

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111921\
 Data File : VD071057.D
 Acq On : 19 Nov 2021 15:28
 Operator : VA/SY
 Sample : M4758-01RE
 Misc : 5.02G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1RE

Quant Time: Nov 22 02:53:13 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)

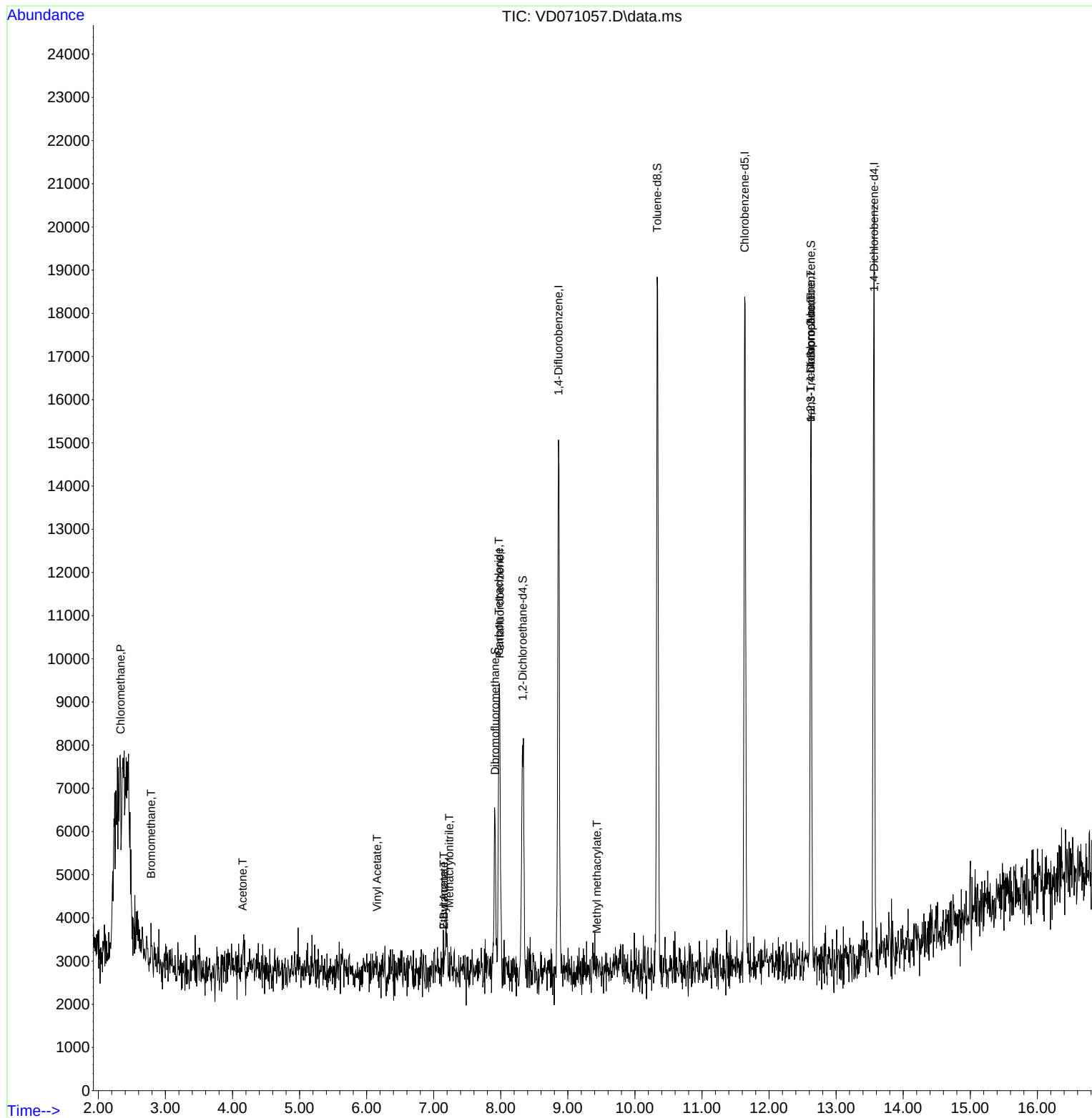
Internal Standards						
1) Pentafluorobenzene	7.985	168	5397	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	9454	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	9255	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	4191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	4756	82.767	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 165.540%#	
35) Dibromofluoromethane	7.914	113	2451	45.944	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 91.880%	
50) Toluene-d8	10.332	98	10720	51.312	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 102.620%	
62) 4-Bromofluorobenzene	12.626	95	4510	59.954	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 119.900%	
Target Compounds						
3) Chloromethane	2.332	50	60	1.094	ug/l #	42
5) Bromomethane	2.785	94	59	1.640	ug/l #	80
16) Acetone	4.150	43	442	46.024	ug/l #	40
23) Vinyl Acetate	6.155	43	67	21.524	ug/l #	72
25) 2-Butanone	7.149	43	55	22.886	ug/l #	45
37) Ethyl Acetate	7.149	43	55	1.428	ug/l #	66
38) Carbon Tetrachloride	7.973	117	529	6.805	ug/l #	12
41) Methacrylonitrile	7.232	41	56	5.341	ug/l #	12
48) Methyl methacrylate	9.432	41	65	1.626	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	2690	75.141	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	2690	138.387	ug/l #	18

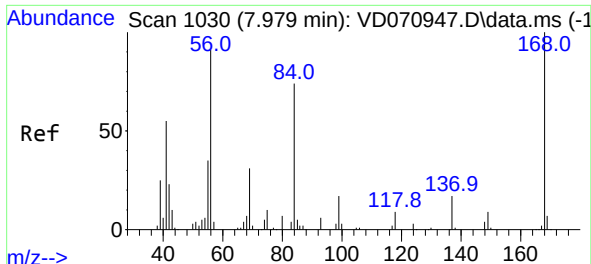
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

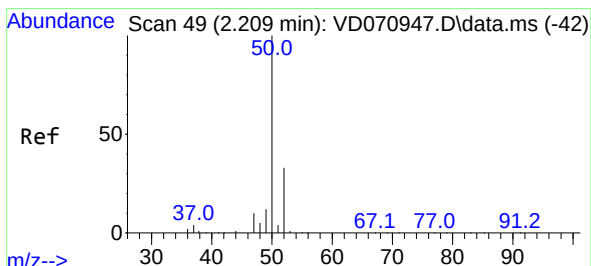
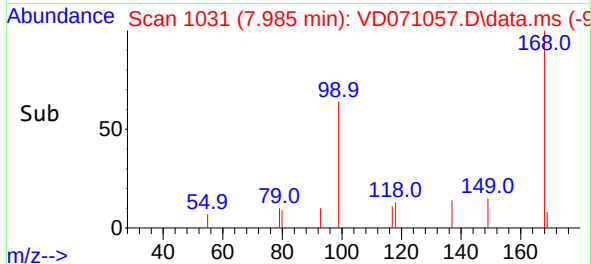
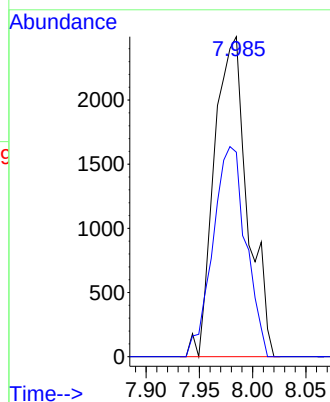
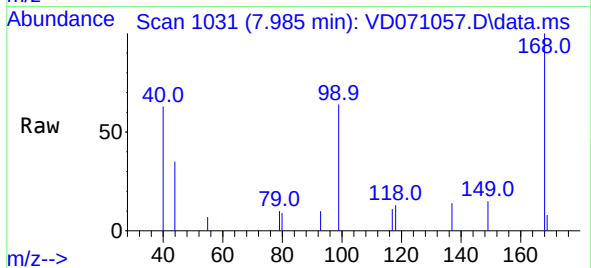




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.985 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD071057.D
Acq: 19 Nov 2021 15:28

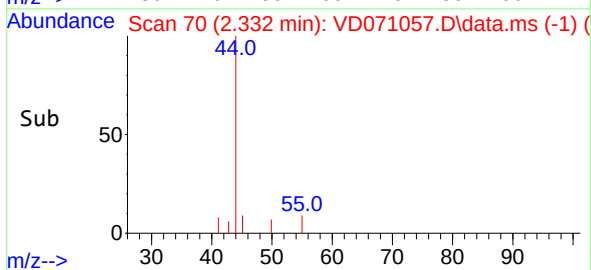
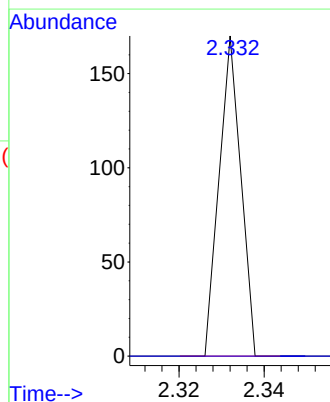
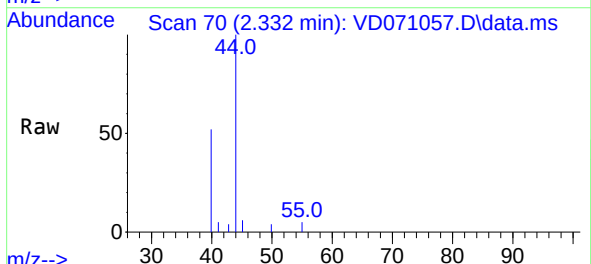
Instrument :
MSVOA_D
ClientSampleId :
TP1RE

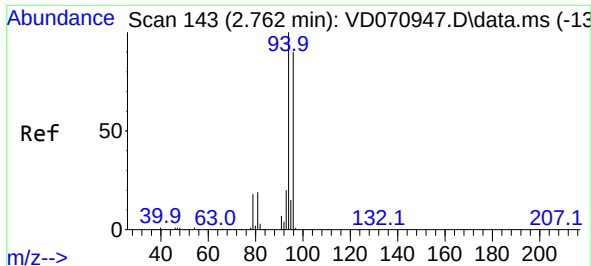
Tgt Ion:168 Resp: 5397
Ion Ratio Lower Upper
168 100
99 63.9 46.6 69.8



#3
Chloromethane
Concen: 1.094 ug/l
RT: 2.332 min Scan# 70
Delta R.T. 0.123 min
Lab File: VD071057.D
Acq: 19 Nov 2021 15:28

Tgt Ion: 50 Resp: 60
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#

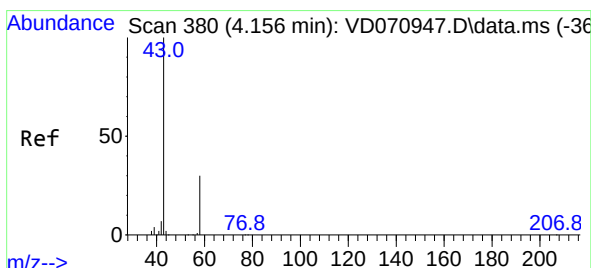
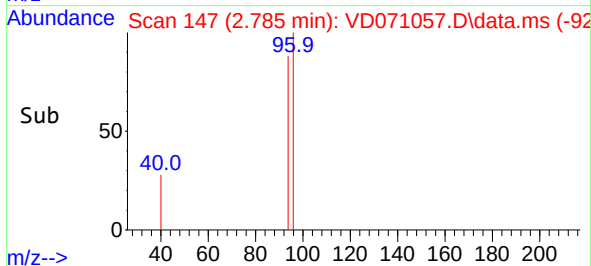
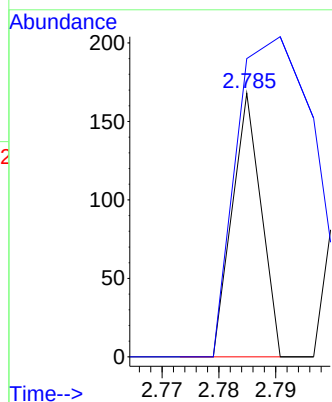
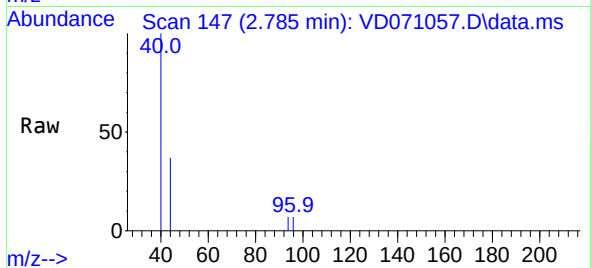




#5
Bromomethane
Concen: 1.640 ug/l
RT: 2.785 min Scan# 14
Delta R.T. 0.023 min
Lab File: VD071057.D
Acq: 19 Nov 2021 15:28

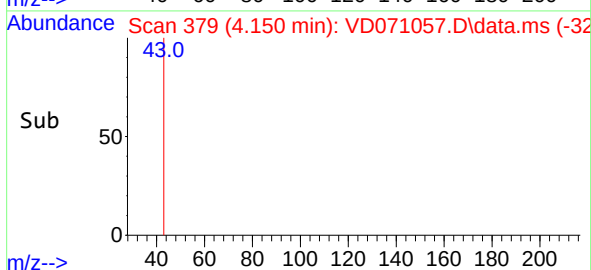
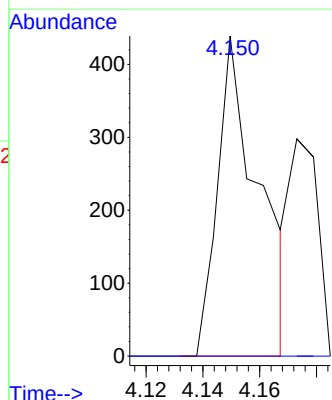
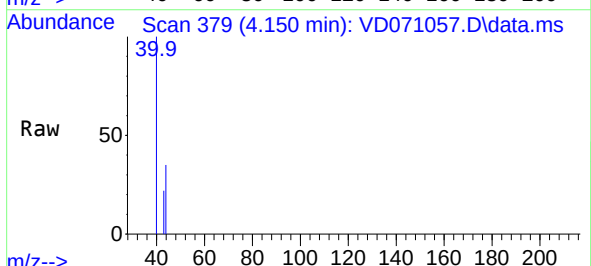
Instrument :
MSVOA_D
ClientSampleId :
TP1RE

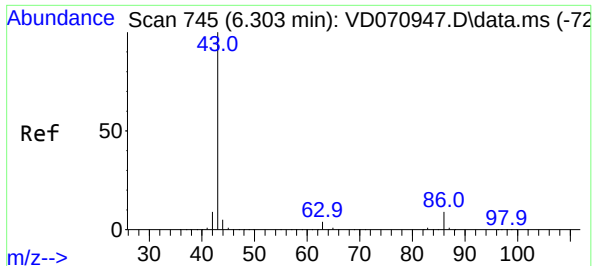
Tgt Ion: 94 Resp: 59
Ion Ratio Lower Upper
94 100
96 113.1 74.8 112.2#



#16
Acetone
Concen: 46.024 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.006 min
Lab File: VD071057.D
Acq: 19 Nov 2021 15:28

Tgt Ion: 43 Resp: 442
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

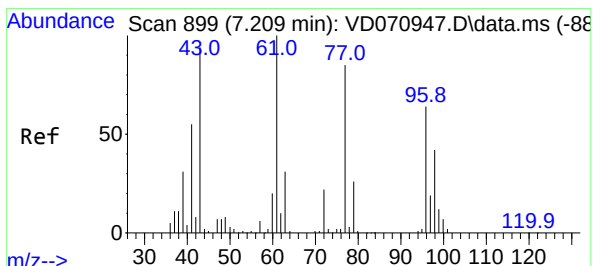
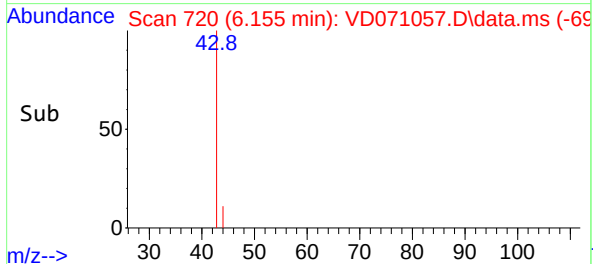
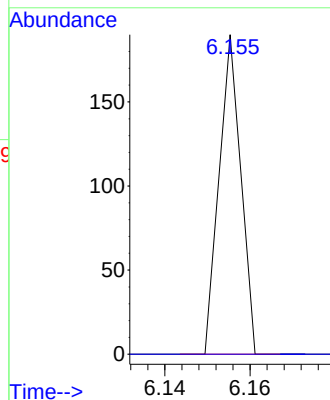
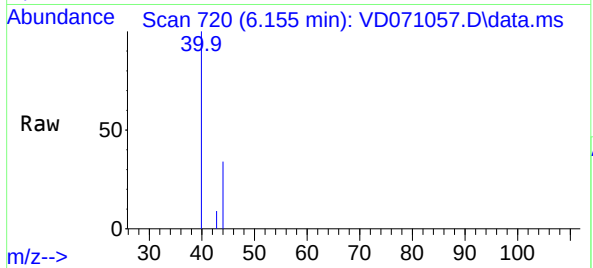




#23
 Vinyl Acetate
 Concen: 21.524 ug/l
 RT: 6.155 min Scan# 71
 Delta R.T. -0.148 min
 Lab File: VD071057.D
 Acq: 19 Nov 2021 15:28

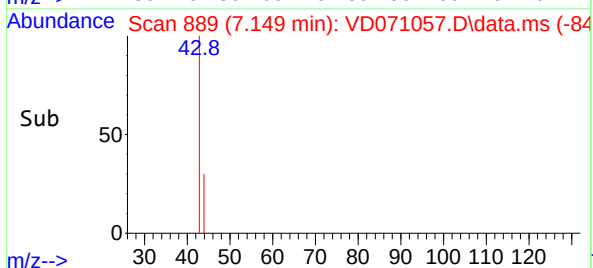
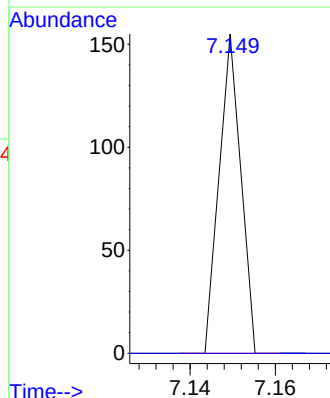
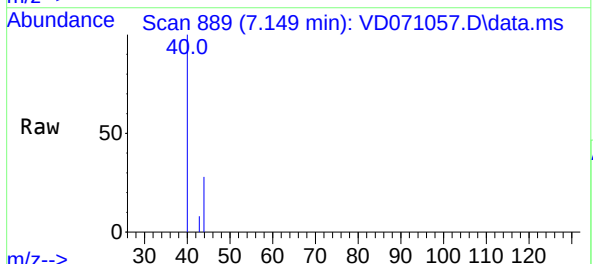
Instrument :
 MSVOA_D
 ClientSampleId :
 TP1RE

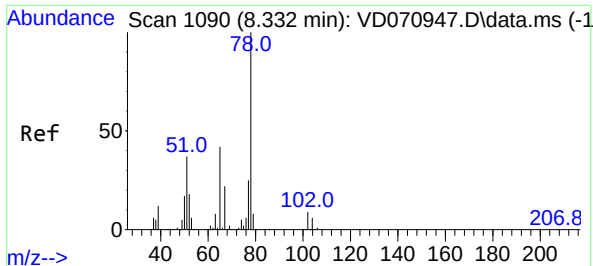
Tgt Ion: 43 Resp: 67
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 22.886 ug/l
 RT: 7.149 min Scan# 889
 Delta R.T. -0.060 min
 Lab File: VD071057.D
 Acq: 19 Nov 2021 15:28

Tgt Ion: 43 Resp: 55
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#33

1,2-Dichloroethane-d4

Concen: 82.767 ug/l

RT: 8.326 min Scan# 1090

Delta R.T. -0.006 min

Lab File: VD071057.D

Acq: 19 Nov 2021 15:28

Instrument :

MSVOA_D

ClientSampleId :

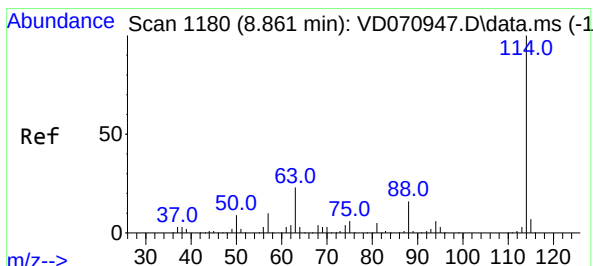
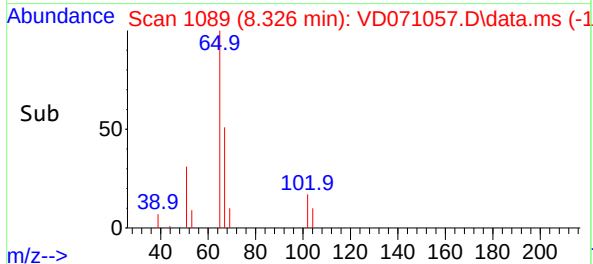
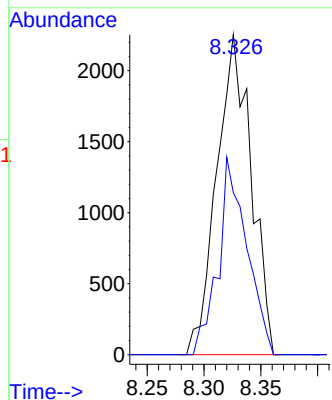
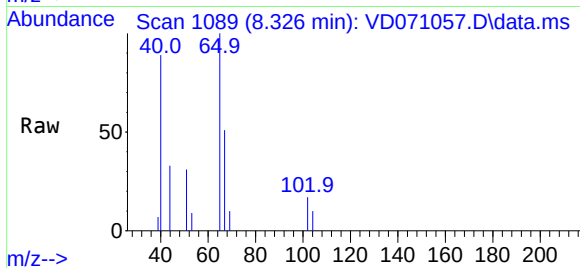
TP1RE

Tgt Ion: 65 Resp: 4756

Ion Ratio Lower Upper

65 100

67 51.2 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: VD071057.D

Acq: 19 Nov 2021 15:28

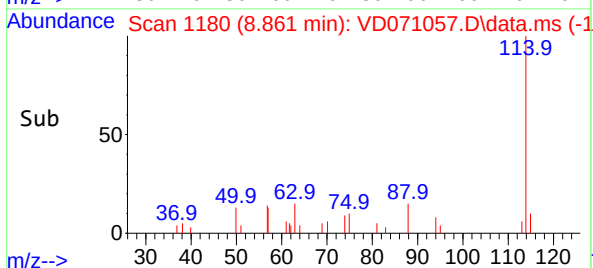
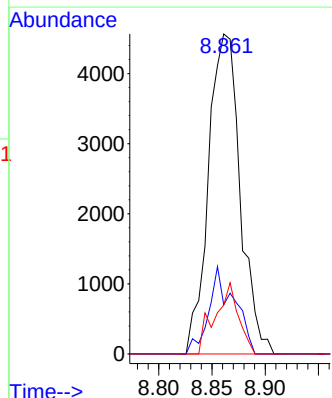
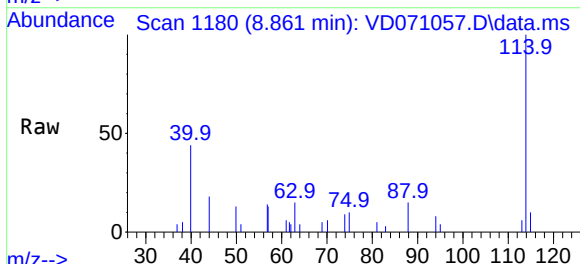
Tgt Ion: 114 Resp: 9454

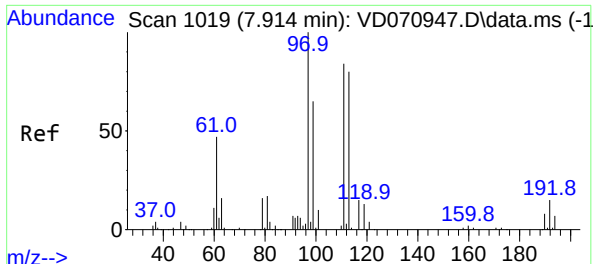
Ion Ratio Lower Upper

114 100

63 15.4 0.0 41.8

88 15.3 0.0 32.8





#35

Dibromofluoromethane

Concen: 45.944 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.000 min

Lab File: VD071057.D

Acq: 19 Nov 2021 15:28

Instrument :

MSVOA_D

ClientSampleId :

TP1RE

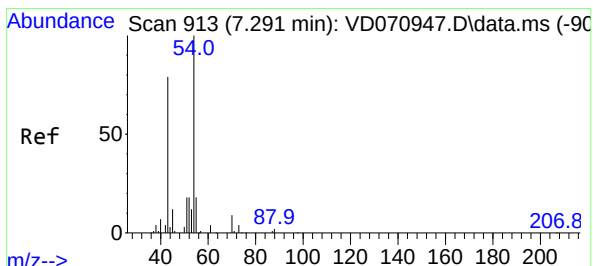
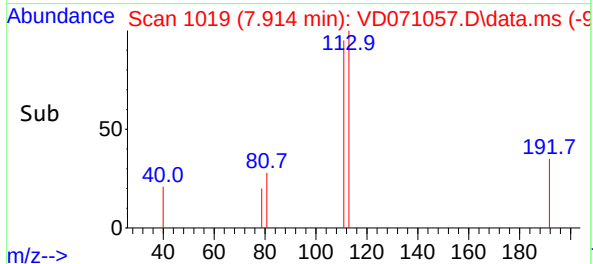
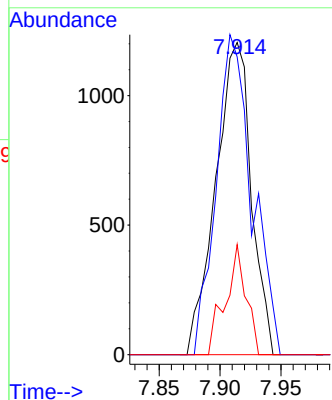
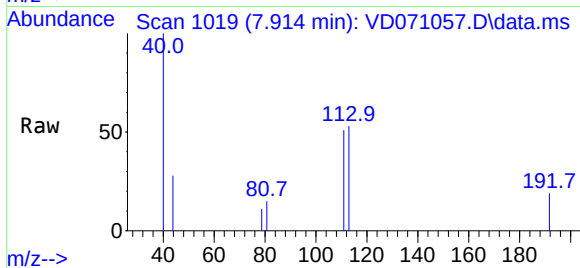
Tgt Ion:113 Resp: 2451

Ion Ratio Lower Upper

113 100

111 103.4 82.0 123.0

192 20.4 15.2 22.8



#37

Ethyl Acetate

Concen: 1.428 ug/l

RT: 7.149 min Scan# 889

Delta R.T. -0.142 min

Lab File: VD071057.D

Acq: 19 Nov 2021 15:28

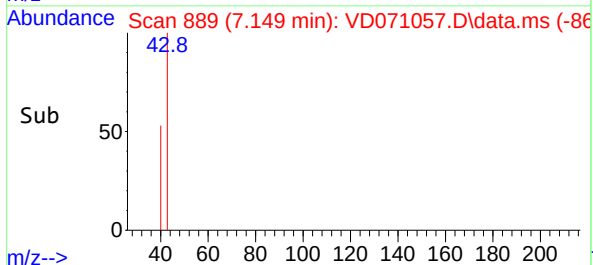
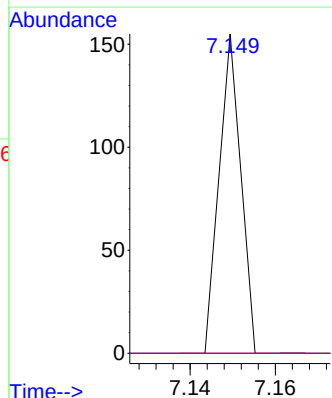
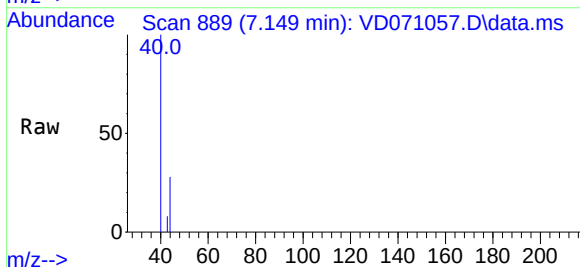
Tgt Ion: 43 Resp: 55

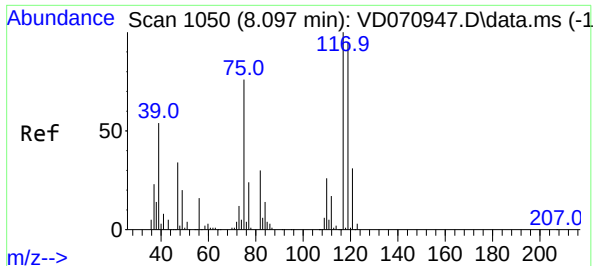
Ion Ratio Lower Upper

43 100

61 0.0 13.0 19.6#

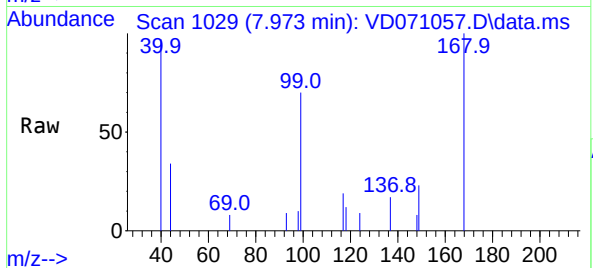
70 0.0 8.7 13.1#



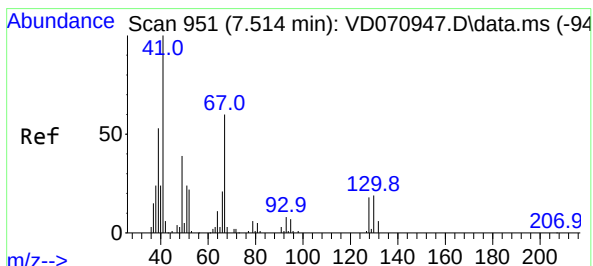
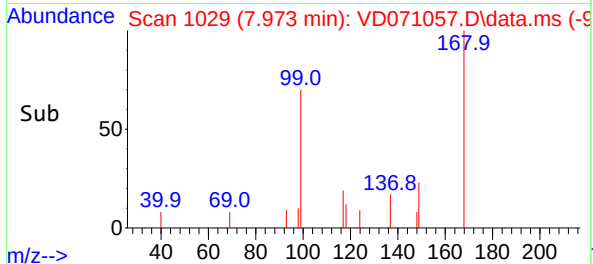
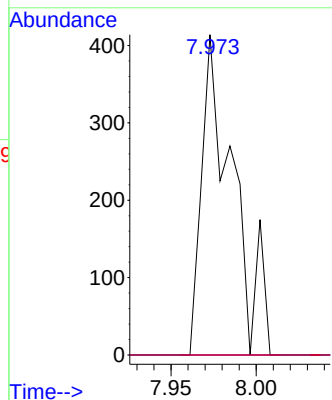


#38
Carbon Tetrachloride
Concen: 6.805 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071057.D
Acq: 19 Nov 2021 15:28

Instrument :
MSVOA_D
ClientSampleId :
TP1RE

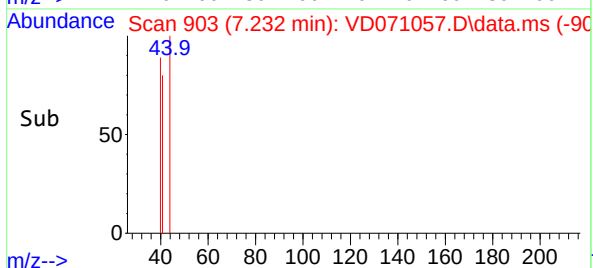
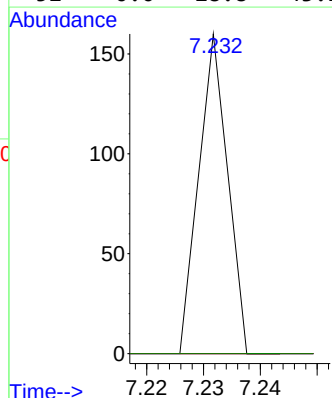
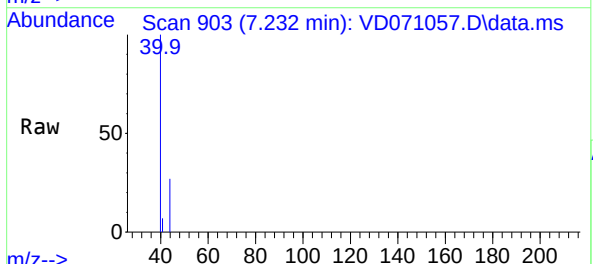


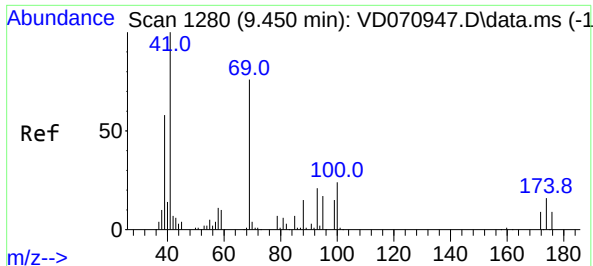
Tgt Ion:117 Resp: 529
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#41
Methacrylonitrile
Concen: 5.341 ug/l
RT: 7.232 min Scan# 903
Delta R.T. -0.282 min
Lab File: VD071057.D
Acq: 19 Nov 2021 15:28

Tgt Ion: 41 Resp: 56
Ion Ratio Lower Upper
41 100
39 0.0 60.2 90.4#
67 0.0 74.8 112.2#
52 0.0 28.8 43.2#





#48

Methyl methacrylate

Concen: 1.626 ug/l

RT: 9.432 min Scan# 11

Delta R.T. -0.018 min

Lab File: VD071057.D

Acq: 19 Nov 2021 15:28

Instrument :

MSVOA_D

ClientSampleId :

TP1RE

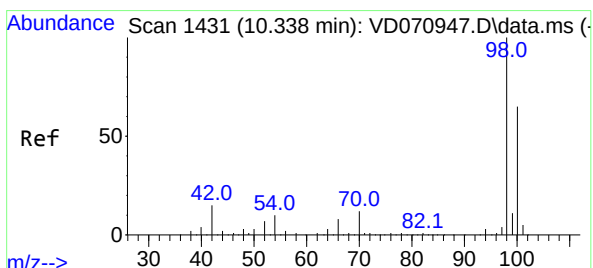
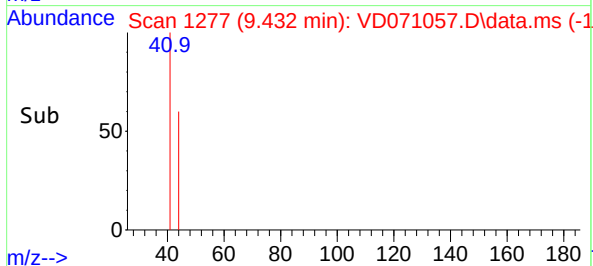
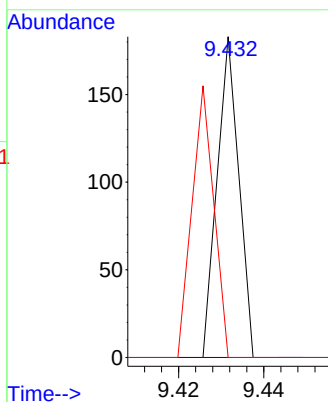
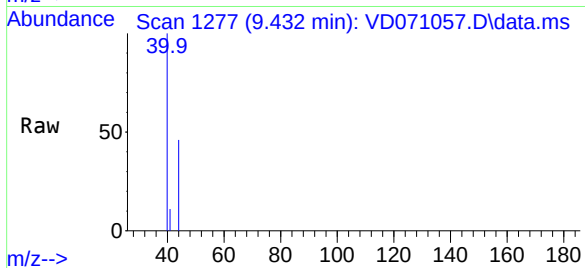
Tgt Ion: 41 Resp: 65

Ion Ratio Lower Upper

41 100

69 0.0 69.8 104.6#

39 84.6 35.6 53.4#



#50

Toluene-d8

Concen: 51.312 ug/l

RT: 10.332 min Scan# 1430

Delta R.T. -0.006 min

Lab File: VD071057.D

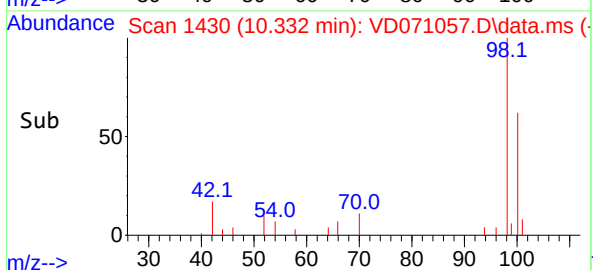
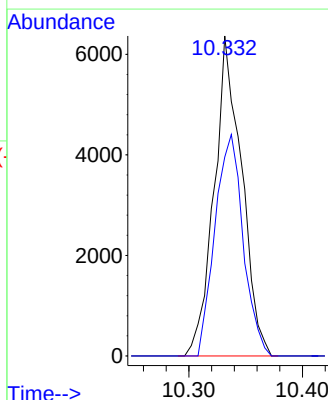
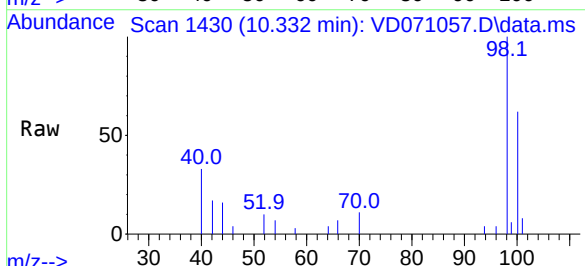
Acq: 19 Nov 2021 15:28

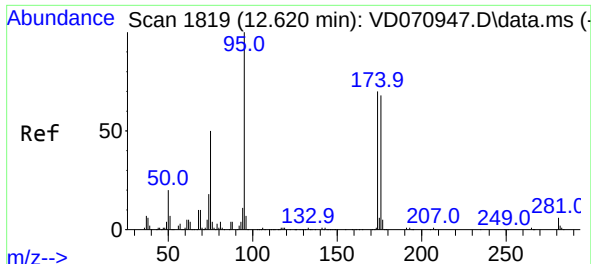
Tgt Ion: 98 Resp: 10720

Ion Ratio Lower Upper

98 100

100 70.6 51.8 77.6

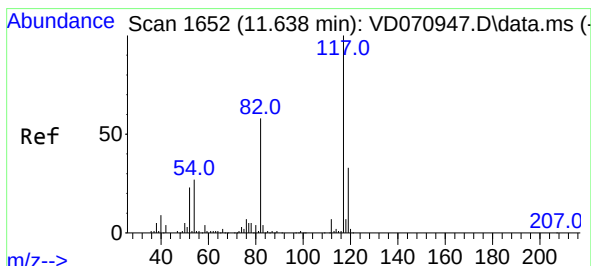
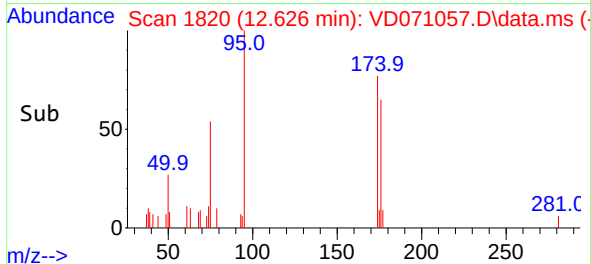
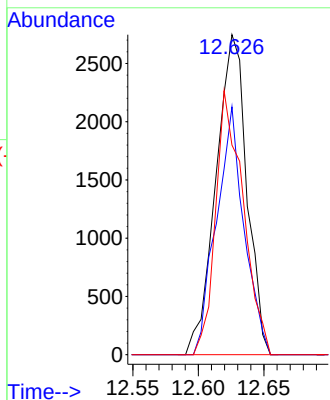
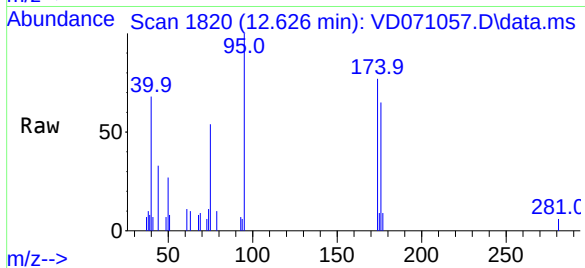




#62
4-Bromofluorobenzene
Concen: 59.954 ug/l
RT: 12.626 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD071057.D
Acq: 19 Nov 2021 15:28

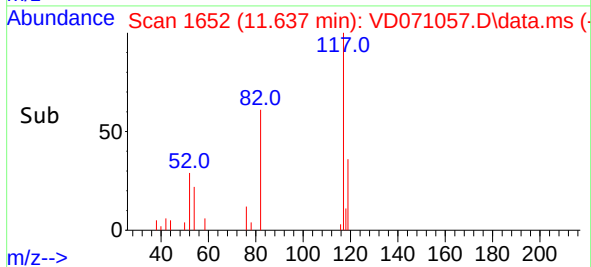
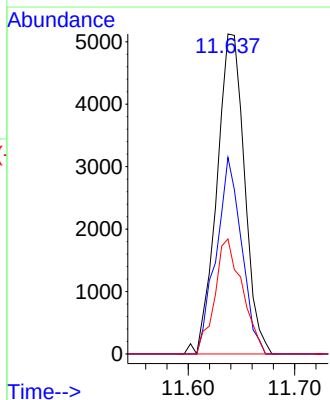
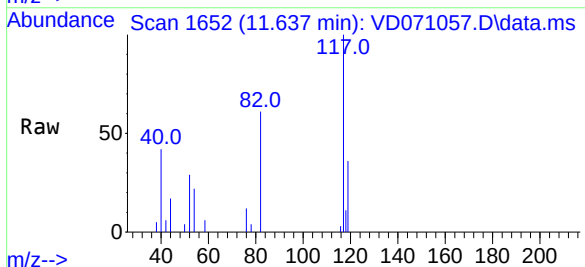
Instrument :
MSVOA_D
ClientSampleId :
TP1RE

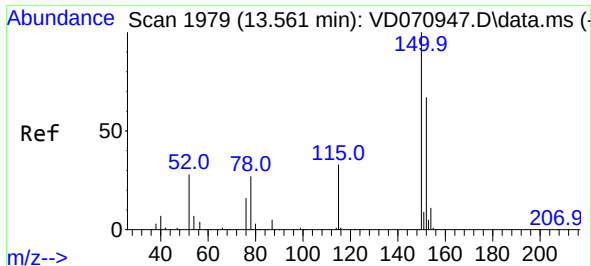
Tgt Ion:	95	Resp:	4510
Ion	Ratio	Lower	Upper
95	100		
174	69.3	0.0	159.4
176	73.4	0.0	154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD071057.D
Acq: 19 Nov 2021 15:28

Tgt Ion:	117	Resp:	9255
Ion	Ratio	Lower	Upper
117	100		
82	61.4	44.7	67.1
119	36.0	26.2	39.4

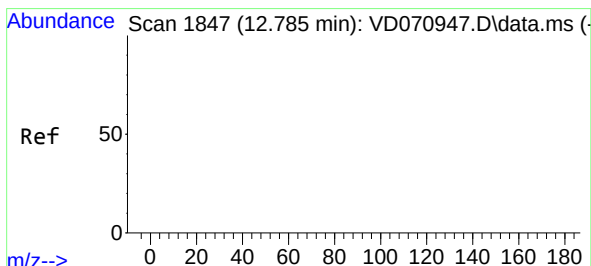
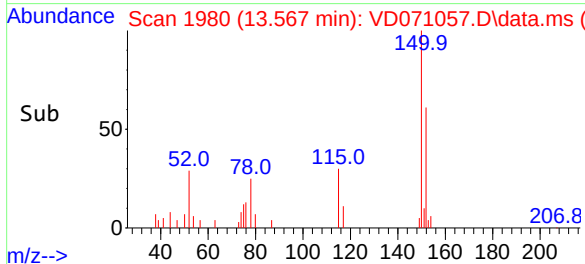
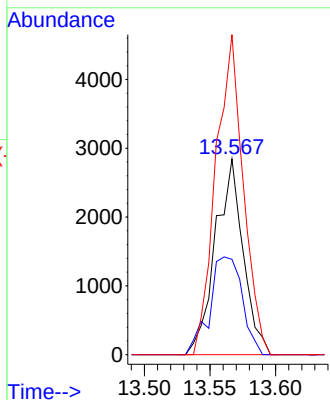
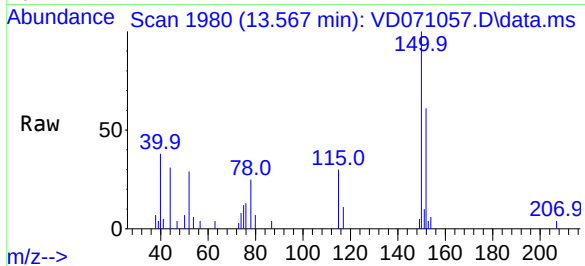




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1819
Delta R.T. 0.006 min
Lab File: VD071057.D
Acq: 19 Nov 2021 15:28

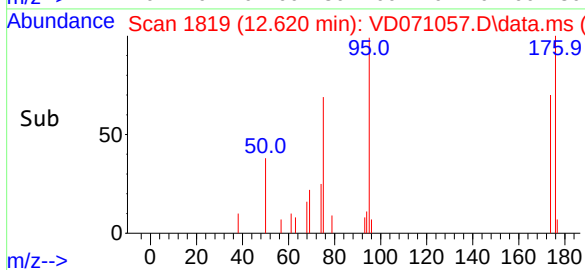
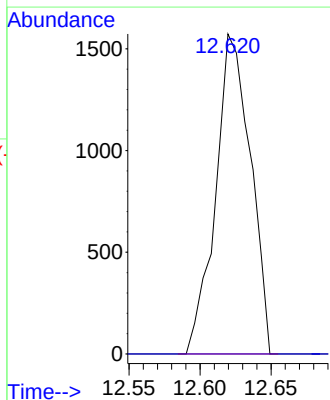
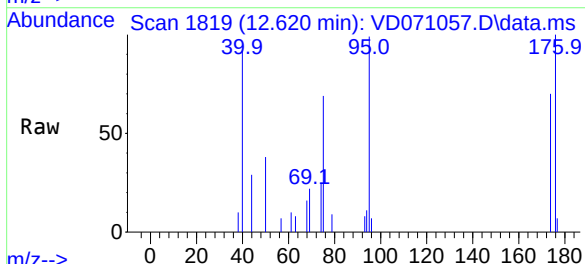
Instrument :
MSVOA_D
ClientSampleId :
TP1RE

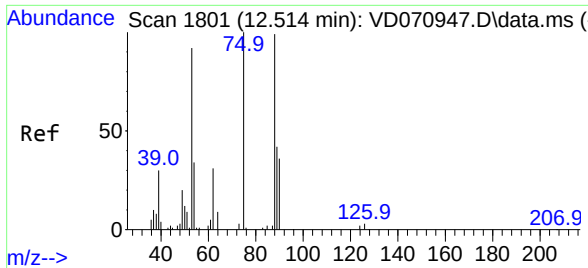
Tgt Ion:152 Resp: 4191
Ion Ratio Lower Upper
152 100
115 58.5 29.8 89.3
150 161.9 0.0 349.2



#76
1,2,3-Trichloropropane
Concen: 75.141 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.165 min
Lab File: VD071057.D
Acq: 19 Nov 2021 15:28

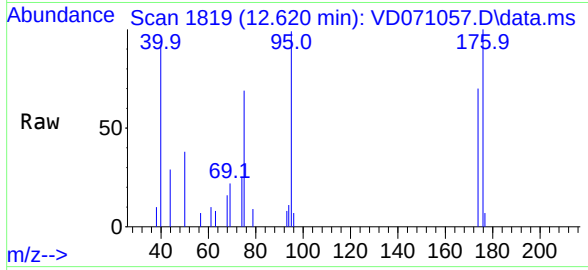
Tgt Ion: 75 Resp: 2690
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 138.387 ug/l
 RT: 12.620 min Scan# 1801
 Delta R.T. 0.106 min
 Lab File: VD071057.D
 Acq: 19 Nov 2021 15:28

Instrument :
 MSVOA_D
 ClientSampleId :
 TP1RE



Tgt Ion: 75 Resp: 2690
 Ion Ratio Lower Upper
 75 100
 53 0.0 62.6 94.0#
 89 0.0 34.5 51.7#

