

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD120121\
 Data File : VD071102.D
 Acq On : 01 Dec 2021 13:01
 Operator : VA/SY
 Sample : M4721-03
 Misc : 4.38G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SAMPLE-3

Quant Time: Dec 02 03:14:00 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)

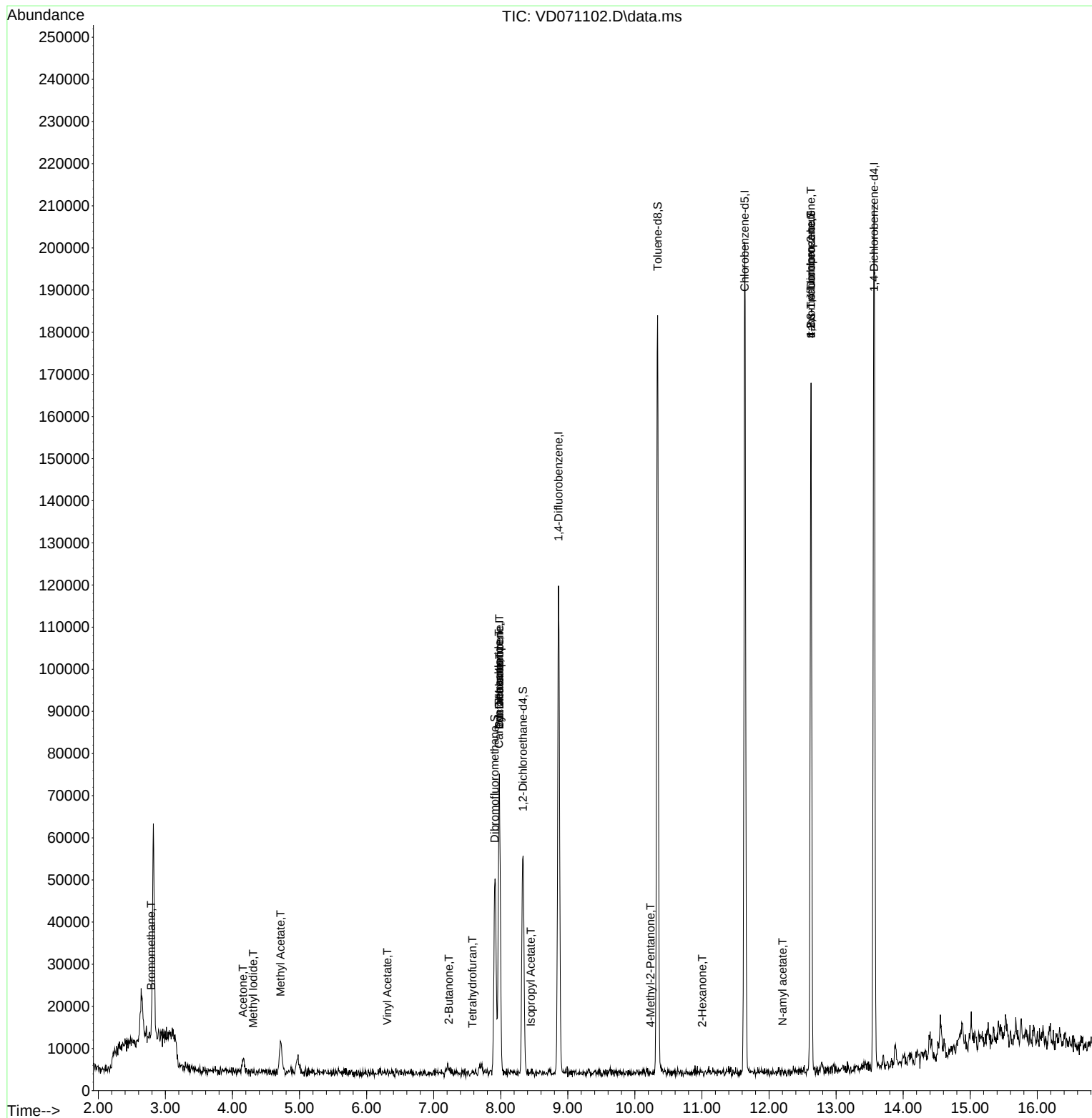
Internal Standards						
1) Pentafluorobenzene	7.979	168	48438	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	93060	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	104380	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	50398	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.332	65	42250	74.336	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 148.680%	
35) Dibromofluoromethane	7.909	113	33504	56.538	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.080%	
50) Toluene-d8	10.338	98	118476	52.536	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 105.080%	
62) 4-Bromofluorobenzene	12.626	95	50626	64.763	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 129.520%	
Target Compounds						
					Qvalue	
5) Bromomethane	2.785	94	665	1.513	ug/l #	52
10) Methyl Iodide	4.309	142	212	4.901	ug/l #	74
11) Tert butyl alcohol	5.203	59	213	Below Cal	#	71
16) Acetone	4.156	43	5502	62.761	ug/l #	67
18) Methyl Acetate	4.715	43	14599	34.813	ug/l #	87
23) Vinyl Acetate	6.309	43	69	27.285	ug/l #	72
25) 2-Butanone	7.226	43	2387	40.500	ug/l #	75
29) Tetrahydrofuran	7.579	42	263	2.914	ug/l #	34
31) Cyclohexane	7.979	56	1631	1.687	ug/l #	21
36) 1,1-Dichloropropene	7.979	75	5060	5.818	ug/l #	44
38) Carbon Tetrachloride	7.973	117	5263	6.139	ug/l #	12
41) Methacrylonitrile	7.526	41	55	Below Cal	#	12
43) Isopropyl Acetate	8.450	43	150	5.385	ug/l #	47
51) 4-Methyl-2-Pentanone	10.232	43	139	30.940	ug/l #	34
59) 2-Hexanone	11.003	43	82	34.795	ug/l #	22
74) N-amyl acetate	12.202	43	53	5.748	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	27276	56.805	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	27276	123.294	ug/l #	18

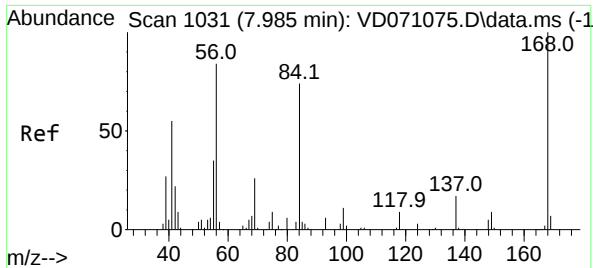
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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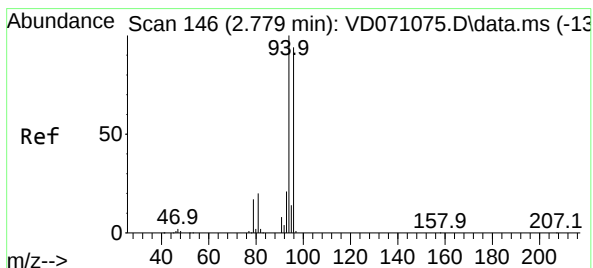
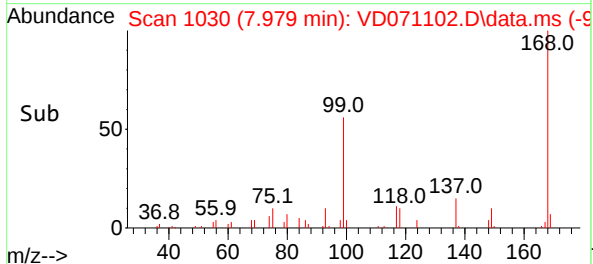
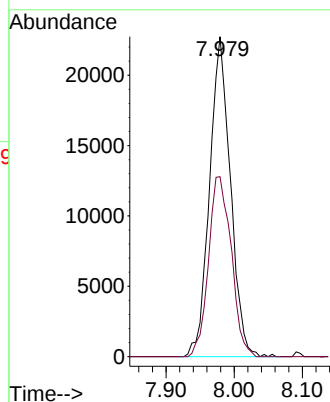
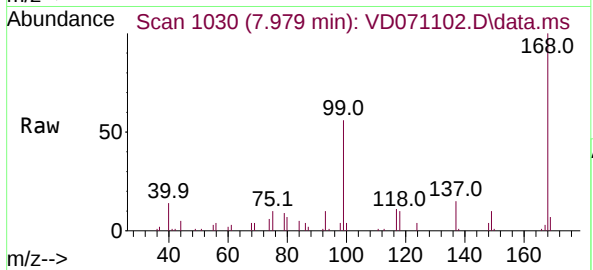




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

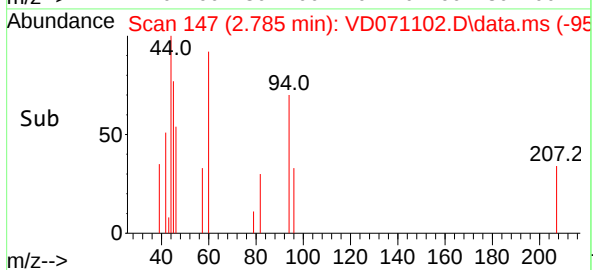
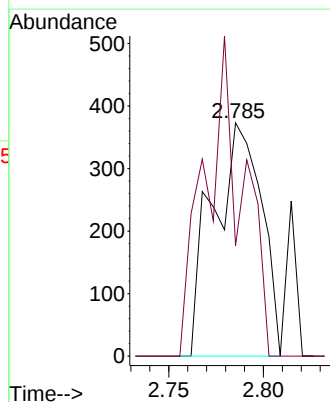
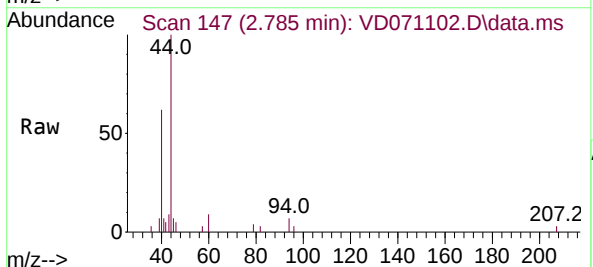
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

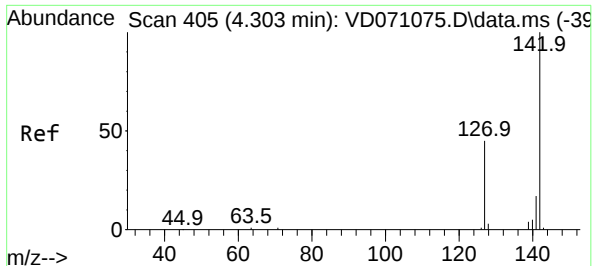
Tgt Ion:168 Resp: 48438
Ion Ratio Lower Upper
168 100
99 56.3 46.6 69.8



#5
Bromomethane
Concen: 1.513 ug/l
RT: 2.785 min Scan# 147
Delta R.T. 0.006 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

Tgt Ion: 94 Resp: 665
Ion Ratio Lower Upper
94 100
96 47.5 74.8 112.2#

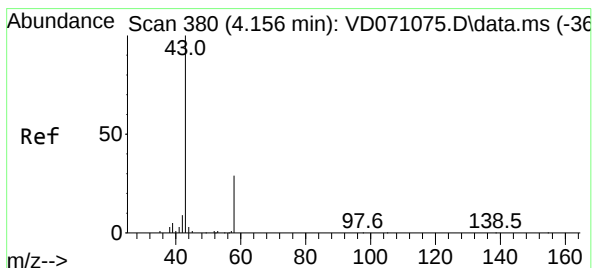
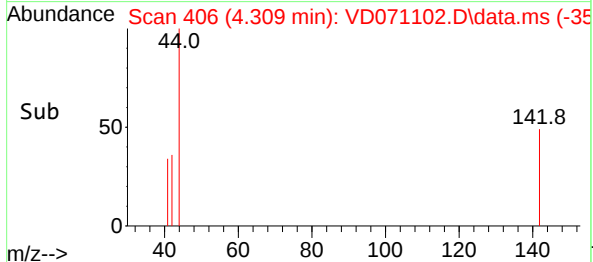
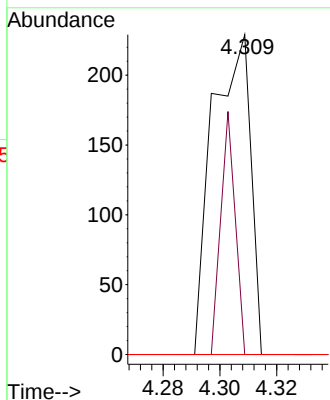
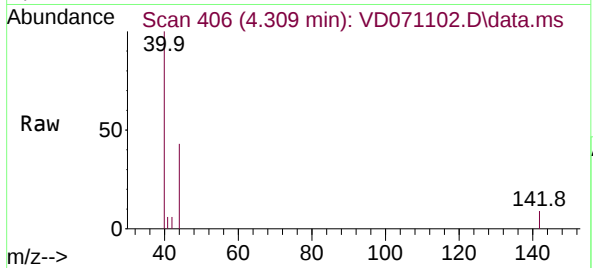




#10
Methyl Iodide
Concen: 4.901 ug/l
RT: 4.309 min Scan# 405
Delta R.T. 0.006 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

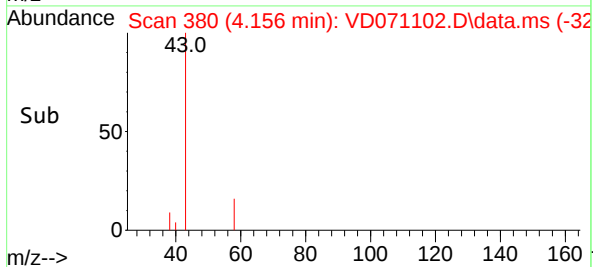
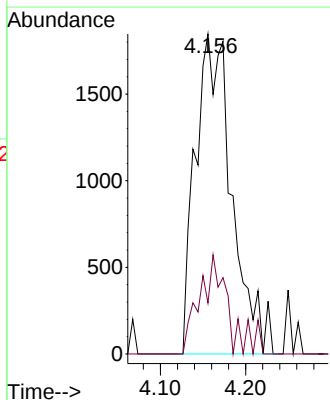
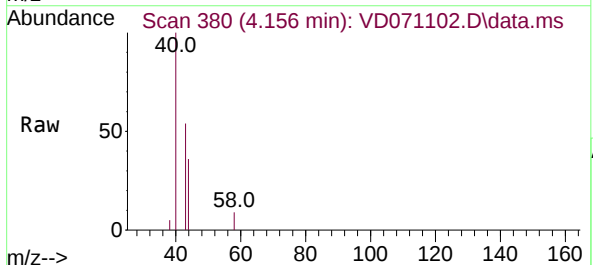
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

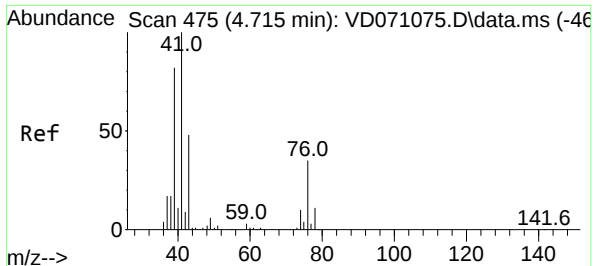
Tgt Ion:142 Resp: 212
Ion Ratio Lower Upper
142 100
127 28.8 35.0 52.4#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 62.761 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

Tgt Ion: 43 Resp: 5502
Ion Ratio Lower Upper
43 100
58 15.9 27.8 41.8#

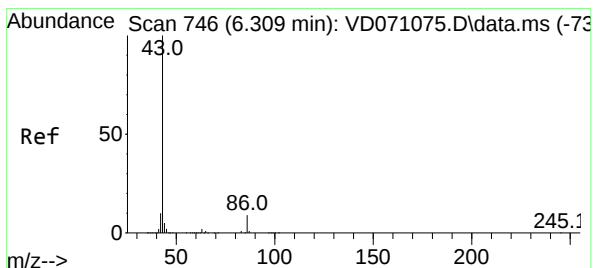
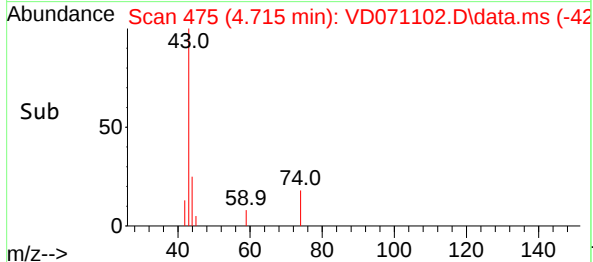
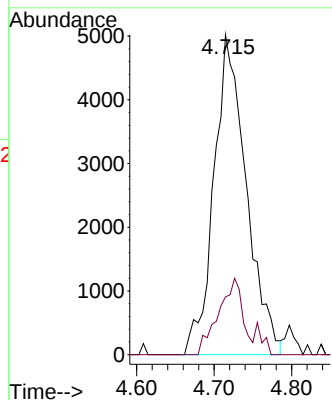
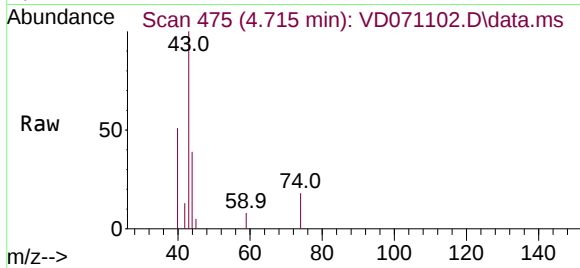




#18
Methyl Acetate
Concen: 34.813 ug/l
RT: 4.715 min Scan# 41
Delta R.T. -0.000 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

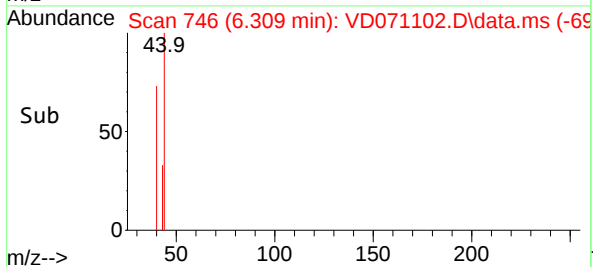
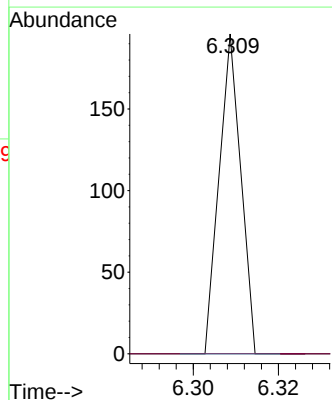
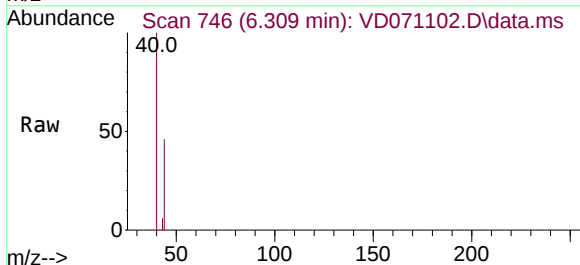
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

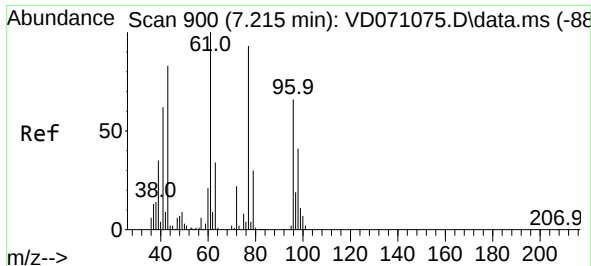
Tgt Ion: 43 Resp: 14599
Ion Ratio Lower Upper
43 100
74 17.9 19.3 28.9#



#23
Vinyl Acetate
Concen: 27.285 ug/l
RT: 6.309 min Scan# 746
Delta R.T. -0.000 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

Tgt Ion: 43 Resp: 69
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#

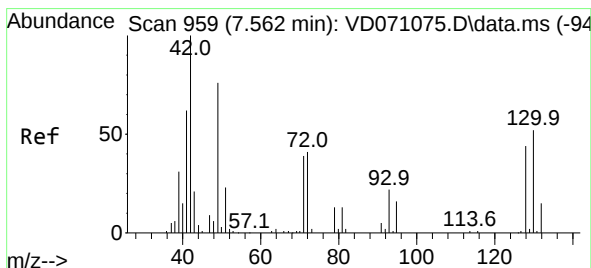
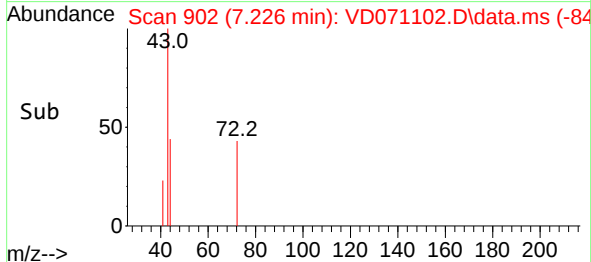
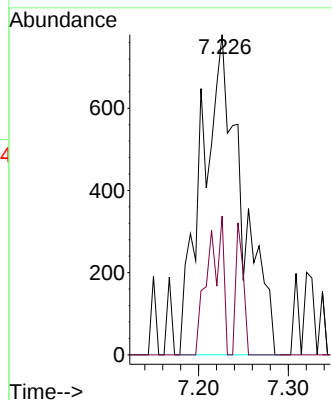
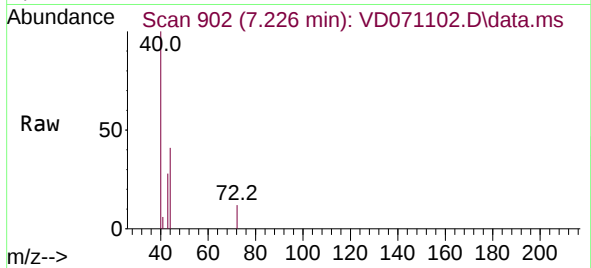




#25
2-Butanone
Concen: 40.500 ug/l
RT: 7.226 min Scan# 901
Delta R.T. 0.011 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

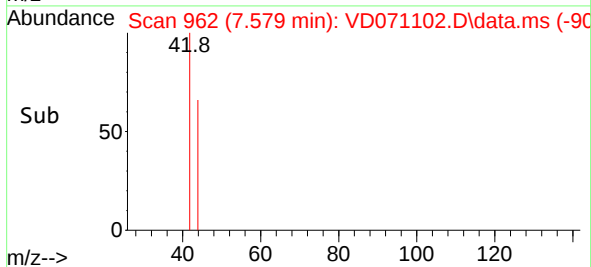
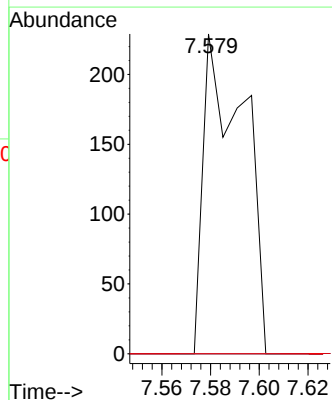
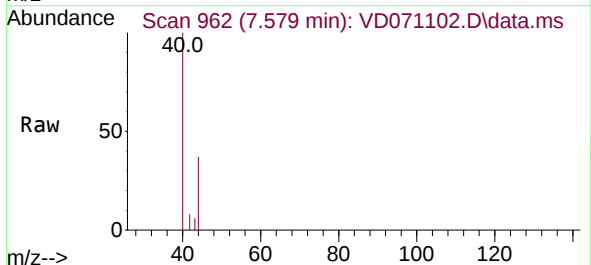
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

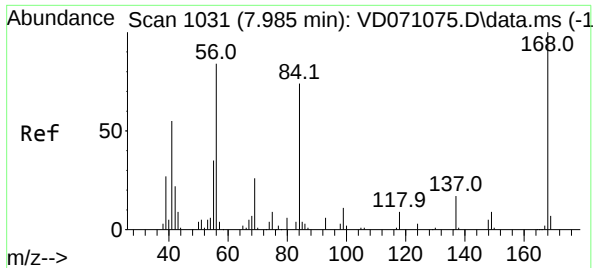
Tgt Ion: 43 Resp: 2387
Ion Ratio Lower Upper
43 100
72 43.4 23.8 35.6#



#29
Tetrahydrofuran
Concen: 2.914 ug/l
RT: 7.579 min Scan# 962
Delta R.T. 0.017 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

Tgt Ion: 42 Resp: 263
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#





#31

Cyclohexane

Concen: 1.687 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.006 min

Lab File: VD071102.D

Acq: 01 Dec 2021 13:01

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-3

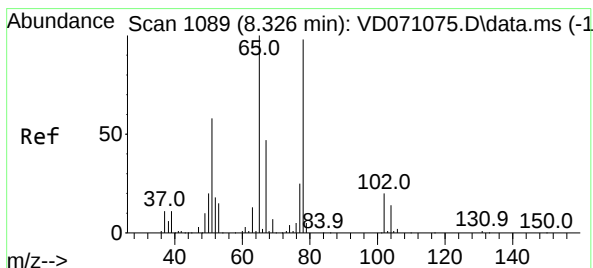
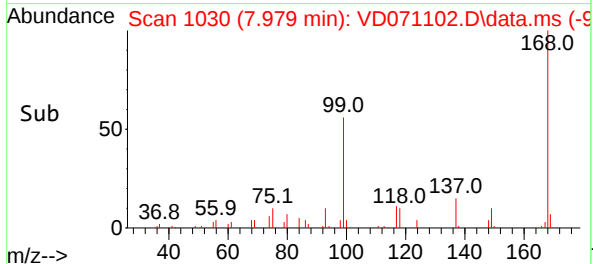
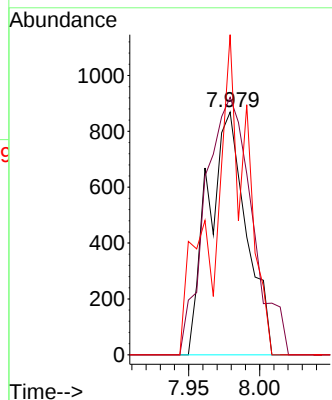
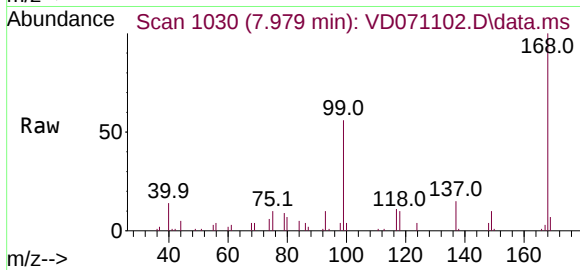
Tgt Ion: 56 Resp: 1631

Ion Ratio Lower Upper

56 100

69 106.1 25.9 38.9#

84 131.9 64.3 96.5#



#33

1,2-Dichloroethane-d4

Concen: 74.336 ug/l

RT: 8.332 min Scan# 1090

Delta R.T. 0.006 min

Lab File: VD071102.D

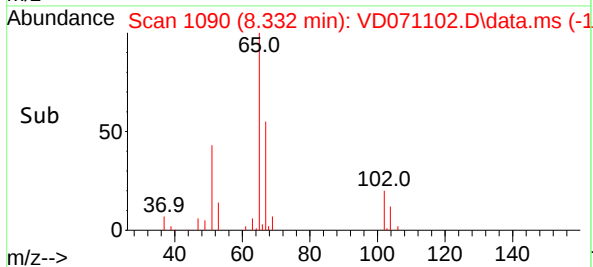
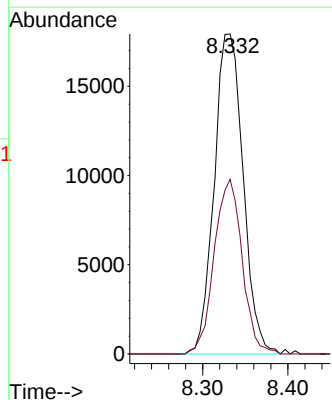
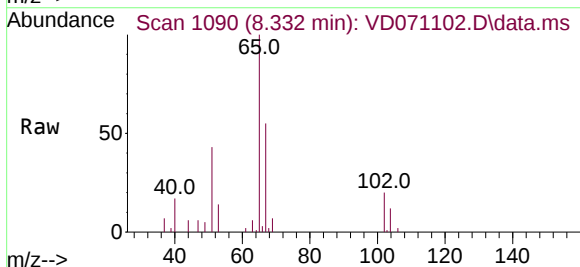
Acq: 01 Dec 2021 13:01

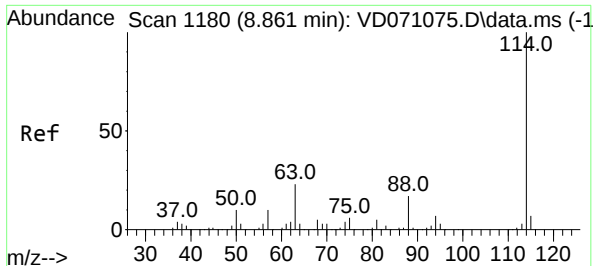
Tgt Ion: 65 Resp: 42250

Ion Ratio Lower Upper

65 100

67 52.8 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: VD071102.D

Acq: 01 Dec 2021 13:01

Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-3

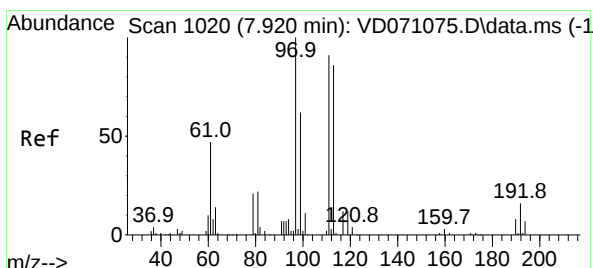
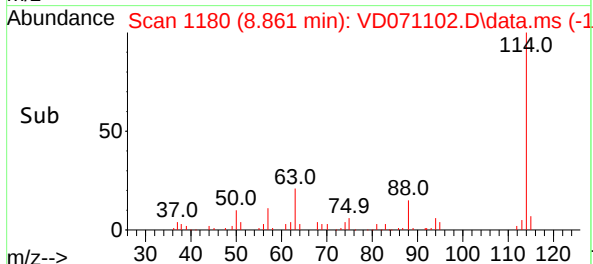
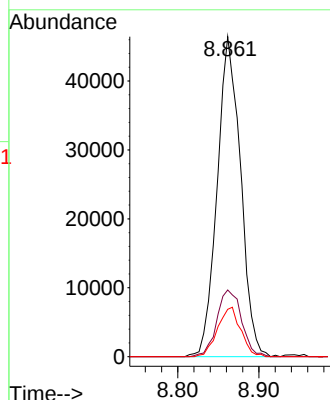
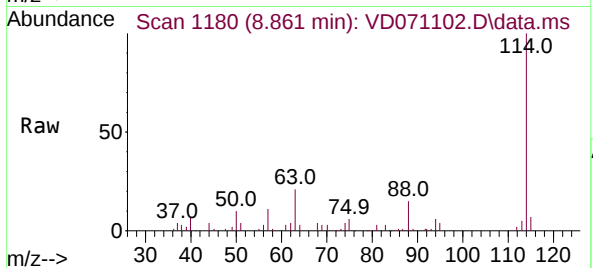
Tgt Ion:114 Resp: 93060

Ion Ratio Lower Upper

114 100

63 20.9 0.0 41.8

88 14.8 0.0 32.8



#35

Dibromofluoromethane

Concen: 56.538 ug/l

RT: 7.909 min Scan# 1018

Delta R.T. -0.011 min

Lab File: VD071102.D

Acq: 01 Dec 2021 13:01

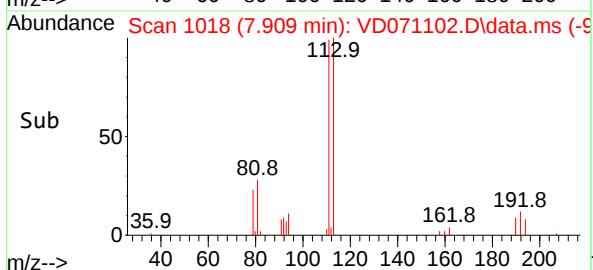
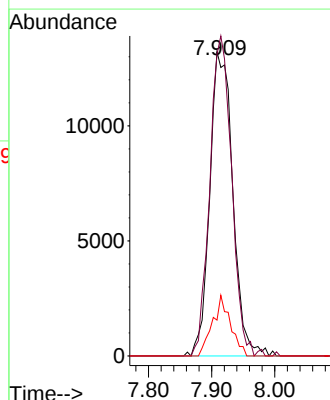
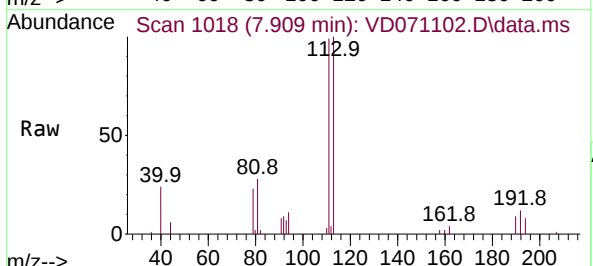
Tgt Ion:113 Resp: 33504

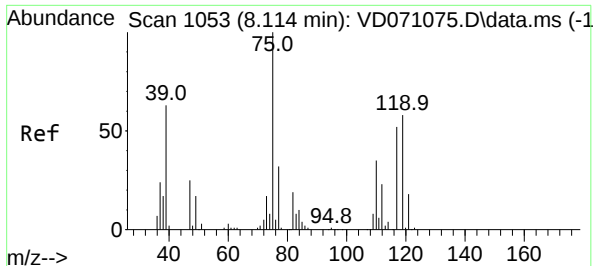
Ion Ratio Lower Upper

113 100

111 99.7 82.0 123.0

192 15.5 15.2 22.8





#36

1,1-Dichloropropene

Concen: 5.818 ug/l

RT: 7.979 min Scan# 1029

Delta R.T. -0.135 min

Lab File: VD071102.D

Acq: 01 Dec 2021 13:01

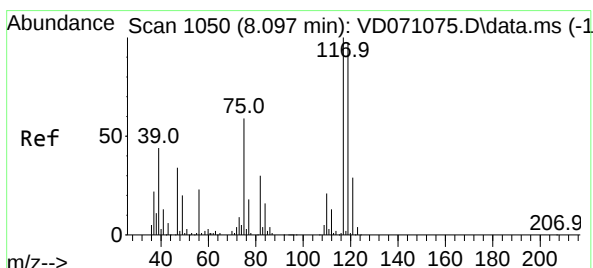
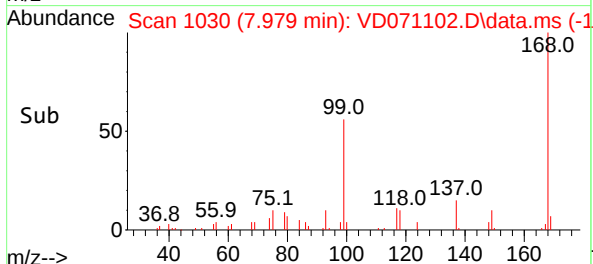
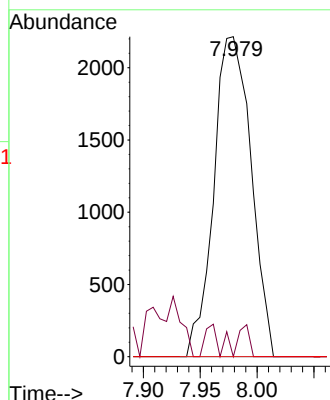
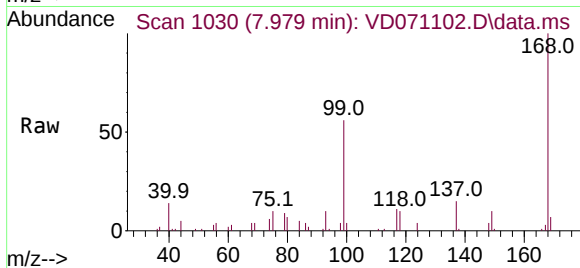
Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-3

Tgt Ion: 75	Resp:	5060
Ion Ratio	Lower	Upper
75	100	
110	2.8	17.8 53.4#
77	0.0	24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.139 ug/l

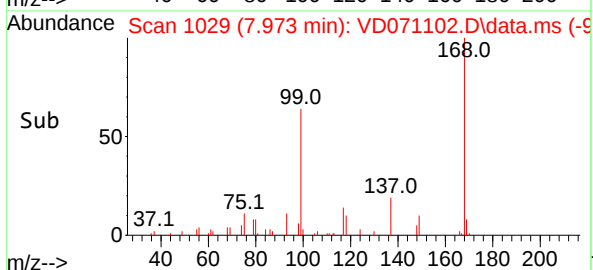
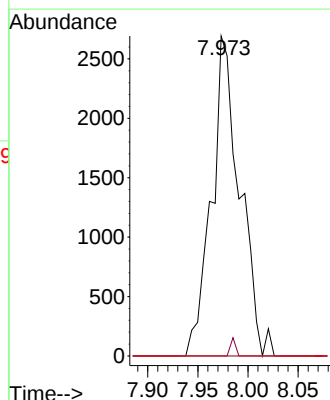
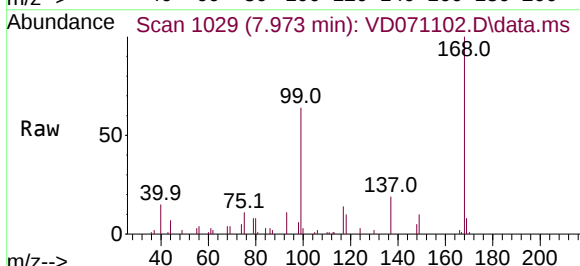
RT: 7.973 min Scan# 1029

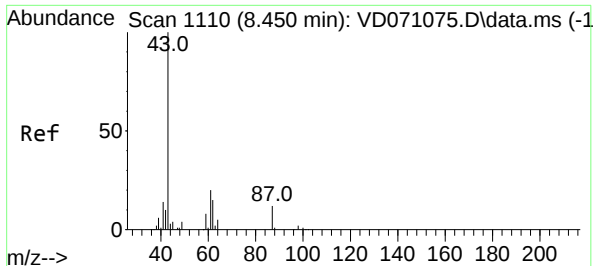
Delta R.T. -0.124 min

Lab File: VD071102.D

Acq: 01 Dec 2021 13:01

Tgt Ion: 117	Resp:	5263
Ion Ratio	Lower	Upper
117	100	
119	0.0	75.8 113.6#
121	0.0	23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.385 ug/l

RT: 8.450 min Scan# 1110

Delta R.T. -0.000 min

Lab File: VD071102.D

Acq: 01 Dec 2021 13:01

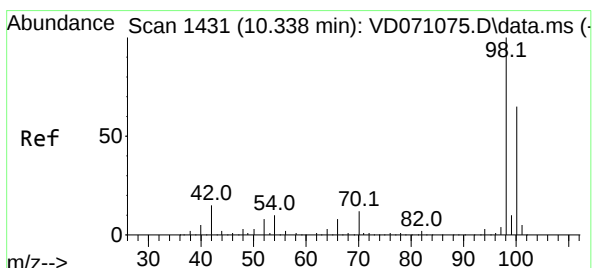
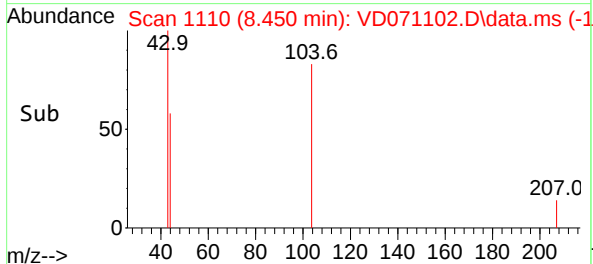
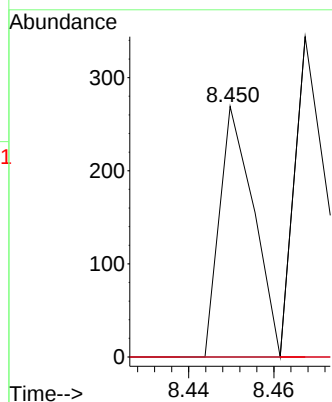
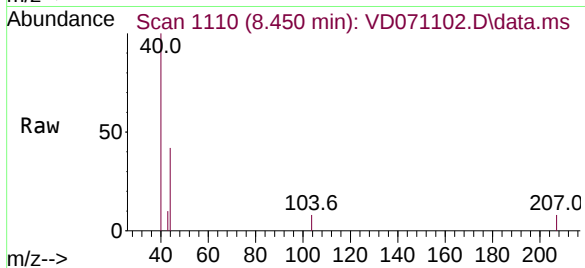
Instrument :

MSVOA_D

ClientSampleId :

SAMPLE-3

Tgt Ion: 43	Resp:	150
Ion Ratio	Lower	Upper
43	100	
61	0.0	28.2
87	0.0	10.7



#50

Toluene-d8

Concen: 52.536 ug/l

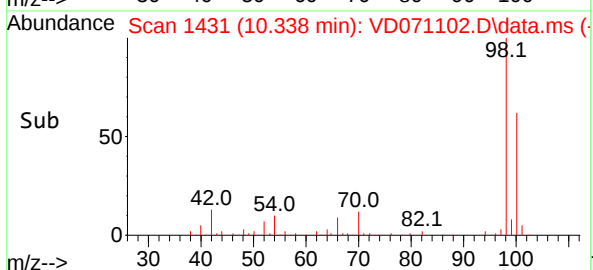
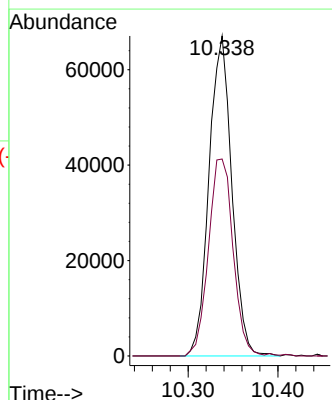
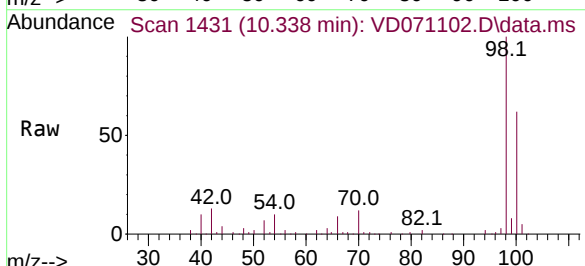
RT: 10.338 min Scan# 1431

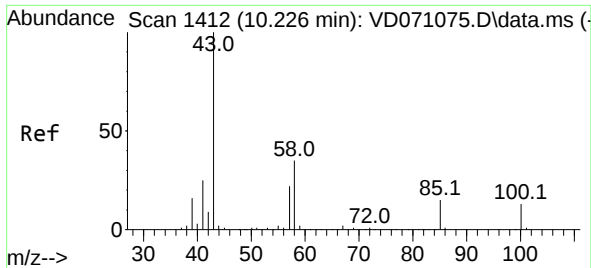
Delta R.T. -0.000 min

Lab File: VD071102.D

Acq: 01 Dec 2021 13:01

Tgt Ion: 98	Resp:	118476
Ion Ratio	Lower	Upper
98	100	
100	66.4	51.8

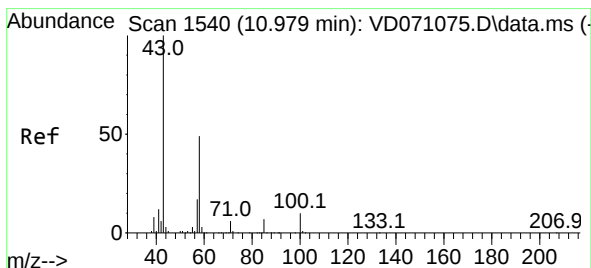
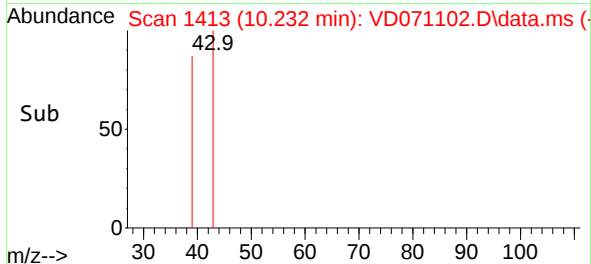
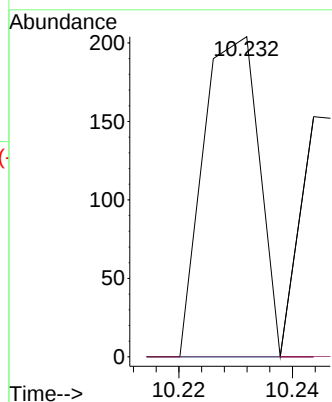
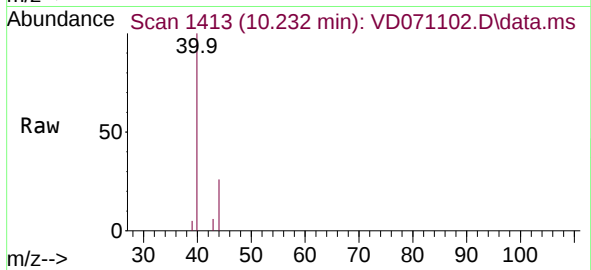




#51
4-Methyl-2-Pentanone
Concen: 30.940 ug/l
RT: 10.232 min Scan# 1412
Delta R.T. 0.006 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

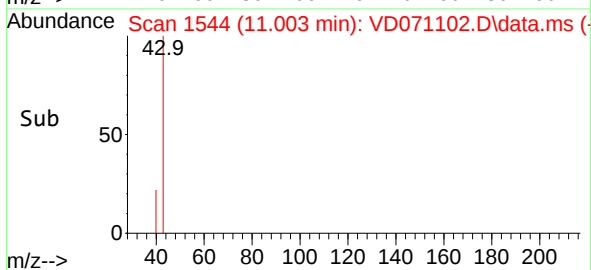
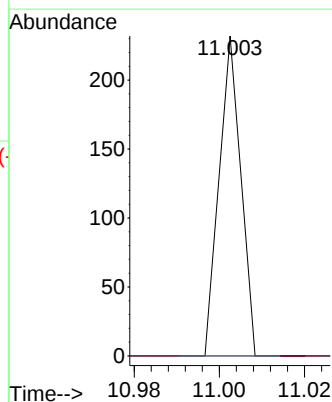
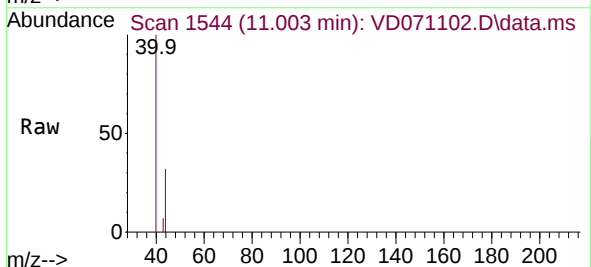
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

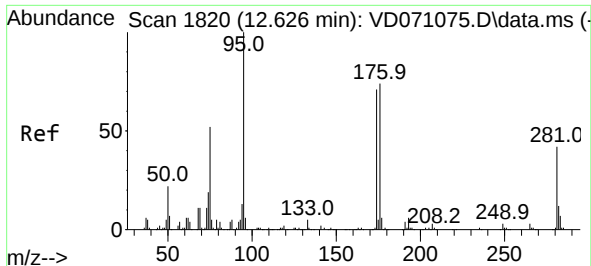
Tgt Ion: 43 Resp: 139
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#



#59
2-Hexanone
Concen: 34.795 ug/l
RT: 11.003 min Scan# 1544
Delta R.T. 0.024 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

Tgt Ion: 43 Resp: 82
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

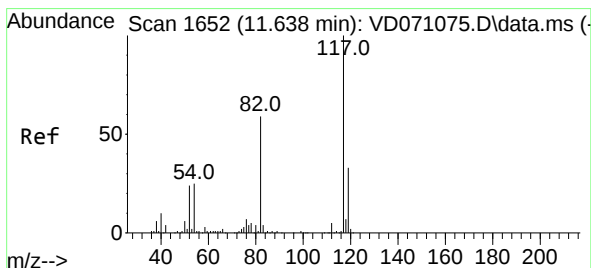
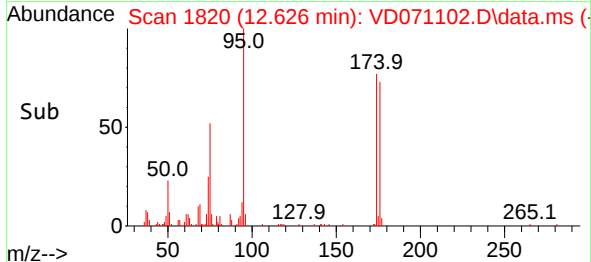
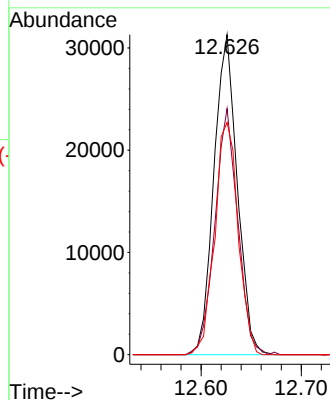
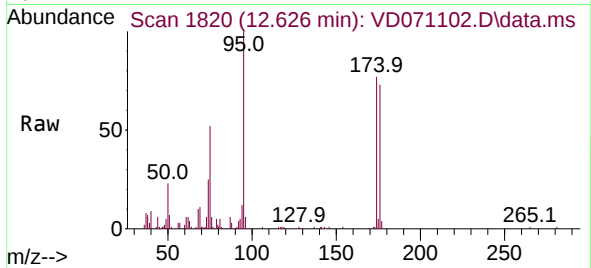




#62
4-Bromofluorobenzene
Concen: 64.763 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

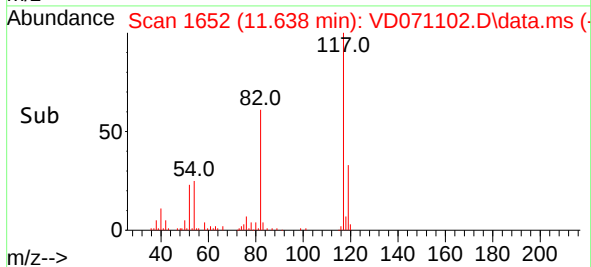
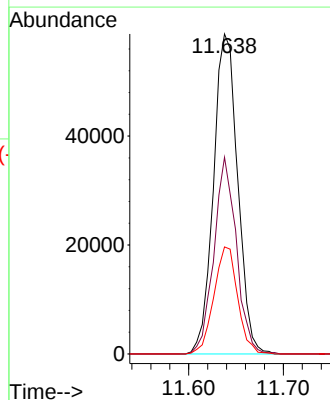
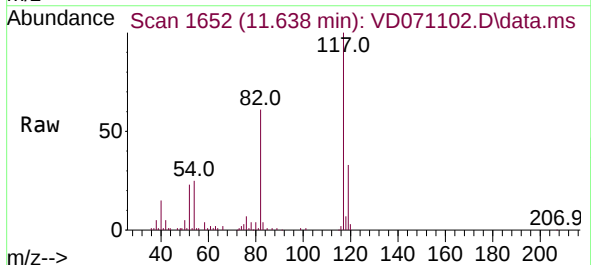
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

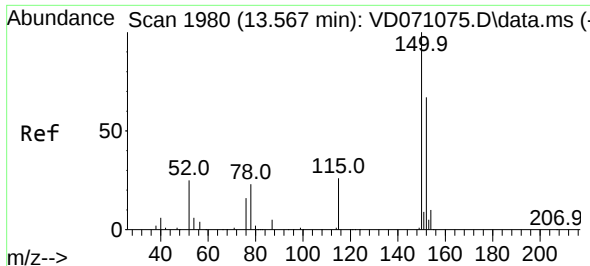
Tgt Ion:	95	Resp:	50626
Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	159.4
176	72.9	0.0	154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

Tgt Ion:	117	Resp:	104380
Ion	Ratio	Lower	Upper
117	100		
82	61.5	44.7	67.1
119	33.4	26.2	39.4

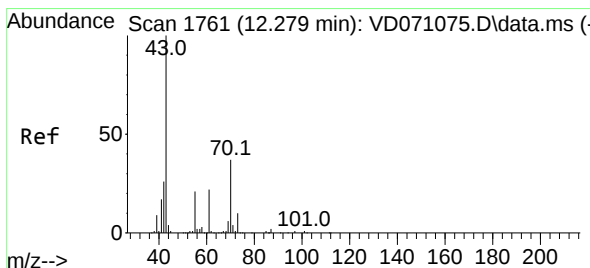
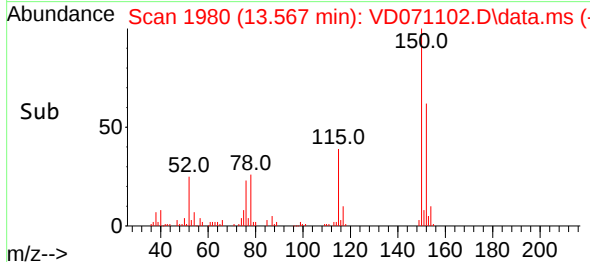
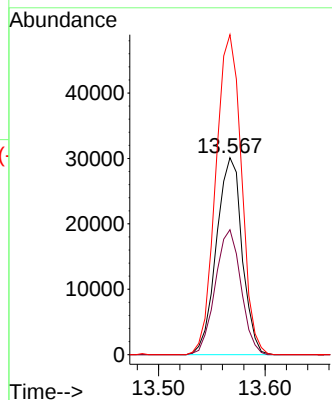
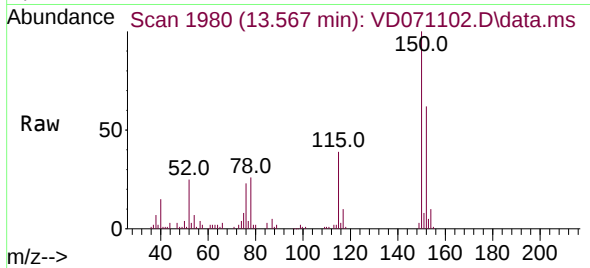




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

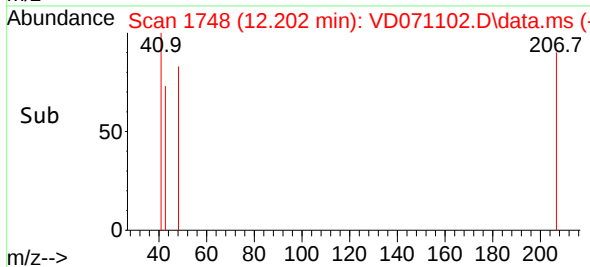
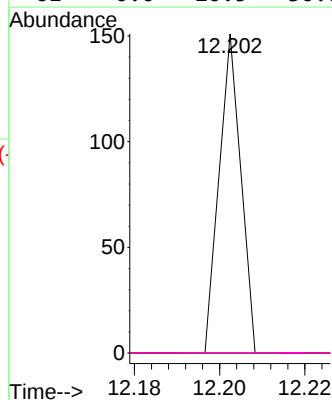
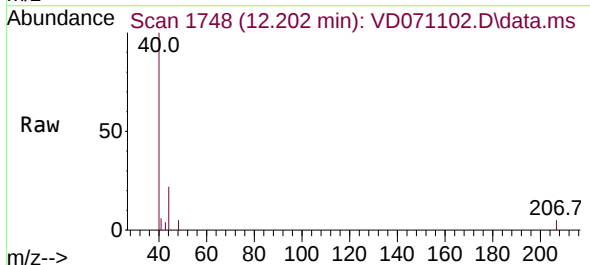
Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

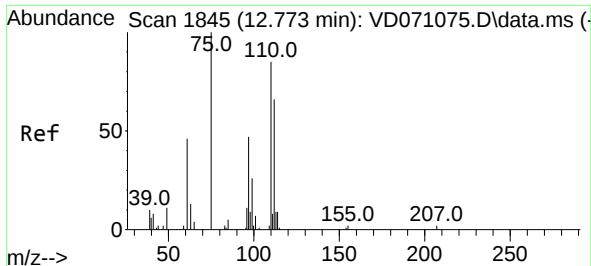
Tgt Ion:152 Resp: 50398
Ion Ratio Lower Upper
152 100
115 63.4 29.8 89.3
150 162.4 0.0 349.2



#74
N-ethyl acetate
Concen: 5.748 ug/l
RT: 12.202 min Scan# 1748
Delta R.T. -0.077 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

Tgt Ion: 43 Resp: 53
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#

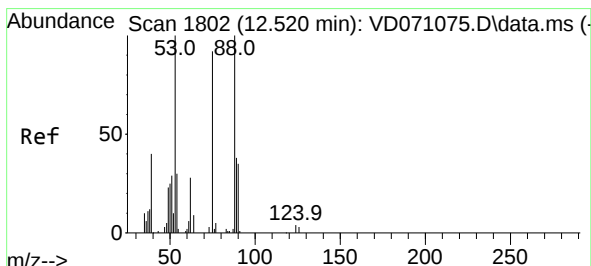
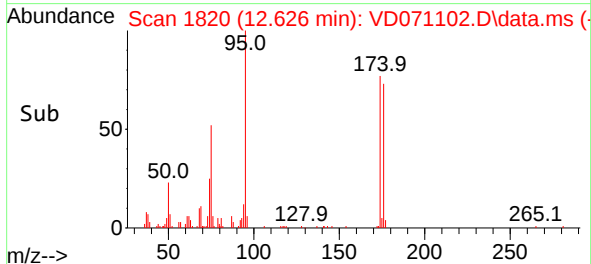
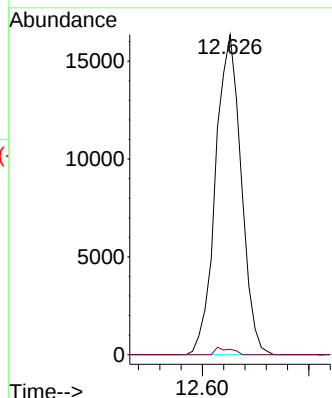
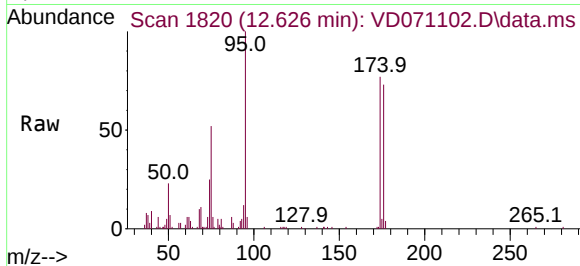




#76
1,2,3-Trichloropropane
Concen: 56.805 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

Instrument :
MSVOA_D
ClientSampleId :
SAMPLE-3

Tgt Ion: 75 Resp: 27276
Ion Ratio Lower Upper
75 100
77 1.4 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 123.294 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071102.D
Acq: 01 Dec 2021 13:01

Tgt Ion: 75 Resp: 27276
Ion Ratio Lower Upper
75 100
53 0.2 62.6 94.0#
89 0.0 34.5 51.7#

