

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062223\
 Data File : VD076541.D
 Acq On : 22 Jun 2023 16:13
 Operator : KP/SY
 Sample : 03366-03
 Misc : 5.08G/5.0ml/MSVOA_D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB38

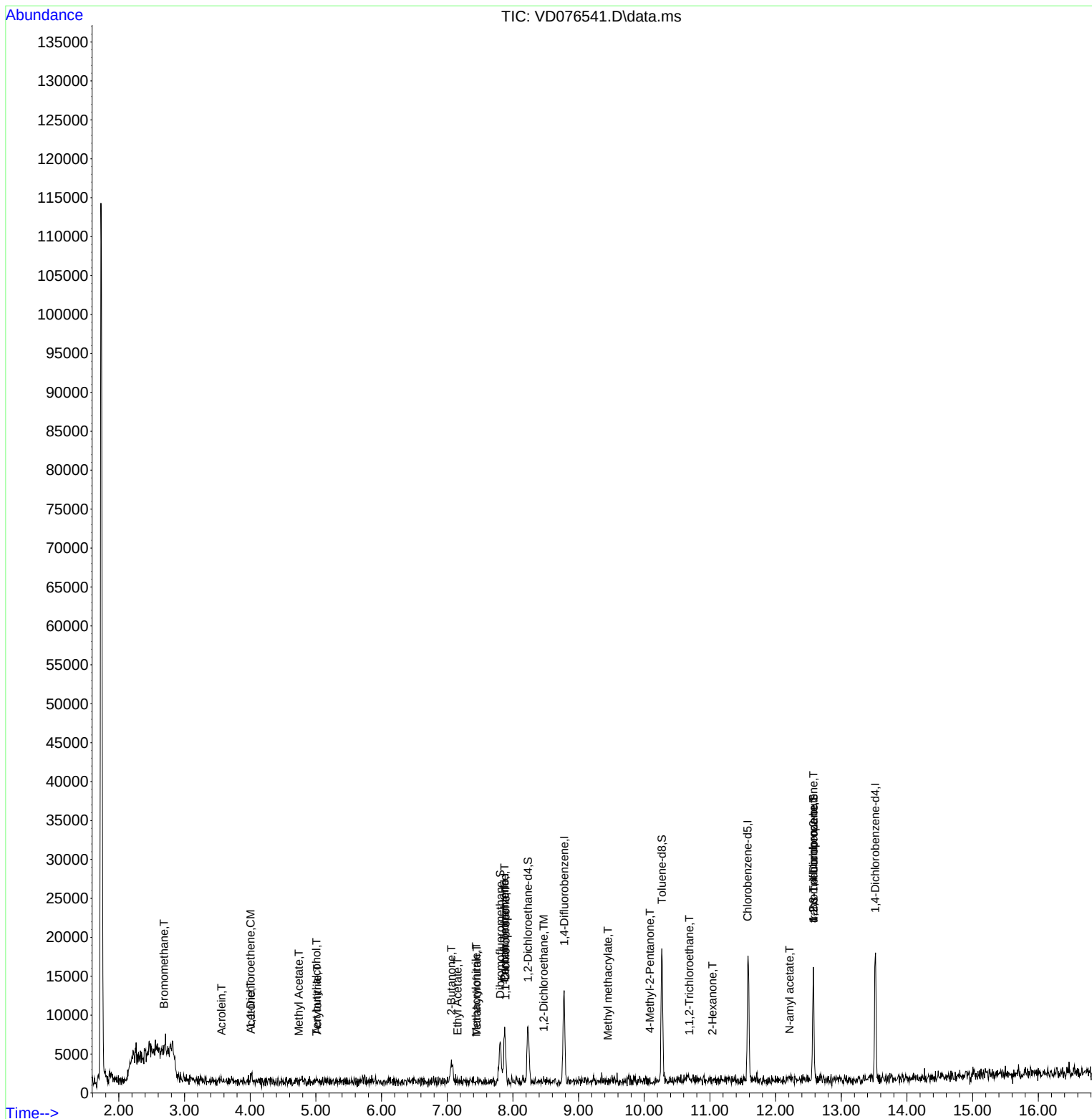
Quant Time: Jun 23 06:36:43 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 19 04:51:45 2023
 Response via : Initial Calibration

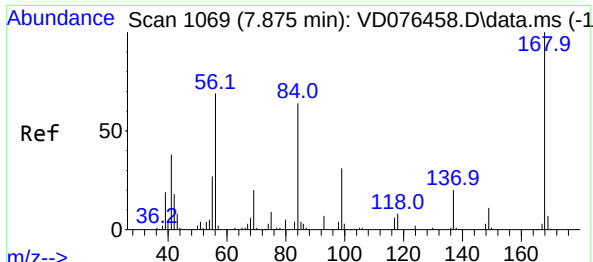
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.875	168	5706	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.781	114	10015	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	9993	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.516	152	4292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	5421	94.824	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 189.640%#			
35) Dibromofluoromethane	7.810	113	3908	65.685	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 131.380%			
50) Toluene-d8	10.269	98	11660	51.676	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.360%			
62) 4-Bromofluorobenzene	12.575	95	4046	55.252	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.500%			
Target Compounds						Qvalue
5) Bromomethane	2.687	94	181	2.767	ug/l	89
11) Tert butyl alcohol	5.010	59	55	11.143	ug/l #	73
12) 1,1-Dichloroethene	4.004	96	59	1.130	ug/l #	1
13) Acrolein	3.563	56	77	14.483	ug/l #	15
15) Acrylonitrile	5.022	53	83	5.181	ug/l #	18
16) Acetone	4.010	43	330	24.257	ug/l #	32
18) Methyl Acetate	4.740	43	67	1.069	ug/l #	42
20) Methylene Chloride	4.793	84	157	Below Cal	#	79
25) 2-Butanone	7.063	43	60	2.852	ug/l #	37
28) Bromochloromethane	7.504	49	57	Below Cal	#	1
29) Tetrahydrofuran	7.451	42	68	5.029	ug/l #	23
31) Cyclohexane	7.869	56	77	Below Cal	#	8
36) 1,1-Dichloropropene	7.887	75	565	6.781	ug/l #	39
37) Ethyl Acetate	7.157	43	59	1.222	ug/l #	62
38) Carbon Tetrachloride	7.875	117	594	7.977	ug/l #	11
41) Methacrylonitrile	7.440	41	72	2.641	ug/l #	1
42) 1,2-Dichloroethane	8.469	62	90	1.311	ug/l #	68
48) Methyl methacrylate	9.445	41	53	1.265	ug/l #	1
51) 4-Methyl-2-Pentanone	10.086	43	84	1.798	ug/l #	28
55) 1,1,2-Trichloroethane	10.686	97	60	1.162	ug/l #	16
59) 2-Hexanone	11.039	43	58	1.785	ug/l #	16
74) N-amyl acetate	12.210	43	87	1.028	ug/l #	59
76) 1,2,3-Trichloropropane	12.575	75	2148	50.426	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.575	75	2148	110.495	ug/l #	17

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

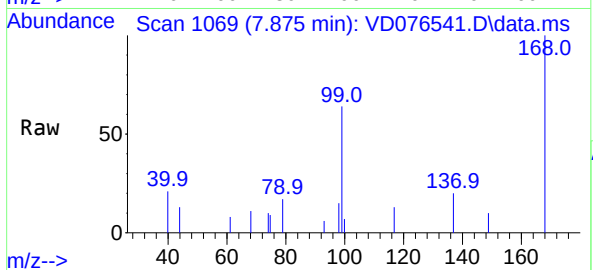
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D061623S.M
Quant Title : SW846 8260
QLast Update : Mon Jun 19 04:51:45 2023
Response via : Initial Calibration



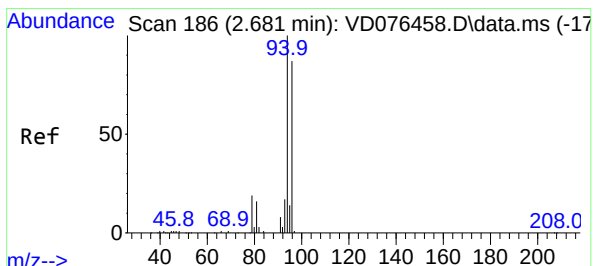
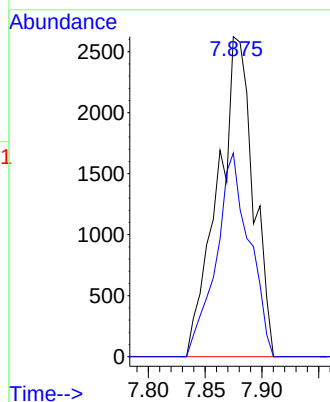
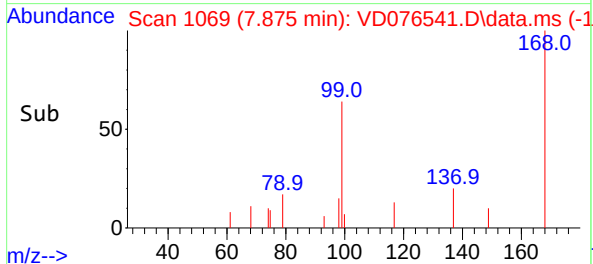


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Instrument :
MSVOA_D
ClientSampleId :
SB38

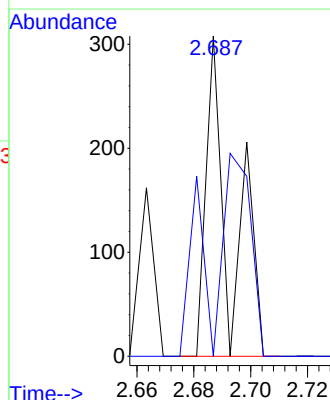
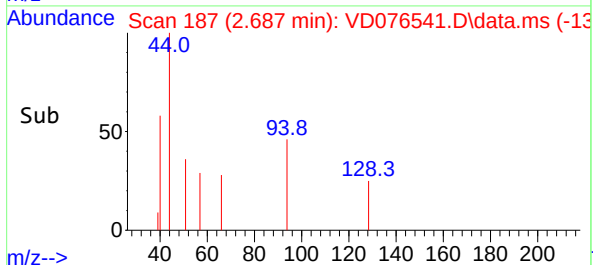
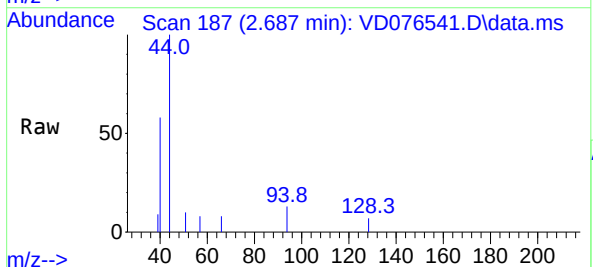


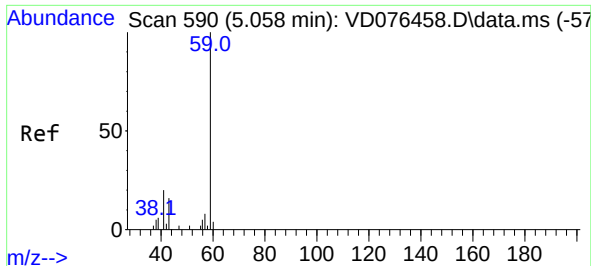
Tgt Ion:168 Resp: 5706
Ion Ratio Lower Upper
168 100
99 63.7 36.7 55.1#



#5
Bromomethane
Concen: 2.767 ug/l
RT: 2.687 min Scan# 187
Delta R.T. 0.006 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Tgt Ion: 94 Resp: 181
Ion Ratio Lower Upper
94 100
96 105.5 75.8 113.8

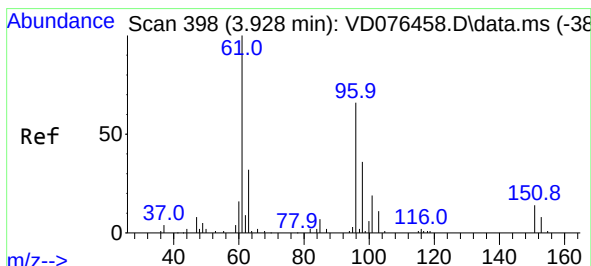
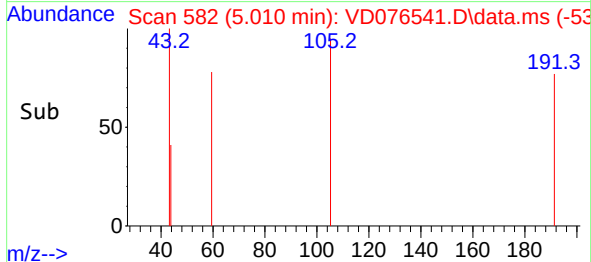
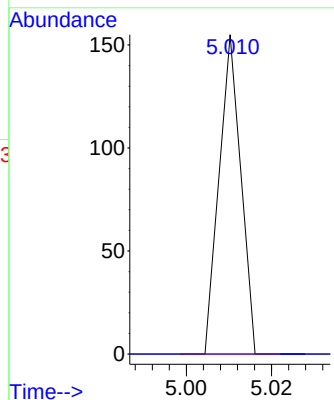
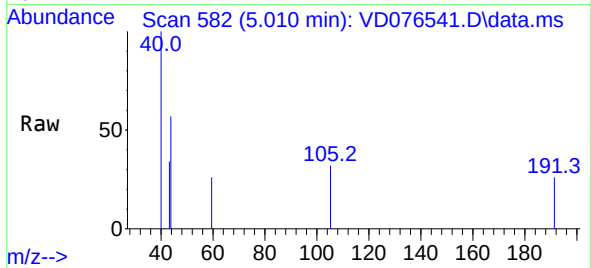




#11
Tert butyl alcohol
Concen: 11.143 ug/l
RT: 5.010 min Scan# 51
Delta R.T. -0.047 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

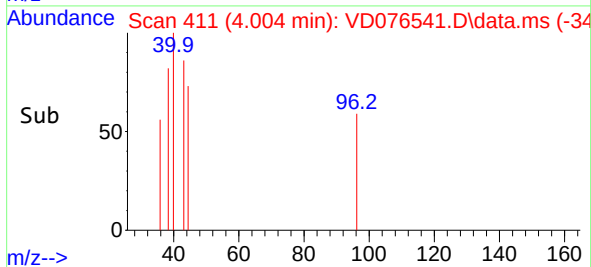
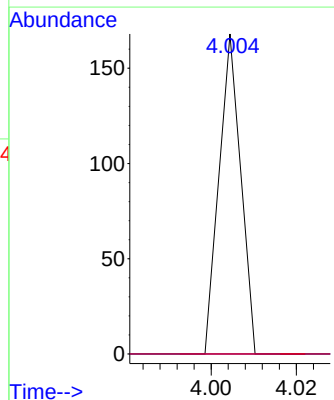
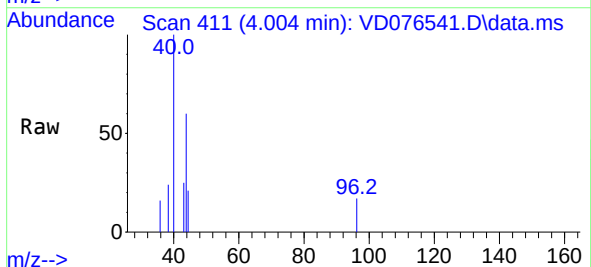
Instrument :
MSVOA_D
ClientSampleId :
SB38

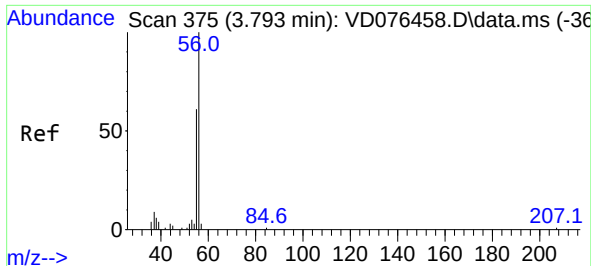
Tgt Ion: 59 Resp: 55
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



#12
1,1-Dichloroethene
Concen: 1.130 ug/l
RT: 4.004 min Scan# 411
Delta R.T. 0.076 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Tgt Ion: 96 Resp: 59
Ion Ratio Lower Upper
96 100
61 0.0 100.6 150.8#
98 0.0 50.2 75.2#

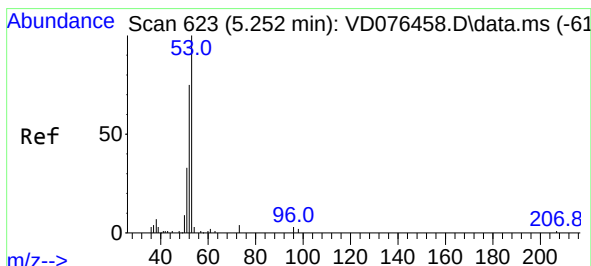
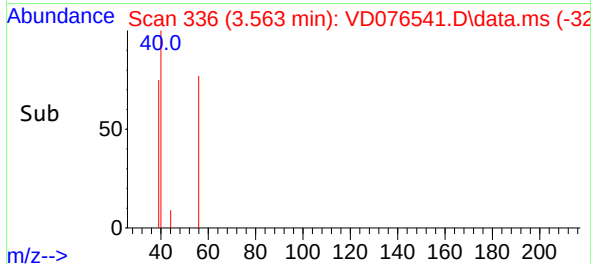
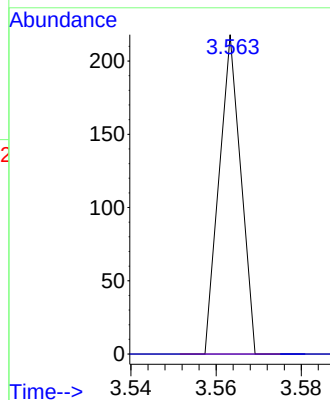
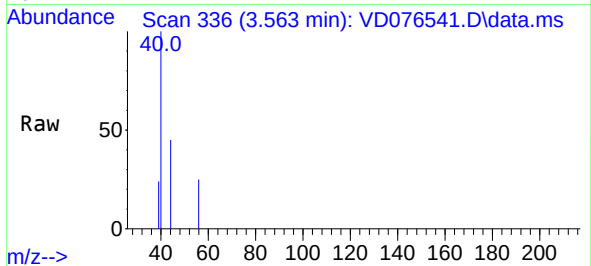




#13
Acrolein
Concen: 14.483 ug/l
RT: 3.563 min Scan# 31
Delta R.T. -0.230 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

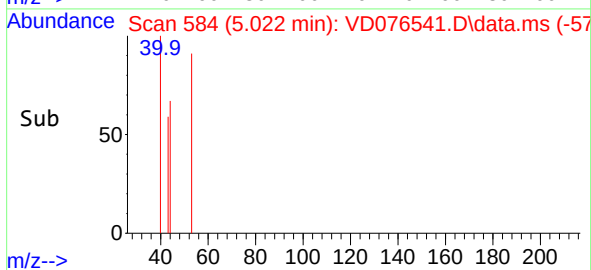
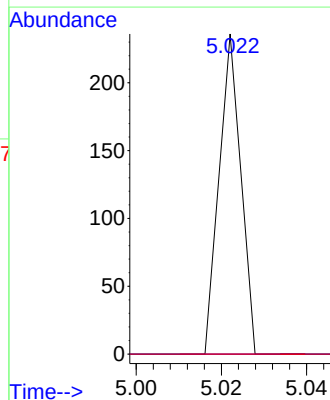
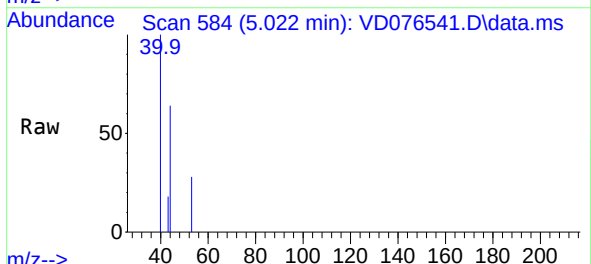
Instrument :
MSVOA_D
ClientSampleId :
SB38

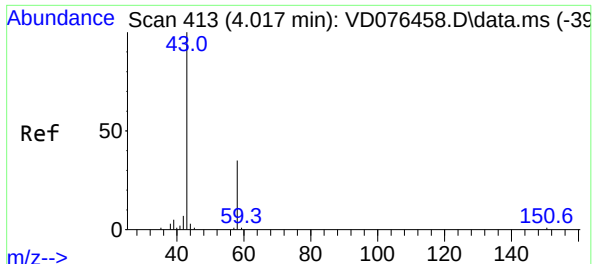
Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 0.0 55.1 82.7#



#15
Acrylonitrile
Concen: 5.181 ug/l
RT: 5.022 min Scan# 584
Delta R.T. -0.230 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Tgt Ion: 53 Resp: 83
Ion Ratio Lower Upper
53 100
52 0.0 65.0 97.4#
51 0.0 28.3 42.5#





#16

Acetone

Concen: 24.257 ug/l

RT: 4.010 min Scan# 41

Delta R.T. -0.006 min

Lab File: VD076541.D

Acq: 22 Jun 2023 16:13

Instrument :

MSVOA_D

ClientSampleId :

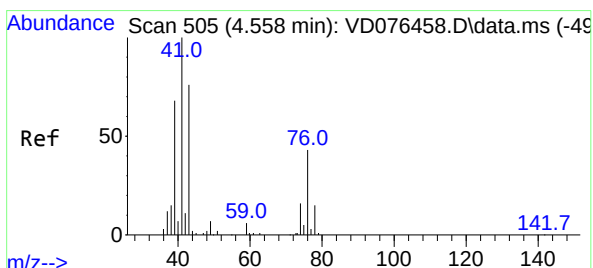
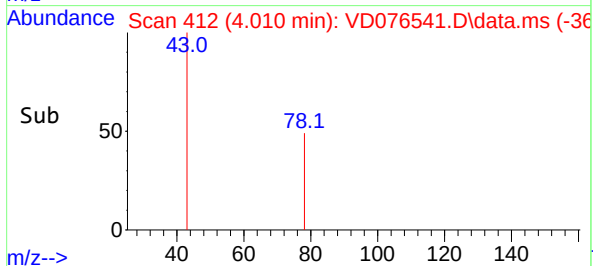
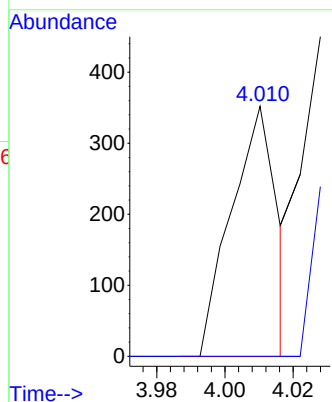
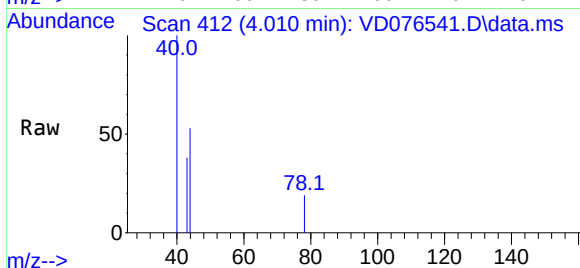
SB38

Tgt Ion: 43 Resp: 330

Ion Ratio Lower Upper

43 100

58 0.0 34.7 52.1#



#18

Methyl Acetate

Concen: 1.069 ug/l

RT: 4.740 min Scan# 536

Delta R.T. 0.182 min

Lab File: VD076541.D

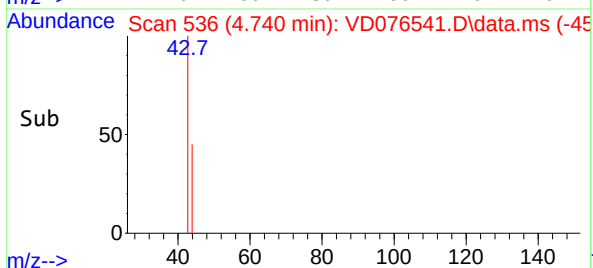
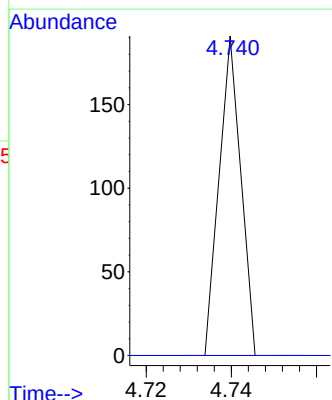
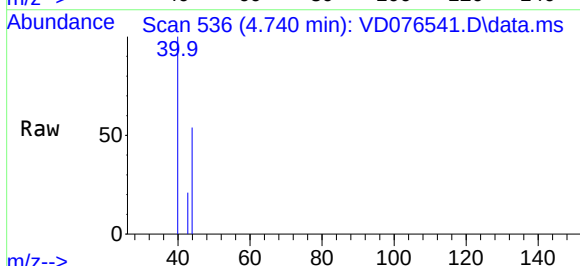
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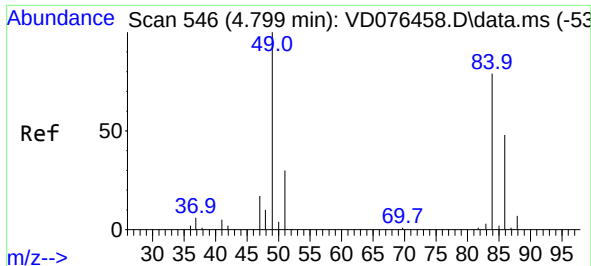
Tgt Ion: 43 Resp: 67

Ion Ratio Lower Upper

43 100

74 0.0 26.4 39.6#

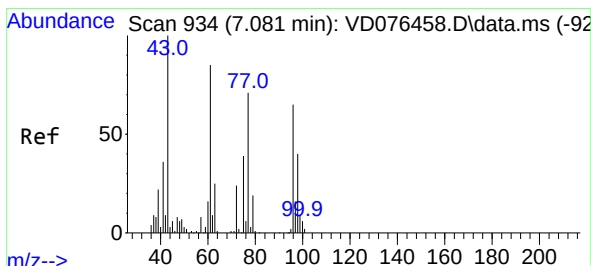
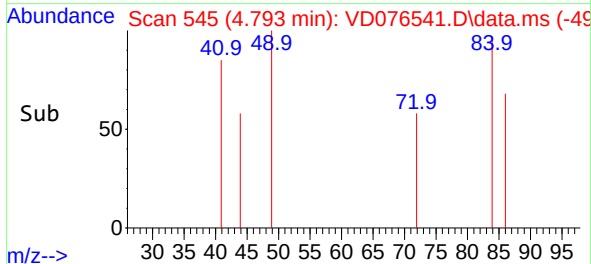
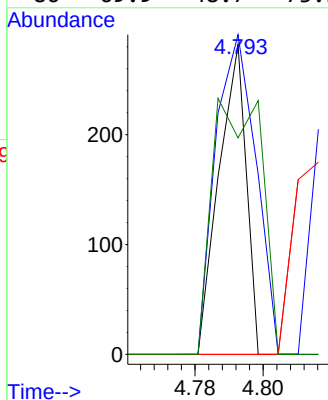
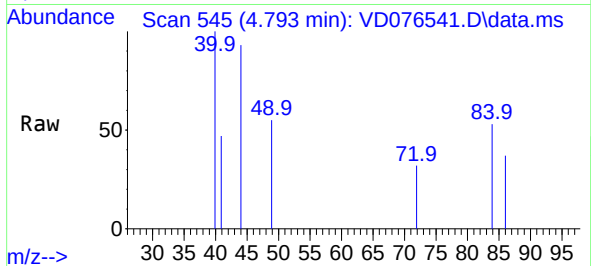




#20
Methylene Chloride
Concen: Below Cal
RT: 4.793 min Scan# 54
Delta R.T. -0.006 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

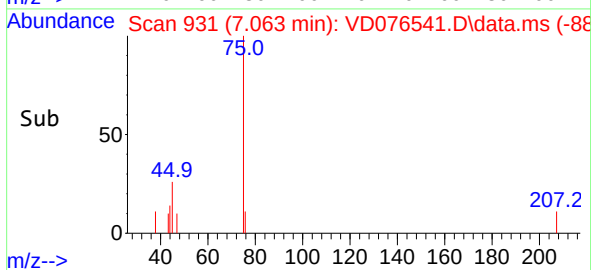
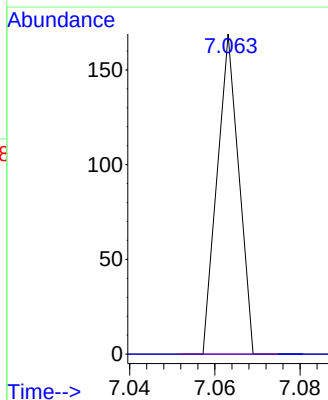
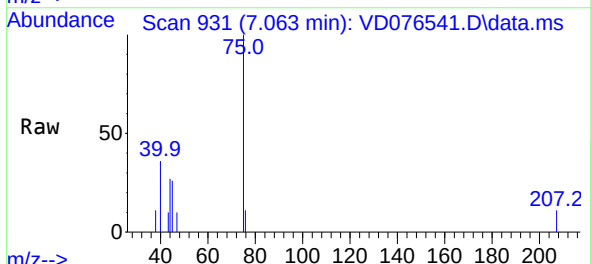
Instrument :
MSVOA_D
ClientSampleId :
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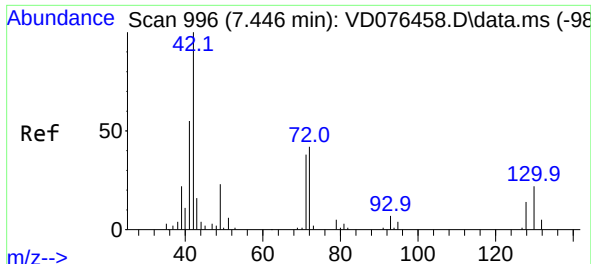
Tgt Ion:	84	Resp:	157
Ion	Ratio	Lower	Upper
84	100		
49	103.2	71.4	107.2
51	0.0	24.5	36.7#
86	69.9	48.7	73.1



#25
2-Butanone
Concen: 2.852 ug/l
RT: 7.063 min Scan# 931
Delta R.T. -0.018 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Tgt Ion:	43	Resp:	60
Ion	Ratio	Lower	Upper
43	100		
72	0.0	30.7	46.1#

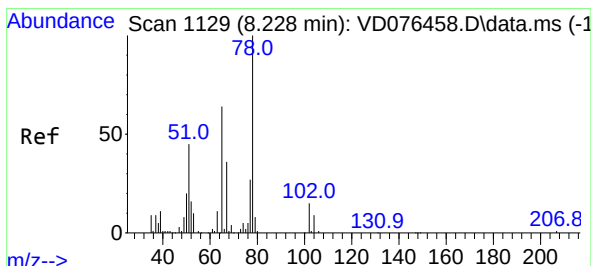
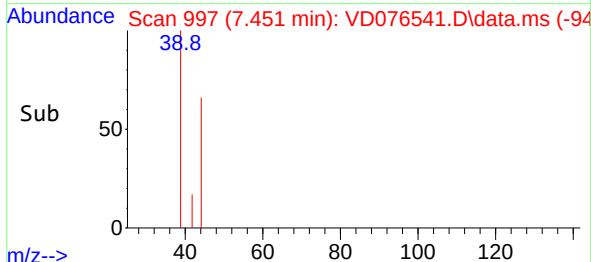
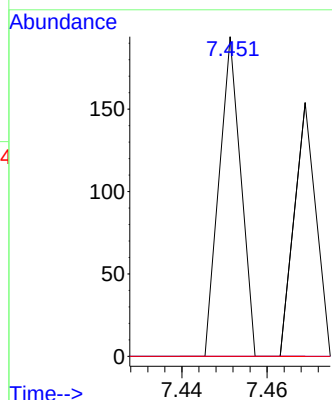
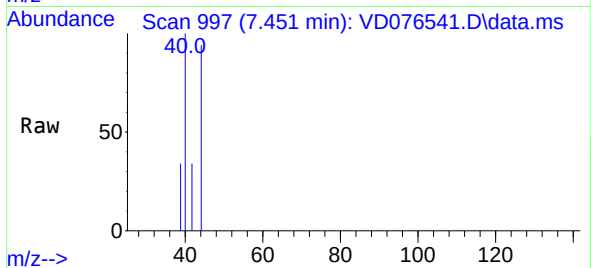




#29
Tetrahydrofuran
Concen: 5.029 ug/l
RT: 7.451 min Scan# 997
Delta R.T. 0.005 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

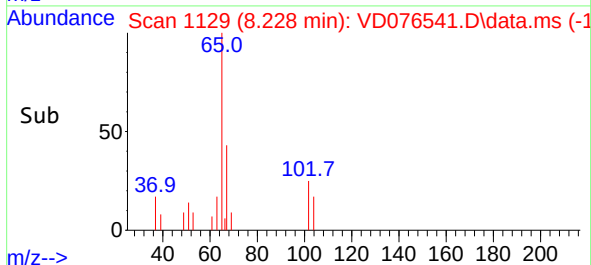
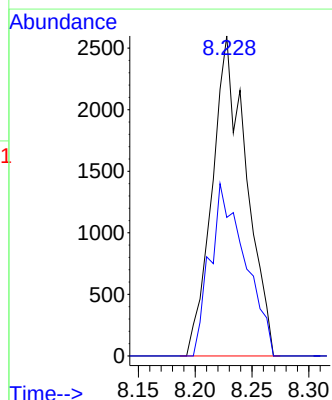
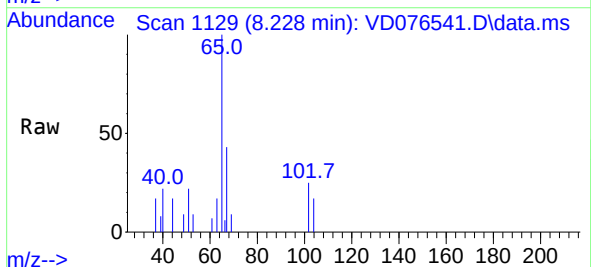
Instrument :
MSVOA_D
ClientSampleId :
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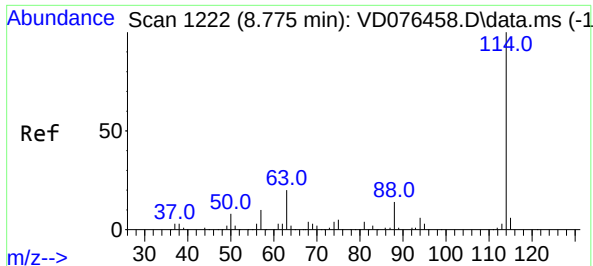
Tgt Ion: 42 Resp: 68
Ion Ratio Lower Upper
42 100
72 0.0 46.5 69.7#
71 0.0 44.5 66.7#



#33
1,2-Dichloroethane-d4
Concen: 94.824 ug/l
RT: 8.228 min Scan# 1129
Delta R.T. -0.000 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Tgt Ion: 65 Resp: 5421
Ion Ratio Lower Upper
65 100
67 55.2 0.0 115.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD076541.D

Acq: 22 Jun 2023 16:13

Instrument :

MSVOA_D

ClientSampleId :

SB38

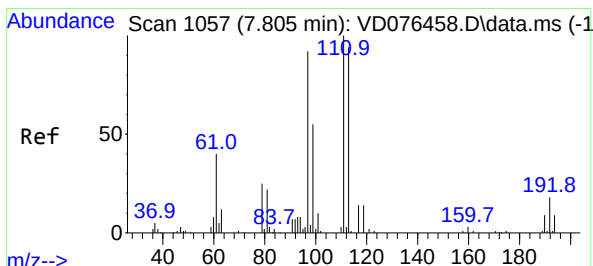
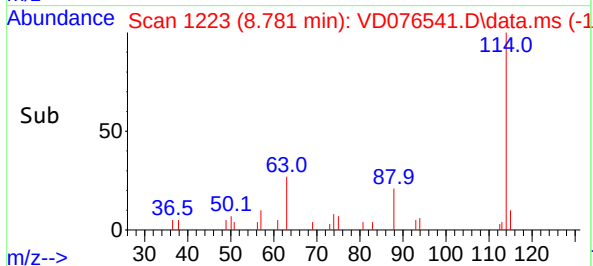
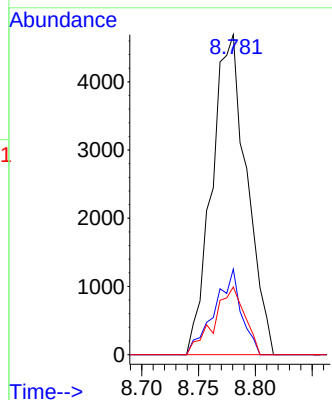
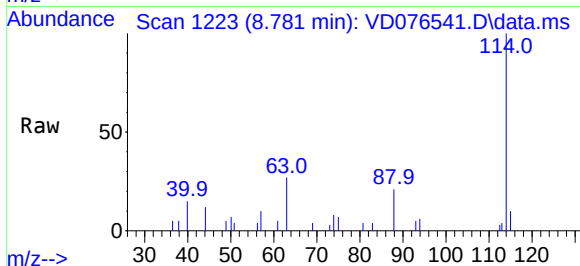
Tgt Ion:114 Resp: 10015

Ion Ratio Lower Upper

114 100

63 26.7 0.0 33.4

88 21.2 0.0 26.2



#35

Dibromofluoromethane

Concen: 65.685 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VD076541.D

Acq: 22 Jun 2023 16:13

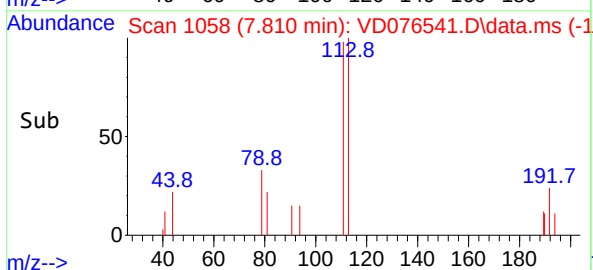
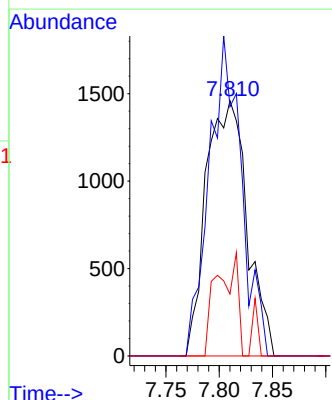
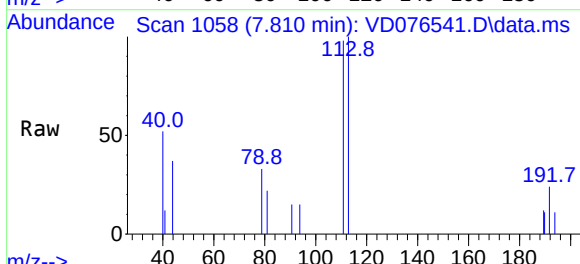
Tgt Ion:113 Resp: 3908

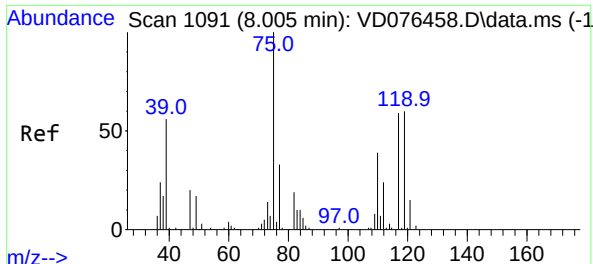
Ion Ratio Lower Upper

113 100

111 98.1 84.7 127.1

192 20.4 16.8 25.2

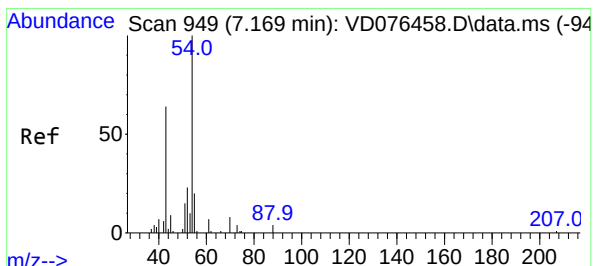
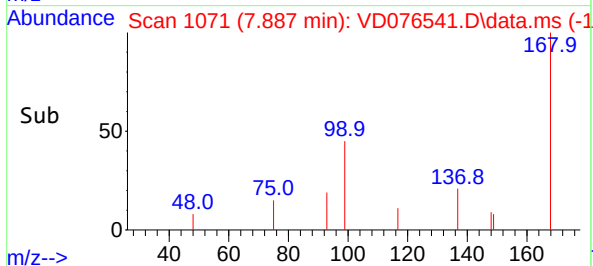
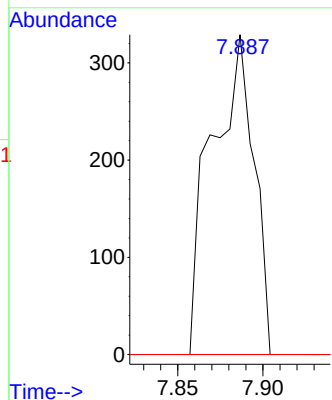
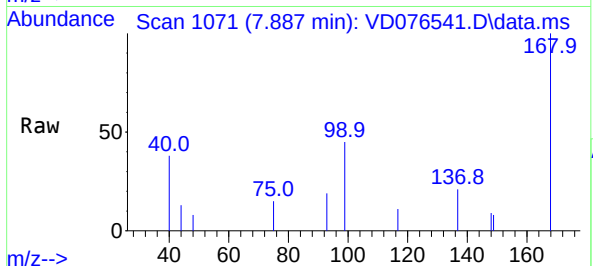




#36
1,1-Dichloropropene
Concen: 6.781 ug/l
RT: 7.887 min Scan# 1091
Delta R.T. -0.118 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

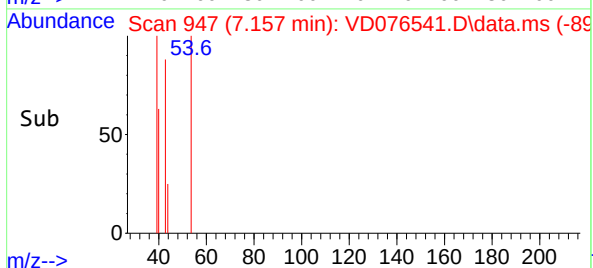
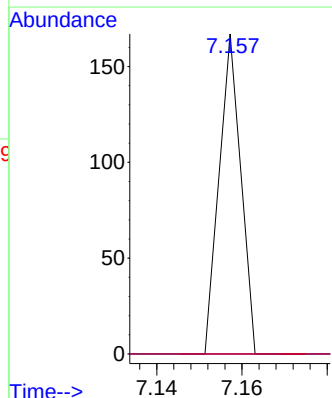
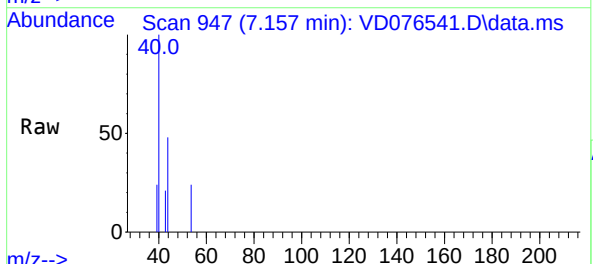
Instrument :
MSVOA_D
ClientSampleId :
SB38

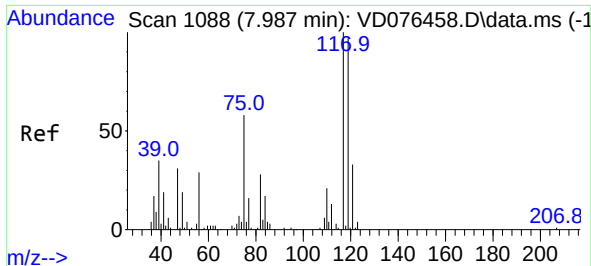
Tgt Ion: 75 Resp: 565
Ion Ratio Lower Upper
75 100
110 0.0 19.9 59.6#
77 0.0 24.7 37.1#



#37
Ethyl Acetate
Concen: 1.222 ug/l
RT: 7.157 min Scan# 947
Delta R.T. -0.012 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
61 0.0 14.9 22.3#
70 0.0 10.0 15.0#

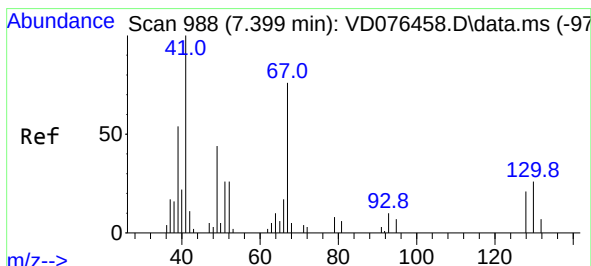
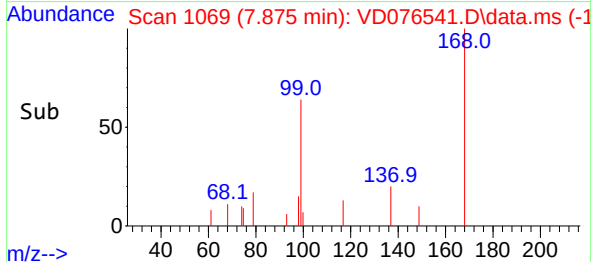
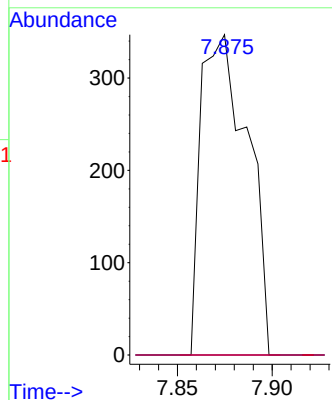
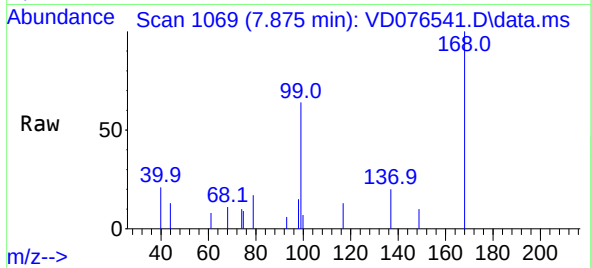




#38
Carbon Tetrachloride
Concen: 7.977 ug/l
RT: 7.875 min Scan# 1088
Delta R.T. -0.112 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

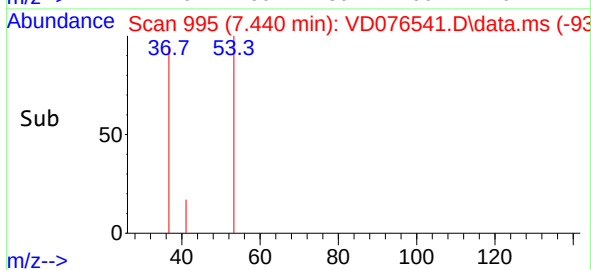
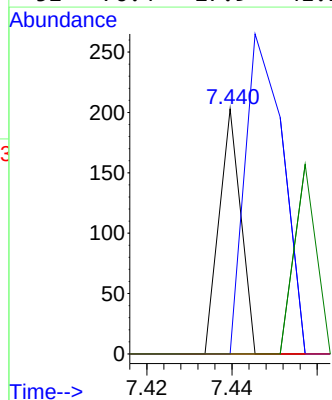
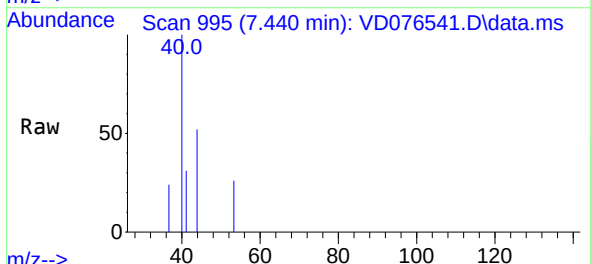
Instrument : MSVOA_D
ClientSampleId : SB38

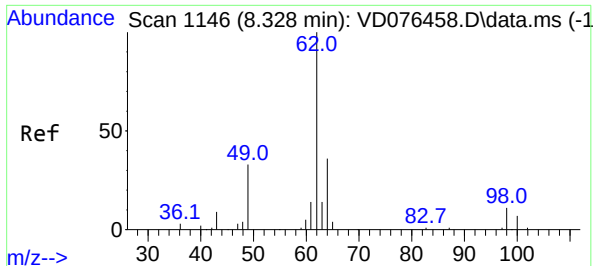
Tgt Ion: 117 Resp: 594
Ion Ratio Lower Upper
117 100
119 0.0 78.0 117.0#
121 0.0 24.2 36.2#



#41
Methacrylonitrile
Concen: 2.641 ug/l
RT: 7.440 min Scan# 995
Delta R.T. 0.041 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Tgt Ion: 41 Resp: 72
Ion Ratio Lower Upper
41 100
39 226.4 34.0 51.0#
67 0.0 77.0 115.4#
52 76.4 27.9 41.9#

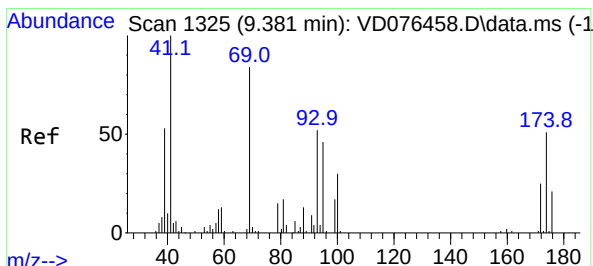
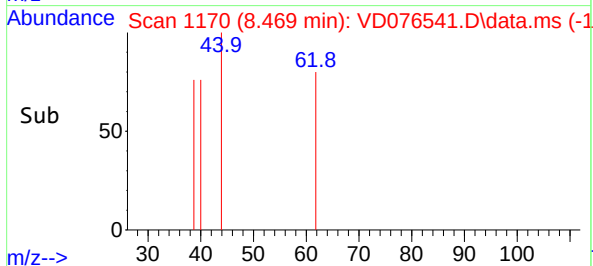
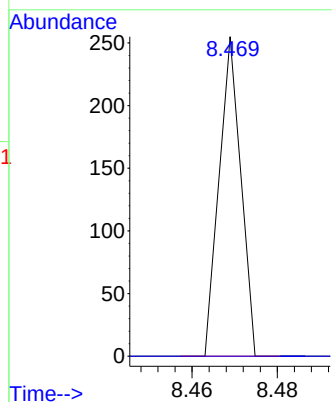
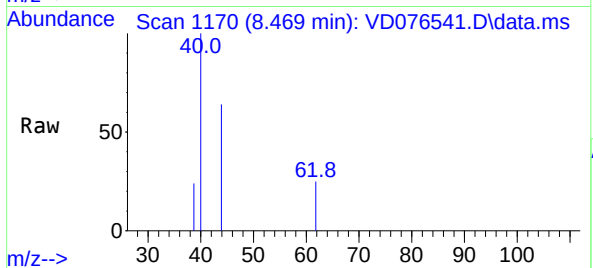




#42
1,2-Dichloroethane
Concen: 1.311 ug/l
RT: 8.469 min Scan# 1146
Delta R.T. 0.141 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

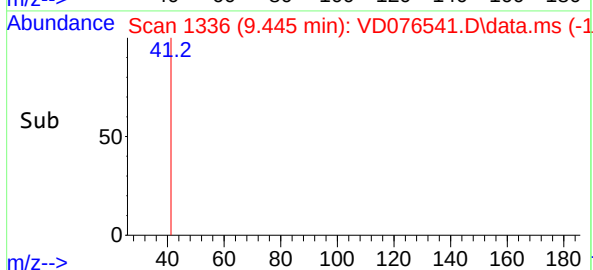
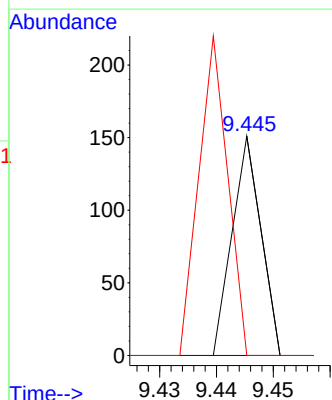
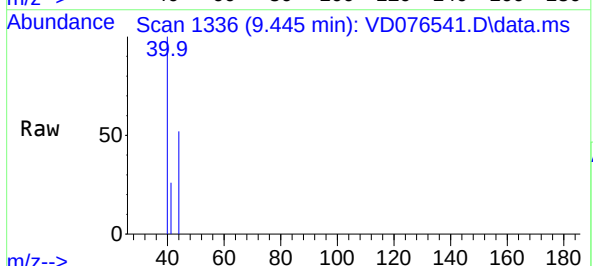
Instrument :
MSVOA_D
ClientSampleId :
SB38

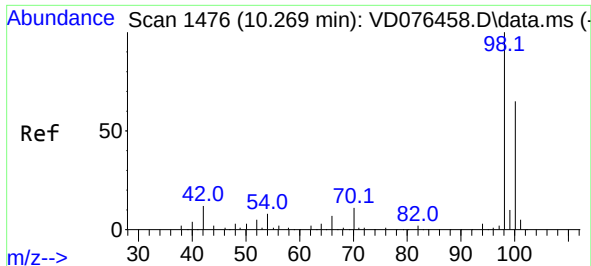
Tgt Ion: 62 Resp: 90
Ion Ratio Lower Upper
62 100
98 0.0 0.0 25.4



#48
Methyl methacrylate
Concen: 1.265 ug/l
RT: 9.445 min Scan# 1336
Delta R.T. 0.064 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Tgt Ion: 41 Resp: 53
Ion Ratio Lower Upper
41 100
69 0.0 102.2 153.2#
39 147.2 41.4 62.2#

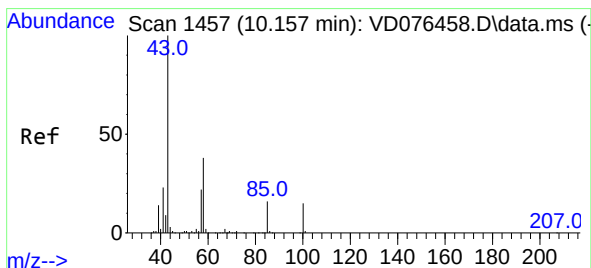
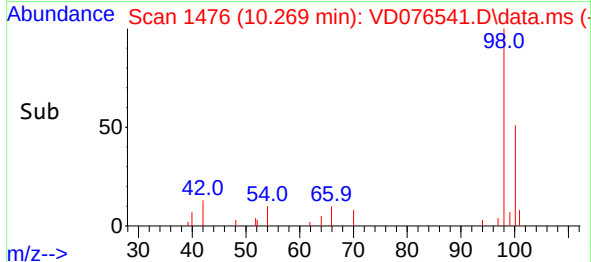
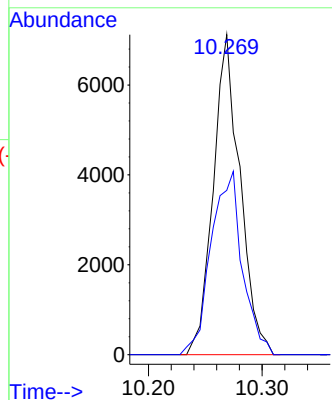
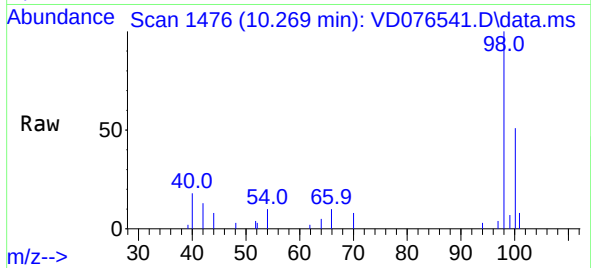




#50
Toluene-d8
Concen: 51.676 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

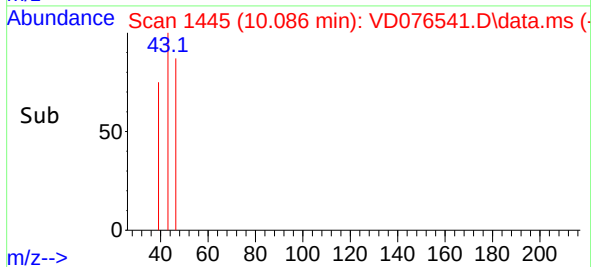
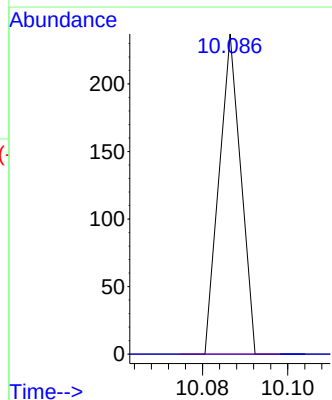
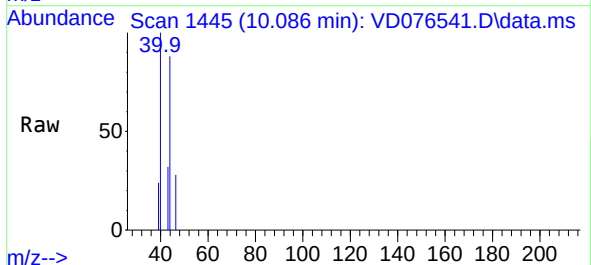
Instrument :
MSVOA_D
ClientSampleId :
SB38

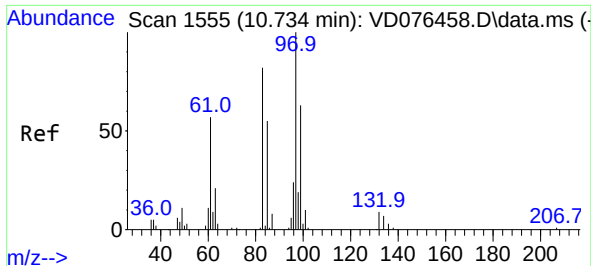
Tgt Ion: 98 Resp: 11660
Ion Ratio Lower Upper
98 100
100 66.8 50.3 75.5



#51
4-Methyl-2-Pentanone
Concen: 1.798 ug/l
RT: 10.086 min Scan# 1445
Delta R.T. -0.071 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

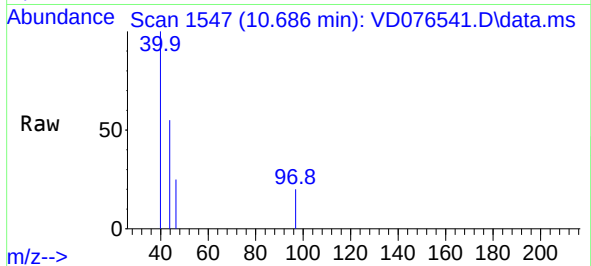
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
58 0.0 38.9 58.3#





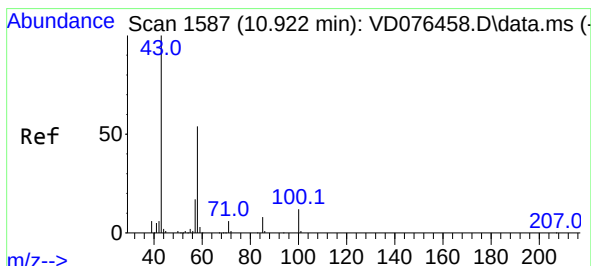
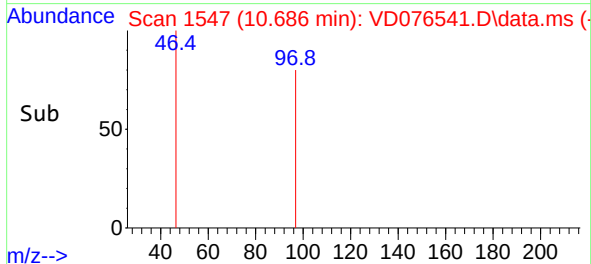
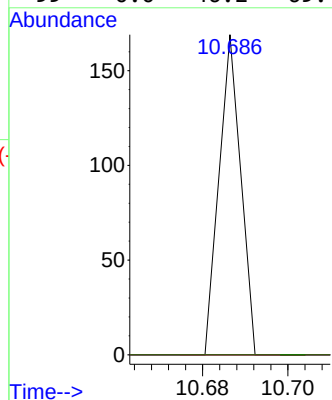
#55
1,1,2-Trichloroethane
Concen: 1.162 ug/l
RT: 10.686 min Scan# 11
Delta R.T. -0.047 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Instrument :
MSVOA_D
ClientSampleId :
SB38



Tgt Ion: 97 Resp: 60

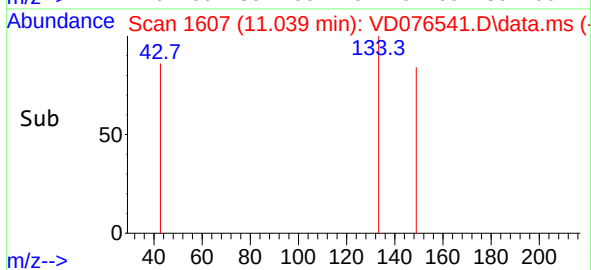
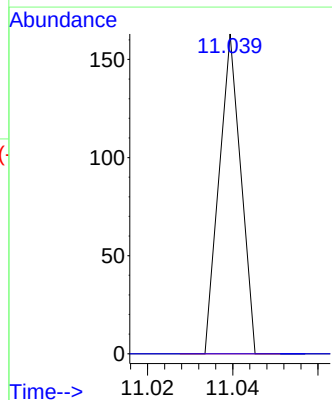
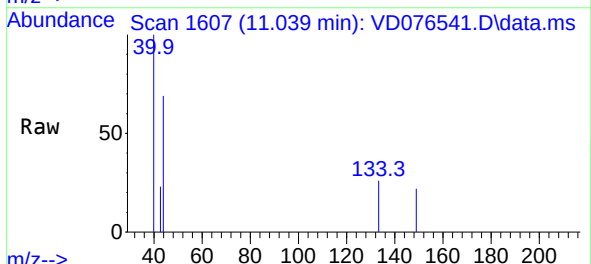
Ion	Ratio	Lower	Upper
97	100		
83	0.0	65.8	98.6#
85	0.0	45.7	68.5#
99	0.0	46.2	69.4#

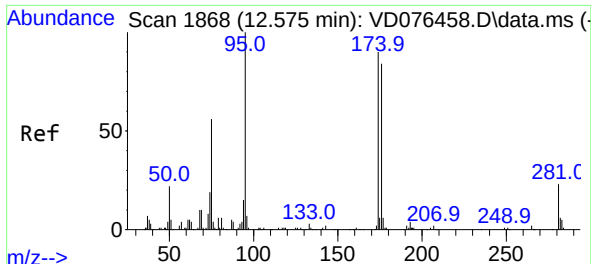


#59
2-Hexanone
Concen: 1.785 ug/l
RT: 11.039 min Scan# 1607
Delta R.T. 0.117 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Tgt Ion: 43 Resp: 58

Ion	Ratio	Lower	Upper
43	100		
58	0.0	34.1	102.2#

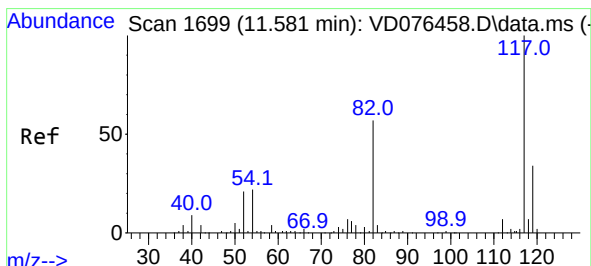
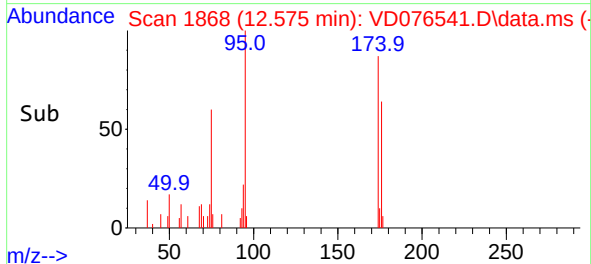
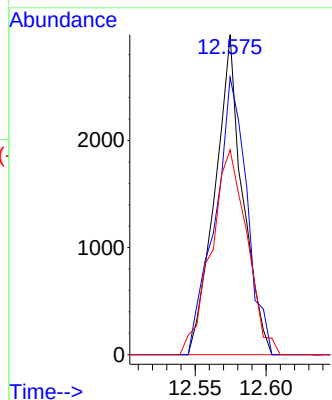
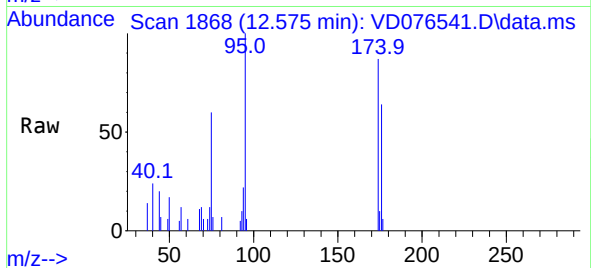




#62
4-Bromofluorobenzene
Concen: 55.252 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

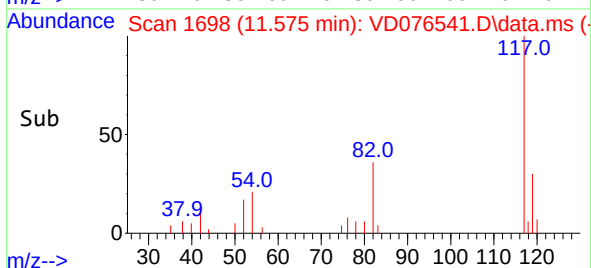
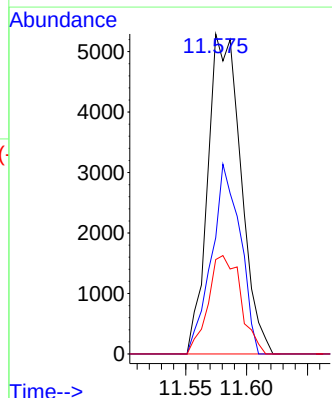
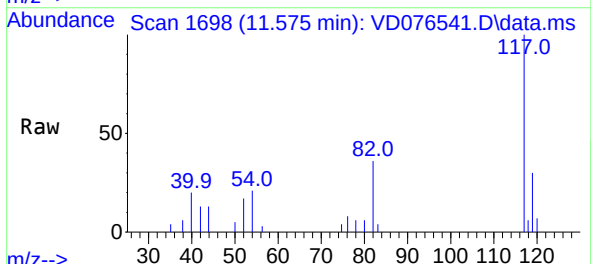
Instrument :
MSVOA_D
ClientSampleId :
SB38

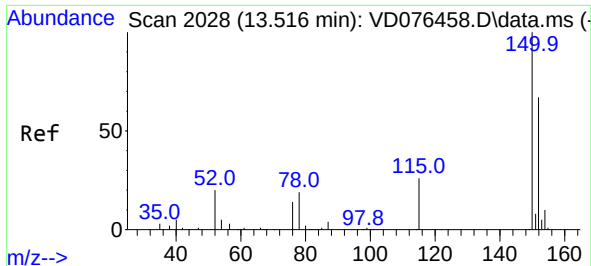
Tgt Ion:	95	Resp:	4046
Ion	Ratio	Lower	Upper
95	100		
174	99.4	0.0	201.8
176	82.7	0.0	191.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1698
Delta R.T. -0.006 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Tgt Ion:	117	Resp:	9993
Ion	Ratio	Lower	Upper
117	100		
82	36.3	38.3	57.5#
119	29.5	25.0	37.4

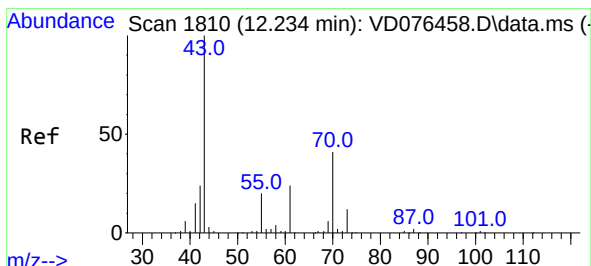
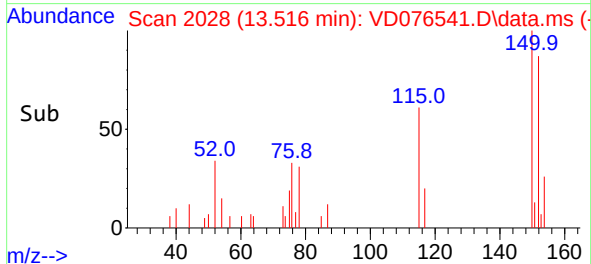
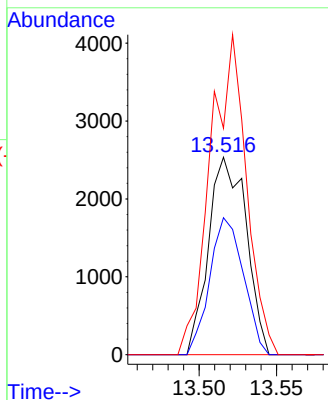
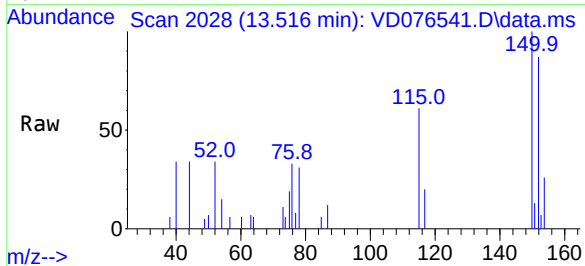




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.516 min Scan# 20
Delta R.T. -0.000 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

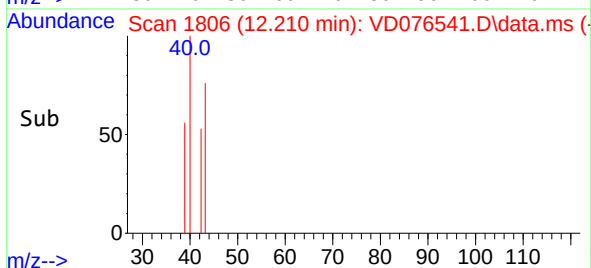
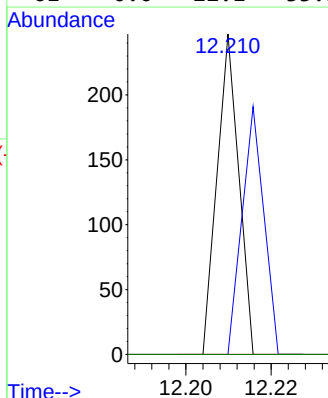
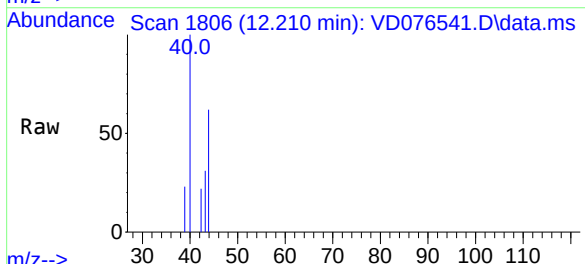
Instrument :
MSVOA_D
ClientSampleId :
SB38

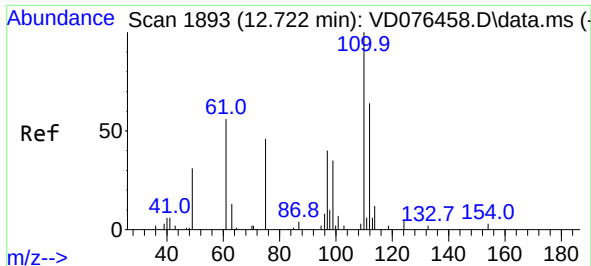
Tgt Ion:152 Resp: 4292
Ion Ratio Lower Upper
152 100
115 62.1 27.1 81.3
150 154.2 0.0 353.6



#74
N-ethyl acetate
Concen: 1.028 ug/l
RT: 12.210 min Scan# 1806
Delta R.T. -0.024 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Tgt Ion: 43 Resp: 87
Ion Ratio Lower Upper
43 100
70 77.0 45.0 67.4#
55 0.0 23.8 35.6#
61 0.0 22.1 33.1#

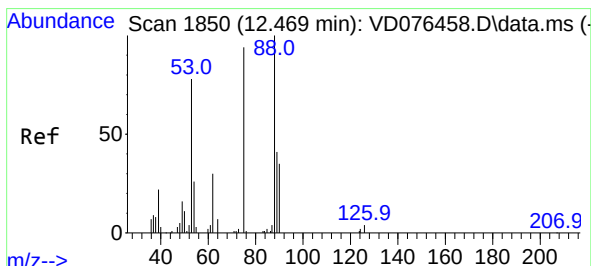
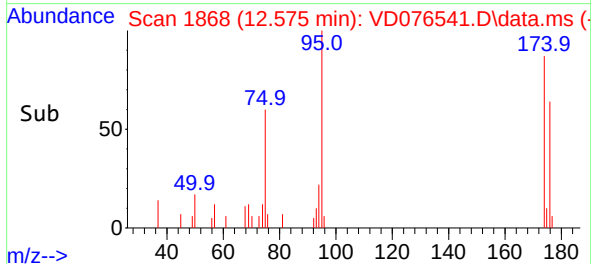
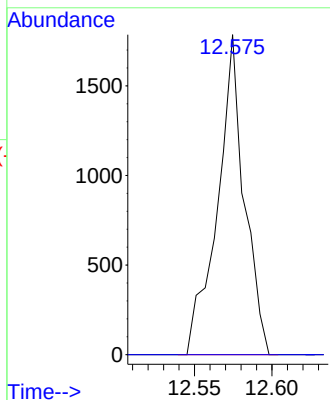
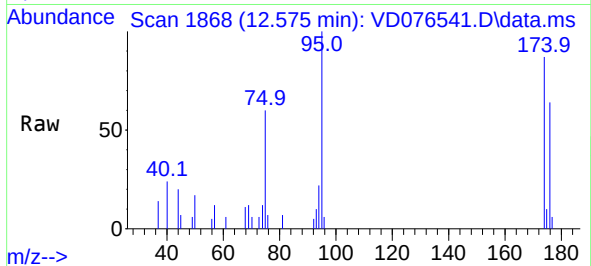




#76
1,2,3-Trichloropropane
Concen: 50.426 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.147 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Instrument :
MSVOA_D
ClientSampleId :
SB38

Tgt Ion: 75 Resp: 2148
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 110.495 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. 0.106 min
Lab File: VD076541.D
Acq: 22 Jun 2023 16:13

Tgt Ion: 75 Resp: 2148
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 37.9 56.9#

