

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121321\
 Data File : VD071293.D
 Acq On : 13 Dec 2021 13:39
 Operator : VA/SY
 Sample : M5033-01RE
 Misc : 5.06G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 14 08:13:33 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)

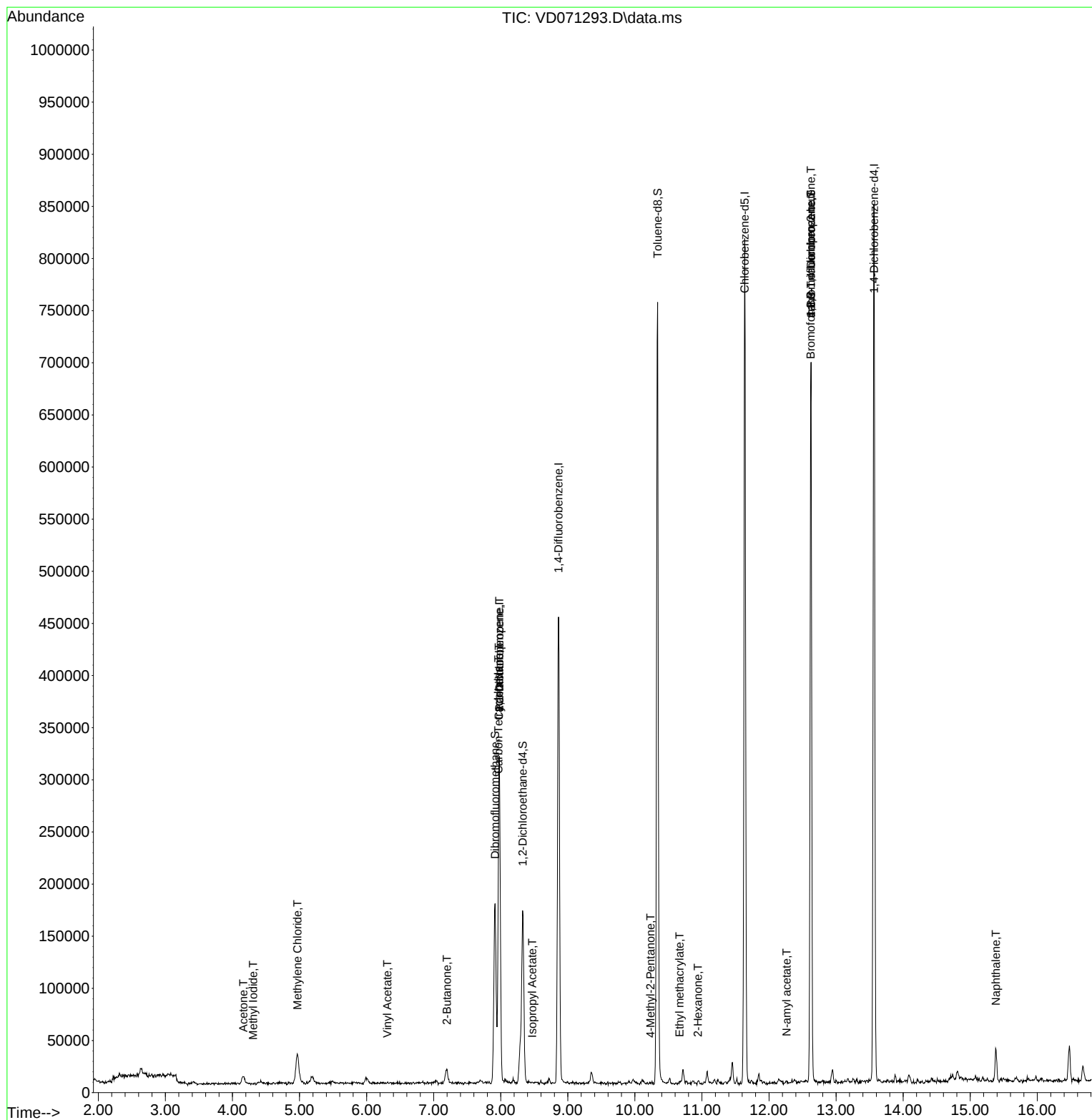
Internal Standards						
1) Pentafluorobenzene	7.979	168	215791	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	365351	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	413476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	210793	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	127124	50.206	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.420%	
35) Dibromofluoromethane	7.914	113	118880	51.098	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.200%	
50) Toluene-d8	10.338	98	473693	53.503	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.000%	
62) 4-Bromofluorobenzene	12.626	95	207361	67.567	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 135.140%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.309	142	55	4.580	ug/l #	40
11) Tert butyl alcohol	5.185	59	6287	Below Cal	#	71
16) Acetone	4.162	43	13749	48.726	ug/l #	81
20) Methylene Chloride	4.968	84	19614	3.819	ug/l	87
23) Vinyl Acetate	6.309	43	131	27.247	ug/l #	72
25) 2-Butanone	7.197	43	2142	30.805	ug/l	96
31) Cyclohexane	7.973	56	8470	1.967	ug/l #	29
36) 1,1-Dichloropropene	7.979	75	20899	6.120	ug/l #	48
38) Carbon Tetrachloride	7.967	117	23528	6.990	ug/l #	17
41) Methacrylonitrile	7.538	41	65	Below Cal	#	1
43) Isopropyl Acetate	8.467	43	56	5.238	ug/l #	47
51) 4-Methyl-2-Pentanone	10.232	43	1234	31.303	ug/l #	57
56) Ethyl methacrylate	10.667	69	161	6.030	ug/l #	1
59) 2-Hexanone	10.938	43	888	35.184	ug/l #	22
71) Bromoform	12.620	173	2602	1.793	ug/l #	1
74) N-amyl acetate	12.261	43	808	5.872	ug/l #	55
76) 1,2,3-Trichloropropane	12.626	75	115707	57.613	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.626	75	115707	124.966	ug/l #	18
95) Naphthalene	15.385	128	23796	3.867	ug/l	95

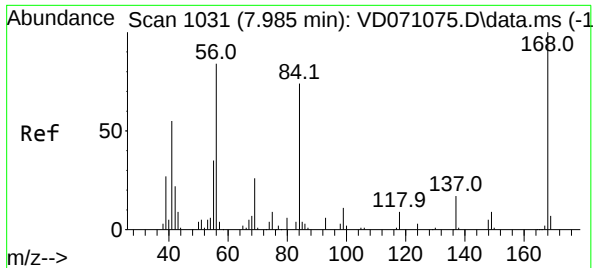
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Nov 29 17:54:09 2021
Response via : Initial Calibration

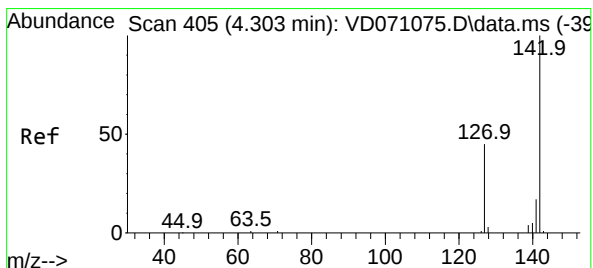
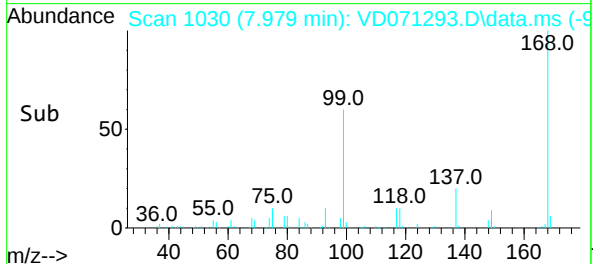
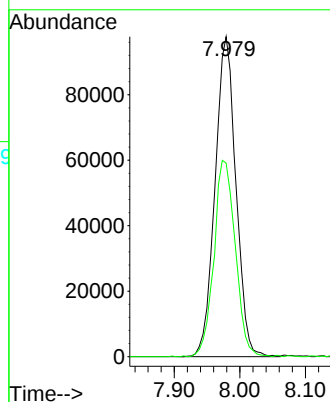
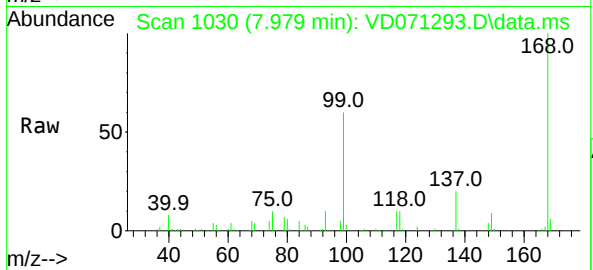




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

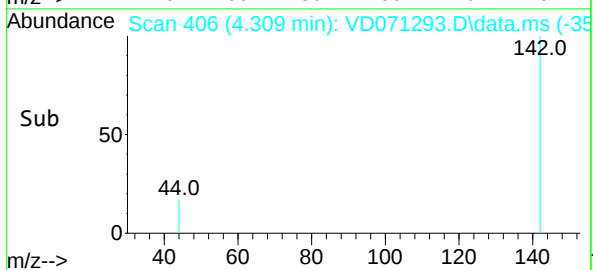
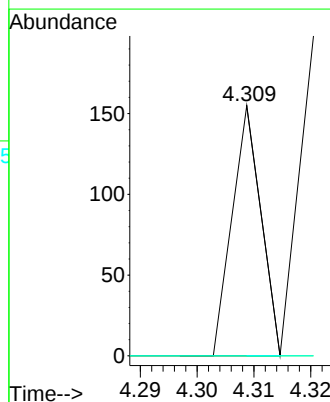
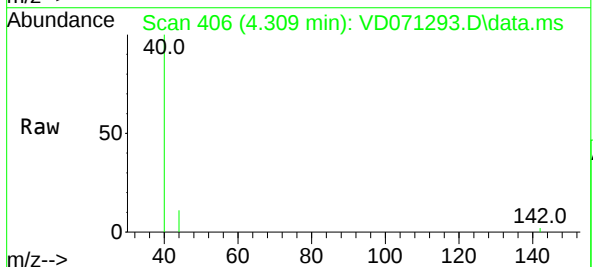
Instrument :
MSVOA_D
ClientSampleId :

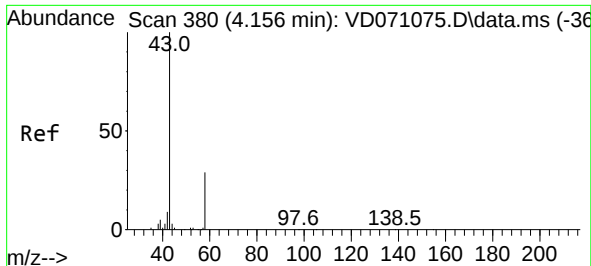
Tgt Ion:168 Resp: 215791
Ion Ratio Lower Upper
168 100
99 60.5 46.6 69.8



#10
Methyl Iodide
Concen: 4.580 ug/l
RT: 4.309 min Scan# 406
Delta R.T. 0.006 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

Tgt Ion:142 Resp: 55
Ion Ratio Lower Upper
142 100
127 0.0 35.0 52.4#
141 0.0 12.0 18.0#

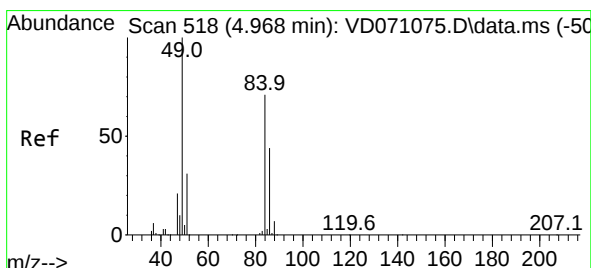
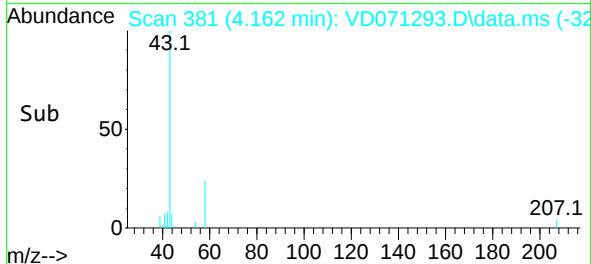
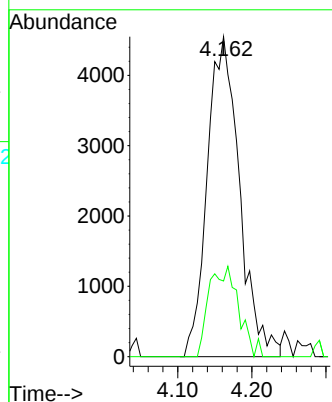
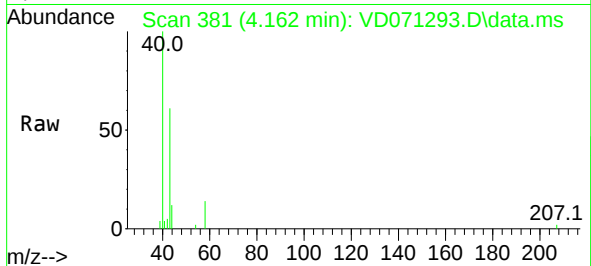




#16
Acetone
Concen: 48.726 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

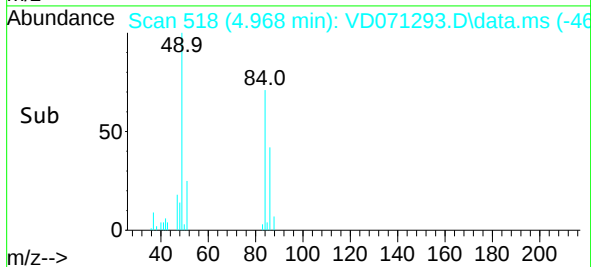
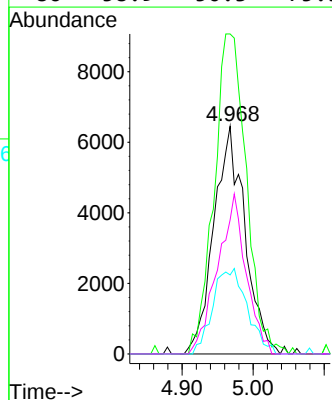
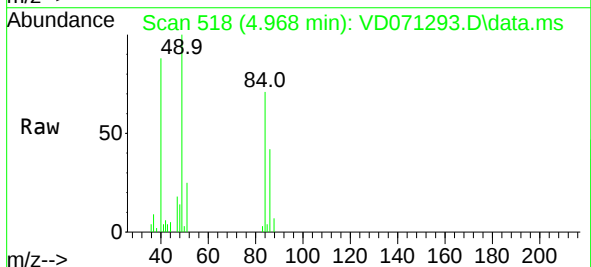
Instrument :
MSVOA_D
ClientSampleId :

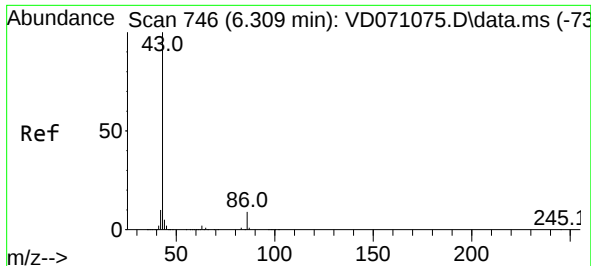
Tgt Ion: 43 Resp: 13749
Ion Ratio Lower Upper
43 100
58 23.6 27.8 41.8#



#20
Methylene Chloride
Concen: 3.819 ug/l
RT: 4.968 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

Tgt Ion: 84 Resp: 19614
Ion Ratio Lower Upper
84 100
49 140.5 95.8 143.6
51 34.7 30.9 46.3
86 58.9 50.3 75.5

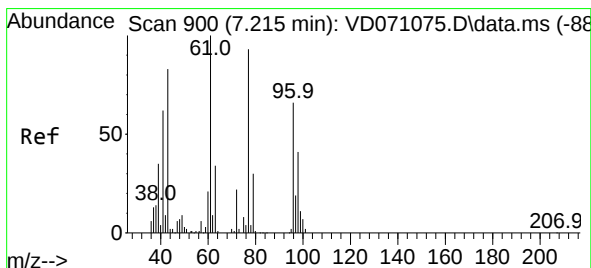
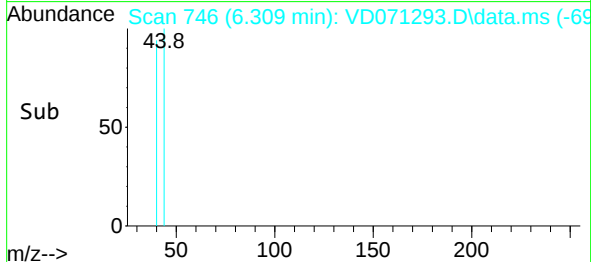
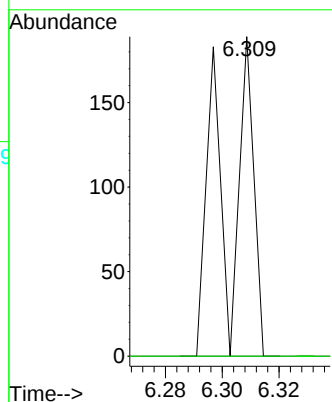
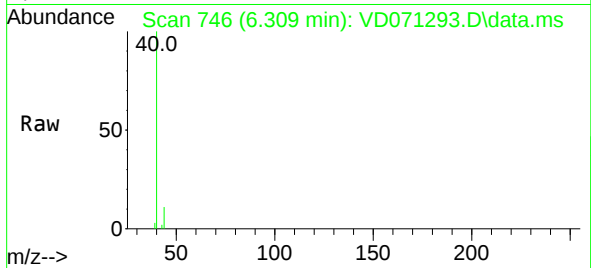




#23
 Vinyl Acetate
 Concen: 27.247 ug/l
 RT: 6.309 min Scan# 746
 Delta R.T. -0.000 min
 Lab File: VD071293.D
 Acq: 13 Dec 2021 13:39

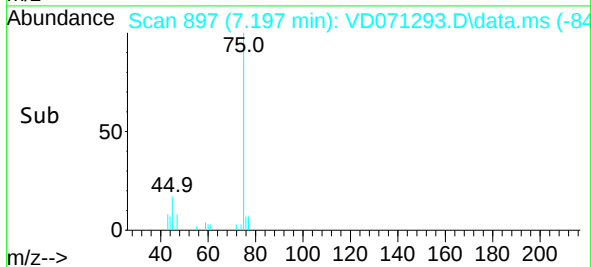
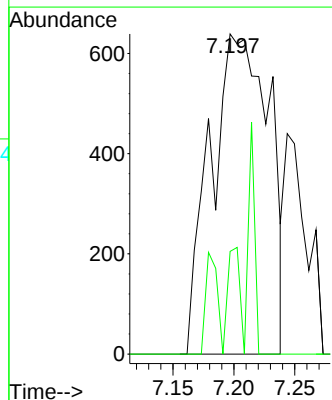
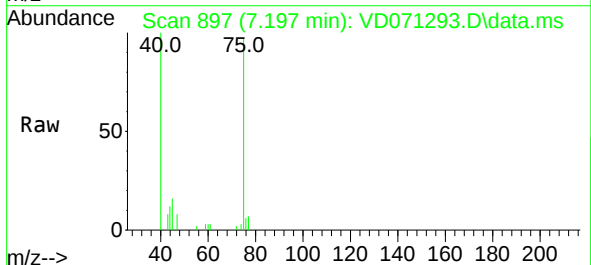
Instrument :
 MSVOA_D
 ClientSampleId :

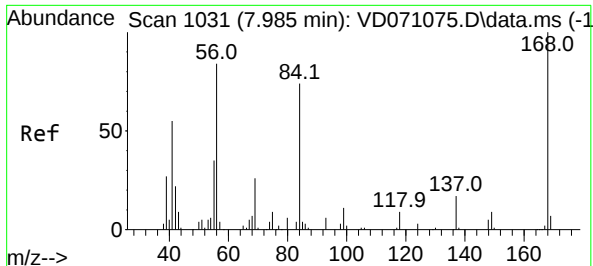
Tgt Ion: 43 Resp: 131
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.2 12.4#



#25
 2-Butanone
 Concen: 30.805 ug/l
 RT: 7.197 min Scan# 897
 Delta R.T. -0.018 min
 Lab File: VD071293.D
 Acq: 13 Dec 2021 13:39

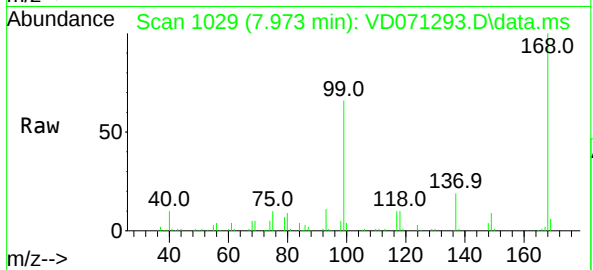
Tgt Ion: 43 Resp: 2142
 Ion Ratio Lower Upper
 43 100
 72 32.1 23.8 35.6



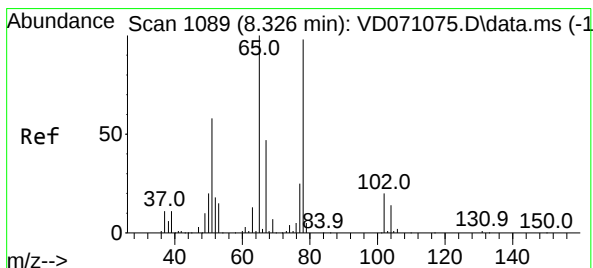
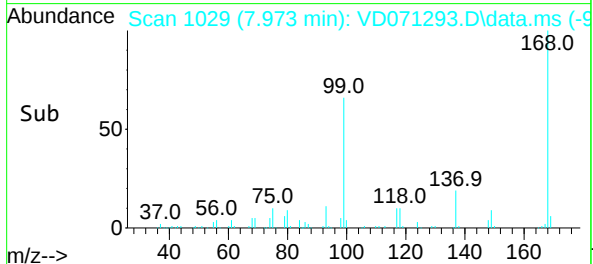
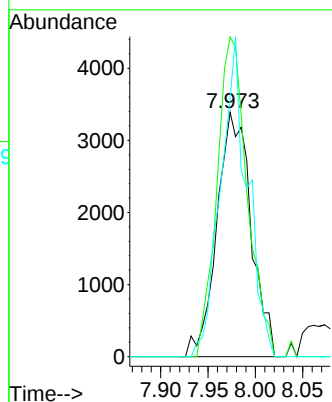


#31
Cyclohexane
Concen: 1.967 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

Instrument :
MSVOA_D
ClientSampleId :

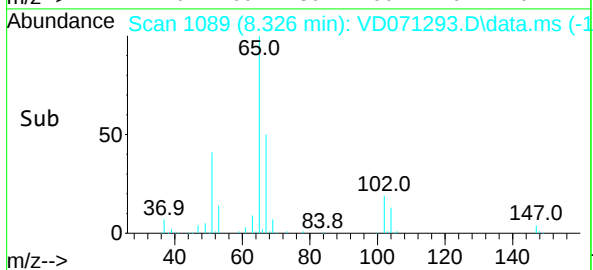
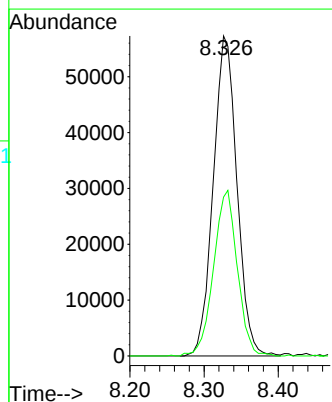
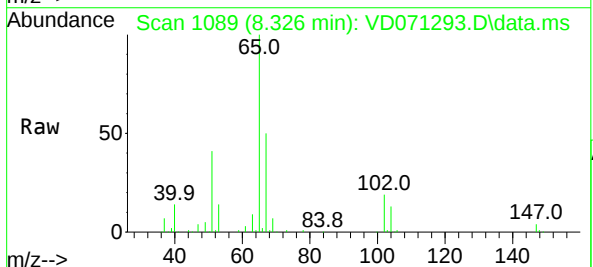


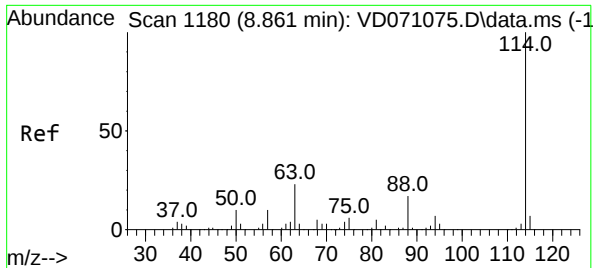
Tgt Ion: 56 Resp: 8470
Ion Ratio Lower Upper
56 100
69 130.9 25.9 38.9#
84 105.8 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 50.206 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

Tgt Ion: 65 Resp: 127124
Ion Ratio Lower Upper
65 100
67 52.0 0.0 112.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD071293.D

Acq: 13 Dec 2021 13:39

Instrument :

MSVOA_D

ClientSampleId :

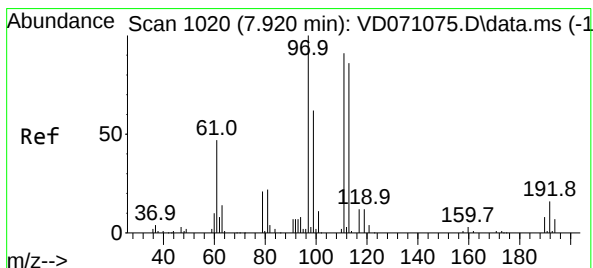
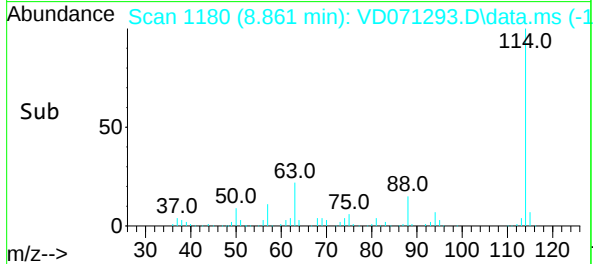
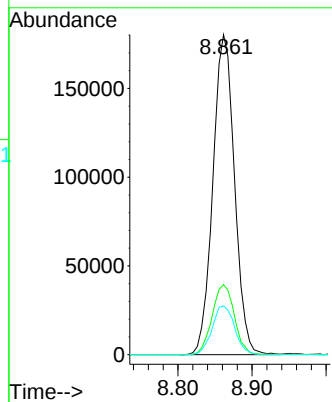
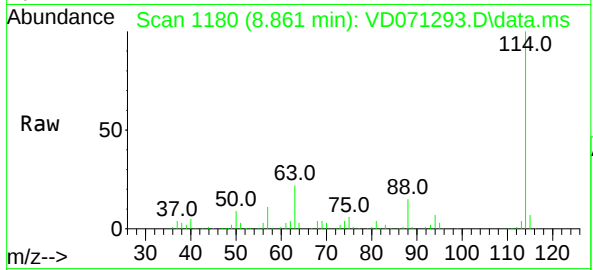
Tgt Ion:114 Resp: 365351

Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 15.2 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.098 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. -0.006 min

Lab File: VD071293.D

Acq: 13 Dec 2021 13:39

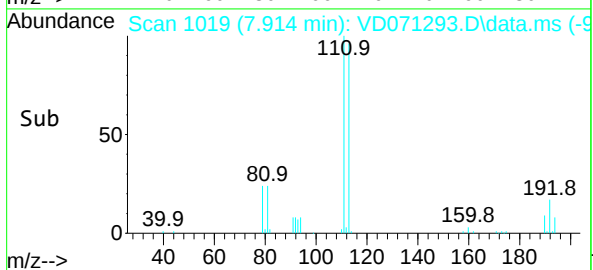
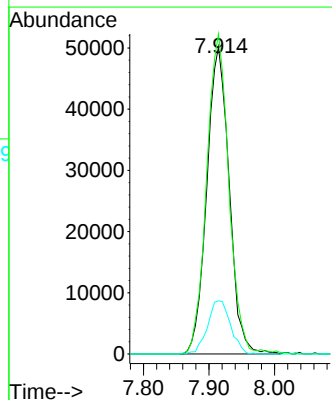
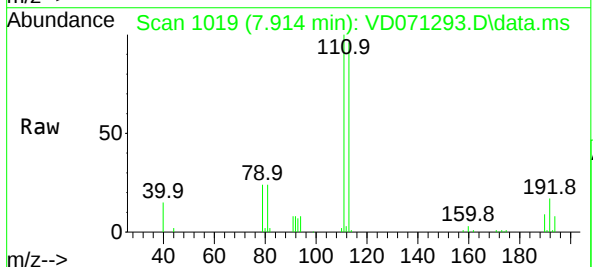
Tgt Ion:113 Resp: 118880

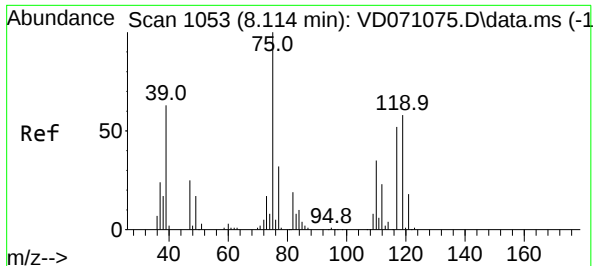
Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

192 17.8 15.2 22.8





#36

1,1-Dichloropropene

Concen: 6.120 ug/l

RT: 7.979 min Scan# 1028

Delta R.T. -0.135 min

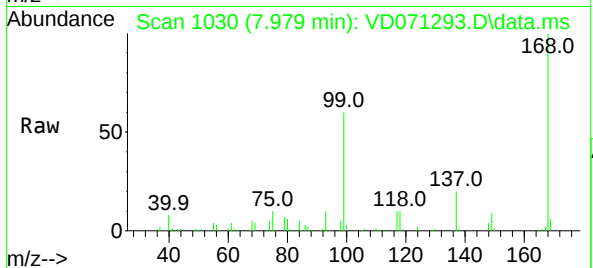
Lab File: VD071293.D

Acq: 13 Dec 2021 13:39

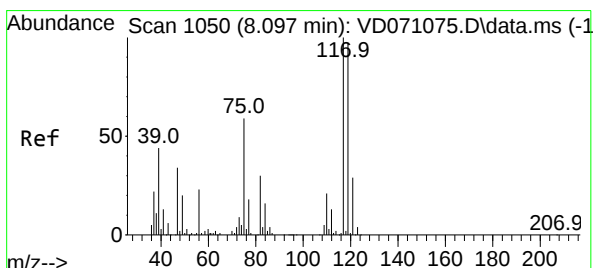
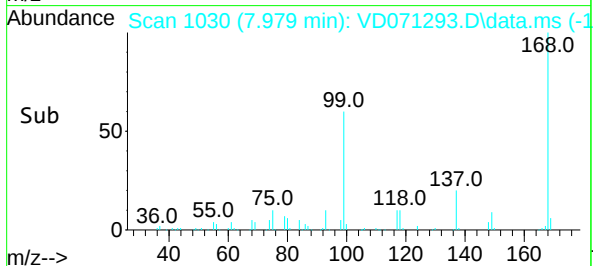
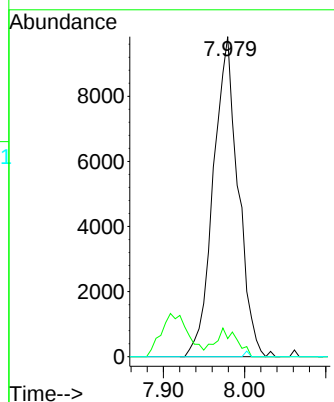
Instrument :

MSVOA_D

ClientSampleId :



Tgt Ion:	75	Resp:	20899
Ion Ratio	Lower	Upper	
75	100		
110	7.6	17.8	53.4#
77	0.0	24.8	37.2#



#38

Carbon Tetrachloride

Concen: 6.990 ug/l

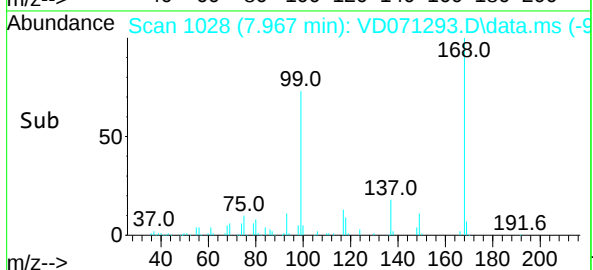
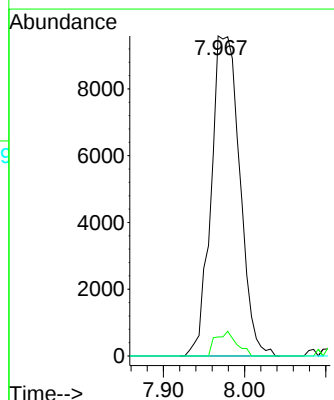
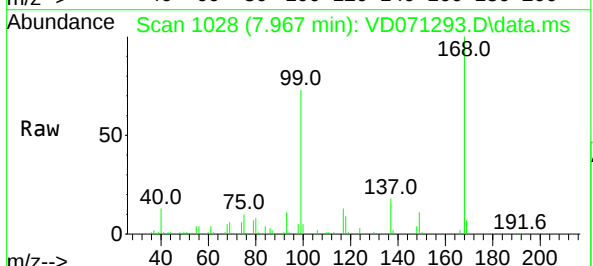
RT: 7.967 min Scan# 1028

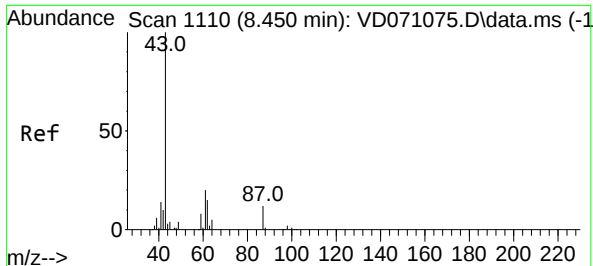
Delta R.T. -0.130 min

Lab File: VD071293.D

Acq: 13 Dec 2021 13:39

Tgt Ion:	117	Resp:	23528
Ion Ratio	Lower	Upper	
117	100		
119	5.9	75.8	113.6#
121	0.0	23.6	35.4#





#43

Isopropyl Acetate

Concen: 5.238 ug/l

RT: 8.467 min Scan# 1113

Delta R.T. 0.017 min

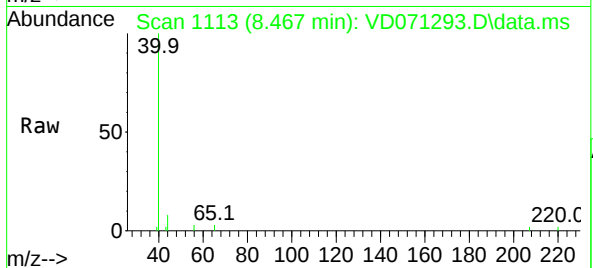
Lab File: VD071293.D

Acq: 13 Dec 2021 13:39

Instrument :

MSVOA_D

ClientSampleId :



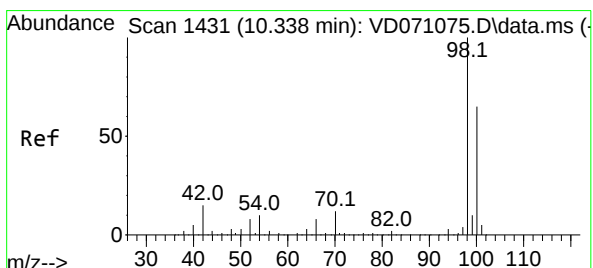
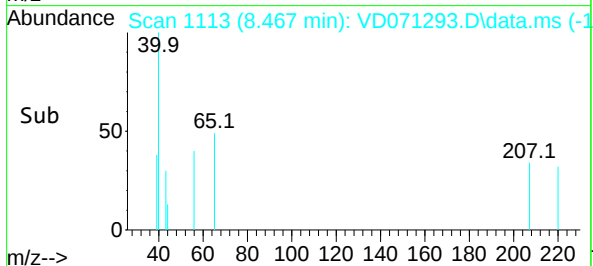
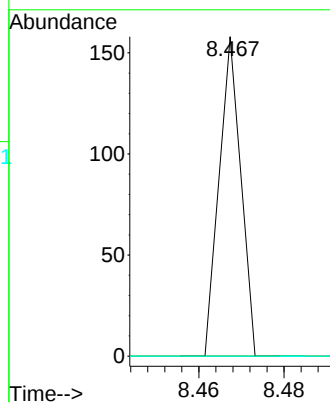
Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

61 0.0 28.2 42.4#

87 0.0 10.7 16.1#



#50

Toluene-d8

Concen: 53.503 ug/l

RT: 10.338 min Scan# 1431

Delta R.T. -0.000 min

Lab File: VD071293.D

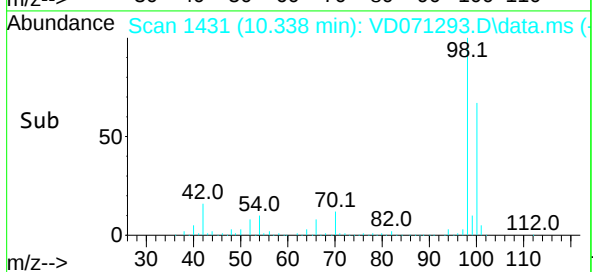
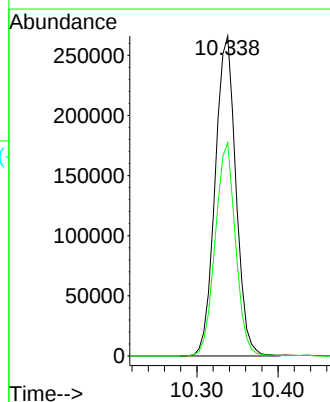
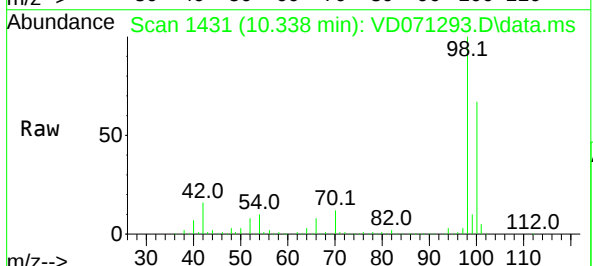
Acq: 13 Dec 2021 13:39

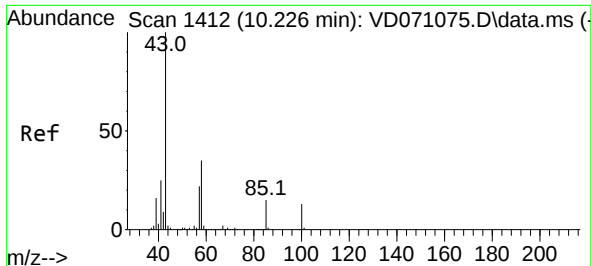
Tgt Ion: 98 Resp: 473693

Ion Ratio Lower Upper

98 100

100 65.3 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 31.303 ug/l

RT: 10.232 min Scan# 1413

Delta R.T. 0.006 min

Lab File: VD071293.D

Acq: 13 Dec 2021 13:39

Instrument :

MSVOA_D

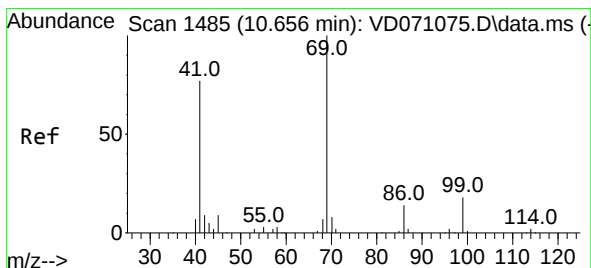
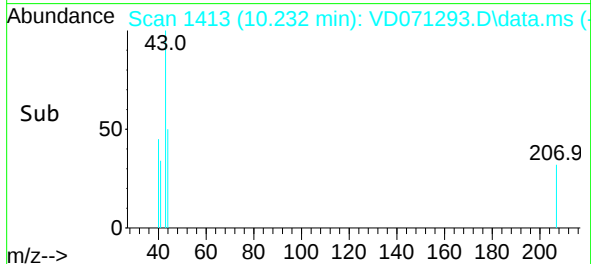
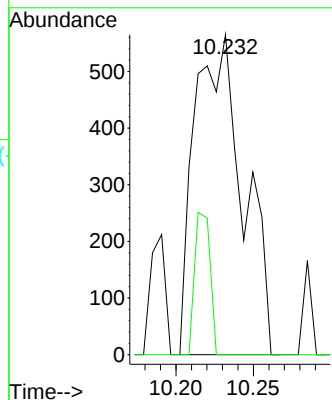
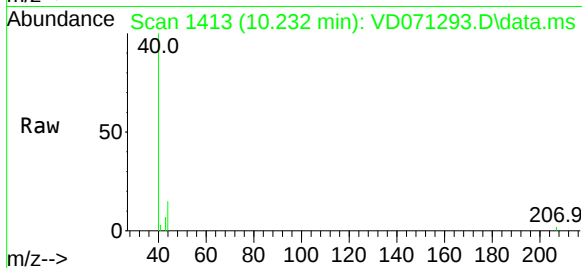
ClientSampleId :

Tgt Ion: 43 Resp: 1234

Ion Ratio Lower Upper

43 100

58 14.1 33.1 49.7#



#56

Ethyl methacrylate

Concen: 6.030 ug/l

RT: 10.667 min Scan# 1487

Delta R.T. 0.011 min

Lab File: VD071293.D

Acq: 13 Dec 2021 13:39

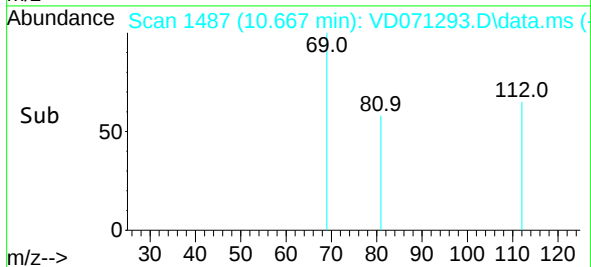
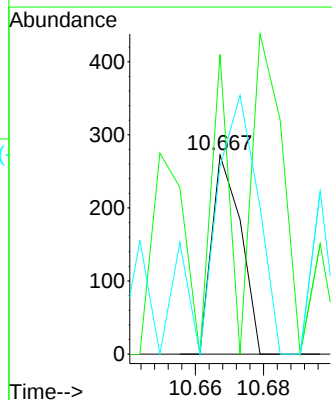
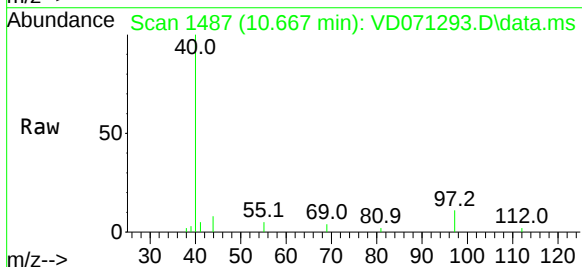
Tgt Ion: 69 Resp: 161

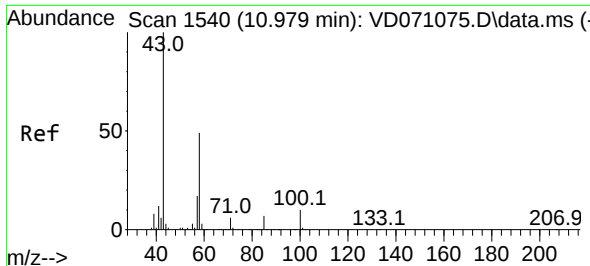
Ion Ratio Lower Upper

69 100

41 289.4 50.2 75.2#

39 211.8 19.8 29.8#

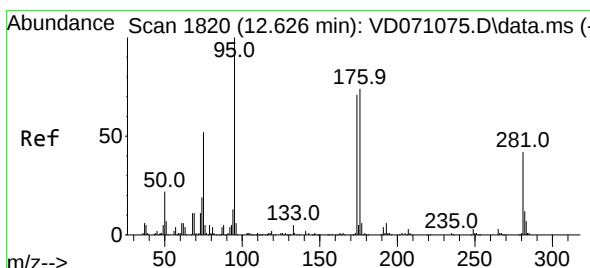
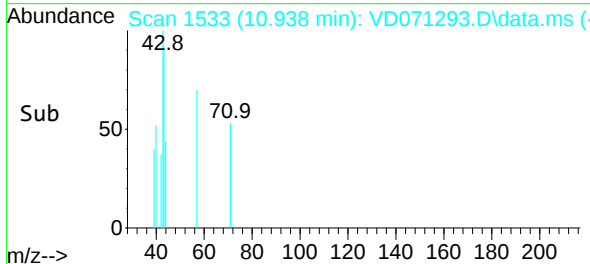
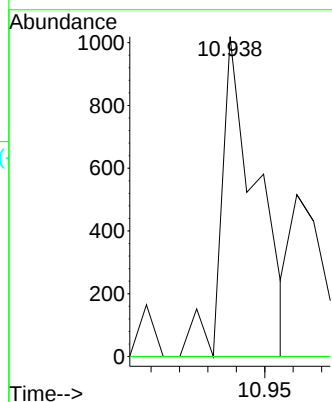
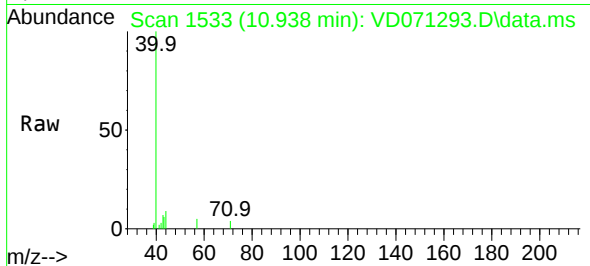




#59
2-Hexanone
Concen: 35.184 ug/l
RT: 10.938 min Scan# 1533
Delta R.T. -0.041 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

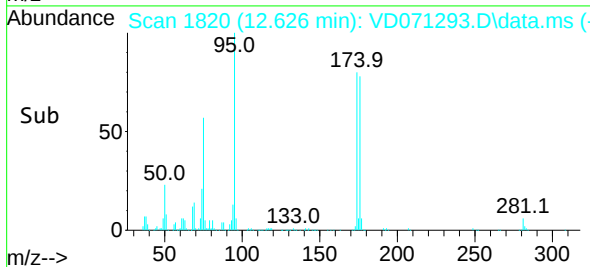
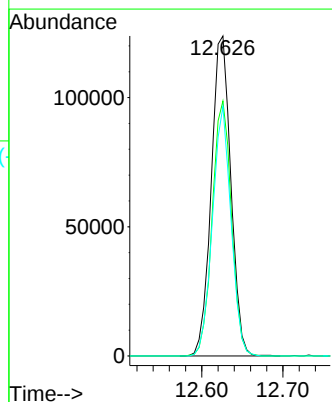
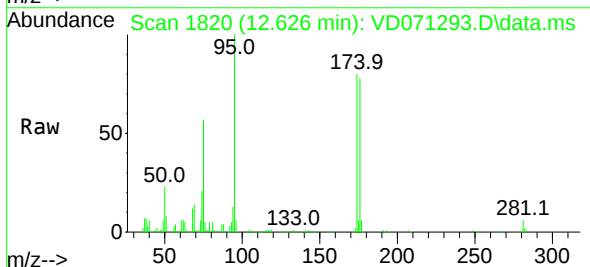
Instrument :
MSVOA_D
ClientSampleId :

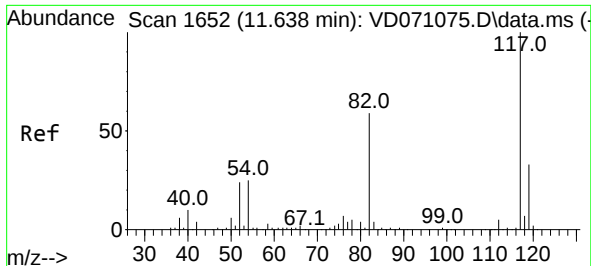
Tgt Ion: 43 Resp: 888
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 67.567 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

Tgt Ion: 95 Resp: 207361
Ion Ratio Lower Upper
95 100
174 78.1 0.0 159.4
176 73.9 0.0 154.0

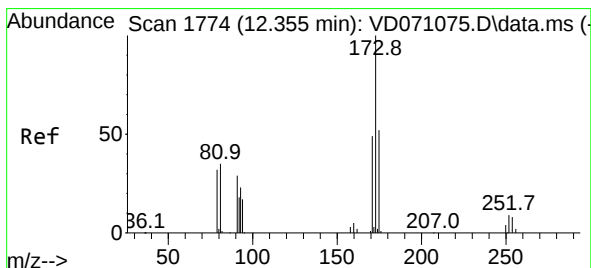
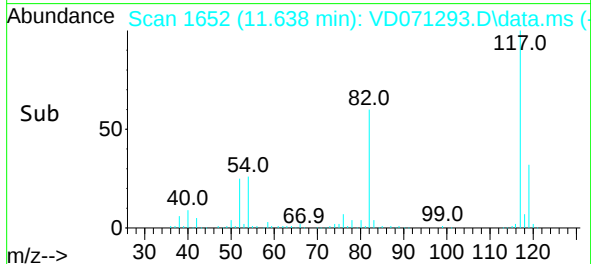
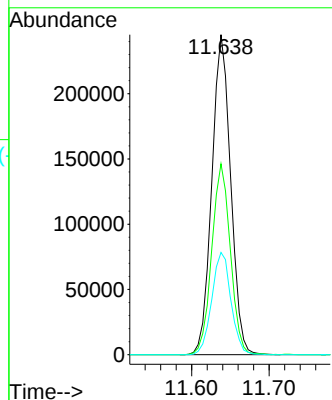
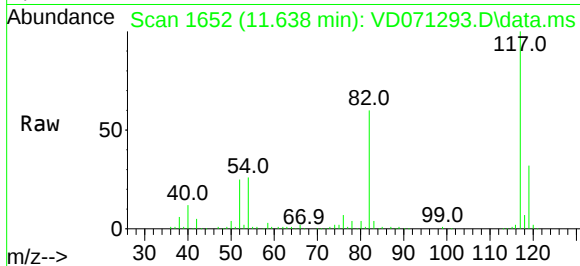




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. -0.000 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

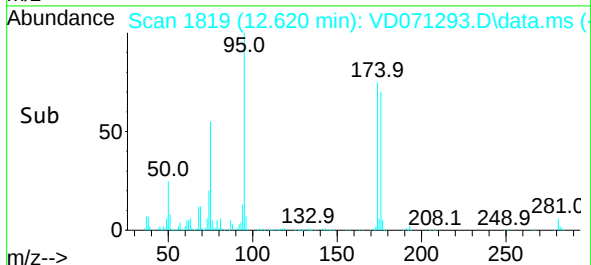
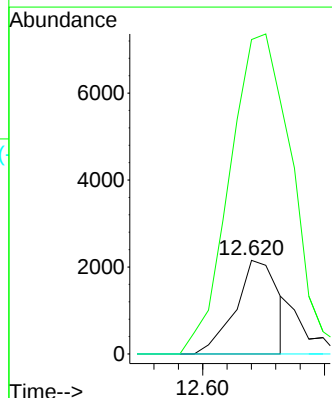
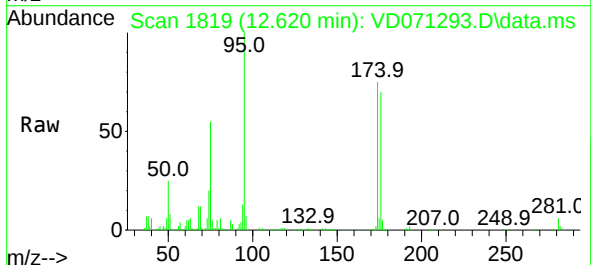
Instrument :
MSVOA_D
ClientSampleId :

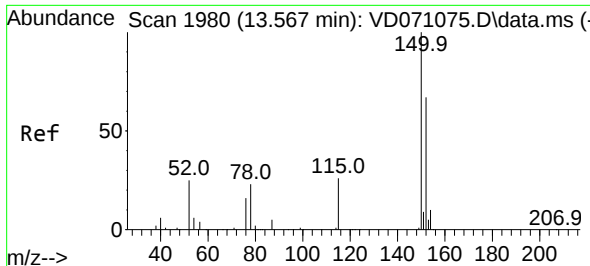
Tgt Ion:117 Resp: 413476
Ion Ratio Lower Upper
117 100
82 59.7 44.7 67.1
119 32.0 26.2 39.4



#71
Bromoform
Concen: 1.793 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.265 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

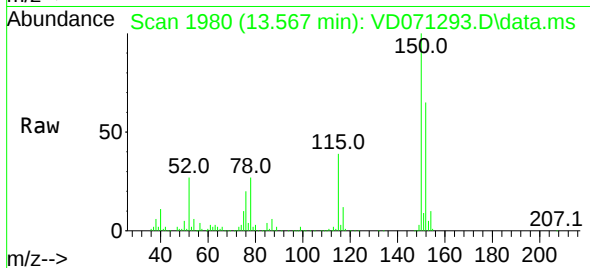
Tgt Ion:173 Resp: 2602
Ion Ratio Lower Upper
173 100
175 412.1 24.1 72.2#
254 0.0 0.1 0.1#



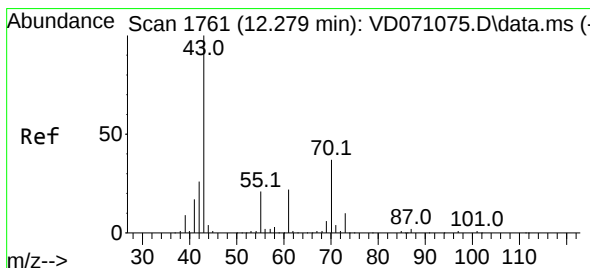
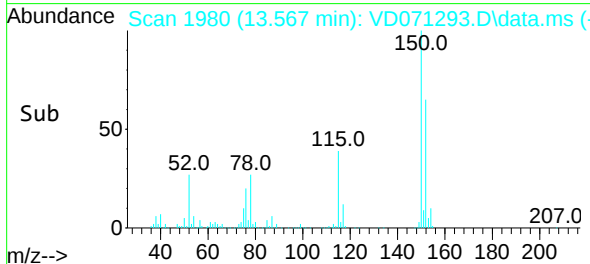
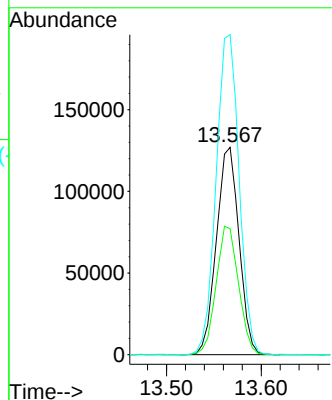


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

Instrument :
MSVOA_D
ClientSampleId :

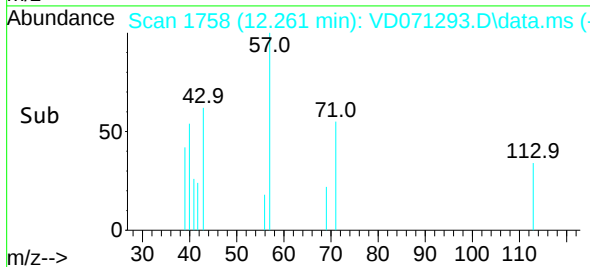
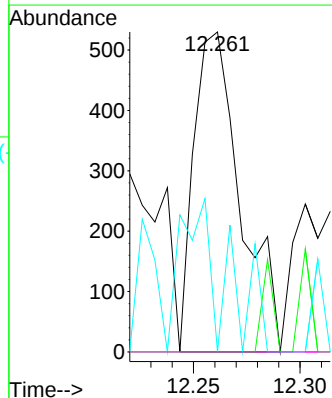
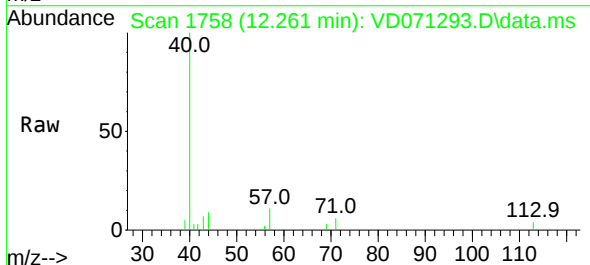


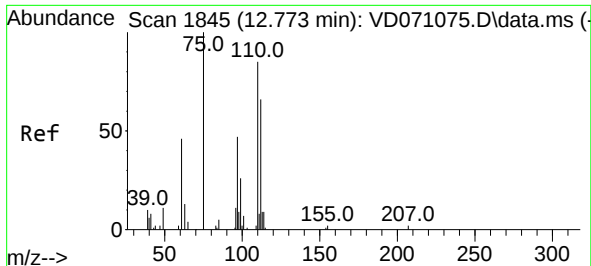
Tgt Ion:152 Resp: 210793
Ion Ratio Lower Upper
152 100
115 61.2 29.8 89.3
150 156.9 0.0 349.2



#74
N-ethyl acetate
Concen: 5.872 ug/l
RT: 12.261 min Scan# 1758
Delta R.T. -0.018 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

Tgt Ion: 43 Resp: 808
Ion Ratio Lower Upper
43 100
70 0.0 36.6 55.0#
55 29.1 22.5 33.7
61 0.0 20.5 30.7#

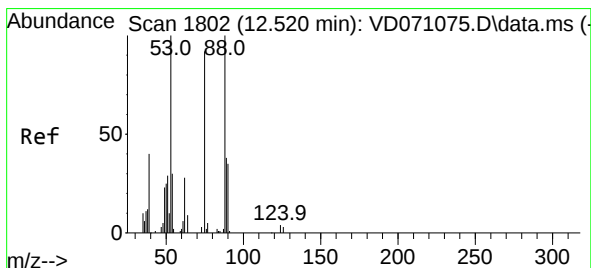
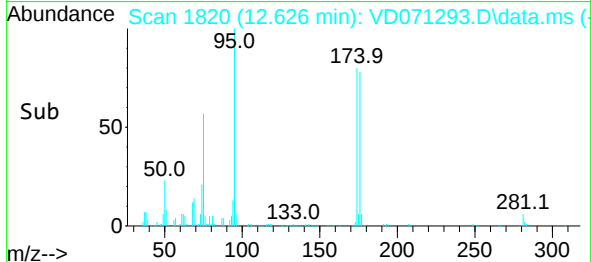
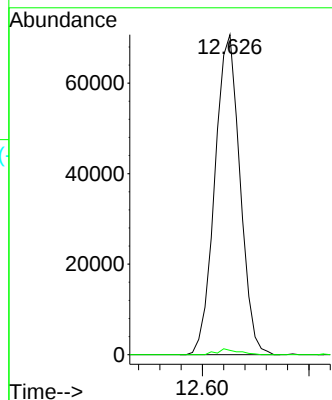
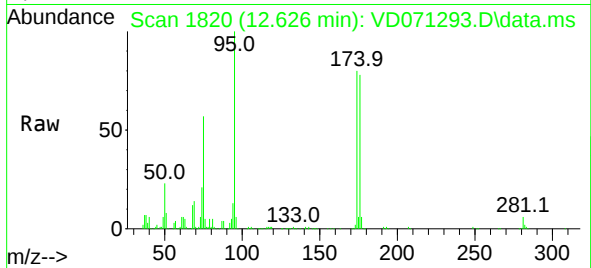




#76
1,2,3-Trichloropropane
Concen: 57.613 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.147 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

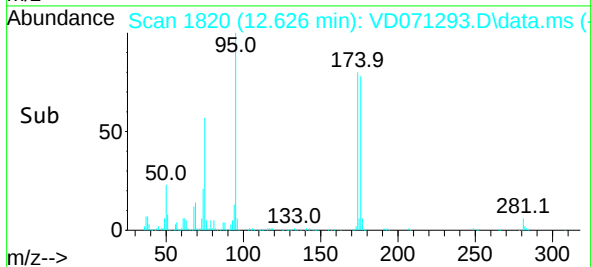
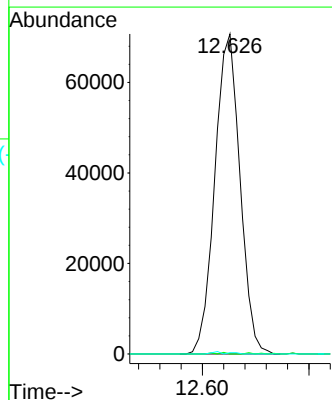
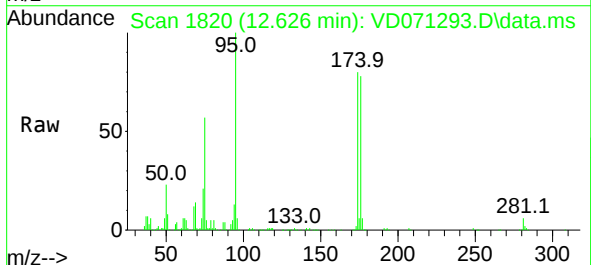
Instrument :
MSVOA_D
ClientSampleId :

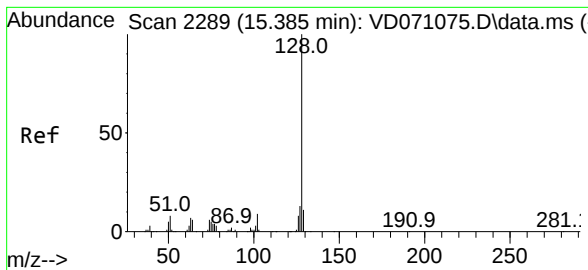
Tgt Ion: 75 Resp: 115707
Ion Ratio Lower Upper
75 100
77 1.5 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 124.966 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.106 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

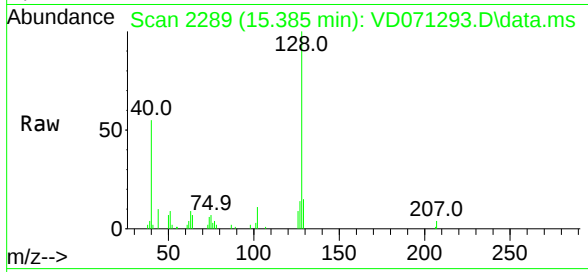
Tgt Ion: 75 Resp: 115707
Ion Ratio Lower Upper
75 100
53 0.1 62.6 94.0#
89 0.4 34.5 51.7#





#95
Naphthalene
Concen: 3.867 ug/l
RT: 15.385 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD071293.D
Acq: 13 Dec 2021 13:39

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	23796
Ion	Ratio	Lower	Upper
128	100		
127	15.7	10.7	16.1
129	12.7	8.7	13.1

