

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011922\
 Data File : VD071742.D
 Acq On : 19 Jan 2022 14:17
 Operator : VA/SY
 Sample : VIBLK
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 20 04:58:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

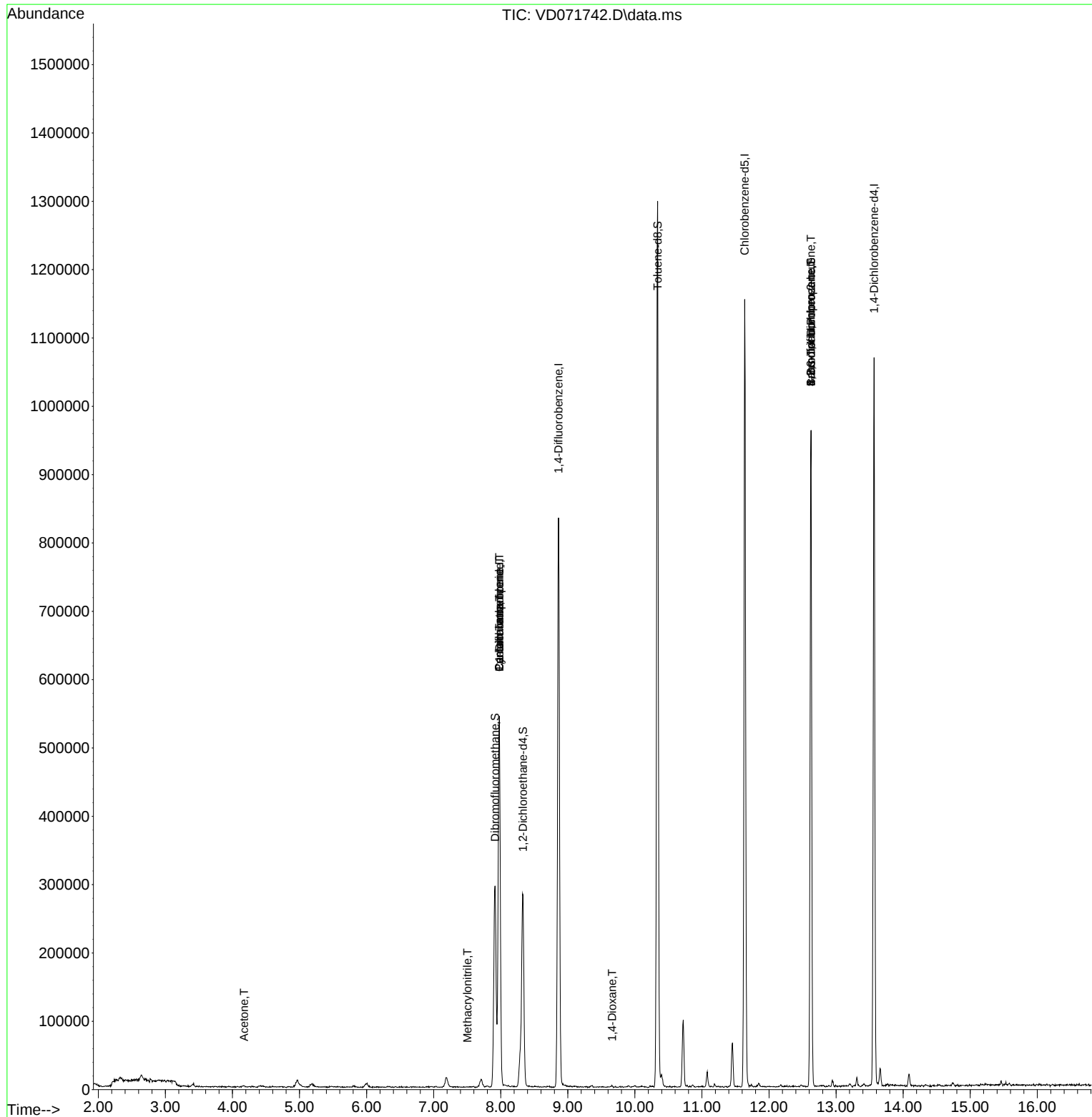
Internal Standards						
1) Pentafluorobenzene	7.979	168	369084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	655193	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	589169	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	242927	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	229296	48.282	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.560%
35) Dibromofluoromethane	7.914	113	211296	48.798	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.600%
50) Toluene-d8	10.338	98	826994	51.022	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.040%
62) 4-Bromofluorobenzene	12.626	95	257185	45.029	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	90.060%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.985	85	430	Below Cal	#	42
3) Chloromethane	2.221	50	708	Below Cal	#	43
5) Bromomethane	2.785	94	850	Below Cal		93
11) Tert butyl alcohol	5.185	59	4549	Below Cal	#	75
16) Acetone	4.173	43	3110	2.836	ug/l	96
18) Methyl Acetate	4.709	43	59	Below Cal	#	56
20) Methylene Chloride	4.973	84	6097	Below Cal	#	73
31) Cyclohexane	7.979	56	11739	2.095	ug/l	# 31
36) 1,1-Dichloropropene	7.979	75	35095	5.682	ug/l	# 50
38) Carbon Tetrachloride	7.979	117	41048	6.562	ug/l	# 16
41) Methacrylonitrile	7.503	41	74	1.171	ug/l	# 42
49) 1,4-Dioxane	9.661	88	83	3.516	ug/l	# 1
71) Bromoform	12.626	173	3173	1.520	ug/l	# 1
76) 1,2,3-Trichloropropane	12.626	75	147113	62.672	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.626	75	147113	174.722	ug/l	# 3

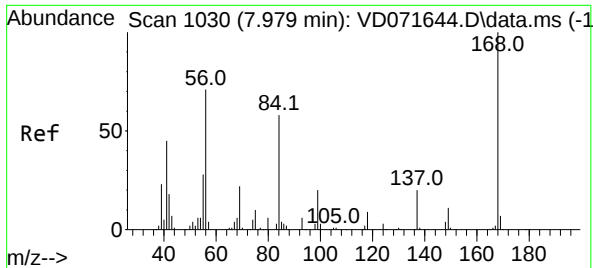
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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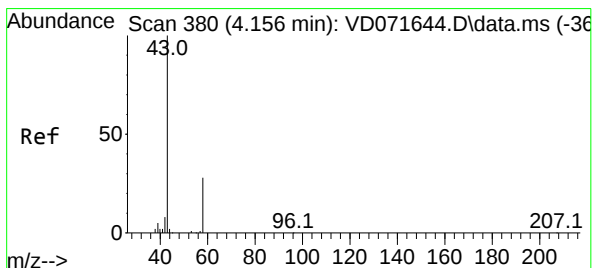
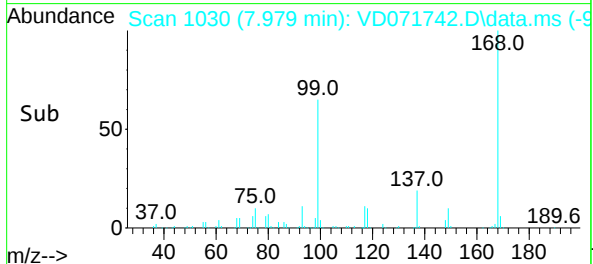
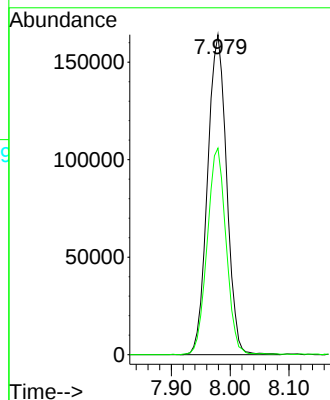
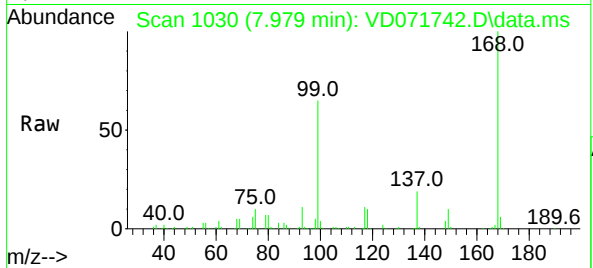




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.000 min
Lab File: VD071742.D
Acq: 19 Jan 2022 14:17

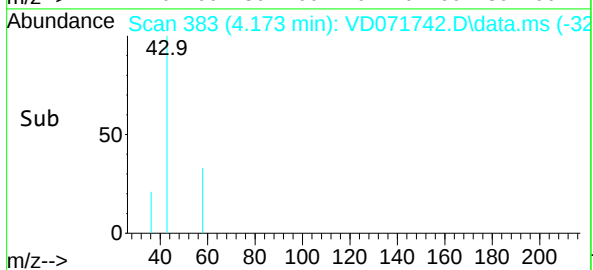
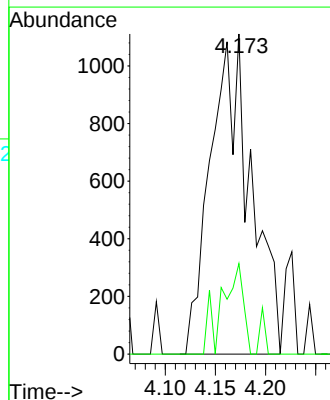
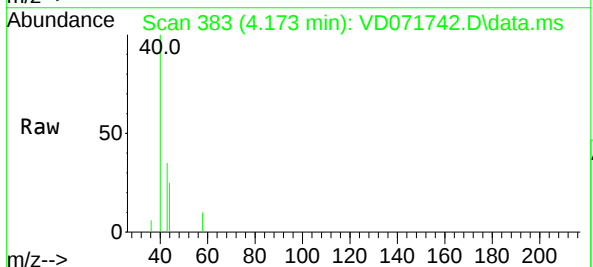
Instrument :
MSVOA_D
ClientSampleId :

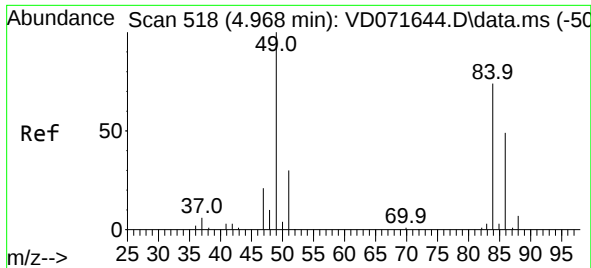
Tgt Ion:168 Resp: 369084
Ion Ratio Lower Upper
168 100
99 64.5 51.8 77.6



#16
Acetone
Concen: 2.836 ug/l
RT: 4.173 min Scan# 383
Delta R.T. 0.018 min
Lab File: VD071742.D
Acq: 19 Jan 2022 14:17

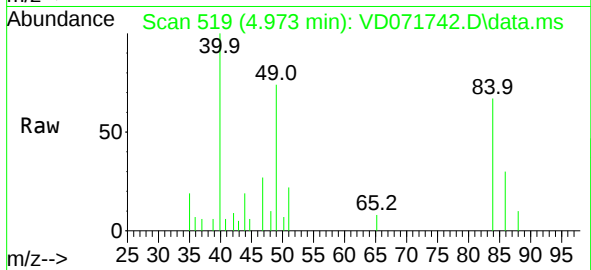
Tgt Ion: 43 Resp: 3110
Ion Ratio Lower Upper
43 100
58 28.3 21.0 31.6





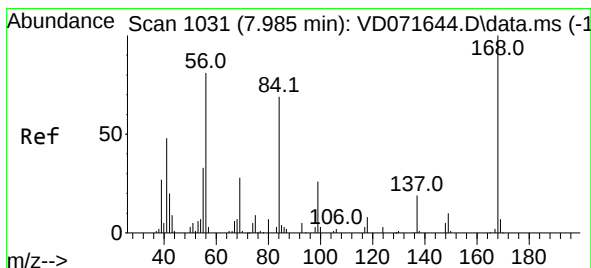
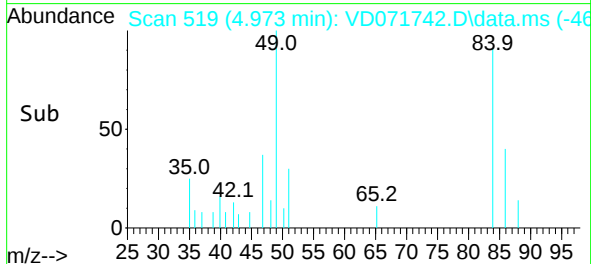
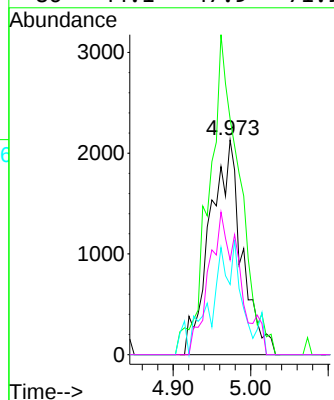
#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 51
Delta R.T. 0.006 min
Lab File: VD071742.D
Acq: 19 Jan 2022 14:17

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 6097

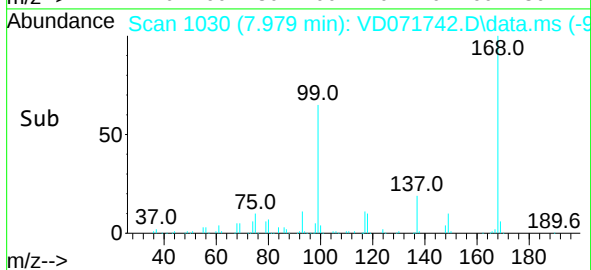
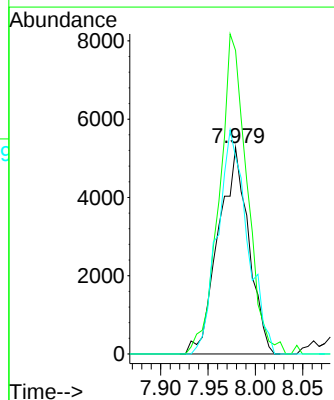
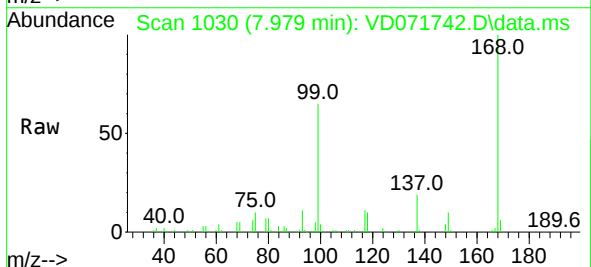
Ion	Ratio	Lower	Upper
84	100		
49	109.7	118.6	178.0#
51	32.7	37.8	56.6#
86	44.1	47.9	71.9#

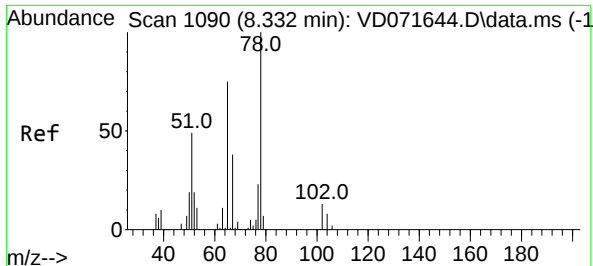


#31
Cyclohexane
Concen: 2.095 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.011 min
Lab File: VD071742.D
Acq: 19 Jan 2022 14:17

Tgt Ion: 56 Resp: 11739

Ion	Ratio	Lower	Upper
56	100		
69	147.0	21.7	32.5#
84	95.4	65.7	98.5





#33

1,2-Dichloroethane-d4

Concen: 48.282 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VD071742.D

Acq: 19 Jan 2022 14:17

Instrument :

MSVOA_D

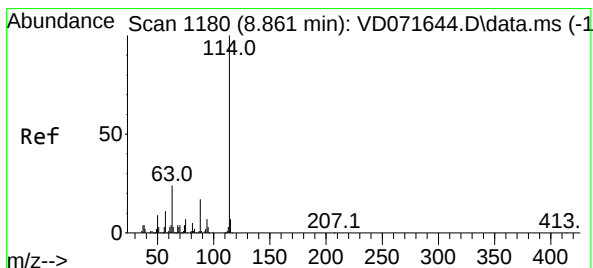
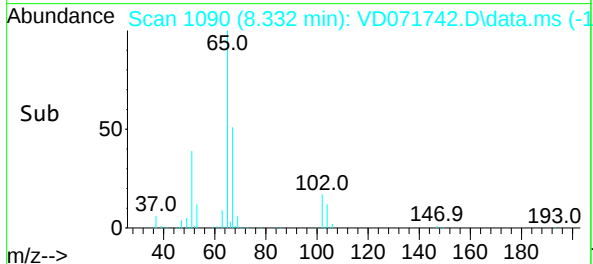
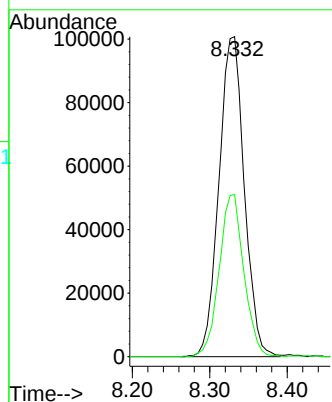
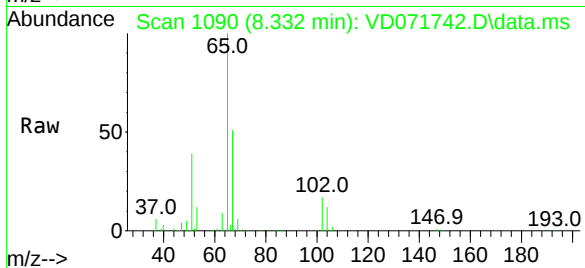
ClientSampleId :

Tgt Ion: 65 Resp: 229296

Ion Ratio Lower Upper

65 100

67 49.4 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071742.D

Acq: 19 Jan 2022 14:17

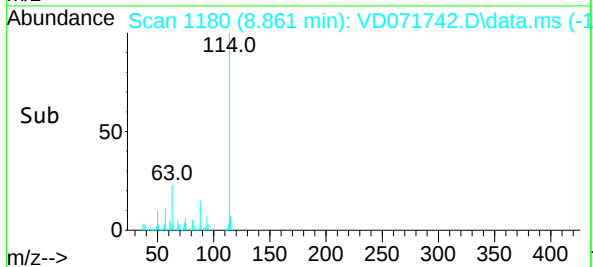
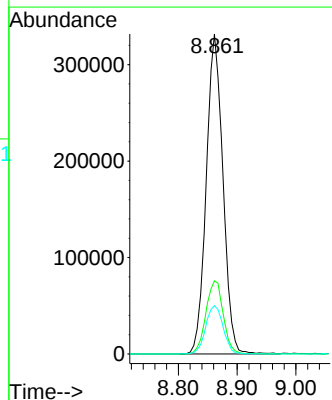
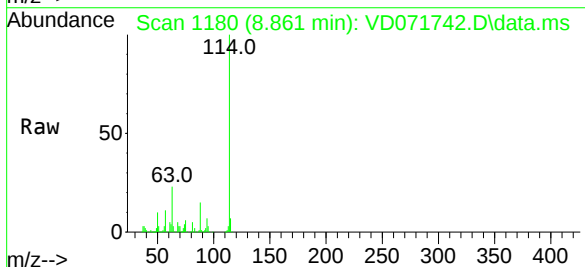
Tgt Ion: 114 Resp: 655193

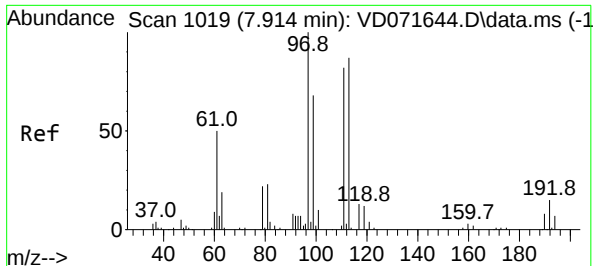
Ion Ratio Lower Upper

114 100

63 22.8 0.0 46.2

88 15.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 48.798 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

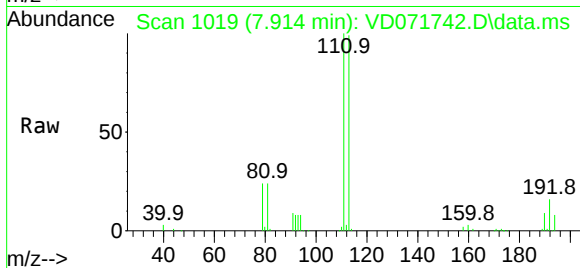
Lab File: VD071742.D

Acq: 19 Jan 2022 14:17

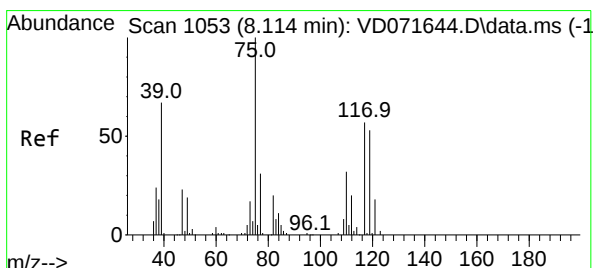
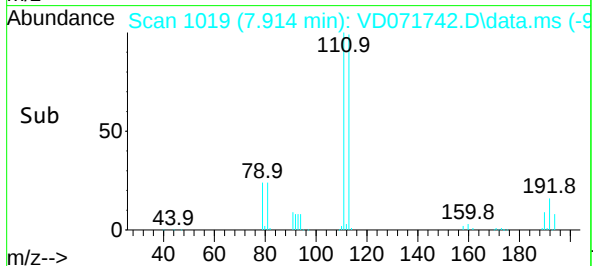
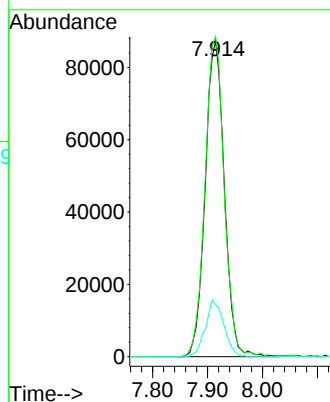
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	211296
Ion	Ratio	Lower	Upper
113	100		
111	101.8	82.2	123.4
192	17.3	14.2	21.2



#36

1,1-Dichloropropene

Concen: 5.682 ug/l

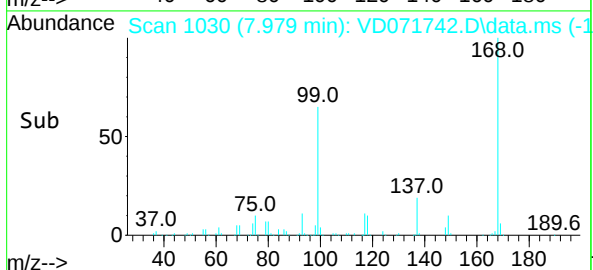
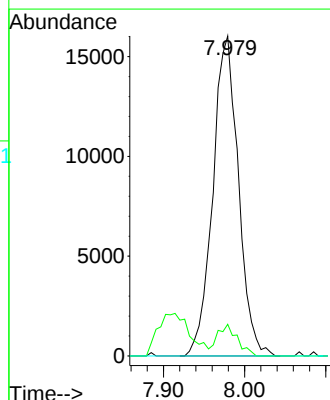
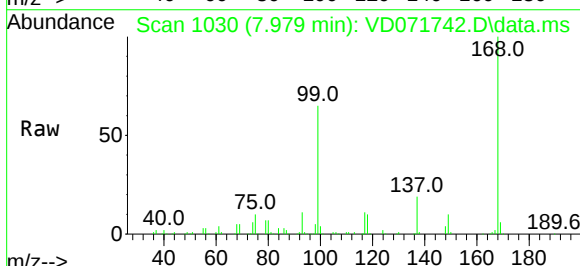
RT: 7.979 min Scan# 1030

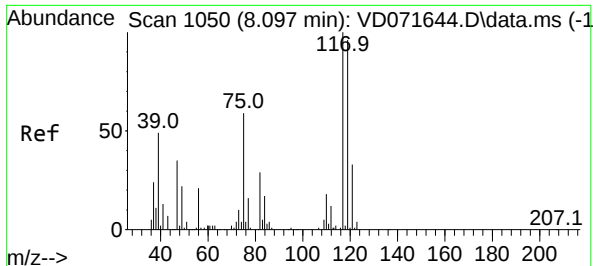
Delta R.T. -0.135 min

Lab File: VD071742.D

Acq: 19 Jan 2022 14:17

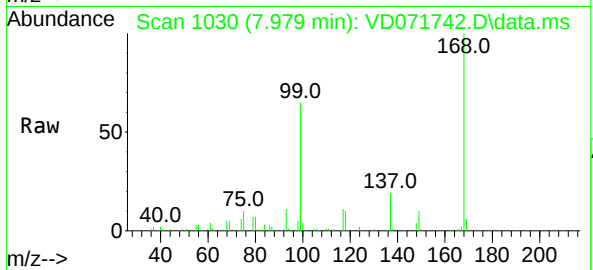
Tgt Ion:	75	Resp:	35095
Ion	Ratio	Lower	Upper
75	100		
110	7.7	16.0	48.0#
77	0.0	24.5	36.7#



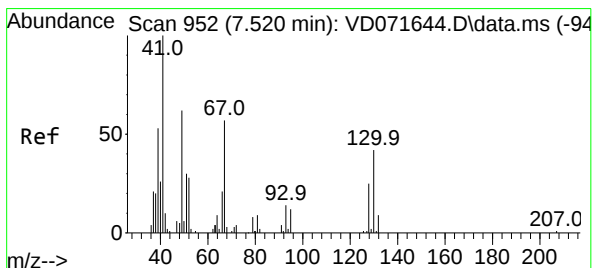
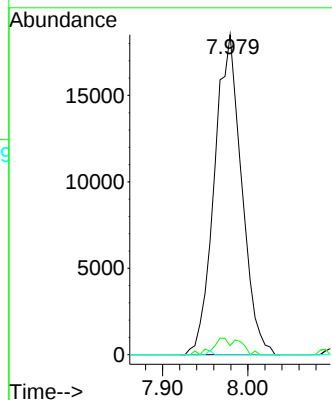
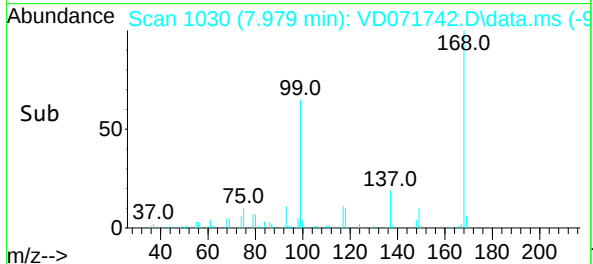


#38
Carbon Tetrachloride
Concen: 6.562 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.117 min
Lab File: VD071742.D
Acq: 19 Jan 2022 14:17

Instrument :
MSVOA_D
ClientSampleId :

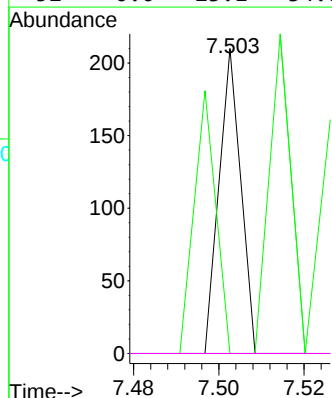
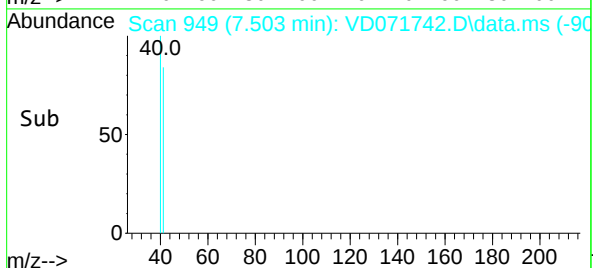
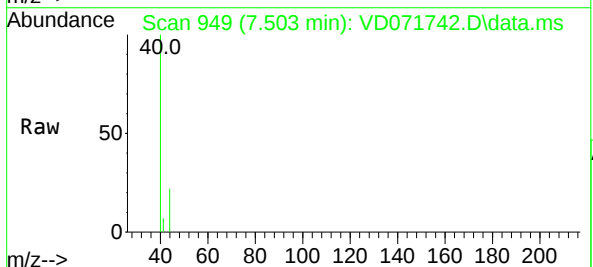


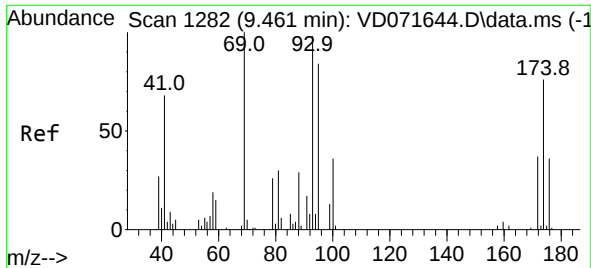
Tgt Ion:117 Resp: 41048
Ion Ratio Lower Upper
117 100
119 2.8 73.4 110.2#
121 0.0 23.9 35.9#



#41
Methacrylonitrile
Concen: 1.171 ug/l
RT: 7.503 min Scan# 949
Delta R.T. -0.017 min
Lab File: VD071742.D
Acq: 19 Jan 2022 14:17

Tgt Ion: 41 Resp: 74
Ion Ratio Lower Upper
41 100
39 86.5 46.9 70.3#
67 0.0 49.3 73.9#
52 0.0 23.1 34.7#





#49

1,4-Dioxane

Concen: 3.516 ug/l

RT: 9.661 min Scan# 11

Delta R.T. 0.206 min

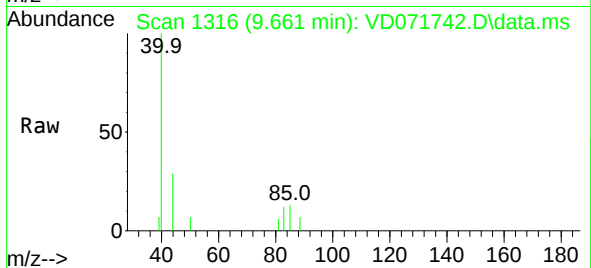
Lab File: VD071742.D

Acq: 19 Jan 2022 14:17

Instrument :

MSVOA_D

ClientSampleId :



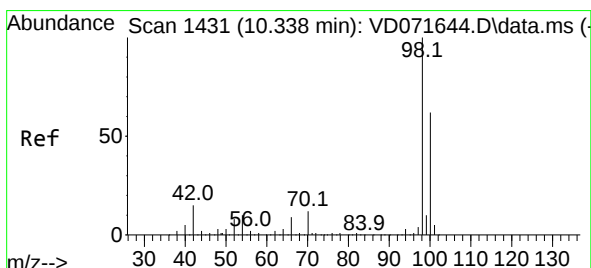
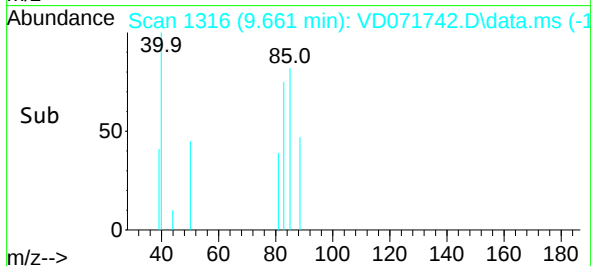
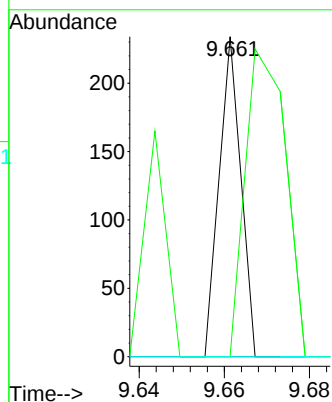
Tgt Ion: 88 Resp: 83

Ion Ratio Lower Upper

88 100

43 178.3 34.6 52.0#

58 0.0 62.0 93.0#



#50

Toluene-d8

Concen: 51.022 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. 0.001 min

Lab File: VD071742.D

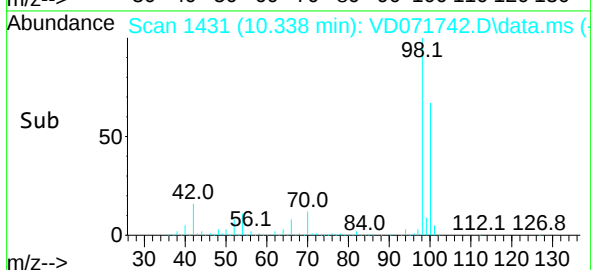
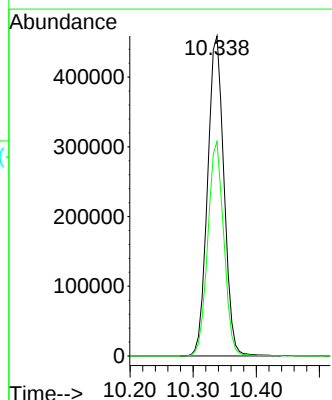
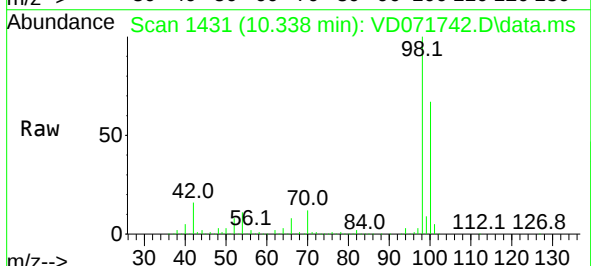
Acq: 19 Jan 2022 14:17

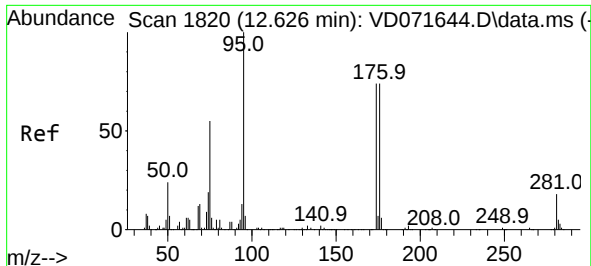
Tgt Ion: 98 Resp: 826994

Ion Ratio Lower Upper

98 100

100 65.6 52.1 78.1

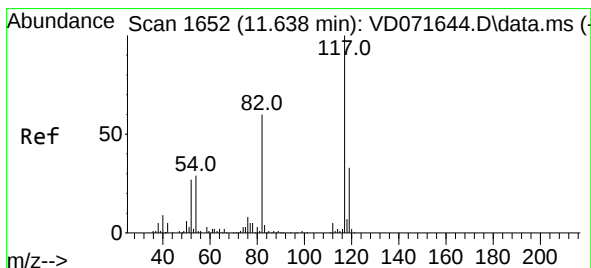
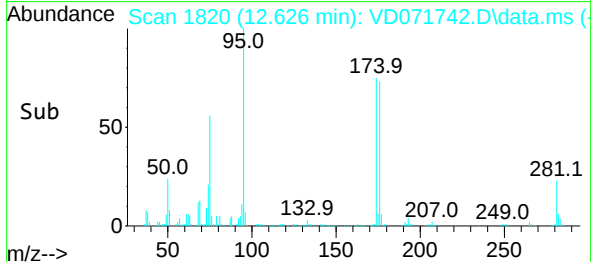
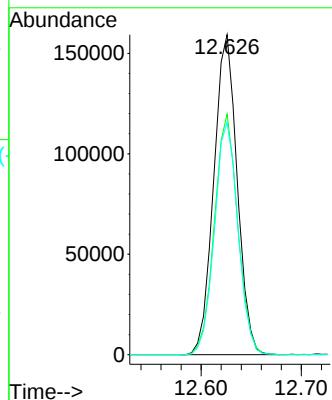
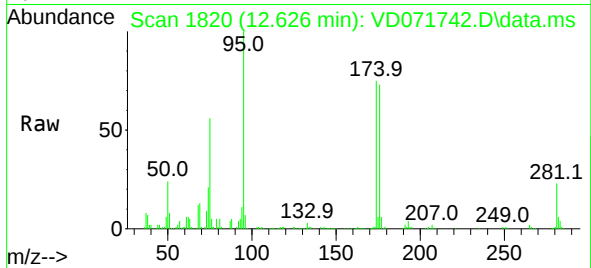




#62
4-Bromofluorobenzene
Concen: 45.029 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071742.D
Acq: 19 Jan 2022 14:17

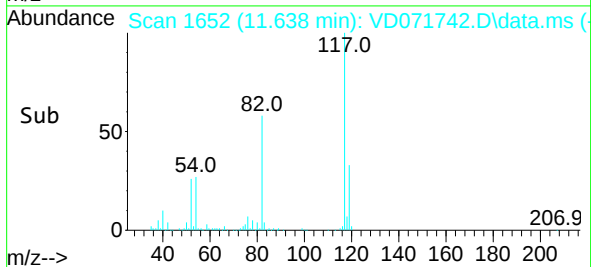
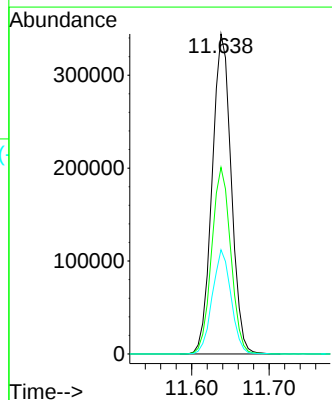
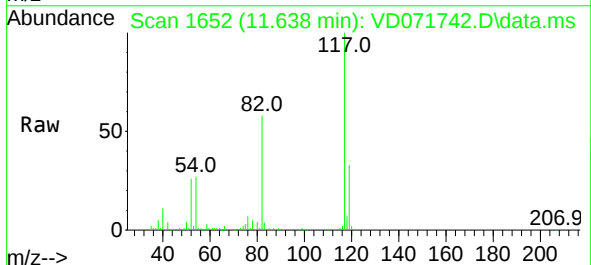
Instrument :
MSVOA_D
ClientSampleId :

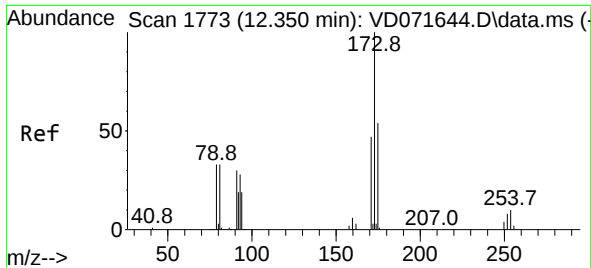
Tgt Ion: 95 Resp: 257185
Ion Ratio Lower Upper
95 100
174 75.2 0.0 150.0
176 72.8 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071742.D
Acq: 19 Jan 2022 14:17

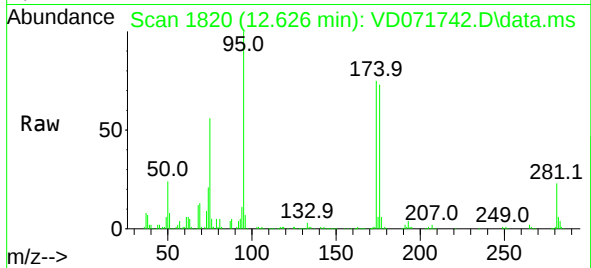
Tgt Ion:117 Resp: 589169
Ion Ratio Lower Upper
117 100
82 58.3 46.9 70.3
119 32.5 26.6 39.8



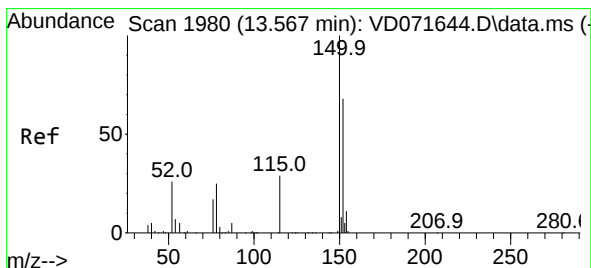
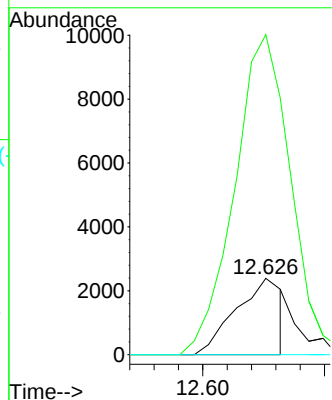
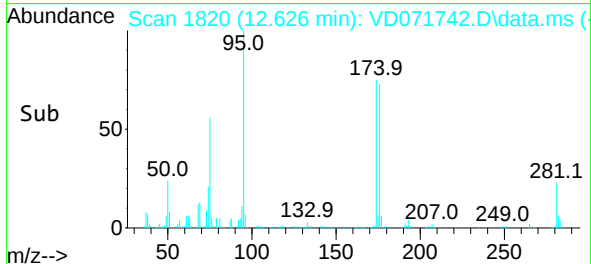


#71
Bromoform
Concen: 1.520 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071742.D
Acq: 19 Jan 2022 14:17

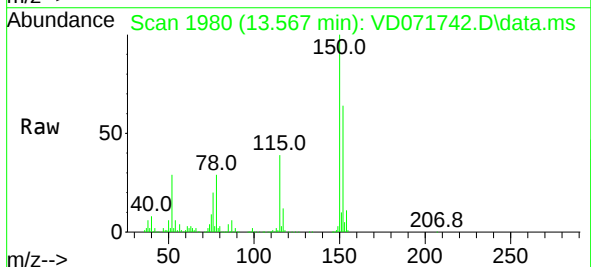
Instrument :
MSVOA_D
ClientSampleId :



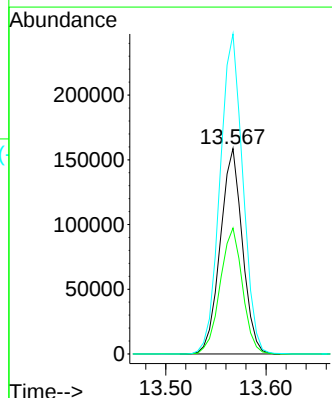
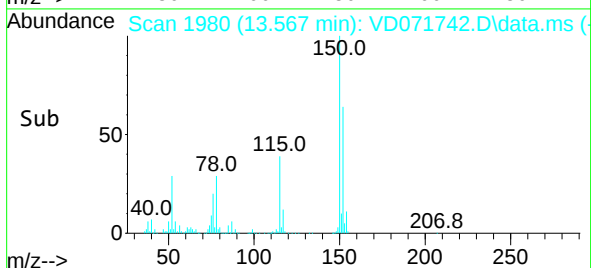
Tgt Ion:173 Resp: 3173
Ion Ratio Lower Upper
173 100
175 420.5 24.4 73.2#
254 0.0 0.1 0.1#

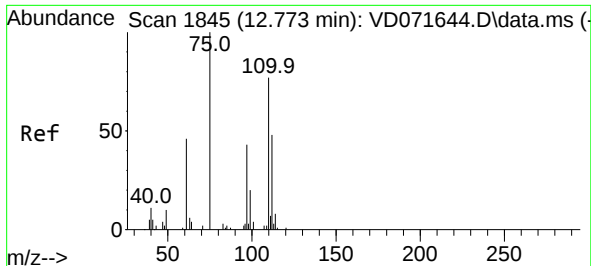


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071742.D
Acq: 19 Jan 2022 14:17



Tgt Ion:152 Resp: 242927
Ion Ratio Lower Upper
152 100
115 61.9 31.5 94.5
150 160.7 0.0 348.0

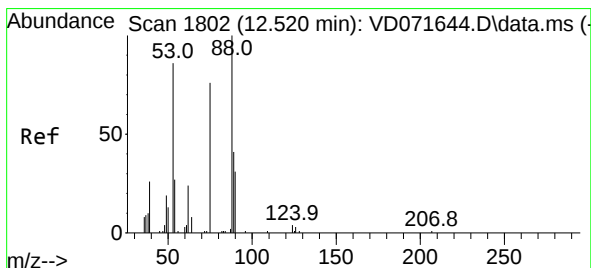
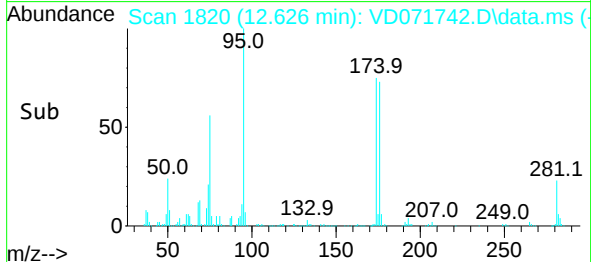
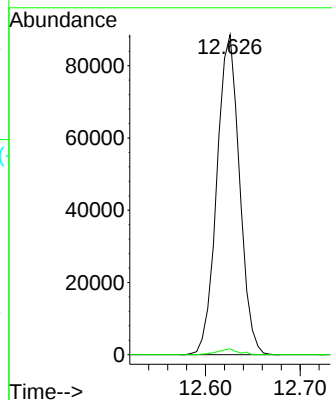
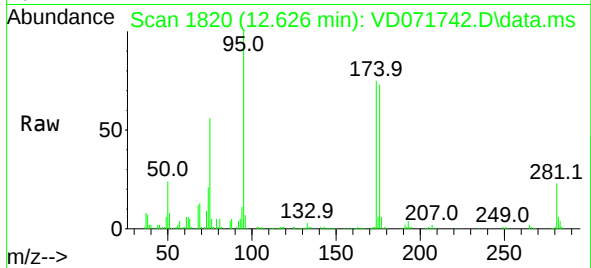




#76
1,2,3-Trichloropropane
Concen: 62.672 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071742.D
Acq: 19 Jan 2022 14:17

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 75 Resp: 147113
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 174.722 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071742.D
Acq: 19 Jan 2022 14:17

Tgt Ion: 75 Resp: 147113
Ion Ratio Lower Upper
75 100
53 0.1 95.4 143.0#
89 0.4 37.2 55.8#

