

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071407.D
 Acq On : 21 Dec 2021 13:29
 Operator : VA/SY
 Sample : M5179-01
 Misc : 6.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 19:05:55 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)

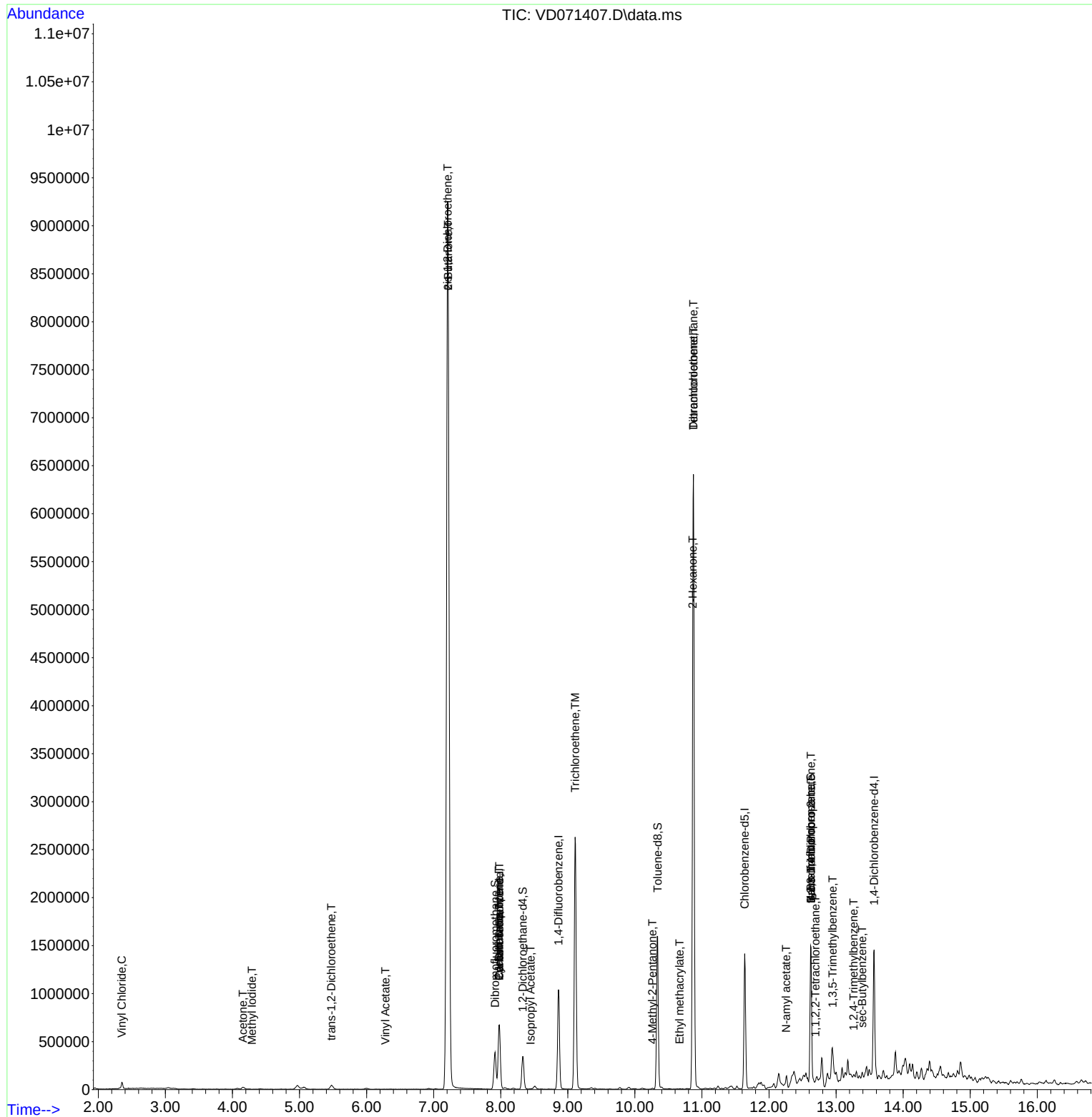
Internal Standards						
1) Pentafluorobenzene	7.979	168	486493	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	831892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	734994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	331732	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	273817	47.967	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	95.940%		
35) Dibromofluoromethane	7.914	113	263100	49.666	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	99.340%		
50) Toluene-d8	10.338	98	1046324	51.903	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.800%		
62) 4-Bromofluorobenzene	12.620	95	349829	50.062	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	100.120%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.350	62	51787	8.457	ug/l	94
10) Methyl Iodide	4.291	142	143	4.583	ug/l #	40
11) Tert butyl alcohol	5.203	59	474	Below Cal	#	71
16) Acetone	4.156	43	38204	52.895	ug/l #	78
21) trans-1,2-Dichloroethene	5.473	96	20836	4.098	ug/l #	89
23) Vinyl Acetate	6.279	43	67	27.225	ug/l #	72
25) 2-Butanone	7.214	43	4625	30.701	ug/l #	1
27) cis-1,2-Dichloroethene	7.209	96	5320210	925.009	ug/l	96
31) Cyclohexane	7.973	56	14966	1.541	ug/l #	10
36) 1,1-Dichloropropene	7.973	75	43287	5.567	ug/l #	49
38) Carbon Tetrachloride	7.979	117	52602	6.863	ug/l #	17
41) Methacrylonitrile	7.497	41	74	Below Cal	#	41
43) Isopropyl Acetate	8.444	43	920	5.334	ug/l #	47
44) Trichloroethene	9.108	130	877147	155.771	ug/l	94
51) 4-Methyl-2-Pentanone	10.261	43	1895	31.091	ug/l #	79
56) Ethyl methacrylate	10.667	69	527	6.056	ug/l #	1
59) 2-Hexanone	10.861	43	3796	35.720	ug/l	89
60) Dibromochloromethane	10.873	129	1256257	267.395	ug/l #	11
64) Tetrachloroethene	10.873	164	1352208	289.794	ug/l	97
71) Bromoform	12.626	173	3683	1.428	ug/l #	1
74) N-amyl acetate	12.255	43	27472	9.402	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.691	83	5137	1.299	ug/l #	56
76) 1,2,3-Trichloropropane	12.626	75	198773	62.891	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.949	105	28085	1.418	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.626	75	198773	135.885	ug/l #	19
84) 1,2,4-Trimethylbenzene	13.261	105	26349	1.363	ug/l	95
85) sec-Butylbenzene	13.391	105	26400	1.016	ug/l #	77

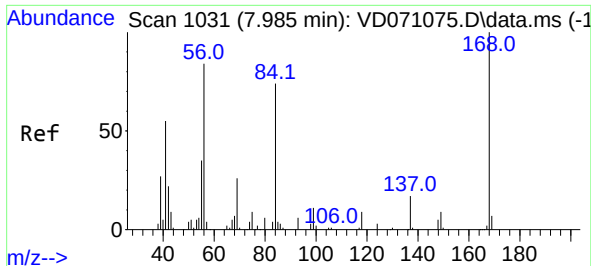
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 21 19:05:55 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

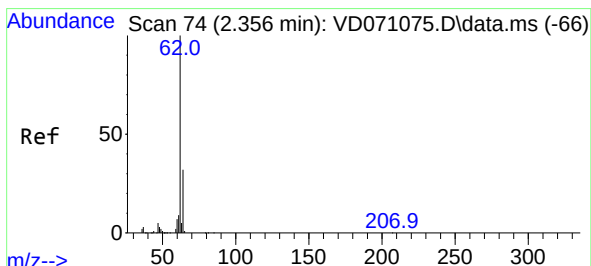
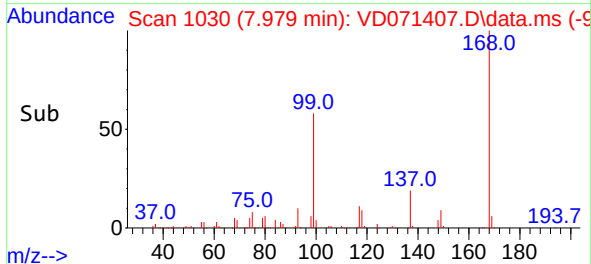
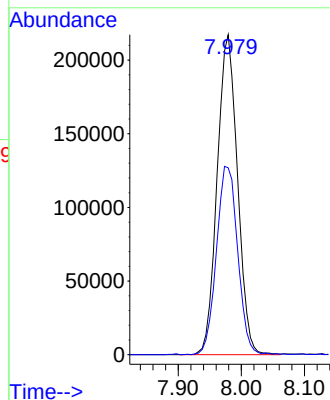
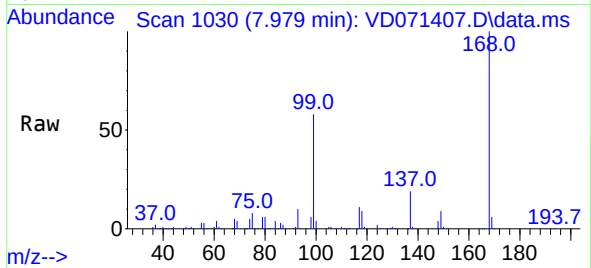




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

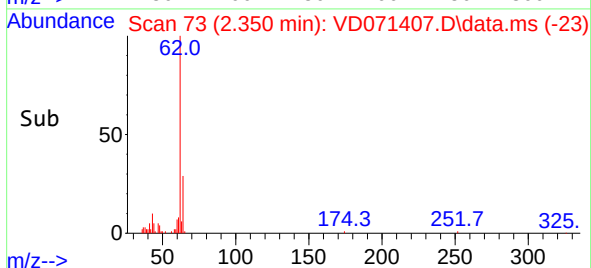
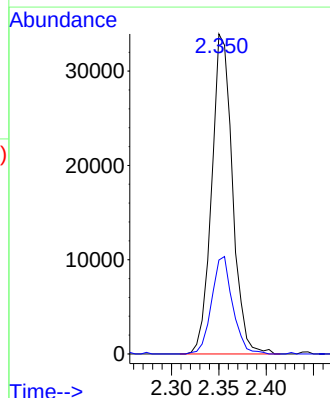
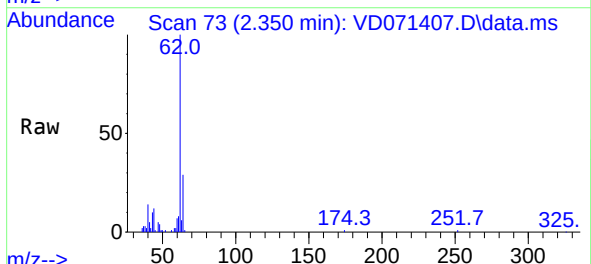
Instrument :
MSVOA_D
ClientSampleId :

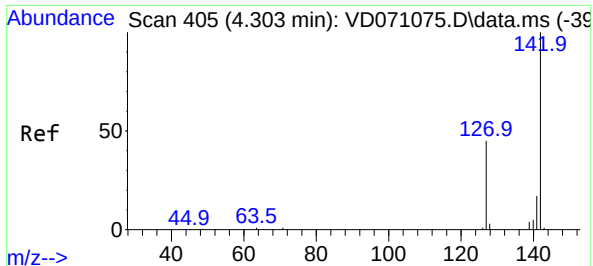
Tgt Ion:168 Resp: 486493
Ion Ratio Lower Upper
168 100
99 58.4 46.6 69.8



#4
Vinyl Chloride
Concen: 8.457 ug/l
RT: 2.350 min Scan# 73
Delta R.T. -0.006 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Tgt Ion: 62 Resp: 51787
Ion Ratio Lower Upper
62 100
64 29.4 26.0 39.0

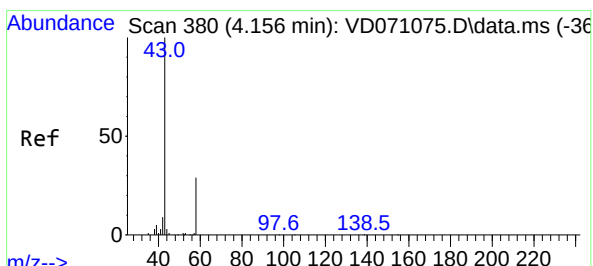
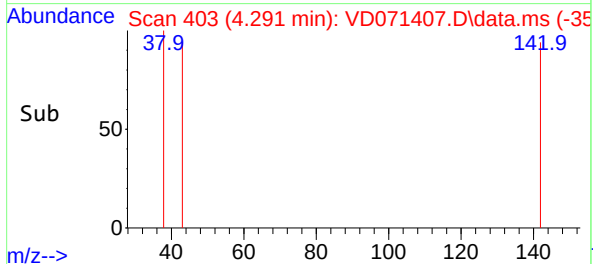
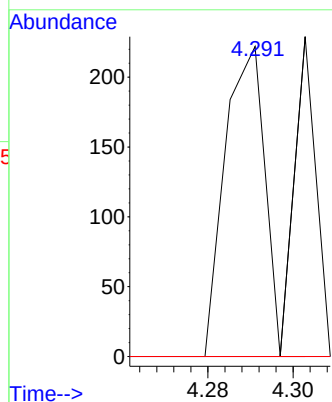
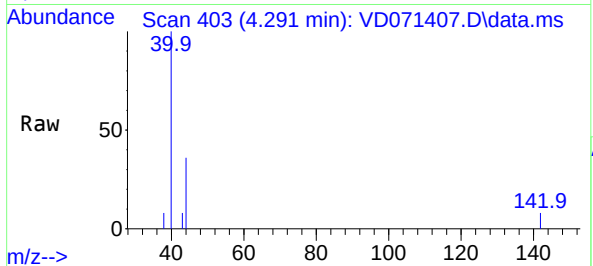




#10
Methyl Iodide
Concen: 4.583 ug/l
RT: 4.291 min Scan# 40
Delta R.T. -0.012 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

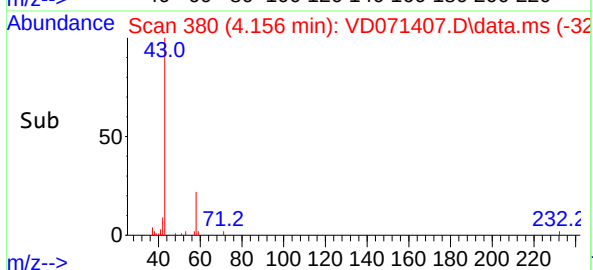
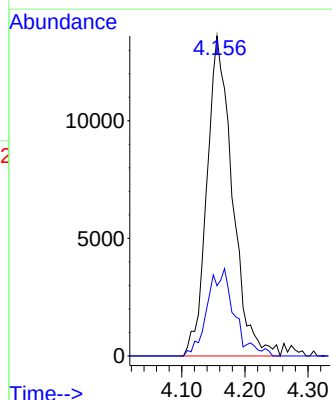
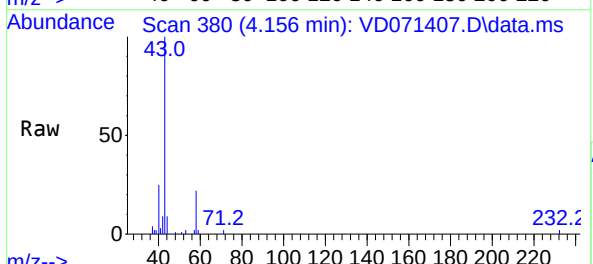
Instrument :
MSVOA_D
ClientSampleId :

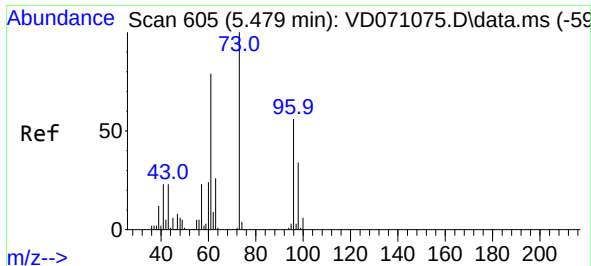
Tgt Ion:142 Resp: 143
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#



#16
Acetone
Concen: 52.895 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

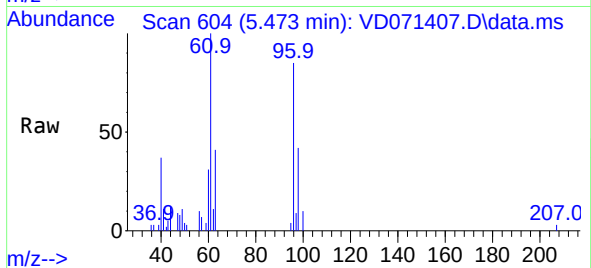
Tgt Ion: 43 Resp: 38204
Ion Ratio Lower Upper
43 100
58 21.9 27.8 41.8#



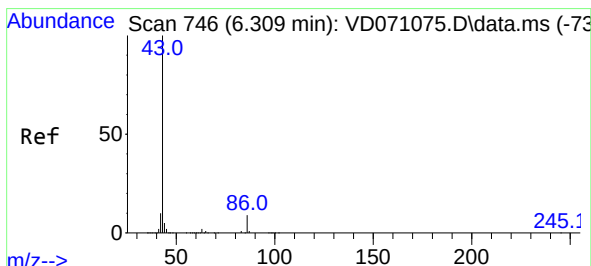
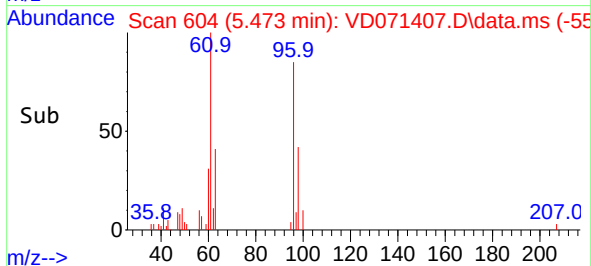
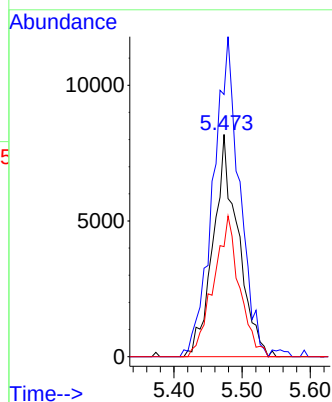


#21
trans-1,2-Dichloroethene
Concen: 4.098 ug/l
RT: 5.473 min Scan# 604
Delta R.T. -0.006 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Instrument :
MSVOA_D
ClientSampleId :

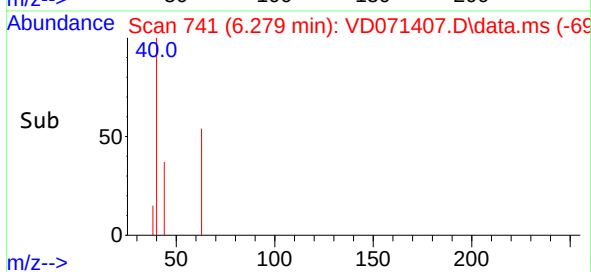
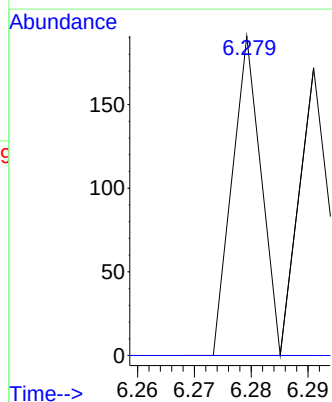
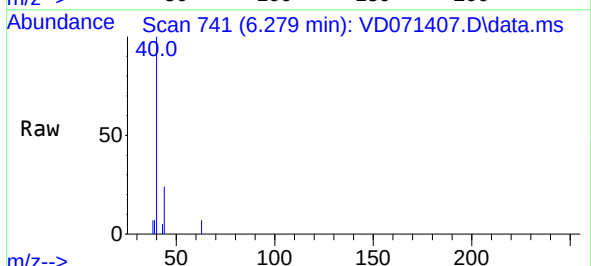


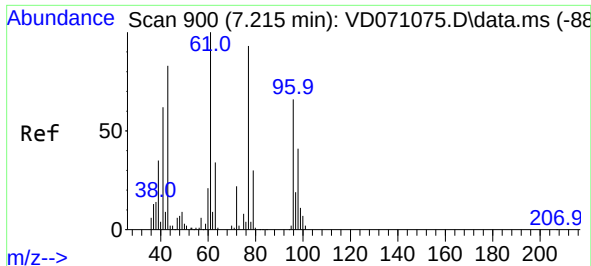
Tgt Ion: 96 Resp: 20836
Ion Ratio Lower Upper
96 100
61 118.0 102.1 153.1
98 49.6 50.1 75.1#



#23
Vinyl Acetate
Concen: 27.225 ug/l
RT: 6.279 min Scan# 741
Delta R.T. -0.030 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

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

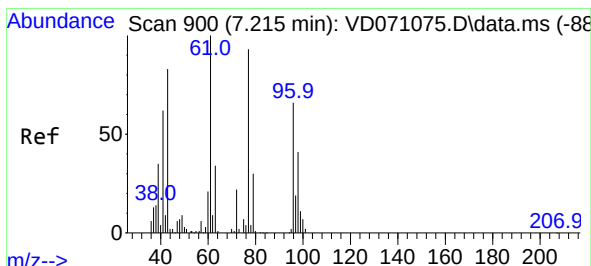
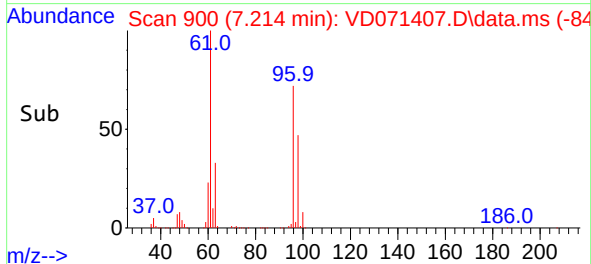
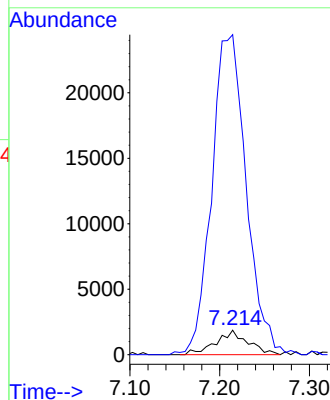
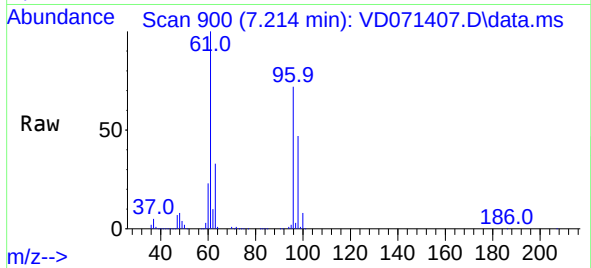




#25
2-Butanone
Concen: 30.701 ug/l
RT: 7.214 min Scan# 900
Delta R.T. -0.001 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

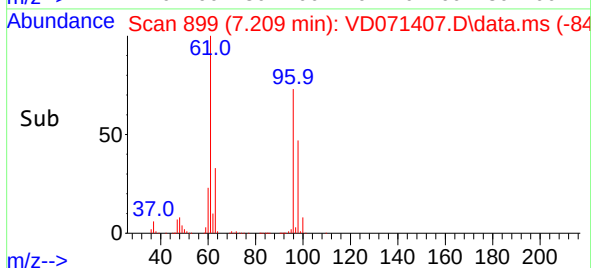
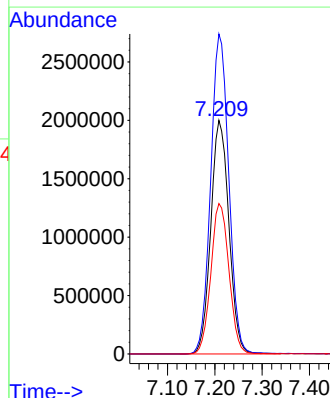
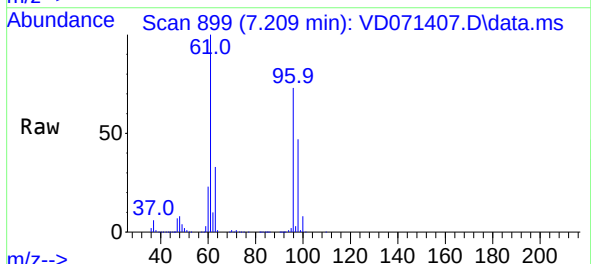
Instrument :
MSVOA_D
ClientSampleId :

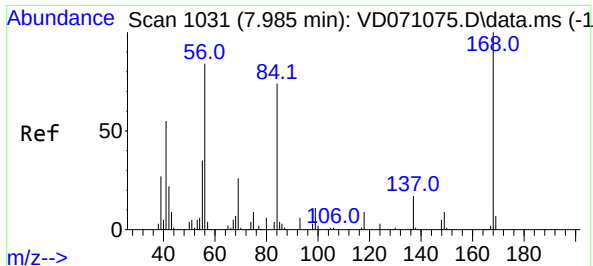
Tgt Ion: 43 Resp: 4625
Ion Ratio Lower Upper
43 100
72 1294.4 23.8 35.6#



#27
cis-1,2-Dichloroethene
Concen: 925.009 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.006 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

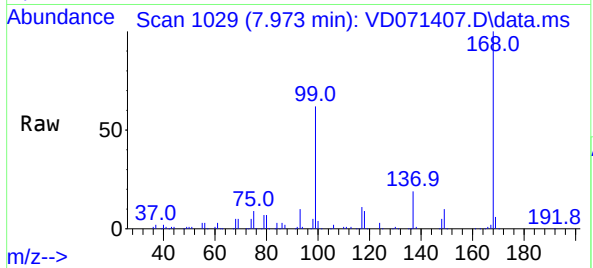
Tgt Ion: 96 Resp: 5320210
Ion Ratio Lower Upper
96 100
61 136.9 0.0 288.6
98 64.5 0.0 129.2



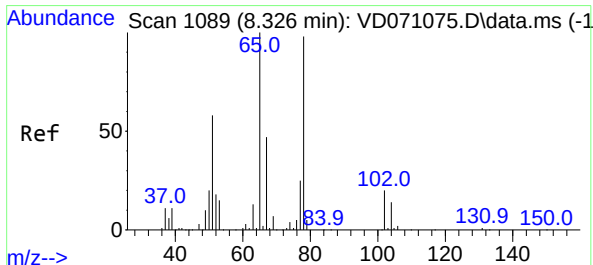
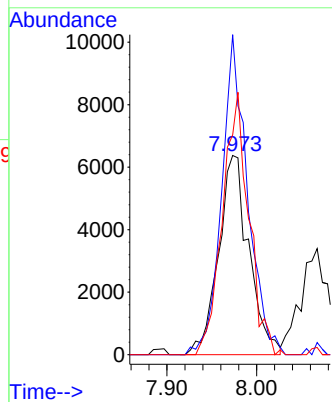
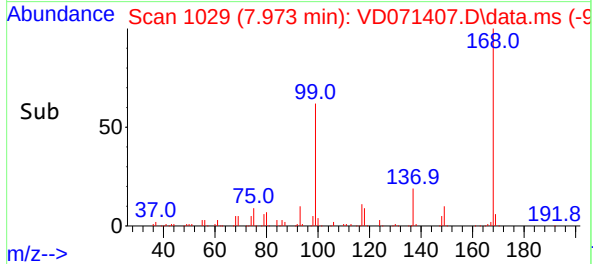


#31
Cyclohexane
Concen: 1.541 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Instrument :
MSVOA_D
ClientSampleId :

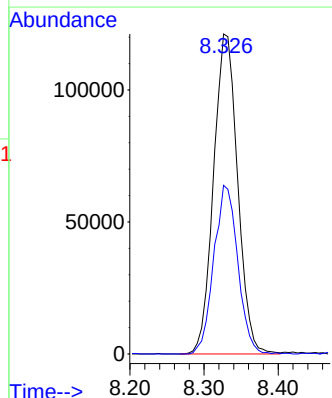
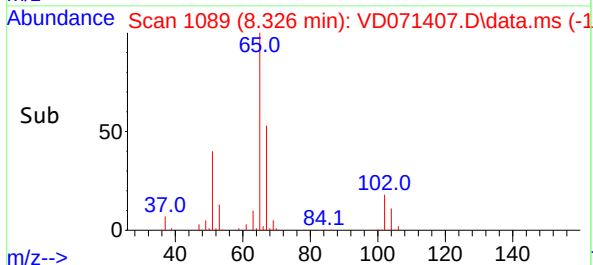
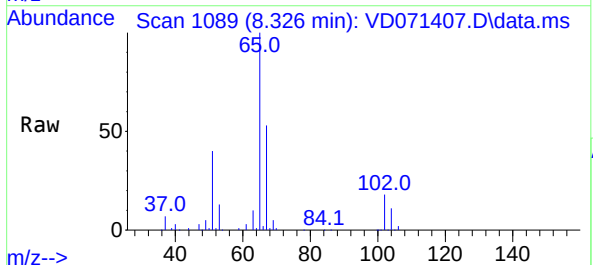


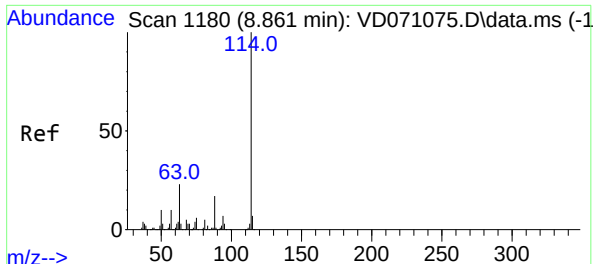
Tgt Ion: 56 Resp: 14966
Ion Ratio Lower Upper
56 100
69 160.6 25.9 38.9#
84 110.4 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 47.967 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Tgt Ion: 65 Resp: 273817
Ion Ratio Lower Upper
65 100
67 52.5 0.0 112.2

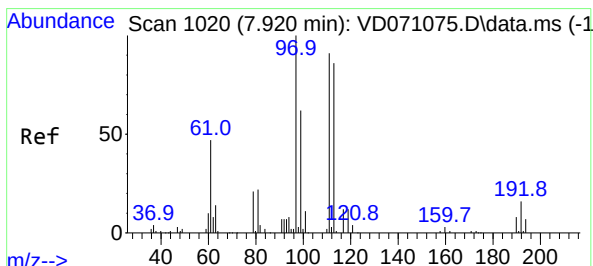
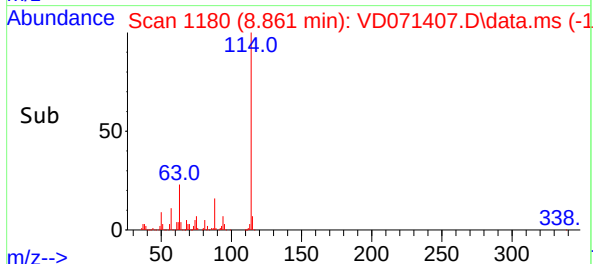
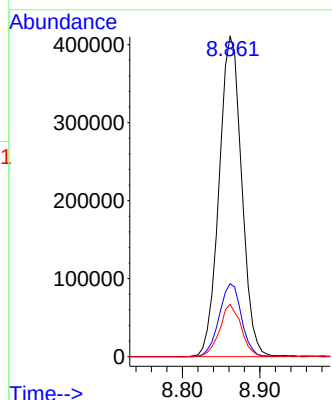
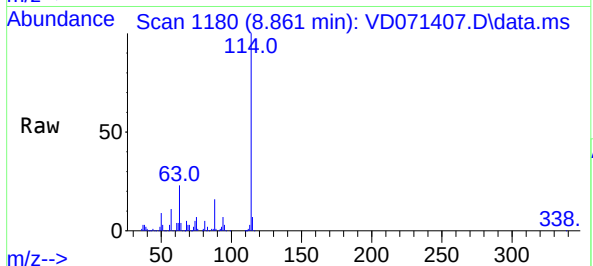




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

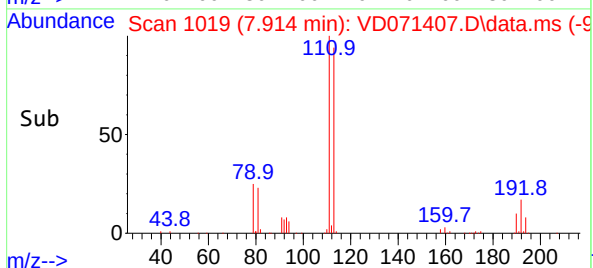
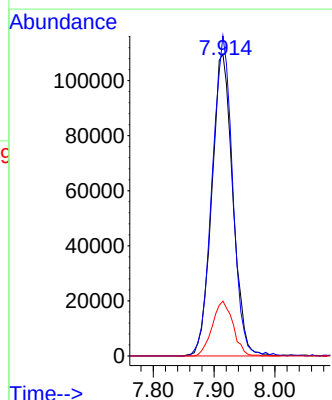
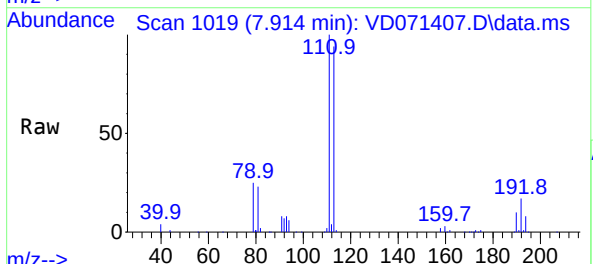
Instrument :
MSVOA_D
ClientSampleId :

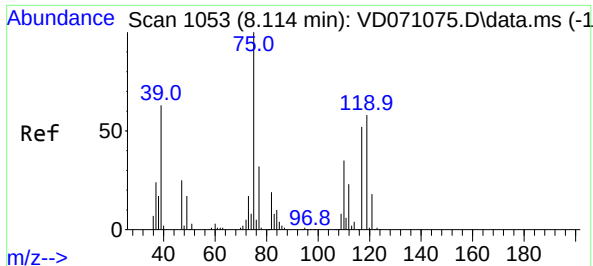
Tgt Ion:	114	Resp:	831892
Ion Ratio	Lower	Upper	
114	100		
63	22.8	0.0	41.8
88	16.4	0.0	32.8



#35
Dibromofluoromethane
Concen: 49.666 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Tgt Ion:	113	Resp:	263100
Ion Ratio	Lower	Upper	
113	100		
111	102.7	82.0	123.0
192	17.9	15.2	22.8





#36

1,1-Dichloropropene

Concen: 5.567 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.141 min

Lab File: VD071407.D

Acq: 21 Dec 2021 13:29

Instrument :

MSVOA_D

ClientSampleId :

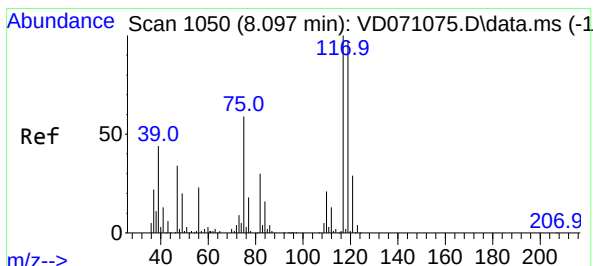
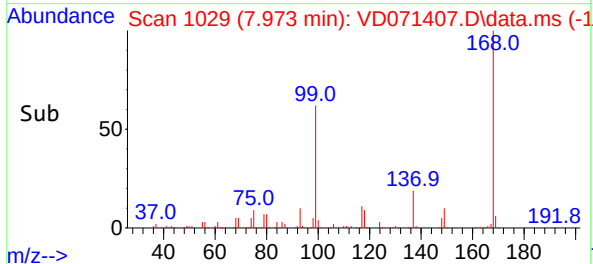
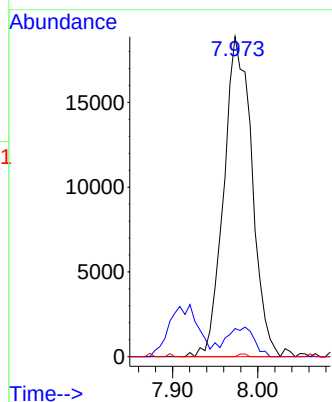
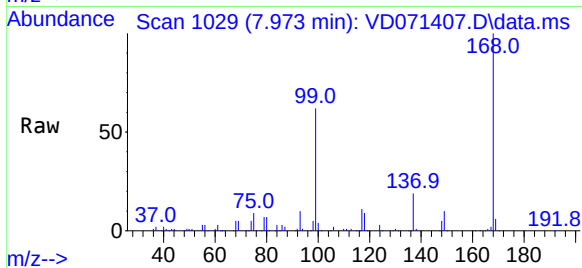
Tgt Ion: 75 Resp: 43287

Ion Ratio Lower Upper

75 100

110 8.5 17.8 53.4#

77 0.3 24.8 37.2#



#38

Carbon Tetrachloride

Concen: 6.863 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.118 min

Lab File: VD071407.D

Acq: 21 Dec 2021 13:29

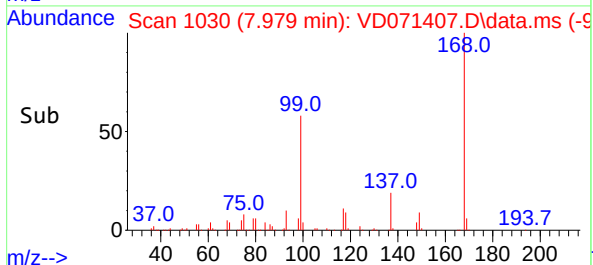
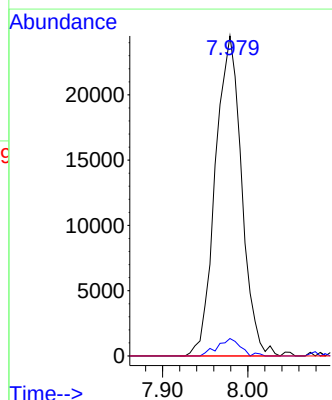
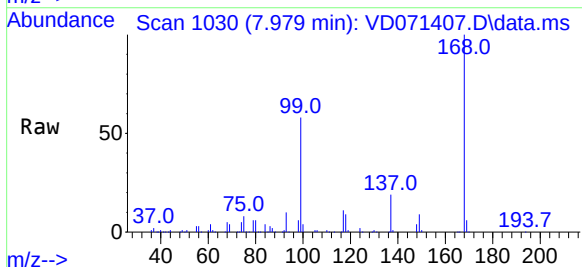
Tgt Ion: 117 Resp: 52602

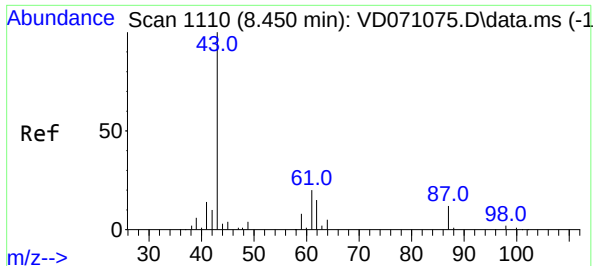
Ion Ratio Lower Upper

117 100

119 5.5 75.8 113.6#

121 0.0 23.6 35.4#

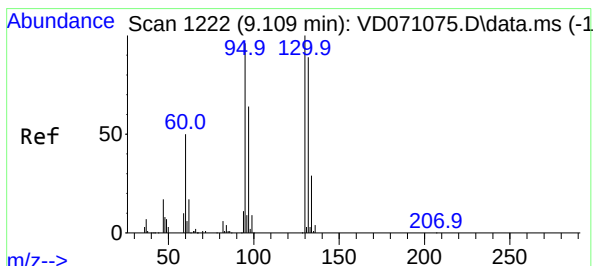
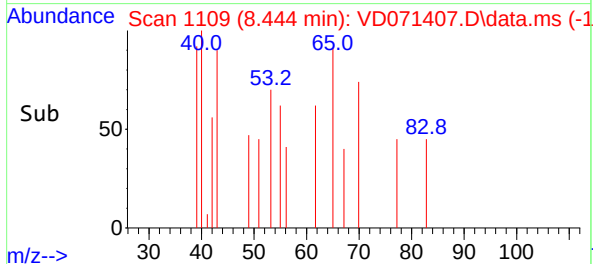
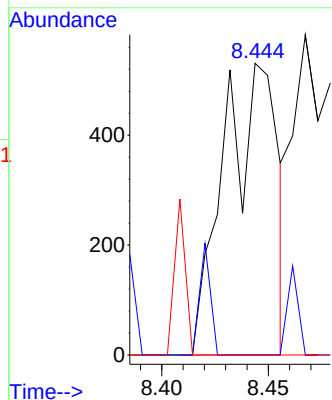
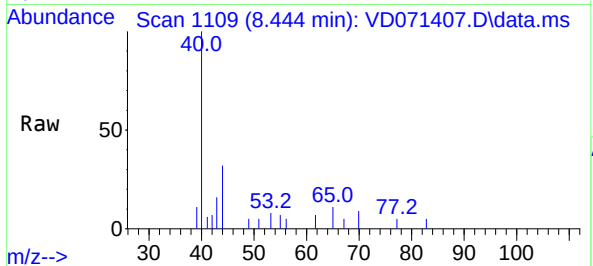




#43
Isopropyl Acetate
Concen: 5.334 ug/l
RT: 8.444 min Scan# 1110
Delta R.T. -0.006 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

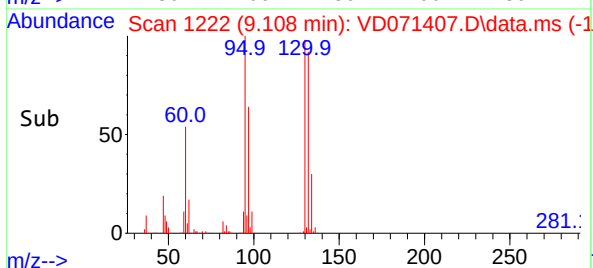
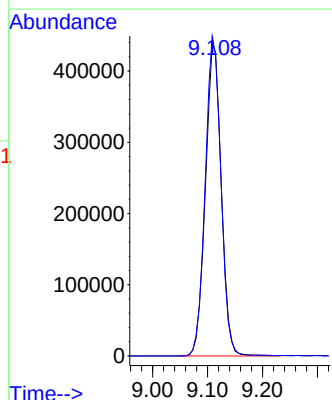
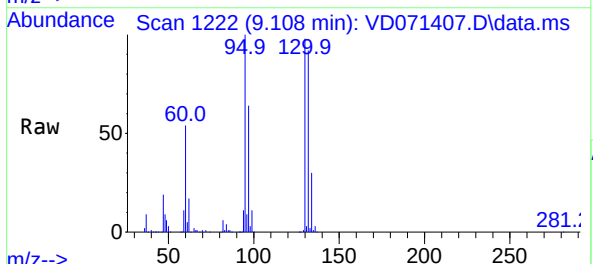
Instrument :
MSVOA_D
ClientSampleId :

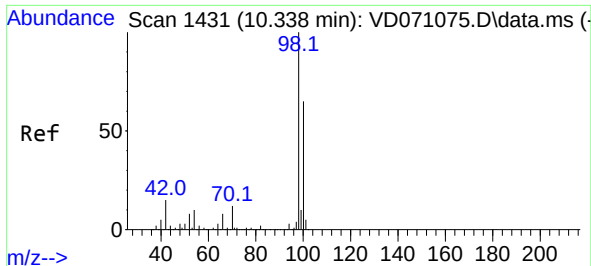
Tgt Ion: 43 Resp: 920
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#



#44
Trichloroethene
Concen: 155.771 ug/l
RT: 9.108 min Scan# 1222
Delta R.T. -0.001 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Tgt Ion:130 Resp: 877147
Ion Ratio Lower Upper
130 100
95 102.4 0.0 193.2

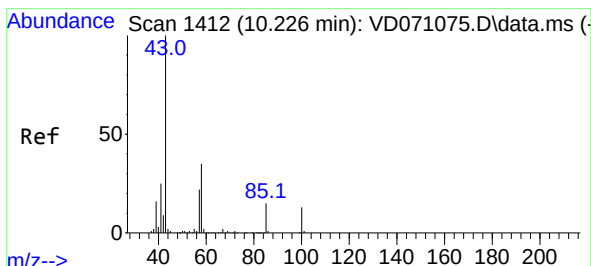
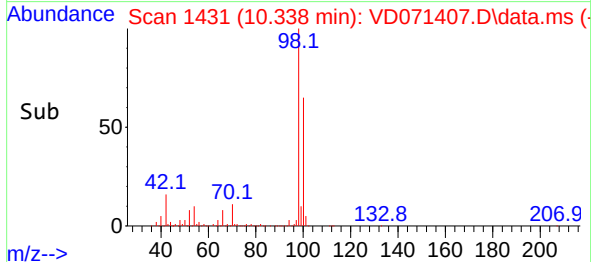
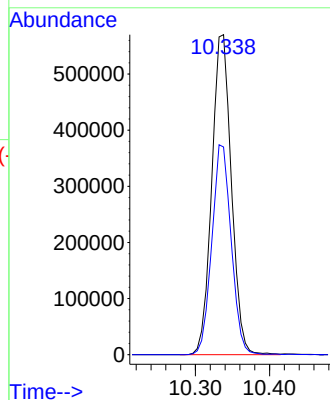
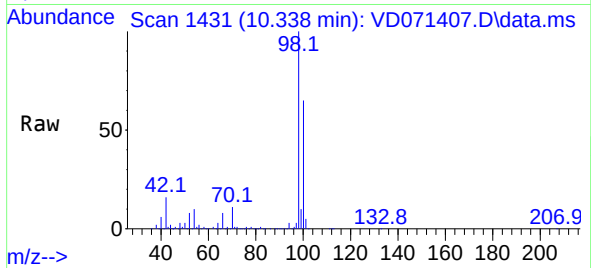




#50
Toluene-d8
Concen: 51.903 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

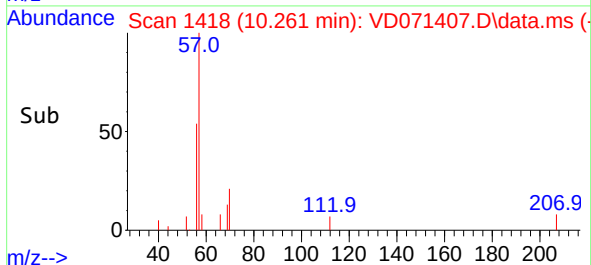
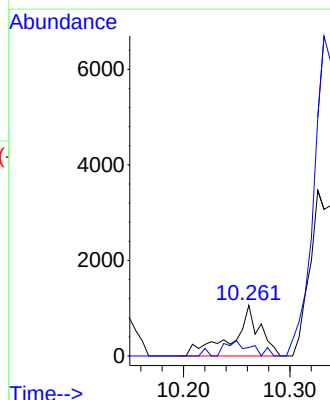
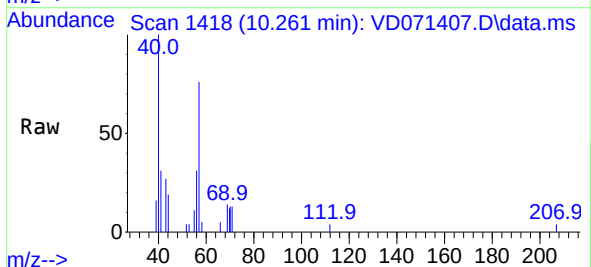
Instrument :
MSVOA_D
ClientSampleId :

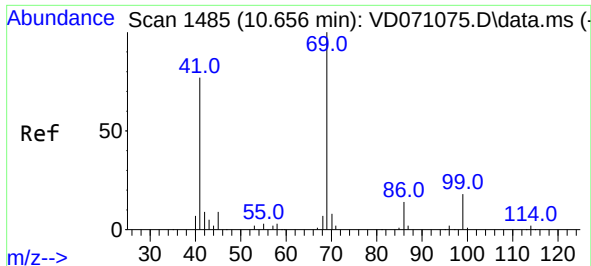
Tgt Ion: 98 Resp: 1046324
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 31.091 ug/l
RT: 10.261 min Scan# 1418
Delta R.T. 0.035 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Tgt Ion: 43 Resp: 1895
Ion Ratio Lower Upper
43 100
58 28.3 33.1 49.7#

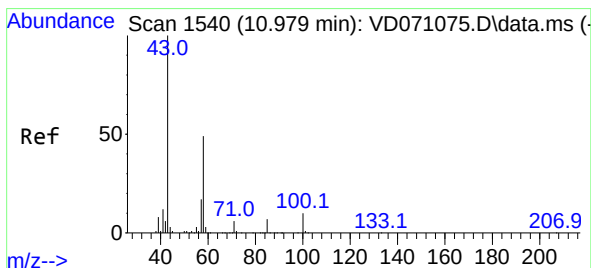
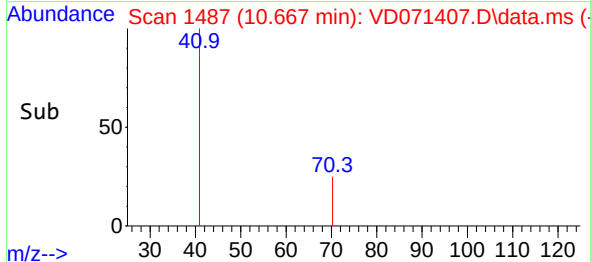
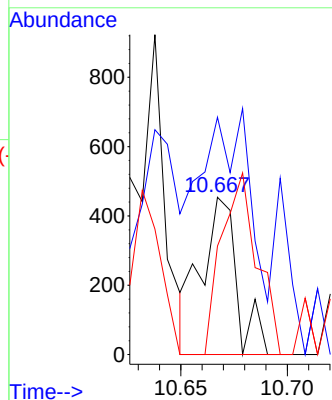
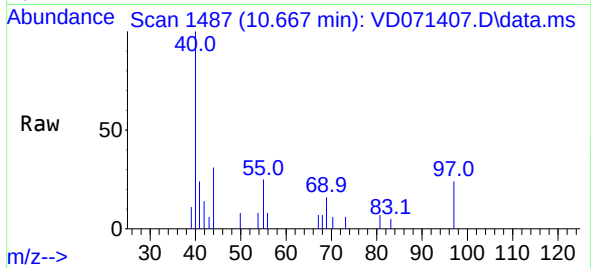




#56
Ethyl methacrylate
Concen: 6.056 ug/l
RT: 10.667 min Scan# 1485
Delta R.T. 0.011 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

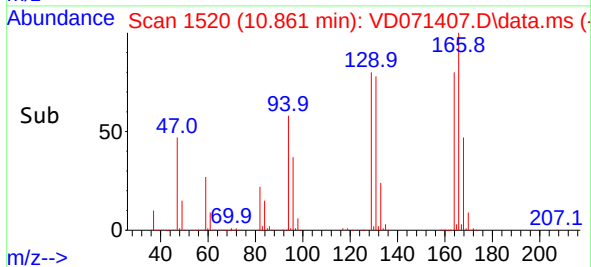
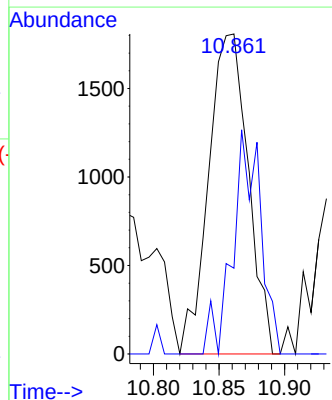
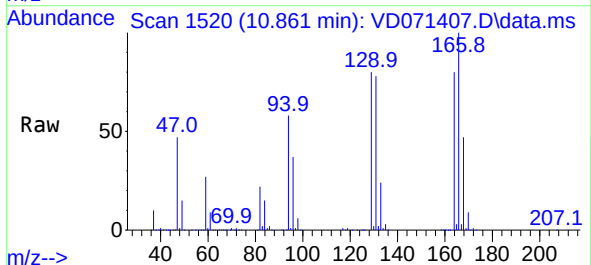
Instrument :
MSVOA_D
ClientSampleId :

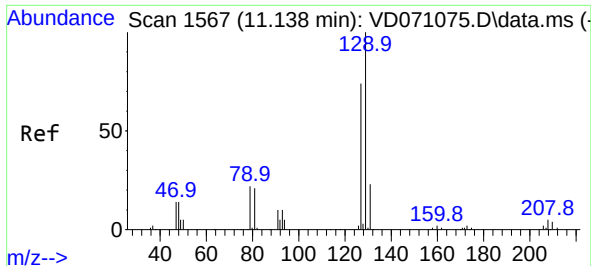
Tgt Ion: 69 Resp: 527
Ion Ratio Lower Upper
69 100
41 142.7 50.2 75.2#
39 115.9 19.8 29.8#



#59
2-Hexanone
Concen: 35.720 ug/l
RT: 10.861 min Scan# 1520
Delta R.T. -0.118 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Tgt Ion: 43 Resp: 3796
Ion Ratio Lower Upper
43 100
58 49.5 28.7 86.1

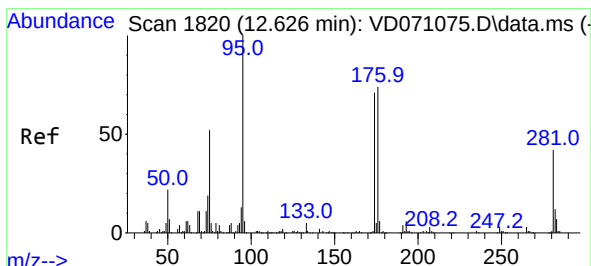
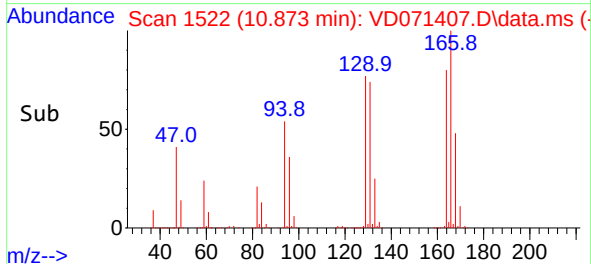
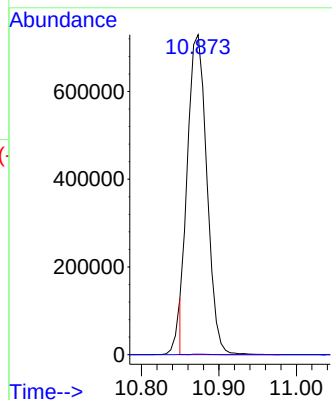
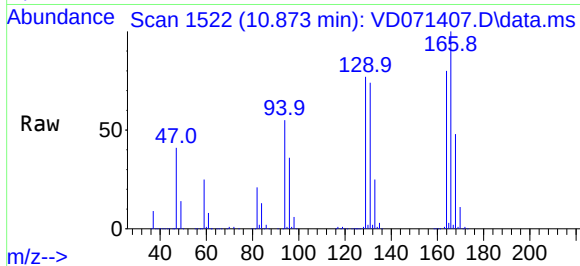




#60
Dibromochloromethane
Concen: 267.395 ug/l
RT: 10.873 min Scan# 11
Delta R.T. -0.265 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

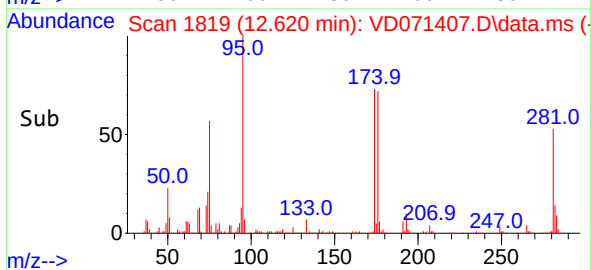
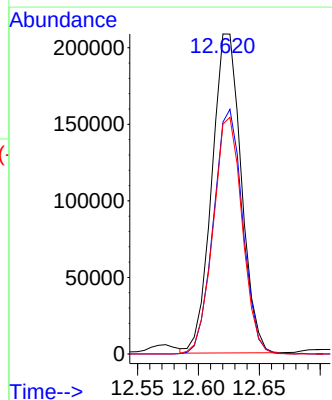
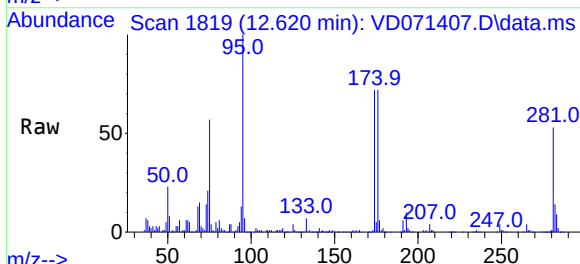
Instrument :
MSVOA_D
ClientSampleId :

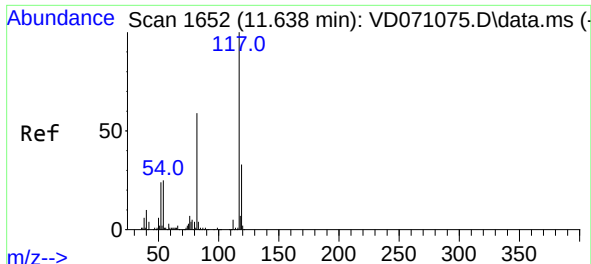
Tgt Ion:129 Resp: 1256257
Ion Ratio Lower Upper
129 100
127 0.1 38.9 116.6#



#62
4-Bromofluorobenzene
Concen: 50.062 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.006 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

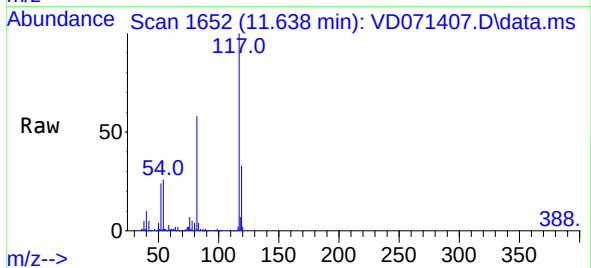
Tgt Ion: 95 Resp: 349829
Ion Ratio Lower Upper
95 100
174 75.9 0.0 159.4
176 73.3 0.0 154.0



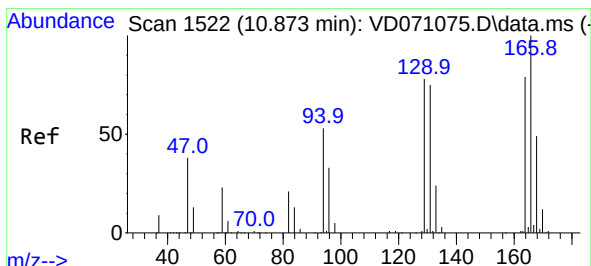
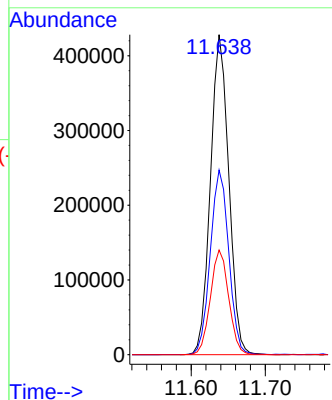
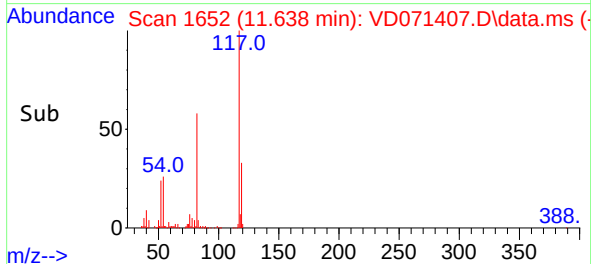


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

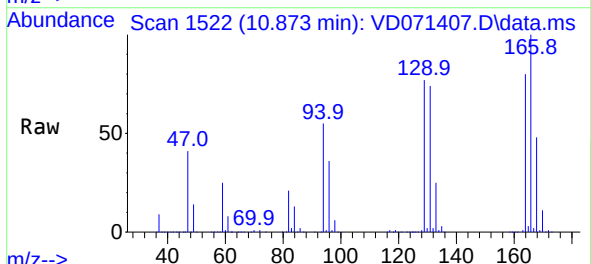
Instrument :
MSVOA_D
ClientSampleId :



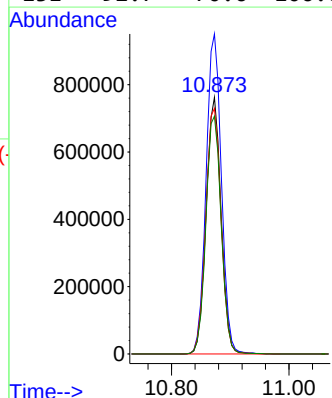
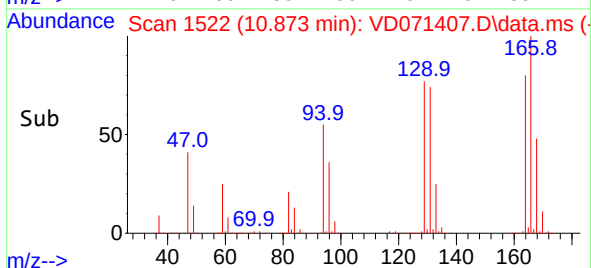
Tgt Ion:117 Resp: 734994
Ion Ratio Lower Upper
117 100
82 57.7 44.7 67.1
119 32.7 26.2 39.4

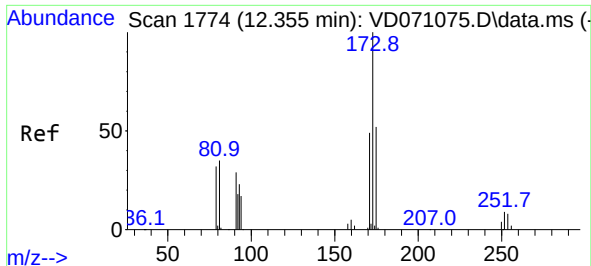


#64
Tetrachloroethene
Concen: 289.794 ug/l
RT: 10.873 min Scan# 1522
Delta R.T. 0.000 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29



Tgt Ion:164 Resp: 1352208
Ion Ratio Lower Upper
164 100
166 124.7 102.6 153.8
129 95.7 75.4 113.0
131 92.7 70.6 106.0

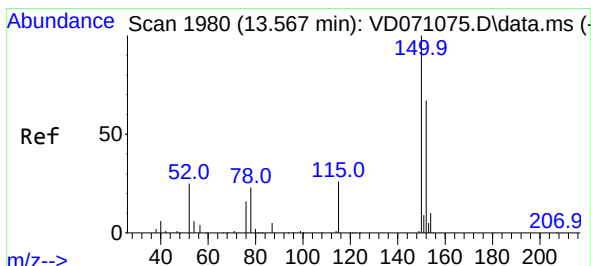
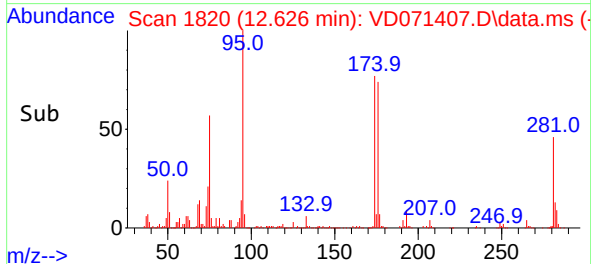
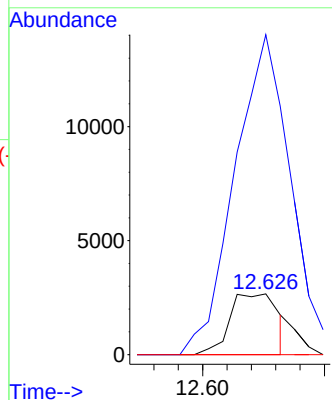
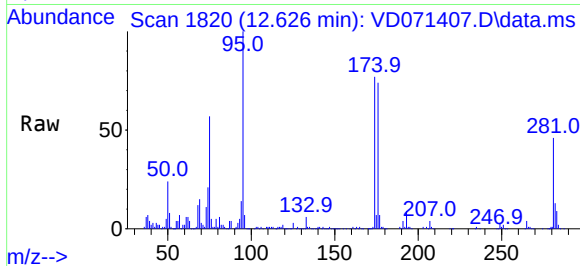




#71
Bromoform
Concen: 1.428 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

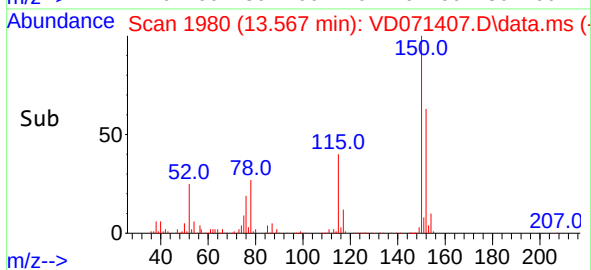
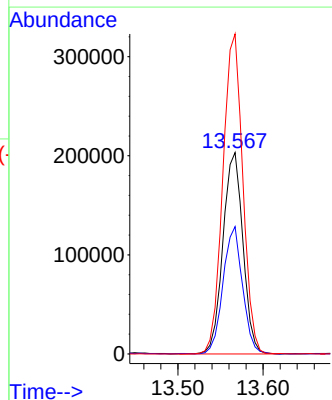
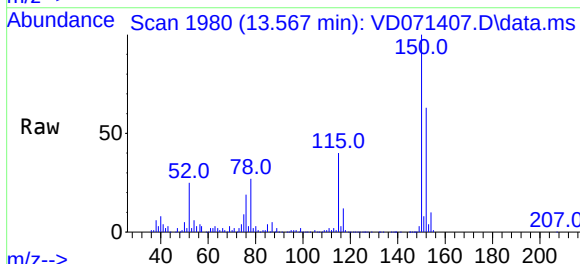
Instrument :
MSVOA_D
ClientSampleId :

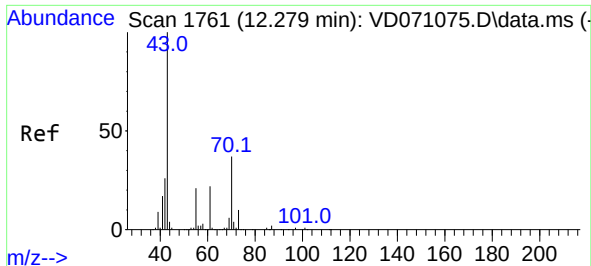
Tgt Ion:173 Resp: 3683
Ion Ratio Lower Upper
173 100
175 502.4 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

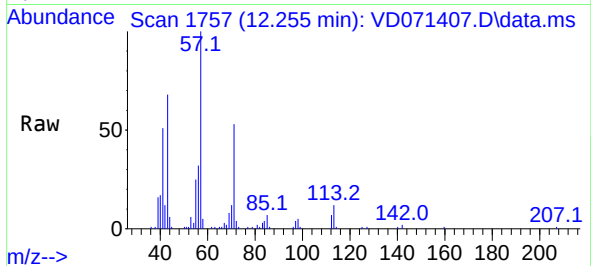
Tgt Ion:152 Resp: 331732
Ion Ratio Lower Upper
152 100
115 61.7 29.8 89.3
150 158.3 0.0 349.2





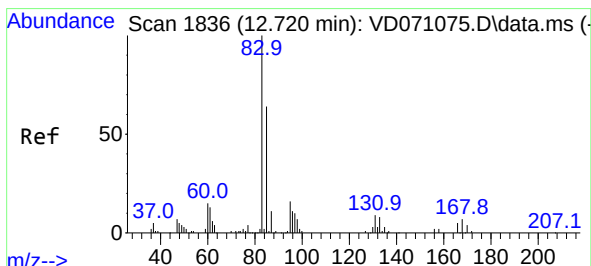
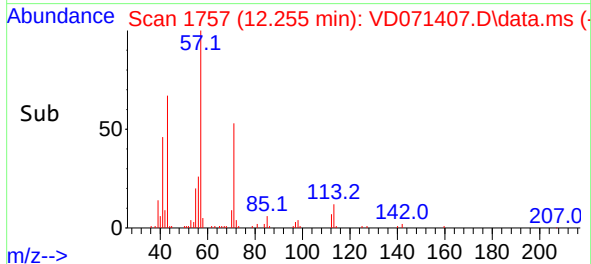
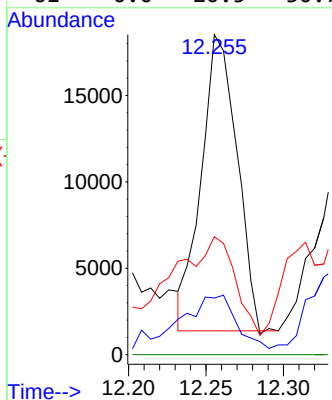
#74
N-amy1 acetate
Concen: 9.402 ug/l
RT: 12.255 min Scan# 1757
Delta R.T. -0.024 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 43 Resp: 27472

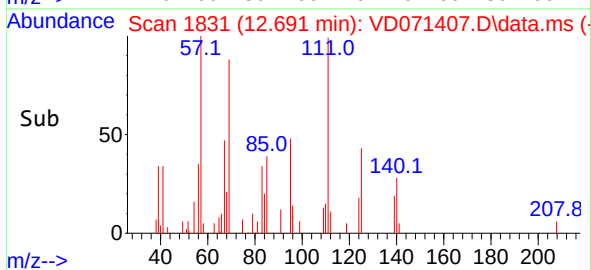
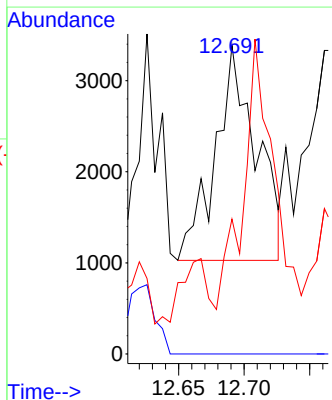
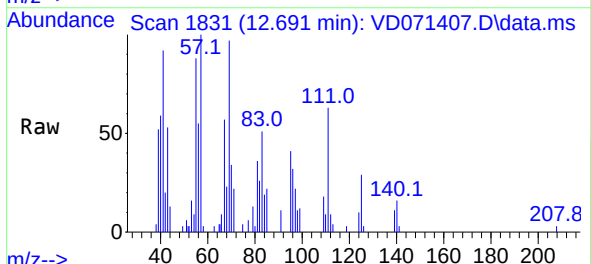
Ion	Ratio	Lower	Upper
43	100		
70	28.5	36.6	55.0#
55	56.0	22.5	33.7#
61	0.0	20.5	30.7#

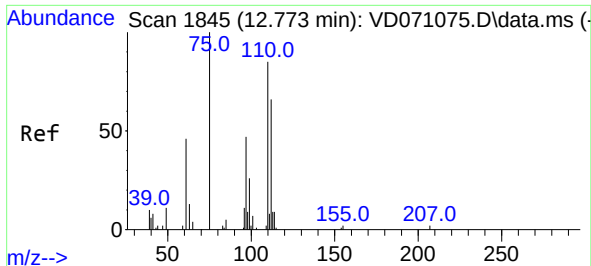


#75
1,1,2,2-Tetrachloroethane
Concen: 1.299 ug/l
RT: 12.691 min Scan# 1831
Delta R.T. -0.029 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Tgt Ion: 83 Resp: 5137

Ion	Ratio	Lower	Upper
83	100		
131	0.0	4.9	14.7#
85	101.0	32.0	96.2#

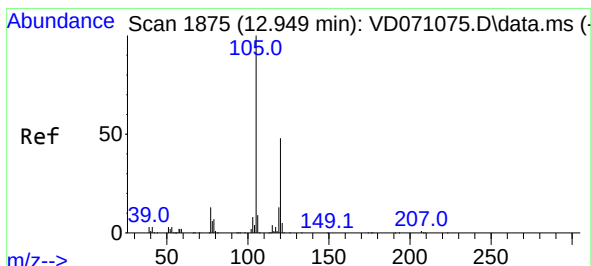
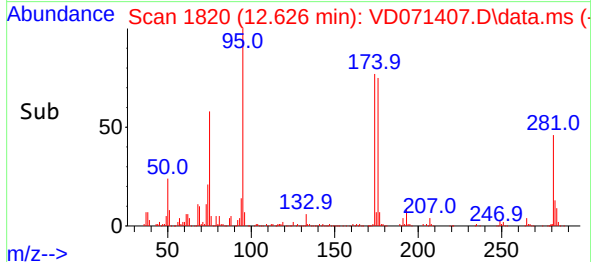
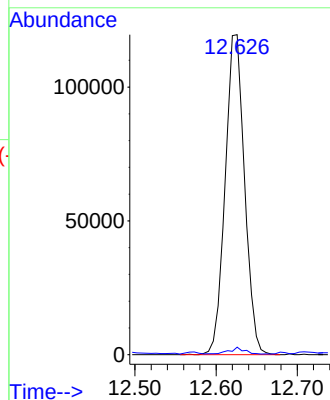
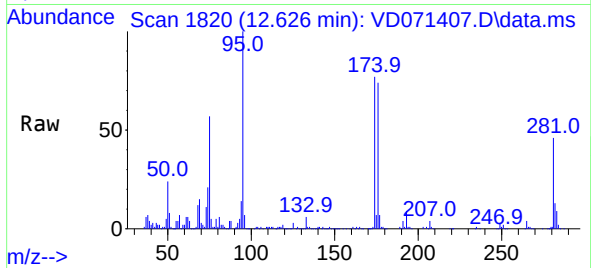




#76
1,2,3-Trichloropropane
Concen: 62.891 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

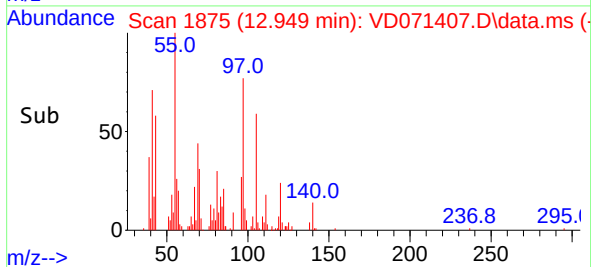
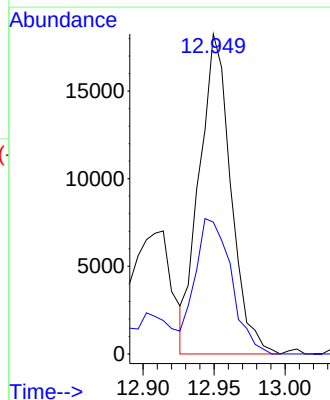
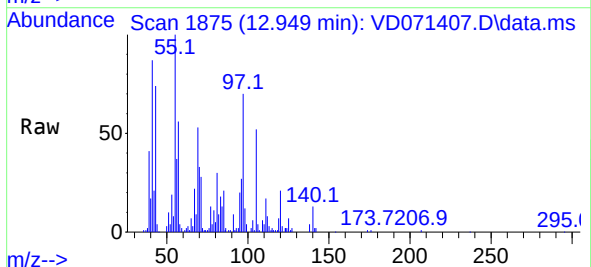
Instrument :
MSVOA_D
ClientSampleId :

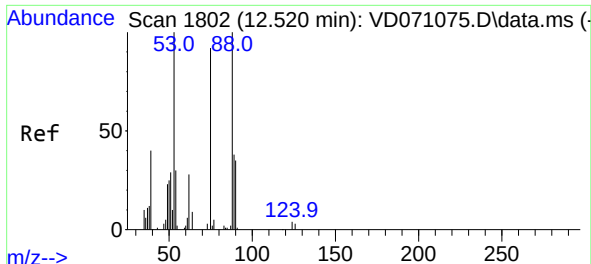
Tgt Ion: 75 Resp: 198773
Ion Ratio Lower Upper
75 100
77 1.6 158.4 475.3#



#80
1,3,5-Trimethylbenzene
Concen: 1.418 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Tgt Ion:105 Resp: 28085
Ion Ratio Lower Upper
105 100
120 48.6 24.6 73.8

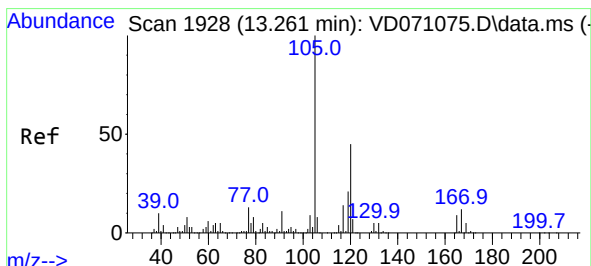
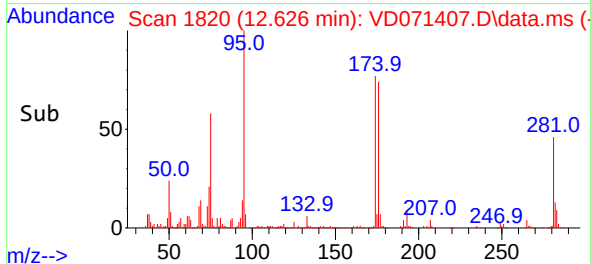
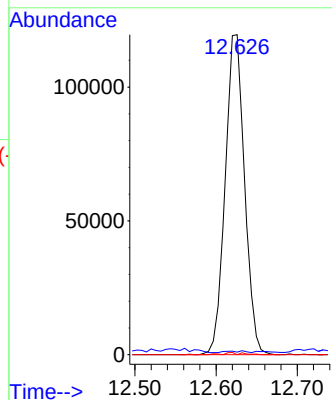
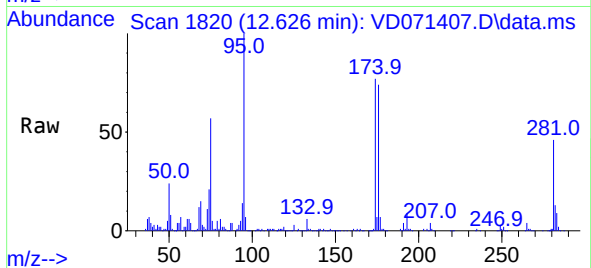




#81
trans-1,4-Dichloro-2-butene
Concen: 135.885 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

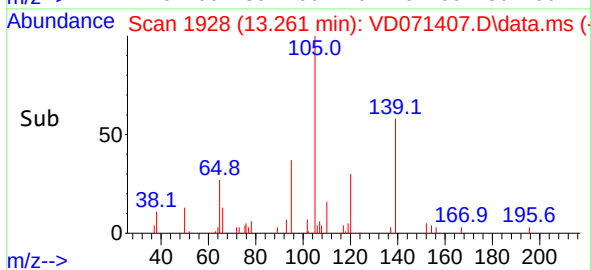
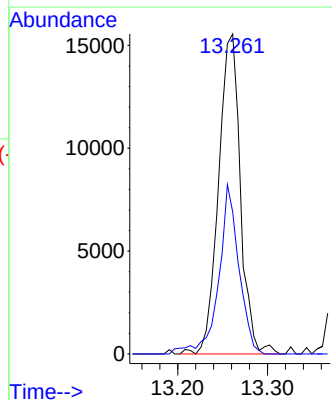
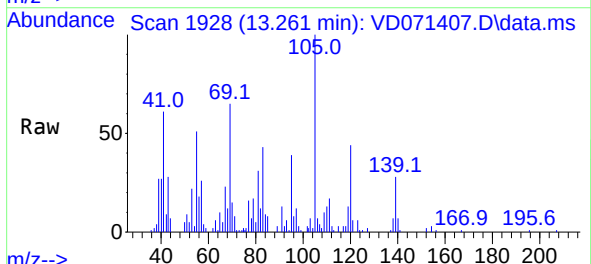
Instrument :
MSVOA_D
ClientSampleId :

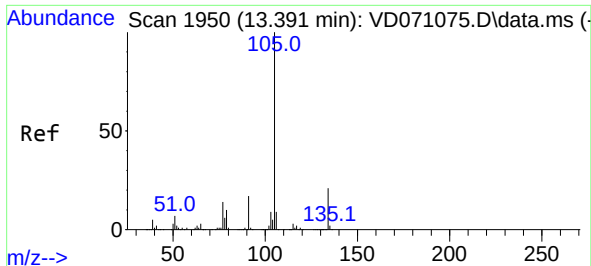
Tgt Ion: 75 Resp: 198773
Ion Ratio Lower Upper
75 100
53 0.3 62.6 94.0#
89 0.4 34.5 51.7#



#84
1,2,4-Trimethylbenzene
Concen: 1.363 ug/l
RT: 13.261 min Scan# 1928
Delta R.T. 0.000 min
Lab File: VD071407.D
Acq: 21 Dec 2021 13:29

Tgt Ion:105 Resp: 26349
Ion Ratio Lower Upper
105 100
120 48.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 1.016 ug/l

RT: 13.391 min Scan# 1950

Delta R.T. -0.000 min

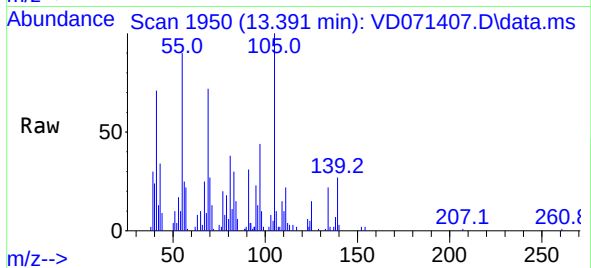
Lab File: VD071407.D

Acq: 21 Dec 2021 13:29

Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:105 Resp: 26400

Ion Ratio Lower Upper

105 100

134 29.9 9.7 28.9#

