

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040522\
 Data File : VD072540.D
 Acq On : 05 Apr 2022 17:39
 Operator : VA/SY
 Sample : N2252-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

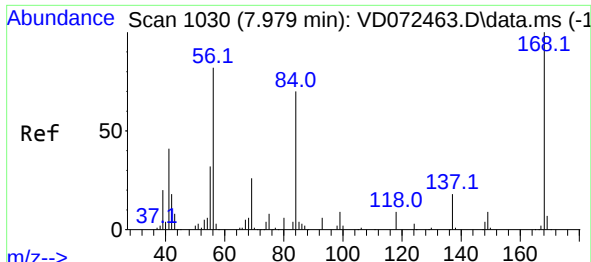
Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-040422

Quant Time: Apr 06 01:14:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	39363	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	69411	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	74186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	36594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	36098	75.809	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 151.620%			
35) Dibromofluoromethane	7.908	113	27744	51.433	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.860%			
50) Toluene-d8	10.332	98	89264	47.606	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.220%			
62) 4-Bromofluorobenzene	12.620	95	34527	47.149	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 94.300%			
Target Compounds					Qvalue	
3) Chloromethane	2.209	50	411	1.422	ug/l #	41
4) Vinyl Chloride	2.244	62	59	1.124	ug/l #	43
5) Bromomethane	2.791	94	1233	5.538	ug/l #	38
10) Methyl Iodide	4.303	142	151	4.062	ug/l #	16
13) Acrolein	4.144	56	58	5.198	ug/l #	14
14) Allyl chloride	4.673	41	66	1.231	ug/l #	22
15) Acrylonitrile	5.485	53	101	1.002	ug/l #	1
16) Acetone	4.150	43	2106	23.719	ug/l #	47
18) Methyl Acetate	4.932	43	2219	8.871	ug/l #	55
20) Methylene Chloride	4.956	84	1457	2.756	ug/l #	62
25) 2-Butanone	7.203	43	636	5.179	ug/l #	52
31) Cyclohexane	7.967	56	4565	7.332	ug/l #	64
36) 1,1-Dichloropropene	7.967	75	3367	5.899	ug/l #	45
37) Ethyl Acetate	7.203	43	636	2.225	ug/l #	72
38) Carbon Tetrachloride	7.973	117	4916	6.615	ug/l #	13
39) Methylcyclohexane	9.350	83	29846	37.915	ug/l	92
41) Methacrylonitrile	7.573	41	68	2.052	ug/l #	27
43) Isopropyl Acetate	8.432	43	1354	2.470	ug/l #	54
48) Methyl methacrylate	9.544	41	868	3.261	ug/l #	44
55) 1,1,2-Trichloroethane	10.773	97	3209	7.699	ug/l #	19
56) Ethyl methacrylate	10.638	69	971	3.040	ug/l #	61
59) 2-Hexanone	10.949	43	3310	16.546	ug/l #	27
74) N-amyl acetate	12.267	43	2333	3.762	ug/l #	64
76) 1,2,3-Trichloropropane	12.620	75	17783	44.556	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	17783	109.332	ug/l #	7

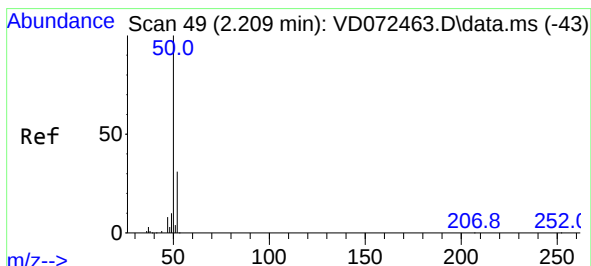
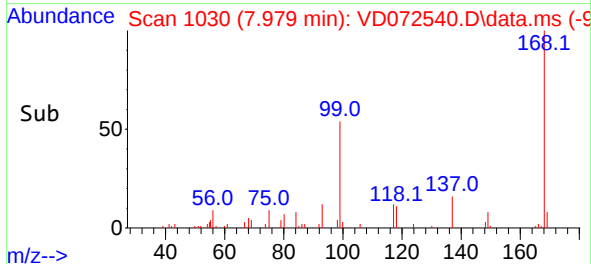
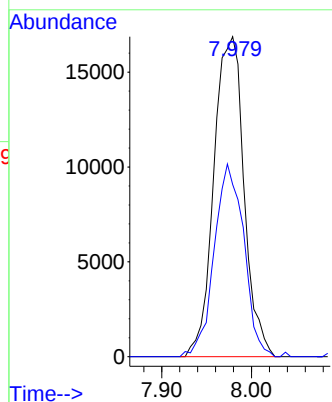
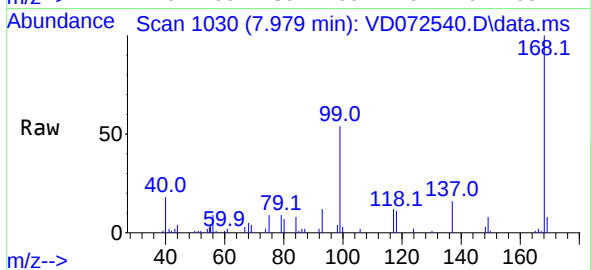
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

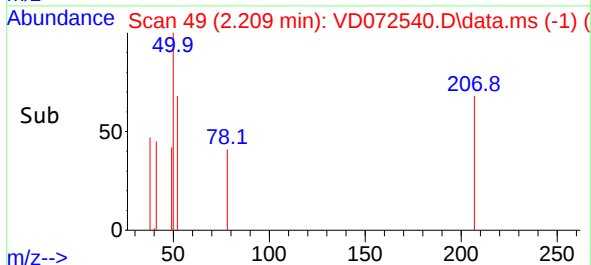
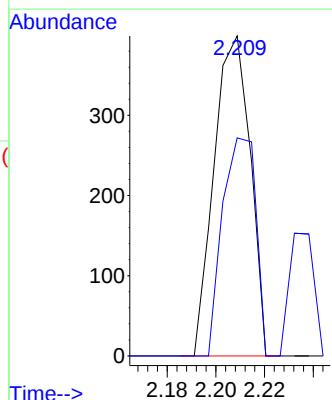
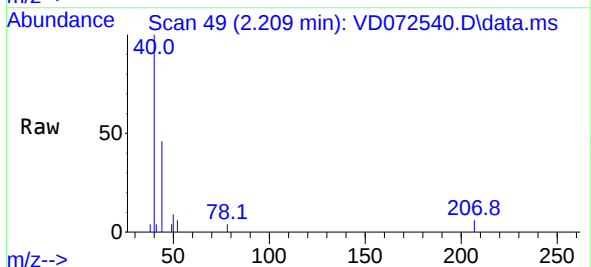
Instrument :
MSVOA_D
ClientSampleId :
OK-01-040422

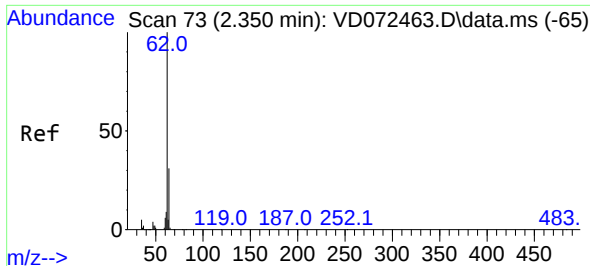
Tgt Ion:168 Resp: 39363
Ion Ratio Lower Upper
168 100
99 53.8 49.8 74.6



#3
Chloromethane
Concen: 1.422 ug/l
RT: 2.209 min Scan# 49
Delta R.T. 0.000 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

Tgt Ion: 50 Resp: 411
Ion Ratio Lower Upper
50 100
52 68.2 27.4 41.0#

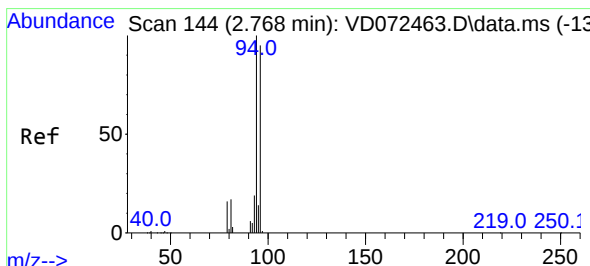
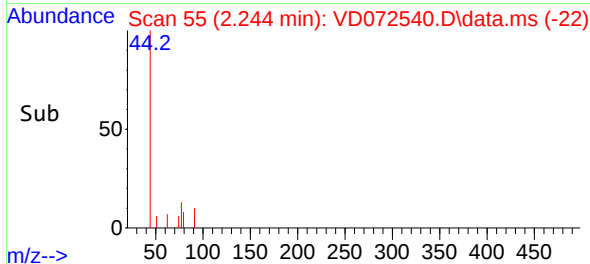
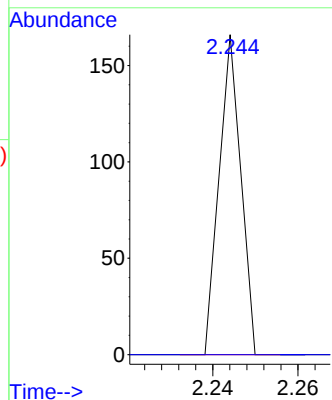
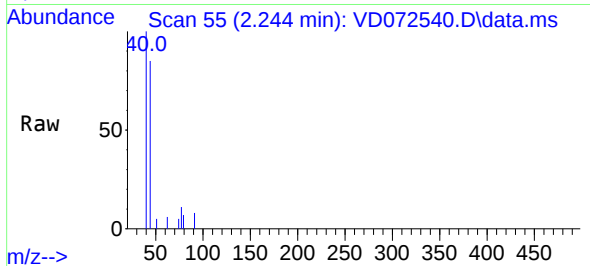




#4
 Vinyl Chloride
 Concen: 1.124 ug/l
 RT: 2.244 min Scan# 51
 Delta R.T. -0.106 min
 Lab File: VD072540.D
 Acq: 05 Apr 2022 17:39

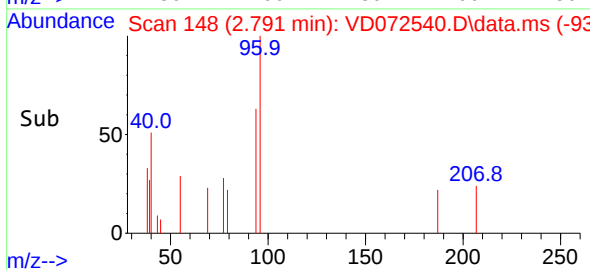
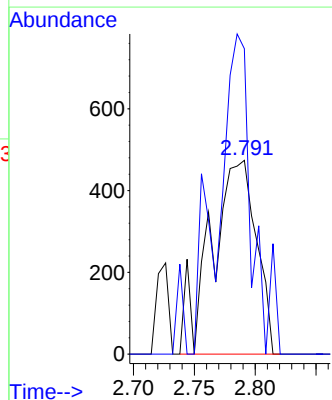
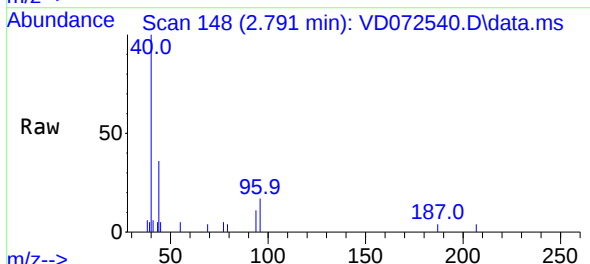
Instrument :
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 ClientSampleId :
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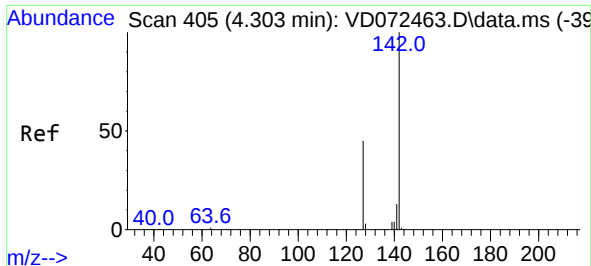
Tgt Ion: 62 Resp: 59
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.4 38.0#



#5
 Bromomethane
 Concen: 5.538 ug/l
 RT: 2.791 min Scan# 148
 Delta R.T. 0.024 min
 Lab File: VD072540.D
 Acq: 05 Apr 2022 17:39

Tgt Ion: 94 Resp: 1233
 Ion Ratio Lower Upper
 94 100
 96 157.6 77.6 116.4#





#10

Methyl Iodide

Concen: 4.062 ug/l

RT: 4.303 min Scan# 405

Delta R.T. -0.000 min

Lab File: VD072540.D

Acq: 05 Apr 2022 17:39

Instrument :

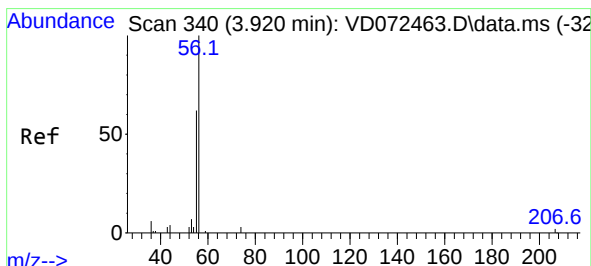
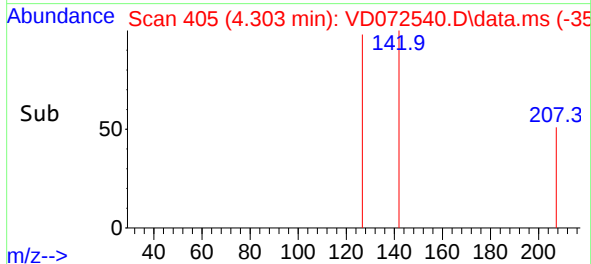
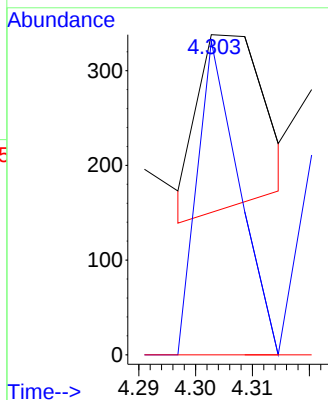
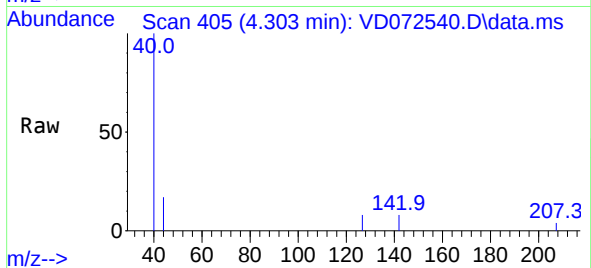
MSVOA_D

ClientSampleId :

OK-01-040422

Tgt Ion:142 Resp: 151

Ion	Ratio	Lower	Upper
142	100		
127	112.6	37.3	55.9#
141	0.0	11.7	17.5#



#13

Acrolein

Concen: 5.198 ug/l

RT: 4.144 min Scan# 378

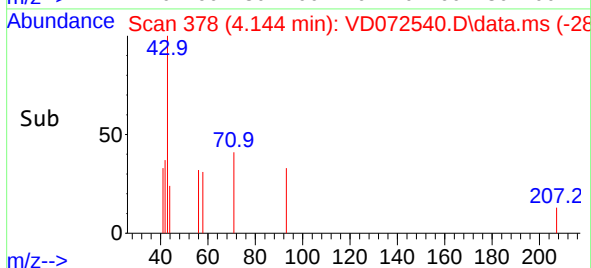
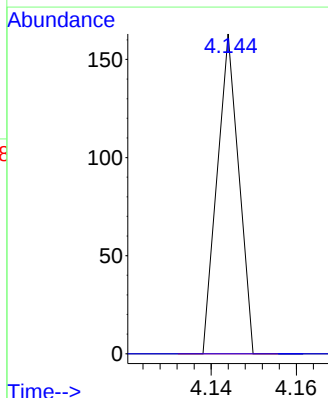
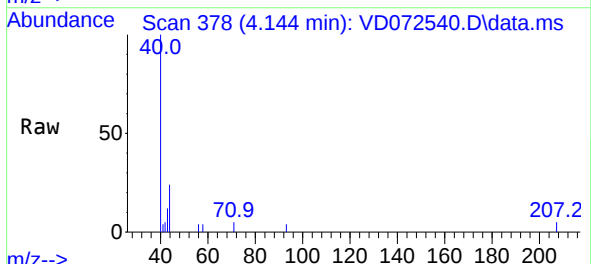
Delta R.T. 0.224 min

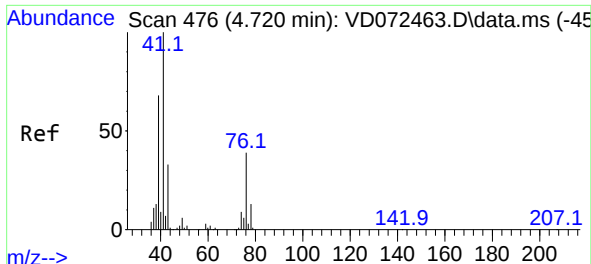
Lab File: VD072540.D

Acq: 05 Apr 2022 17:39

Tgt Ion: 56 Resp: 58

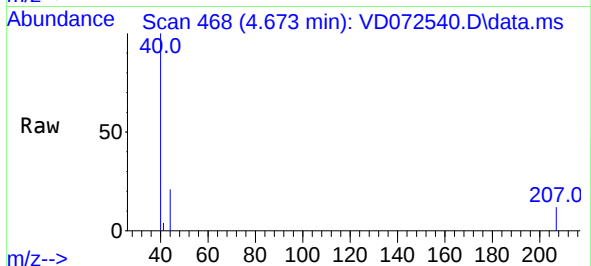
Ion	Ratio	Lower	Upper
56	100		
55	0.0	57.1	85.7#



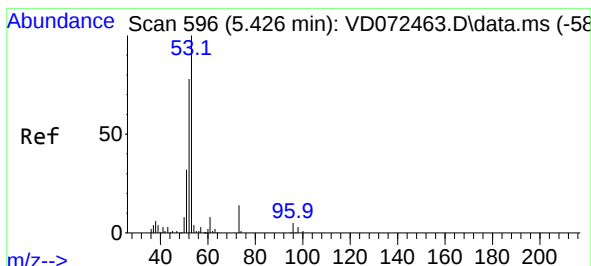
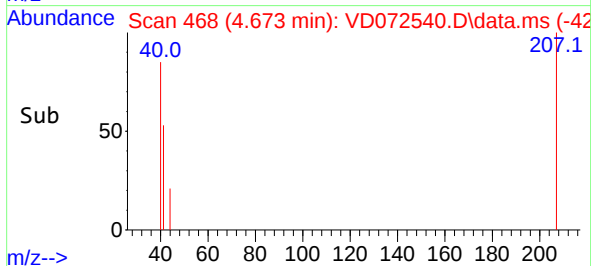
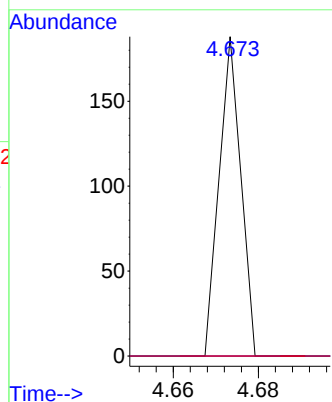


#14
 Allyl chloride
 Concen: 1.231 ug/l
 RT: 4.673 min Scan# 41
 Delta R.T. -0.047 min
 Lab File: VD072540.D
 Acq: 05 Apr 2022 17:39

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-040422

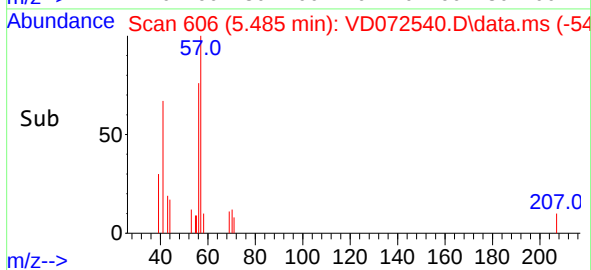
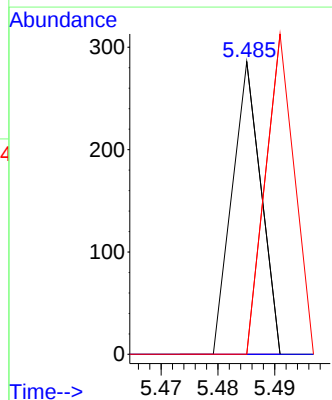
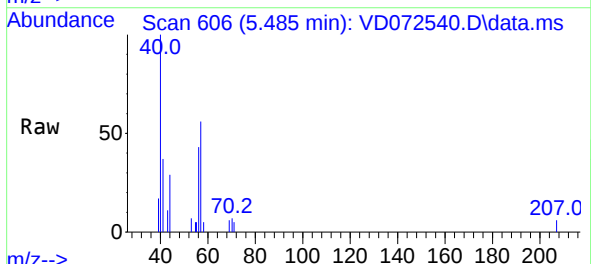


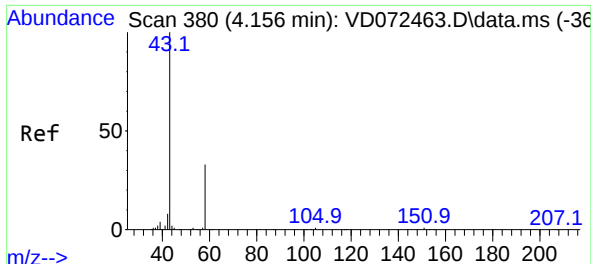
Tgt Ion: 41 Resp: 66
 Ion Ratio Lower Upper
 41 100
 39 0.0 59.3 88.9#
 76 0.0 25.7 38.5#



#15
 Acrylonitrile
 Concen: 1.002 ug/l
 RT: 5.485 min Scan# 606
 Delta R.T. 0.059 min
 Lab File: VD072540.D
 Acq: 05 Apr 2022 17:39

Tgt Ion: 53 Resp: 101
 Ion Ratio Lower Upper
 53 100
 52 0.0 67.2 100.8#
 51 108.9 30.3 45.5#

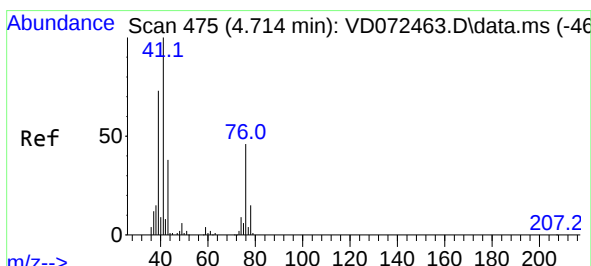
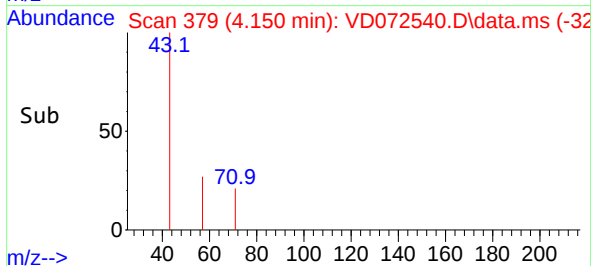
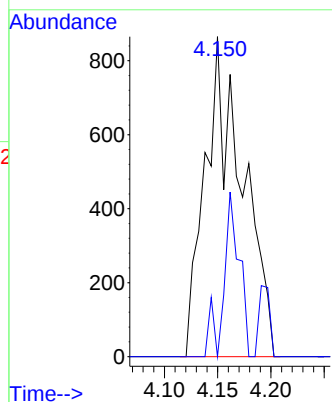
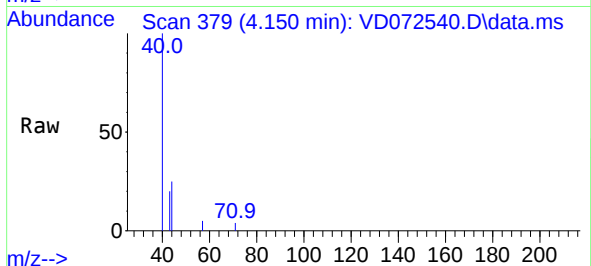




#16
Acetone
Concen: 23.719 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

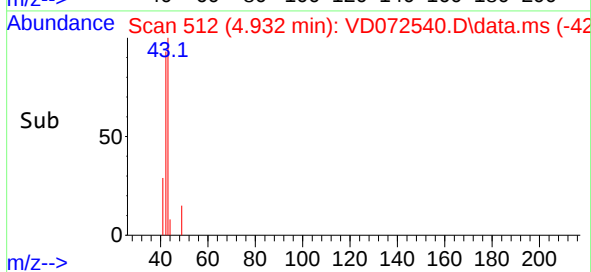
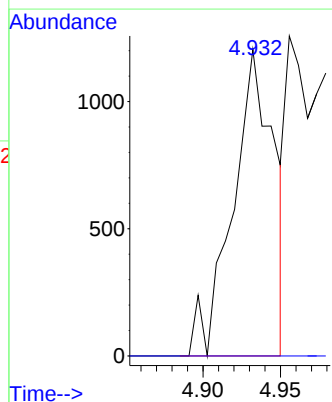
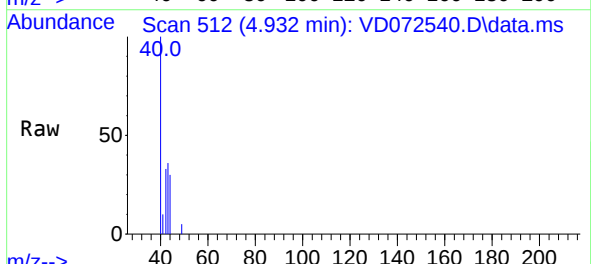
Instrument :
MSVOA_D
ClientSampleId :
OK-01-040422

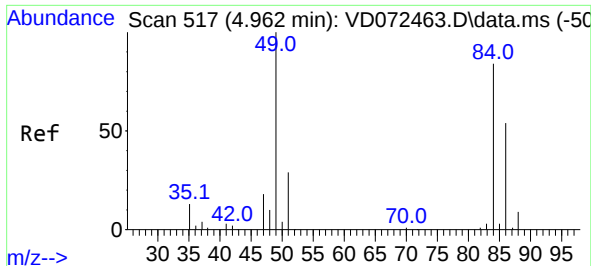
Tgt Ion: 43 Resp: 2106
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#18
Methyl Acetate
Concen: 8.871 ug/l
RT: 4.932 min Scan# 512
Delta R.T. 0.218 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

Tgt Ion: 43 Resp: 2219
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#



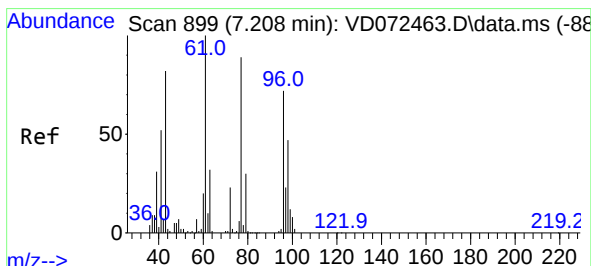
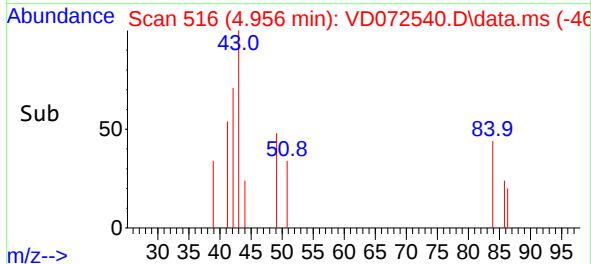
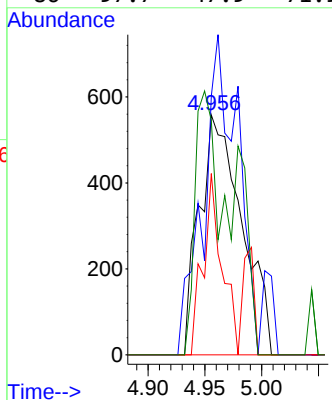
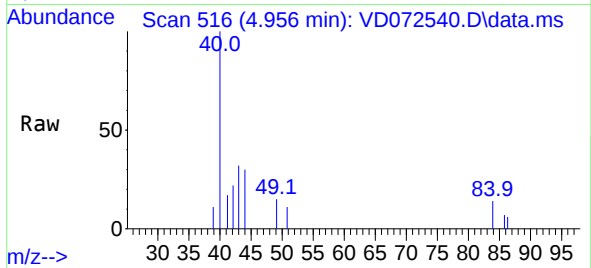


#20
Methylene Chloride
Concen: 2.756 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.006 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

Instrument :
MSVOA_D
ClientSampleId :
OK-01-040422

Tgt Ion: 84 Resp: 1457

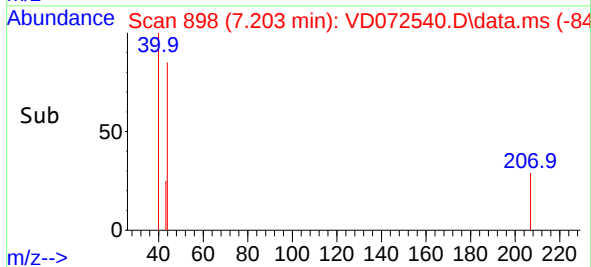
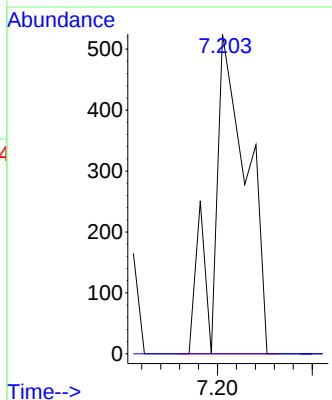
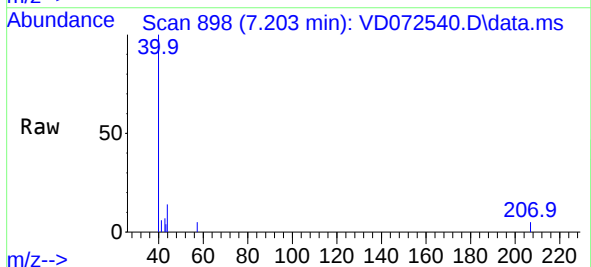
Ion	Ratio	Lower	Upper
84	100		
49	107.9	112.8	169.2#
51	75.6	32.6	48.8#
86	97.7	47.9	71.9#

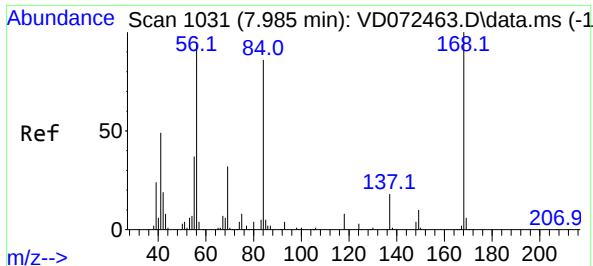


#25
2-Butanone
Concen: 5.179 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

Tgt Ion: 43 Resp: 636

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#

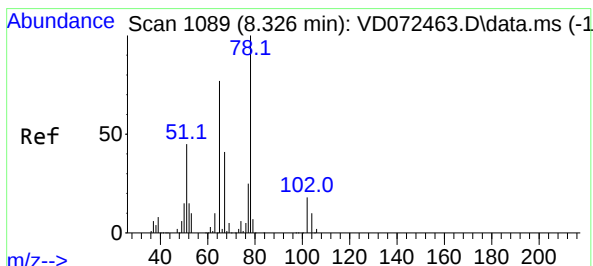
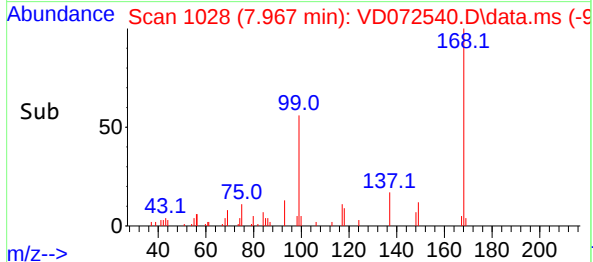
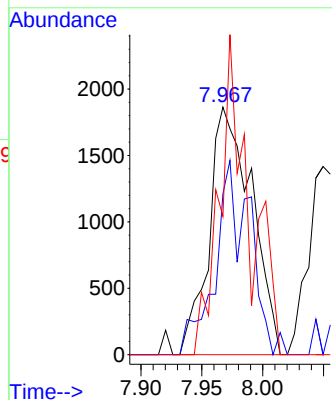
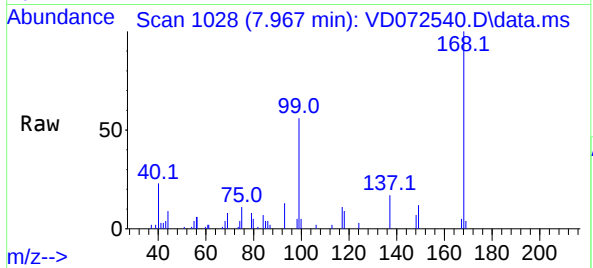




#31
Cyclohexane
Concen: 7.332 ug/l
RT: 7.967 min Scan# 1031
Delta R.T. -0.018 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

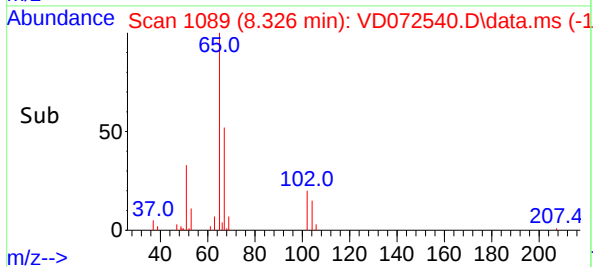
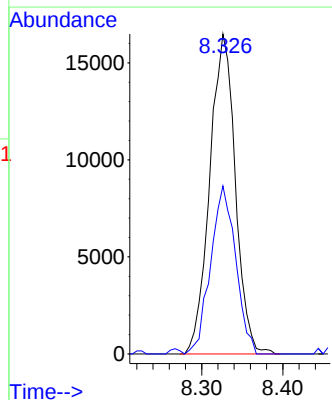
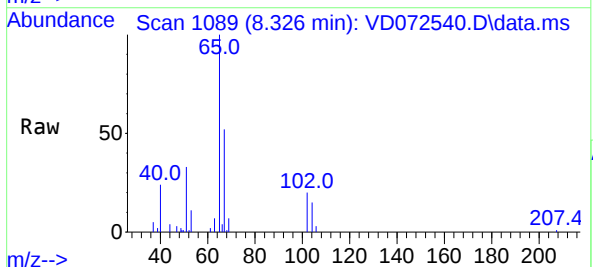
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MSVOA_D
ClientSampleId :
OK-01-040422

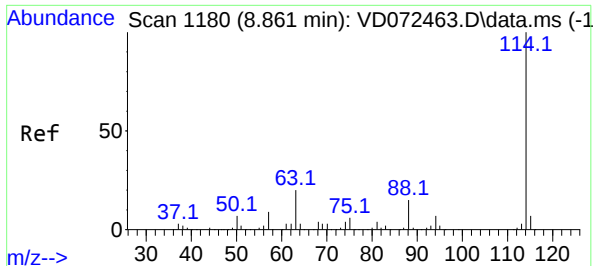
Tgt Ion: 56 Resp: 4565
Ion Ratio Lower Upper
56 100
69 65.0 25.4 38.2#
84 55.8 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 75.809 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

Tgt Ion: 65 Resp: 36098
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD072540.D

Acq: 05 Apr 2022 17:39

Instrument :

MSVOA_D

ClientSampleId :

OK-01-040422

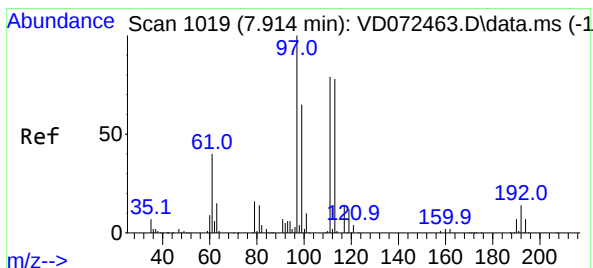
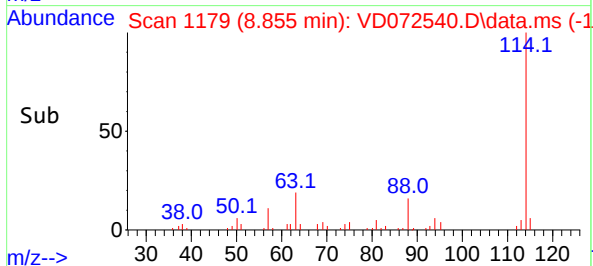
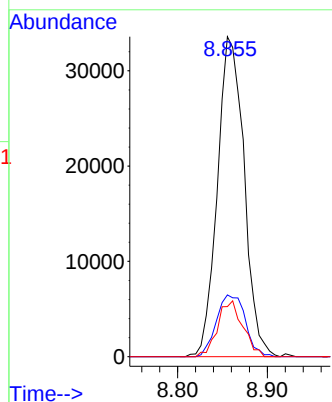
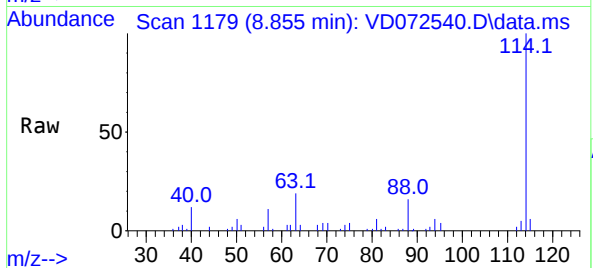
Tgt Ion:114 Resp: 69411

Ion Ratio Lower Upper

114 100

63 19.3 0.0 46.6

88 15.6 0.0 33.2



#35

Dibromofluoromethane

Concen: 51.433 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.006 min

Lab File: VD072540.D

Acq: 05 Apr 2022 17:39

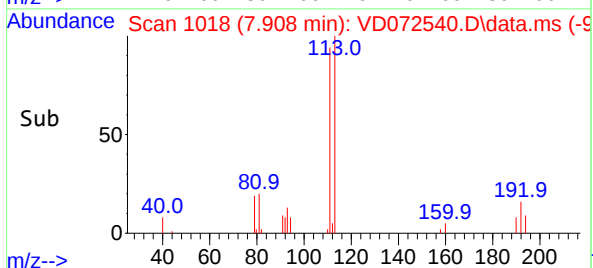
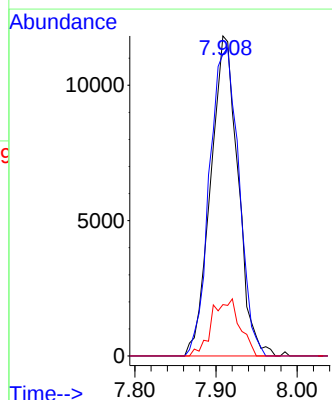
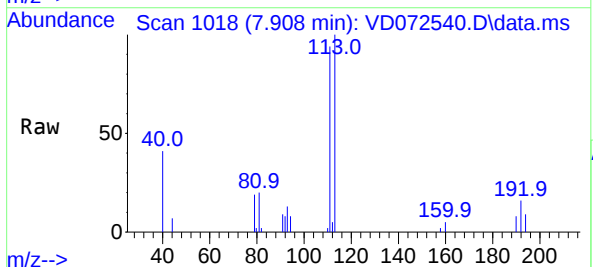
Tgt Ion:113 Resp: 27744

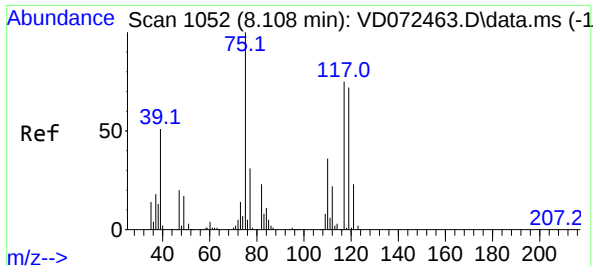
Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 18.2 14.6 21.8

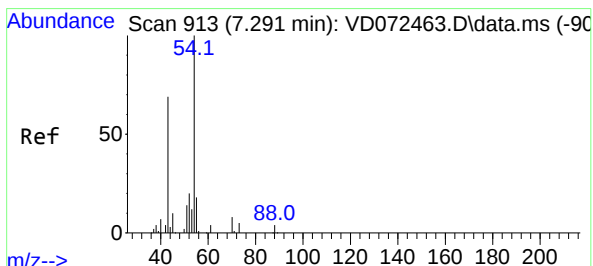
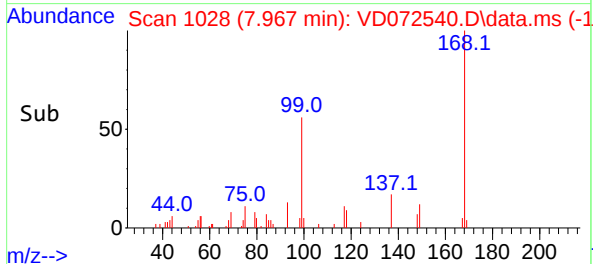
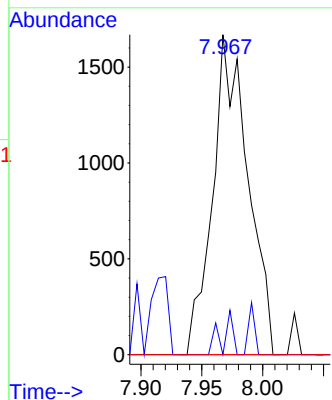
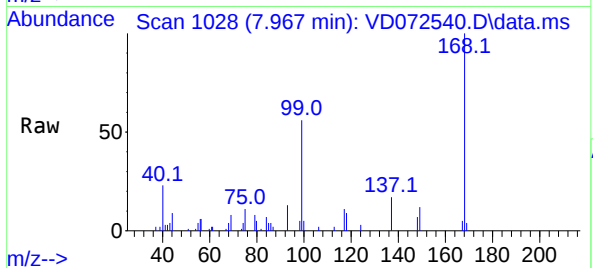




#36
1,1-Dichloropropene
Concen: 5.899 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

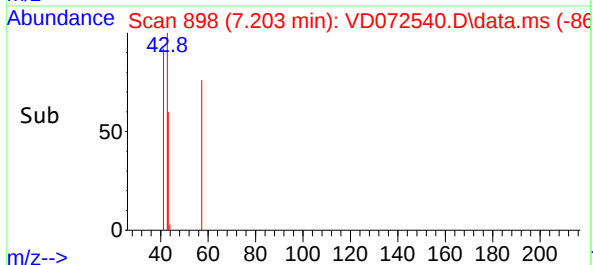
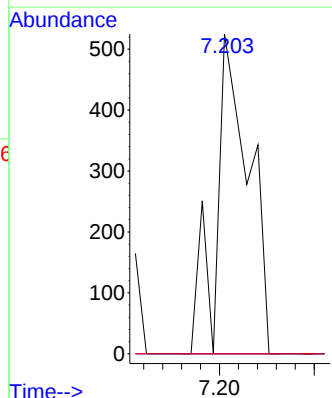
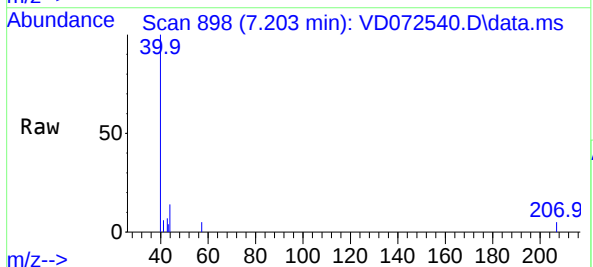
Instrument :
MSVOA_D
ClientSampleId :
OK-01-040422

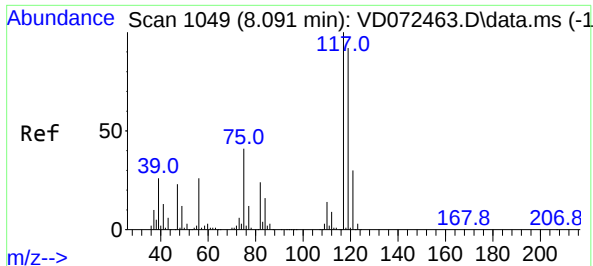
Tgt Ion: 75 Resp: 3367
Ion Ratio Lower Upper
75 100
110 1.7 16.4 49.1#
77 0.0 24.2 36.2#



#37
Ethyl Acetate
Concen: 2.225 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.088 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

Tgt Ion: 43 Resp: 636
Ion Ratio Lower Upper
43 100
61 0.0 9.8 14.8#
70 0.0 6.9 10.3#

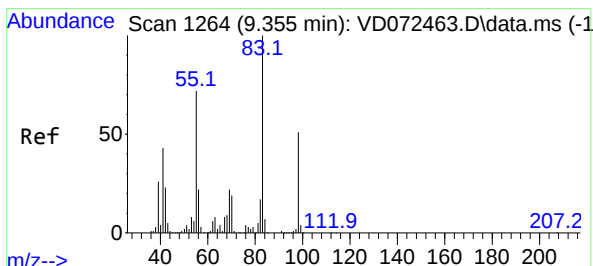
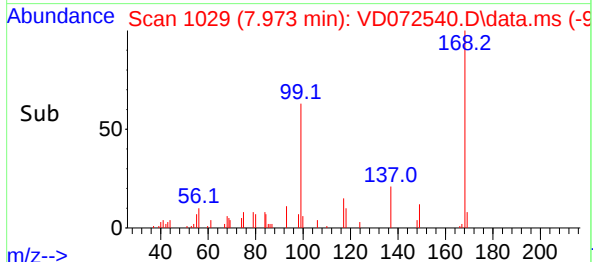
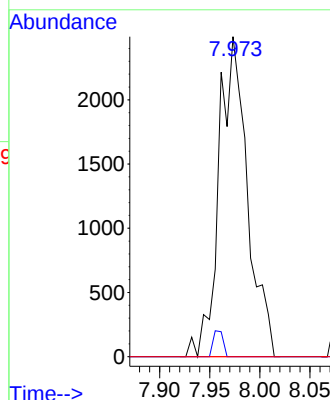
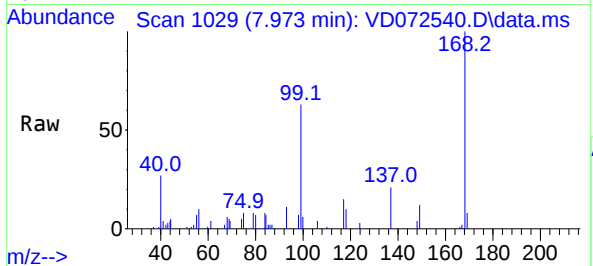




#38
Carbon Tetrachloride
Concen: 6.615 ug/l
RT: 7.973 min Scan# 1049
Delta R.T. -0.118 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

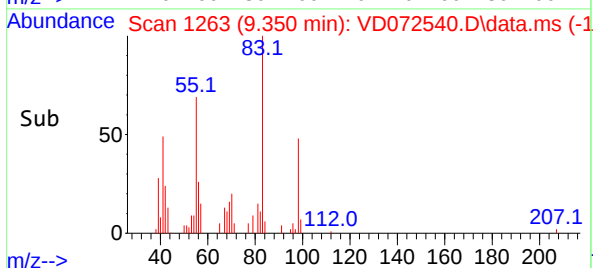
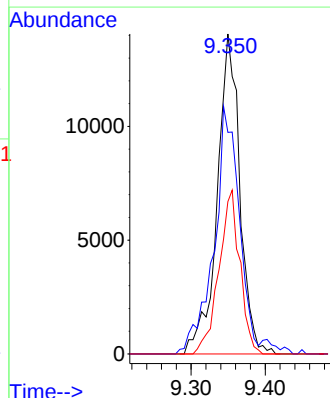
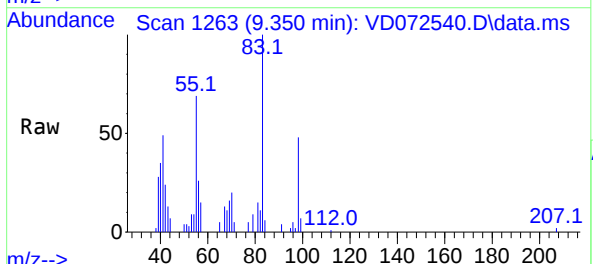
Instrument :
MSVOA_D
ClientSampleId :
OK-01-040422

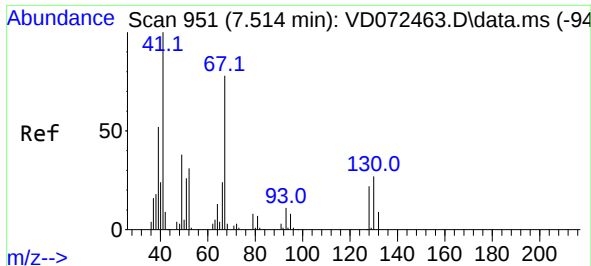
Tgt Ion:117 Resp: 4916
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 37.915 ug/l
RT: 9.350 min Scan# 1263
Delta R.T. -0.005 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

Tgt Ion: 83 Resp: 29846
Ion Ratio Lower Upper
83 100
55 67.9 63.2 94.8
98 47.6 38.2 57.4

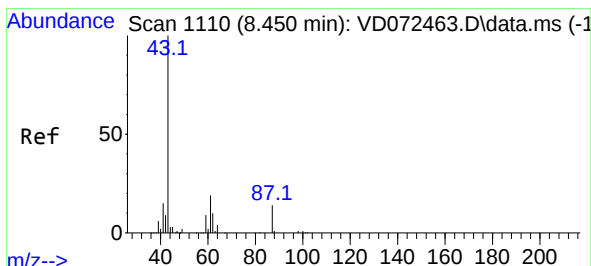
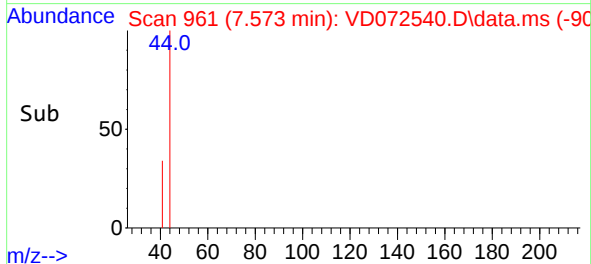
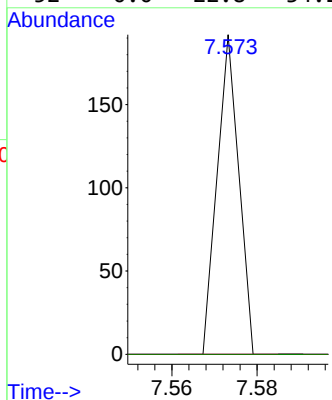
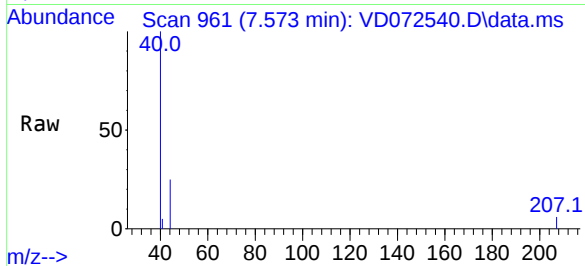




#41
Methacrylonitrile
Concen: 2.052 ug/l
RT: 7.573 min Scan# 91
Delta R.T. 0.059 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

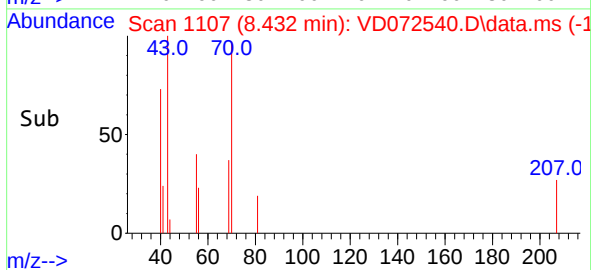
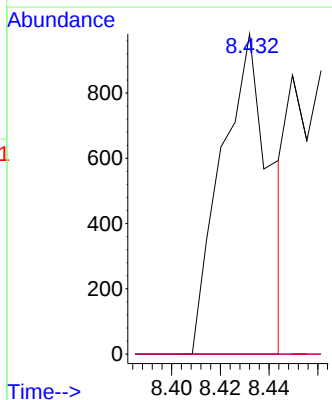
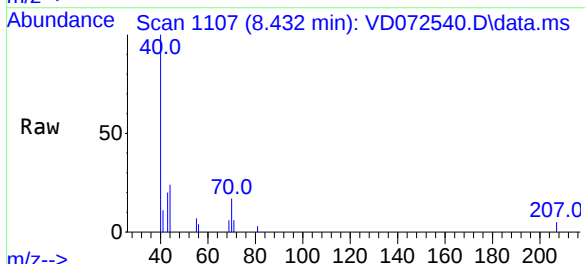
Instrument :
MSVOA_D
ClientSampleId :
OK-01-040422

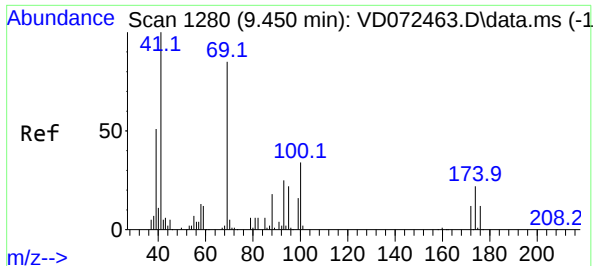
Tgt Ion:	41	Resp:	68
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#43
Isopropyl Acetate
Concen: 2.470 ug/l
RT: 8.432 min Scan# 1107
Delta R.T. -0.018 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

Tgt Ion:	43	Resp:	1354
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.4	33.6#
87	0.0	8.7	13.1#

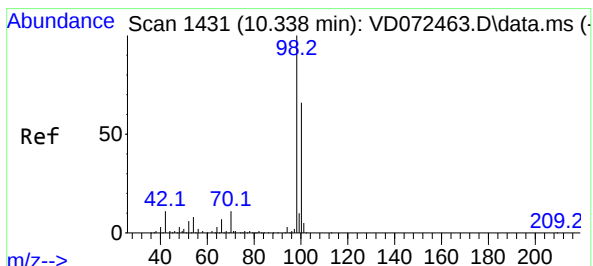
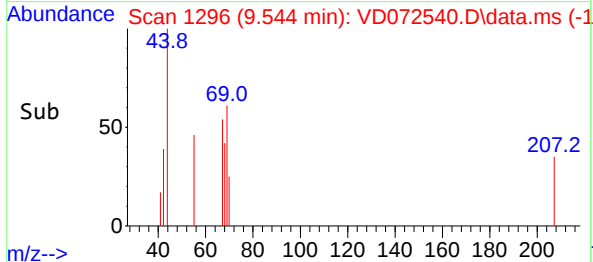
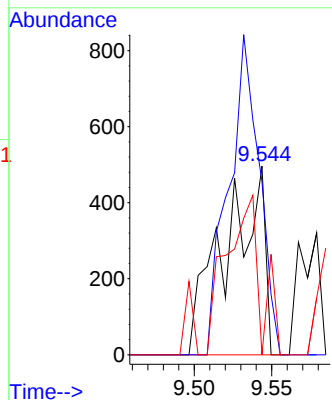
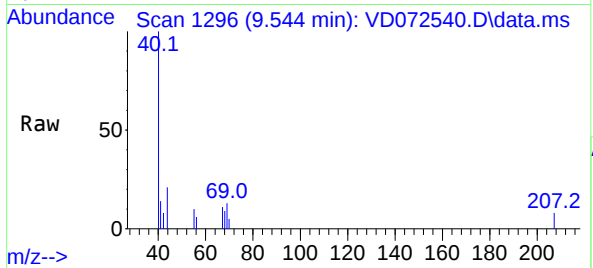




#48
Methyl methacrylate
Concen: 3.261 ug/l
RT: 9.544 min Scan# 11
Delta R.T. 0.094 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

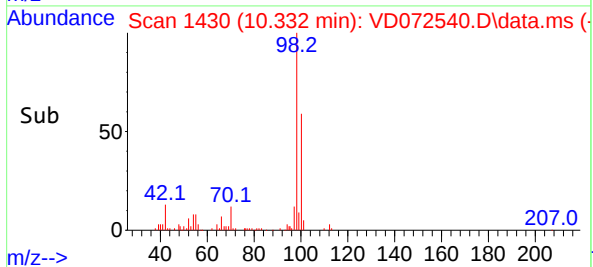
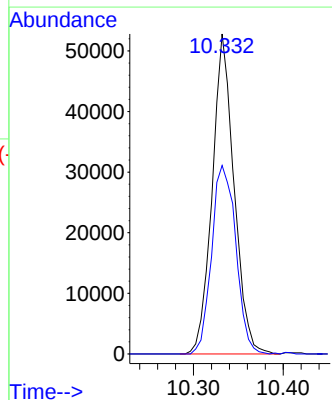
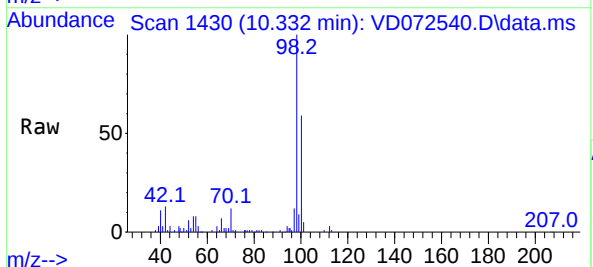
Instrument :
MSVOA_D
ClientSampleId :
OK-01-040422

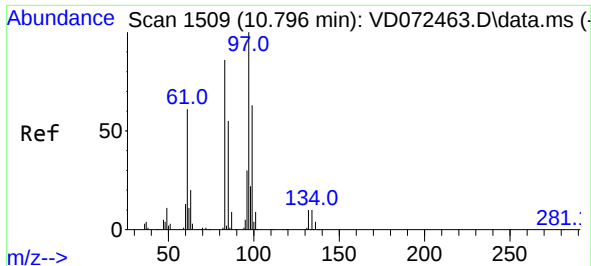
Tgt Ion: 41 Resp: 868
Ion Ratio Lower Upper
41 100
69 133.8 56.7 85.1#
39 74.8 42.7 64.1#



#50
Toluene-d8
Concen: 47.606 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

Tgt Ion: 98 Resp: 89264
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6

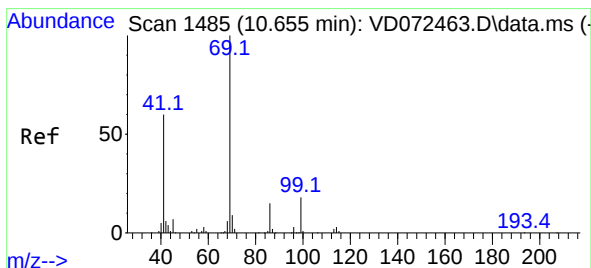
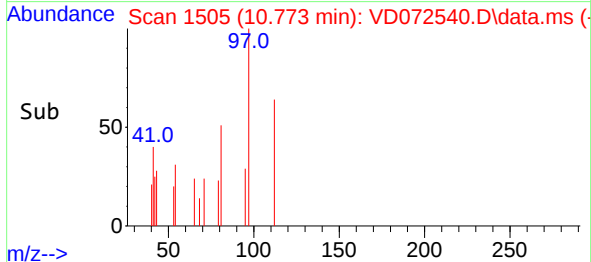
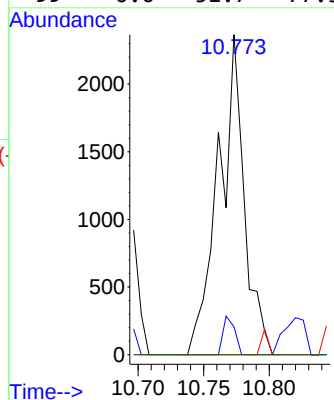
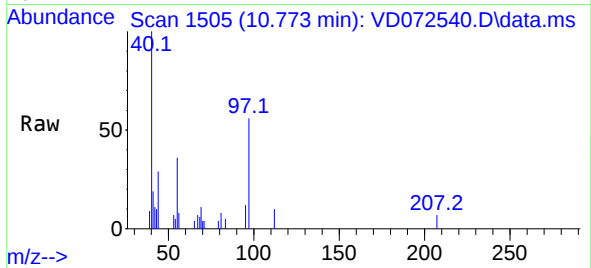




#55
1,1,2-Trichloroethane
Concen: 7.699 ug/l
RT: 10.773 min Scan# 11
Delta R.T. -0.023 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

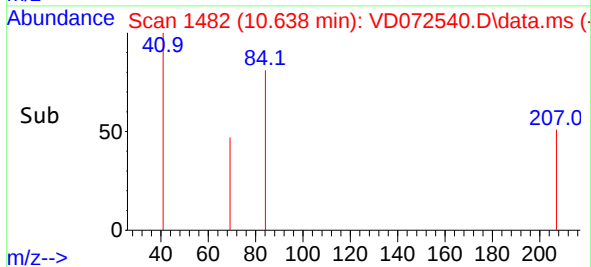
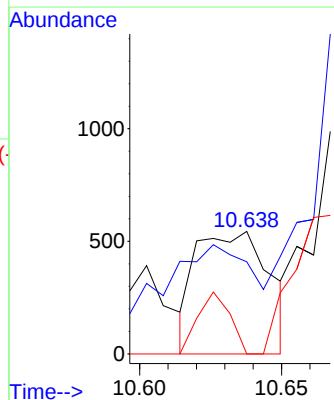
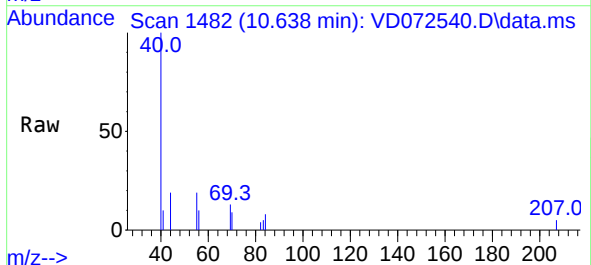
Instrument :
MSVOA_D
ClientSampleId :
OK-01-040422

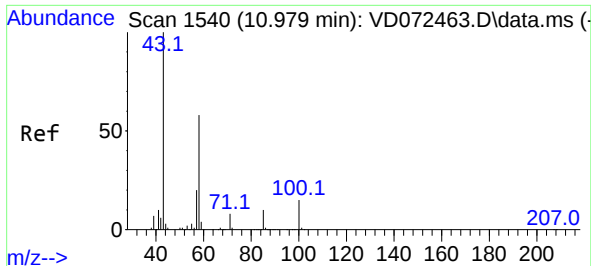
Tgt Ion:	97	Resp:	3209
Ion	Ratio	Lower	Upper
97	100		
83	8.7	69.0	103.4#
85	0.0	42.6	63.8#
99	0.0	51.7	77.5#



#56
Ethyl methacrylate
Concen: 3.040 ug/l
RT: 10.638 min Scan# 1482
Delta R.T. -0.017 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

Tgt Ion:	69	Resp:	971
Ion	Ratio	Lower	Upper
69	100		
41	115.9	63.0	94.6#
39	22.2	33.8	50.8#

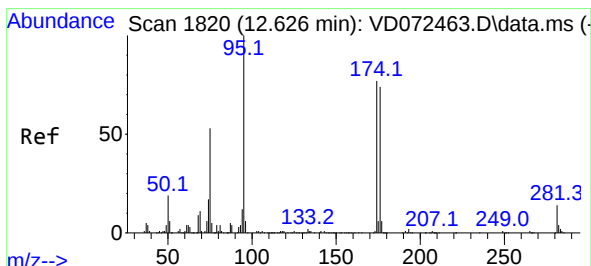
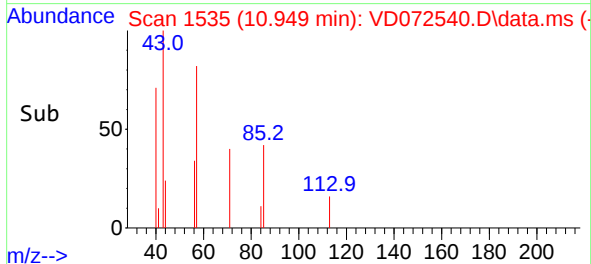
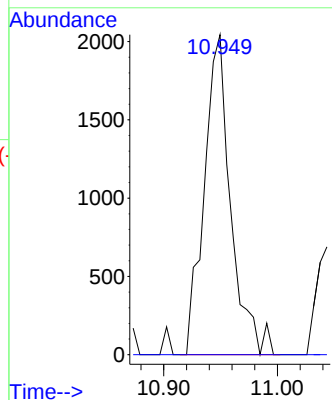
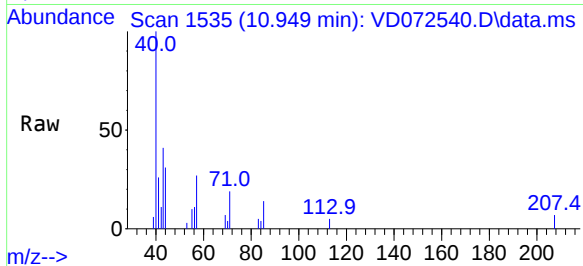




#59
2-Hexanone
Concen: 16.546 ug/l
RT: 10.949 min Scan# 11
Delta R.T. -0.029 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

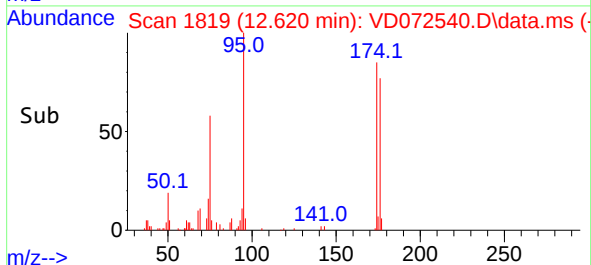
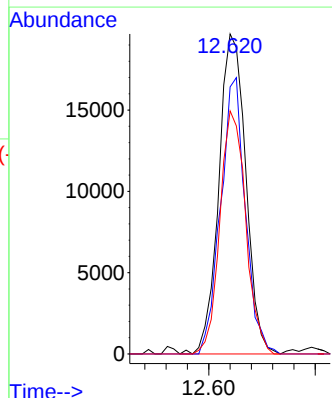
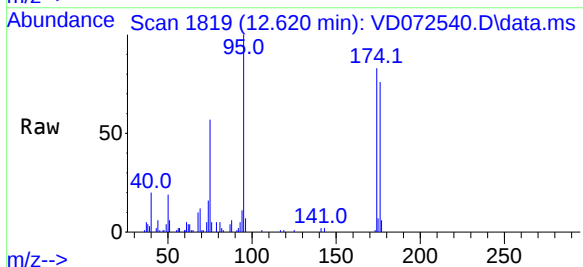
Instrument :
MSVOA_D
ClientSampleId :
OK-01-040422

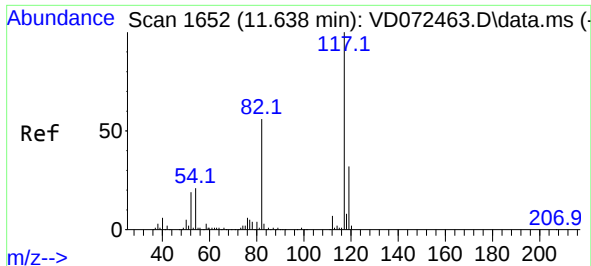
Tgt Ion: 43 Resp: 3310
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 47.149 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

Tgt Ion: 95 Resp: 34527
Ion Ratio Lower Upper
95 100
174 79.3 0.0 152.8
176 72.6 0.0 145.4

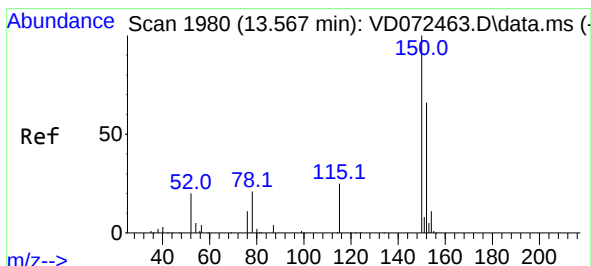
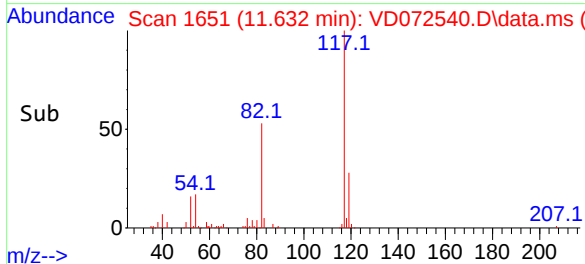
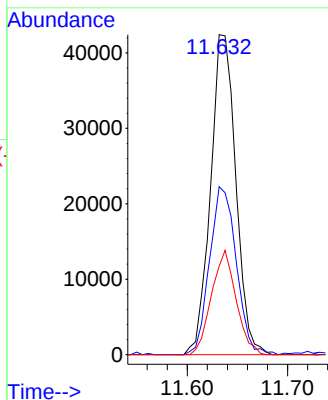
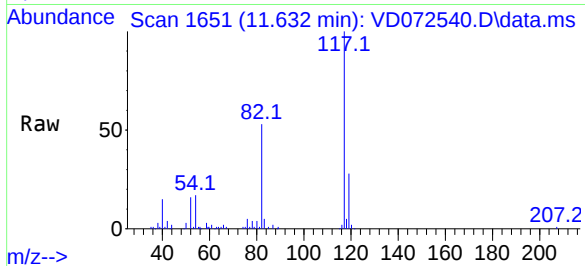




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 117
Delta R.T. -0.006 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

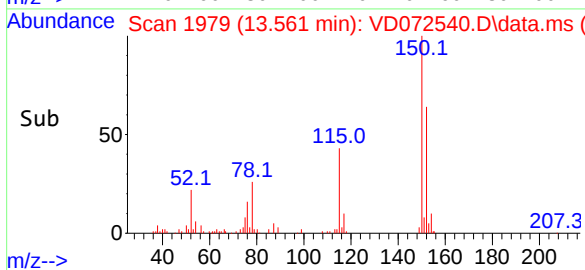
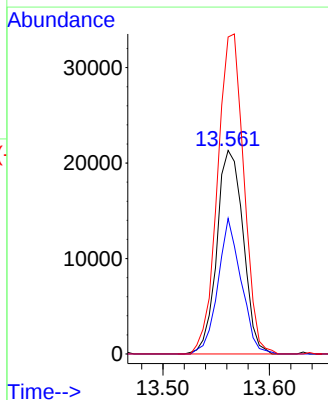
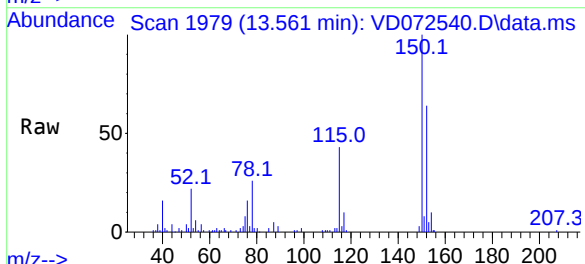
Instrument :
MSVOA_D
ClientSampleId :
OK-01-040422

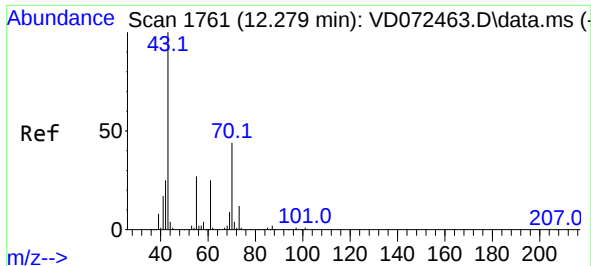
Tgt Ion:	117	Resp:	74186
Ion	Ratio	Lower	Upper
117	100		
82	52.5	45.3	67.9
119	27.7	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

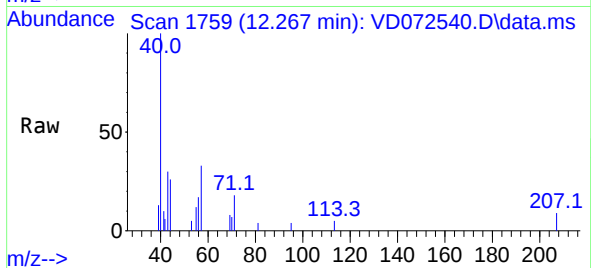
Tgt Ion:	152	Resp:	36594
Ion	Ratio	Lower	Upper
152	100		
115	58.8	31.3	93.8
150	157.2	0.0	348.6



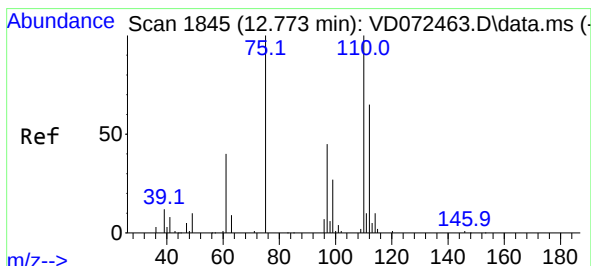
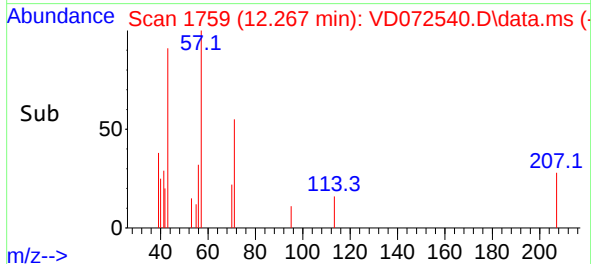
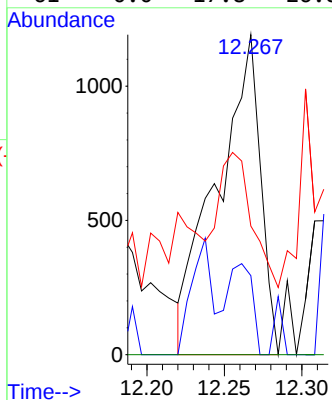


#74
N-amy1 acetate
Concen: 3.762 ug/l
RT: 12.267 min Scan# 11
Delta R.T. -0.012 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

Instrument :
MSVOA_D
ClientSampleId :
OK-01-040422

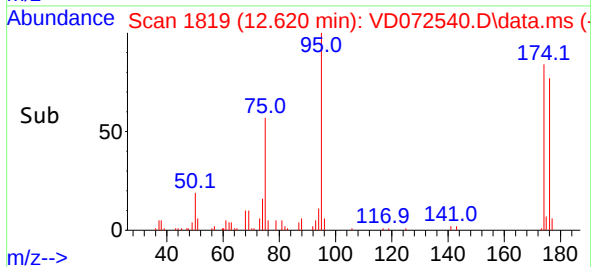
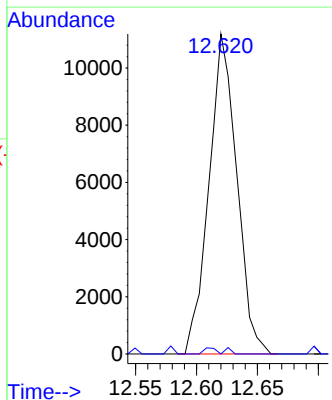
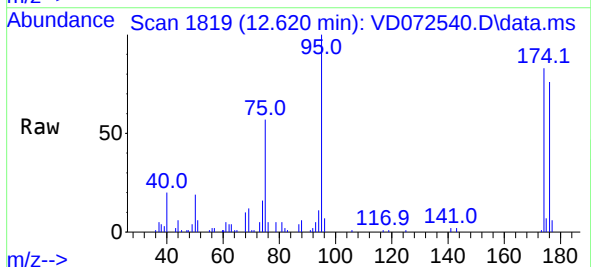


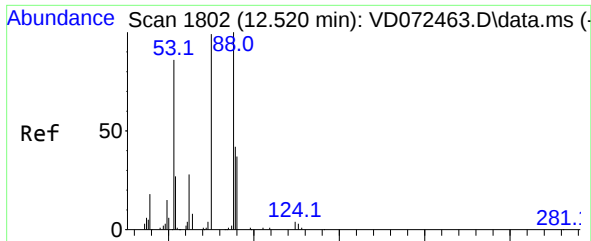
Tgt Ion: 43 Resp: 2333
Ion Ratio Lower Upper
43 100
70 14.4 31.3 46.9#
55 34.9 20.0 30.0#
61 0.0 17.8 26.8#



#76
1,2,3-Trichloropropane
Concen: 44.556 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072540.D
Acq: 05 Apr 2022 17:39

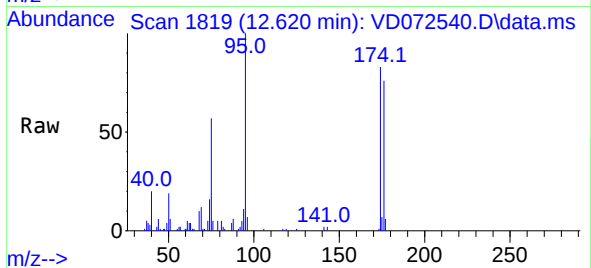
Tgt Ion: 75 Resp: 17783
Ion Ratio Lower Upper
75 100
77 0.8 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.332 ug/l
 RT: 12.620 min Scan# 11
 Delta R.T. 0.100 min
 Lab File: VD072540.D
 Acq: 05 Apr 2022 17:39

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-01-040422



Tgt Ion: 75 Resp: 17783
 Ion Ratio Lower Upper
 75 100
 53 0.4 86.5 129.7#
 89 0.0 33.9 50.9#

