

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD102021\
 Data File : VD070773.D
 Acq On : 20 Oct 2021 13:58
 Operator : VA/SY
 Sample : M4288-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SA-01-101921

Quant Time: Oct 21 05:37:57 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D101521S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 18 08:32:03 2021
 Response via : Initial Calibration

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

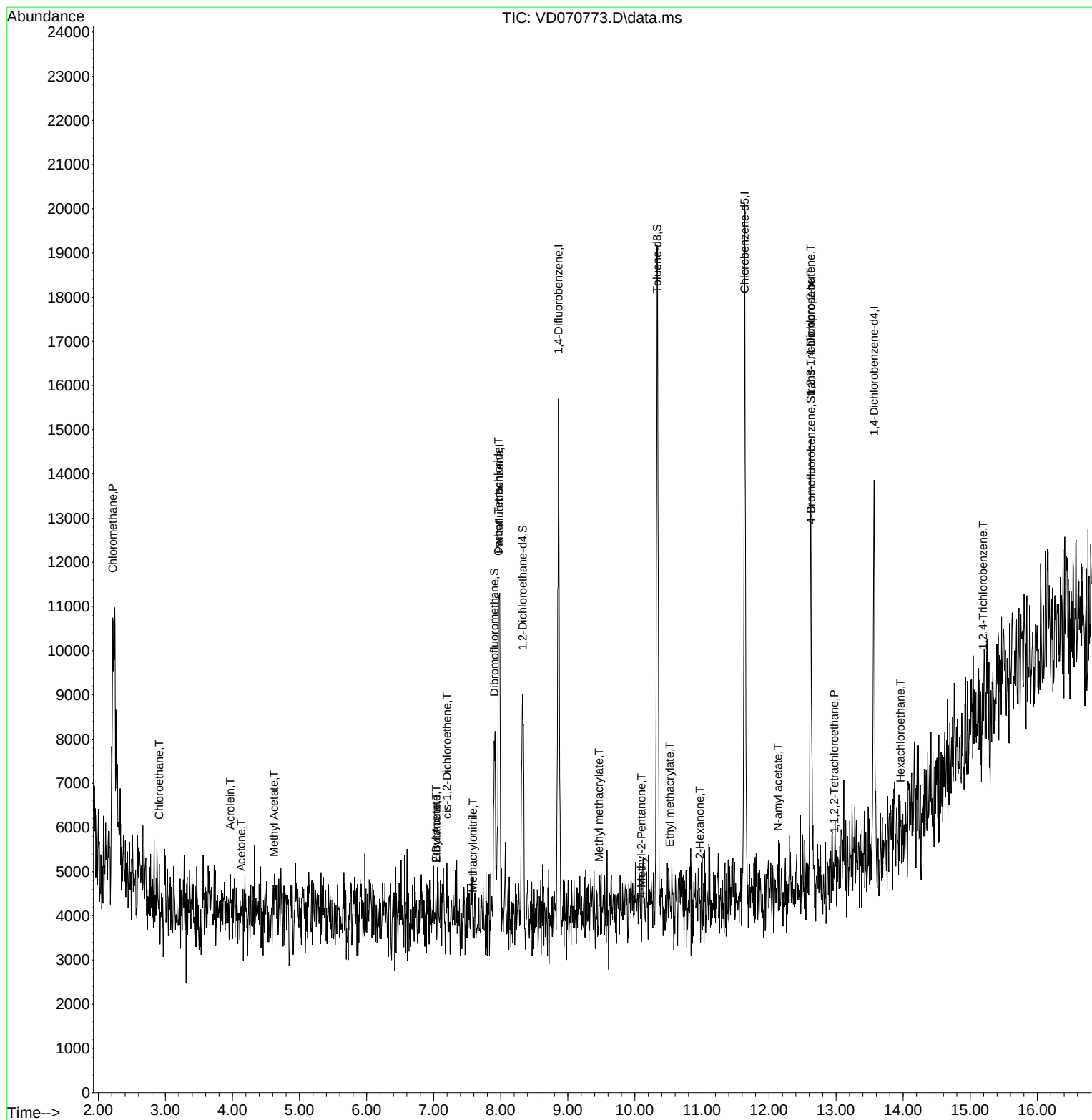
Internal Standards						
1) Pentafluorobenzene	7.979	168	5431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	8798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	8235	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	2685	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	4255	66.147	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.300%	
35) Dibromofluoromethane	7.903	113	2743	48.692	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.380%	
50) Toluene-d8	10.332	98	10076	46.659	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.320%	
62) 4-Bromofluorobenzene	12.626	95	2938	39.512	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.020%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.215	50	290	3.078	ug/l	# 42
6) Chloroethane	2.909	64	101	1.661	ug/l	# 41
13) Acrolein	3.968	56	62	17.789	ug/l	# 14
16) Acetone	4.132	43	183	11.795	ug/l	# 40
18) Methyl Acetate	4.621	43	56	1.038	ug/l	# 47
20) Methylene Chloride	4.956	84	90	Below Cal	#	9
25) 2-Butanone	7.038	43	130	6.782	ug/l	# 43
27) cis-1,2-Dichloroethene	7.197	96	76	1.047	ug/l	# 1
37) Ethyl Acetate	7.038	43	130	3.202	ug/l	# 65
38) Carbon Tetrachloride	7.967	117	393	4.186	ug/l	# 12
41) Methacrylonitrile	7.585	41	55	4.008	ug/l	# 16
48) Methyl methacrylate	9.467	41	77	2.029	ug/l	# 11
51) 4-Methyl-2-Pentanone	10.097	43	55	1.347	ug/l	# 32
56) Ethyl methacrylate	10.520	69	73	5.158	ug/l	# 43
59) 2-Hexanone	10.967	43	82	2.854	ug/l	# 20
74) N-amyl acetate	12.132	43	60	1.205	ug/l	# 37
75) 1,1,2,2-Tetrachloroethane	12.973	83	68	1.797	ug/l	# 26
76) 1,2,3-Trichloropropane	12.620	75	1362	58.714	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.620	75	1362	128.601	ug/l	# 17
90) Hexachloroethane	13.961	117	66	1.811	ug/l	# 18
93) 1,2,4-Trichlorobenzene	15.191	180	68	1.529	ug/l	# 12

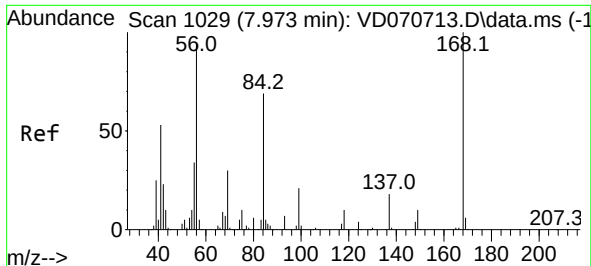
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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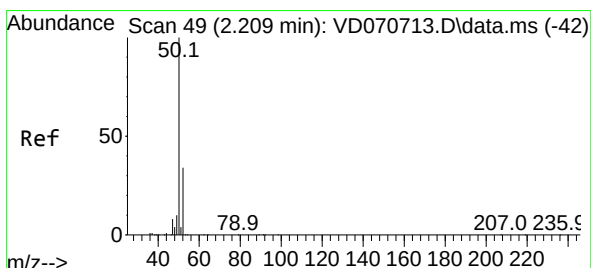
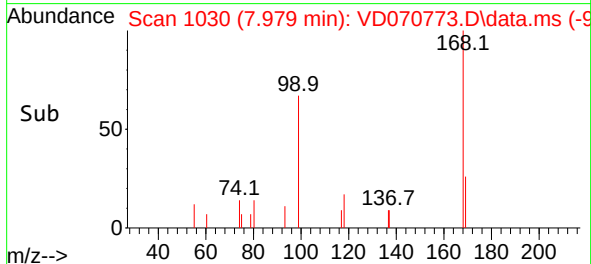
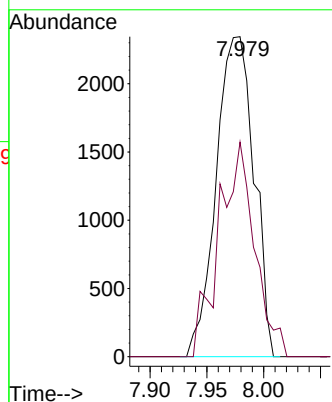
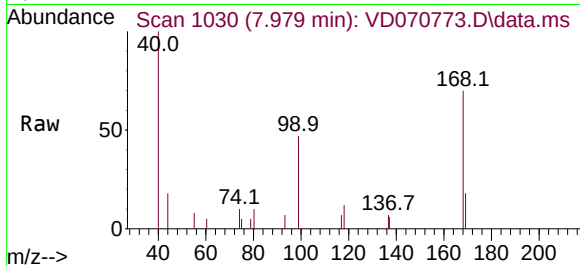




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. 0.006 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

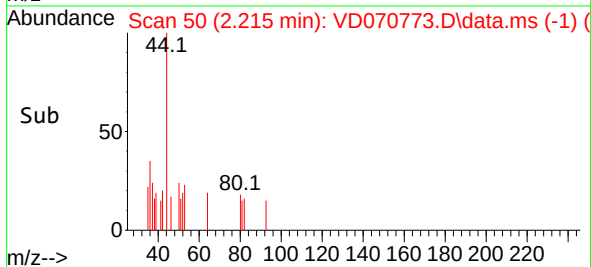
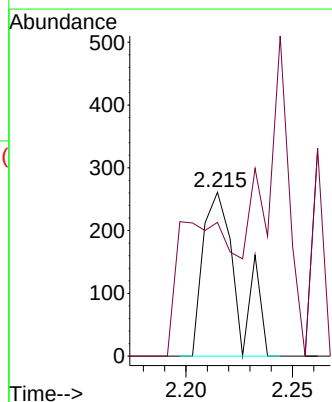
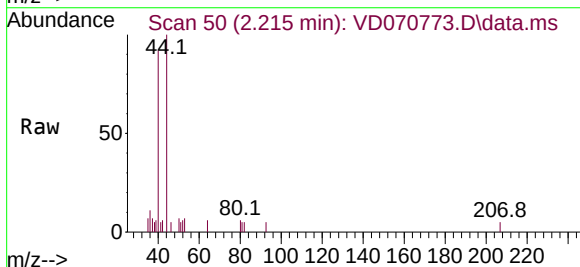
Instrument :
MSVOA_D
ClientSampleId :
SA-01-101921

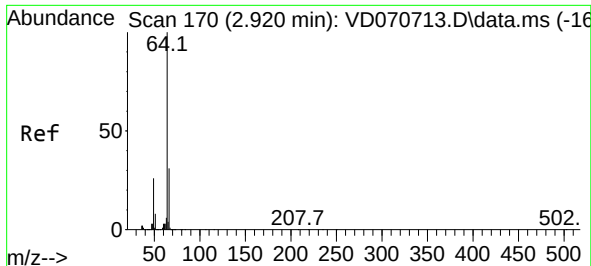
Tgt Ion:168 Resp: 5431
Ion Ratio Lower Upper
168 100
99 67.0 51.4 77.0



#3
Chloromethane
Concen: 3.078 ug/l
RT: 2.215 min Scan# 50
Delta R.T. 0.006 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

Tgt Ion: 50 Resp: 290
Ion Ratio Lower Upper
50 100
52 0.0 26.0 39.0#

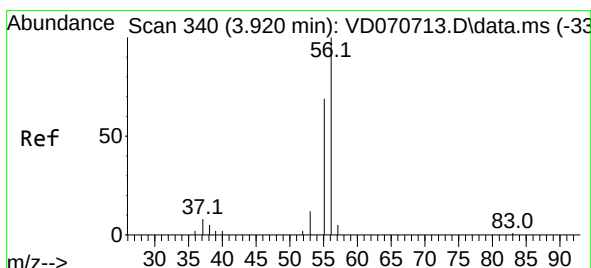
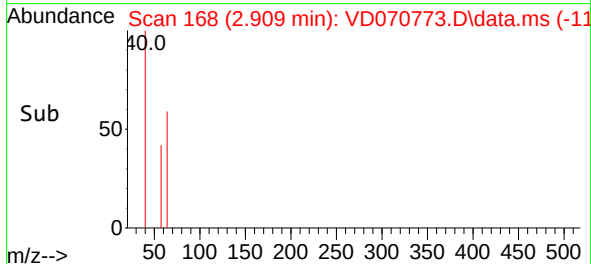
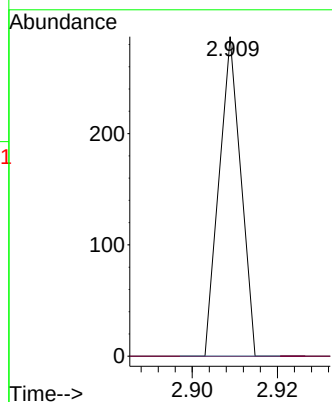
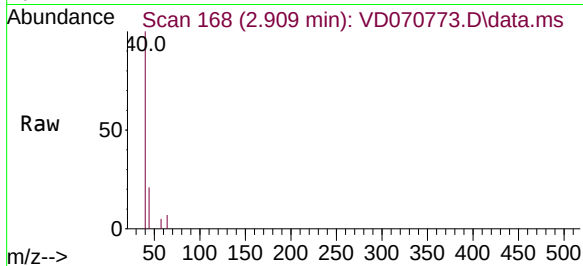




#6
Chloroethane
Concen: 1.661 ug/l
RT: 2.909 min Scan# 168
Delta R.T. -0.012 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

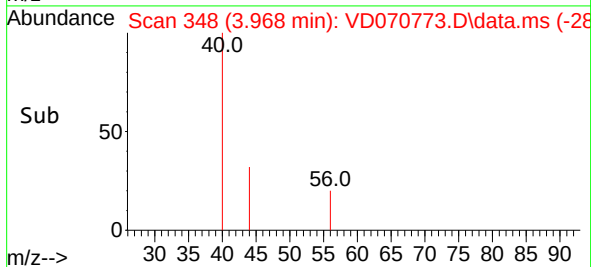
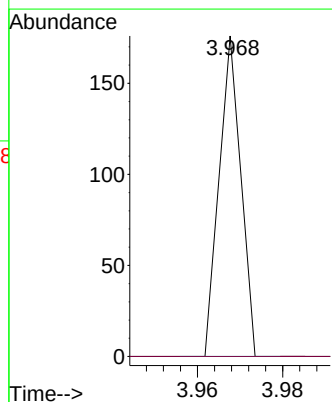
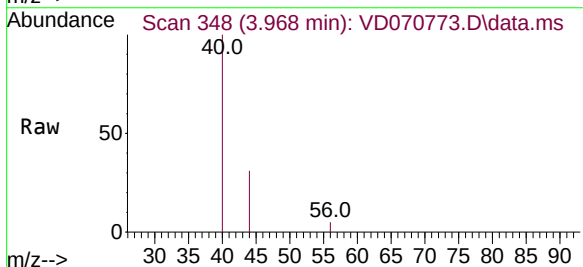
Instrument :
MSVOA_D
ClientSampleId :
SA-01-101921

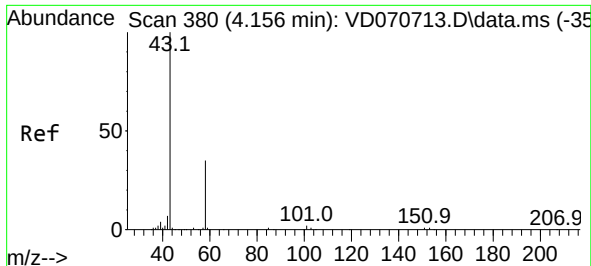
Tgt Ion: 64 Resp: 101
Ion Ratio Lower Upper
64 100
66 0.0 26.6 40.0#



#13
Acrolein
Concen: 17.789 ug/l
RT: 3.968 min Scan# 348
Delta R.T. 0.047 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

Tgt Ion: 56 Resp: 62
Ion Ratio Lower Upper
56 100
55 0.0 56.8 85.2#

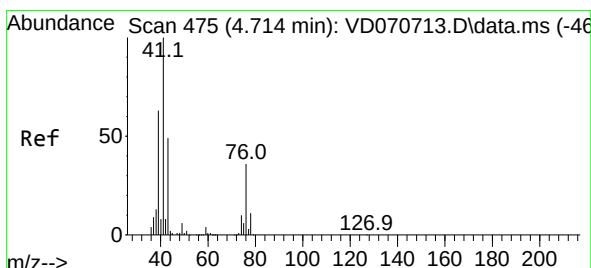
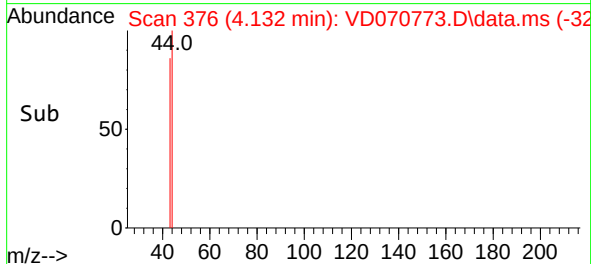
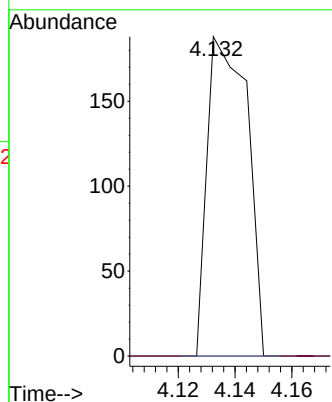
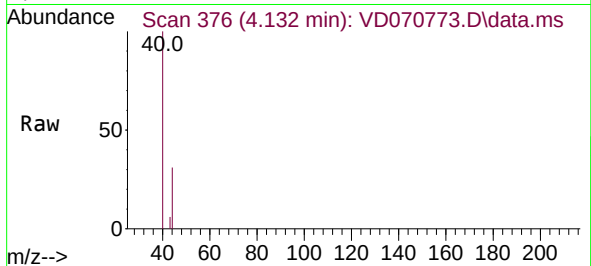




#16
Acetone
Concen: 11.795 ug/l
RT: 4.132 min Scan# 376
Delta R.T. -0.023 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

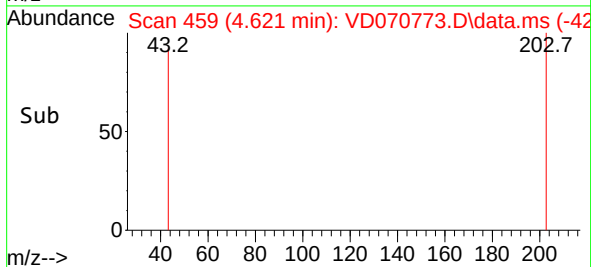
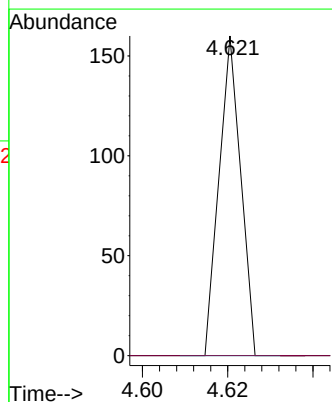
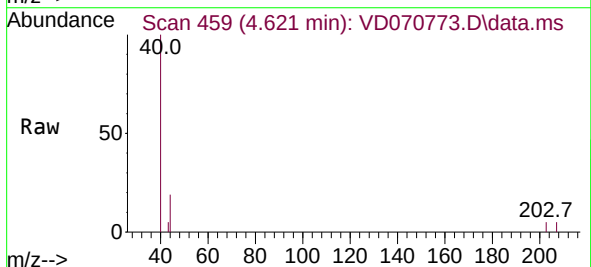
Instrument :
MSVOA_D
ClientSampleId :
SA-01-101921

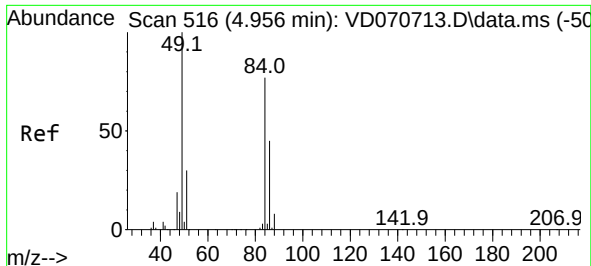
Tgt Ion: 43 Resp: 183
Ion Ratio Lower Upper
43 100
58 0.0 28.2 42.2#



#18
Methyl Acetate
Concen: 1.038 ug/l
RT: 4.621 min Scan# 459
Delta R.T. -0.094 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
74 0.0 22.6 33.8#





#20

Methylene Chloride

Concen: Below Cal

RT: 4.956 min Scan# 516

Delta R.T. -0.000 min

Lab File: VD070773.D

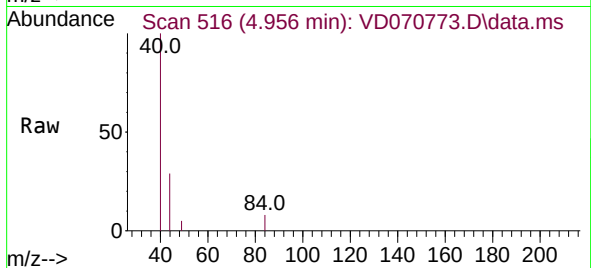
Acq: 20 Oct 2021 13:58

Instrument :

MSVOA_D

ClientSampleId :

SA-01-101921



Tgt Ion: 84 Resp: 90

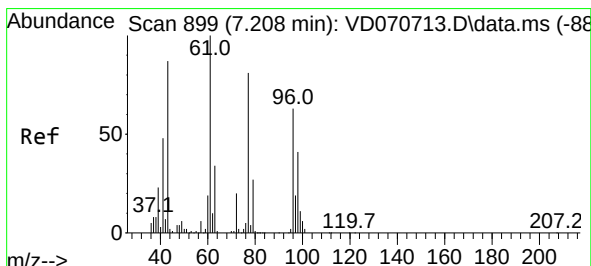
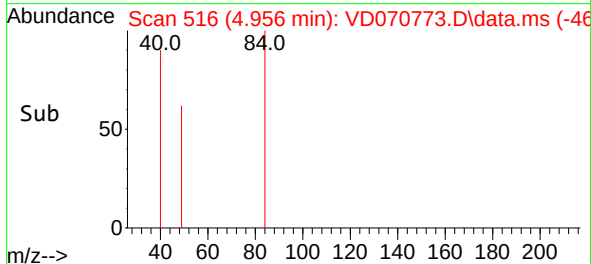
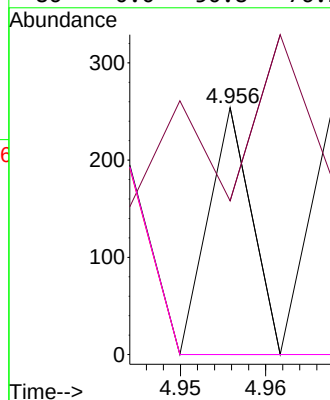
Ion Ratio Lower Upper

84 100

49 0.0 91.4 137.2#

51 0.0 26.7 40.1#

86 0.0 50.8 76.2#



#25

2-Butanone

Concen: 6.782 ug/l

RT: 7.038 min Scan# 870

Delta R.T. -0.170 min

Lab File: VD070773.D

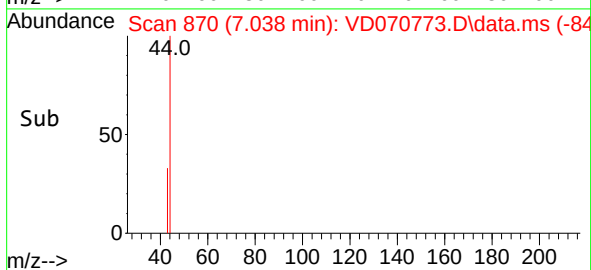
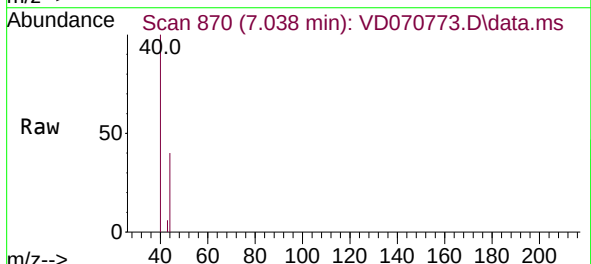
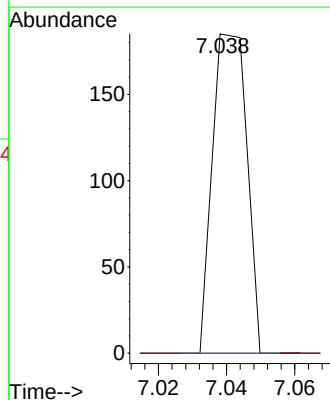
Acq: 20 Oct 2021 13:58

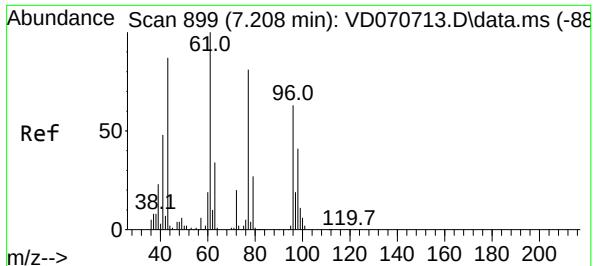
Tgt Ion: 43 Resp: 130

Ion Ratio Lower Upper

43 100

72 0.0 25.2 37.8#





#27

cis-1,2-Dichloroethene

Concen: 1.047 ug/l

RT: 7.197 min Scan# 897

Delta R.T. -0.012 min

Lab File: VD070773.D

Acq: 20 Oct 2021 13:58

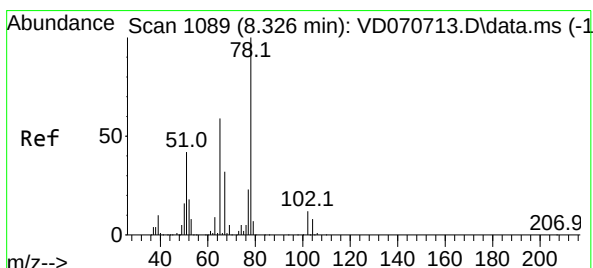
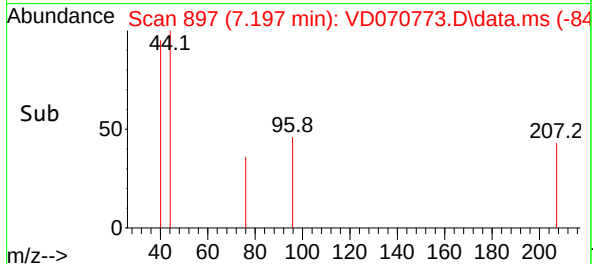
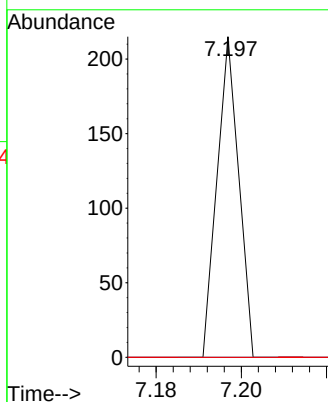
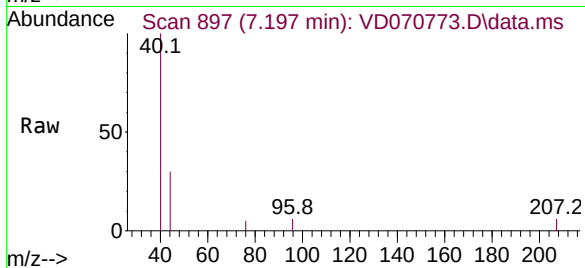
Instrument :

MSVOA_D

ClientSampleId :

SA-01-101921

Tgt Ion: 96	Resp:	76
Ion	Ratio	Lower Upper
96	100	
61	0.0	0.0 278.2
98	0.0	0.0 128.6



#33

1,2-Dichloroethane-d4

Concen: 66.147 ug/l

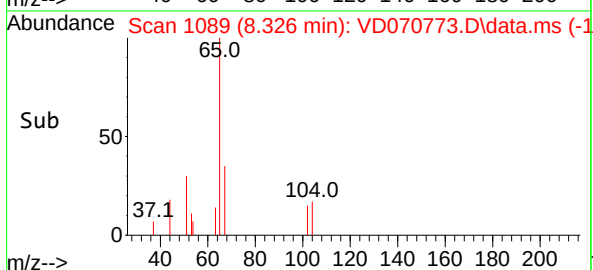
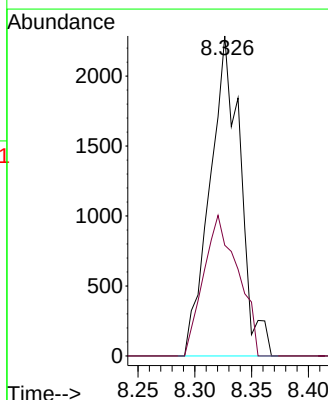
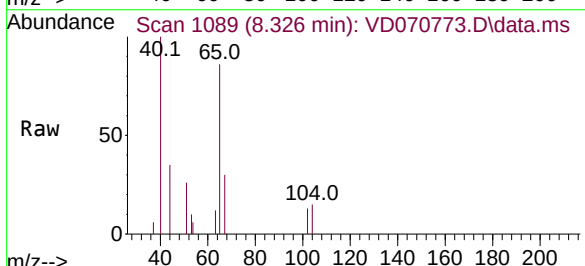
RT: 8.326 min Scan# 1089

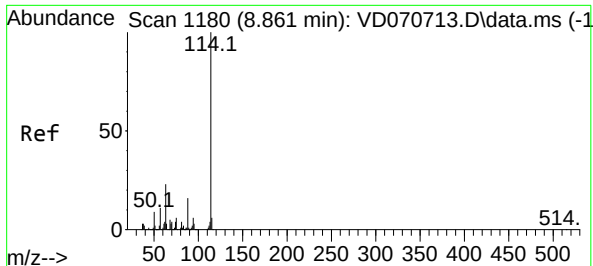
Delta R.T. 0.000 min

Lab File: VD070773.D

Acq: 20 Oct 2021 13:58

Tgt Ion: 65	Resp:	4255
Ion	Ratio	Lower Upper
65	100	
67	50.0	0.0 110.2



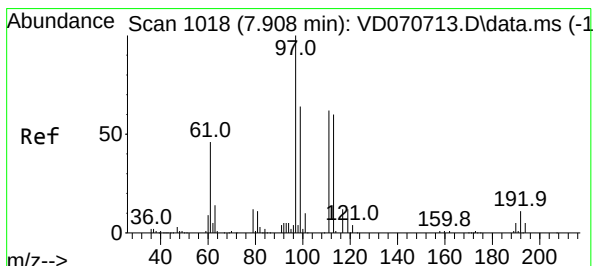
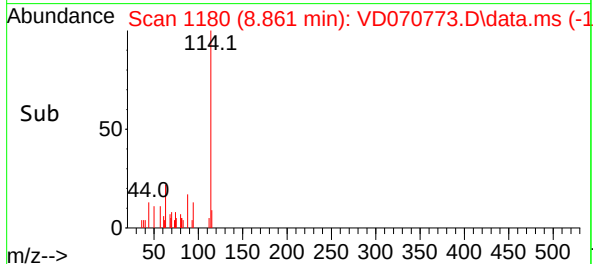
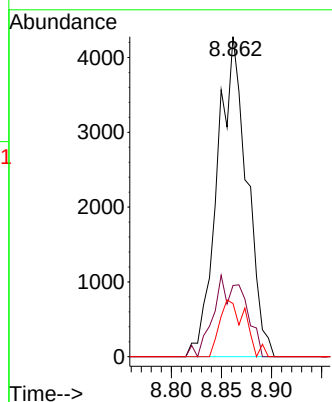
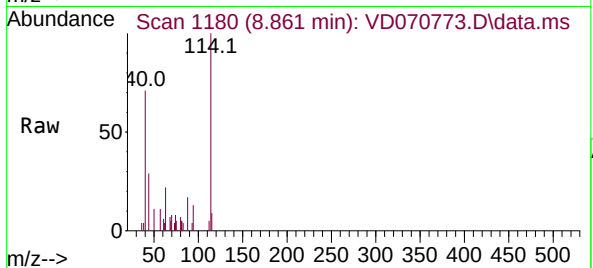


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

Instrument :
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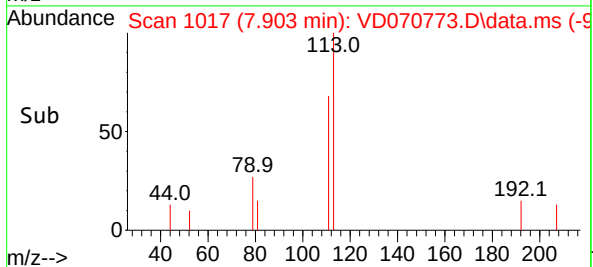
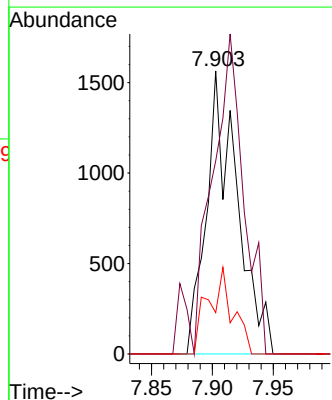
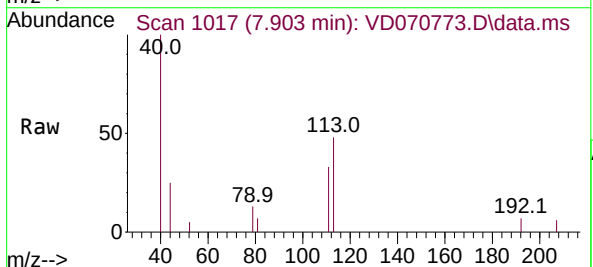
Tgt Ion:	114	Resp:	8798
Ion Ratio	Lower	Upper	
114	100		
63	22.3	0.0	41.8
88	16.6	0.0	32.6

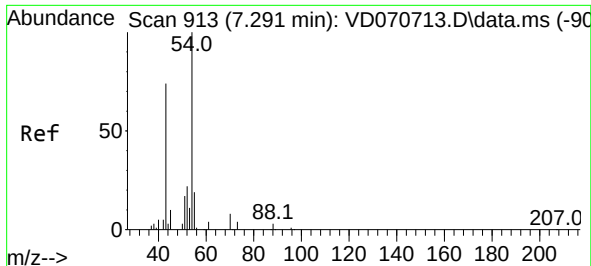


#35

Dibromofluoromethane
Concen: 48.692 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.006 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

Tgt Ion:	113	Resp:	2743
Ion Ratio	Lower	Upper	
113	100		
111	122.8	83.1	124.7
192	24.3	12.7	19.1#





#37

Ethyl Acetate

Concen: 3.202 ug/l

RT: 7.038 min Scan# 870

Delta R.T. -0.253 min

Lab File: VD070773.D

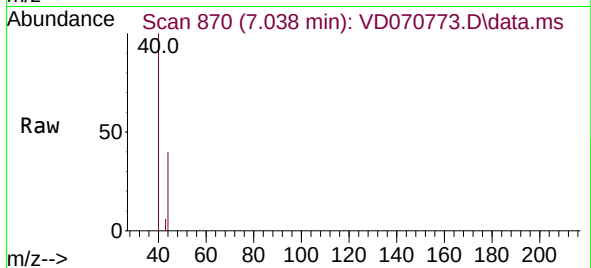
Acq: 20 Oct 2021 13:58

Instrument :

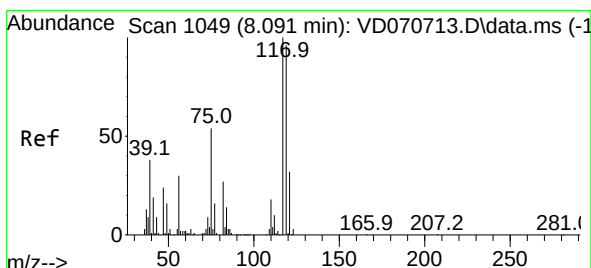
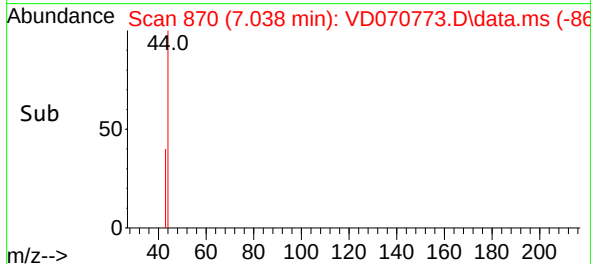
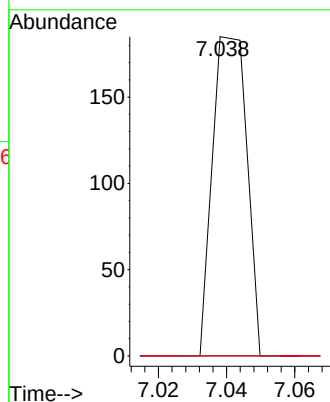
MSVOA_D

ClientSampleId :

SA-01-101921



Tgt Ion:	43	Resp:	130
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.9	19.3#
70	0.0	9.9	14.9#



#38

Carbon Tetrachloride

Concen: 4.186 ug/l

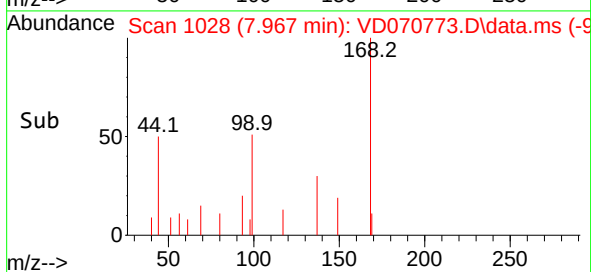
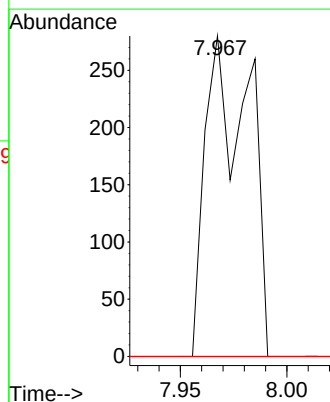
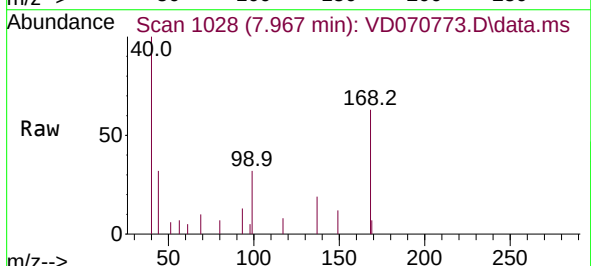
RT: 7.967 min Scan# 1028

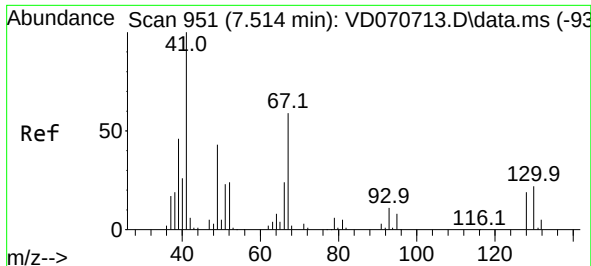
Delta R.T. -0.123 min

Lab File: VD070773.D

Acq: 20 Oct 2021 13:58

Tgt Ion:	117	Resp:	393
Ion	Ratio	Lower	Upper
117	100		
119	0.0	77.4	116.0#
121	0.0	25.4	38.0#

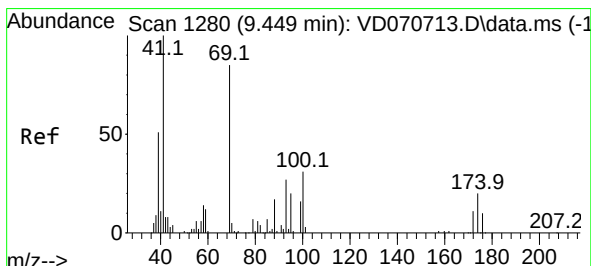
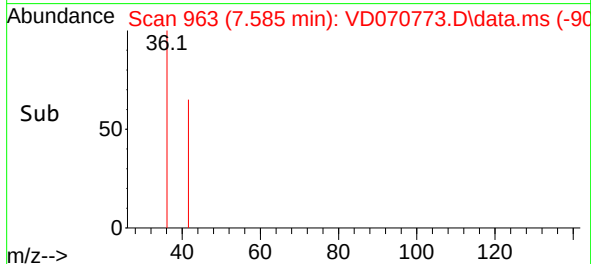
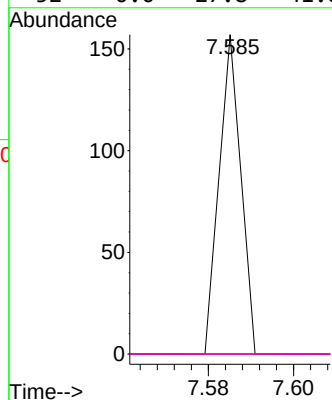
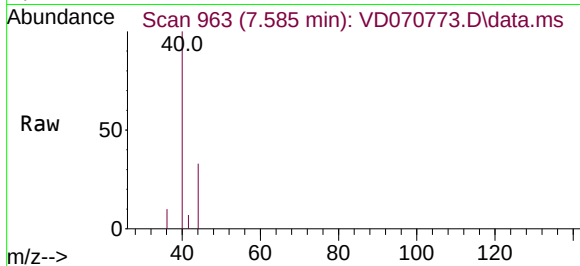




#41
Methacrylonitrile
Concen: 4.008 ug/l
RT: 7.585 min Scan# 963
Delta R.T. 0.071 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

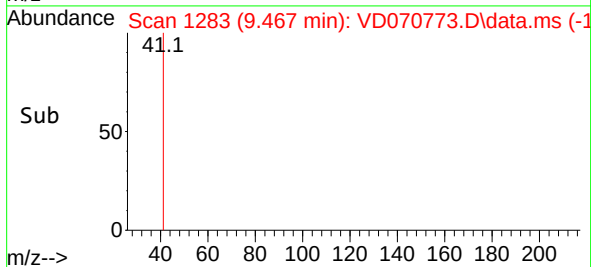
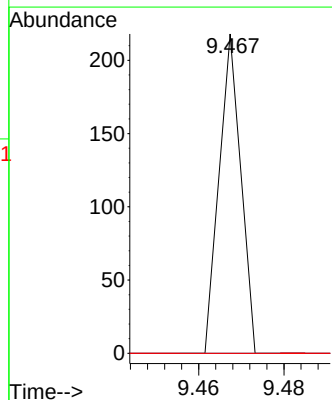
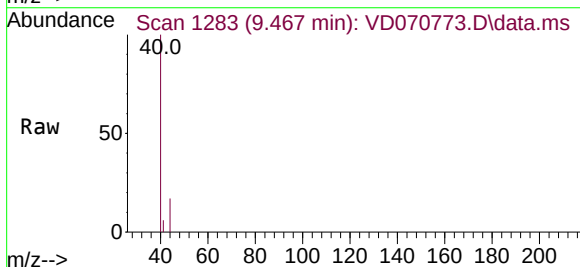
Instrument :
MSVOA_D
ClientSampleId :
SA-01-101921

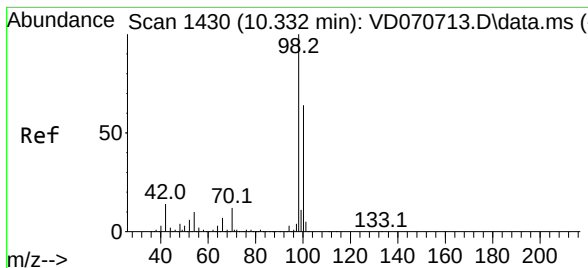
Tgt Ion: 41	Resp: 55
Ion Ratio	Lower Upper
41 100	
39 0.0	45.2 67.8#
67 0.0	75.8 113.6#
52 0.0	27.8 41.8#



#48
Methyl methacrylate
Concen: 2.029 ug/l
RT: 9.467 min Scan# 1283
Delta R.T. 0.018 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

Tgt Ion: 41	Resp: 77
Ion Ratio	Lower Upper
41 100	
69 0.0	78.5 117.7#
39 0.0	34.9 52.3#

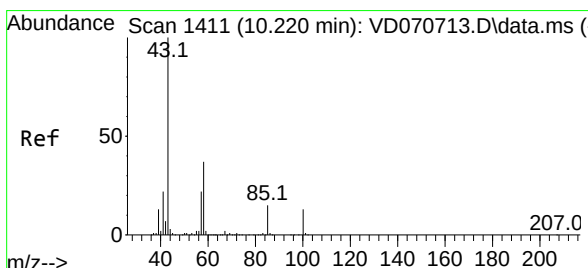
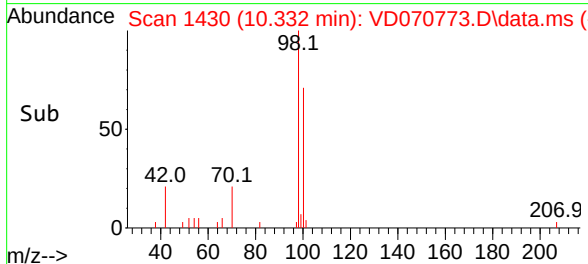
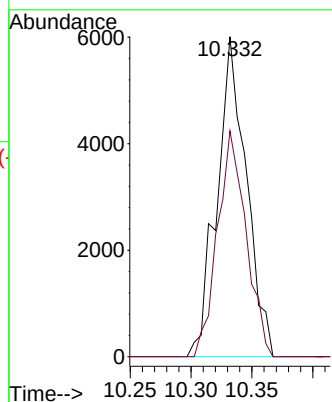
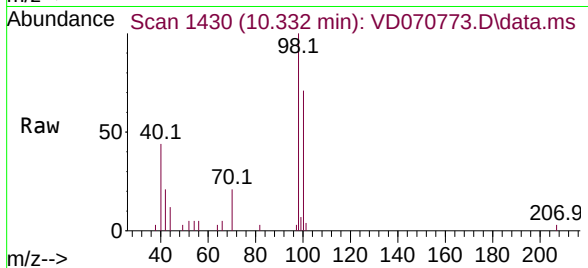




#50
Toluene-d8
Concen: 46.659 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

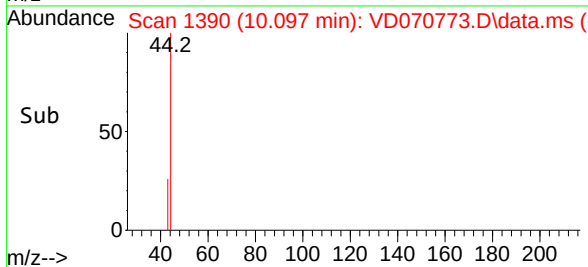
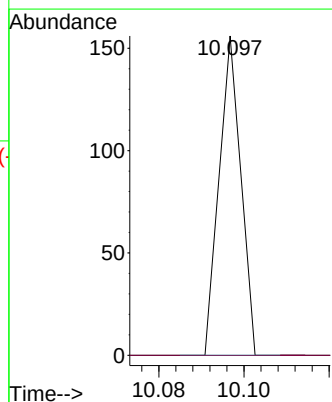
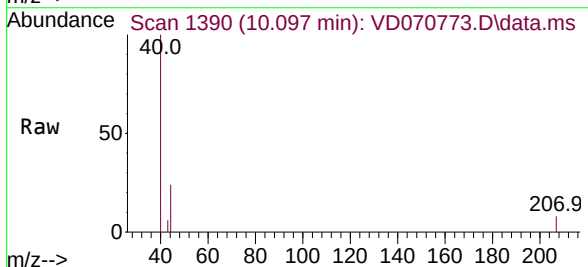
Instrument :
MSVOA_D
ClientSampleId :
SA-01-101921

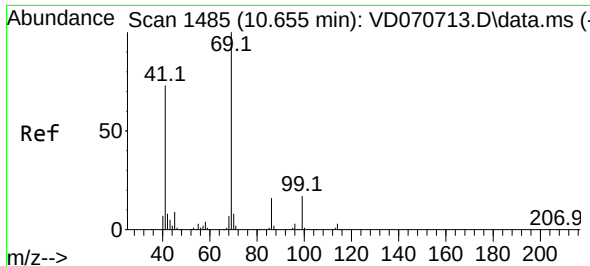
Tgt Ion: 98 Resp: 10076
Ion Ratio Lower Upper
98 100
100 68.7 52.2 78.4



#51
4-Methyl-2-Pentanone
Concen: 1.347 ug/l
RT: 10.097 min Scan# 1390
Delta R.T. -0.123 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 35.0 52.6#

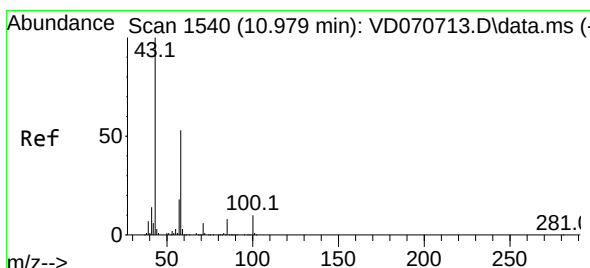
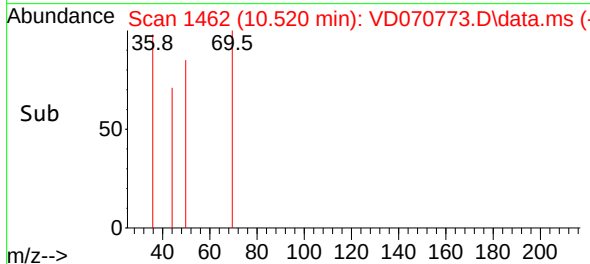
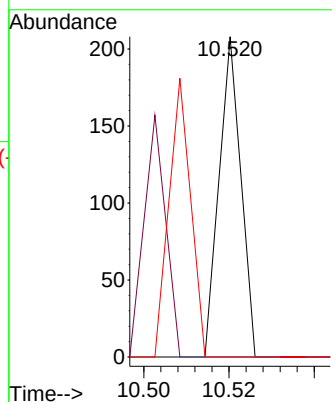
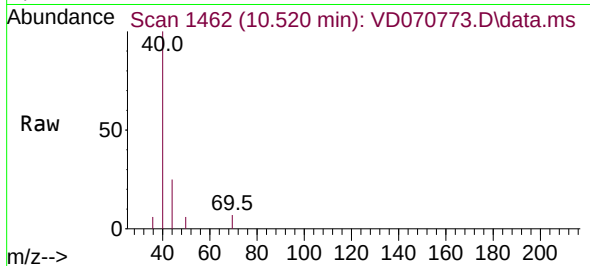




#56
Ethyl methacrylate
Concen: 5.158 ug/l
RT: 10.520 min Scan# 1462
Delta R.T. -0.135 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

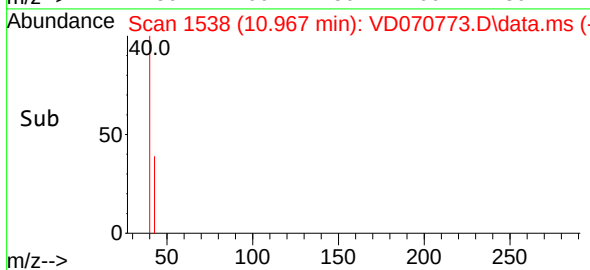
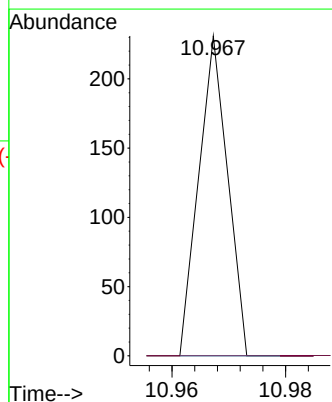
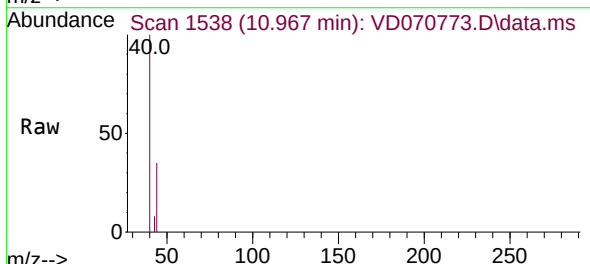
Instrument :
MSVOA_D
ClientSampleId :
SA-01-101921

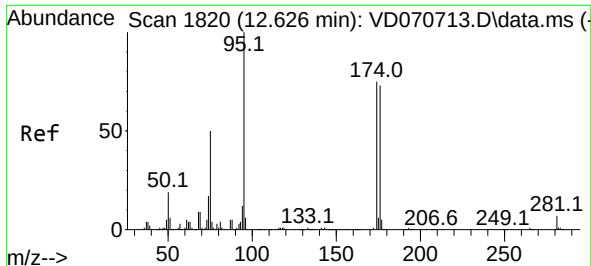
Tgt Ion: 69 Resp: 73
Ion Ratio Lower Upper
69 100
41 75.3 44.7 67.1#
39 87.7 19.5 29.3#



#59
2-Hexanone
Concen: 2.854 ug/l
RT: 10.967 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
58 0.0 30.4 91.3#

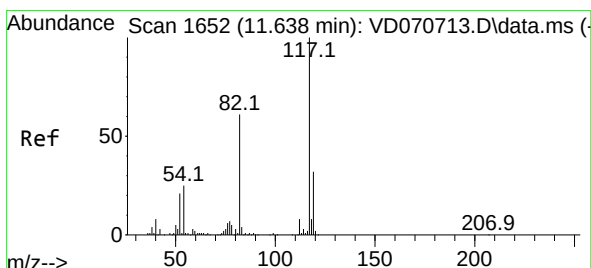
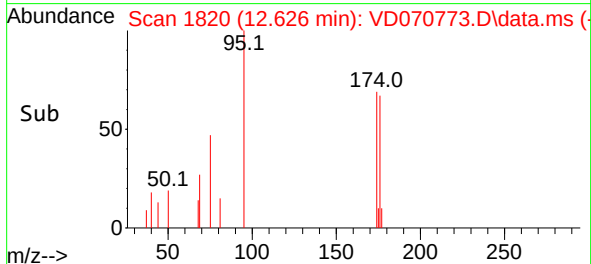
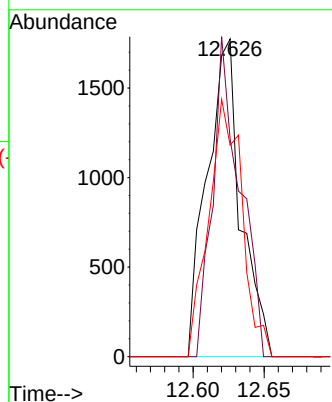
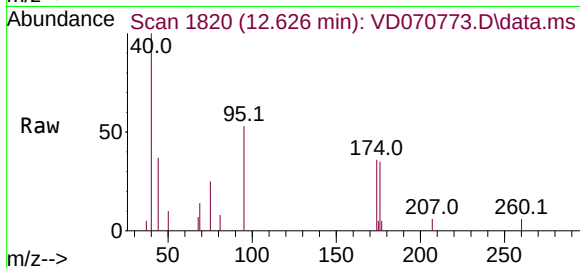




#62
4-Bromofluorobenzene
Concen: 39.512 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.000 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

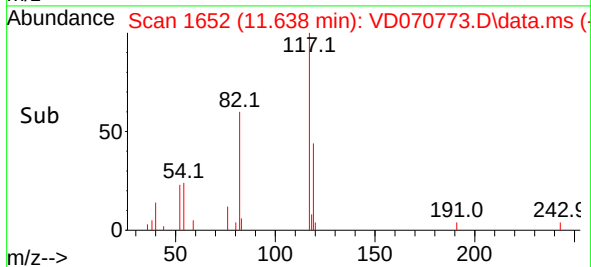
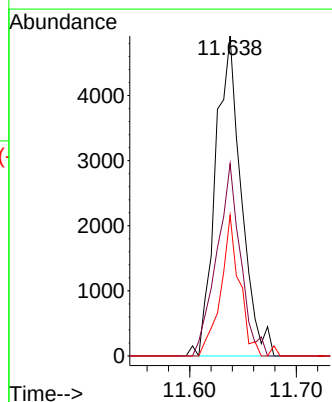
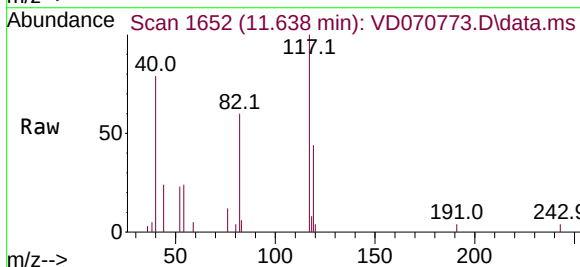
Instrument :
MSVOA_D
ClientSampleId :
SA-01-101921

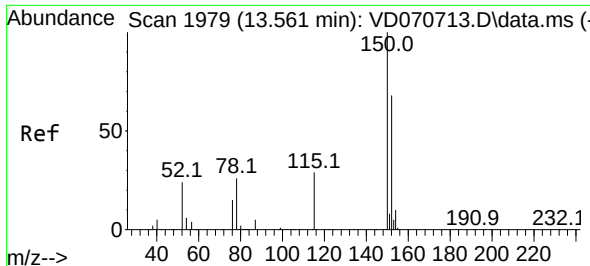
Tgt Ion:	95	Resp:	2938
Ion	Ratio	Lower	Upper
95	100		
174	81.0	0.0	138.0
176	79.7	0.0	135.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

Tgt Ion:	117	Resp:	8235
Ion	Ratio	Lower	Upper
117	100		
82	60.1	45.4	68.2
119	44.0	24.7	37.1

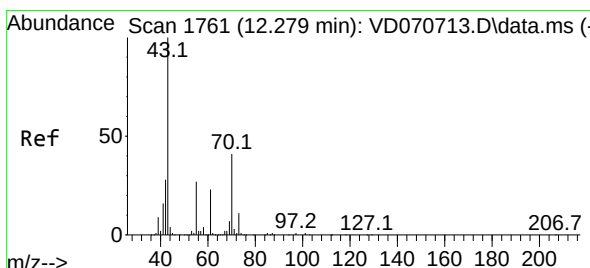
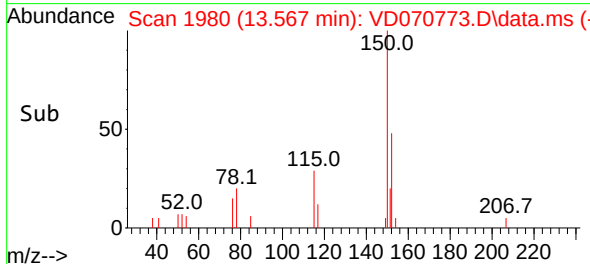
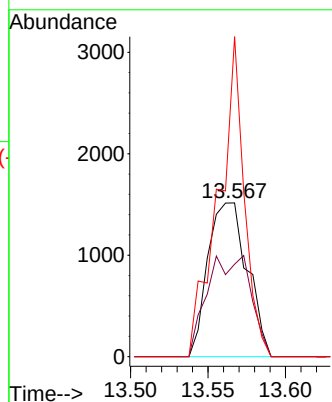
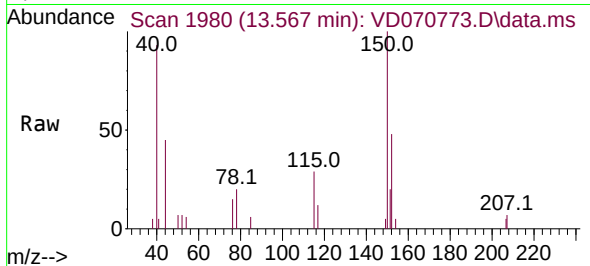




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

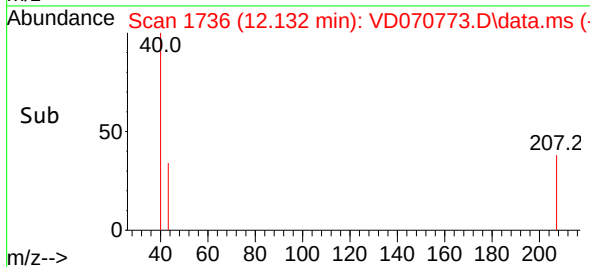
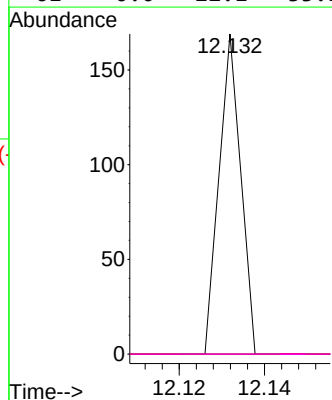
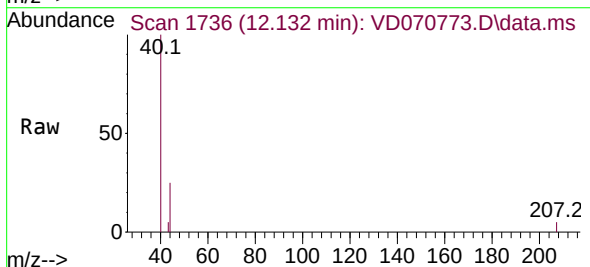
Instrument :
MSVOA_D
ClientSampleId :
SA-01-101921

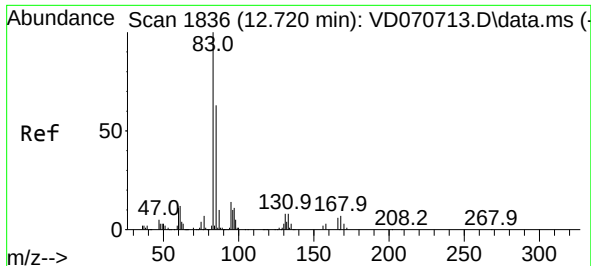
Tgt Ion:152 Resp: 2685
Ion Ratio Lower Upper
152 100
115 72.3 31.9 95.7
150 135.8 0.0 350.0



#74
N-ethyl acetate
Concen: 1.205 ug/l
RT: 12.132 min Scan# 1736
Delta R.T. -0.147 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

Tgt Ion: 43 Resp: 60
Ion Ratio Lower Upper
43 100
70 0.0 40.0 60.0#
55 0.0 23.8 35.6#
61 0.0 22.1 33.1#

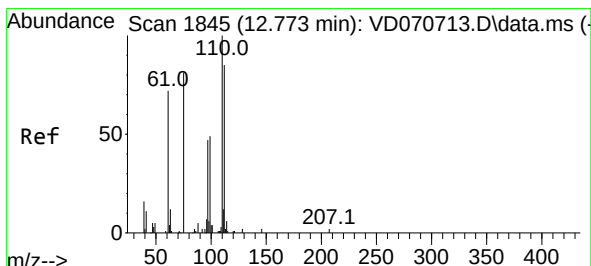
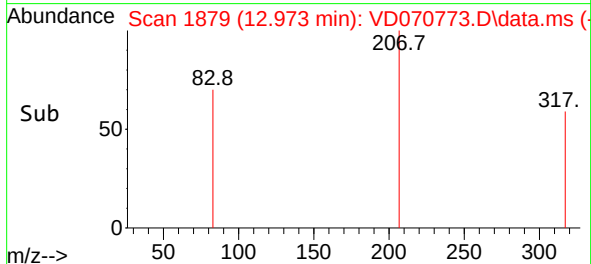
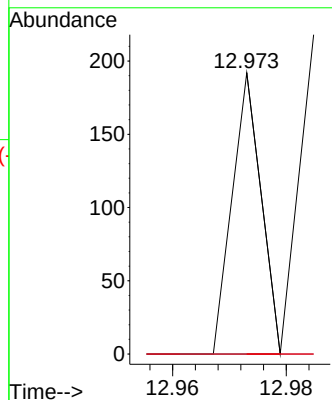
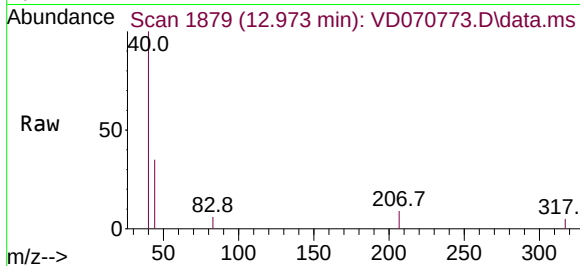




#75
1,1,2,2-Tetrachloroethane
Concen: 1.797 ug/l
RT: 12.973 min Scan# 1879
Delta R.T. 0.253 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

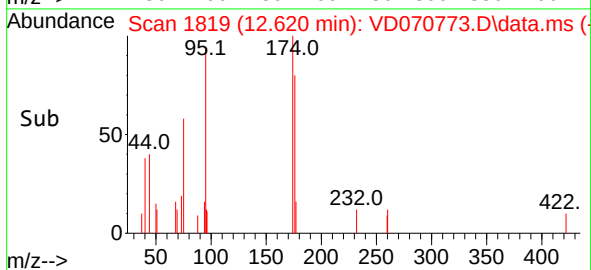
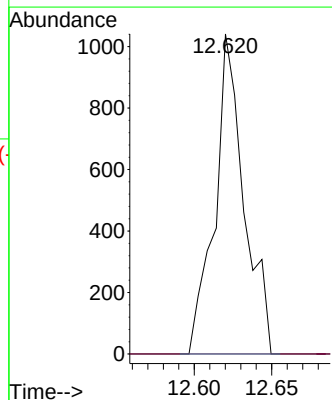
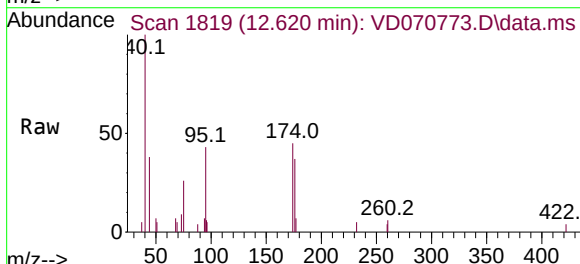
Instrument :
MSVOA_D
ClientSampleId :
SA-01-101921

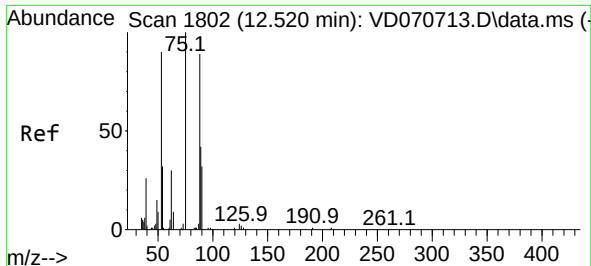
Tgt Ion: 83 Resp: 68
Ion Ratio Lower Upper
83 100
131 0.0 4.9 14.7#
85 0.0 31.9 95.7#



#76
1,2,3-Trichloropropane
Concen: 58.714 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

Tgt Ion: 75 Resp: 1362
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

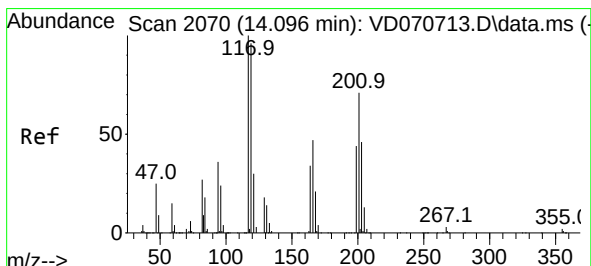
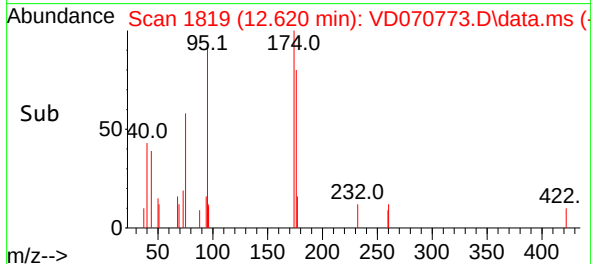
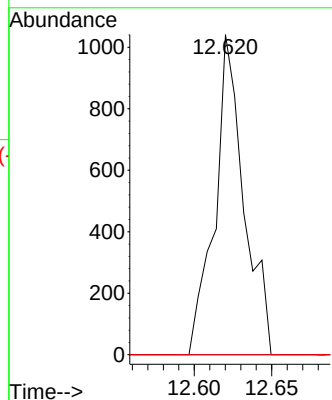
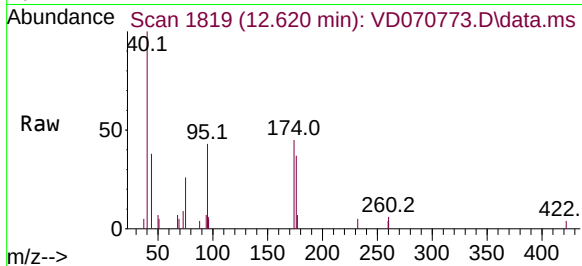




#81
trans-1,4-Dichloro-2-butene
Concen: 128.601 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

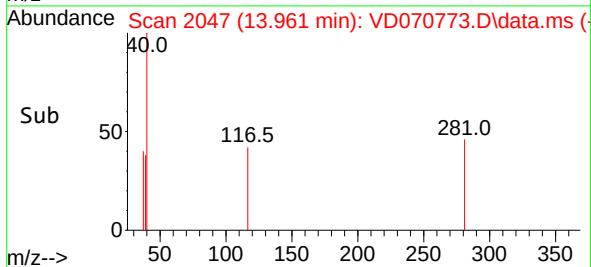
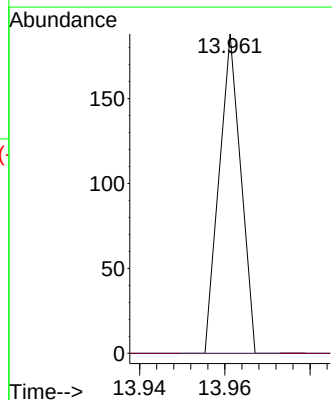
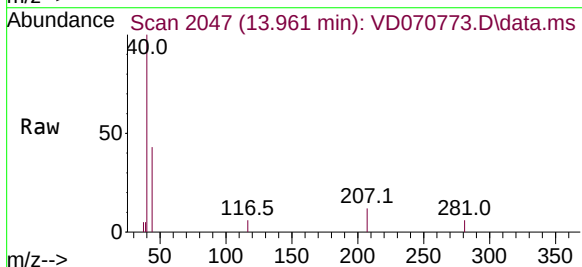
Instrument :
MSVOA_D
ClientSampleId :
SA-01-101921

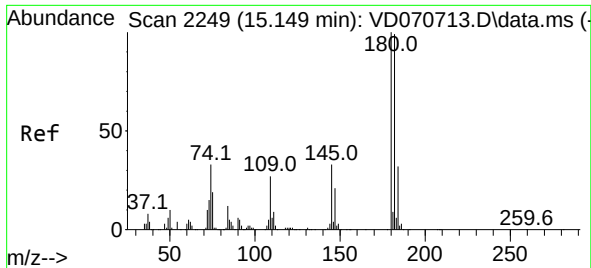
Tgt Ion: 75 Resp: 1362
Ion Ratio Lower Upper
75 100
53 0.0 64.5 96.7#
89 0.0 35.3 52.9#



#90
Hexachloroethane
Concen: 1.811 ug/l
RT: 13.961 min Scan# 2047
Delta R.T. -0.135 min
Lab File: VD070773.D
Acq: 20 Oct 2021 13:58

Tgt Ion: 117 Resp: 66
Ion Ratio Lower Upper
117 100
201 0.0 31.9 95.9#





#93
 1,2,4-Trichlorobenzene
 Concen: 1.529 ug/l
 RT: 15.191 min Scan# 2256
 Delta R.T. 0.041 min
 Lab File: VD070773.D
 Acq: 20 Oct 2021 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 SA-01-101921

Tgt Ion:180 Resp: 68
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.5 142.5#
 145 0.0 16.9 50.7#

