

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD121021\
 Data File : VD071252.D
 Acq On : 10 Dec 2021 15:27
 Operator : VA/SY
 Sample : M4973-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :

Quant Time: Dec 11 04:39:57 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)

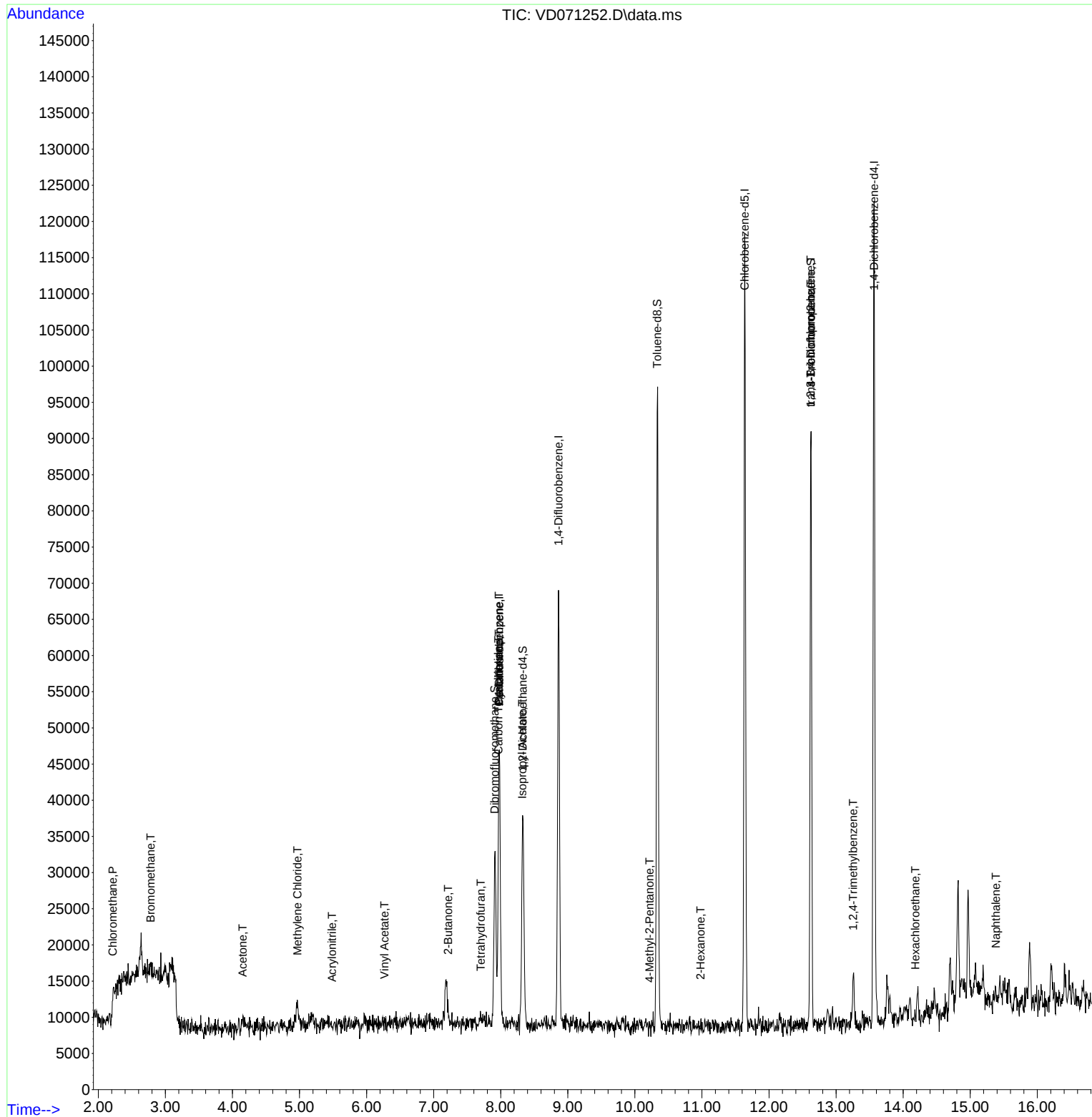
Internal Standards						
1) Pentafluorobenzene	7.979	168	26331	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	45360	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	53831	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.567	152	28871	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	23379	75.67	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 151.34%			
35) Dibromofluoromethane	7.909	113	15657	54.21	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.42%			
50) Toluene-d8	10.332	98	58556	53.27	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.54%			
62) 4-Bromofluorobenzene	12.626	95	26188	68.73	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 137.46%			
Target Compounds					Qvalue	
3) Chloromethane	2.215	50	357	1.20	ug/l #	42
5) Bromomethane	2.779	94	407	1.70	ug/l #	54
11) Tert butyl alcohol	5.232	59	124	Below Cal	#	71
15) Acrylonitrile	5.485	53	63	1.06	ug/l #	69
16) Acetone	4.150	43	1211	43.74	ug/l	97
20) Methylene Chloride	4.968	84	1625	1.13	ug/l #	84
23) Vinyl Acetate	6.267	43	74	27.35	ug/l #	72
25) 2-Butanone	7.215	43	241	30.61	ug/l #	45
29) Tetrahydrofuran	7.703	42	69	1.41	ug/l #	34
31) Cyclohexane	7.973	56	749	1.43	ug/l #	26
36) 1,1-Dichloropropene	7.973	75	2733	6.45	ug/l #	41
38) Carbon Tetrachloride	7.967	117	1578	3.78	ug/l #	12
41) Methacrylonitrile	7.497	41	70	Below Cal	#	1
43) Isopropyl Acetate	8.320	43	66	5.37	ug/l #	1
51) 4-Methyl-2-Pentanone	10.220	43	355	32.16	ug/l #	34
59) 2-Hexanone	10.979	43	55	34.88	ug/l #	22
76) 1,2,3-Trichloropropane	12.620	75	15158	55.11	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	15158	119.78	ug/l #	18
84) 1,2,4-Trimethylbenzene	13.255	105	3967	2.36	ug/l	96
90) Hexachloroethane	14.179	117	692	1.97	ug/l #	14
95) Naphthalene	15.385	128	1980	2.35	ug/l #	77

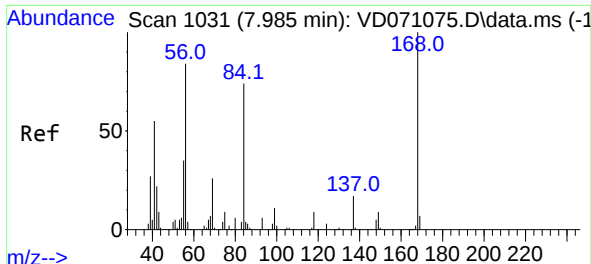
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

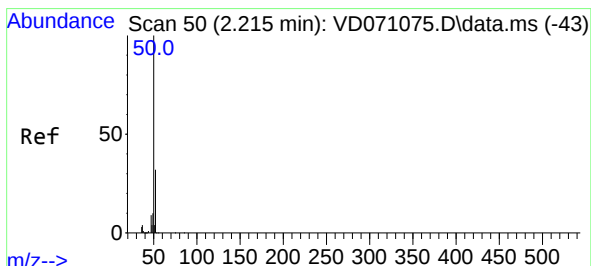
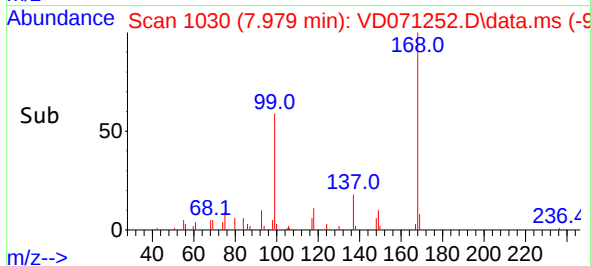
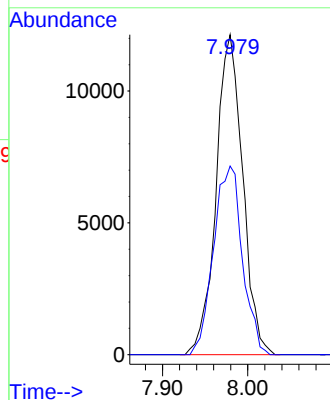
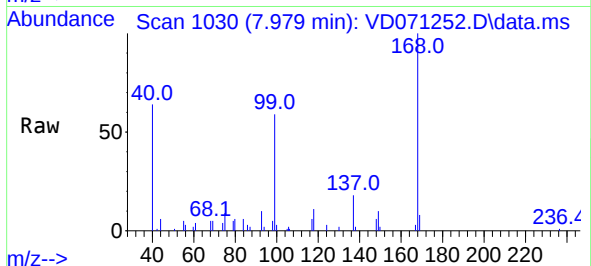




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.979 min Scan# 10
Delta R.T. -0.006 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

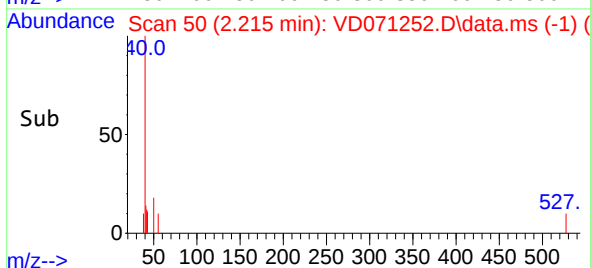
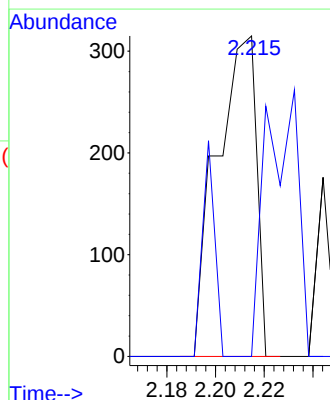
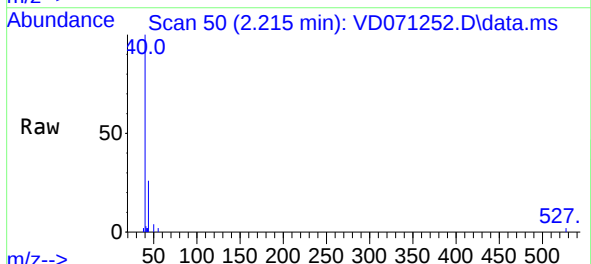
Instrument :
MSVOA_D
ClientSampleId :

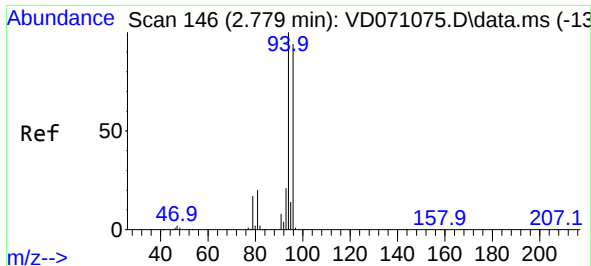
Tgt Ion:168 Resp: 26331
Ion Ratio Lower Upper
168 100
99 59.0 46.6 69.8



#3
Chloromethane
Concen: 1.20 ug/l
RT: 2.215 min Scan# 50
Delta R.T. -0.000 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

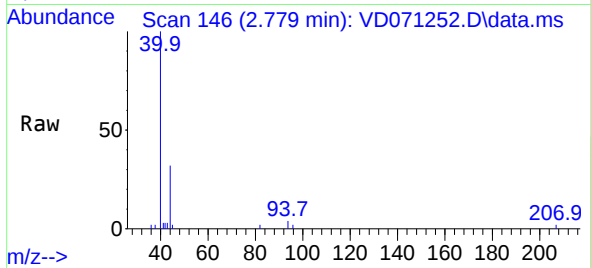
Tgt Ion: 50 Resp: 357
Ion Ratio Lower Upper
50 100
52 0.0 25.8 38.8#



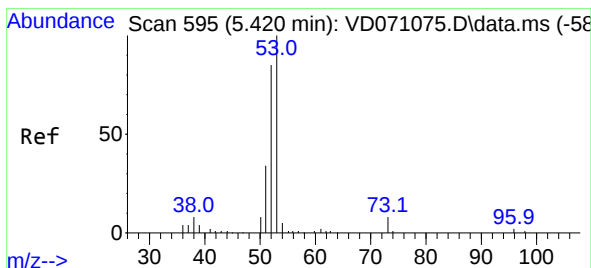
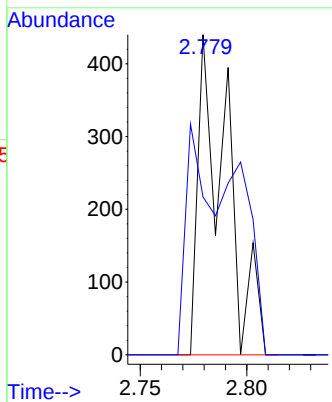
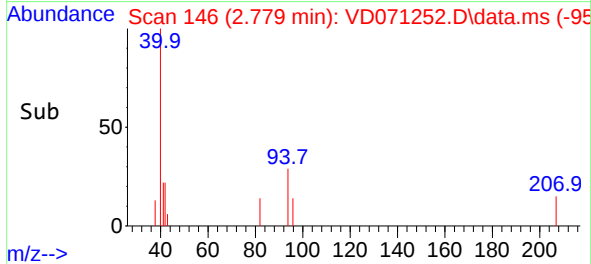


#5
Bromomethane
Concen: 1.70 ug/l
RT: 2.779 min Scan# 14
Delta R.T. 0.000 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

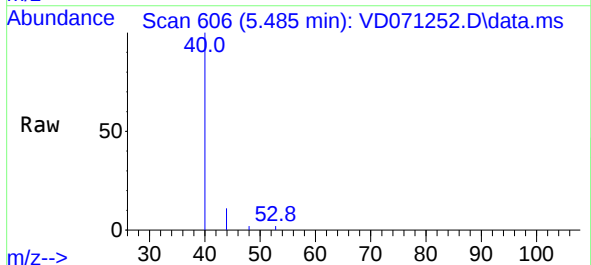
Instrument :
MSVOA_D
ClientSampleId :



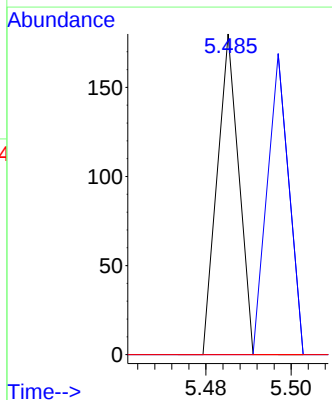
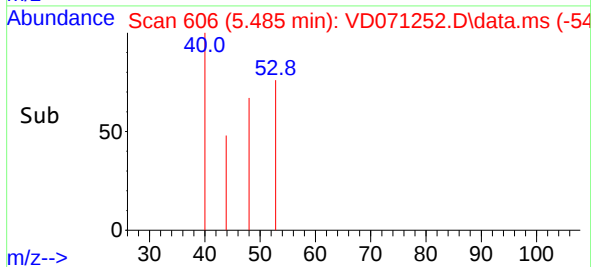
Tgt Ion: 94 Resp: 407
Ion Ratio Lower Upper
94 100
96 49.3 74.8 112.2#

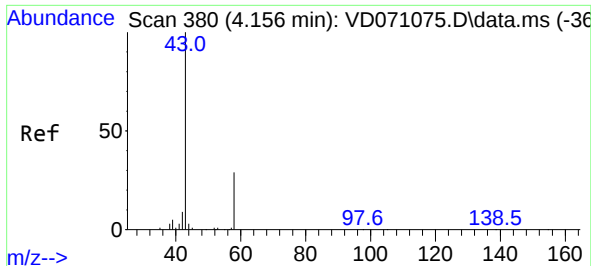


#15
Acrylonitrile
Concen: 1.06 ug/l
RT: 5.485 min Scan# 606
Delta R.T. 0.065 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27



Tgt Ion: 53 Resp: 63
Ion Ratio Lower Upper
53 100
52 95.2 63.8 95.8
51 0.0 28.5 42.7#

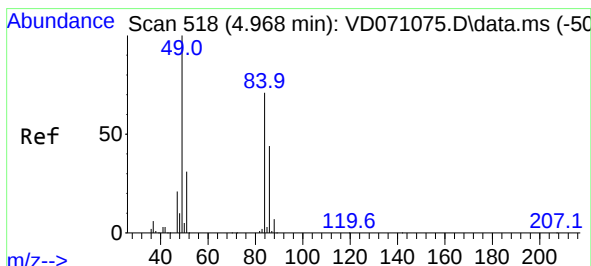
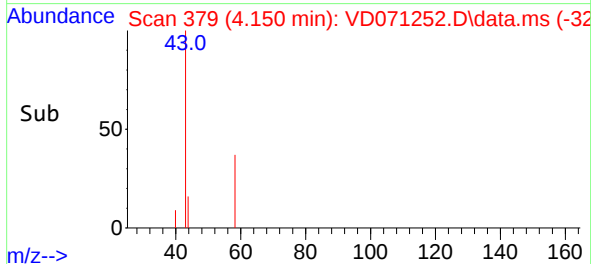
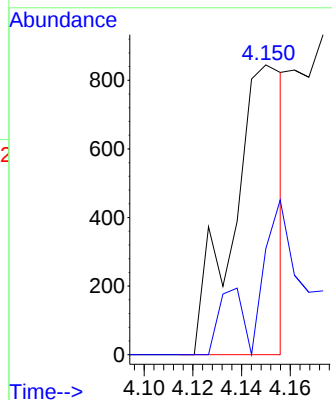
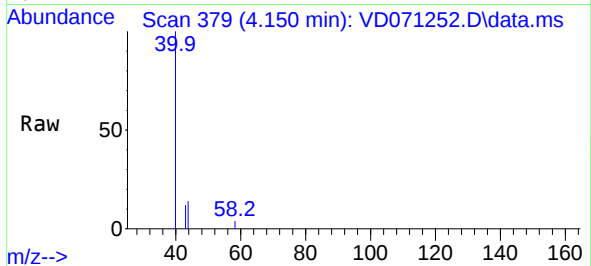




#16
Acetone
Concen: 43.74 ug/l
RT: 4.150 min Scan# 31
Delta R.T. -0.006 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

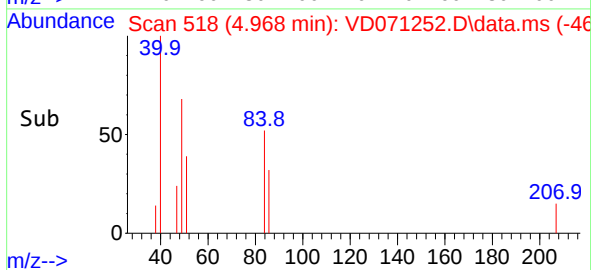
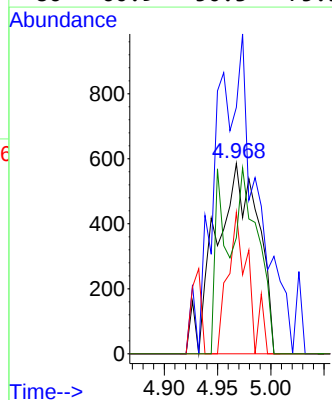
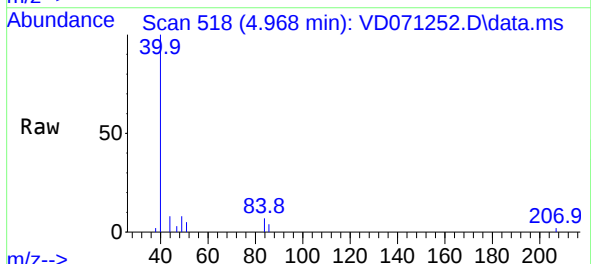
Instrument :
MSVOA_D
ClientSampleId :

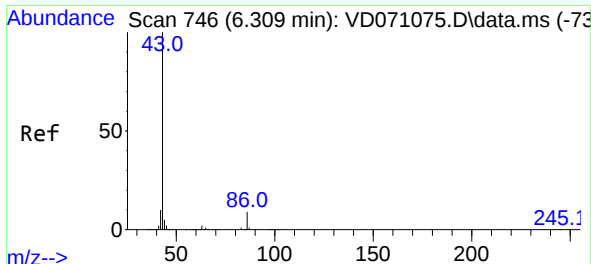
Tgt Ion: 43 Resp: 1211
Ion Ratio Lower Upper
43 100
58 36.6 27.8 41.8



#20
Methylene Chloride
Concen: 1.13 ug/l
RT: 4.968 min Scan# 518
Delta R.T. -0.000 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

Tgt Ion: 84 Resp: 1625
Ion Ratio Lower Upper
84 100
49 129.4 95.8 143.6
51 74.2 30.9 46.3#
86 60.9 50.3 75.5





#23

Vinyl Acetate

Concen: 27.35 ug/l

RT: 6.267 min Scan# 74

Delta R.T. -0.042 min

Lab File: VD071252.D

Acq: 10 Dec 2021 15:27

Instrument :

MSVOA_D

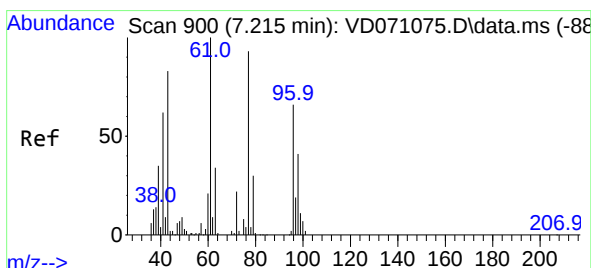
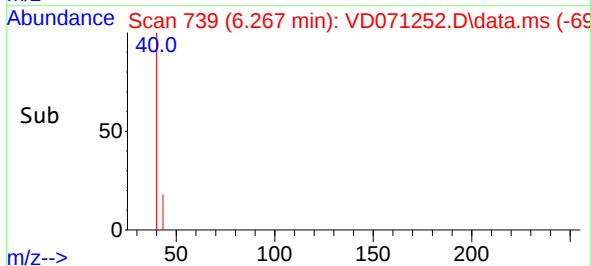
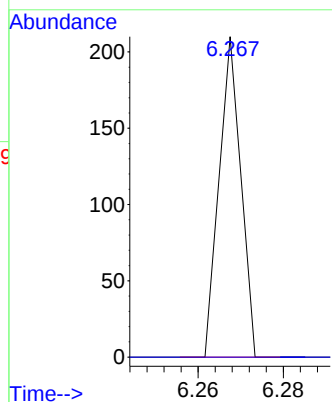
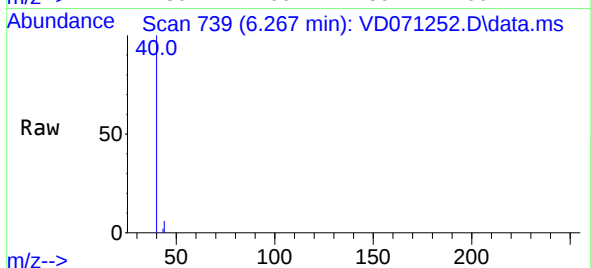
ClientSampleId :

Tgt Ion: 43 Resp: 74

Ion Ratio Lower Upper

43 100

86 0.0 8.2 12.4#



#25

2-Butanone

Concen: 30.61 ug/l

RT: 7.215 min Scan# 900

Delta R.T. -0.000 min

Lab File: VD071252.D

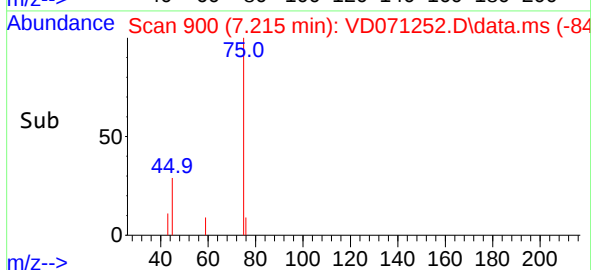
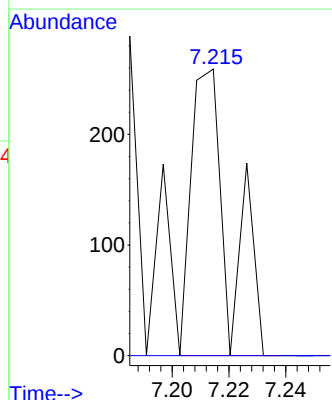
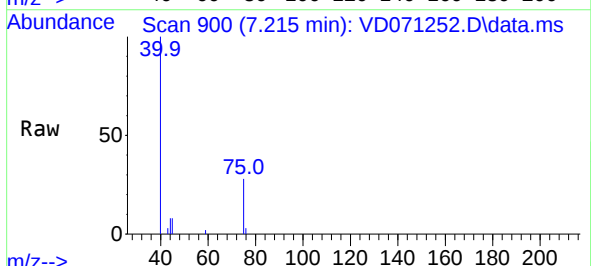
Acq: 10 Dec 2021 15:27

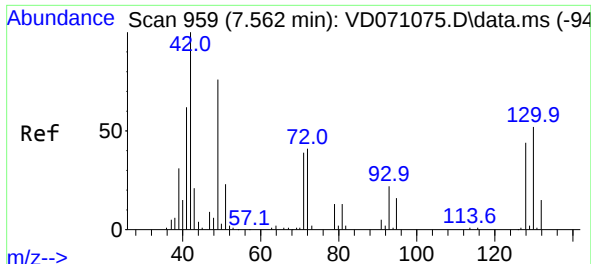
Tgt Ion: 43 Resp: 241

Ion Ratio Lower Upper

43 100

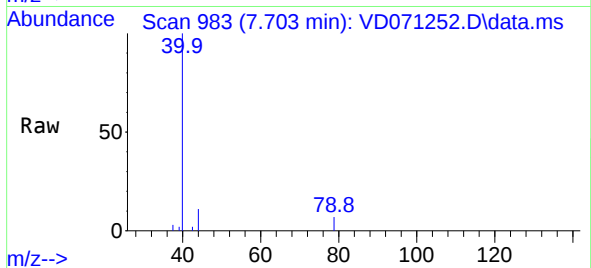
72 0.0 23.8 35.6#





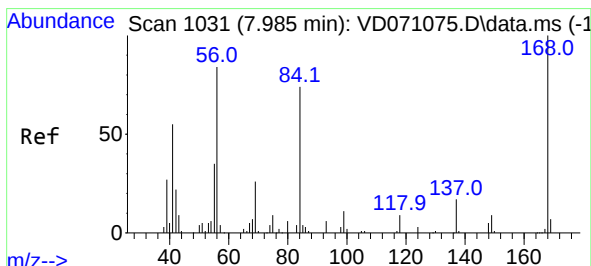
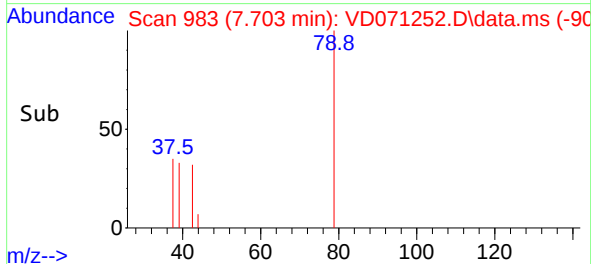
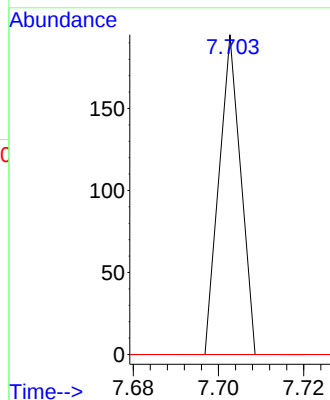
#29
Tetrahydrofuran
Concen: 1.41 ug/l
RT: 7.703 min Scan# 91
Delta R.T. 0.141 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion: 42 Resp: 69

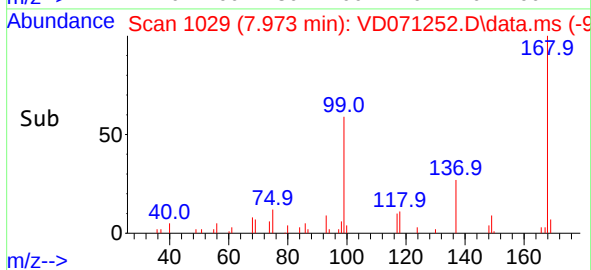
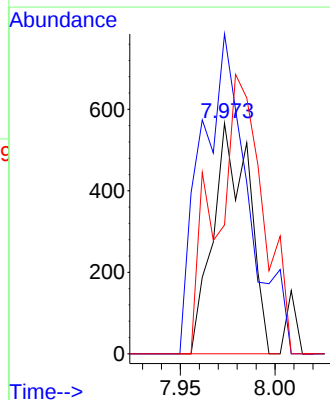
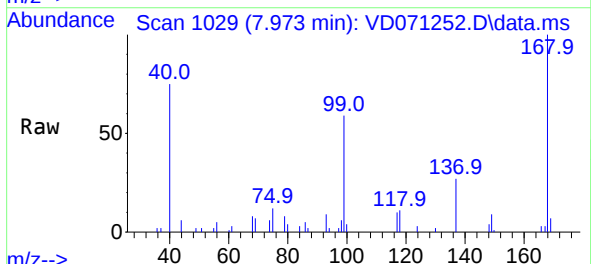
Ion	Ratio	Lower	Upper
42	100		
72	0.0	33.7	50.5#
71	0.0	32.7	49.1#

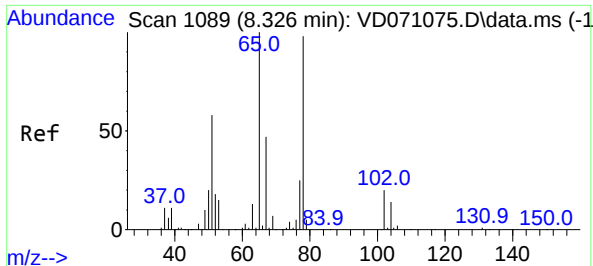


#31
Cyclohexane
Concen: 1.43 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.012 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

Tgt Ion: 56 Resp: 749

Ion	Ratio	Lower	Upper
56	100		
69	138.7	25.9	38.9#
84	55.8	64.3	96.5#

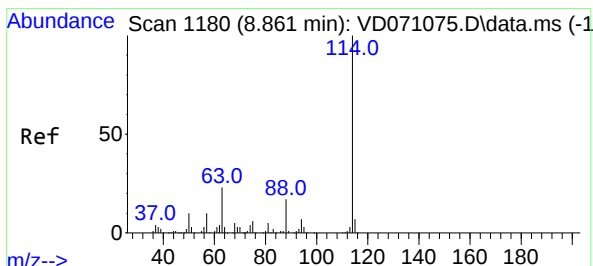
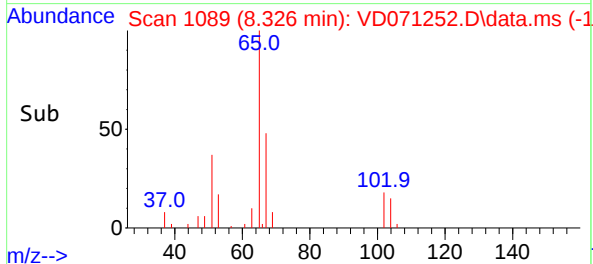
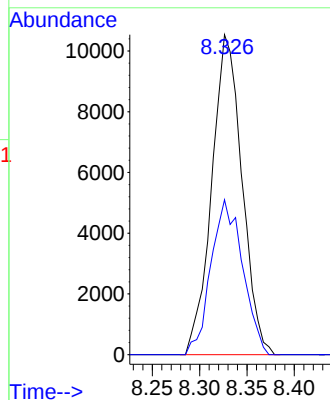
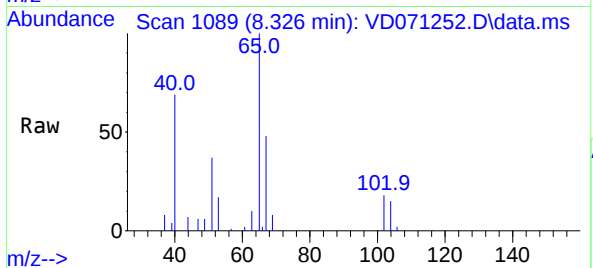




#33
1,2-Dichloroethane-d4
Concen: 75.67 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

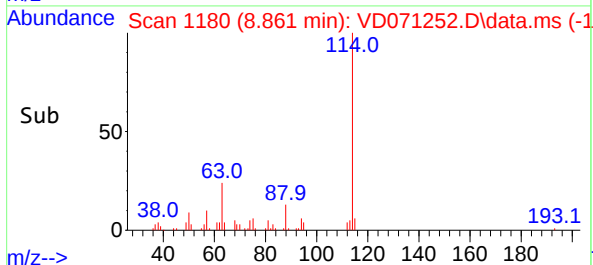
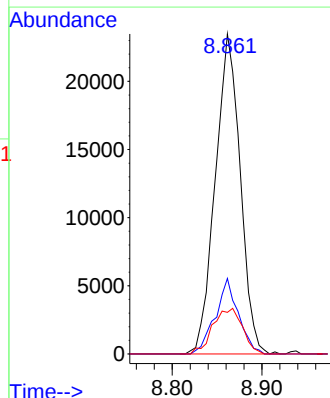
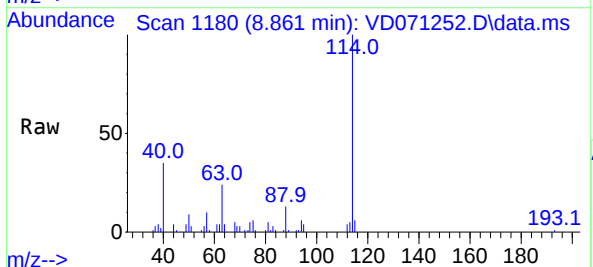
Instrument :
MSVOA_D
ClientSampleId :

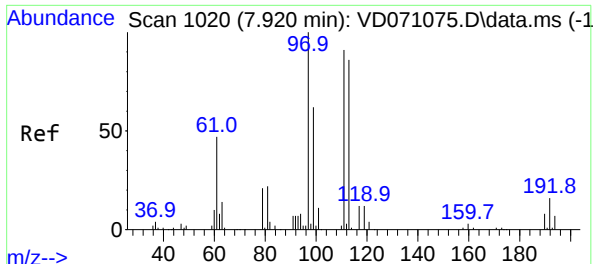
Tgt Ion: 65 Resp: 23379
Ion Ratio Lower Upper
65 100
67 50.8 0.0 112.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.861 min Scan# 1180
Delta R.T. 0.000 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

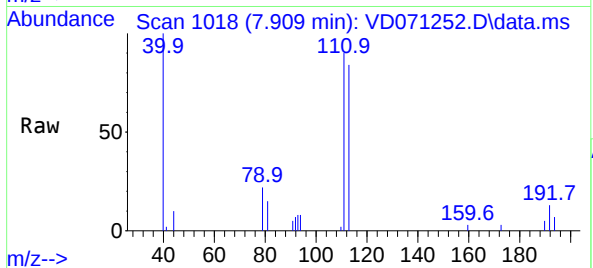
Tgt Ion: 114 Resp: 45360
Ion Ratio Lower Upper
114 100
63 23.6 0.0 41.8
88 13.0 0.0 32.8



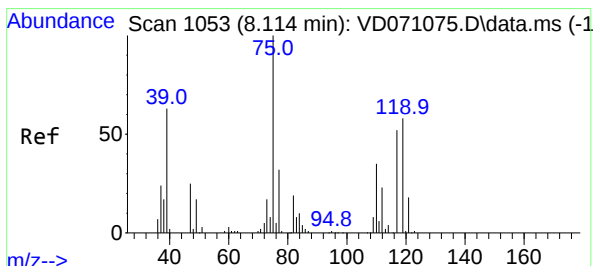
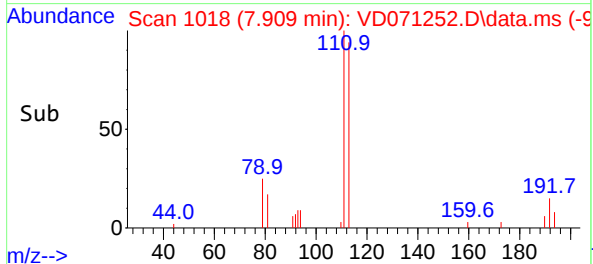
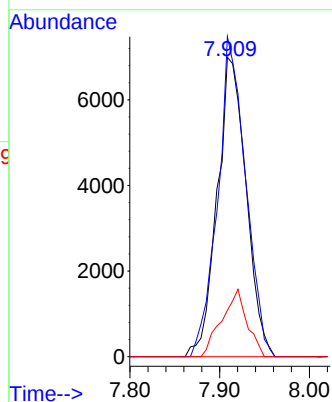


#35
Dibromofluoromethane
Concen: 54.21 ug/l
RT: 7.909 min Scan# 1018
Delta R.T. -0.011 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

Instrument :
MSVOA_D
ClientSampleId :

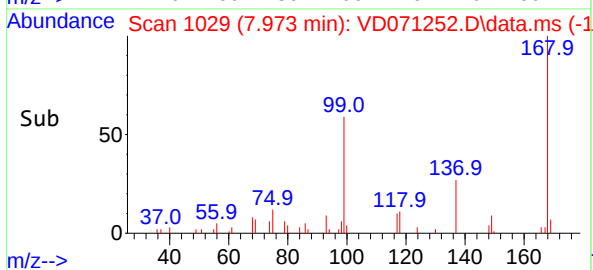
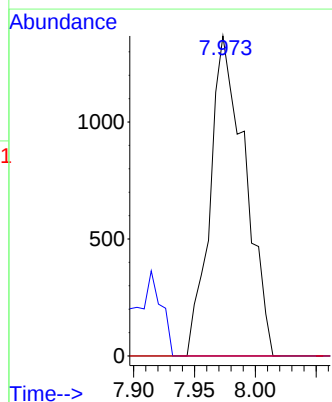
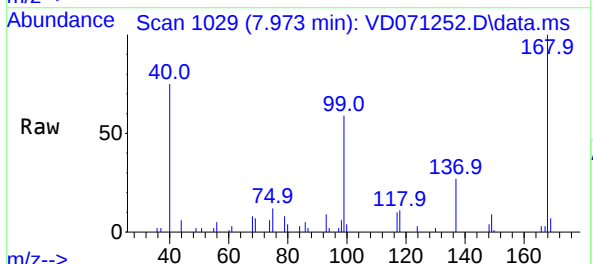


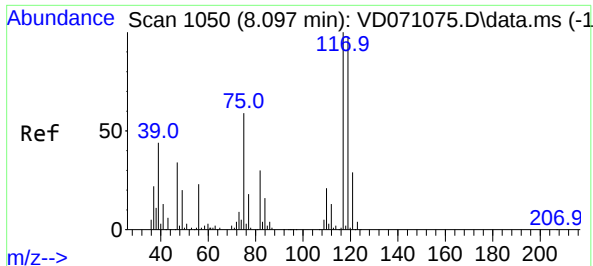
Tgt Ion:113 Resp: 15657
Ion Ratio Lower Upper
113 100
111 103.3 82.0 123.0
192 19.6 15.2 22.8



#36
1,1-Dichloropropene
Concen: 6.45 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.141 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

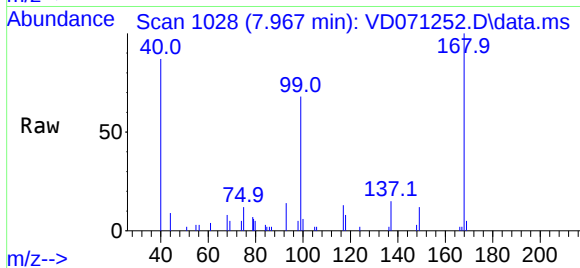
Tgt Ion: 75 Resp: 2733
Ion Ratio Lower Upper
75 100
110 0.0 17.8 53.4#
77 0.0 24.8 37.2#



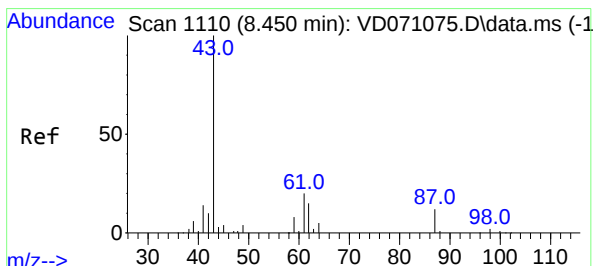
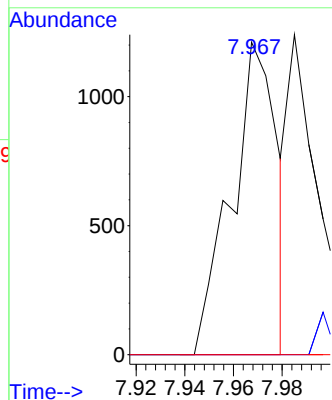
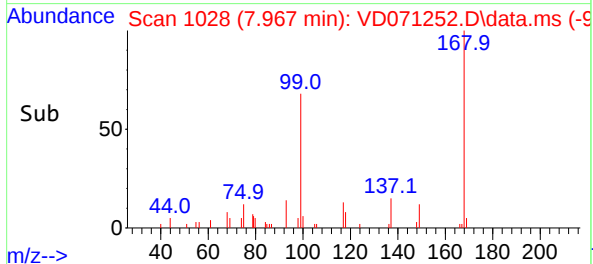


#38
Carbon Tetrachloride
Concen: 3.78 ug/l
RT: 7.967 min Scan# 1087
Delta R.T. -0.130 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

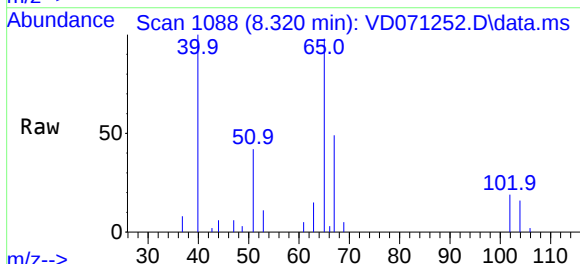
Instrument :
MSVOA_D
ClientSampleId :



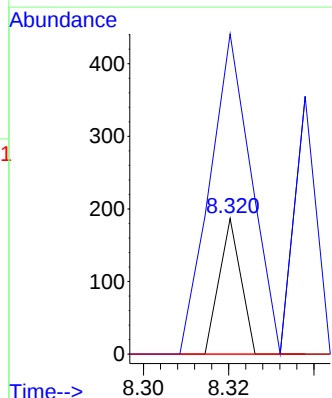
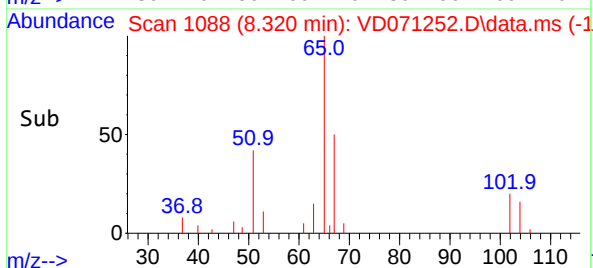
Tgt Ion:117 Resp: 1578
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 23.6 35.4#

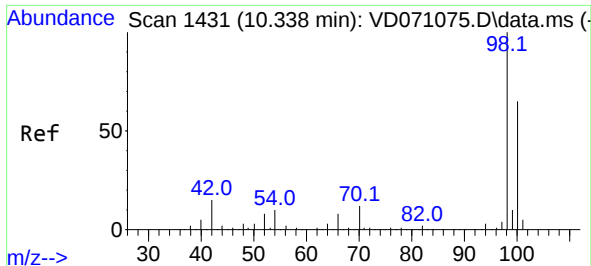


#43
Isopropyl Acetate
Concen: 5.37 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.130 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27



Tgt Ion: 43 Resp: 66
Ion Ratio Lower Upper
43 100
61 451.5 28.2 42.4#
87 0.0 10.7 16.1#

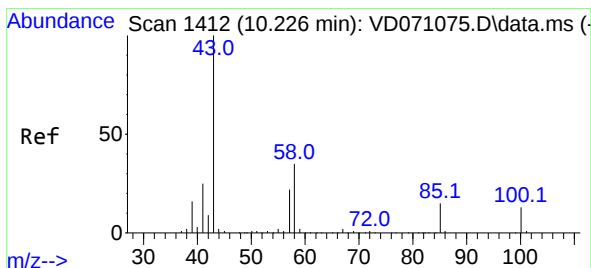
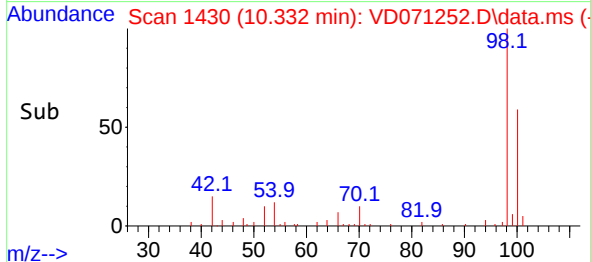
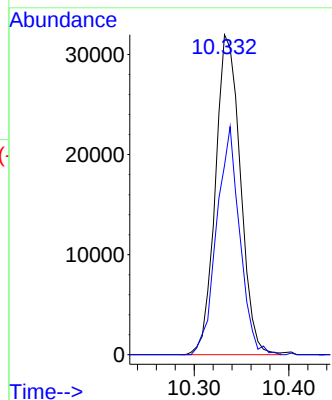
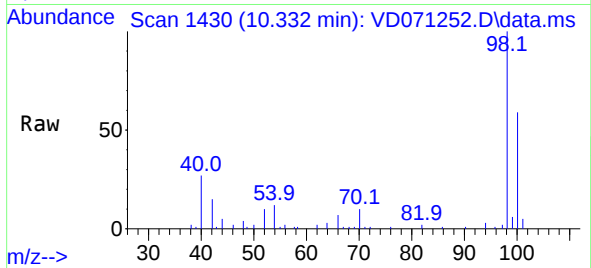




#50
Toluene-d8
Concen: 53.27 ug/l
RT: 10.332 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

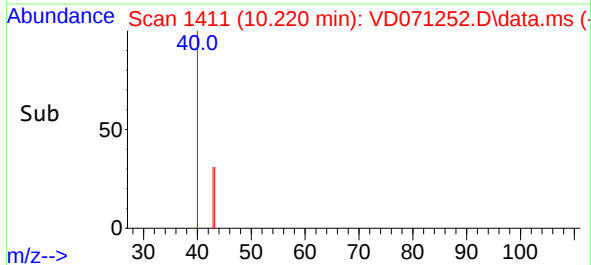
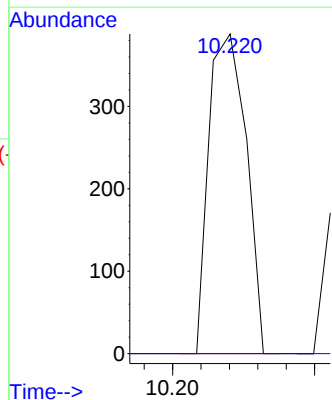
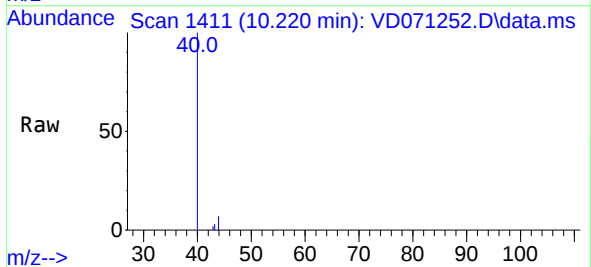
Instrument :
MSVOA_D
ClientSampleId :

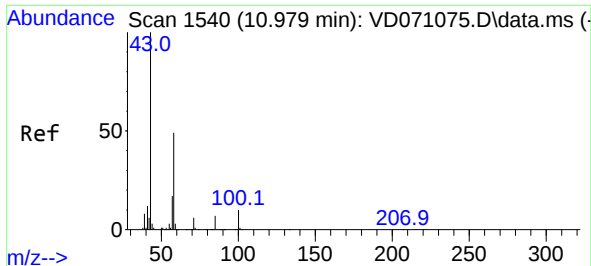
Tgt Ion: 98 Resp: 58556
Ion Ratio Lower Upper
98 100
100 66.1 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 32.16 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

Tgt Ion: 43 Resp: 355
Ion Ratio Lower Upper
43 100
58 0.0 33.1 49.7#

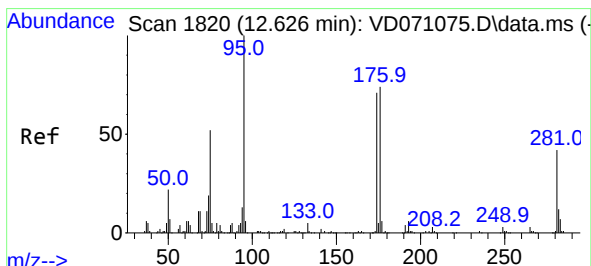
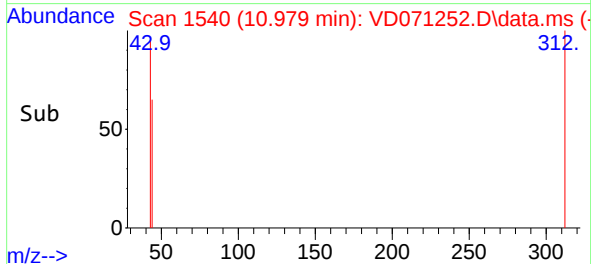
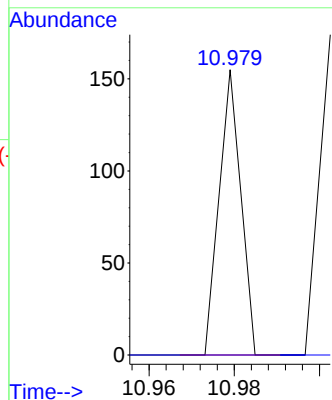
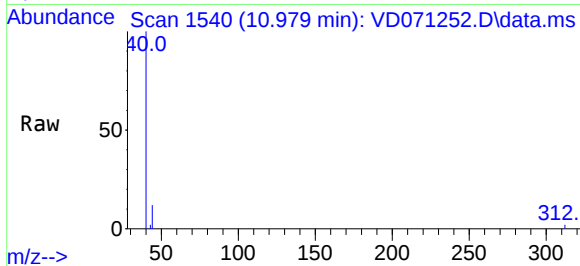




#59
2-Hexanone
Concen: 34.88 ug/l
RT: 10.979 min Scan# 11
Delta R.T. 0.000 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

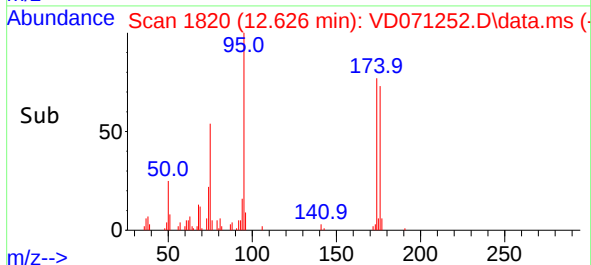
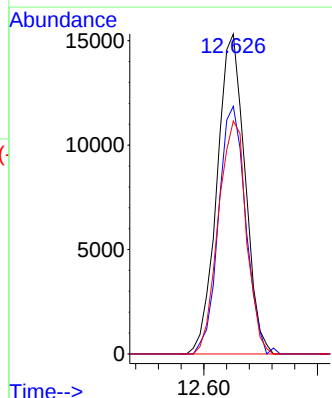
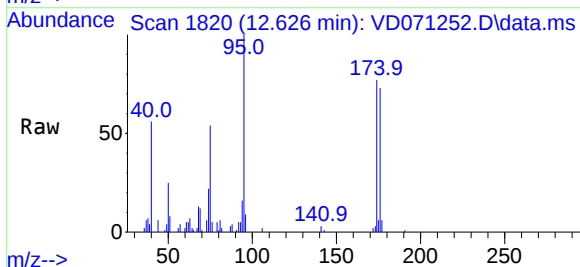
Instrument :
MSVOA_D
ClientSampleId :

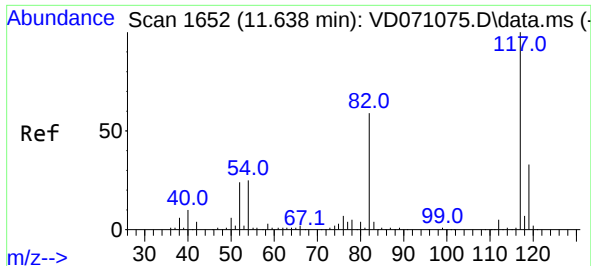
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 28.7 86.1#



#62
4-Bromofluorobenzene
Concen: 68.73 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.000 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

Tgt Ion: 95 Resp: 26188
Ion Ratio Lower Upper
95 100
174 74.8 0.0 159.4
176 72.8 0.0 154.0

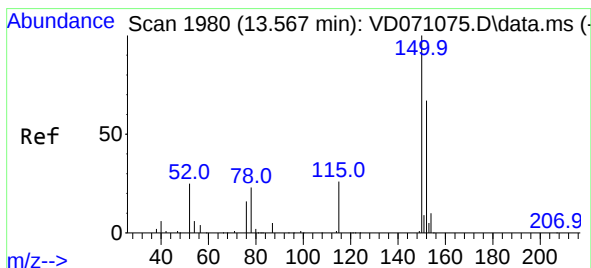
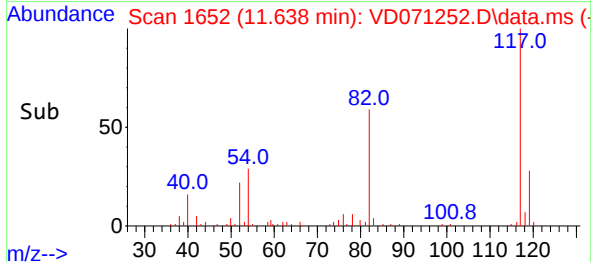
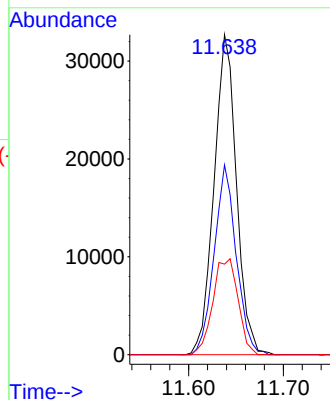
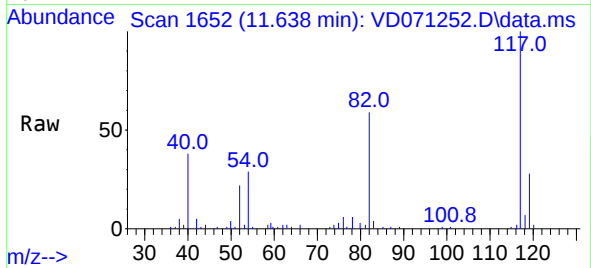




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.638 min Scan# 1
Delta R.T. -0.000 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

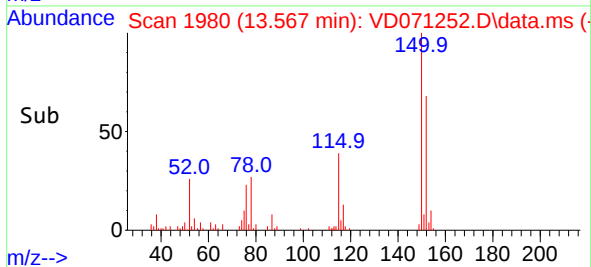
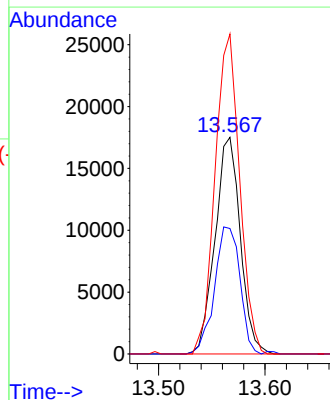
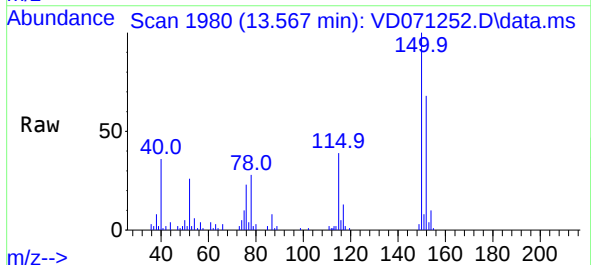
Instrument :
MSVOA_D
ClientSampleId :

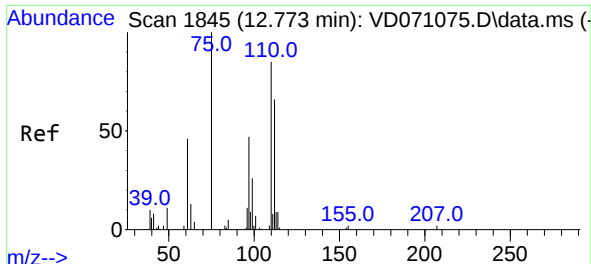
Tgt Ion:117 Resp: 53831
Ion Ratio Lower Upper
117 100
82 59.3 44.7 67.1
119 28.3 26.2 39.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.000 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

Tgt Ion:152 Resp: 28871
Ion Ratio Lower Upper
152 100
115 58.8 29.8 89.3
150 143.7 0.0 349.2

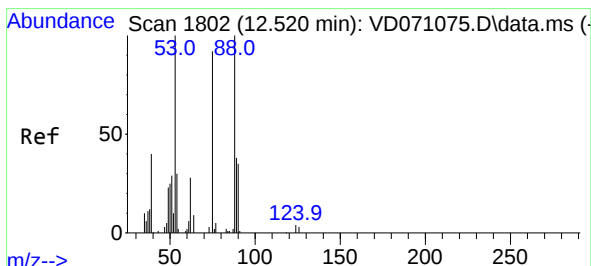
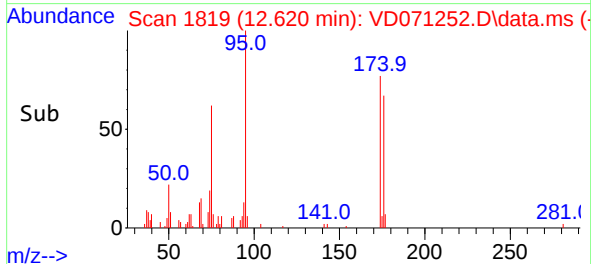
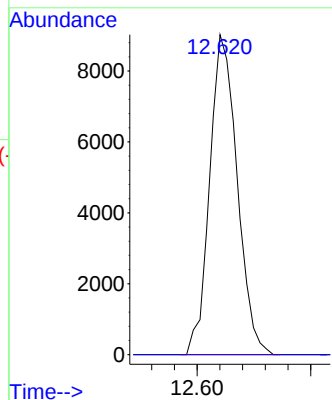
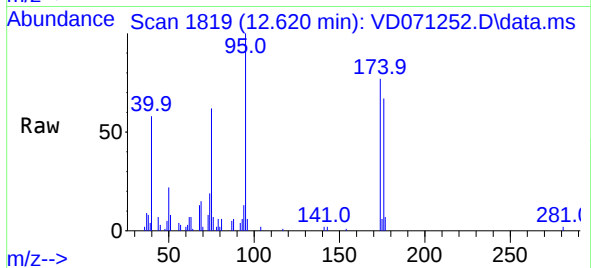




#76
1,2,3-Trichloropropane
Concen: 55.11 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

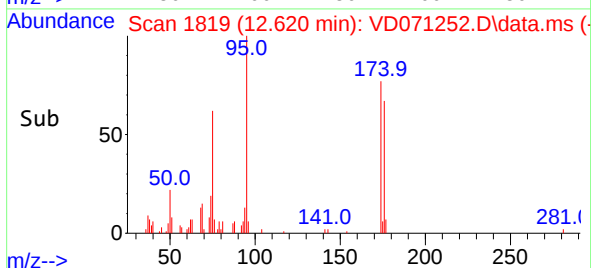
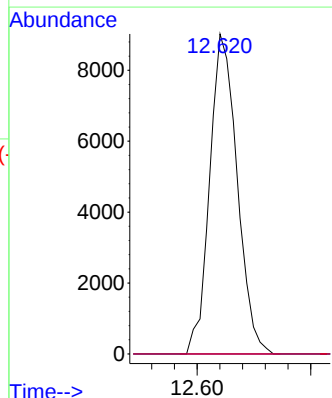
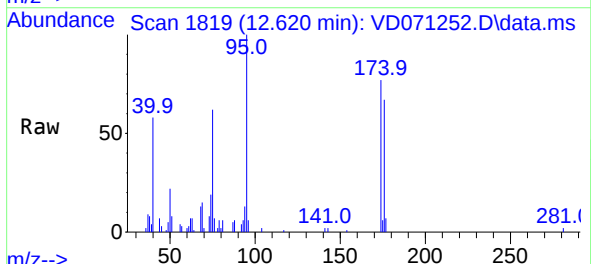
Instrument :
MSVOA_D
ClientSampleId :

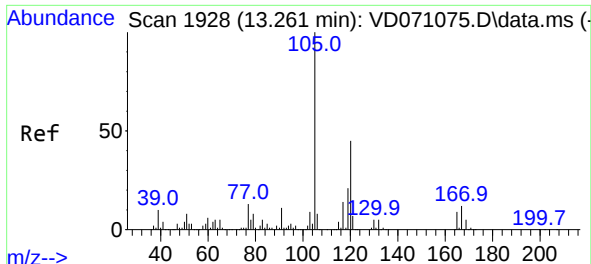
Tgt Ion: 75 Resp: 15158
Ion Ratio Lower Upper
75 100
77 0.0 158.4 475.3#



#81
trans-1,4-Dichloro-2-butene
Concen: 119.78 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

Tgt Ion: 75 Resp: 15158
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 34.5 51.7#

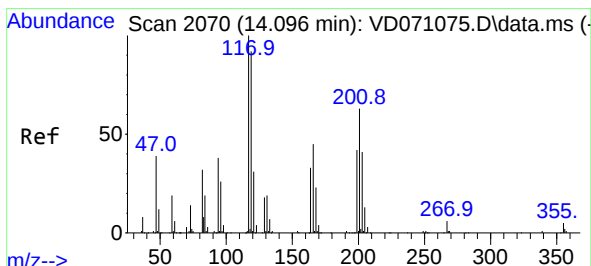
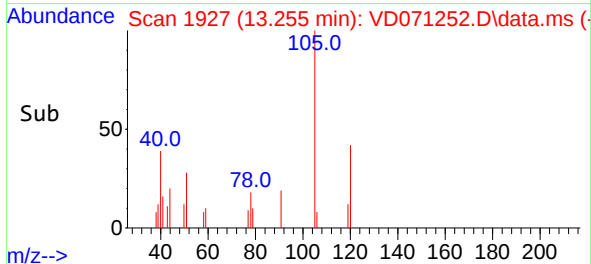
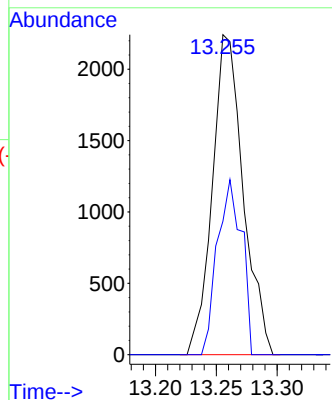
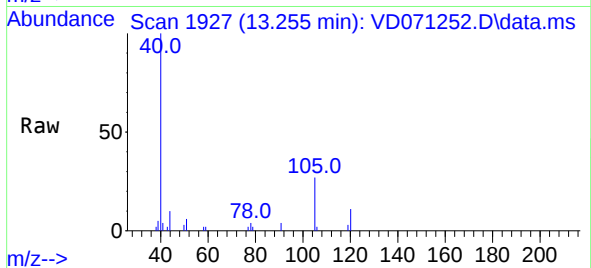




#84
1,2,4-Trimethylbenzene
Concen: 2.36 ug/l
RT: 13.255 min Scan# 1928
Delta R.T. -0.006 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

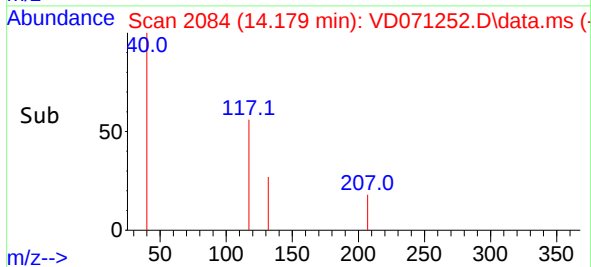
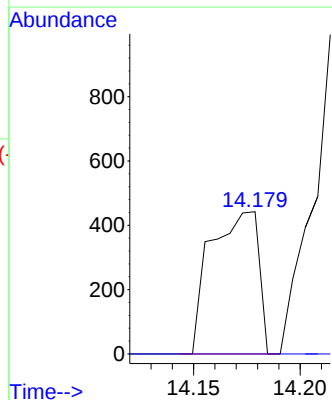
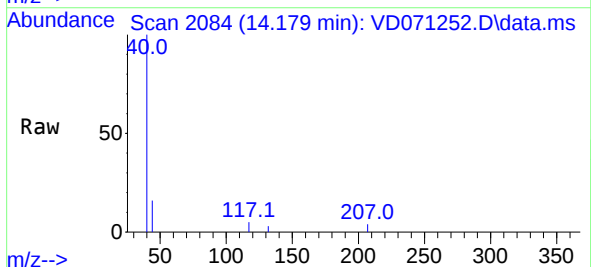
Instrument :
MSVOA_D
ClientSampleId :

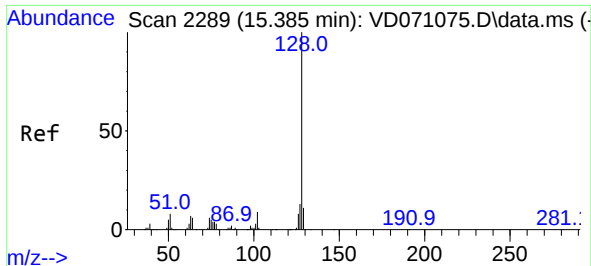
Tgt Ion:105 Resp: 3967
Ion Ratio Lower Upper
105 100
120 43.1 22.9 68.7



#90
Hexachloroethane
Concen: 1.97 ug/l
RT: 14.179 min Scan# 2084
Delta R.T. 0.083 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

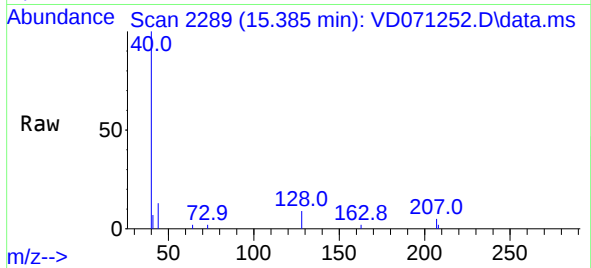
Tgt Ion:117 Resp: 692
Ion Ratio Lower Upper
117 100
201 0.0 36.0 108.1#





#95
Naphthalene
Concen: 2.35 ug/l
RT: 15.385 min Scan# 21
Delta R.T. -0.000 min
Lab File: VD071252.D
Acq: 10 Dec 2021 15:27

Instrument :
MSVOA_D
ClientSampleId :



Tgt Ion:	128	Resp:	1980
Ion	Ratio	Lower	Upper
128	100		
127	6.2	10.7	16.1#
129	0.0	8.7	13.1#

