

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD011022\
 Data File : VD071655.D
 Acq On : 10 Jan 2022 13:28
 Operator : VA/SY
 Sample : N1076-01
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Jan 11 04:07:58 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)

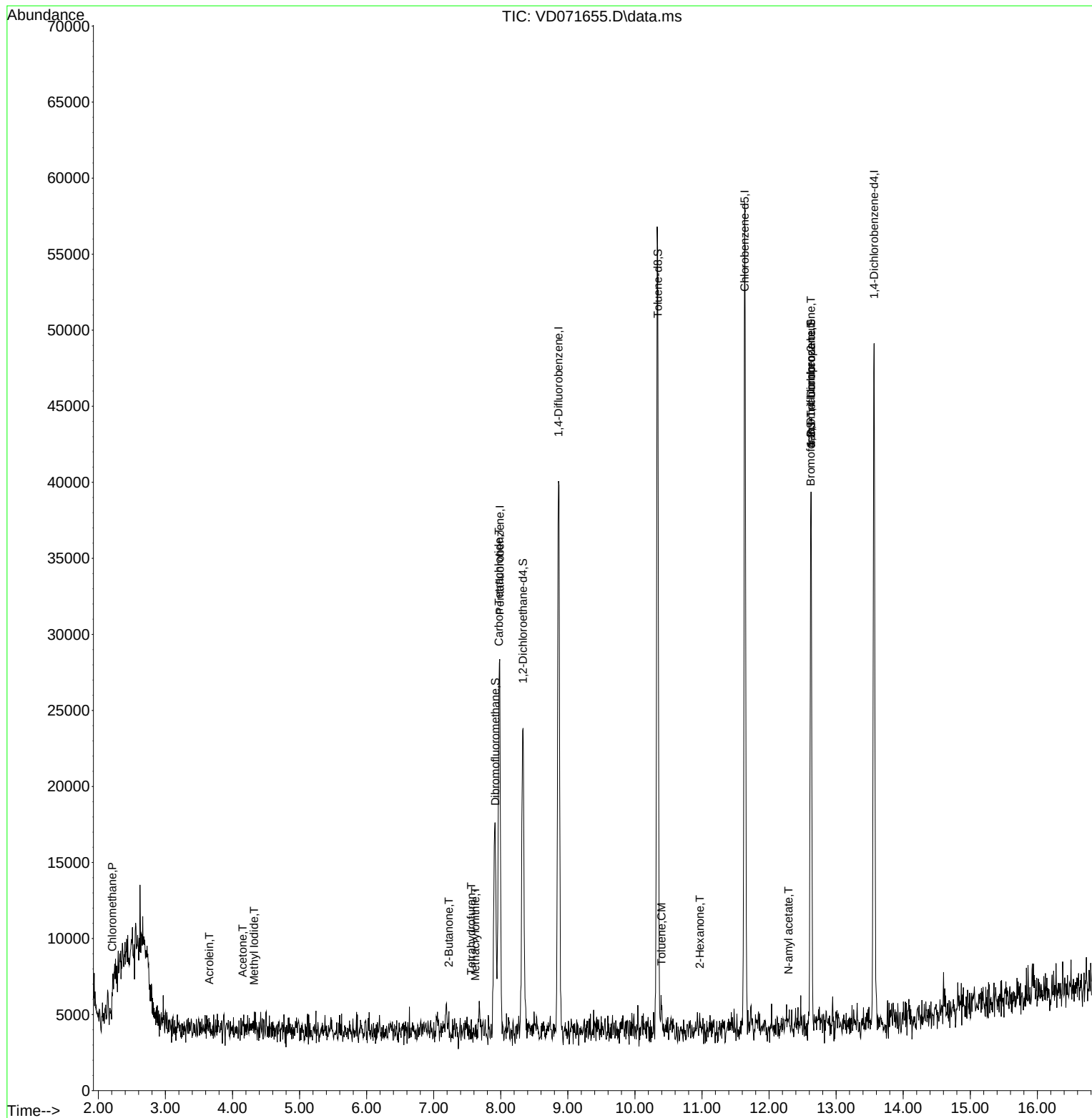
Internal Standards						
1) Pentafluorobenzene	7.985	168	16234	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	29827	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	26056	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	10816	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	15224	72.882	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 145.760%			
35) Dibromofluoromethane	7.920	113	9456	47.971	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.940%			
50) Toluene-d8	10.344	98	33784	45.785	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 91.580%			
62) 4-Bromofluorobenzene	12.626	95	10660	40.998	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.000%			
Target Compounds						Qvalue
3) Chloromethane	2.209	50	883	4.528	ug/l #	43
10) Methyl Iodide	4.320	142	768	4.803	ug/l #	50
13) Acrolein	3.656	56	67	3.286	ug/l #	14
16) Acetone	4.150	43	141	2.924	ug/l #	49
20) Methylene Chloride	4.967	84	293	Below Cal	#	1
25) 2-Butanone	7.226	43	73	1.281	ug/l #	56
29) Tetrahydrofuran	7.561	42	72	2.197	ug/l #	39
38) Carbon Tetrachloride	7.973	117	1839	6.458	ug/l #	14
41) Methacrylonitrile	7.620	41	57	1.823	ug/l #	25
52) Toluene	10.396	92	1084	2.223	ug/l #	50
59) 2-Hexanone	10.967	43	95	1.048	ug/l	71
71) Bromoform	12.620	173	133	1.441	ug/l #	1
74) N-amyl acetate	12.290	43	288	1.511	ug/l #	46
76) 1,2,3-Trichloropropane	12.626	75	6432	61.543	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	6432	171.574	ug/l #	3

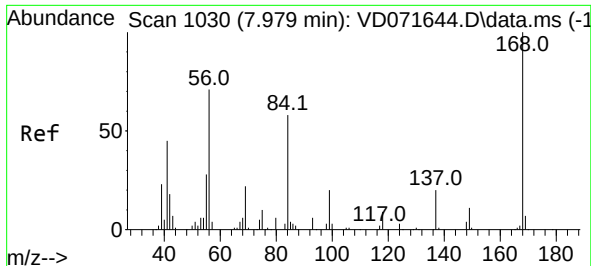
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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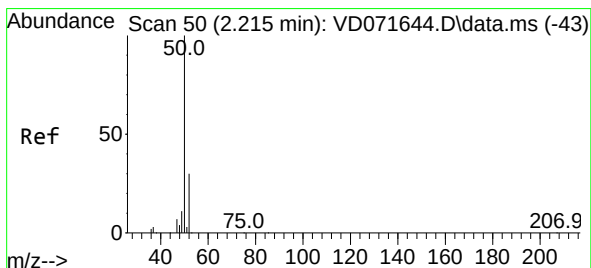
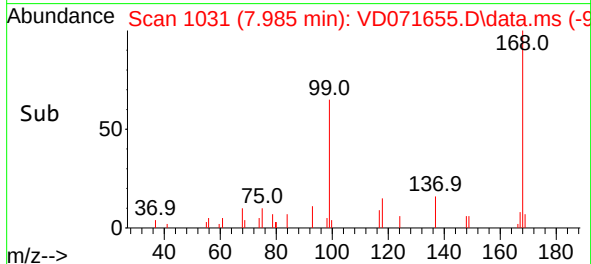
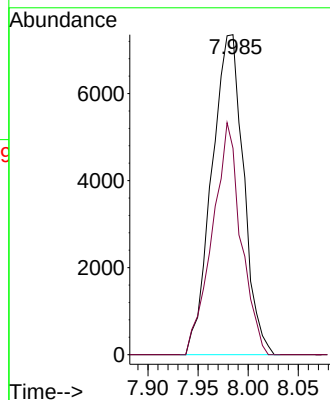
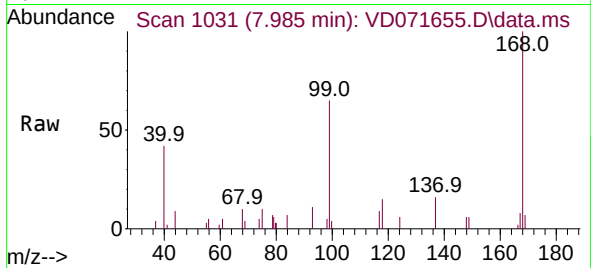




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD071655.D
Acq: 10 Jan 2022 13:28

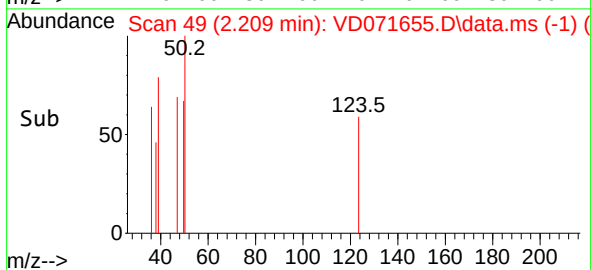
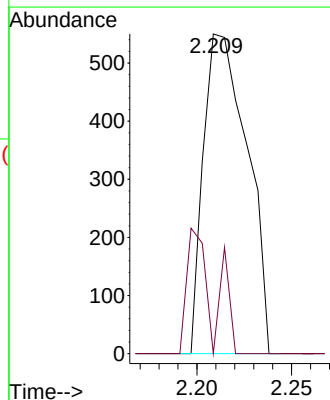
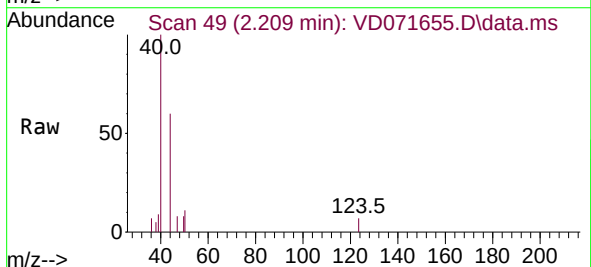
Instrument :
MSVOA_D
ClientSampleId :

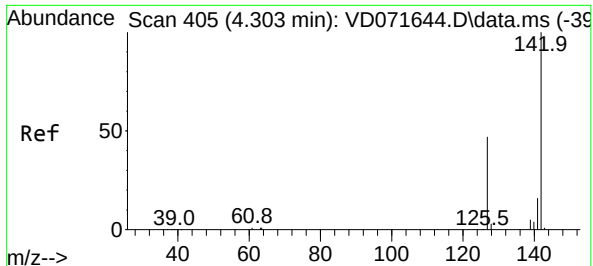
Tgt Ion:168 Resp: 16234
Ion Ratio Lower Upper
168 100
99 64.5 51.8 77.6



#3
Chloromethane
Concen: 4.528 ug/l
RT: 2.209 min Scan# 49
Delta R.T. -0.005 min
Lab File: VD071655.D
Acq: 10 Jan 2022 13:28

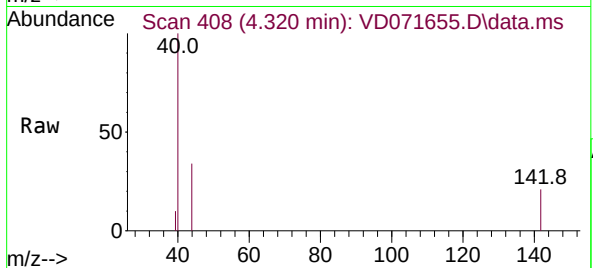
Tgt Ion: 50 Resp: 883
Ion Ratio Lower Upper
50 100
52 0.0 25.4 38.0#



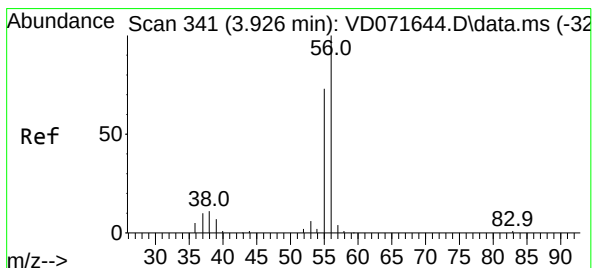
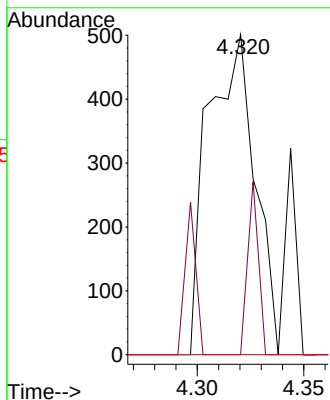
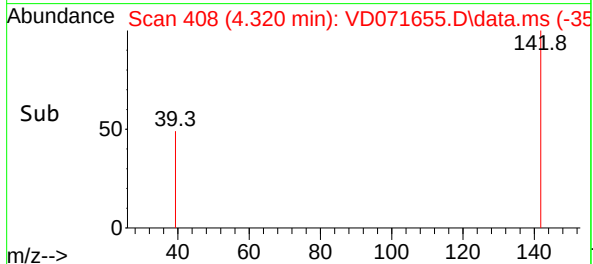


#10
Methyl Iodide
Concen: 4.803 ug/l
RT: 4.320 min Scan# 405
Delta R.T. 0.018 min
Lab File: VD071655.D
Acq: 10 Jan 2022 13:28

Instrument :
MSVOA_D
ClientSampleId :

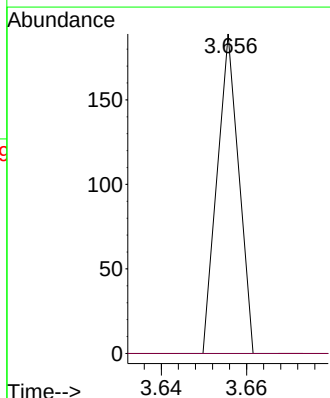
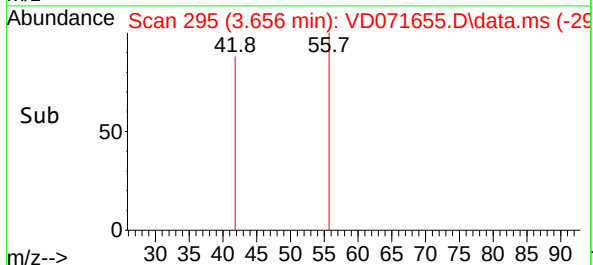
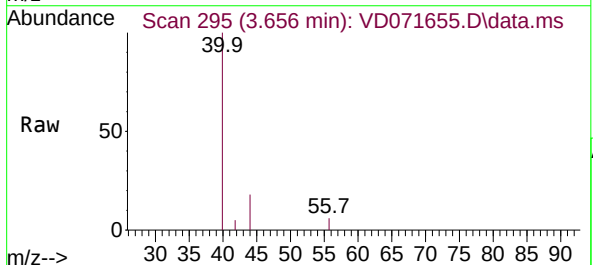


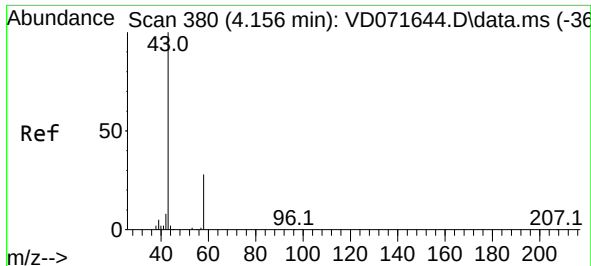
Tgt Ion:142 Resp: 768
Ion Ratio Lower Upper
142 100
127 12.5 39.4 59.2#
141 0.0 11.9 17.9#



#13
Acrolein
Concen: 3.286 ug/l
RT: 3.656 min Scan# 295
Delta R.T. -0.270 min
Lab File: VD071655.D
Acq: 10 Jan 2022 13:28

Tgt Ion: 56 Resp: 67
Ion Ratio Lower Upper
56 100
55 0.0 56.9 85.3#

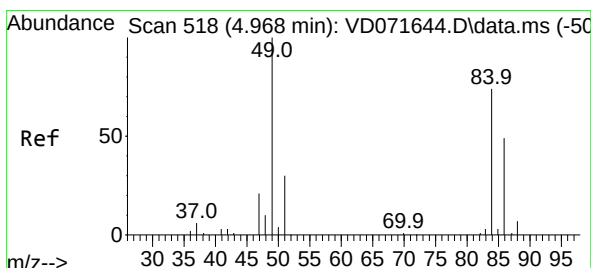
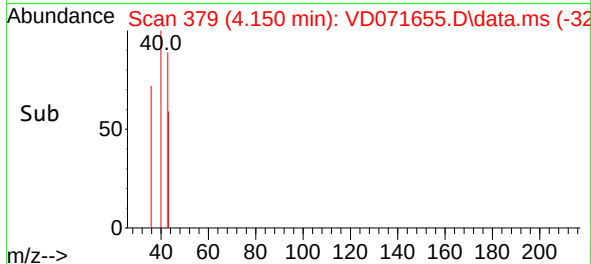
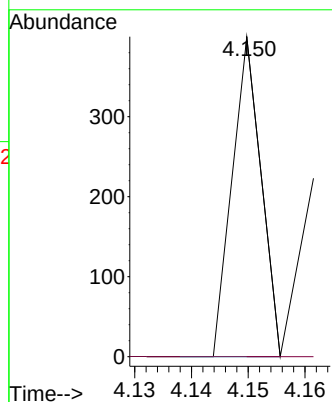
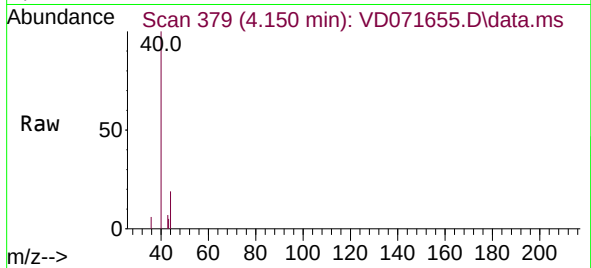




#16
Acetone
Concen: 2.924 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.005 min
Lab File: VD071655.D
Acq: 10 Jan 2022 13:28

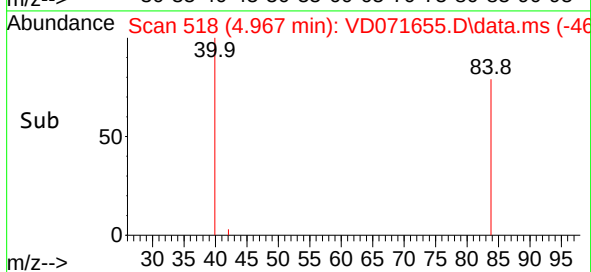
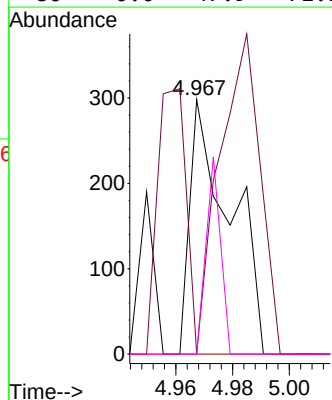
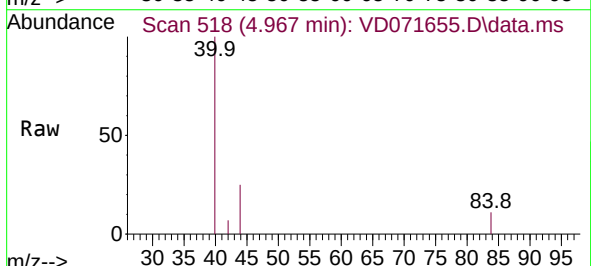
Instrument :
MSVOA_D
ClientSampleId :

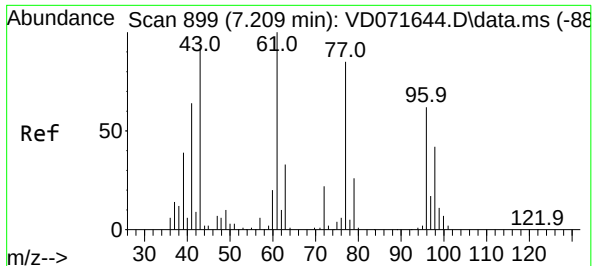
Tgt Ion: 43 Resp: 141
Ion Ratio Lower Upper
43 100
58 0.0 21.0 31.6#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.000 min
Lab File: VD071655.D
Acq: 10 Jan 2022 13:28

Tgt Ion: 84 Resp: 293
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: 1.281 ug/l

RT: 7.226 min Scan# 902

Delta R.T. 0.018 min

Lab File: VD071655.D

Acq: 10 Jan 2022 13:28

Instrument :

MSVOA_D

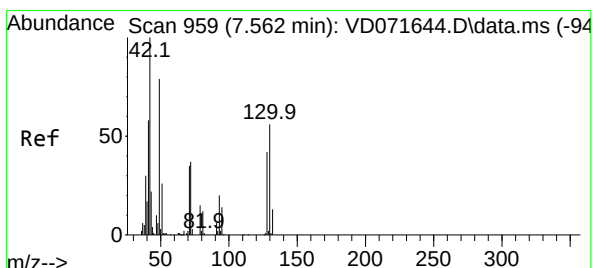
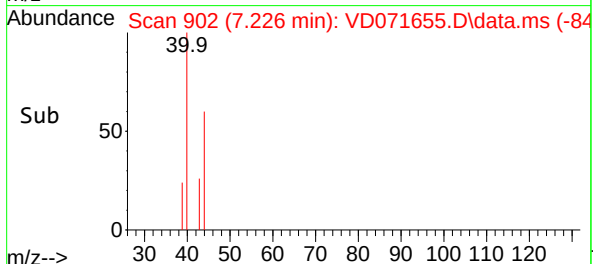
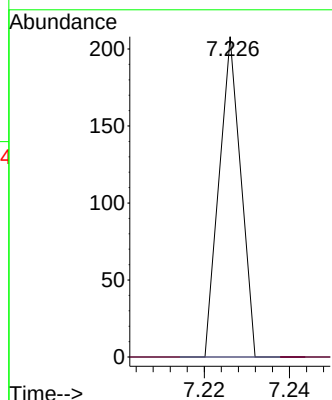
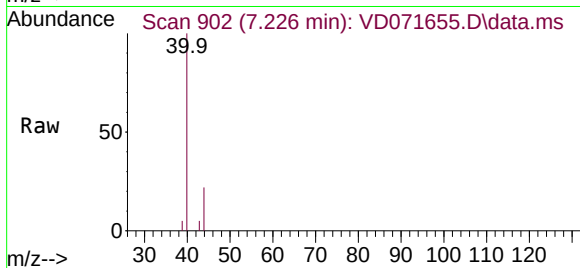
ClientSampleId :

Tgt Ion: 43 Resp: 73

Ion Ratio Lower Upper

43 100

72 0.0 16.4 24.6#



#29

Tetrahydrofuran

Concen: 2.197 ug/l

RT: 7.561 min Scan# 959

Delta R.T. 0.000 min

Lab File: VD071655.D

Acq: 10 Jan 2022 13:28

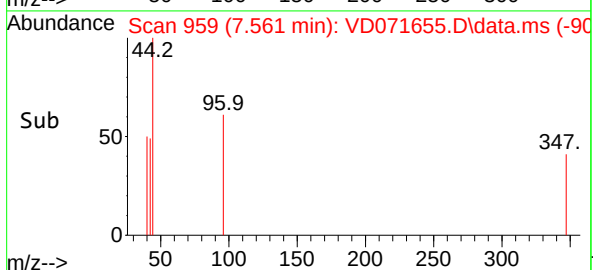
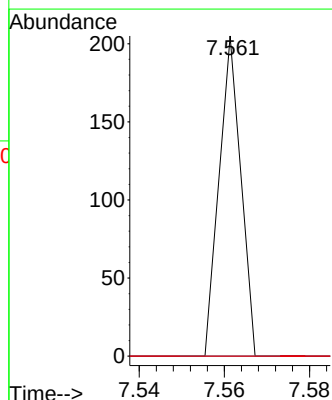
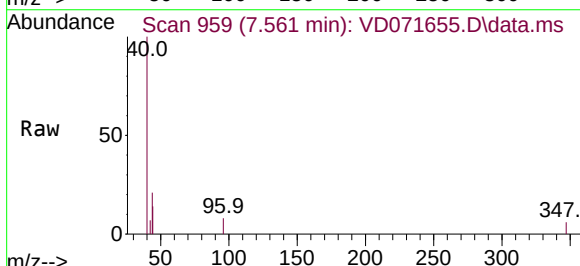
Tgt Ion: 42 Resp: 72

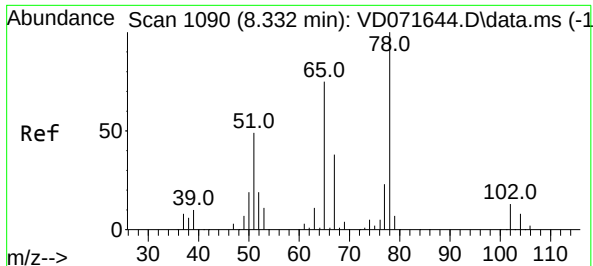
Ion Ratio Lower Upper

42 100

72 0.0 29.6 44.4#

71 0.0 27.3 40.9#





#33

1,2-Dichloroethane-d4

Concen: 72.882 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. -0.000 min

Lab File: VD071655.D

Acq: 10 Jan 2022 13:28

Instrument :

MSVOA_D

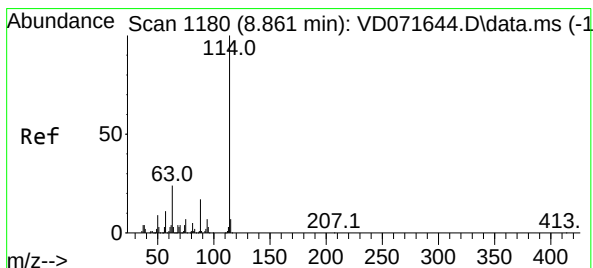
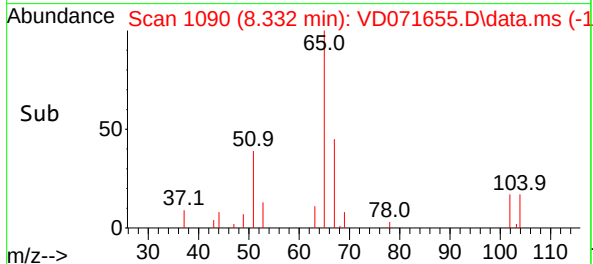
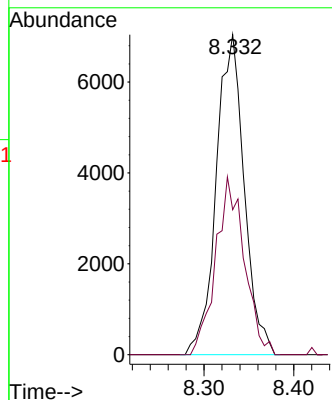
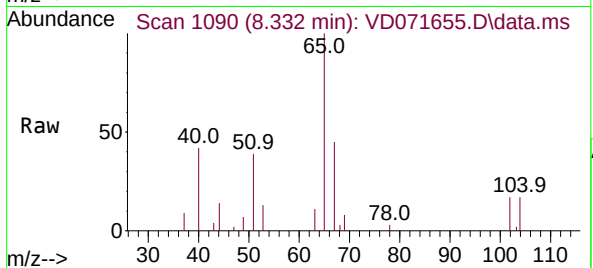
ClientSampleId :

Tgt Ion: 65 Resp: 15224

Ion Ratio Lower Upper

65 100

67 56.9 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: VD071655.D

Acq: 10 Jan 2022 13:28

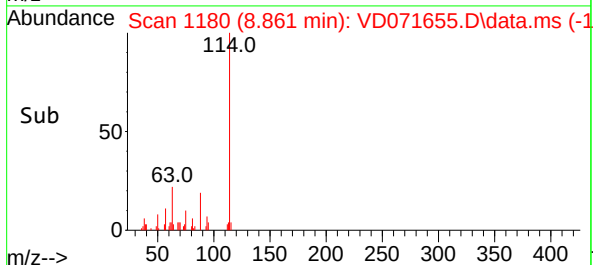
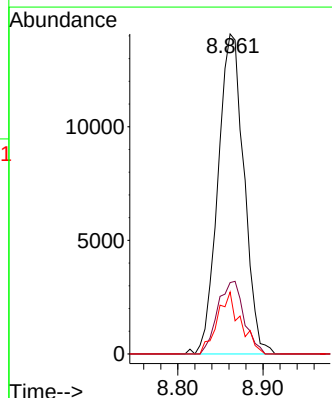
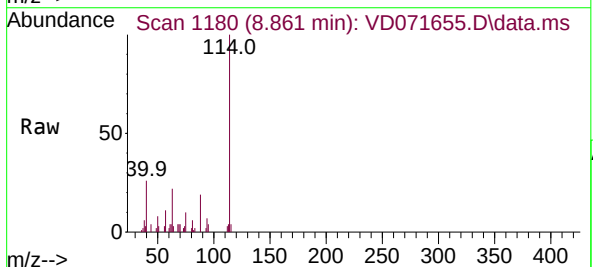
Tgt Ion: 114 Resp: 29827

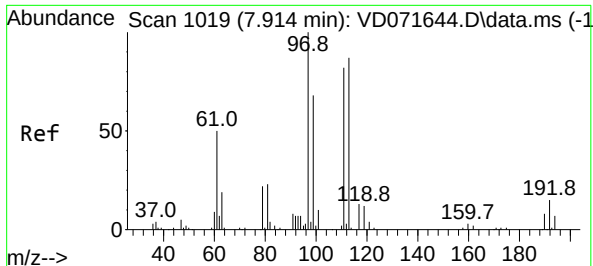
Ion Ratio Lower Upper

114 100

63 22.3 0.0 46.2

88 19.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 47.971 ug/l

RT: 7.920 min Scan# 1020

Delta R.T. 0.006 min

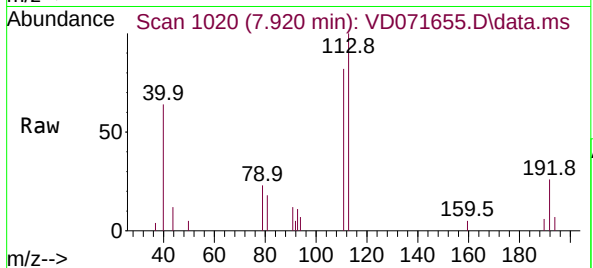
Lab File: VD071655.D

Acq: 10 Jan 2022 13:28

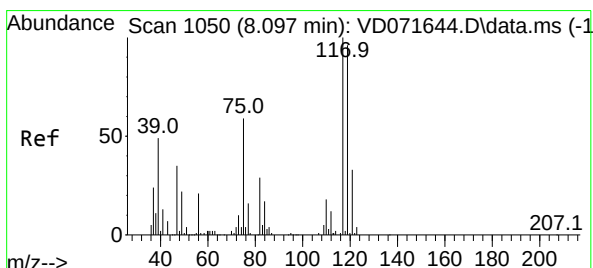
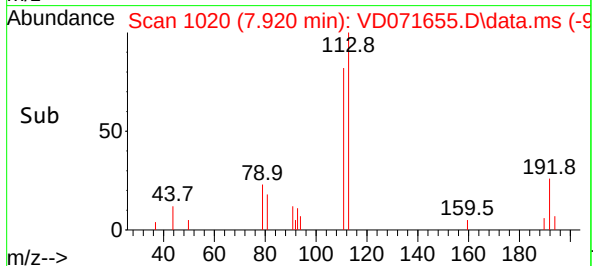
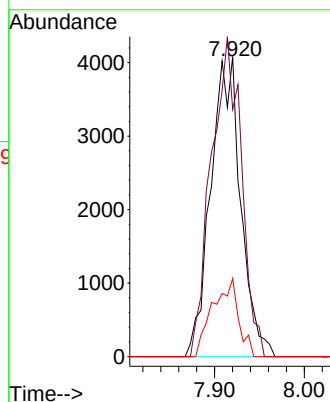
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	113	Resp:	9456
Ion	Ratio	Lower	Upper
113	100		
111	106.9	82.2	123.4
192	22.4	14.2	21.2#



#38

Carbon Tetrachloride

Concen: 6.458 ug/l

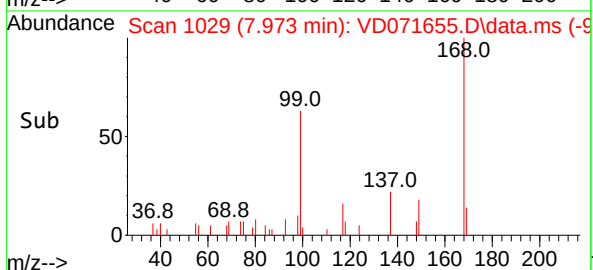
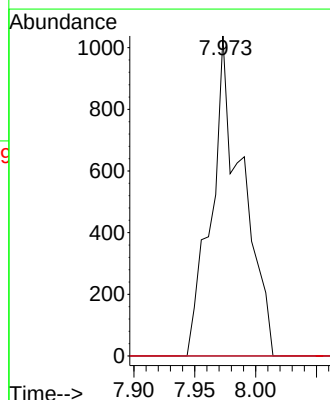
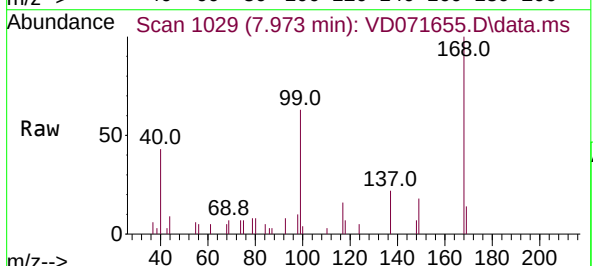
RT: 7.973 min Scan# 1029

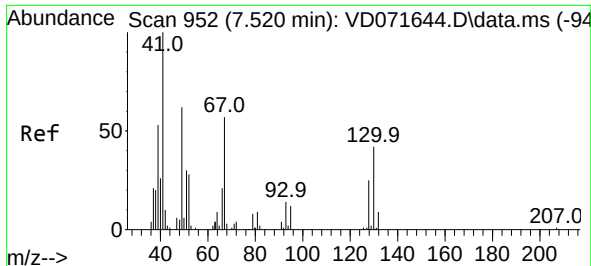
Delta R.T. -0.123 min

Lab File: VD071655.D

Acq: 10 Jan 2022 13:28

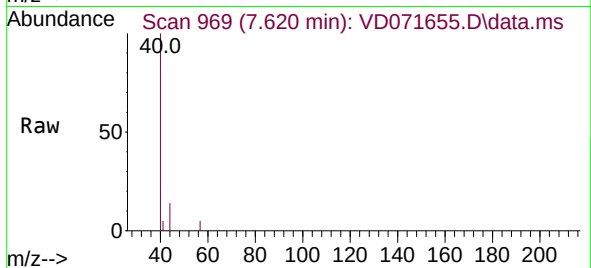
Tgt Ion:	117	Resp:	1839
Ion	Ratio	Lower	Upper
117	100		
119	0.0	73.4	110.2#
121	0.0	23.9	35.9#



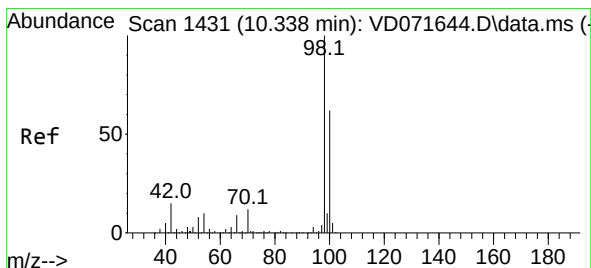
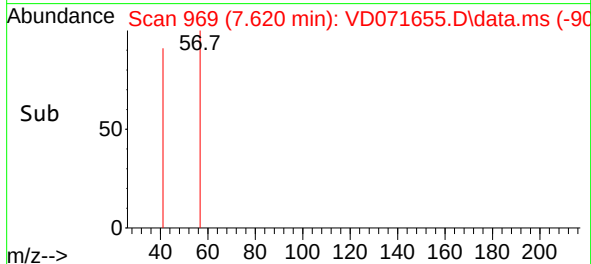
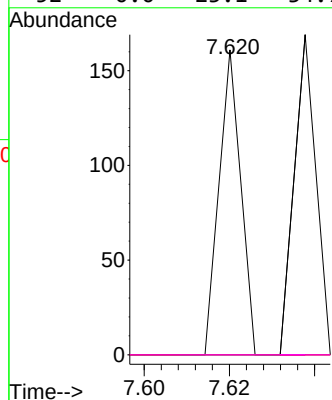


#41
Methacrylonitrile
Concen: 1.823 ug/l
RT: 7.620 min Scan# 90
Delta R.T. 0.100 min
Lab File: VD071655.D
Acq: 10 Jan 2022 13:28

Instrument :
MSVOA_D
ClientSampleId :

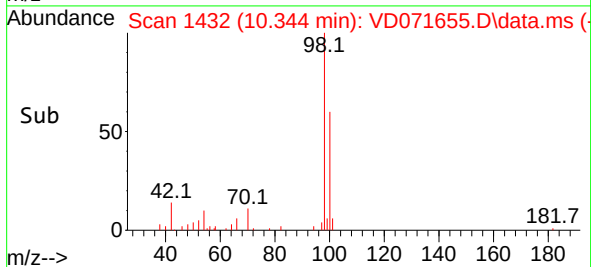
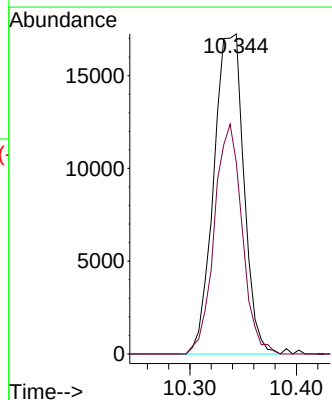
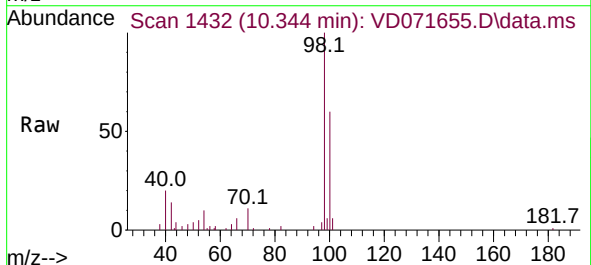


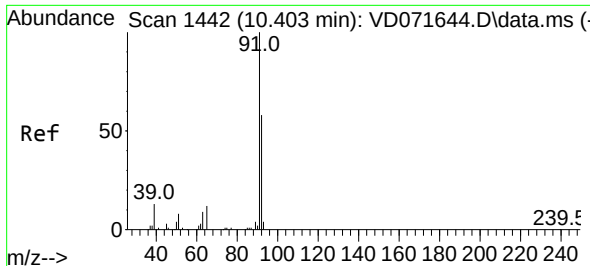
Tgt Ion:	41	Resp:	57
Ion	Ratio	Lower	Upper
41	100		
39	0.0	46.9	70.3#
67	0.0	49.3	73.9#
52	0.0	23.1	34.7#



#50
Toluene-d8
Concen: 45.785 ug/l
RT: 10.344 min Scan# 1432
Delta R.T. 0.007 min
Lab File: VD071655.D
Acq: 10 Jan 2022 13:28

Tgt Ion:	98	Resp:	33784
Ion	Ratio	Lower	Upper
98	100		
100	66.3	52.1	78.1

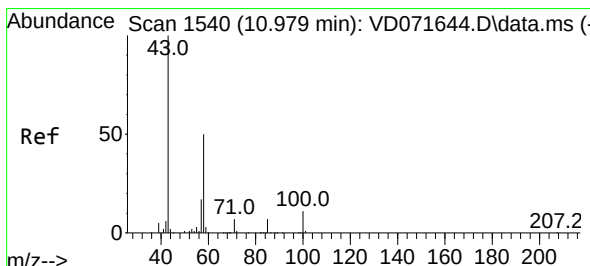
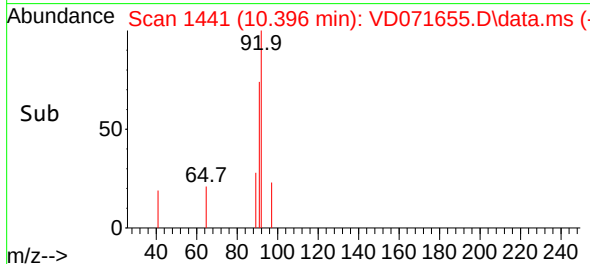
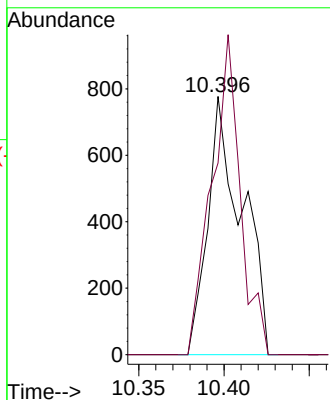
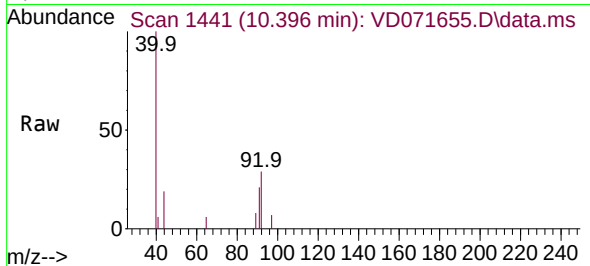




#52
Toluene
Concen: 2.223 ug/l
RT: 10.396 min Scan# 1442
Delta R.T. -0.006 min
Lab File: VD071655.D
Acq: 10 Jan 2022 13:28

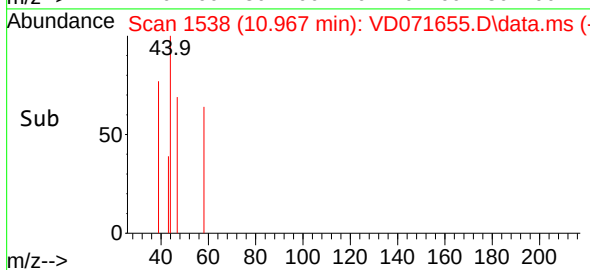
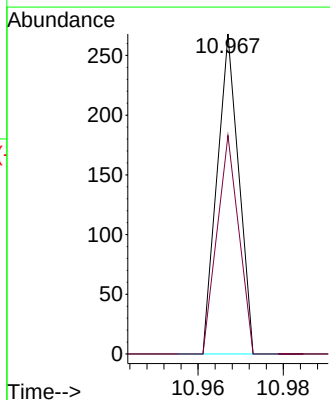
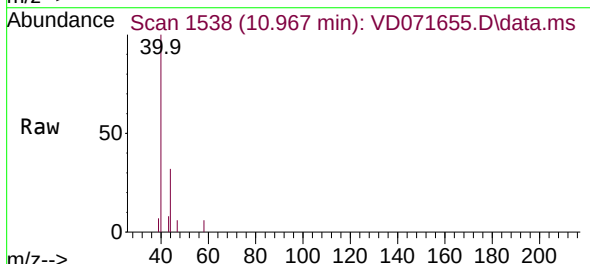
Instrument :
MSVOA_D
ClientSampleId :

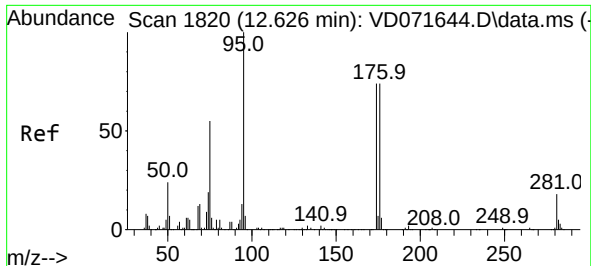
Tgt Ion: 92 Resp: 1084
Ion Ratio Lower Upper
92 100
91 103.0 137.3 205.9#



#59
2-Hexanone
Concen: 1.048 ug/l
RT: 10.967 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VD071655.D
Acq: 10 Jan 2022 13:28

Tgt Ion: 43 Resp: 95
Ion Ratio Lower Upper
43 100
58 68.4 24.3 72.8

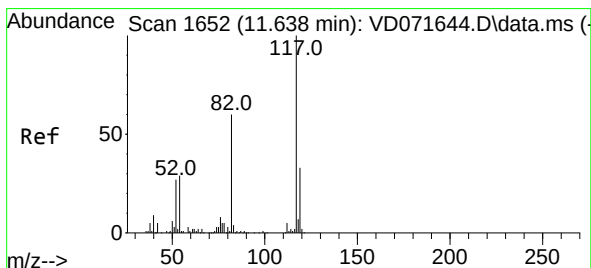
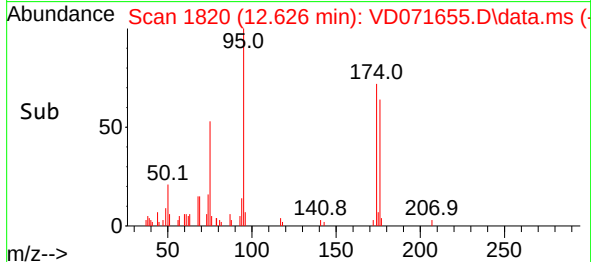
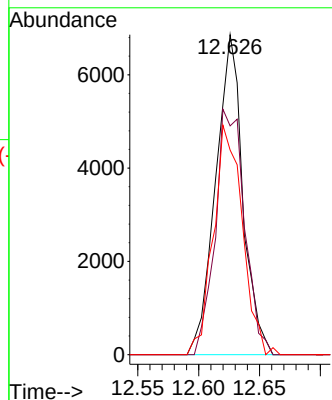
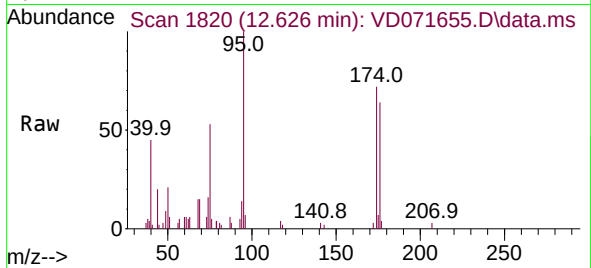




#62
4-Bromofluorobenzene
Concen: 40.998 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071655.D
Acq: 10 Jan 2022 13:28

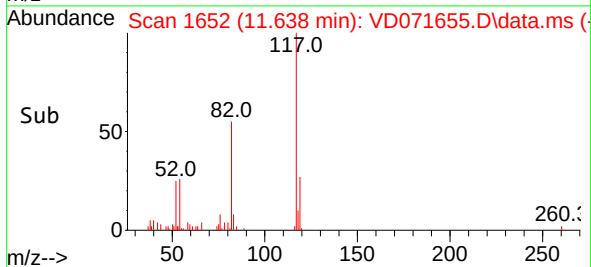
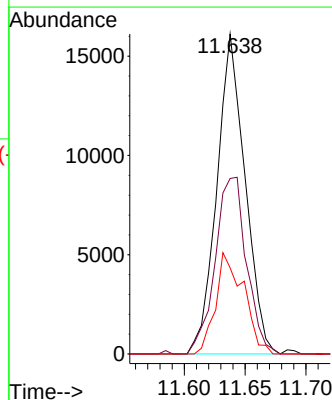
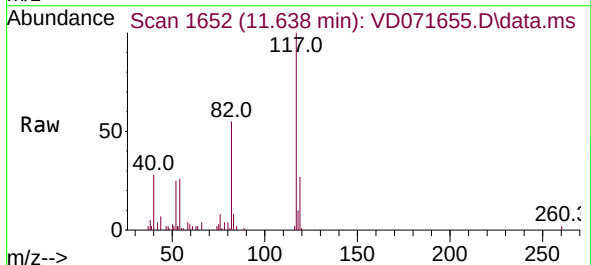
Instrument :
MSVOA_D
ClientSampleId :

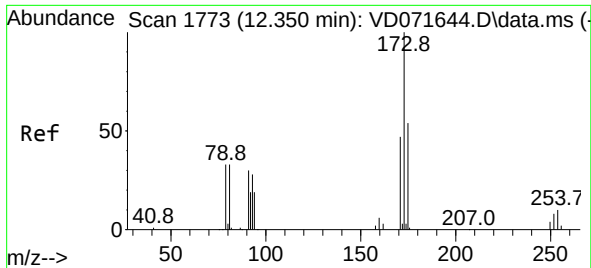
Tgt Ion: 95 Resp: 10660
Ion Ratio Lower Upper
95 100
174 82.6 0.0 150.0
176 76.5 0.0 146.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.001 min
Lab File: VD071655.D
Acq: 10 Jan 2022 13:28

Tgt Ion: 117 Resp: 26056
Ion Ratio Lower Upper
117 100
82 54.8 46.9 70.3
119 26.9 26.6 39.8

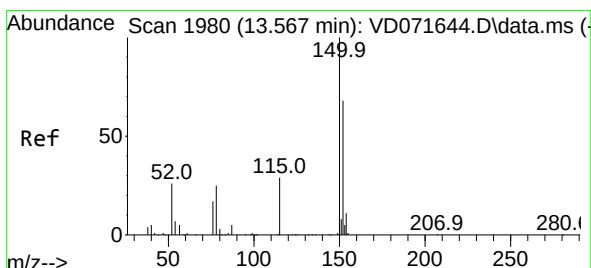
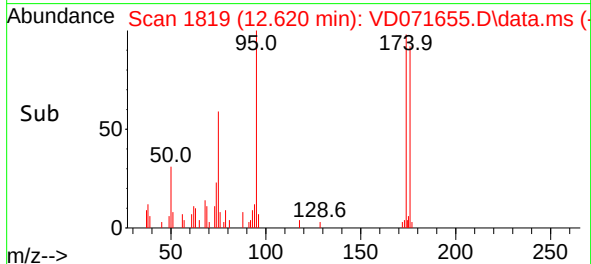
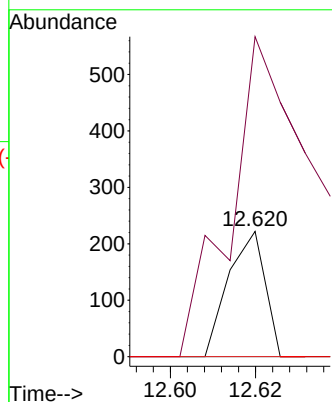
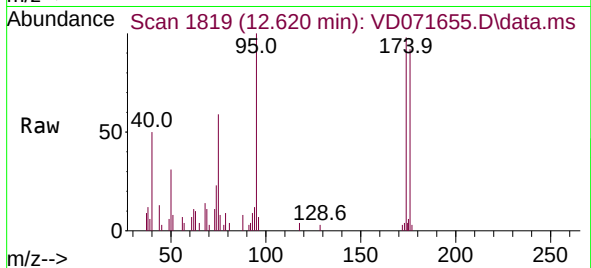




#71
Bromoform
Concen: 1.441 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071655.D
Acq: 10 Jan 2022 13:28

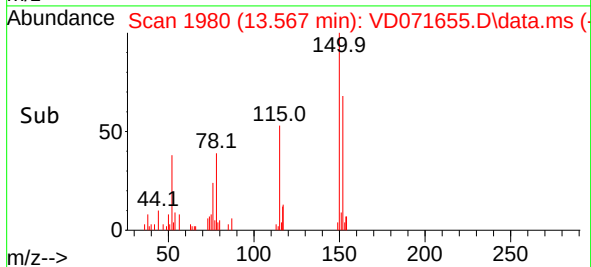
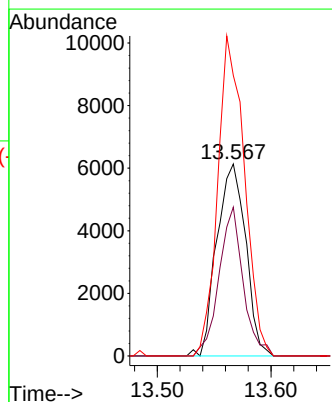
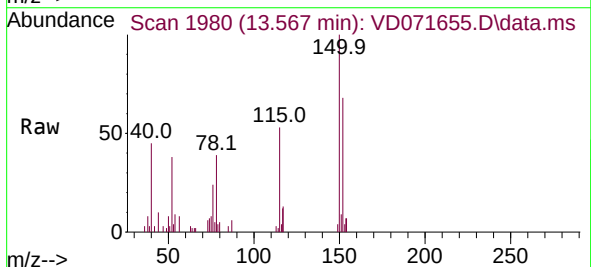
Instrument :
MSVOA_D
ClientSampleId :

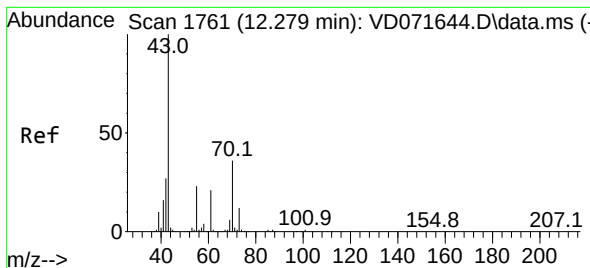
Tgt Ion:173 Resp: 133
Ion Ratio Lower Upper
173 100
175 467.7 24.4 73.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071655.D
Acq: 10 Jan 2022 13:28

Tgt Ion:152 Resp: 10816
Ion Ratio Lower Upper
152 100
115 64.8 31.5 94.5
150 154.6 0.0 348.0





#74

N-amy1 acetate

Concen: 1.511 ug/l

RT: 12.290 min Scan# 1

Delta R.T. 0.012 min

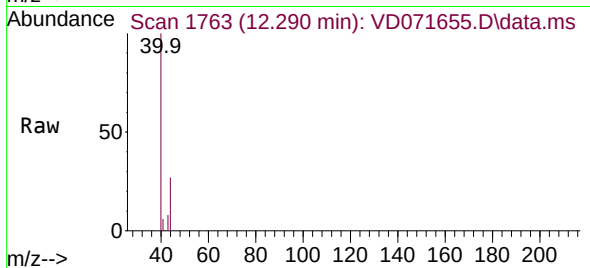
Lab File: VD071655.D

Acq: 10 Jan 2022 13:28

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43 Resp: 288

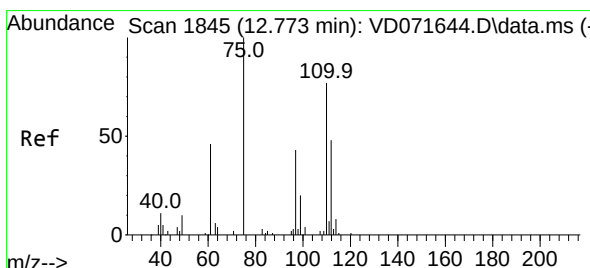
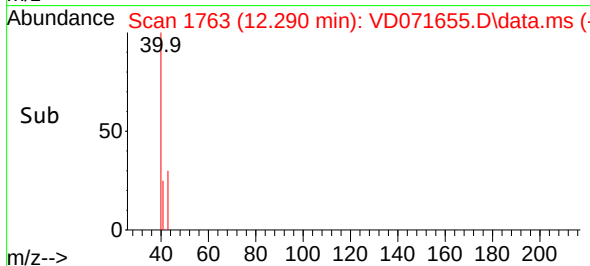
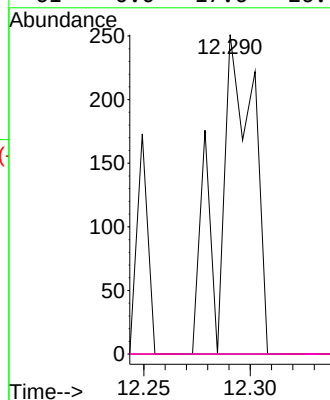
Ion Ratio Lower Upper

43 100

70 0.0 29.5 44.3#

55 0.0 19.1 28.7#

61 0.0 17.6 26.4#



#76

1,2,3-Trichloropropane

Concen: 61.543 ug/l

RT: 12.626 min Scan# 1820

Delta R.T. -0.147 min

Lab File: VD071655.D

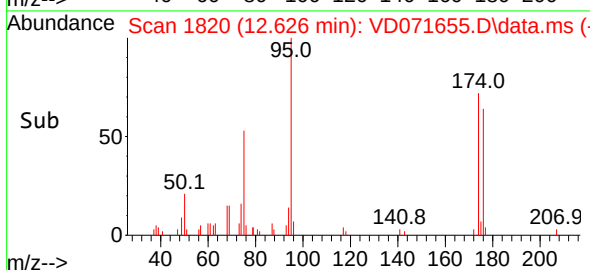
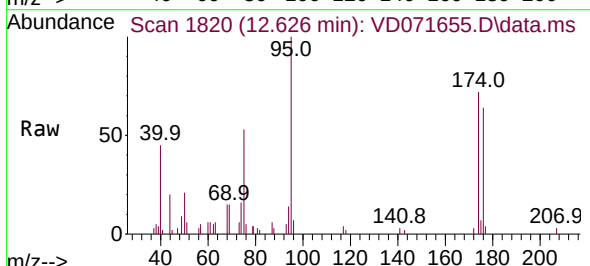
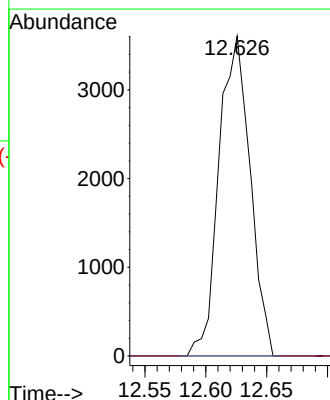
Acq: 10 Jan 2022 13:28

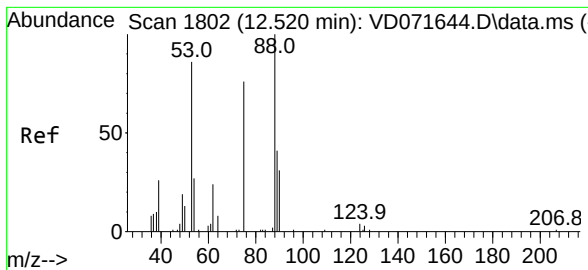
Tgt Ion: 75 Resp: 6432

Ion Ratio Lower Upper

75 100

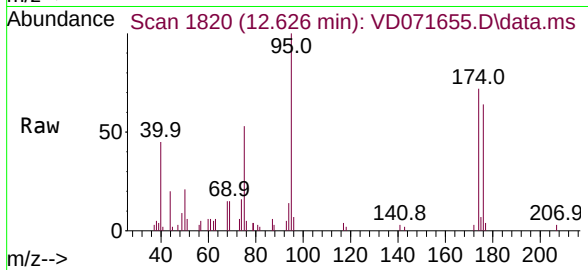
77 0.0 0.0 0.0





#81
 trans-1,4-Dichloro-2-butene
 Concen: 171.574 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071655.D
 Acq: 10 Jan 2022 13:28

Instrument :
 MSVOA_D
 ClientSampleId :



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

