

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD021122\
 Data File : VD071941.D
 Acq On : 11 Feb 2022 17:19
 Operator : VA/SY
 Sample : N1489-02
 Misc : 3.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Feb 11 23:59:42 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D012622S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jan 27 06:04:38 2022
 Response via : Initial Calibration

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

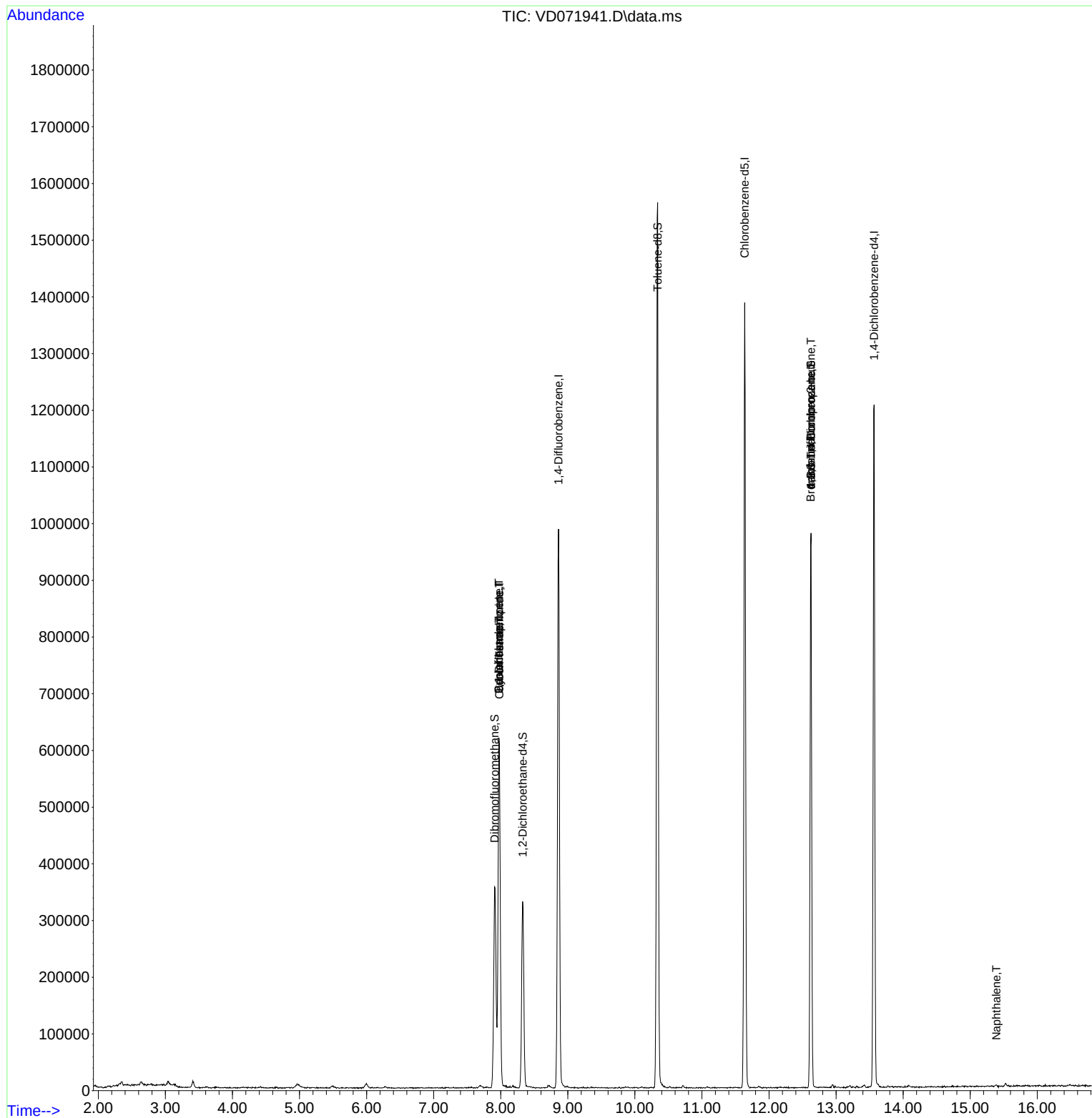
Internal Standards						
1) Pentafluorobenzene	7.973	168	425269	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	797685	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	731663	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	297419	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	262559	48.847	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.700%
35) Dibromofluoromethane	7.909	113	255138	48.659	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.320%
50) Toluene-d8	10.338	98	1016185	51.893	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	103.780%
62) 4-Bromofluorobenzene	12.626	95	312311	45.670	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	91.340%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.191	59	262	Below Cal	#	74
20) Methylene Chloride	4.968	84	4402	Below Cal	#	78
31) Cyclohexane	7.973	56	13169	1.283	ug/l #	25
36) 1,1-Dichloropropene	7.973	75	40483	4.498	ug/l #	52
38) Carbon Tetrachloride	7.979	117	47322	5.317	ug/l #	17
71) Bromoform	12.620	173	3662	1.218	ug/l #	1
76) 1,2,3-Trichloropropane	12.626	75	174208	55.579	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	174208	136.656	ug/l #	7
95) Naphthalene	15.390	128	2119	1.653	ug/l	97

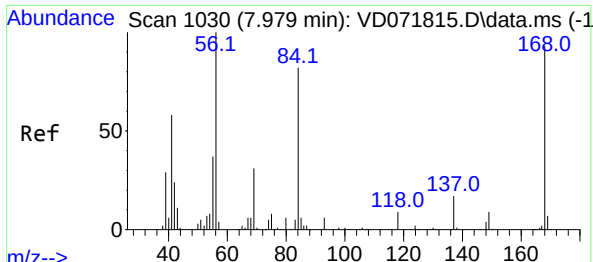
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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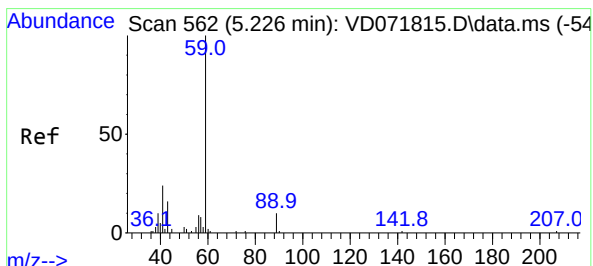
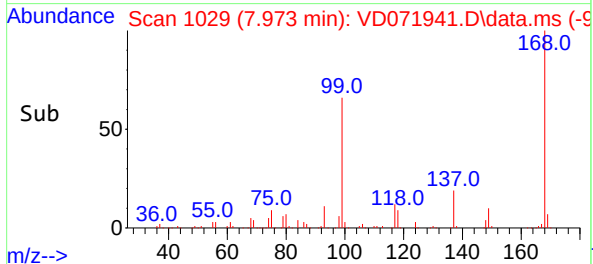
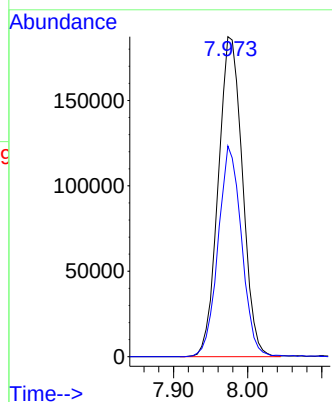
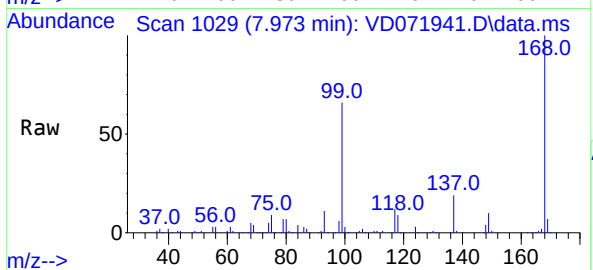




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

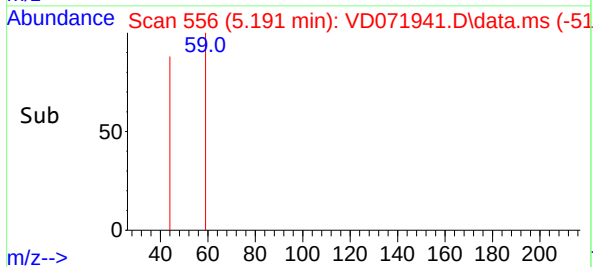
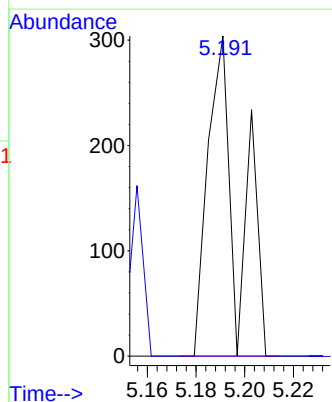
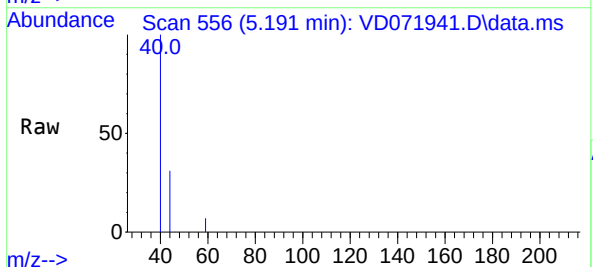
Instrument :
MSVOA_D
ClientSampleId :

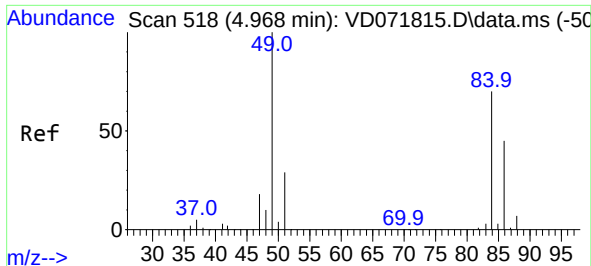
Tgt Ion:168 Resp: 425269
Ion Ratio Lower Upper
168 100
99 65.9 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.191 min Scan# 556
Delta R.T. -0.029 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

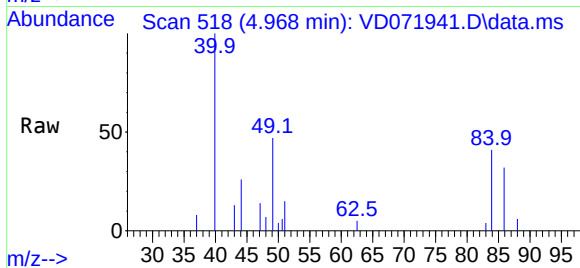
Tgt Ion: 59 Resp: 262
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





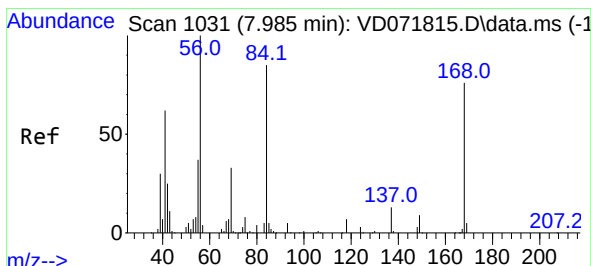
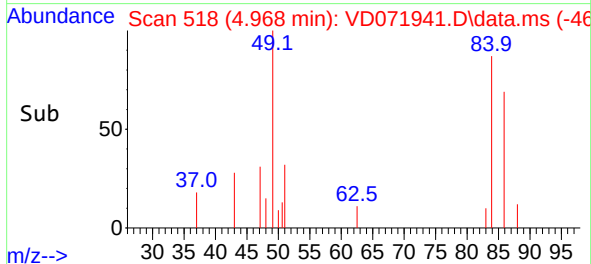
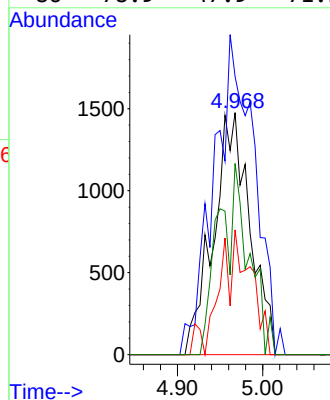
#20
Methylene Chloride
Concen: Below Cal
RT: 4.968 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 84 Resp: 4402

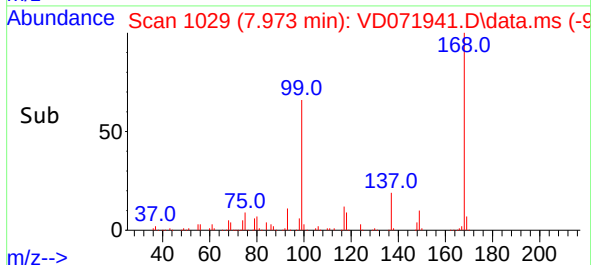
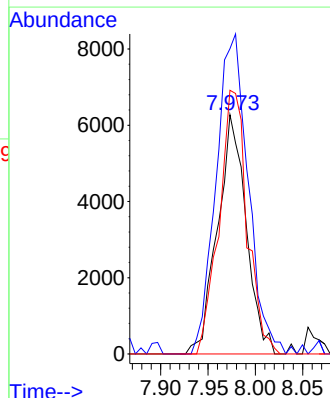
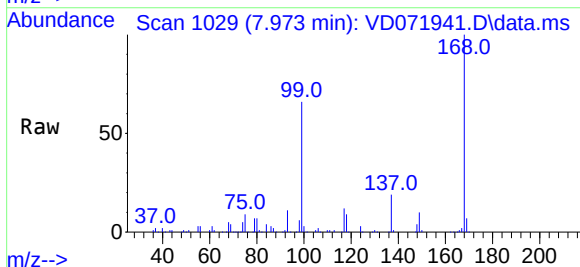
Ion	Ratio	Lower	Upper
84	100		
49	114.9	112.8	169.2
51	51.5	32.6	48.8#
86	78.9	47.9	71.9#

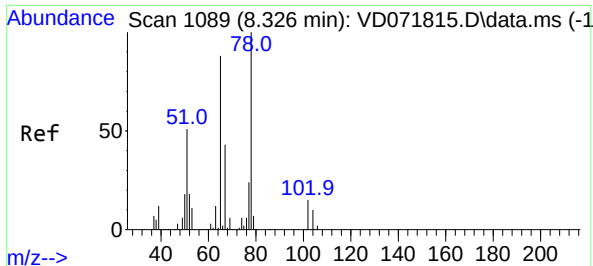


#31
Cyclohexane
Concen: 1.283 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

Tgt Ion: 56 Resp: 13169

Ion	Ratio	Lower	Upper
56	100		
69	127.6	25.4	38.2#
84	110.2	63.0	94.4#





#33

1,2-Dichloroethane-d4

Concen: 48.847 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071941.D

Acq: 11 Feb 2022 17:19

Instrument :

MSVOA_D

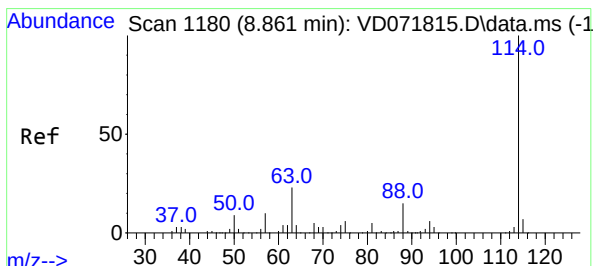
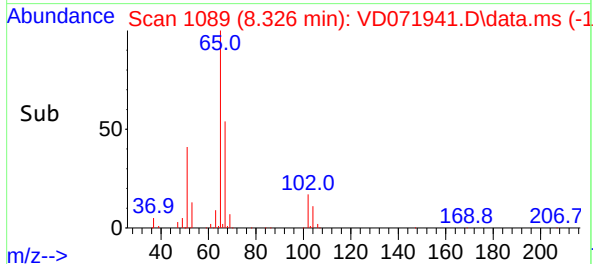
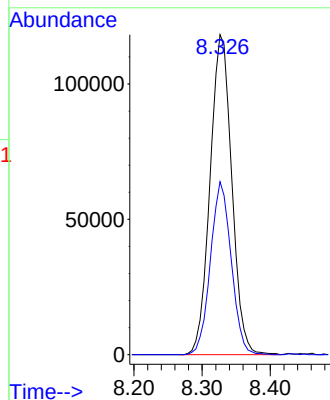
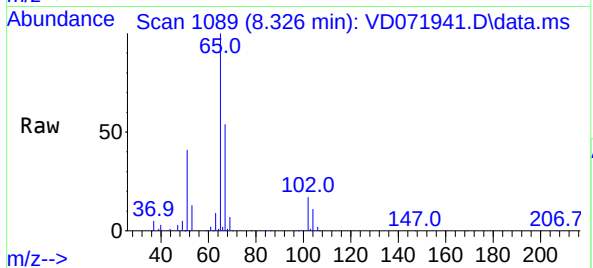
ClientSampleId :

Tgt Ion: 65 Resp: 262559

Ion Ratio Lower Upper

65 100

67 51.6 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071941.D

Acq: 11 Feb 2022 17:19

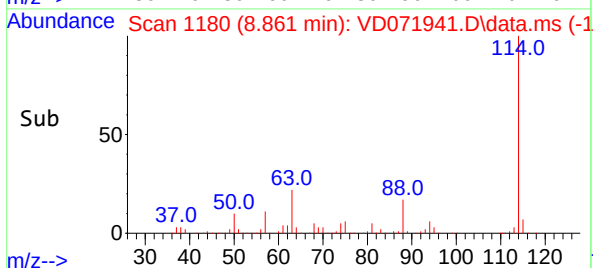
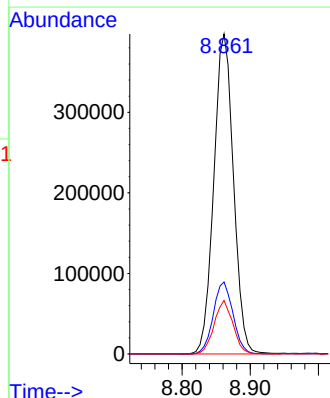
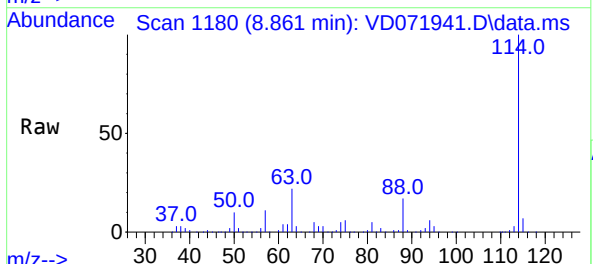
Tgt Ion: 114 Resp: 797685

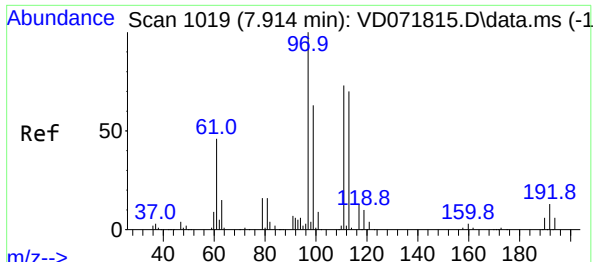
Ion Ratio Lower Upper

114 100

63 22.5 0.0 46.6

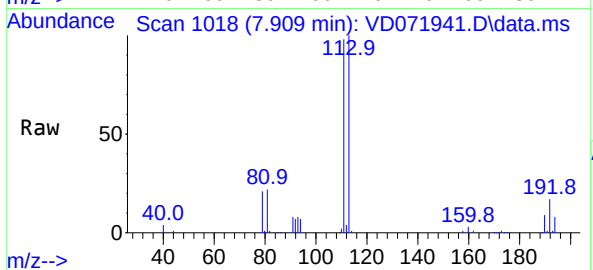
88 16.7 0.0 33.2



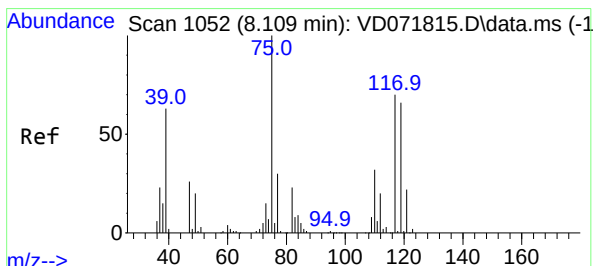
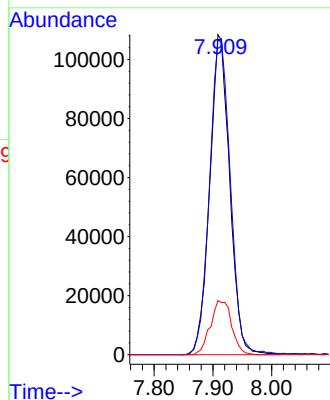
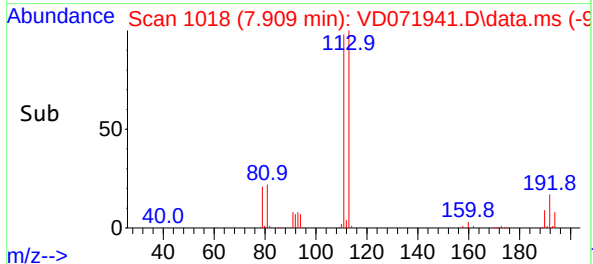


#35
Dibromofluoromethane
Concen: 48.659 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

Instrument :
MSVOA_D
ClientSampleId :

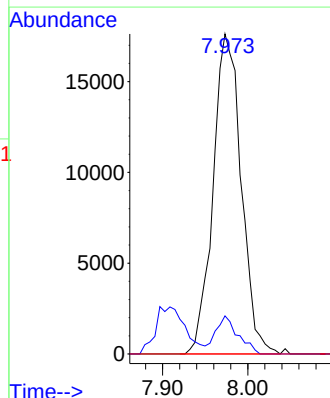
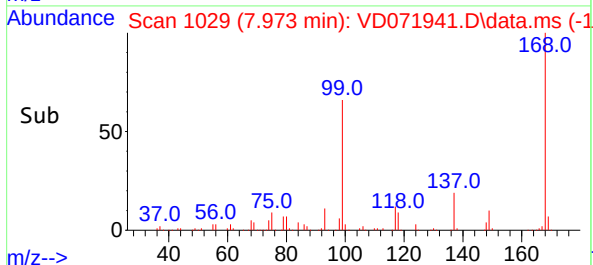
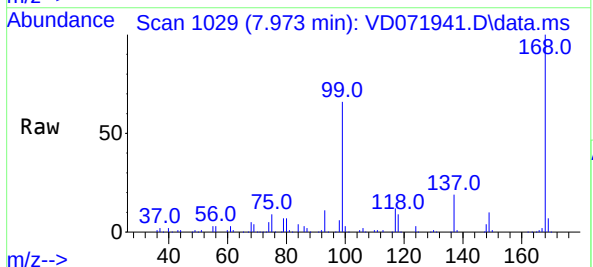


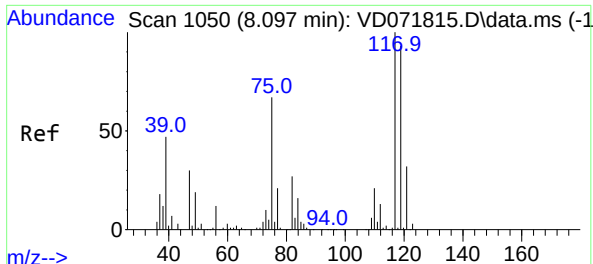
Tgt Ion:113 Resp: 255138
Ion Ratio Lower Upper
113 100
111 103.3 83.8 125.6
192 17.9 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.498 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

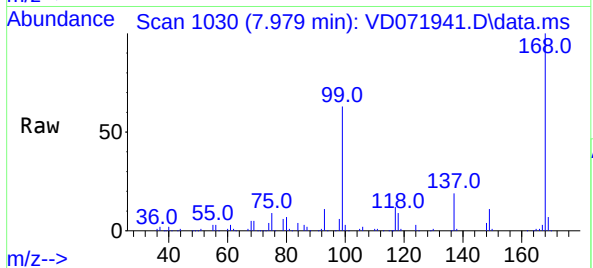
Tgt Ion: 75 Resp: 40483
Ion Ratio Lower Upper
75 100
110 9.4 16.4 49.1#
77 0.0 24.2 36.2#



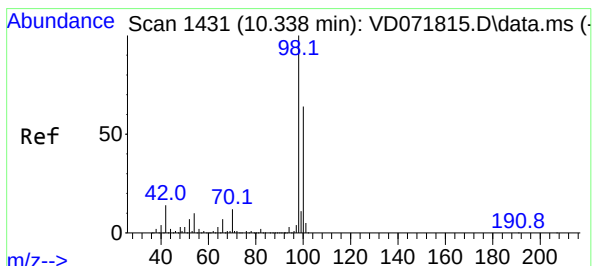
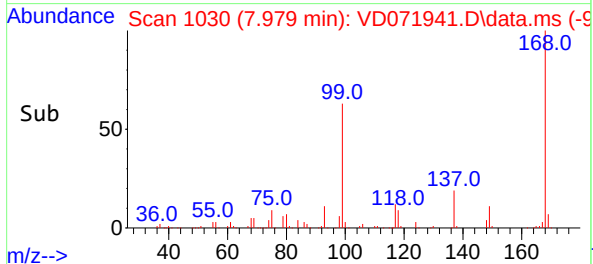
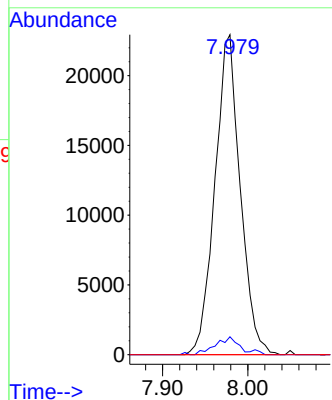


#38
Carbon Tetrachloride
Concen: 5.317 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

Instrument :
MSVOA_D
ClientSampleId :

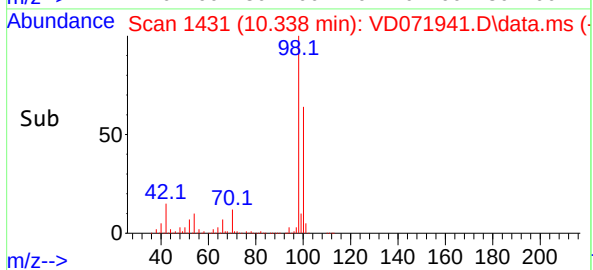
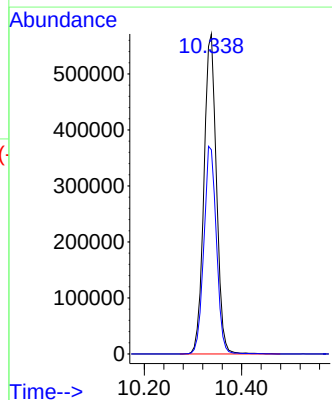
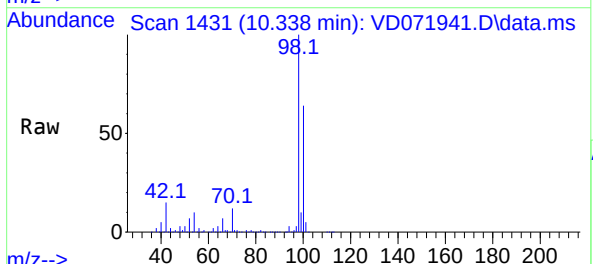


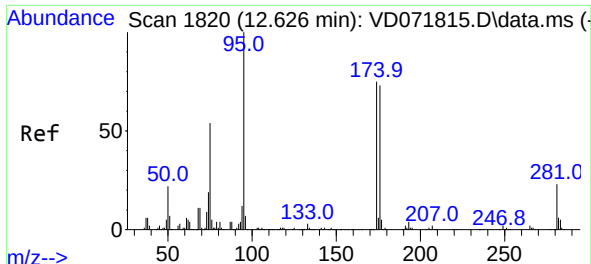
Tgt Ion:117 Resp: 47322
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 51.893 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.000 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

Tgt Ion: 98 Resp: 1016185
Ion Ratio Lower Upper
98 100
100 65.1 52.4 78.6

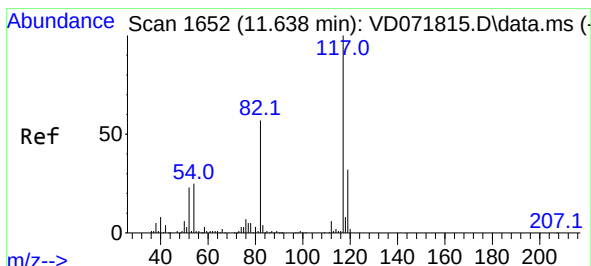
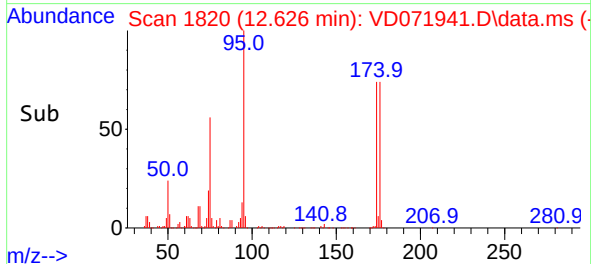
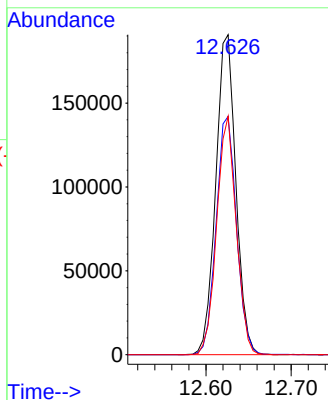
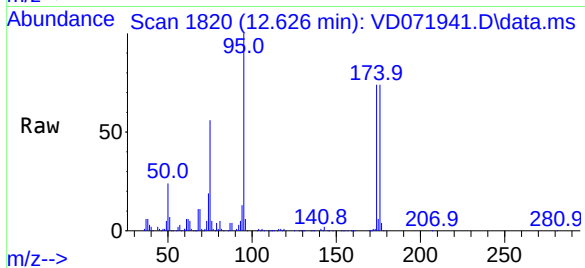




#62
4-Bromofluorobenzene
Concen: 45.670 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

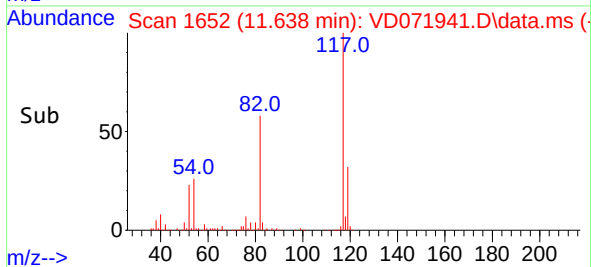
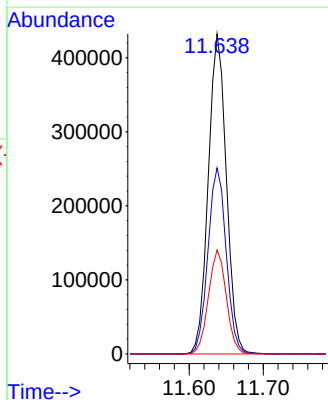
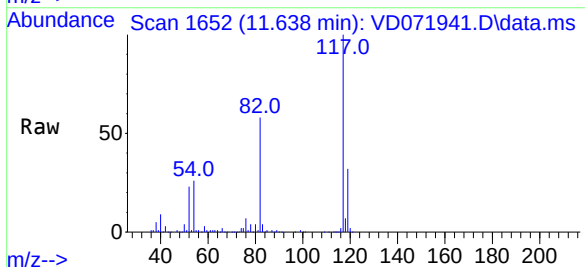
Instrument :
MSVOA_D
ClientSampleId :

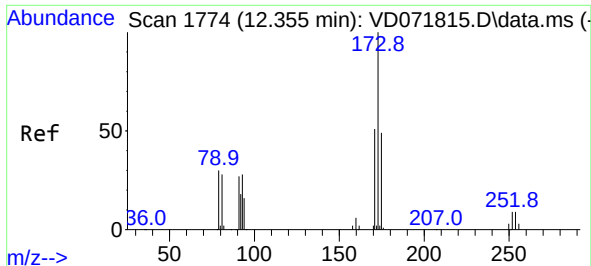
Tgt Ion: 95 Resp: 312311
Ion Ratio Lower Upper
95 100
174 75.6 0.0 152.8
176 72.3 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

Tgt Ion: 117 Resp: 731663
Ion Ratio Lower Upper
117 100
82 58.2 45.3 67.9
119 32.5 26.6 40.0

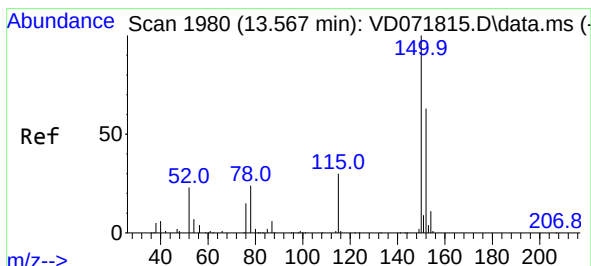
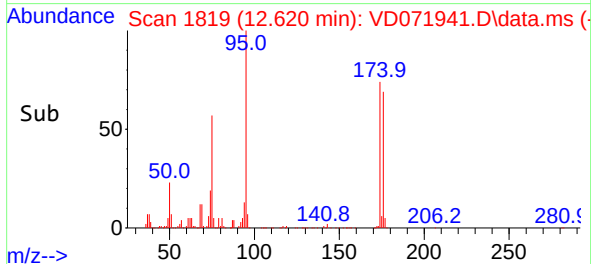
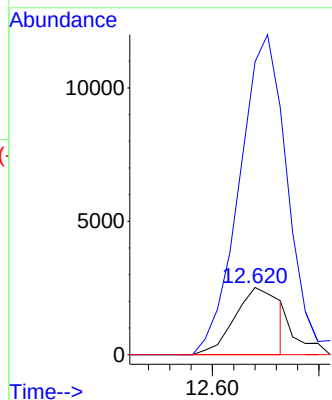
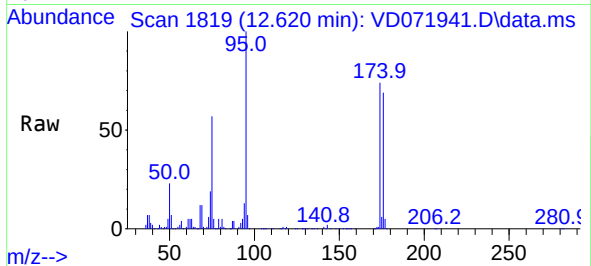




#71
Bromoform
Concen: 1.218 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

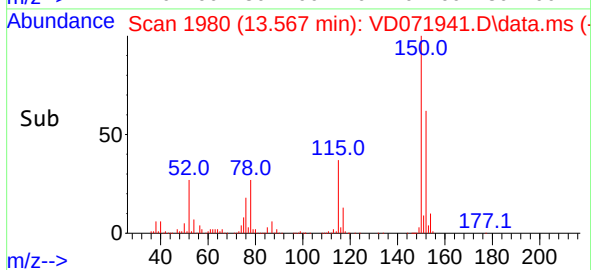
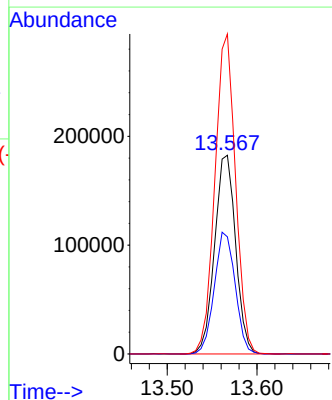
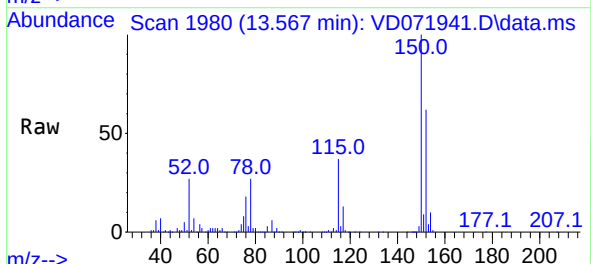
Instrument :
MSVOA_D
ClientSampleId :

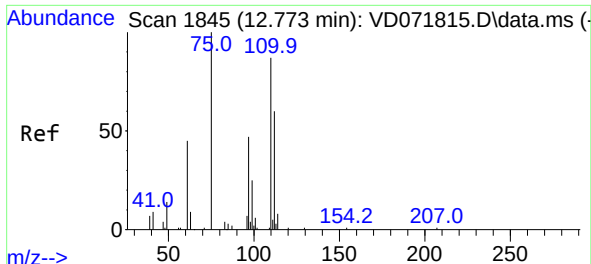
Tgt Ion:173 Resp: 3662
Ion Ratio Lower Upper
173 100
175 441.6 23.9 71.8#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

Tgt Ion:152 Resp: 297419
Ion Ratio Lower Upper
152 100
115 61.0 31.3 93.8
150 157.9 0.0 348.6

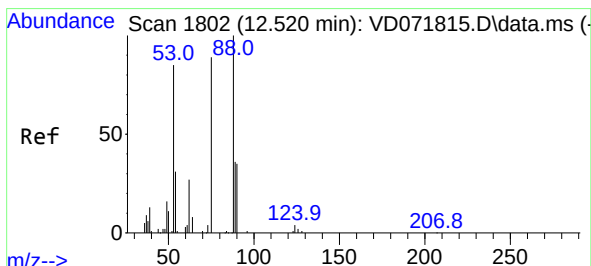
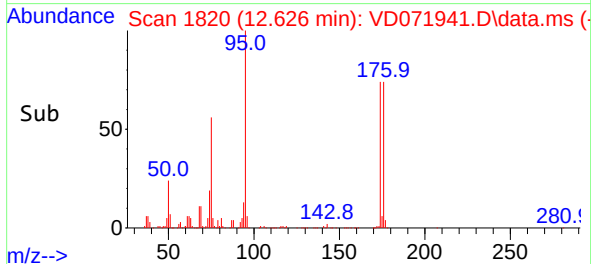
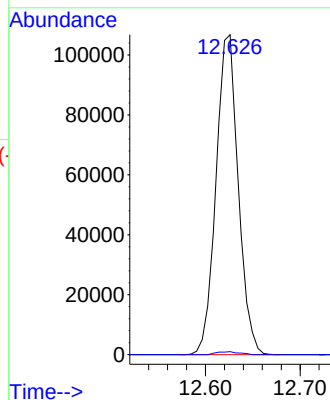
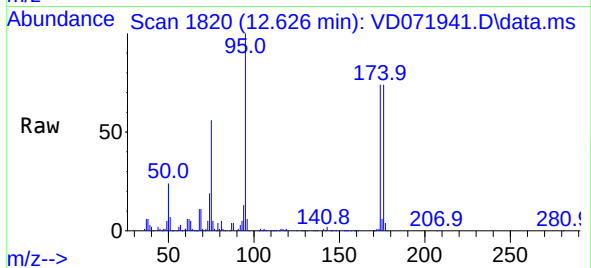




#76
1,2,3-Trichloropropane
Concen: 55.579 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

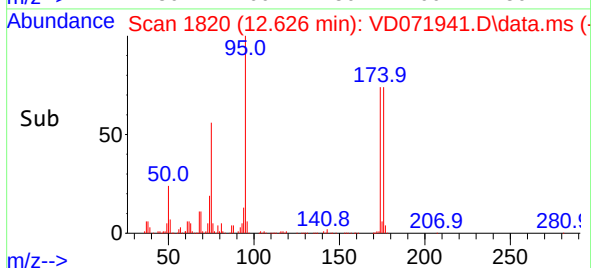
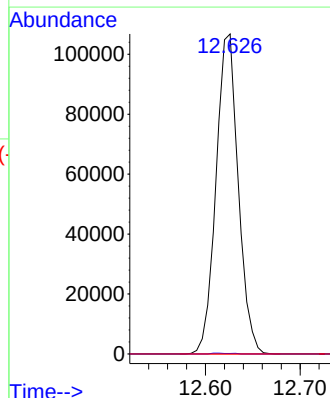
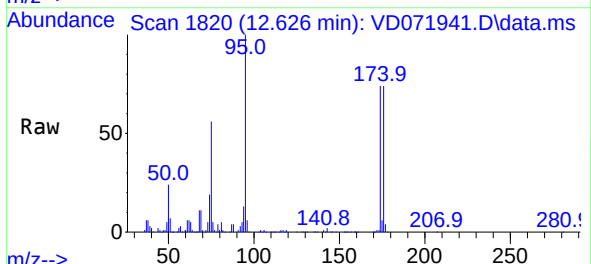
Instrument :
MSVOA_D
ClientSampleId :

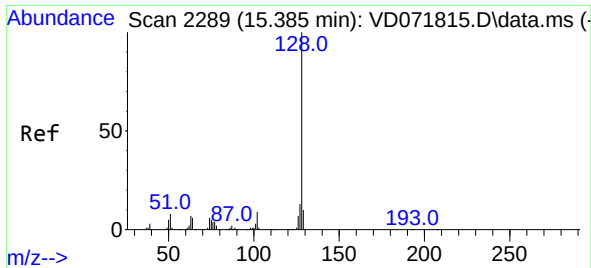
Tgt Ion: 75 Resp: 174208
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 136.656 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

Tgt Ion: 75 Resp: 174208
Ion Ratio Lower Upper
75 100
53 0.2 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 1.653 ug/l
RT: 15.390 min Scan# 2119
Delta R.T. 0.006 min
Lab File: VD071941.D
Acq: 11 Feb 2022 17:19

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:	128	Resp:	2119
Ion	Ratio	Lower	Upper
128	100		
127	12.2	10.3	15.5
129	8.7	8.4	12.6

