

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD083121\
 Data File : VD070279.D
 Acq On : 31 Aug 2021 14:59
 Operator : VA/SY
 Sample : M3605-03
 Misc : 5.34G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Sep 01 03:58:43 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D081321S.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 14 02:33:51 2021
 Response via : Initial Calibration

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

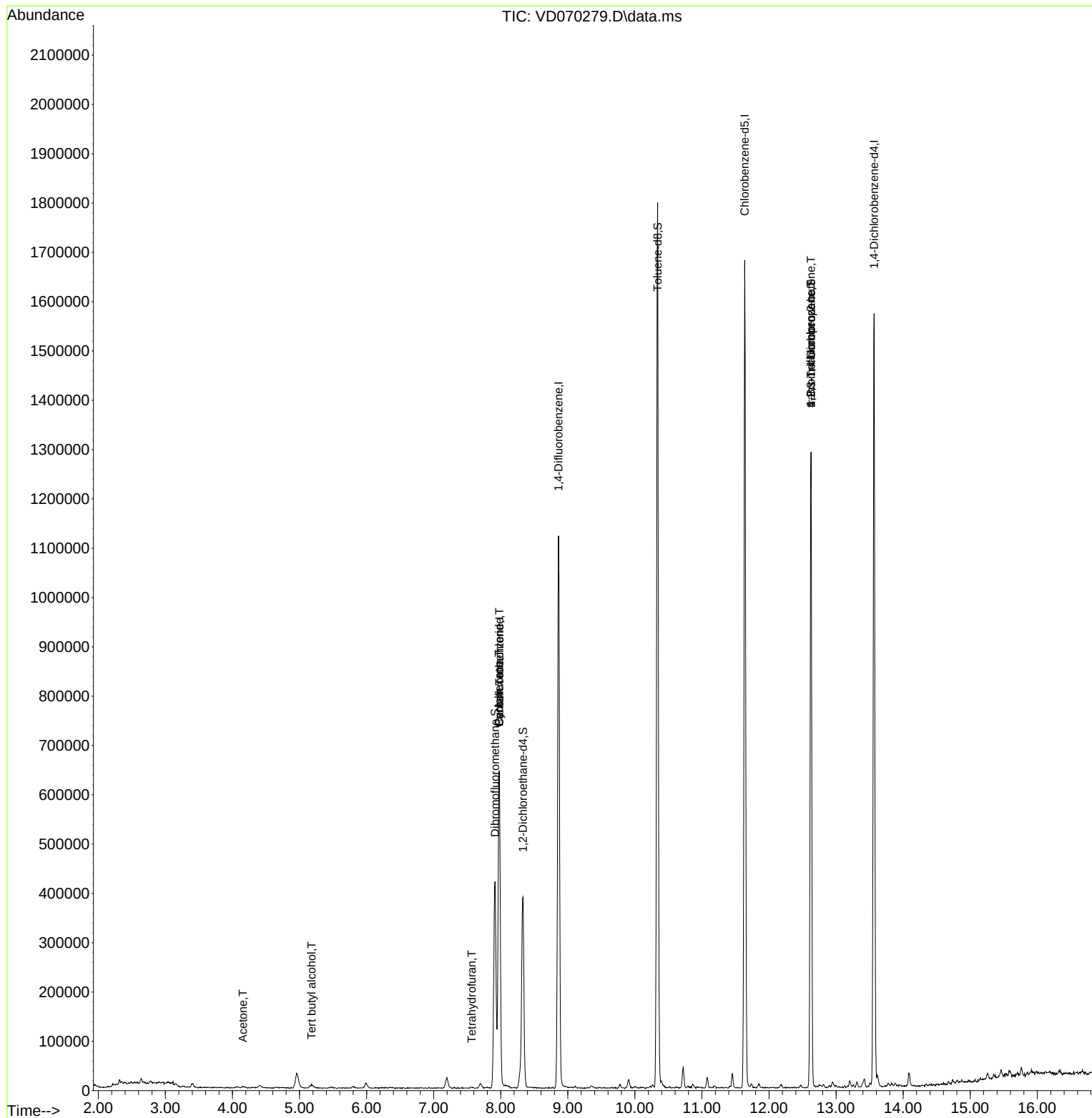
Internal Standards						
1) Pentafluorobenzene	7.979	168	458653	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	943396	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	944291	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	408120	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	313475	58.110	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 116.220%	
35) Dibromofluoromethane	7.914	113	308317	50.586	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.180%	
50) Toluene-d8	10.338	98	1204897	50.827	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.660%	
62) 4-Bromofluorobenzene	12.626	95	409778	52.481	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 104.960%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.985	85	1344	Below Cal		96
3) Chloromethane	2.209	50	2618	Below Cal	#	74
5) Bromomethane	2.785	94	3575	Below Cal	#	78
11) Tert butyl alcohol	5.179	59	6273	21.039	ug/l #	71
16) Acetone	4.156	43	5349	5.383	ug/l	95
20) Methylene Chloride	4.956	84	22580	Below Cal		97
29) Tetrahydrofuran	7.567	42	1697	1.909	ug/l #	51
31) Cyclohexane	7.973	56	12214	1.144	ug/l #	1
38) Carbon Tetrachloride	7.979	117	49159	5.335	ug/l #	15
76) 1,2,3-Trichloropropane	12.626	75	208546	50.387	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	208546	130.786	ug/l #	18

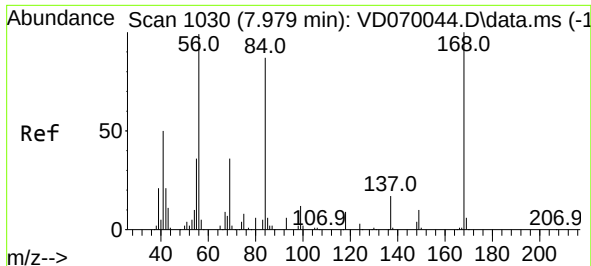
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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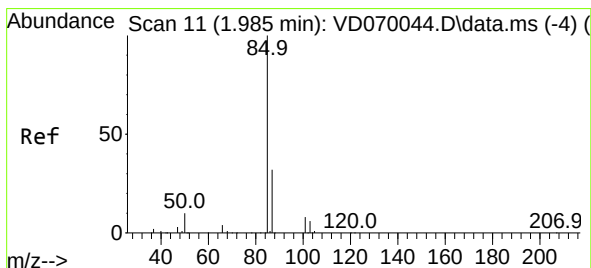
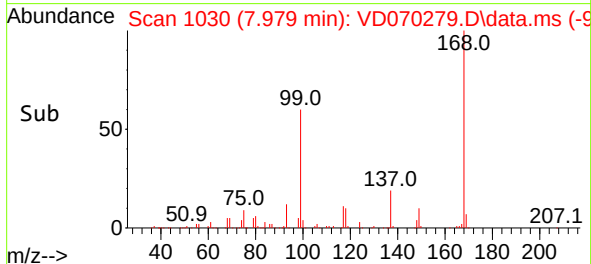
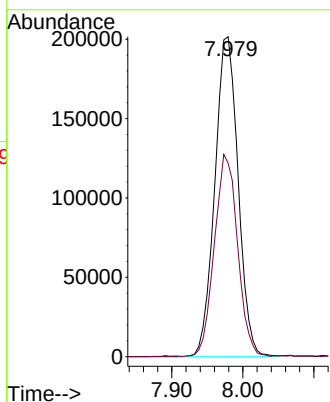
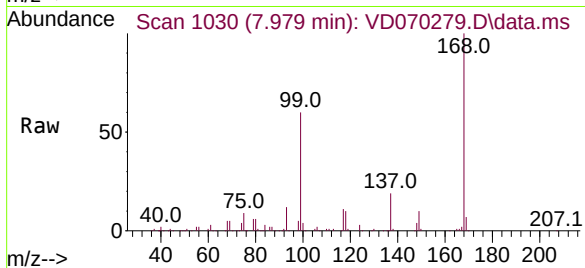




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.000 min
Lab File: VD070279.D
Acq: 31 Aug 2021 14:59

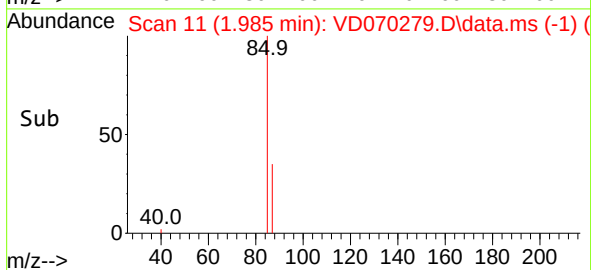
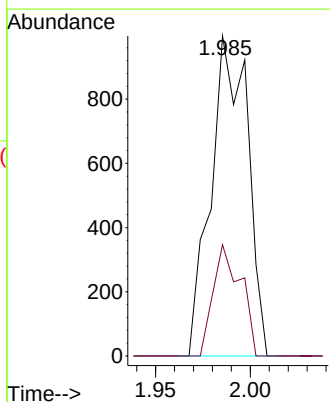
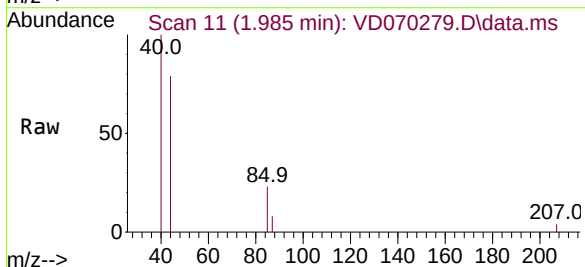
Instrument :
MSVOA_D
ClientSampleId :

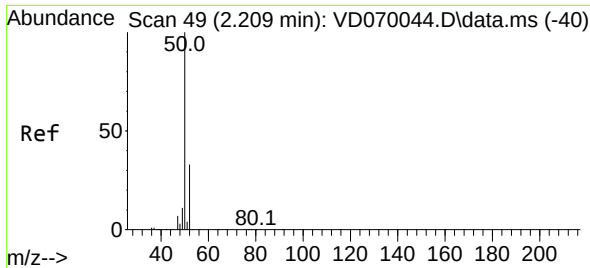
Tgt Ion:168 Resp: 458653
Ion Ratio Lower Upper
168 100
99 60.3 50.3 75.5



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.985 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD070279.D
Acq: 31 Aug 2021 14:59

Tgt Ion: 85 Resp: 1344
Ion Ratio Lower Upper
85 100
87 34.8 16.2 48.6

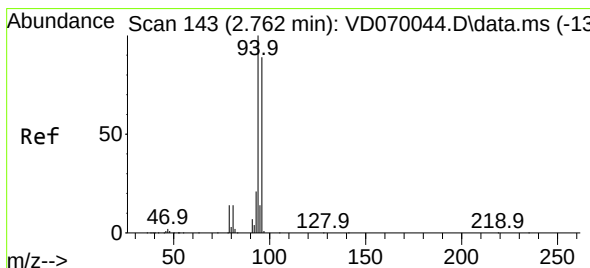
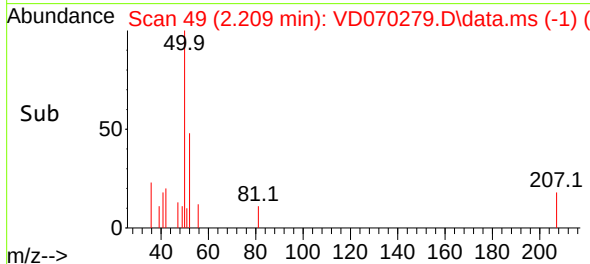
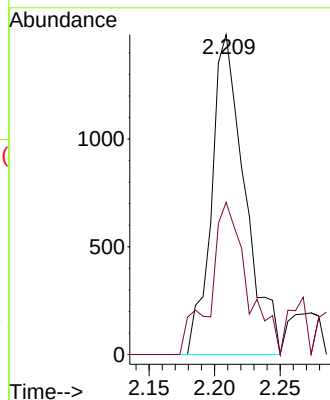
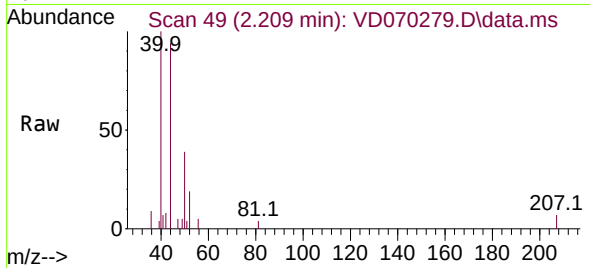




#3
Chloromethane
Concen: Below Cal
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070279.D
Acq: 31 Aug 2021 14:59

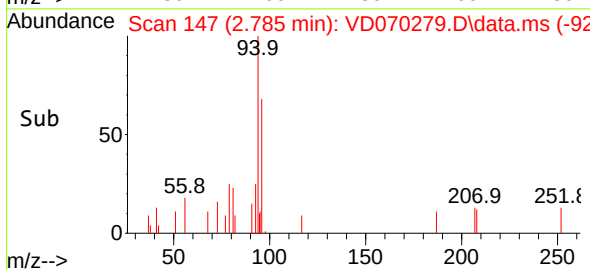
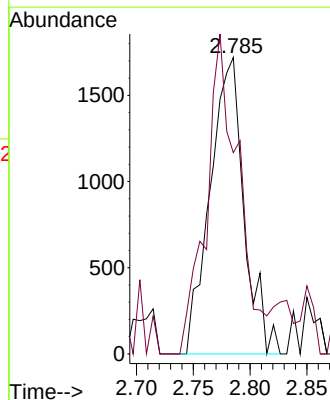
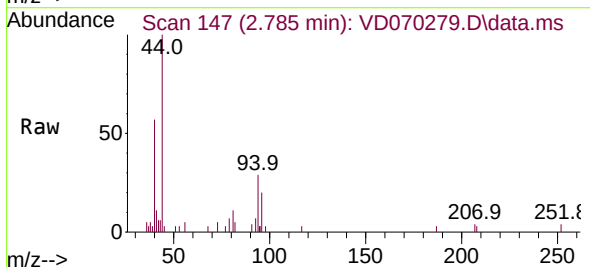
Instrument :
MSVOA_D
ClientSampled :

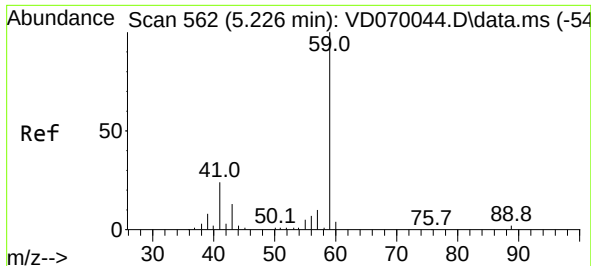
Tgt Ion: 50 Resp: 2618
Ion Ratio Lower Upper
50 100
52 47.6 26.3 39.5#



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.023 min
Lab File: VD070279.D
Acq: 31 Aug 2021 14:59

Tgt Ion: 94 Resp: 3575
Ion Ratio Lower Upper
94 100
96 67.8 70.9 106.3#



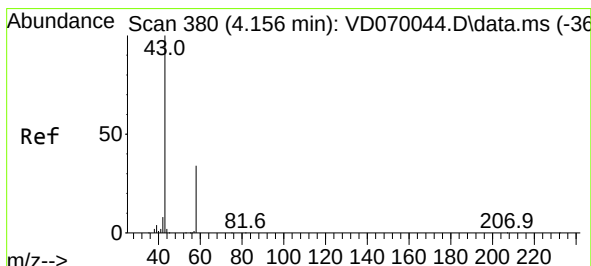
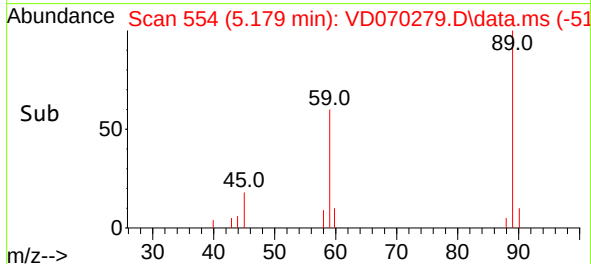
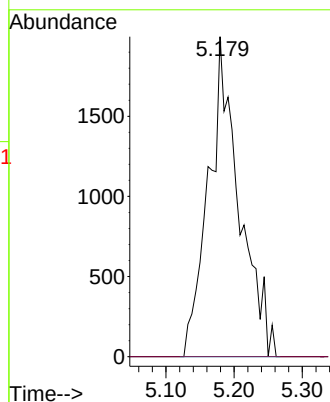
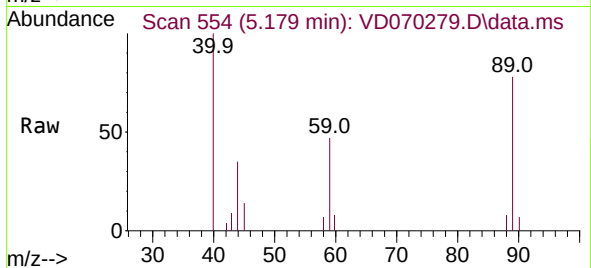


#11

Tert butyl alcohol
Concen: 21.039 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.047 min
Lab File: VD070279.D
Acq: 31 Aug 2021 14:59

Instrument :
MSVOA_D
ClientSampleId :

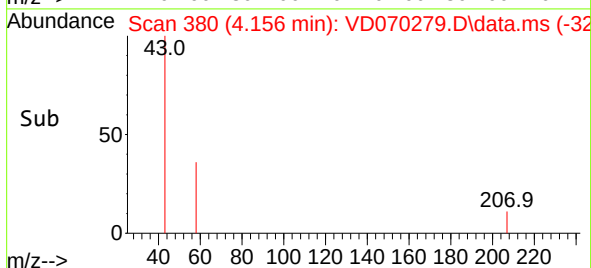
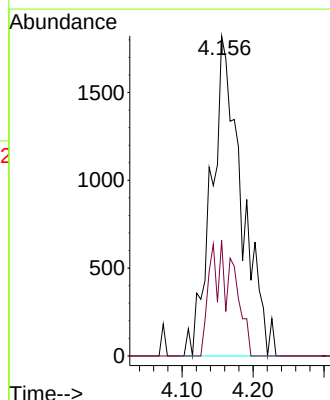
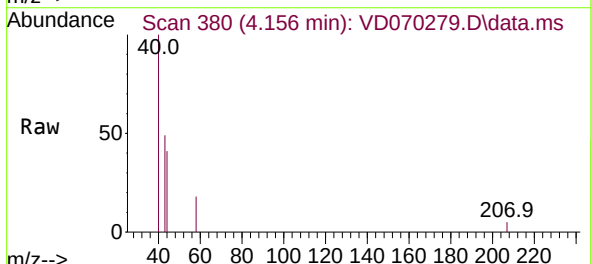
Tgt Ion: 59 Resp: 6273
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#

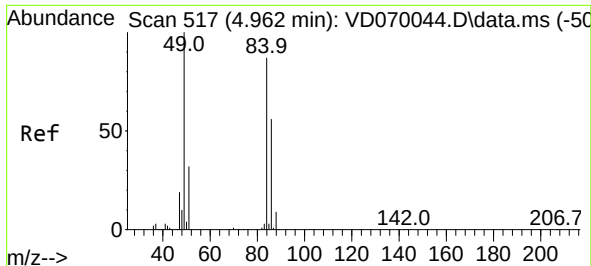


#16

Acetone
Concen: 5.383 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD070279.D
Acq: 31 Aug 2021 14:59

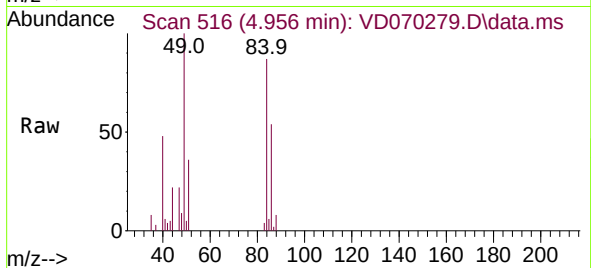
Tgt Ion: 43 Resp: 5349
Ion Ratio Lower Upper
43 100
58 36.1 26.8 40.2



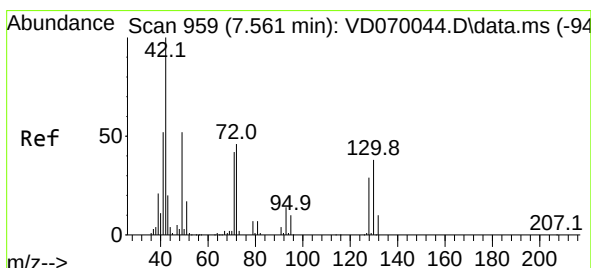
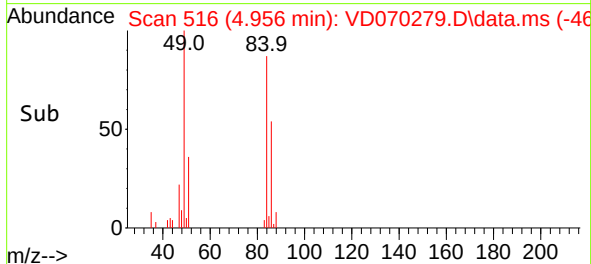
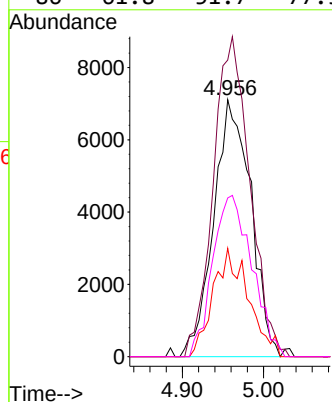


#20
Methylene Chloride
Concen: Below Cal
RT: 4.956 min Scan# 516
Delta R.T. -0.006 min
Lab File: VD070279.D
Acq: 31 Aug 2021 14:59

Instrument :
MSVOA_D
ClientSampleId :

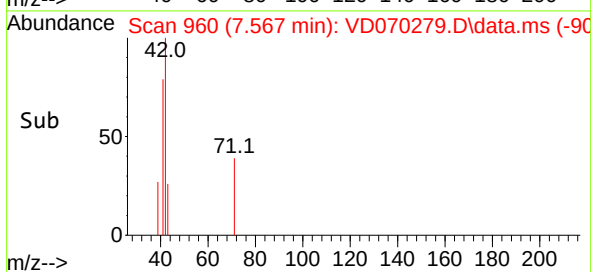
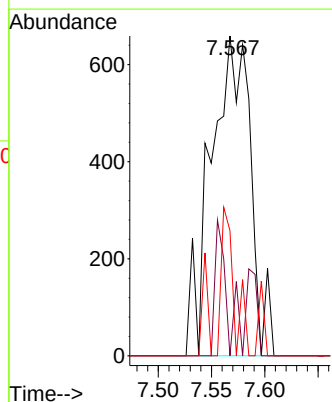
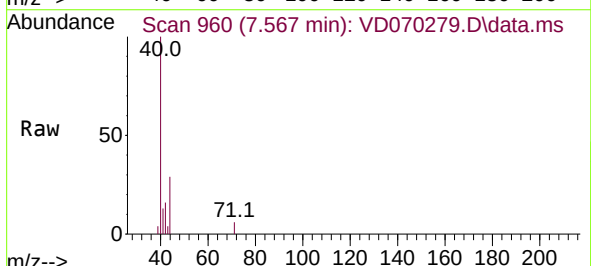


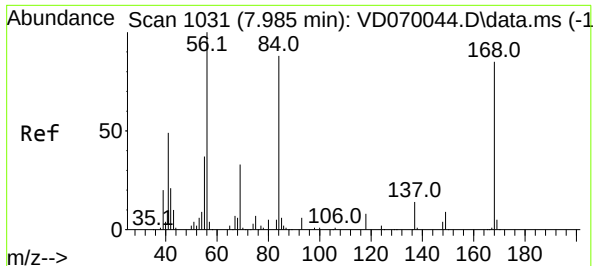
Tgt Ion:	84	Resp:	22580
Ion	Ratio	Lower	Upper
84	100		
49	115.4	92.5	138.7
51	42.1	29.7	44.5
86	61.8	51.7	77.5



#29
Tetrahydrofuran
Concen: 1.909 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.006 min
Lab File: VD070279.D
Acq: 31 Aug 2021 14:59

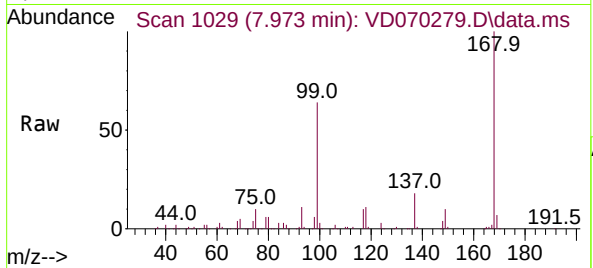
Tgt Ion:	42	Resp:	1697
Ion	Ratio	Lower	Upper
42	100		
72	10.0	37.5	56.3#
71	15.0	33.6	50.4#



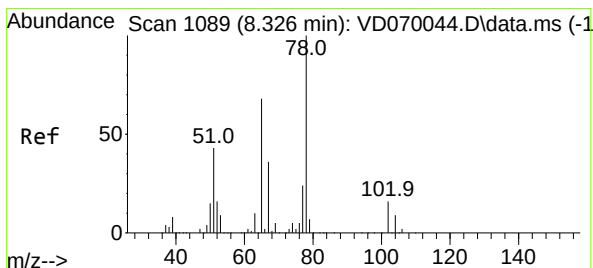
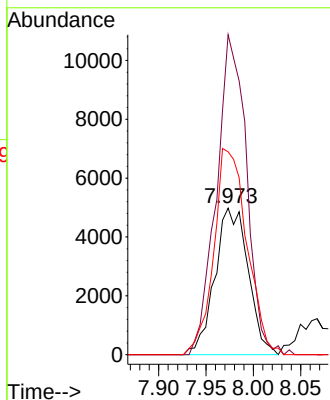
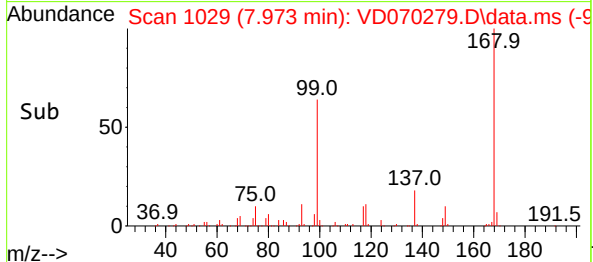


#31
Cyclohexane
Concen: 1.144 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD070279.D
Acq: 31 Aug 2021 14:59

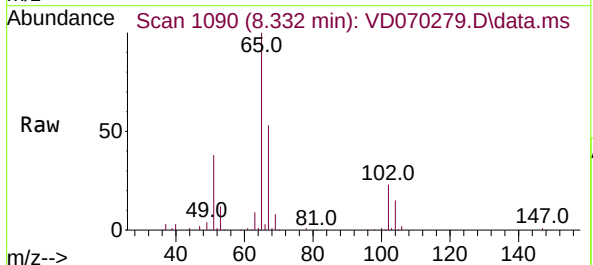
Instrument :
MSVOA_D
ClientSampleId :



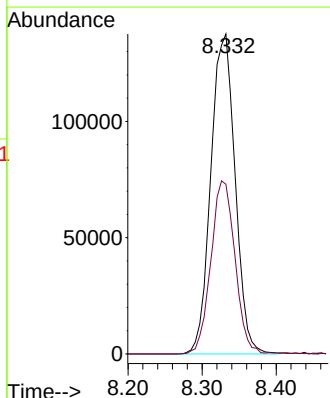
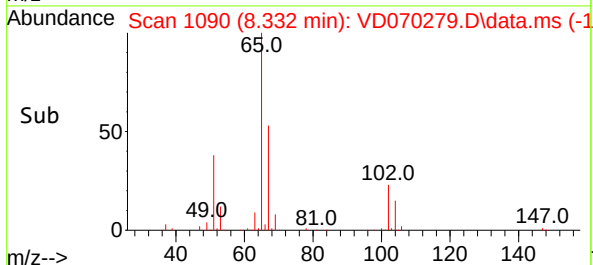
Tgt Ion: 56 Resp: 12214
Ion Ratio Lower Upper
56 100
69 218.2 26.7 40.1#
84 138.3 70.4 105.6#

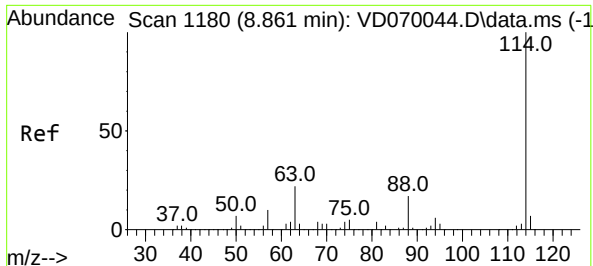


#33
1,2-Dichloroethane-d4
Concen: 58.110 ug/l
RT: 8.332 min Scan# 1090
Delta R.T. 0.006 min
Lab File: VD070279.D
Acq: 31 Aug 2021 14:59



Tgt Ion: 65 Resp: 313475
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070279.D

Acq: 31 Aug 2021 14:59

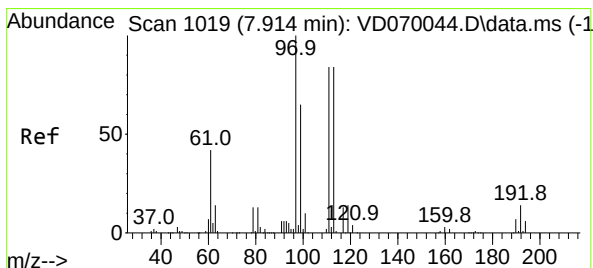
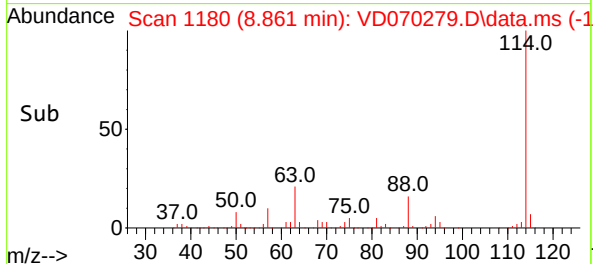
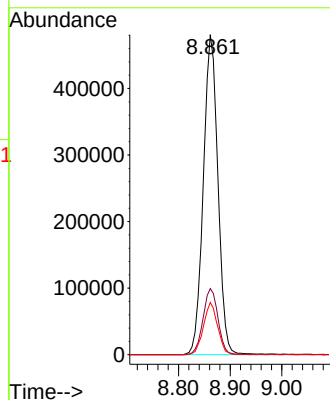
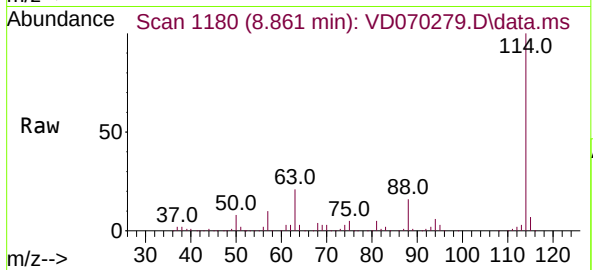
Tgt Ion:114 Resp: 943396

Ion Ratio Lower Upper

114 100

63 20.7 0.0 43.6

88 16.3 0.0 33.4



#35

Dibromofluoromethane

Concen: 50.586 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD070279.D

Acq: 31 Aug 2021 14:59

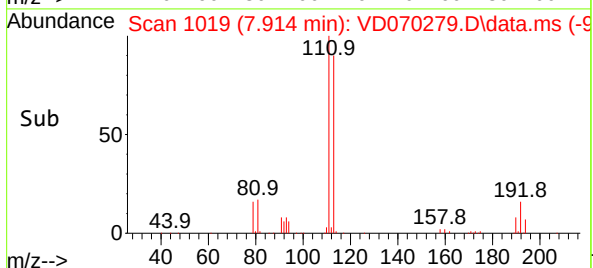
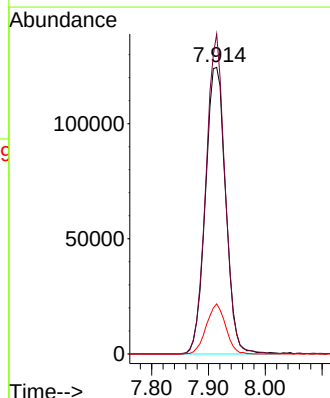
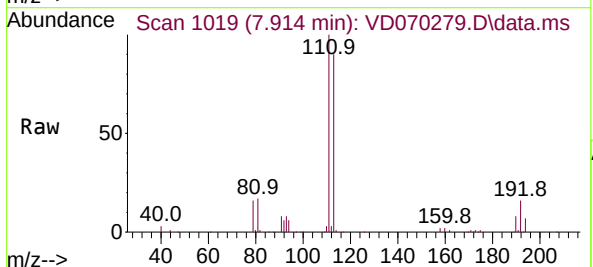
Tgt Ion:113 Resp: 308317

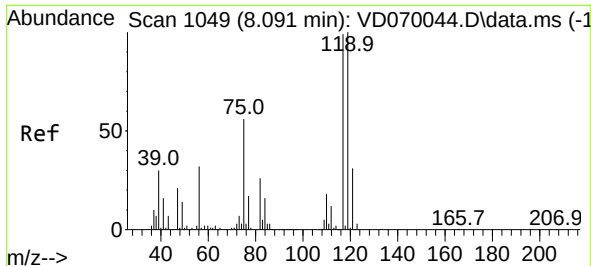
Ion Ratio Lower Upper

113 100

111 104.6 81.8 122.6

192 16.6 13.2 19.8

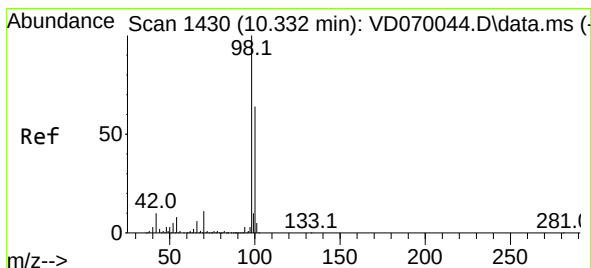
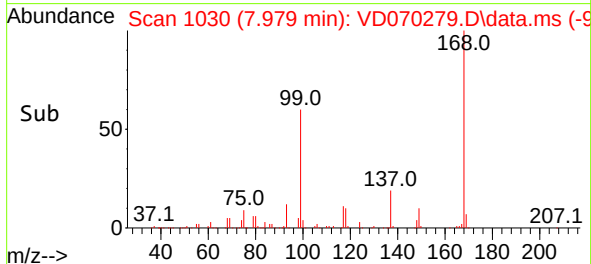
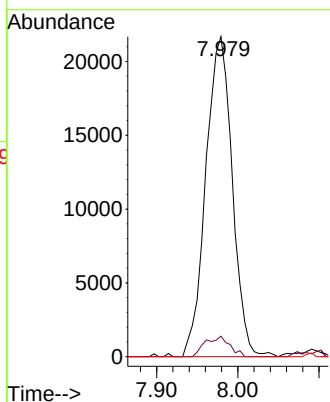
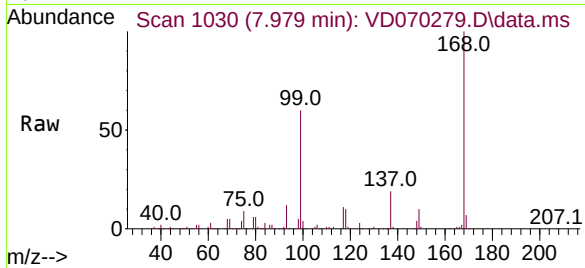




#38
Carbon Tetrachloride
Concen: 5.335 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.112 min
Lab File: VD070279.D
Acq: 31 Aug 2021 14:59

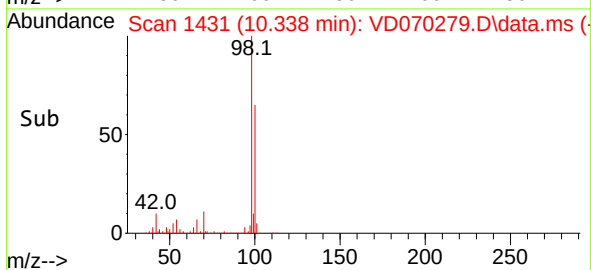
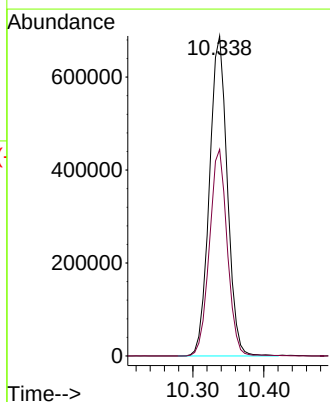
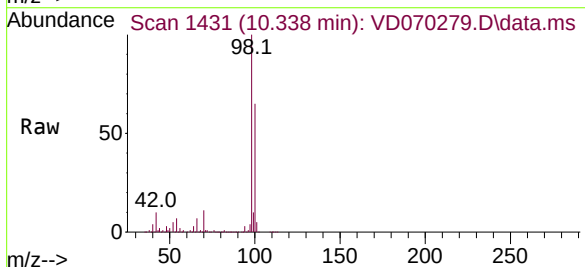
Instrument :
MSVOA_D
ClientSampleId :

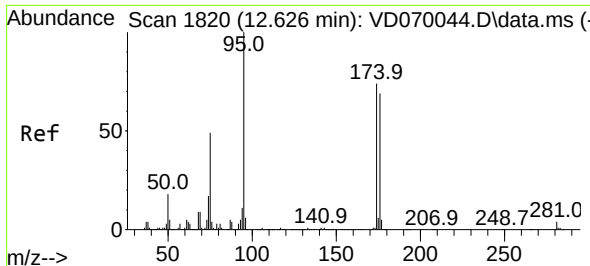
Tgt Ion:117 Resp: 49159
Ion Ratio Lower Upper
117 100
119 6.4 81.0 121.6#
121 0.0 25.0 37.6#



#50
Toluene-d8
Concen: 50.827 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.006 min
Lab File: VD070279.D
Acq: 31 Aug 2021 14:59

Tgt Ion: 98 Resp: 1204897
Ion Ratio Lower Upper
98 100
100 64.3 52.6 78.8

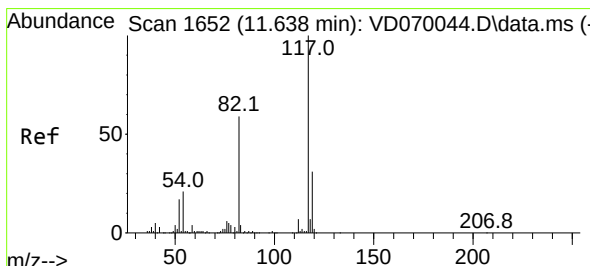
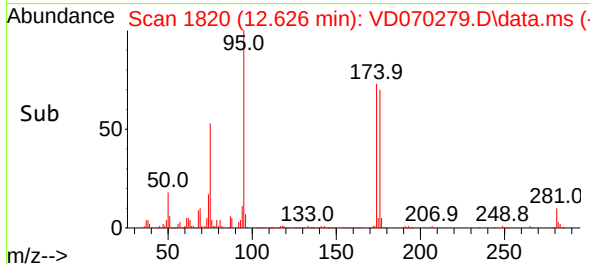
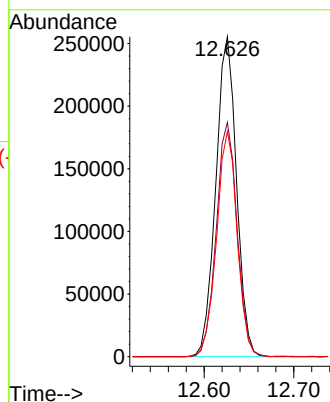
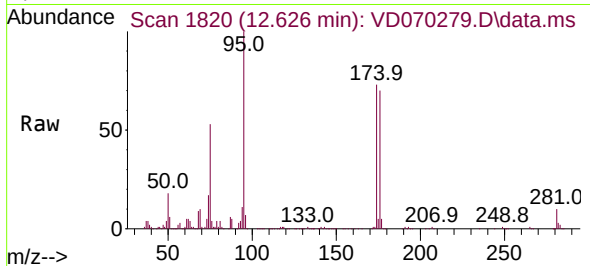




#62
4-Bromofluorobenzene
Concen: 52.481 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070279.D
Acq: 31 Aug 2021 14:59

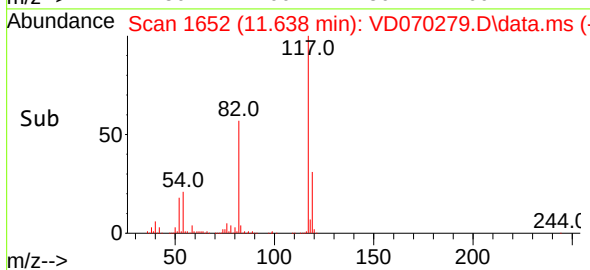
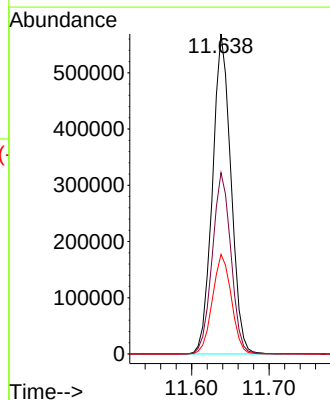
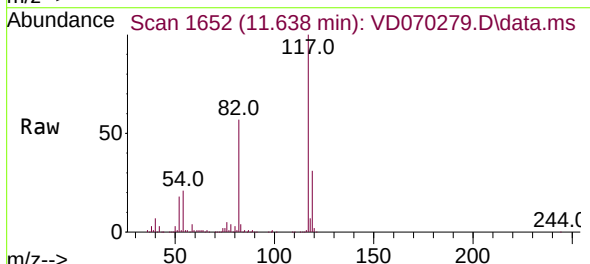
Instrument :
MSVOA_D
ClientSampleId :

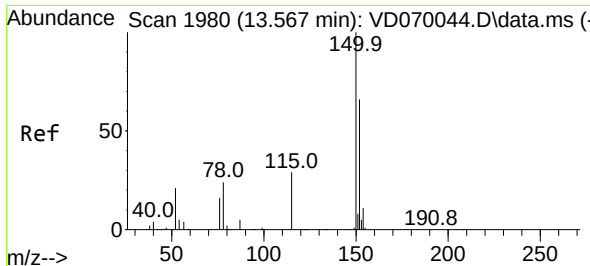
Tgt Ion: 95 Resp: 409778
Ion Ratio Lower Upper
95 100
174 73.6 0.0 141.6
176 69.8 0.0 138.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070279.D
Acq: 31 Aug 2021 14:59

Tgt Ion: 117 Resp: 944291
Ion Ratio Lower Upper
117 100
82 56.7 47.5 71.3
119 31.1 25.1 37.7

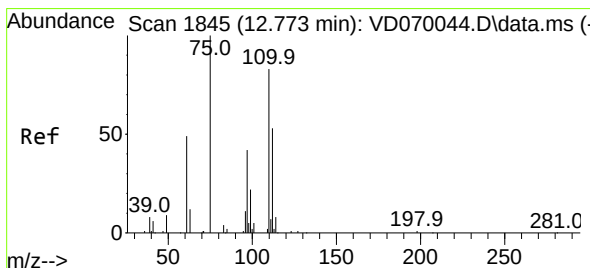
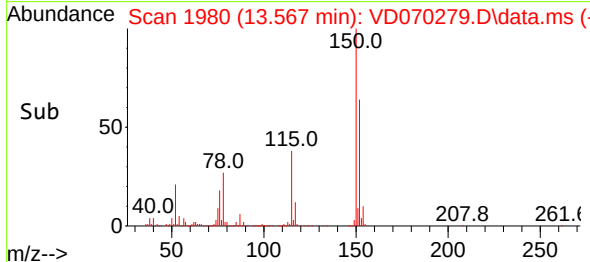
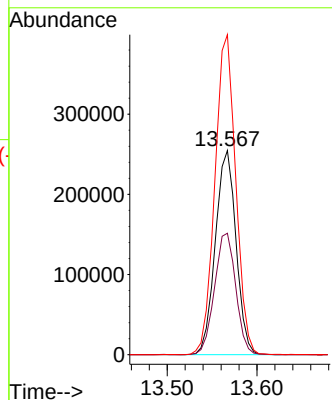
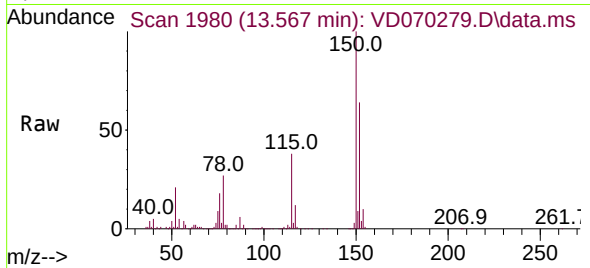




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. 0.000 min
 Lab File: VD070279.D
 Acq: 31 Aug 2021 14:59

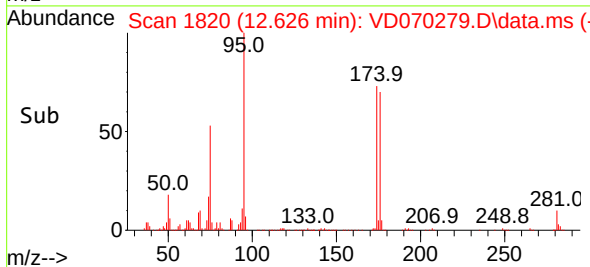
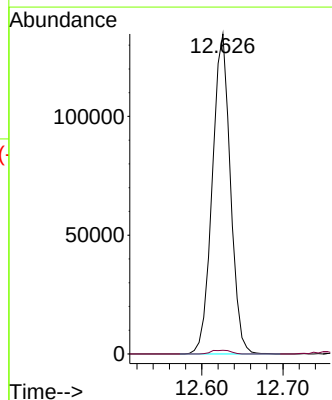
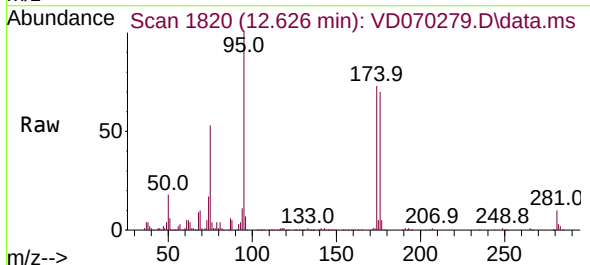
Instrument :
 MSVOA_D
 ClientSampleId :

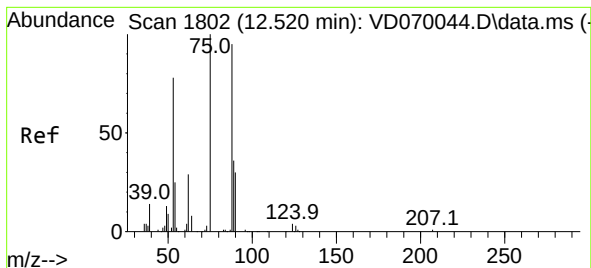
Tgt Ion:152 Resp: 408120
 Ion Ratio Lower Upper
 152 100
 115 61.0 31.2 93.6
 150 157.5 0.0 352.0



#76
 1,2,3-Trichloropropane
 Concen: 50.387 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD070279.D
 Acq: 31 Aug 2021 14:59

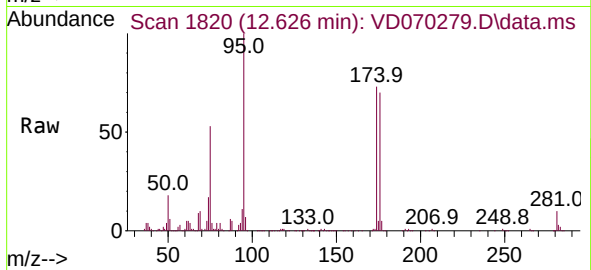
Tgt Ion: 75 Resp: 208546
 Ion Ratio Lower Upper
 75 100
 77 1.3 182.4 547.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.786 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. 0.106 min
 Lab File: VD070279.D
 Acq: 31 Aug 2021 14:59

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 208546
 Ion Ratio Lower Upper
 75 100
 53 0.3 64.5 96.7#
 89 0.1 33.7 50.5#

