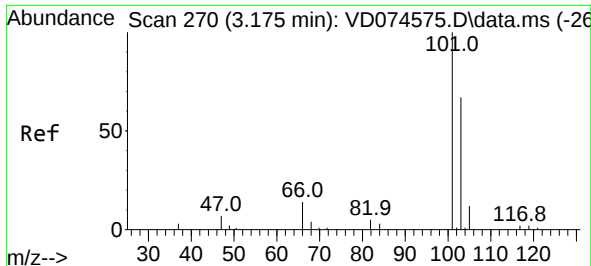
Tgt Ion: 94 Resp: 5271
Ion Ratio Lower Upper
94 100
96 99.9 74.6 112.0



#6
Chloroethane
Concen: 5.821 ug/l
RT: 2.834 min Scan# 212
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 64 Resp: 4144
Ion Ratio Lower Upper
64 100
66 29.6 25.8 38.8

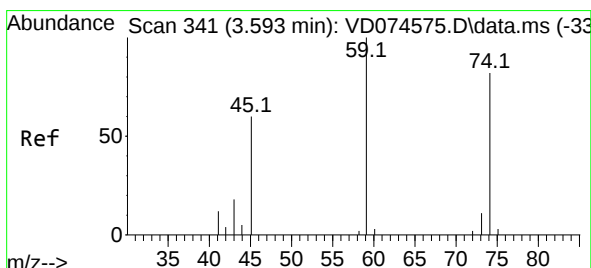
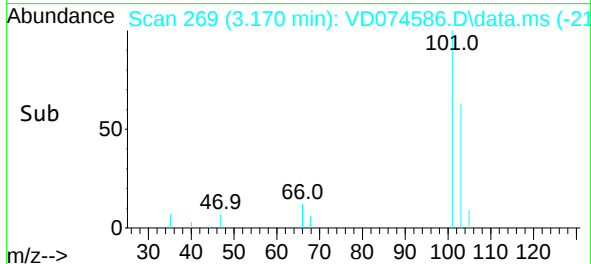
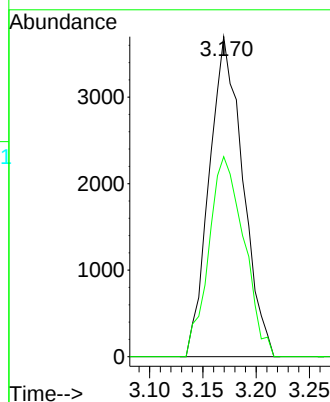
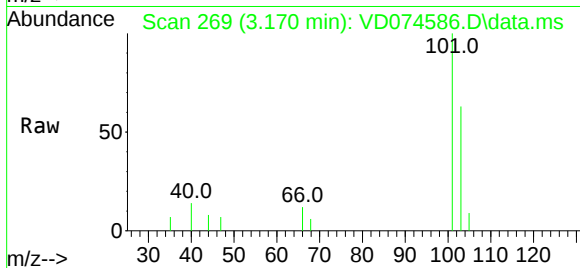




#7
Trichlorofluoromethane
Concen: 5.524 ug/l
RT: 3.170 min Scan# 270
Delta R.T. 0.001 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

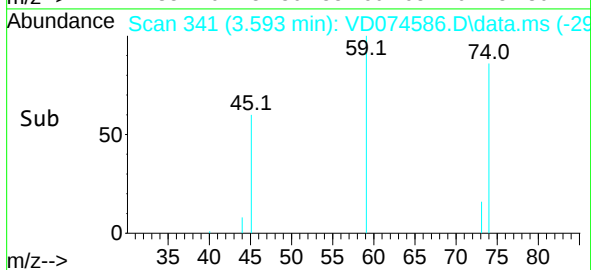
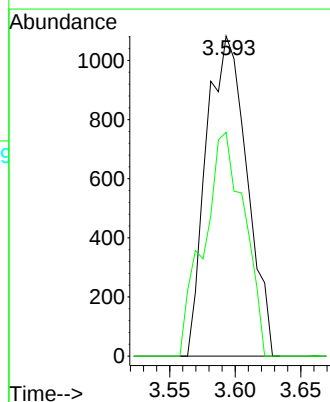
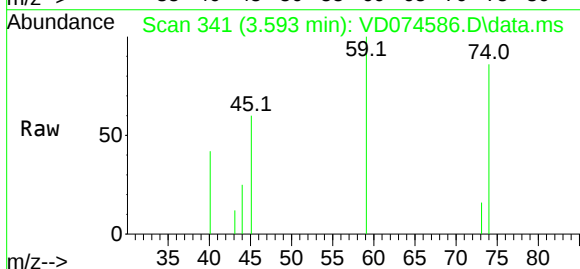
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

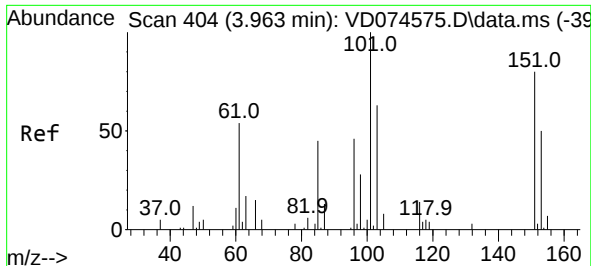
Tgt Ion:101 Resp: 8107
Ion Ratio Lower Upper
101 100
103 62.5 49.8 74.8



#8
Diethyl Ether
Concen: 5.487 ug/l
RT: 3.593 min Scan# 341
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 74 Resp: 2332
Ion Ratio Lower Upper
74 100
45 69.8 37.9 113.6

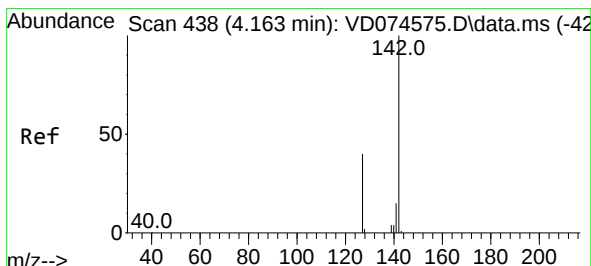
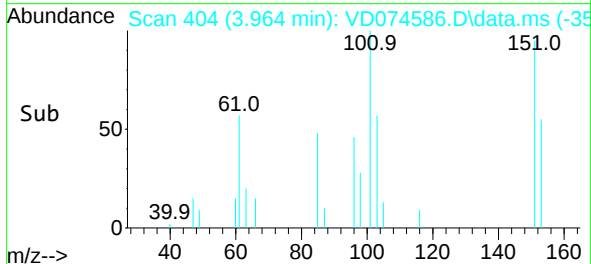
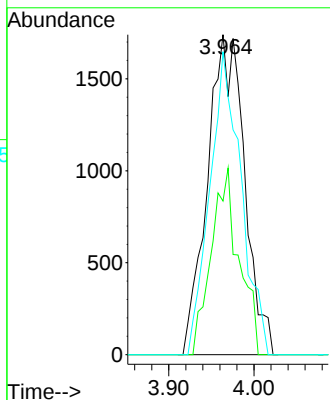
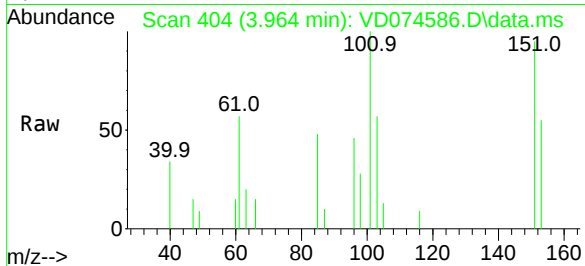




#9
1,1,2-Trichlorotrifluoroethane
Concen: 5.555 ug/l
RT: 3.964 min Scan# 404
Delta R.T. 0.001 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

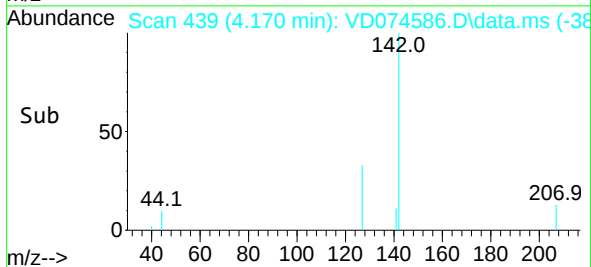
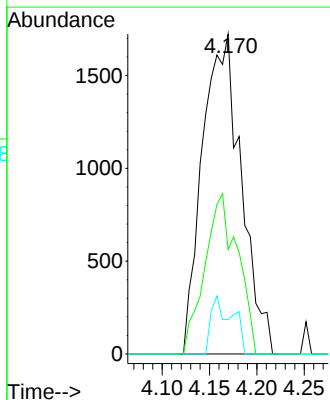
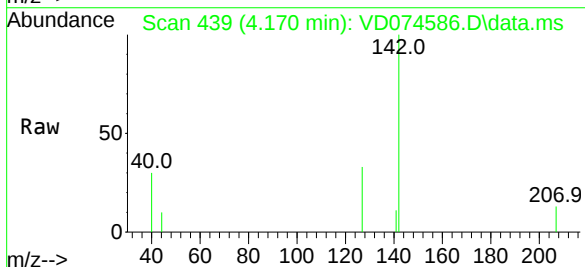
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

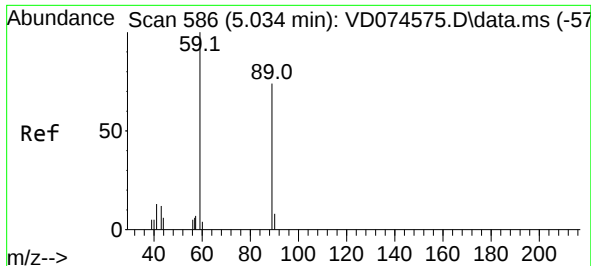
Tgt Ion:	101	Resp:	5258
Ion	Ratio	Lower	Upper
101	100		
85	43.6	34.1	51.1
151	80.2	61.7	92.5



#10
Methyl Iodide
Concen: 7.606 ug/l
RT: 4.170 min Scan# 439
Delta R.T. 0.012 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion:	142	Resp:	4905
Ion	Ratio	Lower	Upper
142	100		
127	42.4	31.9	47.9
141	9.8	11.4	17.2

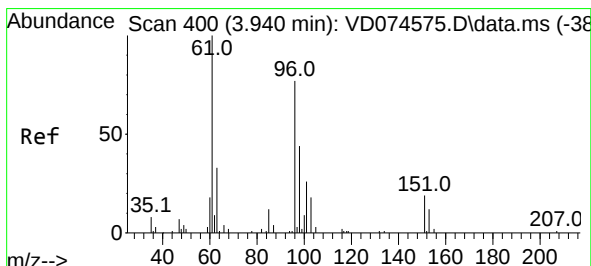
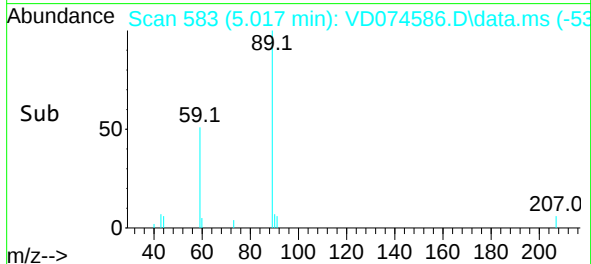
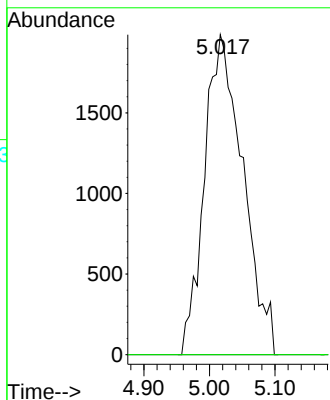
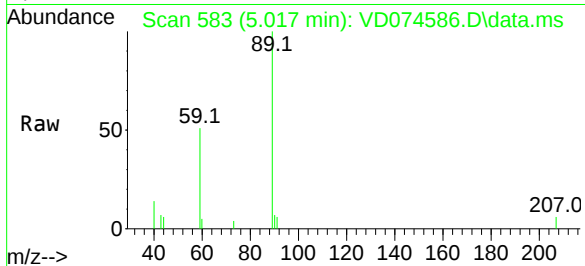




#11
Tert butyl alcohol
Concen: 48.506 ug/l
RT: 5.017 min Scan# 51
Delta R.T. -0.035 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

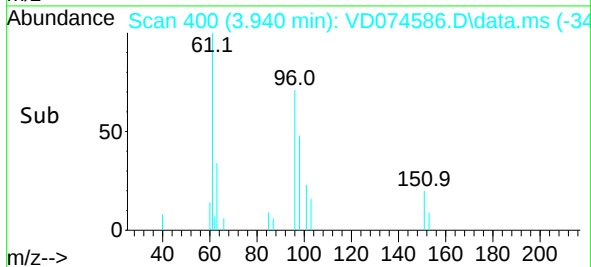
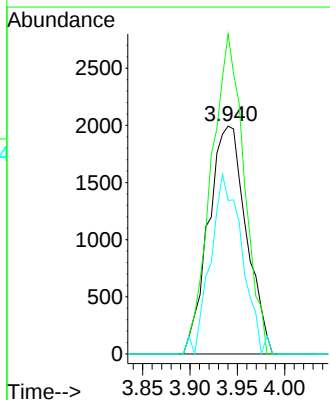
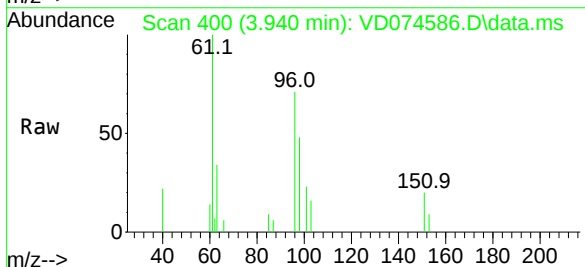
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

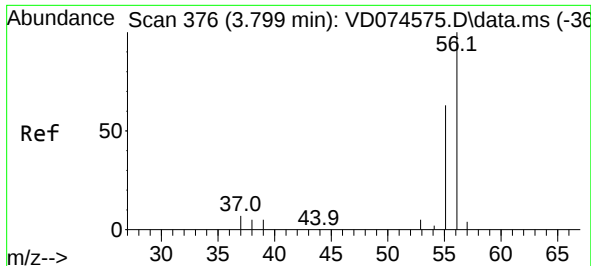
Tgt Ion: 59 Resp: 8081
Ion Ratio Lower Upper
59 100
57 0.0 4.4 6.6#



#12
1,1-Dichloroethene
Concen: 5.854 ug/l
RT: 3.940 min Scan# 400
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 96 Resp: 5542
Ion Ratio Lower Upper
96 100
61 140.5 113.9 170.9
98 67.4 51.8 77.8





#13

Acrolein

Concen: 23.551 ug/l

RT: 3.787 min Scan# 31

Delta R.T. -0.012 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

Instrument :

MSVOA_D

ClientSampleId :

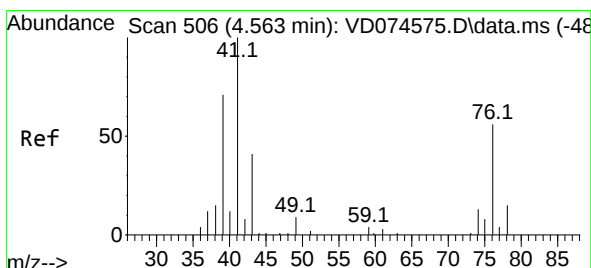
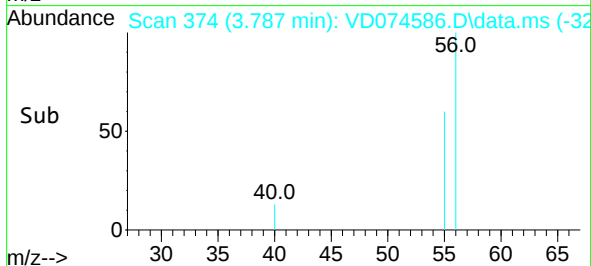
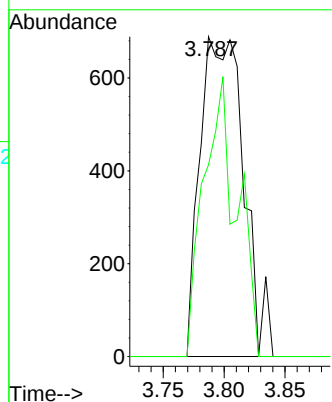
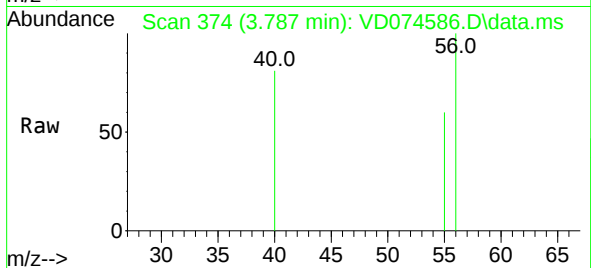
LOQ-SOIL-02-QT4-2022

Tgt Ion: 56 Resp: 1716

Ion Ratio Lower Upper

56 100

55 66.9 54.0 81.0



#14

Allyl chloride

Concen: 5.618 ug/l

RT: 4.564 min Scan# 506

Delta R.T. 0.012 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

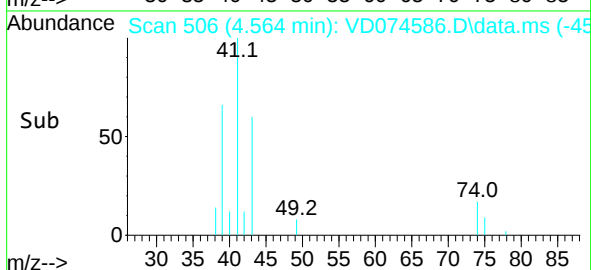
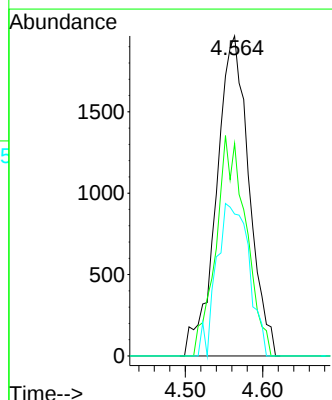
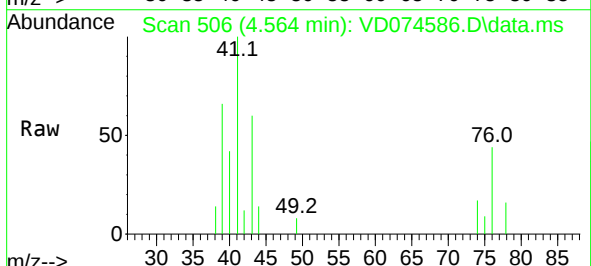
Tgt Ion: 41 Resp: 5743

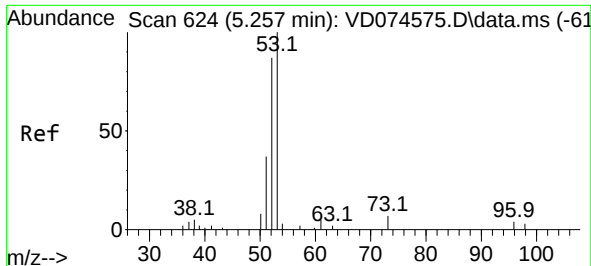
Ion Ratio Lower Upper

41 100

39 63.8 53.4 80.2

76 47.4 42.4 63.6

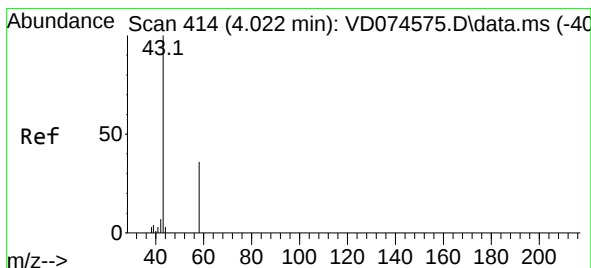
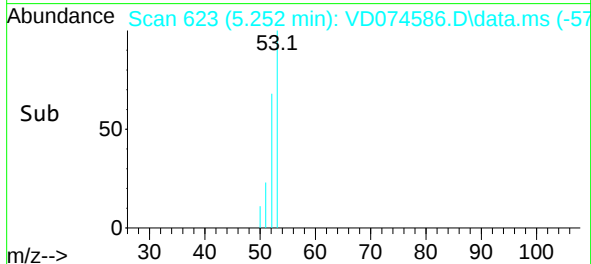
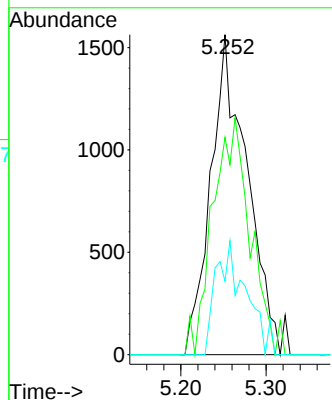
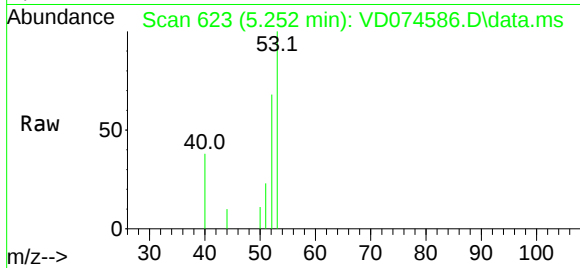




#15
Acrylonitrile
Concen: 26.607 ug/l
RT: 5.252 min Scan# 61
Delta R.T. -0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

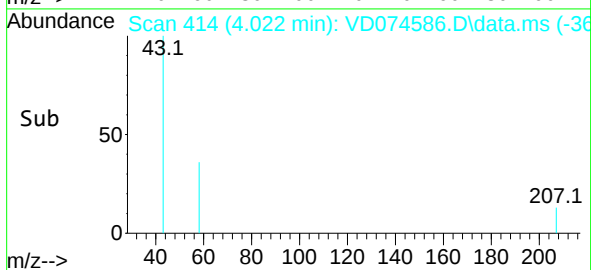
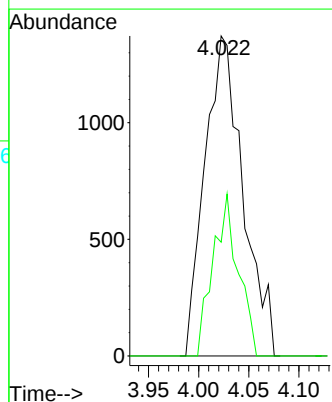
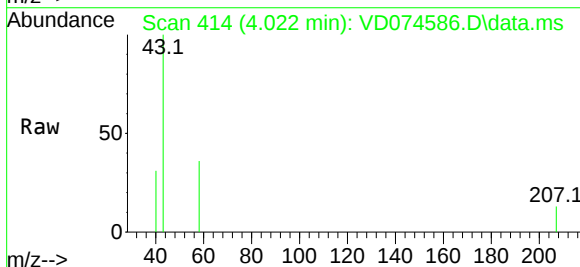
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

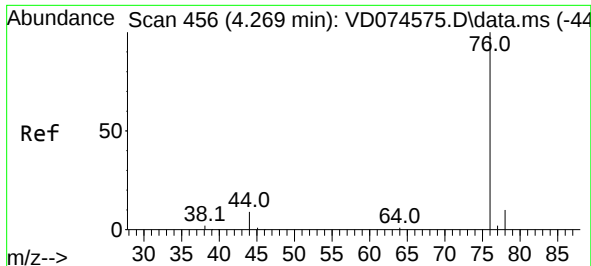
Tgt Ion: 53 Resp: 4622
Ion Ratio Lower Upper
53 100
52 76.4 66.0 99.0
51 10.9 28.3 42.5#



#16
Acetone
Concen: 24.441 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 43 Resp: 3631
Ion Ratio Lower Upper
43 100
58 35.6 30.2 45.2

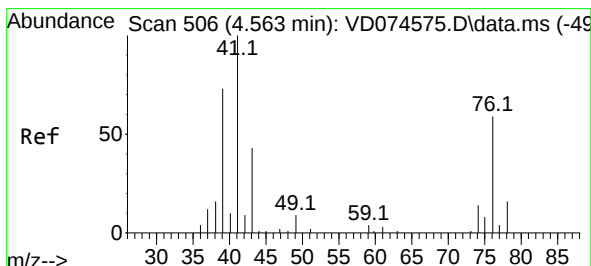
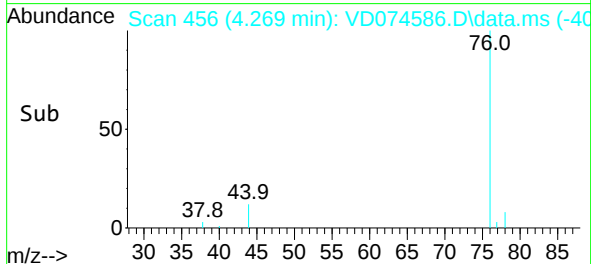
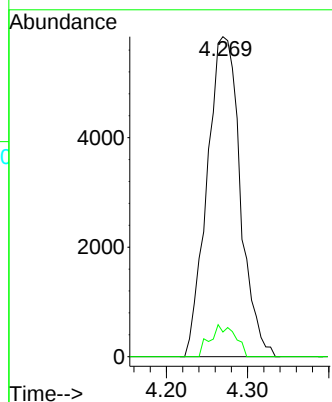
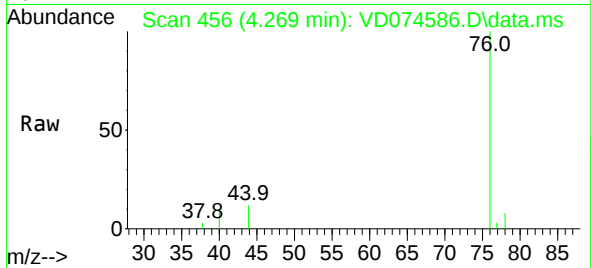




#17
Carbon Disulfide
Concen: 6.401 ug/l
RT: 4.269 min Scan# 41
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

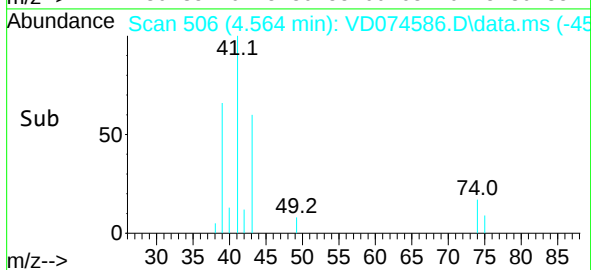
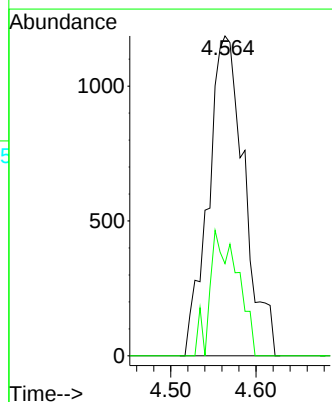
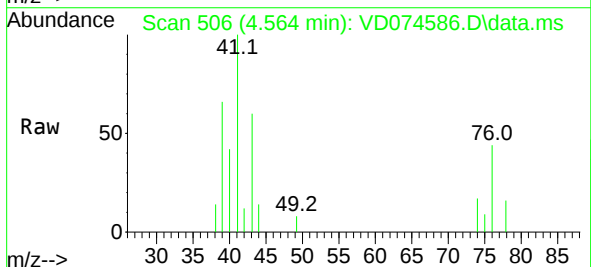
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

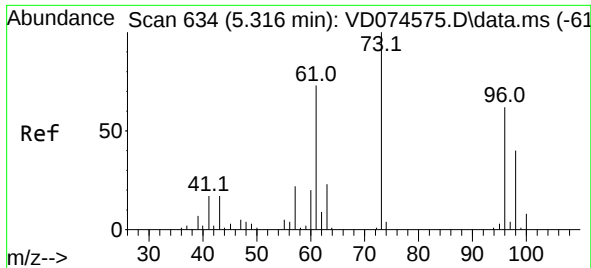
Tgt Ion: 76 Resp: 16581
Ion Ratio Lower Upper
76 100
78 7.7 7.8 11.8#



#18
Methyl Acetate
Concen: 6.078 ug/l
RT: 4.564 min Scan# 506
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 43 Resp: 3483
Ion Ratio Lower Upper
43 100
74 30.2 24.7 37.1

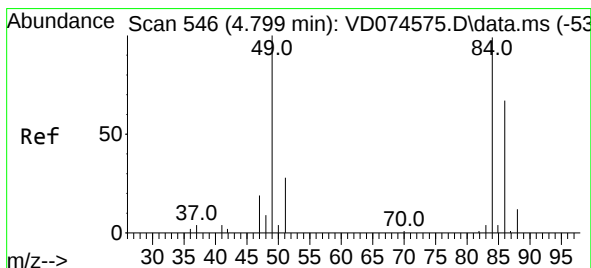
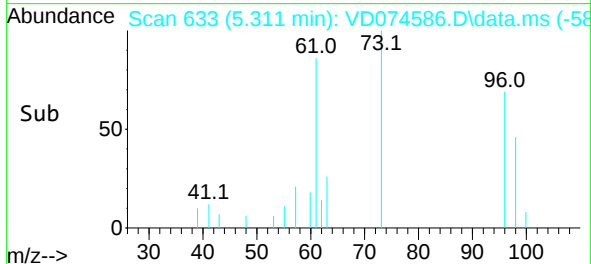
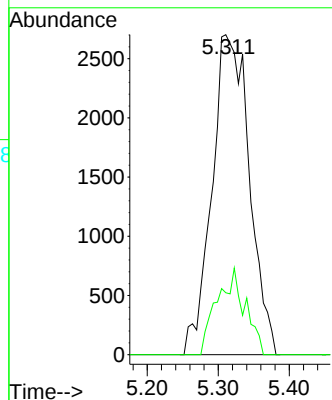
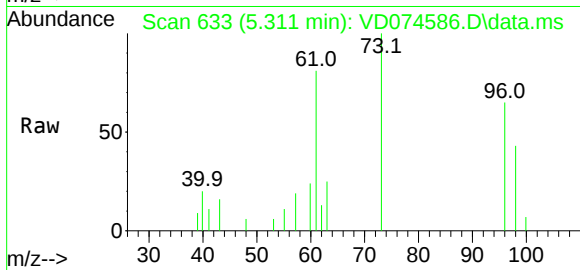




#19
Methyl tert-butyl Ether
Concen: 5.347 ug/l
RT: 5.311 min Scan# 61
Delta R.T. -0.005 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

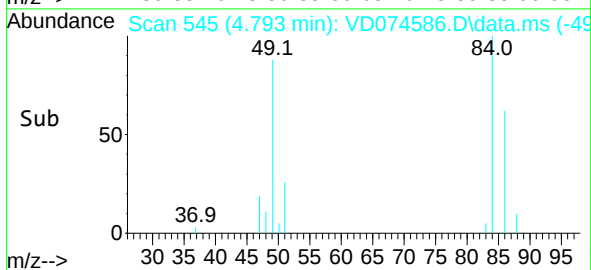
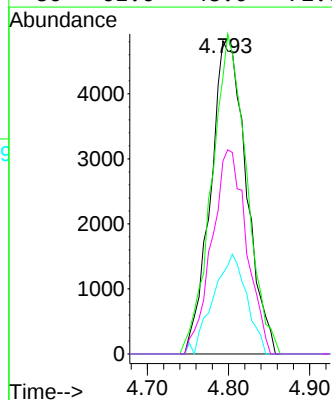
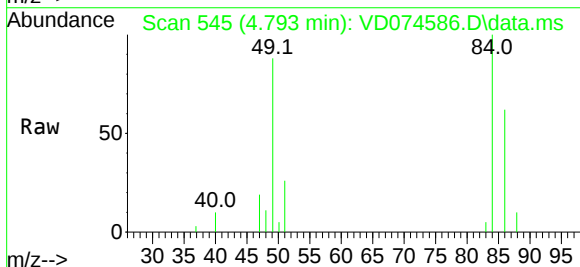
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

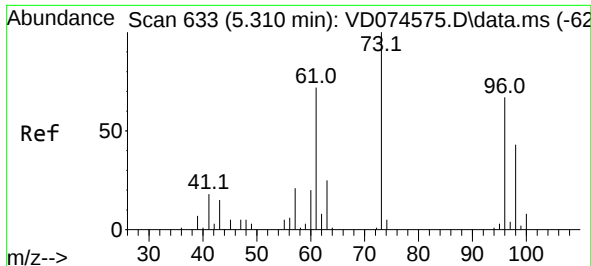
Tgt Ion: 73 Resp: 9891
Ion Ratio Lower Upper
73 100
57 19.4 16.1 24.1



#20
Methylene Chloride
Concen: 3.454 ug/l
RT: 4.793 min Scan# 545
Delta R.T. -0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 84 Resp: 14668
Ion Ratio Lower Upper
84 100
49 88.3 68.0 102.0
51 25.8 23.2 34.8
86 61.6 48.0 72.0

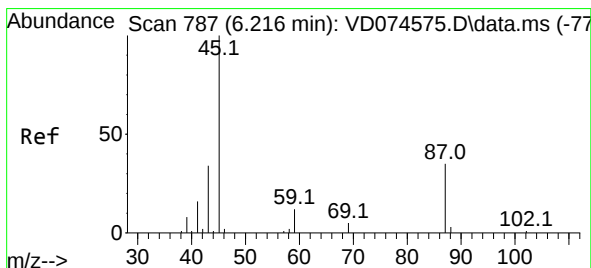
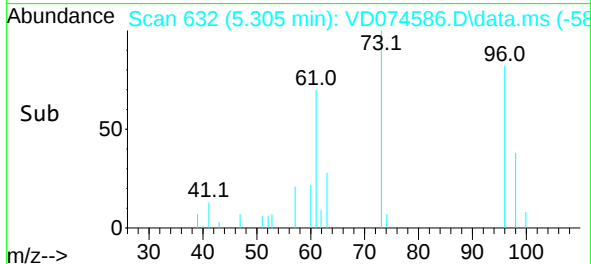
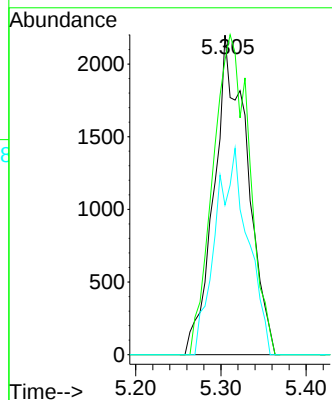
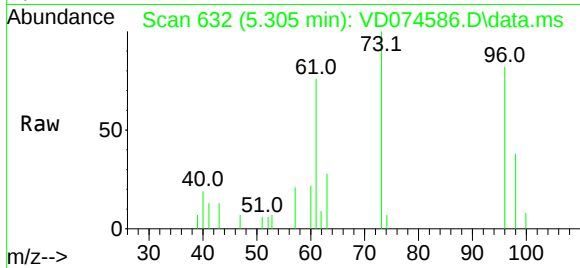




#21
trans-1,2-Dichloroethene
Concen: 5.636 ug/l
RT: 5.305 min Scan# 61
Delta R.T. -0.005 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

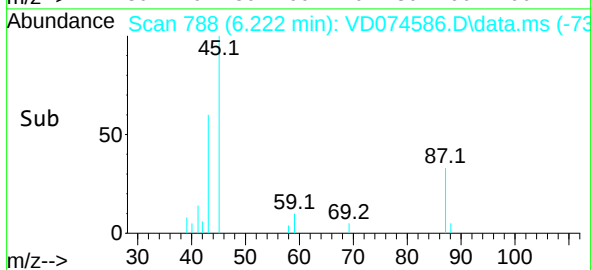
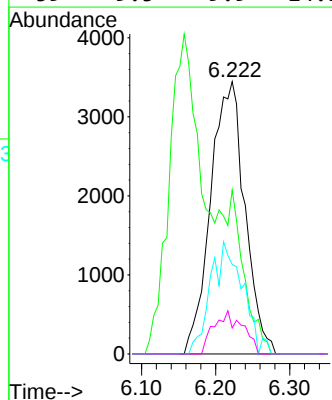
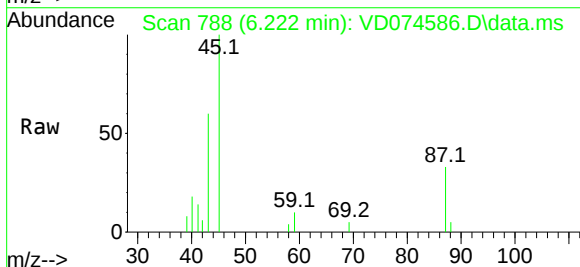
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

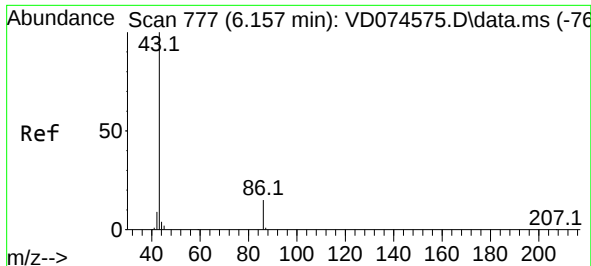
Tgt Ion: 96 Resp: 5948
Ion Ratio Lower Upper
96 100
61 92.2 95.7 143.5#
98 46.8 54.8 82.2#



#22
Diisopropyl ether
Concen: 5.353 ug/l
RT: 6.222 min Scan# 788
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 45 Resp: 11044
Ion Ratio Lower Upper
45 100
43 60.2 37.8 56.6#
87 32.9 26.6 40.0
59 9.5 9.9 14.9#

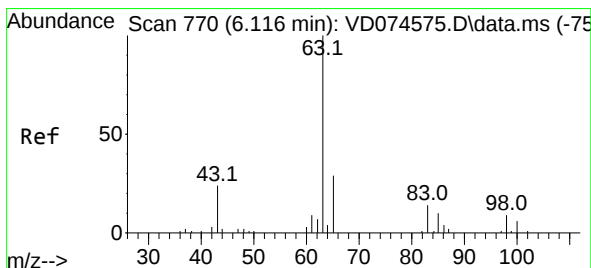
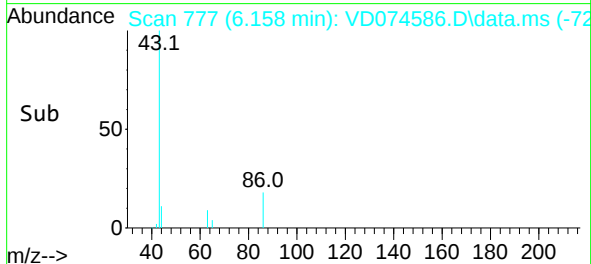
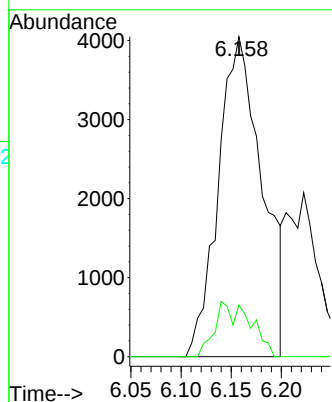
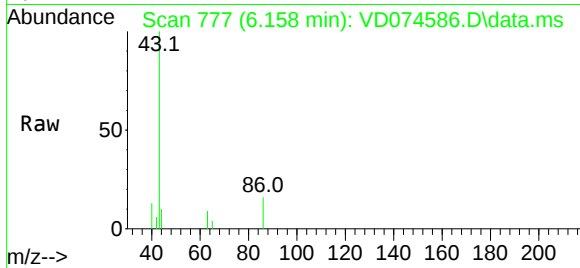




#23
 Vinyl Acetate
 Concen: 13.661 ug/l
 RT: 6.158 min Scan# 71
 Delta R.T. 0.001 min
 Lab File: VD074586.D
 Acq: 19 Oct 2022 18:34

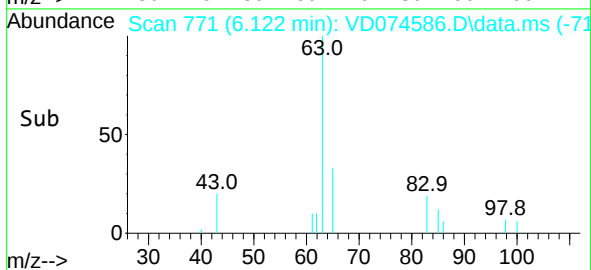
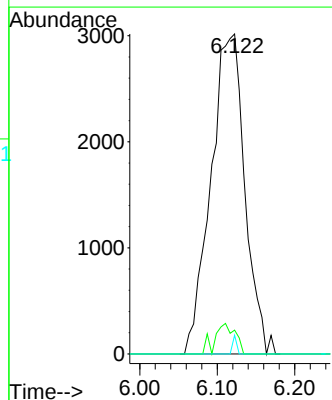
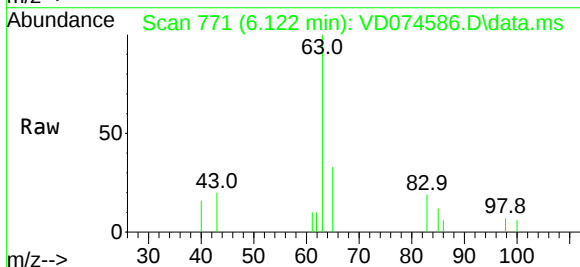
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

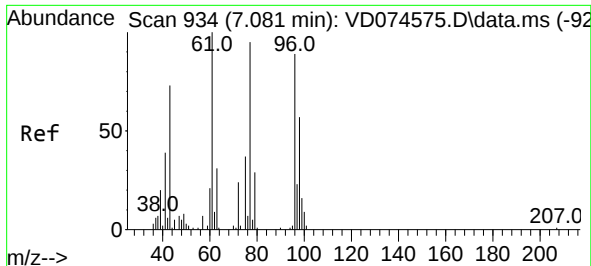
Tgt Ion: 43 Resp: 12324
 Ion Ratio Lower Upper
 43 100
 86 16.2 11.2 16.8



#24
 1,1-Dichloroethane
 Concen: 5.742 ug/l
 RT: 6.122 min Scan# 771
 Delta R.T. 0.017 min
 Lab File: VD074586.D
 Acq: 19 Oct 2022 18:34

Tgt Ion: 63 Resp: 9194
 Ion Ratio Lower Upper
 63 100
 98 7.5 4.6 13.8
 100 5.8 2.9 8.6

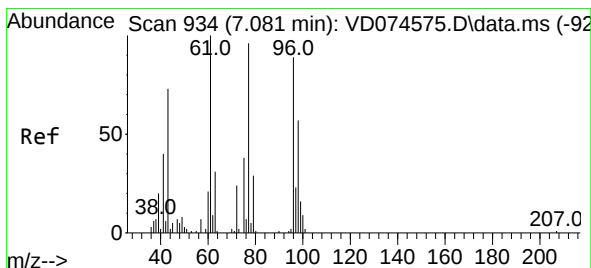
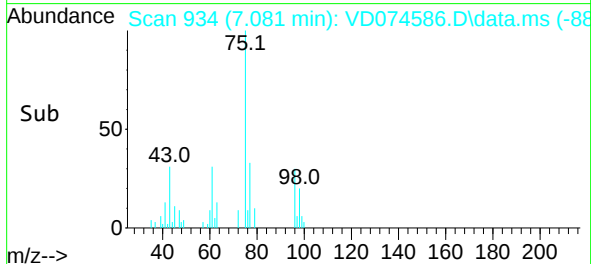
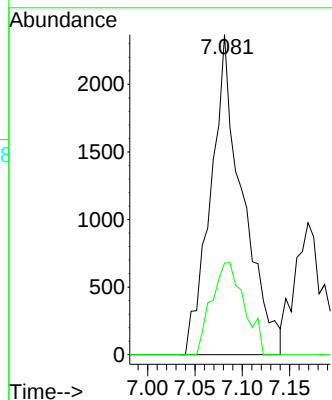
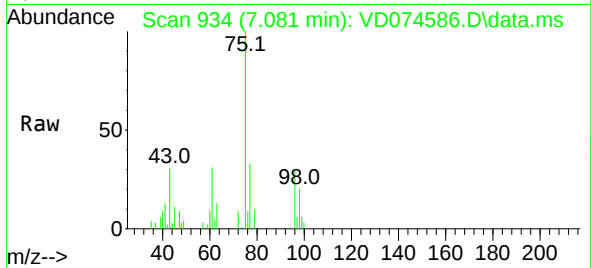




#25
2-Butanone
Concen: 27.902 ug/l
RT: 7.081 min Scan# 91
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

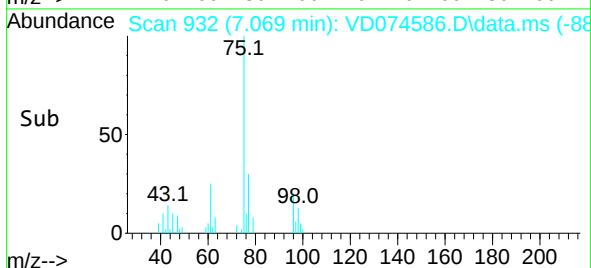
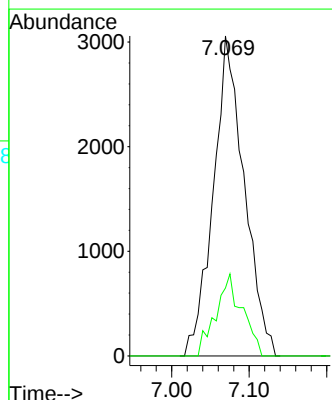
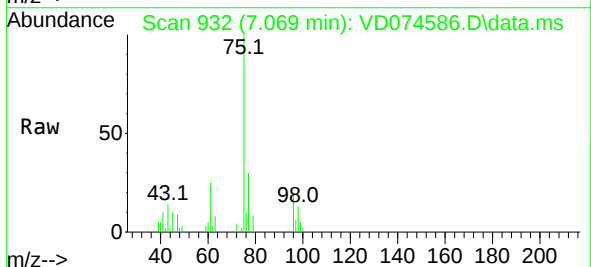
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

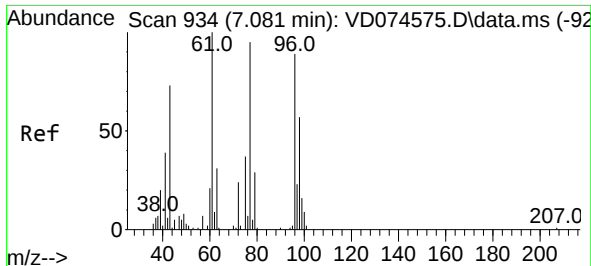
Tgt Ion: 43 Resp: 5543
Ion Ratio Lower Upper
43 100
72 28.6 25.8 38.8



#26
2,2-Dichloropropane
Concen: 5.547 ug/l
RT: 7.069 min Scan# 932
Delta R.T. -0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

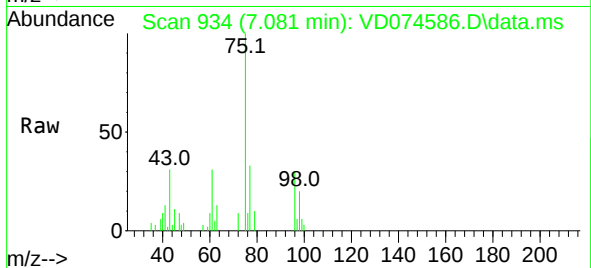
Tgt Ion: 77 Resp: 8489
Ion Ratio Lower Upper
77 100
97 21.9 12.5 37.5





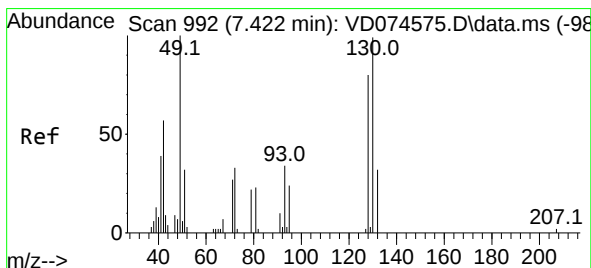
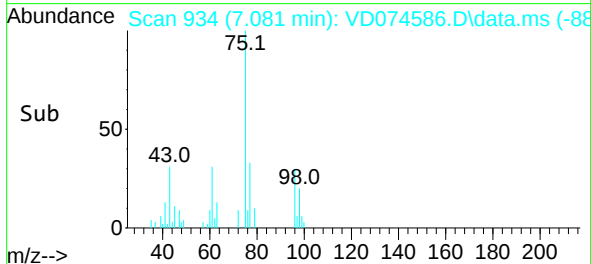
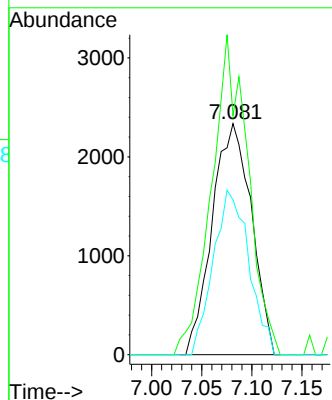
#27
 cis-1,2-Dichloroethene
 Concen: 5.439 ug/l
 RT: 7.081 min Scan# 91
 Delta R.T. 0.006 min
 Lab File: VD074586.D
 Acq: 19 Oct 2022 18:34

Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



Tgt Ion: 96 Resp: 6366

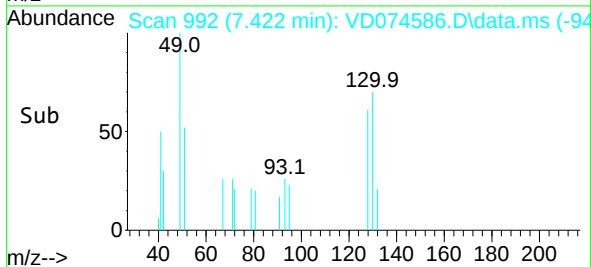
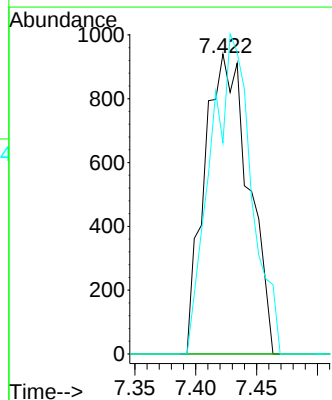
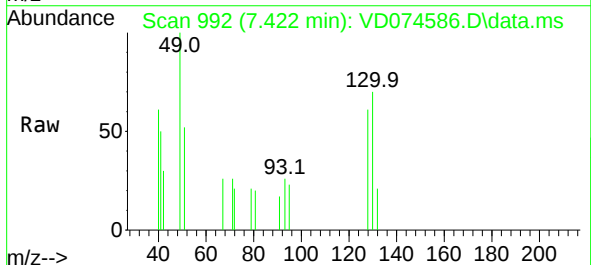
Ion	Ratio	Lower	Upper
96	100		
61	127.9	0.0	242.4
98	64.7	0.0	130.0

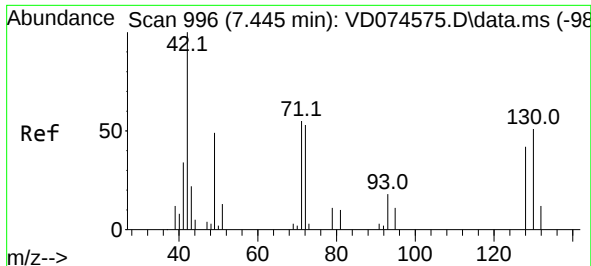


#28
 Bromochloromethane
 Concen: 8.399 ug/l
 RT: 7.422 min Scan# 992
 Delta R.T. -0.006 min
 Lab File: VD074586.D
 Acq: 19 Oct 2022 18:34

Tgt Ion: 49 Resp: 2367

Ion	Ratio	Lower	Upper
49	100		
129	0.0	0.0	5.0
130	99.2	84.1	126.1





#29

Tetrahydrofuran

Concen: 26.765 ug/l

RT: 7.440 min Scan# 996

Delta R.T. -0.006 min

Lab File: VD074586.D

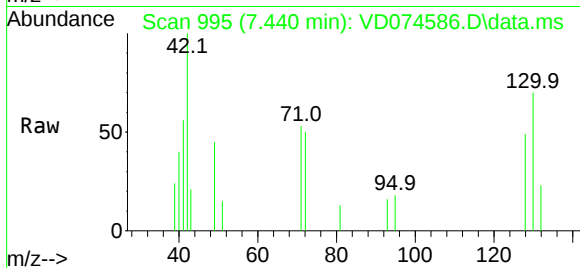
Acq: 19 Oct 2022 18:34

Instrument :

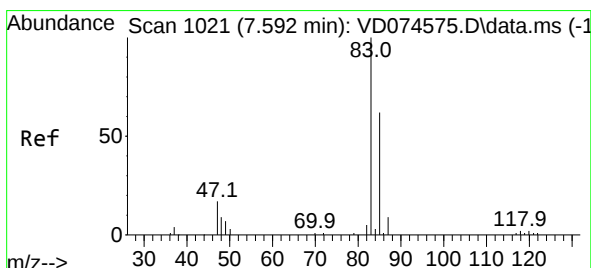
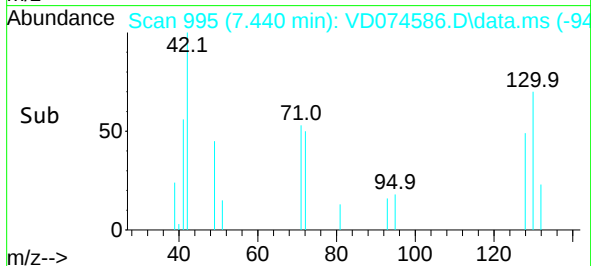
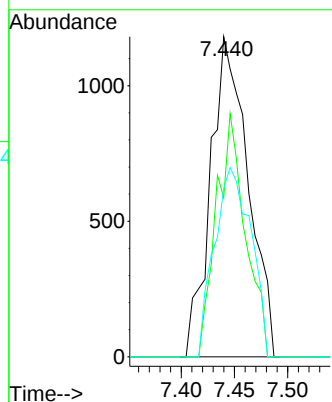
MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:	42	Resp:	2900
Ion	Ratio	Lower	Upper
42	100		
72	58.4	45.8	68.6
71	57.3	44.6	66.8



#30

Chloroform

Concen: 5.418 ug/l

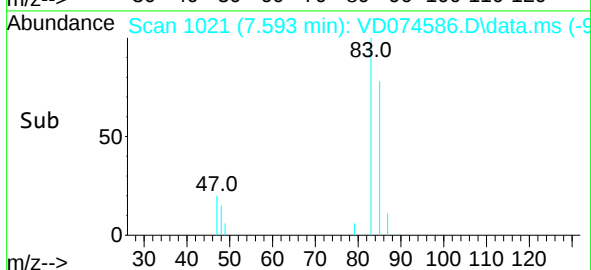
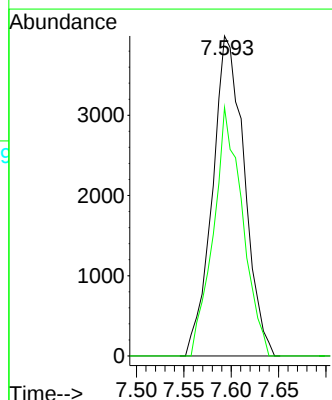
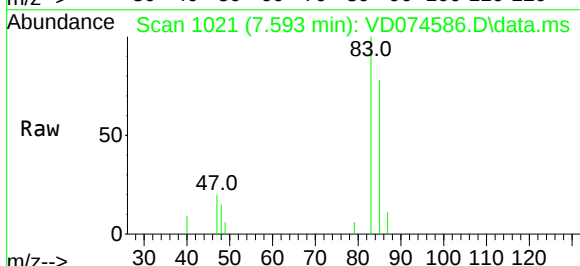
RT: 7.593 min Scan# 1021

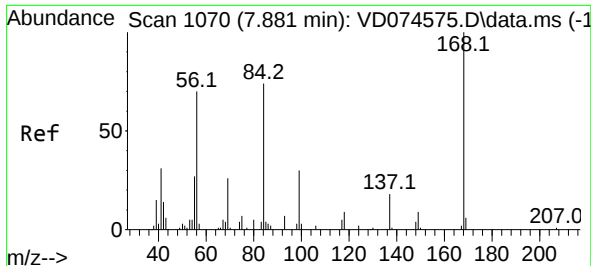
Delta R.T. -0.000 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

Tgt Ion:	83	Resp:	9335
Ion	Ratio	Lower	Upper
83	100		
85	77.7	52.0	78.0

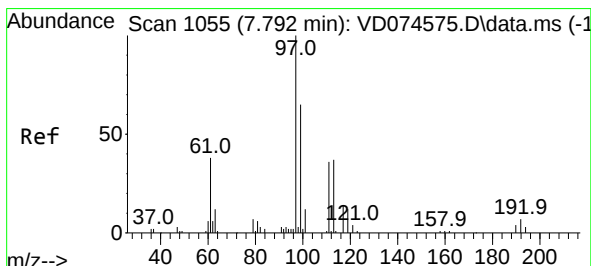
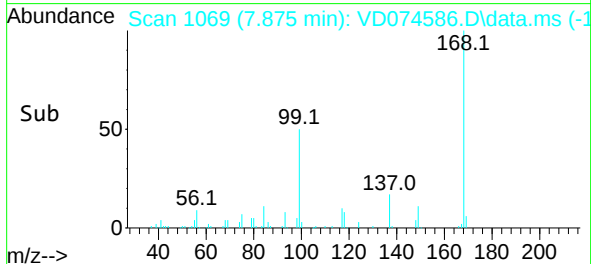
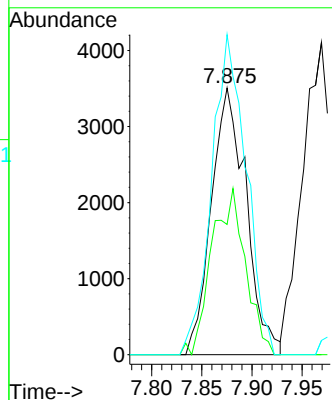
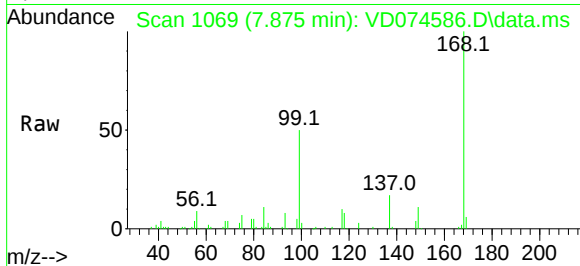




#31
Cyclohexane
Concen: 6.196 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

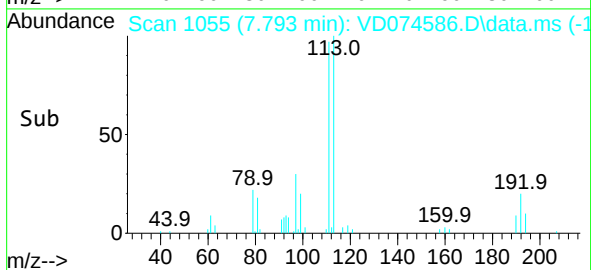
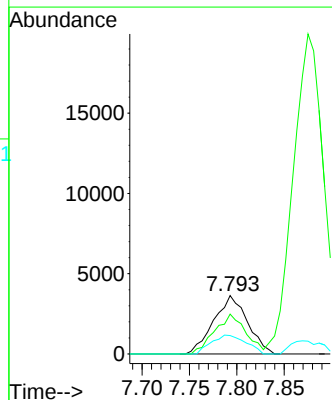
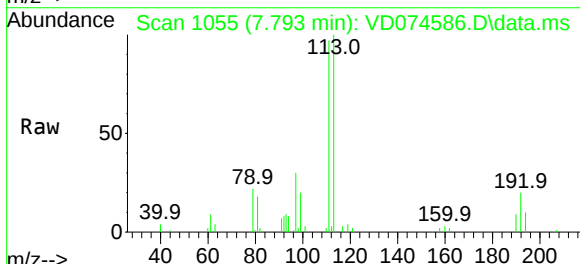
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

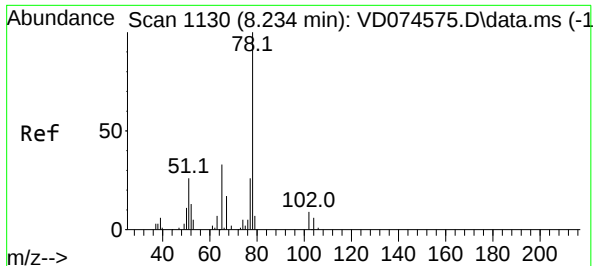
Tgt Ion: 56 Resp: 8468
Ion Ratio Lower Upper
56 100
69 48.8 29.2 43.8#
84 120.0 83.4 125.2



#32
1,1,1-Trichloroethane
Concen: 5.696 ug/l
RT: 7.793 min Scan# 1055
Delta R.T. -0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 97 Resp: 8999
Ion Ratio Lower Upper
97 100
99 63.5 53.3 79.9
61 33.1 30.2 45.4





#33

1,2-Dichloroethane-d4

Concen: 49.613 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

Instrument :

MSVOA_D

ClientSampleId :

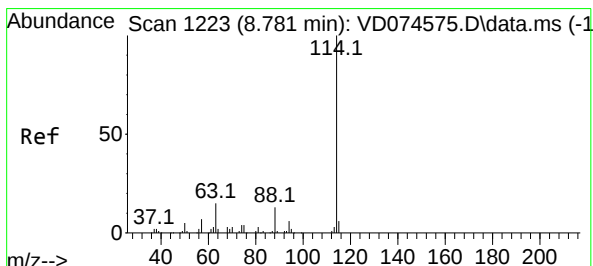
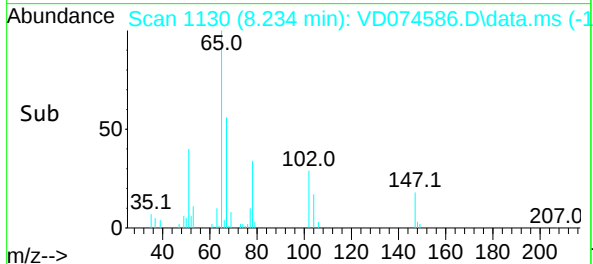
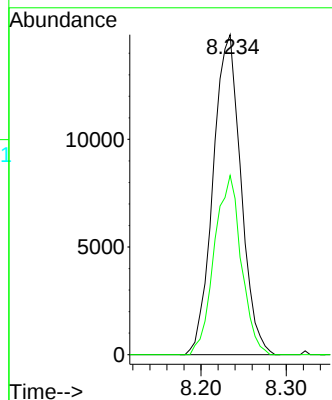
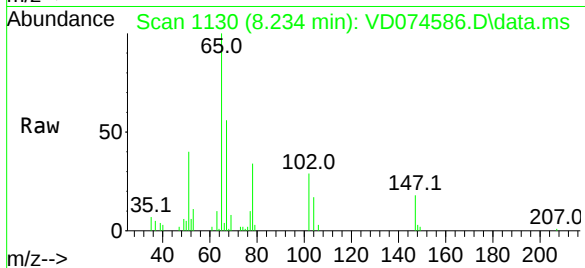
LOQ-SOIL-02-QT4-2022

Tgt Ion: 65 Resp: 33753

Ion Ratio Lower Upper

65 100

67 54.2 0.0 110.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 1223

Delta R.T. 0.006 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

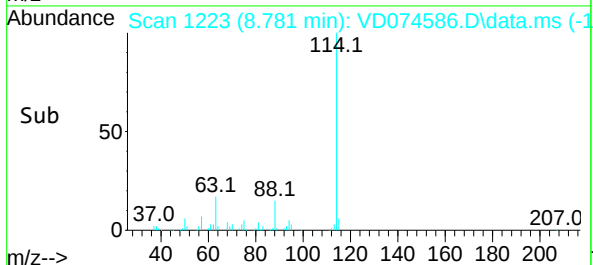
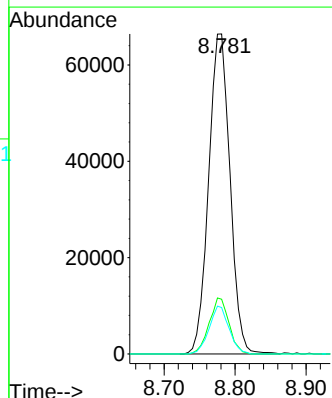
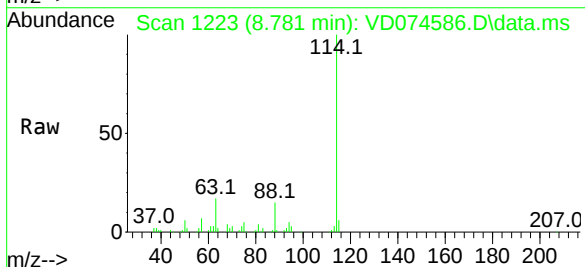
Tgt Ion: 114 Resp: 138636

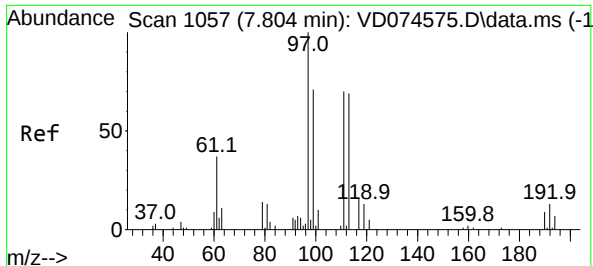
Ion Ratio Lower Upper

114 100

63 17.1 0.0 33.2

88 14.5 0.0 28.2





#35

Dibromofluoromethane

Concen: 54.110 ug/l

RT: 7.805 min Scan# 1091

Delta R.T. 0.001 min

Lab File: VD074586.D

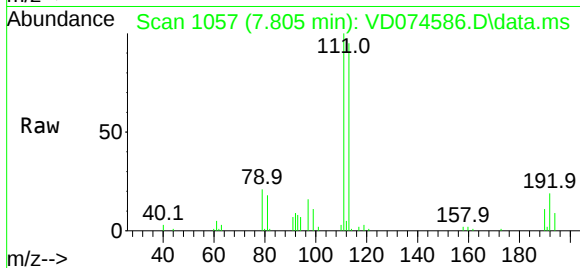
Acq: 19 Oct 2022 18:34

Instrument :

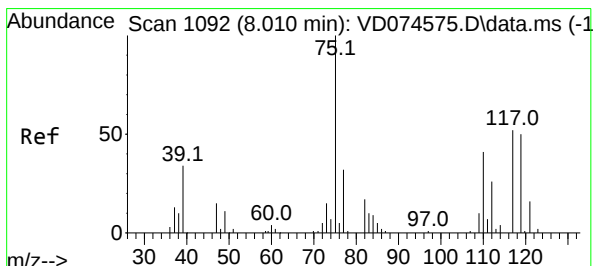
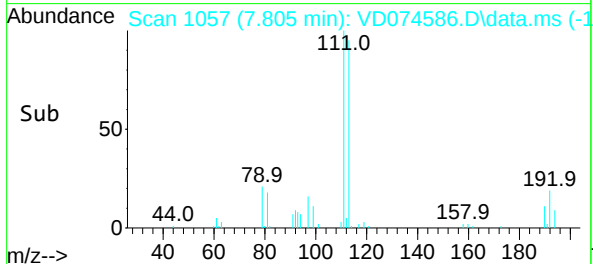
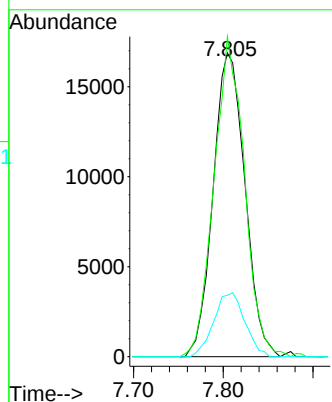
MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:	113	Resp:	41492
Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.3	123.5
192	20.6	16.4	24.6



#36

1,1-Dichloropropene

Concen: 5.853 ug/l

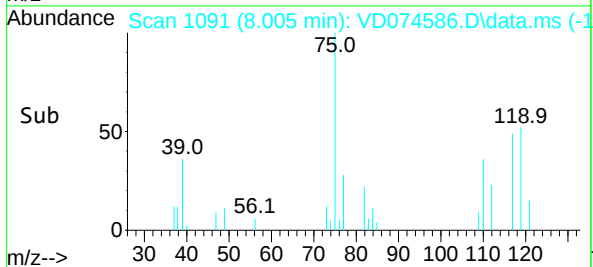
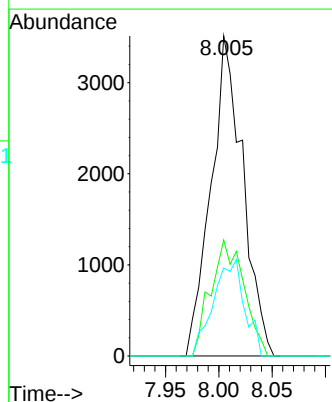
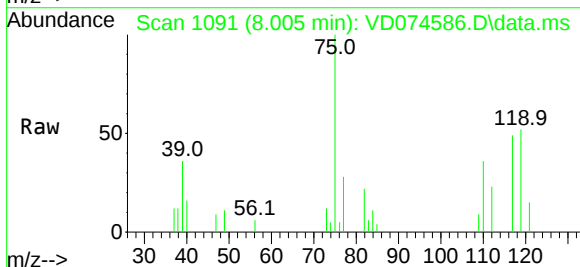
RT: 8.005 min Scan# 1091

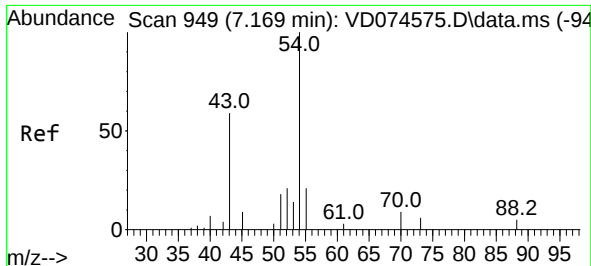
Delta R.T. 0.001 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

Tgt Ion:	75	Resp:	7290
Ion	Ratio	Lower	Upper
75	100		
110	38.1	19.7	59.0
77	29.5	25.4	38.2





#37

Ethyl Acetate

Concen: 5.194 ug/l

RT: 7.169 min Scan# 949

Delta R.T. 0.000 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

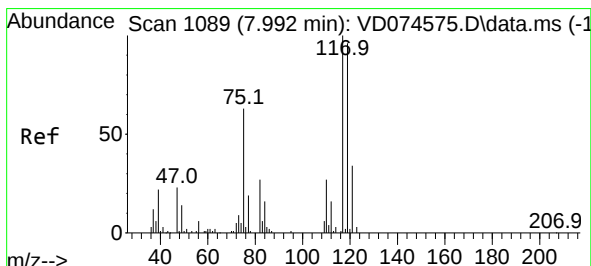
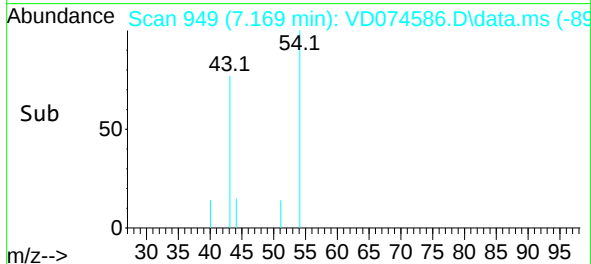
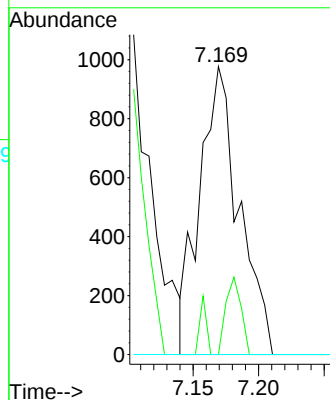
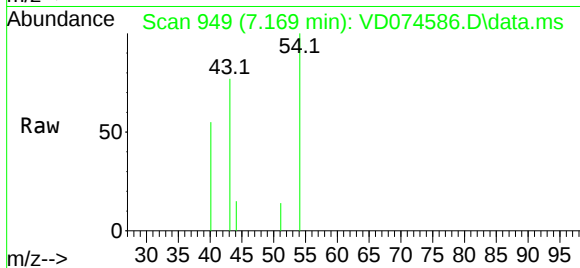
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:	43	Resp:	2041
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.2	18.4#
70	0.0	9.6	14.4#



#38

Carbon Tetrachloride

Concen: 5.248 ug/l

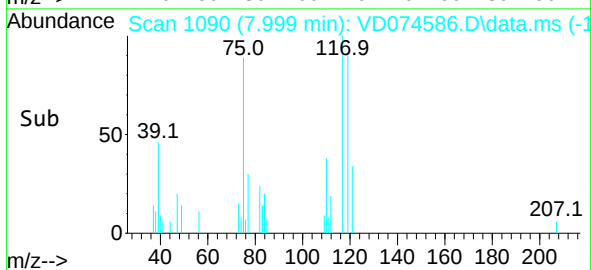
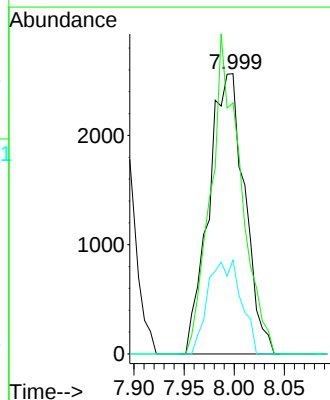
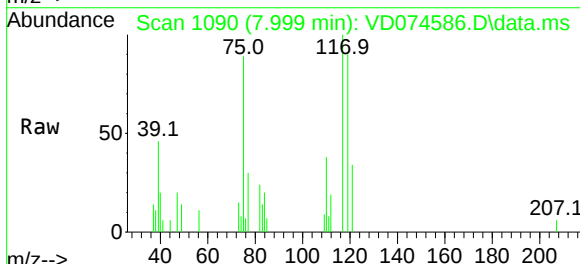
RT: 7.999 min Scan# 1090

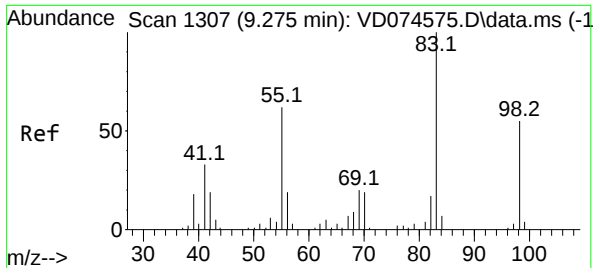
Delta R.T. 0.012 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

Tgt Ion:	117	Resp:	6400
Ion	Ratio	Lower	Upper
117	100		
119	89.6	73.1	109.7
121	33.5	25.0	37.6





#39

Methylcyclohexane

Concen: 5.482 ug/l

RT: 9.269 min Scan# 11306

Delta R.T. 0.000 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2022

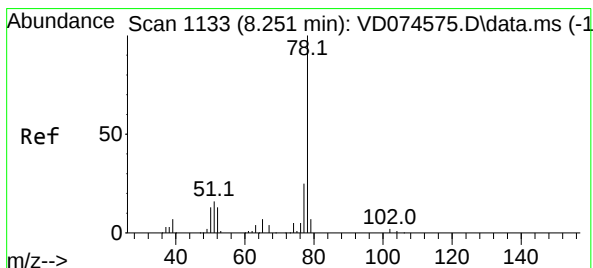
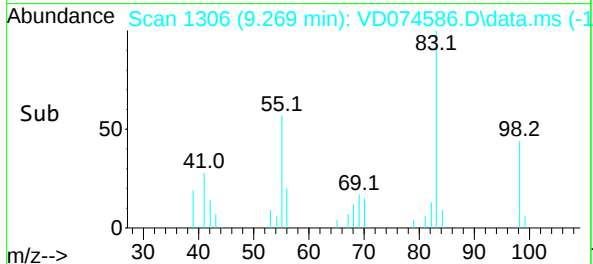
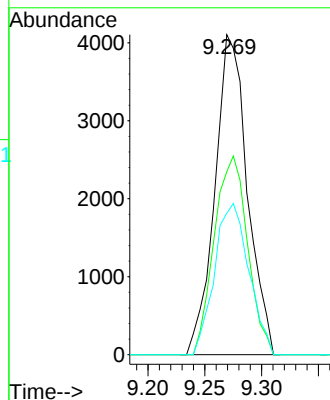
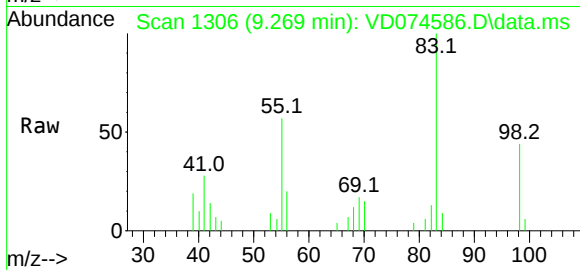
Tgt Ion: 83 Resp: 8158

Ion Ratio Lower Upper

83 100

55 57.1 49.0 73.4

98 44.2 41.7 62.5



#40

Benzene

Concen: 6.016 ug/l

RT: 8.252 min Scan# 1133

Delta R.T. -0.000 min

Lab File: VD074586.D

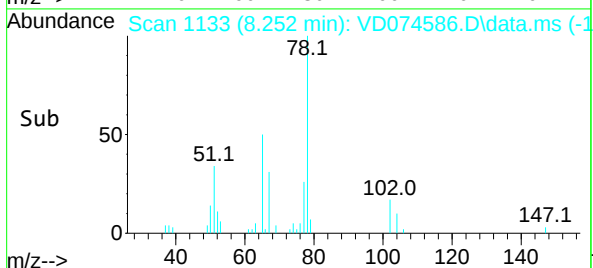
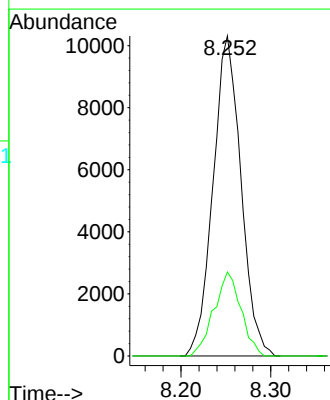
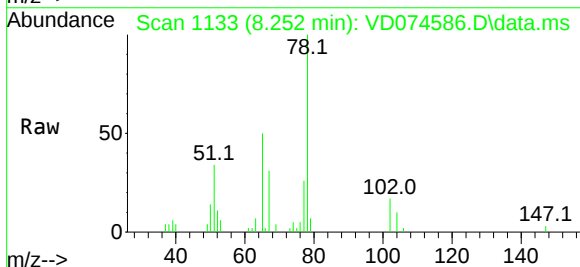
Acq: 19 Oct 2022 18:34

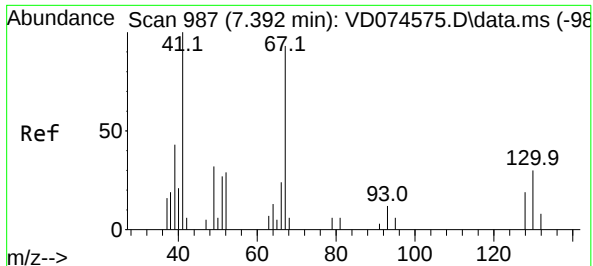
Tgt Ion: 78 Resp: 22235

Ion Ratio Lower Upper

78 100

77 26.3 20.1 30.1

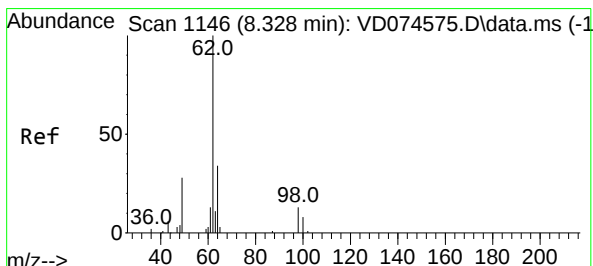
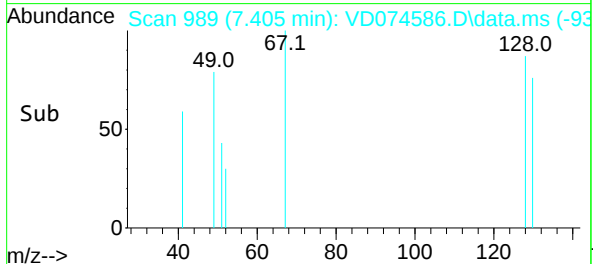
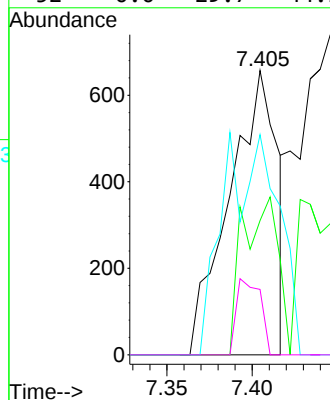
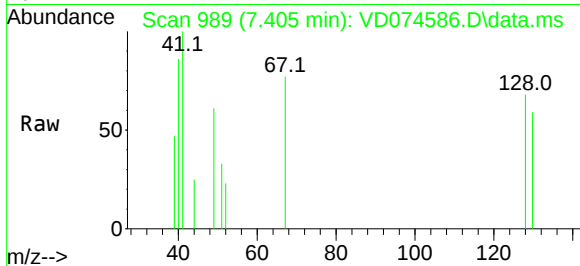




#41
Methacrylonitrile
Concen: 6.060 ug/l
RT: 7.405 min Scan# 91
Delta R.T. 0.001 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

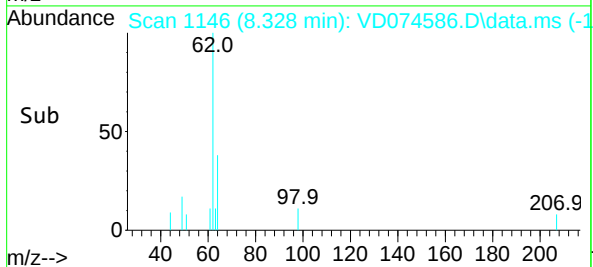
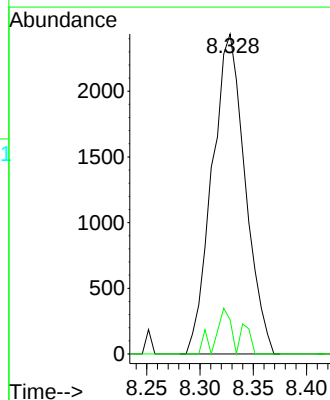
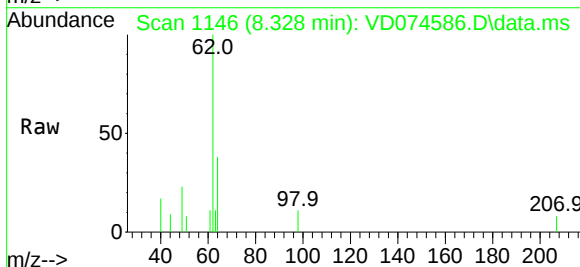
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

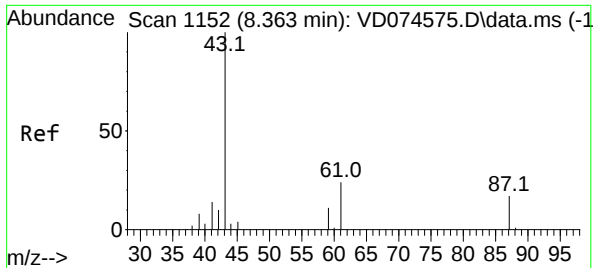
Tgt Ion:	41	Resp:	1283
Ion	Ratio	Lower	Upper
41	100		
39	40.8	35.0	52.6
67	0.0	77.0	115.6#
52	0.0	29.7	44.5#



#42
1,2-Dichloroethane
Concen: 6.164 ug/l
RT: 8.328 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion:	62	Resp:	5258
Ion	Ratio	Lower	Upper
62	100		
98	6.5	0.0	24.2

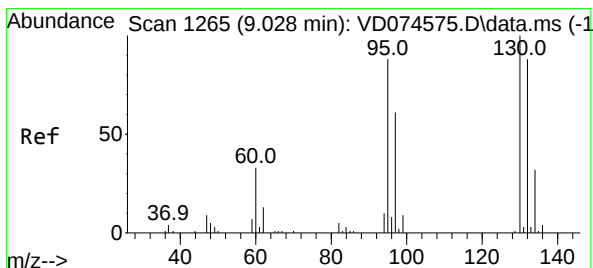
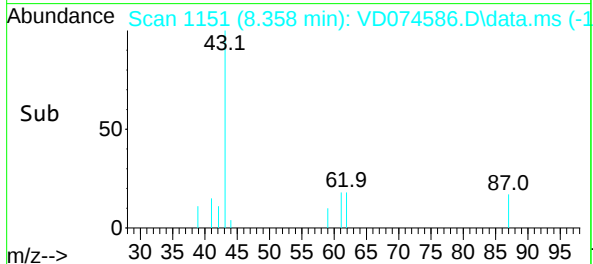
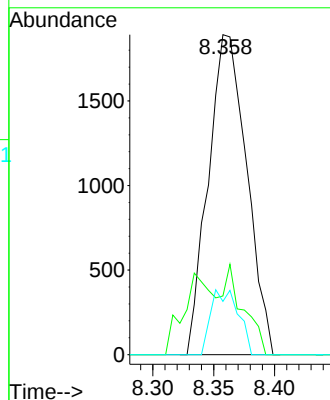
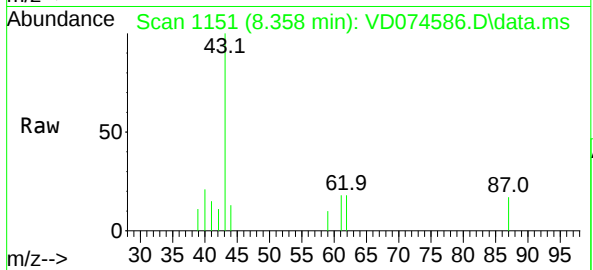




#43
Isopropyl Acetate
Concen: 5.683 ug/l
RT: 8.358 min Scan# 1151
Delta R.T. -0.005 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

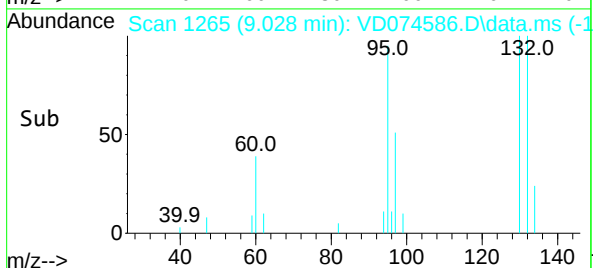
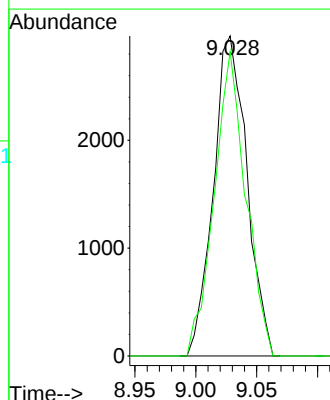
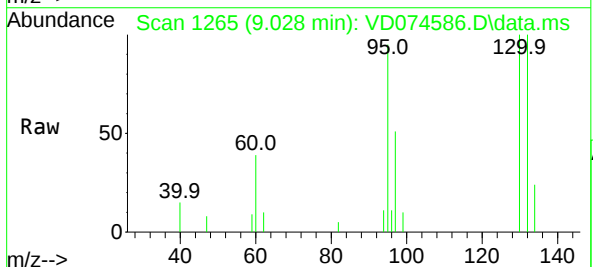
Instrument : MSVOA_D
ClientSampleId : VD074586.D
LOQ-SOIL-02-QT4-2022

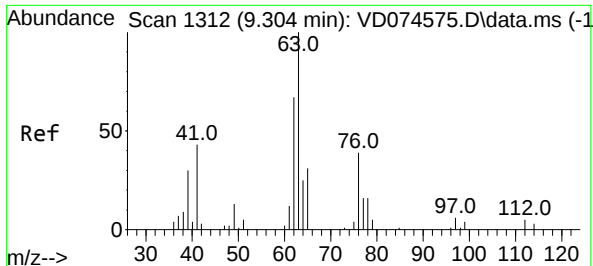
Tgt Ion: 43 Resp: 4150
Ion Ratio Lower Upper
43 100
61 0.0 30.9 46.3#
87 14.5 14.3 21.5



#44
Trichloroethene
Concen: 5.245 ug/l
RT: 9.028 min Scan# 1265
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion:130 Resp: 5679
Ion Ratio Lower Upper
130 100
95 95.1 0.0 185.4





#45

1,2-Dichloropropane

Concen: 5.100 ug/l

RT: 9.305 min Scan# 11

Delta R.T. 0.001 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

Instrument :

MSVOA_D

ClientSampleId :

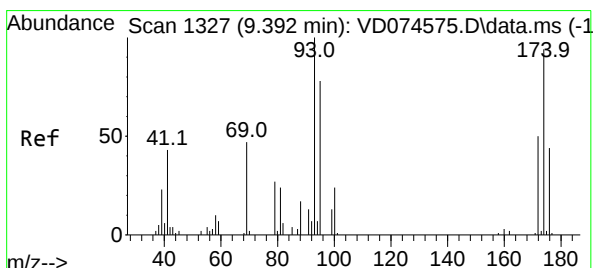
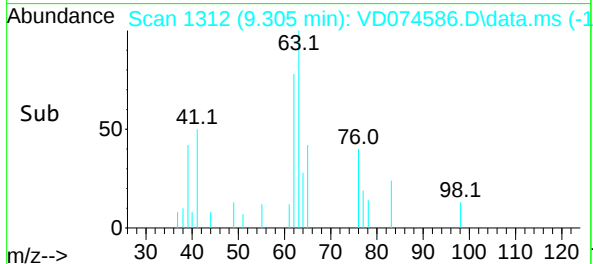
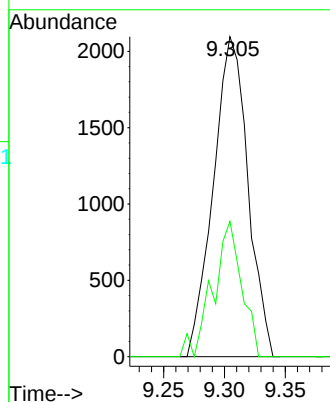
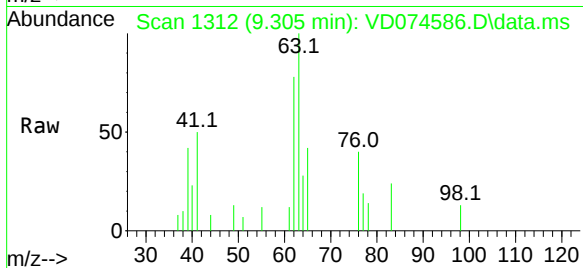
LOQ-SOIL-02-QT4-2022

Tgt Ion: 63 Resp: 4137

Ion Ratio Lower Upper

63 100

65 42.3 23.1 34.7#



#46

Dibromomethane

Concen: 5.602 ug/l

RT: 9.393 min Scan# 1327

Delta R.T. -0.006 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

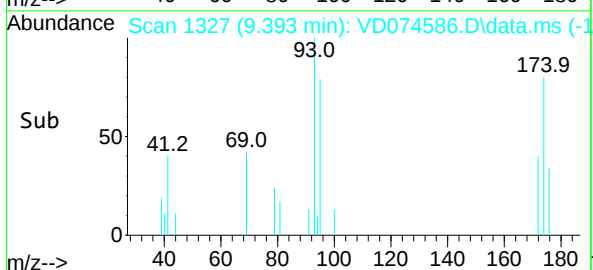
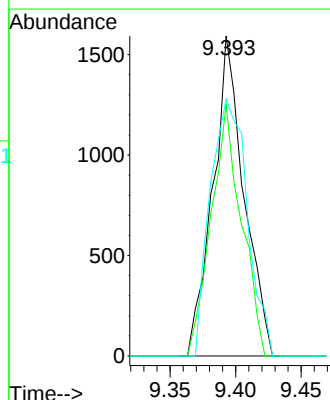
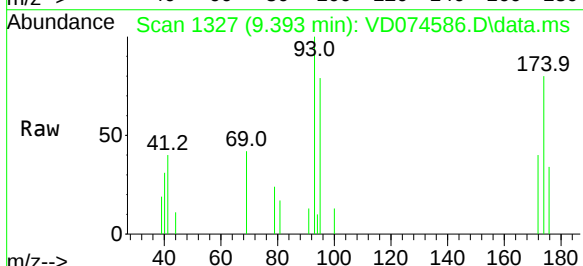
Tgt Ion: 93 Resp: 2622

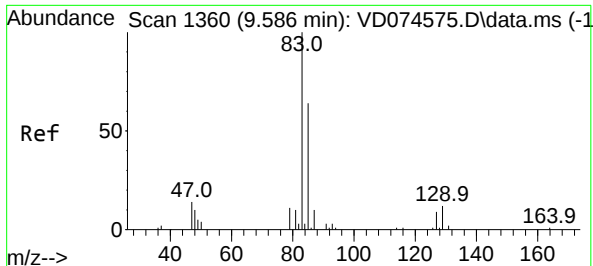
Ion Ratio Lower Upper

93 100

95 76.5 68.2 102.2

174 95.5 87.4 131.0





#47

Bromodichloromethane

Concen: 5.110 ug/l

RT: 9.581 min Scan# 1359

Delta R.T. -0.006 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

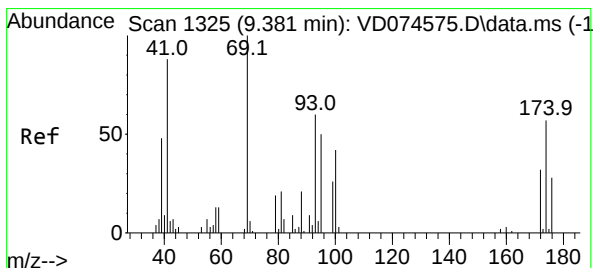
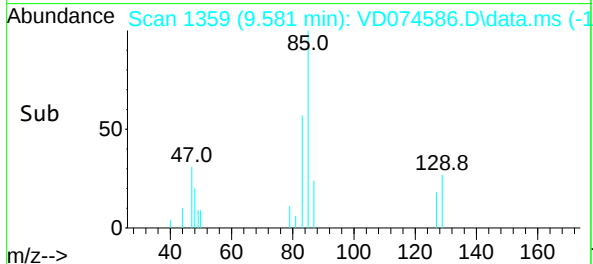
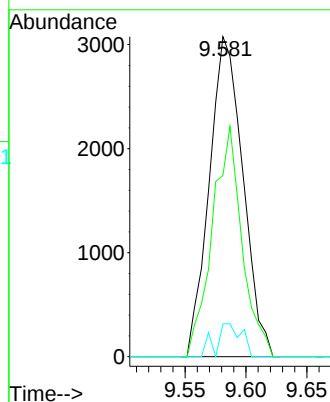
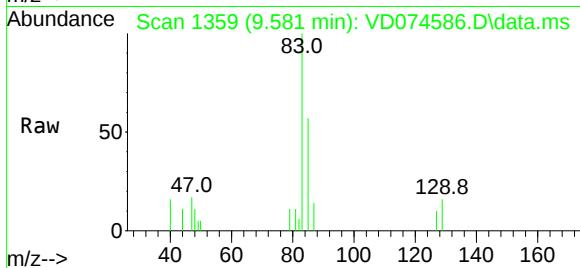
Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion: 83	Resp: 5918
Ion Ratio	Lower Upper
83 100	
85 56.6	48.8 73.2
127 10.3	6.7 10.1



#48

Methyl methacrylate

Concen: 5.708 ug/l

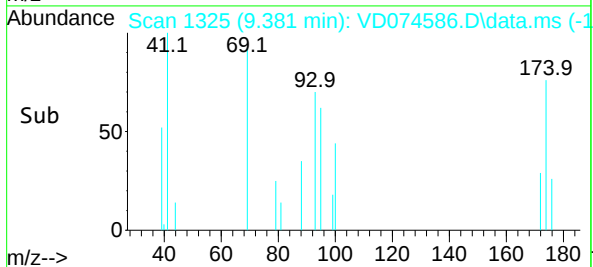
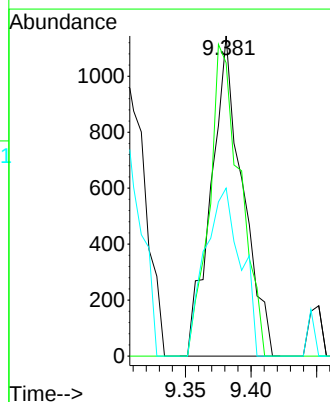
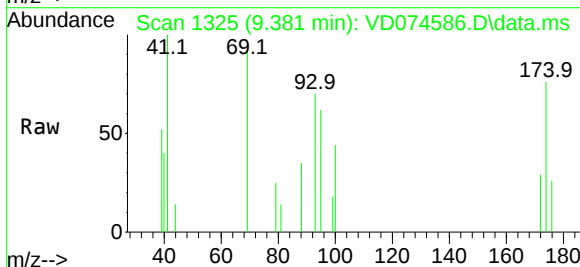
RT: 9.381 min Scan# 1325

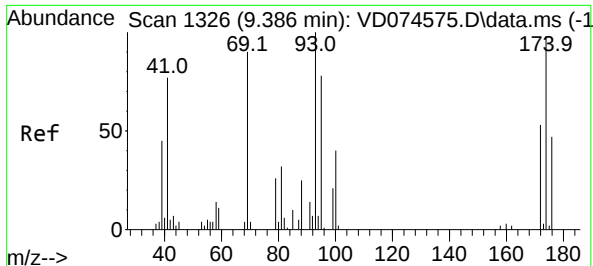
Delta R.T. 0.000 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

Tgt Ion: 41	Resp: 1905
Ion Ratio	Lower Upper
41 100	
69 96.1	93.0 139.4
39 59.8	44.6 66.8





#49

1,4-Dioxane

Concen: 80.533 ug/l

RT: 9.381 min Scan# 1

Delta R.T. -0.006 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2022

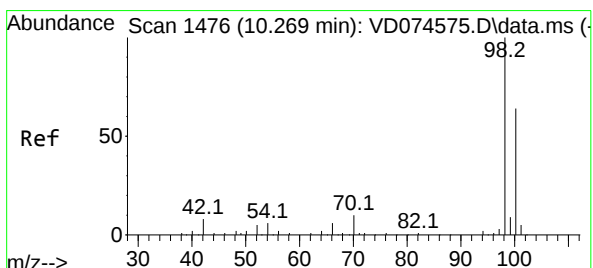
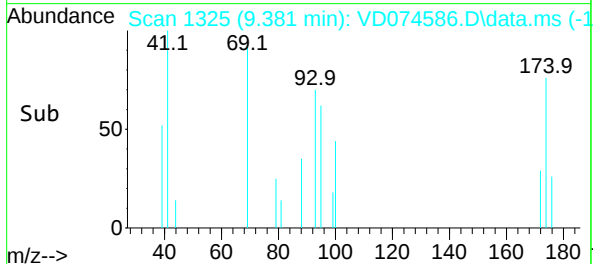
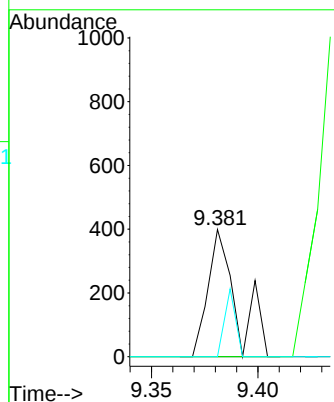
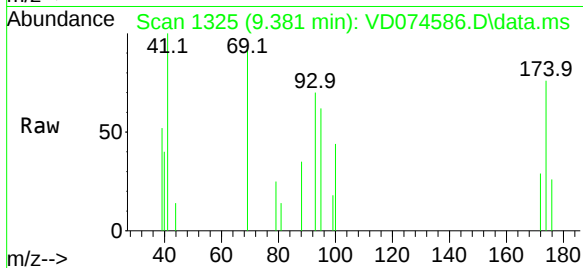
Tgt Ion: 88 Resp: 371

Ion Ratio Lower Upper

88 100

43 0.0 24.1 36.1#

58 20.2 43.1 64.7#



#50

Toluene-d8

Concen: 50.221 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. 0.000 min

Lab File: VD074586.D

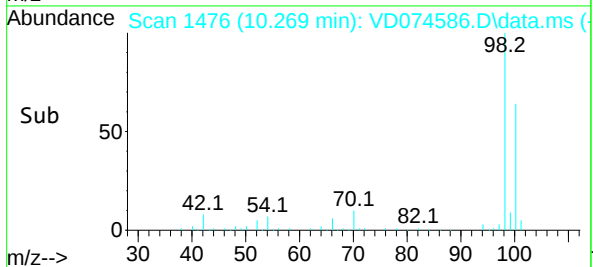
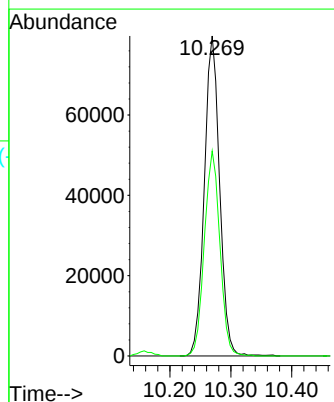
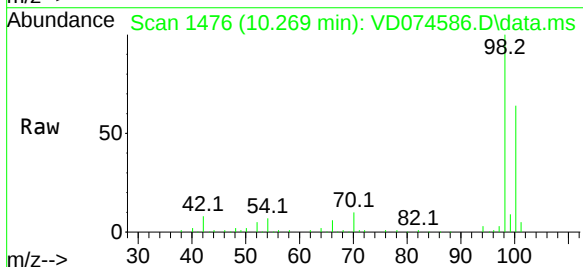
Acq: 19 Oct 2022 18:34

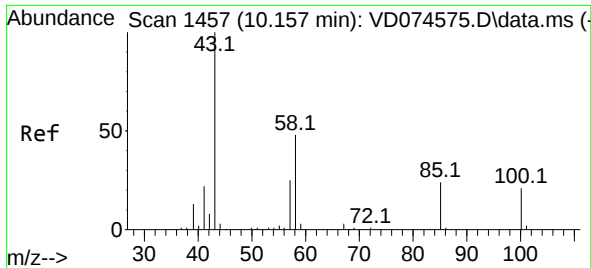
Tgt Ion: 98 Resp: 139356

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0

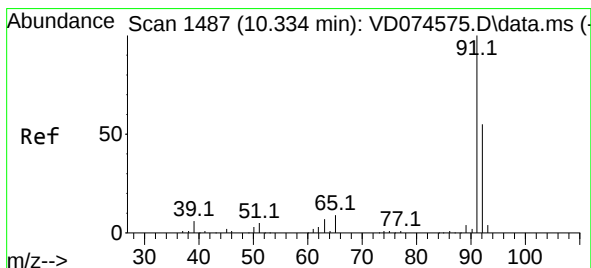
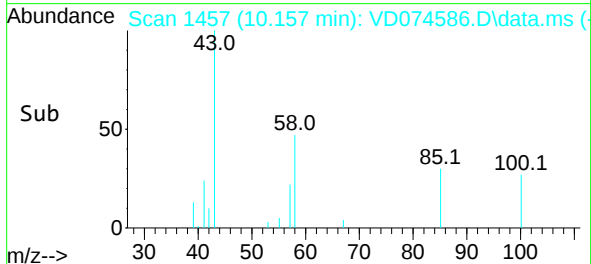
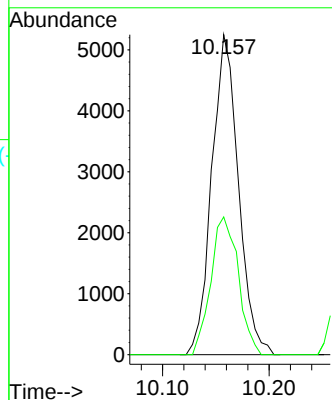
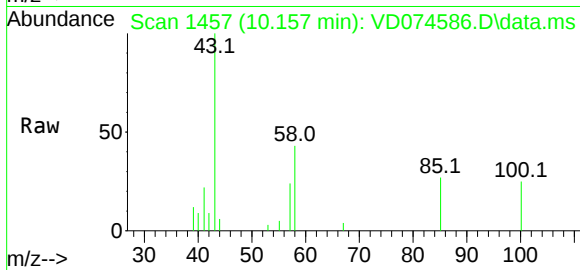




#51
4-Methyl-2-Pentanone
Concen: 25.086 ug/l
RT: 10.157 min Scan# 1457
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

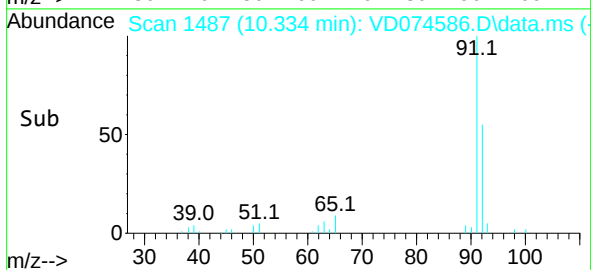
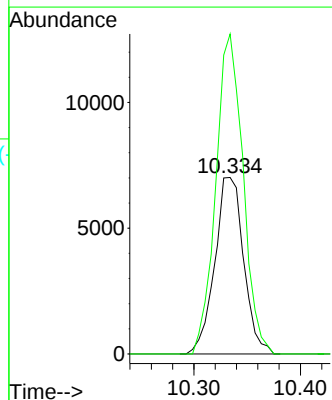
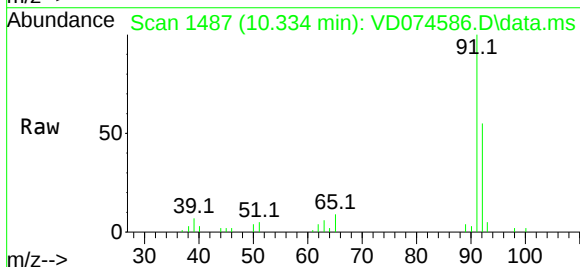
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

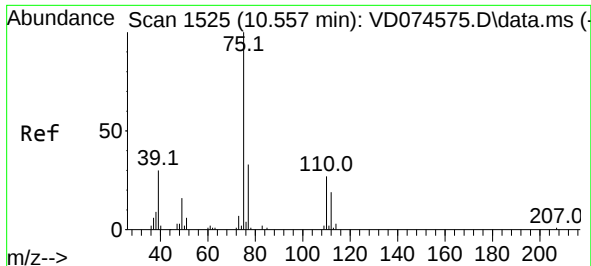
Tgt Ion: 43 Resp: 9112
Ion Ratio Lower Upper
43 100
58 44.3 37.8 56.6



#52
Toluene
Concen: 5.791 ug/l
RT: 10.334 min Scan# 1487
Delta R.T. -0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 92 Resp: 13201
Ion Ratio Lower Upper
92 100
91 171.2 139.0 208.4

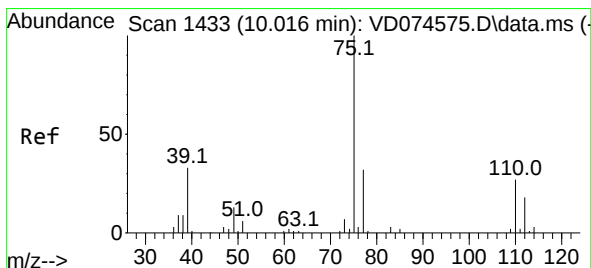
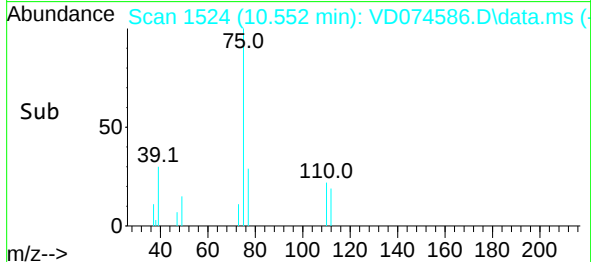
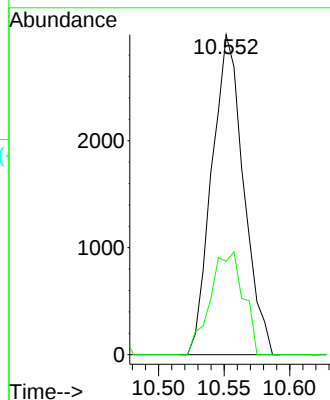
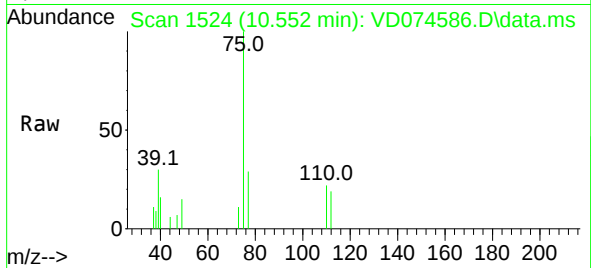




#53
 t-1,3-Dichloropropene
 Concen: 4.948 ug/l
 RT: 10.552 min Scan# 11
 Delta R.T. 0.001 min
 Lab File: VD074586.D
 Acq: 19 Oct 2022 18:34

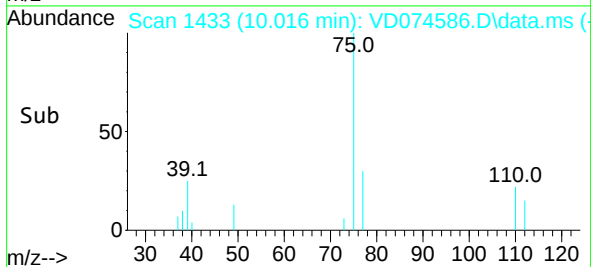
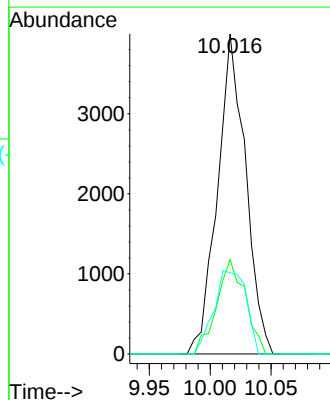
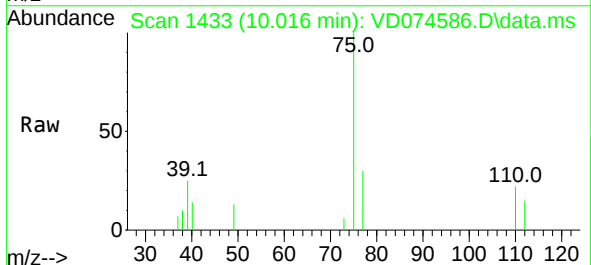
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

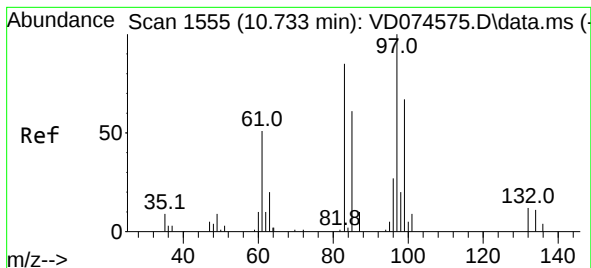
Tgt Ion: 75 Resp: 5038
 Ion Ratio Lower Upper
 75 100
 77 29.1 25.6 38.4



#54
 cis-1,3-Dichloropropene
 Concen: 5.007 ug/l
 RT: 10.016 min Scan# 1433
 Delta R.T. 0.000 min
 Lab File: VD074586.D
 Acq: 19 Oct 2022 18:34

Tgt Ion: 75 Resp: 6428
 Ion Ratio Lower Upper
 75 100
 77 29.5 24.7 37.1
 39 25.4 25.4 38.2#





#55

1,1,2-Trichloroethane

Concen: 5.643 ug/l

RT: 10.728 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion: 97 Resp: 3629

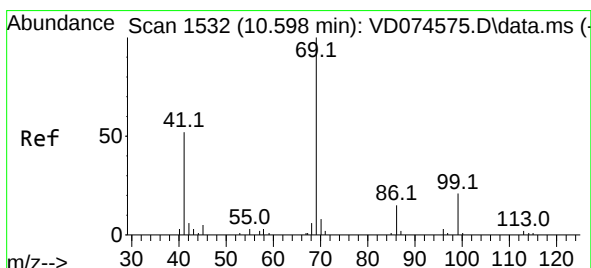
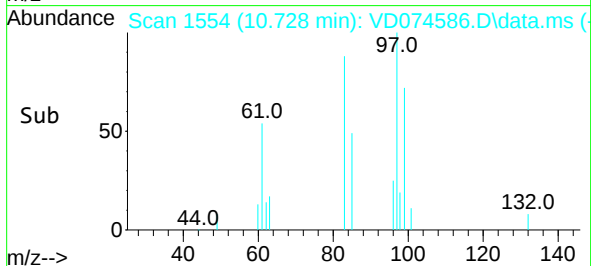
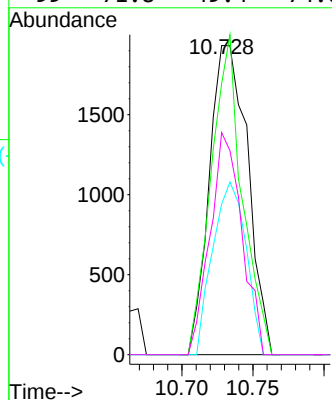
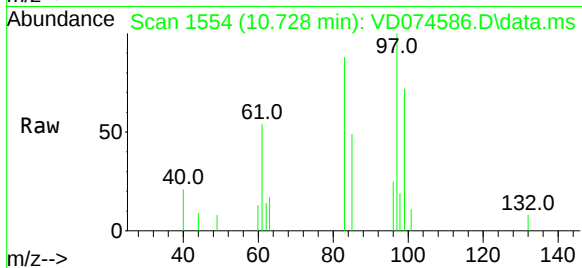
Ion Ratio Lower Upper

97 100

83 87.6 64.8 97.2

85 48.7 44.8 67.2

99 71.8 49.4 74.0



#56

Ethyl methacrylate

Concen: 5.054 ug/l

RT: 10.593 min Scan# 1531

Delta R.T. -0.000 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

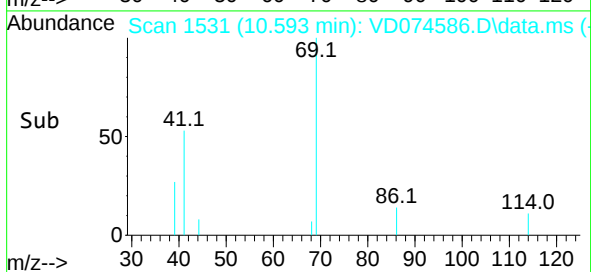
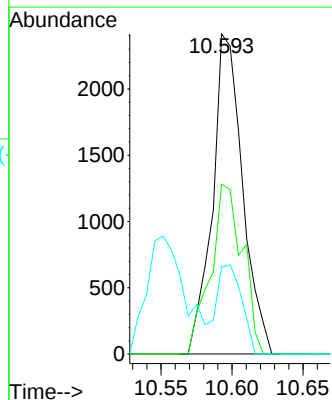
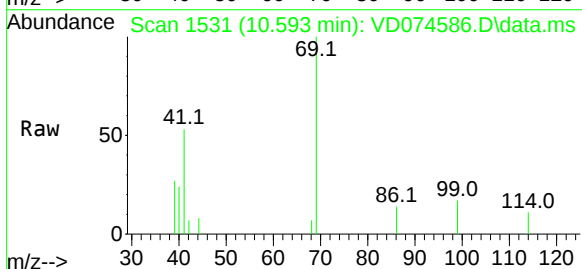
Tgt Ion: 69 Resp: 3553

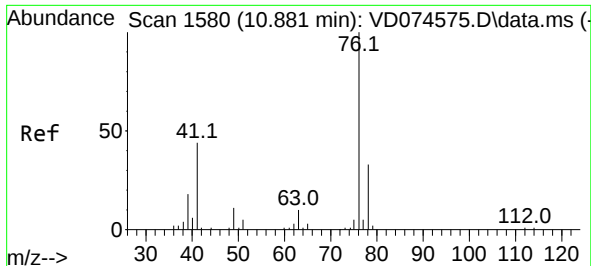
Ion Ratio Lower Upper

69 100

41 56.5 38.6 58.0

39 23.6 19.9 29.9





#57

1,3-Dichloropropane

Concen: 5.276 ug/l

RT: 10.881 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

Instrument :

MSVOA_D

ClientSampleId :

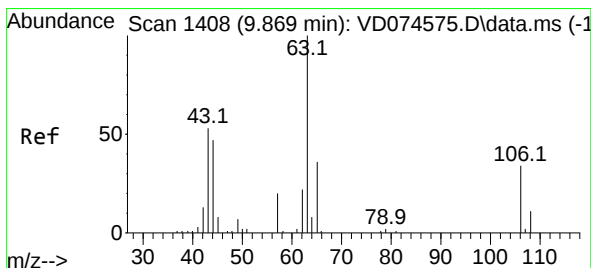
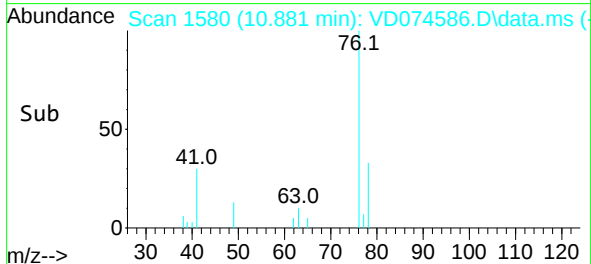
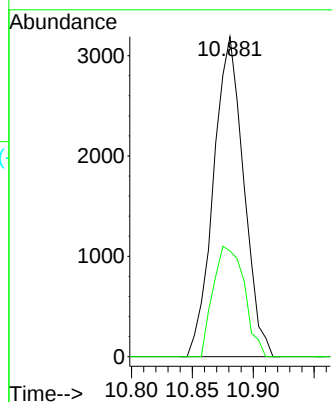
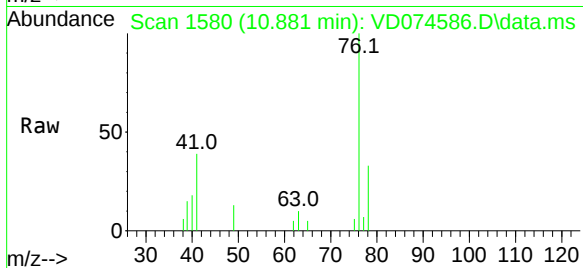
LOQ-SOIL-02-QT4-2022

Tgt Ion: 76 Resp: 5504

Ion Ratio Lower Upper

76 100

78 35.5 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 49.084 ug/l

RT: 9.863 min Scan# 1407

Delta R.T. -0.006 min

Lab File: VD074586.D

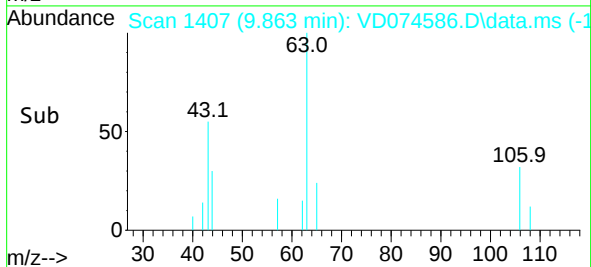
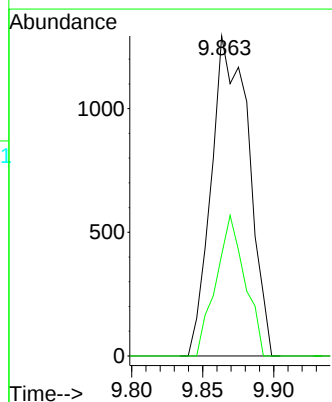
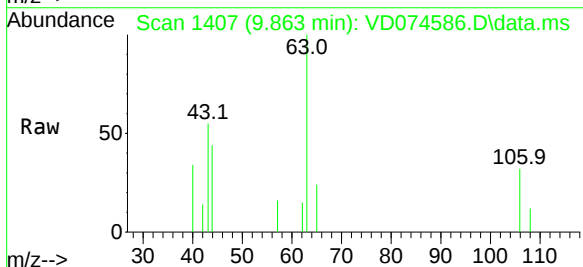
Acq: 19 Oct 2022 18:34

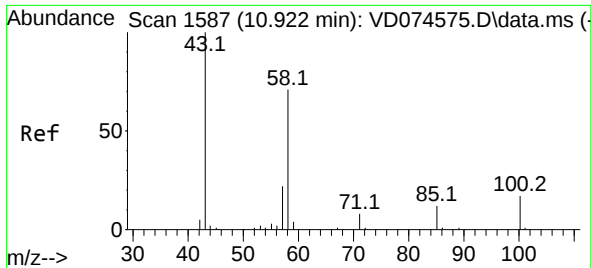
Tgt Ion: 63 Resp: 2367

Ion Ratio Lower Upper

63 100

106 33.9 26.5 39.7

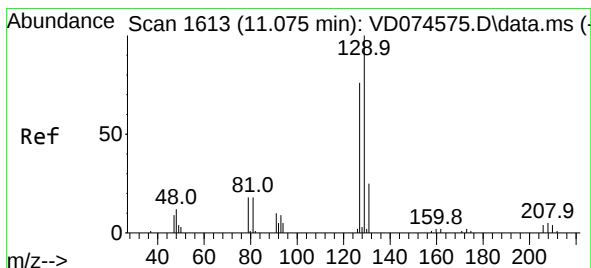
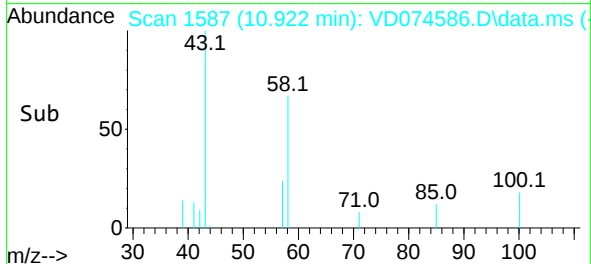
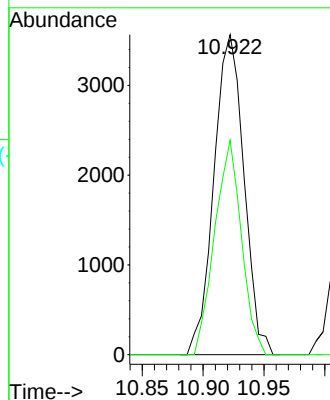
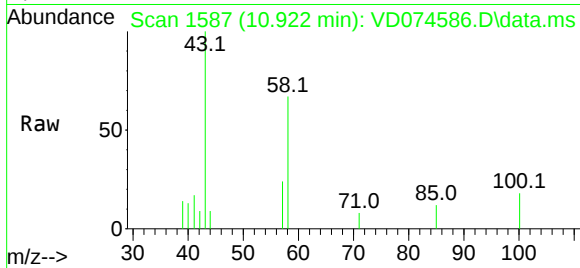




#59
2-Hexanone
Concen: 24.665 ug/l
RT: 10.922 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

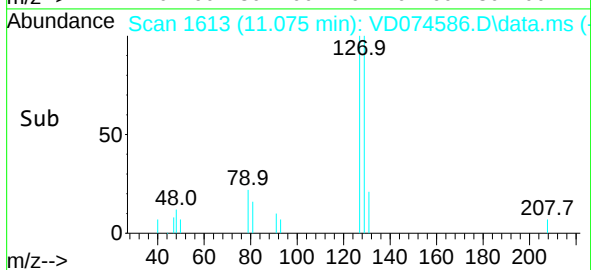
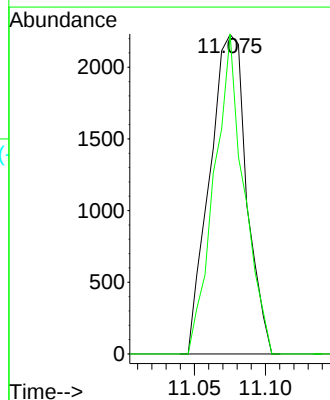
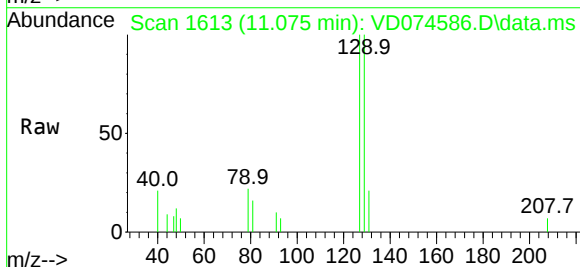
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

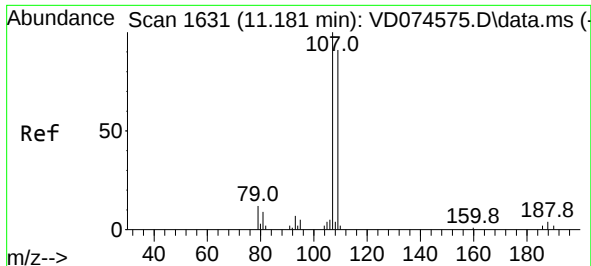
Tgt Ion: 43 Resp: 6115
Ion Ratio Lower Upper
43 100
58 59.8 32.0 96.2



#60
Dibromochloromethane
Concen: 5.191 ug/l
RT: 11.075 min Scan# 1613
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 129 Resp: 4024
Ion Ratio Lower Upper
129 100
127 80.9 39.1 117.2

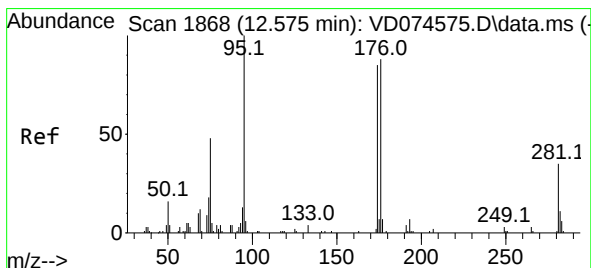
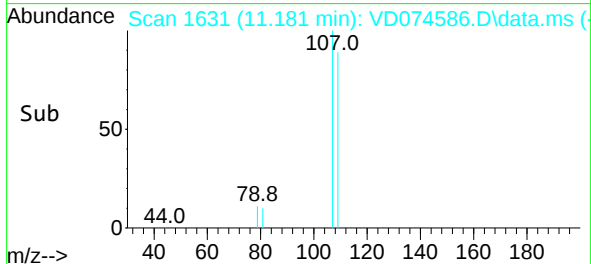
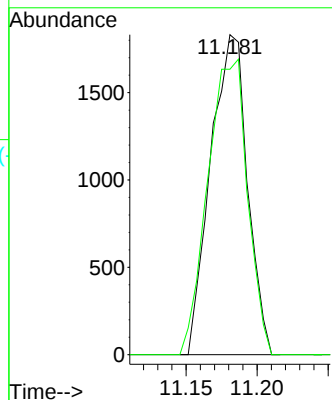
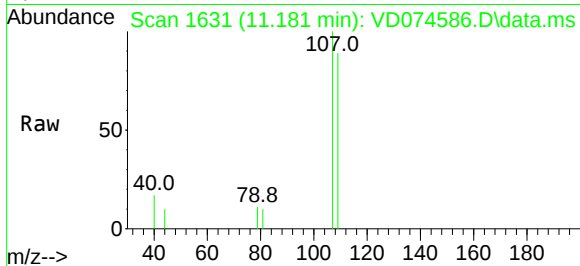




#61
1,2-Dibromoethane
Concen: 5.631 ug/l
RT: 11.181 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

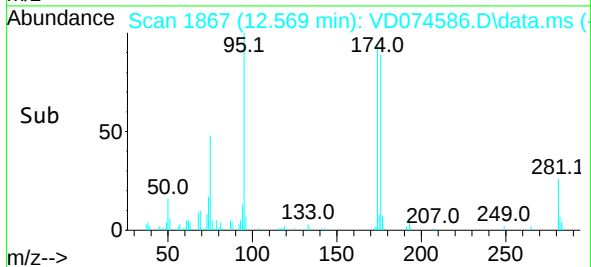
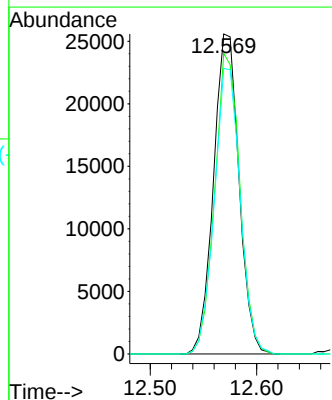
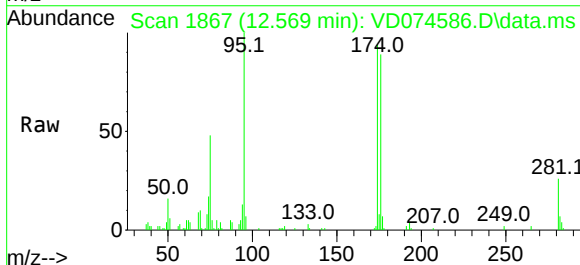
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

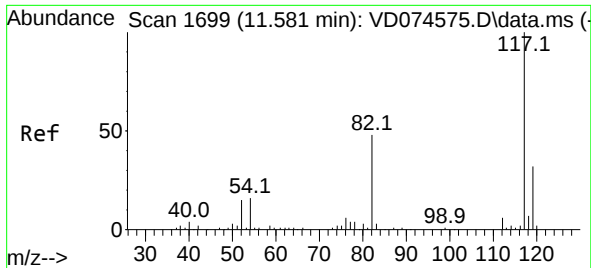
Tgt Ion:107 Resp: 3306
Ion Ratio Lower Upper
107 100
109 99.4 74.6 111.8



#62
4-Bromofluorobenzene
Concen: 53.261 ug/l
RT: 12.569 min Scan# 1867
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 95 Resp: 42416
Ion Ratio Lower Upper
95 100
174 93.3 0.0 197.0
176 90.4 0.0 182.6

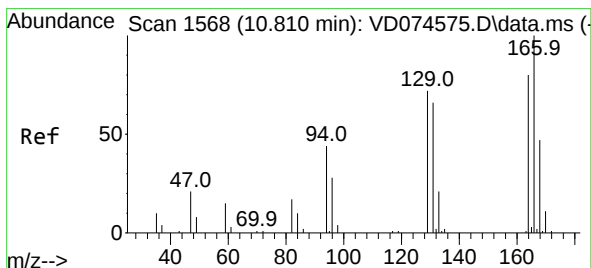
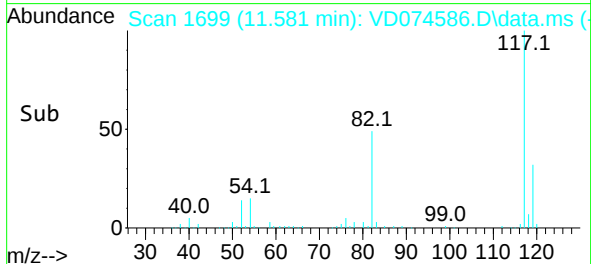
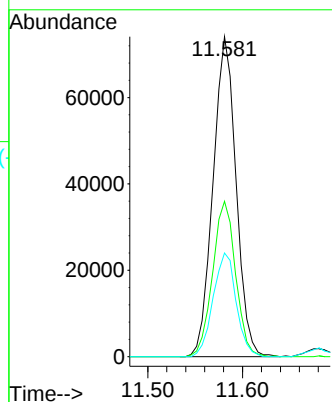
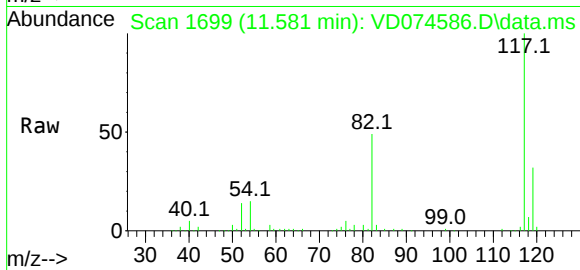




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

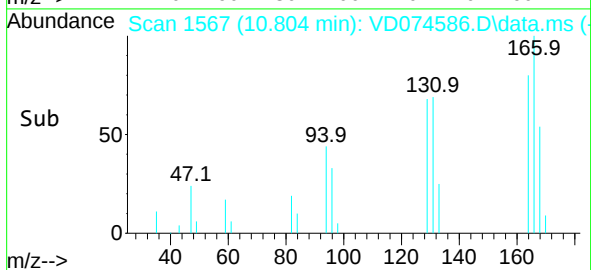
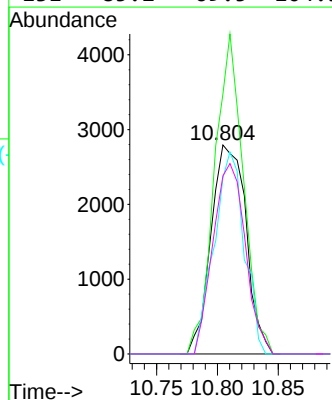
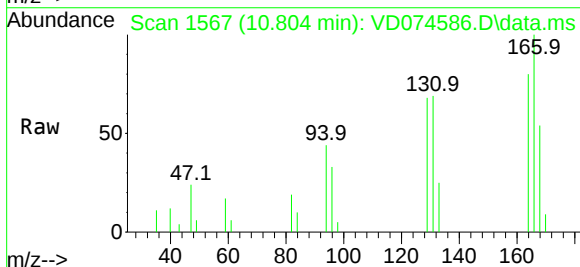
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

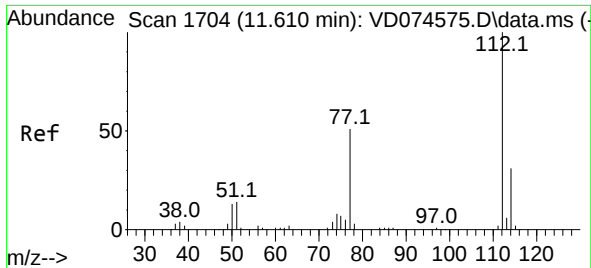
Tgt Ion:117 Resp: 125025
Ion Ratio Lower Upper
117 100
82 48.6 41.6 62.4
119 32.4 25.2 37.8



#64
Tetrachloroethene
Concen: 6.023 ug/l
RT: 10.804 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion:164 Resp: 5566
Ion Ratio Lower Upper
164 100
166 124.3 107.8 161.8
129 84.3 77.4 116.2
131 85.2 69.5 104.3

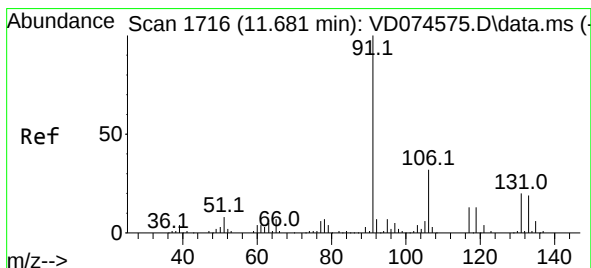
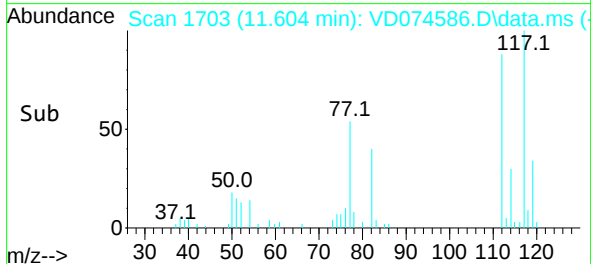
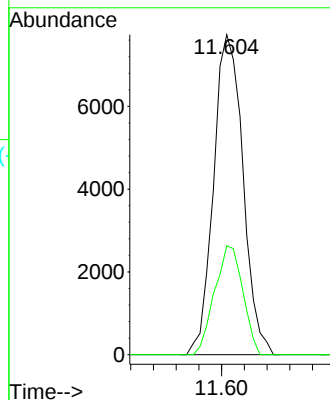
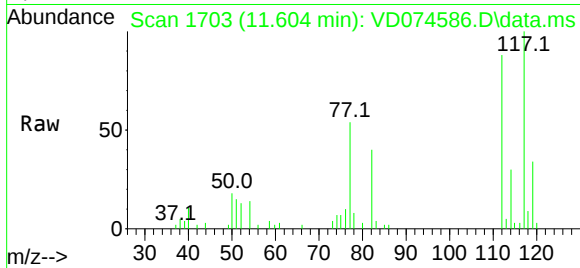




#65
Chlorobenzene
Concen: 5.274 ug/l
RT: 11.604 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

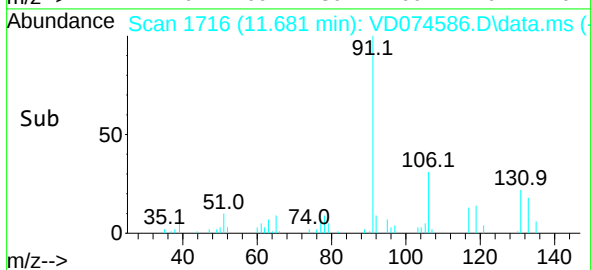
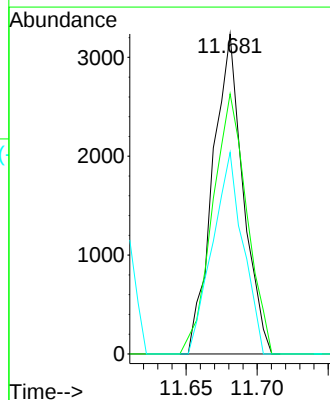
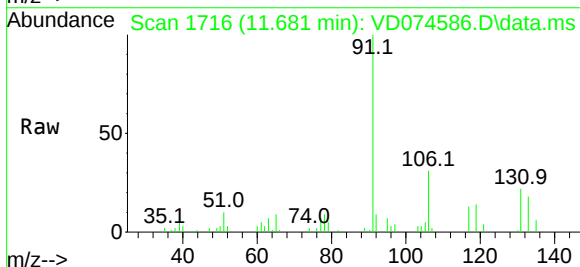
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

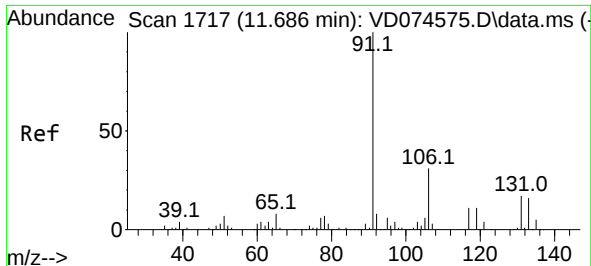
Tgt Ion:112 Resp: 13889
Ion Ratio Lower Upper
112 100
114 34.0 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 5.311 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion:131 Resp: 4805
Ion Ratio Lower Upper
131 100
133 91.9 46.6 139.8
119 63.3 32.5 97.4

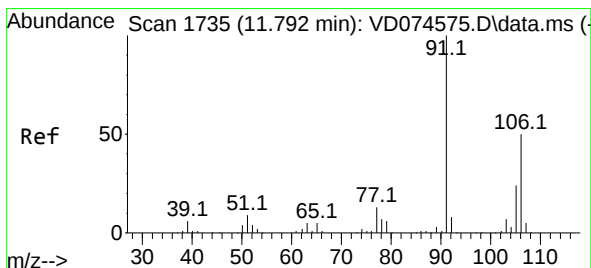
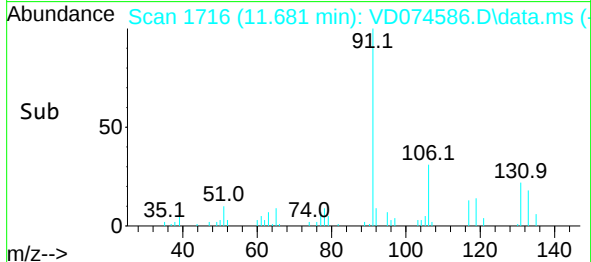
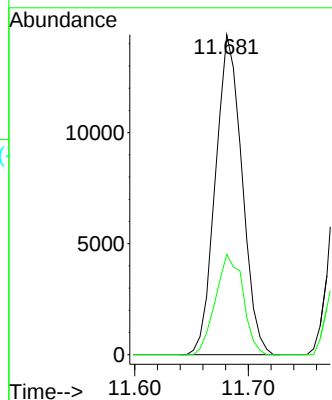
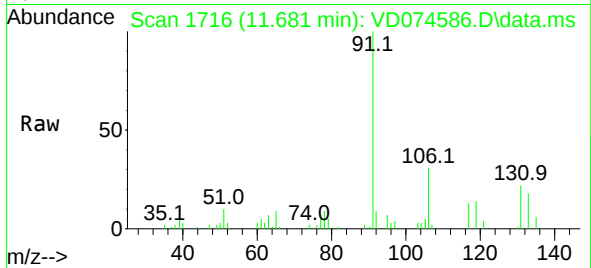




#67
Ethyl Benzene
Concen: 5.109 ug/l
RT: 11.681 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

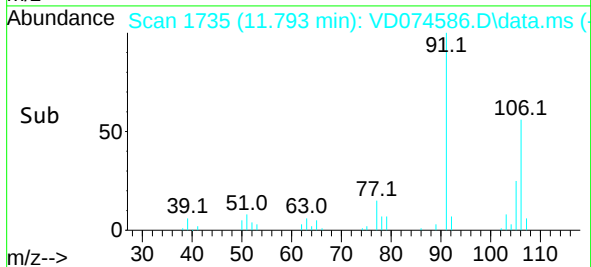
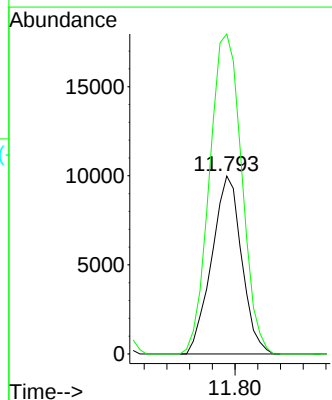
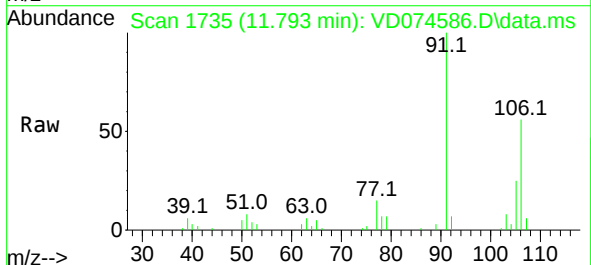
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

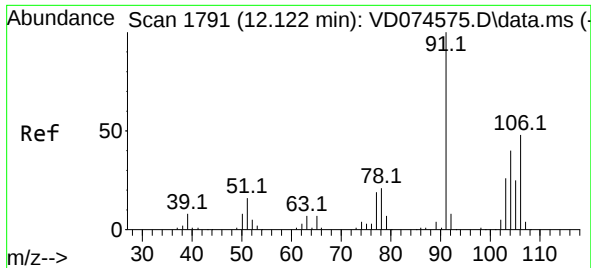
Tgt Ion: 91 Resp: 23428
Ion Ratio Lower Upper
91 100
106 31.4 26.6 40.0



#68
m/p-Xylenes
Concen: 10.021 ug/l
RT: 11.793 min Scan# 1735
Delta R.T. -0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 106 Resp: 18271
Ion Ratio Lower Upper
106 100
91 193.4 156.2 234.4

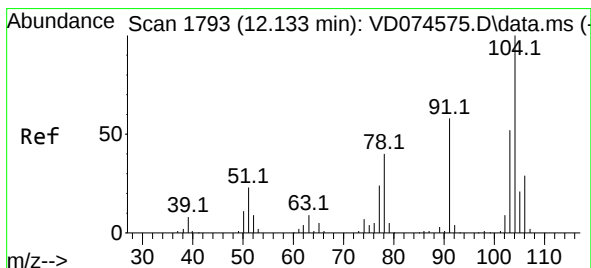
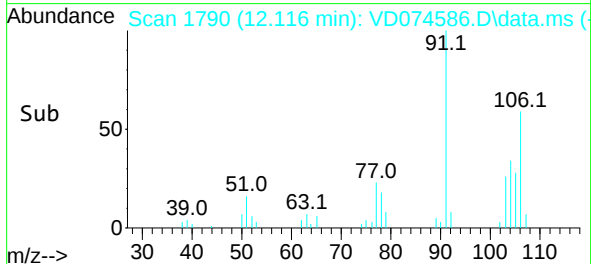
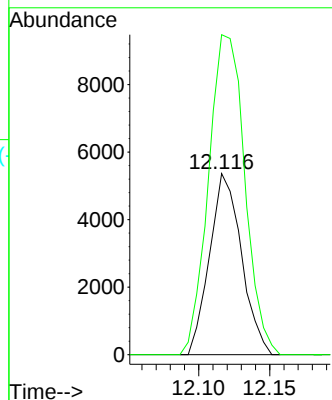
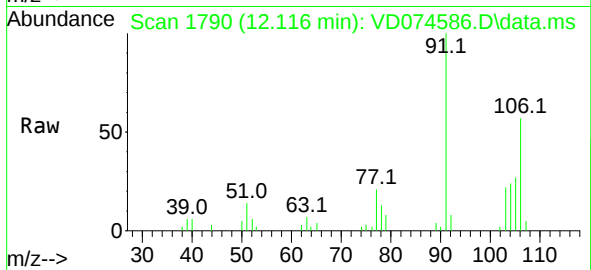




#69
o-Xylene
Concen: 4.929 ug/l
RT: 12.116 min Scan# 1790
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

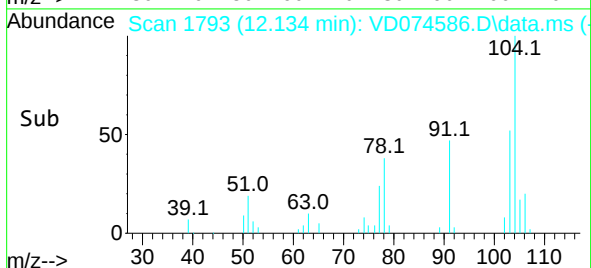
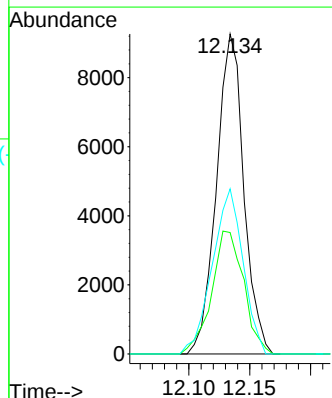
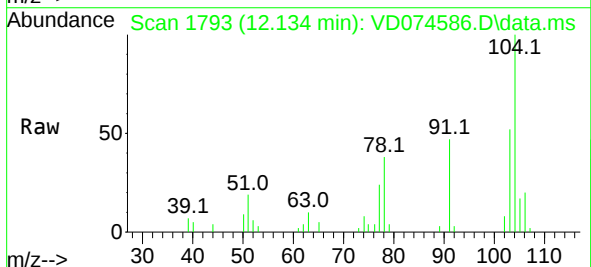
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

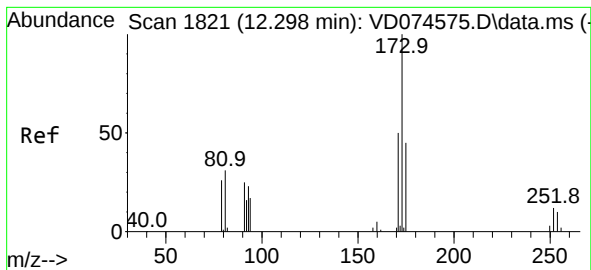
Tgt Ion:106 Resp: 8365
Ion Ratio Lower Upper
106 100
91 201.0 104.5 313.3



#70
Styrene
Concen: 5.072 ug/l
RT: 12.134 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion:104 Resp: 14494
Ion Ratio Lower Upper
104 100
78 44.8 35.7 53.5
103 57.8 43.7 65.5





#71

Bromoform

Concen: 5.164 ug/l

RT: 12.299 min Scan# 1821

Delta R.T. 0.007 min

Lab File: VD074586.D

Acq: 19 Oct 2022 18:34

Instrument :

MSVOA_D

ClientSampleId :

LOQ-SOIL-02-QT4-2022

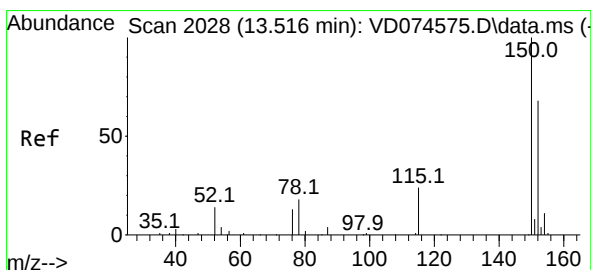
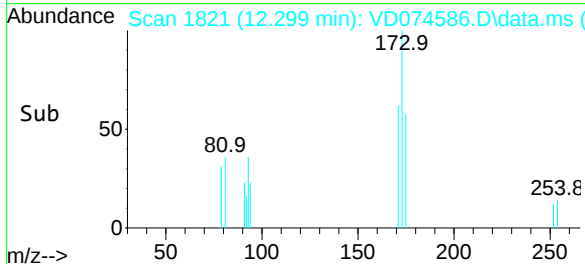
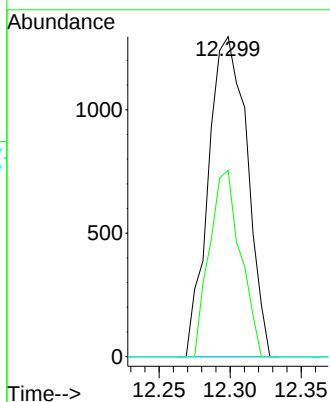
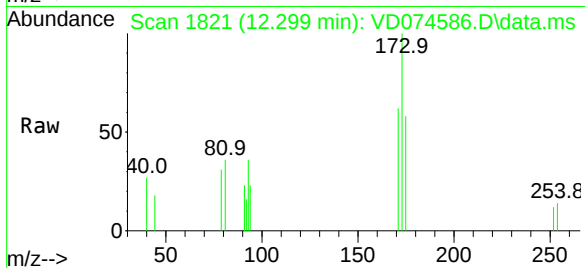
Tgt Ion:173 Resp: 2453

Ion Ratio Lower Upper

173 100

175 46.7 23.1 69.3

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: VD074586.D

Acq: 19 Oct 2022 18:34

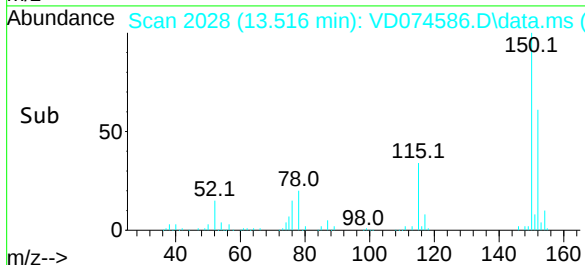
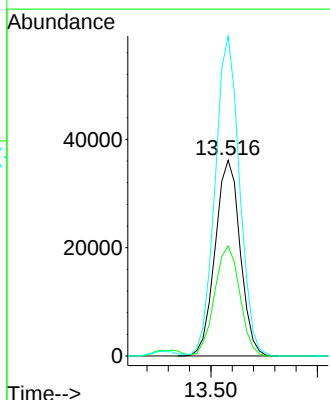
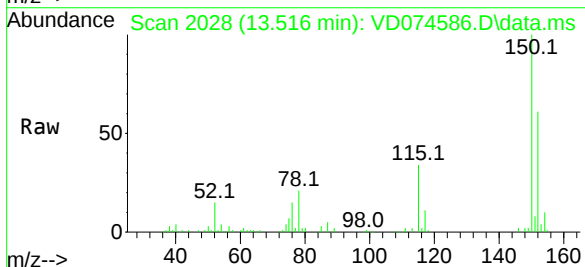
Tgt Ion:152 Resp: 58817

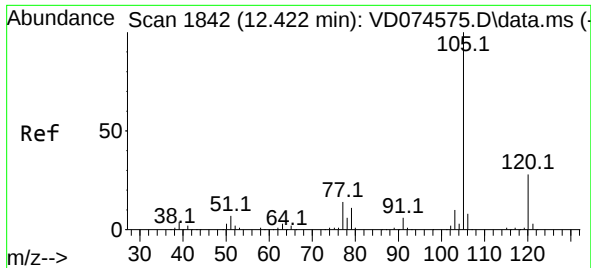
Ion Ratio Lower Upper

152 100

115 56.7 26.8 80.4

150 159.2 0.0 348.2

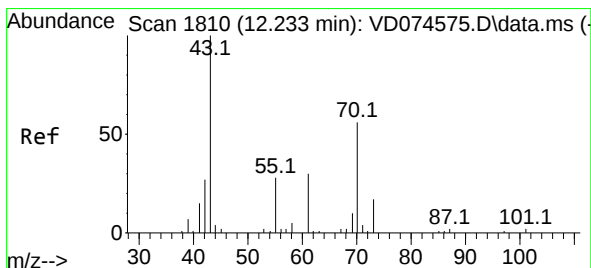
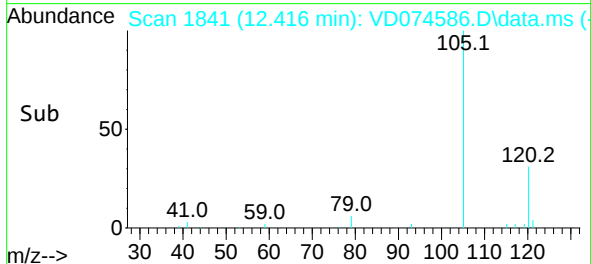
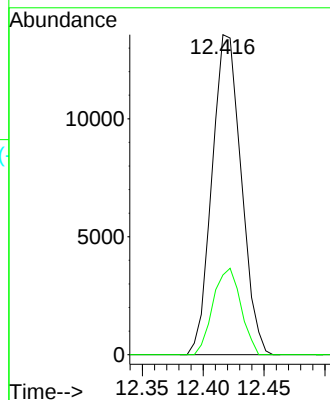
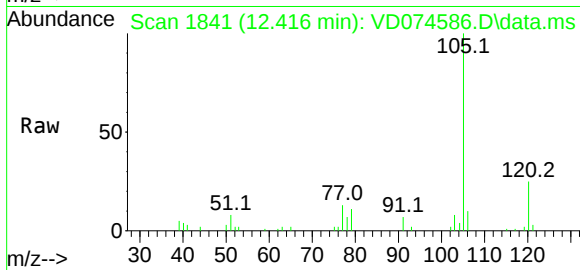




#73
Isopropylbenzene
Concen: 4.927 ug/l
RT: 12.416 min Scan# 1842
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

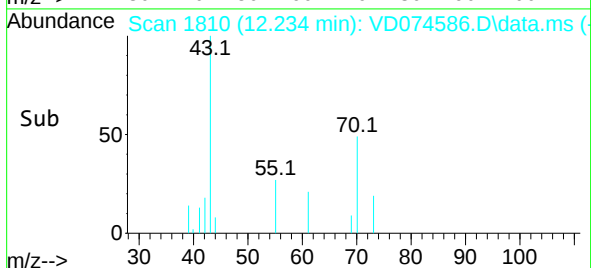
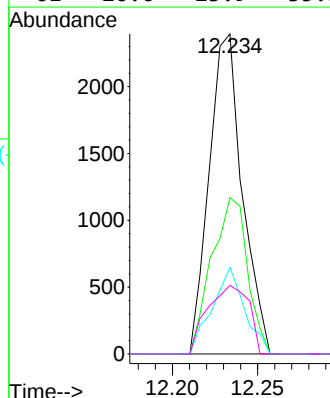
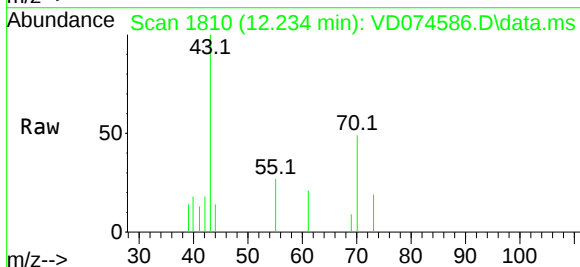
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

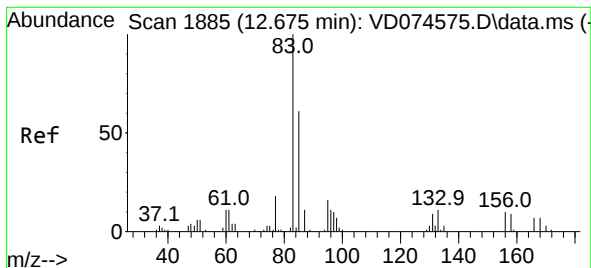
Tgt Ion:105 Resp: 22600
Ion Ratio Lower Upper
105 100
120 25.6 13.5 40.4



#74
N-ethyl acetate
Concen: 4.777 ug/l
RT: 12.234 min Scan# 1810
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 43 Resp: 3239
Ion Ratio Lower Upper
43 100
70 52.5 43.8 65.6
55 26.4 22.0 33.0
61 26.6 23.9 35.9

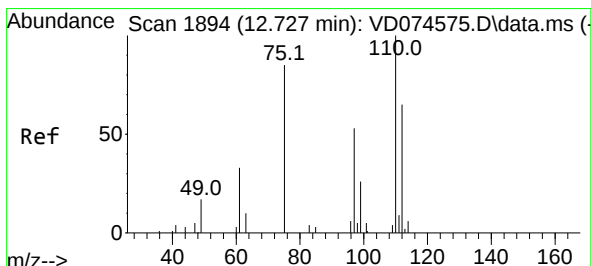
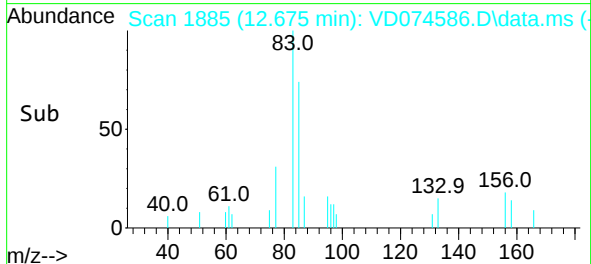
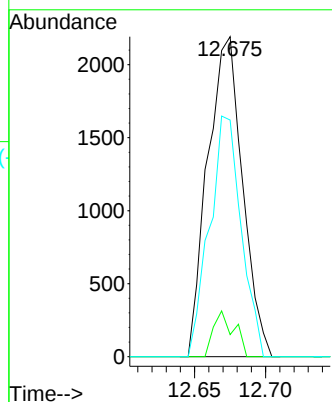
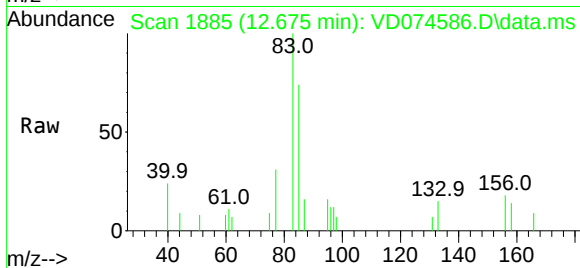




#75
1,1,2,2-Tetrachloroethane
Concen: 5.145 ug/l
RT: 12.675 min Scan# 1885
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

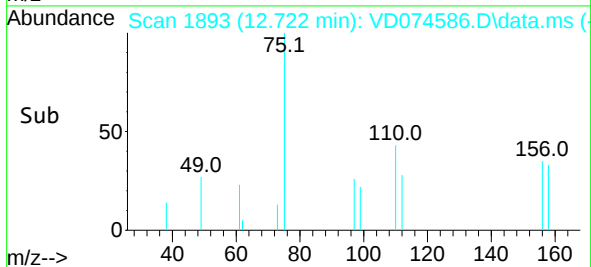
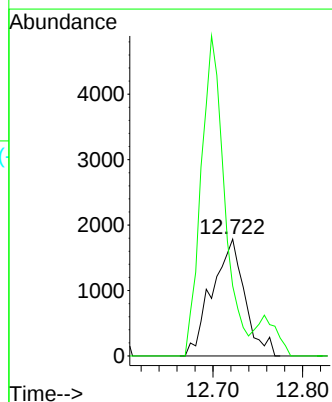
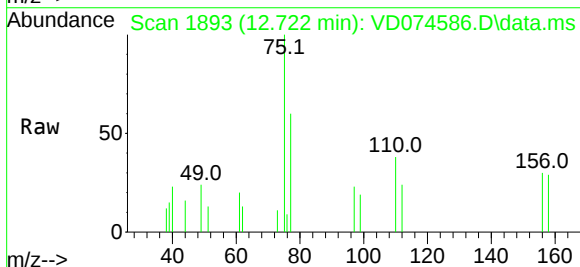
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2022

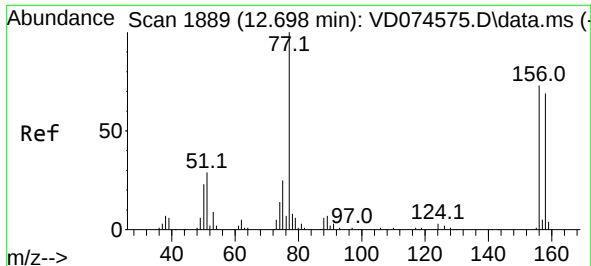
Tgt Ion: 83 Resp: 3736
Ion Ratio Lower Upper
83 100
131 8.4 4.7 14.1
85 68.3 33.1 99.2



#76
1,2,3-Trichloropropane
Concen: 8.764 ug/l
RT: 12.722 min Scan# 1893
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 75 Resp: 4501
Ion Ratio Lower Upper
75 100
77 0.0 185.8 557.5#

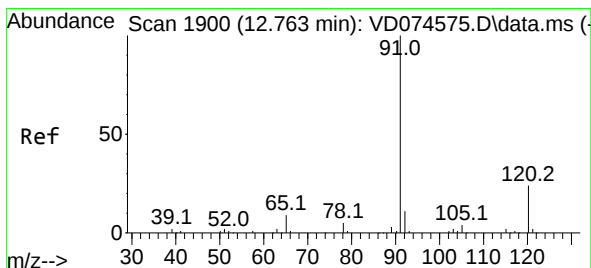
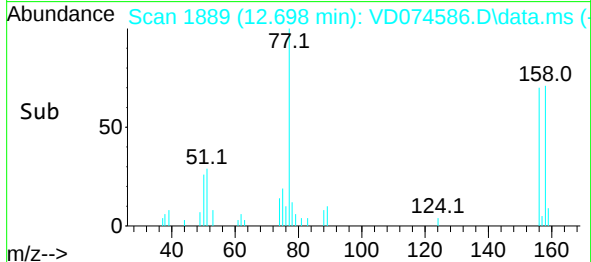
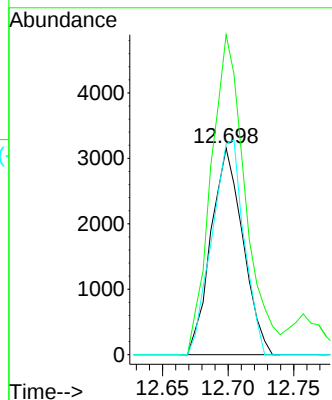
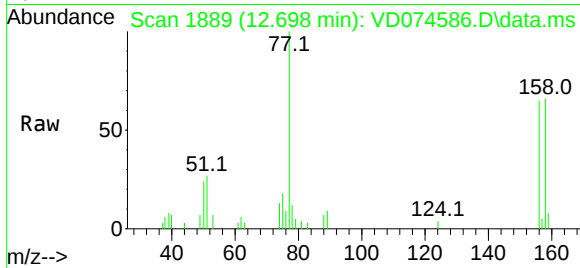




#77
Bromobenzene
Concen: 5.170 ug/l
RT: 12.698 min Scan# 1889
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

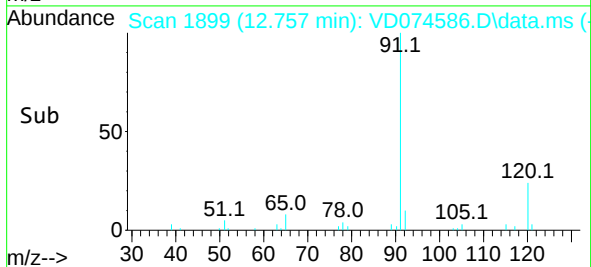
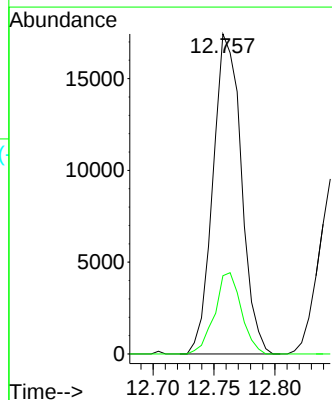
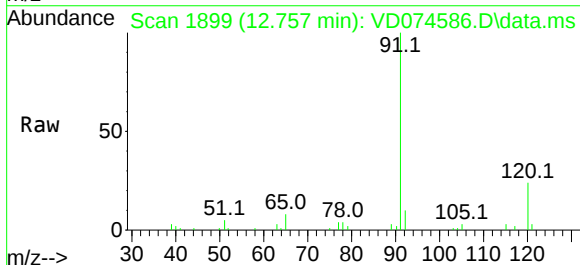
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

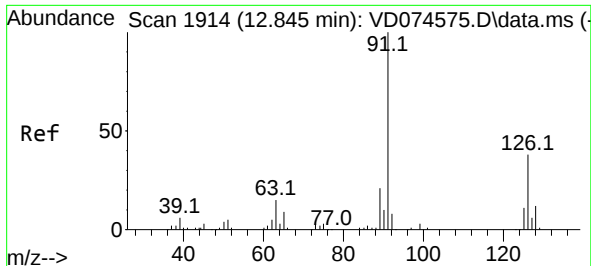
Tgt Ion:156 Resp: 5352
Ion Ratio Lower Upper
156 100
77 166.0 77.7 233.1
158 104.0 49.4 148.2



#78
n-propylbenzene
Concen: 5.198 ug/l
RT: 12.757 min Scan# 1899
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 91 Resp: 28177
Ion Ratio Lower Upper
91 100
120 23.9 11.9 35.7

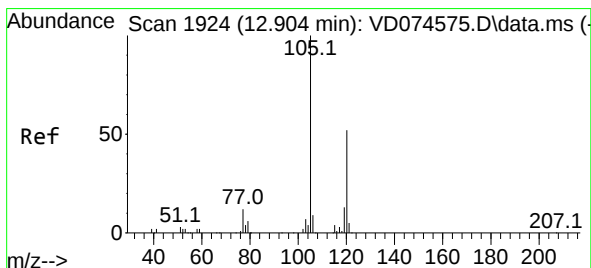
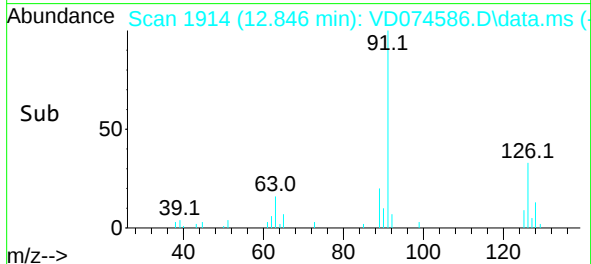
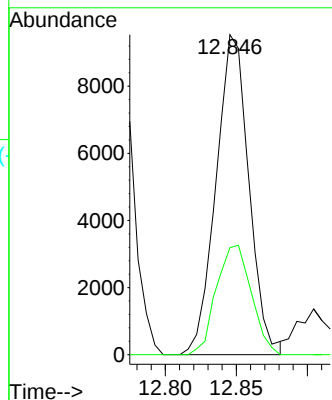
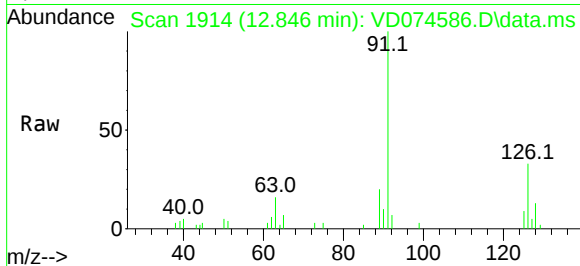




#79
2-Chlorotoluene
Concen: 5.229 ug/l
RT: 12.846 min Scan# 1914
Delta R.T. 0.001 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

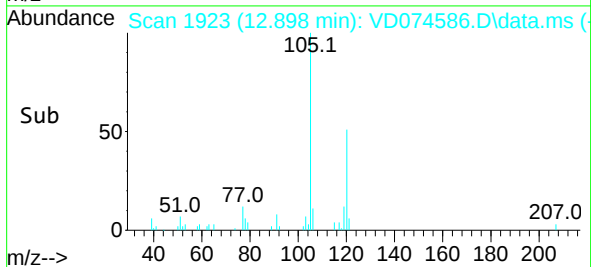
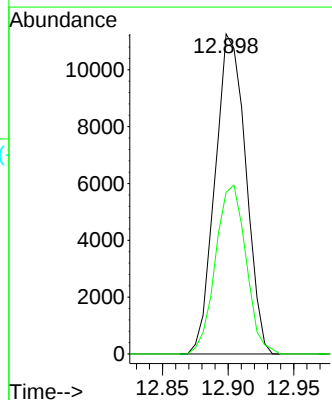
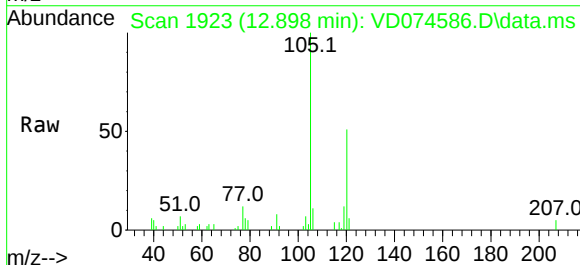
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

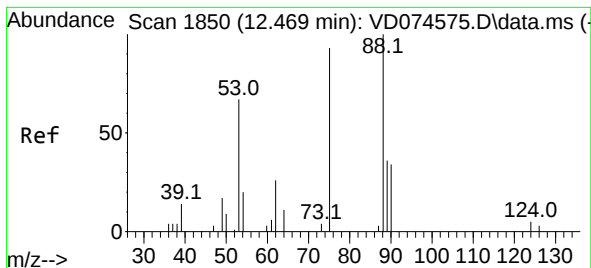
Tgt Ion: 91 Resp: 15357
Ion Ratio Lower Upper
91 100
126 36.4 18.3 54.8



#80
1,3,5-Trimethylbenzene
Concen: 4.914 ug/l
RT: 12.898 min Scan# 1923
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 105 Resp: 18299
Ion Ratio Lower Upper
105 100
120 52.4 25.7 77.0

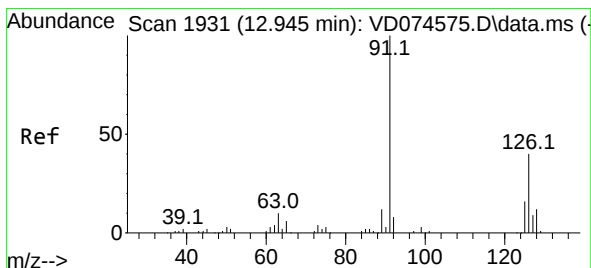
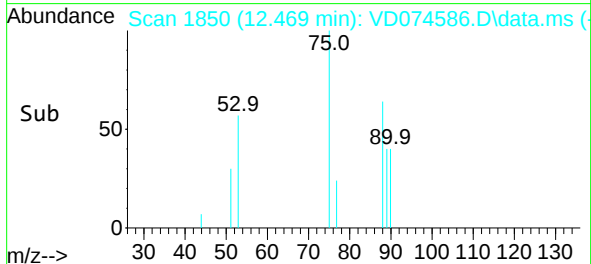
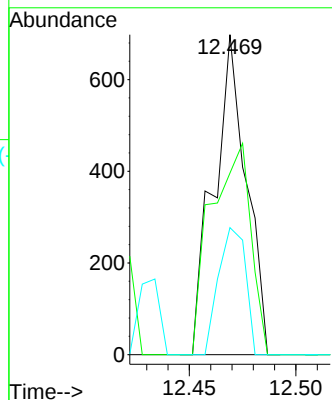
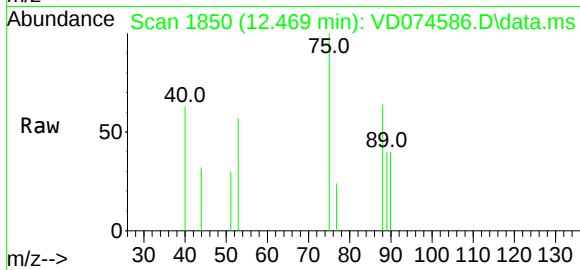




#81
trans-1,4-Dichloro-2-butene
Concen: 3.692 ug/l
RT: 12.469 min Scan# 1850
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

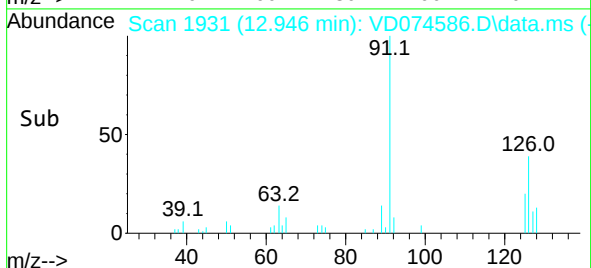
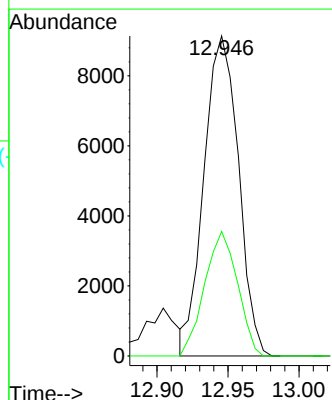
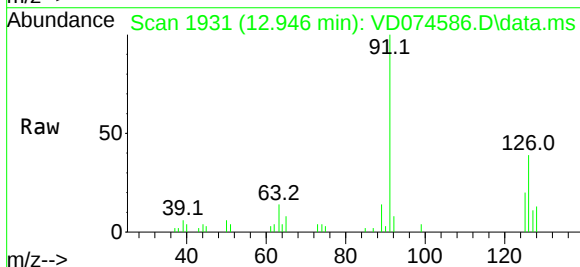
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

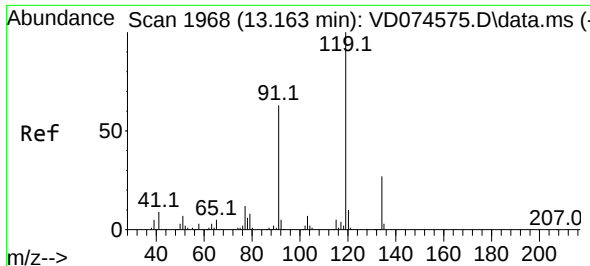
Tgt Ion: 75 Resp: 742
Ion Ratio Lower Upper
75 100
53 80.6 63.8 95.6
89 32.9 38.2 57.4#



#82
4-Chlorotoluene
Concen: 5.107 ug/l
RT: 12.946 min Scan# 1931
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 91 Resp: 15410
Ion Ratio Lower Upper
91 100
126 37.1 18.8 56.4

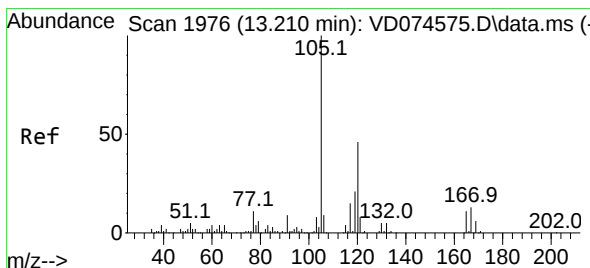
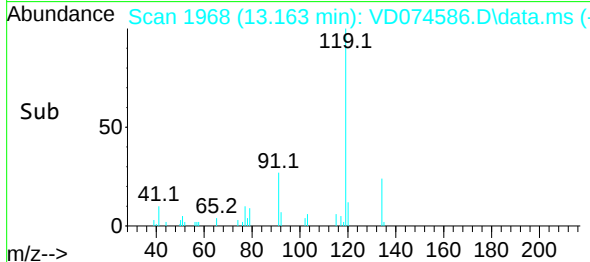
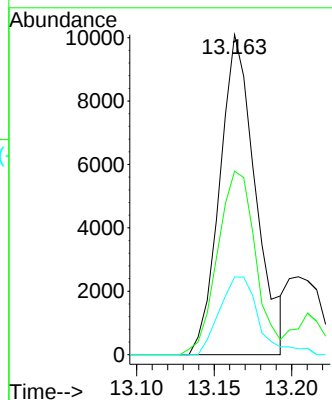
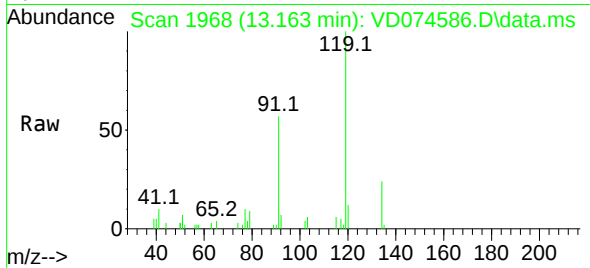




#83
tert-Butylbenzene
Concen: 4.883 ug/l
RT: 13.163 min Scan# 1968
Delta R.T. 0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

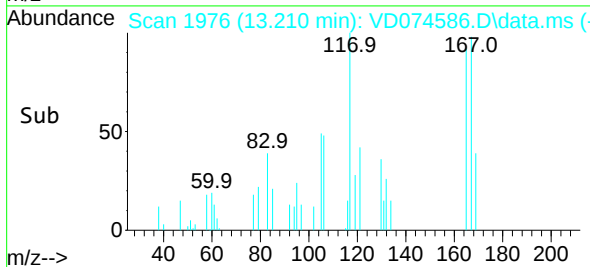
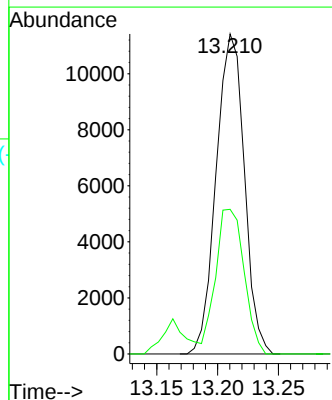
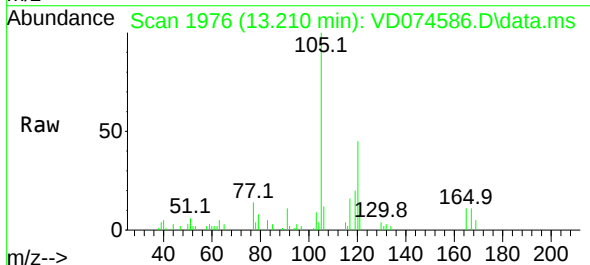
Instrument : MSVOA_D
ClientSampleId : LOQ-SOIL-02-QT4-2022

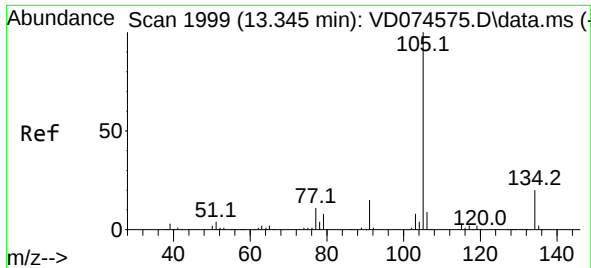
Tgt Ion:	119	Resp:	16220
Ion	Ratio	Lower	Upper
119	100		
91	60.8	30.0	90.0
134	26.6	13.4	40.1



#84
1,2,4-Trimethylbenzene
Concen: 5.013 ug/l
RT: 13.210 min Scan# 1976
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion:	105	Resp:	18368
Ion	Ratio	Lower	Upper
105	100		
120	45.5	22.9	68.7

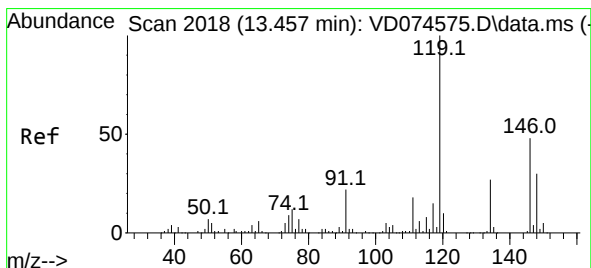
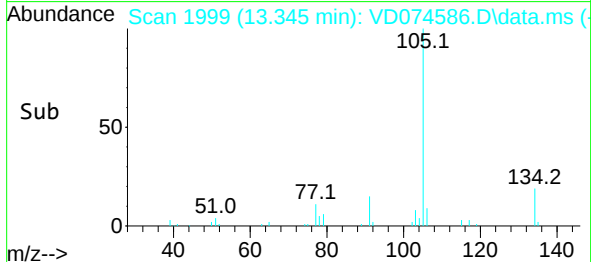
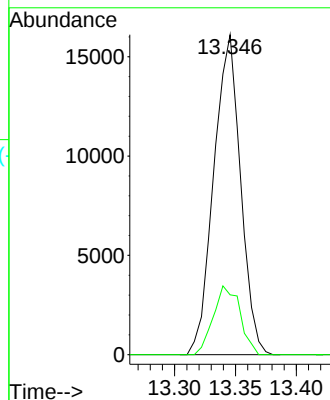
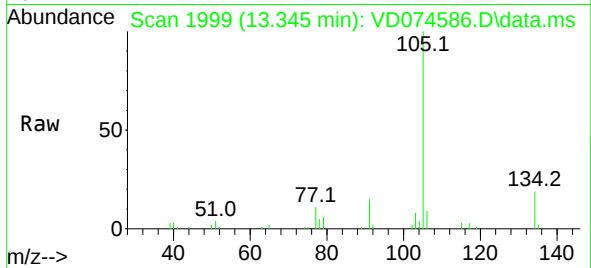




#85
 sec-Butylbenzene
 Concen: 4.950 ug/l
 RT: 13.345 min Scan# 1999
 Delta R.T. 0.006 min
 Lab File: VD074586.D
 Acq: 19 Oct 2022 18:34

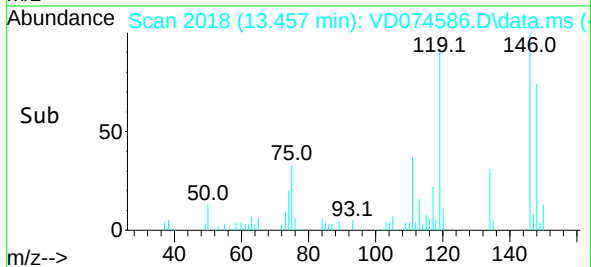
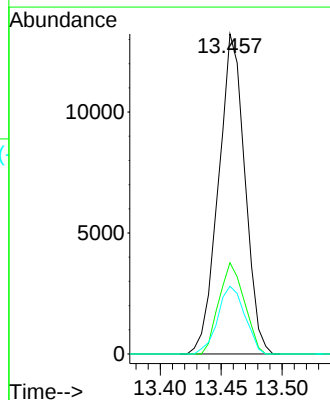
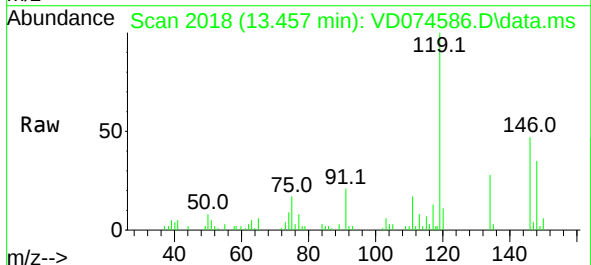
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

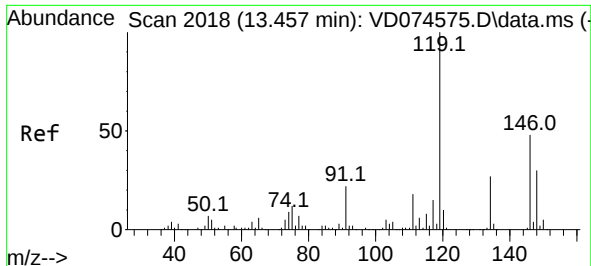
Tgt Ion:105 Resp: 24677
 Ion Ratio Lower Upper
 105 100
 134 21.4 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 4.783 ug/l
 RT: 13.457 min Scan# 1818
 Delta R.T. 0.000 min
 Lab File: VD074586.D
 Acq: 19 Oct 2022 18:34

Tgt Ion:119 Resp: 19972
 Ion Ratio Lower Upper
 119 100
 134 27.4 13.5 40.4
 91 21.7 10.8 32.4

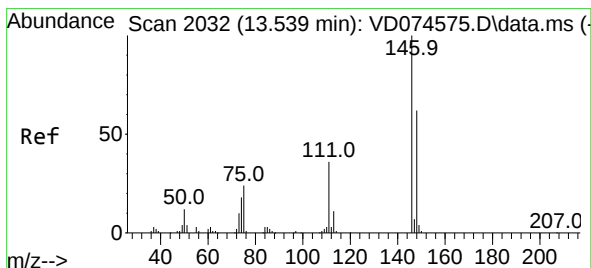
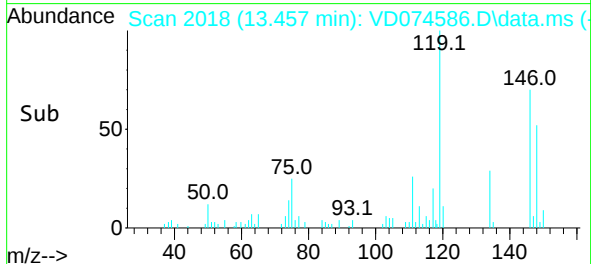
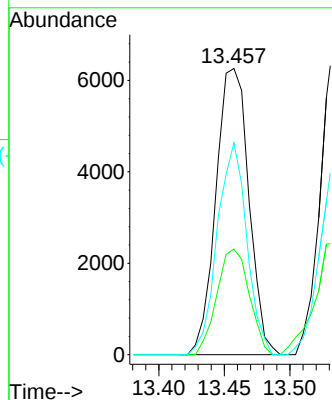
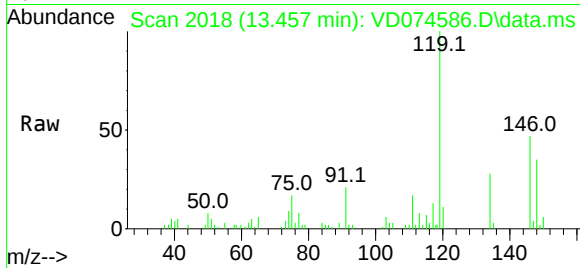




#87
 1,3-Dichlorobenzene
 Concen: 5.080 ug/l
 RT: 13.457 min Scan# 2018
 Delta R.T. 0.006 min
 Lab File: VD074586.D
 Acq: 19 Oct 2022 18:34

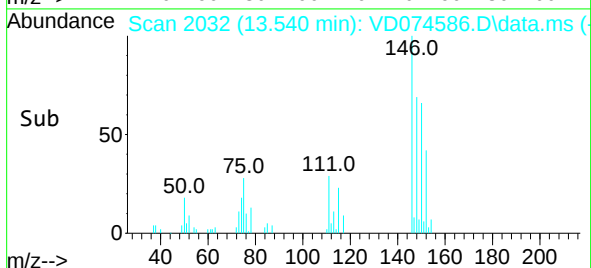
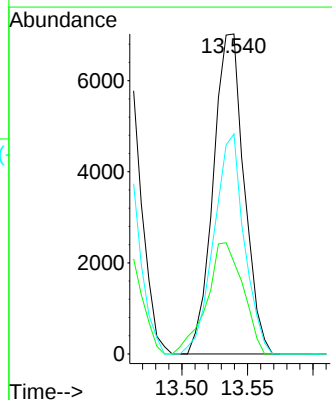
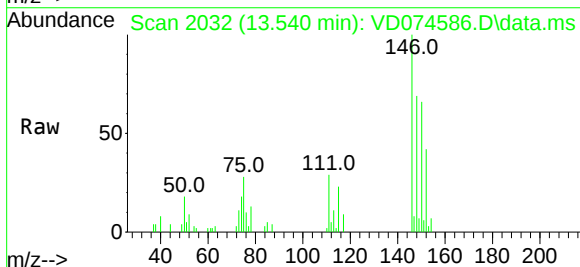
Instrument :
 MSVOA_D
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

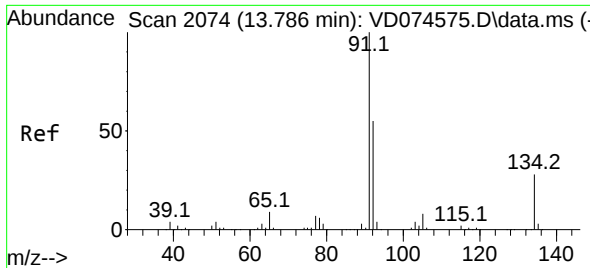
Tgt Ion:146 Resp: 10929
 Ion Ratio Lower Upper
 146 100
 111 36.3 18.3 54.8
 148 66.2 31.8 95.4



#88
 1,4-Dichlorobenzene
 Concen: 5.454 ug/l
 RT: 13.540 min Scan# 2032
 Delta R.T. 0.006 min
 Lab File: VD074586.D
 Acq: 19 Oct 2022 18:34

Tgt Ion:146 Resp: 11486
 Ion Ratio Lower Upper
 146 100
 111 40.5 17.7 53.1
 148 67.6 32.3 96.9

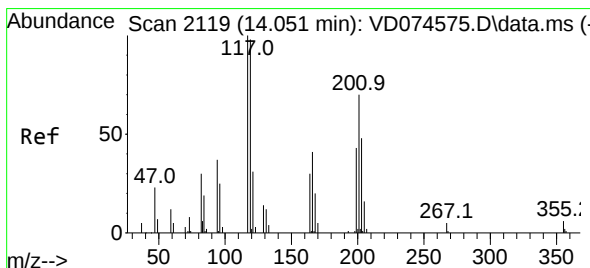
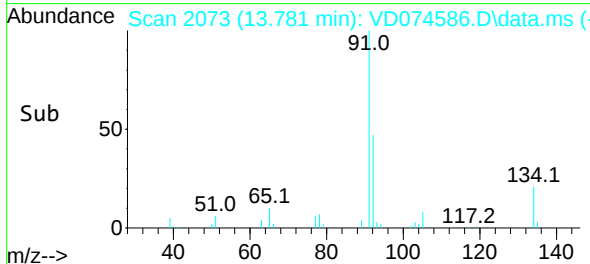
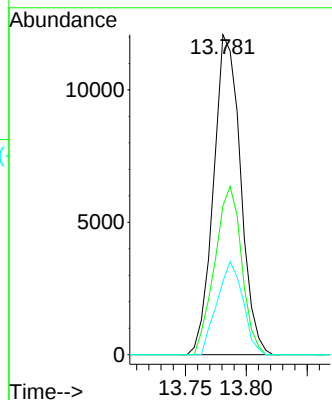
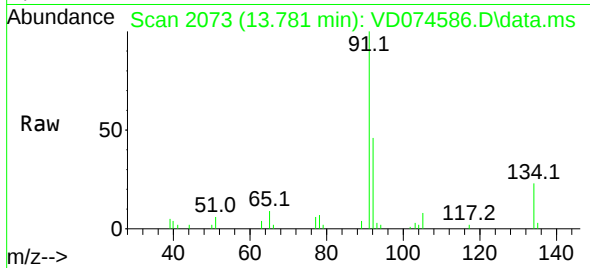




#89
n-Butylbenzene
Concen: 4.883 ug/l
RT: 13.781 min Scan# 2074
Delta R.T. -0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

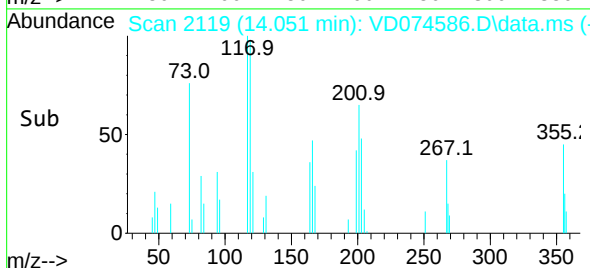
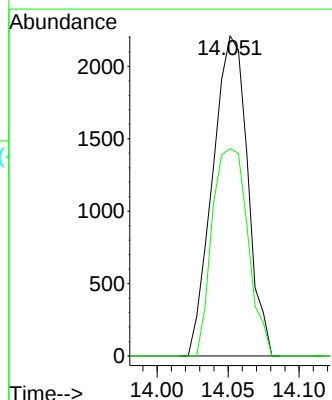
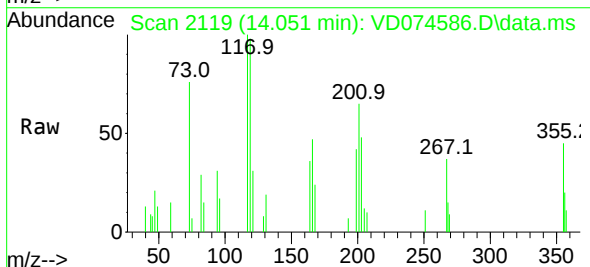
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

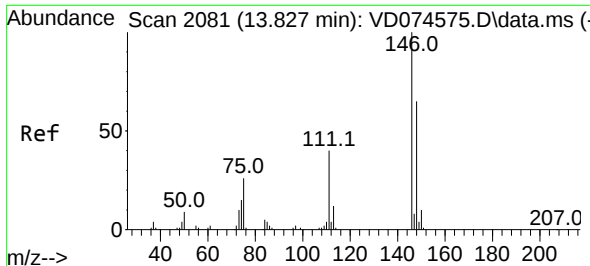
Tgt Ion: 91 Resp: 18579
Ion Ratio Lower Upper
91 100
92 52.5 26.9 80.7
134 27.9 13.4 40.2



#90
Hexachloroethane
Concen: 5.205 ug/l
RT: 14.051 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion: 117 Resp: 3783
Ion Ratio Lower Upper
117 100
201 66.1 38.0 114.0

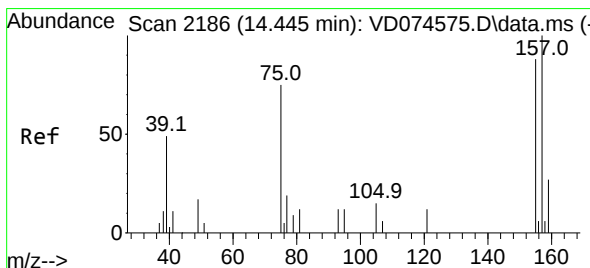
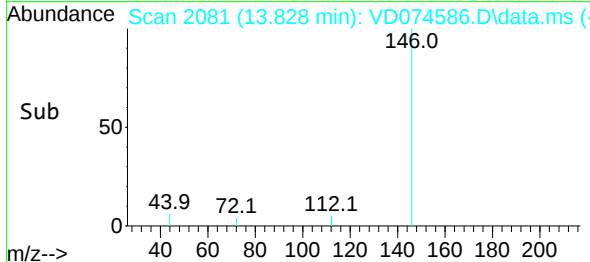
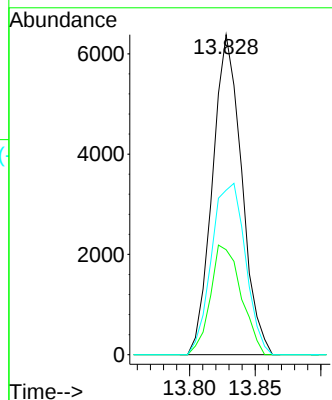
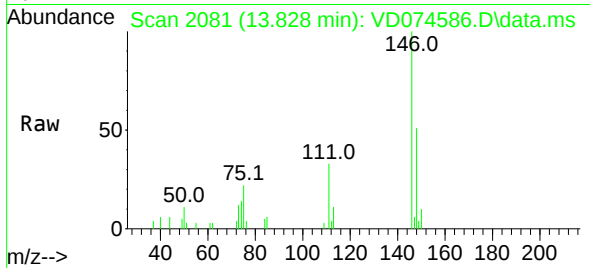




#91
1,2-Dichlorobenzene
Concen: 5.505 ug/l
RT: 13.828 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

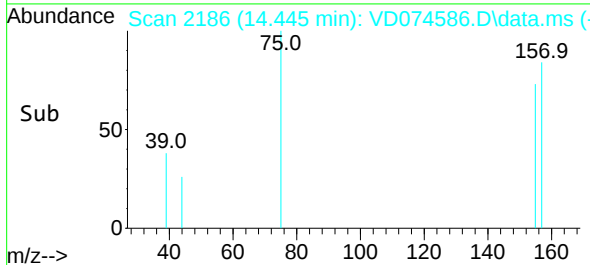
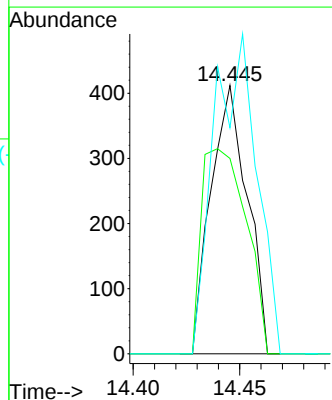
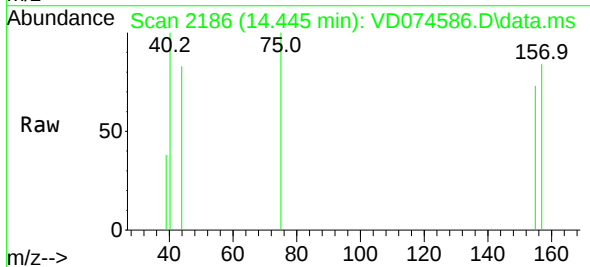
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

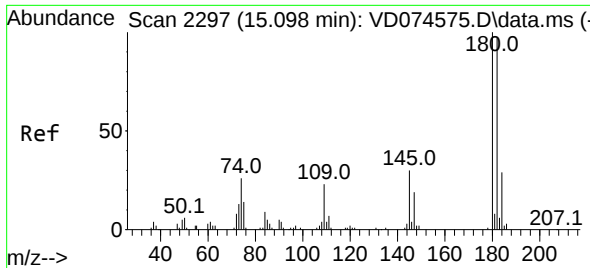
Tgt Ion:	146	Resp:	9880
Ion Ratio	Lower	Upper	
146	100		
111	36.0	18.9	56.5
148	62.1	31.9	95.5



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.869 ug/l
RT: 14.445 min Scan# 2186
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion:	75	Resp:	489
Ion Ratio	Lower	Upper	
75	100		
155	94.1	51.2	153.8
157	139.9	68.2	204.5

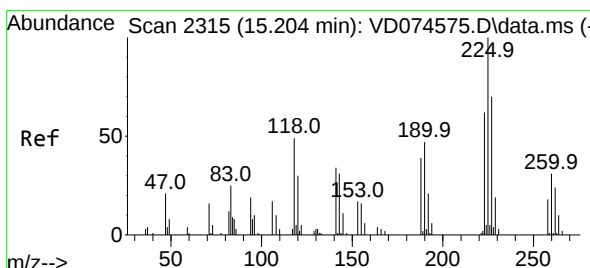
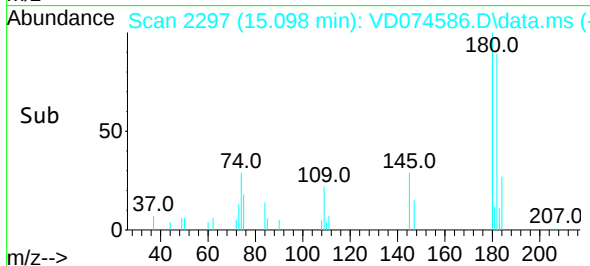
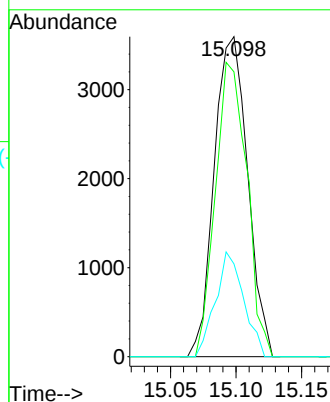
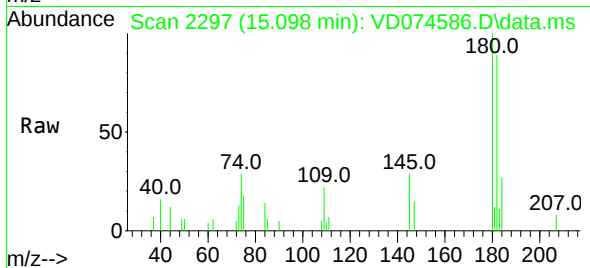




#93
1,2,4-Trichlorobenzene
Concen: 5.382 ug/l
RT: 15.098 min Scan# 21
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

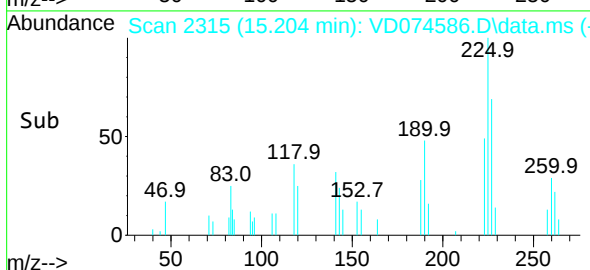
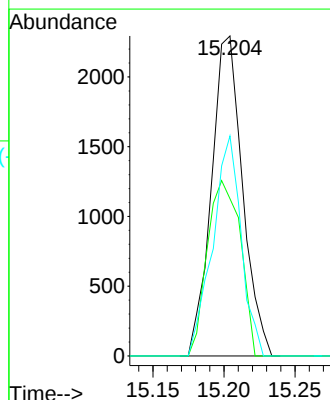
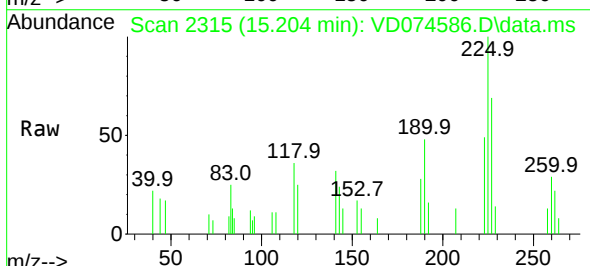
Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

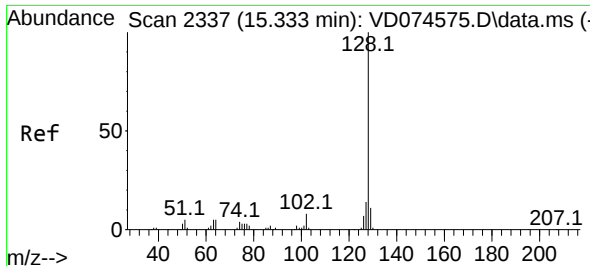
Tgt Ion:180	Resp:	6372
Ion Ratio	Lower	Upper
180	100	
182	86.5	46.9 140.6
145	27.6	14.1 42.3



#94
Hexachlorobutadiene
Concen: 5.368 ug/l
RT: 15.204 min Scan# 2315
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion:225	Resp:	3496
Ion Ratio	Lower	Upper
225	100	
223	58.2	31.9 95.5
227	62.8	32.6 97.8

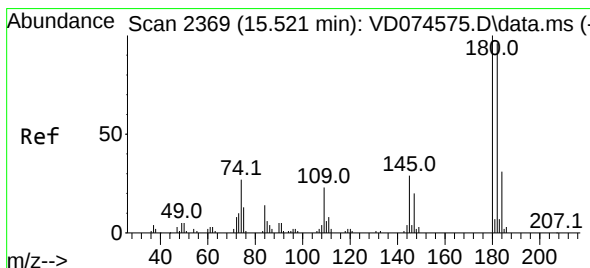
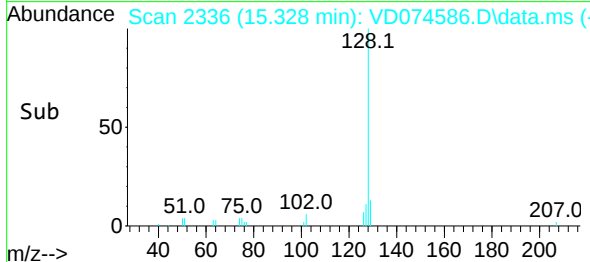
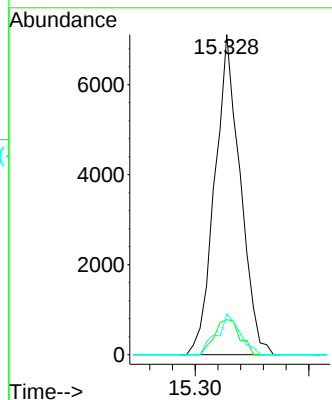
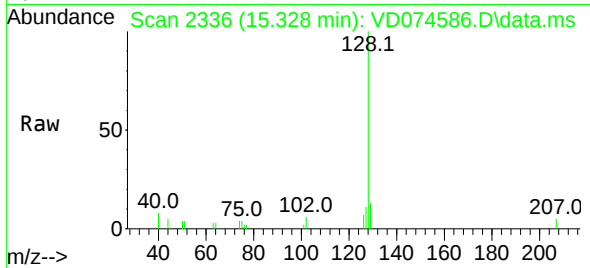




#95
Naphthalene
Concen: 4.969 ug/l
RT: 15.328 min Scan# 2336
Delta R.T. -0.000 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Instrument :
MSVOA_D
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:	128	Resp:	11073
Ion Ratio	Lower	Upper	
128	100		
127	11.0	10.6	16.0
129	11.6	8.3	12.5



#96
1,2,3-Trichlorobenzene
Concen: 5.112 ug/l
RT: 15.522 min Scan# 2369
Delta R.T. 0.006 min
Lab File: VD074586.D
Acq: 19 Oct 2022 18:34

Tgt Ion:	180	Resp:	5188
Ion Ratio	Lower	Upper	
180	100		
182	102.5	46.7	140.1
145	29.8	14.9	44.7

