

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051022\
 Data File : VD072916.D
 Acq On : 10 May 2022 16:03
 Operator : VA/SY
 Sample : N2738-03
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 2474

Quant Time: May 11 05:51:59 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

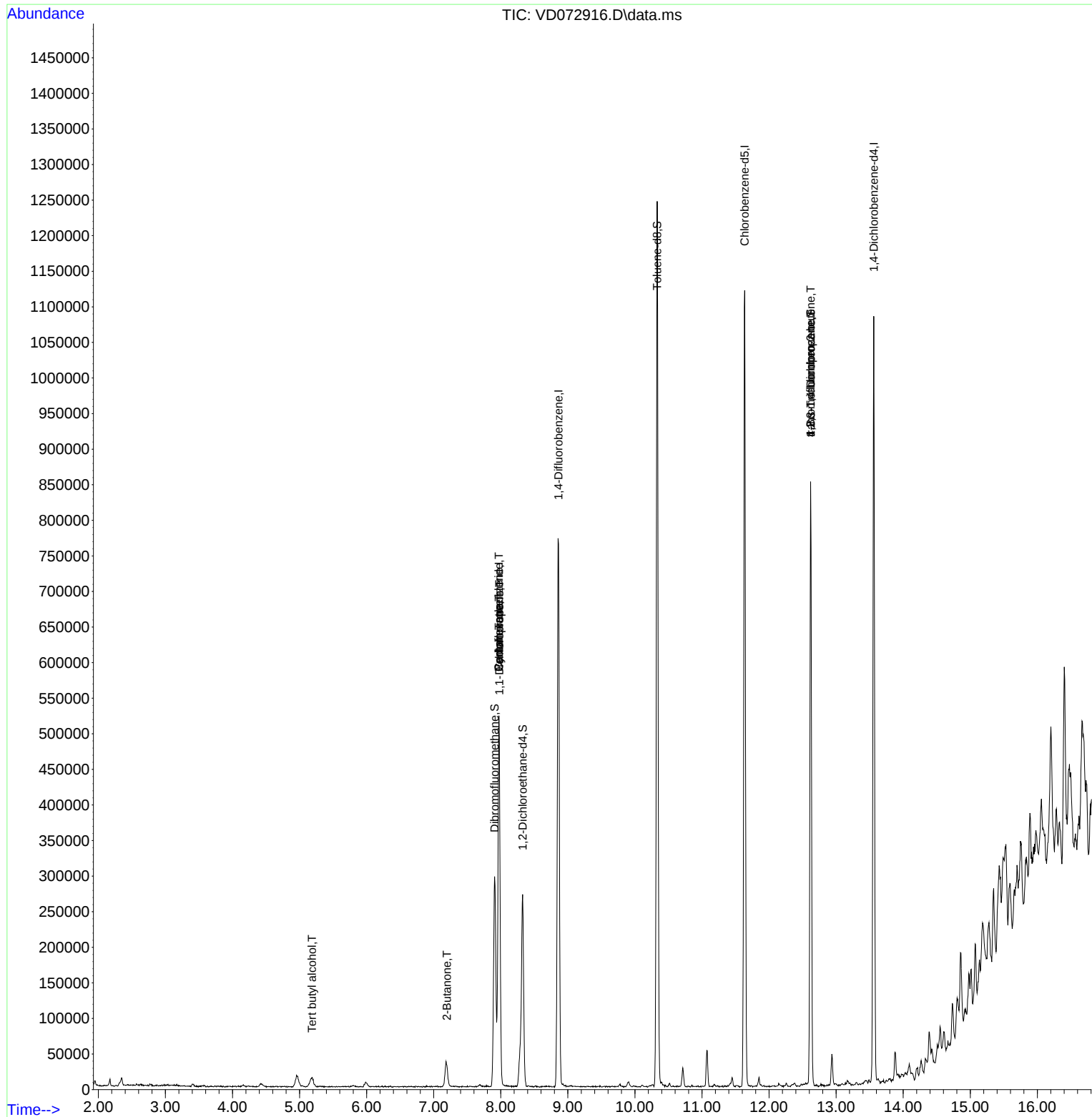
Internal Standards						
1) Pentafluorobenzene	7.973	168	357978	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	668537	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	631828	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	271233	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	207412	44.635	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	89.280%		
35) Dibromofluoromethane	7.908	113	221142	47.100	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.200%		
50) Toluene-d8	10.332	98	807215	47.928	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	95.860%		
62) 4-Bromofluorobenzene	12.620	95	283333	45.117	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.240%		
Target Compounds						
5) Bromomethane	2.785	94	947	Below Cal	Qvalue	92
11) Tert butyl alcohol	5.185	59	12250	30.469 ug/l #		74
16) Acetone	4.161	43	4199	Below Cal #		83
18) Methyl Acetate	4.714	43	56	Below Cal #		55
20) Methylene Chloride	4.973	84	11837	Below Cal #		83
25) 2-Butanone	7.196	43	2098	1.550 ug/l #		52
31) Cyclohexane	7.973	56	9137	1.125 ug/l #		10
36) 1,1-Dichloropropene	7.979	75	31143	4.079 ug/l #		52
38) Carbon Tetrachloride	7.973	117	38209	4.821 ug/l #		17
76) 1,2,3-Trichloropropane	12.620	75	144821	47.884 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	144821	110.113 ug/l #		7

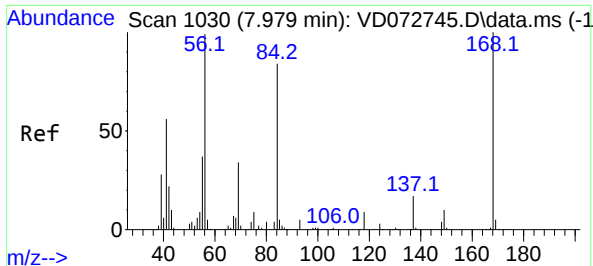
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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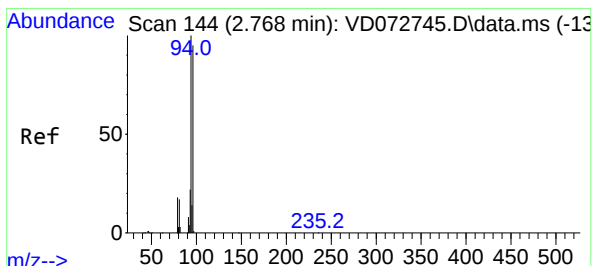
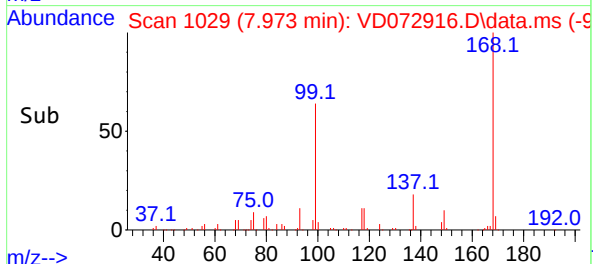
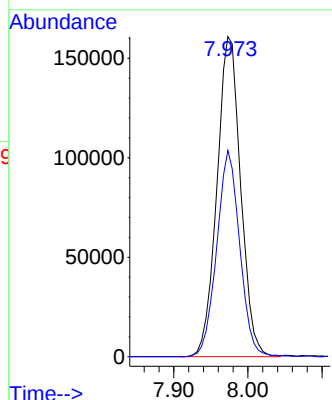
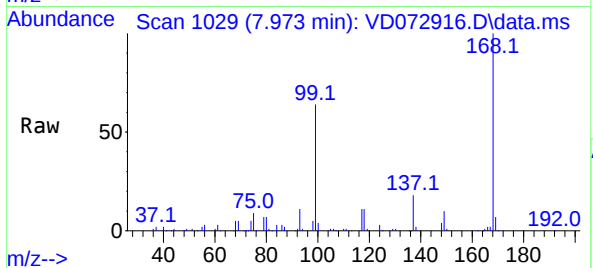




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD072916.D
Acq: 10 May 2022 16:03

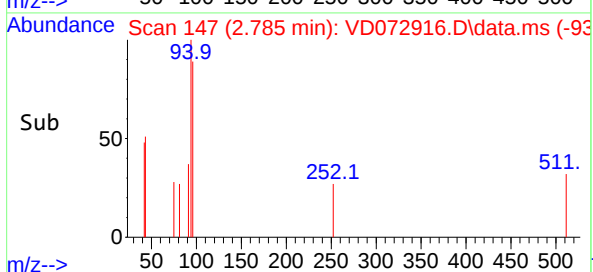
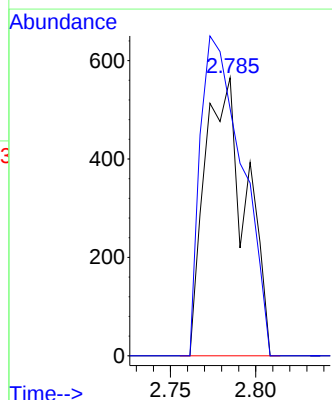
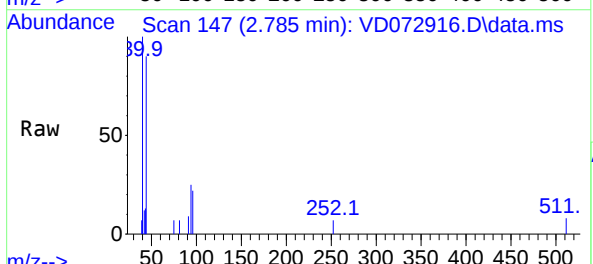
Instrument :
MSVOA_D
ClientSampleId :
2474

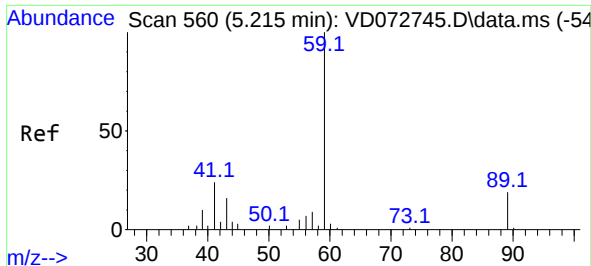
Tgt Ion:168 Resp: 357978
Ion Ratio Lower Upper
168 100
99 64.5 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.785 min Scan# 147
Delta R.T. 0.017 min
Lab File: VD072916.D
Acq: 10 May 2022 16:03

Tgt Ion: 94 Resp: 947
Ion Ratio Lower Upper
94 100
96 88.8 77.6 116.4

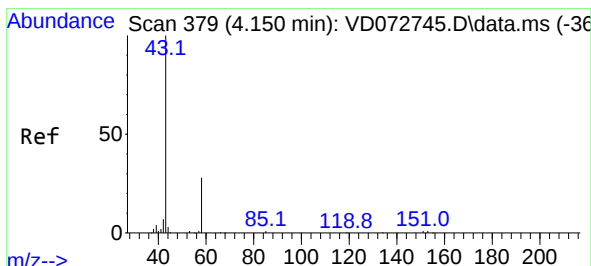
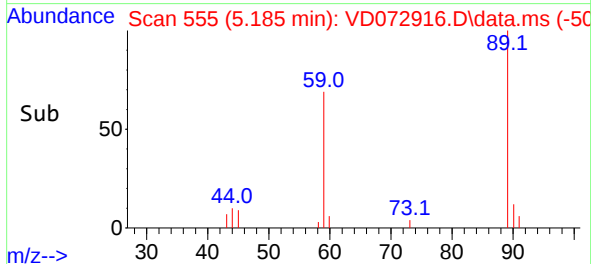
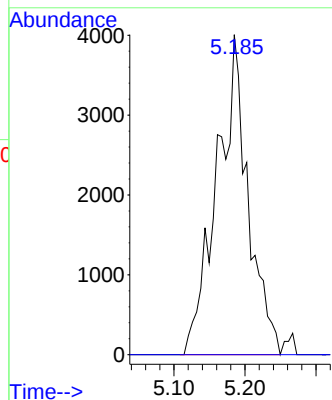
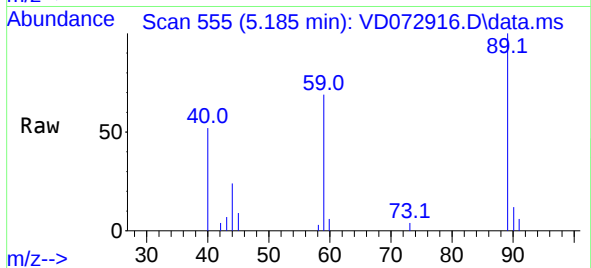




#11
Tert butyl alcohol
Concen: 30.469 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.030 min
Lab File: VD072916.D
Acq: 10 May 2022 16:03

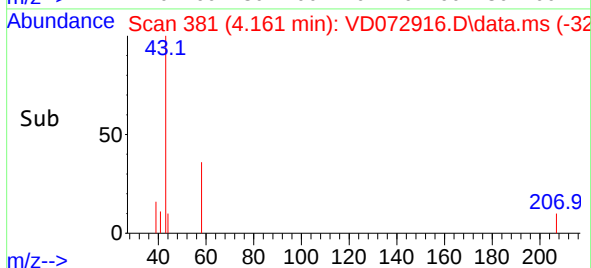
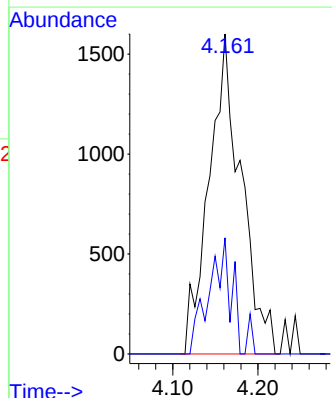
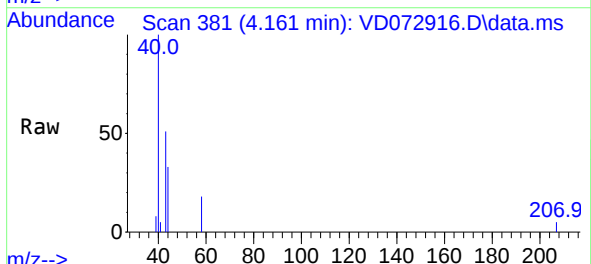
Instrument :
MSVOA_D
ClientSampleId :
2474

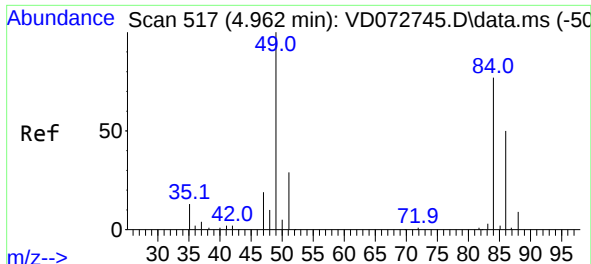
Tgt Ion: 59 Resp: 12250
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: Below Cal
RT: 4.161 min Scan# 381
Delta R.T. 0.011 min
Lab File: VD072916.D
Acq: 10 May 2022 16:03

Tgt Ion: 43 Resp: 4199
Ion Ratio Lower Upper
43 100
58 36.3 22.1 33.1#



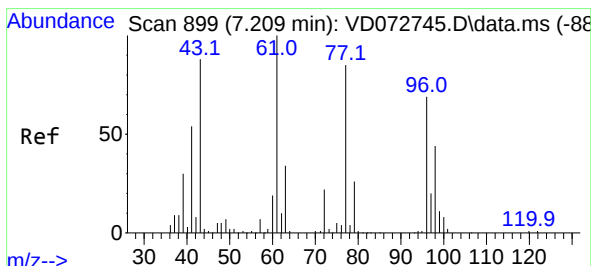
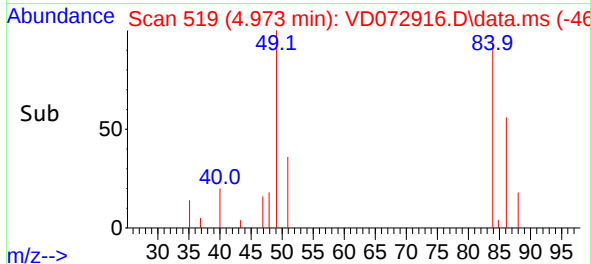
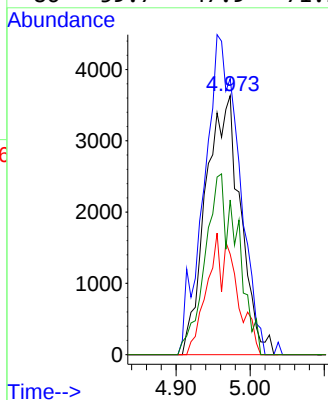
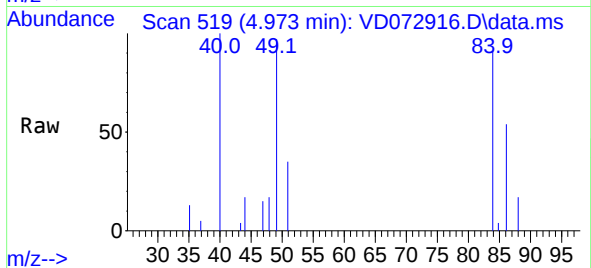


#20
Methylene Chloride
Concen: Below Cal
RT: 4.973 min Scan# 51
Delta R.T. 0.011 min
Lab File: VD072916.D
Acq: 10 May 2022 16:03

Instrument :
MSVOA_D
ClientSampleId :
2474

Tgt Ion: 84 Resp: 11837

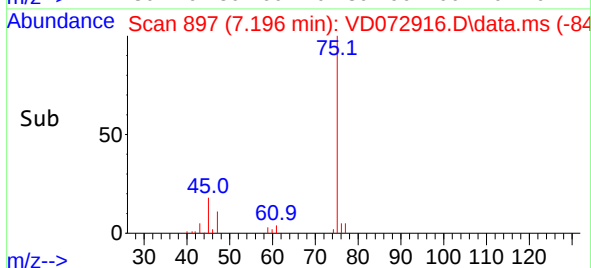
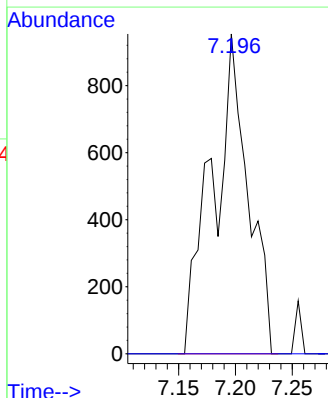
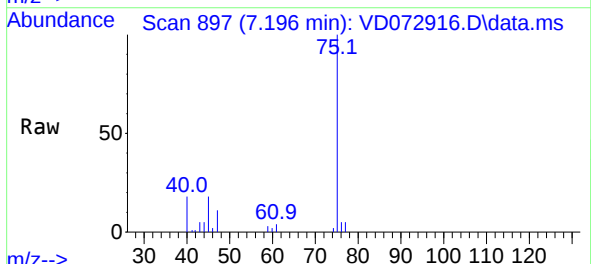
Ion	Ratio	Lower	Upper
84	100		
49	106.5	112.8	169.2#
51	38.8	32.6	48.8
86	59.7	47.9	71.9

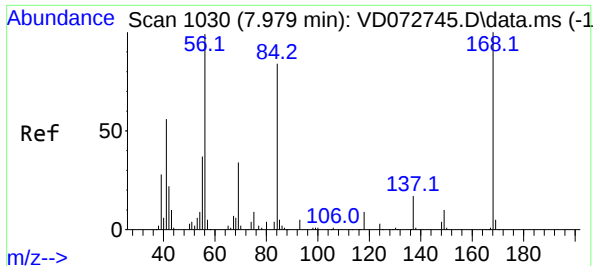


#25
2-Butanone
Concen: 1.550 ug/l
RT: 7.196 min Scan# 897
Delta R.T. -0.013 min
Lab File: VD072916.D
Acq: 10 May 2022 16:03

Tgt Ion: 43 Resp: 2098

Ion	Ratio	Lower	Upper
43	100		
72	0.0	18.6	27.8#





#31

Cyclohexane

Concen: 1.125 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD072916.D

Acq: 10 May 2022 16:03

Instrument :

MSVOA_D

ClientSampleId :

2474

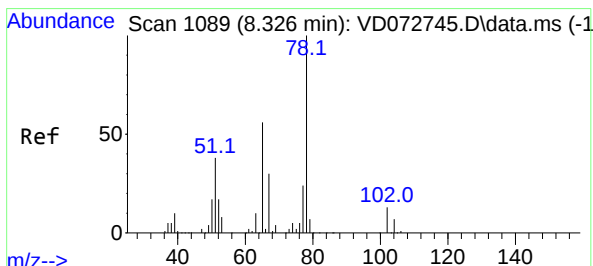
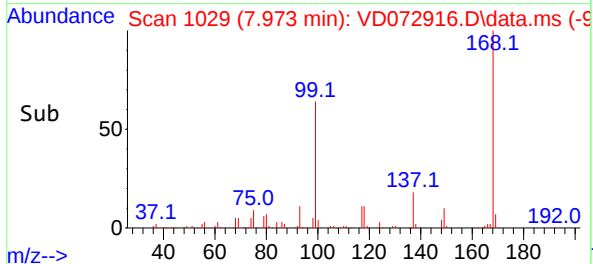
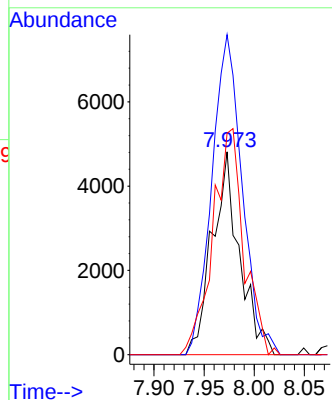
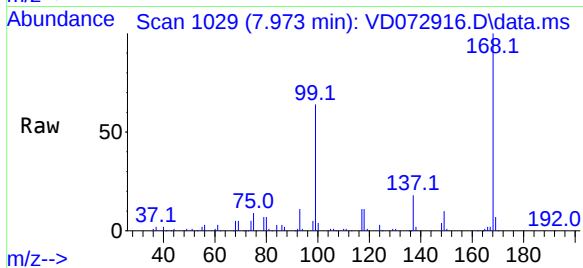
Tgt Ion: 56 Resp: 9137

Ion Ratio Lower Upper

56 100

69 157.7 25.4 38.2#

84 109.1 63.0 94.4#



#33

1,2-Dichloroethane-d4

Concen: 44.635 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072916.D

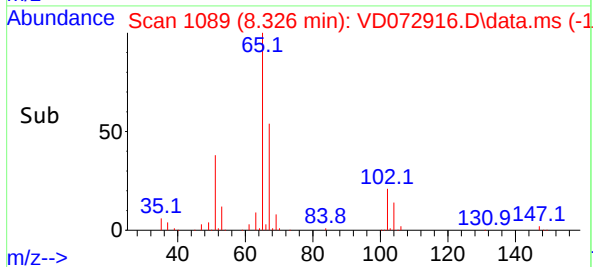
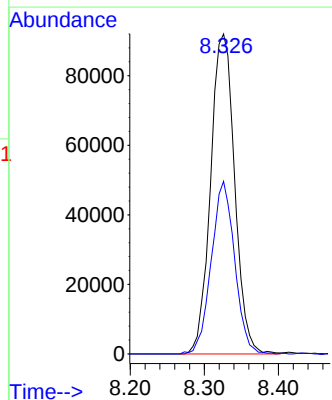
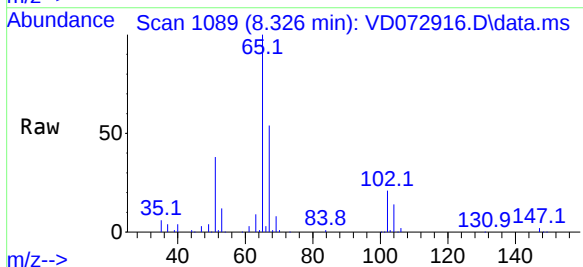
Acq: 10 May 2022 16:03

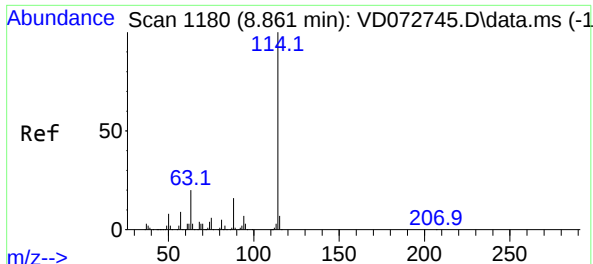
Tgt Ion: 65 Resp: 207412

Ion Ratio Lower Upper

65 100

67 52.3 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: VD072916.D

Acq: 10 May 2022 16:03

Instrument :

MSVOA_D

ClientSampleId :

2474

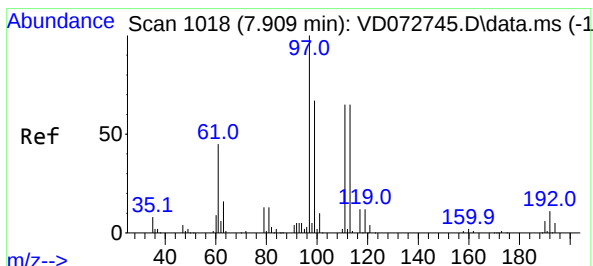
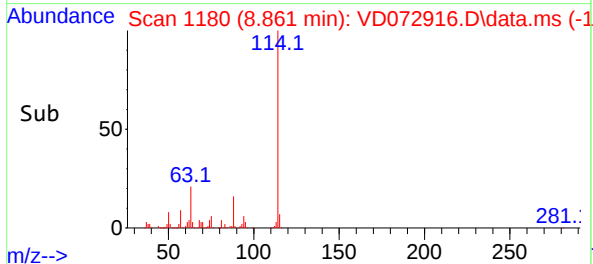
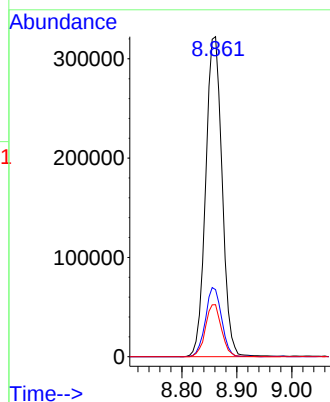
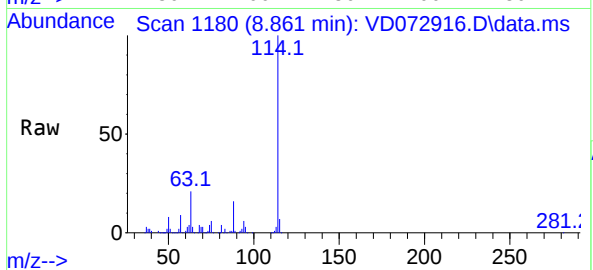
Tgt Ion:114 Resp: 668537

Ion Ratio Lower Upper

114 100

63 20.9 0.0 46.6

88 16.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.100 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.001 min

Lab File: VD072916.D

Acq: 10 May 2022 16:03

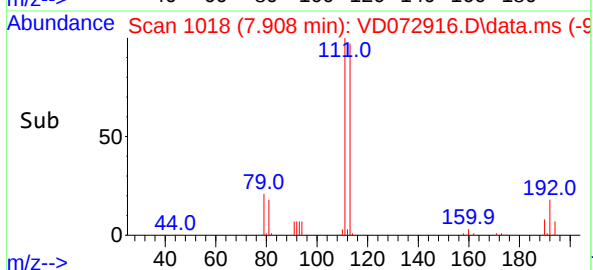
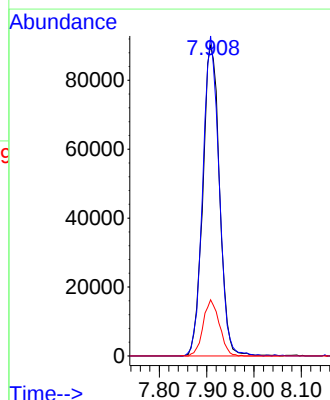
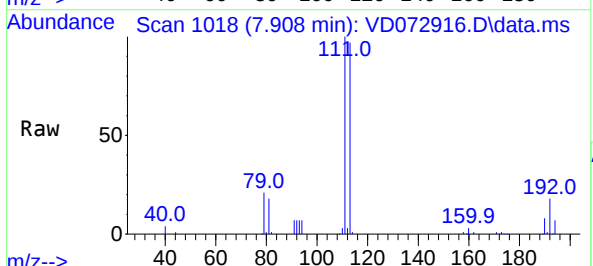
Tgt Ion:113 Resp: 221142

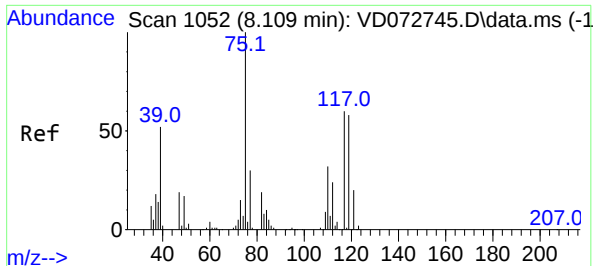
Ion Ratio Lower Upper

113 100

111 100.2 83.8 125.6

192 17.6 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.079 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.130 min

Lab File: VD072916.D

Acq: 10 May 2022 16:03

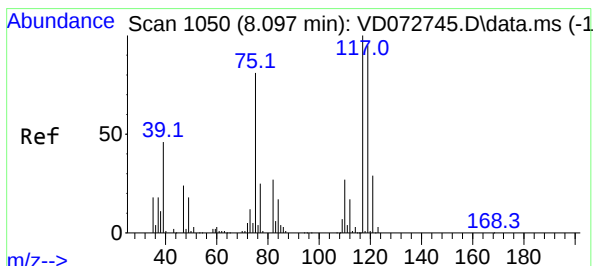
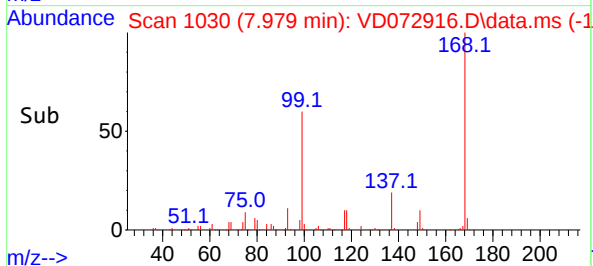
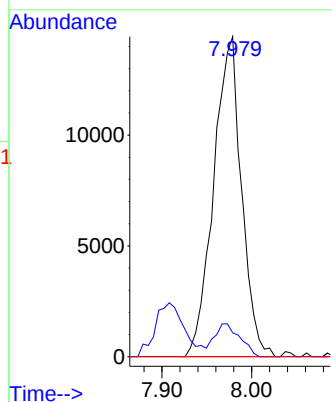
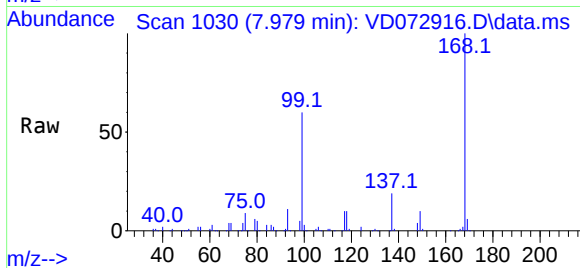
Instrument :

MSVOA_D

ClientSampleId :

2474

Tgt Ion:	75	Resp:	31143
Ion	Ratio	Lower	Upper
75	100		
110	9.3	16.4	49.1#
77	0.0	24.2	36.2#



#38

Carbon Tetrachloride

Concen: 4.821 ug/l

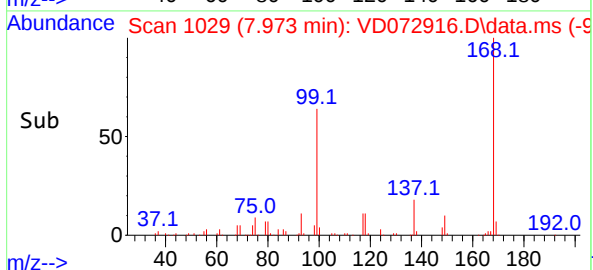
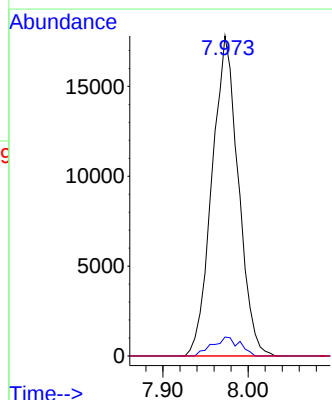
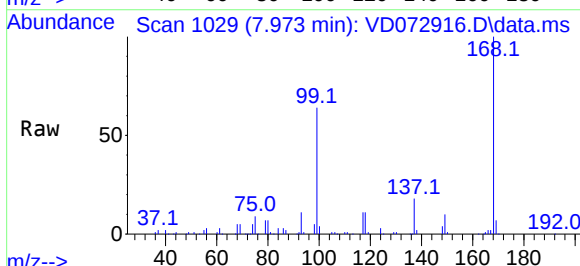
RT: 7.973 min Scan# 1029

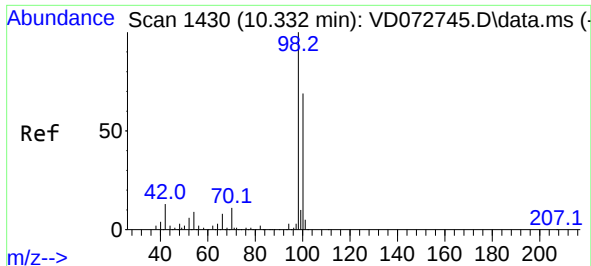
Delta R.T. -0.124 min

Lab File: VD072916.D

Acq: 10 May 2022 16:03

Tgt Ion:	117	Resp:	38209
Ion	Ratio	Lower	Upper
117	100		
119	5.9	75.8	113.6#
121	0.0	24.5	36.7#

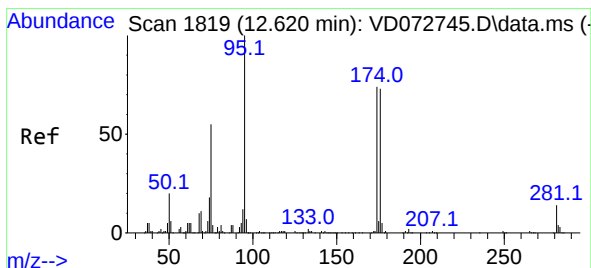
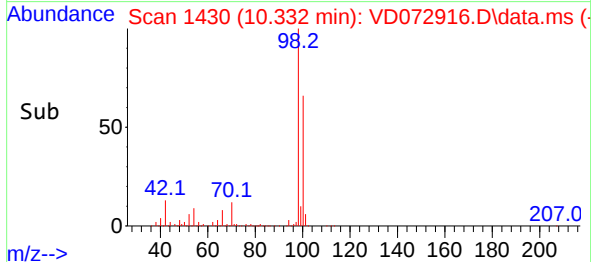
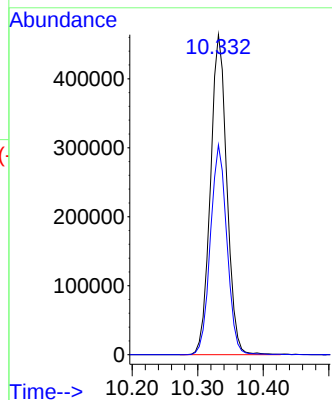
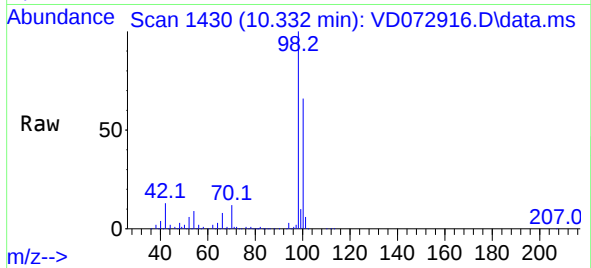




#50
Toluene-d8
Concen: 47.928 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072916.D
Acq: 10 May 2022 16:03

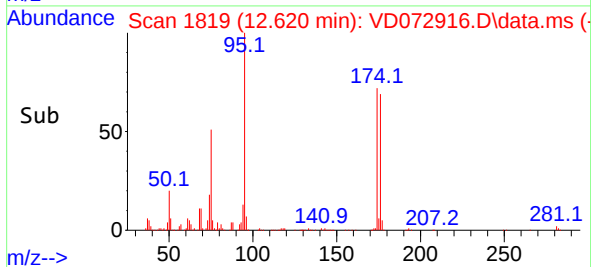
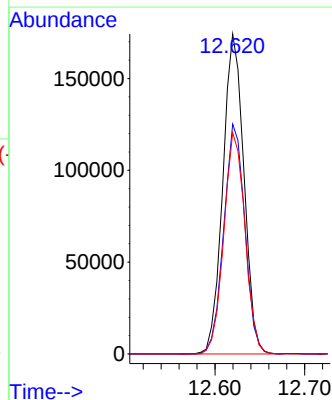
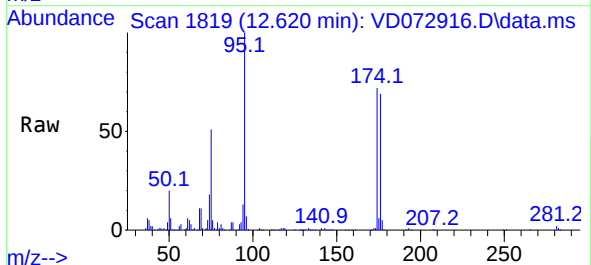
Instrument :
MSVOA_D
ClientSampleId :
2474

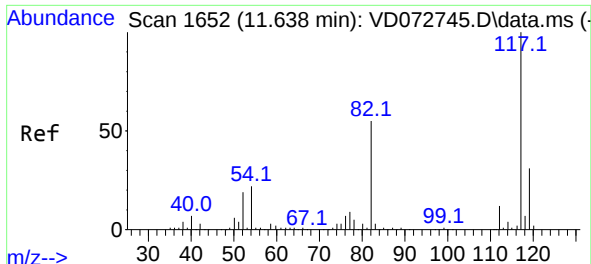
Tgt Ion: 98 Resp: 807215
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 45.117 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD072916.D
Acq: 10 May 2022 16:03

Tgt Ion: 95 Resp: 283333
Ion Ratio Lower Upper
95 100
174 72.1 0.0 152.8
176 69.5 0.0 145.4

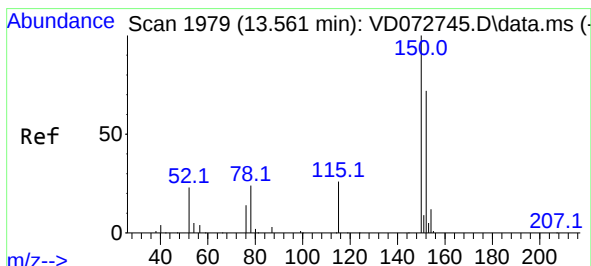
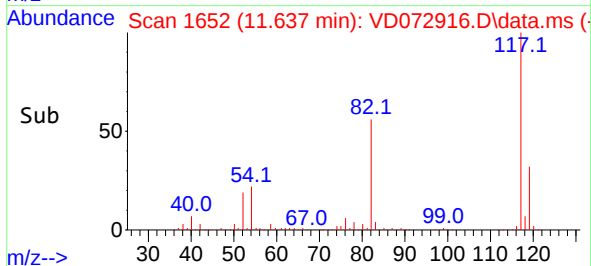
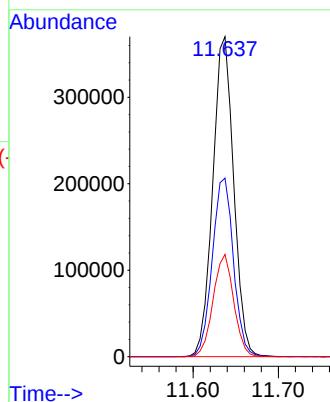
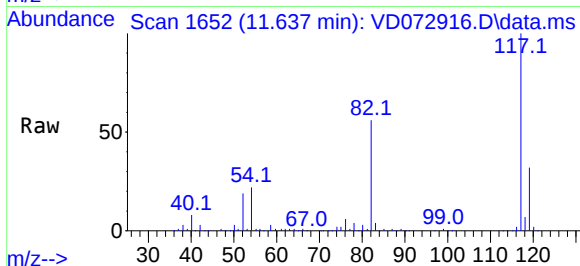




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 117
Delta R.T. -0.001 min
Lab File: VD072916.D
Acq: 10 May 2022 16:03

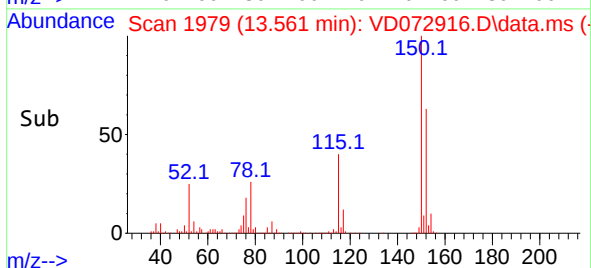
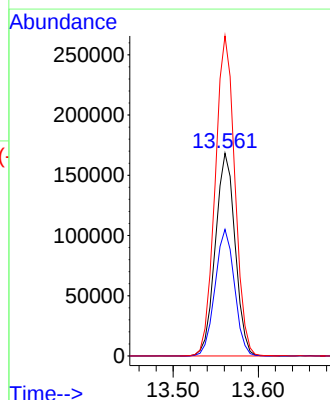
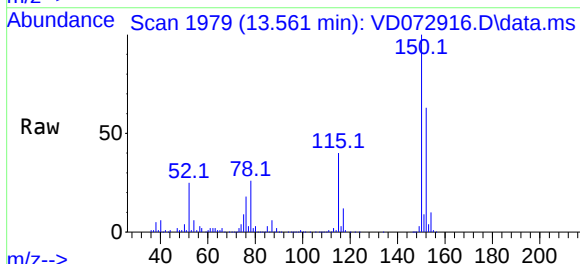
Instrument :
MSVOA_D
ClientSampleId :
2474

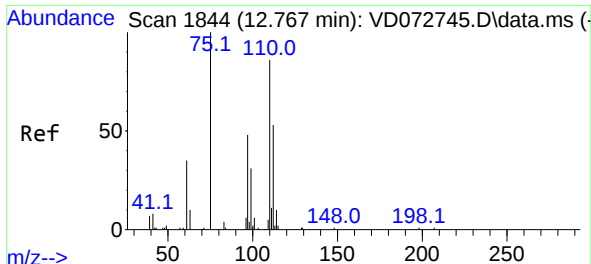
Tgt Ion:117 Resp: 631828
Ion Ratio Lower Upper
117 100
82 55.7 45.3 67.9
119 32.0 26.6 40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VD072916.D
Acq: 10 May 2022 16:03

Tgt Ion:152 Resp: 271233
Ion Ratio Lower Upper
152 100
115 61.4 31.3 93.8
150 157.6 0.0 348.6

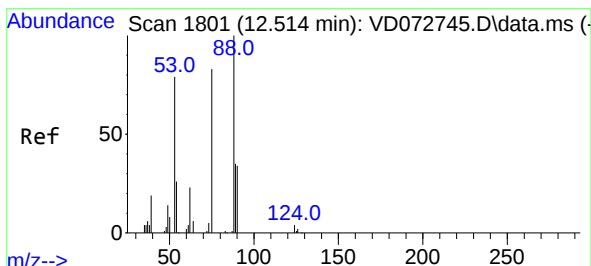
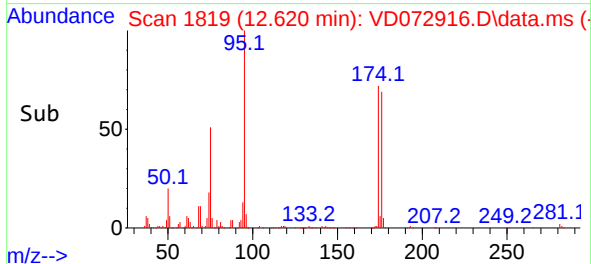
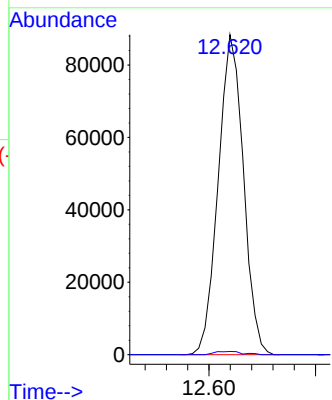
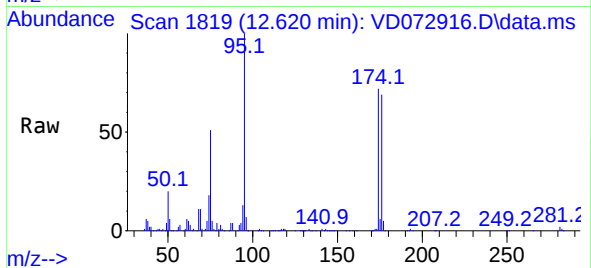




#76
1,2,3-Trichloropropane
Concen: 47.884 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD072916.D
Acq: 10 May 2022 16:03

Instrument :
MSVOA_D
ClientSampleId :
2474

Tgt Ion: 75 Resp: 144821
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 110.113 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD072916.D
Acq: 10 May 2022 16:03

Tgt Ion: 75 Resp: 144821
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#

