

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD122121\
 Data File : VD071415.D
 Acq On : 21 Dec 2021 17:21
 Operator : VA/SY
 Sample : M5182-10
 Misc : 7.72G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 21 19:10:01 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)

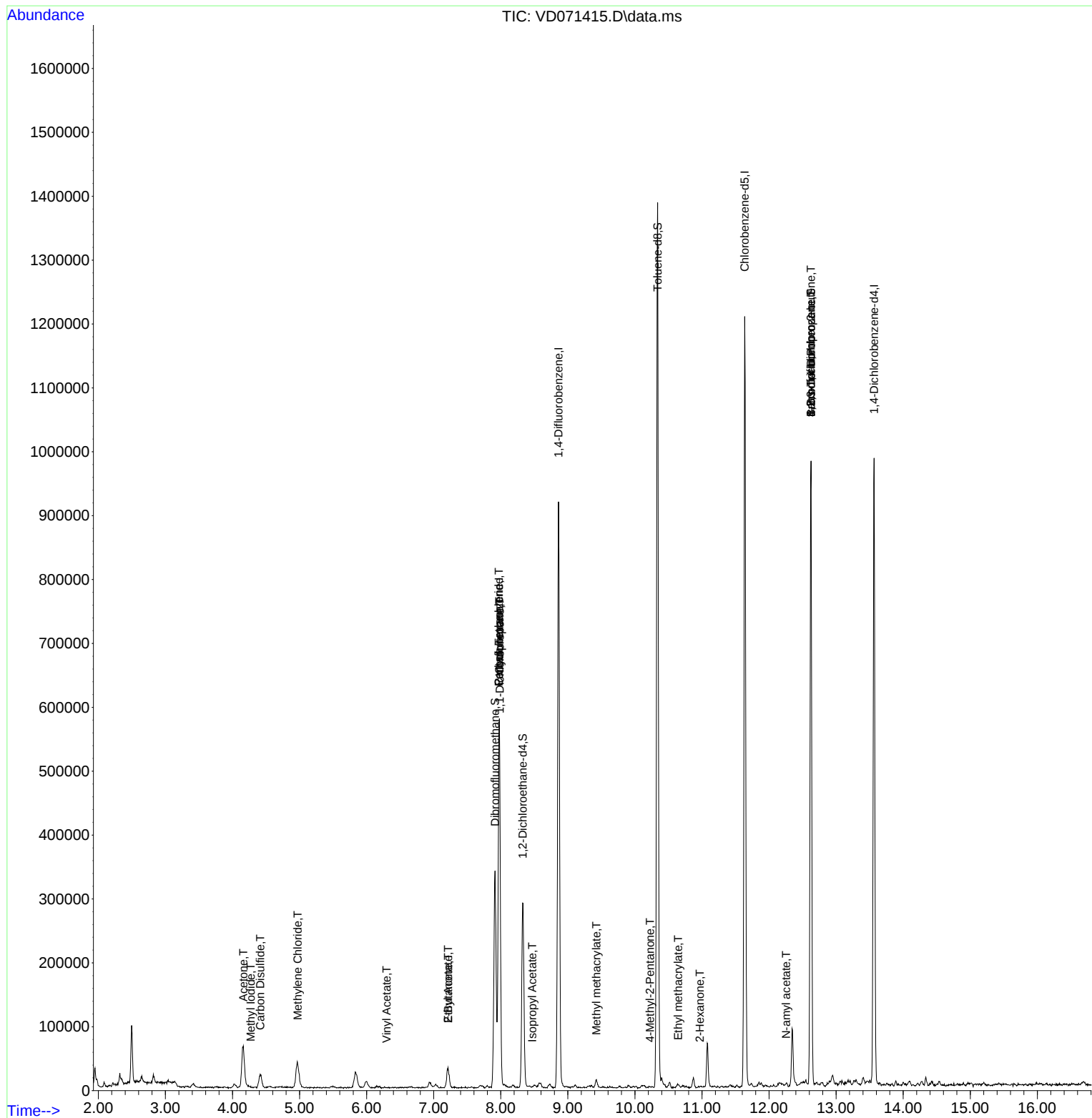
Internal Standards						
1) Pentafluorobenzene	7.973	168	400645	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.861	114	720607	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.637	117	626823	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	239506	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	231508	49.245	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	98.500%		
35) Dibromofluoromethane	7.914	113	229815	50.082	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	100.160%		
50) Toluene-d8	10.338	98	903825	51.758	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	103.520%		
62) 4-Bromofluorobenzene	12.626	95	270051	44.613	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.220%		
Target Compounds					Qvalue	
10) Methyl Iodide	4.273	142	100	4.580	ug/l #	40
11) Tert butyl alcohol	5.155	59	60	Below Cal	#	71
16) Acetone	4.161	43	118076	113.732	ug/l #	86
17) Carbon Disulfide	4.414	76	43334	3.979	ug/l	99
20) Methylene Chloride	4.973	84	26749	1.595	ug/l	86
23) Vinyl Acetate	6.297	43	485	27.275	ug/l #	72
25) 2-Butanone	7.214	43	42237	54.331	ug/l	90
31) Cyclohexane	7.979	56	12209	1.527	ug/l #	18
36) 1,1-Dichloropropene	7.985	75	37317	5.541	ug/l #	51
37) Ethyl Acetate	7.214	43	42237	14.518	ug/l #	81
38) Carbon Tetrachloride	7.973	117	43515	6.554	ug/l #	16
41) Methacrylonitrile	7.479	41	285	Below Cal	#	23
43) Isopropyl Acetate	8.467	43	145	5.243	ug/l #	47
48) Methyl methacrylate	9.426	41	3911	1.373	ug/l #	25
51) 4-Methyl-2-Pentanone	10.226	43	1234	30.982	ug/l #	34
56) Ethyl methacrylate	10.643	69	232	6.014	ug/l #	1
59) 2-Hexanone	10.967	43	1236	35.005	ug/l #	22
71) Bromoform	12.626	173	2883	1.310	ug/l #	1
74) N-amyl acetate	12.255	43	1351	5.953	ug/l #	30
76) 1,2,3-Trichloropropane	12.626	75	155572	68.176	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	155572	146.820	ug/l #	19

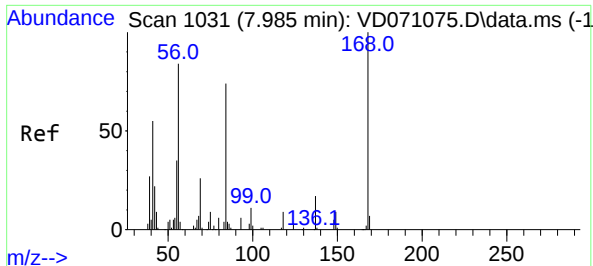
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
MSVOA_D
ClientSampleId :

Quant Time: Dec 21 19:10:01 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

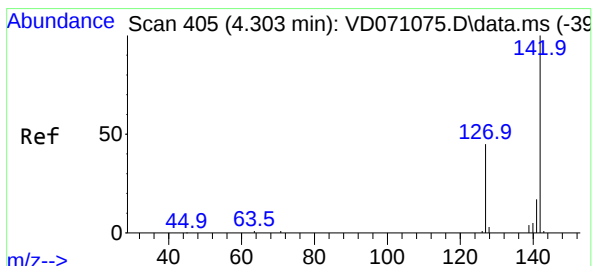
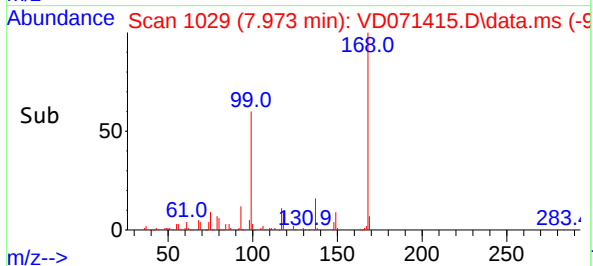
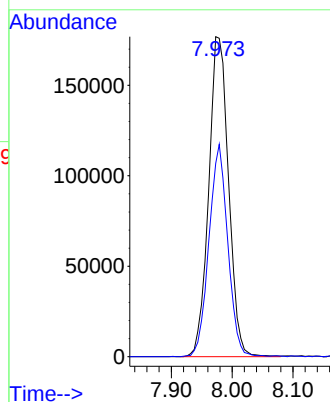
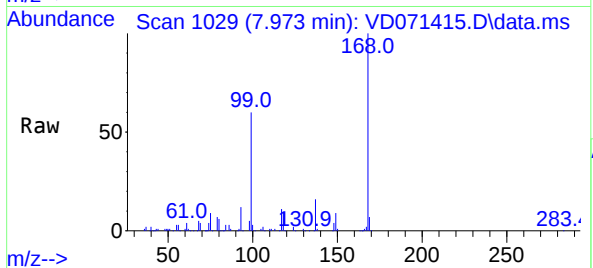




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1031
Delta R.T. -0.012 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

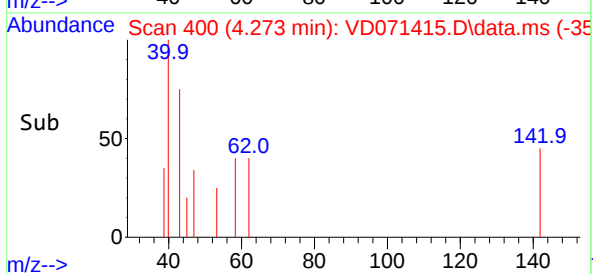
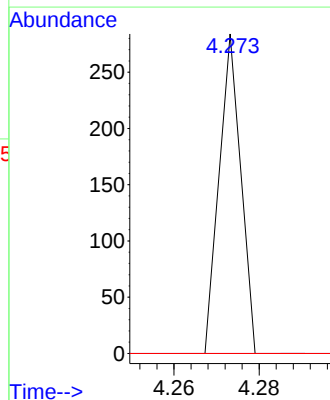
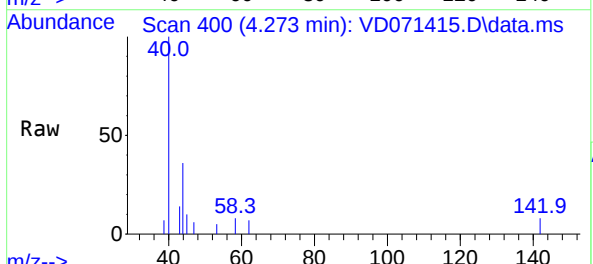
Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion:168 Resp: 400645
Ion Ratio Lower Upper
168 100
99 60.4 46.6 69.8



#10
Methyl Iodide
Concen: 4.580 ug/l
RT: 4.273 min Scan# 400
Delta R.T. -0.030 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

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

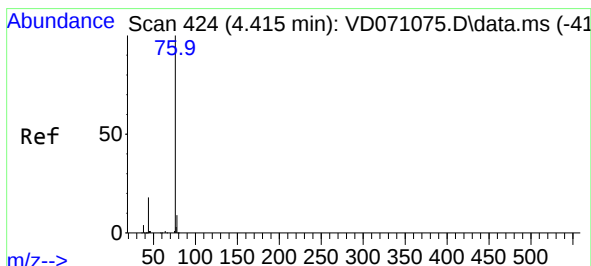
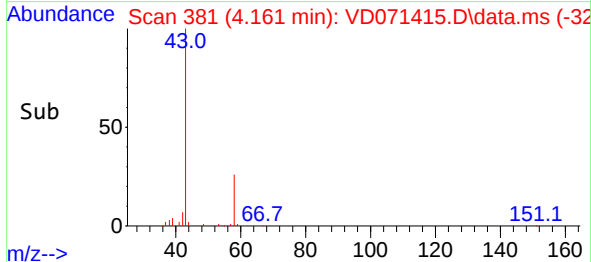
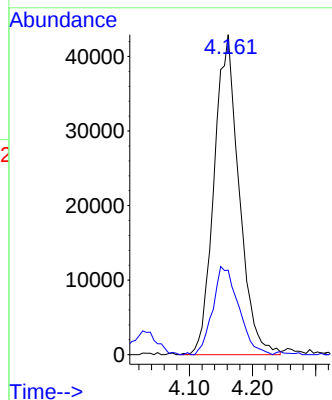
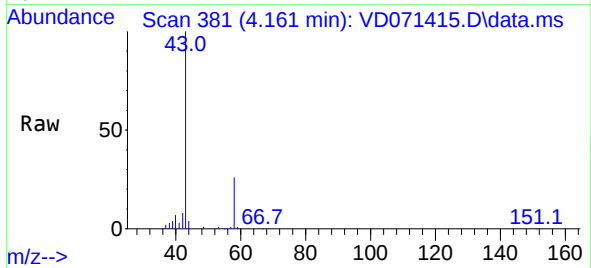




#16
Acetone
Concen: 113.732 ug/l
RT: 4.161 min Scan# 380
Delta R.T. 0.005 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

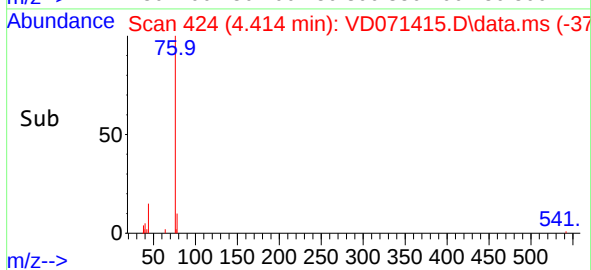
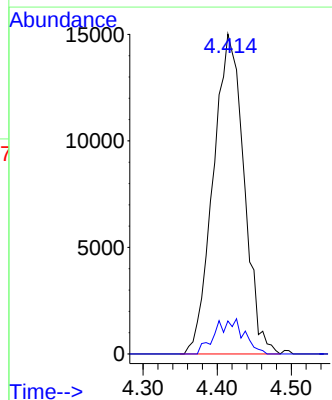
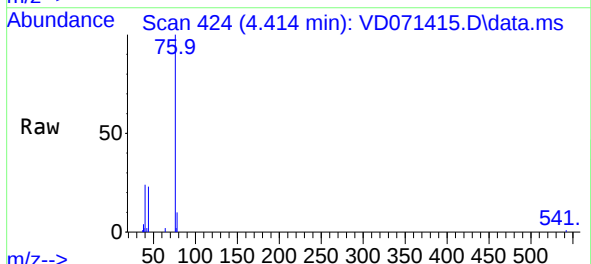
Instrument :
MSVOA_D
ClientSampleId :

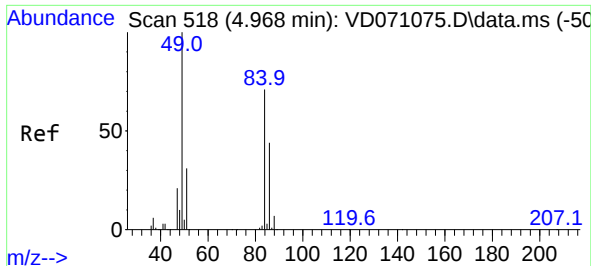
Tgt Ion: 43 Resp: 118076
Ion Ratio Lower Upper
43 100
58 26.4 27.8 41.8#



#17
Carbon Disulfide
Concen: 3.979 ug/l
RT: 4.414 min Scan# 424
Delta R.T. -0.001 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

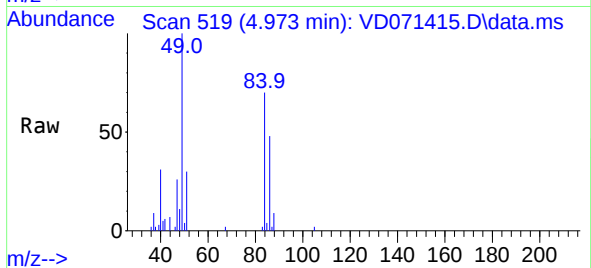
Tgt Ion: 76 Resp: 43334
Ion Ratio Lower Upper
76 100
78 10.3 7.8 11.8



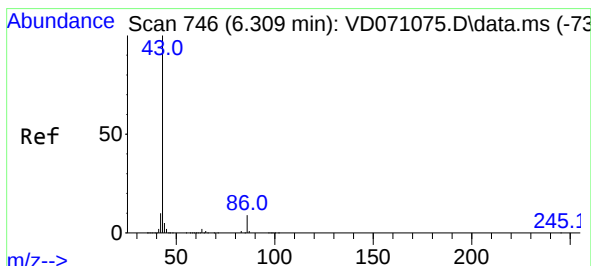
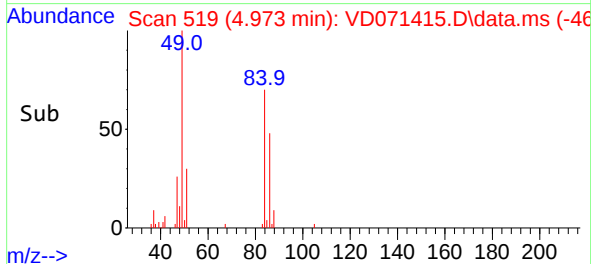
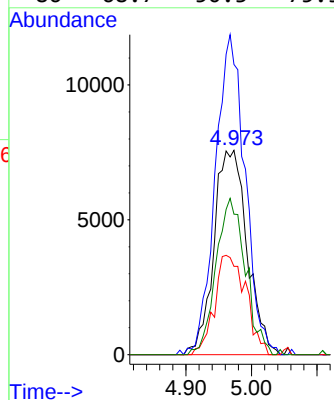


#20
Methylene Chloride
Concen: 1.595 ug/l
RT: 4.973 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

Instrument :
MSVOA_D
ClientSampleId :

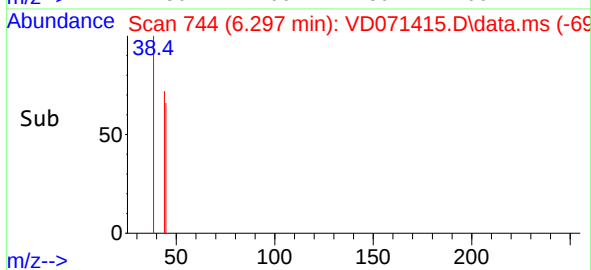
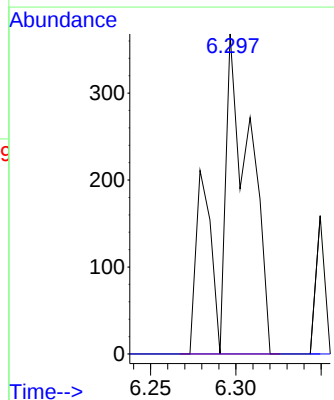
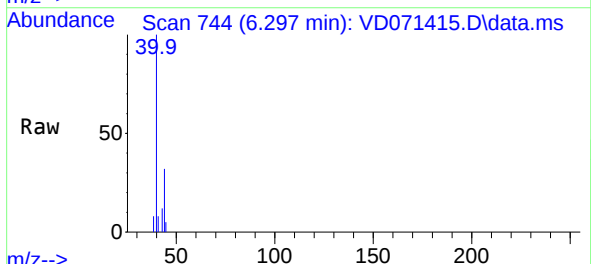


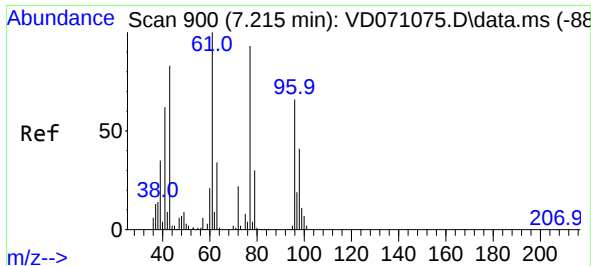
Tgt Ion: 84 Resp: 26749
Ion Ratio Lower Upper
84 100
49 142.0 95.8 143.6
51 43.2 30.9 46.3
86 68.7 50.3 75.5



#23
Vinyl Acetate
Concen: 27.275 ug/l
RT: 6.297 min Scan# 744
Delta R.T. -0.012 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

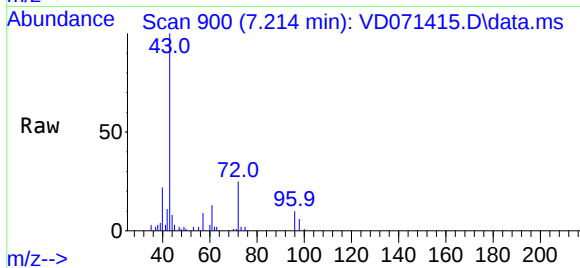
Tgt Ion: 43 Resp: 485
Ion Ratio Lower Upper
43 100
86 0.0 8.2 12.4#



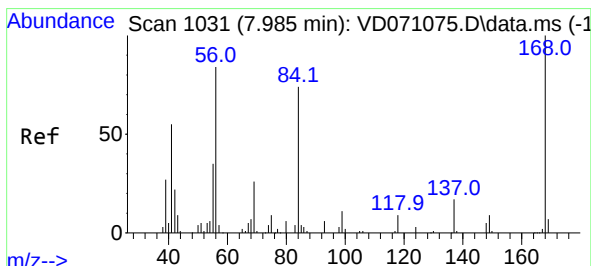
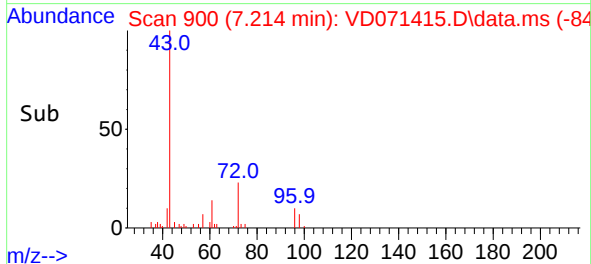
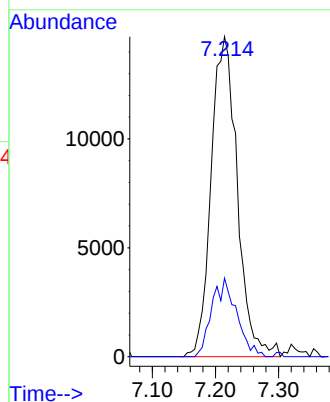


#25
2-Butanone
Concen: 54.331 ug/l
RT: 7.214 min Scan# 90
Delta R.T. -0.001 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

Instrument :
MSVOA_D
ClientSampleId :

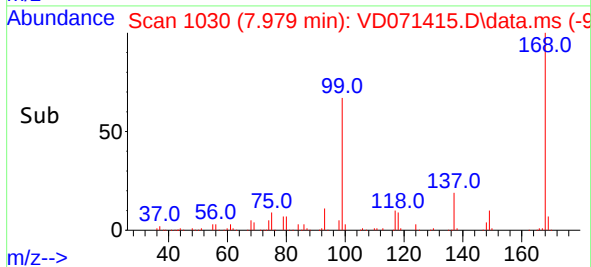
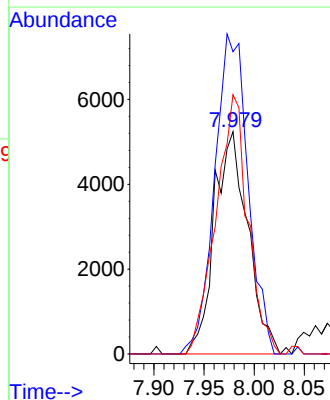
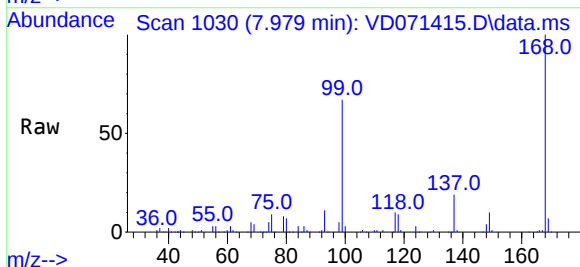


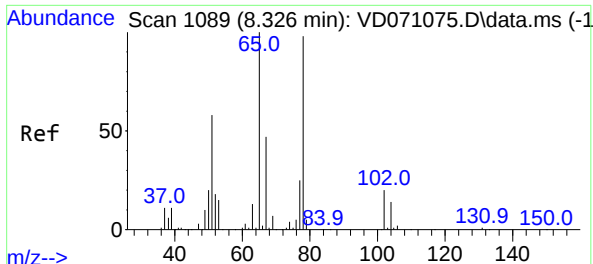
Tgt Ion: 43 Resp: 42237
Ion Ratio Lower Upper
43 100
72 24.5 23.8 35.6



#31
Cyclohexane
Concen: 1.527 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

Tgt Ion: 56 Resp: 12209
Ion Ratio Lower Upper
56 100
69 136.0 25.9 38.9#
84 116.6 64.3 96.5#





#33

1,2-Dichloroethane-d4

Concen: 49.245 ug/l

RT: 8.326 min Scan# 1089

Delta R.T. -0.000 min

Lab File: VD071415.D

Acq: 21 Dec 2021 17:21

Instrument :

MSVOA_D

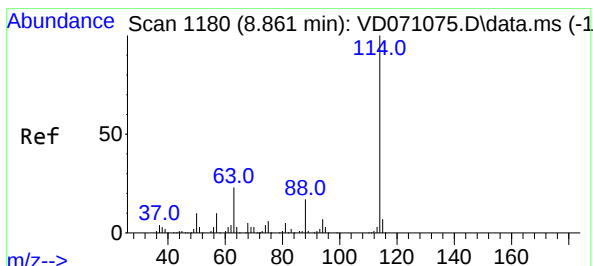
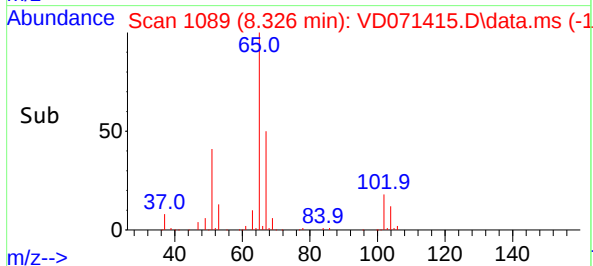
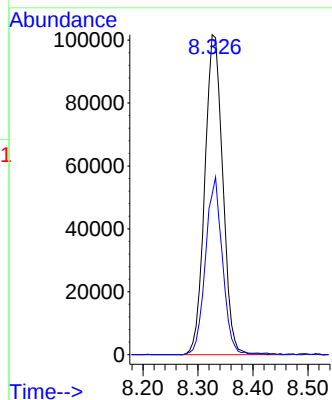
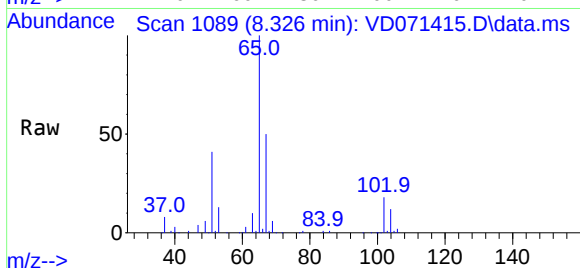
ClientSampleId :

Tgt Ion: 65 Resp: 231508

Ion Ratio Lower Upper

65 100

67 52.1 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: VD071415.D

Acq: 21 Dec 2021 17:21

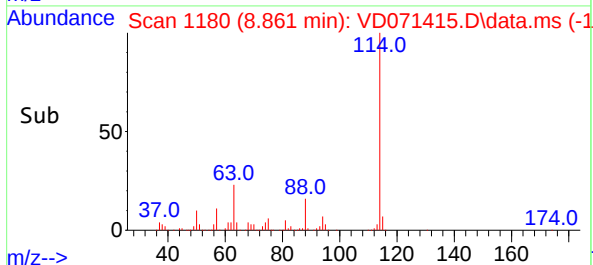
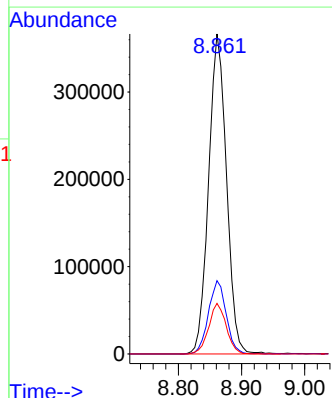
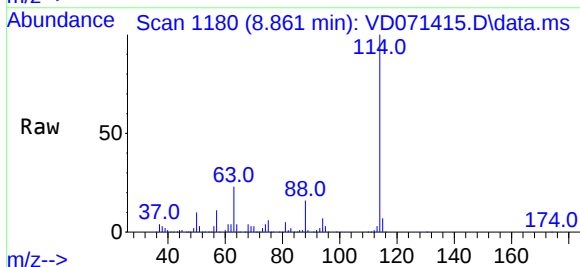
Tgt Ion: 114 Resp: 720607

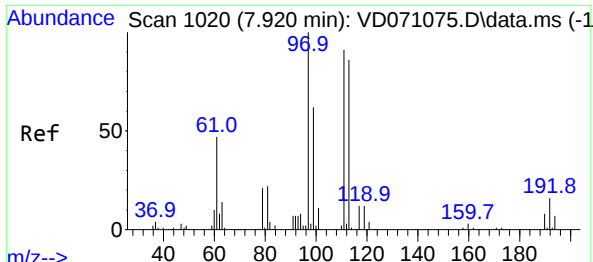
Ion Ratio Lower Upper

114 100

63 22.9 0.0 41.8

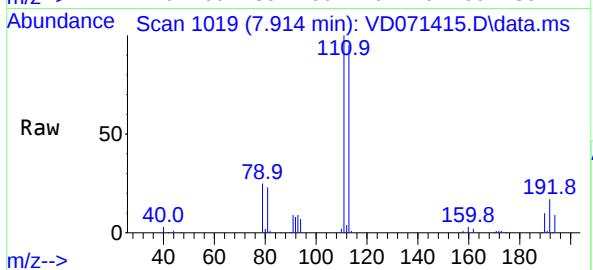
88 15.8 0.0 32.8



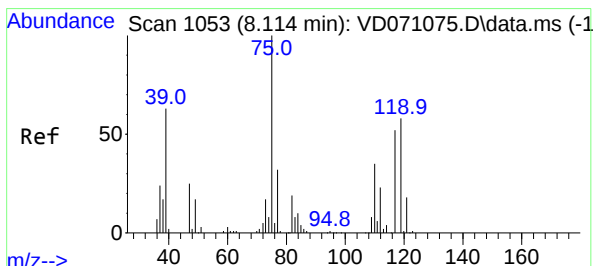
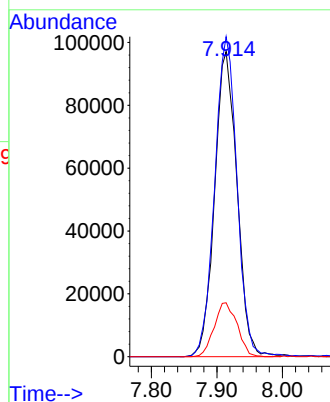
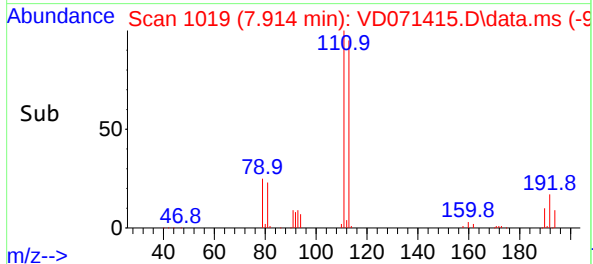


#35
Dibromofluoromethane
Concen: 50.082 ug/l
RT: 7.914 min Scan# 1019
Delta R.T. -0.006 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

Instrument :
MSVOA_D
ClientSampleId :

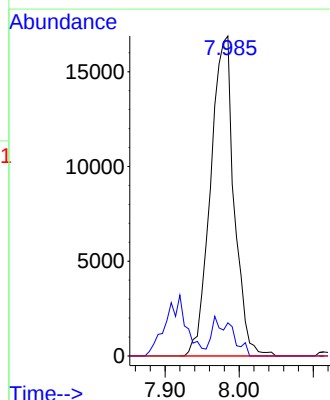
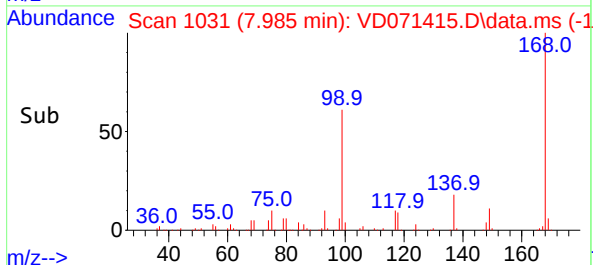
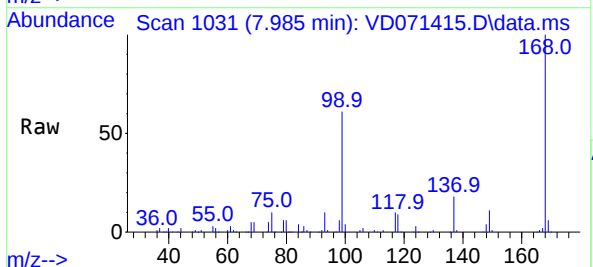


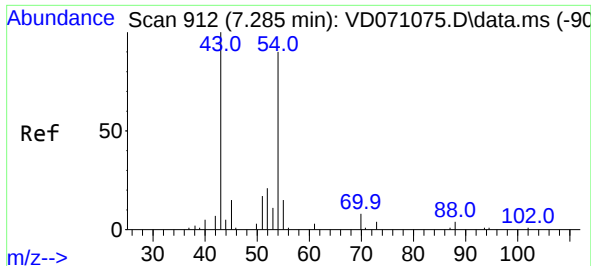
Tgt Ion:113 Resp: 229815
Ion Ratio Lower Upper
113 100
111 104.7 82.0 123.0
192 18.1 15.2 22.8



#36
1,1-Dichloropropene
Concen: 5.541 ug/l
RT: 7.985 min Scan# 1031
Delta R.T. -0.129 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

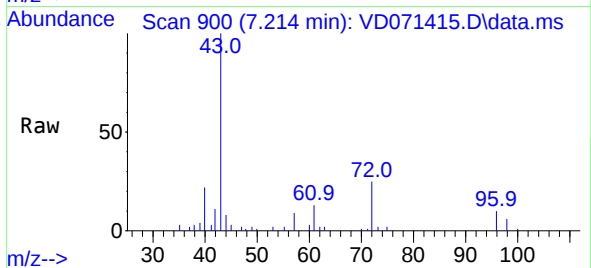
Tgt Ion: 75 Resp: 37317
Ion Ratio Lower Upper
75 100
110 10.3 17.8 53.4#
77 0.0 24.8 37.2#



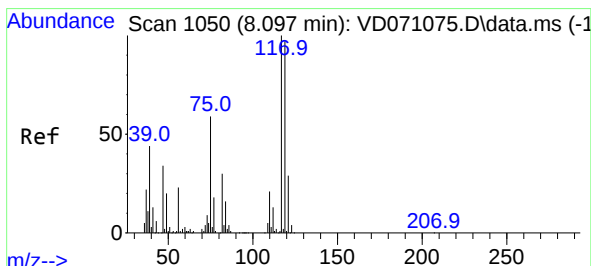
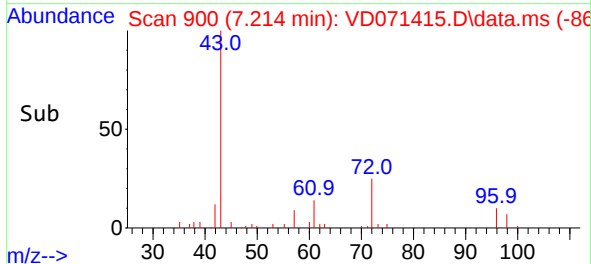
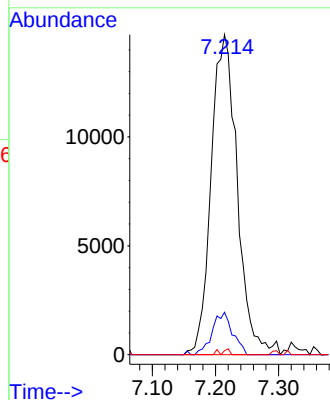


#37
Ethyl Acetate
Concen: 14.518 ug/l
RT: 7.214 min Scan# 90
Delta R.T. -0.071 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

Instrument :
MSVOA_D
ClientSampleId :

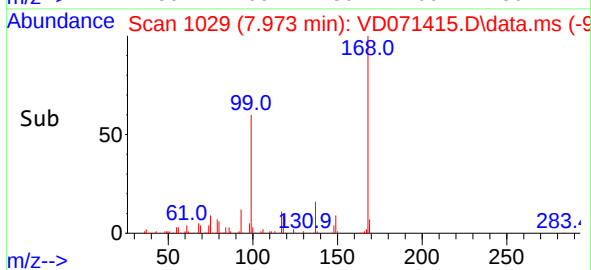
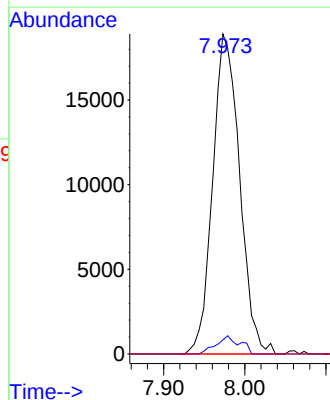
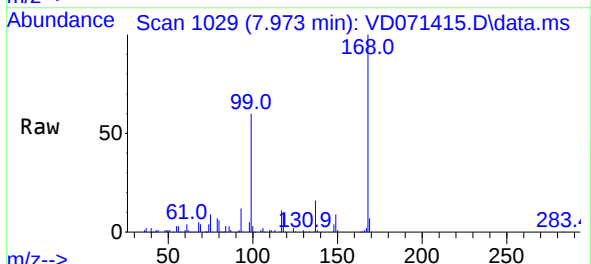


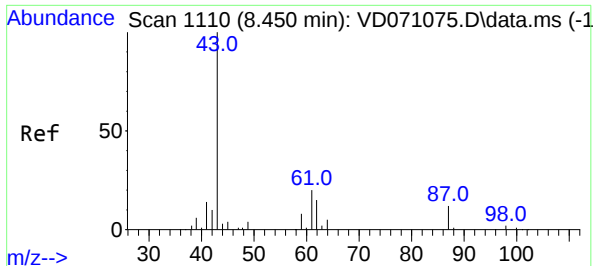
Tgt Ion: 43 Resp: 42237
Ion Ratio Lower Upper
43 100
61 10.4 13.0 19.6#
70 0.6 8.7 13.1#



#38
Carbon Tetrachloride
Concen: 6.554 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.124 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

Tgt Ion: 117 Resp: 43515
Ion Ratio Lower Upper
117 100
119 4.4 75.8 113.6#
121 0.0 23.6 35.4#





#43

Isopropyl Acetate

Concen: 5.243 ug/l

RT: 8.467 min Scan# 1113

Delta R.T. 0.017 min

Lab File: VD071415.D

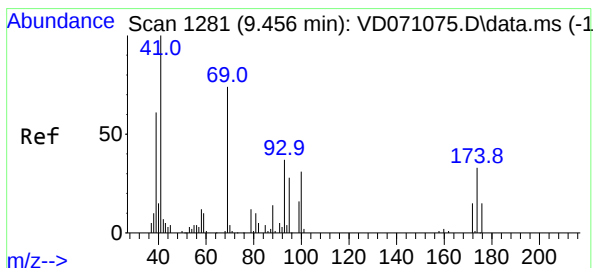
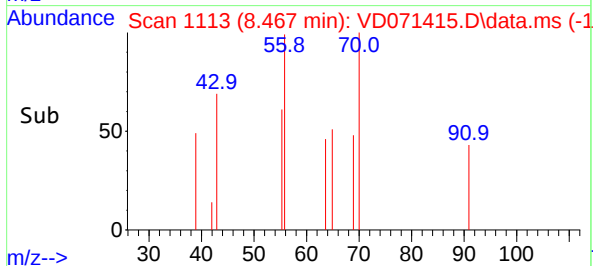
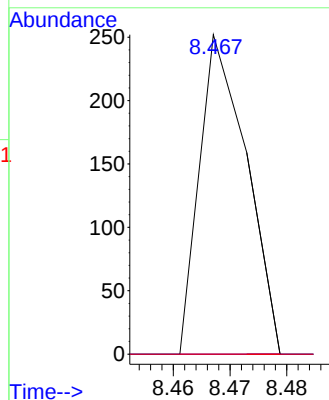
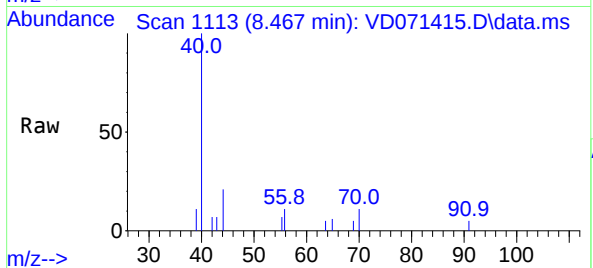
Acq: 21 Dec 2021 17:21

Instrument :

MSVOA_D

ClientSampleId :

Tgt Ion: 43	Resp: 145
Ion Ratio	Lower Upper
43 100	
61 0.0	28.2 42.4#
87 0.0	10.7 16.1#



#48

Methyl methacrylate

Concen: 1.373 ug/l

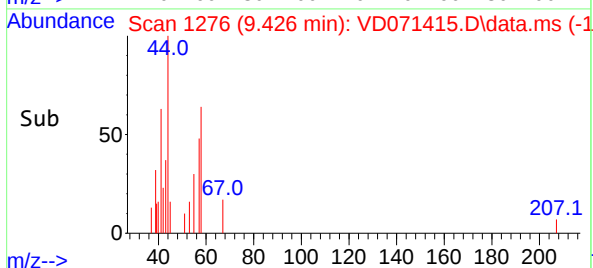
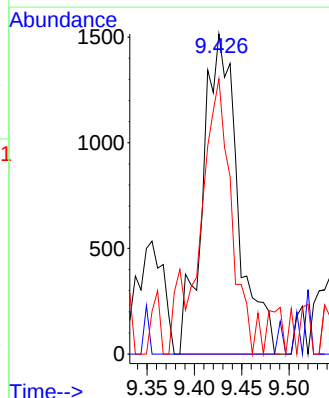
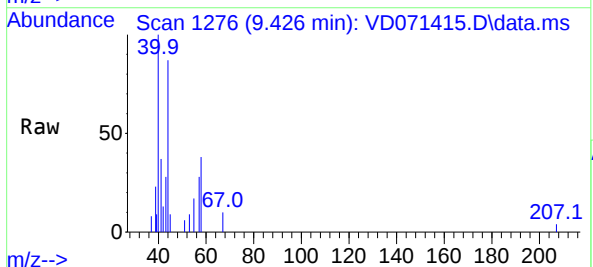
RT: 9.426 min Scan# 1276

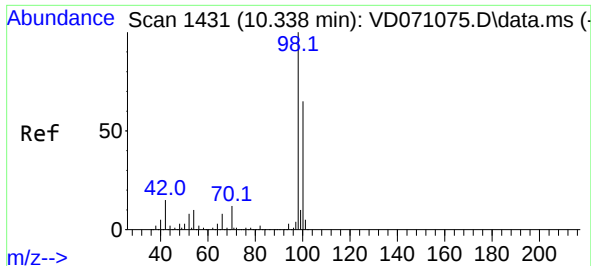
Delta R.T. -0.030 min

Lab File: VD071415.D

Acq: 21 Dec 2021 17:21

Tgt Ion: 41	Resp: 3911
Ion Ratio	Lower Upper
41 100	
69 0.0	69.8 104.6#
39 67.9	35.6 53.4#

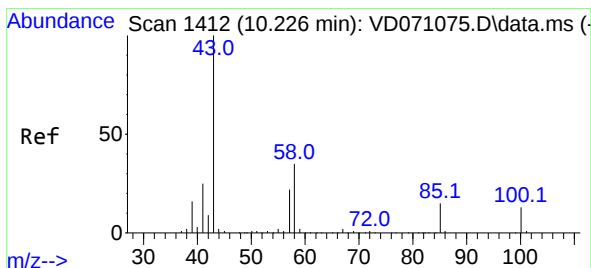
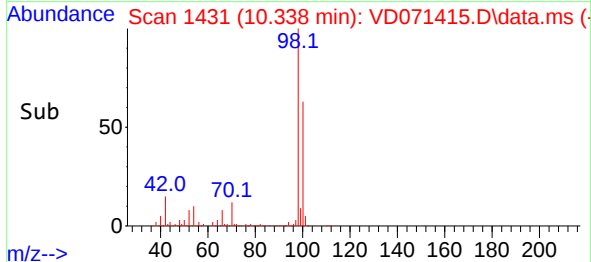
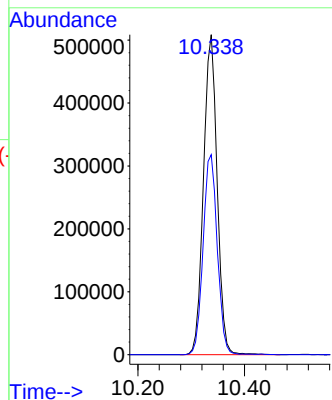
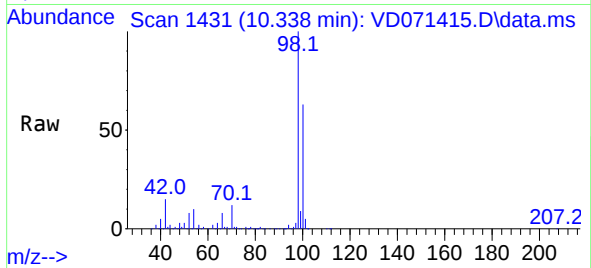




#50
Toluene-d8
Concen: 51.758 ug/l
RT: 10.338 min Scan# 1431
Delta R.T. -0.000 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

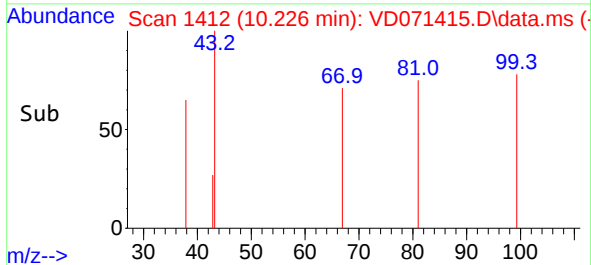
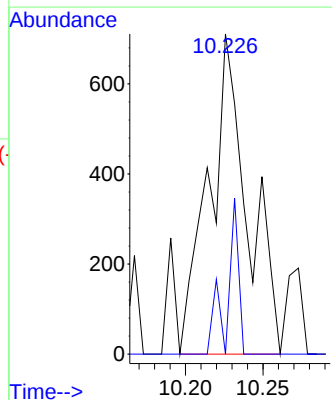
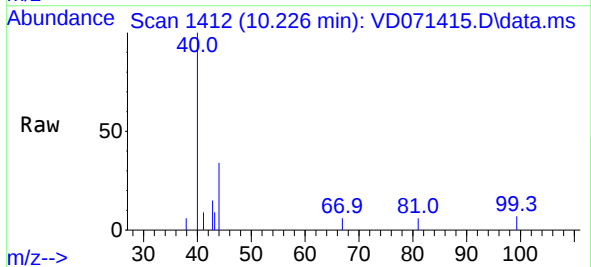
Instrument :
MSVOA_D
ClientSampleId :

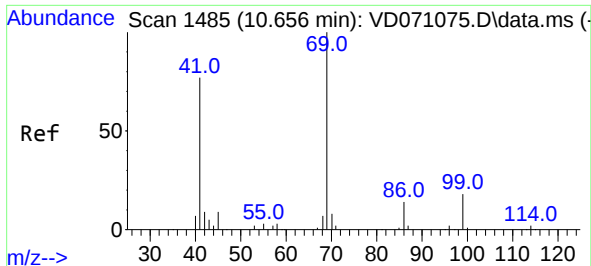
Tgt Ion: 98 Resp: 903825
Ion Ratio Lower Upper
98 100
100 64.9 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 30.982 ug/l
RT: 10.226 min Scan# 1412
Delta R.T. -0.000 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

Tgt Ion: 43 Resp: 1234
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

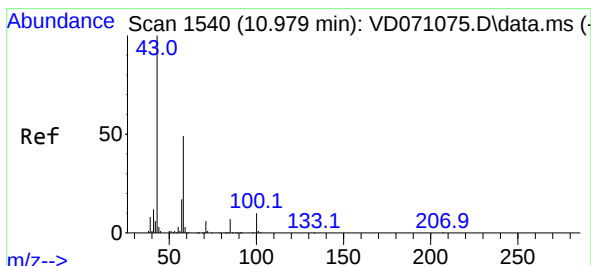
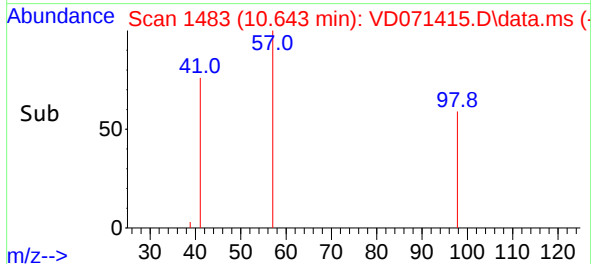
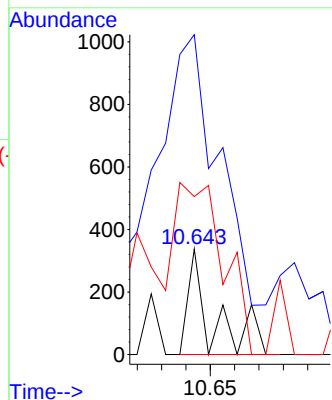
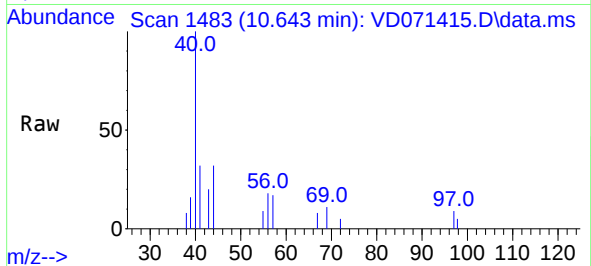




#56
Ethyl methacrylate
Concen: 6.014 ug/l
RT: 10.643 min Scan# 1483
Delta R.T. -0.013 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

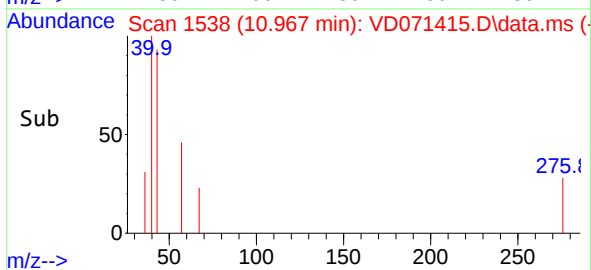
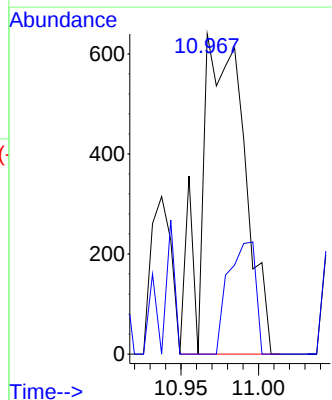
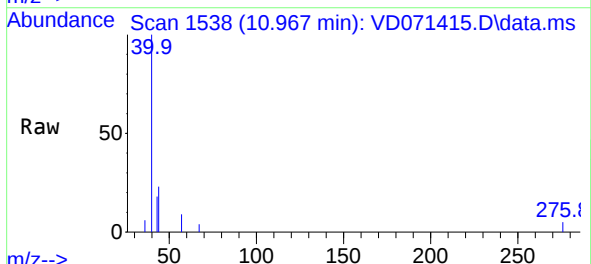
Instrument :
MSVOA_D
ClientSampleId :

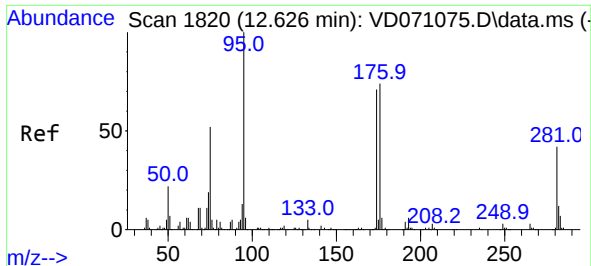
Tgt Ion: 69 Resp: 232
Ion Ratio Lower Upper
69 100
41 1062.9 50.2 75.2#
39 542.2 19.8 29.8#



#59
2-Hexanone
Concen: 35.005 ug/l
RT: 10.967 min Scan# 1538
Delta R.T. -0.012 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

Tgt Ion: 43 Resp: 1236
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#

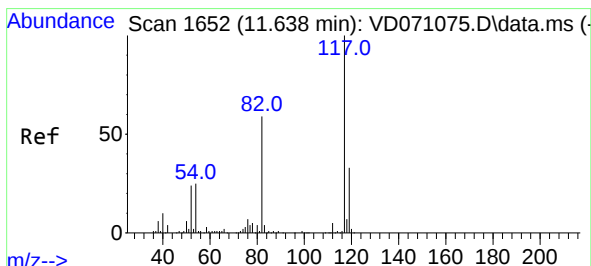
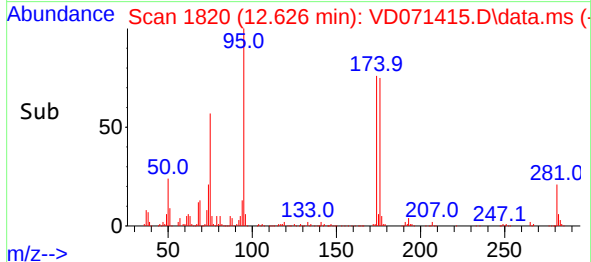
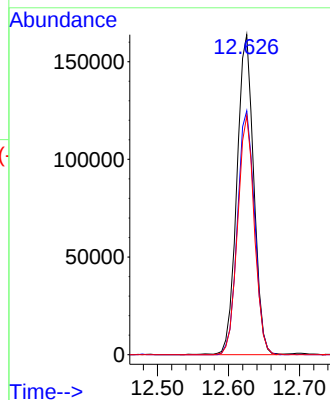
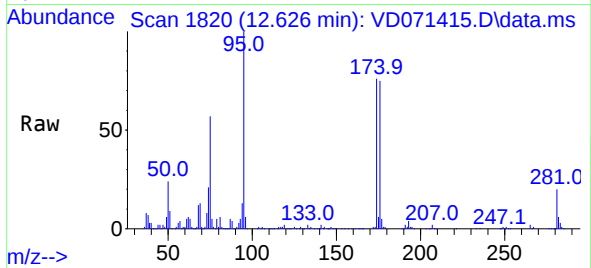




#62
4-Bromofluorobenzene
Concen: 44.613 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

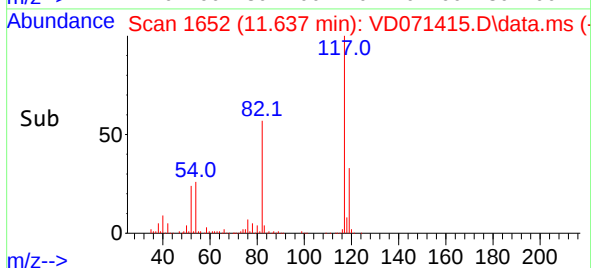
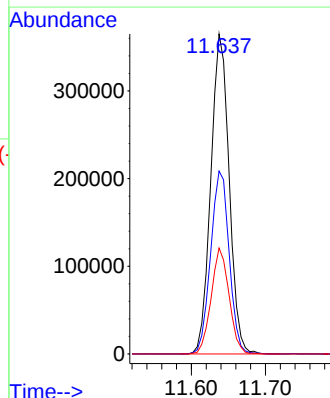
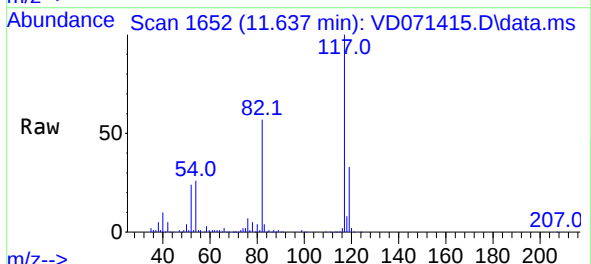
Instrument :
MSVOA_D
ClientSampleId :

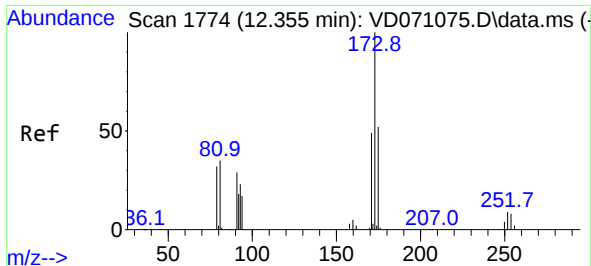
Tgt Ion: 95 Resp: 270051
Ion Ratio Lower Upper
95 100
174 77.4 0.0 159.4
176 73.9 0.0 154.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.637 min Scan# 1652
Delta R.T. -0.001 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

Tgt Ion: 117 Resp: 626823
Ion Ratio Lower Upper
117 100
82 57.2 44.7 67.1
119 33.1 26.2 39.4

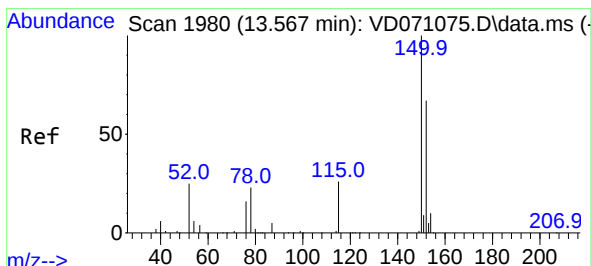
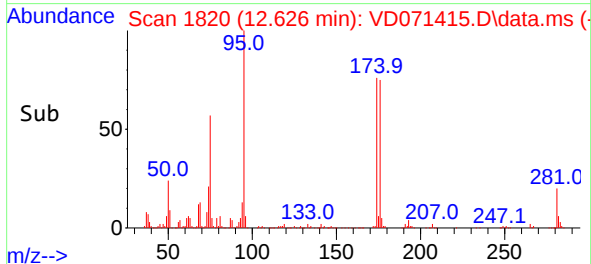
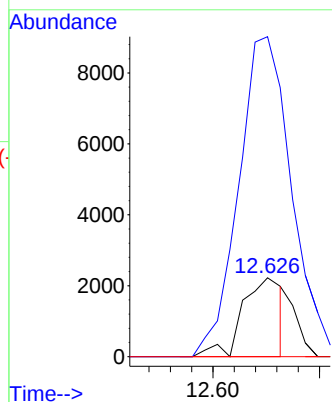
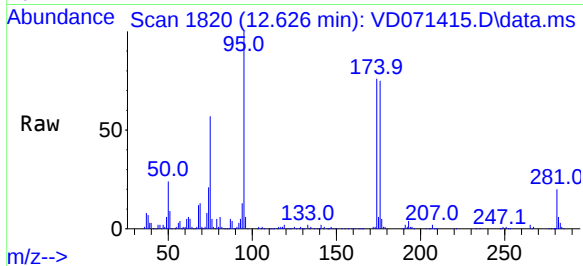




#71
Bromoform
Concen: 1.310 ug/l
RT: 12.626 min Scan# 11
Delta R.T. 0.271 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

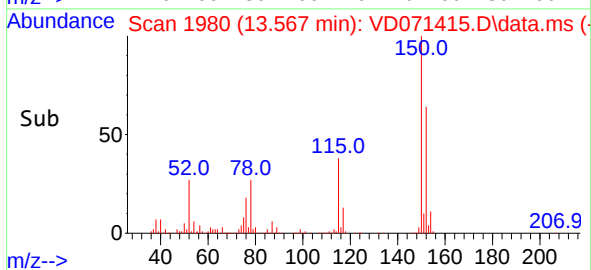
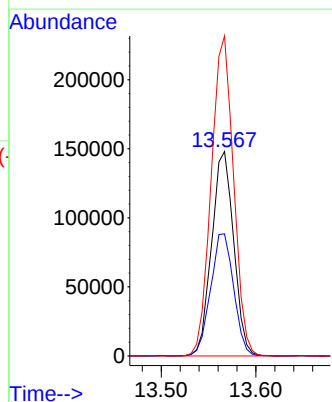
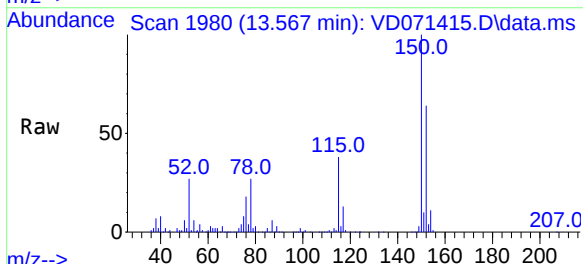
Instrument :
MSVOA_D
ClientSampleId :

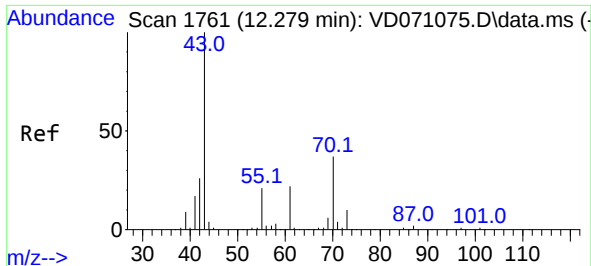
Tgt Ion:173 Resp: 2883
Ion Ratio Lower Upper
173 100
175 436.7 24.1 72.2#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. -0.000 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

Tgt Ion:152 Resp: 239506
Ion Ratio Lower Upper
152 100
115 62.5 29.8 89.3
150 158.2 0.0 349.2



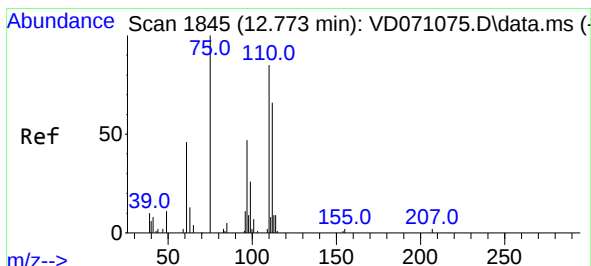
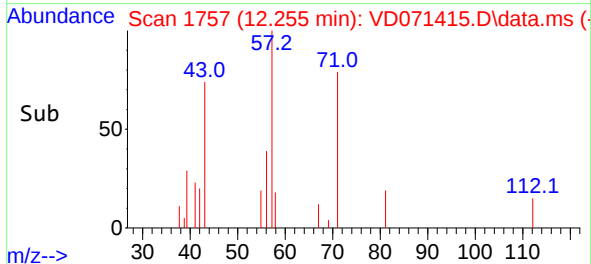
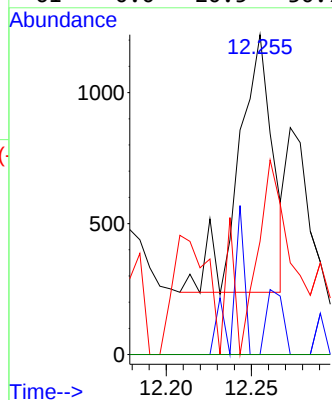
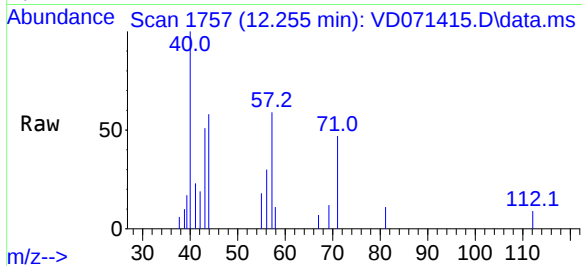


#74
N-amy1 acetate
Concen: 5.953 ug/l
RT: 12.255 min Scan# 11
Delta R.T. -0.024 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

Instrument :
MSVOA_D
ClientSampleId :

Tgt Ion: 43 Resp: 1351

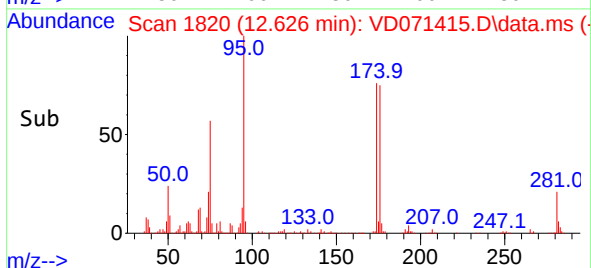
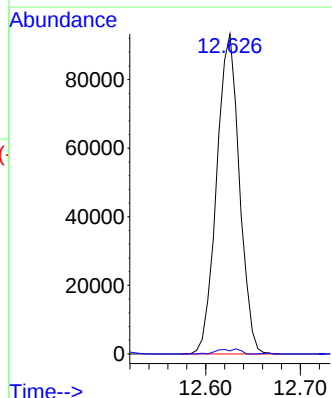
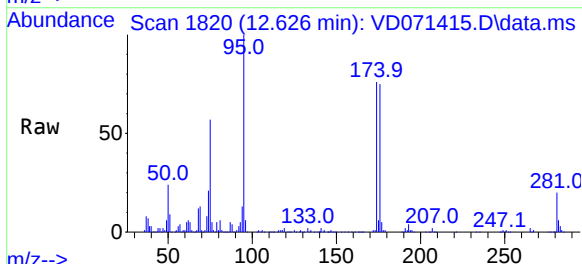
Ion	Ratio	Lower	Upper
43	100		
70	0.0	36.6	55.0#
55	75.1	22.5	33.7#
61	0.0	20.5	30.7#

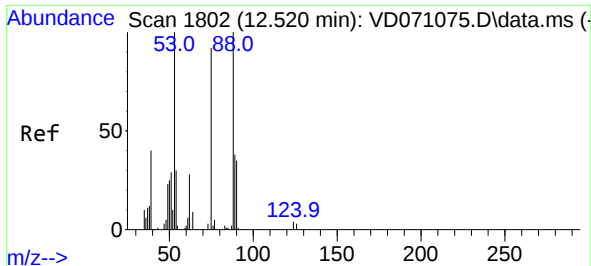


#76
1,2,3-Trichloropropane
Concen: 68.176 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071415.D
Acq: 21 Dec 2021 17:21

Tgt Ion: 75 Resp: 155572

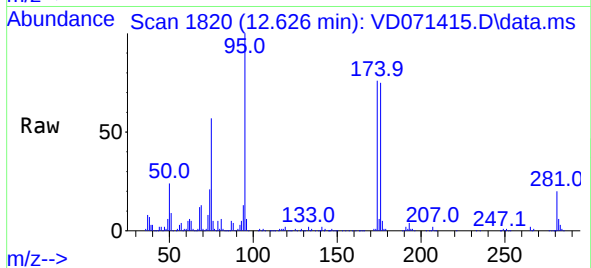
Ion	Ratio	Lower	Upper
75	100		
77	1.5	158.4	475.3#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 146.820 ug/l
 RT: 12.626 min Scan# 11
 Delta R.T. 0.106 min
 Lab File: VD071415.D
 Acq: 21 Dec 2021 17:21

Instrument :
 MSVOA_D
 ClientSampleId :



Tgt Ion: 75 Resp: 155572
 Ion Ratio Lower Upper
 75 100
 53 0.2 62.6 94.0#
 89 0.4 34.5 51.7#

