

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120721\
 Data File : VD071191.D
 Acq On : 07 Dec 2021 18:51
 Operator : VA/SY
 Sample : M4954-01RE
 Misc : 4.96G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 08 02:52:40 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 29 17:54:09 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.979	168	271375	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	488212	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	472753	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	178783	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	146907	46.14	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	92.28%
35) Dibromofluoromethane	7.914	113	150875	48.53	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.06%
50) Toluene-d8	10.338	98	605609	51.19	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	102.38%
62) 4-Bromofluorobenzene	12.626	95	217302	52.99	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	105.98%

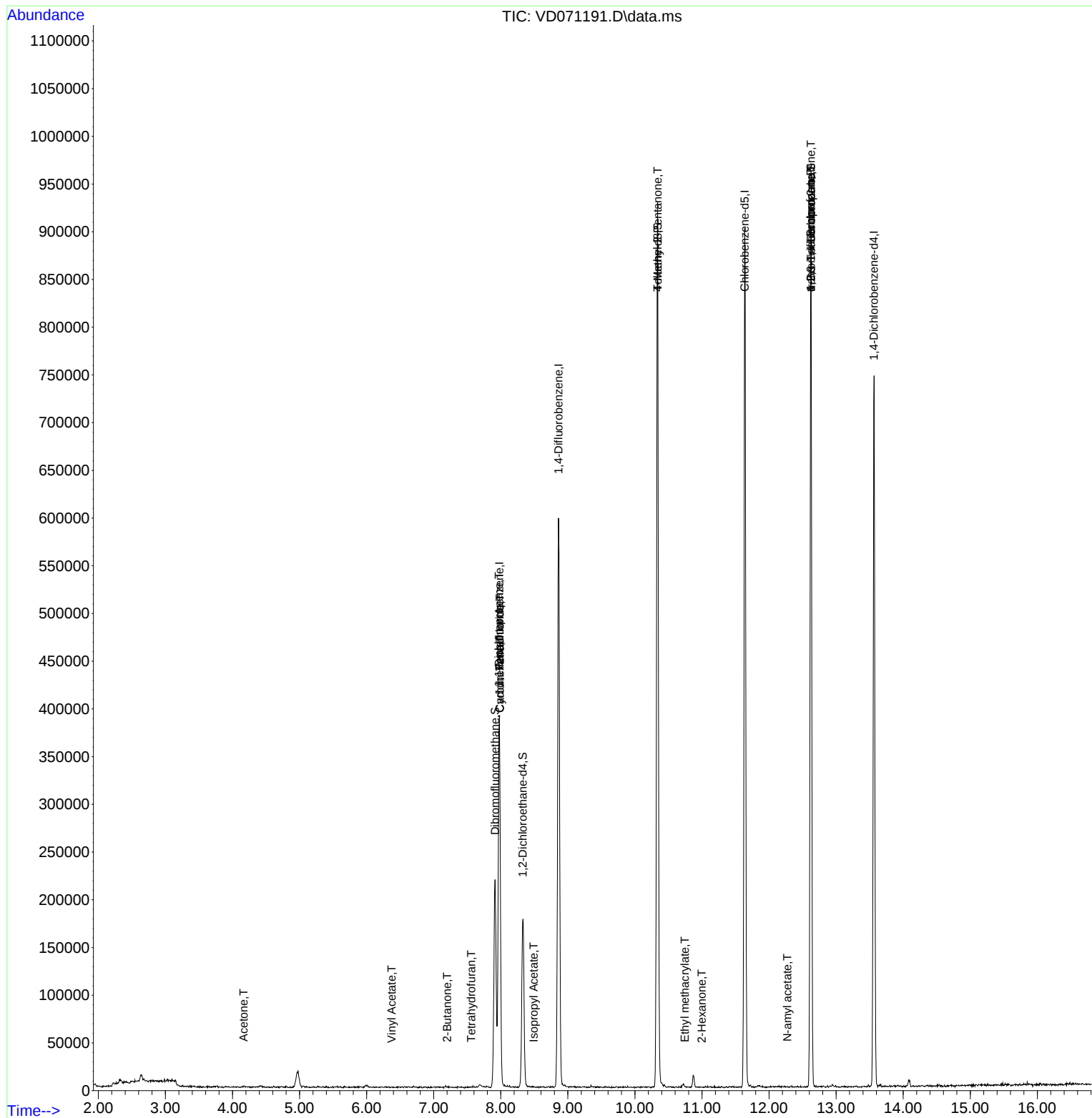
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.167	43	2052	32.92	ug/l #	40
20) Methylene Chloride	4.979	84	12021	Below Cal		91
23) Vinyl Acetate	6.373	43	58	27.23	ug/l #	72
25) 2-Butanone	7.203	43	163	28.51	ug/l #	45
29) Tetrahydrofuran	7.561	42	576	1.14	ug/l #	45
31) Cyclohexane	7.985	56	7727	1.43	ug/l #	39
36) 1,1-Dichloropropene	7.973	75	25380	5.56	ug/l #	48
38) Carbon Tetrachloride	7.985	117	29021	6.45	ug/l #	15
41) Methacrylonitrile	7.567	41	70	Below Cal	#	17
43) Isopropyl Acetate	8.491	43	122	5.25	ug/l #	32
51) 4-Methyl-2-Pentanone	10.338	43	3922	32.20	ug/l #	1
56) Ethyl methacrylate	10.744	69	79	5.99	ug/l #	1
59) 2-Hexanone	10.996	43	182	34.67	ug/l #	22
71) Bromoform	12.620	173	2063	1.24	ug/l #	1
74) N-amyl acetate	12.273	43	307	5.78	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	122147	71.71	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	122147	154.13	ug/l #	19

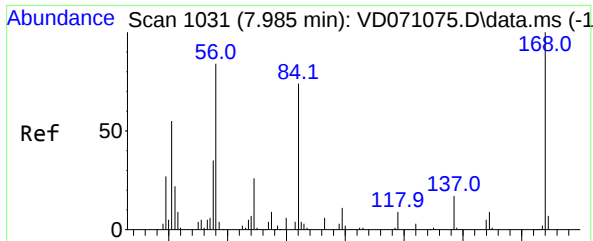
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 08 02:52:40 2021
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Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

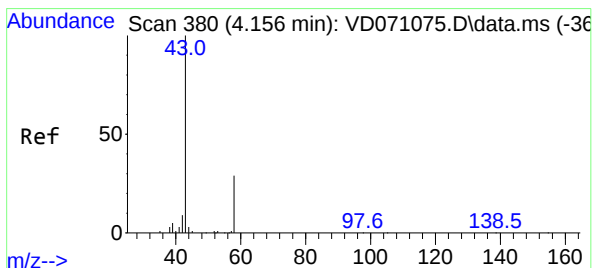
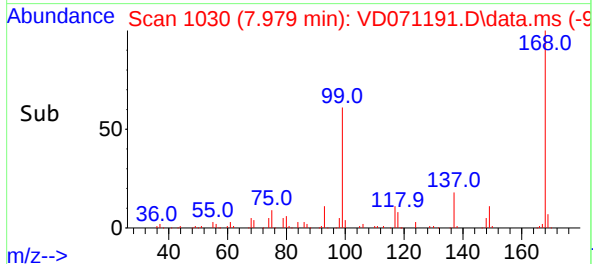
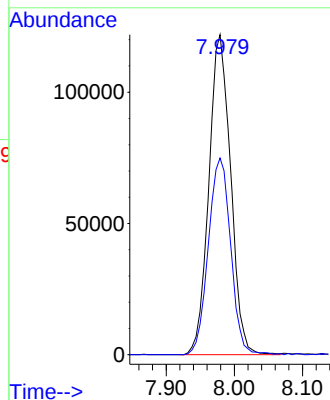
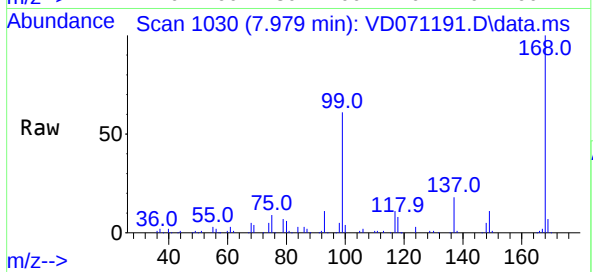




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

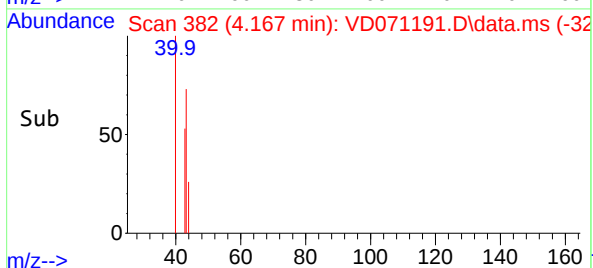
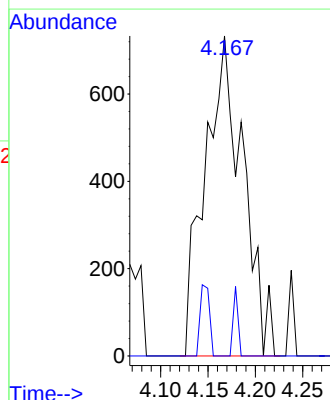
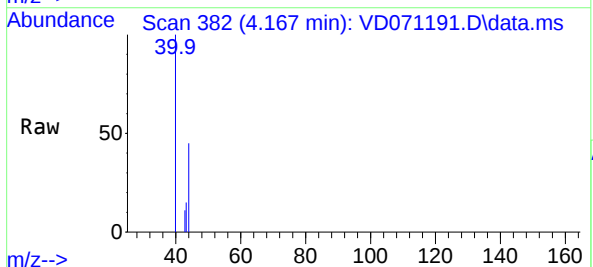
Instrument :
MSVOA_D
ClientSampleId :

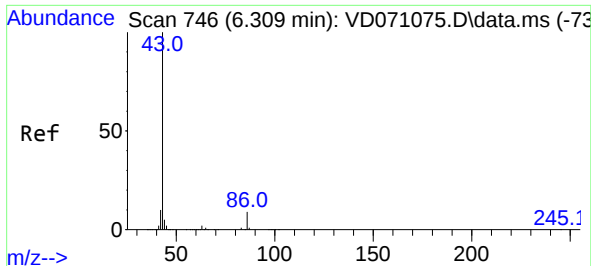
Tgt Ion:168 Resp: 271375
Ion Ratio Lower Upper
168 100
99 61.4 46.6 69.8



#16
Acetone
Concen: 32.92 ug/l
RT: 4.167 min Scan# 382
Delta R.T. 0.011 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

Tgt Ion: 43 Resp: 2052
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#

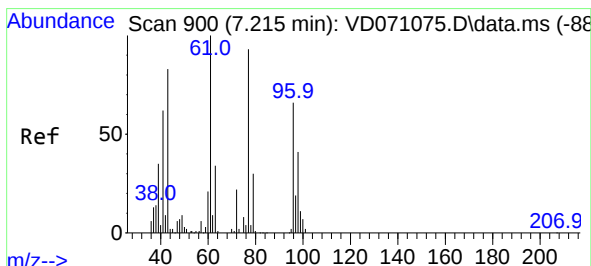
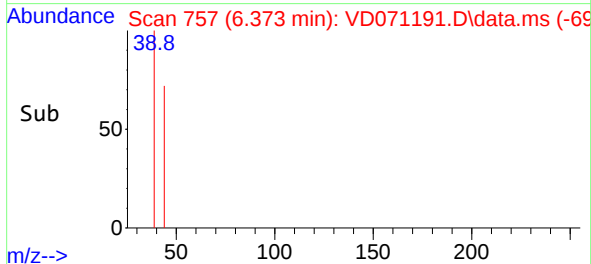
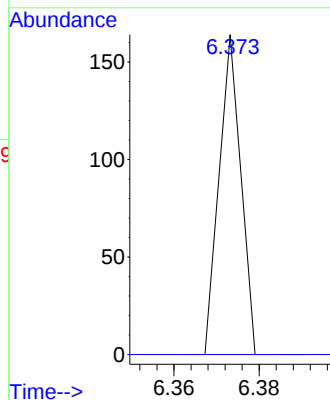
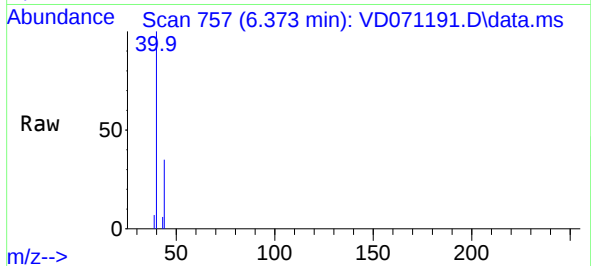




#23
 Vinyl Acetate
 Concen: 27.23 ug/l
 RT: 6.373 min Scan# 71
 Delta R.T. 0.064 min
 Lab File: VD071191.D
 Acq: 07 Dec 2021 18:51

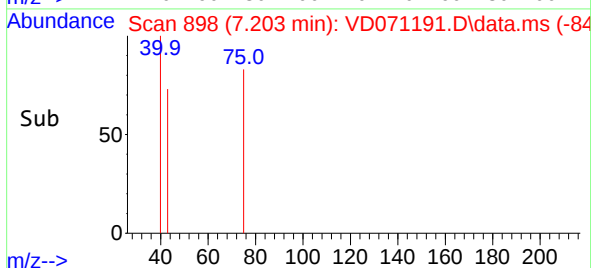
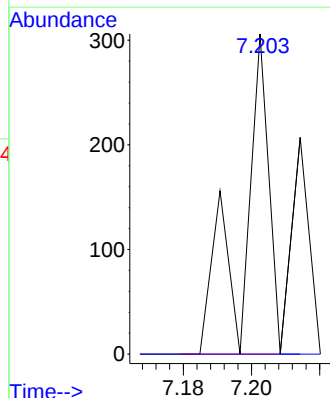
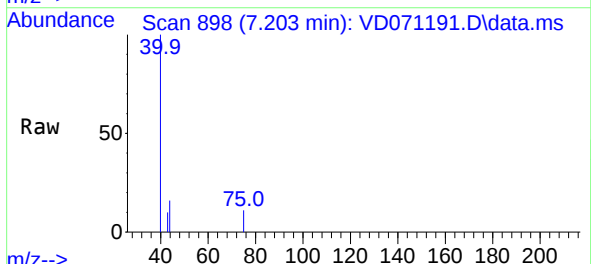
Instrument :
 MSVOA_D
 ClientSampleId :

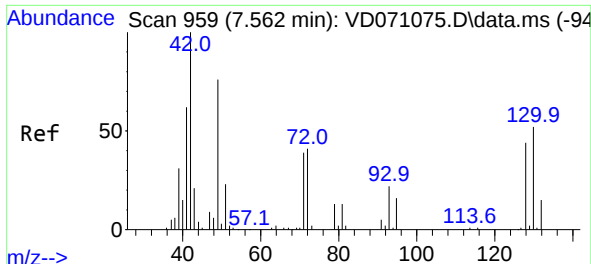
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.51 ug/l
 RT: 7.203 min Scan# 898
 Delta R.T. -0.012 min
 Lab File: VD071191.D
 Acq: 07 Dec 2021 18:51

Tgt Ion: 43 Resp: 163
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#29

Tetrahydrofuran

Concen: 1.14 ug/l

RT: 7.561 min Scan# 91

Delta R.T. -0.001 min

Lab File: VD071191.D

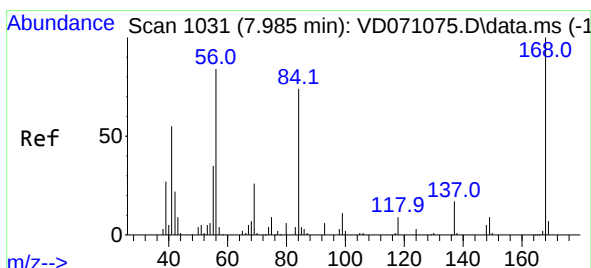
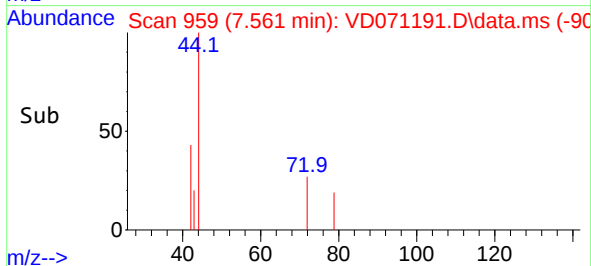
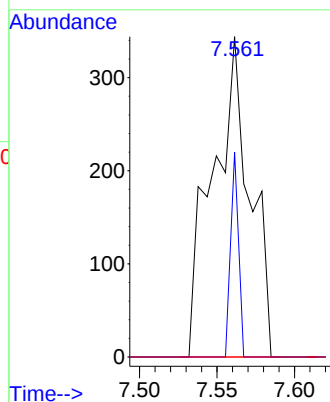
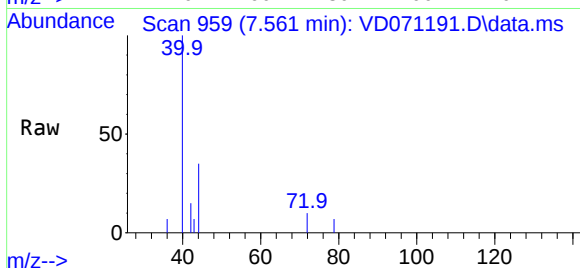
Acq: 07 Dec 2021 18:51

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 42	Resp: 576
Ion Ratio	Lower Upper
42 100	
72 13.5	33.7 50.5#
71 0.0	32.7 49.1#



#31

Cyclohexane

Concen: 1.43 ug/l

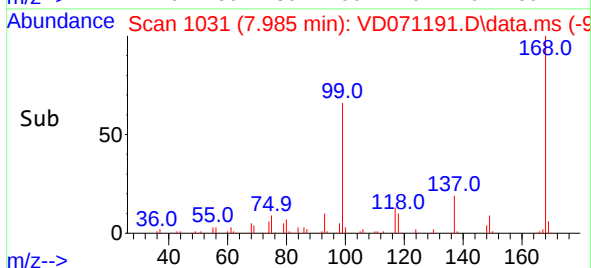
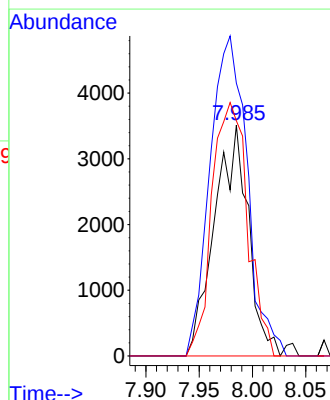
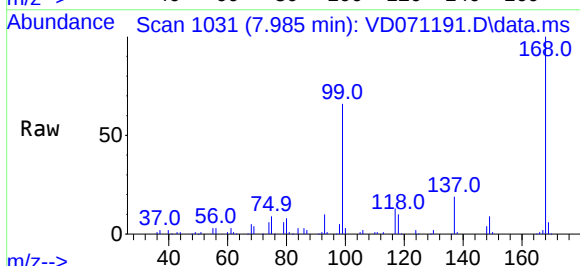
RT: 7.985 min Scan# 1031

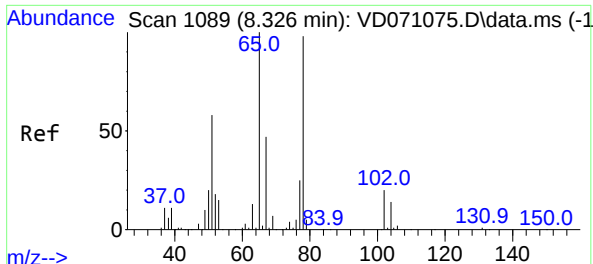
Delta R.T. -0.000 min

Lab File: VD071191.D

Acq: 07 Dec 2021 18:51

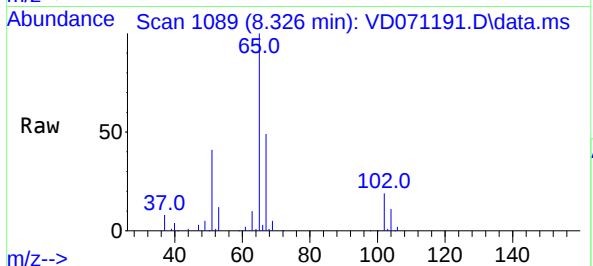
Tgt Ion: 56	Resp: 7727
Ion Ratio	Lower Upper
56 100	
69 118.1	25.9 38.9#
84 101.8	64.3 96.5#



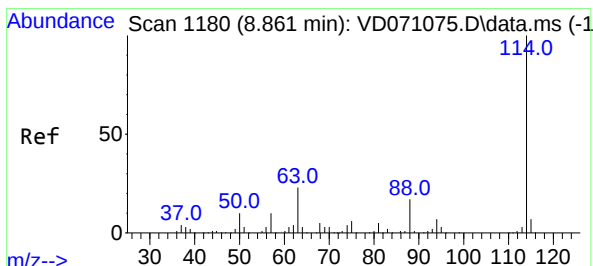
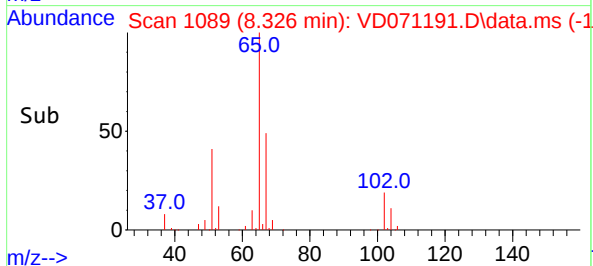
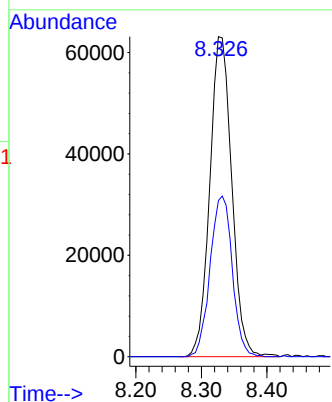


#33
1,2-Dichloroethane-d4
Concen: 46.14 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

Instrument :
MSVOA_D
ClientSampleId :

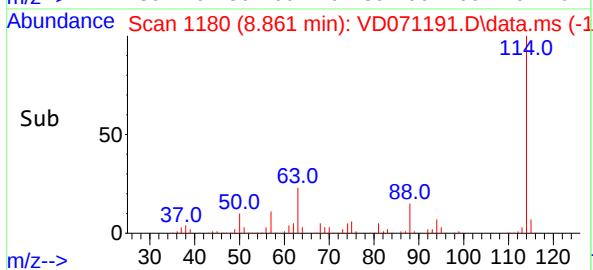
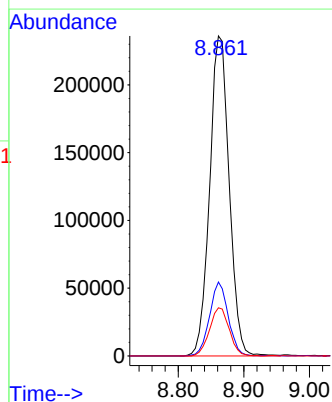
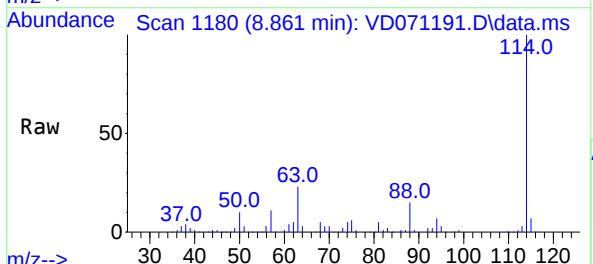


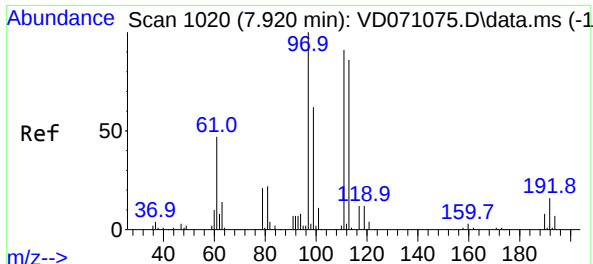
Tgt Ion: 65 Resp: 146907
Ion Ratio Lower Upper
65 100
67 50.5 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

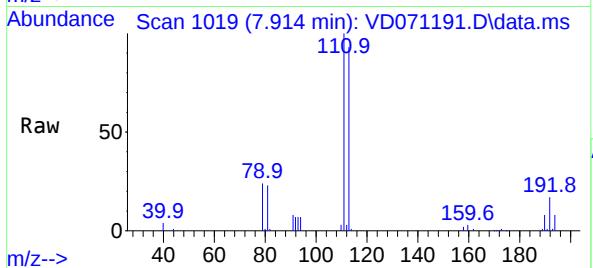
Tgt Ion: 114 Resp: 488212
Ion Ratio Lower Upper
114 100
63 23.1 0.0 41.8
88 15.0 0.0 32.8



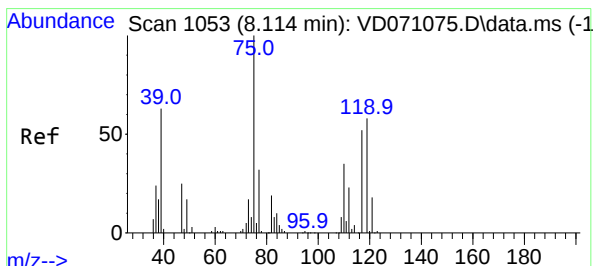
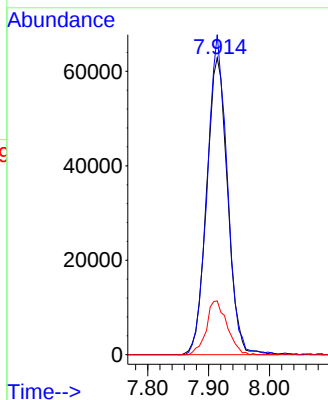
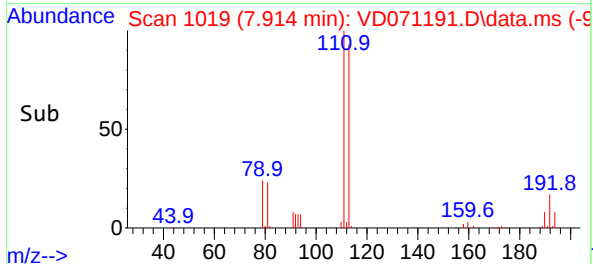


#35
Dibromofluoromethane
Concen: 48.53 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

Instrument :
MSVOA_D
ClientSampleId :

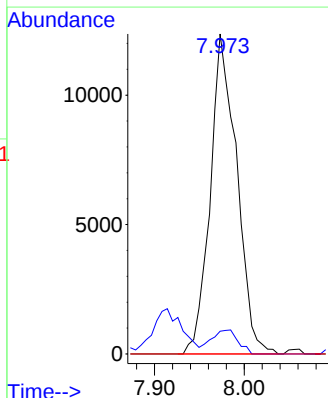
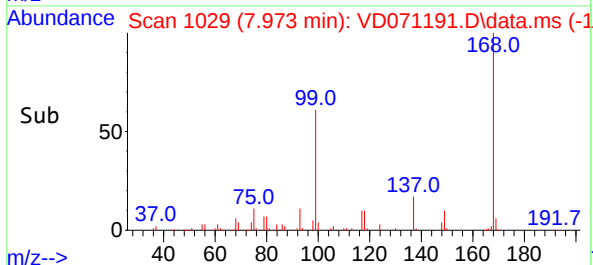
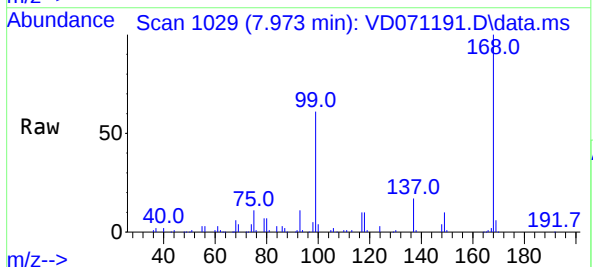


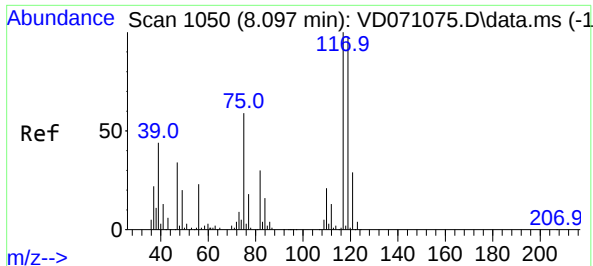
Tgt Ion:113 Resp: 150875
Ion Ratio Lower Upper
113 100
111 102.1 82.0 123.0
192 17.9 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.56 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

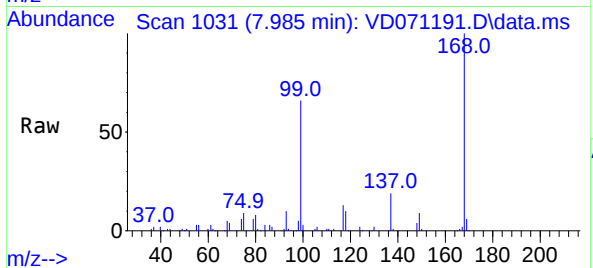
Tgt Ion: 75 Resp: 25380
Ion Ratio Lower Upper
75 100
110 7.6 17.8 53.4#
77 0.0 24.8 37.2#



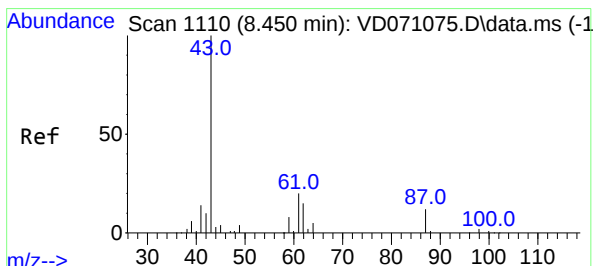
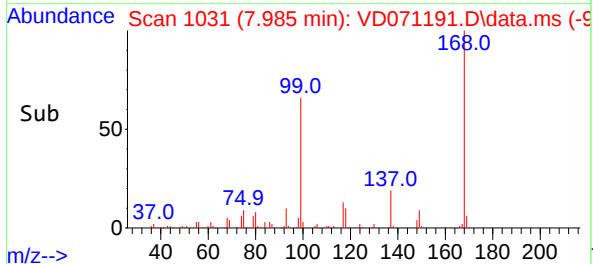
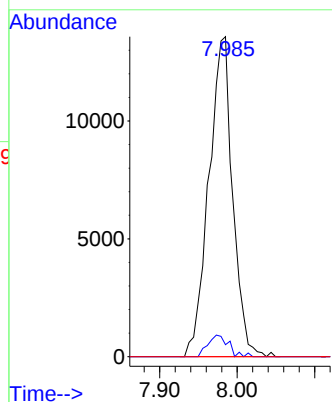


#38
Carbon Tetrachloride
Concen: 6.45 ug/l
RT: 7.985 min Scan# 1107
Delta R.T. -0.112 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

Instrument :
MSVOA_D
ClientSampleId :

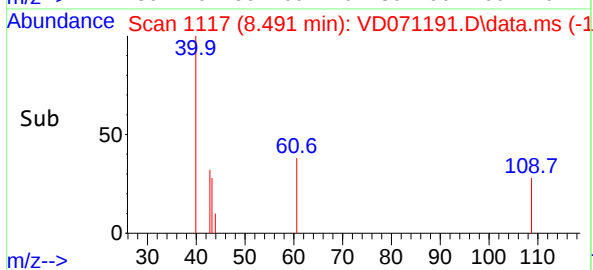
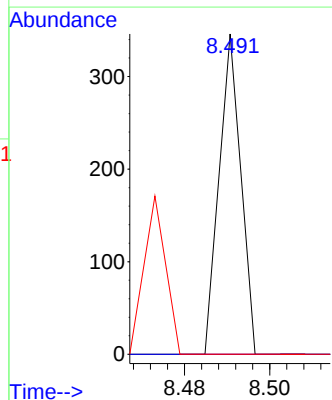
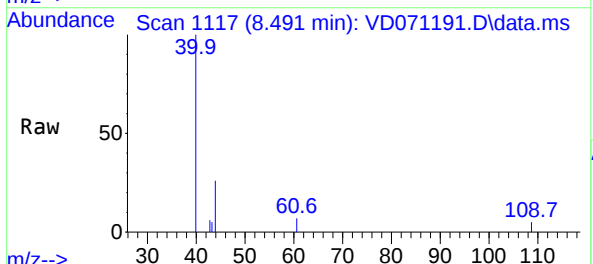


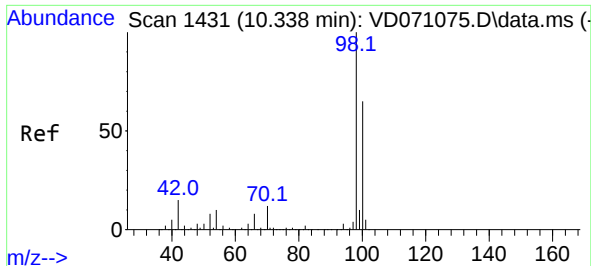
Tgt Ion:117 Resp: 29021
Ion Ratio Lower Upper
117 100
119 3.8 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.25 ug/l
RT: 8.491 min Scan# 1117
Delta R.T. 0.041 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

Tgt Ion: 43 Resp: 122
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 49.2 10.7 16.1#

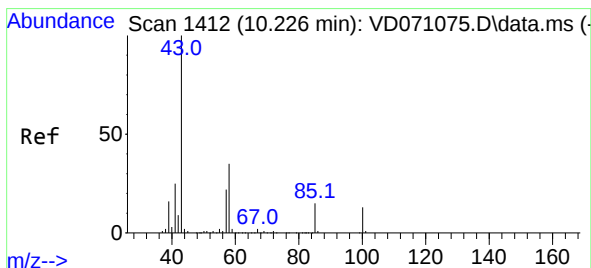
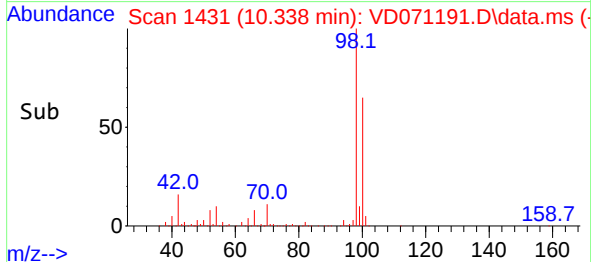
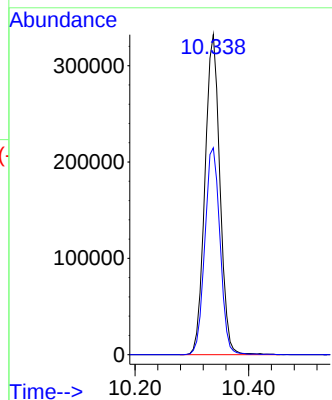
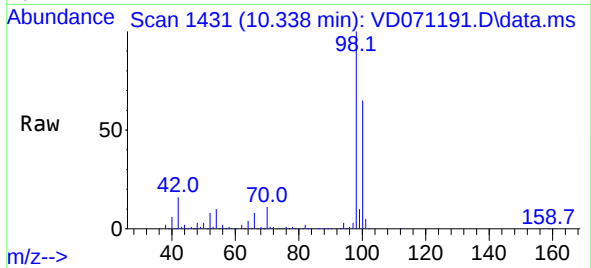




#50
Toluene-d8
Concen: 51.19 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

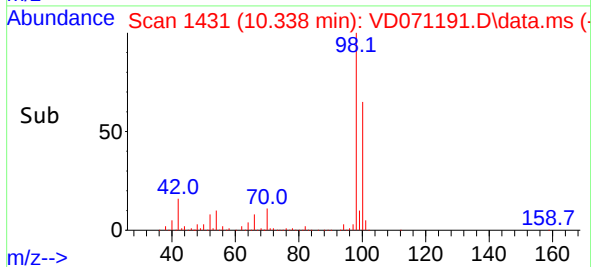
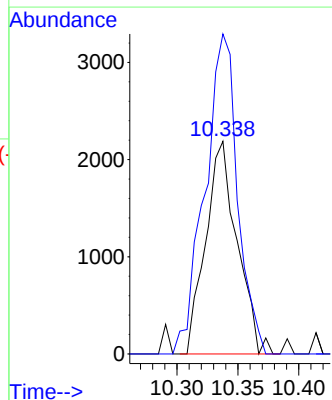
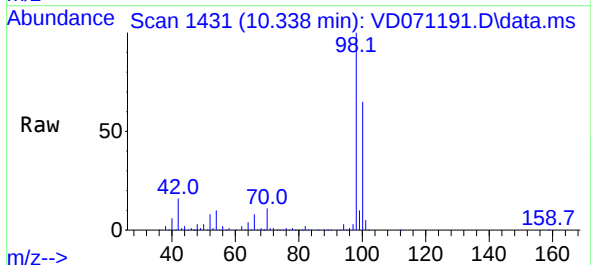
Instrument :
MSVOA_D
ClientSampleId :

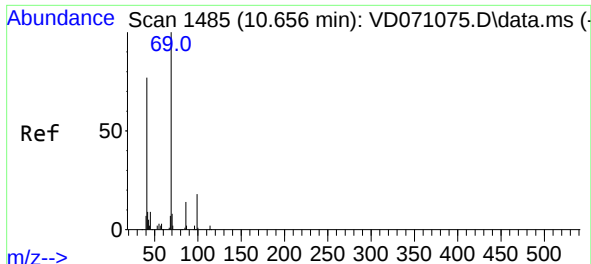
Tgt Ion: 98 Resp: 605609
Ion Ratio Lower Upper
98 100
100 65.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 32.20 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. 0.112 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

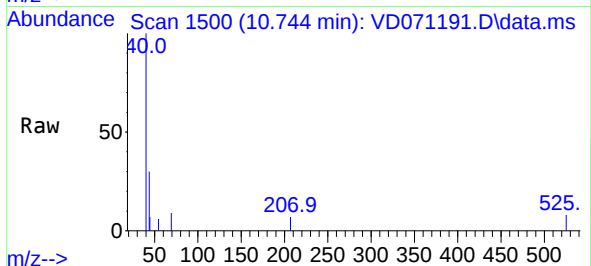
Tgt Ion: 43 Resp: 3922
Ion Ratio Lower Upper
43 100
58 156.9 33.1 49.7#



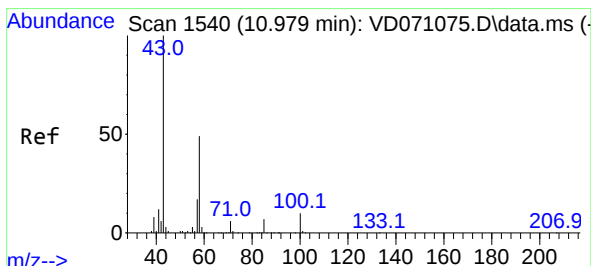
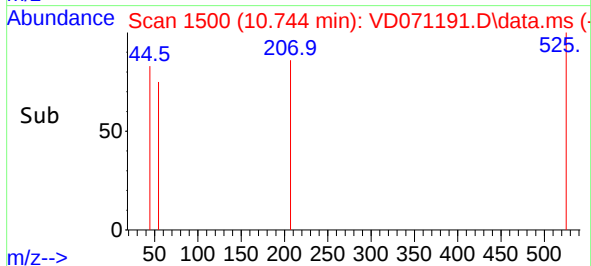
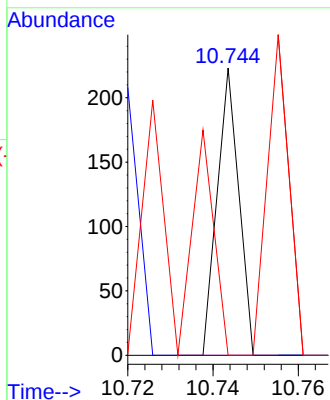


#56
Ethyl methacrylate
Concen: 5.99 ug/l
RT: 10.744 min Scan# 11
Delta R.T. 0.088 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

Instrument :
MSVOA_D
ClientSampleId :

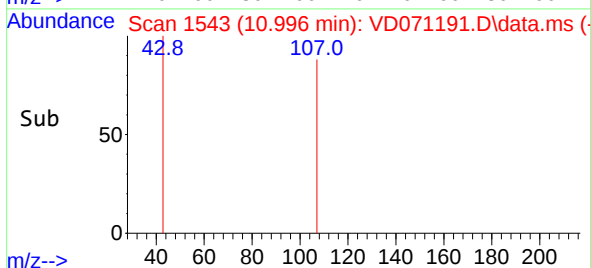
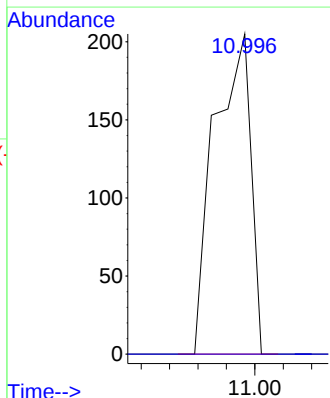
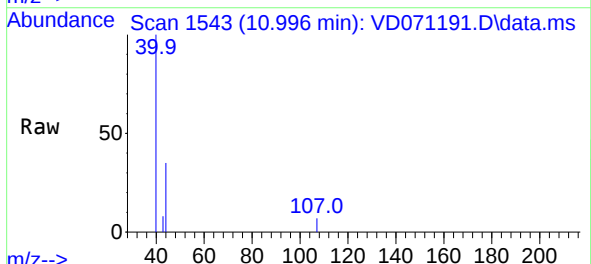


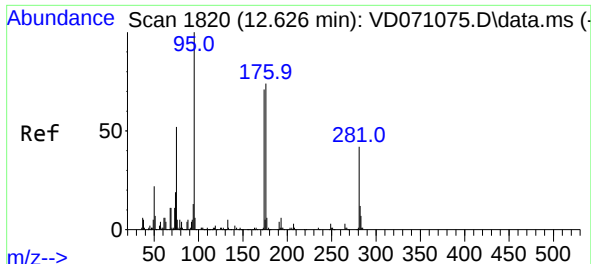
Tgt Ion: 69 Resp: 79
Ion Ratio Lower Upper
69 100
41 0.0 50.2 75.2#
39 111.4 19.8 29.8#



#59
2-Hexanone
Concen: 34.67 ug/l
RT: 10.996 min Scan# 1543
Delta R.T. 0.017 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

Tgt Ion: 43 Resp: 182
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

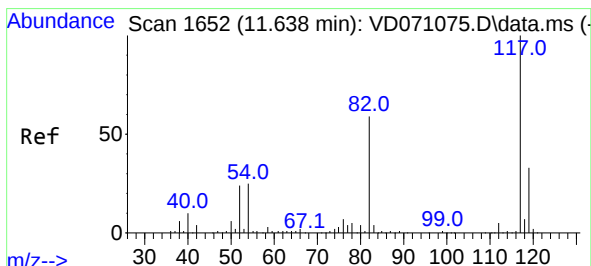
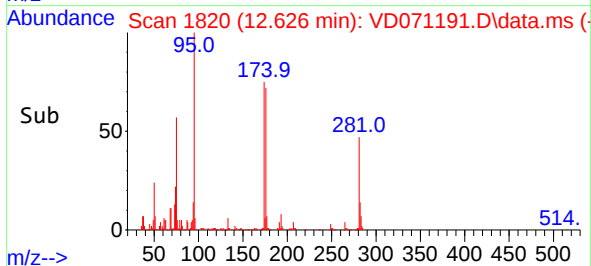
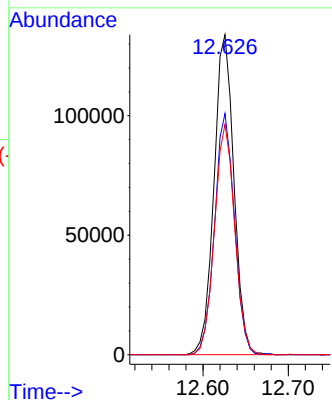
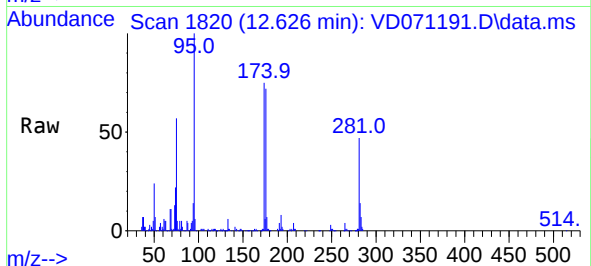




#62
4-Bromofluorobenzene
Concen: 52.99 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

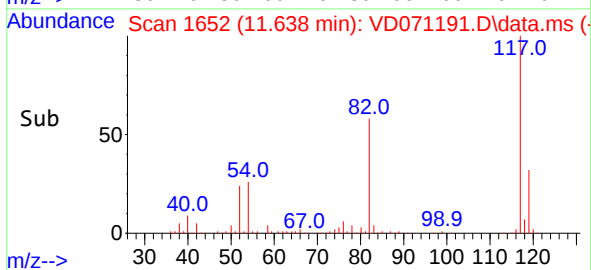
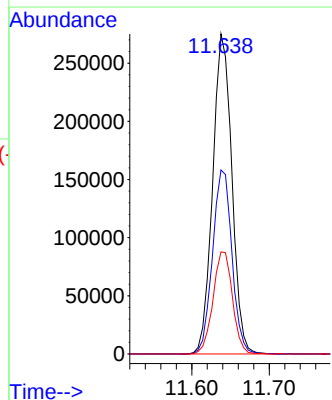
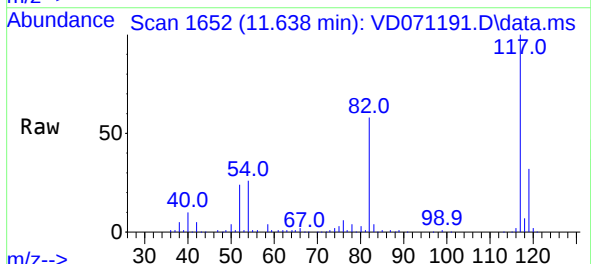
Instrument :
MSVOA_D
ClientSampleId :

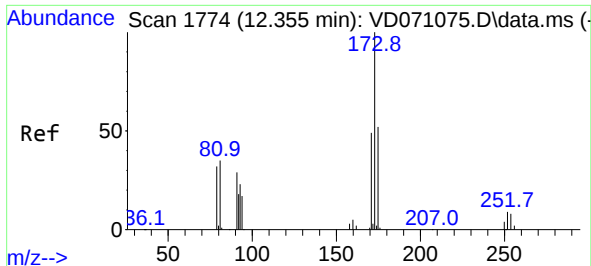
Tgt Ion: 95 Resp: 217302
Ion Ratio Lower Upper
95 100
174 75.2 0.0 159.4
176 72.9 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

Tgt Ion: 117 Resp: 472753
Ion Ratio Lower Upper
117 100
82 57.5 44.7 67.1
119 31.9 26.2 39.4

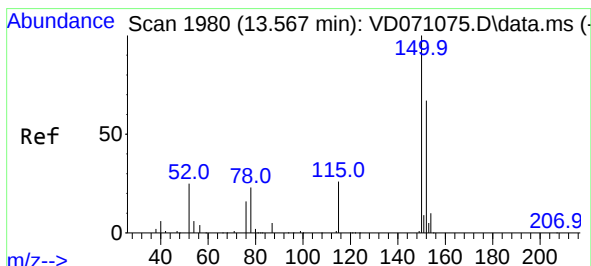
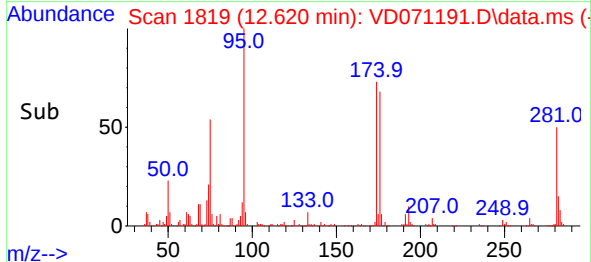
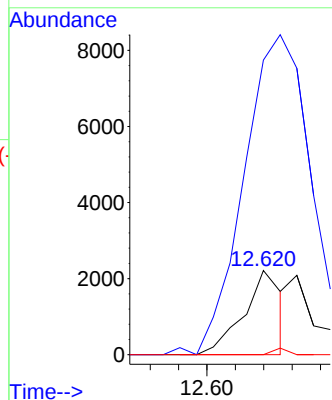
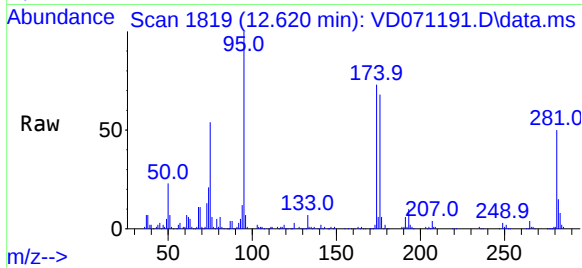




#71
Bromoform
Concen: 1.24 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.265 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

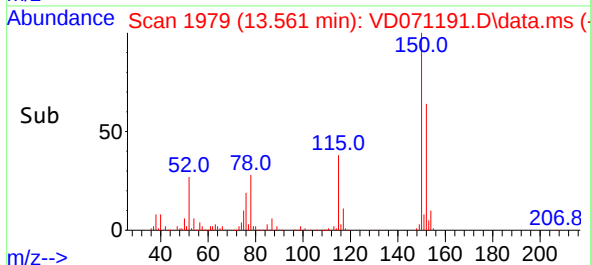
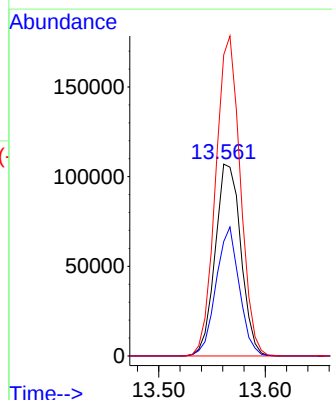
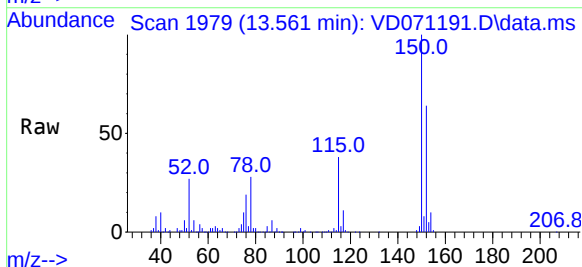
Instrument :
MSVOA_D
ClientSampleId :

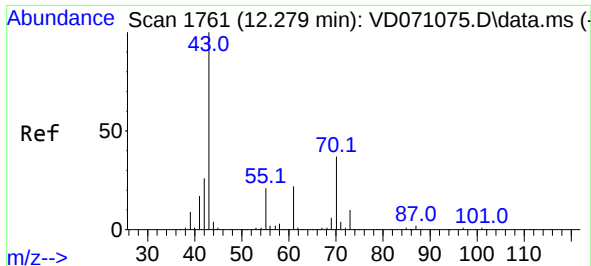
Tgt Ion:173 Resp: 2063
Ion Ratio Lower Upper
173 100
175 555.6 24.1 72.2#
254 2.9 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

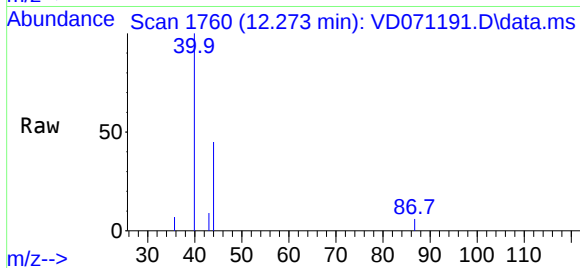
Tgt Ion:152 Resp: 178783
Ion Ratio Lower Upper
152 100
115 61.2 29.8 89.3
150 160.2 0.0 349.2



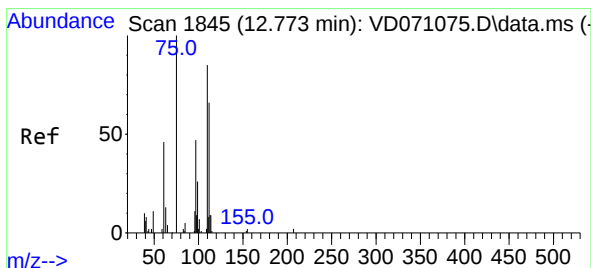
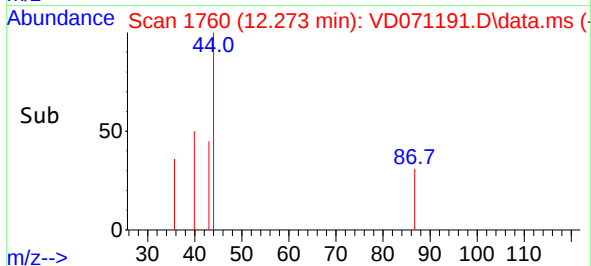
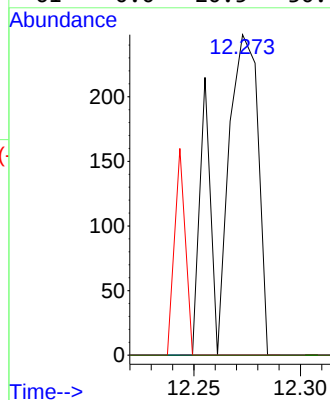


#74
N-amy1 acetate
Concen: 5.78 ug/l
RT: 12.273 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

Instrument :
MSVOA_D
ClientSampleId :

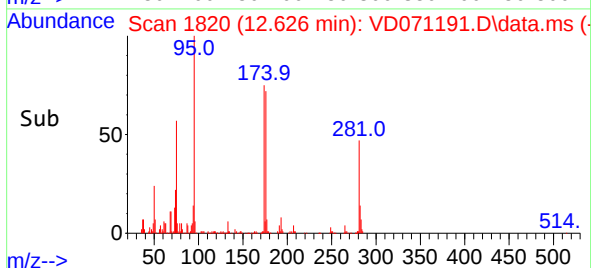
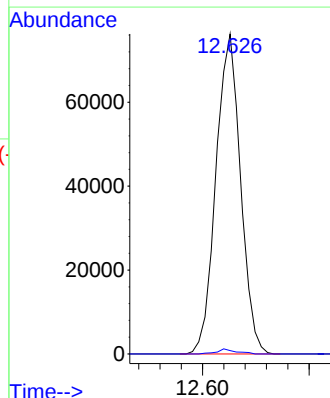
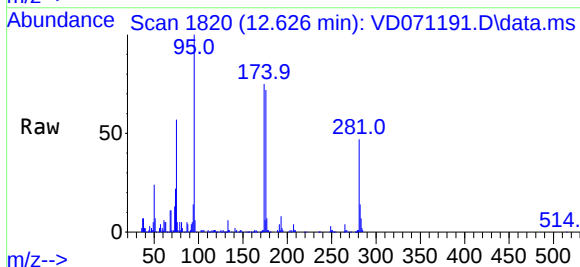


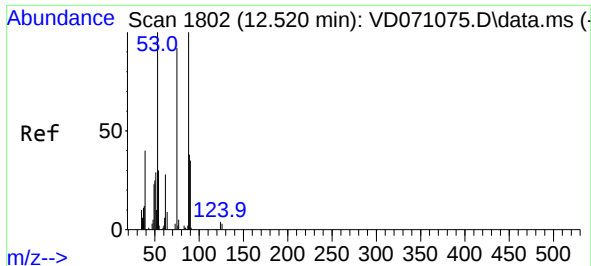
Tgt Ion: 43 Resp: 307
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 71.71 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

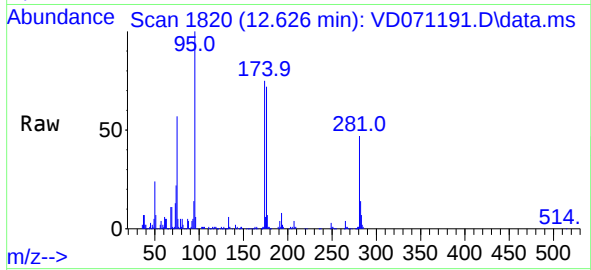
Tgt Ion: 75 Resp: 122147
Ion Ratio Lower Upper
75 100
77 1.2 158.4 475.3#





#81
trans-1,4-Dichloro-2-butene
Concen: 154.13 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD071191.D
Acq: 07 Dec 2021 18:51

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 75 Resp: 122147
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.5 34.5 51.7#

