

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051722\
 Data File : VD073060.D
 Acq On : 17 May 2022 16:42
 Operator : VA/SY
 Sample : N2829-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 OK-02-051222

Quant Time: May 18 03:21:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 17 13:03:08 2022
 Response via : Initial Calibration

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

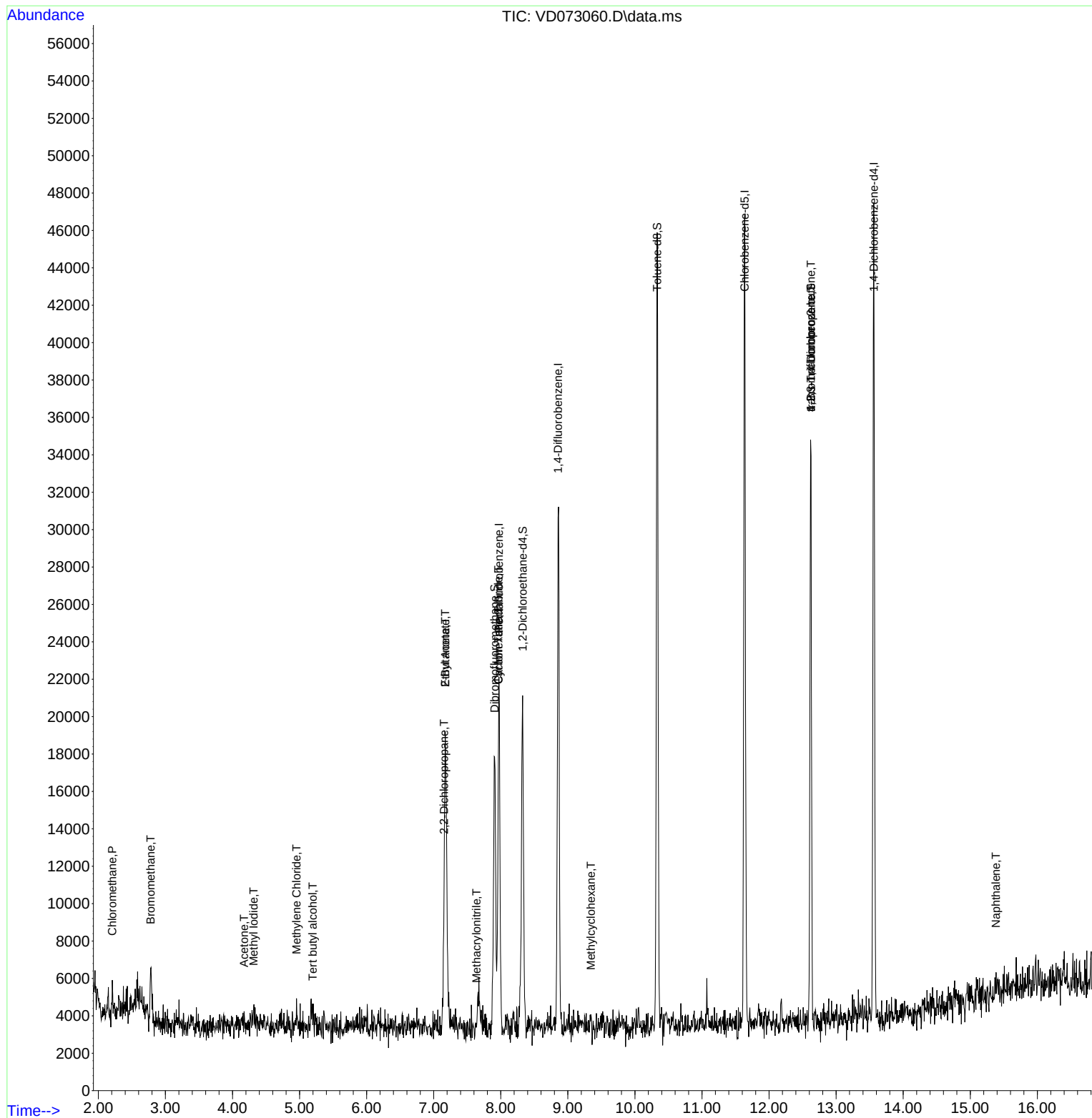
Internal Standards						
1) Pentafluorobenzene	7.973	168	13208	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	22061	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	25910	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	11005	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	13616	82.433	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 164.860%#	
35) Dibromofluoromethane	7.908	113	10958	70.746	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 141.500%	
50) Toluene-d8	10.332	98	27330	48.637	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.280%	
62) 4-Bromofluorobenzene	12.626	95	10517	51.674	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.340%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	747	4.387	ug/l	98
5) Bromomethane	2.779	94	1940	17.443	ug/l #	77
10) Methyl Iodide	4.314	142	994	8.882	ug/l #	89
11) Tert butyl alcohol	5.197	59	477	18.670	ug/l #	74
16) Acetone	4.173	43	72	2.409	ug/l #	47
20) Methylene Chloride	4.956	84	467	2.153	ug/l #	38
25) 2-Butanone	7.173	43	607	13.411	ug/l #	52
26) 2,2-Dichloropropane	7.156	77	497	1.808	ug/l #	54
31) Cyclohexane	7.967	56	491	1.650	ug/l #	61
37) Ethyl Acetate	7.173	43	607	5.727	ug/l #	1
38) Carbon Tetrachloride	7.967	117	1048	4.059	ug/l #	13
39) Methylcyclohexane	9.344	83	338	1.149	ug/l #	46
41) Methacrylonitrile	7.638	41	68	1.138	ug/l #	27
76) 1,2,3-Trichloropropane	12.626	75	6072	48.230	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	6072	117.032	ug/l #	7
95) Naphthalene	15.384	128	143	4.565	ug/l #	70

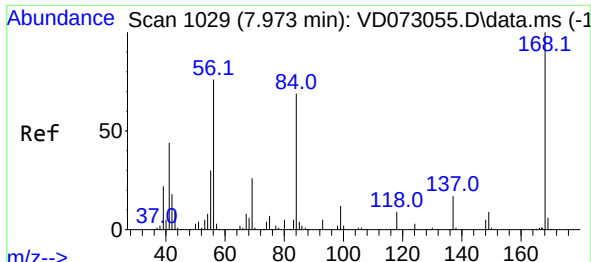
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_D
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OK-02-051222

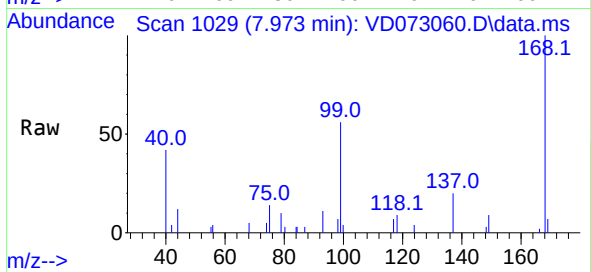
Quant Time: May 18 03:21:05 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
Quant Title : SW846 8260
QLast Update : Tue May 17 13:03:08 2022
Response via : Initial Calibration



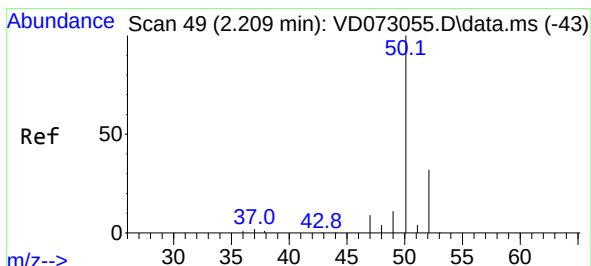
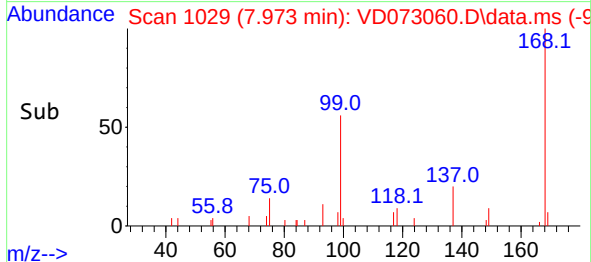
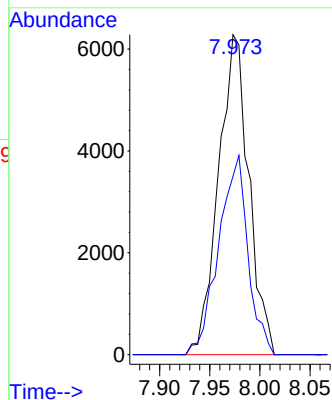


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

Instrument :
MSVOA_D
ClientSampleId :
OK-02-051222

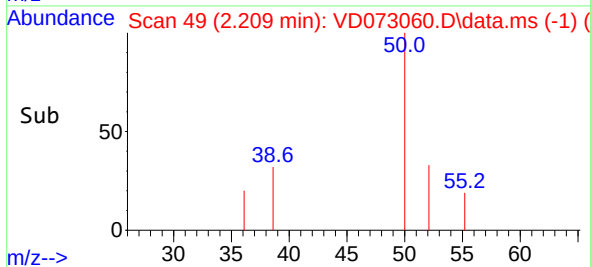
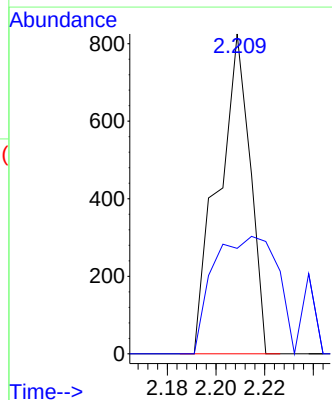
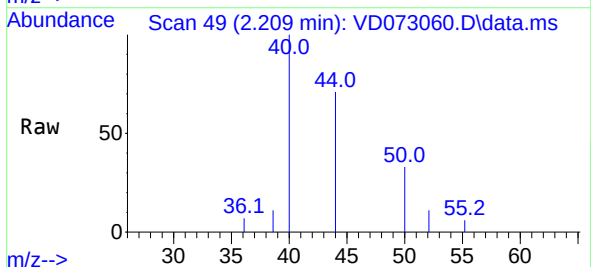


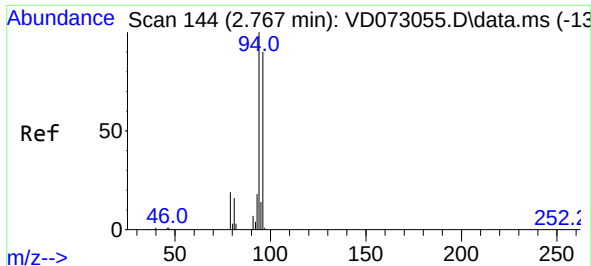
Tgt Ion:168 Resp: 13208
Ion Ratio Lower Upper
168 100
99 55.7 49.8 74.6



#3
Chloromethane
Concen: 4.387 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

Tgt Ion: 50 Resp: 747
Ion Ratio Lower Upper
50 100
52 33.0 27.4 41.0

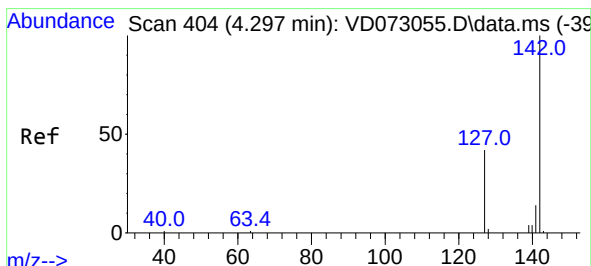
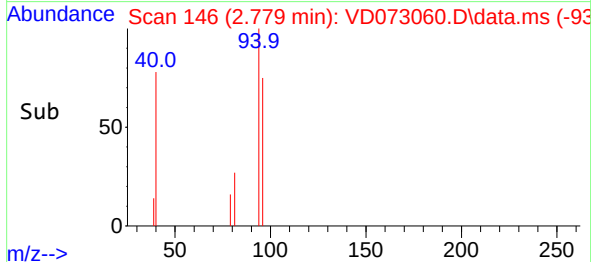
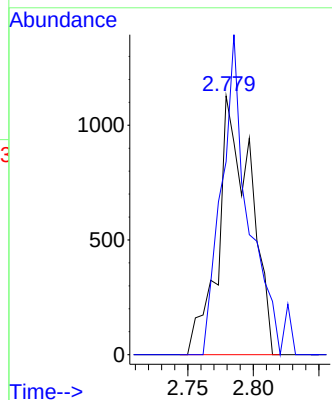
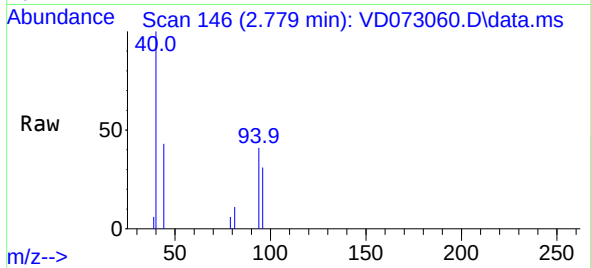




#5
Bromomethane
Concen: 17.443 ug/l
RT: 2.779 min Scan# 144
Delta R.T. 0.012 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

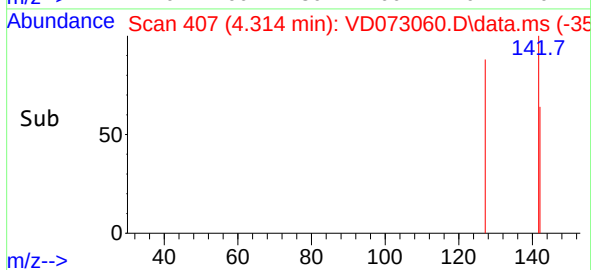
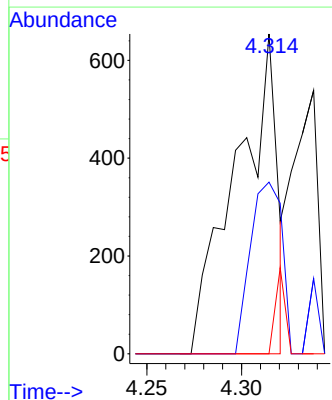
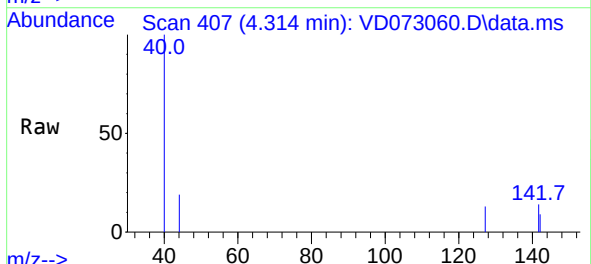
Instrument :
MSVOA_D
ClientSampleId :
OK-02-051222

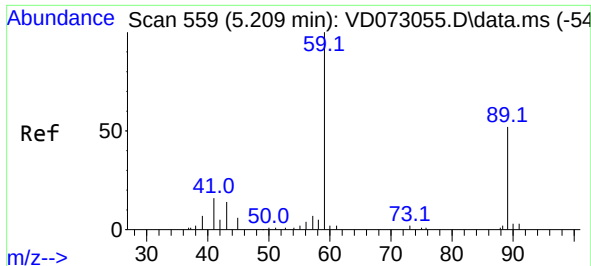
Tgt Ion: 94 Resp: 1940
Ion Ratio Lower Upper
94 100
96 74.6 77.6 116.4#



#10
Methyl Iodide
Concen: 8.882 ug/l
RT: 4.314 min Scan# 407
Delta R.T. 0.017 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

Tgt Ion: 142 Resp: 994
Ion Ratio Lower Upper
142 100
127 40.9 37.3 55.9
141 6.2 11.7 17.5#

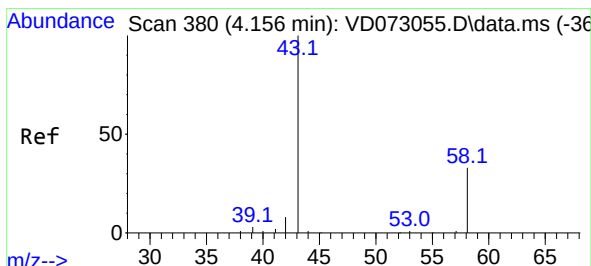
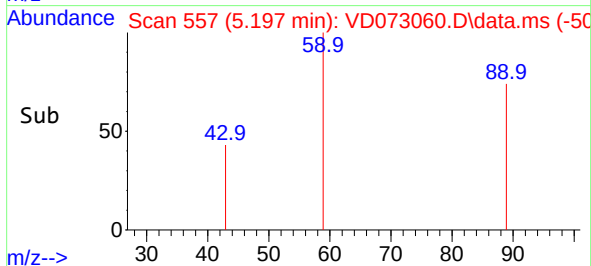
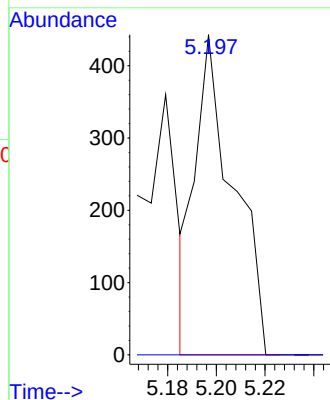
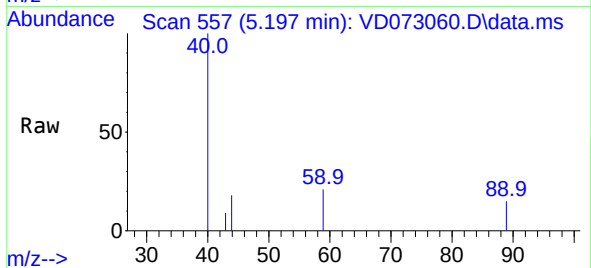




#11
Tert butyl alcohol
Concen: 18.670 ug/l
RT: 5.197 min Scan# 51
Delta R.T. -0.012 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

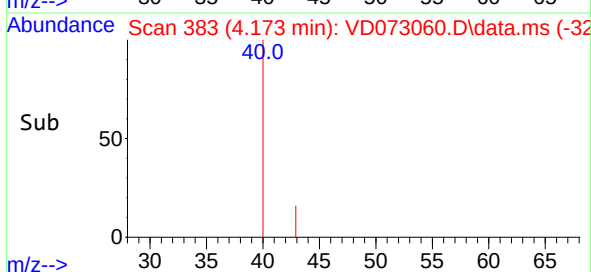
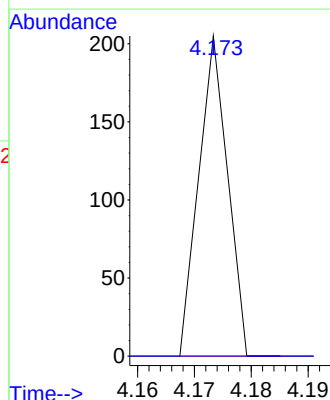
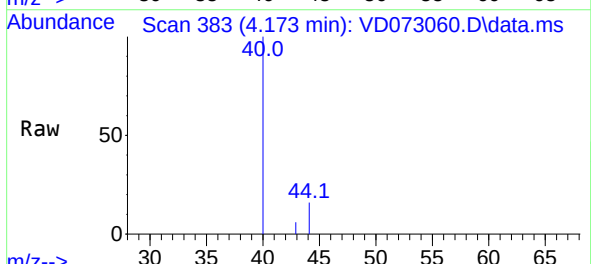
Instrument :
MSVOA_D
ClientSampleId :
OK-02-051222

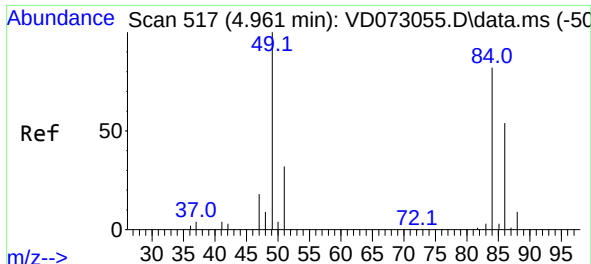
Tgt Ion: 59 Resp: 477
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 2.409 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.017 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

Tgt Ion: 43 Resp: 72
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

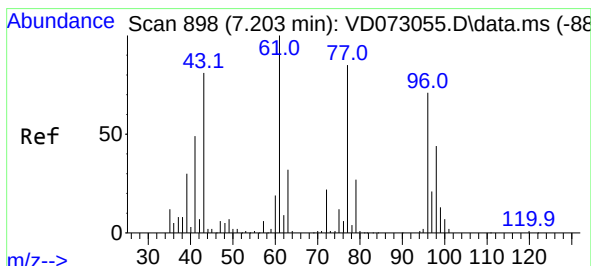
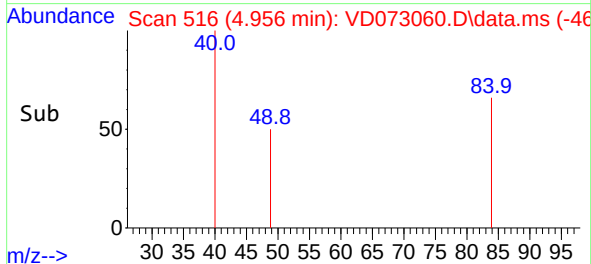
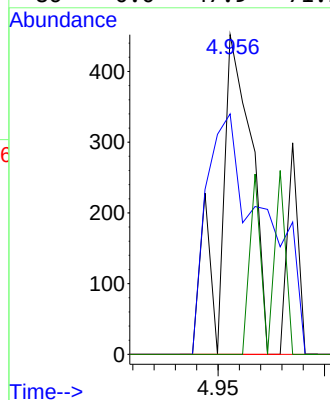
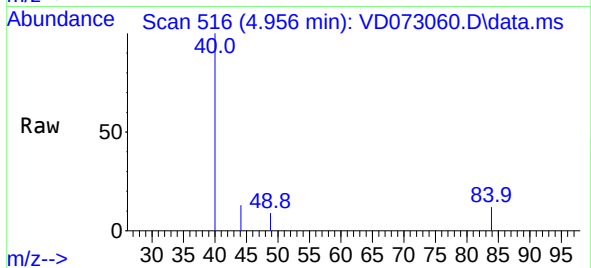




#20
Methylene Chloride
Concen: 2.153 ug/l
RT: 4.956 min Scan# 517
Delta R.T. -0.005 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

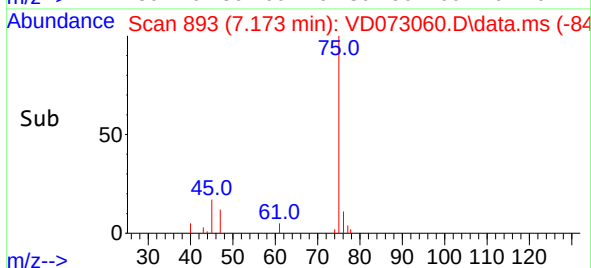
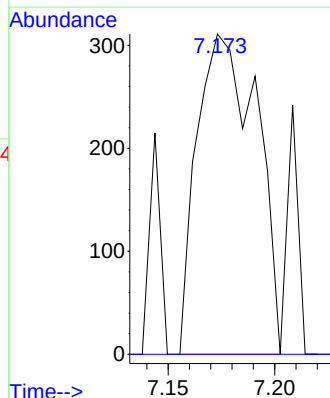
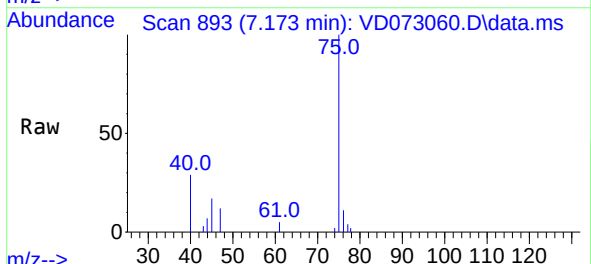
Instrument :
MSVOA_D
ClientSampleId :
OK-02-051222

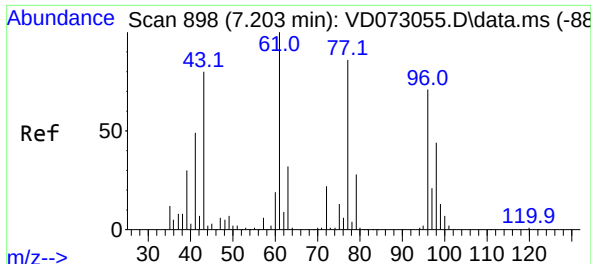
Tgt Ion:	84	Resp:	467
Ion	Ratio	Lower	Upper
84	100		
49	75.2	112.8	169.2#
51	0.0	32.6	48.8#
86	0.0	47.9	71.9#



#25
2-Butanone
Concen: 13.411 ug/l
RT: 7.173 min Scan# 893
Delta R.T. -0.030 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

Tgt Ion:	43	Resp:	607
Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#26

2,2-Dichloropropane

Concen: 1.808 ug/l

RT: 7.156 min Scan# 89

Delta R.T. -0.047 min

Lab File: VD073060.D

Acq: 17 May 2022 16:42

Instrument :

MSVOA_D

ClientSampleId :

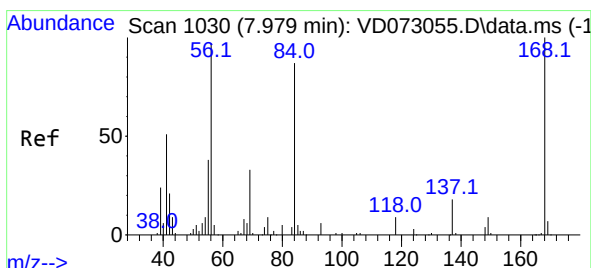
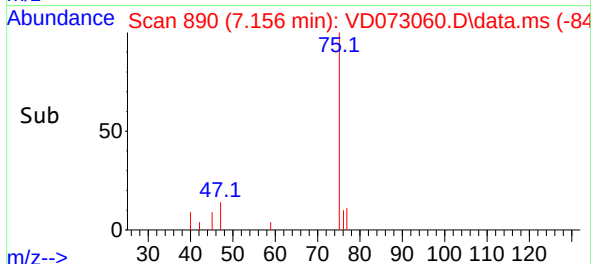
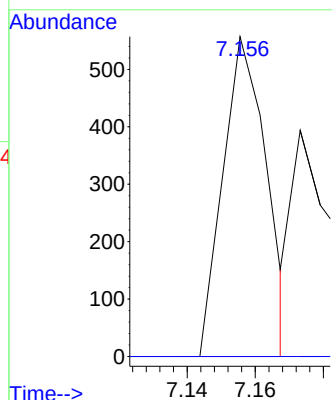
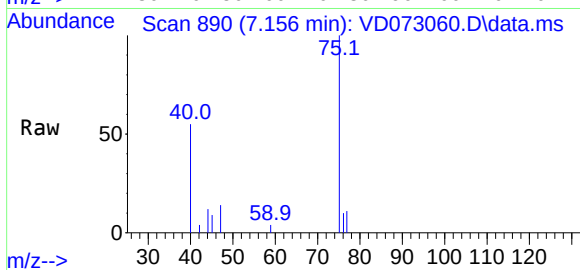
OK-02-051222

Tgt Ion: 77 Resp: 497

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.650 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073060.D

Acq: 17 May 2022 16:42

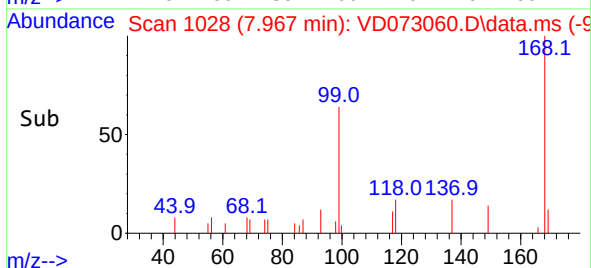
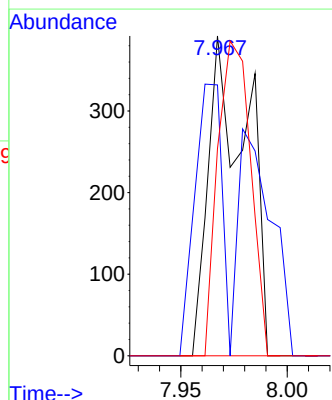
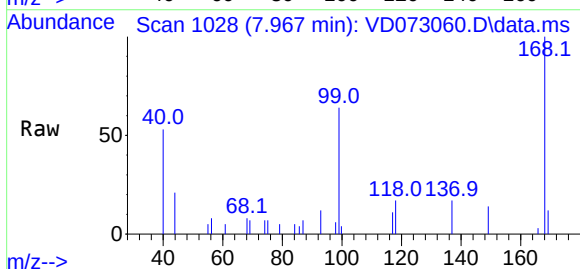
Tgt Ion: 56 Resp: 491

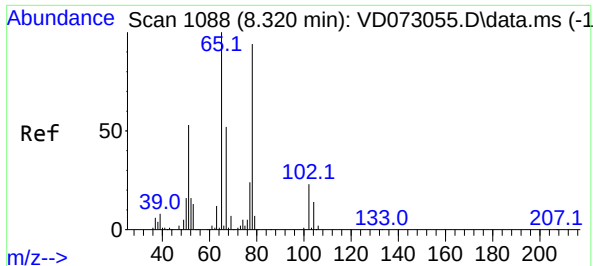
Ion Ratio Lower Upper

56 100

69 84.7 25.4 38.2#

84 64.8 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 82.433 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VD073060.D

Acq: 17 May 2022 16:42

Instrument :

MSVOA_D

ClientSampleId :

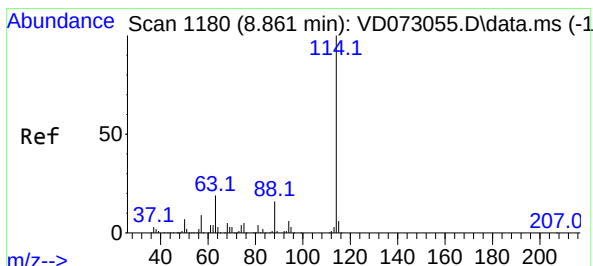
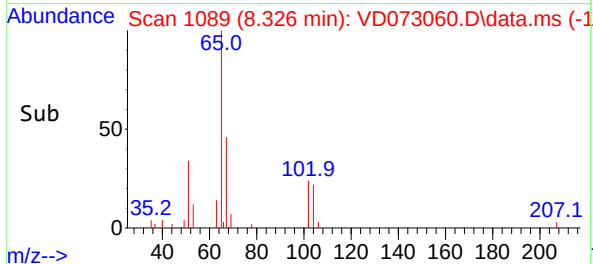
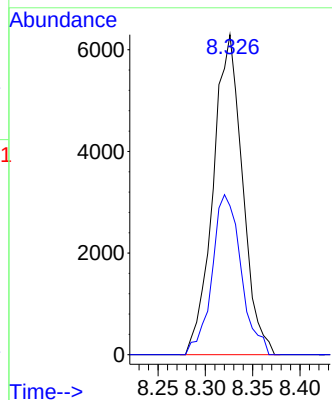
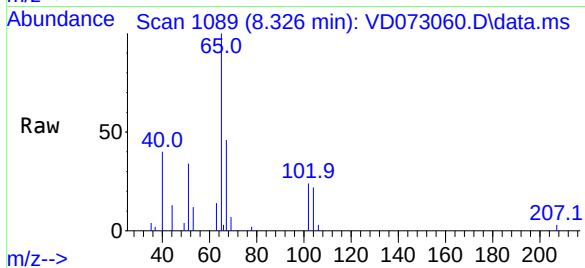
OK-02-051222

Tgt Ion: 65 Resp: 13616

Ion Ratio Lower Upper

65 100

67 49.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD073060.D

Acq: 17 May 2022 16:42

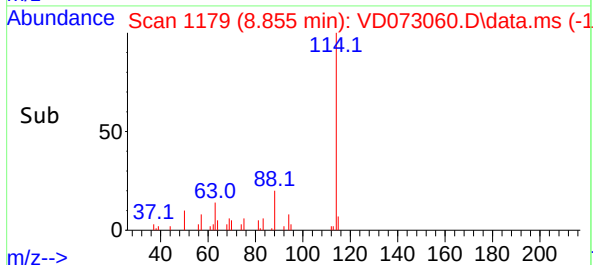
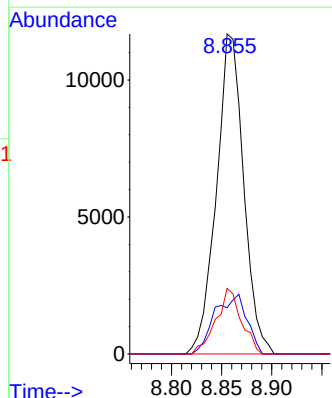
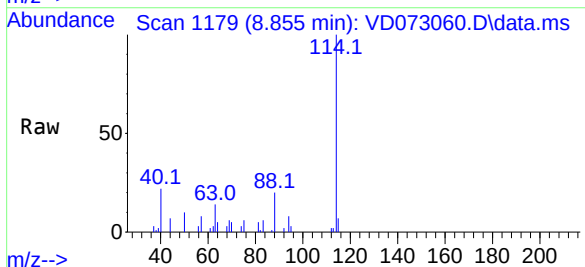
Tgt Ion: 114 Resp: 22061

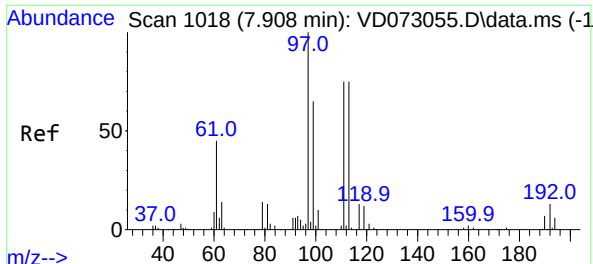
Ion Ratio Lower Upper

114 100

63 14.5 0.0 46.6

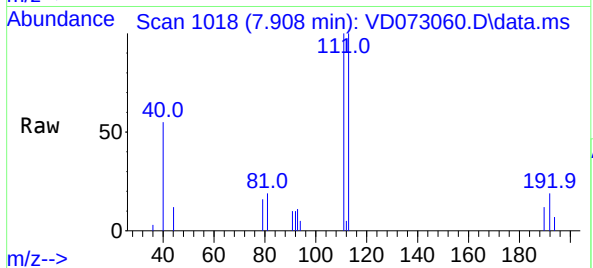
88 20.5 0.0 33.2



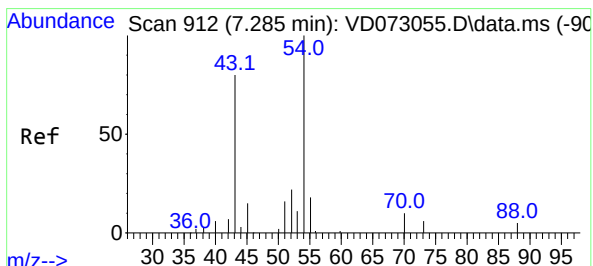
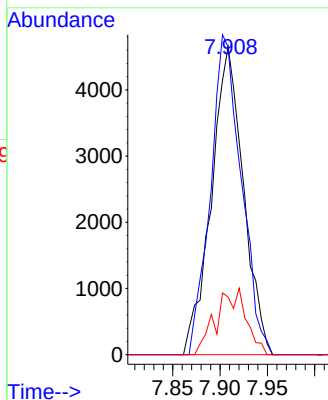
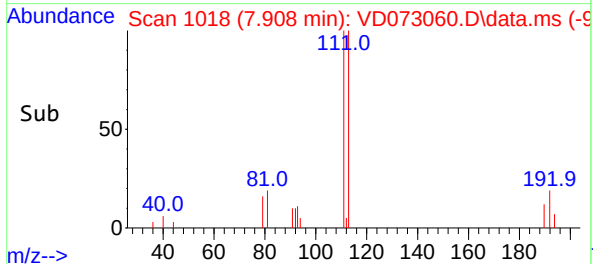


#35
Dibromofluoromethane
Concen: 70.746 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

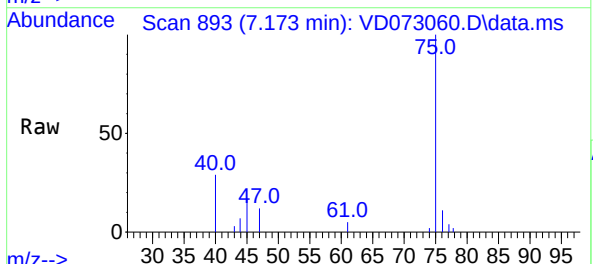
Instrument :
MSVOA_D
ClientSampleId :
OK-02-051222



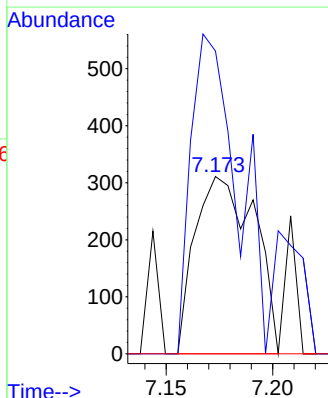
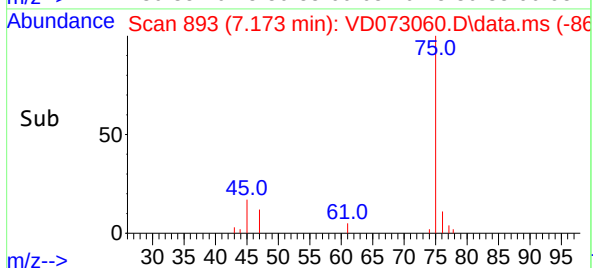
Tgt Ion:113 Resp: 10958
Ion Ratio Lower Upper
113 100
111 99.9 83.8 125.6
192 20.1 14.6 21.8

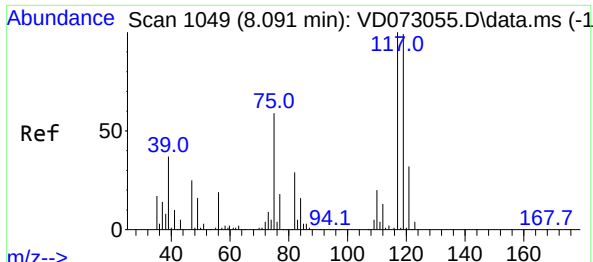


#37
Ethyl Acetate
Concen: 5.727 ug/l
RT: 7.173 min Scan# 893
Delta R.T. -0.112 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42



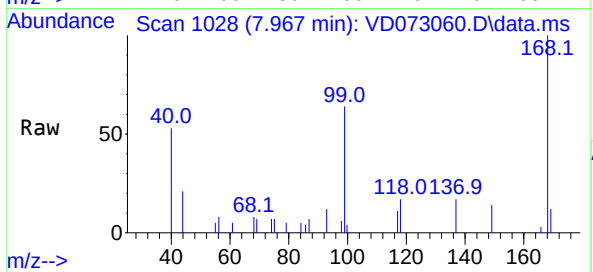
Tgt Ion: 43 Resp: 607
Ion Ratio Lower Upper
43 100
61 140.2 9.8 14.8#
70 0.0 6.9 10.3#



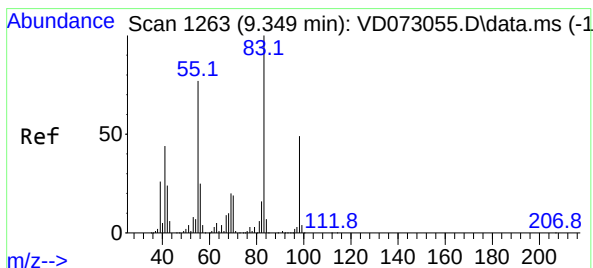
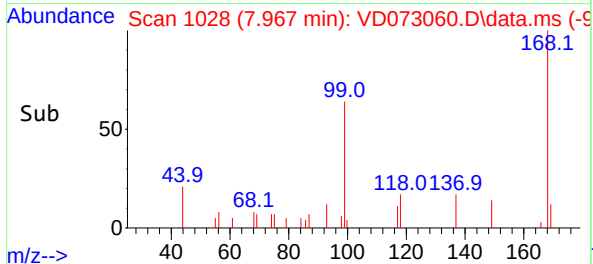
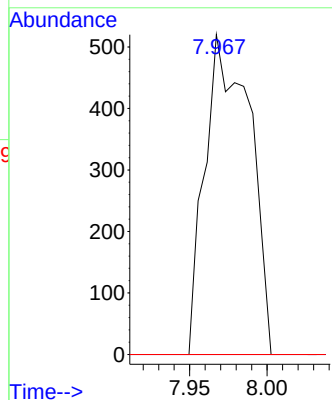


#38
Carbon Tetrachloride
Concen: 4.059 ug/l
RT: 7.967 min Scan# 1048
Delta R.T. -0.124 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

Instrument : MSVOA_D
ClientSampleId : OK-02-051222

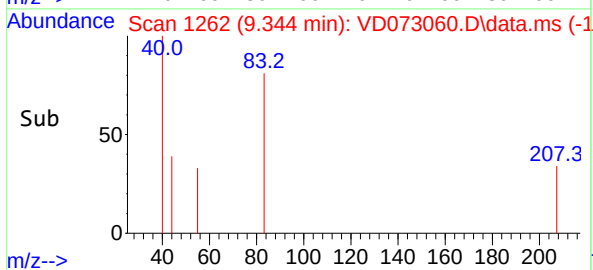
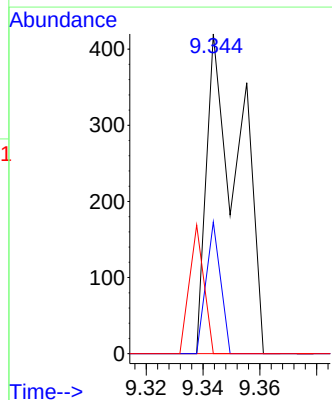
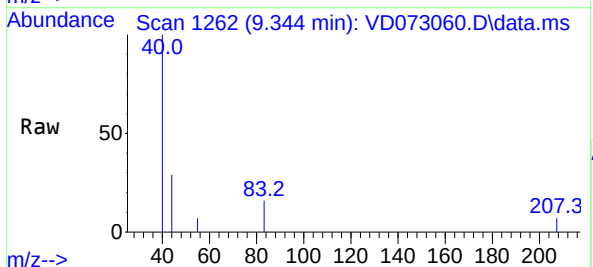


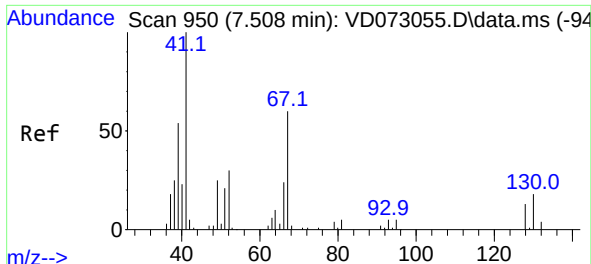
Tgt Ion:117 Resp: 1048
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 1.149 ug/l
RT: 9.344 min Scan# 1262
Delta R.T. -0.005 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

Tgt Ion: 83 Resp: 338
Ion Ratio Lower Upper
83 100
55 41.2 63.2 94.8#
98 0.0 38.2 57.4#

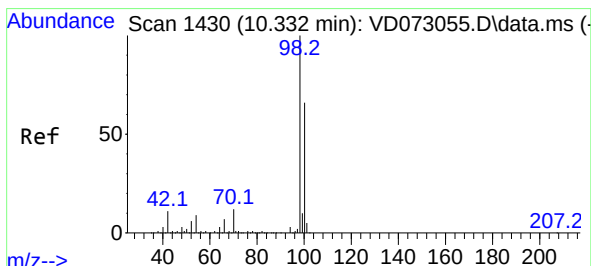
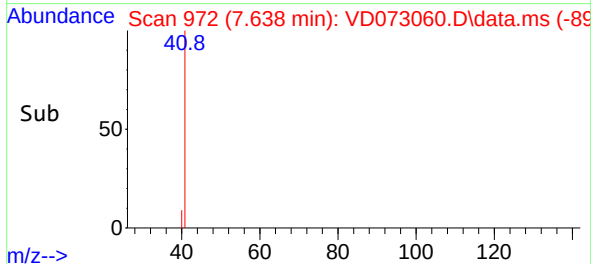
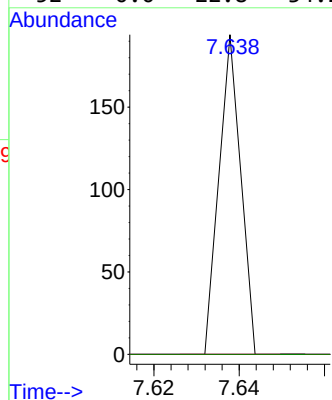
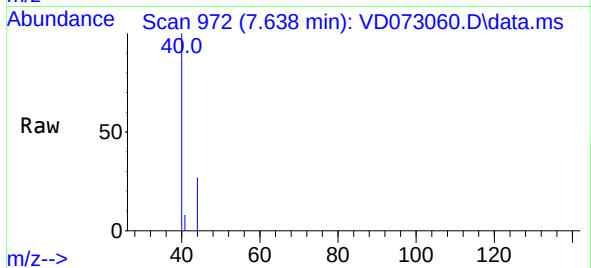




#41
Methacrylonitrile
Concen: 1.138 ug/l
RT: 7.638 min Scan# 91
Delta R.T. 0.130 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

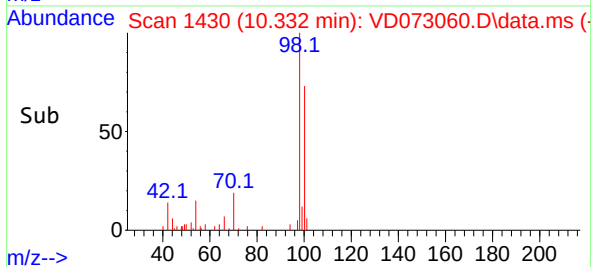
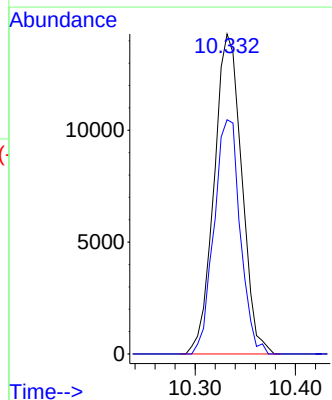
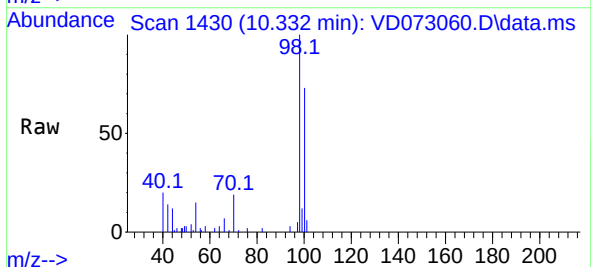
Instrument :
MSVOA_D
ClientSampleId :
OK-02-051222

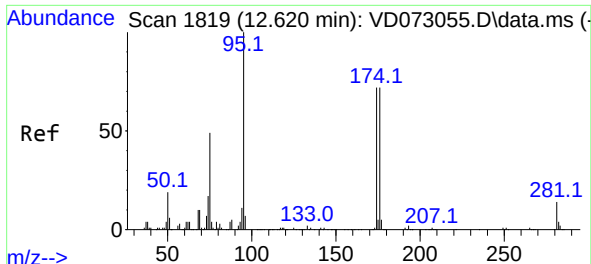
Tgt Ion:	41	Resp:	68
Ion	Ratio	Lower	Upper
41	100		
39	0.0	44.6	67.0#
67	0.0	48.2	72.4#
52	0.0	22.8	34.2#



#50
Toluene-d8
Concen: 48.637 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

Tgt Ion:	98	Resp:	27330
Ion	Ratio	Lower	Upper
98	100		
100	69.4	52.4	78.6

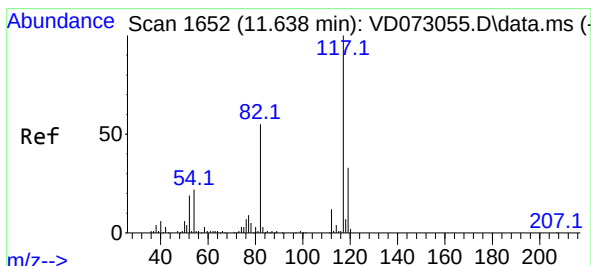
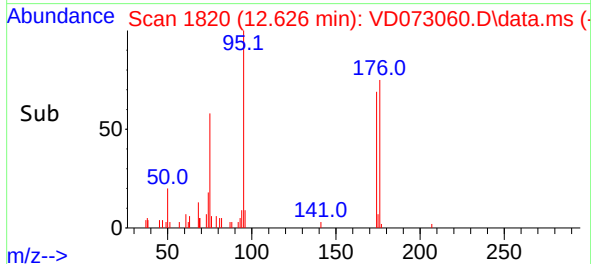
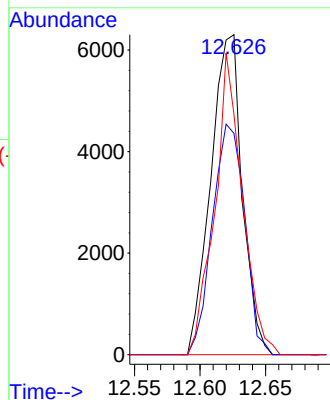
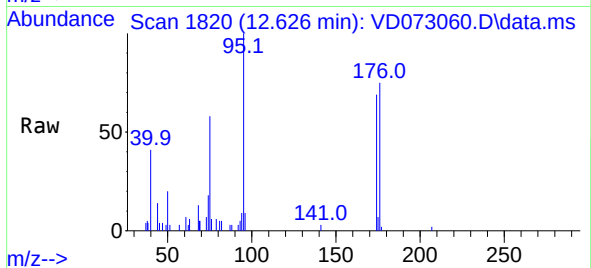




#62
4-Bromofluorobenzene
Concen: 51.674 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

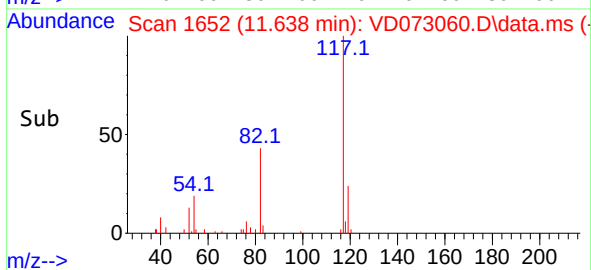
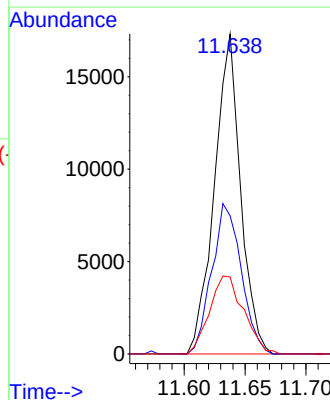
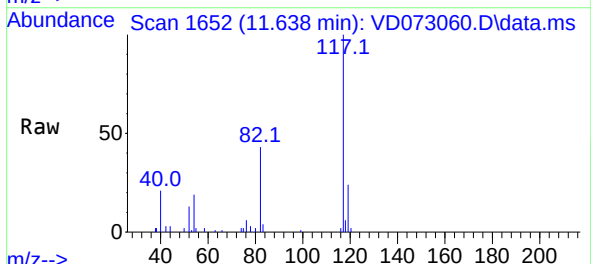
Instrument :
MSVOA_D
ClientSampleId :
OK-02-051222

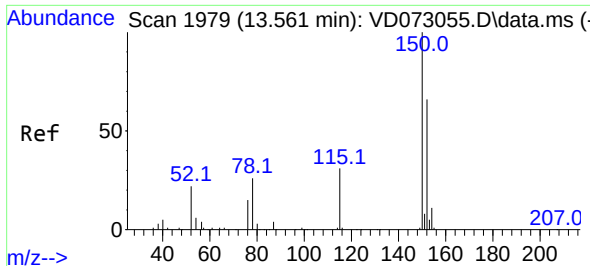
Tgt Ion:	95	Resp:	10517
Ion	Ratio	Lower	Upper
95	100		
174	74.1	0.0	152.8
176	82.7	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

Tgt Ion:	117	Resp:	25910
Ion	Ratio	Lower	Upper
117	100		
82	43.2	45.3	67.9#
119	24.1	26.6	40.0#

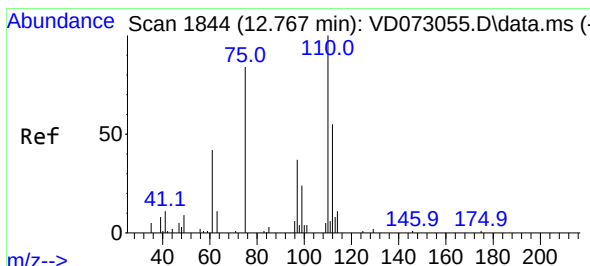
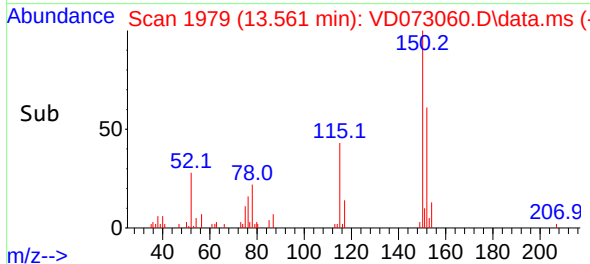
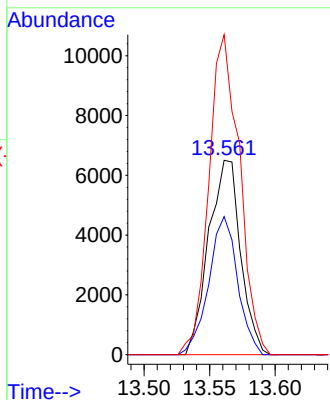
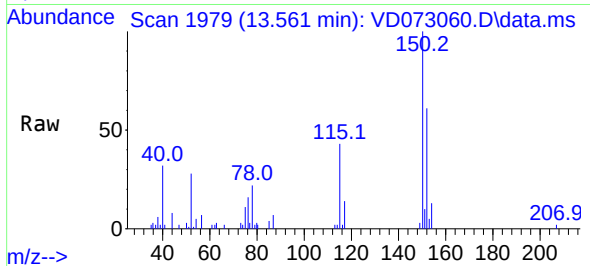




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

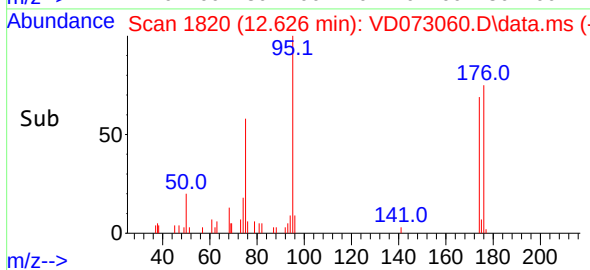
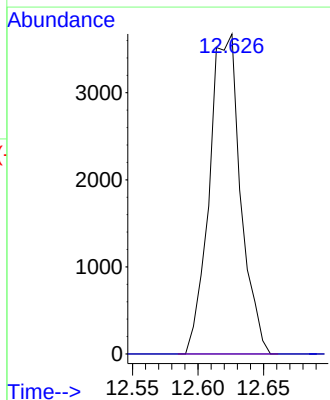
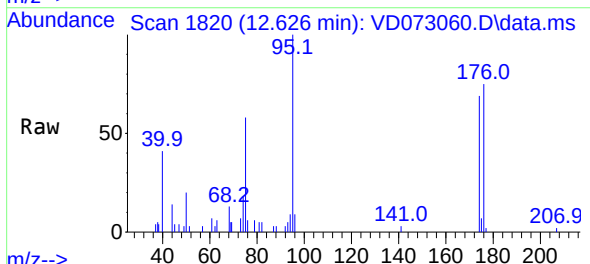
Instrument :
MSVOA_D
ClientSampleId :
OK-02-051222

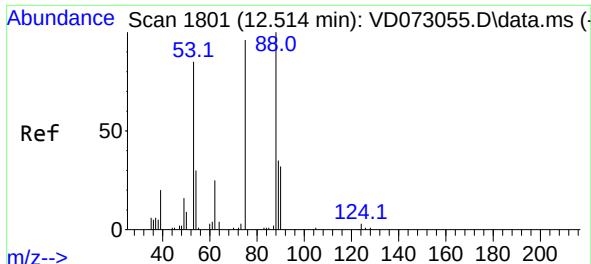
Tgt Ion:152 Resp: 11005
Ion Ratio Lower Upper
152 100
115 64.5 31.3 93.8
150 158.1 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 48.230 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.141 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

Tgt Ion: 75 Resp: 6072
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

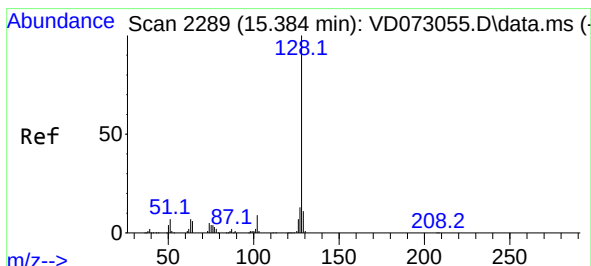
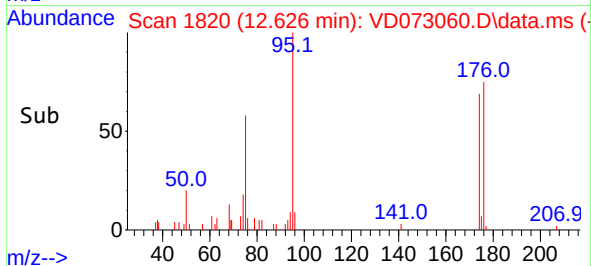
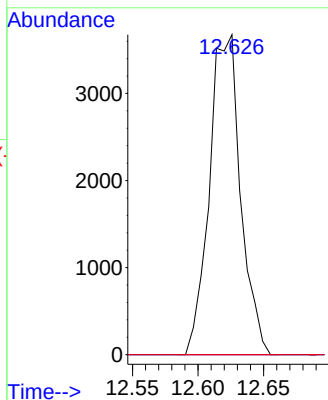
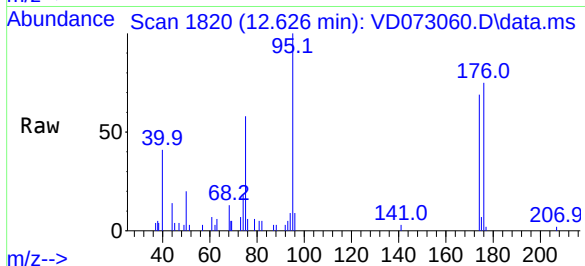




#81
trans-1,4-Dichloro-2-butene
Concen: 117.032 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.112 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

Instrument :
MSVOA_D
ClientSampleId :
OK-02-051222

Tgt Ion: 75 Resp: 6072
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.565 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.000 min
Lab File: VD073060.D
Acq: 17 May 2022 16:42

Tgt Ion: 128 Resp: 143
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

