

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD040422\
 Data File : VD072518.D
 Acq On : 04 Apr 2022 14:59
 Operator : VA/SY
 Sample : N2227-03
 Misc : 4.12G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 124035

Quant Time: Apr 05 03:20:05 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D032922S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 30 02:44:36 2022
 Response via : Initial Calibration

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

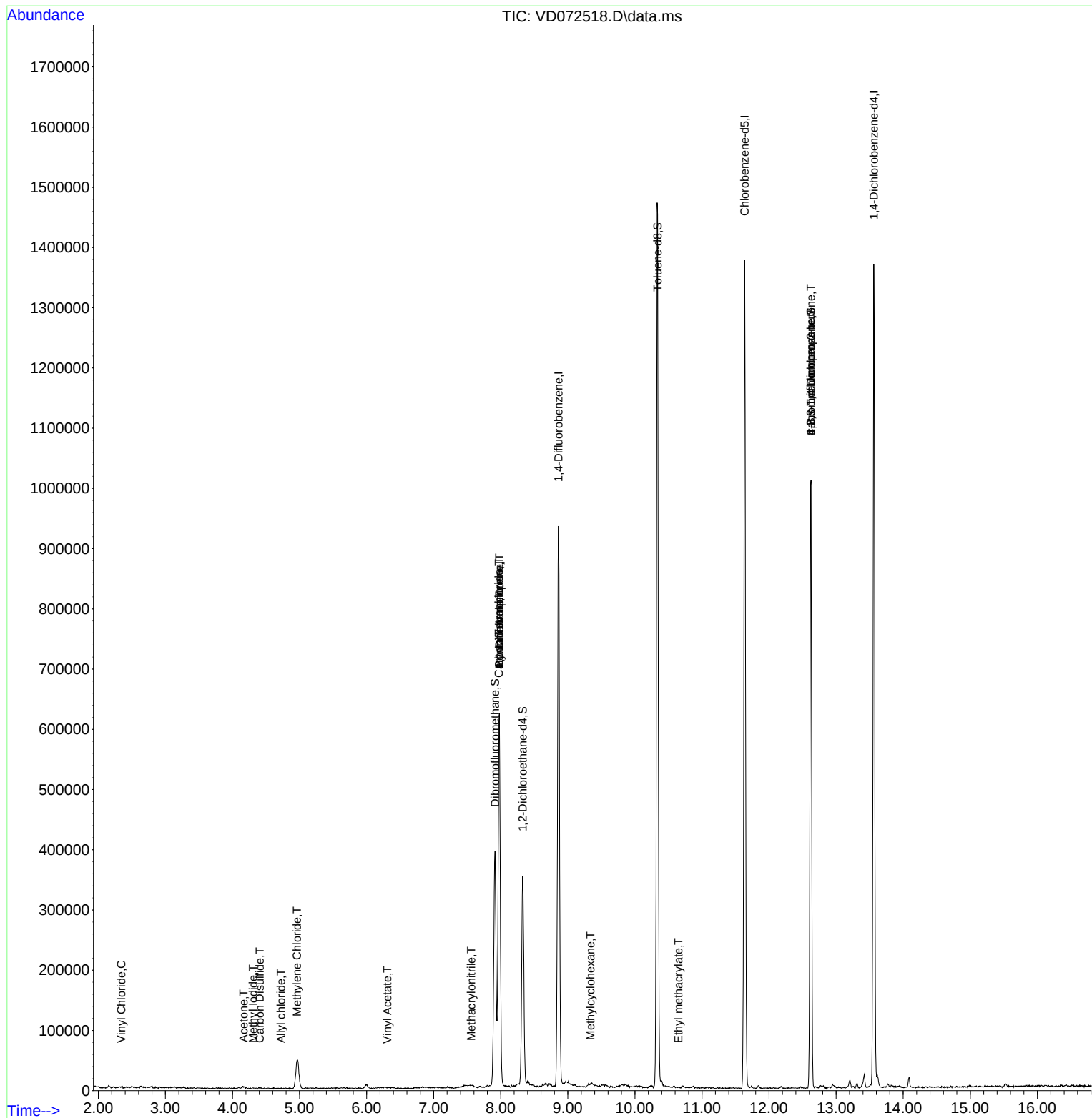
Internal Standards						
1) Pentafluorobenzene	7.979	168	444387	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	823904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	788826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	358035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	270157	50.255	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.500%			
35) Dibromofluoromethane	7.914	113	280881	43.868	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 87.740%			
50) Toluene-d8	10.338	98	1010857	45.418	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.840%			
62) 4-Bromofluorobenzene	12.626	95	345066	39.698	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 79.400%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.344	62	407	1.057	ug/l #	43
10) Methyl Iodide	4.309	142	1164	3.957	ug/l #	55
14) Allyl chloride	4.726	41	59	1.135	ug/l #	19
16) Acetone	4.167	43	5108	5.096	ug/l	97
17) Carbon Disulfide	4.409	76	2085	3.850	ug/l #	90
20) Methylene Chloride	4.961	84	38799	6.502	ug/l #	84
23) Vinyl Acetate	6.308	43	62	6.296	ug/l #	75
31) Cyclohexane	7.979	56	10344	1.472	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	36269	5.457	ug/l #	50
38) Carbon Tetrachloride	7.973	117	48491	5.497	ug/l #	19
39) Methylcyclohexane	9.338	83	492	2.925	ug/l #	51
41) Methacrylonitrile	7.561	41	56	1.685	ug/l #	27
56) Ethyl methacrylate	10.649	69	187	1.221	ug/l #	74
76) 1,2,3-Trichloropropane	12.626	75	176291	45.145	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	176291	110.778	ug/l #	7

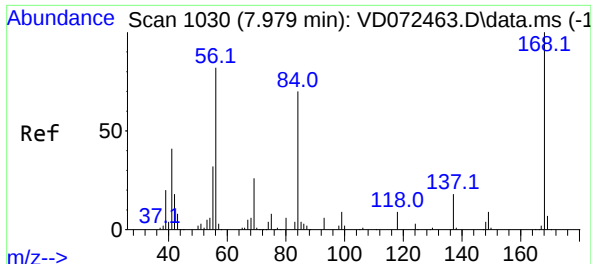
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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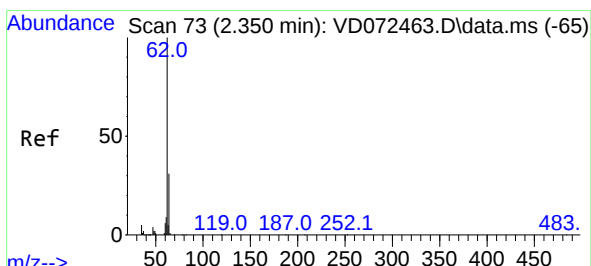
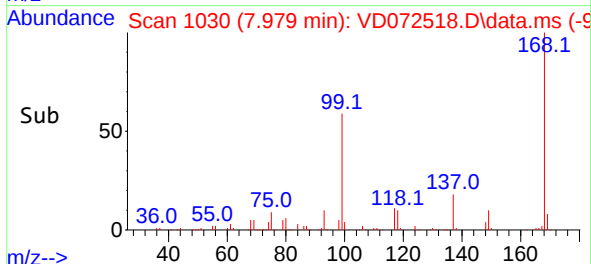
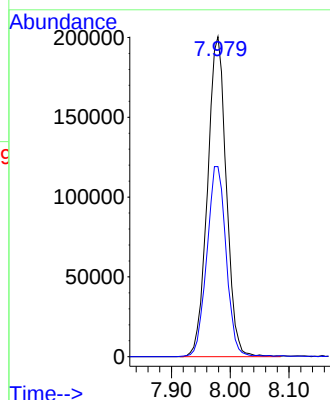
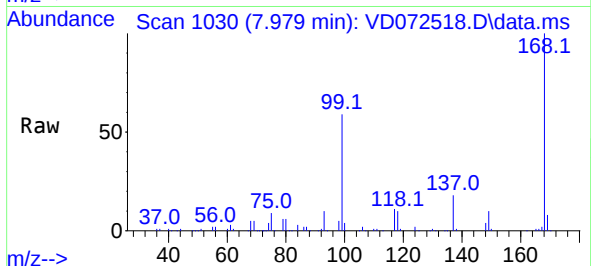




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.000 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

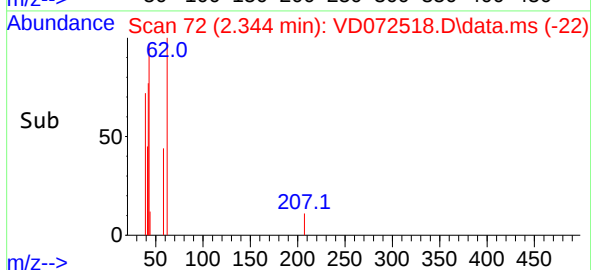
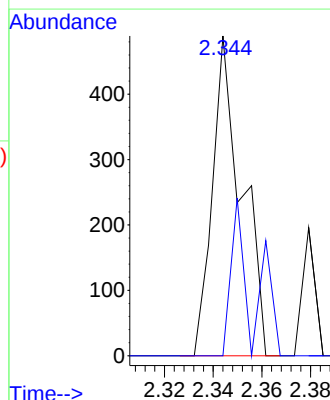
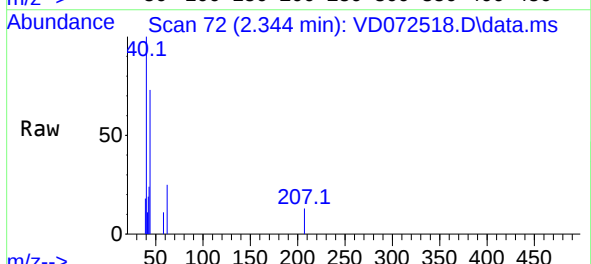
Instrument :
MSVOA_D
ClientSampleId :
124035

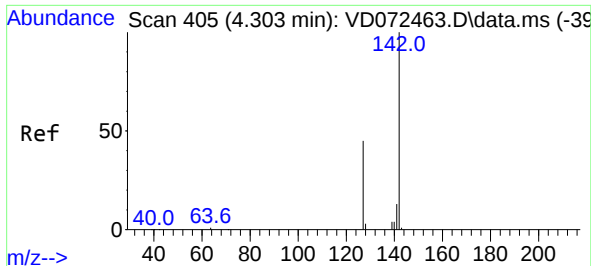
Tgt Ion:168 Resp: 444387
Ion Ratio Lower Upper
168 100
99 59.3 49.8 74.6



#4
Vinyl Chloride
Concen: 1.057 ug/l
RT: 2.344 min Scan# 72
Delta R.T. -0.006 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

Tgt Ion: 62 Resp: 407
Ion Ratio Lower Upper
62 100
64 0.0 25.4 38.0#





#10

Methyl Iodide

Concen: 3.957 ug/l

RT: 4.309 min Scan# 406

Delta R.T. 0.006 min

Lab File: VD072518.D

Acq: 04 Apr 2022 14:59

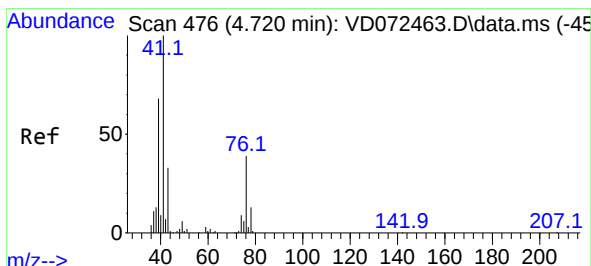
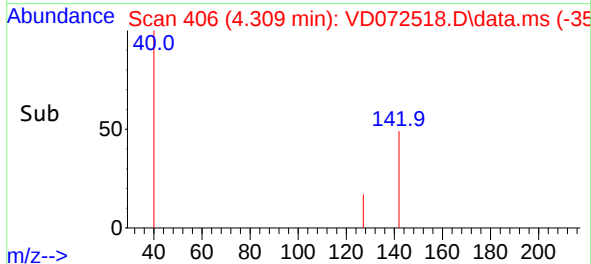
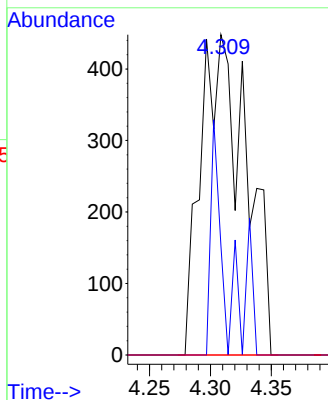
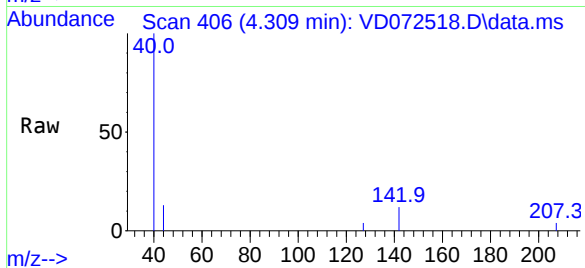
Instrument :

MSVOA_D

ClientSampleId :

124035

Tgt Ion:	142	Resp:	1164
Ion	Ratio	Lower	Upper
142	100		
127	14.6	37.3	55.9#
141	0.0	11.7	17.5#



#14

Allyl chloride

Concen: 1.135 ug/l

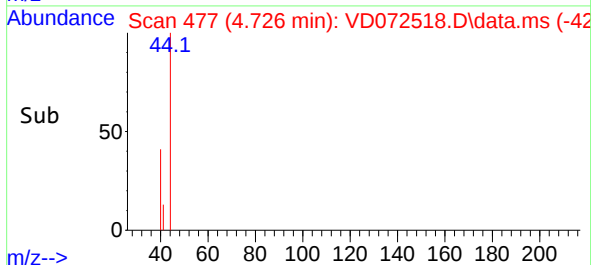
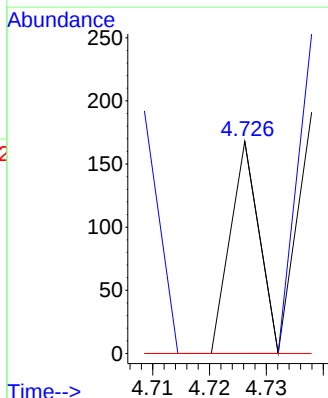
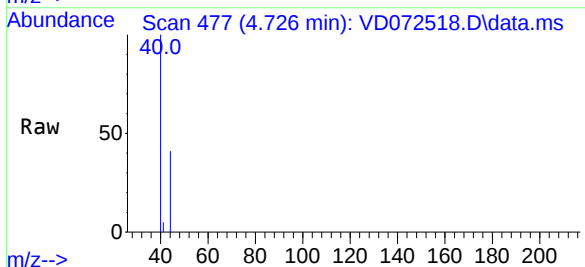
RT: 4.726 min Scan# 477

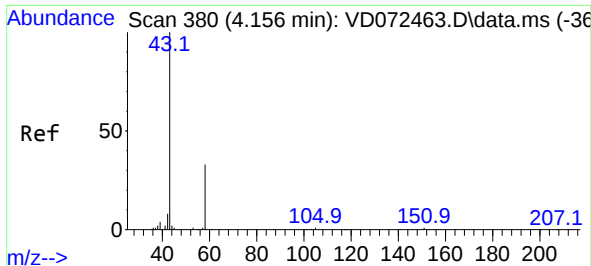
Delta R.T. 0.006 min

Lab File: VD072518.D

Acq: 04 Apr 2022 14:59

Tgt Ion:	41	Resp:	59
Ion	Ratio	Lower	Upper
41	100		
39	150.8	59.3	88.9#
76	0.0	25.7	38.5#

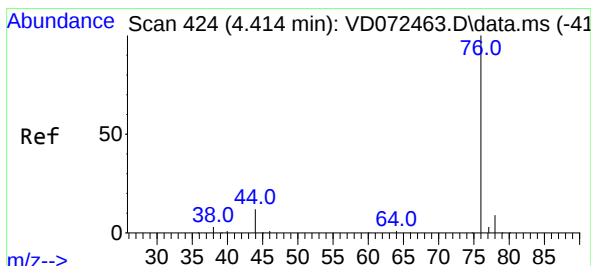
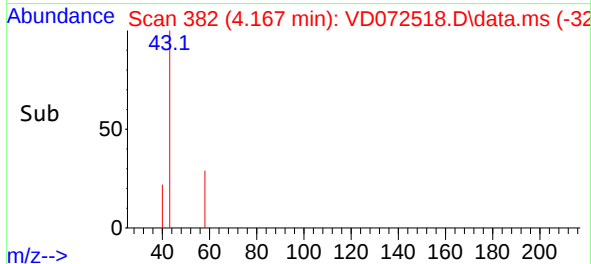
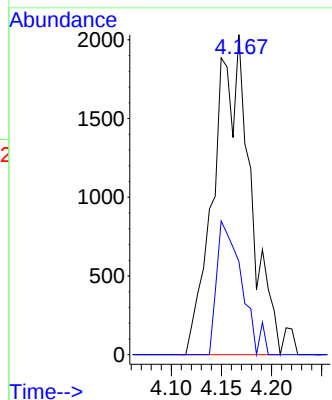
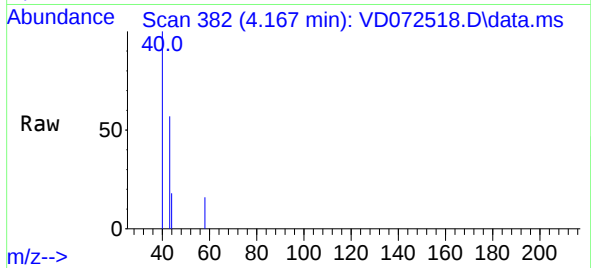




#16
Acetone
Concen: 5.096 ug/l
RT: 4.167 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

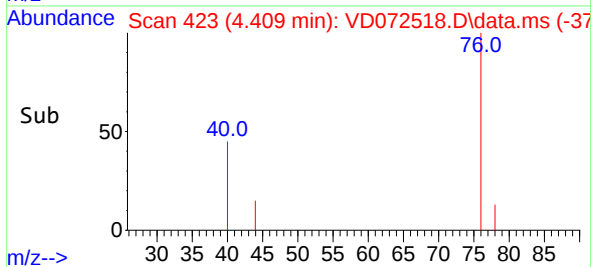
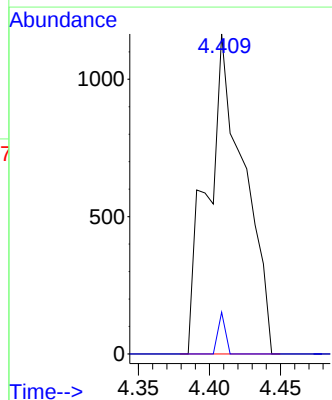
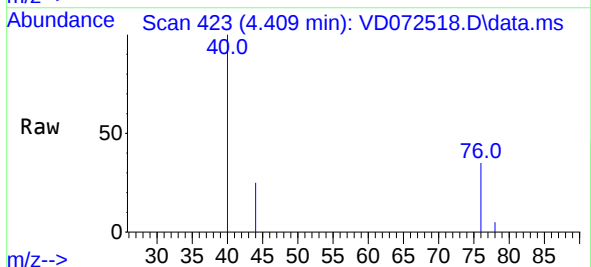
Instrument :
MSVOA_D
ClientSampleId :
124035

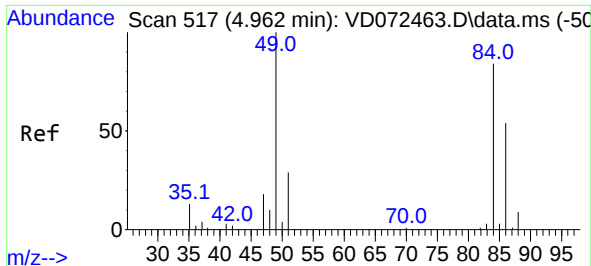
Tgt Ion: 43 Resp: 5108
Ion Ratio Lower Upper
43 100
58 29.1 22.1 33.1



#17
Carbon Disulfide
Concen: 3.850 ug/l
RT: 4.409 min Scan# 423
Delta R.T. -0.005 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

Tgt Ion: 76 Resp: 2085
Ion Ratio Lower Upper
76 100
78 13.0 7.5 11.3#

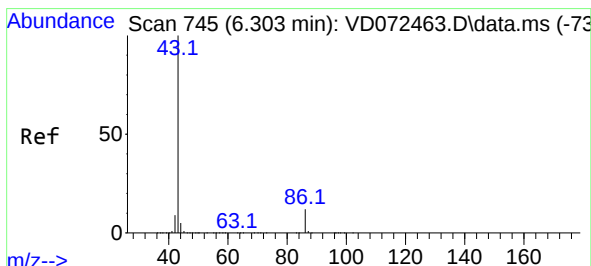
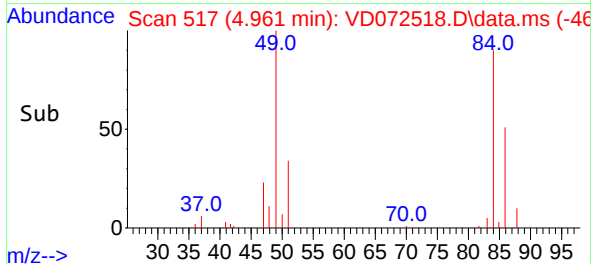
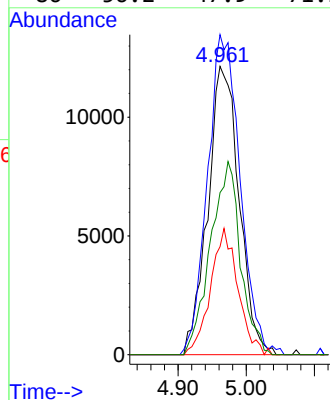
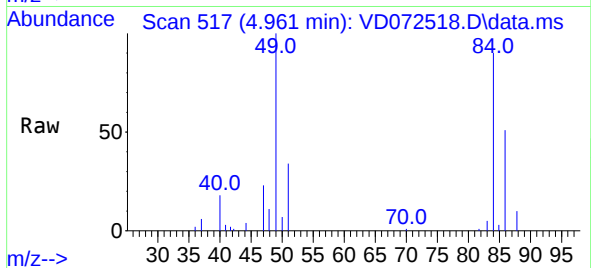




#20
Methylene Chloride
Concen: 6.502 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

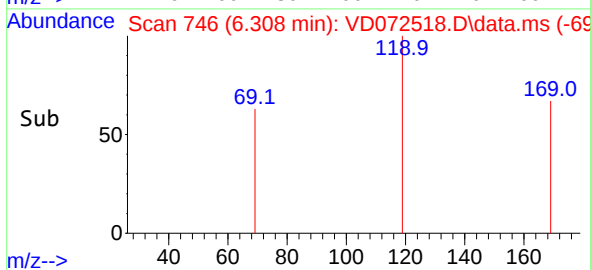
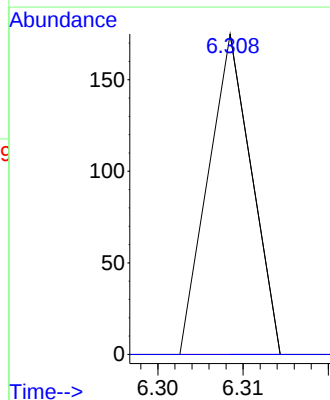
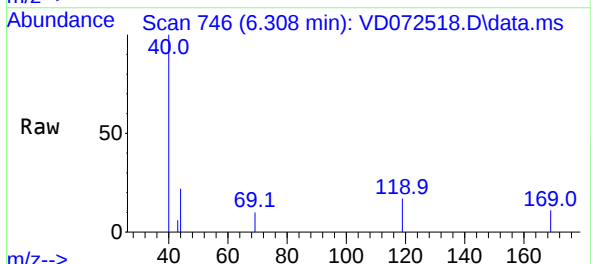
Instrument :
MSVOA_D
ClientSampleId :
124035

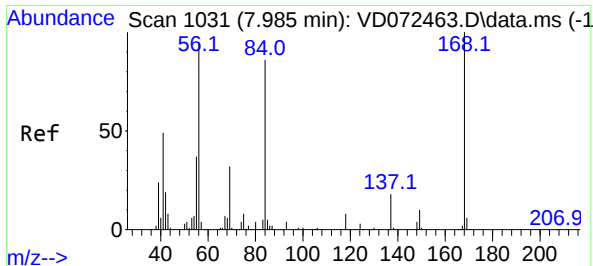
Tgt Ion: 84	Resp: 38799		
Ion	Ratio	Lower	Upper
84	100		
49	111.0	112.8	169.2#
51	37.4	32.6	48.8
86	56.2	47.9	71.9



#23
Vinyl Acetate
Concen: 6.296 ug/l
RT: 6.308 min Scan# 746
Delta R.T. 0.005 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

Tgt Ion: 43	Resp: 62		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	7.1	10.7#	





#31

Cyclohexane

Concen: 1.472 ug/l

RT: 7.979 min Scan# 1031

Delta R.T. -0.006 min

Lab File: VD072518.D

Acq: 04 Apr 2022 14:59

Instrument :

MSVOA_D

ClientSampleId :

124035

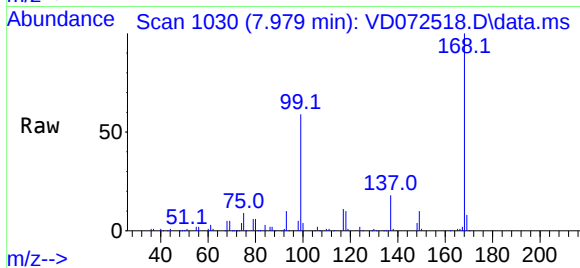
Tgt Ion: 56 Resp: 10344

Ion Ratio Lower Upper

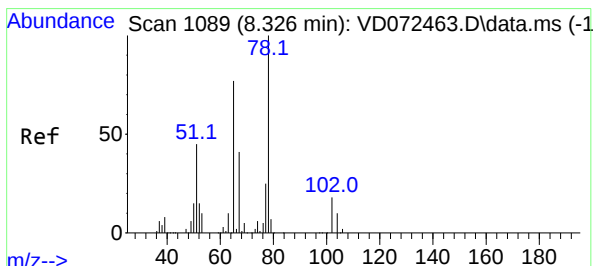
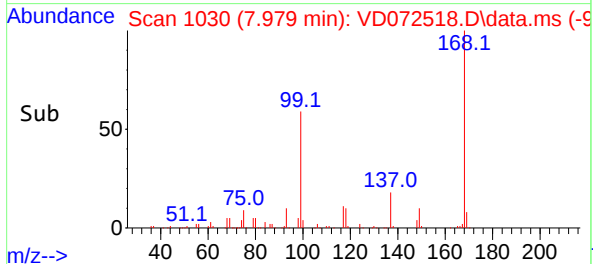
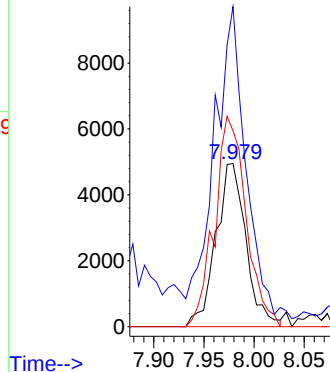
56 100

69 184.3 25.4 38.2#

84 120.1 63.0 94.4#



Abundance



#33

1,2-Dichloroethane-d4

Concen: 50.255 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD072518.D

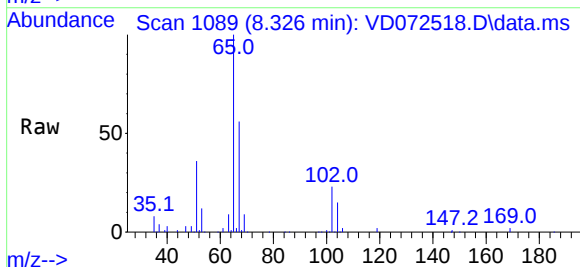
Acq: 04 Apr 2022 14:59

Tgt Ion: 65 Resp: 270157

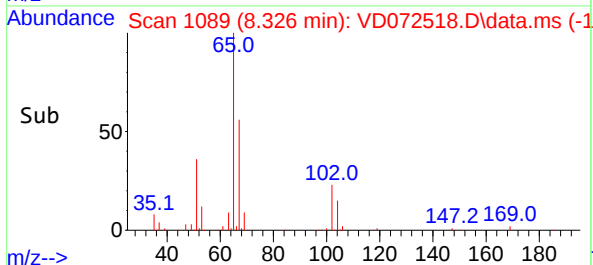
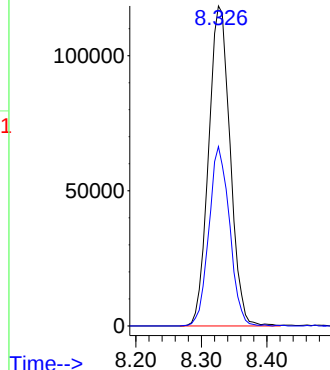
Ion Ratio Lower Upper

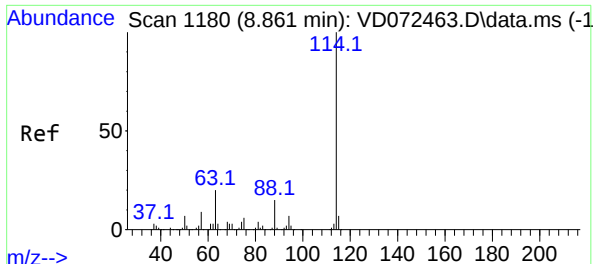
65 100

67 53.7 0.0 101.4



Abundance



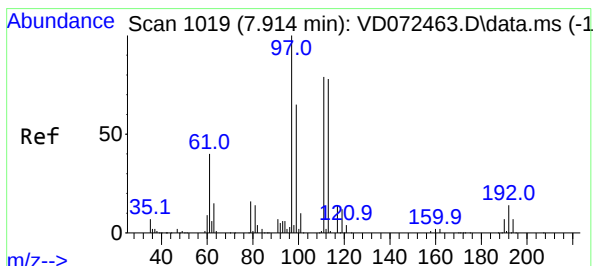
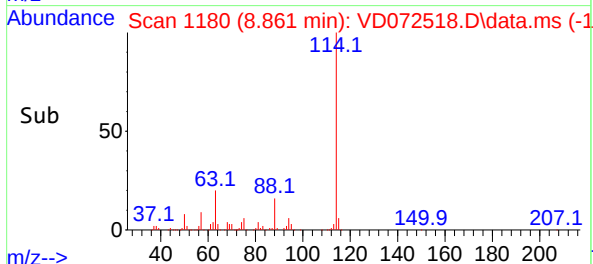
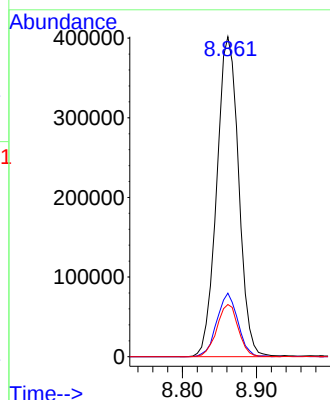
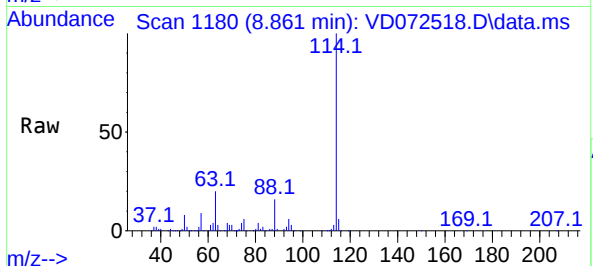


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. -0.000 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

Instrument :
MSVOA_D
ClientSampleId :
124035

Tgt Ion:114 Resp: 823904

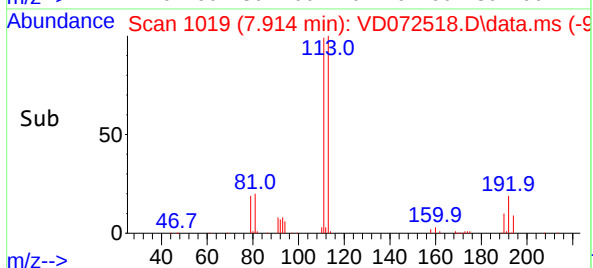
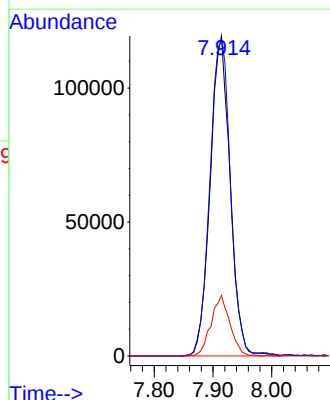
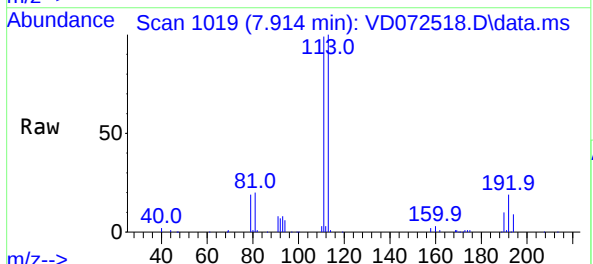
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	46.6
88	16.3	0.0	33.2

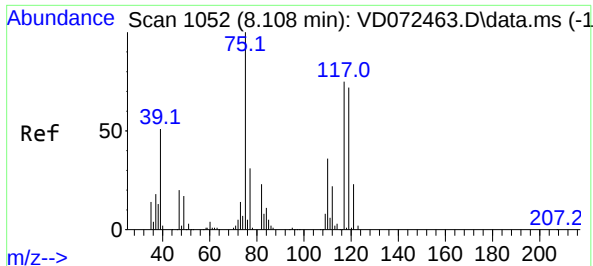


#35
Dibromofluoromethane
Concen: 43.868 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

Tgt Ion:113 Resp: 280881

Ion	Ratio	Lower	Upper
113	100		
111	102.1	83.8	125.6
192	18.0	14.6	21.8





#36

1,1-Dichloropropene

Concen: 5.457 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.129 min

Lab File: VD072518.D

Acq: 04 Apr 2022 14:59

Instrument :

MSVOA_D

ClientSampleId :

124035

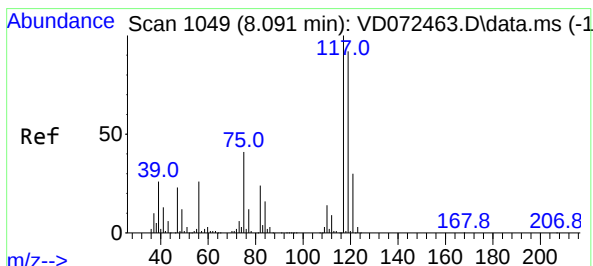
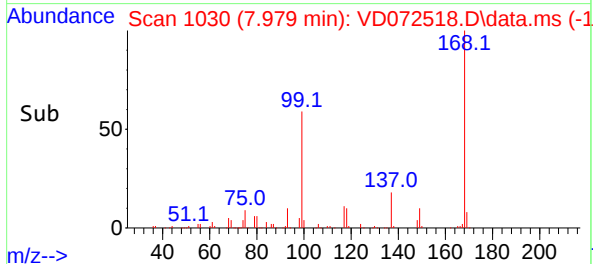
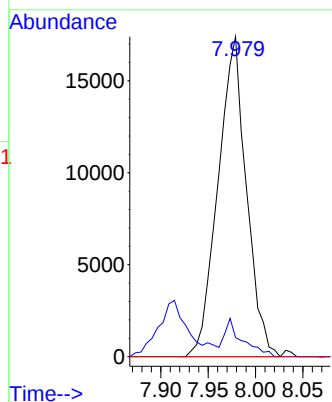
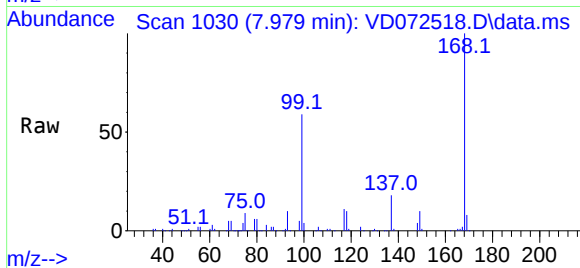
Tgt Ion: 75 Resp: 36269

Ion Ratio Lower Upper

75 100

110 7.4 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.497 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072518.D

Acq: 04 Apr 2022 14:59

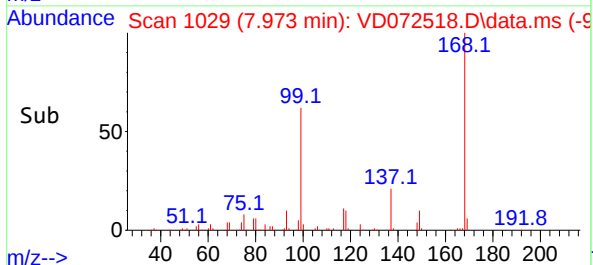
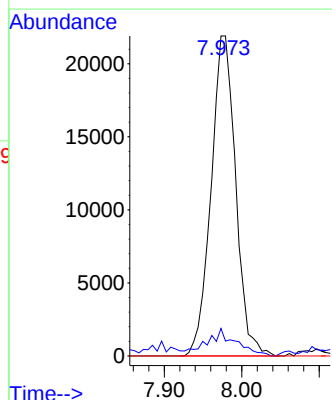
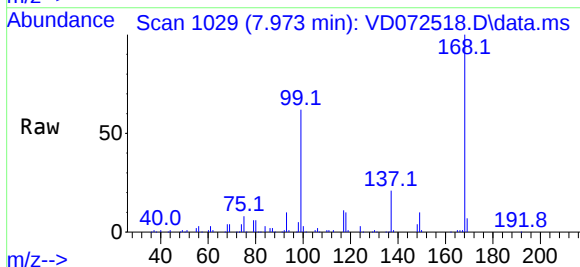
Tgt Ion: 117 Resp: 48491

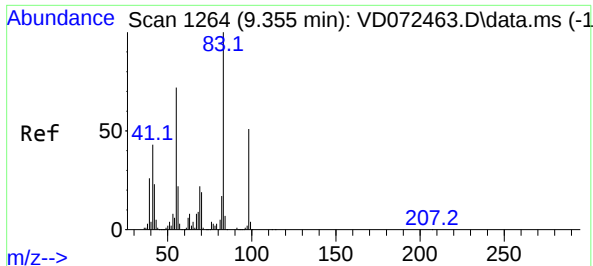
Ion Ratio Lower Upper

117 100

119 7.8 75.8 113.6#

121 0.0 24.5 36.7#

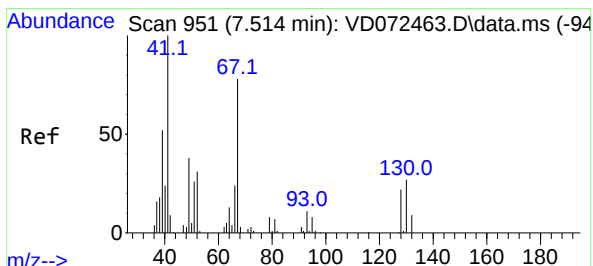
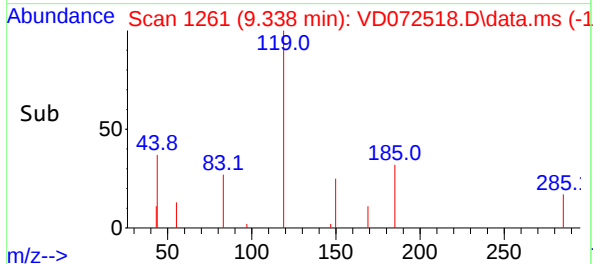
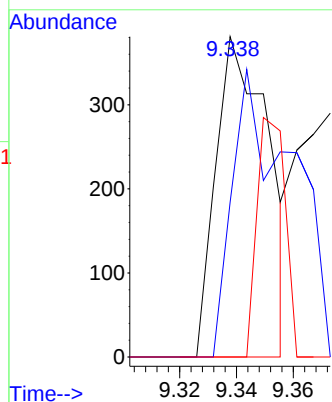
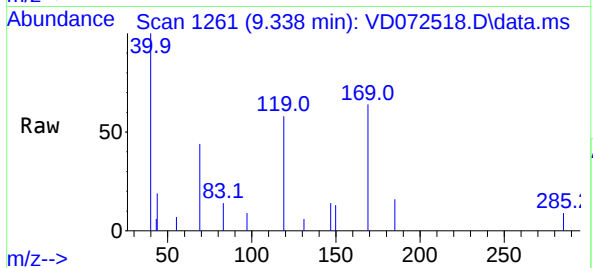




#39
Methylcyclohexane
Concen: 2.925 ug/l
RT: 9.338 min Scan# 11
Delta R.T. -0.017 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

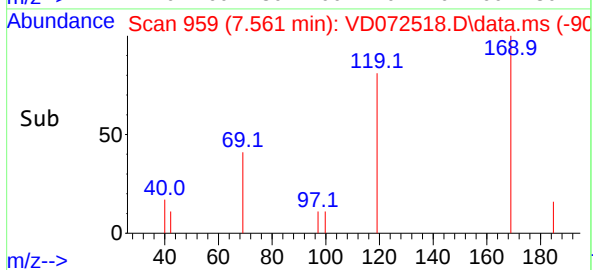
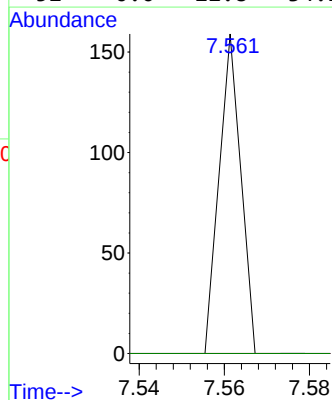
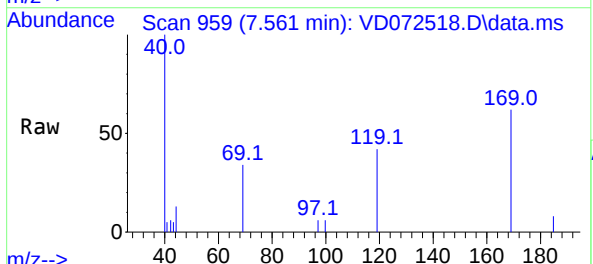
Instrument :
MSVOA_D
ClientSampleId :
124035

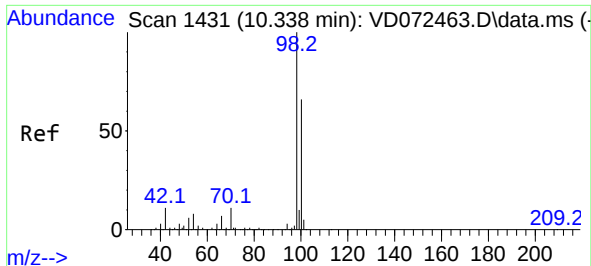
Tgt Ion: 83 Resp: 492
Ion Ratio Lower Upper
83 100
55 48.3 63.2 94.8#
98 0.0 38.2 57.4#



#41
Methacrylonitrile
Concen: 1.685 ug/l
RT: 7.561 min Scan# 959
Delta R.T. 0.047 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
39 0.0 44.6 67.0#
67 0.0 48.2 72.4#
52 0.0 22.8 34.2#

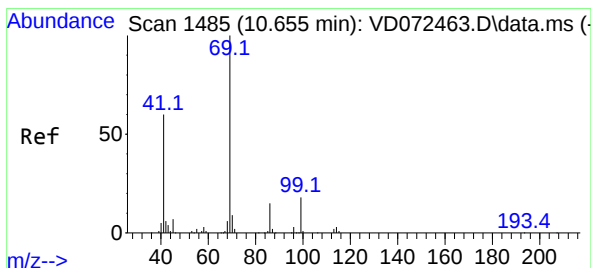
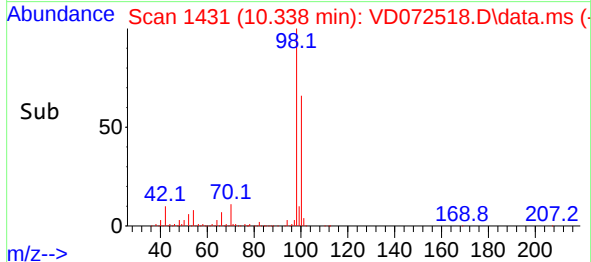
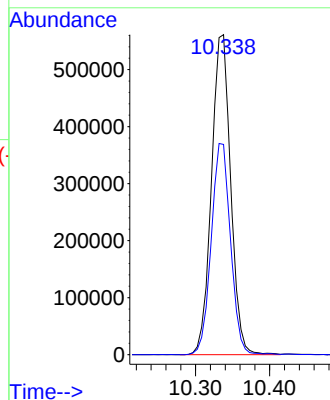
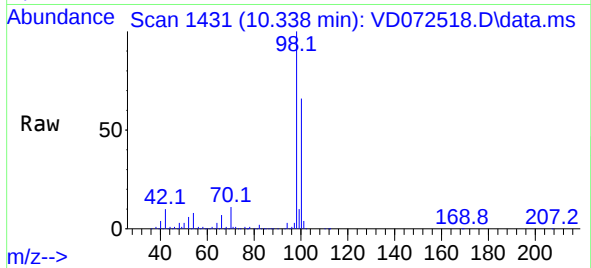




#50
Toluene-d8
Concen: 45.418 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

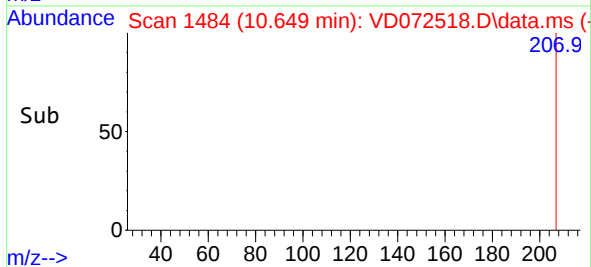
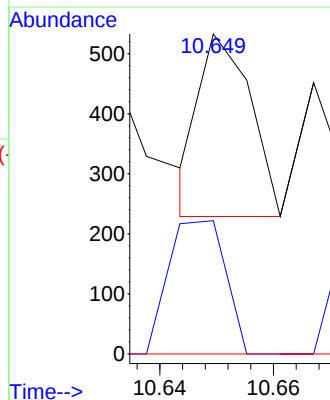
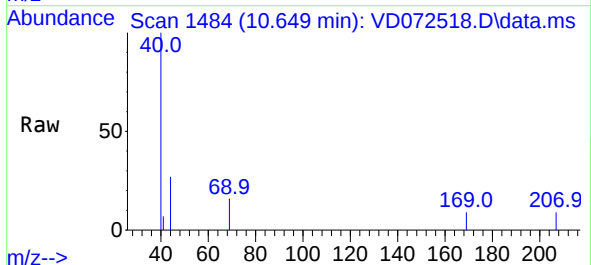
Instrument :
MSVOA_D
ClientSampleId :
124035

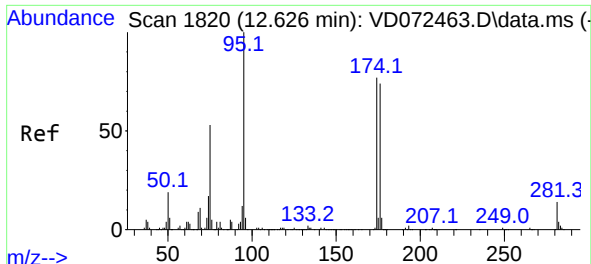
Tgt Ion: 98 Resp: 1010857
Ion Ratio Lower Upper
98 100
100 66.3 52.4 78.6



#56
Ethyl methacrylate
Concen: 1.221 ug/l
RT: 10.649 min Scan# 1484
Delta R.T. -0.006 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

Tgt Ion: 69 Resp: 187
Ion Ratio Lower Upper
69 100
41 82.9 63.0 94.6
39 0.0 33.8 50.8#

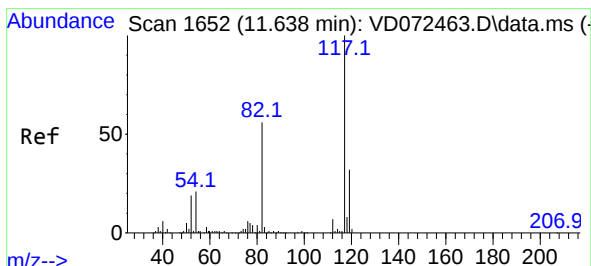
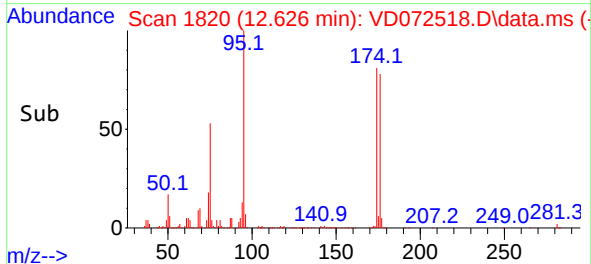
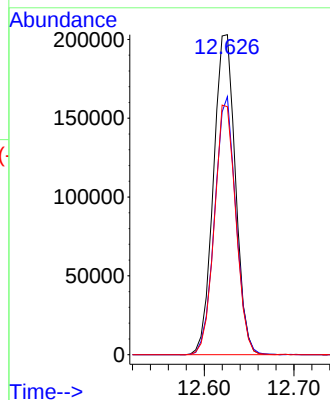
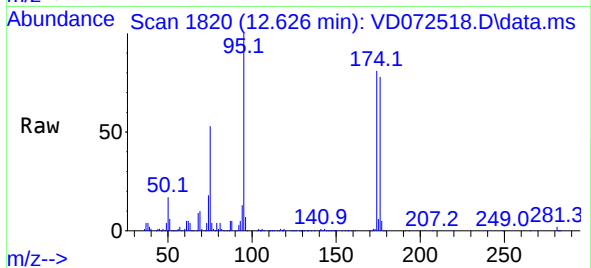




#62
4-Bromofluorobenzene
Concen: 39.698 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

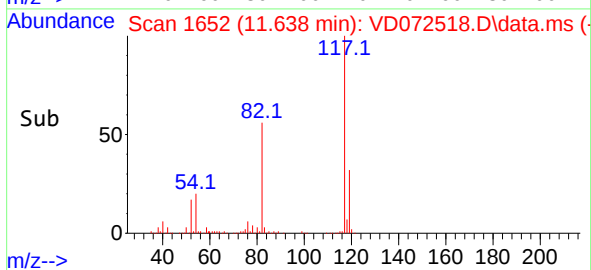
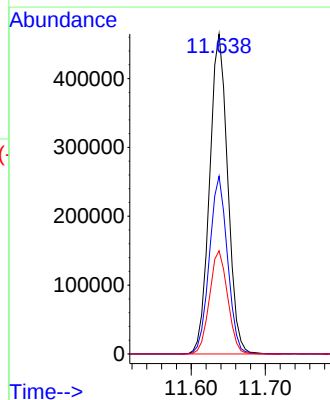
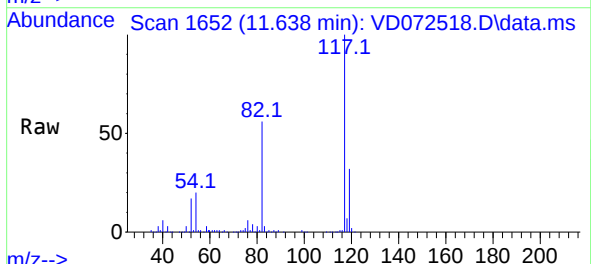
Instrument :
MSVOA_D
ClientSampleId :
124035

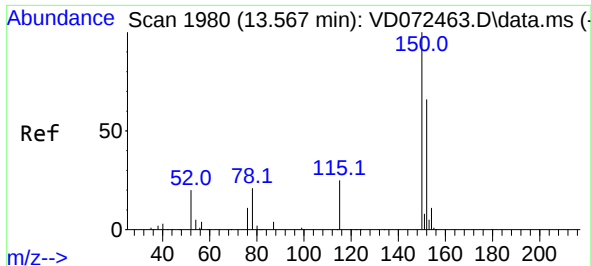
Tgt Ion: 95 Resp: 345066
Ion Ratio Lower Upper
95 100
174 77.7 0.0 152.8
176 76.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

Tgt Ion: 117 Resp: 788826
Ion Ratio Lower Upper
117 100
82 55.5 45.3 67.9
119 32.2 26.6 40.0

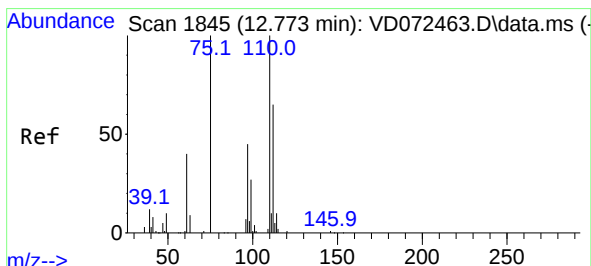
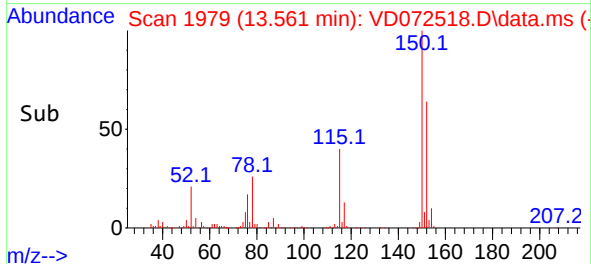
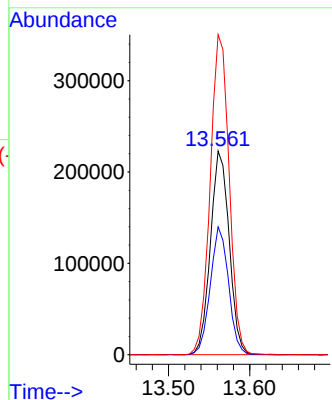
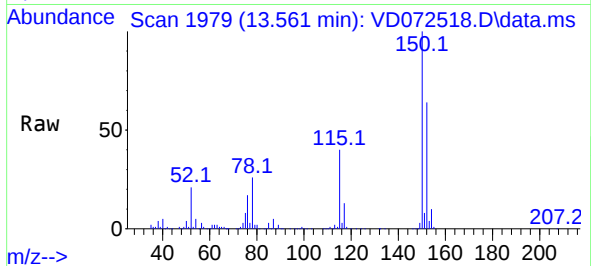




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1980
Delta R.T. -0.006 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

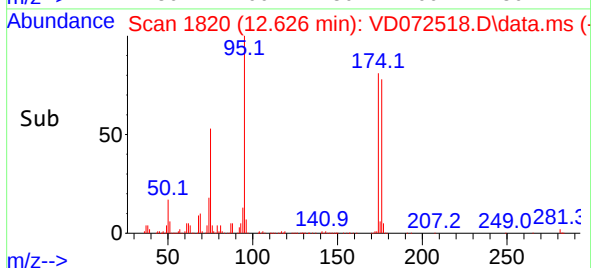
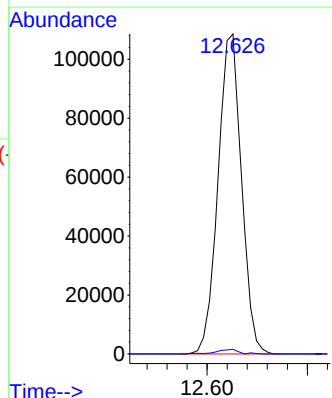
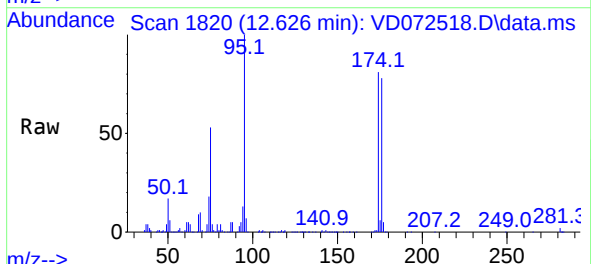
Instrument :
MSVOA_D
ClientSampleId :
124035

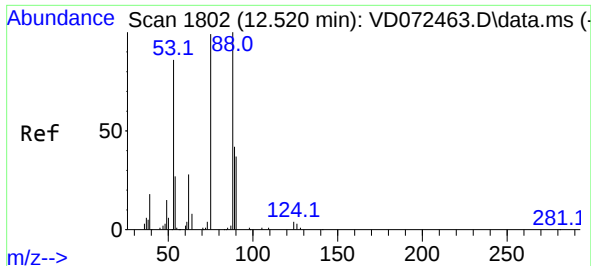
Tgt Ion:152 Resp: 358035
Ion Ratio Lower Upper
152 100
115 61.0 31.3 93.8
150 158.7 0.0 348.6



#76
1,2,3-Trichloropropane
Concen: 45.145 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD072518.D
Acq: 04 Apr 2022 14:59

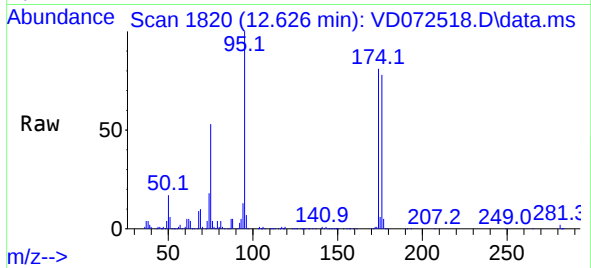
Tgt Ion: 75 Resp: 176291
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 110.778 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD072518.D
 Acq: 04 Apr 2022 14:59

Instrument :
 MSVOA_D
 ClientSampleId :
 124035



Tgt Ion: 75 Resp: 176291

Ion	Ratio	Lower	Upper
75	100		
53	0.1	86.5	129.7#
89	0.0	33.9	50.9#

