

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD110921\
 Data File : VD070960.D
 Acq On : 09 Nov 2021 20:06
 Operator : VA/SY
 Sample : M4540-09
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Nov 10 03:59:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 10 03:55:51 2021
 Response via : Initial Calibration

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

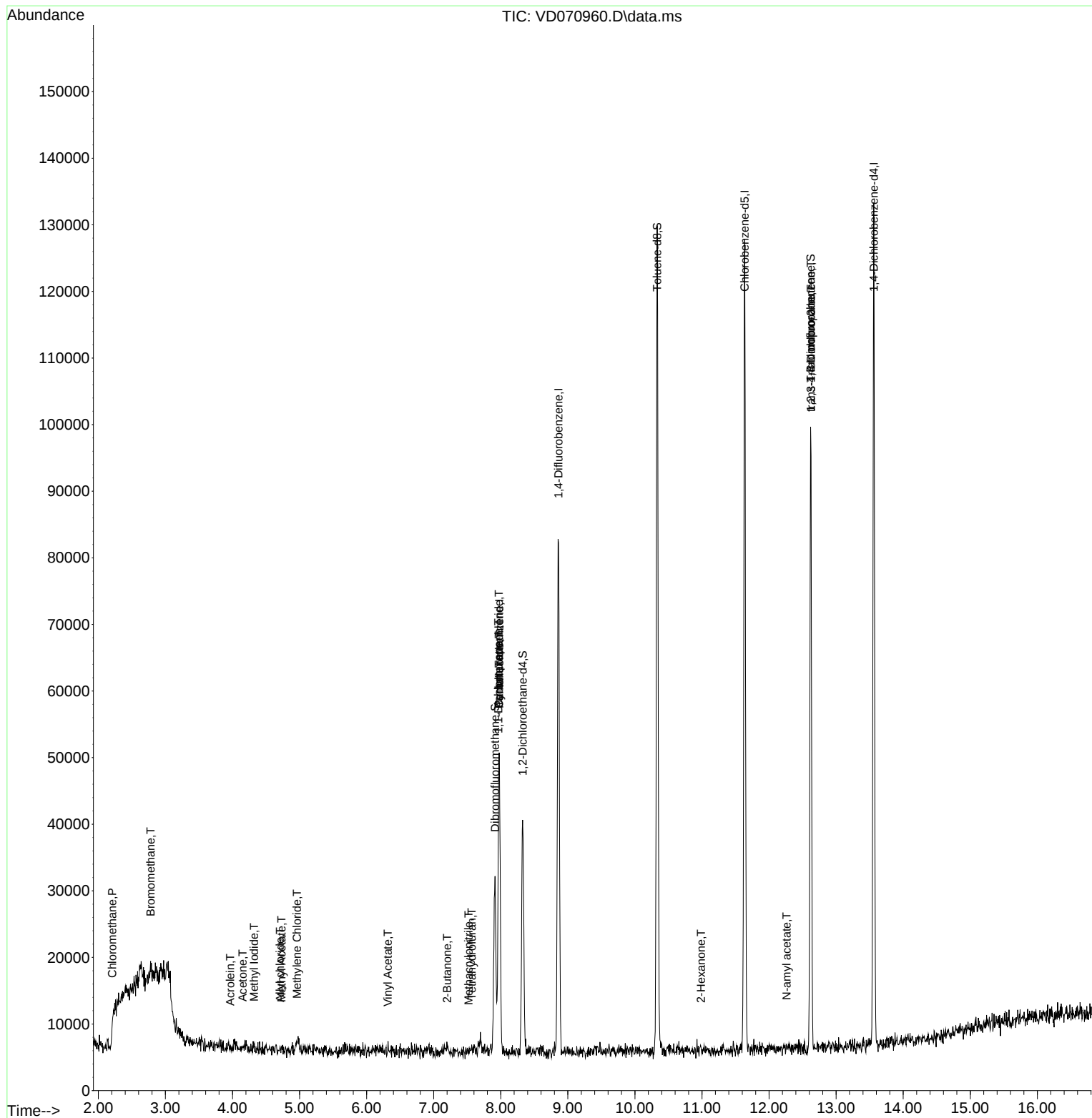
Internal Standards						
1) Pentafluorobenzene	7.979	168	33024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	64441	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	66080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	30541	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	26756	76.096	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 152.200%	
35) Dibromofluoromethane	7.914	113	18240	50.161	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.320%	
50) Toluene-d8	10.332	98	80702	56.671	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 113.340%	
62) 4-Bromofluorobenzene	12.620	95	33471	65.278	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 130.560%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.209	50	428	1.275	ug/l #	42
5) Bromomethane	2.779	94	988	4.489	ug/l #	65
10) Methyl Iodide	4.320	142	116	6.288	ug/l #	83
13) Acrolein	3.967	56	204	21.065	ug/l #	61
14) Allyl chloride	4.709	41	757	1.159	ug/l #	71
16) Acetone	4.150	43	554	25.168	ug/l #	40
18) Methyl Acetate	4.732	43	345	1.144	ug/l #	51
20) Methylene Chloride	4.961	84	933	1.926	ug/l #	58
23) Vinyl Acetate	6.314	43	278	21.350	ug/l #	72
25) 2-Butanone	7.203	43	394	23.317	ug/l #	45
29) Tetrahydrofuran	7.567	42	322	4.507	ug/l #	34
31) Cyclohexane	7.973	56	989	1.368	ug/l #	60
36) 1,1-Dichloropropene	7.967	75	2950	5.127	ug/l #	43
38) Carbon Tetrachloride	7.973	117	3547	6.694	ug/l #	12
41) Methacrylonitrile	7.520	41	127	4.116	ug/l #	37
59) 2-Hexanone	10.985	43	460	17.980	ug/l #	22
74) N-amyl acetate	12.261	43	645	1.026	ug/l #	45
76) 1,2,3-Trichloropropane	12.626	75	16960	65.010	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	16960	120.183	ug/l #	18

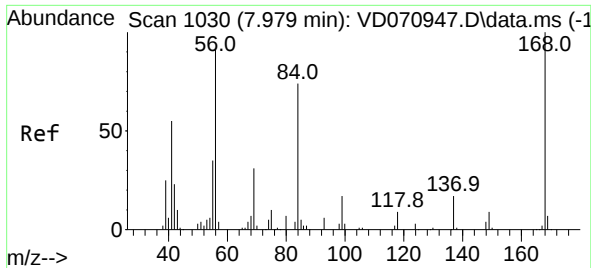
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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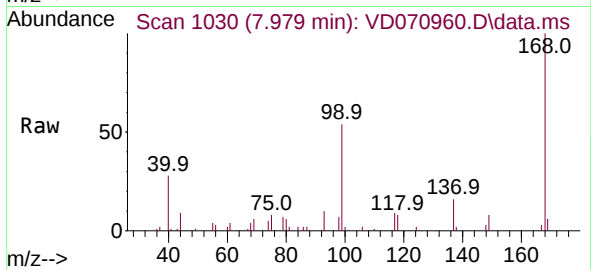
Quant Time: Nov 10 03:59:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D110921S.M
Quant Title : SW846 8260
QLast Update : Wed Nov 10 03:55:51 2021
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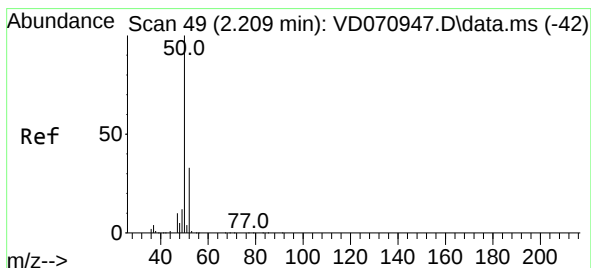
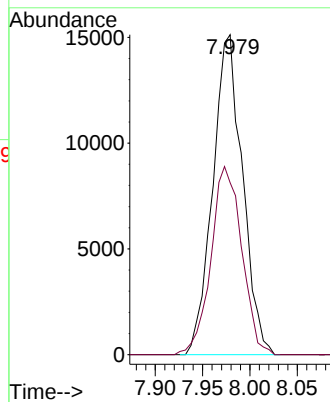
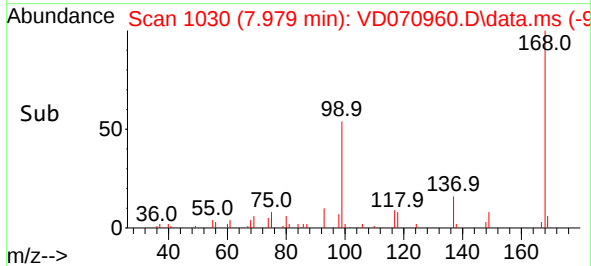


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.000 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

Instrument :
MSVOA_D
ClientSampleId :

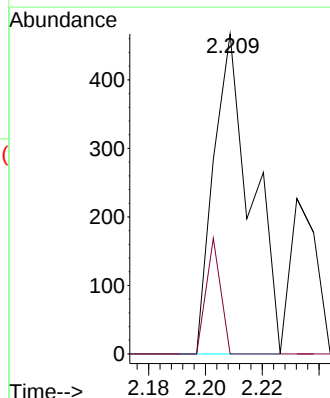
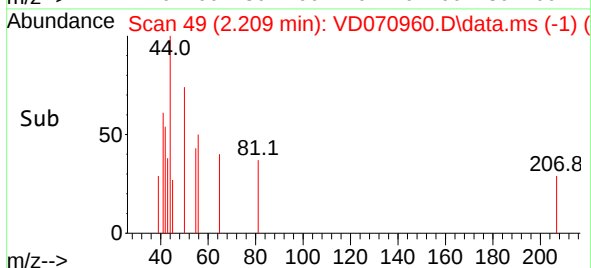
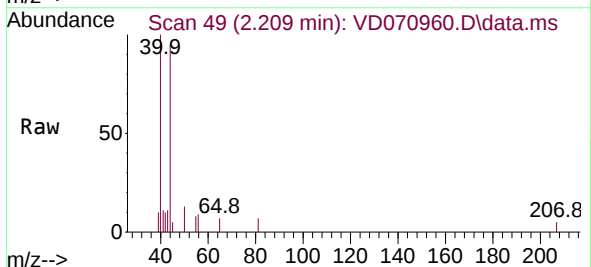


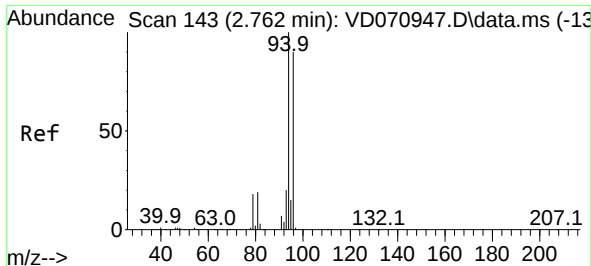
Tgt Ion:168 Resp: 33024
Ion Ratio Lower Upper
168 100
99 53.8 46.6 69.8



#3
Chloromethane
Concen: 1.275 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.000 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

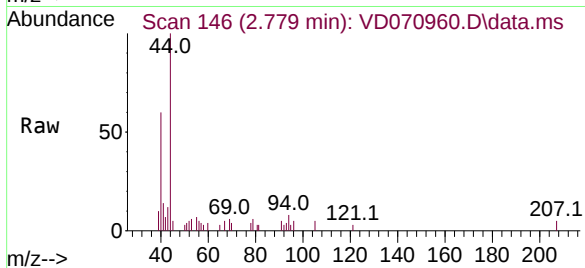
Tgt Ion: 50 Resp: 428
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



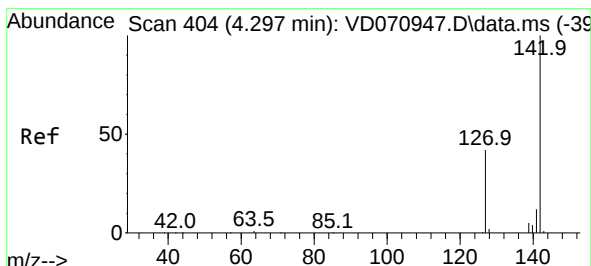
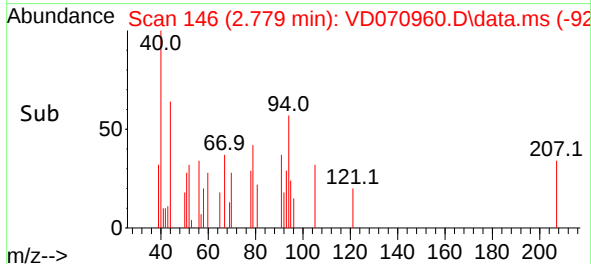
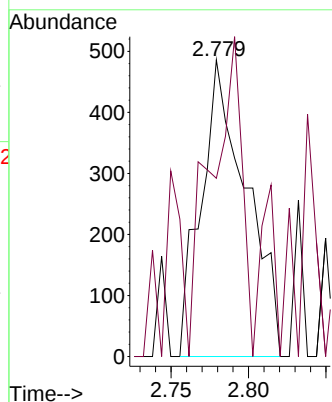


#5
Bromomethane
Concen: 4.489 ug/l
RT: 2.779 min Scan# 143
Delta R.T. 0.017 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

Instrument :
MSVOA_D
ClientSampleId :

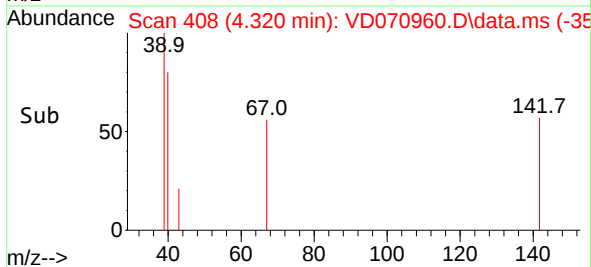
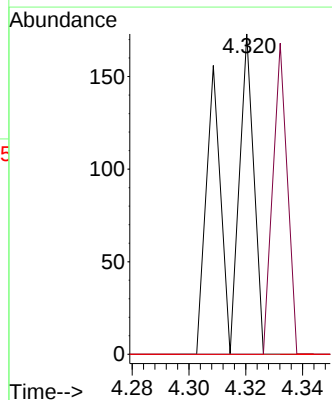
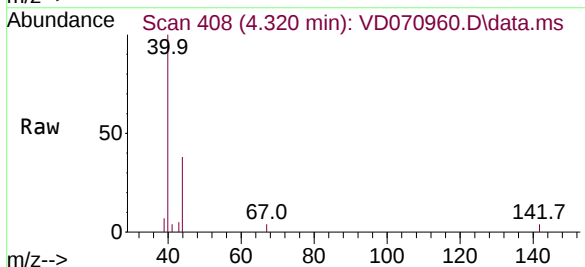


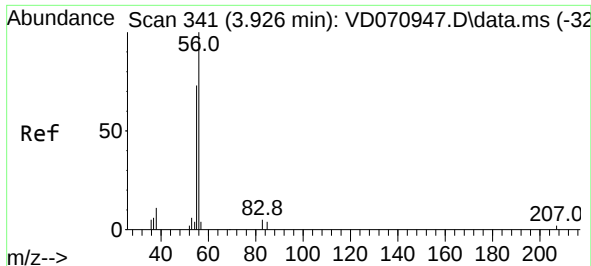
Tgt Ion: 94 Resp: 988
Ion Ratio Lower Upper
94 100
96 60.1 74.8 112.2#



#10
Methyl Iodide
Concen: 6.288 ug/l
RT: 4.320 min Scan# 408
Delta R.T. 0.023 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

Tgt Ion: 142 Resp: 116
Ion Ratio Lower Upper
142 100
127 50.9 35.0 52.4
141 0.0 12.0 18.0#





#13

Acrolein

Concen: 21.065 ug/l

RT: 3.967 min Scan# 341

Delta R.T. 0.041 min

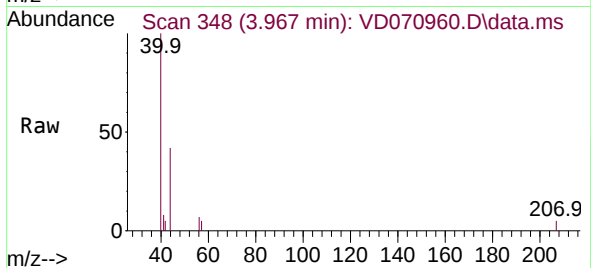
Lab File: VD070960.D

Acq: 09 Nov 2021 20:06

Instrument :

MSVOA_D

ClientSampleId :

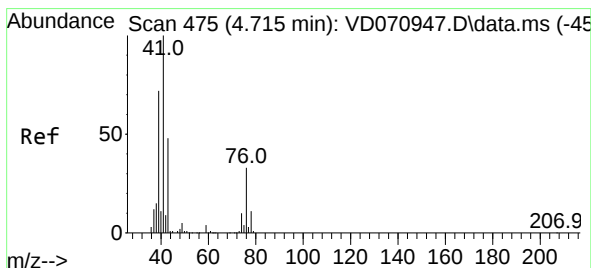
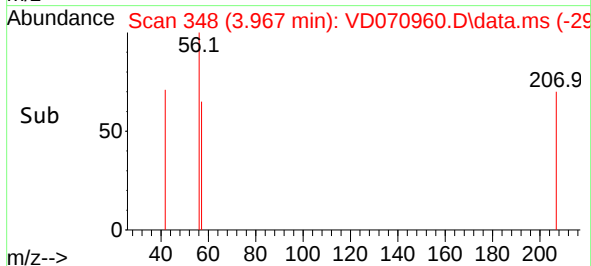
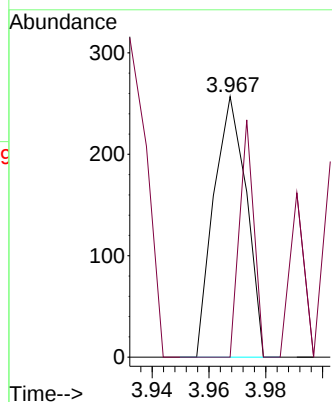


Tgt Ion: 56 Resp: 204

Ion Ratio Lower Upper

56 100

55 40.7 58.6 87.8#



#14

Allyl chloride

Concen: 1.159 ug/l

RT: 4.709 min Scan# 474

Delta R.T. -0.006 min

Lab File: VD070960.D

Acq: 09 Nov 2021 20:06

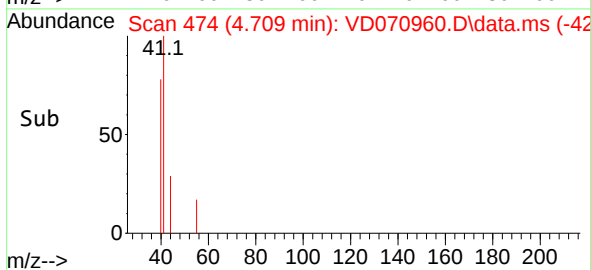
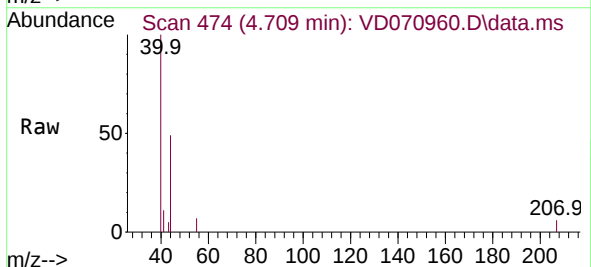
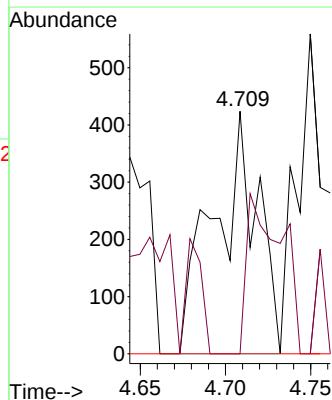
Tgt Ion: 41 Resp: 757

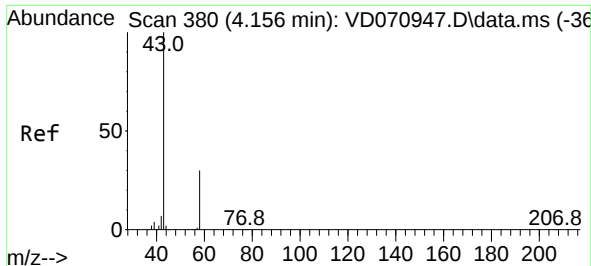
Ion Ratio Lower Upper

41 100

39 52.4 45.6 68.4

76 0.0 30.2 45.4#

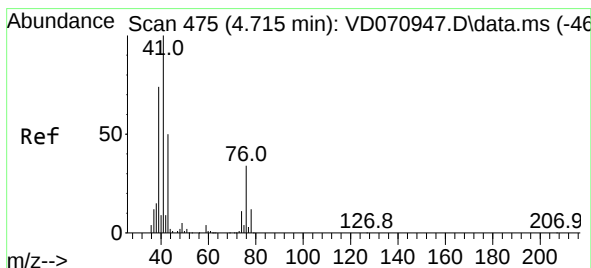
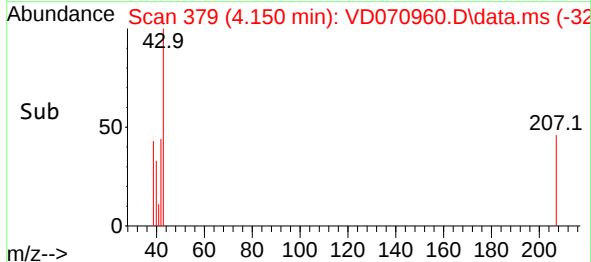
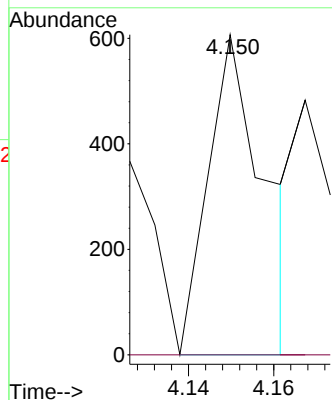
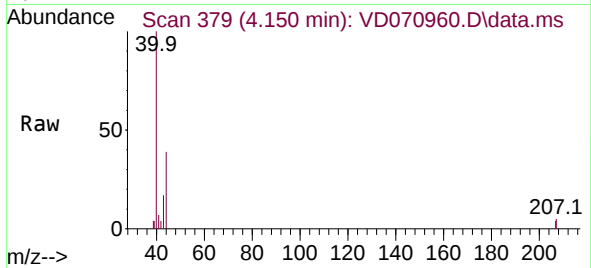




#16
Acetone
Concen: 25.168 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

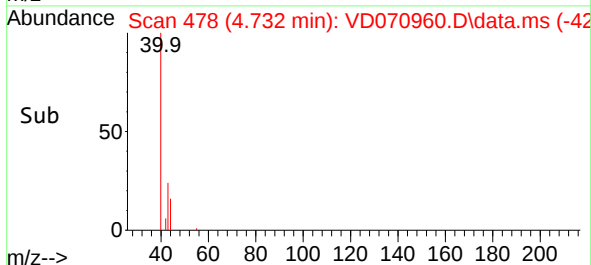
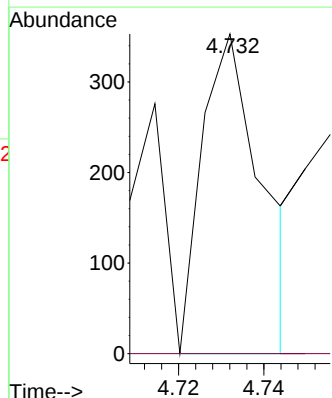
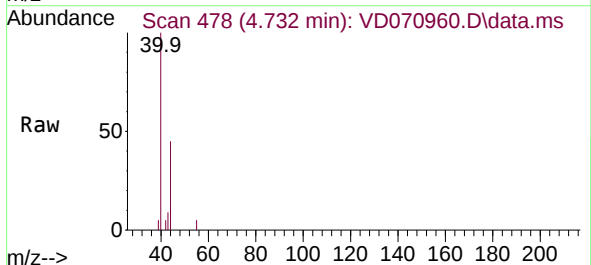
Instrument :
MSVOA_D
ClientSampleId :

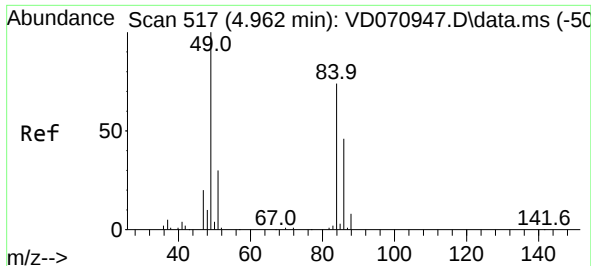
Tgt Ion: 43 Resp: 554
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#18
Methyl Acetate
Concen: 1.144 ug/l
RT: 4.732 min Scan# 478
Delta R.T. 0.017 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

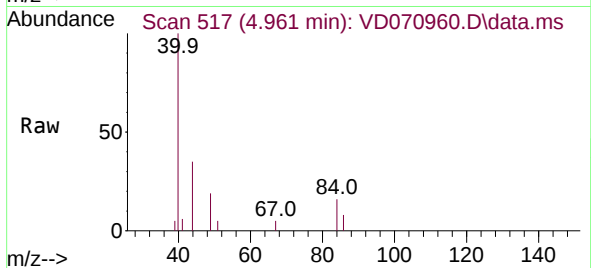
Tgt Ion: 43 Resp: 345
Ion Ratio Lower Upper
43 100
74 0.0 19.3 28.9#



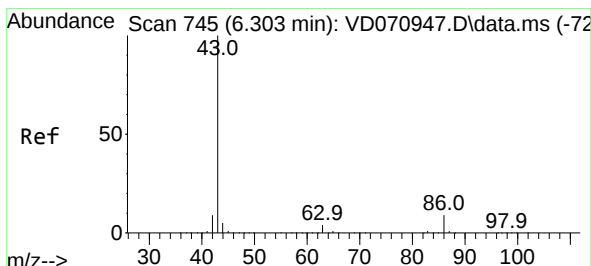
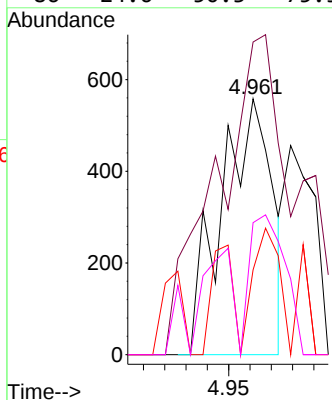
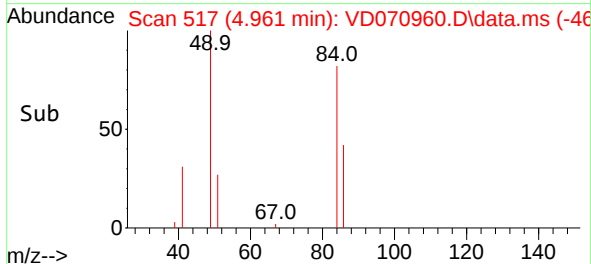


#20
Methylene Chloride
Concen: 1.926 ug/l
RT: 4.961 min Scan# 517
Delta R.T. -0.001 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

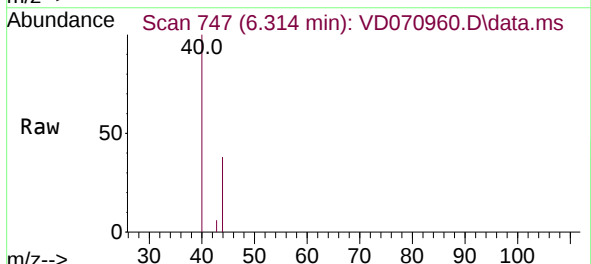
Instrument :
MSVOA_D
ClientSampleId :



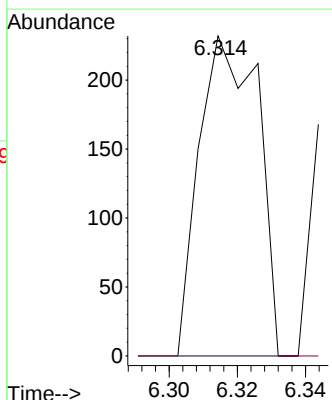
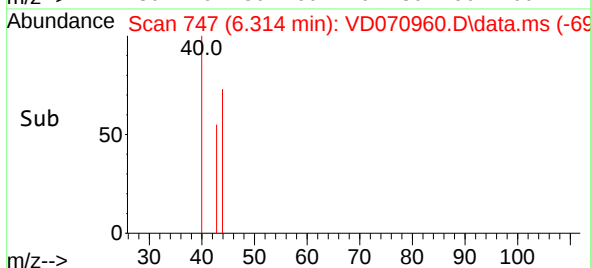
Tgt Ion: 84	Resp: 933
Ion Ratio	Lower Upper
84 100	
49 84.8	95.8 143.6#
51 0.5	30.9 46.3#
86 24.6	50.3 75.5#

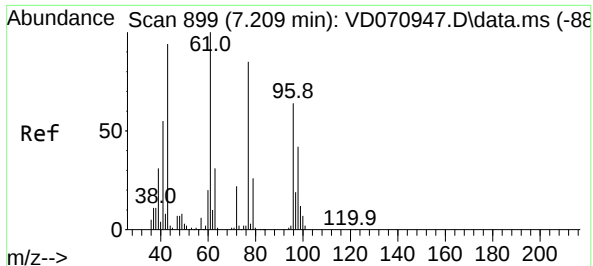


#23
Vinyl Acetate
Concen: 21.350 ug/l
RT: 6.314 min Scan# 747
Delta R.T. 0.011 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06



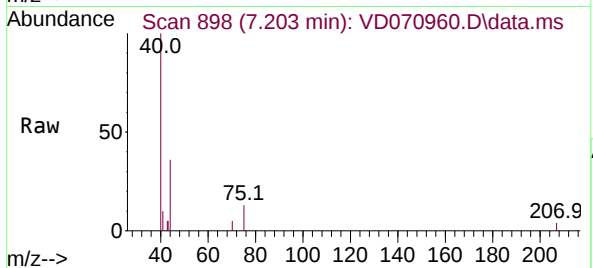
Tgt Ion: 43	Resp: 278		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	8.2	12.4#	



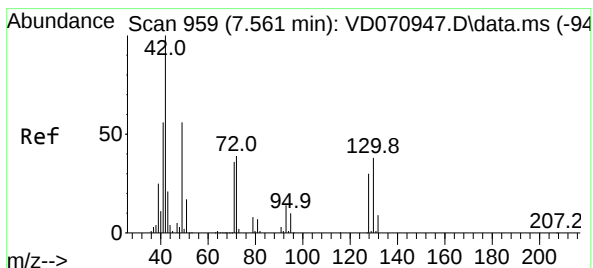
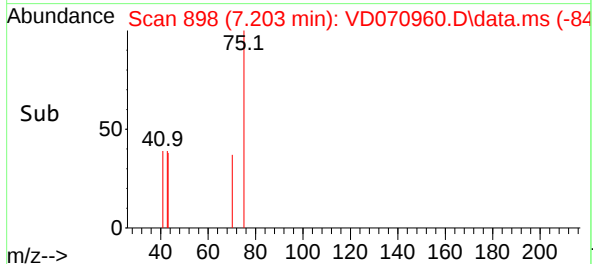
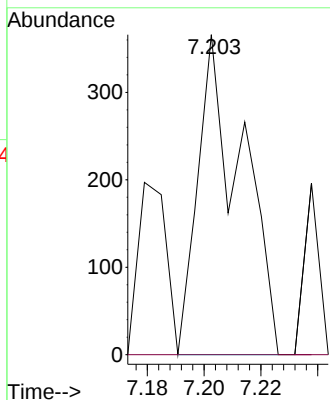


#25
2-Butanone
Concen: 23.317 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

Instrument :
MSVOA_D
ClientSampleId :

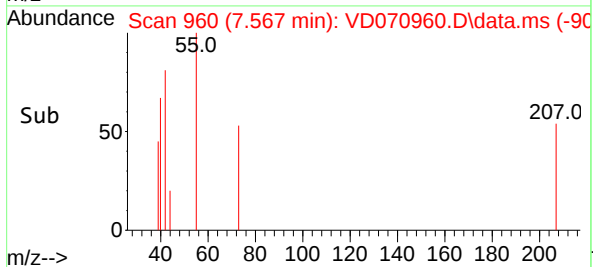
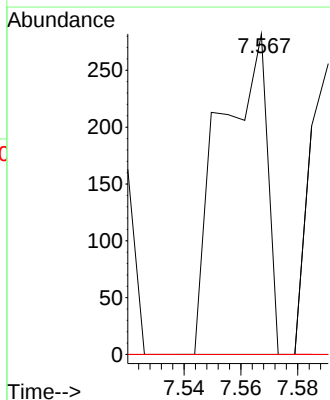
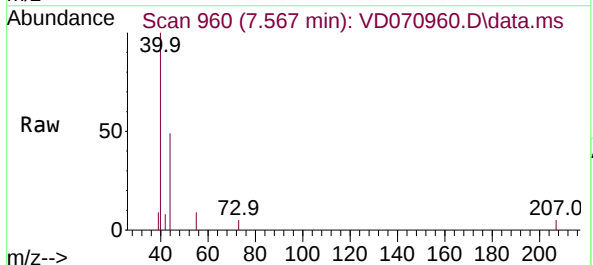


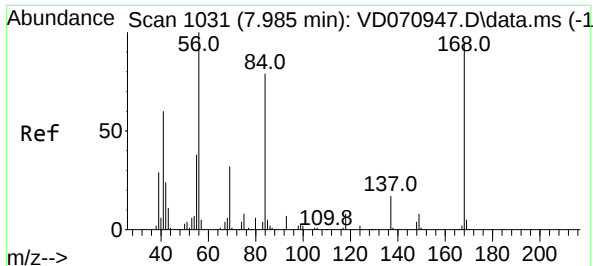
Tgt Ion: 43 Resp: 394
Ion Ratio Lower Upper
43 100
72 0.0 23.8 35.6#



#29
Tetrahydrofuran
Concen: 4.507 ug/l
RT: 7.567 min Scan# 960
Delta R.T. 0.006 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

Tgt Ion: 42 Resp: 322
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#





#31

Cyclohexane

Concen: 1.368 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.012 min

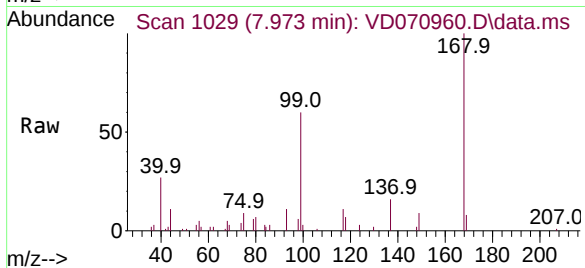
Lab File: VD070960.D

Acq: 09 Nov 2021 20:06

Instrument :

MSVOA_D

ClientSampleId :



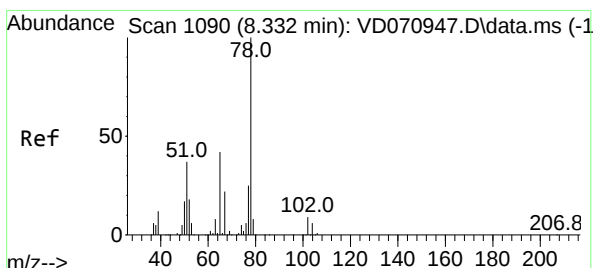
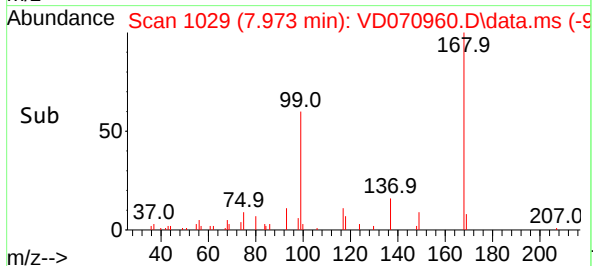
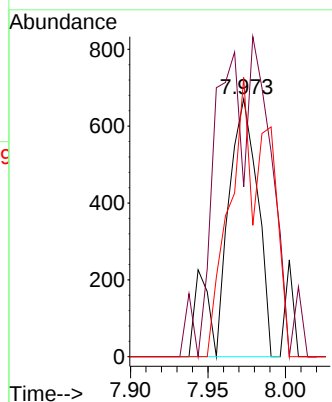
Tgt Ion: 56 Resp: 989

Ion Ratio Lower Upper

56 100

69 65.9 25.9 38.9#

84 108.3 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 76.096 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.006 min

Lab File: VD070960.D

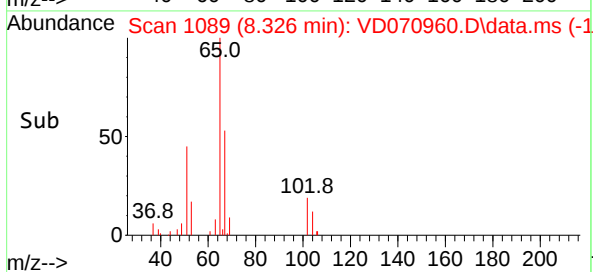
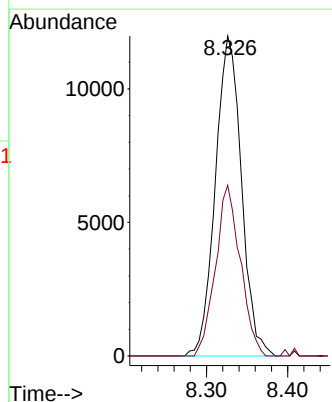
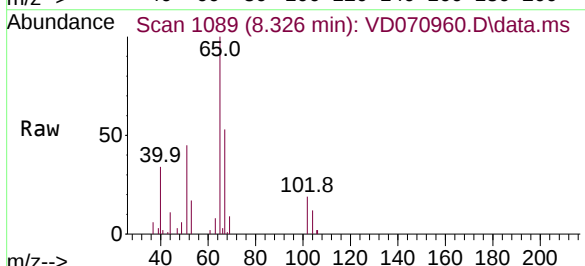
Acq: 09 Nov 2021 20:06

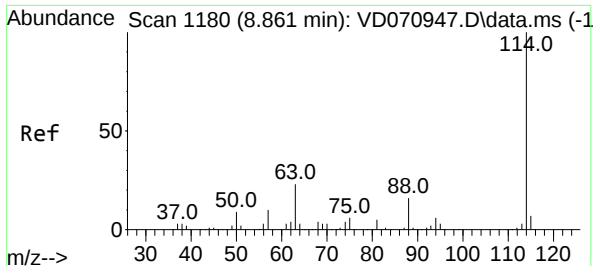
Tgt Ion: 65 Resp: 26756

Ion Ratio Lower Upper

65 100

67 50.8 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD070960.D

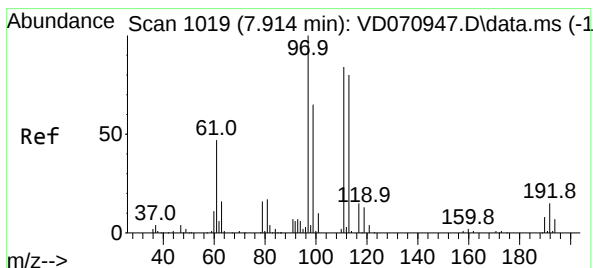
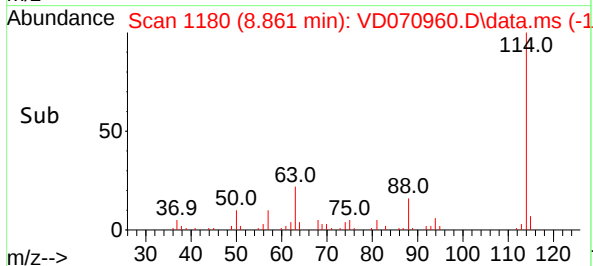
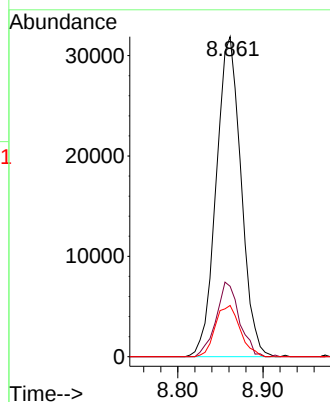
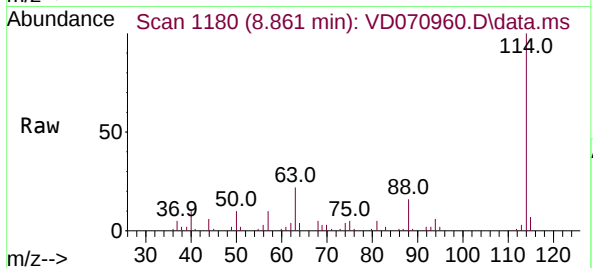
Acq: 09 Nov 2021 20:06

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion:114	Resp:	64441
Ion Ratio	Lower	Upper
114	100	
63	22.0	0.0 41.8
88	16.0	0.0 32.8



#35

Dibromofluoromethane

Concen: 50.161 ug/l

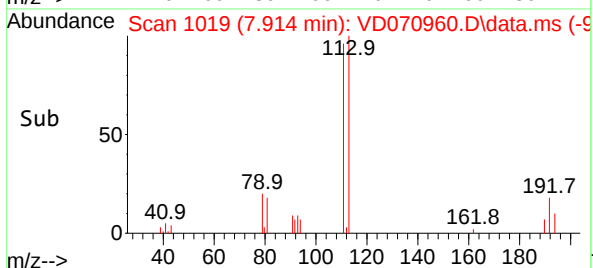
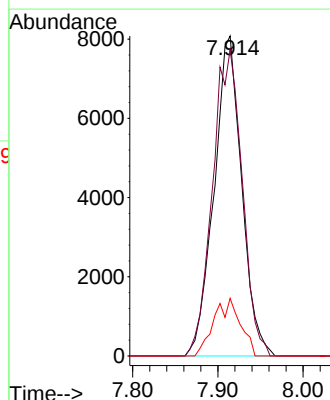
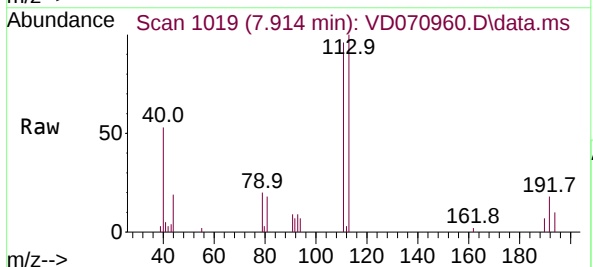
RT: 7.914 min Scan# 1019

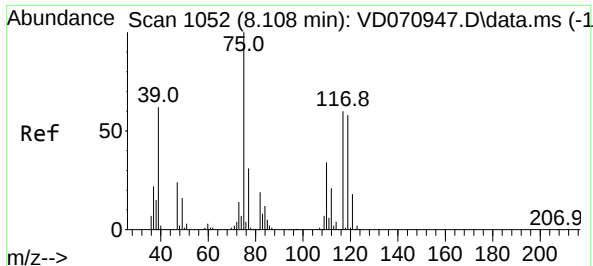
Delta R.T. 0.000 min

Lab File: VD070960.D

Acq: 09 Nov 2021 20:06

Tgt Ion:113	Resp:	18240
Ion Ratio	Lower	Upper
113	100	
111	102.7	82.0 123.0
192	8.7	15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.127 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

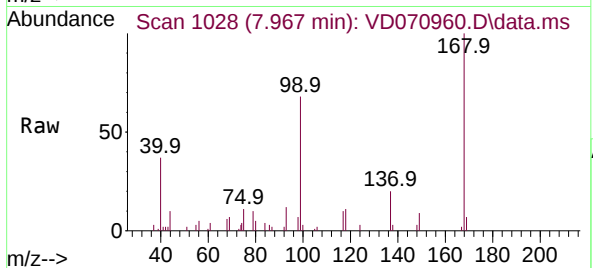
Lab File: VD070960.D

Acq: 09 Nov 2021 20:06

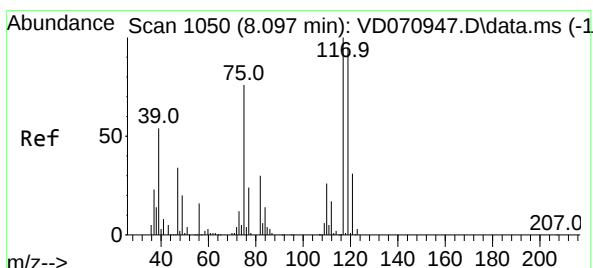
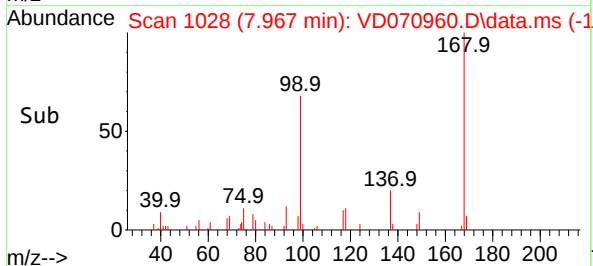
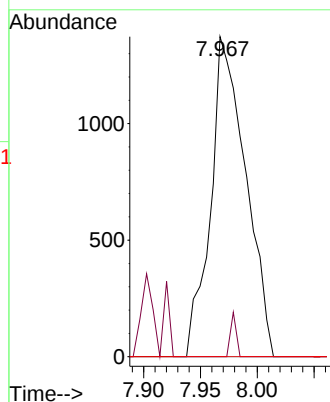
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	2950
Ion	Ratio	Lower	Upper
75	100		
110	2.3	17.8	53.4#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.694 ug/l

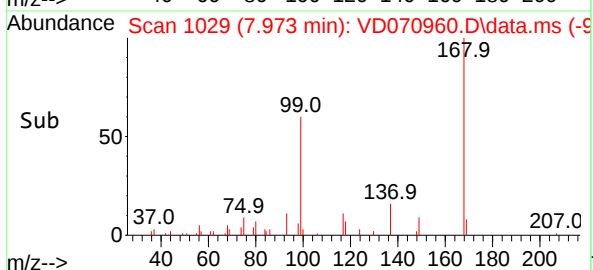
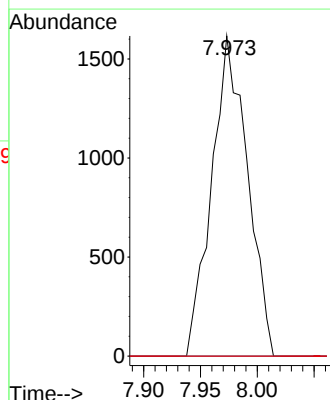
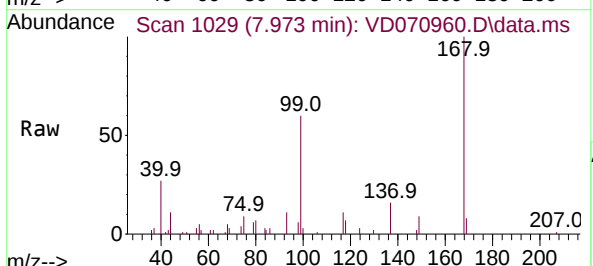
RT: 7.973 min Scan# 1029

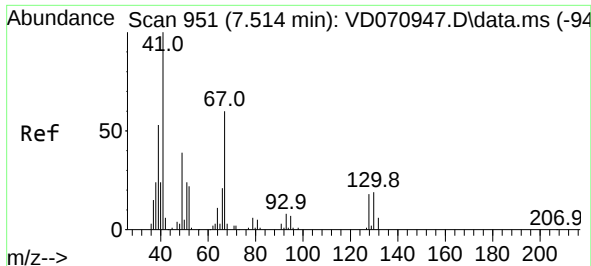
Delta R.T. -0.124 min

Lab File: VD070960.D

Acq: 09 Nov 2021 20:06

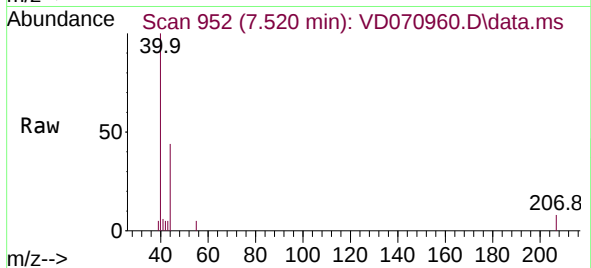
Tgt Ion:	117	Resp:	3547
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.8	113.6#
121	0.0	23.6	35.4#



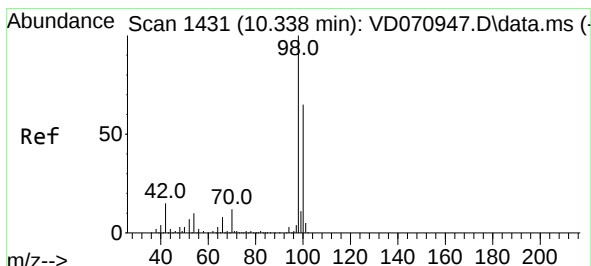
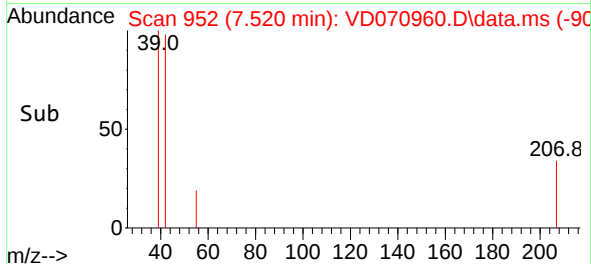
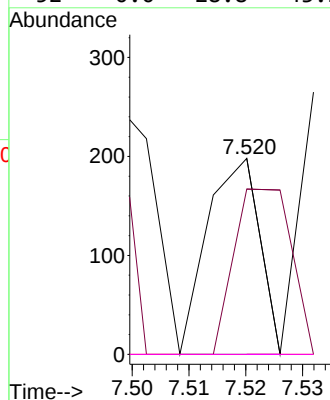


#41
Methacrylonitrile
Concen: 4.116 ug/l
RT: 7.520 min Scan# 91
Delta R.T. 0.006 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

Instrument :
MSVOA_D
ClientSampleId :

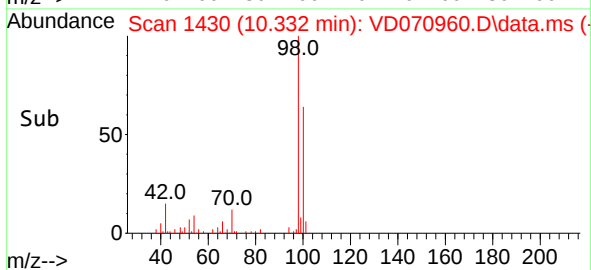
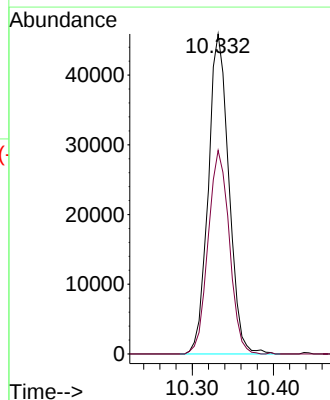
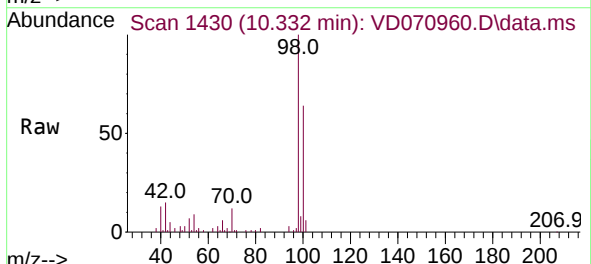


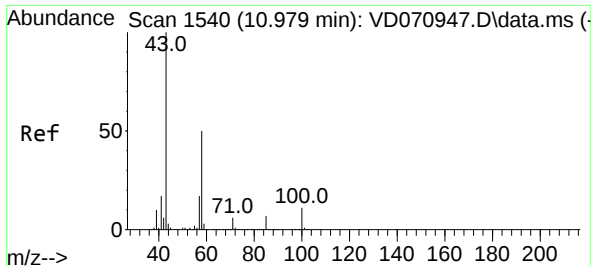
Tgt Ion: 41	Resp: 127
Ion Ratio	Lower Upper
41 100	
39 92.9	60.2 90.4#
67 0.0	74.8 112.2#
52 0.0	28.8 43.2#



#50
Toluene-d8
Concen: 56.671 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.006 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

Tgt Ion: 98	Resp: 80702		
Ion Ratio	Lower	Upper	
98 100			
100 65.3	51.8	77.6	

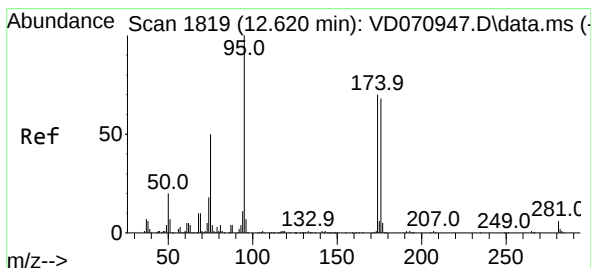
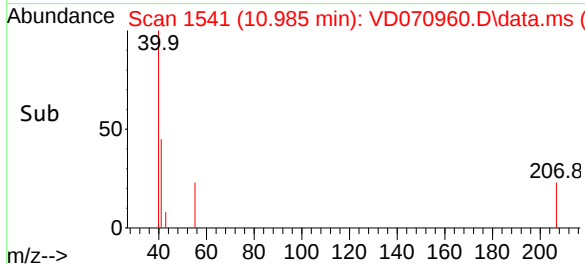
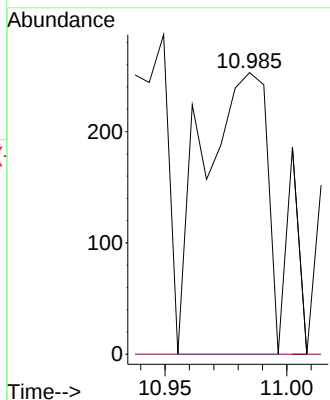
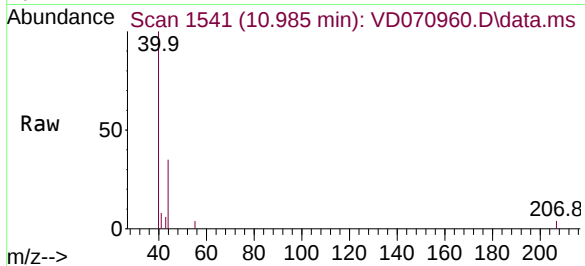




#59
2-Hexanone
Concen: 17.980 ug/l
RT: 10.985 min Scan# 1541
Delta R.T. 0.006 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

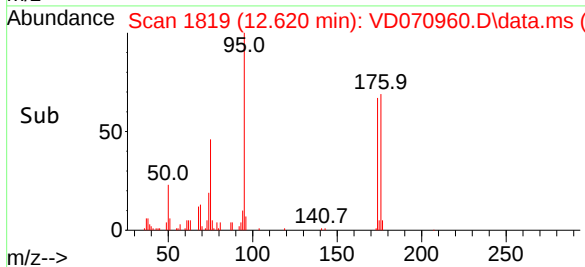
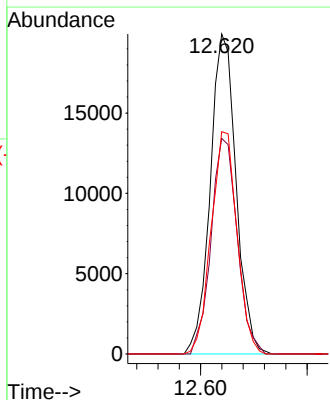
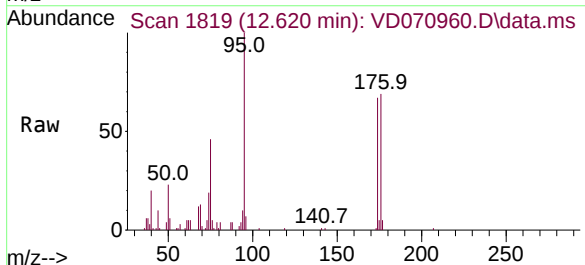
Instrument :
MSVOA_D
ClientSampleId :

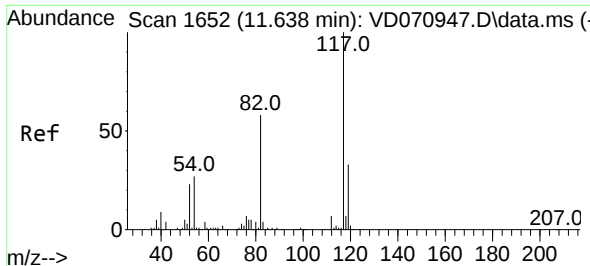
Tgt Ion: 43 Resp: 460
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 65.278 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

Tgt Ion: 95 Resp: 33471
Ion Ratio Lower Upper
95 100
174 68.2 0.0 159.4
176 69.6 0.0 154.0

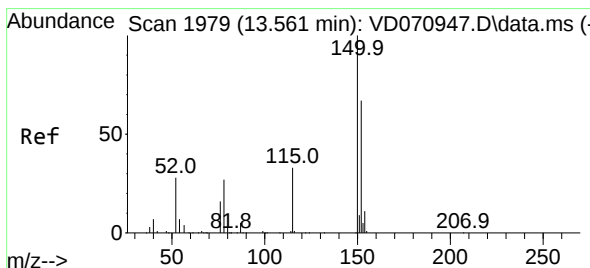
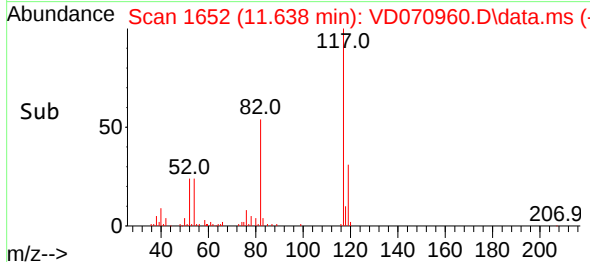
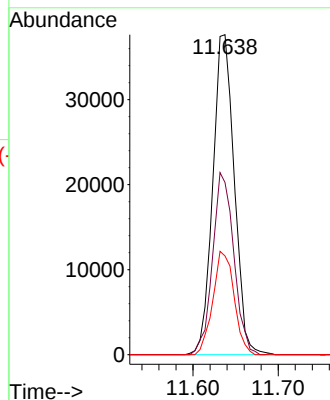
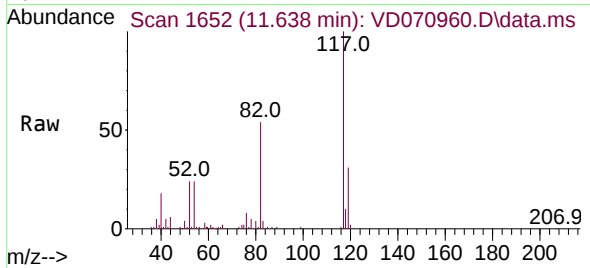




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

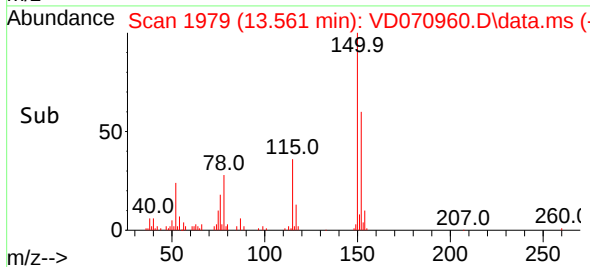
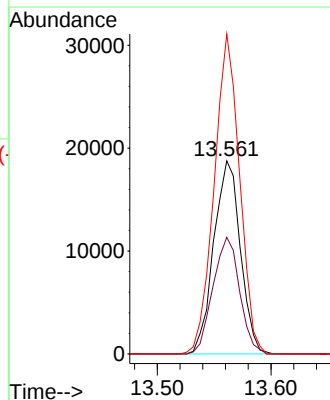
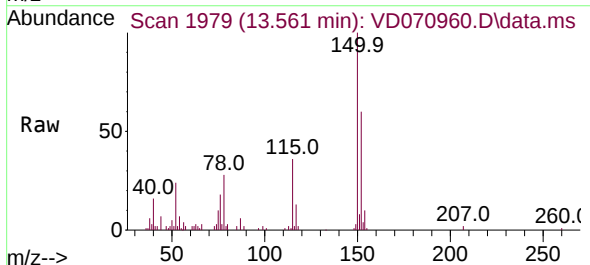
Instrument :
MSVOA_D
ClientSampleId :

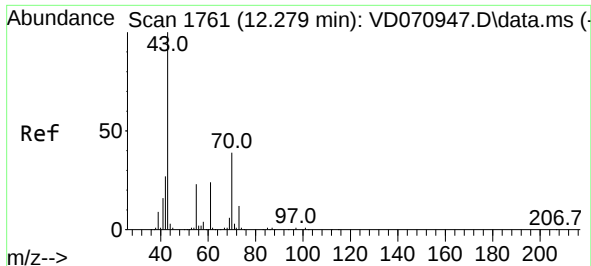
Tgt Ion:117 Resp: 66080
Ion Ratio Lower Upper
117 100
82 53.8 44.7 67.1
119 30.8 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

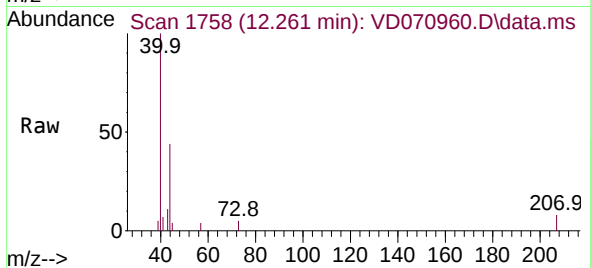
Tgt Ion:152 Resp: 30541
Ion Ratio Lower Upper
152 100
115 60.5 29.8 89.3
150 158.1 0.0 349.2



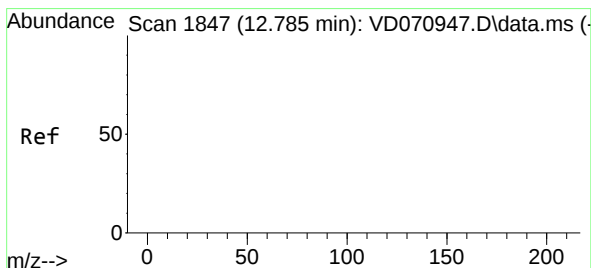
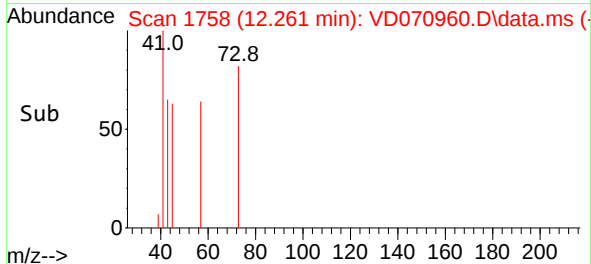
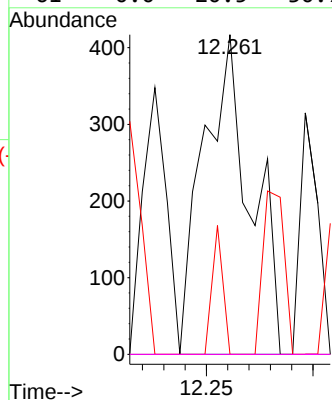


#74
N-amy1 acetate
Concen: 1.026 ug/l
RT: 12.261 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

Instrument :
MSVOA_D
ClientSampleId :

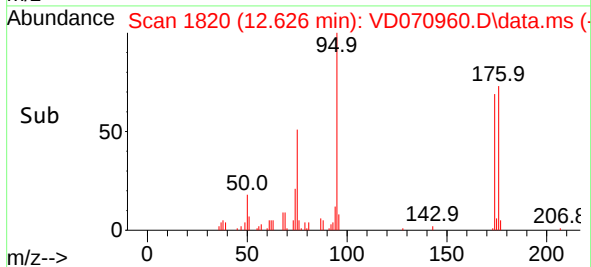
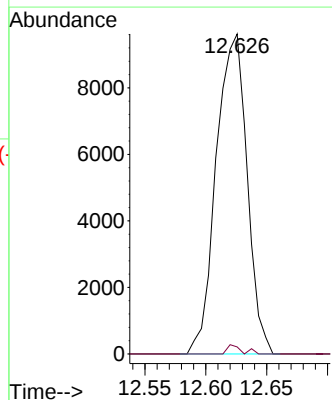
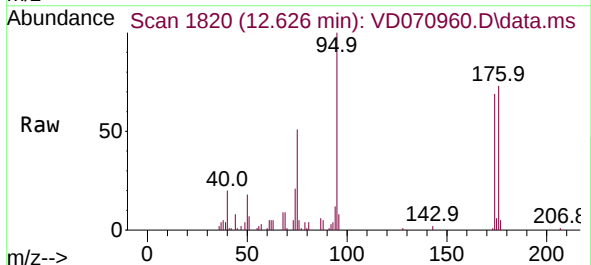


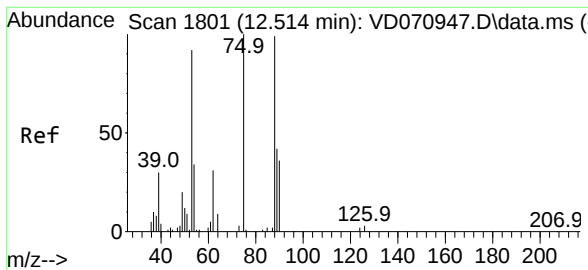
Tgt Ion: 43	Resp: 645
Ion Ratio	Lower Upper
43 100	
70 0.0	36.6 55.0#
55 9.1	22.5 33.7#
61 0.0	20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 65.010 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.159 min
Lab File: VD070960.D
Acq: 09 Nov 2021 20:06

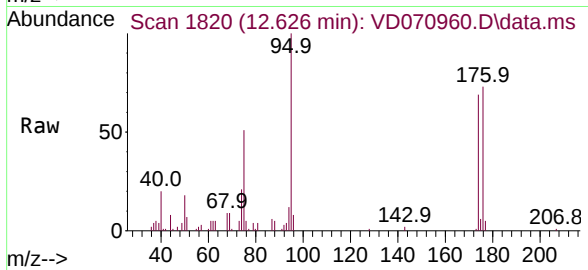
Tgt Ion: 75	Resp: 16960
Ion Ratio	Lower Upper
75 100	
77 1.4	158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 120.183 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VD070960.D
 Acq: 09 Nov 2021 20:06

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 16960
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

