

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082422\
 Data File : VD074221.D
 Acq On : 24 Aug 2022 14:09
 Operator : VA/SY
 Sample : N4260-02
 Misc : 5.07G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SASP2-T-4-(5-10)RE

Quant Time: Aug 25 05:02:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 23 13:12:17 2022
 Response via : Initial Calibration

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

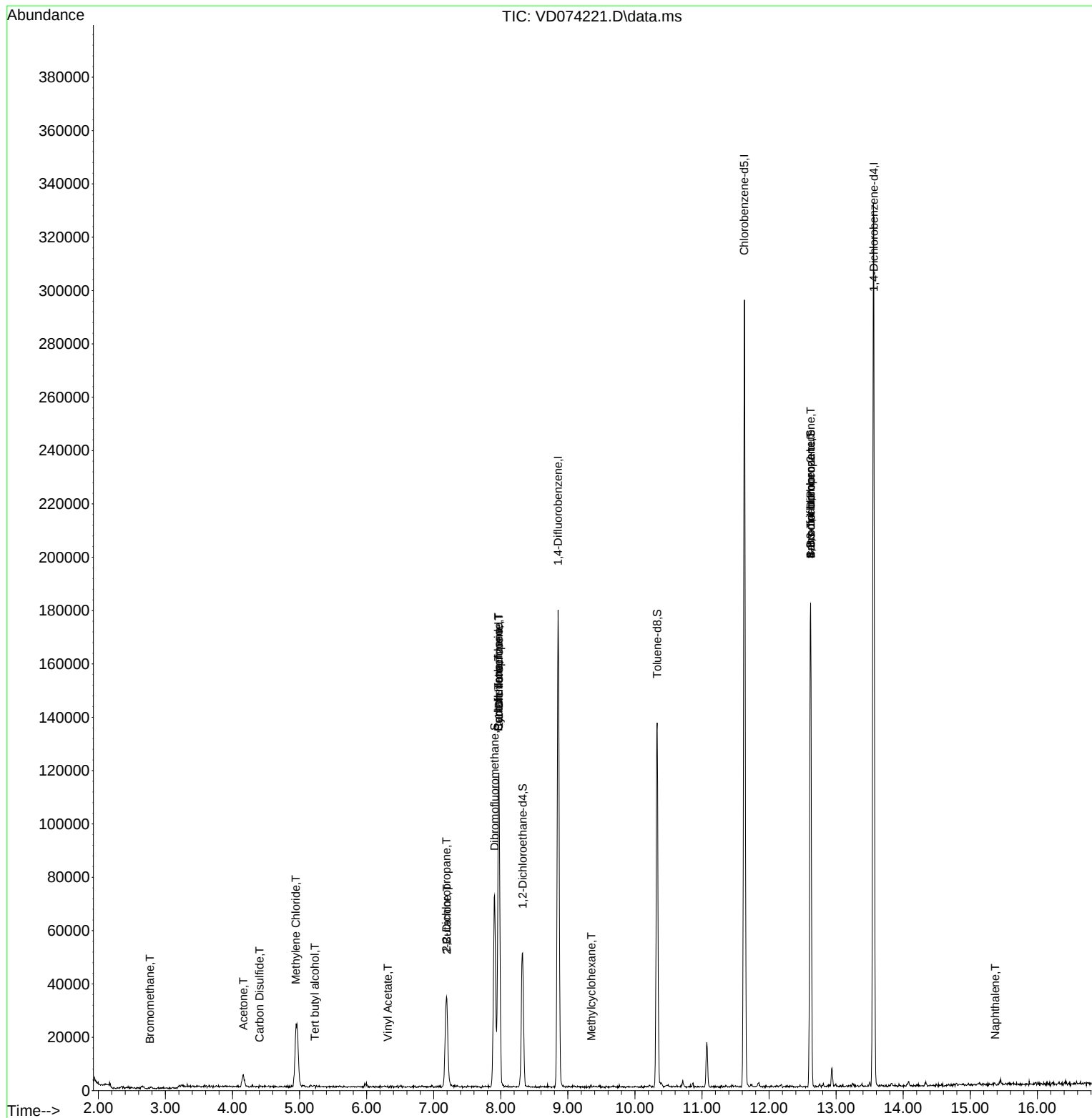
Internal Standards						
1) Pentafluorobenzene	7.967	168	84853	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	152377	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	169693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	91230	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	42380	48.877	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	97.760%		
35) Dibromofluoromethane	7.908	113	52561	51.569	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	103.140%		
50) Toluene-d8	10.332	98	95368	29.073	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	58.140%		
62) 4-Bromofluorobenzene	12.620	95	63063	48.664	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	97.320%		
Target Compounds						Qvalue
5) Bromomethane	2.767	94	375	1.090	ug/l #	1
11) Tert butyl alcohol	5.226	59	431	7.982	ug/l #	74
16) Acetone	4.162	43	7847	47.502	ug/l	97
17) Carbon Disulfide	4.403	76	75	2.039	ug/l #	74
20) Methylene Chloride	4.944	84	10252	4.458	ug/l #	76
23) Vinyl Acetate	6.314	43	57	10.109	ug/l #	75
25) 2-Butanone	7.197	43	2306	9.017	ug/l #	52
26) 2,2-Dichloropropane	7.191	77	2620	1.641	ug/l #	54
31) Cyclohexane	7.967	56	2139	1.386	ug/l #	14
36) 1,1-Dichloropropene	7.973	75	7321	4.752	ug/l #	49
38) Carbon Tetrachloride	7.967	117	9364	5.659	ug/l #	17
39) Methylcyclohexane	9.349	83	320	2.372	ug/l #	60
71) Bromoform	12.620	173	835	1.104	ug/l #	1
76) 1,2,3-Trichloropropane	12.620	75	31805	35.704	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	31805	91.818	ug/l #	7
95) Naphthalene	15.373	128	528	3.572	ug/l #	70

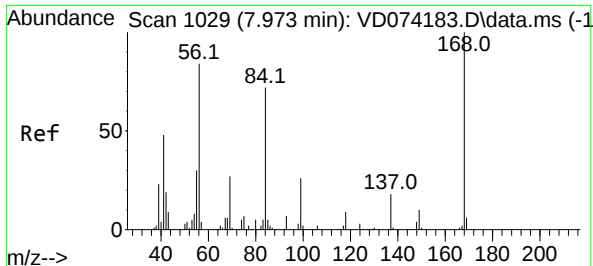
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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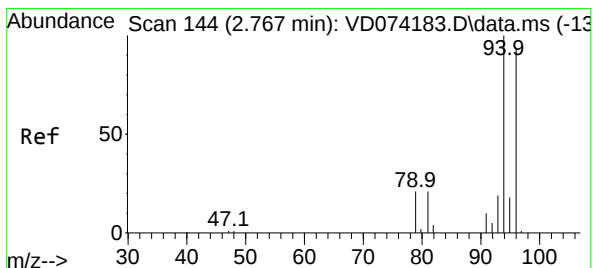
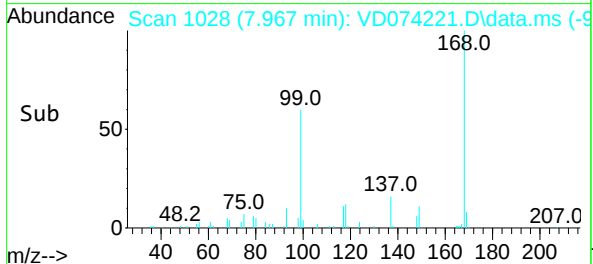
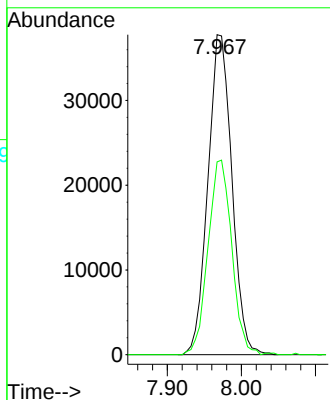
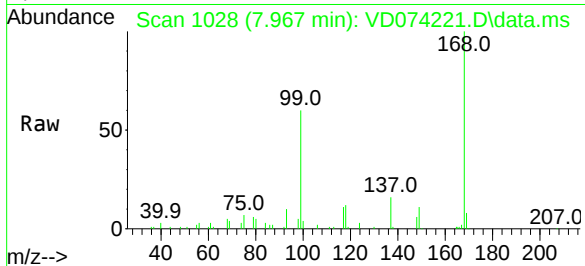




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD074221.D
Acq: 24 Aug 2022 14:09

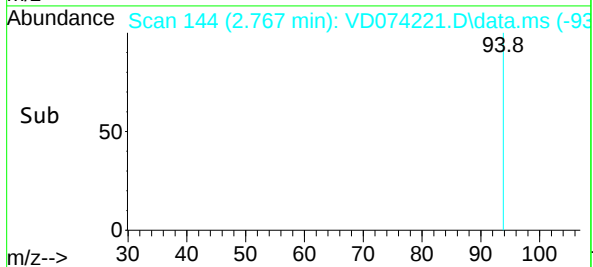
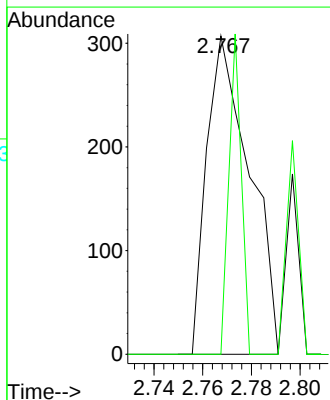
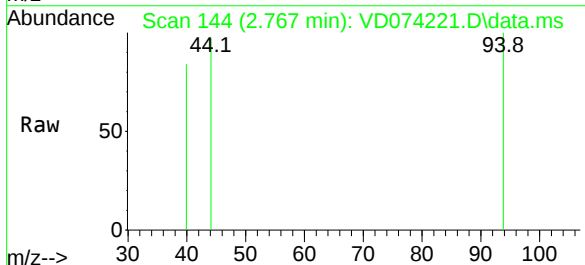
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(5-10)RE

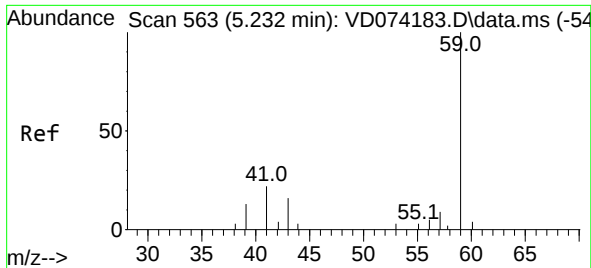
Tgt Ion:168 Resp: 84853
Ion Ratio Lower Upper
168 100
99 60.3 49.8 74.6



#5
Bromomethane
Concen: 1.090 ug/l
RT: 2.767 min Scan# 144
Delta R.T. 0.000 min
Lab File: VD074221.D
Acq: 24 Aug 2022 14:09

Tgt Ion: 94 Resp: 375
Ion Ratio Lower Upper
94 100
96 0.0 77.6 116.4#

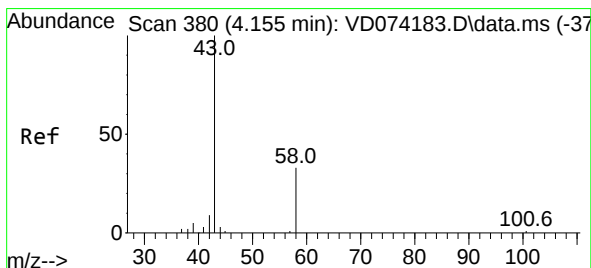
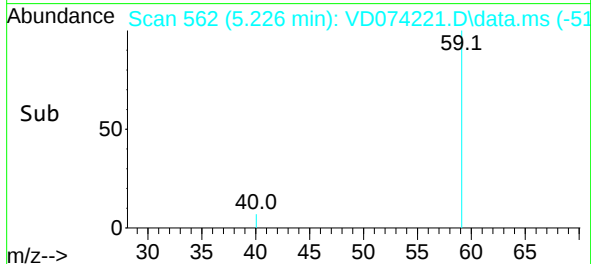
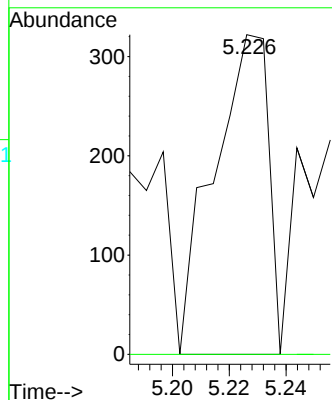
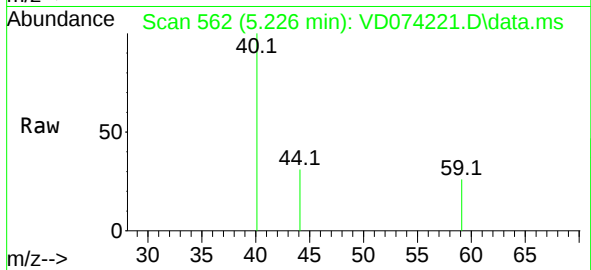




#11
Tert butyl alcohol
Concen: 7.982 ug/l
RT: 5.226 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD074221.D
Acq: 24 Aug 2022 14:09

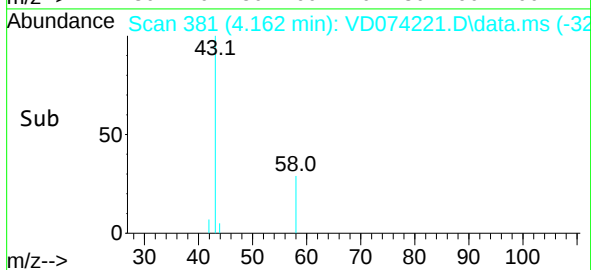
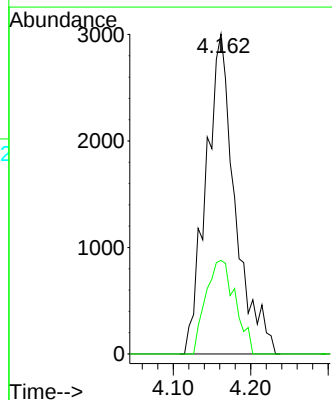
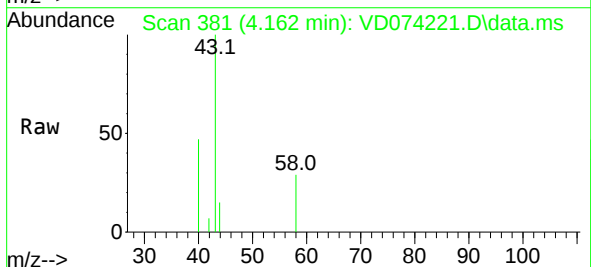
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(5-10)RE

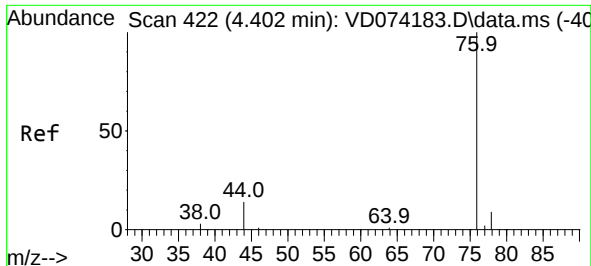
Tgt Ion: 59 Resp: 431
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 47.502 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD074221.D
Acq: 24 Aug 2022 14:09

Tgt Ion: 43 Resp: 7847
Ion Ratio Lower Upper
43 100
58 29.3 22.1 33.1





#17

Carbon Disulfide

Concen: 2.039 ug/l

RT: 4.403 min Scan# 41

Delta R.T. 0.001 min

Lab File: VD074221.D

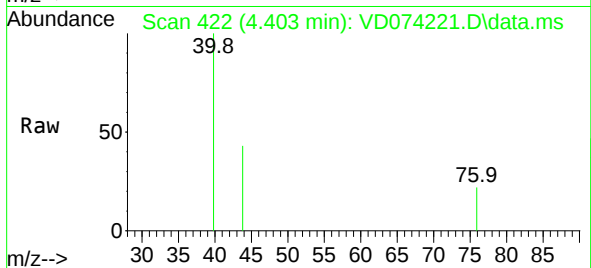
Acq: 24 Aug 2022 14:09

Instrument :

MSVOA_D

ClientSampleId :

SASP2-T-4-(5-10)RE

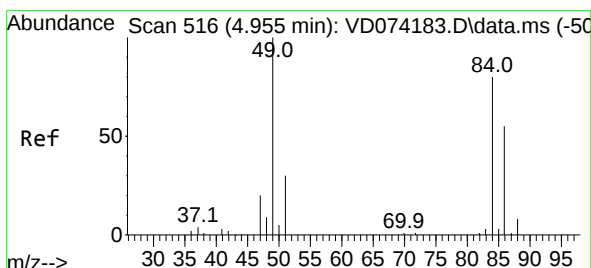
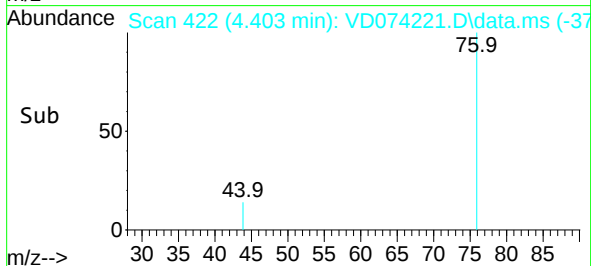
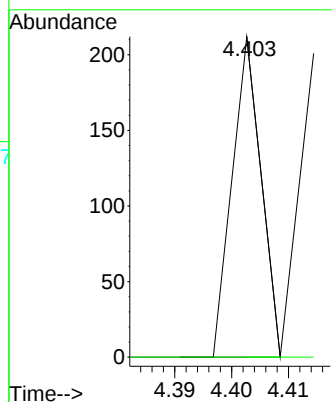


Tgt Ion: 76 Resp: 75

Ion Ratio Lower Upper

76 100

78 0.0 7.5 11.3#



#20

Methylene Chloride

Concen: 4.458 ug/l

RT: 4.944 min Scan# 514

Delta R.T. -0.011 min

Lab File: VD074221.D

Acq: 24 Aug 2022 14:09

Tgt Ion: 84 Resp: 10252

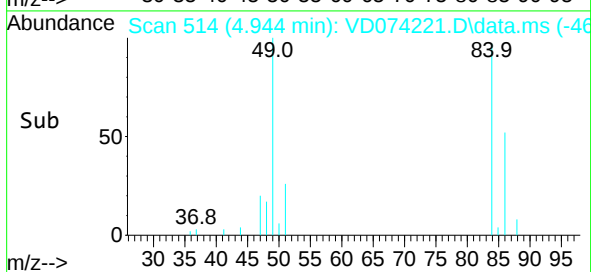
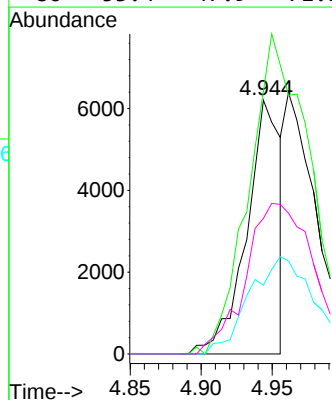
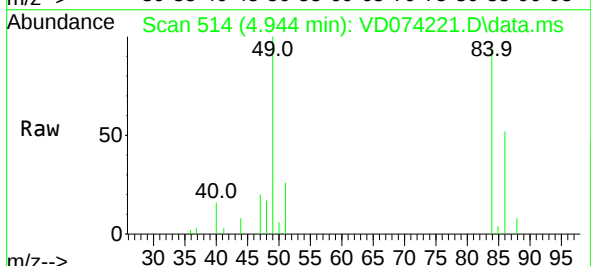
Ion Ratio Lower Upper

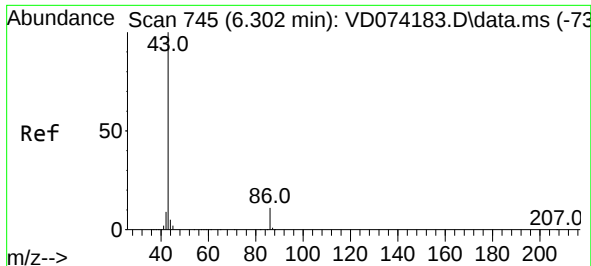
84 100

49 103.5 112.8 169.2#

51 27.2 32.6 48.8#

86 53.4 47.9 71.9

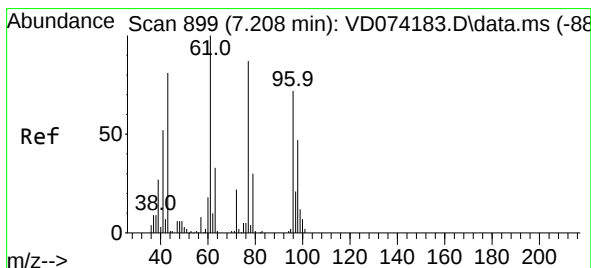
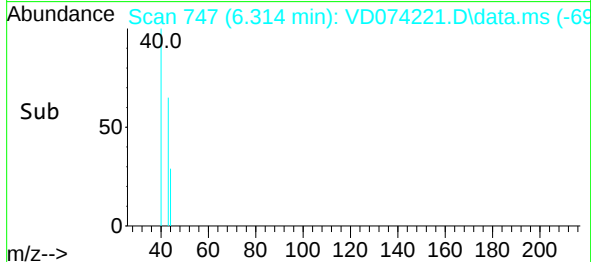
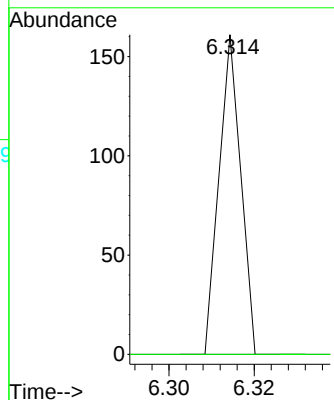
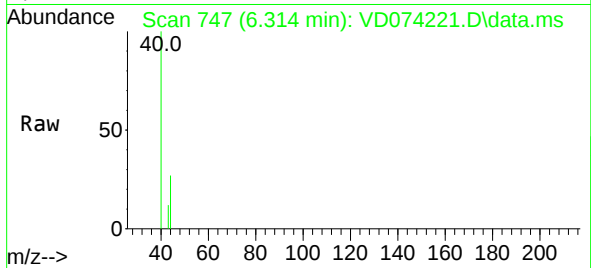




#23
 Vinyl Acetate
 Concen: 10.109 ug/l
 RT: 6.314 min Scan# 745
 Delta R.T. 0.012 min
 Lab File: VD074221.D
 Acq: 24 Aug 2022 14:09

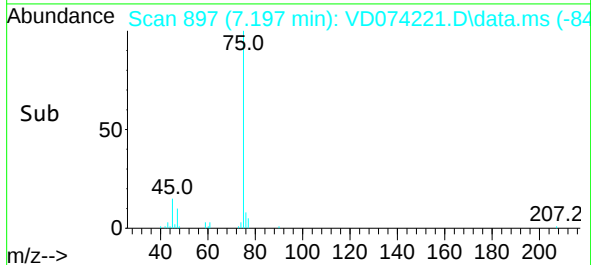
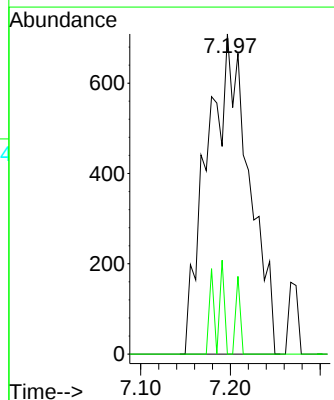
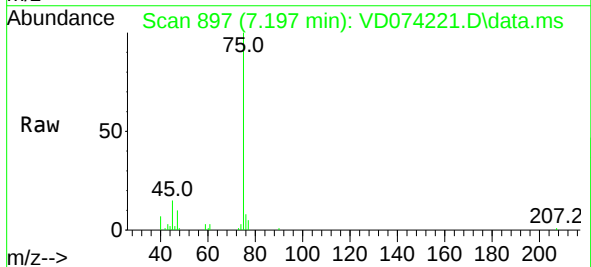
Instrument :
 MSVOA_D
 ClientSampleId :
 SASP2-T-4-(5-10)RE

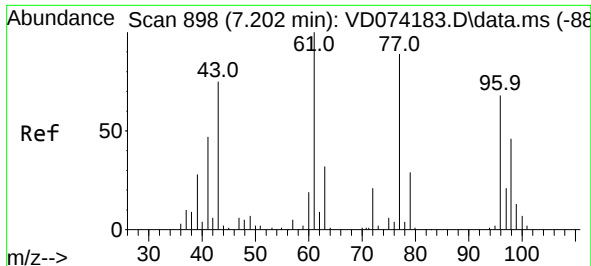
Tgt Ion: 43 Resp: 57
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 9.017 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.011 min
 Lab File: VD074221.D
 Acq: 24 Aug 2022 14:09

Tgt Ion: 43 Resp: 2306
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.6 27.8#





#26

2,2-Dichloropropane

Concen: 1.641 ug/l

RT: 7.191 min Scan# 89

Delta R.T. -0.011 min

Lab File: VD074221.D

Acq: 24 Aug 2022 14:09

Instrument :

MSVOA_D

ClientSampleId :

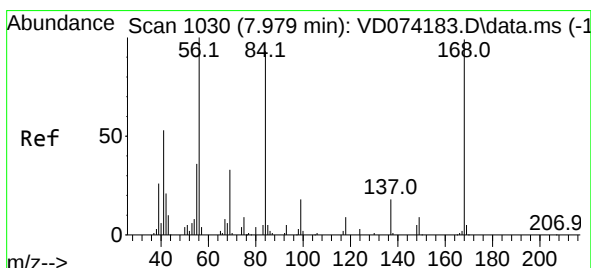
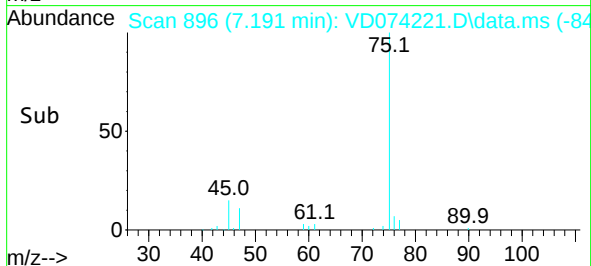
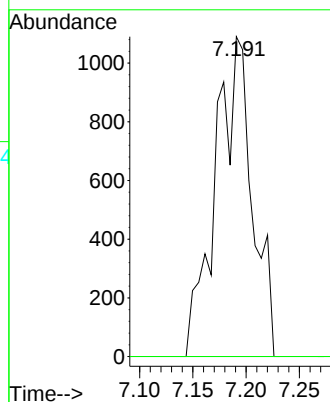
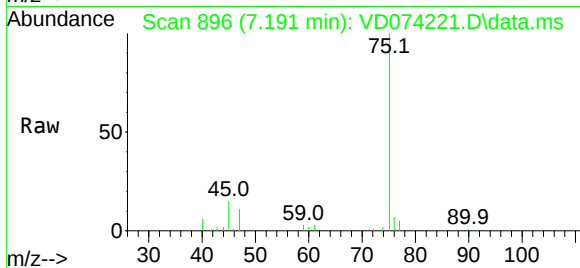
SASP2-T-4-(5-10)RE

Tgt Ion: 77 Resp: 2620

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.386 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD074221.D

Acq: 24 Aug 2022 14:09

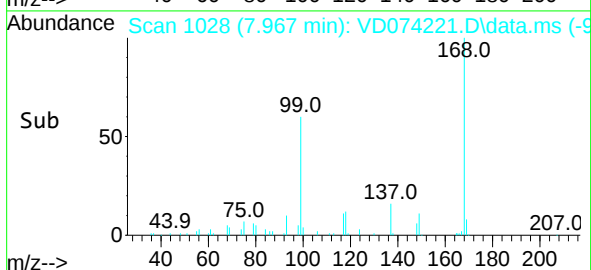
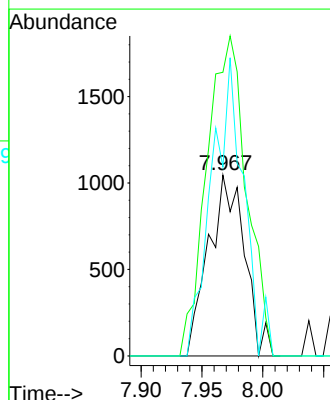
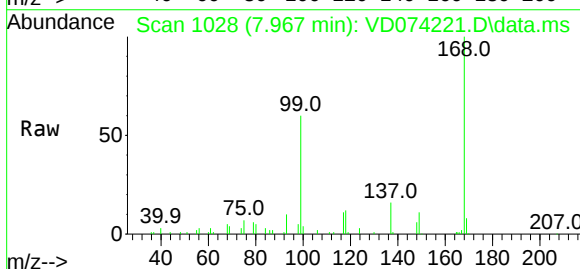
Tgt Ion: 56 Resp: 2139

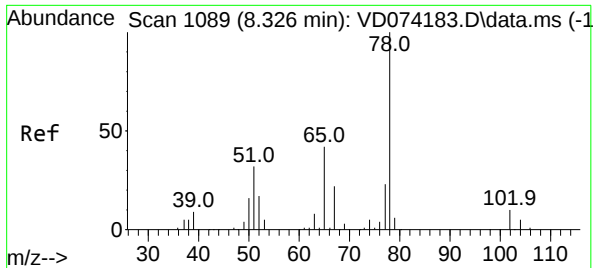
Ion Ratio Lower Upper

56 100

69 156.9 25.4 38.2#

84 104.5 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 48.877 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VD074221.D

Acq: 24 Aug 2022 14:09

Instrument :

MSVOA_D

ClientSampleId :

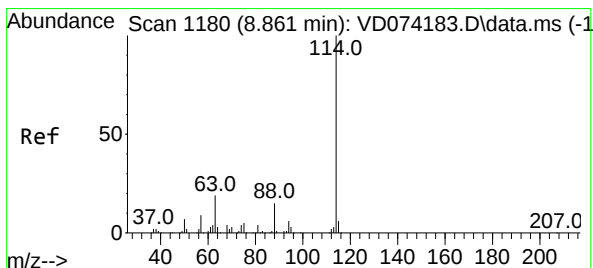
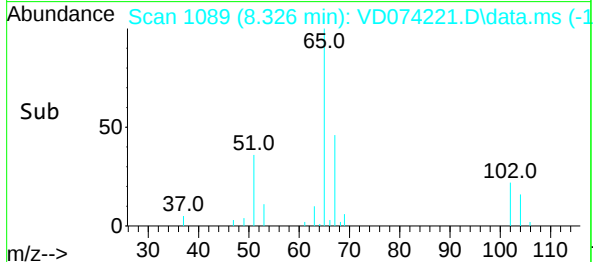
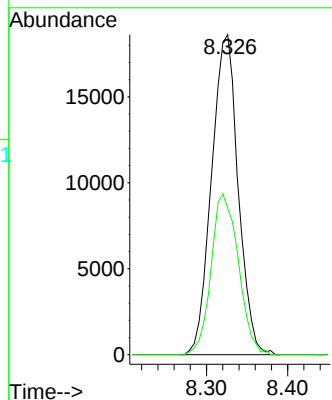
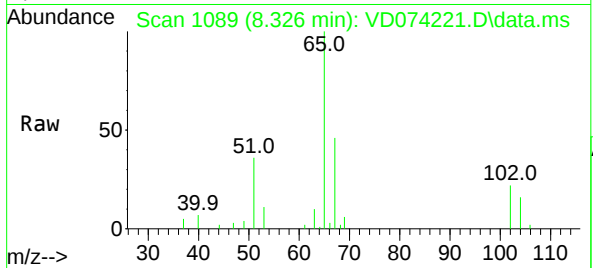
SASP2-T-4-(5-10)RE

Tgt Ion: 65 Resp: 42380

Ion Ratio Lower Upper

65 100

67 51.4 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD074221.D

Acq: 24 Aug 2022 14:09

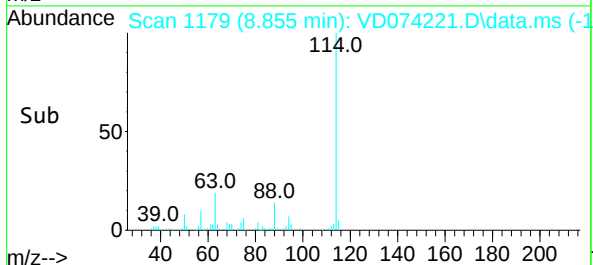
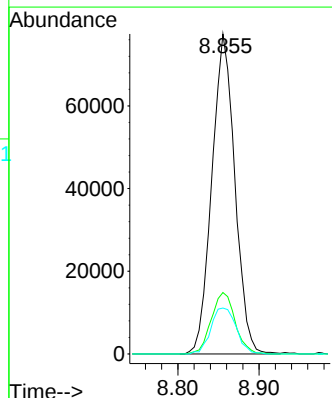
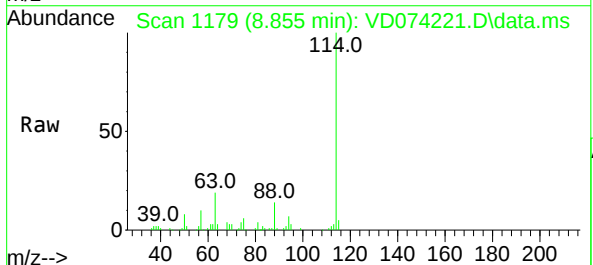
Tgt Ion: 114 Resp: 152377

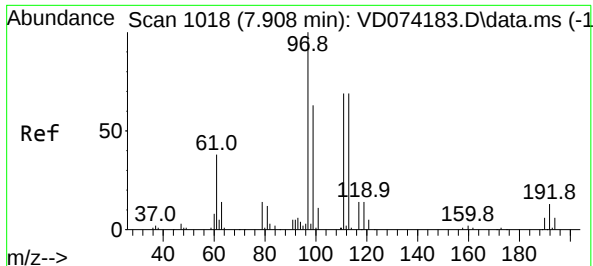
Ion Ratio Lower Upper

114 100

63 19.2 0.0 46.6

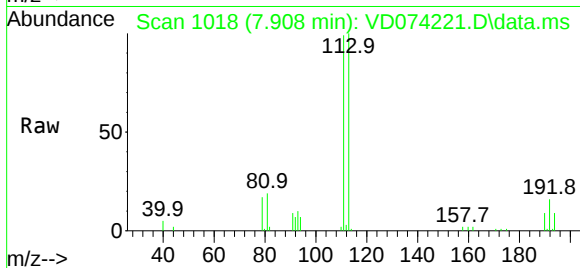
88 14.3 0.0 33.2



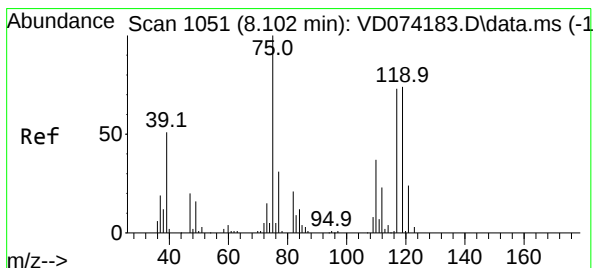
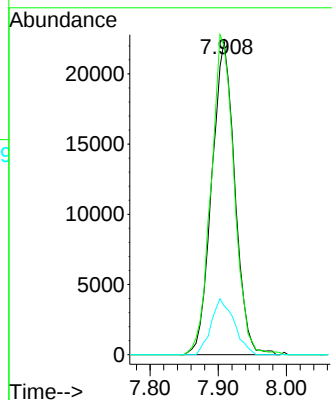
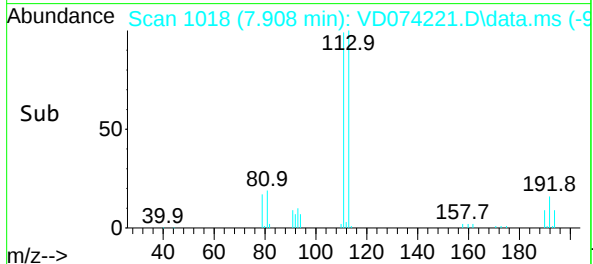


#35
Dibromofluoromethane
Concen: 51.569 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD074221.D
Acq: 24 Aug 2022 14:09

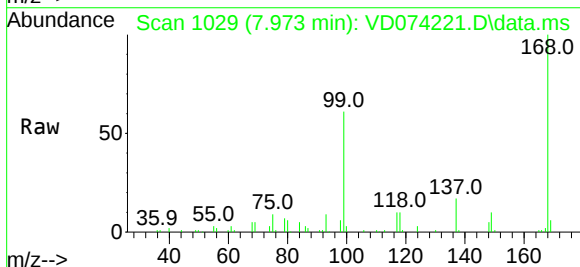
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(5-10)RE



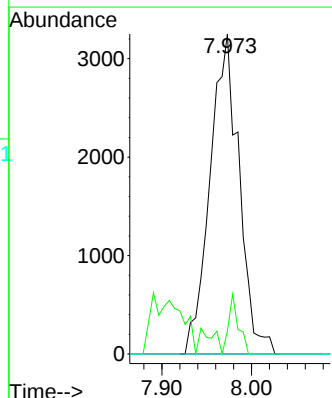
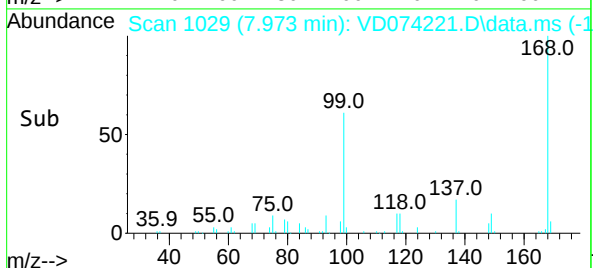
Tgt Ion:113 Resp: 52561
Ion Ratio Lower Upper
113 100
111 102.4 83.8 125.6
192 17.8 14.6 21.8

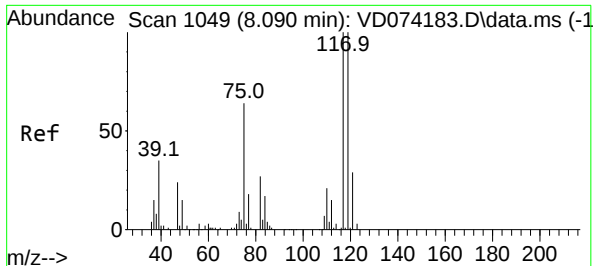


#36
1,1-Dichloropropene
Concen: 4.752 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.129 min
Lab File: VD074221.D
Acq: 24 Aug 2022 14:09



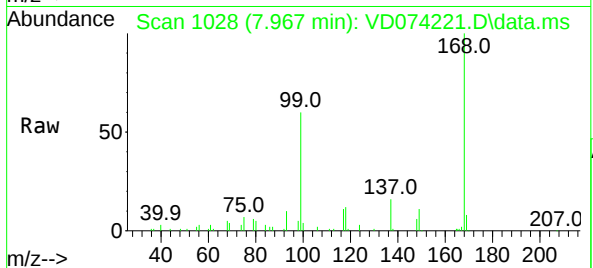
Tgt Ion: 75 Resp: 7321
Ion Ratio Lower Upper
75 100
110 6.3 16.4 49.1#
77 0.0 24.2 36.2#



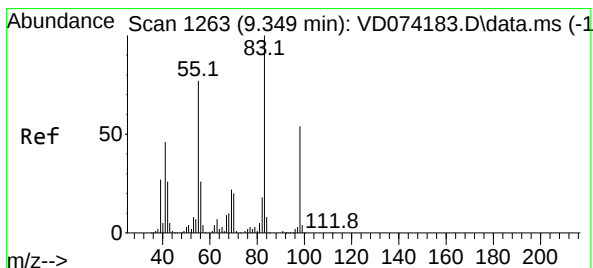
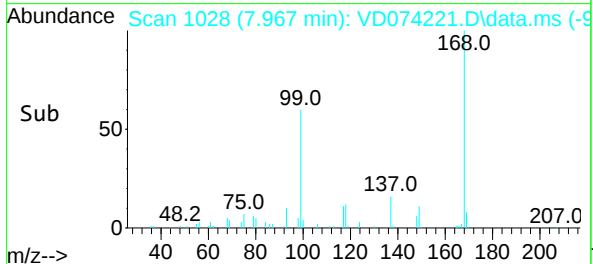
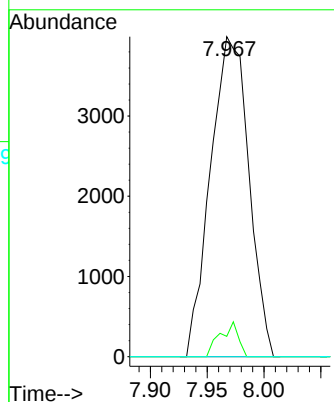


#38
Carbon Tetrachloride
Concen: 5.659 ug/l
RT: 7.967 min Scan# 1049
Delta R.T. -0.123 min
Lab File: VD074221.D
Acq: 24 Aug 2022 14:09

Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(5-10)RE

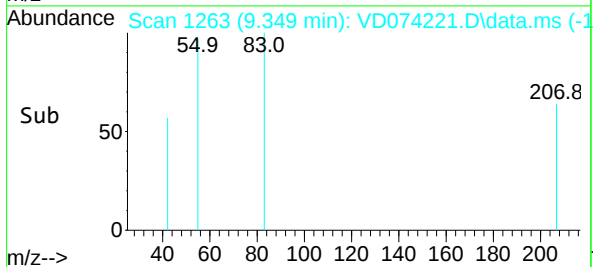
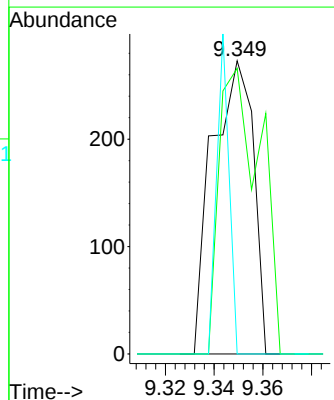
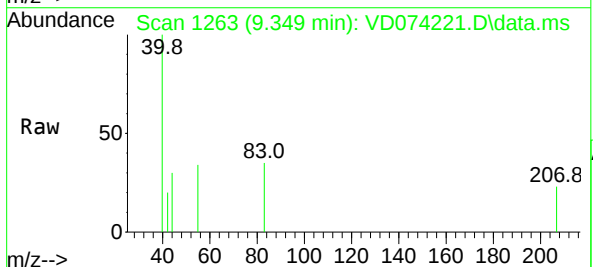


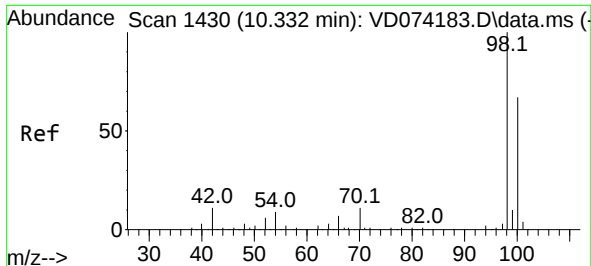
Tgt Ion:117 Resp: 9364
Ion Ratio Lower Upper
117 100
119 6.4 75.8 113.6#
121 0.0 24.5 36.7#



#39
Methylcyclohexane
Concen: 2.372 ug/l
RT: 9.349 min Scan# 1263
Delta R.T. 0.000 min
Lab File: VD074221.D
Acq: 24 Aug 2022 14:09

Tgt Ion: 83 Resp: 320
Ion Ratio Lower Upper
83 100
55 97.4 63.2 94.8#
98 0.0 38.2 57.4#

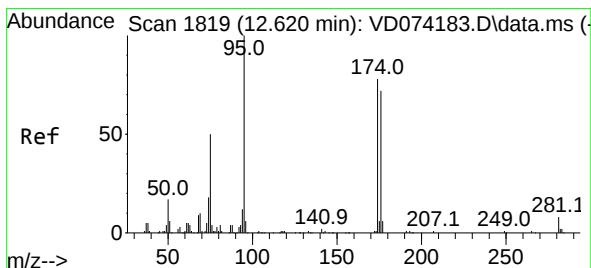
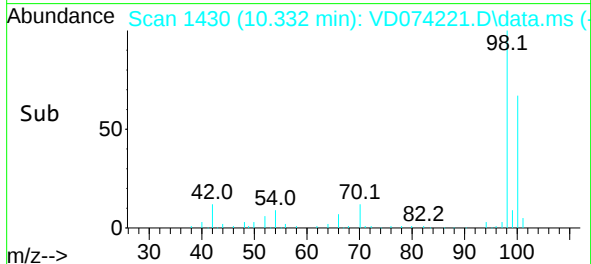
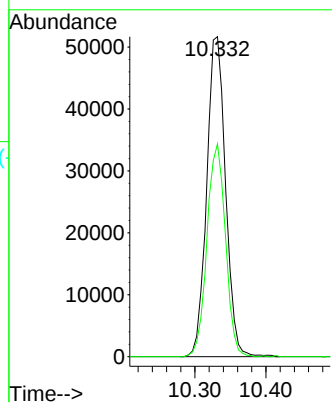
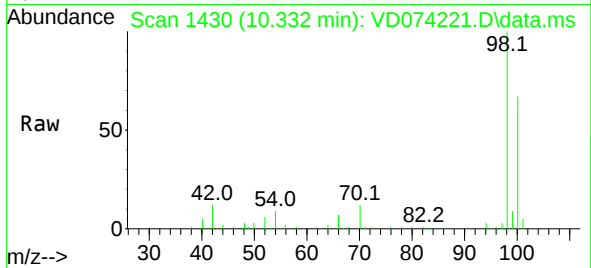




#50
Toluene-d8
Concen: 29.073 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074221.D
Acq: 24 Aug 2022 14:09

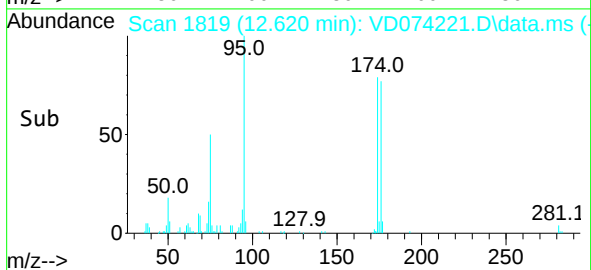
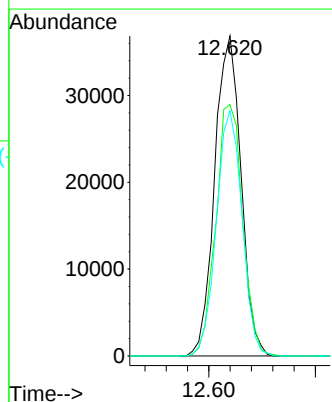
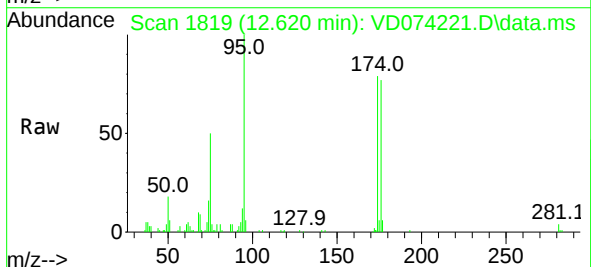
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(5-10)RE

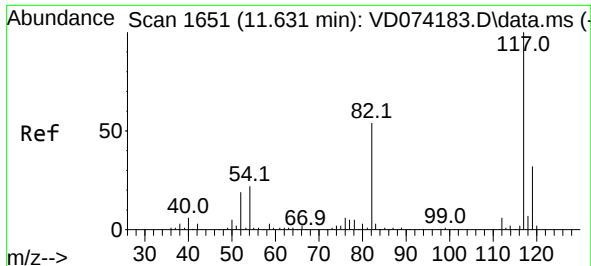
Tgt Ion: 98 Resp: 95368
Ion Ratio Lower Upper
98 100
100 65.2 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 48.664 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074221.D
Acq: 24 Aug 2022 14:09

Tgt Ion: 95 Resp: 63063
Ion Ratio Lower Upper
95 100
174 80.2 0.0 152.8
176 74.8 0.0 145.4

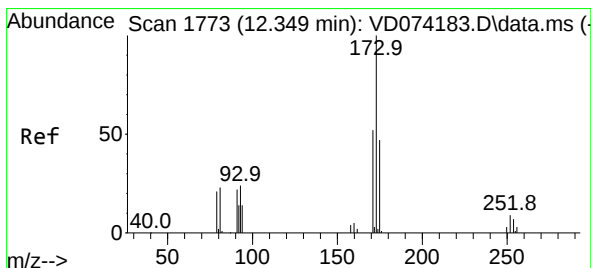
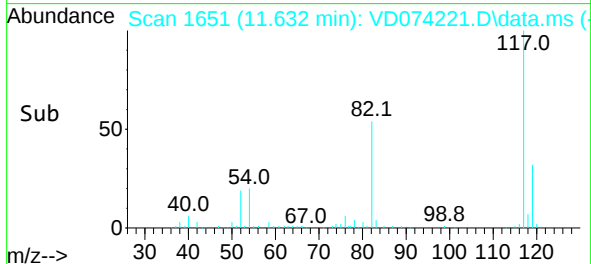
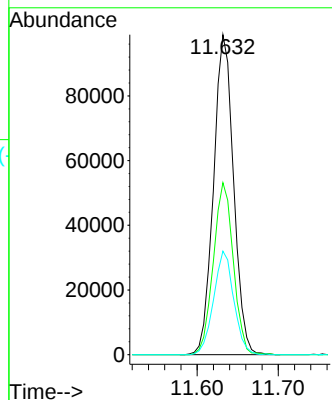
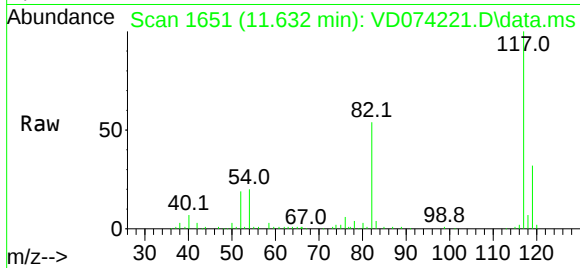




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1170
Delta R.T. 0.001 min
Lab File: VD074221.D
Acq: 24 Aug 2022 14:09

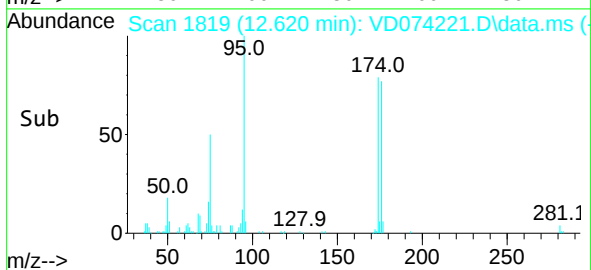
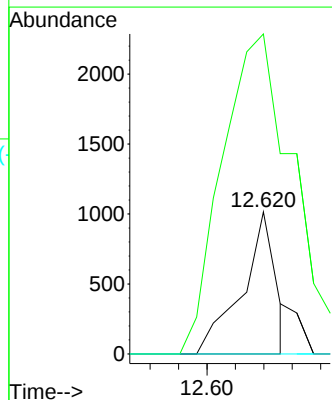
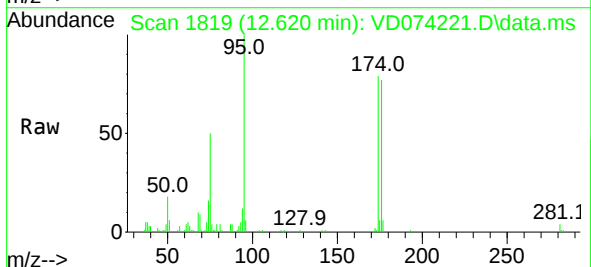
Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(5-10)RE

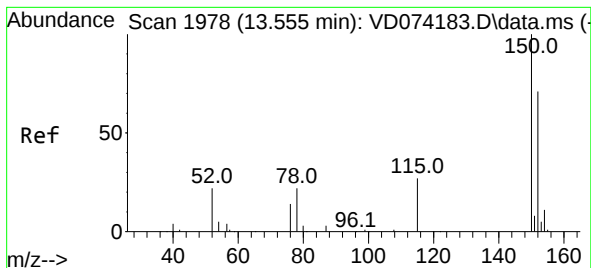
Tgt Ion:117 Resp: 169693
Ion Ratio Lower Upper
117 100
82 53.7 45.3 67.9
119 32.3 26.6 40.0



#71
Bromoform
Concen: 1.104 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD074221.D
Acq: 24 Aug 2022 14:09

Tgt Ion:173 Resp: 835
Ion Ratio Lower Upper
173 100
175 376.0 23.9 71.8#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1978

Delta R.T. 0.006 min

Lab File: VD074221.D

Acq: 24 Aug 2022 14:09

Instrument :

MSVOA_D

ClientSampleId :

SASP2-T-4-(5-10)RE

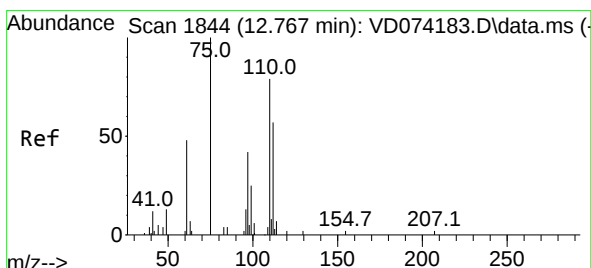
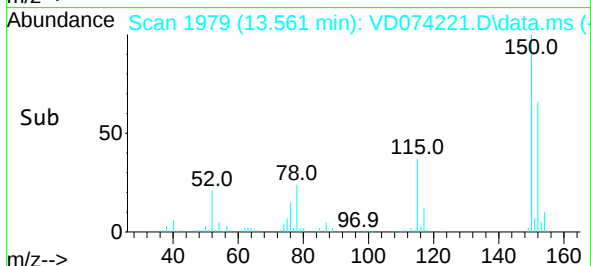
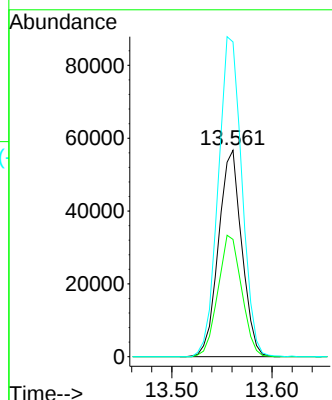
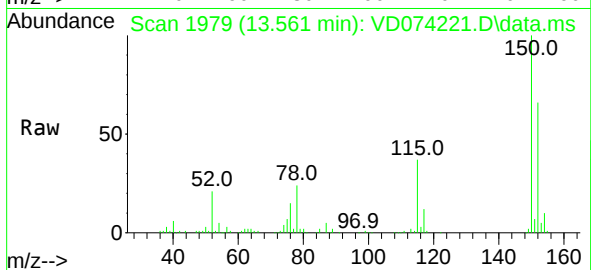
Tgt Ion:152 Resp: 91230

Ion Ratio Lower Upper

152 100

115 59.9 31.3 93.8

150 157.9 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 35.704 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD074221.D

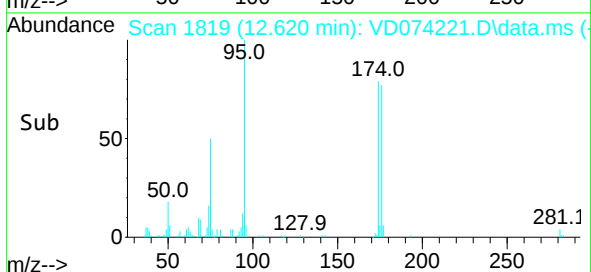
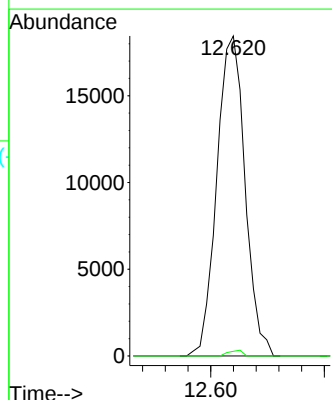
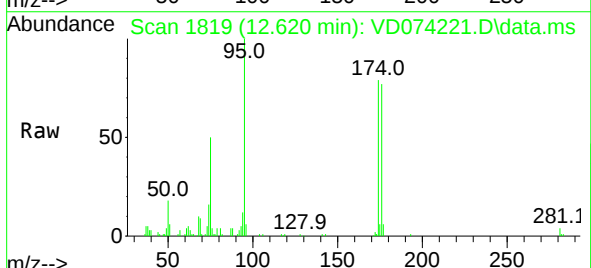
Acq: 24 Aug 2022 14:09

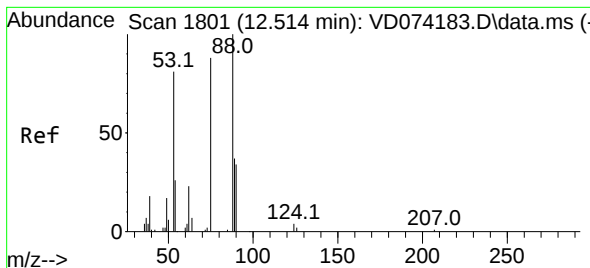
Tgt Ion: 75 Resp: 31805

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#

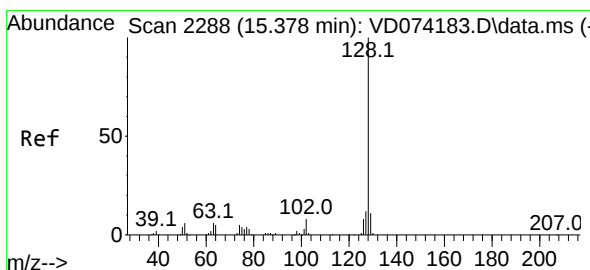
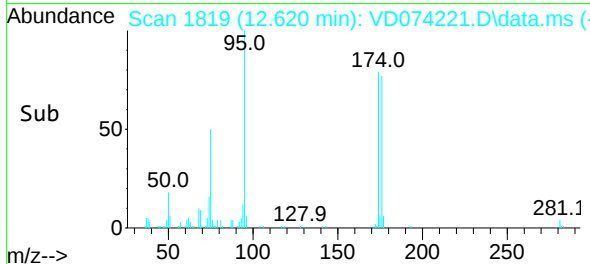
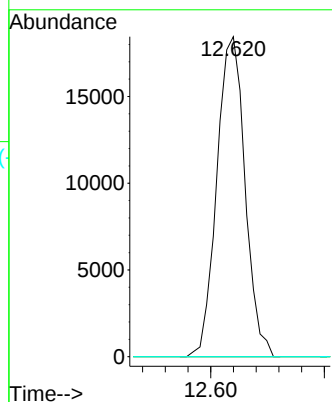
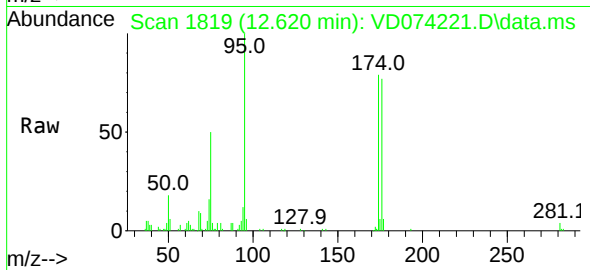




#81
trans-1,4-Dichloro-2-butene
Concen: 91.818 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD074221.D
Acq: 24 Aug 2022 14:09

Instrument :
MSVOA_D
ClientSampleId :
SASP2-T-4-(5-10)RE

Tgt Ion: 75 Resp: 31805
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 3.572 ug/l
RT: 15.373 min Scan# 2287
Delta R.T. -0.005 min
Lab File: VD074221.D
Acq: 24 Aug 2022 14:09

Tgt Ion: 128 Resp: 528
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

