

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062323\
 Data File : VD076557.D
 Acq On : 23 Jun 2023 14:34
 Operator : KP/SY
 Sample : 03366-01RE
 Misc : 5.00G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB37RE

Quant Time: Jun 23 16:33:31 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)

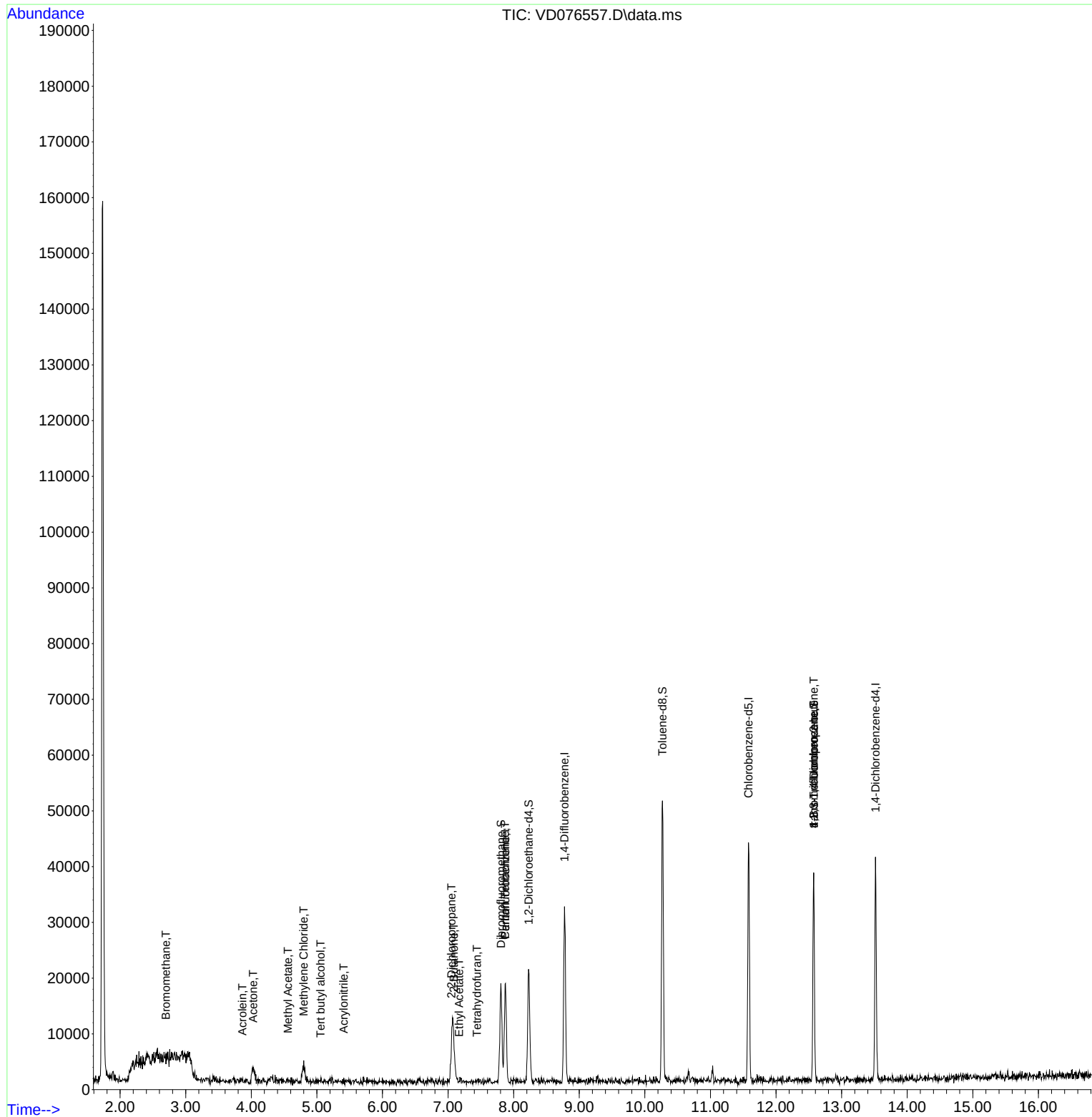
Internal Standards						
1) Pentafluorobenzene	7.875	168	13851	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	26140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	23895	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	9993	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	15209	109.595	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 219.180%#			
35) Dibromofluoromethane	7.810	113	12120	78.048	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 156.100%#			
50) Toluene-d8	10.269	98	35283	59.910	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 119.820%			
62) 4-Bromofluorobenzene	12.575	95	10813	56.573	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.140%			
Target Compounds						Qvalue
5) Bromomethane	2.699	94	219	1.379	ug/l #	64
11) Tert butyl alcohol	5.058	59	67	5.592	ug/l #	73
13) Acrolein	3.864	56	65	5.037	ug/l #	15
15) Acrylonitrile	5.410	53	90	2.314	ug/l #	18
16) Acetone	4.028	43	4846	146.745	ug/l	94
18) Methyl Acetate	4.558	43	221	1.452	ug/l #	42
20) Methylene Chloride	4.799	84	2078	4.095	ug/l #	72
25) 2-Butanone	7.087	43	1295	25.354	ug/l #	86
26) 2,2-Dichloropropane	7.052	77	408	1.691	ug/l #	49
28) Bromochloromethane	7.422	49	56	Below Cal	#	1
29) Tetrahydrofuran	7.440	42	57	1.737	ug/l #	23
31) Cyclohexane	7.863	56	246	Below Cal	#	13
37) Ethyl Acetate	7.169	43	174	1.381	ug/l #	62
38) Carbon Tetrachloride	7.869	117	1418	7.295	ug/l #	11
76) 1,2,3-Trichloropropane	12.575	75	6149	62.000	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	6149	135.855	ug/l #	18

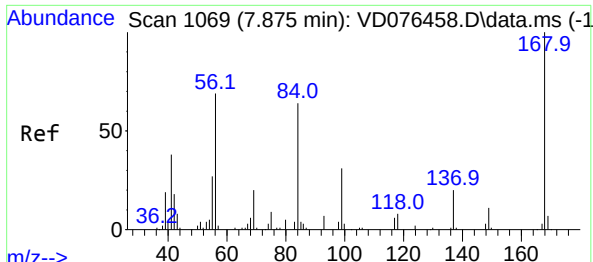
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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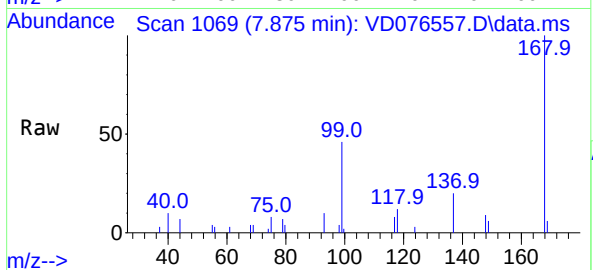
Quant Time: Jun 23 16:33:31 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration



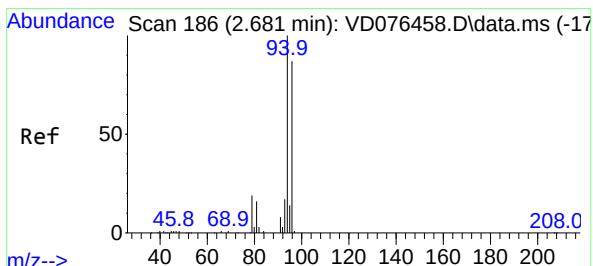
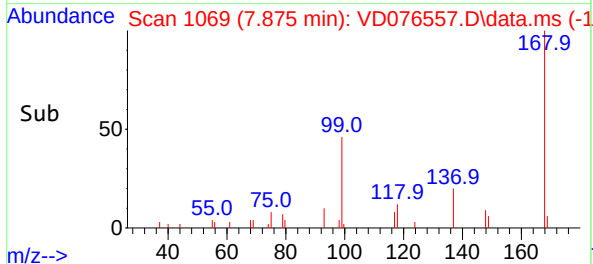
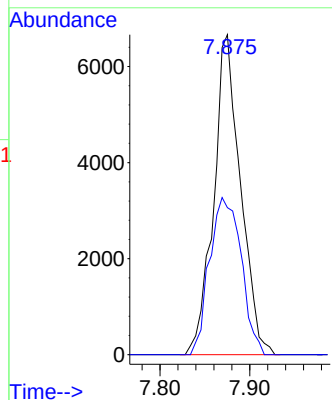


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

Instrument :
MSVOA_D
ClientSampleId :
SB37RE

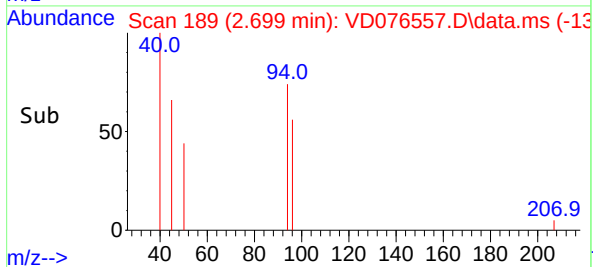
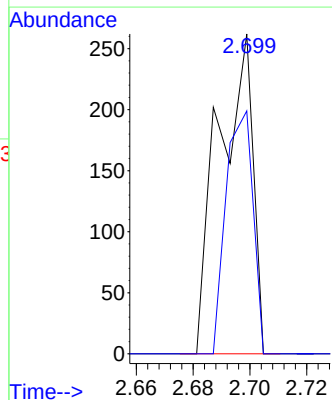
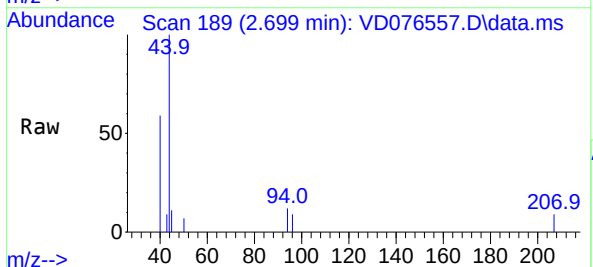


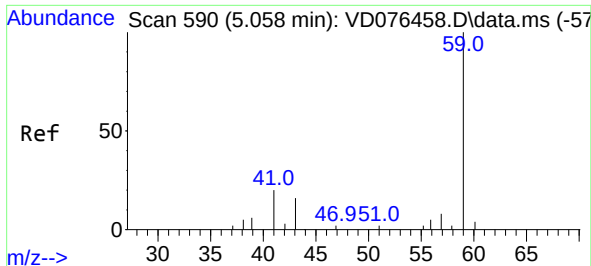
Tgt Ion:168 Resp: 13851
Ion Ratio Lower Upper
168 100
99 45.9 36.7 55.1



#5
Bromomethane
Concen: 1.379 ug/l
RT: 2.699 min Scan# 189
Delta R.T. 0.018 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

Tgt Ion: 94 Resp: 219
Ion Ratio Lower Upper
94 100
96 59.8 75.8 113.8#

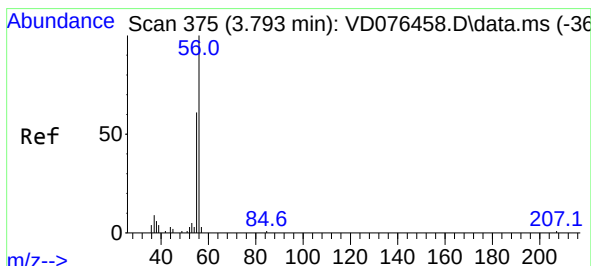
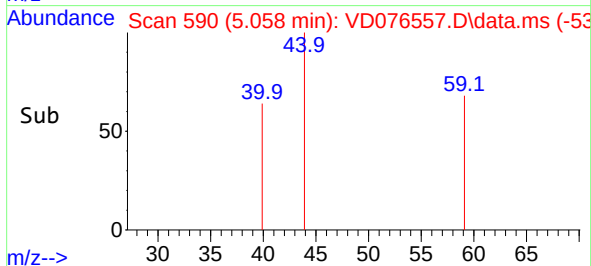
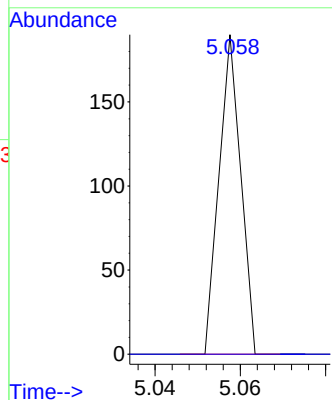
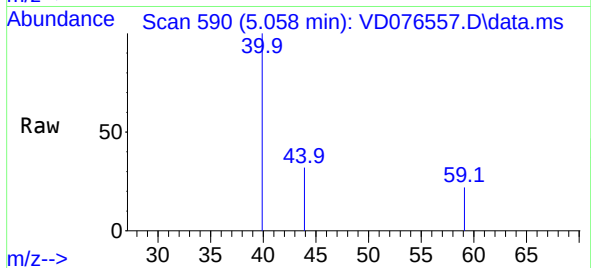




#11
Tert butyl alcohol
Concen: 5.592 ug/l
RT: 5.058 min Scan# 590
Delta R.T. -0.000 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

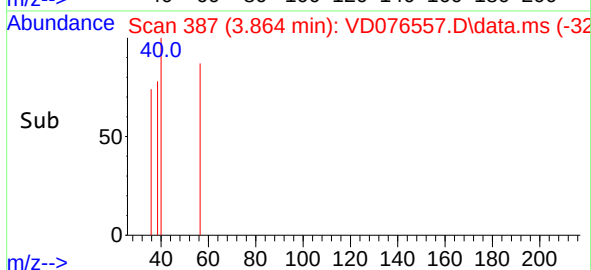
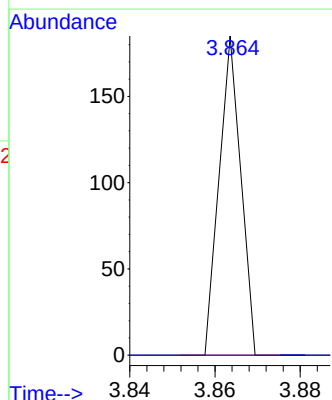
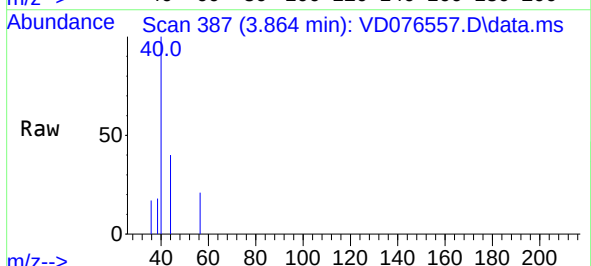
Instrument :
MSVOA_D
ClientSampleId :
SB37RE

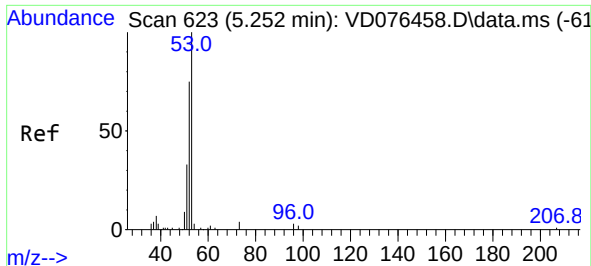
Tgt Ion: 59 Resp: 67
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#13
Acrolein
Concen: 5.037 ug/l
RT: 3.864 min Scan# 387
Delta R.T. 0.071 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

Tgt Ion: 56 Resp: 65
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#

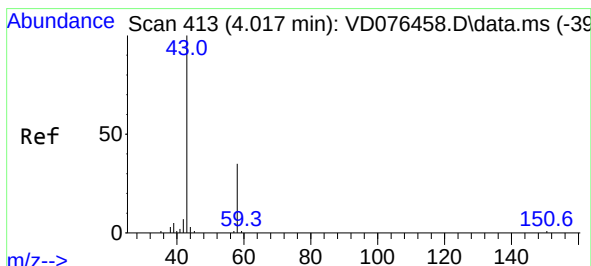
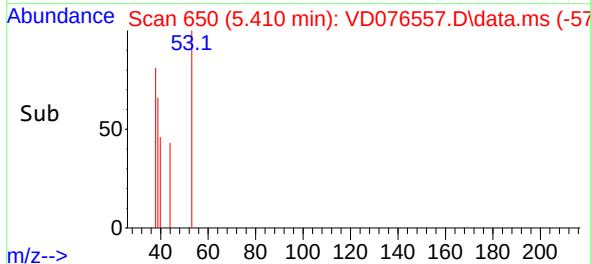
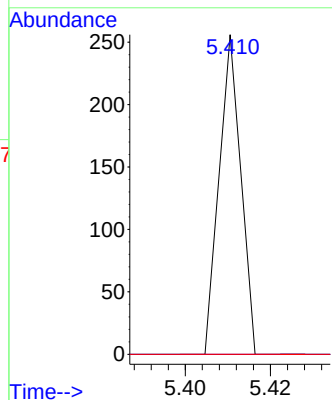
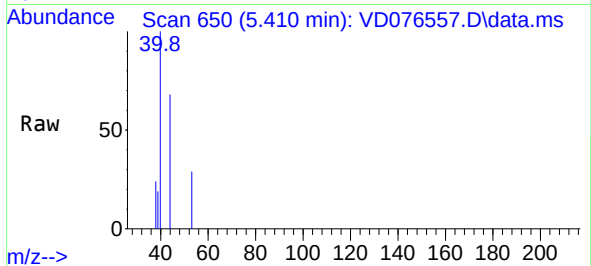




#15
Acrylonitrile
Concen: 2.314 ug/l
RT: 5.410 min Scan# 61
Delta R.T. 0.159 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

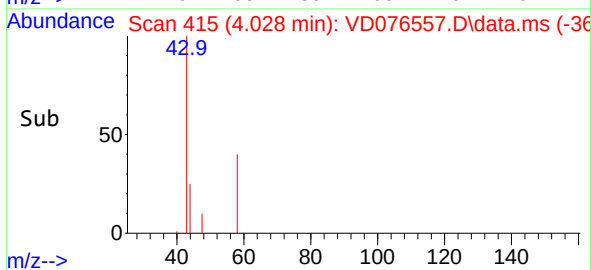
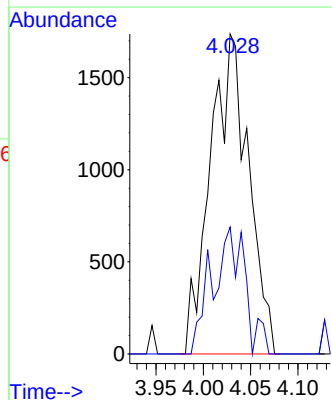
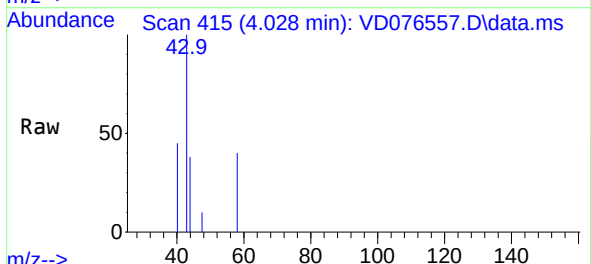
Instrument :
MSVOA_D
ClientSampleId :
SB37RE

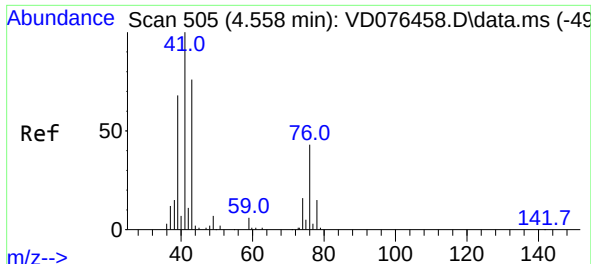
Tgt Ion: 53 Resp: 90
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 0.0 28.3 42.5#



#16
Acetone
Concen: 146.745 ug/l
RT: 4.028 min Scan# 415
Delta R.T. 0.012 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

Tgt Ion: 43 Resp: 4846
Ion Ratio Lower Upper
43 100
58 39.7 34.7 52.1

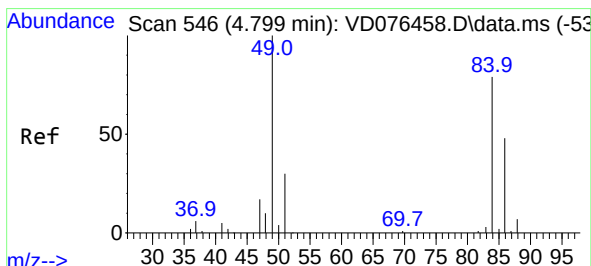
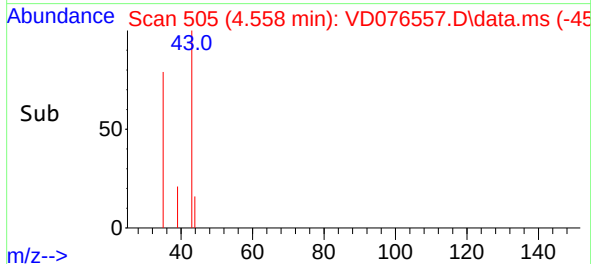
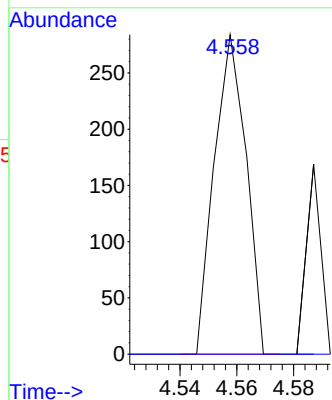
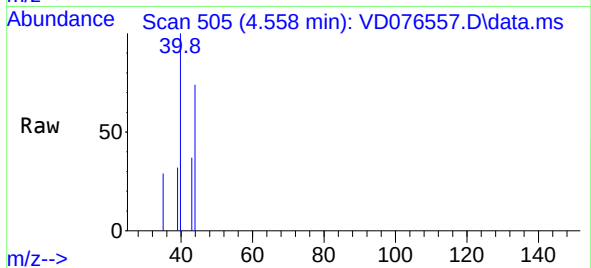




#18
Methyl Acetate
Concen: 1.452 ug/l
RT: 4.558 min Scan# 505
Delta R.T. -0.000 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

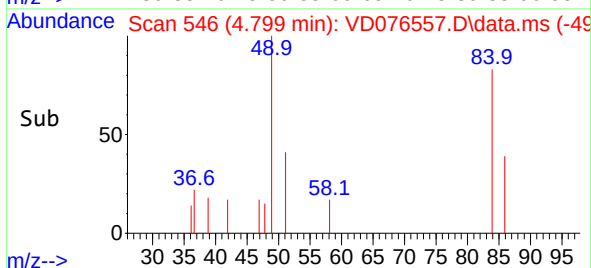
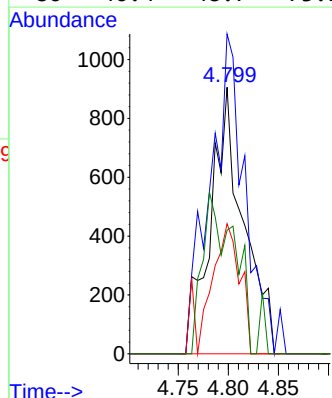
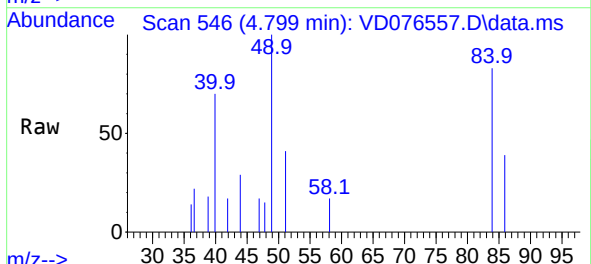
Instrument :
MSVOA_D
ClientSampleId :
SB37RE

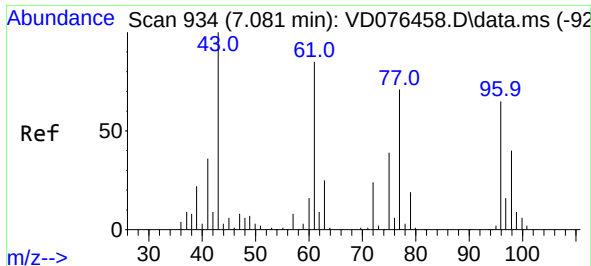
Tgt Ion: 43 Resp: 221
Ion Ratio Lower Upper
43 100
74 0.0 26.4 39.6#



#20
Methylene Chloride
Concen: 4.095 ug/l
RT: 4.799 min Scan# 546
Delta R.T. -0.000 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

Tgt Ion: 84 Resp: 2078
Ion Ratio Lower Upper
84 100
49 120.0 71.4 107.2#
51 48.8 24.5 36.7#
86 46.4 48.7 73.1#





#25

2-Butanone

Concen: 25.354 ug/l

RT: 7.087 min Scan# 91

Delta R.T. 0.006 min

Lab File: VD076557.D

Acq: 23 Jun 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

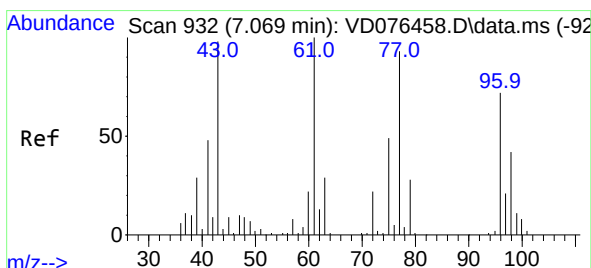
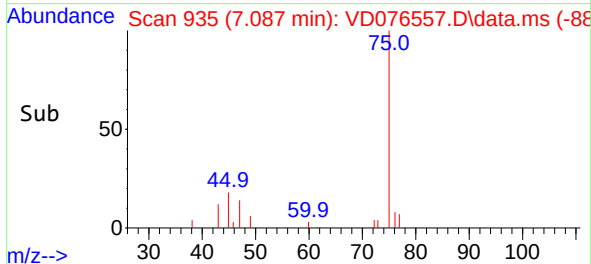
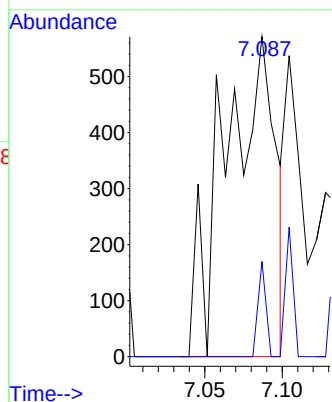
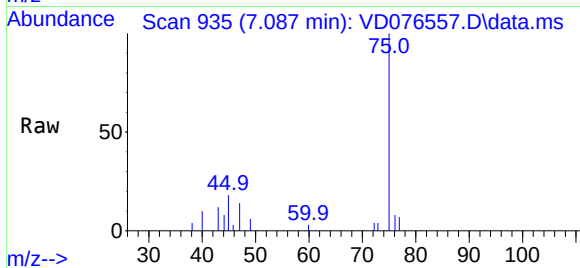
SB37RE

Tgt Ion: 43 Resp: 1295

Ion Ratio Lower Upper

43 100

72 29.8 30.7 46.1#



#26

2,2-Dichloropropane

Concen: 1.691 ug/l

RT: 7.052 min Scan# 929

Delta R.T. -0.018 min

Lab File: VD076557.D

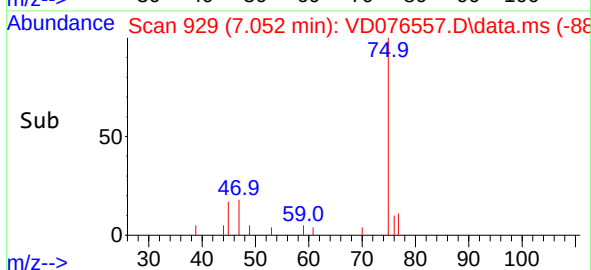
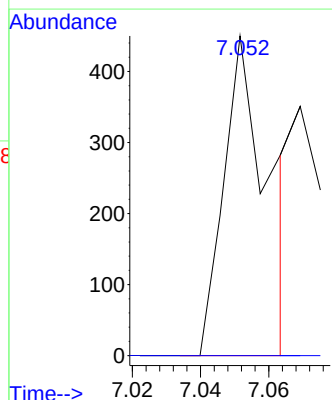
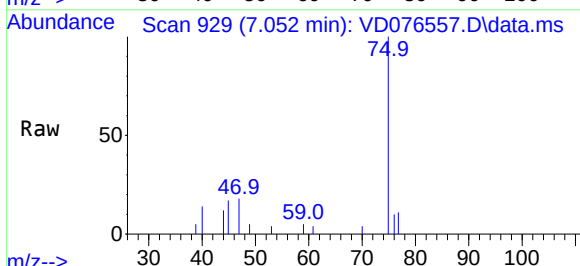
Acq: 23 Jun 2023 14:34

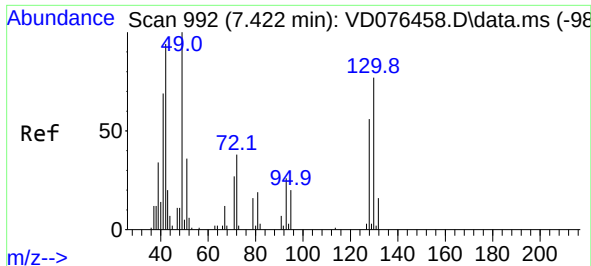
Tgt Ion: 77 Resp: 408

Ion Ratio Lower Upper

77 100

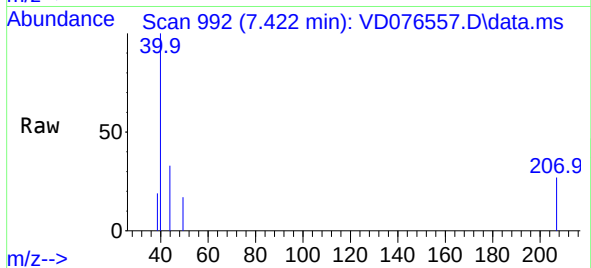
97 0.0 13.2 39.6#



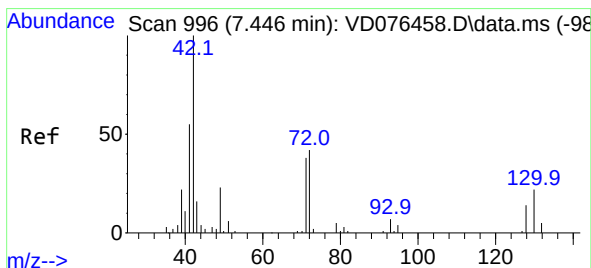
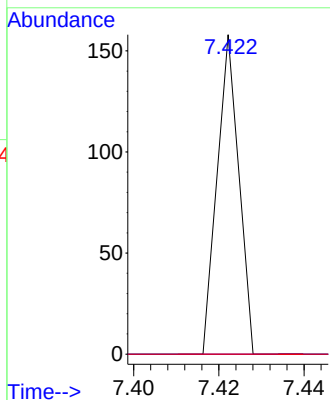
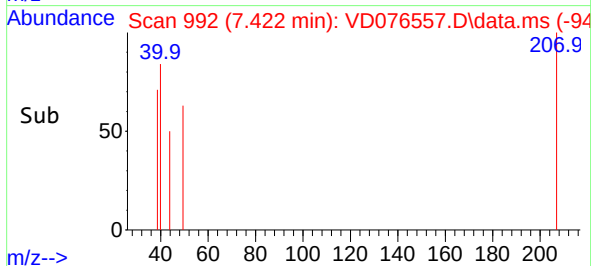


#28
Bromochloromethane
Concen: Below Cal
RT: 7.422 min Scan# 992
Delta R.T. 0.000 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

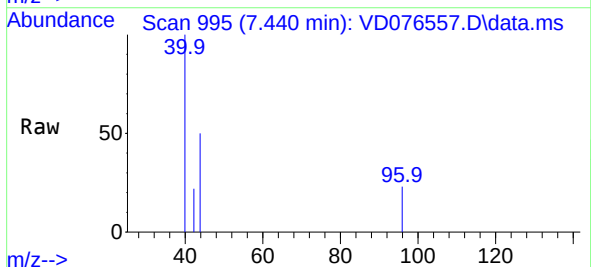
Instrument :
MSVOA_D
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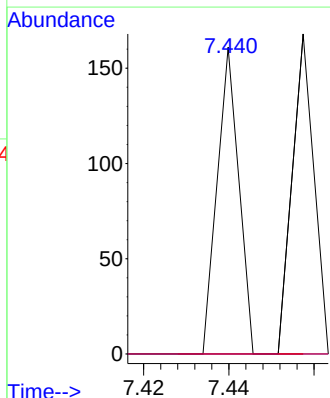
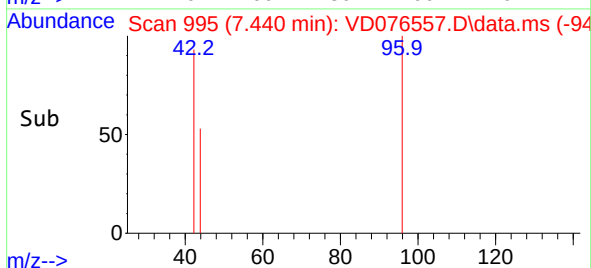
Tgt Ion: 49 Resp: 56
Ion Ratio Lower Upper
49 100
129 0.0 0.0 6.0
130 0.0 83.2 124.8#

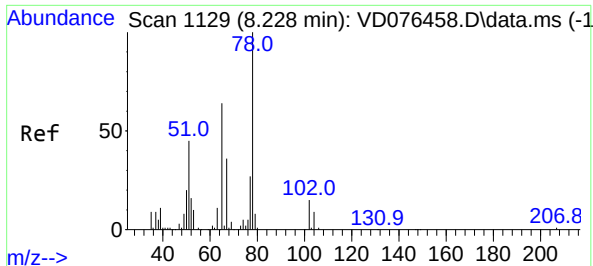


#29
Tetrahydrofuran
Concen: 1.737 ug/l
RT: 7.440 min Scan# 995
Delta R.T. -0.006 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34



Tgt Ion: 42 Resp: 57
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: 109.595 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD076557.D

Acq: 23 Jun 2023 14:34

Instrument :

MSVOA_D

ClientSampleId :

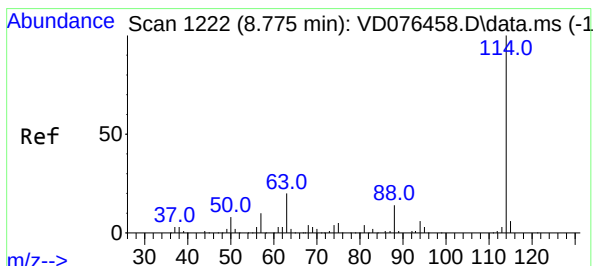
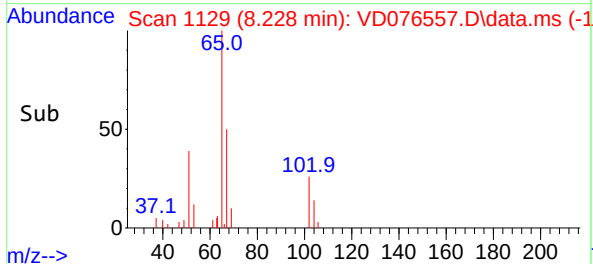
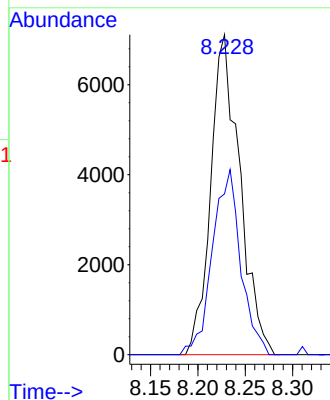
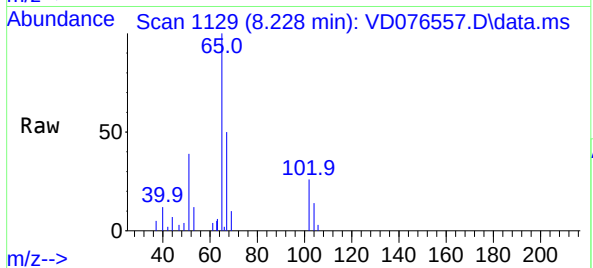
SB37RE

Tgt Ion: 65 Resp: 15209

Ion Ratio Lower Upper

65 100

67 56.3 0.0 115.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD076557.D

Acq: 23 Jun 2023 14:34

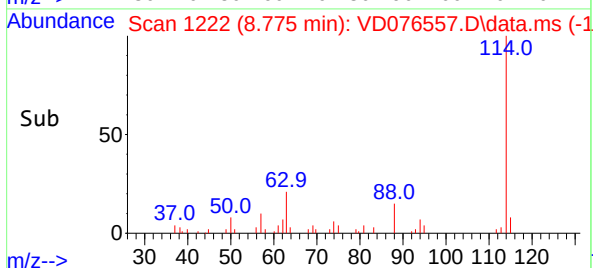
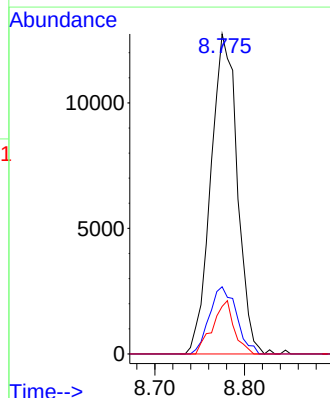
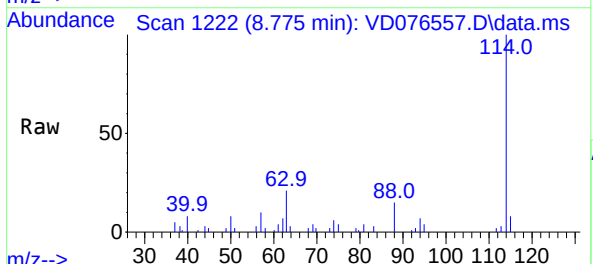
Tgt Ion: 114 Resp: 26140

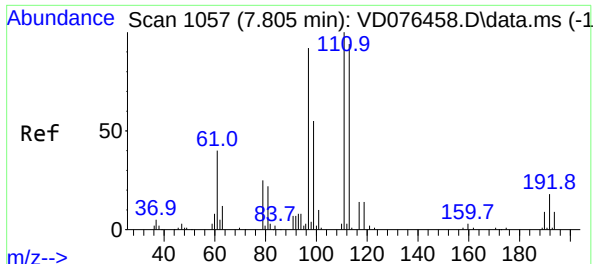
Ion Ratio Lower Upper

114 100

63 21.0 0.0 33.4

88 14.8 0.0 26.2

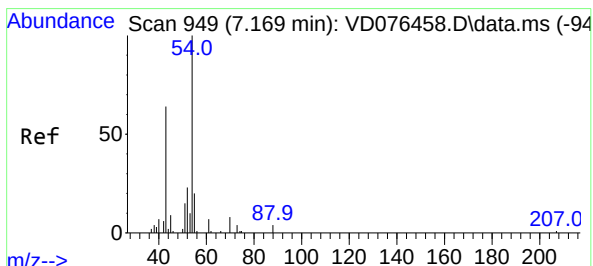
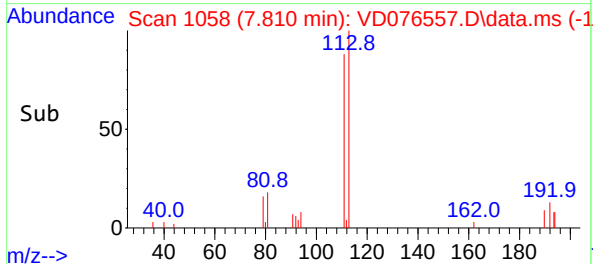
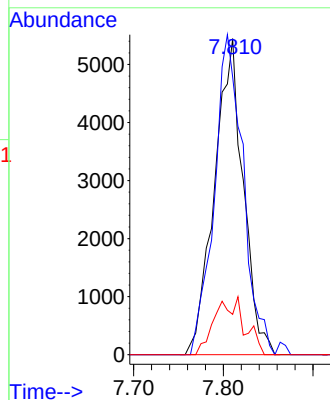
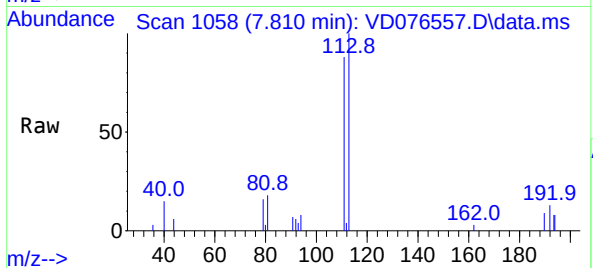




#35
Dibromofluoromethane
Concen: 78.048 ug/l
RT: 7.810 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

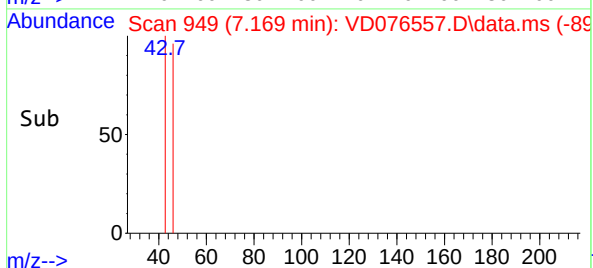
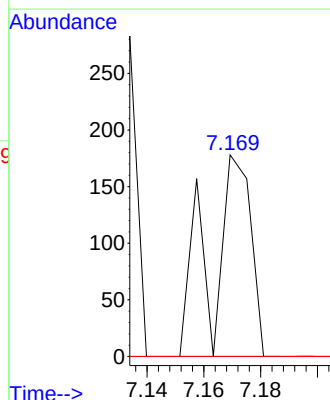
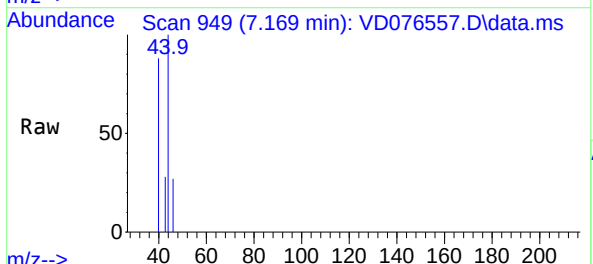
Instrument :
MSVOA_D
ClientSampleId :
SB37RE

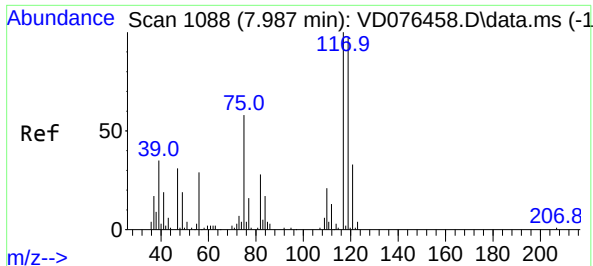
Tgt Ion:113 Resp: 12120
Ion Ratio Lower Upper
113 100
111 101.7 84.7 127.1
192 18.8 16.8 25.2



#37
Ethyl Acetate
Concen: 1.381 ug/l
RT: 7.169 min Scan# 949
Delta R.T. -0.000 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

Tgt Ion: 43 Resp: 174
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 0.0 10.0 15.0#

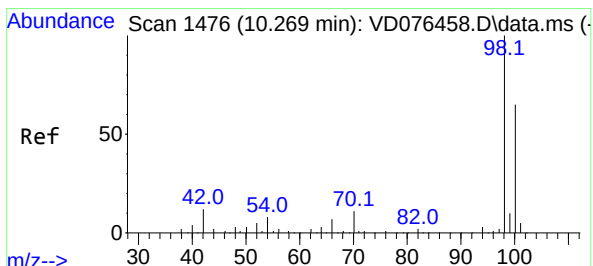
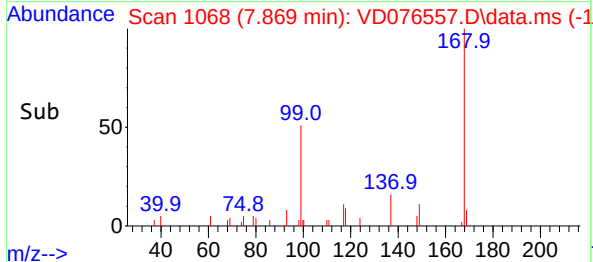
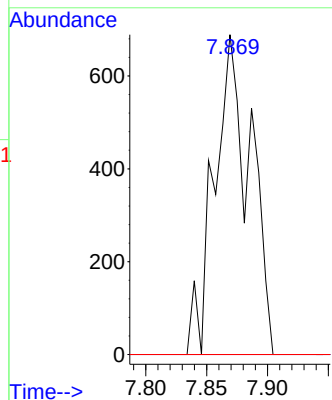
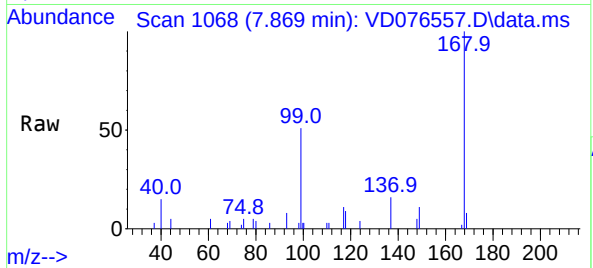




#38
Carbon Tetrachloride
Concen: 7.295 ug/l
RT: 7.869 min Scan# 1088
Delta R.T. -0.118 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

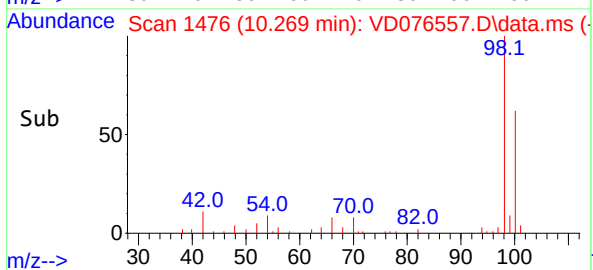
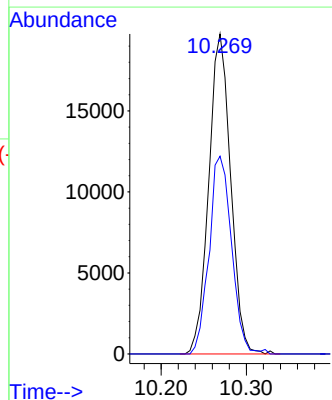
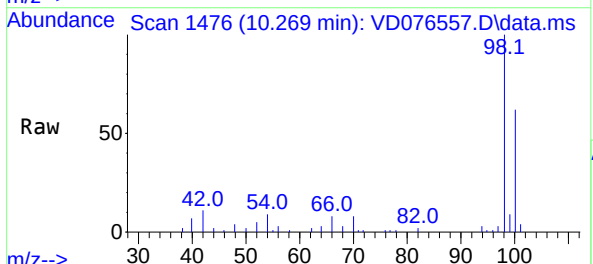
Instrument :
MSVOA_D
ClientSampleId :
SB37RE

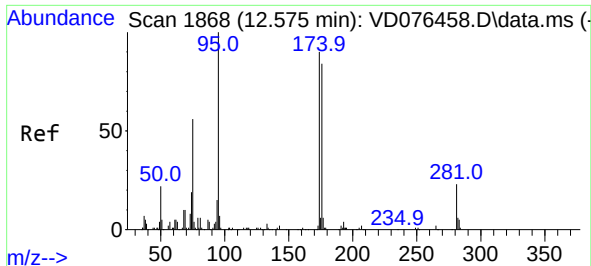
Tgt Ion:117 Resp: 1418
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 59.910 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

Tgt Ion: 98 Resp: 35283
Ion Ratio Lower Upper
98 100
100 63.6 50.3 75.5

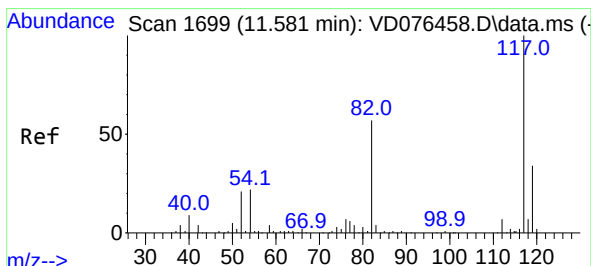
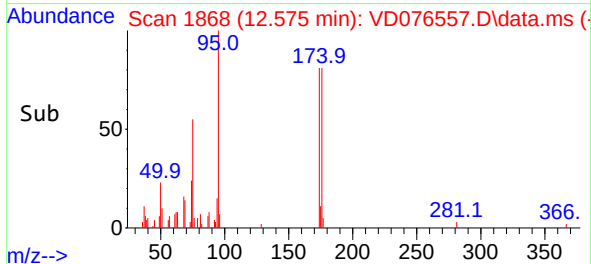
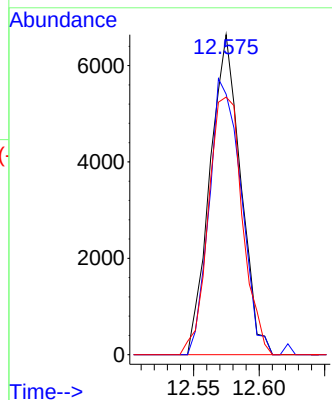
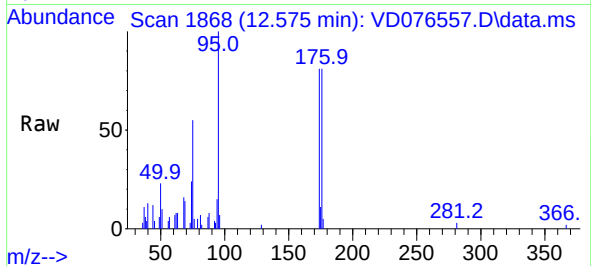




#62
4-Bromofluorobenzene
Concen: 56.573 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

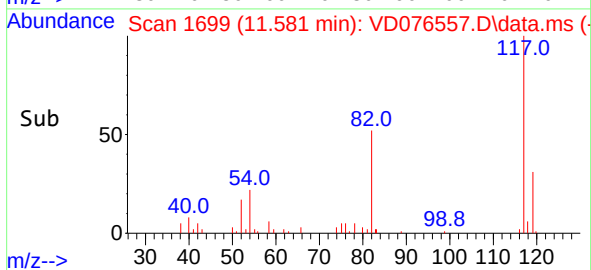
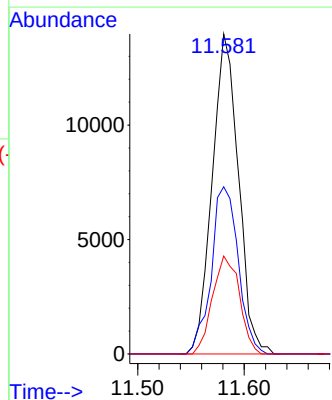
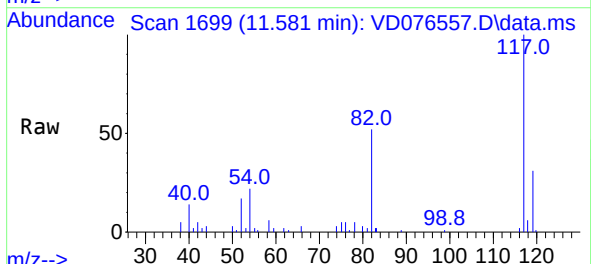
Instrument :
MSVOA_D
ClientSampleId :
SB37RE

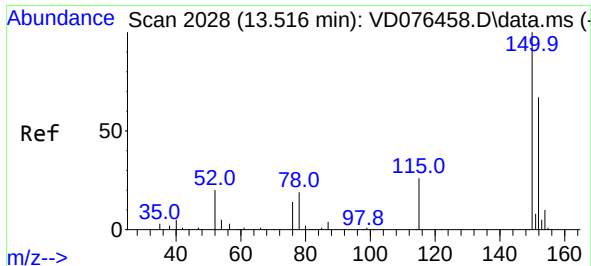
Tgt Ion:	95	Resp:	10813
Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	201.8
176	89.2	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

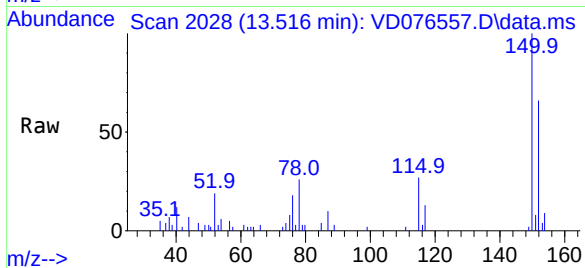
Tgt Ion:	117	Resp:	23895
Ion	Ratio	Lower	Upper
117	100		
82	52.2	38.3	57.5
119	30.6	25.0	37.4



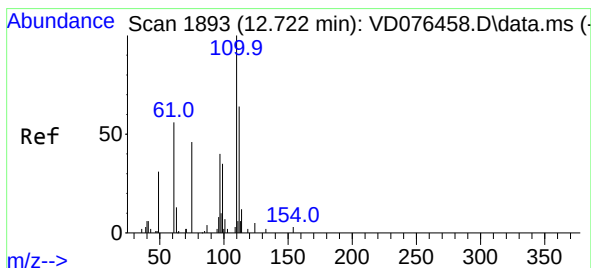
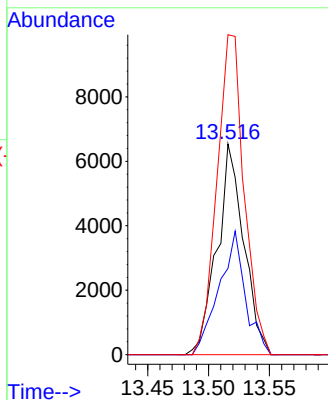
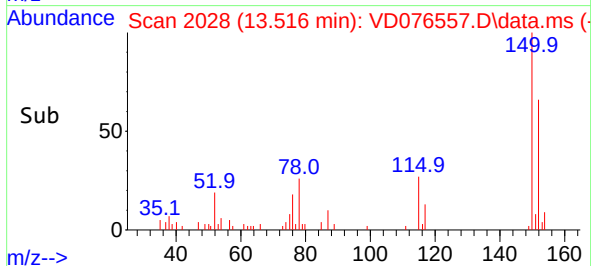


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

Instrument :
MSVOA_D
ClientSampleId :
SB37RE

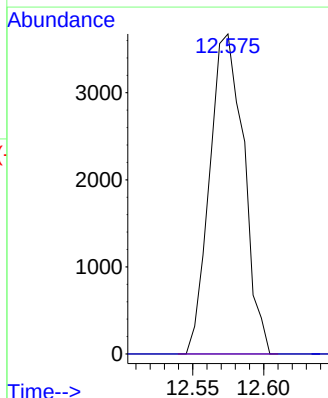
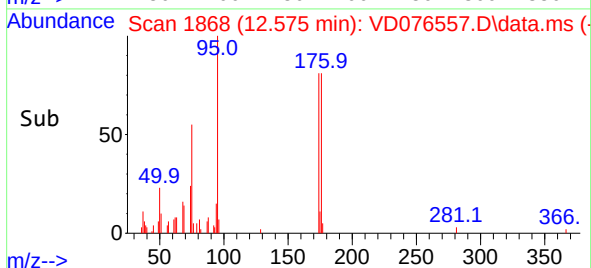
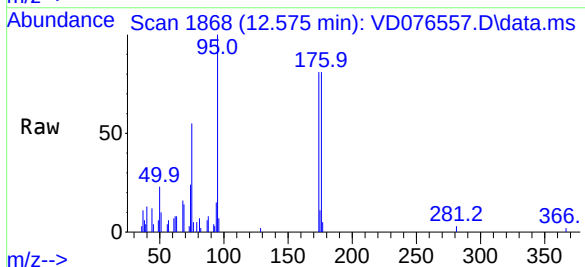


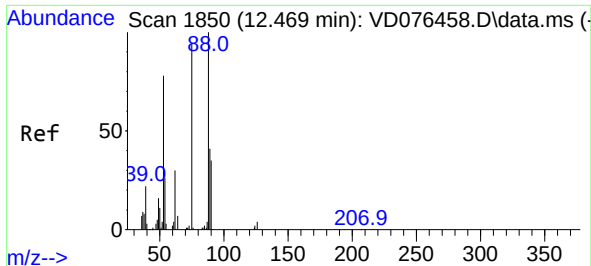
Tgt Ion:152 Resp: 9993
Ion Ratio Lower Upper
152 100
115 57.7 27.1 81.3
150 155.0 0.0 353.6



#76
1,2,3-Trichloropropane
Concen: 62.000 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076557.D
Acq: 23 Jun 2023 14:34

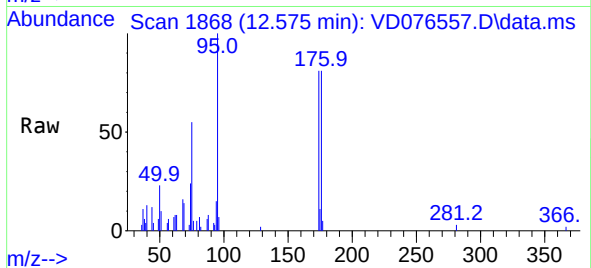
Tgt Ion: 75 Resp: 6149
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 135.855 ug/l
 RT: 12.575 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD076557.D
 Acq: 23 Jun 2023 14:34

Instrument :
 MSVOA_D
 ClientSampleId :
 SB37RE



Tgt Ion: 75 Resp: 6149
 Ion Ratio Lower Upper
 75 100
 53 1.0 63.0 94.4#
 89 0.0 37.9 56.9#

