

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062323\
 Data File : VD076558.D
 Acq On : 23 Jun 2023 15:04
 Operator : KP/SY
 Sample : 03366-03RE
 Misc : 4.99G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB38RE

Quant Time: Jun 23 16:33:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

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

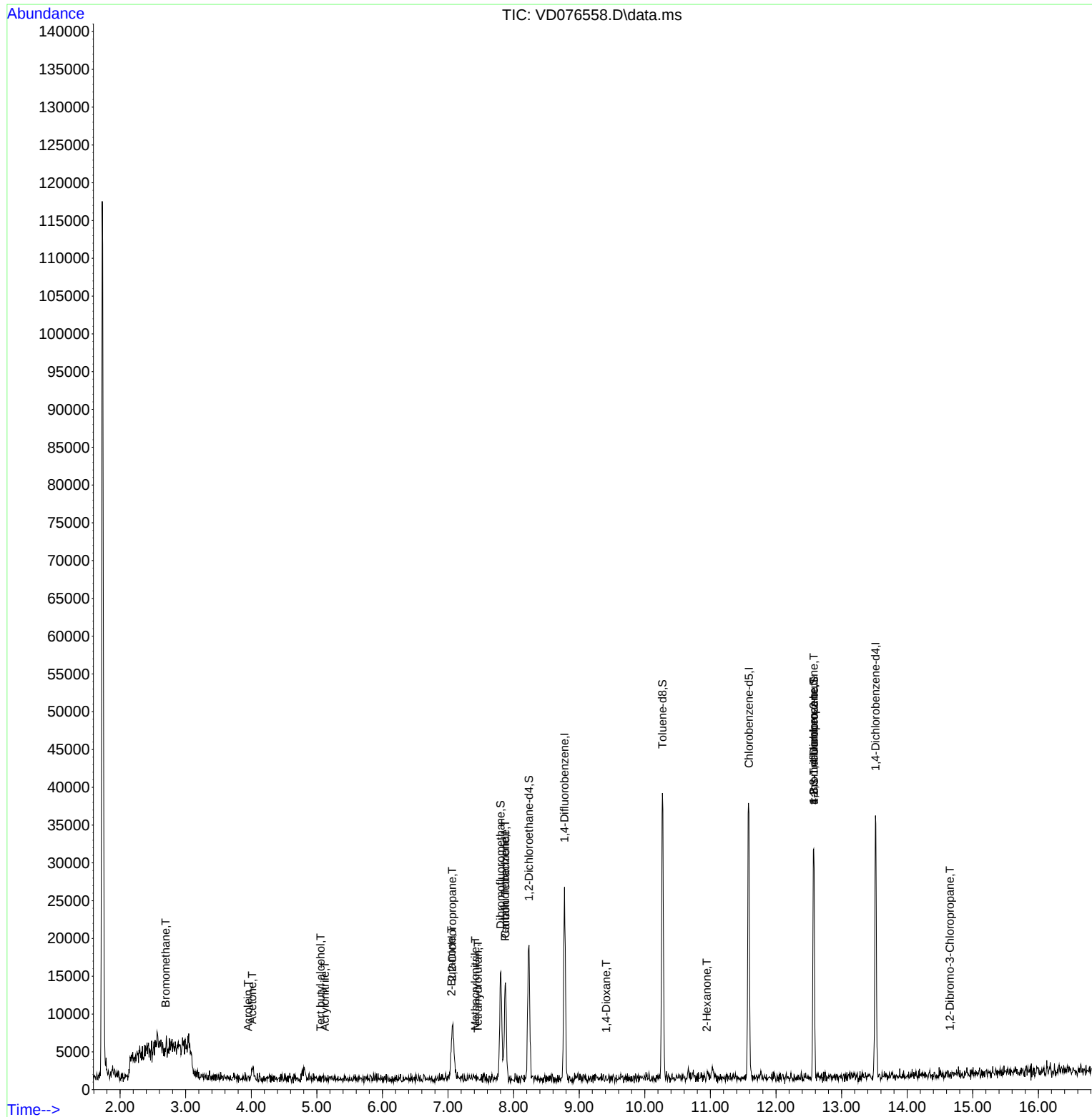
Internal Standards						
1) Pentafluorobenzene	7.869	168	9954	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	20362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	20041	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	9189	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	12787	128.215	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 256.440%#			
35) Dibromofluoromethane	7.799	113	9278	76.700	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 153.400%#			
50) Toluene-d8	10.269	98	26734	58.276	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 116.560%			
62) 4-Bromofluorobenzene	12.575	95	8380	56.285	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 112.580%			
Target Compounds						Qvalue
5) Bromomethane	2.693	94	116	1.017	ug/l #	57
11) Tert butyl alcohol	5.058	59	58	6.736	ug/l #	1
13) Acrolein	3.952	56	68	7.332	ug/l #	15
15) Acrylonitrile	5.122	53	59	2.111	ug/l #	18
16) Acetone	4.017	43	2168	91.353	ug/l #	32
20) Methylene Chloride	4.787	84	299	Below Cal	#	81
25) 2-Butanone	7.052	43	505	13.758	ug/l #	37
26) 2,2-Dichloropropane	7.063	77	201	1.159	ug/l #	49
28) Bromochloromethane	7.340	49	56	Below Cal	#	1
29) Tetrahydrofuran	7.458	42	217	9.199	ug/l #	23
31) Cyclohexane	7.887	56	208	Below Cal	#	1
38) Carbon Tetrachloride	7.875	117	1011	6.677	ug/l #	11
41) Methacrylonitrile	7.416	41	89	1.606	ug/l #	1
49) 1,4-Dioxane	9.410	88	57	63.406	ug/l #	33
59) 2-Hexanone	10.946	43	210	3.178	ug/l #	16
76) 1,2,3-Trichloropropane	12.575	75	5442	59.672	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	5442	130.755	ug/l #	17
92) 1,2-Dibromo-3-Chloropr...	14.651	75	55	2.862	ug/l #	1

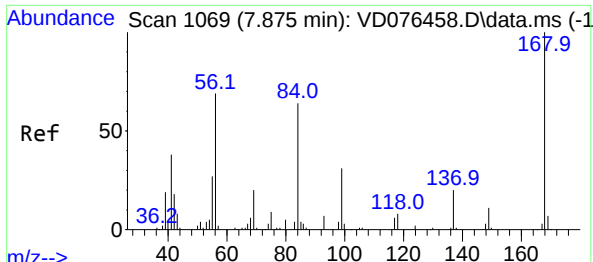
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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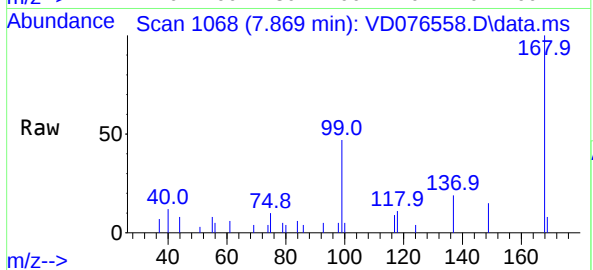
Quant Time: Jun 23 16:33:41 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
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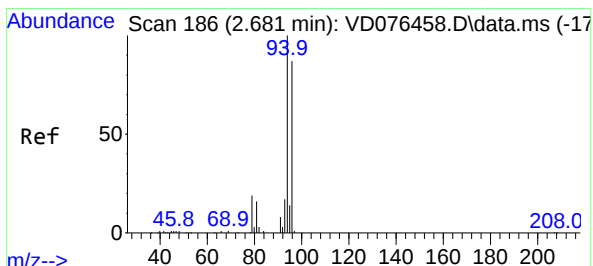
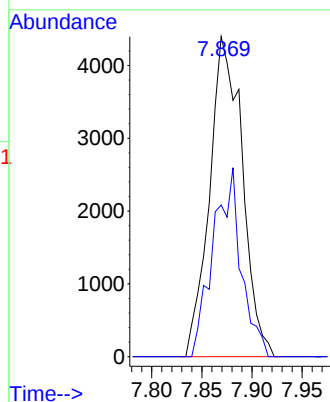
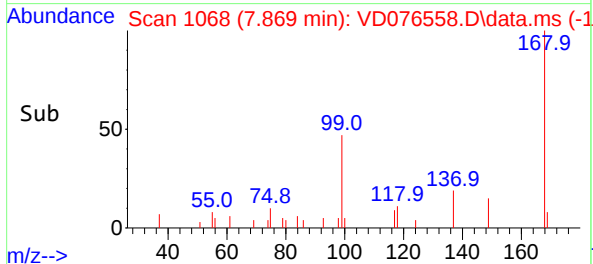


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.869 min Scan# 1069
Delta R.T. -0.006 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

Instrument :
MSVOA_D
ClientSampleId :
SB38RE

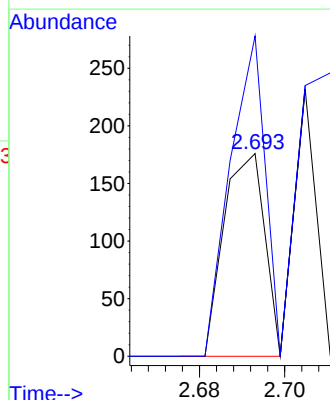
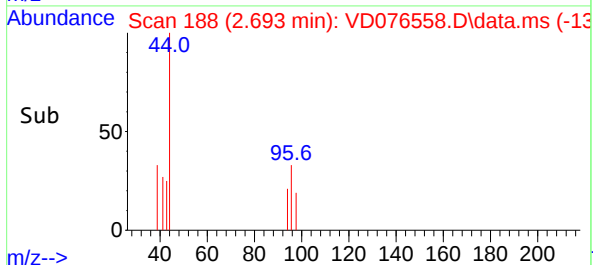
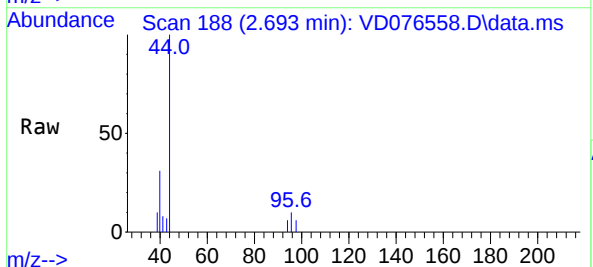


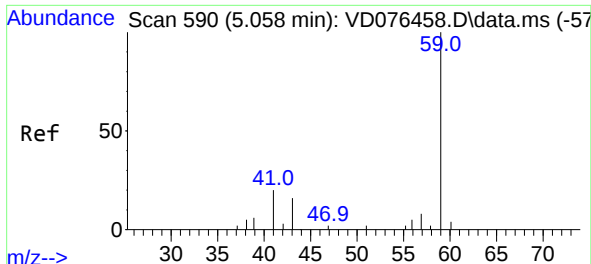
Tgt Ion:168 Resp: 9954
Ion Ratio Lower Upper
168 100
99 47.4 36.7 55.1



#5
Bromomethane
Concen: 1.017 ug/l
RT: 2.693 min Scan# 188
Delta R.T. 0.012 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

Tgt Ion: 94 Resp: 116
Ion Ratio Lower Upper
94 100
96 136.2 75.8 113.8#

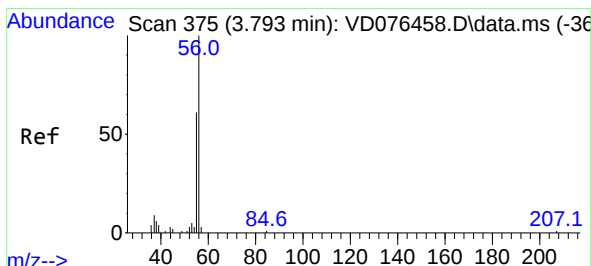
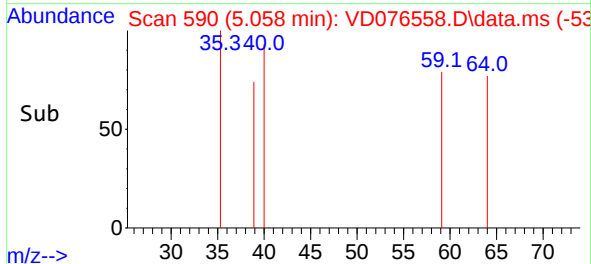
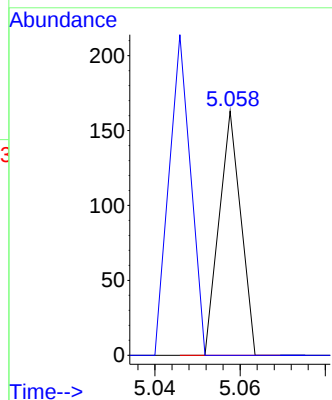
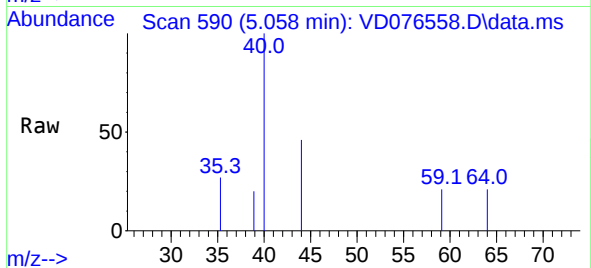




#11
Tert butyl alcohol
Concen: 6.736 ug/l
RT: 5.058 min Scan# 51
Delta R.T. -0.000 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

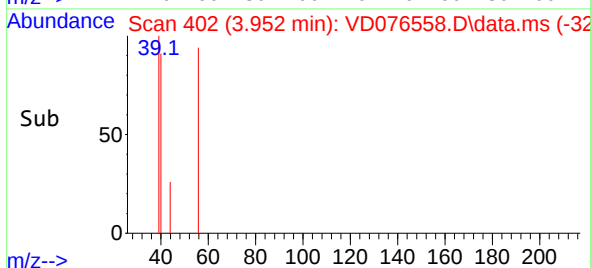
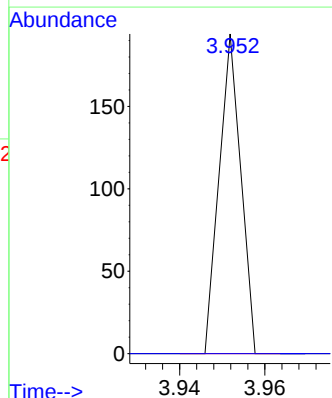
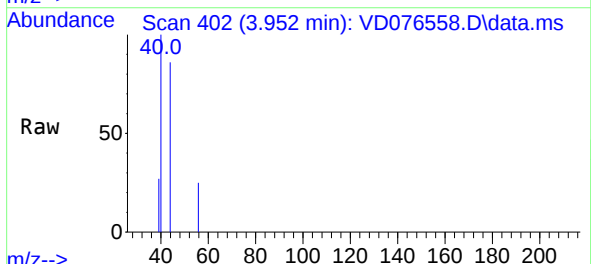
Instrument :
MSVOA_D
ClientSampleId :
SB38RE

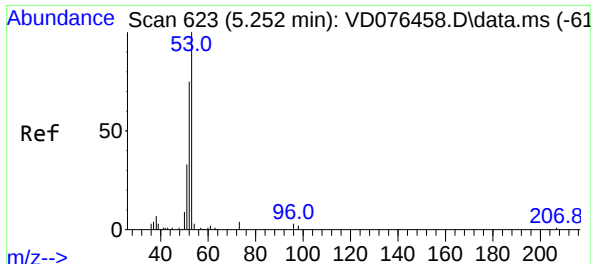
Tgt Ion: 59 Resp: 58
Ion Ratio Lower Upper
59 100
57 131.0 7.8 11.8#



#13
Acrolein
Concen: 7.332 ug/l
RT: 3.952 min Scan# 402
Delta R.T. 0.159 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

Tgt Ion: 56 Resp: 68
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#

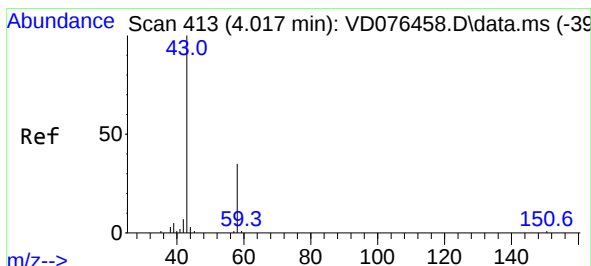
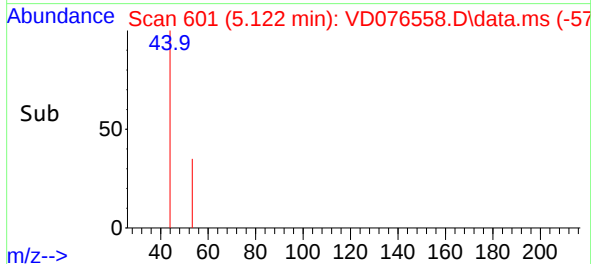
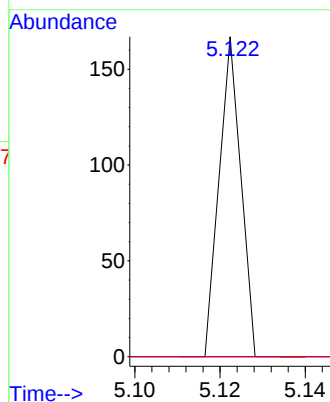
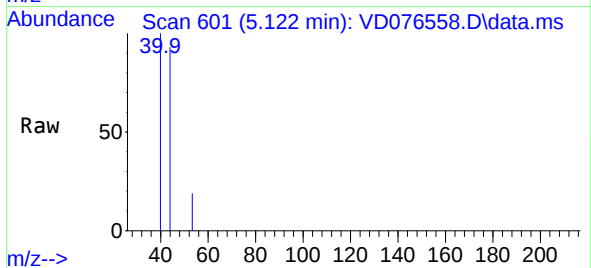




#15
Acrylonitrile
Concen: 2.111 ug/l
RT: 5.122 min Scan# 601
Delta R.T. -0.129 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

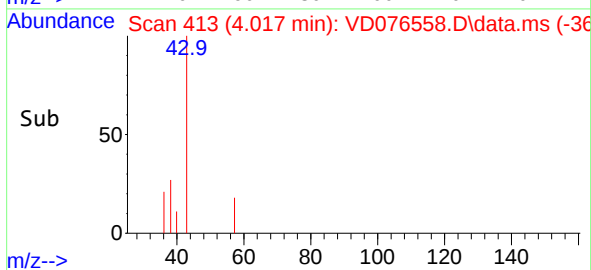
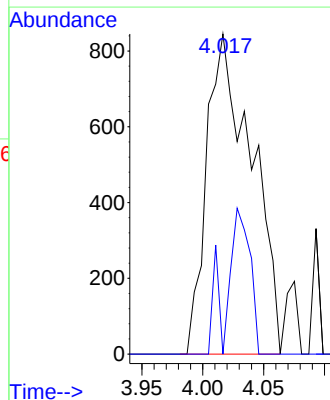
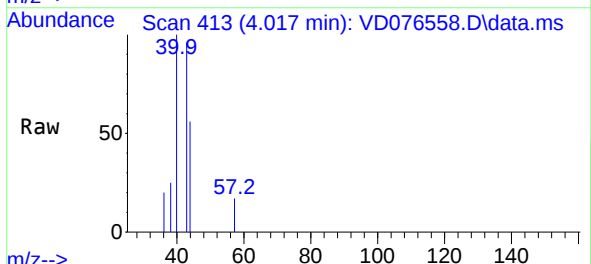
Instrument :
MSVOA_D
ClientSampleId :
SB38RE

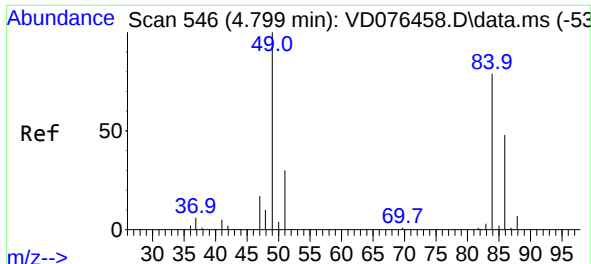
Tgt Ion: 53	Resp: 59
Ion Ratio	Lower Upper
53 100	
52 0.0	65.0 97.4#
51 0.0	28.3 42.5#



#16
Acetone
Concen: 91.353 ug/l
RT: 4.017 min Scan# 413
Delta R.T. -0.000 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

Tgt Ion: 43	Resp: 2168		
Ion Ratio	Lower	Upper	
43 100			
58 0.0	34.7	52.1#	

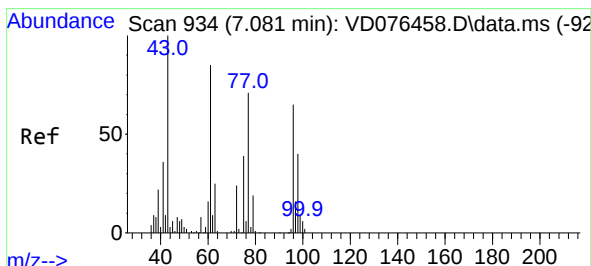
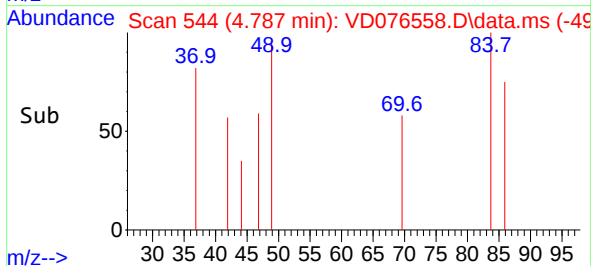
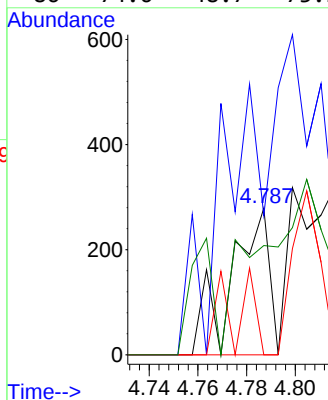
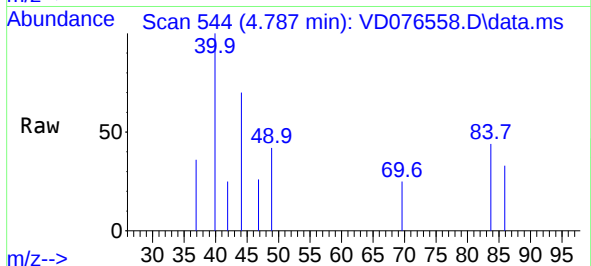




#20
Methylene Chloride
Concen: Below Cal
RT: 4.787 min Scan# 54
Delta R.T. -0.012 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

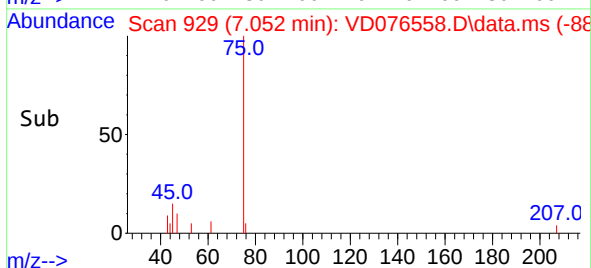
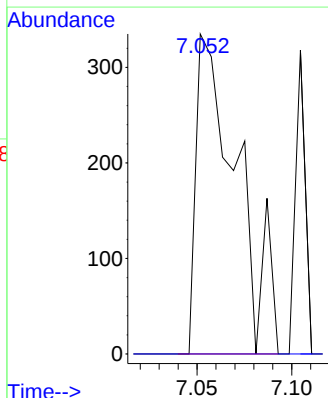
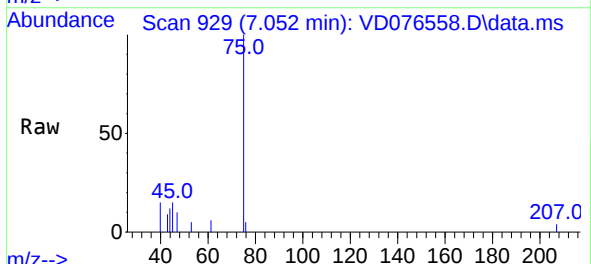
Instrument :
MSVOA_D
ClientSampleId :
SB38RE

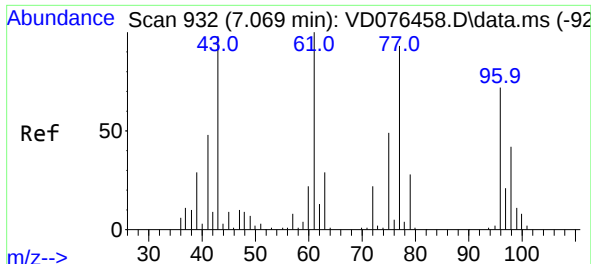
Tgt Ion:	84	Resp:	299
Ion	Ratio	Lower	Upper
84	100		
49	95.0	71.4	107.2
51	0.0	24.5	36.7#
86	74.6	48.7	73.1#



#25
2-Butanone
Concen: 13.758 ug/l
RT: 7.052 min Scan# 929
Delta R.T. -0.029 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

Tgt Ion:	43	Resp:	505
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#

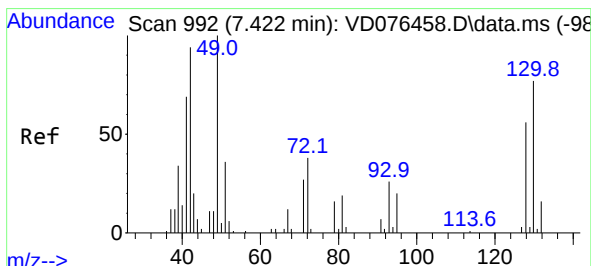
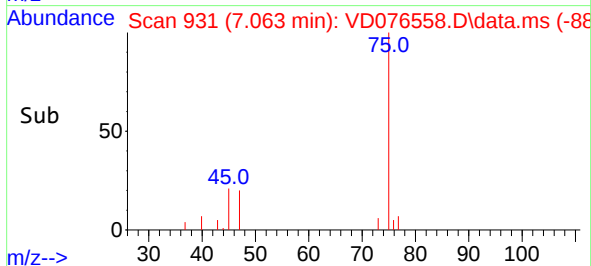
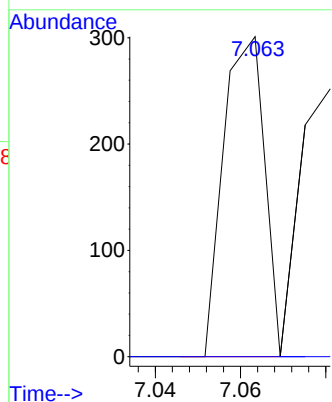
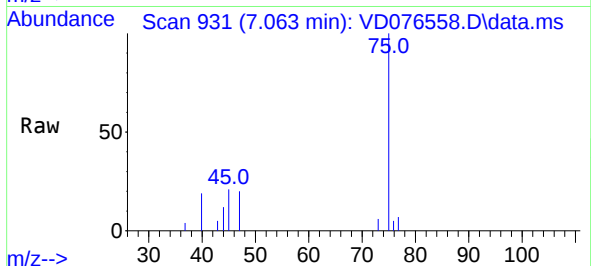




#26
2,2-Dichloropropane
Concen: 1.159 ug/l
RT: 7.063 min Scan# 91
Delta R.T. -0.006 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

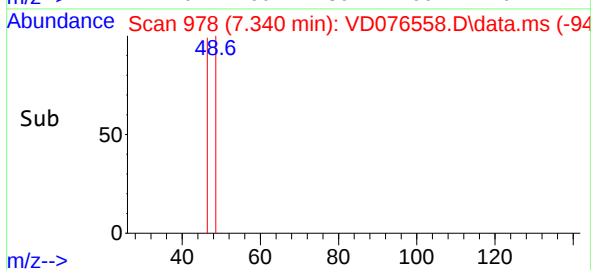
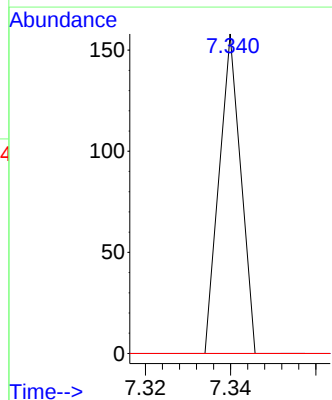
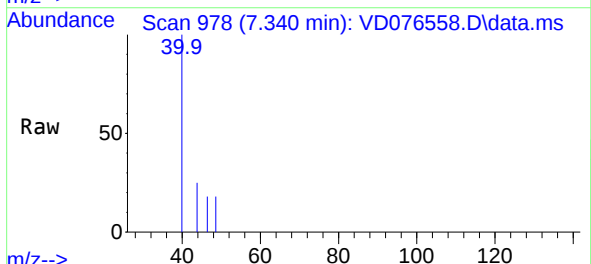
Instrument :
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ClientSampleId :
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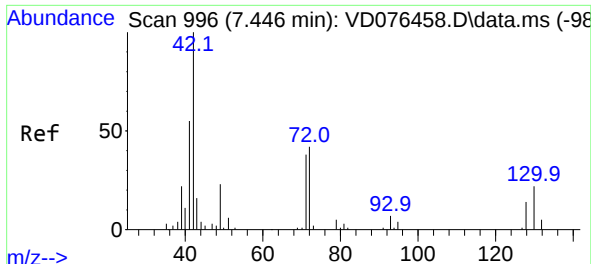
Tgt Ion: 77 Resp: 201
Ion Ratio Lower Upper
77 100
97 0.0 13.2 39.6#



#28
Bromochloromethane
Concen: Below Cal
RT: 7.340 min Scan# 978
Delta R.T. -0.082 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

Tgt Ion: 49 Resp: 56
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#





#29

Tetrahydrofuran

Concen: 9.199 ug/l

RT: 7.458 min Scan# 996

Delta R.T. 0.012 min

Lab File: VD076558.D

Acq: 23 Jun 2023 15:04

Instrument :

MSVOA_D

ClientSampleId :

SB38RE

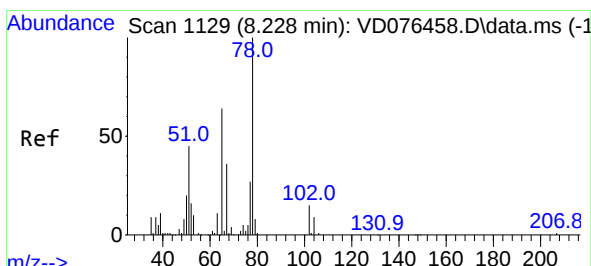
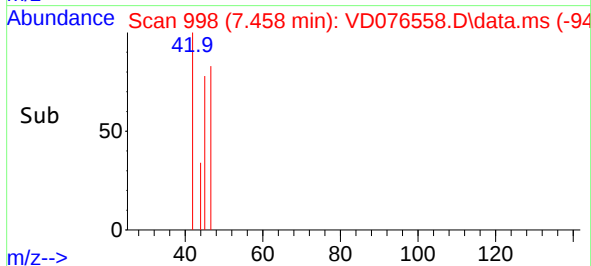
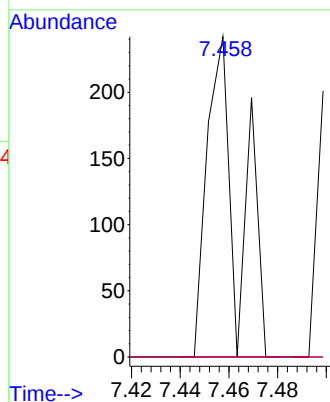
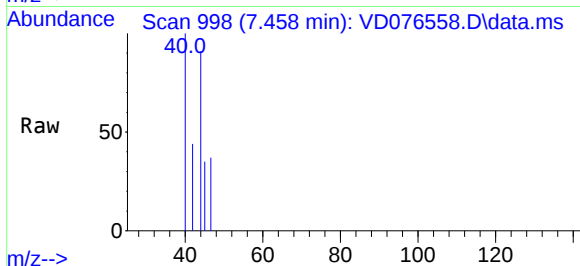
Tgt Ion: 42 Resp: 217

Ion Ratio Lower Upper

42 100

72 0.0 46.5 69.7#

71 0.0 44.5 66.7#



#33

1,2-Dichloroethane-d4

Concen: 128.215 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD076558.D

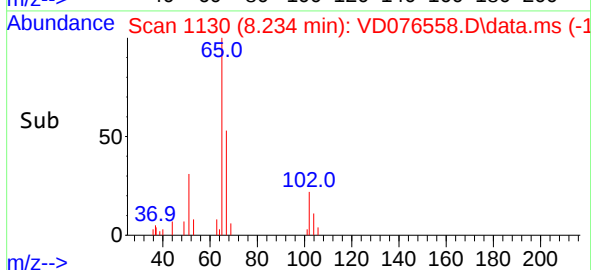
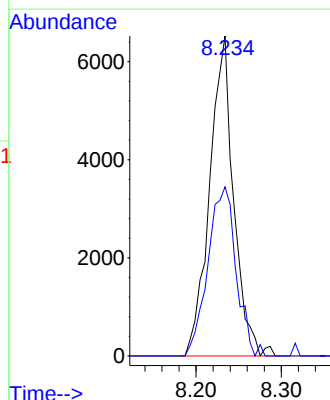
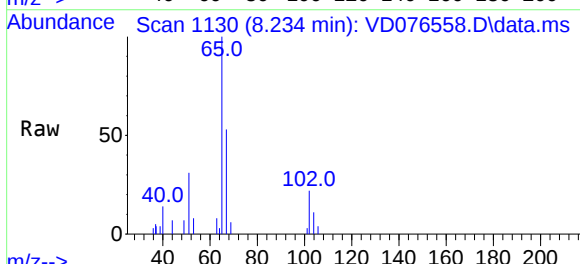
Acq: 23 Jun 2023 15:04

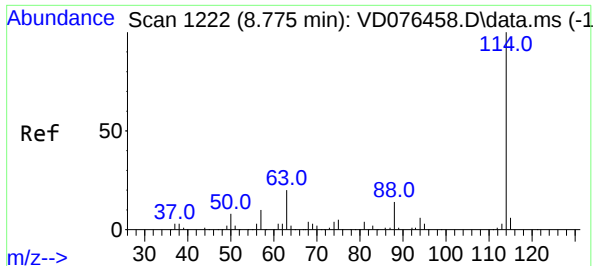
Tgt Ion: 65 Resp: 12787

Ion Ratio Lower Upper

65 100

67 61.8 0.0 115.0



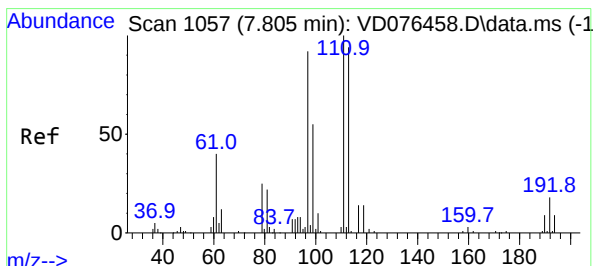
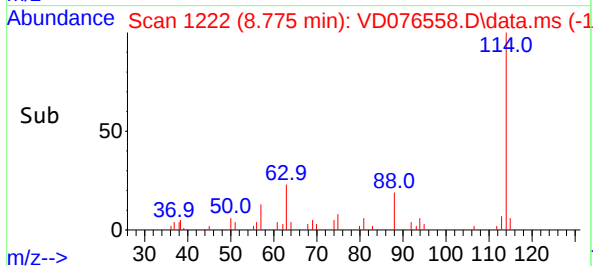
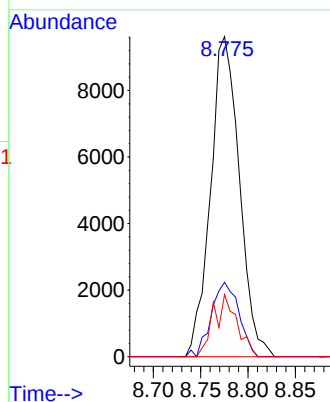
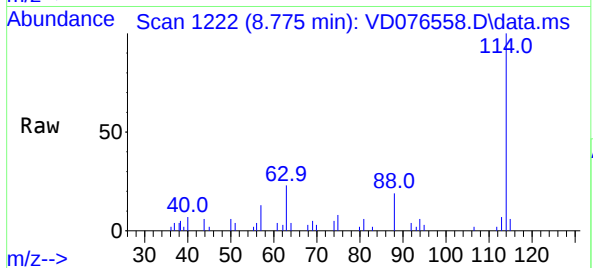


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.775 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

Instrument :
MSVOA_D
ClientSampleId :
SB38RE

Tgt Ion:114 Resp: 20362

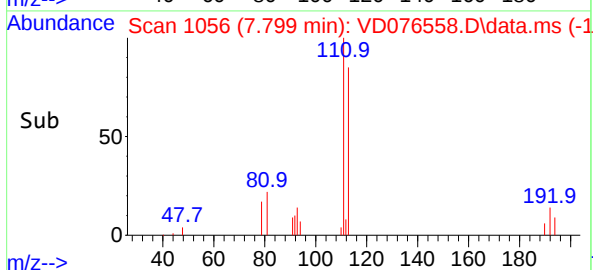
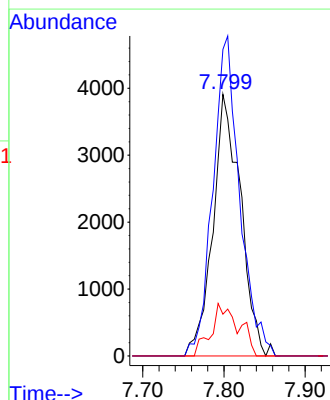
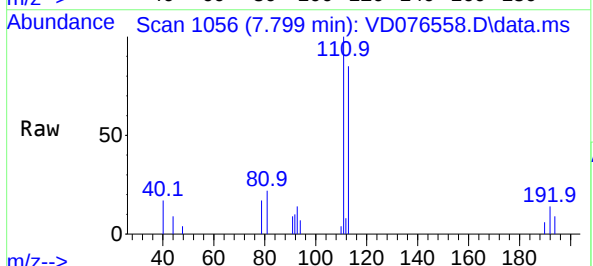
Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	33.4
88	19.4	0.0	26.2

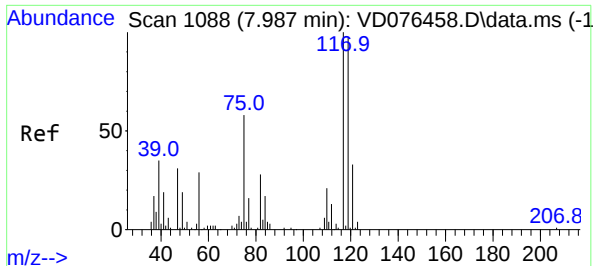


#35
Dibromofluoromethane
Concen: 76.700 ug/l
RT: 7.799 min Scan# 1056
Delta R.T. -0.006 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

Tgt Ion:113 Resp: 9278

Ion	Ratio	Lower	Upper
113	100		
111	118.2	84.7	127.1
192	20.0	16.8	25.2

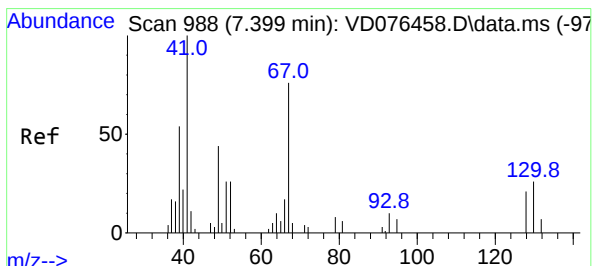
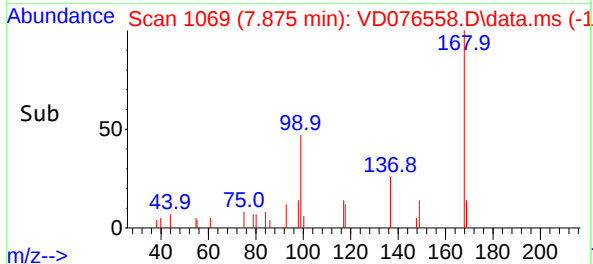
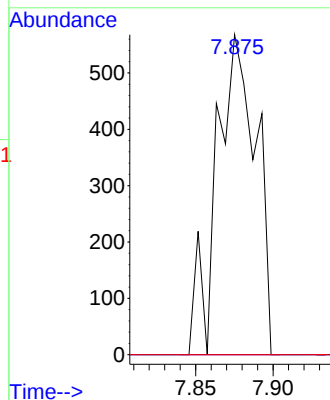
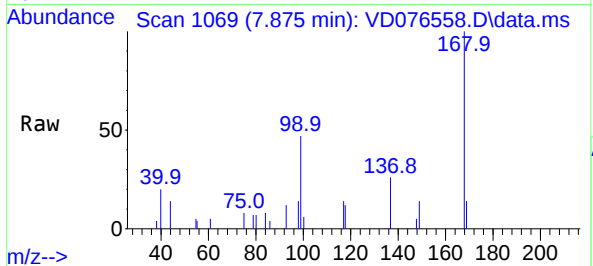




#38
Carbon Tetrachloride
Concen: 6.677 ug/l
RT: 7.875 min Scan# 10
Delta R.T. -0.112 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

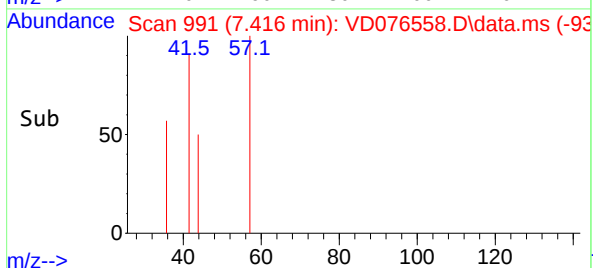
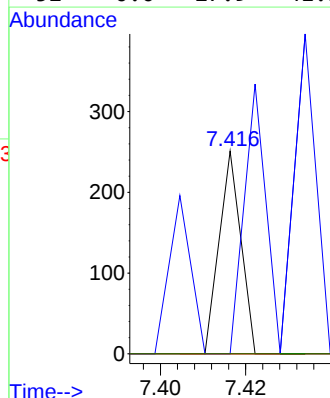
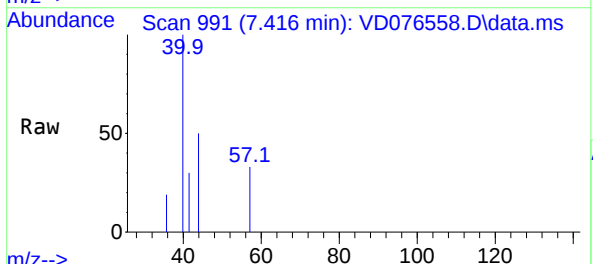
Instrument :
MSVOA_D
ClientSampleId :
SB38RE

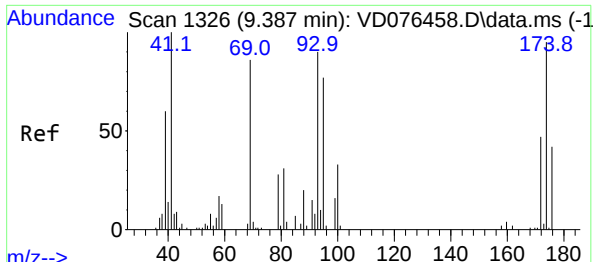
Tgt Ion:117 Resp: 1011
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 1.606 ug/l
RT: 7.416 min Scan# 991
Delta R.T. 0.018 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

Tgt Ion: 41 Resp: 89
Ion Ratio Lower Upper
41 100
39 132.6 34.0 51.0#
67 0.0 77.0 115.4#
52 0.0 27.9 41.9#

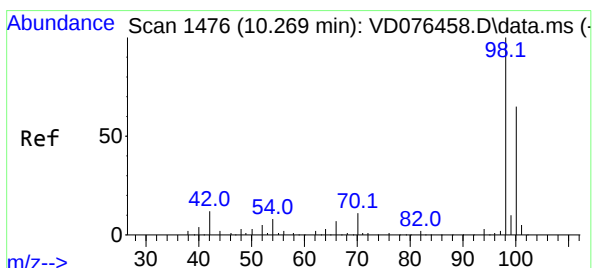
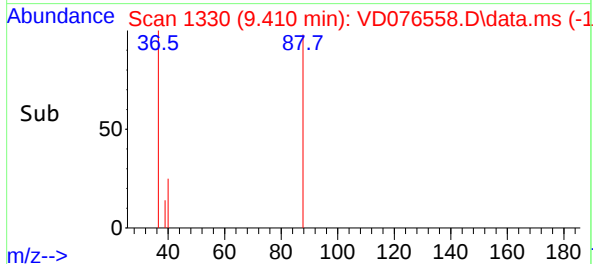
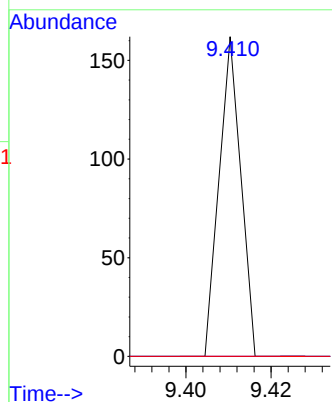
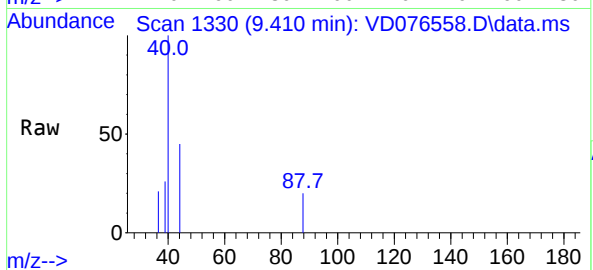




#49
1,4-Dioxane
Concen: 63.406 ug/l
RT: 9.410 min Scan# 11
Delta R.T. 0.024 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

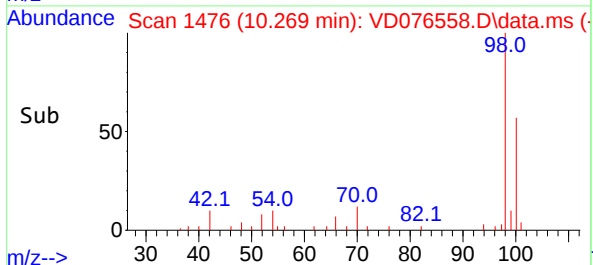
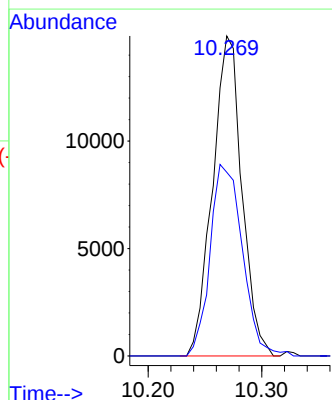
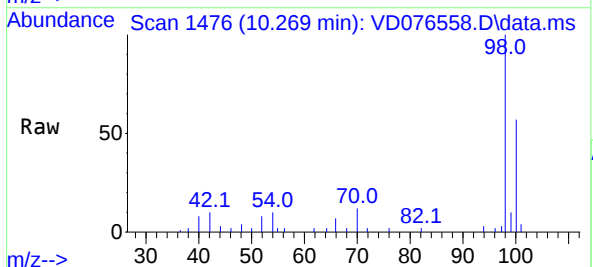
Instrument :
MSVOA_D
ClientSampleId :
SB38RE

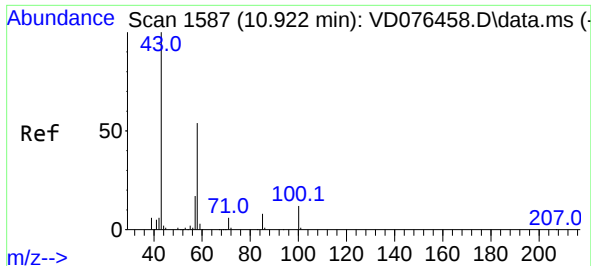
Tgt Ion: 88 Resp: 57
Ion Ratio Lower Upper
88 100
43 0.0 19.0 28.6#
58 0.0 43.5 65.3#



#50
Toluene-d8
Concen: 58.276 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

Tgt Ion: 98 Resp: 26734
Ion Ratio Lower Upper
98 100
100 65.7 50.3 75.5

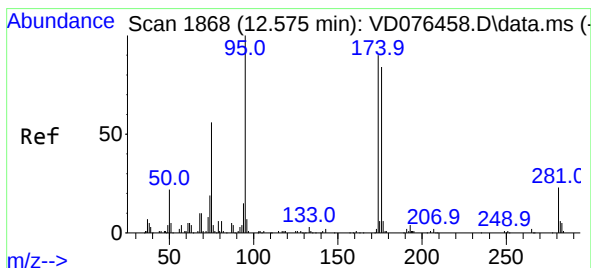
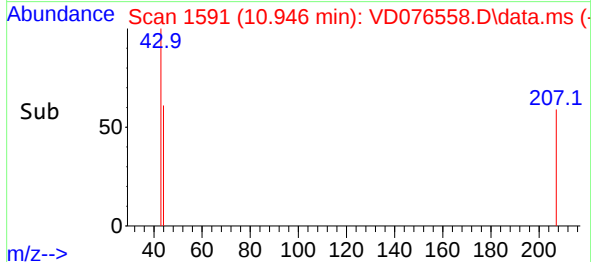
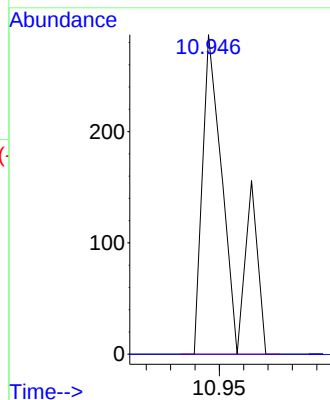
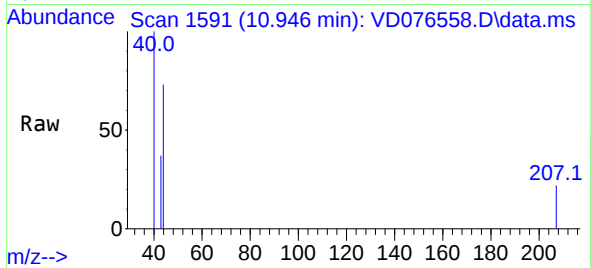




#59
2-Hexanone
Concen: 3.178 ug/l
RT: 10.946 min Scan# 1591
Delta R.T. 0.024 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

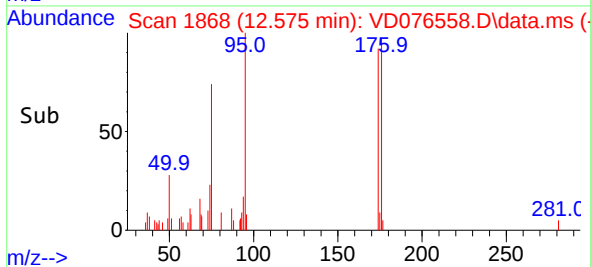
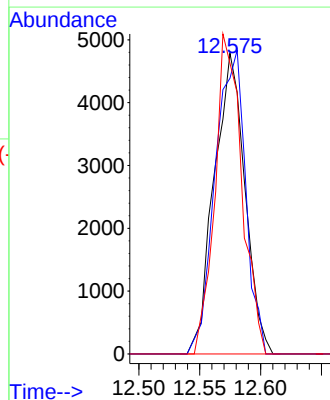
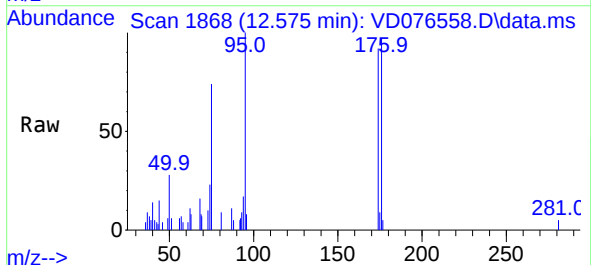
Instrument :
MSVOA_D
ClientSampleId :
SB38RE

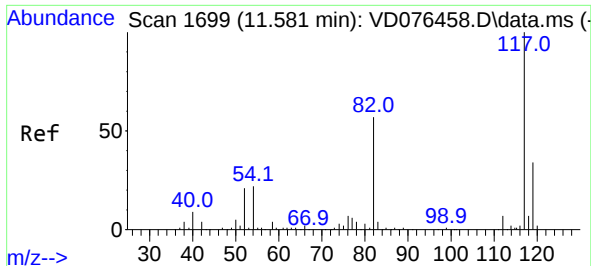
Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
58 0.0 34.1 102.2#



#62
4-Bromofluorobenzene
Concen: 56.285 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

Tgt Ion: 95 Resp: 8380
Ion Ratio Lower Upper
95 100
174 99.7 0.0 201.8
176 93.6 0.0 191.8

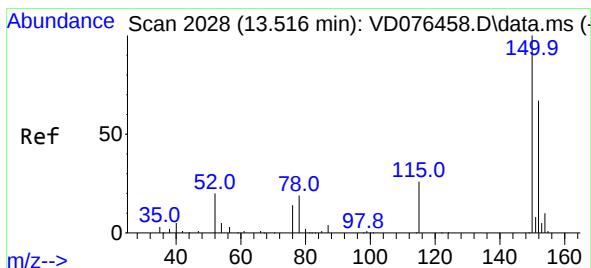
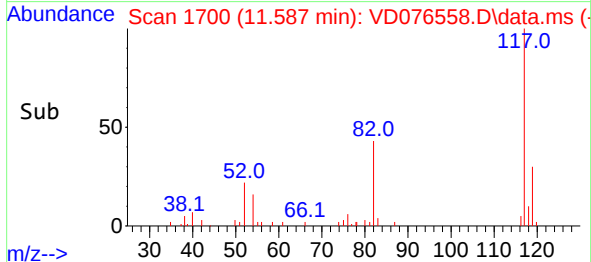
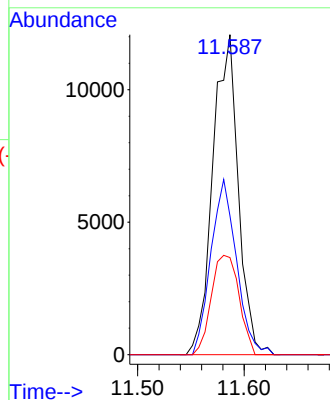
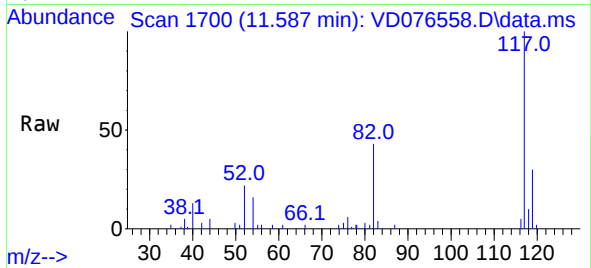




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

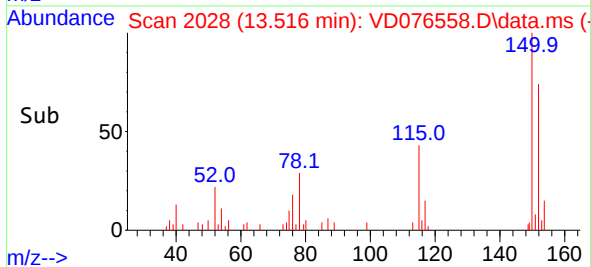
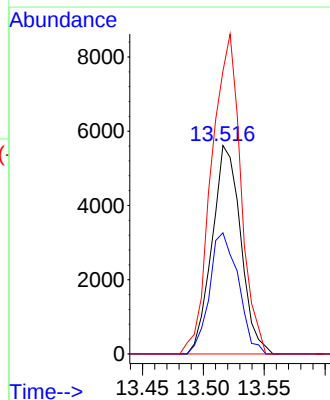
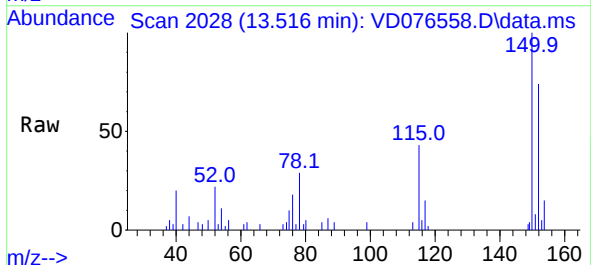
Instrument :
MSVOA_D
ClientSampleId :
SB38RE

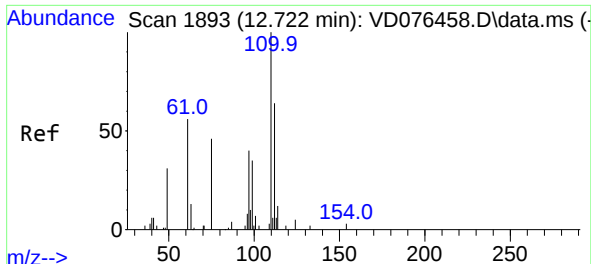
Tgt Ion:117	Resp:	20041
Ion Ratio	Lower	Upper
117	100	
82	43.4	38.3 57.5
119	30.4	25.0 37.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 2028
Delta R.T. -0.000 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

Tgt Ion:152	Resp:	9189
Ion Ratio	Lower	Upper
152	100	
115	58.5	27.1 81.3
150	156.4	0.0 353.6

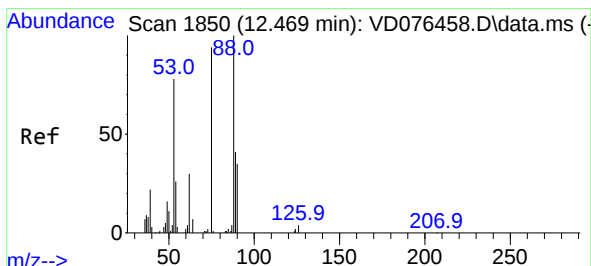
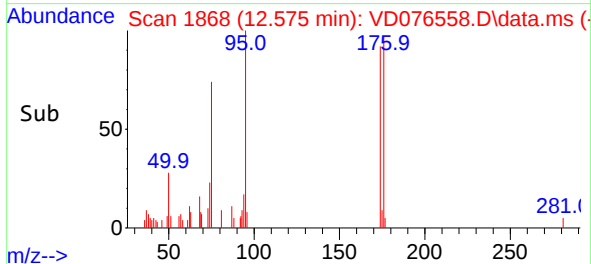
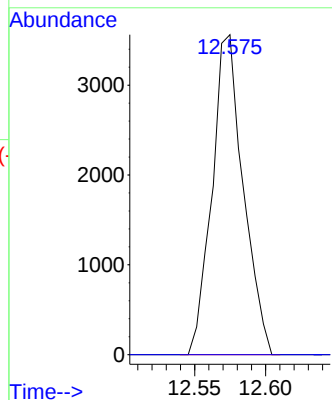
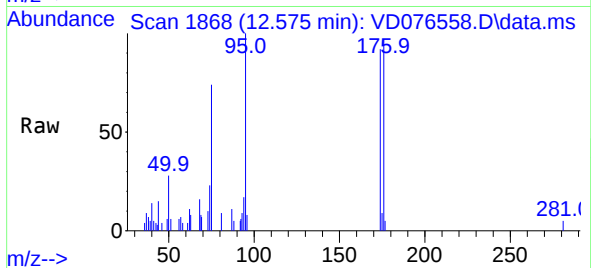




#76
1,2,3-Trichloropropane
Concen: 59.672 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

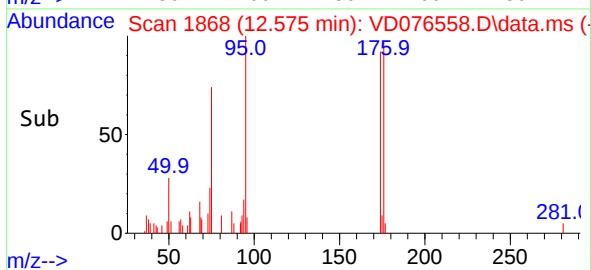
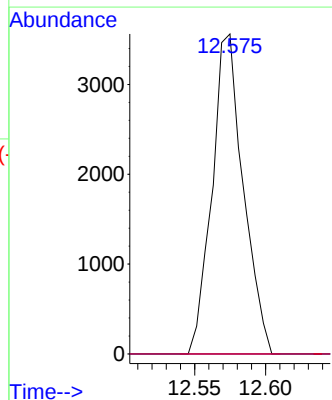
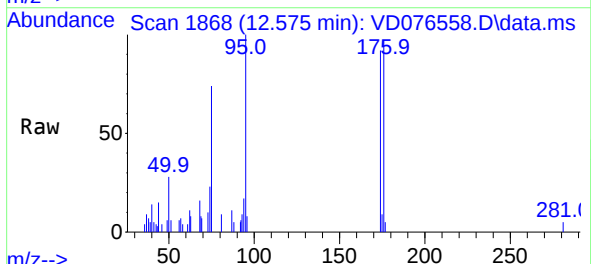
Instrument :
MSVOA_D
ClientSampleId :
SB38RE

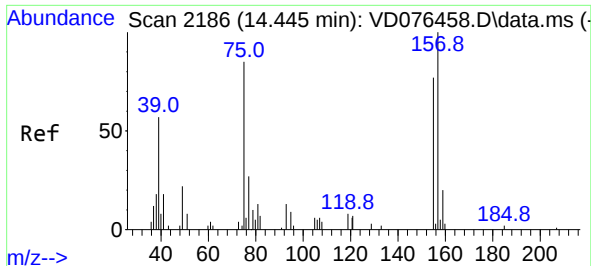
Tgt Ion: 75 Resp: 5442
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 130.755 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076558.D
Acq: 23 Jun 2023 15:04

Tgt Ion: 75 Resp: 5442
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#





#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.862 ug/l
 RT: 14.651 min Scan# 21
 Delta R.T. 0.206 min
 Lab File: VD076558.D
 Acq: 23 Jun 2023 15:04

Instrument :
 MSVOA_D
 ClientSampleId :
 SB38RE

Tgt Ion: 75 Resp: 55
 Ion Ratio Lower Upper
 75 100
 155 0.0 47.9 143.8#
 157 0.0 59.9 179.7#

