

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120421\
 Data File : VD071159.D
 Acq On : 04 Dec 2021 22:28
 Operator : VA/SY
 Sample : M4909-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 06 04:34:59 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)

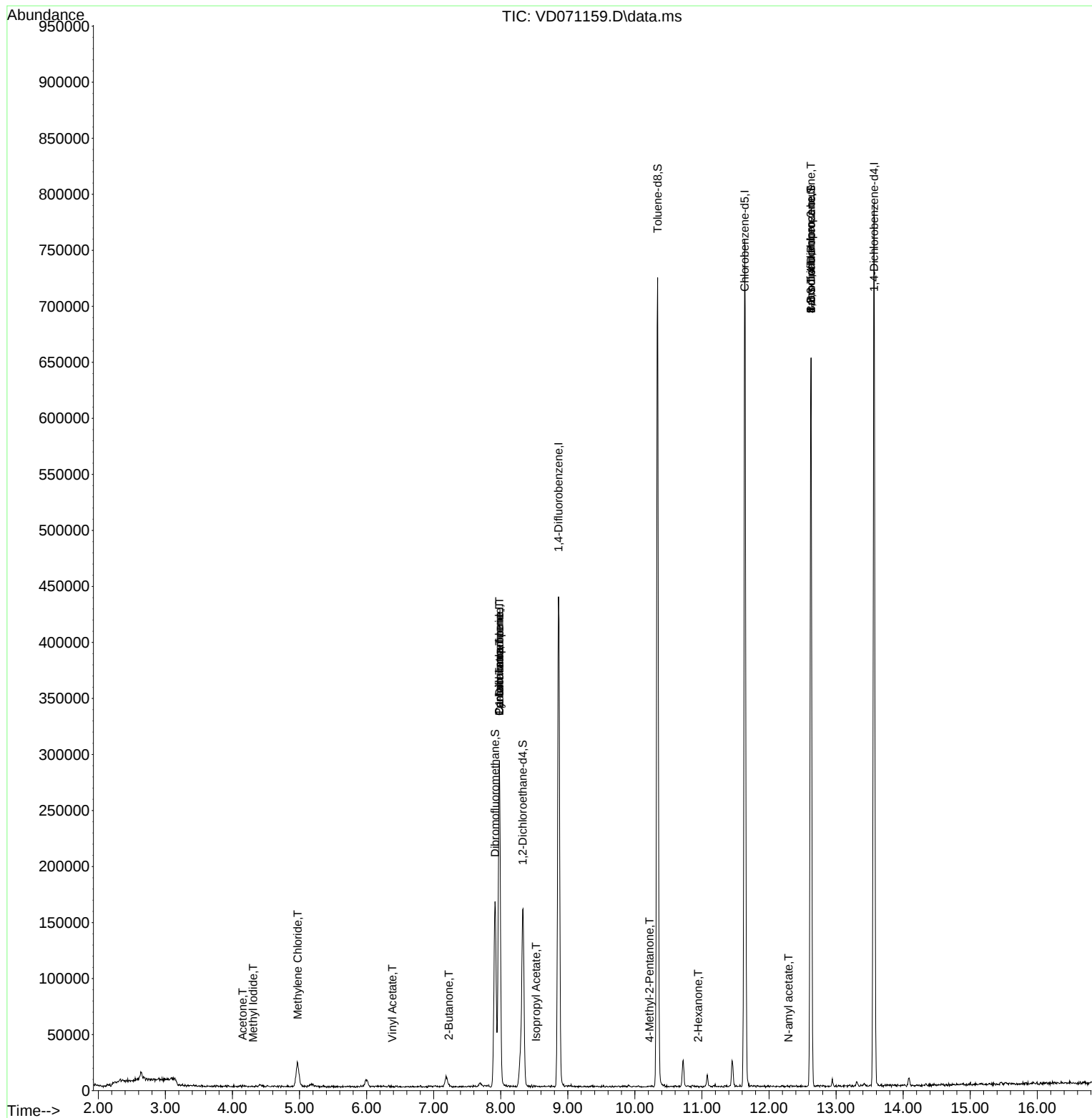
Internal Standards						
1) Pentafluorobenzene	7.979	168	201715	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	358174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	395392	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	190650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	126382	53.396	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.800%	
35) Dibromofluoromethane	7.914	113	115823	50.781	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.560%	
50) Toluene-d8	10.338	98	467546	53.867	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.740%	
62) 4-Bromofluorobenzene	12.626	95	190359	63.270	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 126.540%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	53	4.581	ug/l #	40
11) Tert butyl alcohol	5.197	59	1085	Below Cal	#	71
16) Acetone	4.150	43	1359	32.692	ug/l #	40
20) Methylene Chloride	4.973	84	14050	1.862	ug/l	90
23) Vinyl Acetate	6.385	43	58	27.232	ug/l #	72
25) 2-Butanone	7.226	43	240	28.652	ug/l #	45
31) Cyclohexane	7.979	56	5757	1.430	ug/l #	1
36) 1,1-Dichloropropene	7.979	75	19122	5.712	ug/l #	49
38) Carbon Tetrachloride	7.979	117	21961	6.655	ug/l #	17
41) Methacrylonitrile	7.532	41	60	Below Cal	#	1
43) Isopropyl Acetate	8.526	43	76	5.244	ug/l #	47
51) 4-Methyl-2-Pentanone	10.220	43	462	30.900	ug/l #	34
59) 2-Hexanone	10.944	43	65	34.620	ug/l #	22
71) Bromoform	12.626	173	2206	1.590	ug/l #	1
74) N-amyl acetate	12.291	43	55	5.714	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	108495	59.730	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	108495	129.345	ug/l #	18

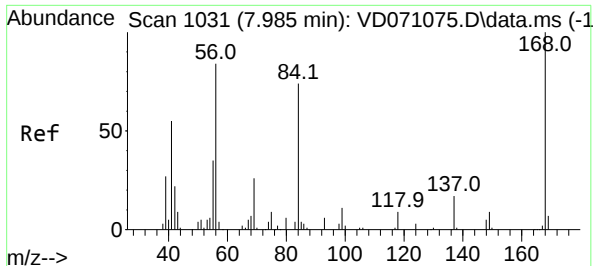
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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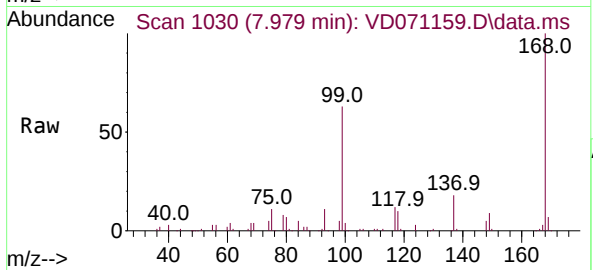
Quant Time: Dec 06 04:34:59 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
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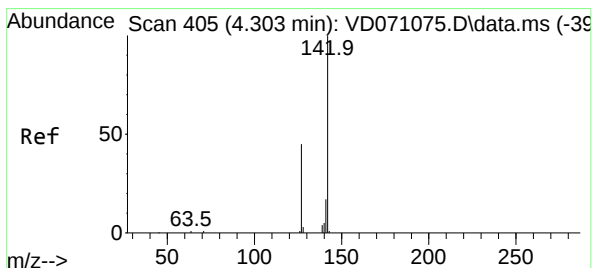
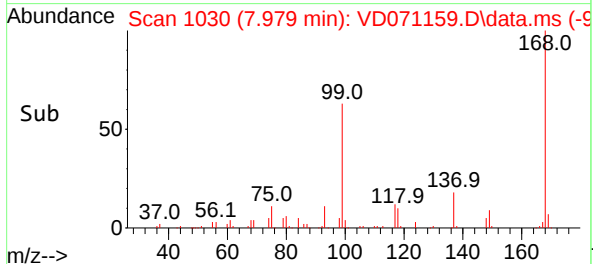
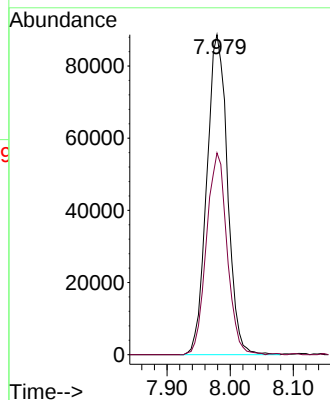


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071159.D
Acq: 04 Dec 2021 22:28

Instrument :
MSVOA_D
ClientSampleId :

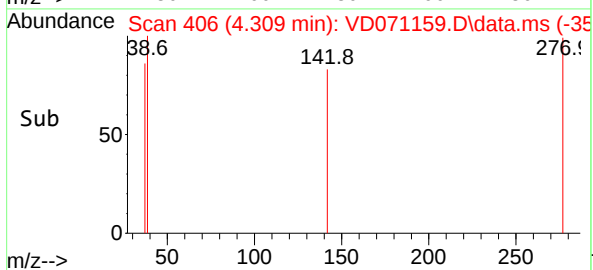
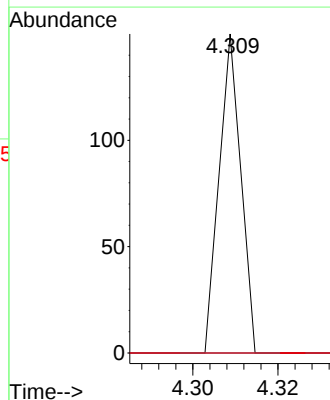
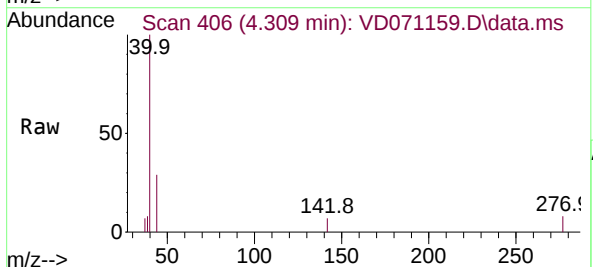


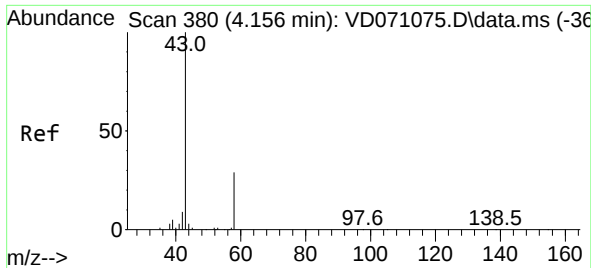
Tgt Ion:168 Resp: 201715
Ion Ratio Lower Upper
168 100
99 63.1 46.6 69.8



#10
Methyl Iodide
Concen: 4.581 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD071159.D
Acq: 04 Dec 2021 22:28

Tgt Ion:142 Resp: 53
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

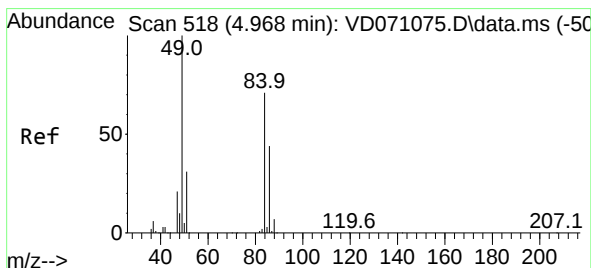
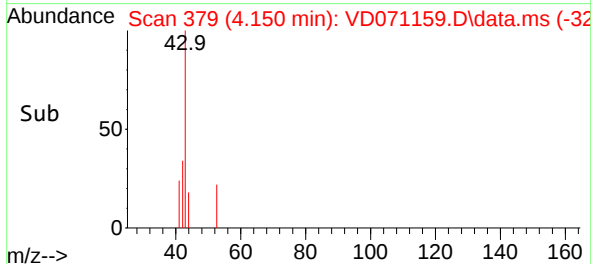
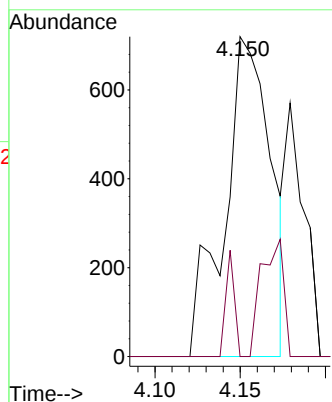
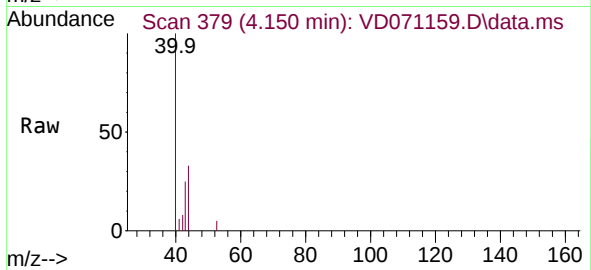




#16
Acetone
Concen: 32.692 ug/l
RT: 4.150 min Scan# 319
Delta R.T. -0.006 min
Lab File: VD071159.D
Acq: 04 Dec 2021 22:28

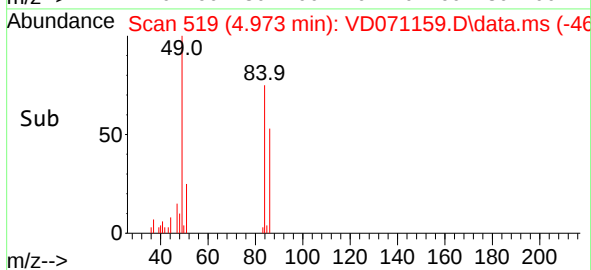
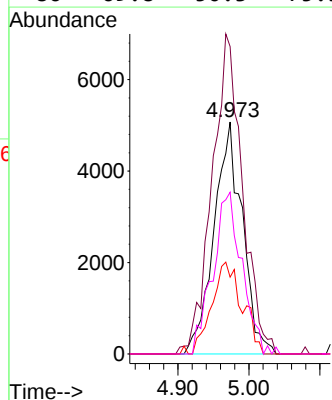
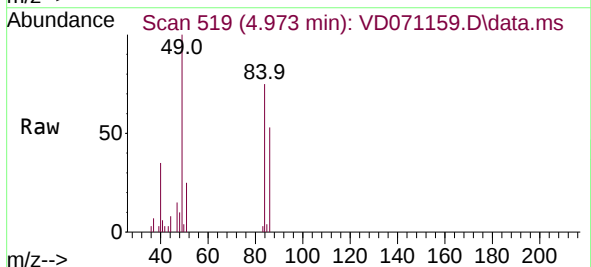
Instrument :
MSVOA_D
ClientSampleId :

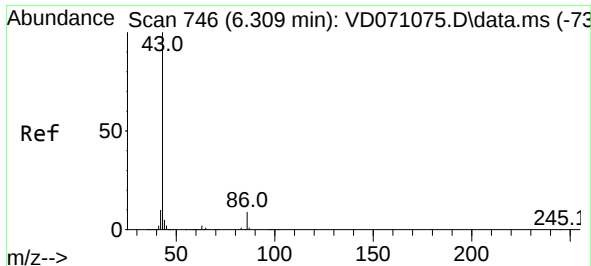
Tgt Ion: 43 Resp: 1359
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: 1.862 ug/l
RT: 4.973 min Scan# 519
Delta R.T. 0.005 min
Lab File: VD071159.D
Acq: 04 Dec 2021 22:28

Tgt Ion: 84 Resp: 14050
Ion Ratio Lower Upper
84 100
49 132.5 95.8 143.6
51 33.1 30.9 46.3
86 69.8 50.3 75.5

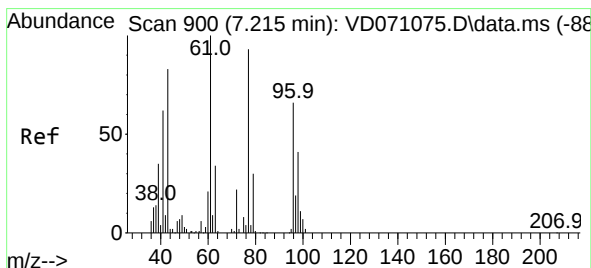
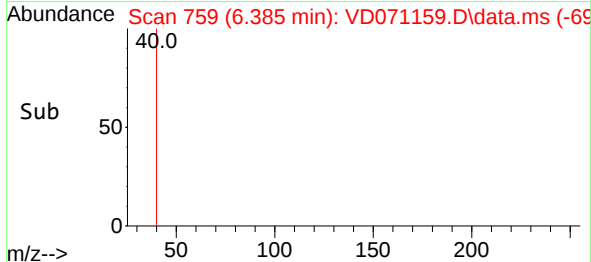
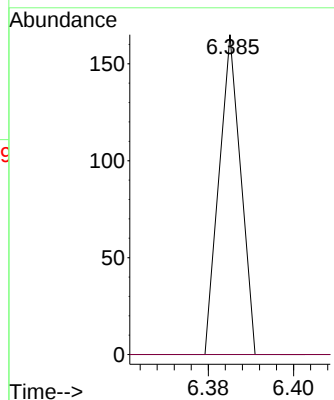
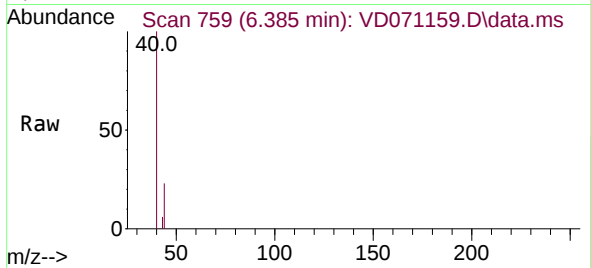




#23
 Vinyl Acetate
 Concen: 27.232 ug/l
 RT: 6.385 min Scan# 71
 Delta R.T. 0.076 min
 Lab File: VD071159.D
 Acq: 04 Dec 2021 22:28

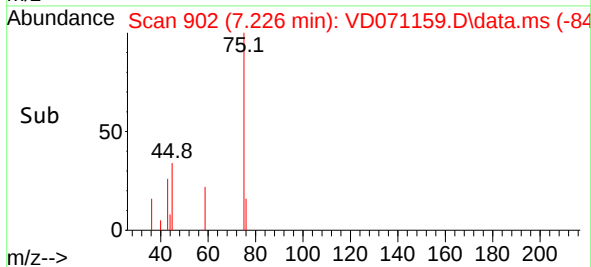
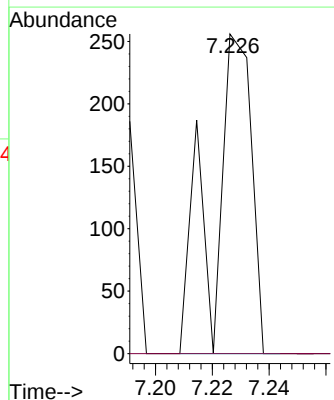
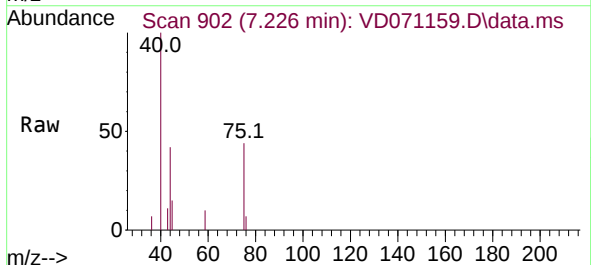
Instrument :
 MSVOA_D
 ClientSampleId :

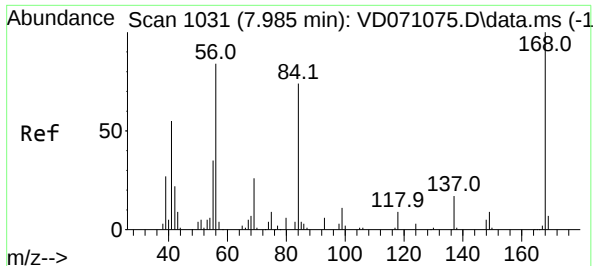
Tgt Ion: 43 Resp: 58
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 28.652 ug/l
 RT: 7.226 min Scan# 902
 Delta R.T. 0.011 min
 Lab File: VD071159.D
 Acq: 04 Dec 2021 22:28

Tgt Ion: 43 Resp: 240
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#





#31

Cyclohexane

Concen: 1.430 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071159.D

Acq: 04 Dec 2021 22:28

Instrument :

MSVOA_D

ClientSampleId :

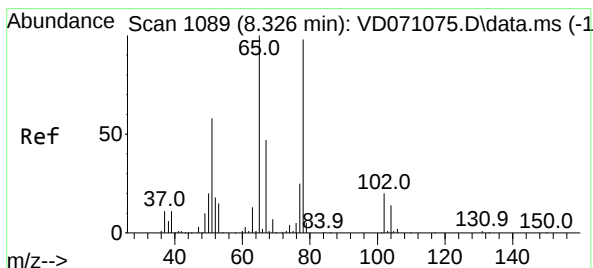
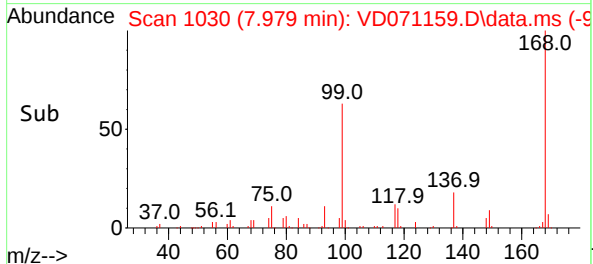
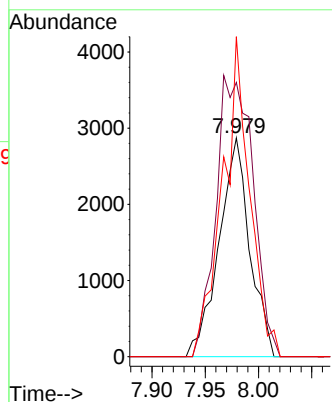
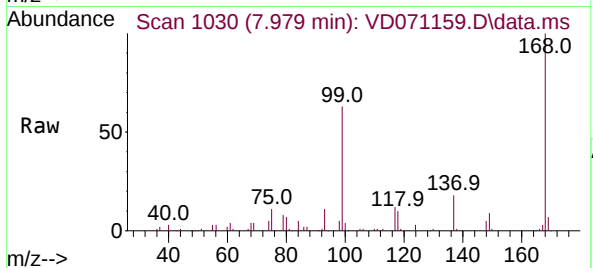
Tgt Ion: 56 Resp: 5757

Ion Ratio Lower Upper

56 100

69 125.3 25.9 38.9#

84 146.3 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 53.396 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. 0.000 min

Lab File: VD071159.D

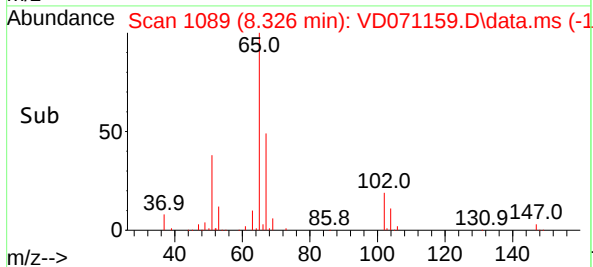
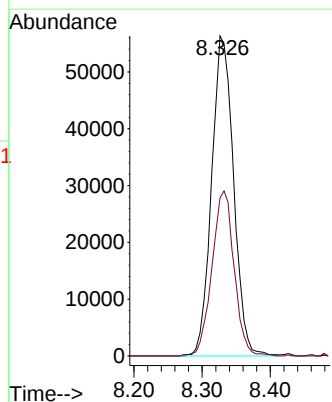
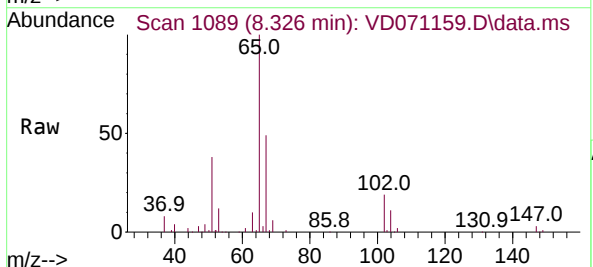
Acq: 04 Dec 2021 22:28

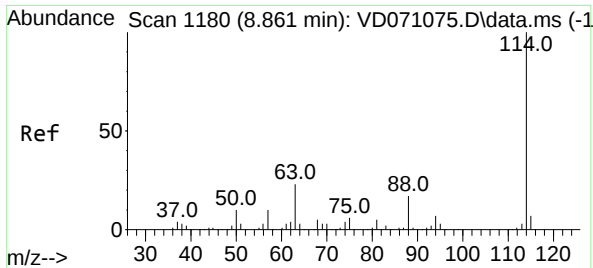
Tgt Ion: 65 Resp: 126382

Ion Ratio Lower Upper

65 100

67 52.0 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: VD071159.D

Acq: 04 Dec 2021 22:28

Instrument :

MSVOA_D

ClientSampleId :

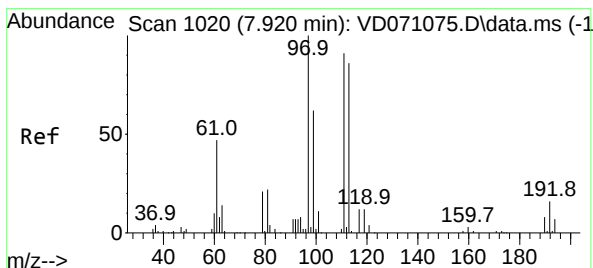
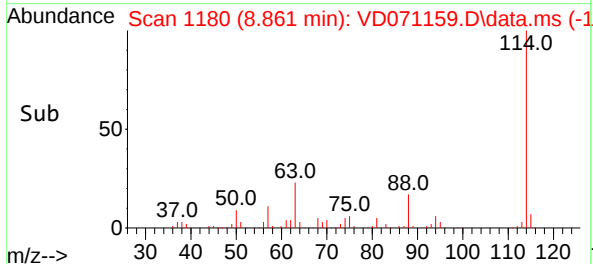
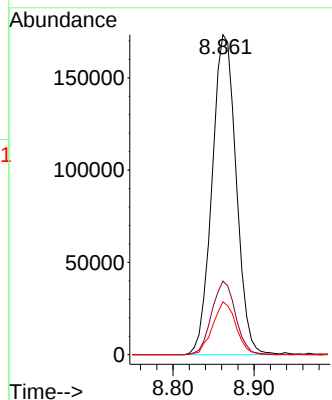
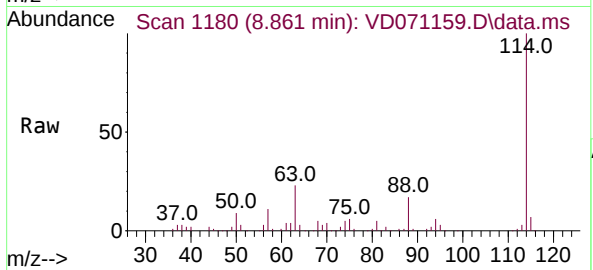
Tgt Ion:114 Resp: 358174

Ion Ratio Lower Upper

114 100

63 23.0 0.0 41.8

88 16.5 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.781 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071159.D

Acq: 04 Dec 2021 22:28

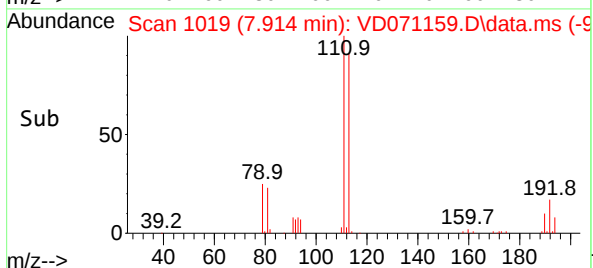
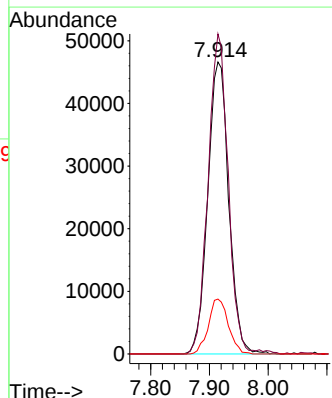
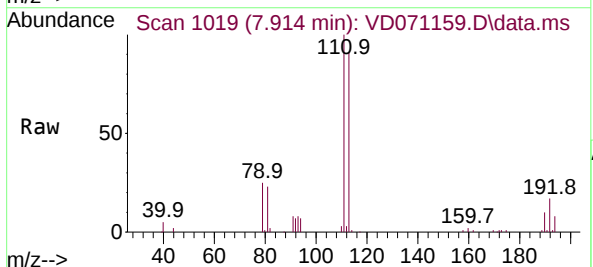
Tgt Ion:113 Resp: 115823

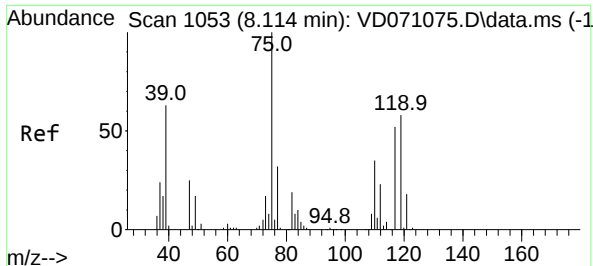
Ion Ratio Lower Upper

113 100

111 105.0 82.0 123.0

192 17.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.712 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.135 min

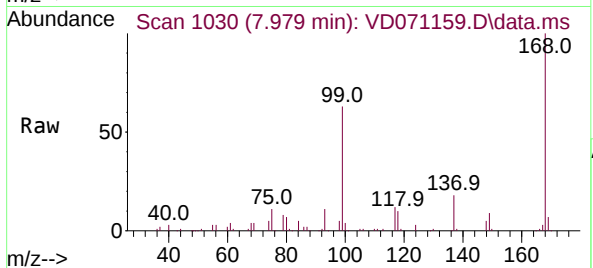
Lab File: VD071159.D

Acq: 04 Dec 2021 22:28

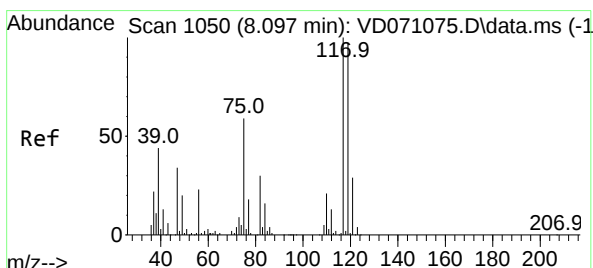
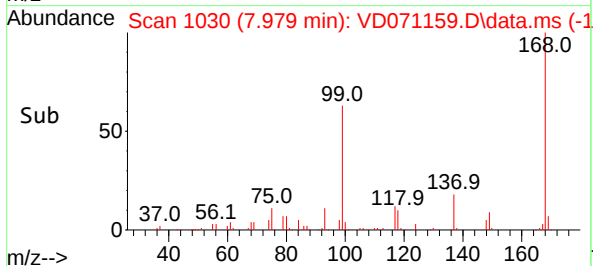
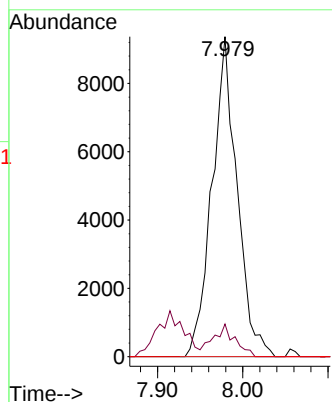
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75	Resp: 19122
Ion Ratio	Lower Upper
75	100
110	8.9 17.8 53.4#
77	0.0 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.655 ug/l

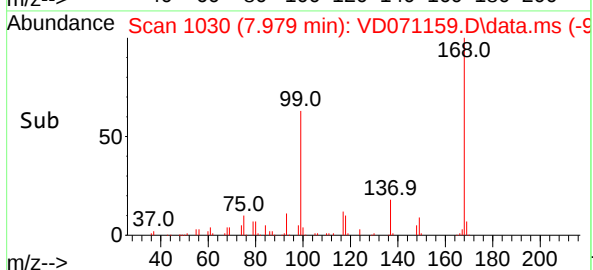
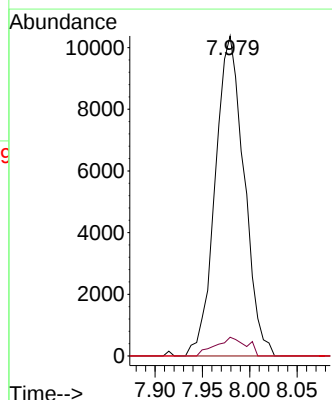
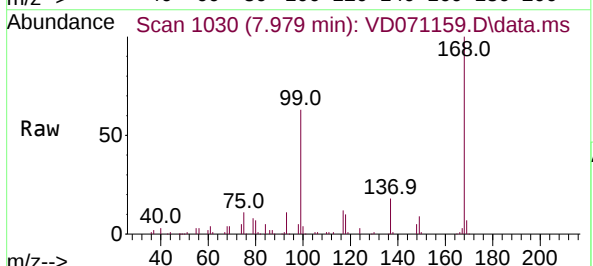
RT: 7.979 min Scan# 1030

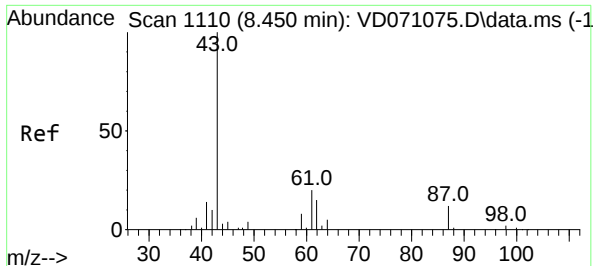
Delta R.T. -0.118 min

Lab File: VD071159.D

Acq: 04 Dec 2021 22:28

Tgt Ion: 117	Resp: 21961
Ion Ratio	Lower Upper
117	100
119	5.9 75.8 113.6#
121	0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.244 ug/l

RT: 8.526 min Scan# 1110

Delta R.T. 0.076 min

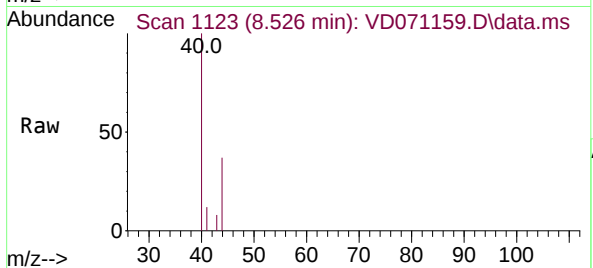
Lab File: VD071159.D

Acq: 04 Dec 2021 22:28

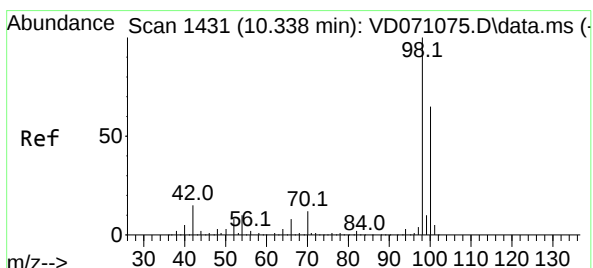
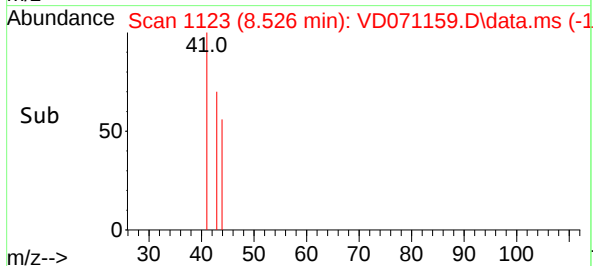
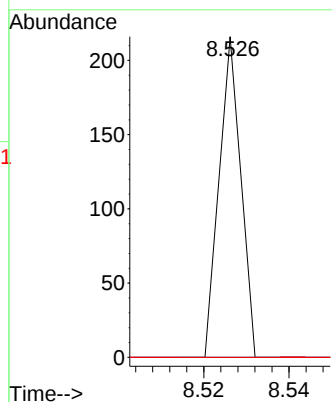
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 43	Resp: 76
Ion Ratio	Lower Upper
43	100
61	0.0 28.2 42.4#
87	0.0 10.7 16.1#



#50

Toluene-d8

Concen: 53.867 ug/l

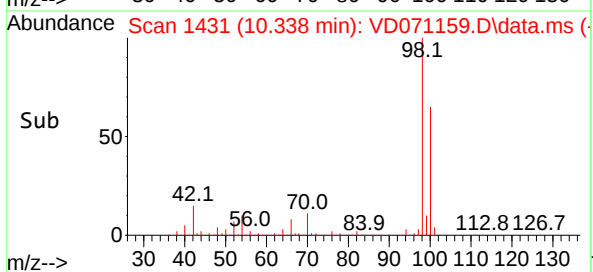
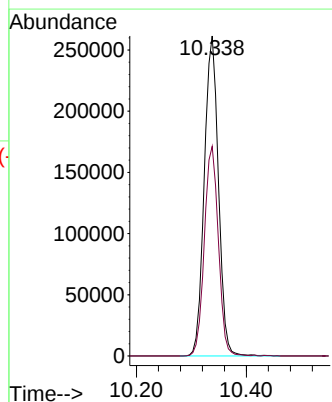
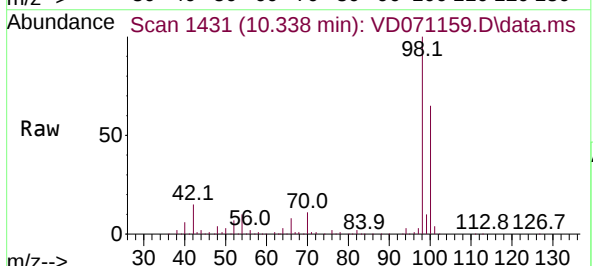
RT: 10.338 min Scan# 1431

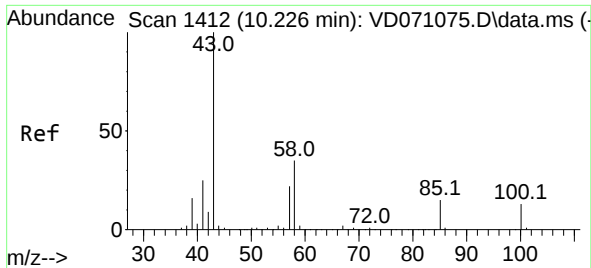
Delta R.T. -0.000 min

Lab File: VD071159.D

Acq: 04 Dec 2021 22:28

Tgt Ion: 98	Resp: 467546
Ion Ratio	Lower Upper
98	100
100	64.8 51.8 77.6

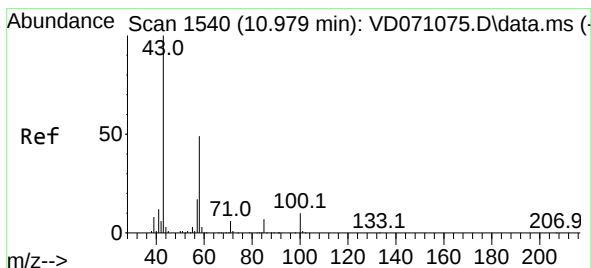
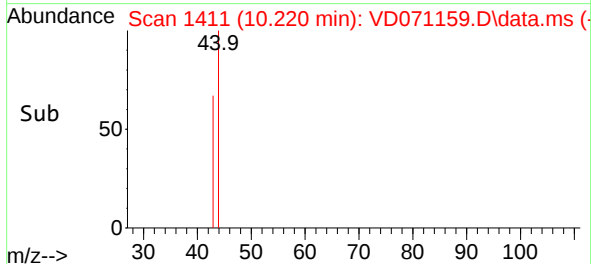
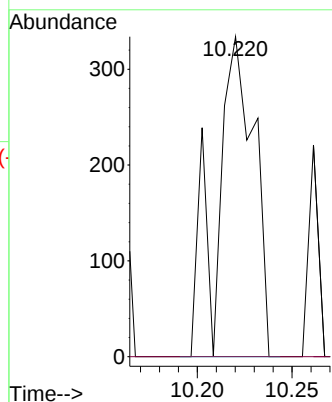
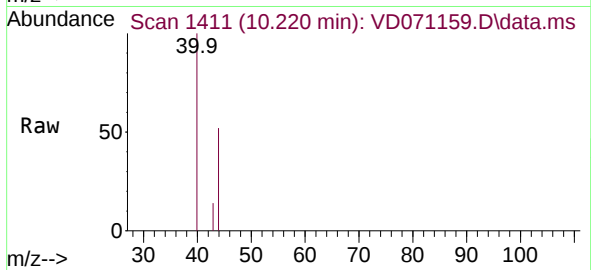




#51
4-Methyl-2-Pentanone
Concen: 30.900 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071159.D
Acq: 04 Dec 2021 22:28

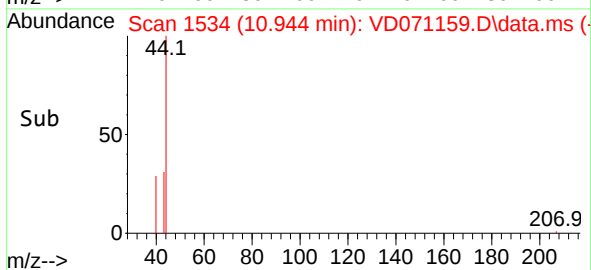
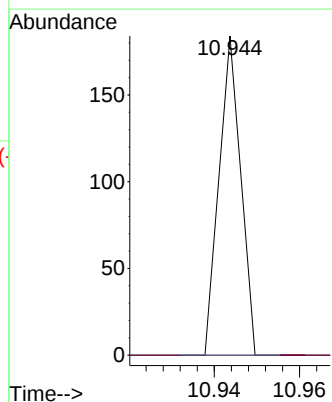
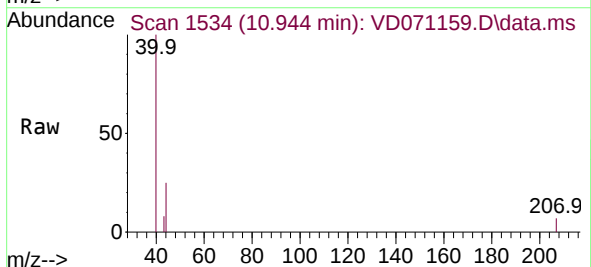
Instrument :
MSVOA_D
ClientSampleId :

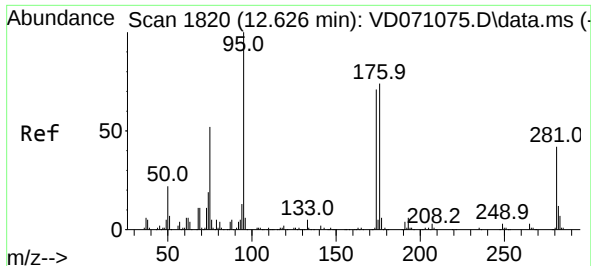
Tgt Ion: 43 Resp: 462
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 34.620 ug/l
RT: 10.944 min Scan# 1534
Delta R.T. -0.035 min
Lab File: VD071159.D
Acq: 04 Dec 2021 22:28

Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

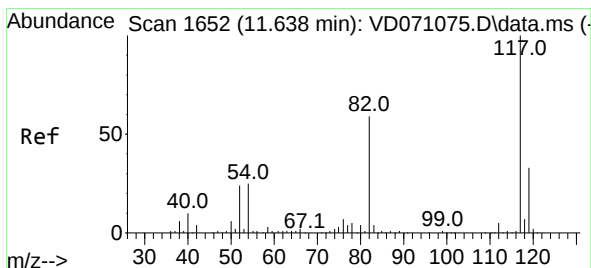
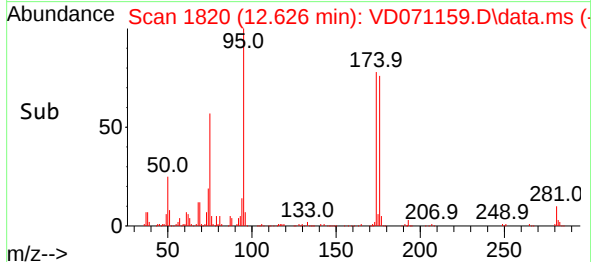
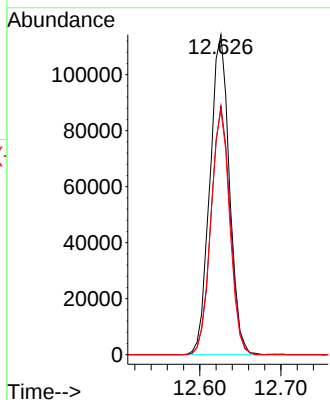
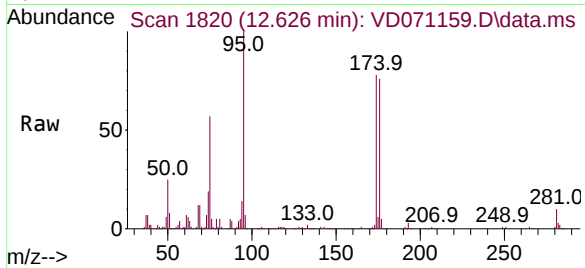




#62
4-Bromofluorobenzene
Concen: 63.270 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071159.D
Acq: 04 Dec 2021 22:28

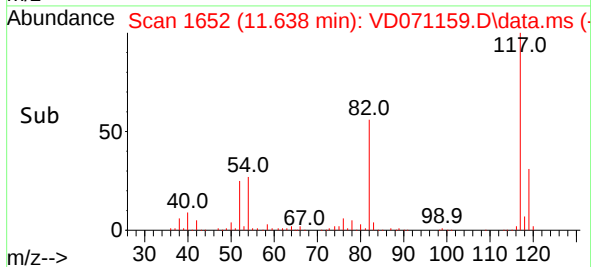
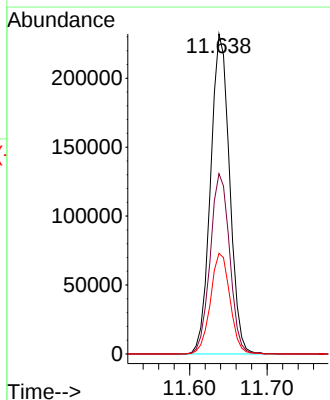
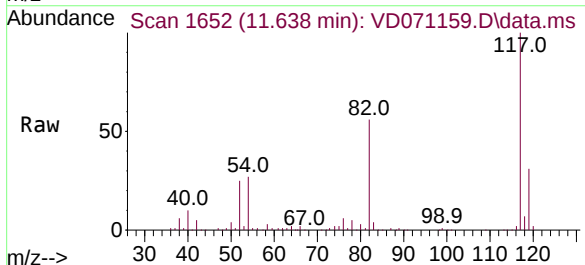
Instrument :
MSVOA_D
ClientSampleId :

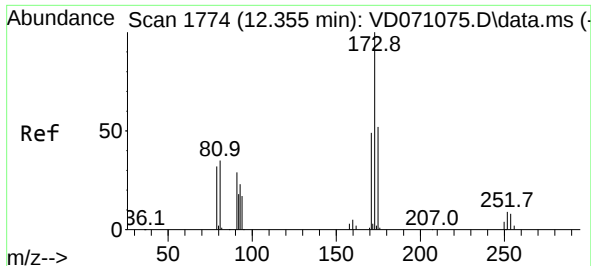
Tgt Ion: 95 Resp: 190359
Ion Ratio Lower Upper
95 100
174 76.3 0.0 159.4
176 74.4 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071159.D
Acq: 04 Dec 2021 22:28

Tgt Ion: 117 Resp: 395392
Ion Ratio Lower Upper
117 100
82 56.3 44.7 67.1
119 31.5 26.2 39.4

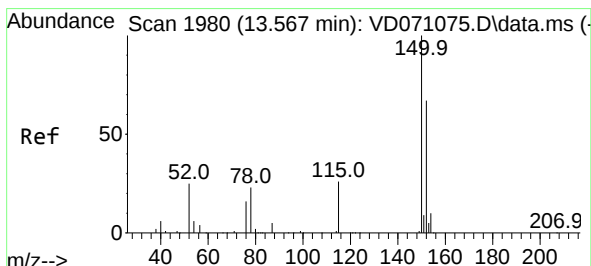
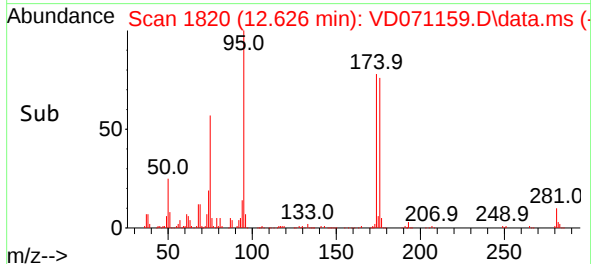
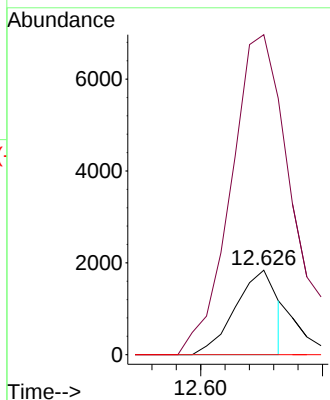
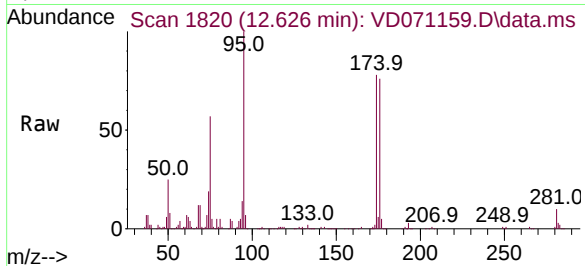




#71
Bromoform
Concen: 1.590 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.271 min
Lab File: VD071159.D
Acq: 04 Dec 2021 22:28

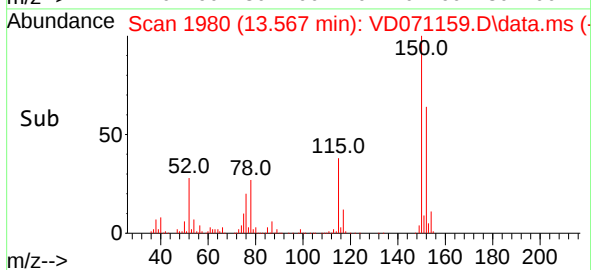
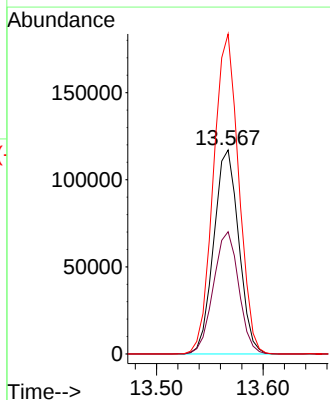
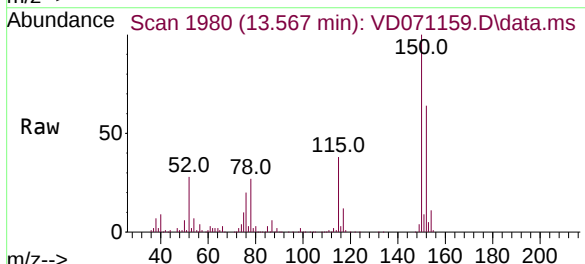
Instrument :
MSVOA_D
ClientSampleId :

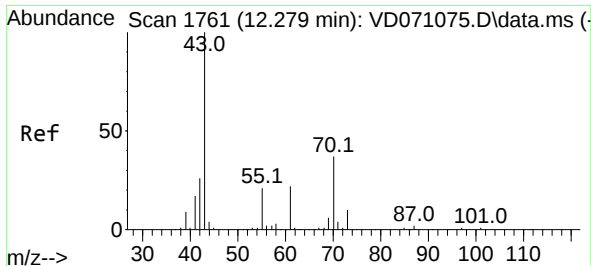
Tgt Ion:173 Resp: 2206
Ion Ratio Lower Upper
173 100
175 434.6 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071159.D
Acq: 04 Dec 2021 22:28

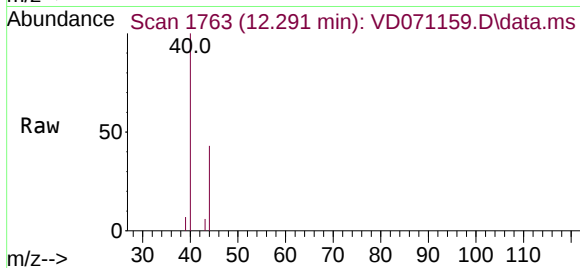
Tgt Ion:152 Resp: 190650
Ion Ratio Lower Upper
152 100
115 60.7 29.8 89.3
150 158.5 0.0 349.2



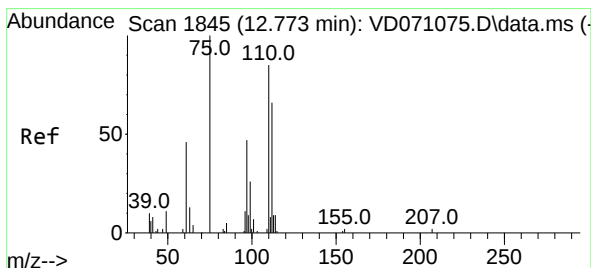
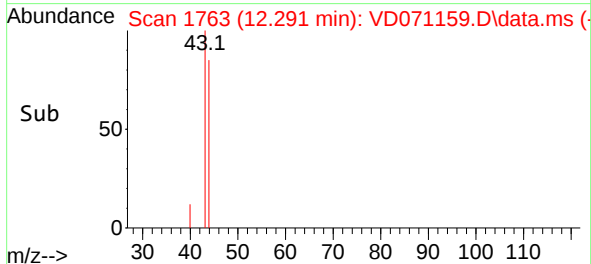
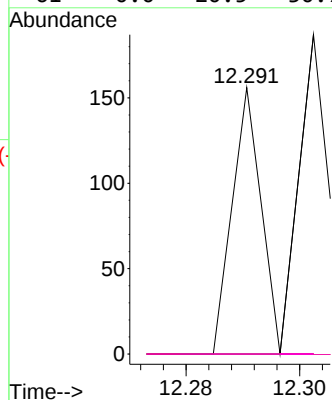


#74
N-amy1 acetate
Concen: 5.714 ug/l
RT: 12.291 min Scan# 11
Delta R.T. 0.012 min
Lab File: VD071159.D
Acq: 04 Dec 2021 22:28

Instrument :
MSVOA_D
ClientSampleId :

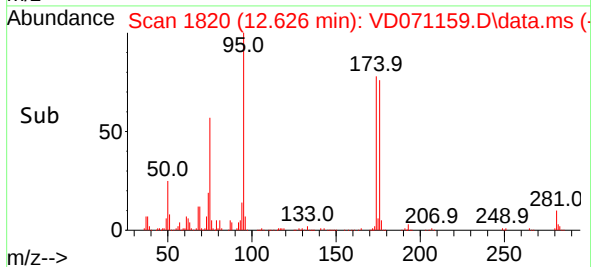
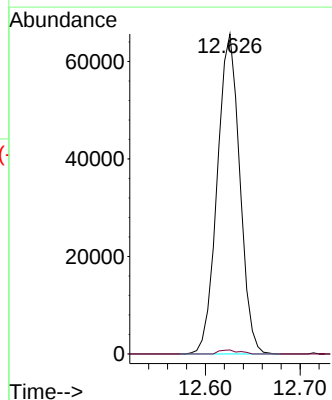
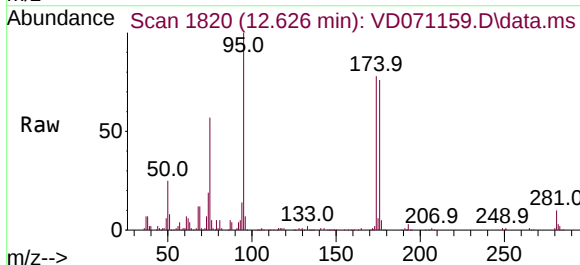


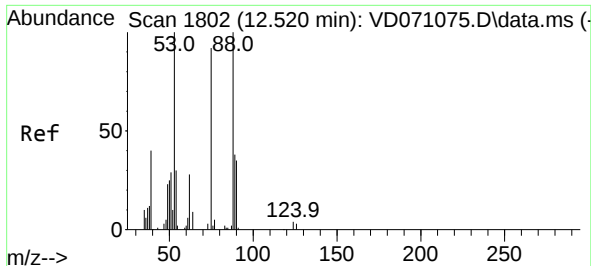
Tgt Ion: 43	Resp: 55
Ion Ratio	Lower Upper
43	100
70	0.0 36.6 55.0#
55	0.0 22.5 33.7#
61	0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 59.730 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071159.D
Acq: 04 Dec 2021 22:28

Tgt Ion: 75	Resp: 108495
Ion Ratio	Lower Upper
75	100
77	1.1 158.4 475.3#





#81

trans-1,4-Dichloro-2-butene

Concen: 129.345 ug/l

RT: 12.626 min Scan# 11

Delta R.T. 0.106 min

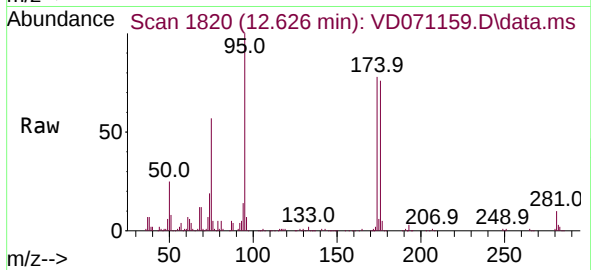
Lab File: VD071159.D

Acq: 04 Dec 2021 22:28

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion: 75 Resp: 108495

Ion Ratio Lower Upper

75 100

53 0.1 62.6 94.0#

89 0.0 34.5 51.7#

