

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011022\
 Data File : VD071656.D
 Acq On : 10 Jan 2022 13:56
 Operator : VA/SY
 Sample : N1076-04
 Misc : 5.04G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 11 04:08:15 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 07 15:39:14 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	10321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	17588	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	15270	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	6375	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	9576	72.107	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.220%	
35) Dibromofluoromethane	7.914	113	6000	51.620	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.240%	
50) Toluene-d8	10.338	98	19899	45.734	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 91.460%	
62) 4-Bromofluorobenzene	12.620	95	6133	40.001	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.000%	

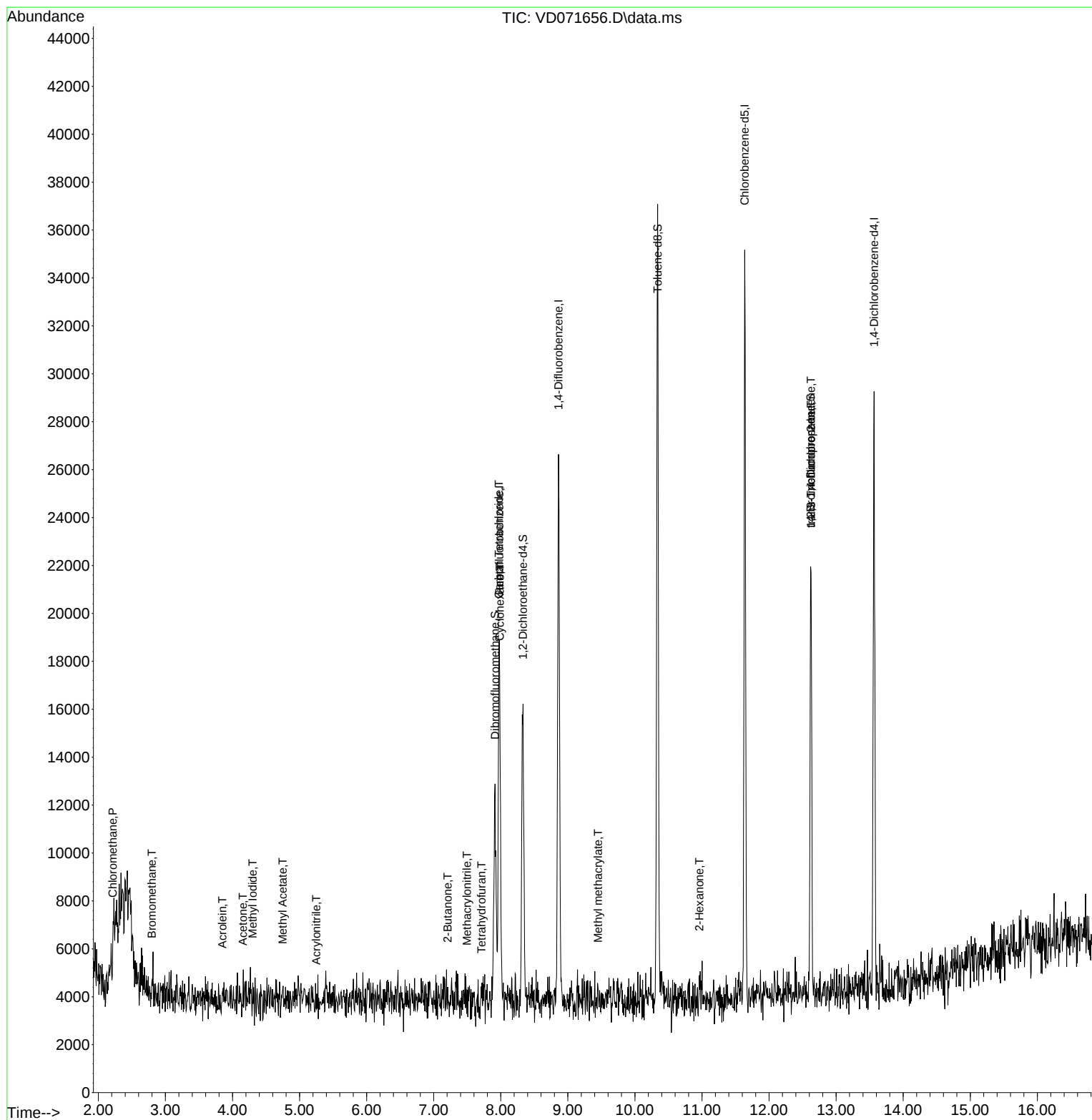
Target Compounds						Qvalue
3) Chloromethane	2.215	50	344	2.363	ug/l #	43
5) Bromomethane	2.797	94	474	4.902	ug/l	83
10) Methyl Iodide	4.303	142	106	1.043	ug/l #	36
13) Acrolein	3.850	56	59	4.552	ug/l #	14
15) Acrylonitrile	5.250	53	74	2.927	ug/l #	17
16) Acetone	4.156	43	168	5.479	ug/l #	49
18) Methyl Acetate	4.750	43	135	1.121	ug/l #	56
20) Methylene Chloride	4.979	84	65	Below Cal	#	1
25) 2-Butanone	7.208	43	71	1.960	ug/l #	56
29) Tetrahydrofuran	7.714	42	90	4.319	ug/l #	39
31) Cyclohexane	7.985	56	148	1.121	ug/l #	74
38) Carbon Tetrachloride	7.973	117	901	5.366	ug/l #	14
41) Methacrylonitrile	7.497	41	60	2.366	ug/l #	25
48) Methyl methacrylate	9.450	41	121	1.653	ug/l #	50
59) 2-Hexanone	10.961	43	61	1.141	ug/l #	29
76) 1,2,3-Trichloropropane	12.626	75	3555	57.711	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	3555	160.891	ug/l #	4

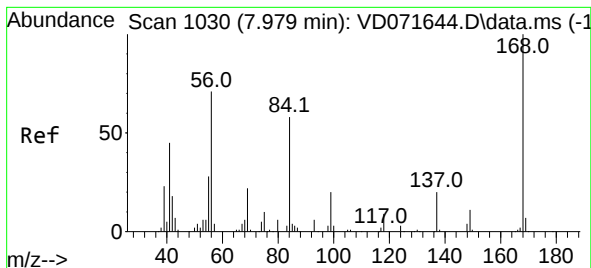
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D010722S.M
Quant Title : SW846 8260
QLast Update : Fri Jan 07 15:39:14 2022
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. 0.000 min

Lab File: VD071656.D

Acq: 10 Jan 2022 13:56

Instrument :

MSVOA_D

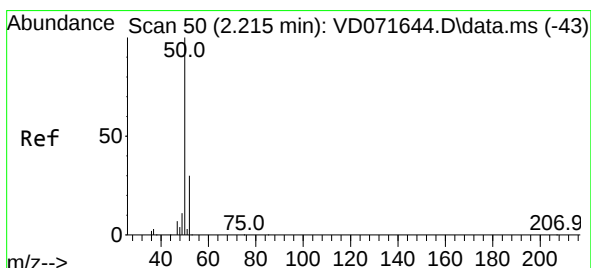
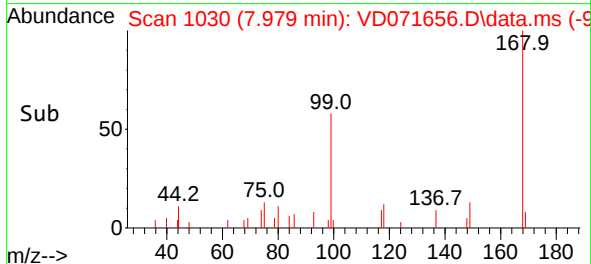
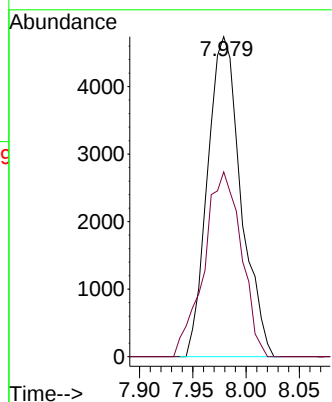
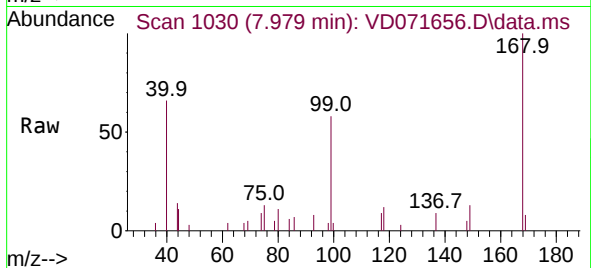
ClientSampleId :

Tgt Ion:168 Resp: 10321

Ion Ratio Lower Upper

168 100

99 57.8 51.8 77.6



#3

Chloromethane

Concen: 2.363 ug/l

RT: 2.215 min Scan# 50

Delta R.T. 0.001 min

Lab File: VD071656.D

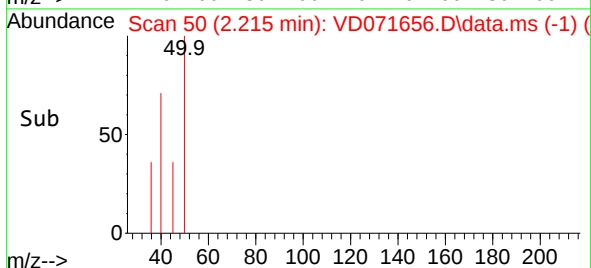
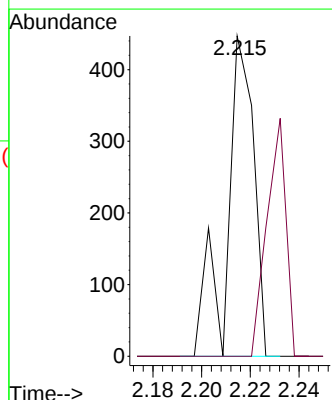
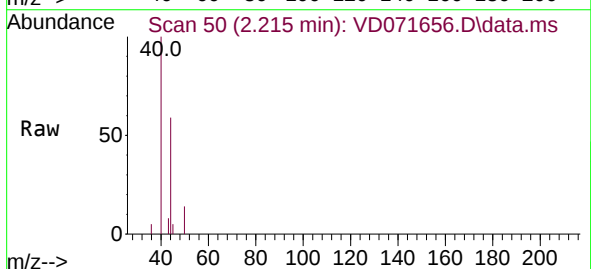
Acq: 10 Jan 2022 13:56

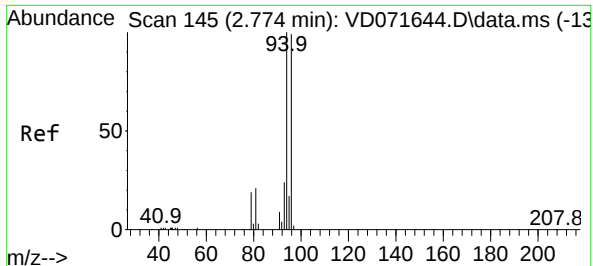
Tgt Ion: 50 Resp: 344

Ion Ratio Lower Upper

50 100

52 0.0 25.4 38.0#

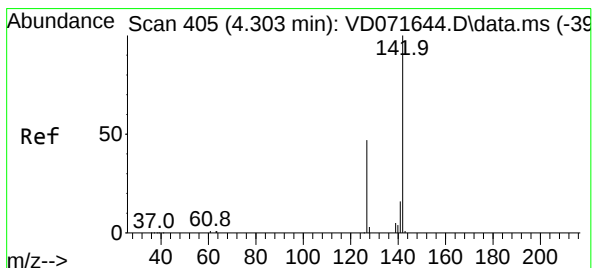
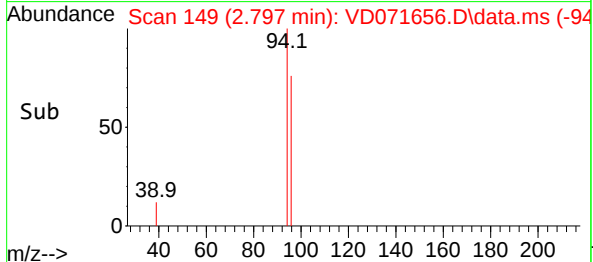
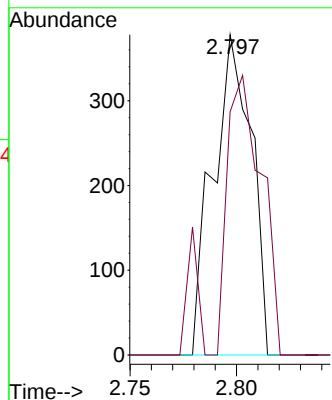
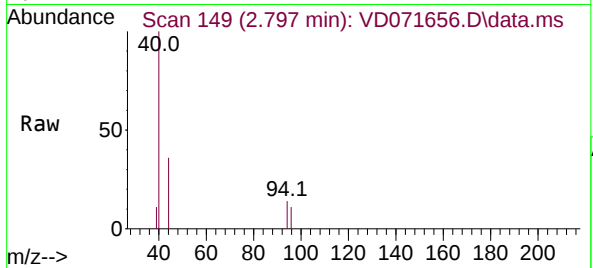




#5
Bromomethane
Concen: 4.902 ug/l
RT: 2.797 min Scan# 145
Delta R.T. 0.024 min
Lab File: VD071656.D
Acq: 10 Jan 2022 13:56

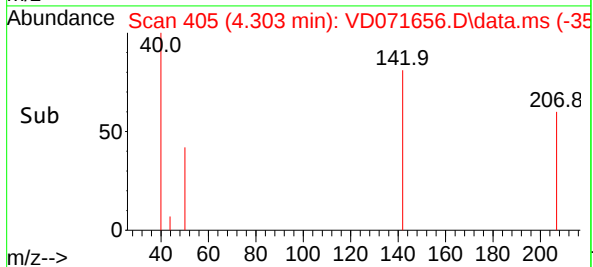
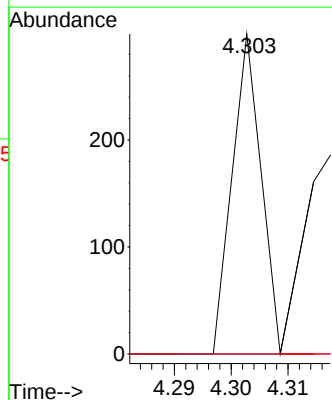
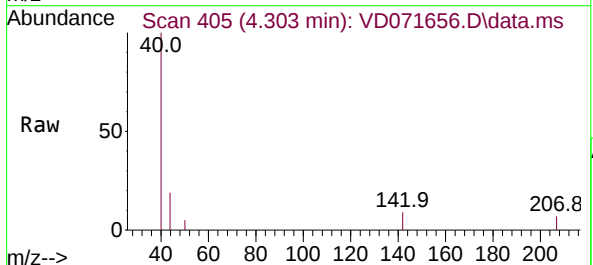
Instrument :
MSVOA_D
ClientSampleId :

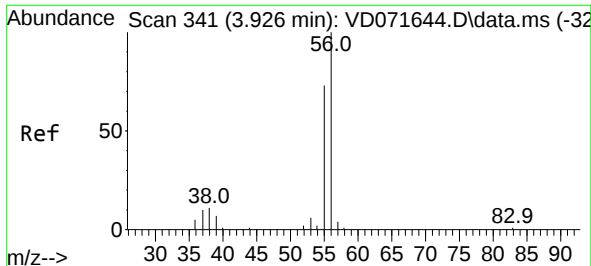
Tgt Ion: 94 Resp: 474
Ion Ratio Lower Upper
94 100
96 75.9 73.7 110.5



#10
Methyl Iodide
Concen: 1.043 ug/l
RT: 4.303 min Scan# 405
Delta R.T. 0.001 min
Lab File: VD071656.D
Acq: 10 Jan 2022 13:56

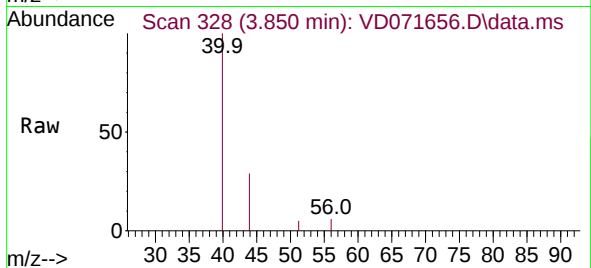
Tgt Ion: 142 Resp: 106
Ion Ratio Lower Upper
142 100
127 0.0 39.4 59.2#
141 0.0 11.9 17.9#



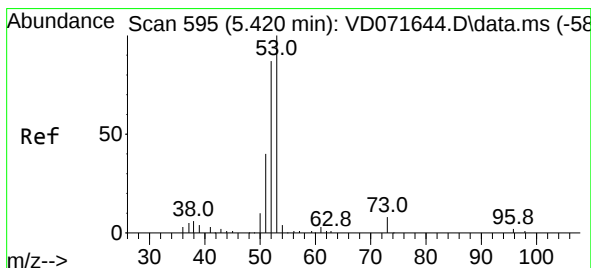
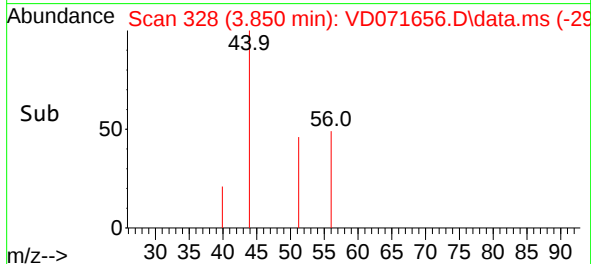
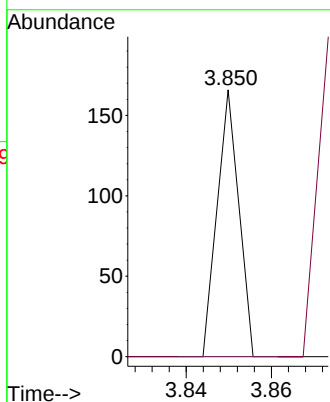


#13
Acrolein
Concen: 4.552 ug/l
RT: 3.850 min Scan# 31
Delta R.T. -0.076 min
Lab File: VD071656.D
Acq: 10 Jan 2022 13:56

Instrument :
MSVOA_D
ClientSampleId :

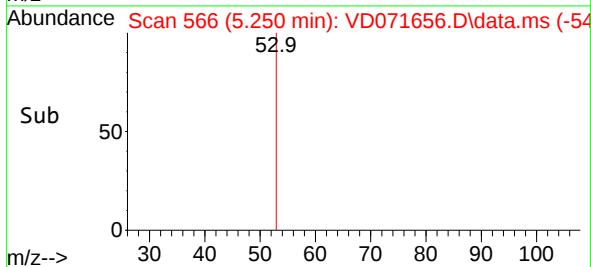
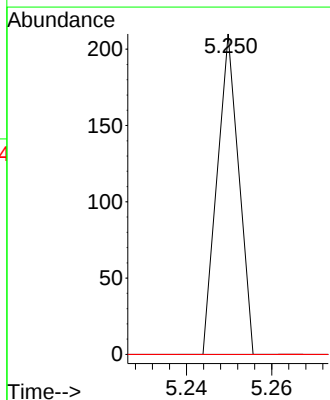
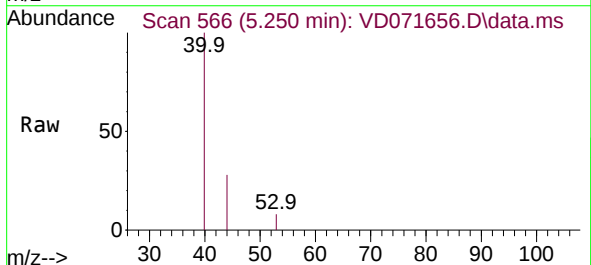


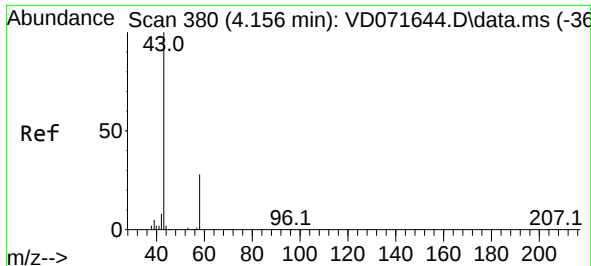
Tgt Ion: 56 Resp: 59
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#



#15
Acrylonitrile
Concen: 2.927 ug/l
RT: 5.250 min Scan# 566
Delta R.T. -0.170 min
Lab File: VD071656.D
Acq: 10 Jan 2022 13:56

Tgt Ion: 53 Resp: 74
Ion Ratio Lower Upper
53 100
52 0.0 65.6 98.4#
51 0.0 31.2 46.8#

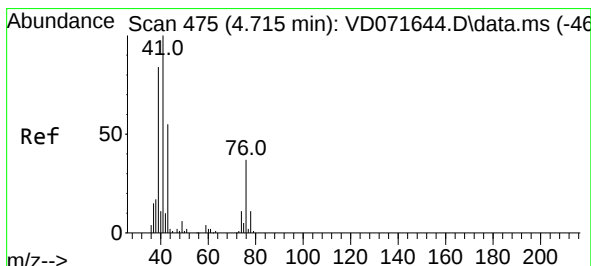
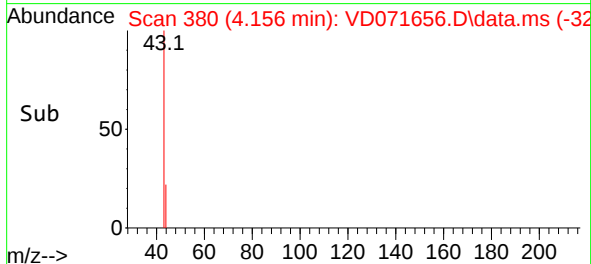
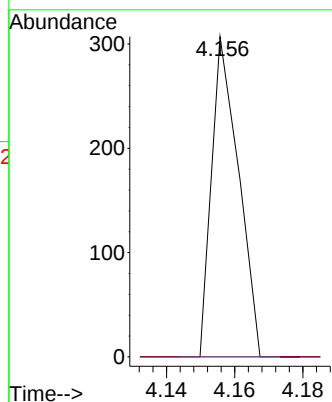
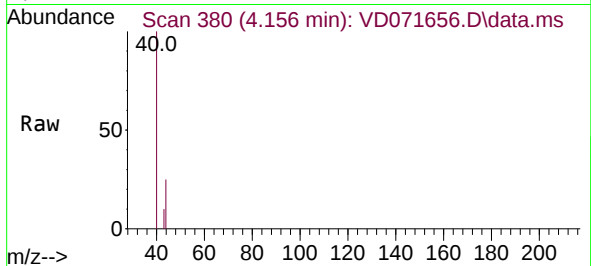




#16
Acetone
Concen: 5.479 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD071656.D
Acq: 10 Jan 2022 13:56

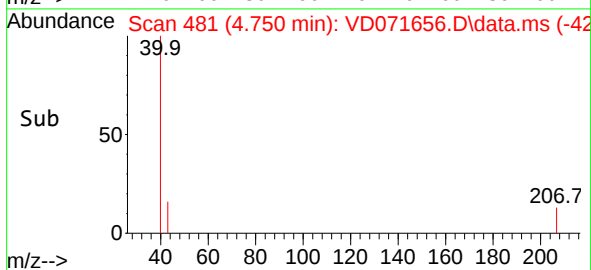
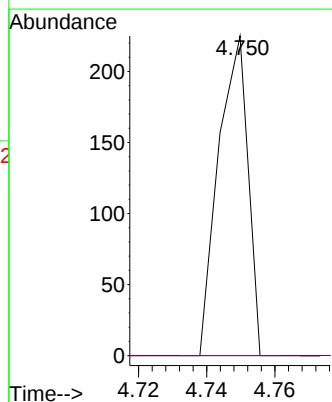
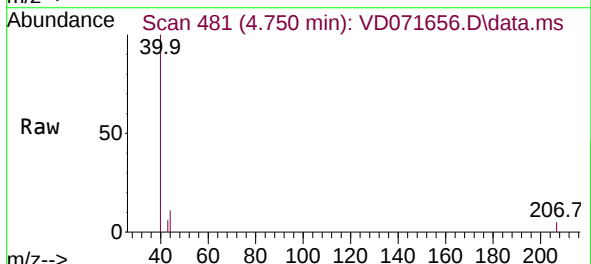
Instrument :
MSVOA_D
ClientSampleId :

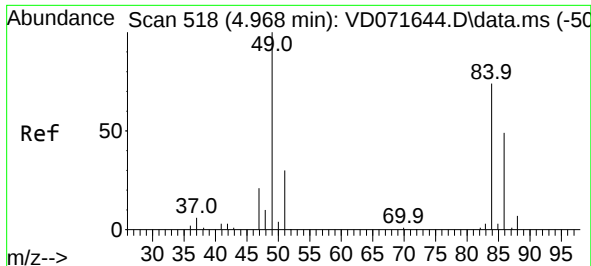
Tgt Ion: 43 Resp: 168
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.6#



#18
Methyl Acetate
Concen: 1.121 ug/l
RT: 4.750 min Scan# 481
Delta R.T. 0.036 min
Lab File: VD071656.D
Acq: 10 Jan 2022 13:56

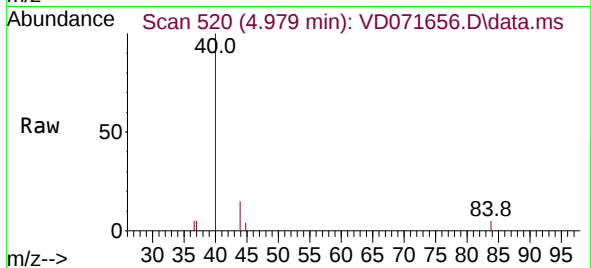
Tgt Ion: 43 Resp: 135
Ion Ratio Lower Upper
43 100
74 0.0 16.3 24.5#



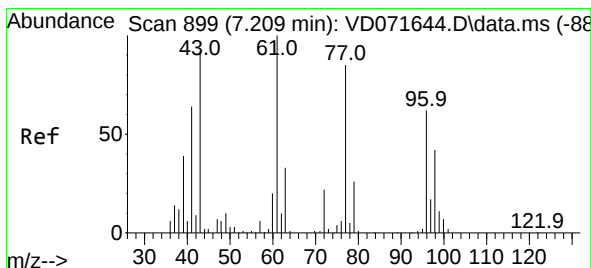
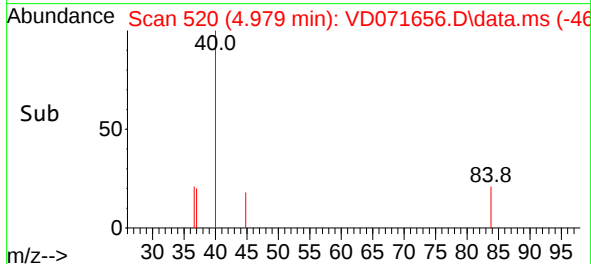
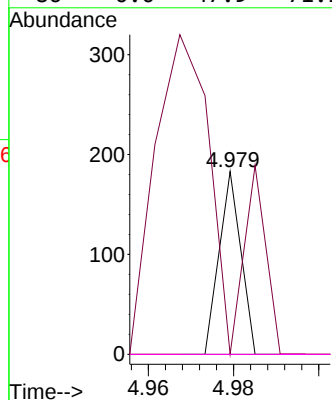


#20
Methylene Chloride
Concen: Below Cal
RT: 4.979 min Scan# 51
Delta R.T. 0.012 min
Lab File: VD071656.D
Acq: 10 Jan 2022 13:56

Instrument :
MSVOA_D
ClientSampleId :

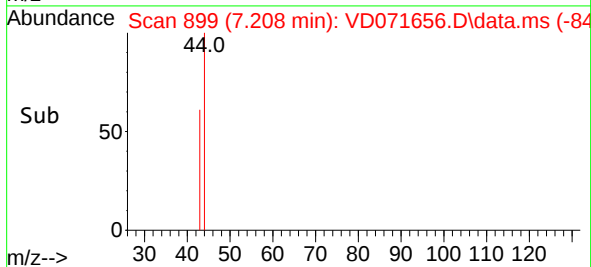
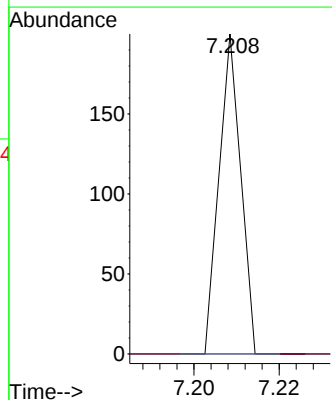
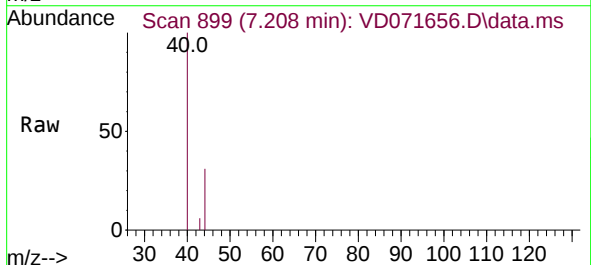


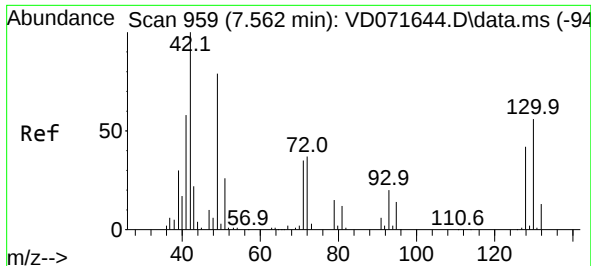
Tgt Ion:	84	Resp:	65
Ion	Ratio	Lower	Upper
84	100		
49	0.0	118.6	178.0#
51	0.0	37.8	56.6#
86	0.0	47.9	71.9#



#25
2-Butanone
Concen: 1.960 ug/l
RT: 7.208 min Scan# 899
Delta R.T. 0.000 min
Lab File: VD071656.D
Acq: 10 Jan 2022 13:56

Tgt Ion:	43	Resp:	71
Ion	Ratio	Lower	Upper
43	100		
72	0.0	16.4	24.6#





#29

Tetrahydrofuran

Concen: 4.319 ug/l

RT: 7.714 min Scan# 90

Delta R.T. 0.153 min

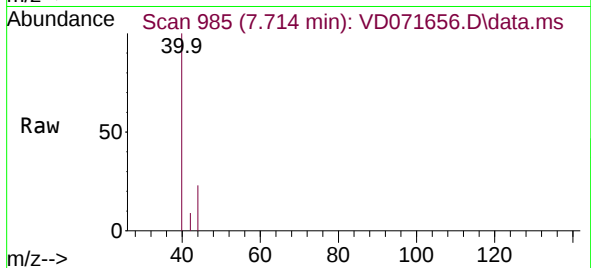
Lab File: VD071656.D

Acq: 10 Jan 2022 13:56

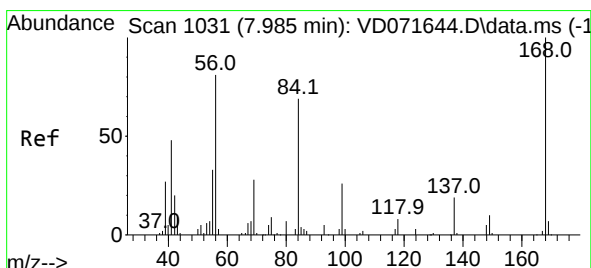
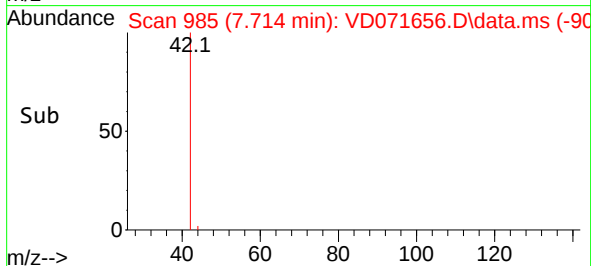
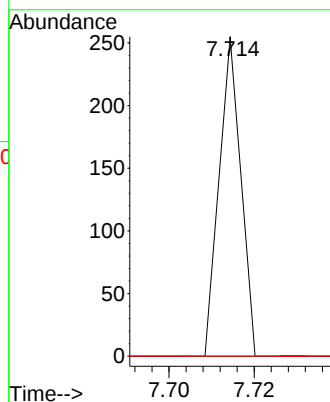
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	42	Resp:	90
Ion	Ratio	Lower	Upper
42	100		
72	0.0	29.6	44.4#
71	0.0	27.3	40.9#



#31

Cyclohexane

Concen: 1.121 ug/l

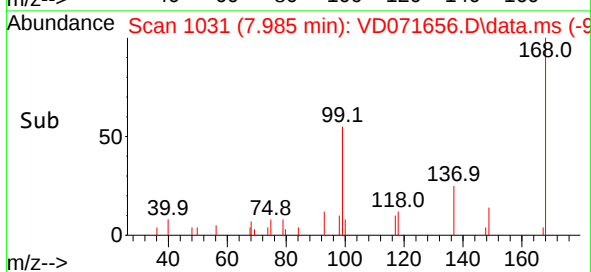
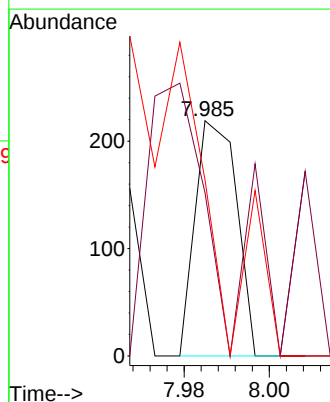
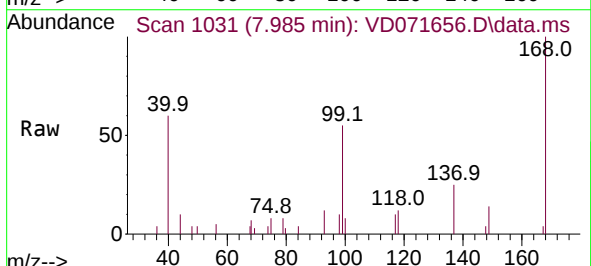
RT: 7.985 min Scan# 1031

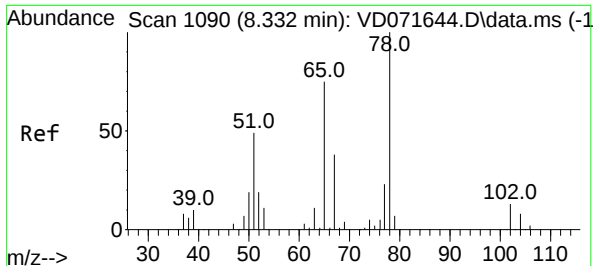
Delta R.T. -0.005 min

Lab File: VD071656.D

Acq: 10 Jan 2022 13:56

Tgt Ion:	56	Resp:	148
Ion	Ratio	Lower	Upper
56	100		
69	69.4	21.7	32.5#
84	74.9	65.7	98.5





#33

1,2-Dichloroethane-d4

Concen: 72.107 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VD071656.D

Acq: 10 Jan 2022 13:56

Instrument :

MSVOA_D

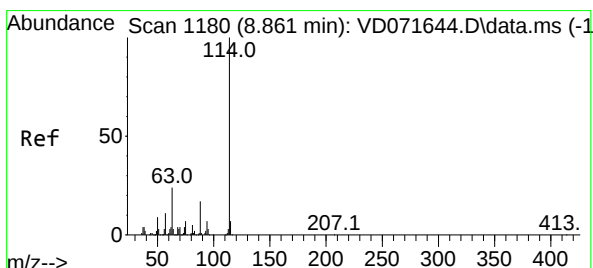
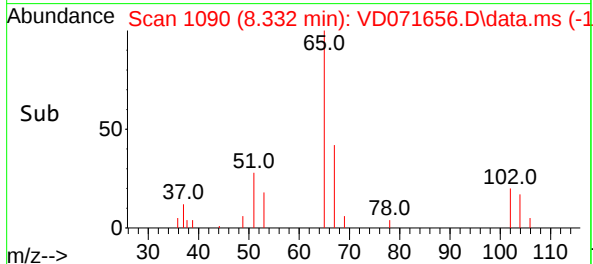
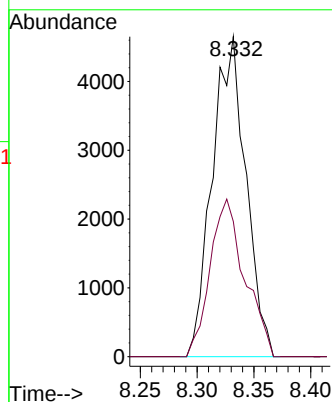
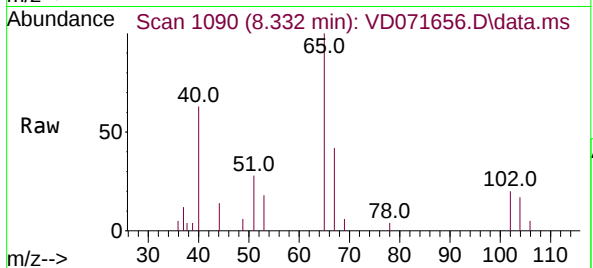
ClientSampleId :

Tgt Ion: 65 Resp: 9576

Ion Ratio Lower Upper

65 100

67 50.9 0.0 101.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD071656.D

Acq: 10 Jan 2022 13:56

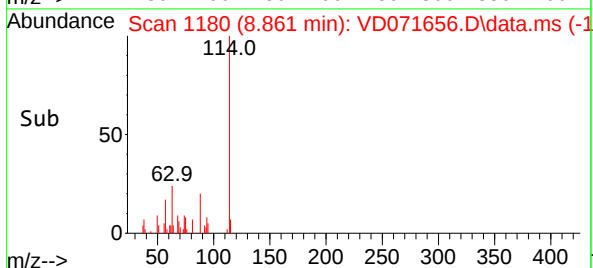
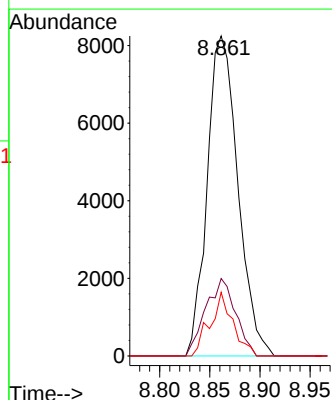
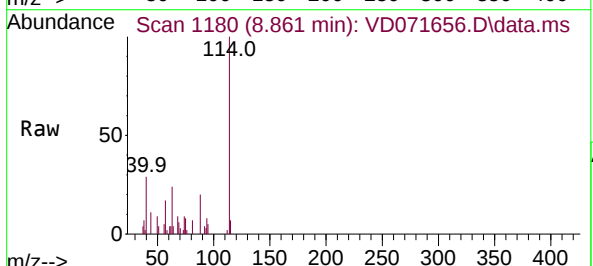
Tgt Ion: 114 Resp: 17588

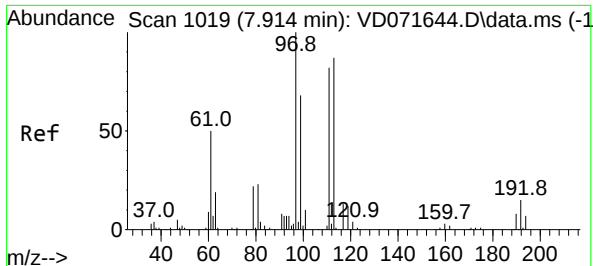
Ion Ratio Lower Upper

114 100

63 24.2 0.0 46.2

88 19.9 0.0 32.0





#35

Dibromofluoromethane

Concen: 51.620 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

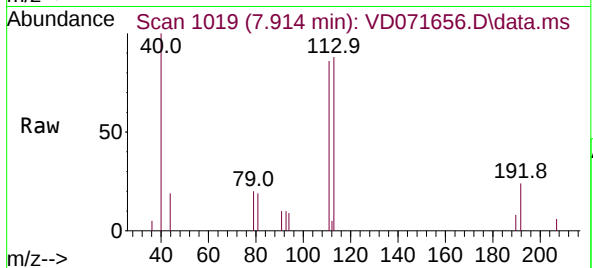
Lab File: VD071656.D

Acq: 10 Jan 2022 13:56

Instrument :

MSVOA_D

ClientSampleId :



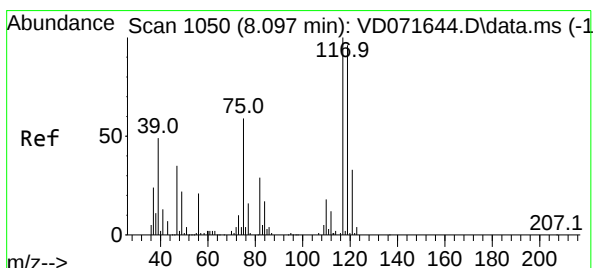
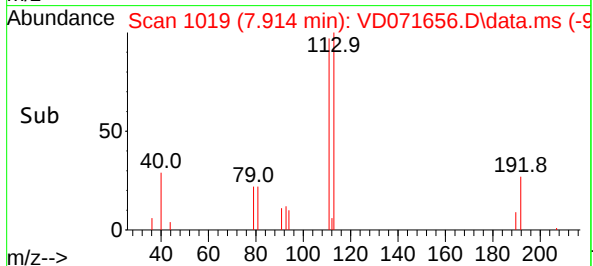
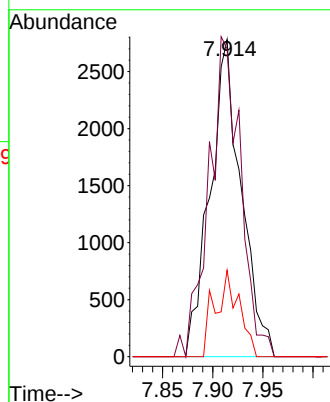
Tgt Ion:113 Resp: 6000

Ion Ratio Lower Upper

113 100

111 102.2 82.2 123.4

192 20.8 14.2 21.2



#38

Carbon Tetrachloride

Concen: 5.366 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.123 min

Lab File: VD071656.D

Acq: 10 Jan 2022 13:56

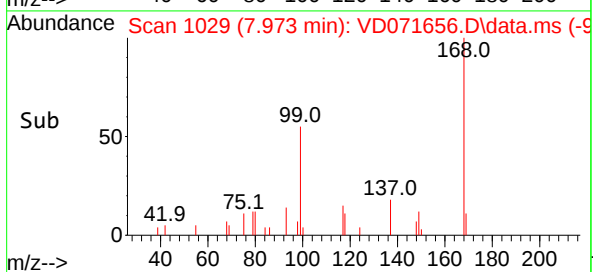
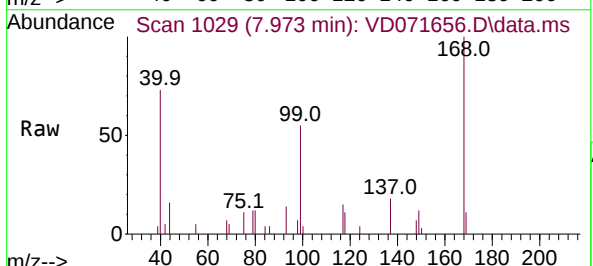
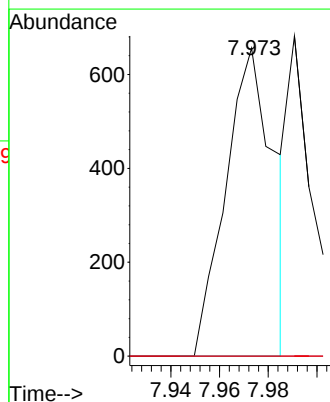
Tgt Ion:117 Resp: 901

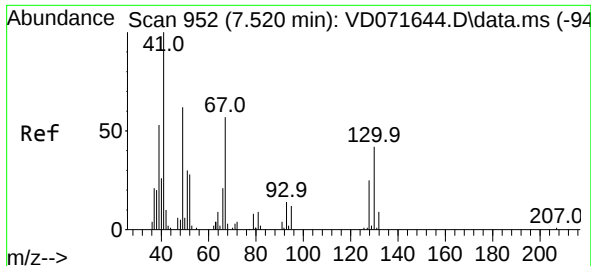
Ion Ratio Lower Upper

117 100

119 0.0 73.4 110.2#

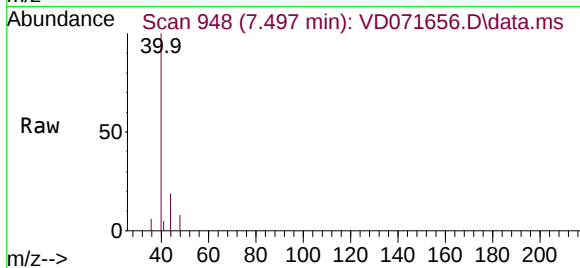
121 0.0 23.9 35.9#



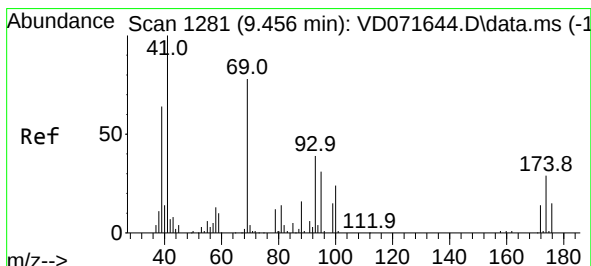
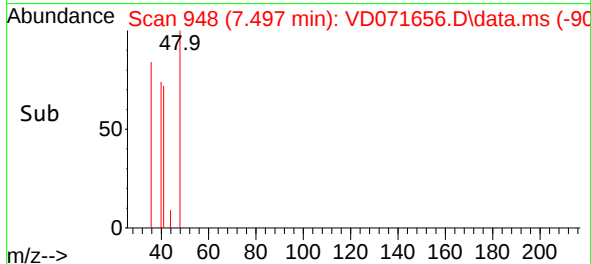
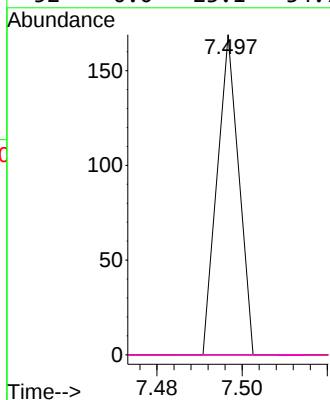


#41
Methacrylonitrile
Concen: 2.366 ug/l
RT: 7.497 min Scan# 941
Delta R.T. -0.023 min
Lab File: VD071656.D
Acq: 10 Jan 2022 13:56

Instrument :
MSVOA_D
ClientSampleId :

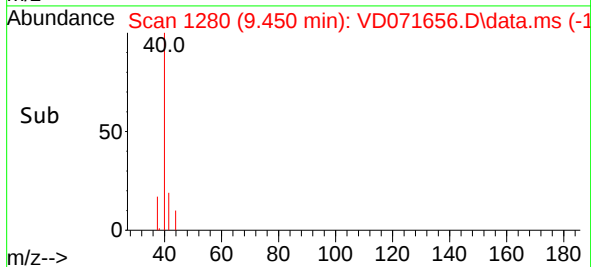
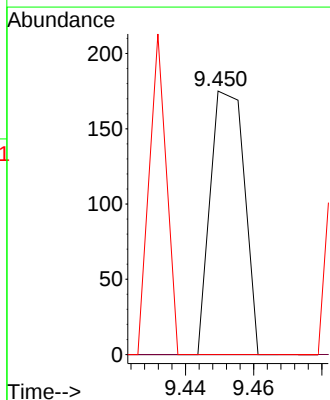
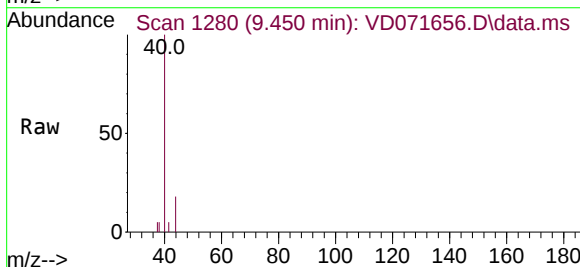


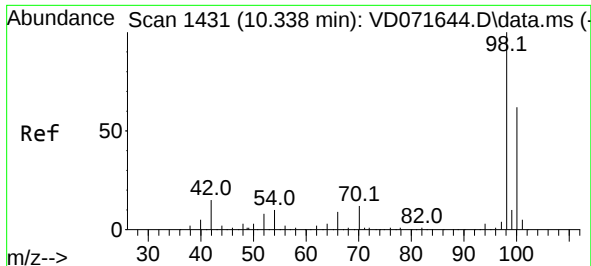
Tgt Ion: 41	Resp: 60
Ion Ratio	Lower Upper
41 100	
39 0.0	46.9 70.3#
67 0.0	49.3 73.9#
52 0.0	23.1 34.7#



#48
Methyl methacrylate
Concen: 1.653 ug/l
RT: 9.450 min Scan# 1280
Delta R.T. -0.005 min
Lab File: VD071656.D
Acq: 10 Jan 2022 13:56

Tgt Ion: 41	Resp: 121
Ion Ratio	Lower Upper
41 100	
69 0.0	59.5 89.3#
39 62.0	56.0 84.0

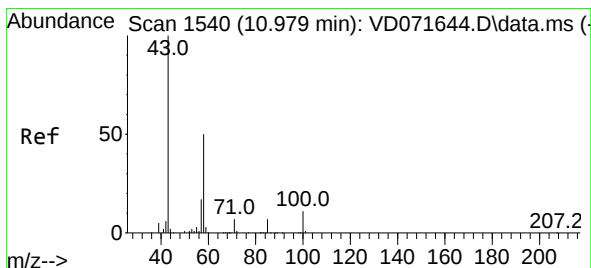
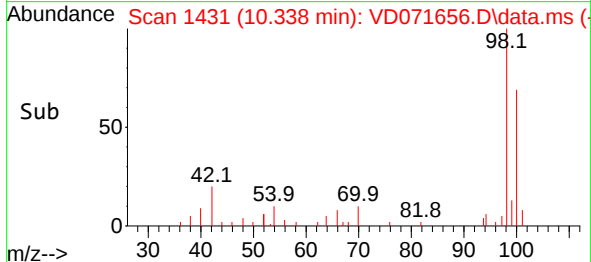
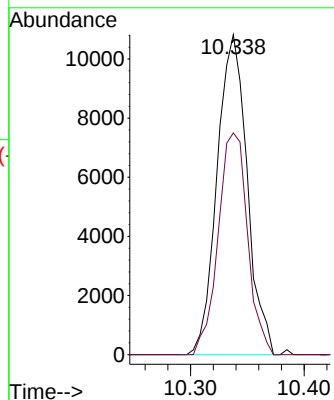
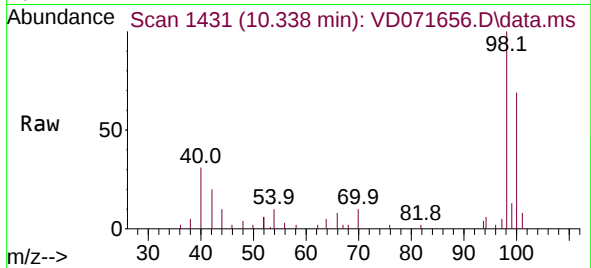




#50
Toluene-d8
Concen: 45.734 ug/l
RT: 10.338 min Scan# 14
Delta R.T. 0.001 min
Lab File: VD071656.D
Acq: 10 Jan 2022 13:56

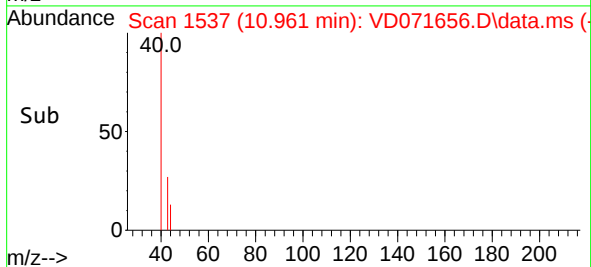
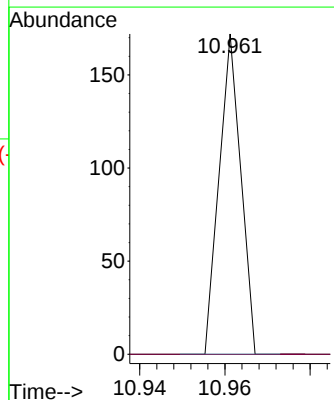
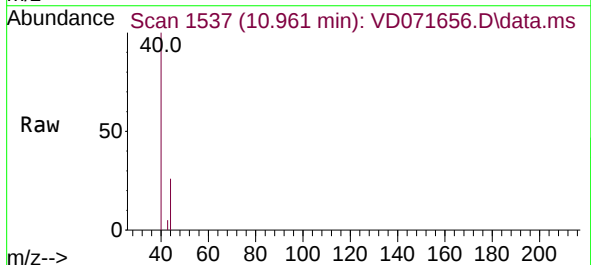
Instrument :
MSVOA_D
ClientSampleId :

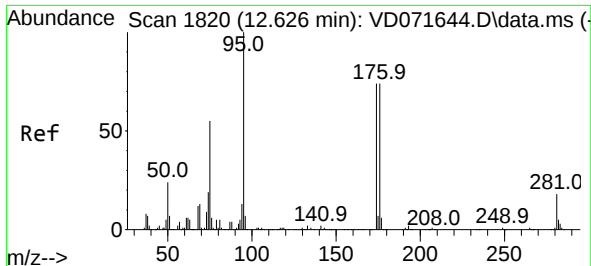
Tgt Ion: 98 Resp: 19899
Ion Ratio Lower Upper
98 100
100 67.9 52.1 78.1



#59
2-Hexanone
Concen: 1.141 ug/l
RT: 10.961 min Scan# 1537
Delta R.T. -0.018 min
Lab File: VD071656.D
Acq: 10 Jan 2022 13:56

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
58 0.0 24.3 72.8#

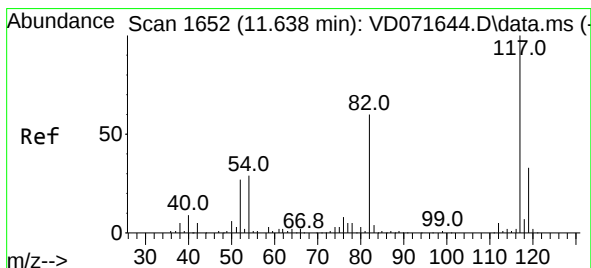
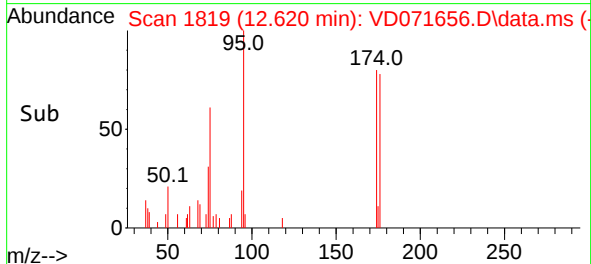
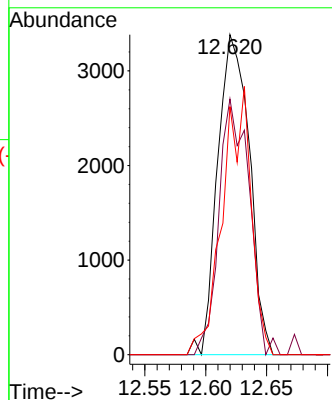
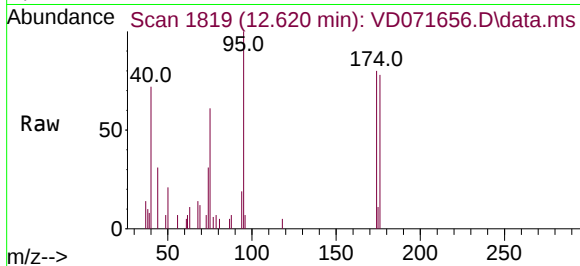




#62
4-Bromofluorobenzene
Concen: 40.001 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071656.D
Acq: 10 Jan 2022 13:56

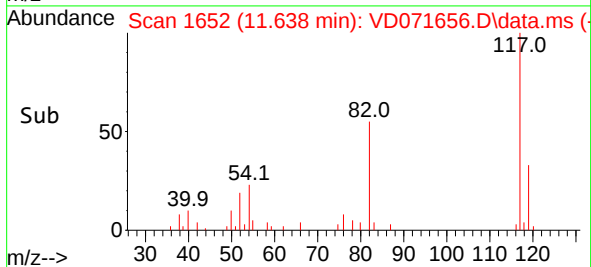
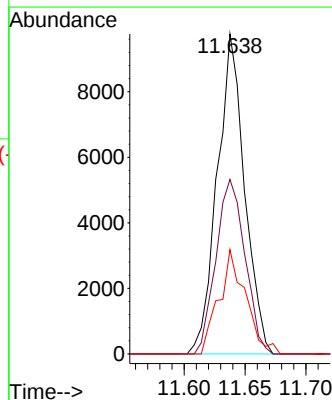
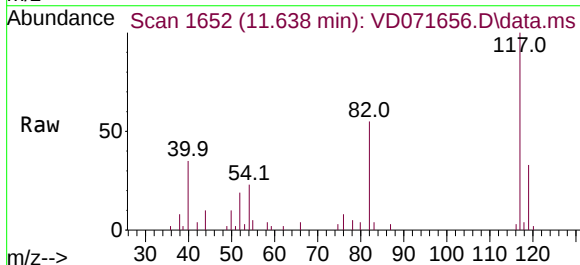
Instrument :
MSVOA_D
ClientSampleId :

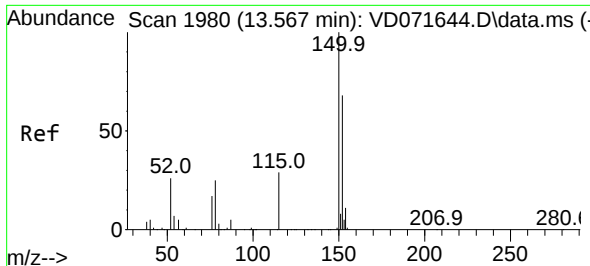
Tgt Ion: 95 Resp: 6133
Ion Ratio Lower Upper
95 100
174 76.0 0.0 150.0
176 74.8 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071656.D
Acq: 10 Jan 2022 13:56

Tgt Ion: 117 Resp: 15270
Ion Ratio Lower Upper
117 100
82 54.6 46.9 70.3
119 32.6 26.6 39.8

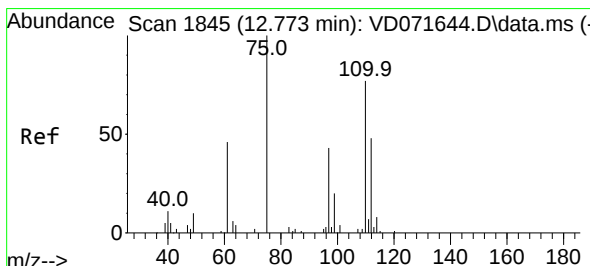
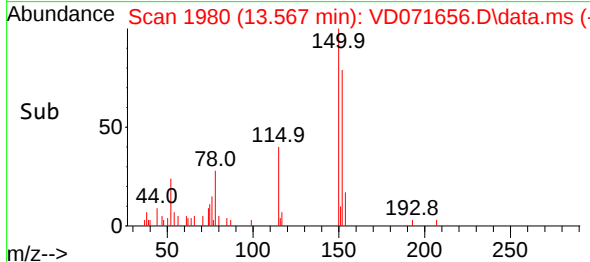
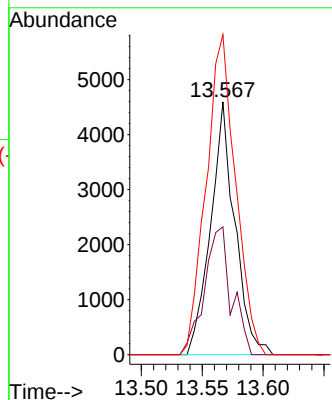
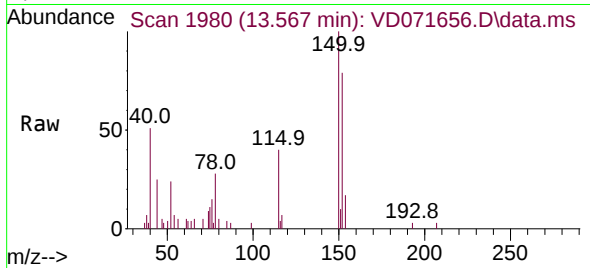




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.567 min Scan# 1980
 Delta R.T. -0.000 min
 Lab File: VD071656.D
 Acq: 10 Jan 2022 13:56

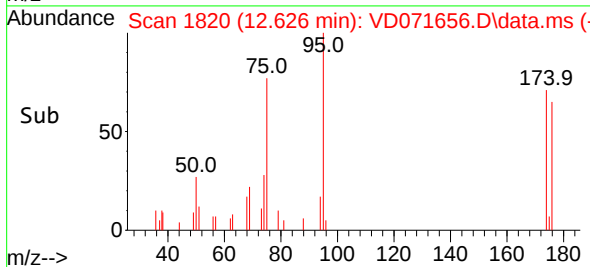
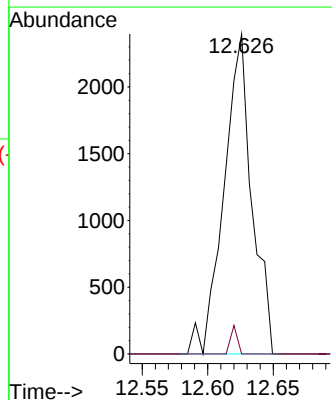
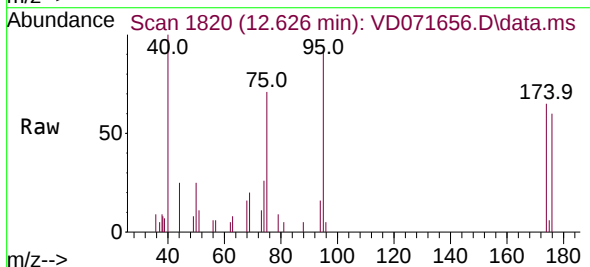
Instrument :
 MSVOA_D
 ClientSampleId :

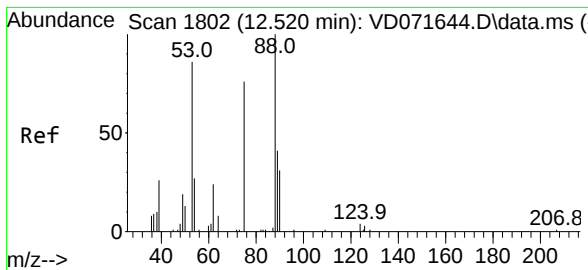
Tgt Ion:152 Resp: 6375
 Ion Ratio Lower Upper
 152 100
 115 56.0 31.5 94.5
 150 153.1 0.0 348.0



#76
 1,2,3-Trichloropropane
 Concen: 57.711 ug/l
 RT: 12.626 min Scan# 1820
 Delta R.T. -0.147 min
 Lab File: VD071656.D
 Acq: 10 Jan 2022 13:56

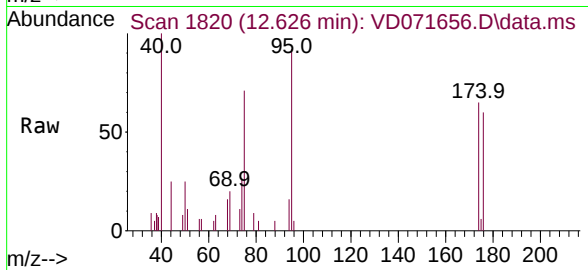
Tgt Ion: 75 Resp: 3555
 Ion Ratio Lower Upper
 75 100
 77 2.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 160.891 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071656.D
 Acq: 10 Jan 2022 13:56

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
75	100		
53	2.3	95.4	143.0#
89	0.0	37.2	55.8#

