

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD123021\
 Data File : VD071546.D
 Acq On : 30 Dec 2021 13:50
 Operator : VA/SY
 Sample : M5239-02
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SASP2-123-1-5-10

Quant Time: Dec 30 15:33:07 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D122221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 23 08:20:24 2021
 Response via : Initial Calibration

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

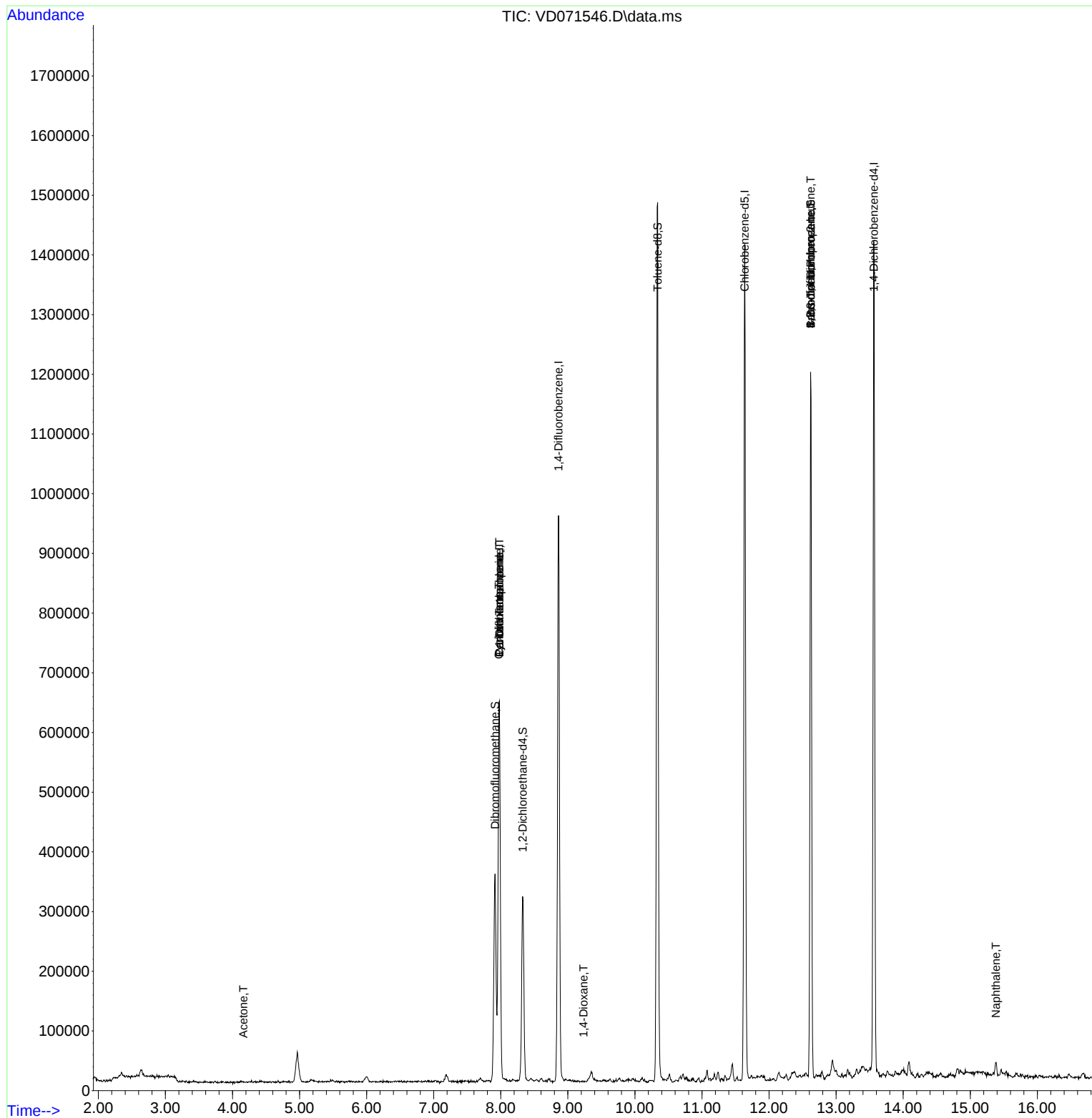
Internal Standards						
1) Pentafluorobenzene	7.979	168	450085	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	761103	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	739225	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	342354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	248986	41.654	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	83.300%
35) Dibromofluoromethane	7.914	113	238675	46.660	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.320%
50) Toluene-d8	10.338	98	956999	49.507	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	99.020%
62) 4-Bromofluorobenzene	12.620	95	347851	50.640	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	101.280%
Target Compounds						
11) Tert butyl alcohol	5.191	59	3827	Below Cal	#	71
16) Acetone	4.162	43	2407	1.603	ug/l	89
20) Methylene Chloride	4.967	84	32921	Below Cal	#	93
31) Cyclohexane	7.973	56	13974	1.376	ug/l	# 30
36) 1,1-Dichloropropene	7.979	75	41385	5.064	ug/l	# 51
38) Carbon Tetrachloride	7.979	117	47781	5.926	ug/l	# 16
49) 1,4-Dioxane	9.232	88	70	1.967	ug/l	# 1
71) Bromoform	12.620	173	3201	1.068	ug/l	# 1
76) 1,2,3-Trichloropropane	12.620	75	201663	49.576	ug/l	# 1
81) trans-1,4-Dichloro-2-b...	12.620	75	201663	140.078	ug/l	# 18
95) Naphthalene	15.385	128	20065	1.723	ug/l	98

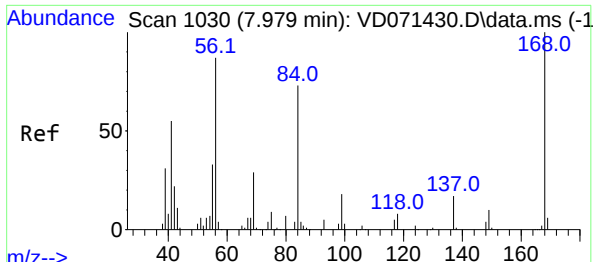
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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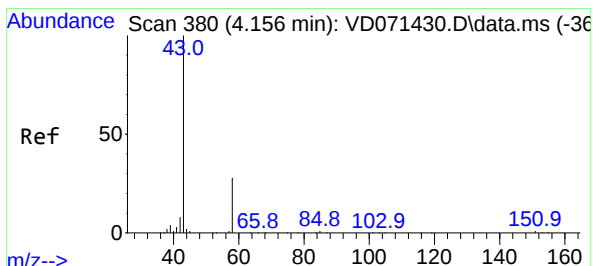
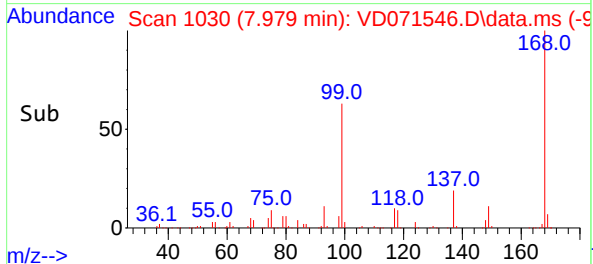
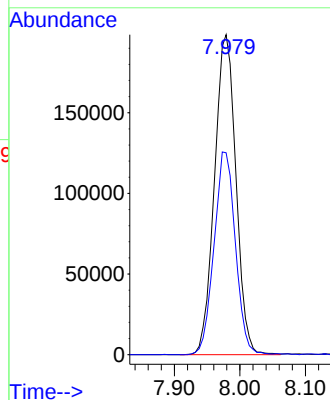
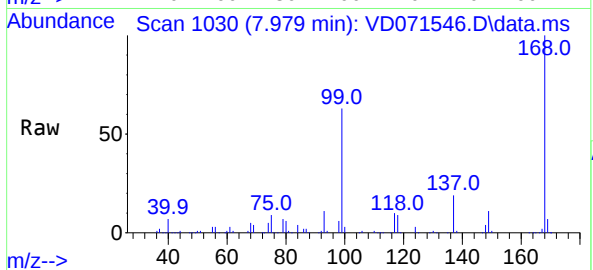




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

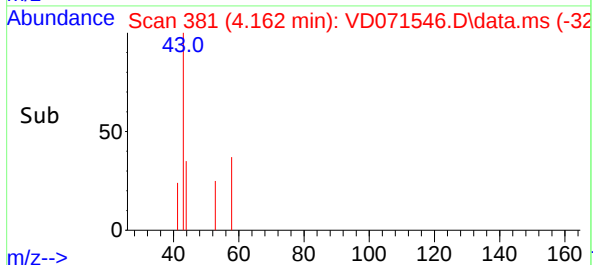
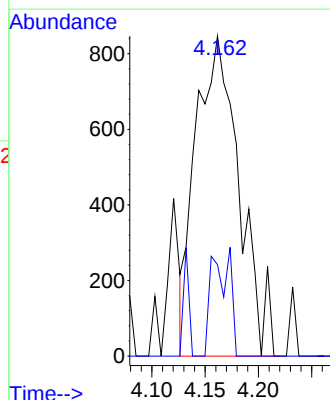
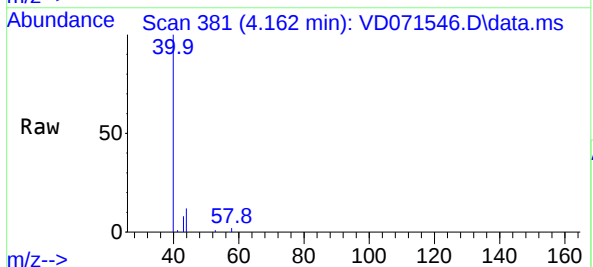
Instrument :
MSVOA_D
ClientSampleId :
SASP2-123-1-5-10

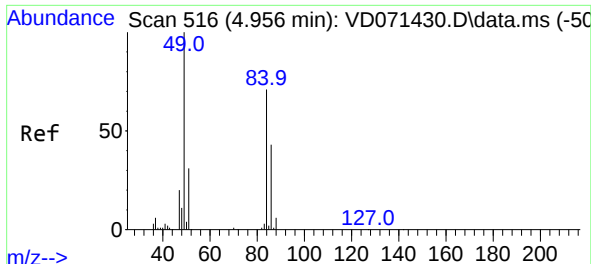
Tgt Ion:168 Resp: 450085
Ion Ratio Lower Upper
168 100
99 63.1 46.6 69.8



#16
Acetone
Concen: 1.603 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

Tgt Ion: 43 Resp: 2407
Ion Ratio Lower Upper
43 100
58 28.6 27.8 41.8



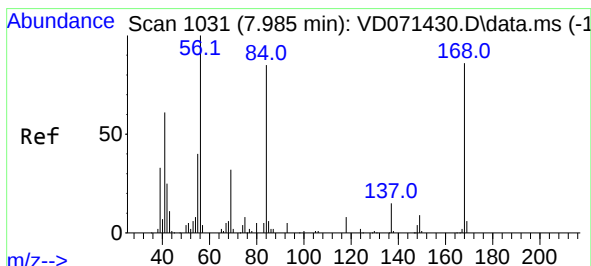
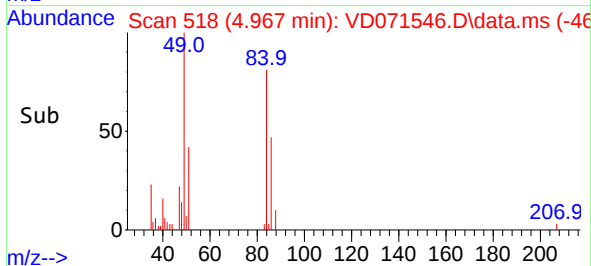
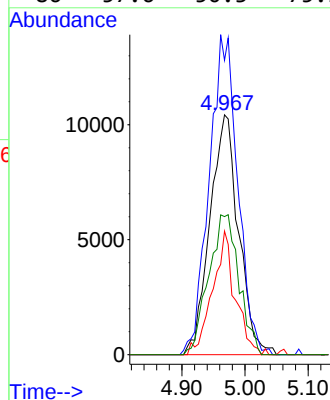
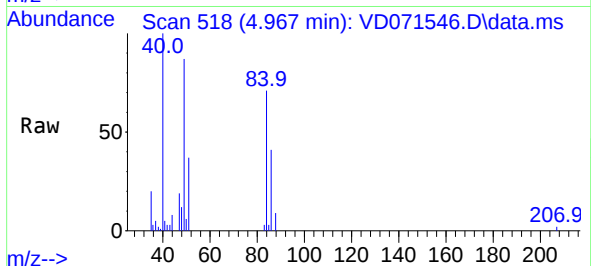


#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

Instrument :
MSVOA_D
ClientSampleId :
SASP2-123-1-5-10

Tgt Ion: 84 Resp: 32921

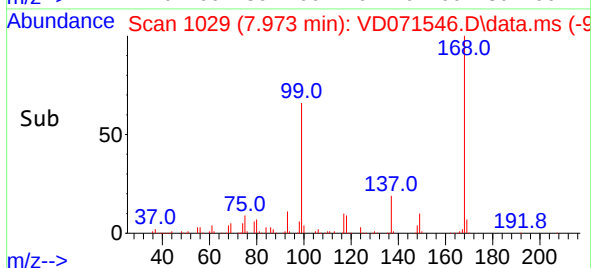
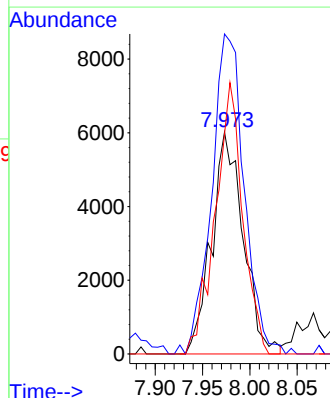
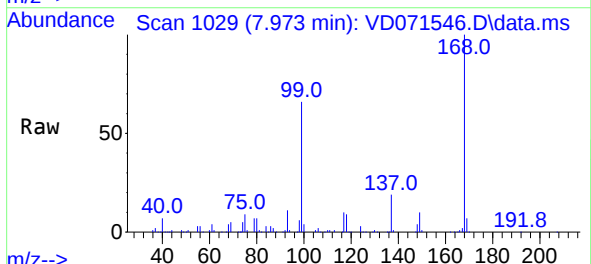
Ion	Ratio	Lower	Upper
84	100		
49	122.8	95.8	143.6
51	51.5	30.9	46.3
86	57.6	50.3	75.5

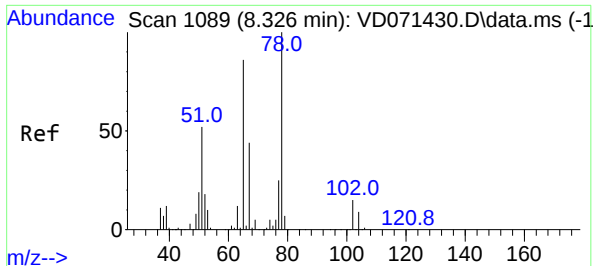


#31
Cyclohexane
Concen: 1.376 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

Tgt Ion: 56 Resp: 13974

Ion	Ratio	Lower	Upper
56	100		
69	140.2	25.9	38.9
84	99.0	64.3	96.5





#33

1,2-Dichloroethane-d4

Concen: 41.654 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071546.D

Acq: 30 Dec 2021 13:50

Instrument :

MSVOA_D

ClientSampleId :

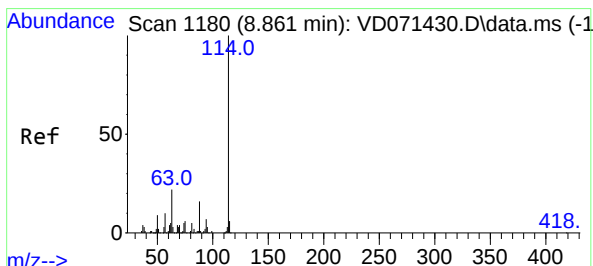
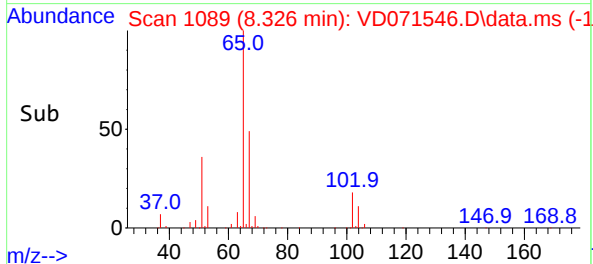
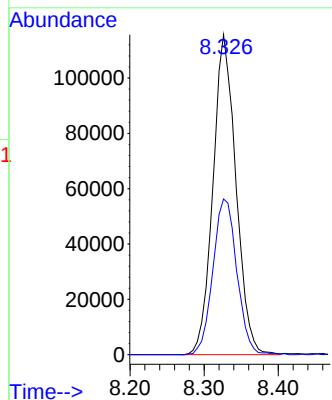
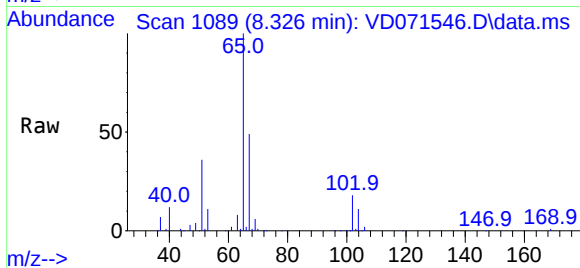
SASP2-123-1-5-10

Tgt Ion: 65 Resp: 248986

Ion Ratio Lower Upper

65 100

67 50.7 0.0 112.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071546.D

Acq: 30 Dec 2021 13:50

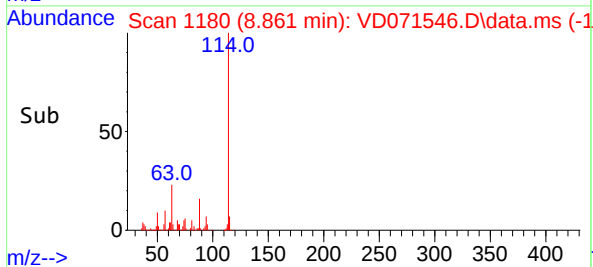
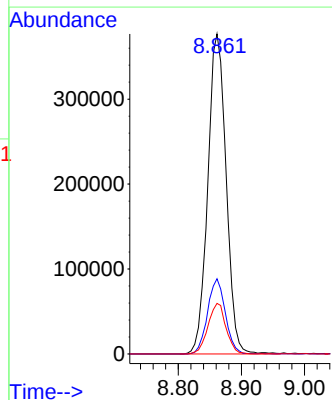
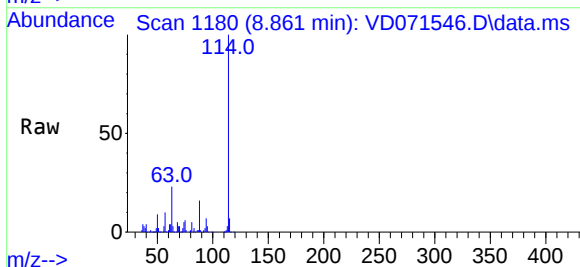
Tgt Ion: 114 Resp: 761103

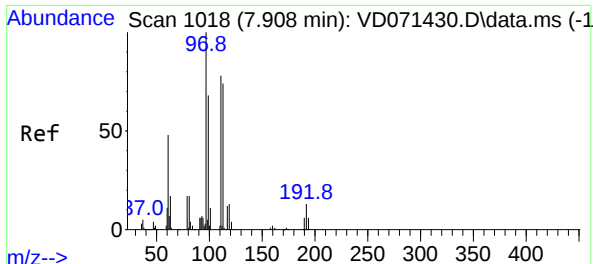
Ion Ratio Lower Upper

114 100

63 23.5 0.0 41.8

88 15.8 0.0 32.8

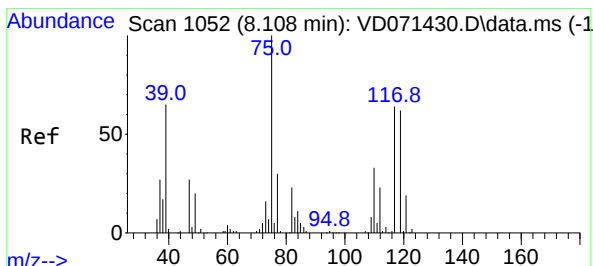
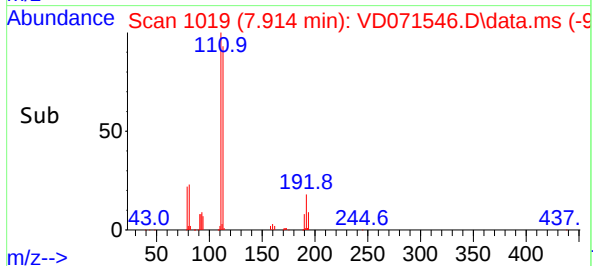
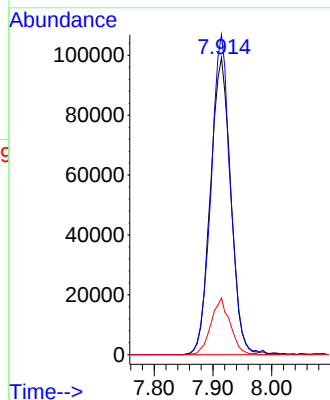
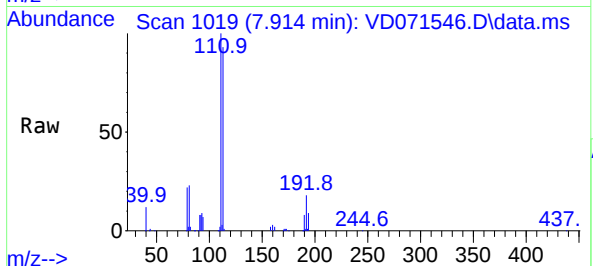




#35
Dibromofluoromethane
Concen: 46.660 ug/l
RT: 7.914 min Scan# 1018
Delta R.T. 0.006 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

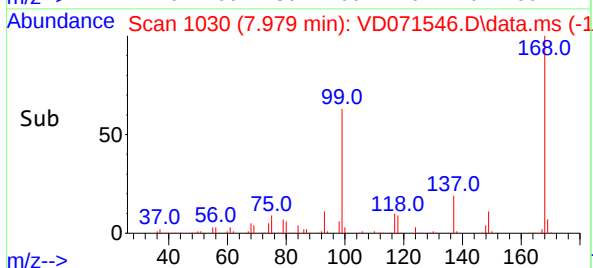
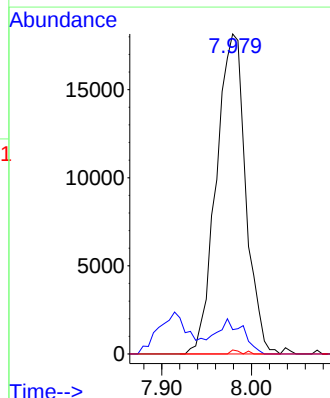
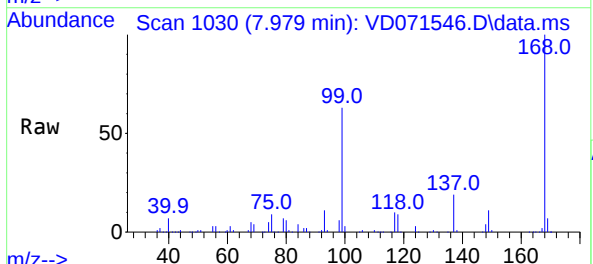
Instrument :
MSVOA_D
ClientSampleId :
SASP2-123-1-5-10

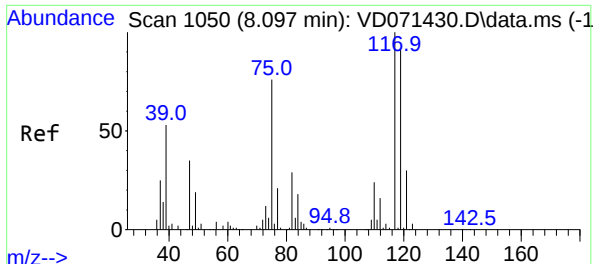
Tgt Ion:113 Resp: 238675
Ion Ratio Lower Upper
113 100
111 102.3 82.0 123.0
192 18.0 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.064 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.129 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

Tgt Ion: 75 Resp: 41385
Ion Ratio Lower Upper
75 100
110 9.7 17.8 53.4#
77 0.5 24.8 37.2#

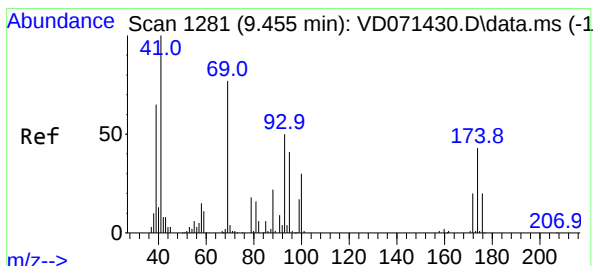
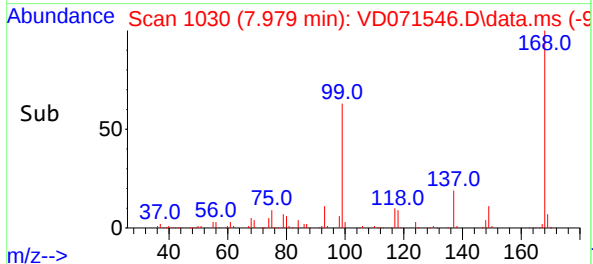
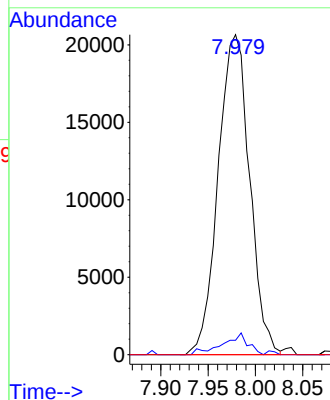
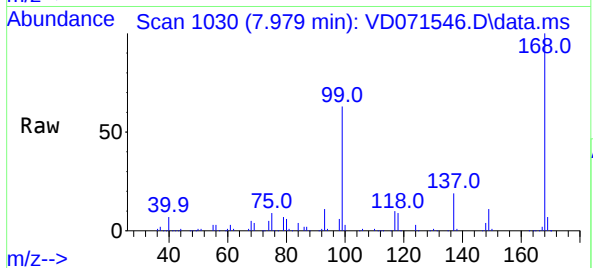




#38
Carbon Tetrachloride
Concen: 5.926 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

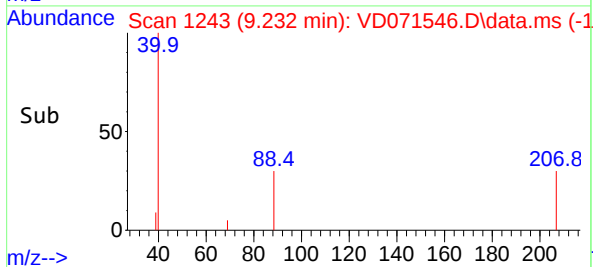
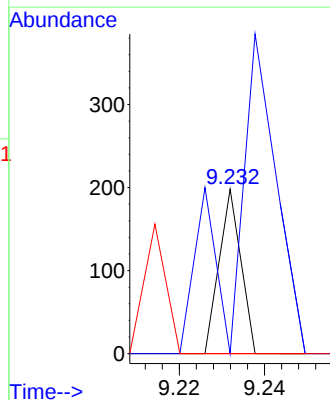
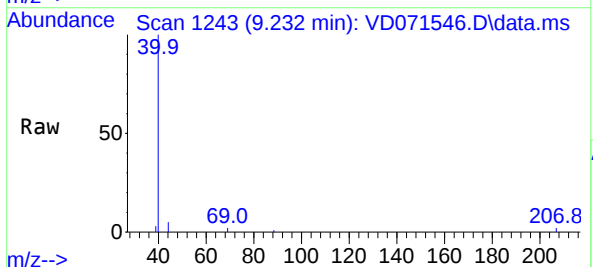
Instrument :
MSVOA_D
ClientSampleId :
SASP2-123-1-5-10

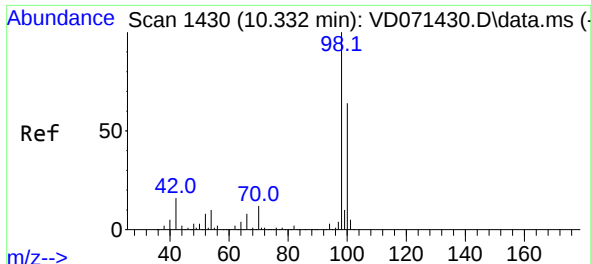
Tgt Ion:117 Resp: 47781
Ion Ratio Lower Upper
117 100
119 4.5 75.8 113.6#
121 0.0 23.6 35.4#



#49
1,4-Dioxane
Concen: 1.967 ug/l
RT: 9.232 min Scan# 1243
Delta R.T. -0.223 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

Tgt Ion: 88 Resp: 70
Ion Ratio Lower Upper
88 100
43 385.7 28.9 43.3#
58 0.0 56.3 84.5#

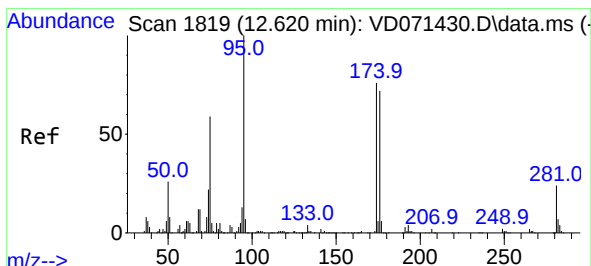
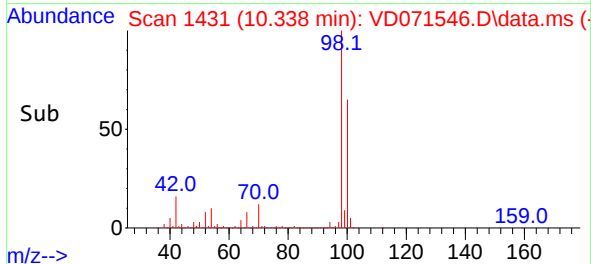
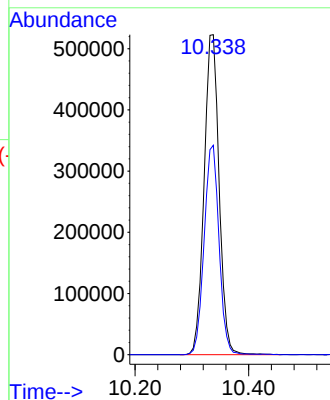
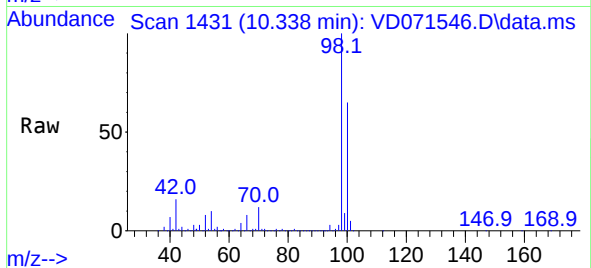




#50
Toluene-d8
Concen: 49.507 ug/l
RT: 10.338 min Scan# 1430
Delta R.T. 0.006 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

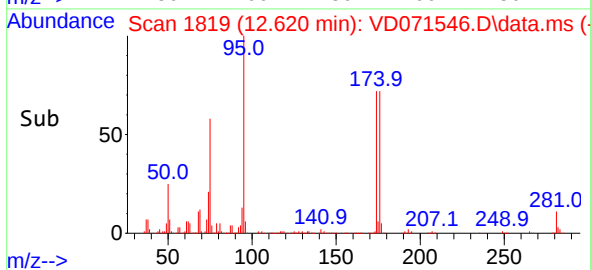
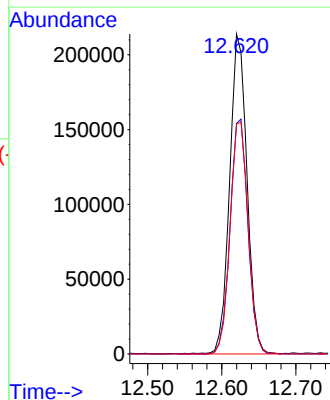
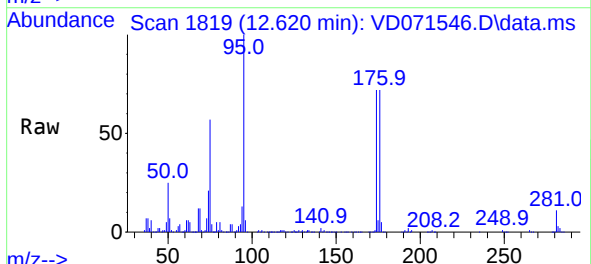
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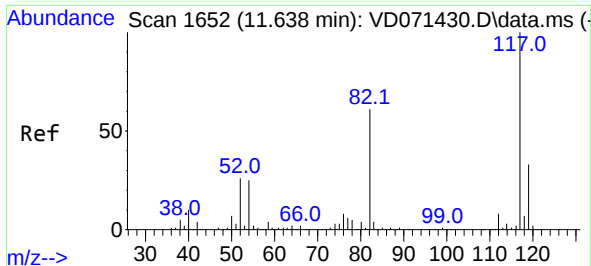
Tgt Ion: 98 Resp: 956999
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 50.640 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

Tgt Ion: 95 Resp: 347851
Ion Ratio Lower Upper
95 100
174 75.2 0.0 159.4
176 74.8 0.0 154.0

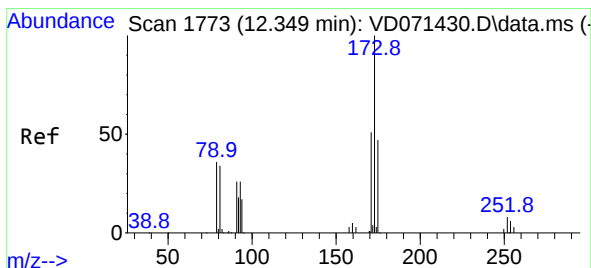
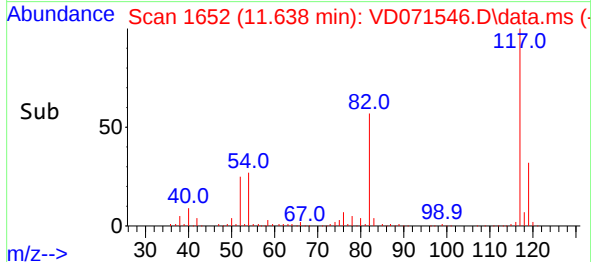
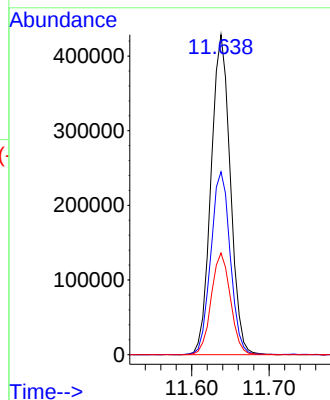
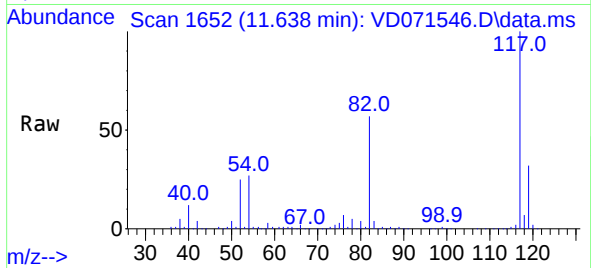




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. -0.000 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

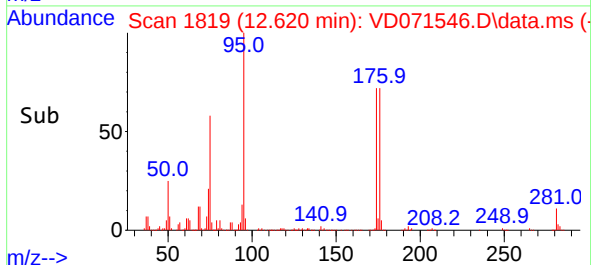
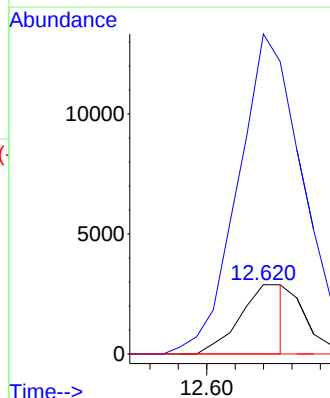
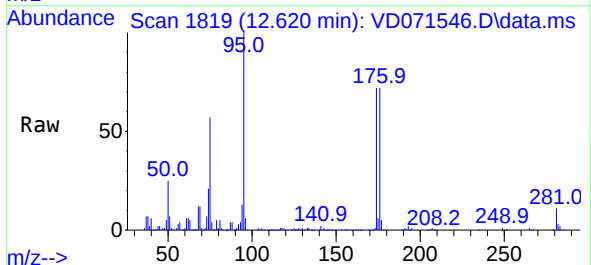
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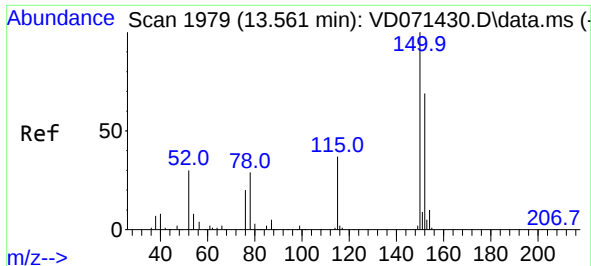
Tgt Ion:117 Resp: 739225
Ion Ratio Lower Upper
117 100
82 57.2 44.7 67.1
119 31.8 26.2 39.4



#71
Bromoform
Concen: 1.068 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.271 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

Tgt Ion:173 Resp: 3201
Ion Ratio Lower Upper
173 100
175 473.4 24.1 72.2#
254 0.0 0.1 0.1#

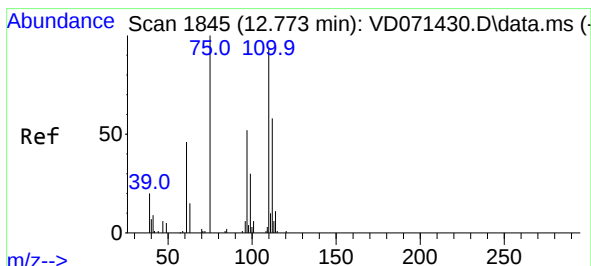
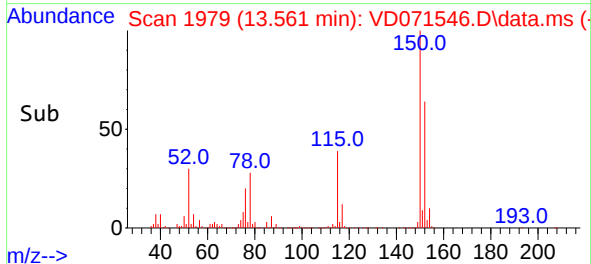
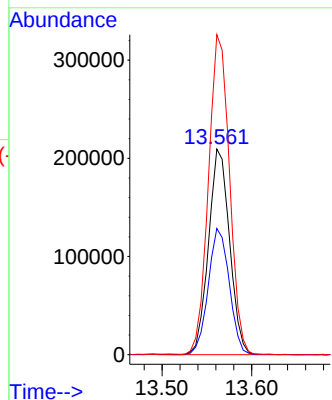
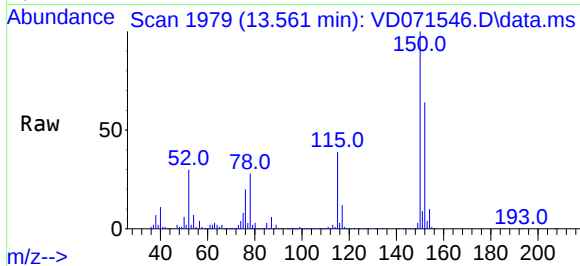




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

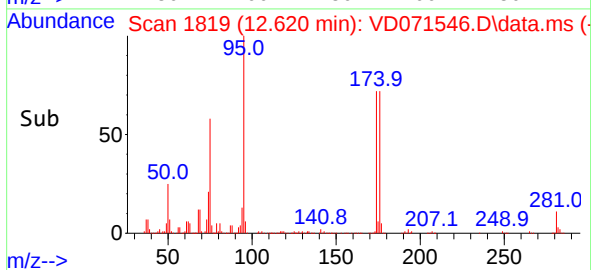
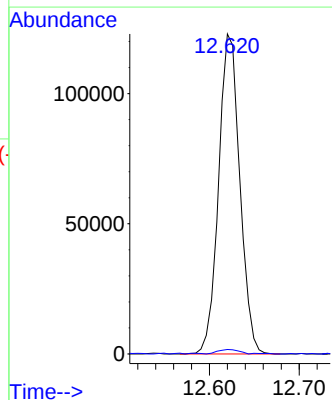
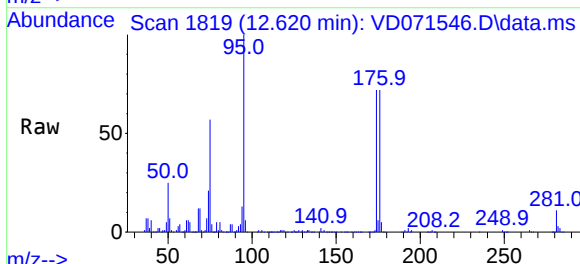
Instrument :
MSVOA_D
ClientSampleId :
SASP2-123-1-5-10

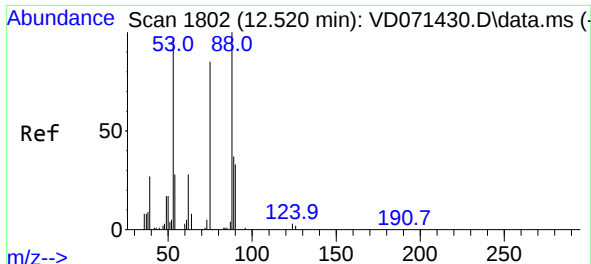
Tgt Ion:152 Resp: 342354
Ion Ratio Lower Upper
152 100
115 60.8 29.8 89.3
150 155.4 0.0 349.2



#76
1,2,3-Trichloropropane
Concen: 49.576 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

Tgt Ion: 75 Resp: 201663
Ion Ratio Lower Upper
75 100
77 1.5 158.4 475.3#

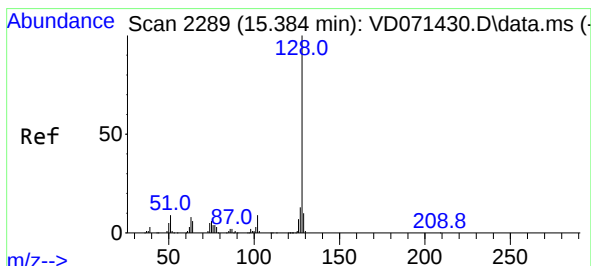
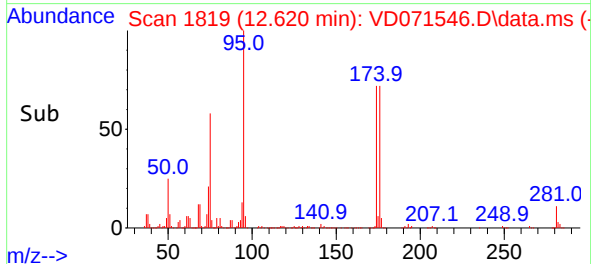
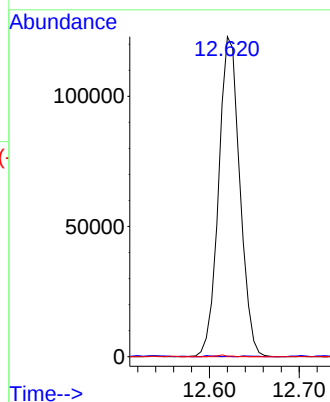
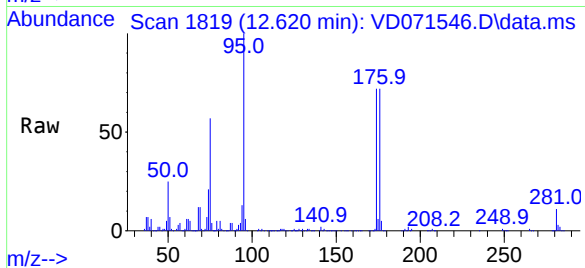




#81
trans-1,4-Dichloro-2-butene
Concen: 140.078 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

Instrument :
MSVOA_D
ClientSampleId :
SASP2-123-1-5-10

Tgt Ion: 75 Resp: 201663
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.3 34.5 51.7#



#95
Naphthalene
Concen: 1.723 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.006 min
Lab File: VD071546.D
Acq: 30 Dec 2021 13:50

Tgt Ion:128 Resp: 20065
Ion Ratio Lower Upper
128 100
127 14.2 10.7 16.1
129 10.4 8.7 13.1

