

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122822\
 Data File : VD075063.D
 Acq On : 28 Dec 2022 13:59
 Operator : KP/SY
 Sample : N6220-01
 Misc : 3.90G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

Quant Time: Dec 29 03:50:21 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D12222S.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 23 05:54:19 2022
 Response via : Initial Calibration

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

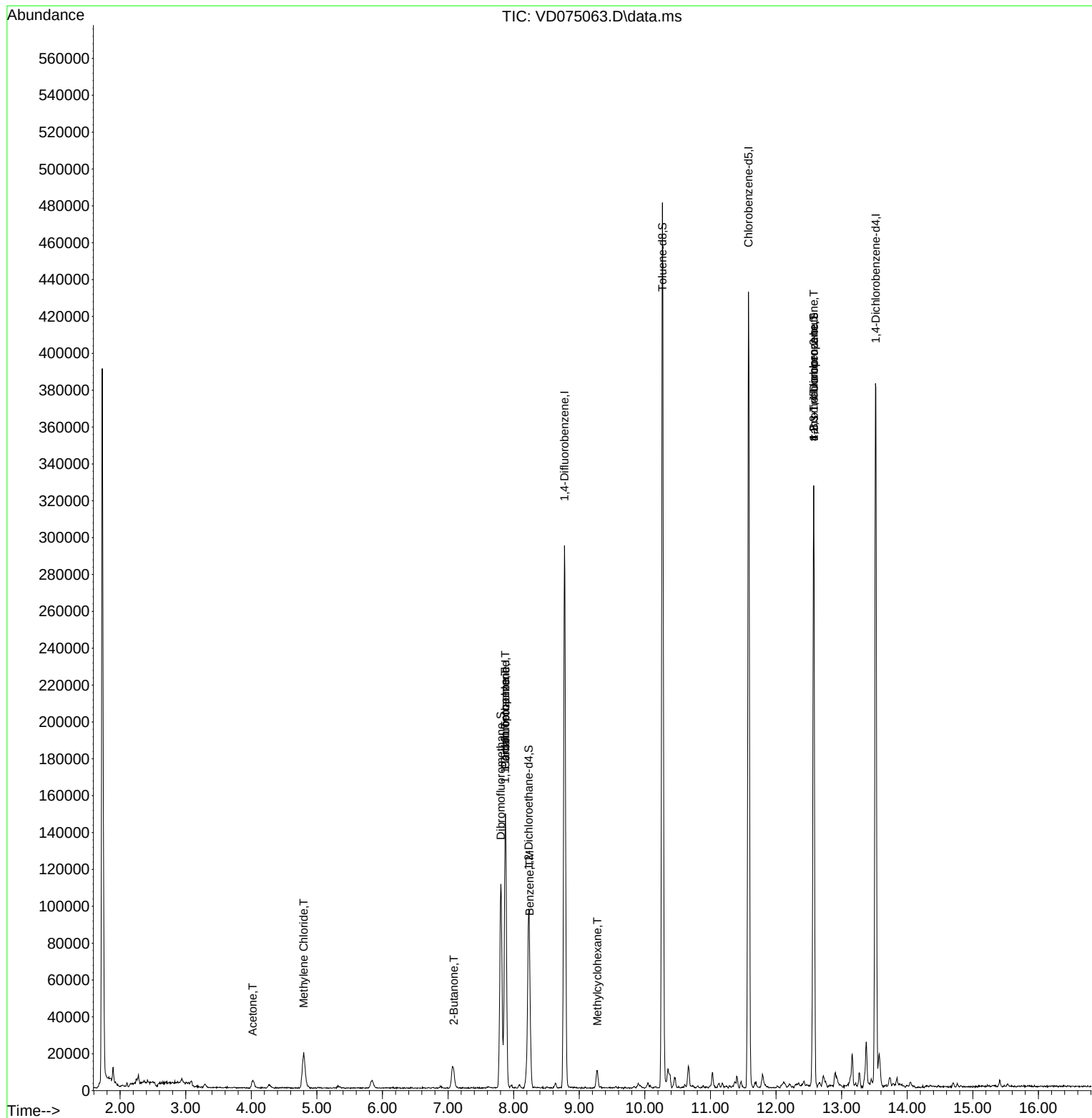
Internal Standards						
1) Pentafluorobenzene	7.875	168	112783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	264268	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.581	117	248255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	106312	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	68958	62.552	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.100%	
35) Dibromofluoromethane	7.804	113	81947	52.697	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.400%	
50) Toluene-d8	10.269	98	327012	52.045	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.080%	
62) 4-Bromofluorobenzene	12.575	95	108371	53.240	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.480%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	234	Below Cal	#	42
3) Chloromethane	2.140	50	570	Below Cal	#	41
5) Bromomethane	2.687	94	314	Below Cal	#	53
11) Tert butyl alcohol	5.016	59	114	Below Cal	#	84
16) Acetone	4.022	43	7709	26.924	ug/l	100
17) Carbon Disulfide	4.263	76	2971	Below Cal	#	92
18) Methyl Acetate	4.569	43	57	Below Cal	#	44
20) Methylene Chloride	4.799	84	14415	5.286	ug/l	# 82
25) 2-Butanone	7.087	43	3706	9.699	ug/l	89
31) Cyclohexane	7.875	56	4610	Below Cal	#	56
36) 1,1-Dichloropropene	7.869	75	9312	4.636	ug/l	# 47
38) Carbon Tetrachloride	7.875	117	11742	6.761	ug/l	# 15
39) Methylcyclohexane	9.275	83	4170	1.709	ug/l	# 81
40) Benzene	8.246	78	16136	2.639	ug/l	97
76) 1,2,3-Trichloropropane	12.575	75	53847	49.398	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.575	75	53847	114.487	ug/l	# 19

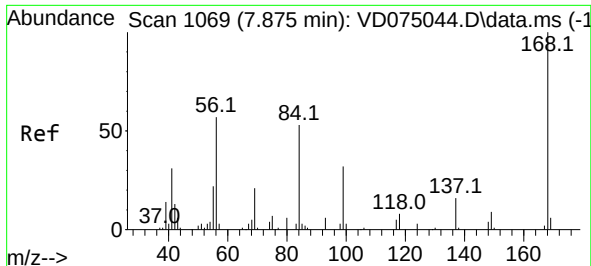
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122222S.M
Quant Title : SW846 8260
QLast Update : Fri Dec 23 05:54:19 2022
Response via : Initial Calibration

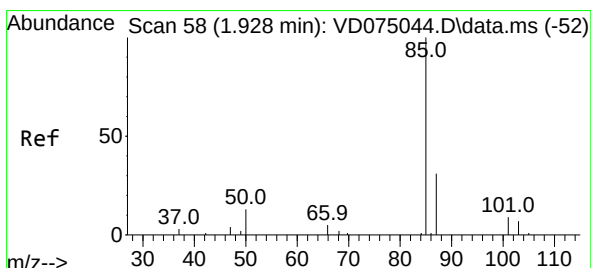
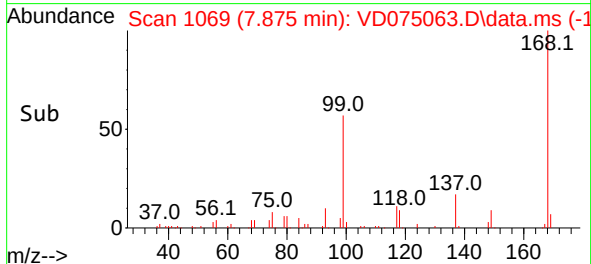
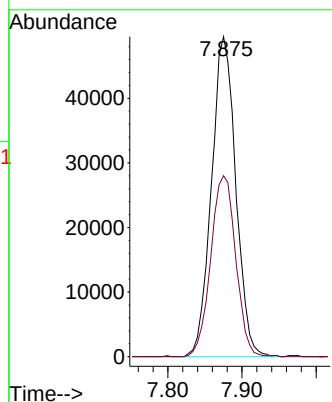
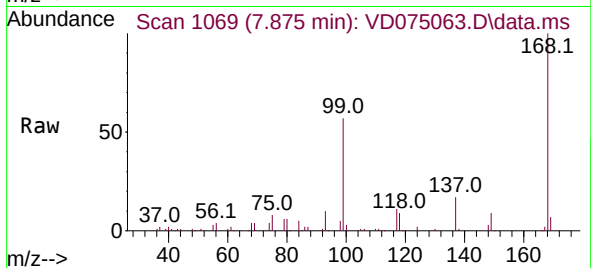




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VD075063.D
Acq: 28 Dec 2022 13:59

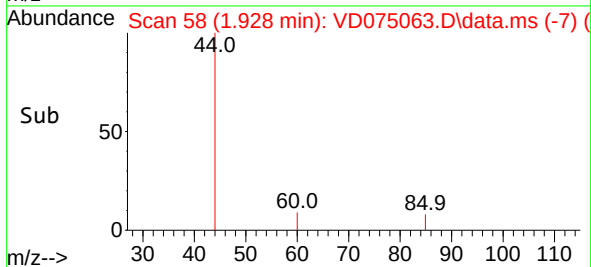
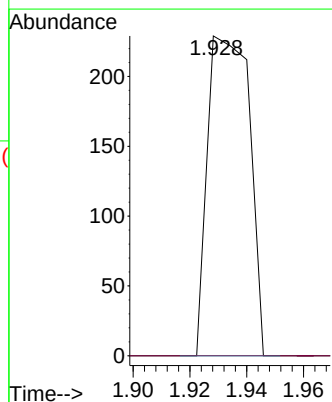
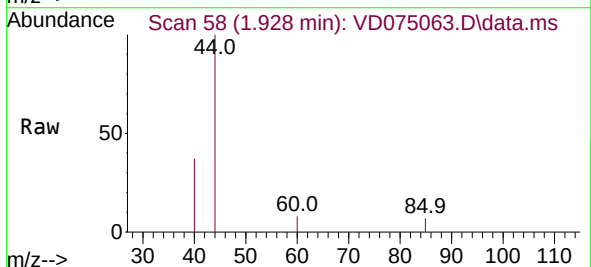
Instrument :
MSVOA_D
ClientSampleId :
TP-1

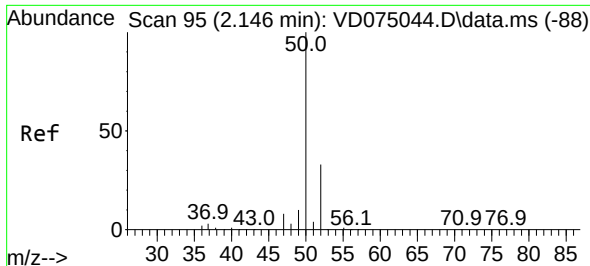
Tgt Ion:168 Resp: 112783
Ion Ratio Lower Upper
168 100
99 56.5 40.3 60.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.928 min Scan# 58
Delta R.T. 0.000 min
Lab File: VD075063.D
Acq: 28 Dec 2022 13:59

Tgt Ion: 85 Resp: 234
Ion Ratio Lower Upper
85 100
87 0.0 16.5 49.5#

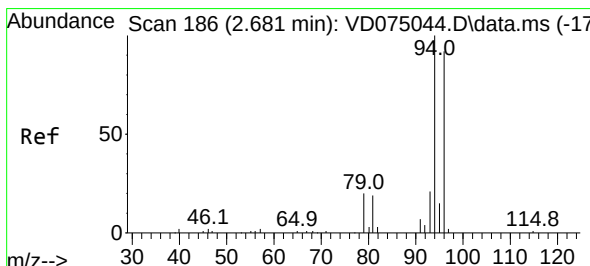
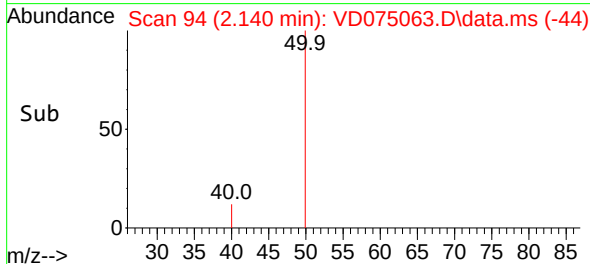
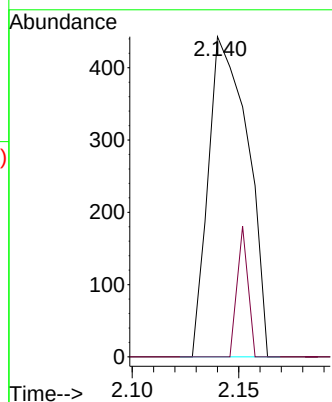
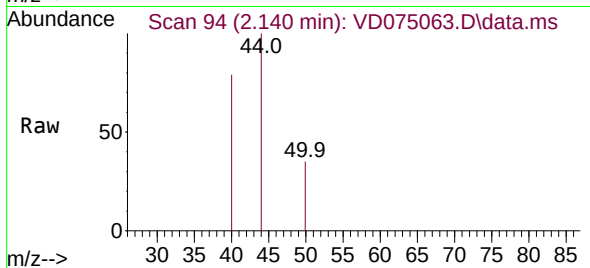




#3
Chloromethane
Concen: Below Cal
RT: 2.140 min Scan# 94
Delta R.T. -0.006 min
Lab File: VD075063.D
Acq: 28 Dec 2022 13:59

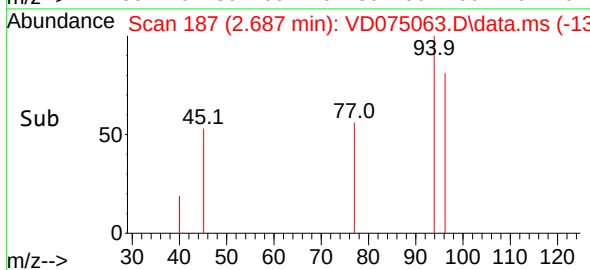
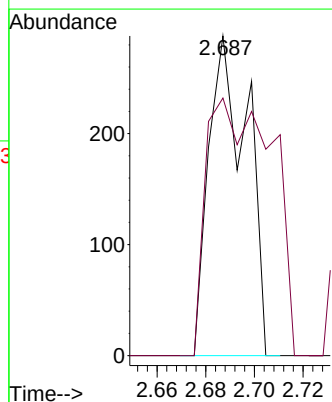
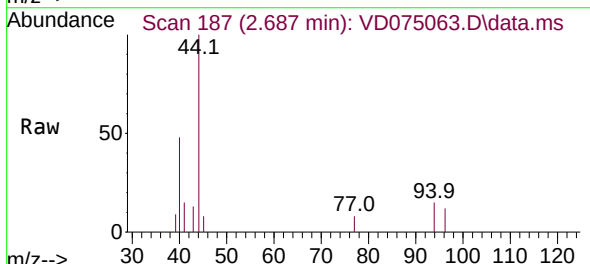
Instrument :
MSVOA_D
ClientSampleId :
TP-1

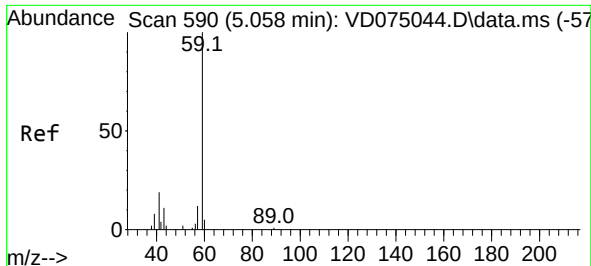
Tgt Ion: 50 Resp: 570
Ion Ratio Lower Upper
50 100
52 0.0 27.2 40.8#



#5
Bromomethane
Concen: Below Cal
RT: 2.687 min Scan# 187
Delta R.T. 0.006 min
Lab File: VD075063.D
Acq: 28 Dec 2022 13:59

Tgt Ion: 94 Resp: 314
Ion Ratio Lower Upper
94 100
96 139.2 75.2 112.8#

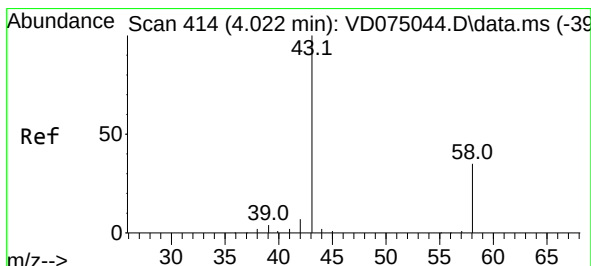
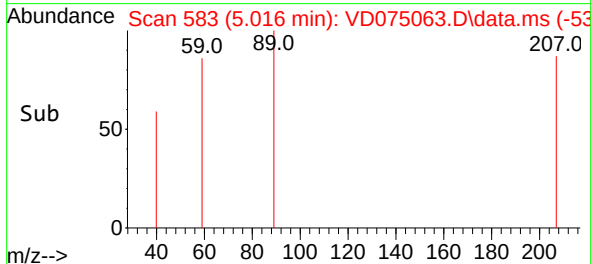
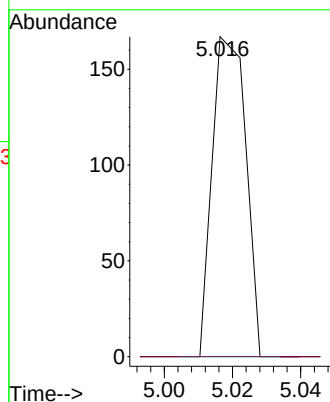
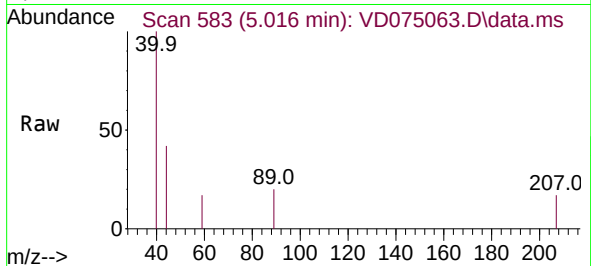




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.016 min Scan# 51
Delta R.T. -0.036 min
Lab File: VD075063.D
Acq: 28 Dec 2022 13:59

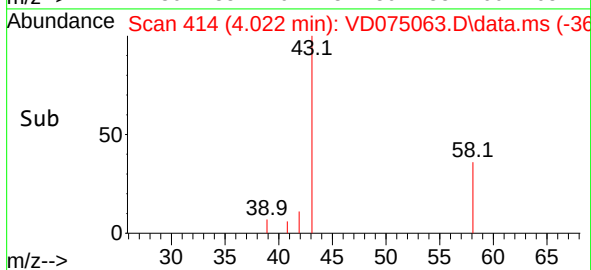
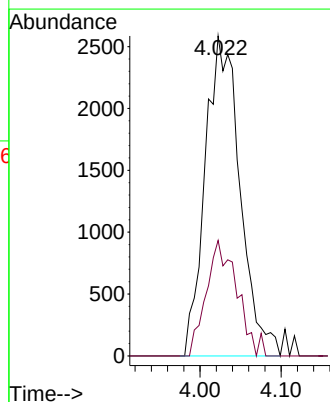
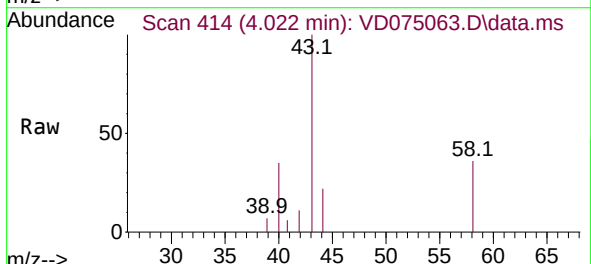
Instrument :
MSVOA_D
ClientSampleId :
TP-1

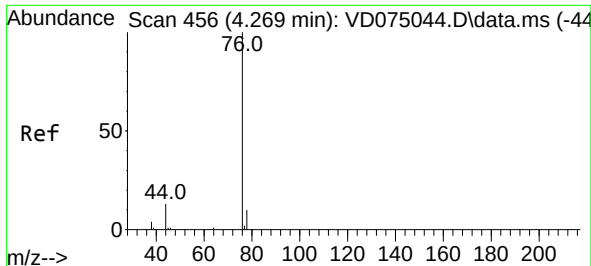
Tgt Ion: 59 Resp: 114
Ion Ratio Lower Upper
59 100
57 0.0 4.3 6.5#



#16
Acetone
Concen: 26.924 ug/l
RT: 4.022 min Scan# 414
Delta R.T. 0.000 min
Lab File: VD075063.D
Acq: 28 Dec 2022 13:59

Tgt Ion: 43 Resp: 7709
Ion Ratio Lower Upper
43 100
58 36.1 28.6 43.0

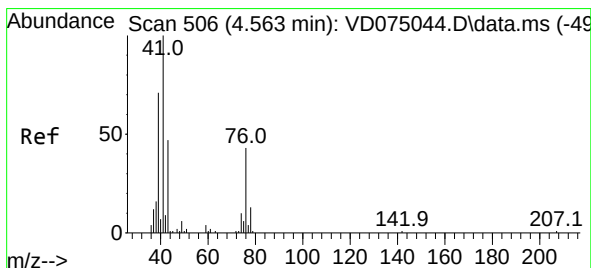
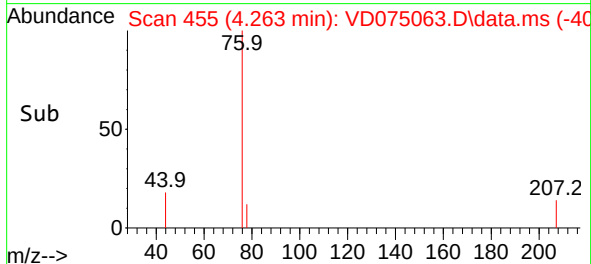
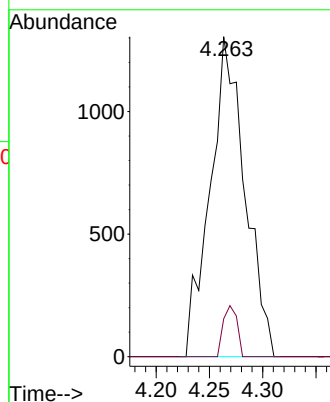
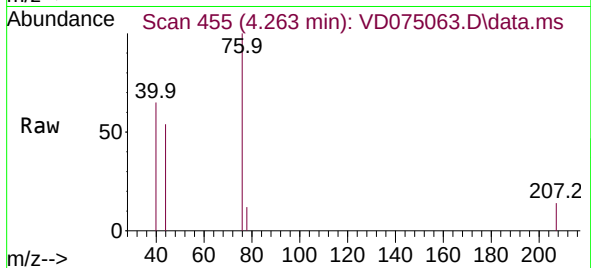




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.263 min Scan# 41
Delta R.T. -0.001 min
Lab File: VD075063.D
Acq: 28 Dec 2022 13:59

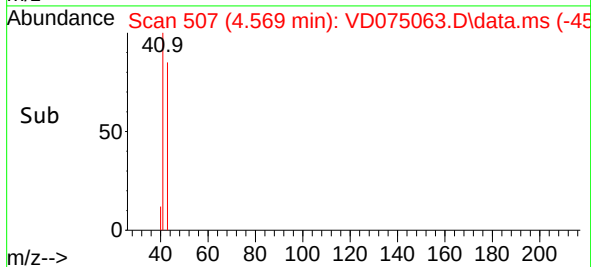
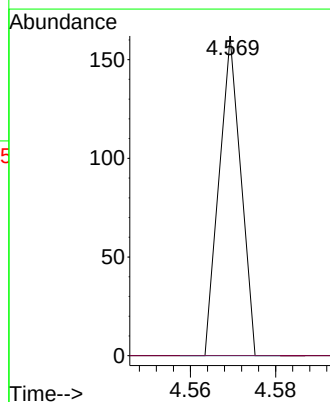
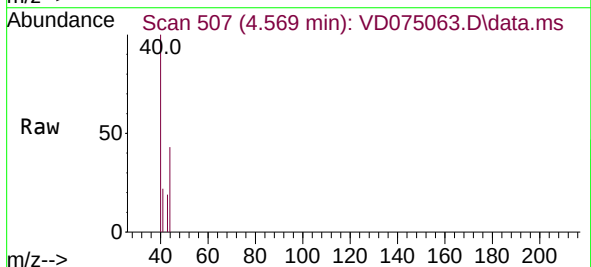
Instrument :
MSVOA_D
ClientSampleId :
TP-1

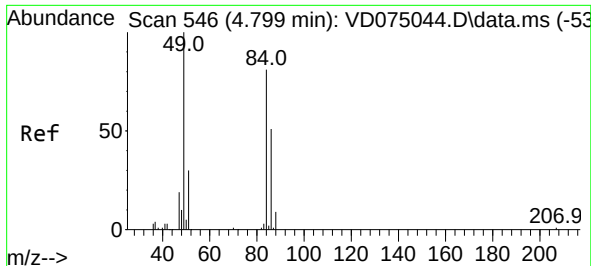
Tgt Ion: 76 Resp: 2971
Ion Ratio Lower Upper
76 100
78 11.9 7.2 10.8#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.569 min Scan# 507
Delta R.T. 0.005 min
Lab File: VD075063.D
Acq: 28 Dec 2022 13:59

Tgt Ion: 43 Resp: 57
Ion Ratio Lower Upper
43 100
74 0.0 24.5 36.7#

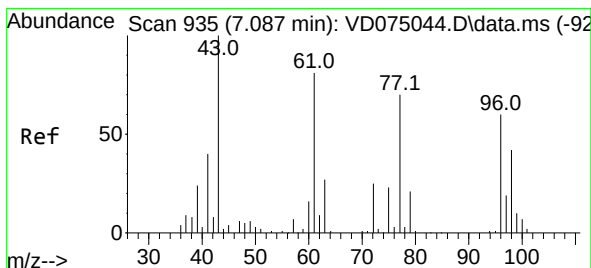
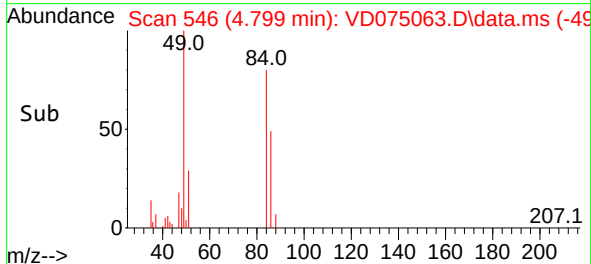
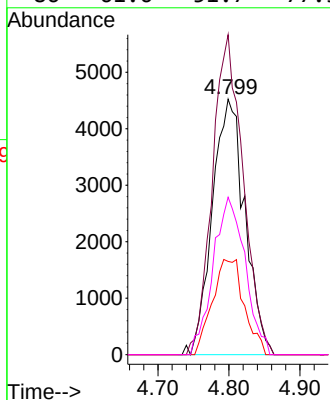
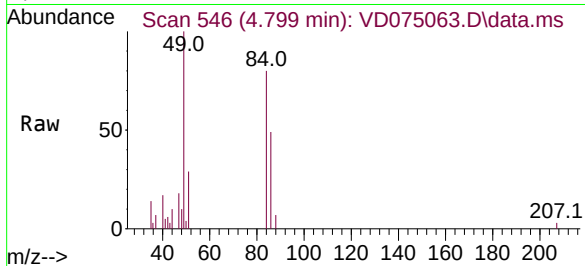




#20
Methylene Chloride
Concen: 5.286 ug/l
RT: 4.799 min Scan# 546
Delta R.T. 0.006 min
Lab File: VD075063.D
Acq: 28 Dec 2022 13:59

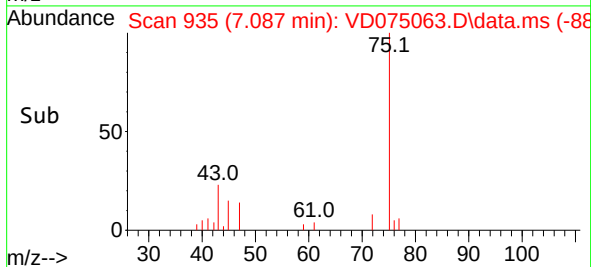
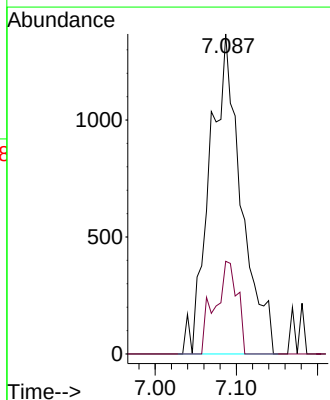
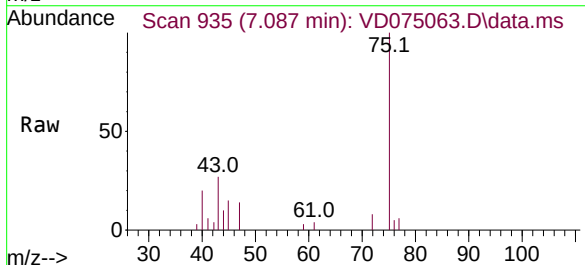
Instrument :
MSVOA_D
ClientSampleId :
TP-1

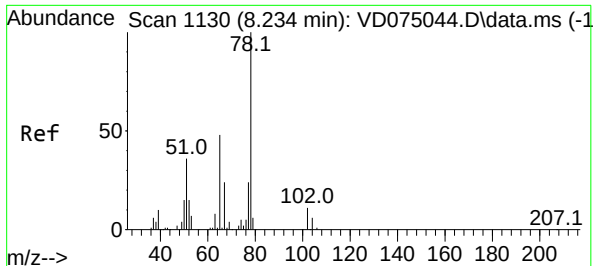
Tgt Ion:	84	Resp:	14415
Ion	Ratio	Lower	Upper
84	100		
49	125.2	77.2	115.8#
51	36.5	24.1	36.1#
86	61.6	51.7	77.5



#25
2-Butanone
Concen: 9.699 ug/l
RT: 7.087 min Scan# 935
Delta R.T. 0.006 min
Lab File: VD075063.D
Acq: 28 Dec 2022 13:59

Tgt Ion:	43	Resp:	3706
Ion	Ratio	Lower	Upper
43	100		
72	28.9	28.4	42.6





#33

1,2-Dichloroethane-d4

Concen: 62.552 ug/l

RT: 8.228 min Scan# 1129

Delta R.T. -0.000 min

Lab File: VD075063.D

Acq: 28 Dec 2022 13:59

Instrument :

MSVOA_D

ClientSampleId :

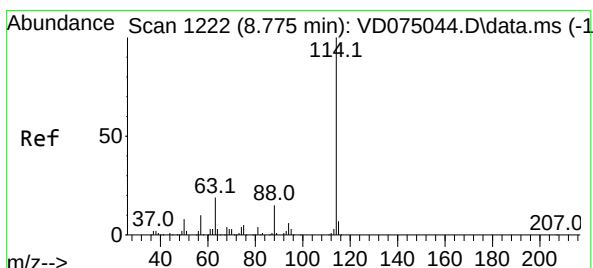
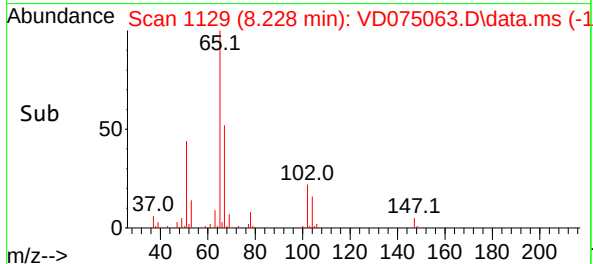
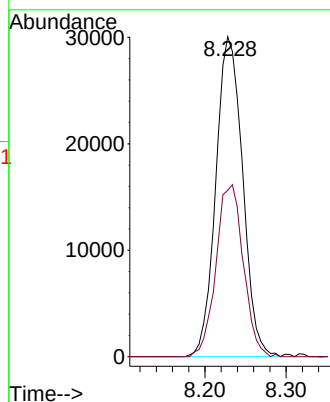
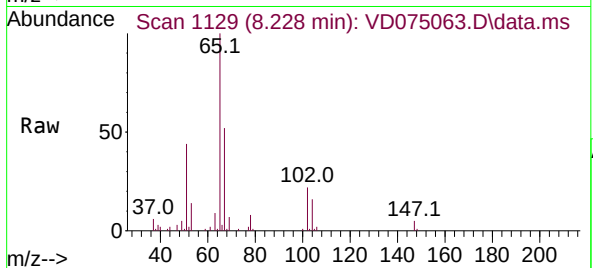
TP-1

Tgt Ion: 65 Resp: 68958

Ion Ratio Lower Upper

65 100

67 54.7 0.0 111.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. -0.000 min

Lab File: VD075063.D

Acq: 28 Dec 2022 13:59

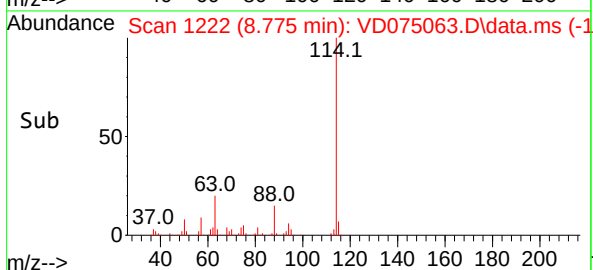
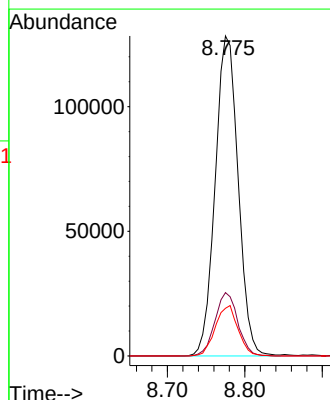
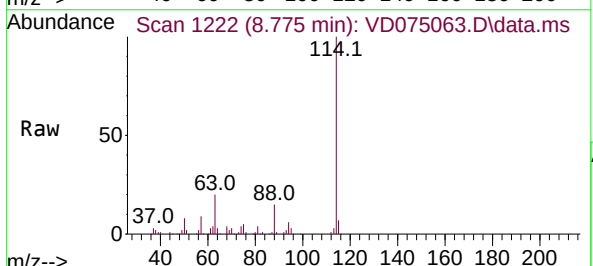
Tgt Ion: 114 Resp: 264268

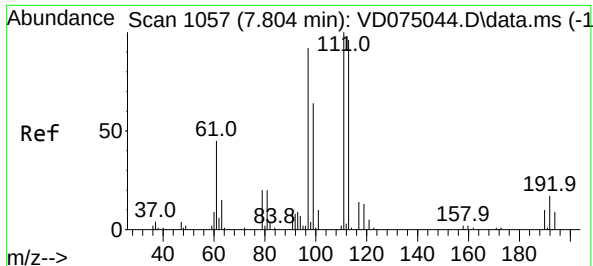
Ion Ratio Lower Upper

114 100

63 19.8 0.0 33.8

88 14.9 0.0 27.8





#35

Dibromofluoromethane

Concen: 52.697 ug/l

RT: 7.804 min Scan# 1067

Delta R.T. -0.001 min

Lab File: VD075063.D

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Instrument :

MSVOA_D

ClientSampleId :

TP-1

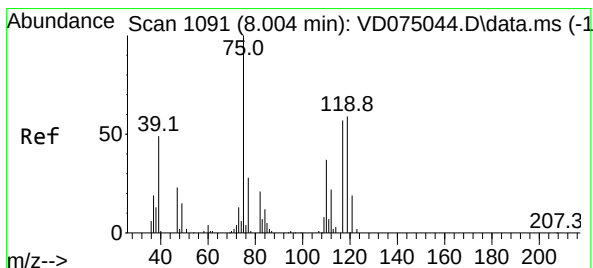
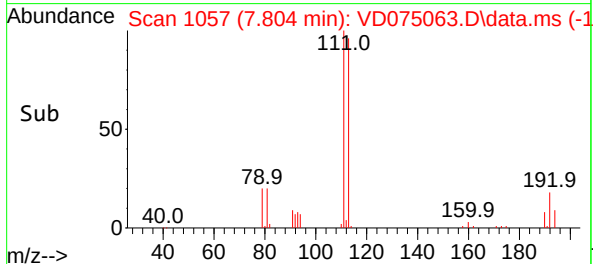
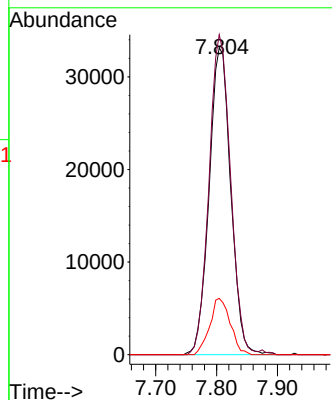
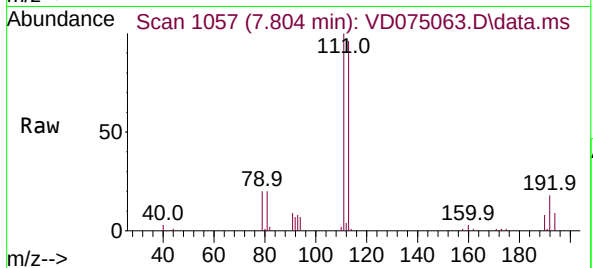
Tgt Ion:113 Resp: 81947

Ion Ratio Lower Upper

113 100

111 104.1 82.1 123.1

192 17.4 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.636 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VD075063.D

Acq: 28 Dec 2022 13:59

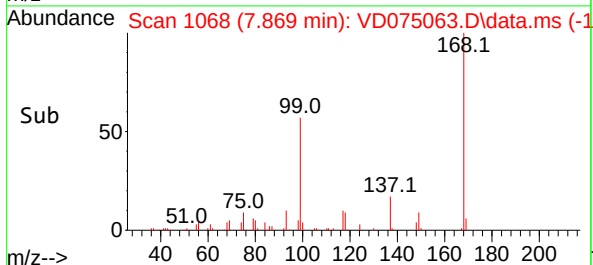
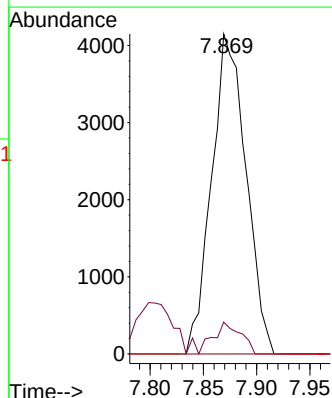
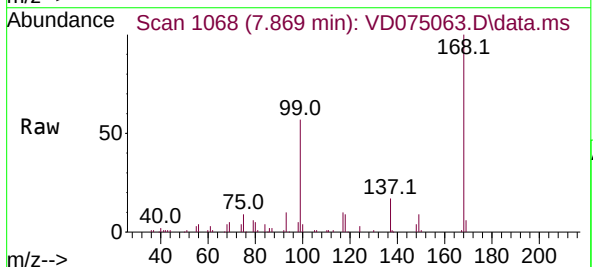
Tgt Ion: 75 Resp: 9312

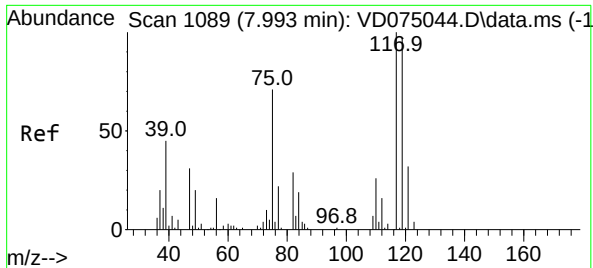
Ion Ratio Lower Upper

75 100

110 7.9 19.0 57.0#

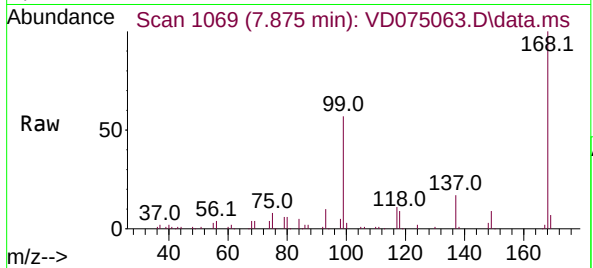
77 0.0 25.2 37.8#



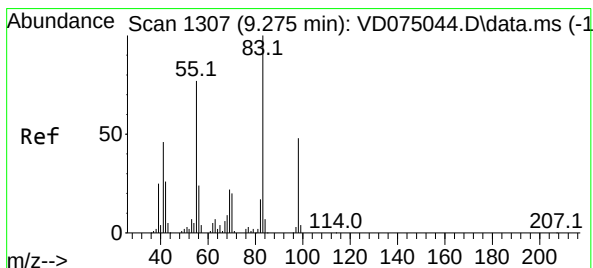
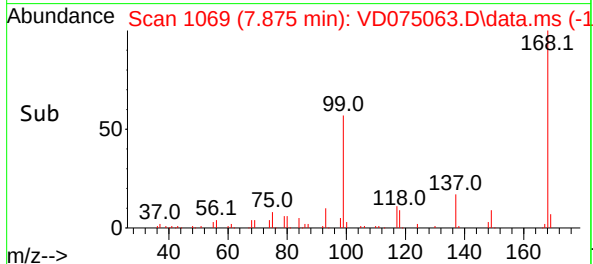
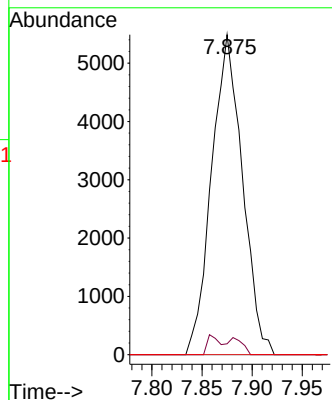


#38
Carbon Tetrachloride
Concen: 6.761 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.118 min
Lab File: VD075063.D
Acq: 28 Dec 2022 13:59

Instrument :
MSVOA_D
ClientSampleId :
TP-1

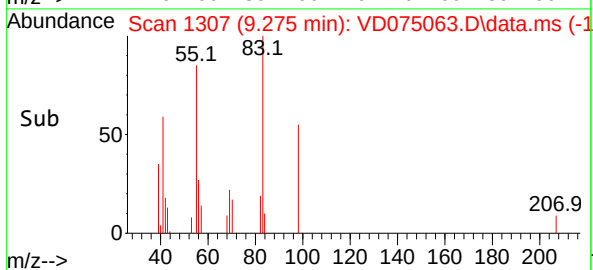
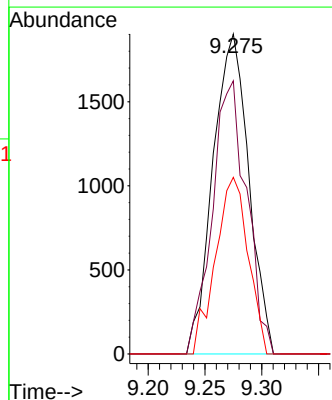
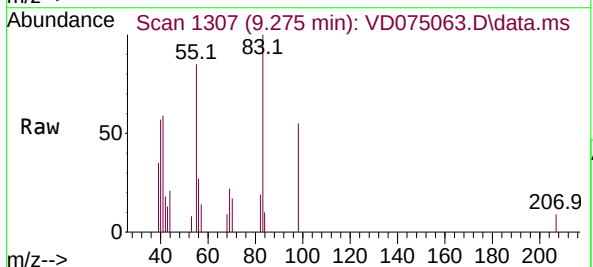


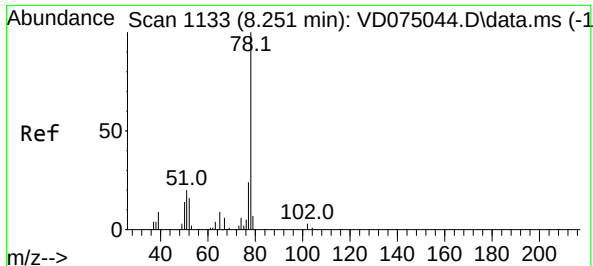
Tgt Ion:117 Resp: 11742
Ion Ratio Lower Upper
117 100
119 3.4 75.8 113.6#
121 0.0 25.4 38.0#



#39
Methylcyclohexane
Concen: 1.709 ug/l
RT: 9.275 min Scan# 1307
Delta R.T. 0.006 min
Lab File: VD075063.D
Acq: 28 Dec 2022 13:59

Tgt Ion: 83 Resp: 4170
Ion Ratio Lower Upper
83 100
55 85.3 53.1 79.7#
98 55.2 37.5 56.3





#40

Benzene

Concen: 2.639 ug/l

RT: 8.246 min Scan# 1133

Delta R.T. -0.006 min

Lab File: VD075063.D

Acq: 28 Dec 2022 13:59

Instrument :

MSVOA_D

ClientSampleId :

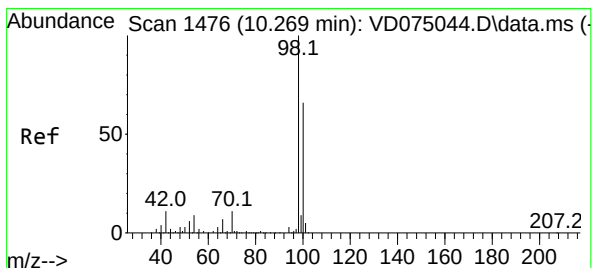
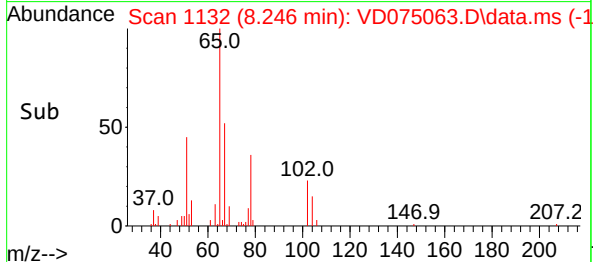
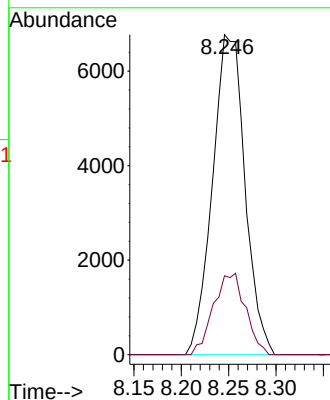
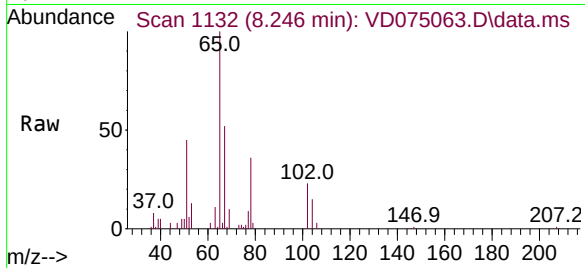
TP-1

Tgt Ion: 78 Resp: 16136

Ion Ratio Lower Upper

78 100

77 24.7 18.6 27.8



#50

Toluene-d8

Concen: 52.045 ug/l

RT: 10.269 min Scan# 1476

Delta R.T. -0.000 min

Lab File: VD075063.D

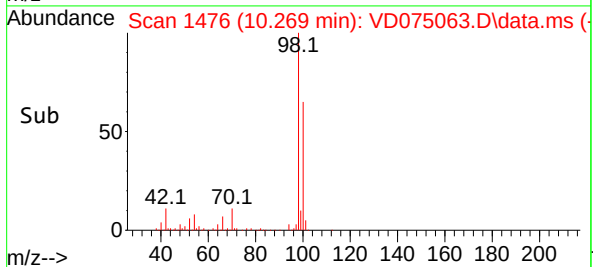
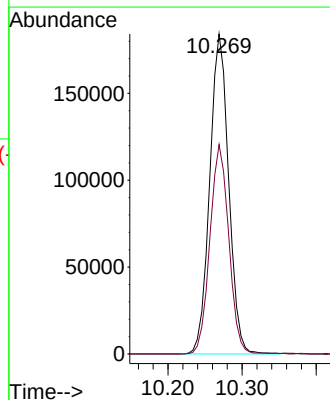
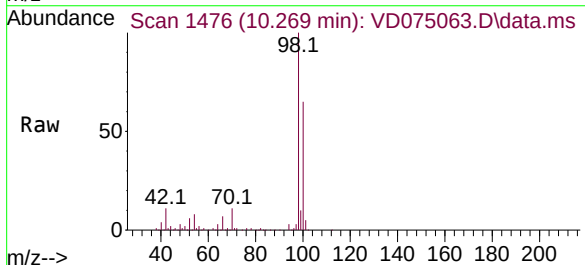
Acq: 28 Dec 2022 13:59

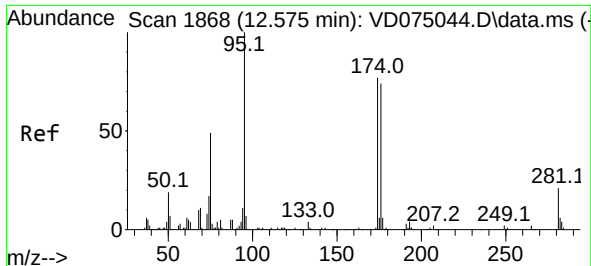
Tgt Ion: 98 Resp: 327012

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2

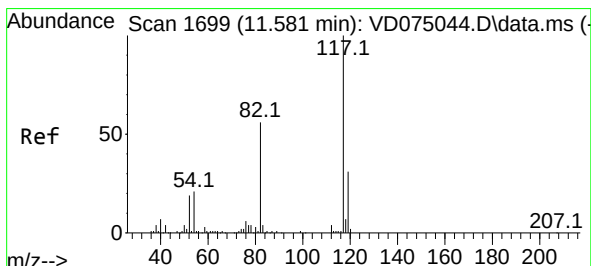
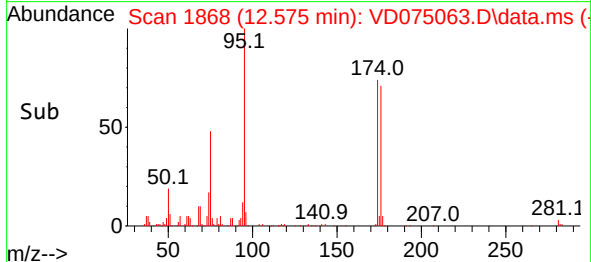
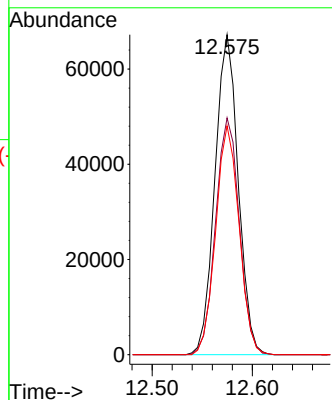
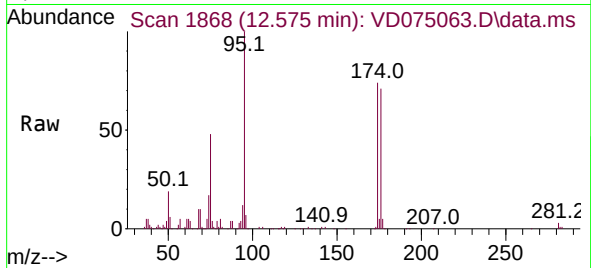




#62
4-Bromofluorobenzene
Concen: 53.240 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.000 min
Lab File: VD075063.D
Acq: 28 Dec 2022 13:59

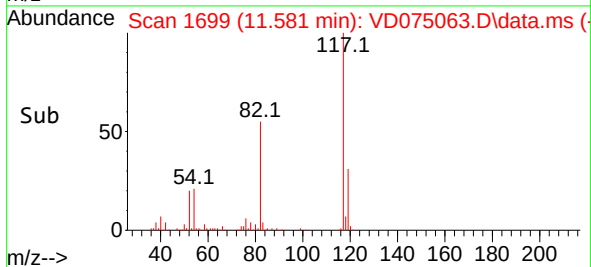
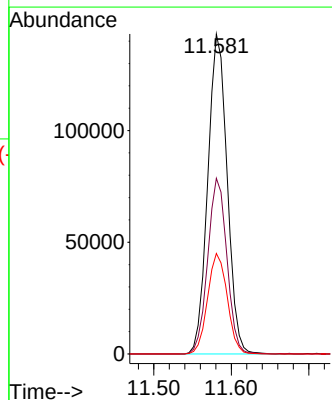
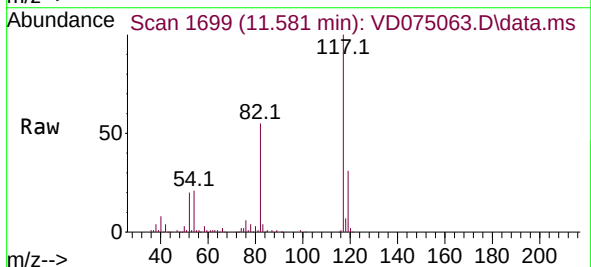
Instrument :
MSVOA_D
ClientSampleId :
TP-1

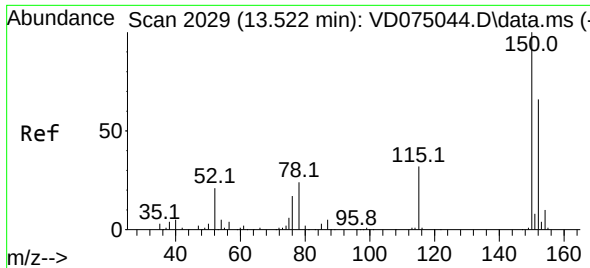
Tgt Ion: 95 Resp: 108371
Ion Ratio Lower Upper
95 100
174 75.2 0.0 171.2
176 71.9 0.0 165.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.581 min Scan# 1699
Delta R.T. -0.000 min
Lab File: VD075063.D
Acq: 28 Dec 2022 13:59

Tgt Ion: 117 Resp: 248255
Ion Ratio Lower Upper
117 100
82 54.9 40.9 61.3
119 31.4 25.5 38.3

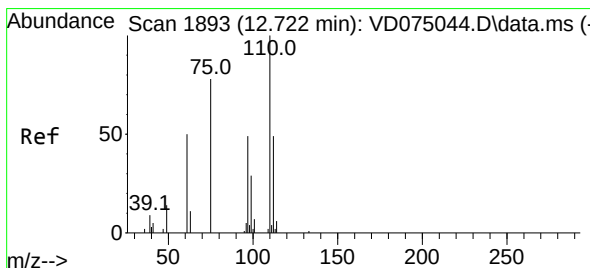
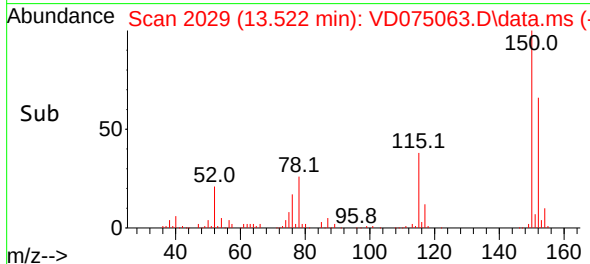
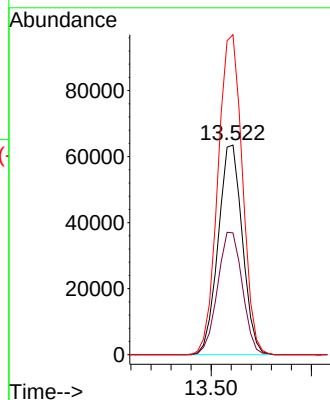
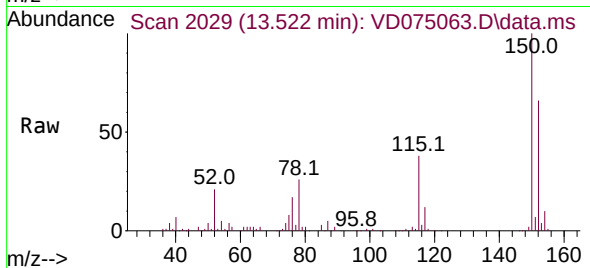




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.522 min Scan# 20
 Delta R.T. 0.006 min
 Lab File: VD075063.D
 Acq: 28 Dec 2022 13:59

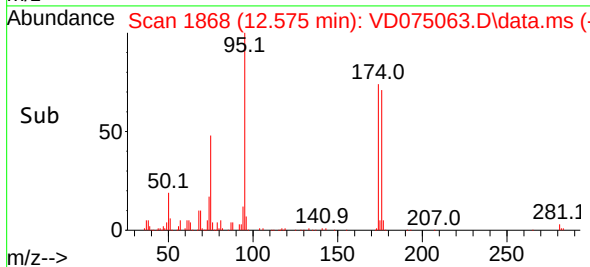
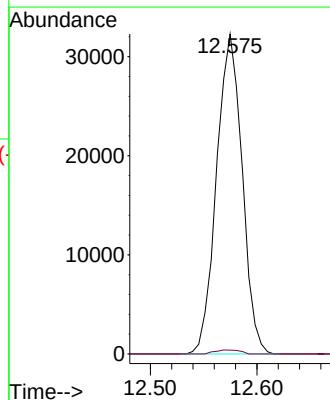
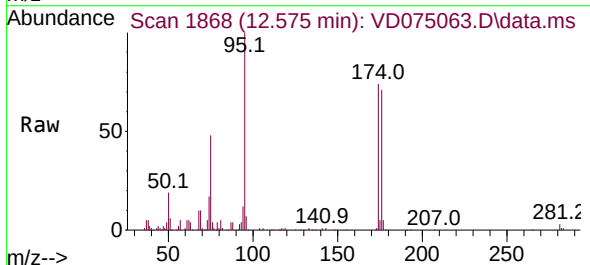
Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1

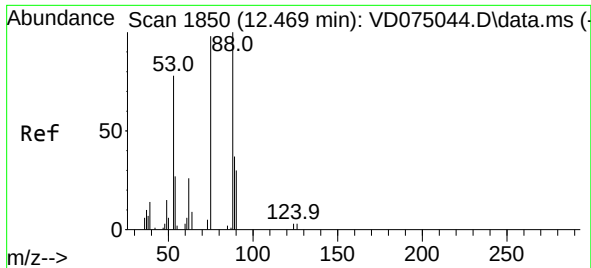
Tgt Ion:152 Resp: 106312
 Ion Ratio Lower Upper
 152 100
 115 59.8 28.8 86.5
 150 154.3 0.0 354.2



#76
 1,2,3-Trichloropropane
 Concen: 49.398 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. -0.147 min
 Lab File: VD075063.D
 Acq: 28 Dec 2022 13:59

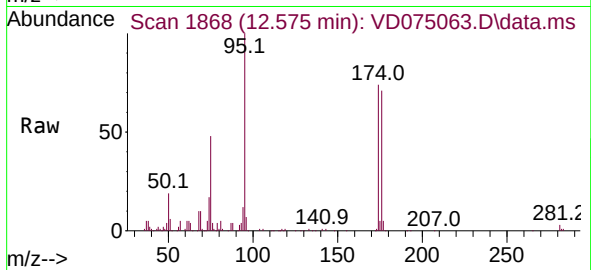
Tgt Ion: 75 Resp: 53847
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 114.487 ug/l
 RT: 12.575 min Scan# 1868
 Delta R.T. 0.106 min
 Lab File: VD075063.D
 Acq: 28 Dec 2022 13:59

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1



Tgt Ion:	75	Resp:	53847
Ion	Ratio	Lower	Upper
75	100		
53	0.1	60.0	90.0#
89	0.0	37.4	56.0#

