

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071413.D
 Acq On : 21 Dec 2021 16:25
 Operator : VA/SY
 Sample : M5184-05
 Misc : 7.15G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 19:09:11 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

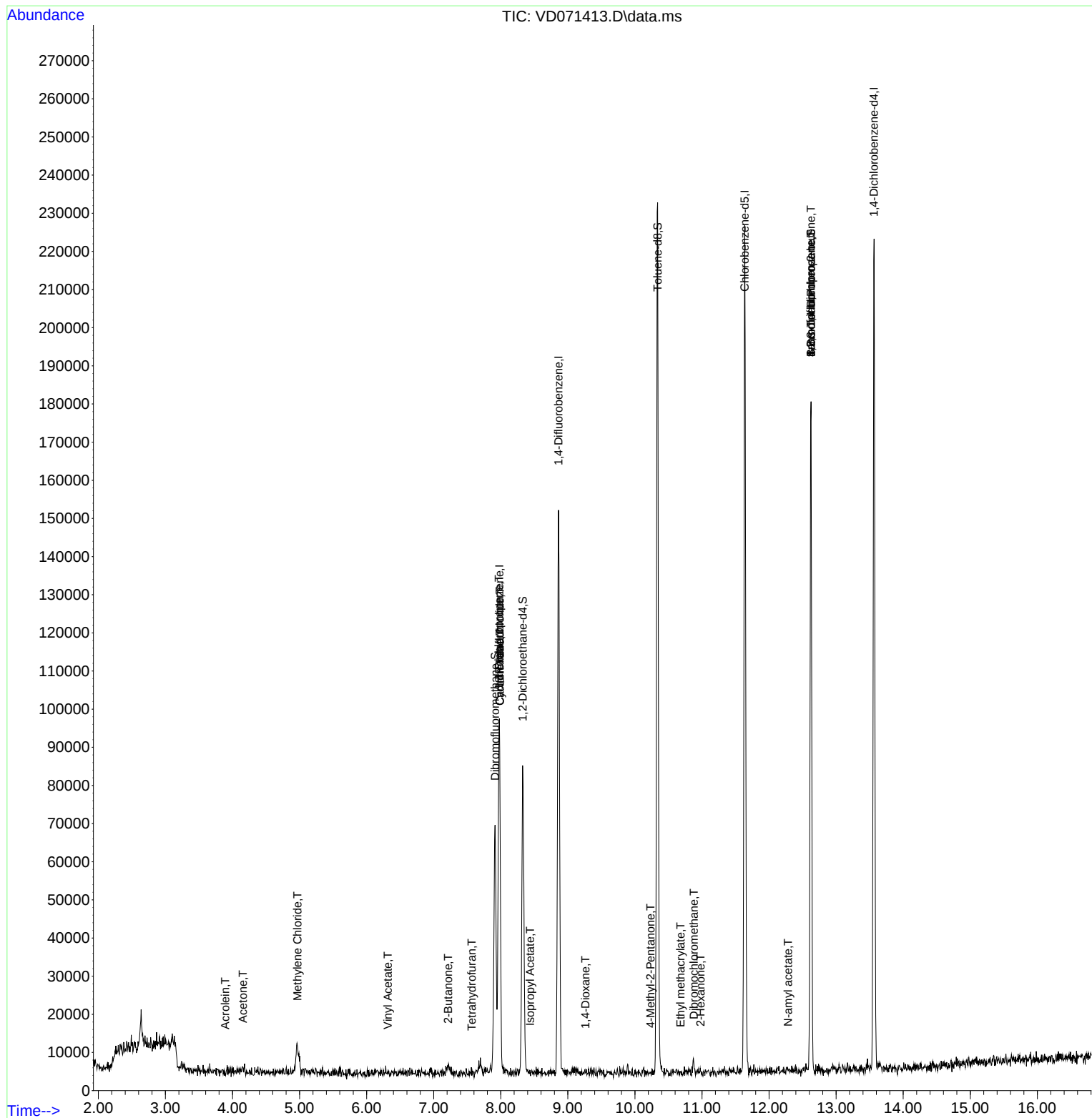
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.979	168	65103	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	114998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	114179	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	52159	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	62027	81.197	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 162.400%	
35) Dibromofluoromethane	7.914	113	44253	60.431	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.860%	
50) Toluene-d8	10.338	98	147745	53.017	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.040%	
62) 4-Bromofluorobenzene	12.626	95	51566	53.381	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.760%	
Target Compounds						Qvalue
11) Tert butyl alcohol	5.203	59	305	Below Cal	#	71
13) Acrolein	3.891	56	77	1.475	ug/l #	13
16) Acetone	4.156	43	1698	38.136	ug/l #	40
20) Methylene Chloride	4.967	84	5632	3.415	ug/l	96
23) Vinyl Acetate	6.314	43	78	27.274	ug/l #	72
25) 2-Butanone	7.214	43	222	29.199	ug/l #	45
29) Tetrahydrofuran	7.567	42	230	1.896	ug/l #	34
31) Cyclohexane	7.985	56	2318	1.784	ug/l #	66
36) 1,1-Dichloropropene	7.973	75	6801	6.328	ug/l #	44
38) Carbon Tetrachloride	7.985	117	7587	7.161	ug/l #	12
41) Methacrylonitrile	7.556	41	446	Below Cal	#	43
43) Isopropyl Acetate	8.438	43	59	5.275	ug/l #	47
49) 1,4-Dioxane	9.261	88	65	16.904	ug/l #	23
51) 4-Methyl-2-Pentanone	10.232	43	138	30.883	ug/l #	34
56) Ethyl methacrylate	10.679	69	87	6.072	ug/l #	75
59) 2-Hexanone	10.979	43	154	34.910	ug/l #	22
60) Dibromochloromethane	10.879	129	852	1.312	ug/l #	11
71) Bromoform	12.626	173	421	1.051	ug/l #	1
74) N-amyl acetate	12.285	43	130	5.812	ug/l #	40
76) 1,2,3-Trichloropropane	12.626	75	31321	63.027	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	31321	136.166	ug/l #	18

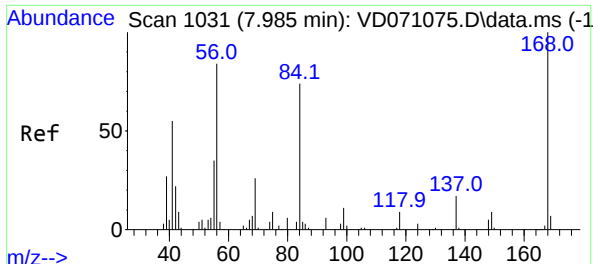
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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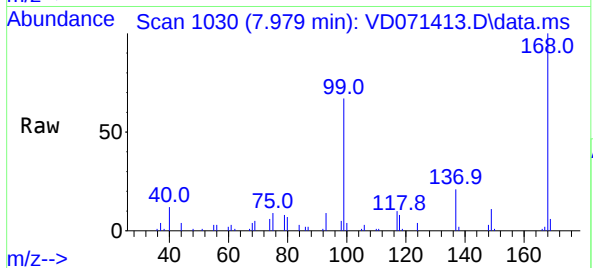
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D112921S.M
Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration



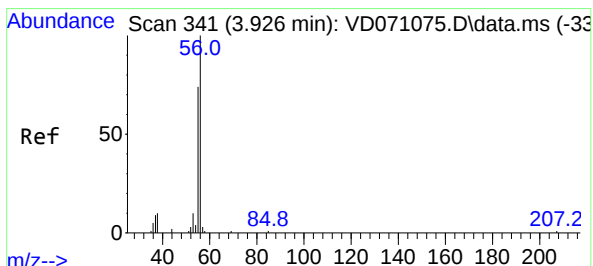
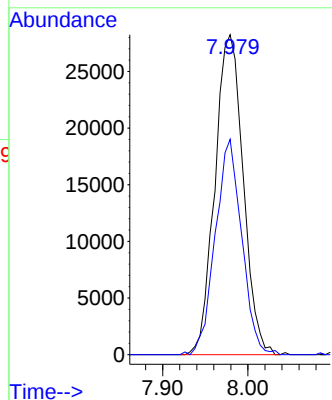
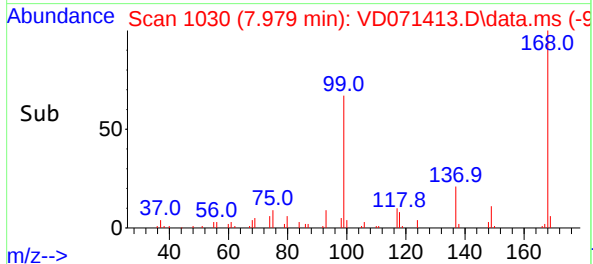


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1031
Delta R.T. -0.006 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

Instrument :
MSVOA_D
ClientSampleId :

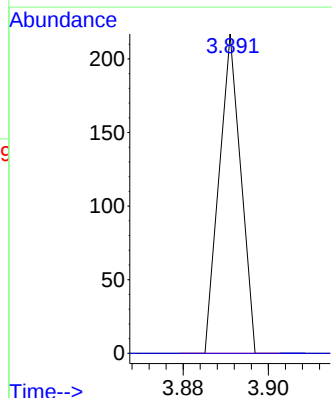
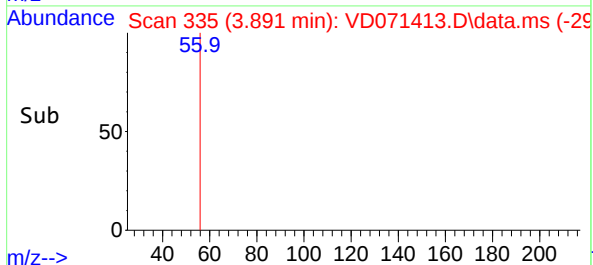
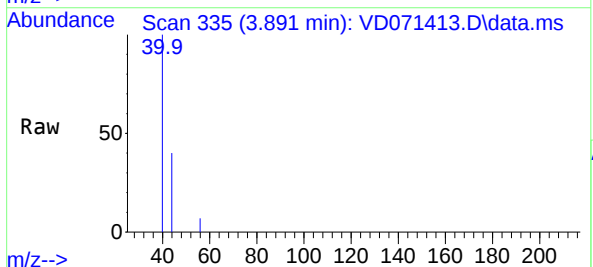


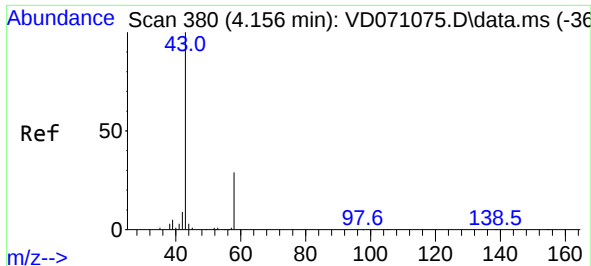
Tgt Ion:168 Resp: 65103
Ion Ratio Lower Upper
168 100
99 67.3 46.6 69.8



#13
Acrolein
Concen: 1.475 ug/l
RT: 3.891 min Scan# 335
Delta R.T. -0.035 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

Tgt Ion: 56 Resp: 77
Ion Ratio Lower Upper
56 100
55 0.0 58.6 87.8#

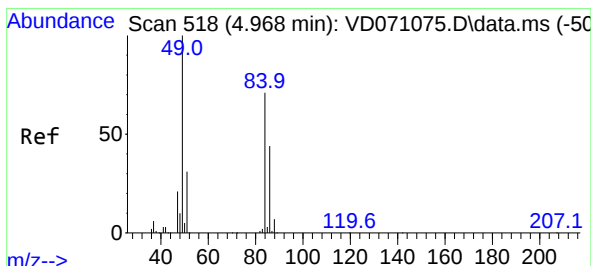
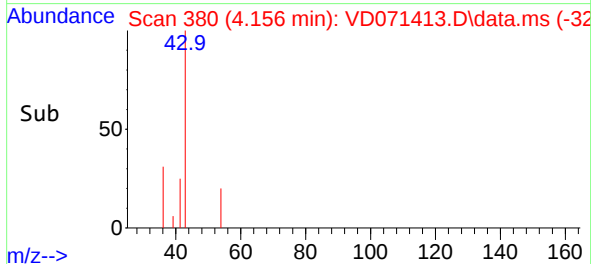
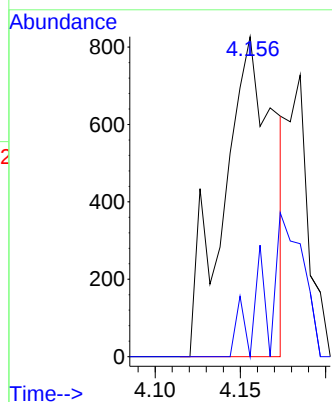
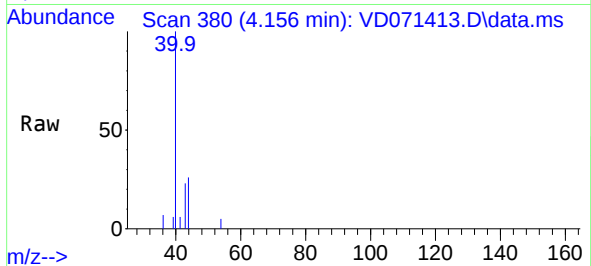




#16
Acetone
Concen: 38.136 ug/l
RT: 4.156 min Scan# 380
Delta R.T. -0.000 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

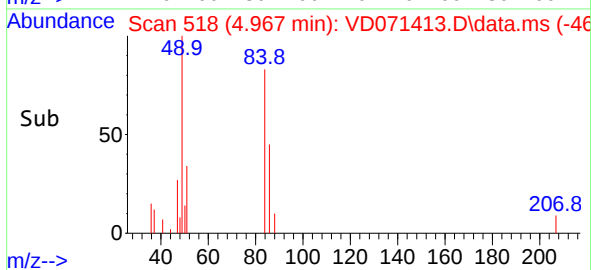
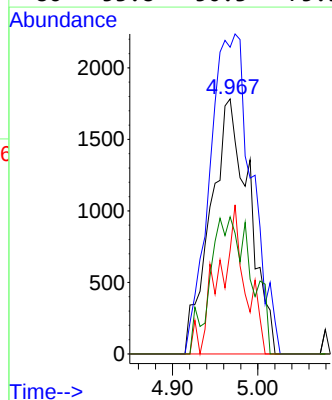
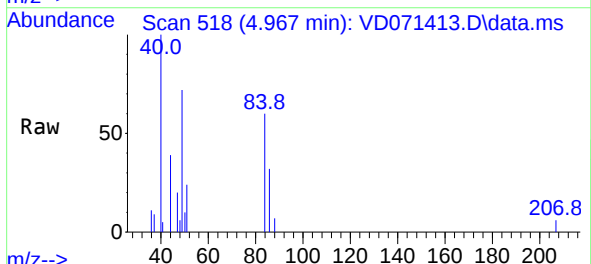
Instrument :
MSVOA_D
ClientSampleId :

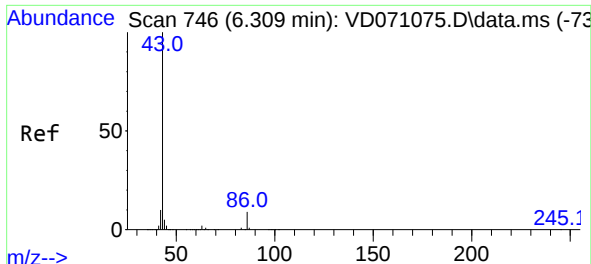
Tgt Ion: 43 Resp: 1698
Ion Ratio Lower Upper
43 100
58 0.0 27.8 41.8#



#20
Methylene Chloride
Concen: 3.415 ug/l
RT: 4.967 min Scan# 518
Delta R.T. -0.001 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

Tgt Ion: 84 Resp: 5632
Ion Ratio Lower Upper
84 100
49 120.2 95.8 143.6
51 40.6 30.9 46.3
86 53.8 50.3 75.5

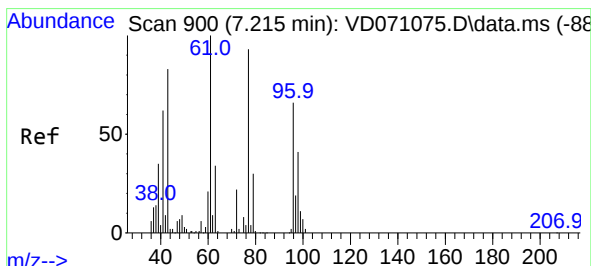
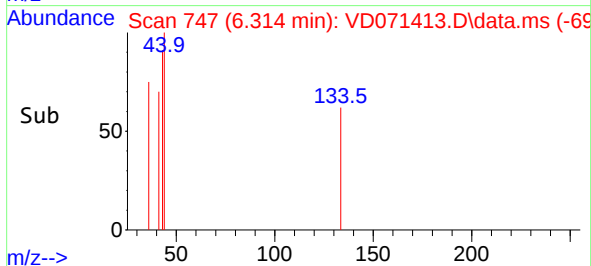
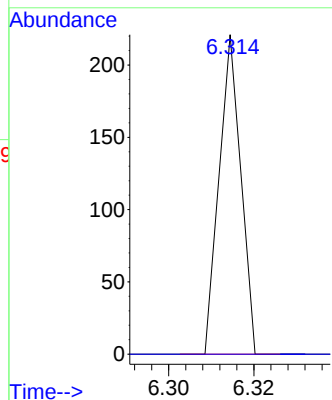
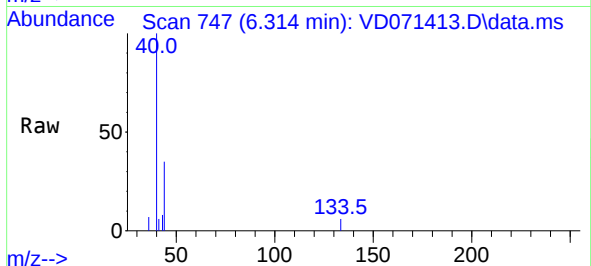




#23
 Vinyl Acetate
 Concen: 27.274 ug/l
 RT: 6.314 min Scan# 74
 Delta R.T. 0.005 min
 Lab File: VD071413.D
 Acq: 21 Dec 2021 16:25

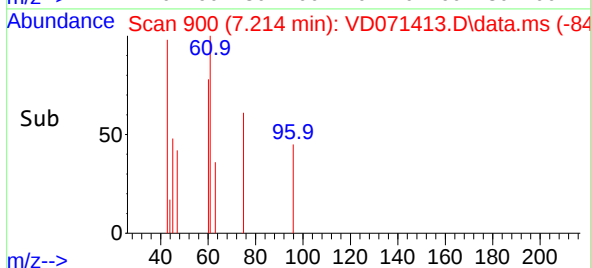
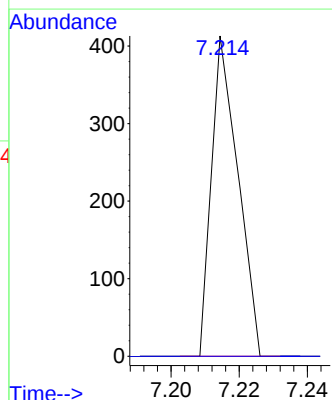
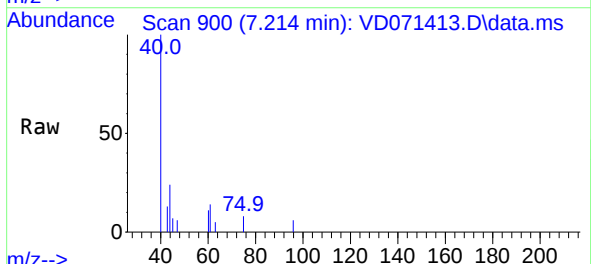
Instrument :
 MSVOA_D
 ClientSampleId :

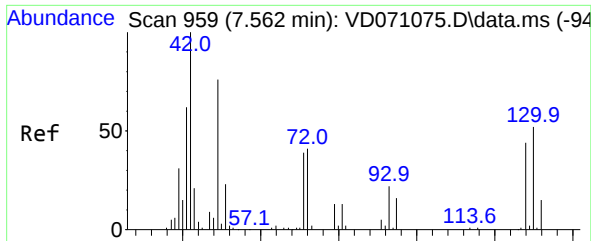
Tgt Ion: 43 Resp: 78
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 29.199 ug/l
 RT: 7.214 min Scan# 900
 Delta R.T. -0.001 min
 Lab File: VD071413.D
 Acq: 21 Dec 2021 16:25

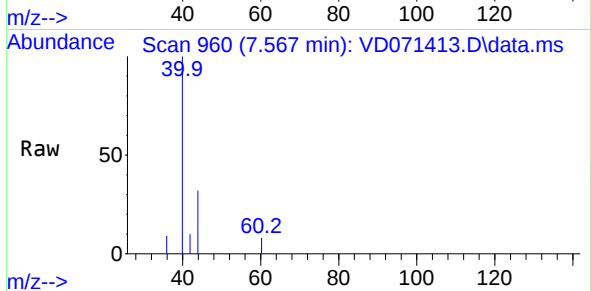
Tgt Ion: 43 Resp: 222
 Ion Ratio Lower Upper
 43 100
 72 0.0 23.8 35.6#



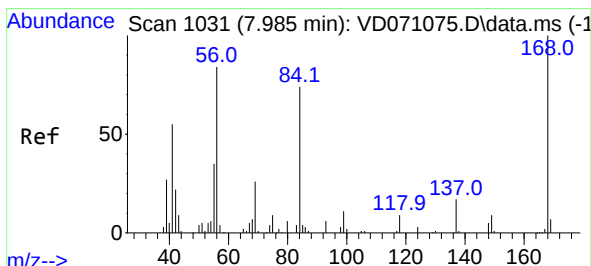
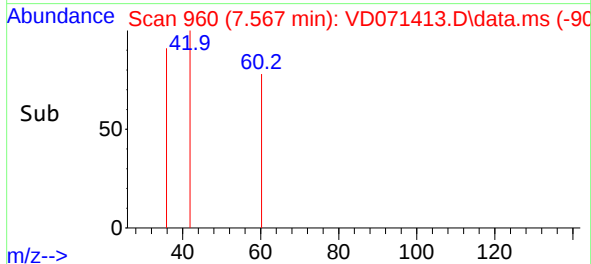
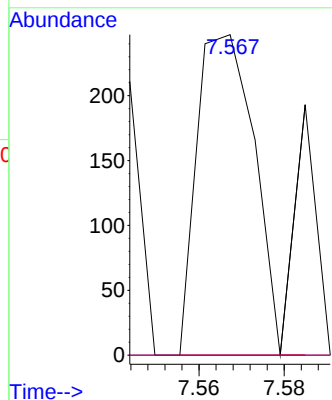


#29
Tetrahydrofuran
Concen: 1.896 ug/l
RT: 7.567 min Scan# 90
Delta R.T. 0.005 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

Instrument :
MSVOA_D
ClientSampleId :

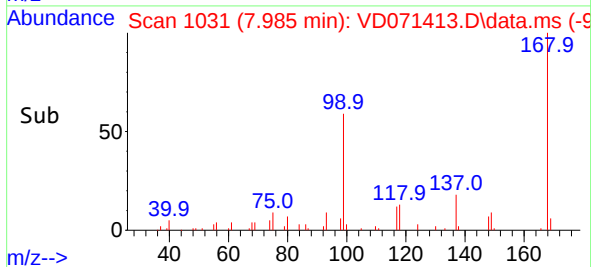
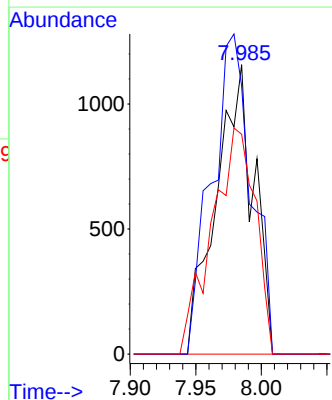
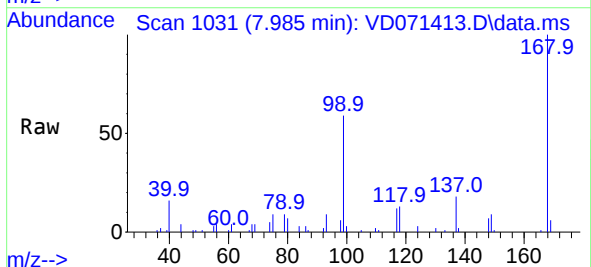


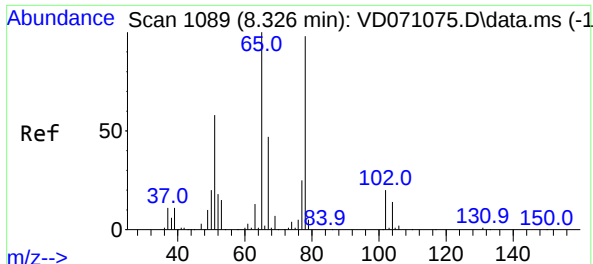
Tgt Ion: 42 Resp: 230
Ion Ratio Lower Upper
42 100
72 0.0 33.7 50.5#
71 0.0 32.7 49.1#



#31
Cyclohexane
Concen: 1.784 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.000 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

Tgt Ion: 56 Resp: 2318
Ion Ratio Lower Upper
56 100
69 92.7 25.9 38.9#
84 76.0 64.3 96.5

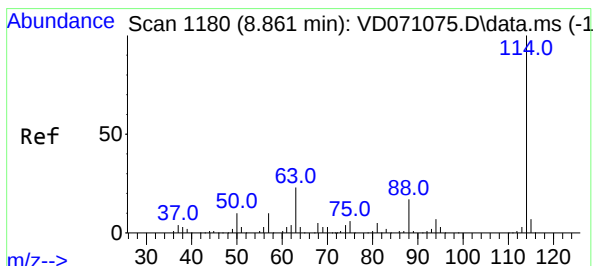
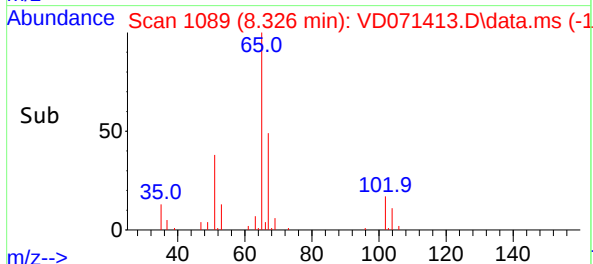
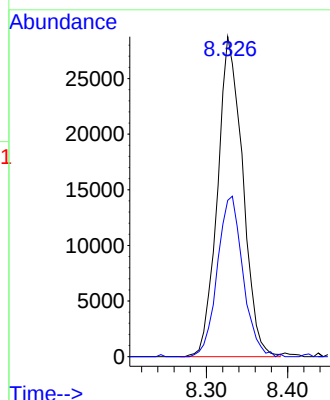
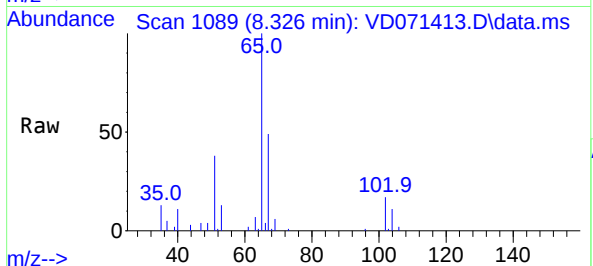




#33
1,2-Dichloroethane-d4
Concen: 81.197 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

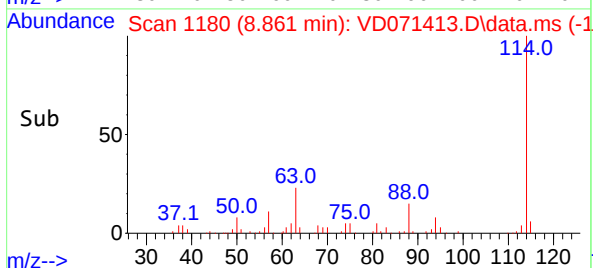
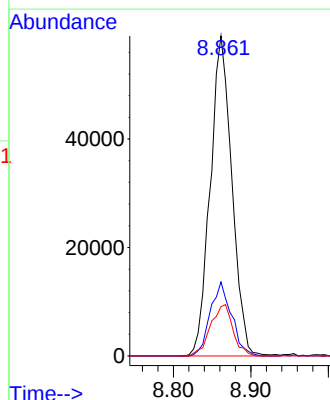
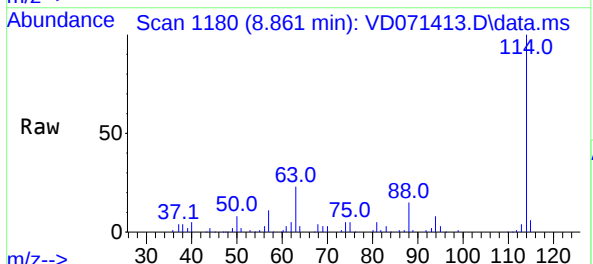
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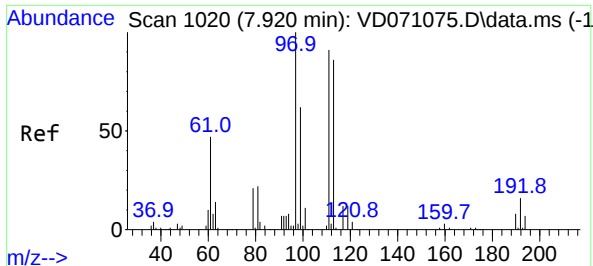
Tgt Ion: 65 Resp: 62027
Ion Ratio Lower Upper
65 100
67 51.0 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

Tgt Ion: 114 Resp: 114998
Ion Ratio Lower Upper
114 100
63 23.1 0.0 41.8
88 15.4 0.0 32.8

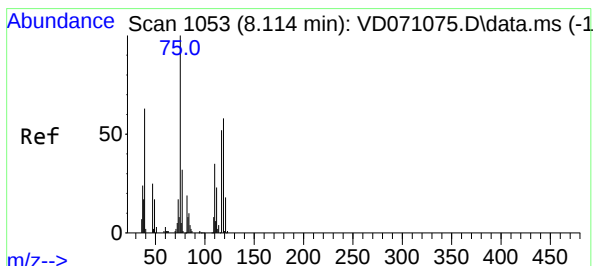
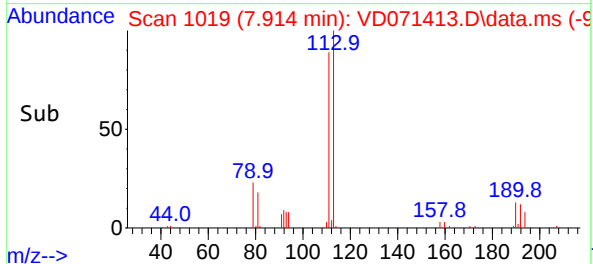
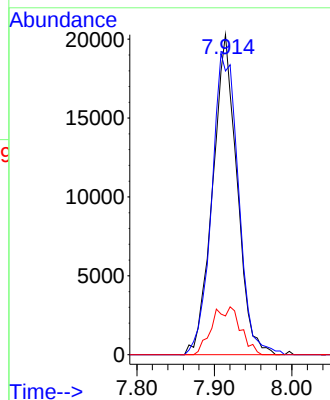
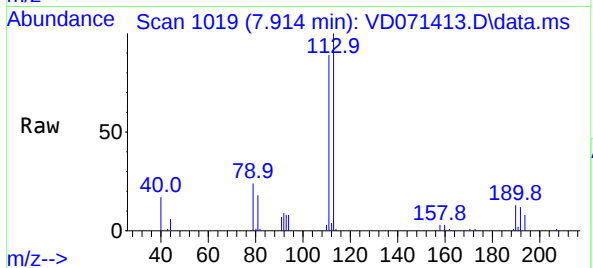




#35
Dibromofluoromethane
Concen: 60.431 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

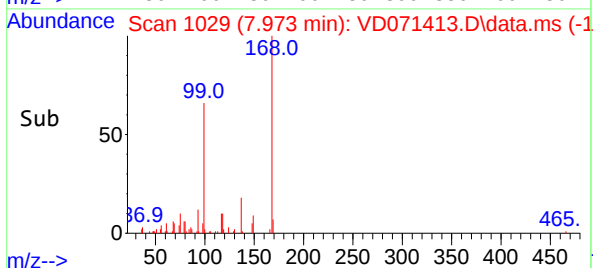
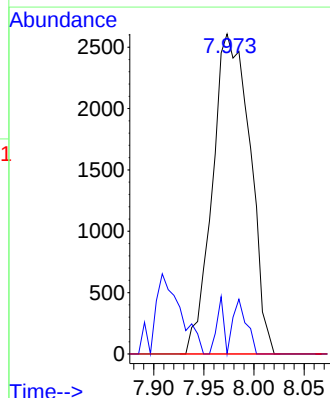
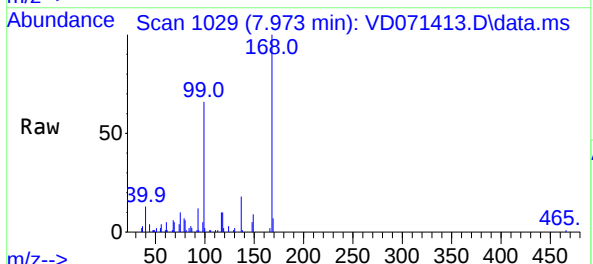
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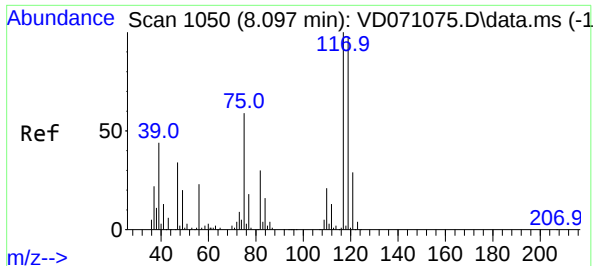
Tgt Ion:113 Resp: 44253
Ion Ratio Lower Upper
113 100
111 103.3 82.0 123.0
192 17.6 15.2 22.8



#36
1,1-Dichloropropene
Concen: 6.328 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

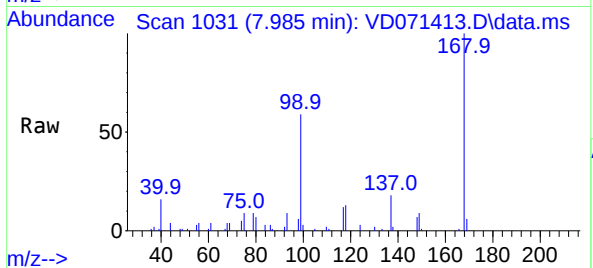
Tgt Ion: 75 Resp: 6801
Ion Ratio Lower Upper
75 100
110 3.3 17.8 53.4#
77 0.0 24.8 37.2#



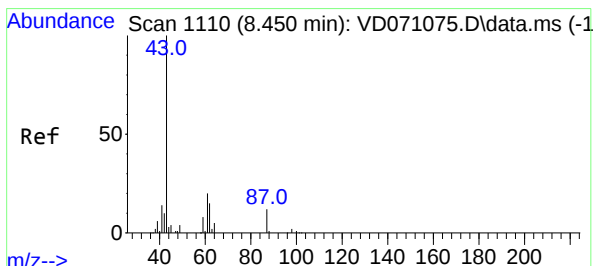
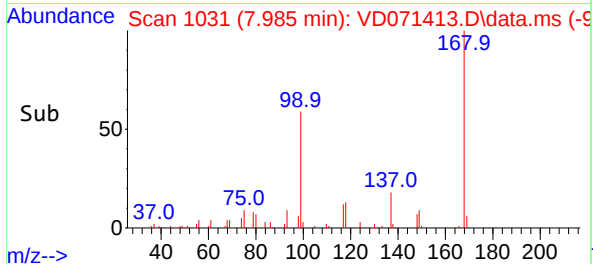
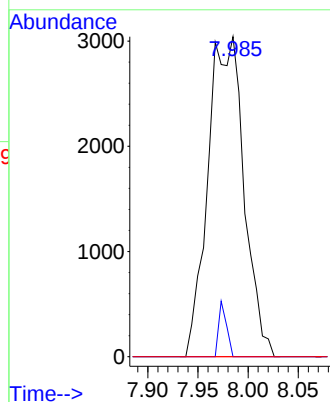


#38
Carbon Tetrachloride
Concen: 7.161 ug/l
RT: 7.985 min Scan# 1108
Delta R.T. -0.112 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

Instrument :
MSVOA_D
ClientSampleId :

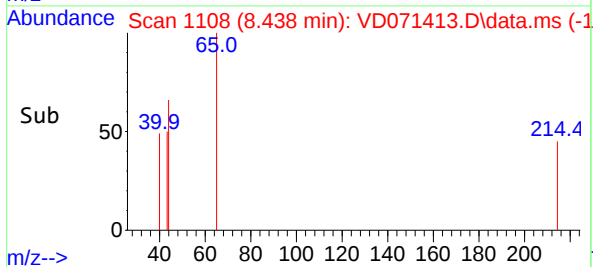
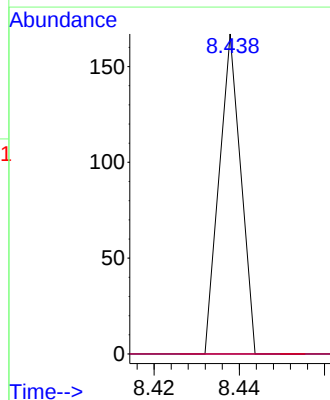
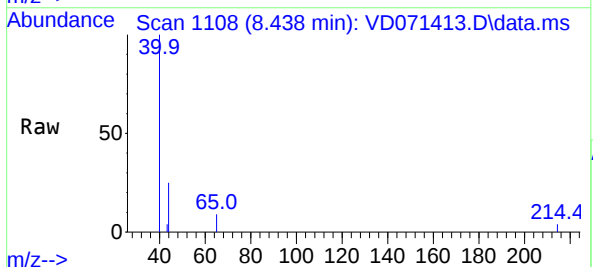


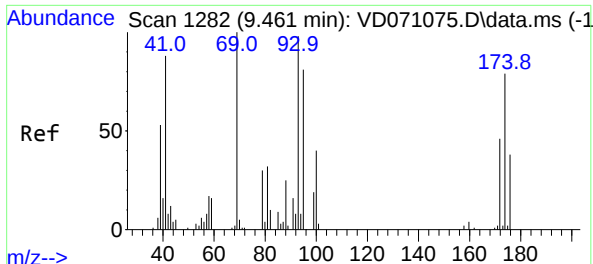
Tgt Ion:117 Resp: 7587
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#



#43
Isopropyl Acetate
Concen: 5.275 ug/l
RT: 8.438 min Scan# 1108
Delta R.T. -0.012 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

Tgt Ion: 43 Resp: 59
Ion Ratio Lower Upper
43 100
61 0.0 28.2 42.4#
87 0.0 10.7 16.1#





#49

1,4-Dioxane

Concen: 16.904 ug/l

RT: 9.261 min Scan# 1282

Delta R.T. -0.200 min

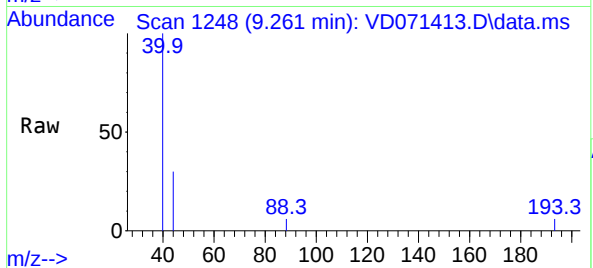
Lab File: VD071413.D

Acq: 21 Dec 2021 16:25

Instrument :

MSVOA_D

ClientSampleId :



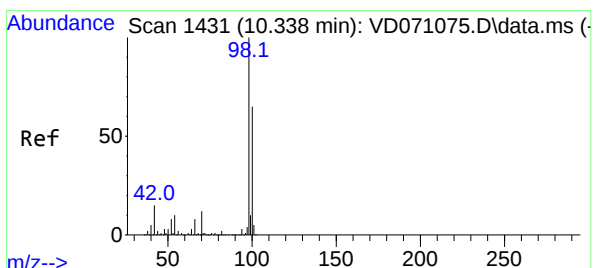
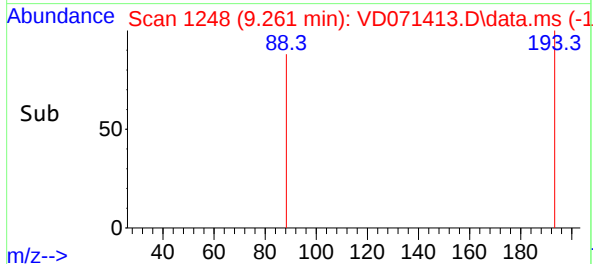
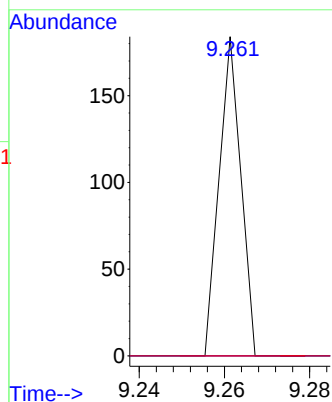
Tgt Ion: 88 Resp: 65

Ion Ratio Lower Upper

88 100

43 0.0 28.9 43.3#

58 0.0 56.3 84.5#



#50

Toluene-d8

Concen: 53.017 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071413.D

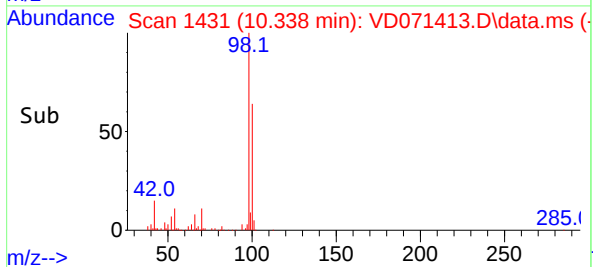
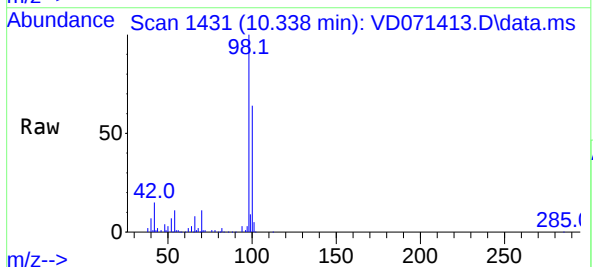
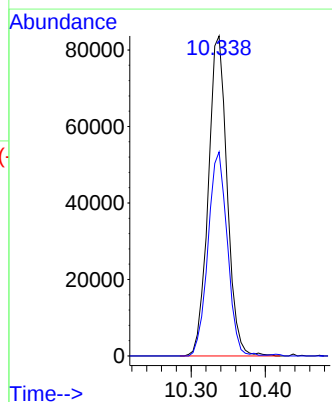
Acq: 21 Dec 2021 16:25

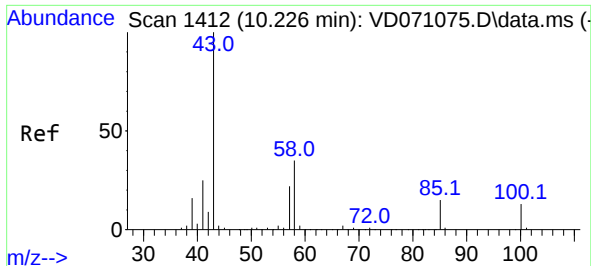
Tgt Ion: 98 Resp: 147745

Ion Ratio Lower Upper

98 100

100 65.3 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 30.883 ug/l

RT: 10.232 min Scan# 1413

Delta R.T. 0.006 min

Lab File: VD071413.D

Acq: 21 Dec 2021 16:25

Instrument :

MSVOA_D

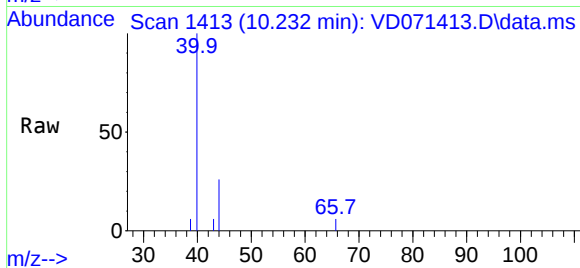
ClientSampleId :

Tgt Ion: 43 Resp: 138

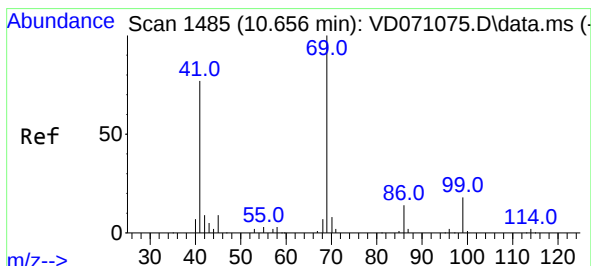
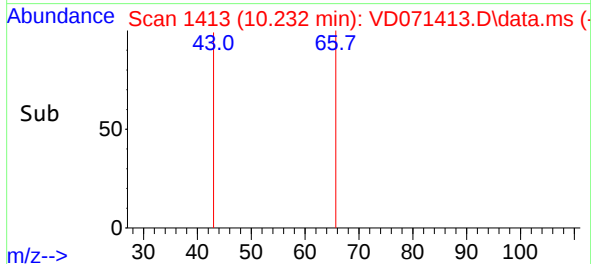
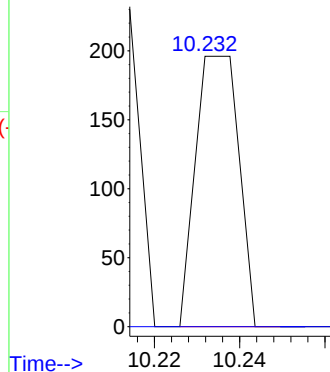
Ion Ratio Lower Upper

43 100

58 0.0 33.1 49.7#



Abundance



#56

Ethyl methacrylate

Concen: 6.072 ug/l

RT: 10.679 min Scan# 1489

Delta R.T. 0.023 min

Lab File: VD071413.D

Acq: 21 Dec 2021 16:25

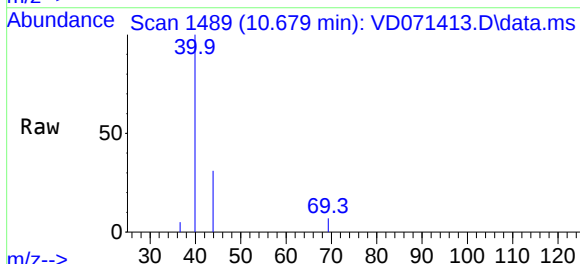
Tgt Ion: 69 Resp: 87

Ion Ratio Lower Upper

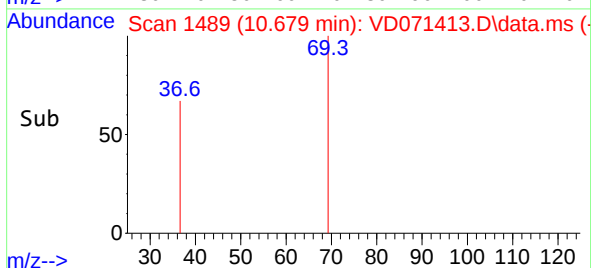
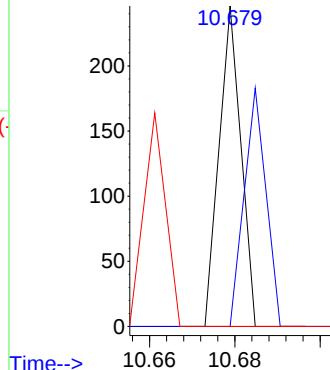
69 100

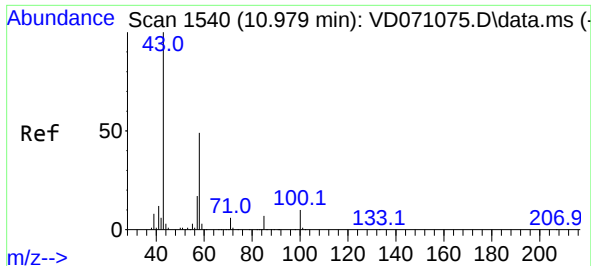
41 74.7 50.2 75.2

39 0.0 19.8 29.8#



Abundance

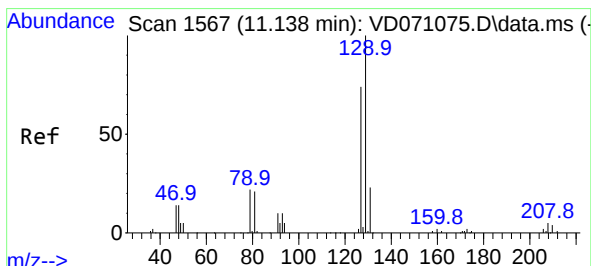
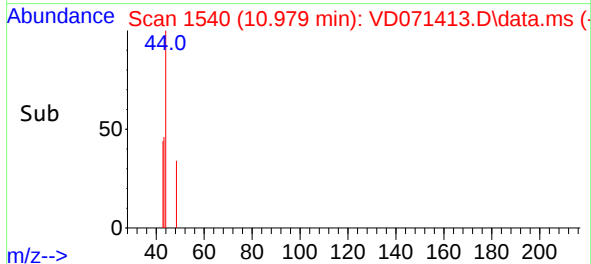
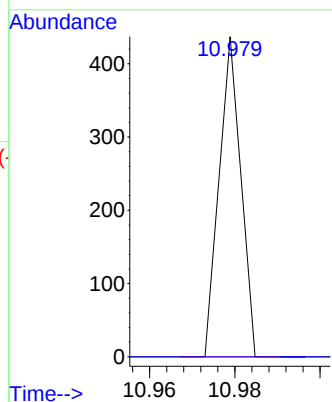
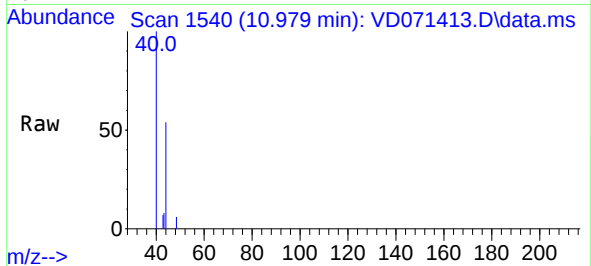




#59
2-Hexanone
Concen: 34.910 ug/l
RT: 10.979 min Scan# 1540
Delta R.T. -0.000 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

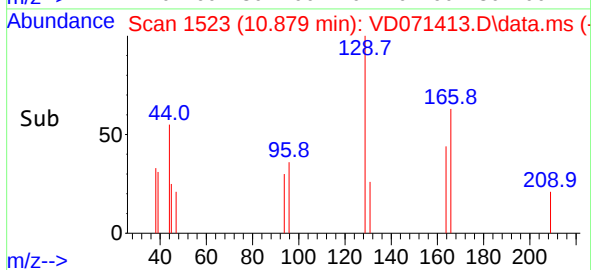
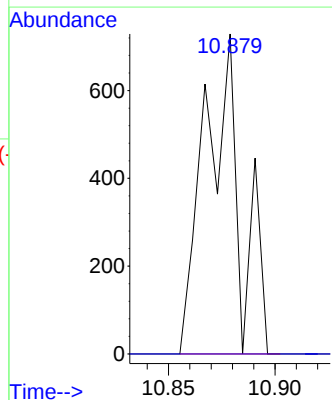
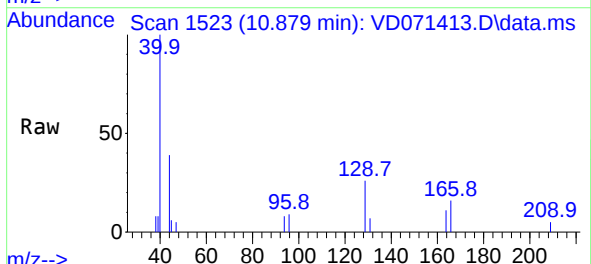
Instrument :
MSVOA_D
ClientSampleId :

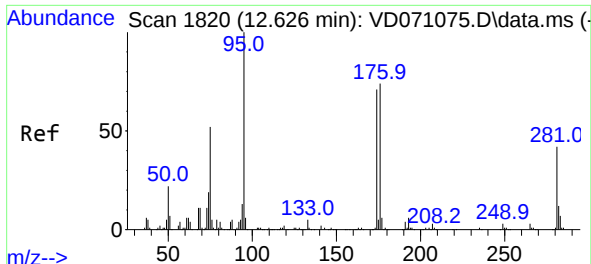
Tgt Ion: 43 Resp: 154
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#60
Dibromochloromethane
Concen: 1.312 ug/l
RT: 10.879 min Scan# 1523
Delta R.T. -0.259 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

Tgt Ion: 129 Resp: 852
Ion Ratio Lower Upper
129 100
127 0.0 38.9 116.6#

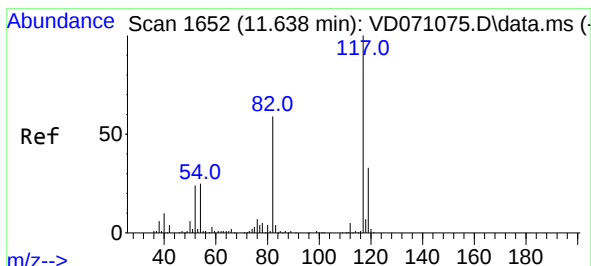
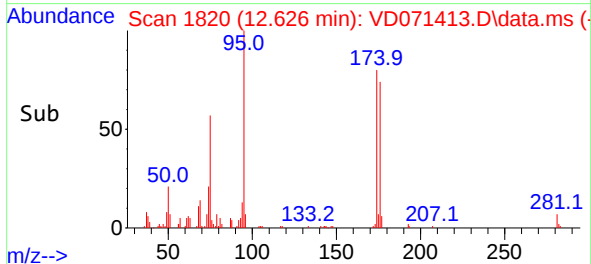
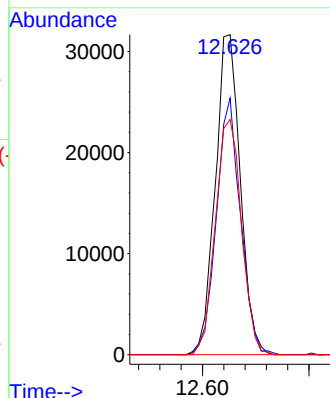
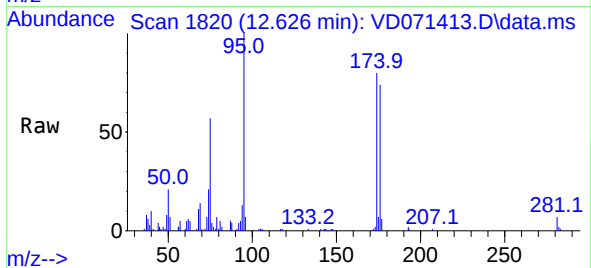




#62
4-Bromofluorobenzene
Concen: 53.381 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

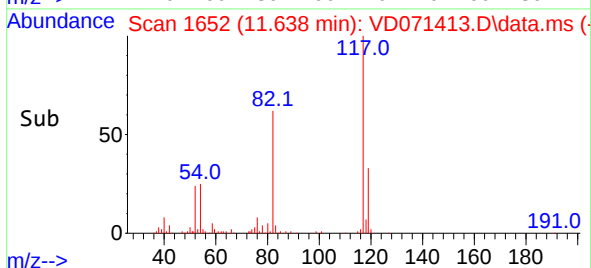
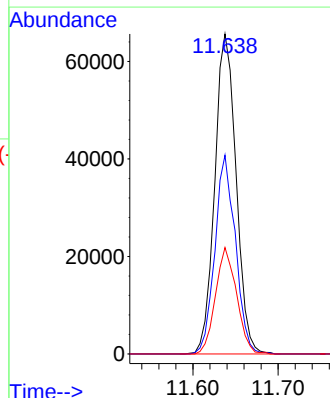
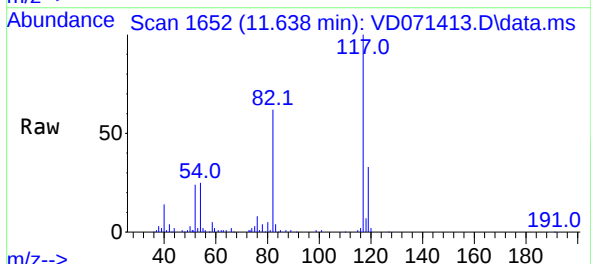
Instrument :
MSVOA_D
ClientSampleId :

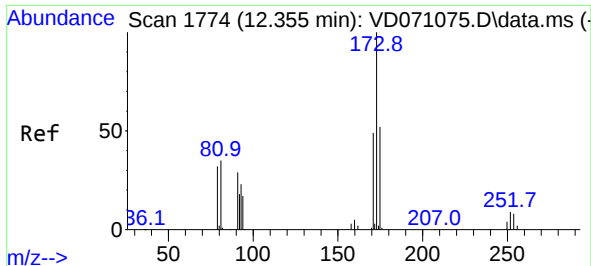
Tgt Ion:	95	Resp:	51566
Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	159.4
176	76.5	0.0	154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

Tgt Ion:	117	Resp:	114179
Ion	Ratio	Lower	Upper
117	100		
82	62.1	44.7	67.1
119	33.3	26.2	39.4

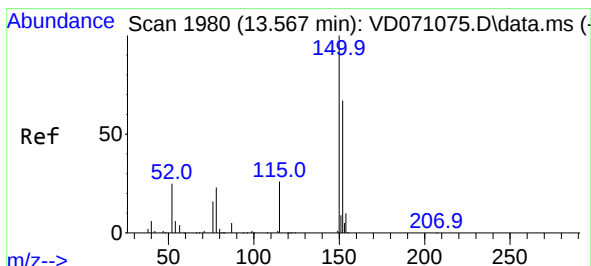
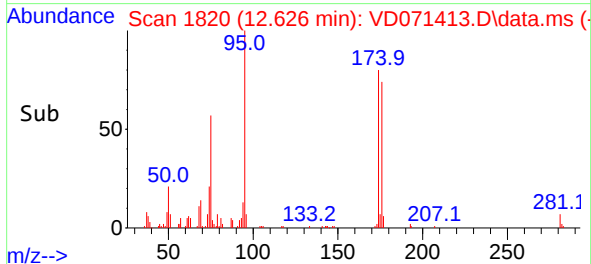
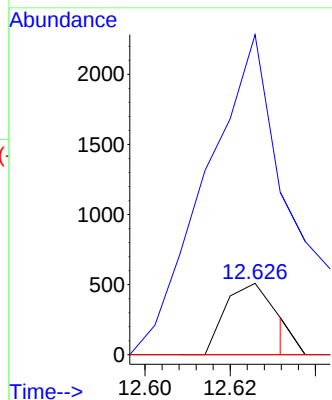
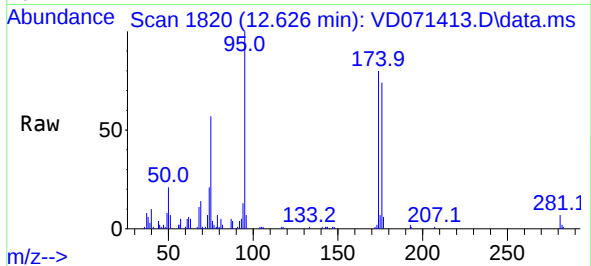




#71
Bromoform
Concen: 1.051 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

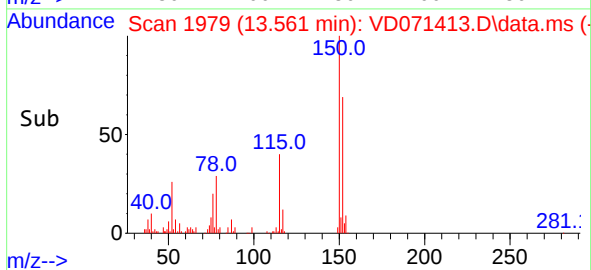
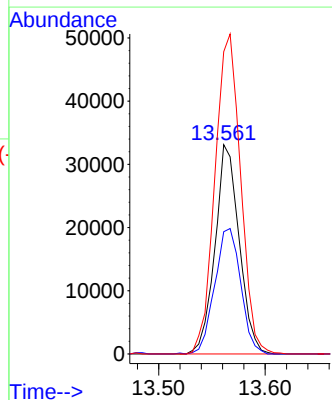
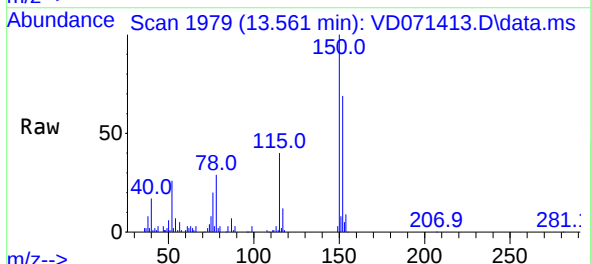
Instrument :
MSVOA_D
ClientSampleId :

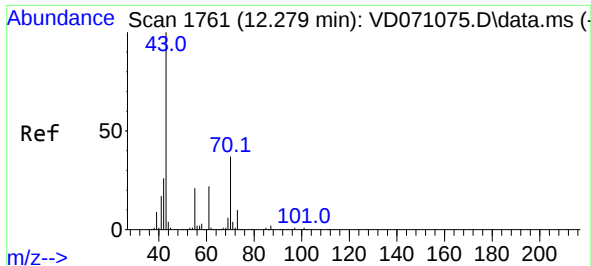
Tgt Ion:173 Resp: 421
Ion Ratio Lower Upper
173 100
175 617.8 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

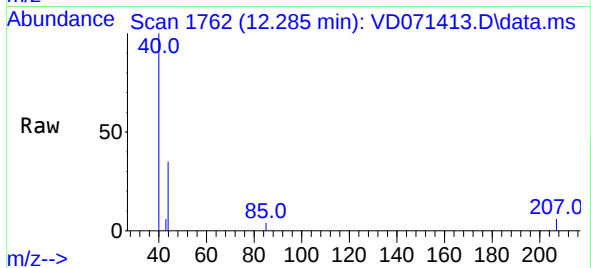
Tgt Ion:152 Resp: 52159
Ion Ratio Lower Upper
152 100
115 64.5 29.8 89.3
150 162.5 0.0 349.2



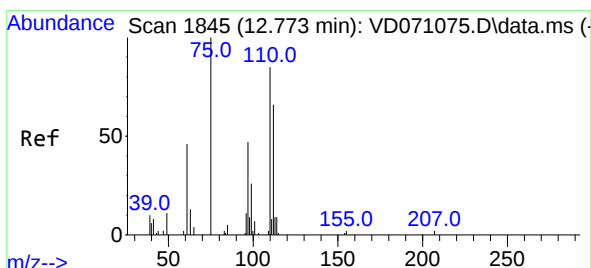
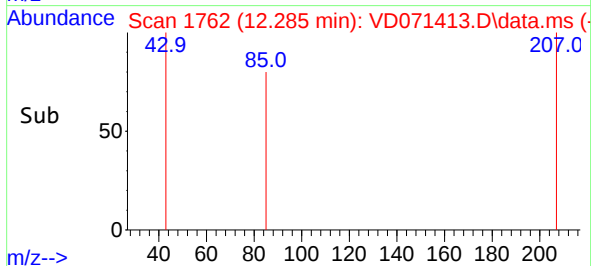
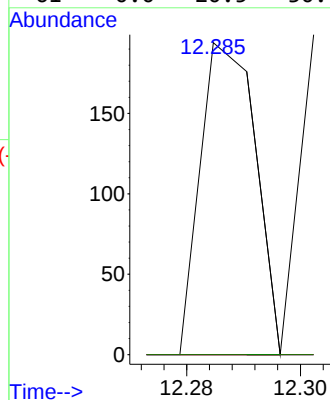


#74
N-amy1 acetate
Concen: 5.812 ug/l
RT: 12.285 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

Instrument :
MSVOA_D
ClientSampleId :

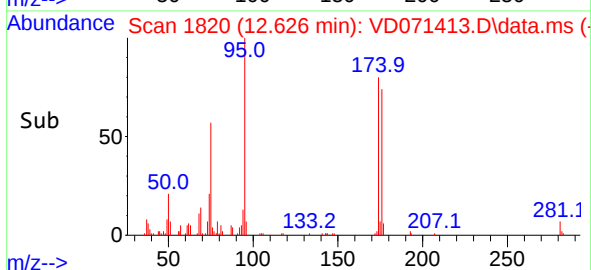
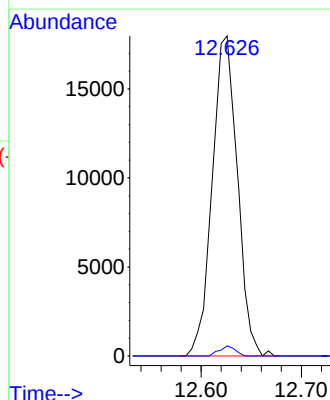
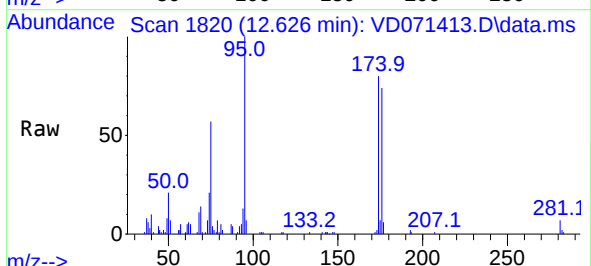


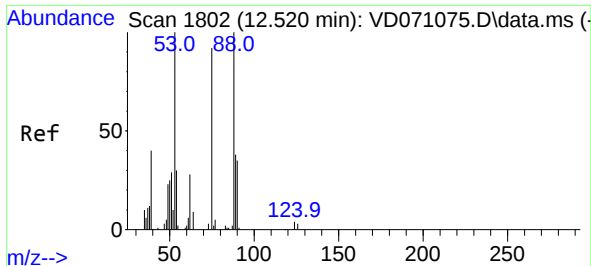
Tgt Ion: 43 Resp: 130
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 0.0 22.5 33.7#
61 0.0 20.5 30.7#



#76
1,2,3-Trichloropropane
Concen: 63.027 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071413.D
Acq: 21 Dec 2021 16:25

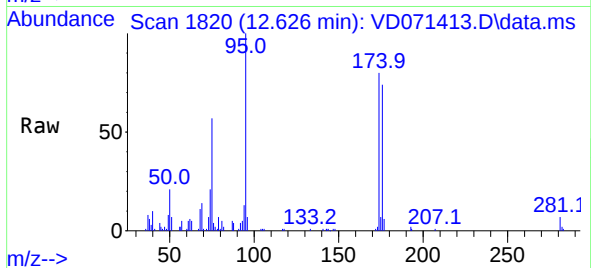
Tgt Ion: 75 Resp: 31321
Ion Ratio Lower Upper
75 100
77 2.0 158.4 475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 136.166 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071413.D
 Acq: 21 Dec 2021 16:25

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion:	75	Resp:	31321
Ion	Ratio	Lower	Upper
75	100		
53	0.2	62.6	94.0#
89	0.0	34.5	51.7#

