

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD032822\
 Data File : VD072457.D
 Acq On : 28 Mar 2022 21:12
 Operator : VA/SY
 Sample : N2109-01
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-1RE

Quant Time: Mar 29 01:32:37 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D031122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 14 05:18:06 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

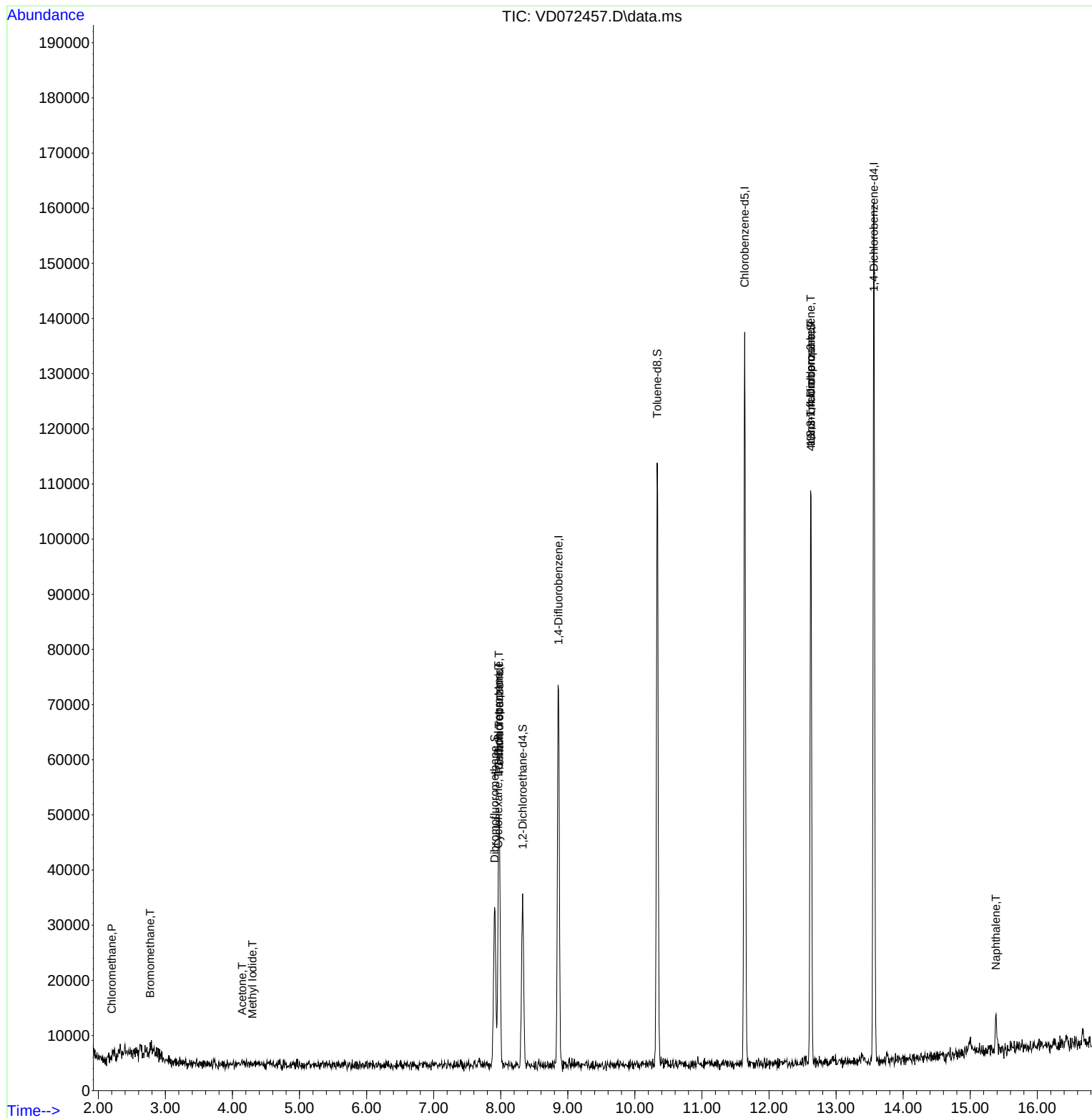
Internal Standards						
1) Pentafluorobenzene	7.979	168	34887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	58189	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	73345	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	39267	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	25213	64.849	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 129.700%	
35) Dibromofluoromethane	7.908	113	20817	50.838	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.680%	
50) Toluene-d8	10.332	98	75110	50.165	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 100.320%	
62) 4-Bromofluorobenzene	12.626	95	35032	60.216	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 120.440%	
Target Compounds						Qvalue
3) Chloromethane	2.203	50	526	1.834	ug/l #	40
5) Bromomethane	2.773	94	834	4.627	ug/l #	32
10) Methyl Iodide	4.297	142	313	3.064	ug/l #	59
16) Acetone	4.144	43	480	5.686	ug/l #	47
20) Methylene Chloride	4.967	84	217	Below Cal	#	41
31) Cyclohexane	7.961	56	612	1.008	ug/l #	4
36) 1,1-Dichloropropene	7.967	75	2783	4.845	ug/l #	43
38) Carbon Tetrachloride	7.973	117	3935	6.026	ug/l #	13
76) 1,2,3-Trichloropropane	12.620	75	18294	42.235	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	18294	104.789	ug/l #	7
95) Naphthalene	15.385	128	5619	3.847	ug/l #	92

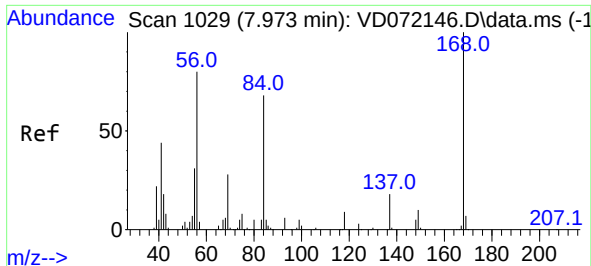
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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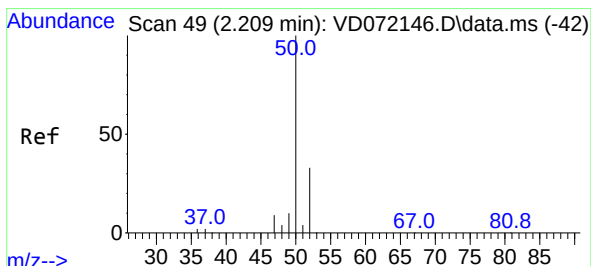
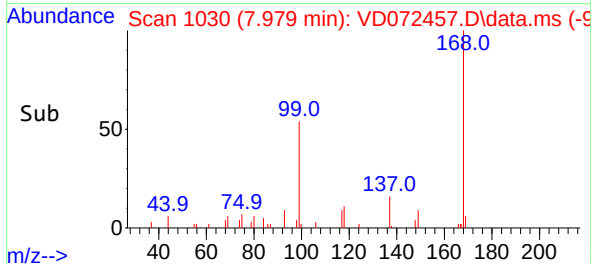
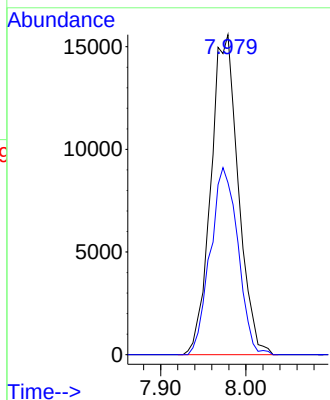
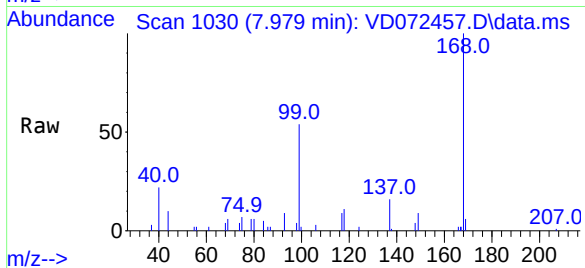




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.979 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

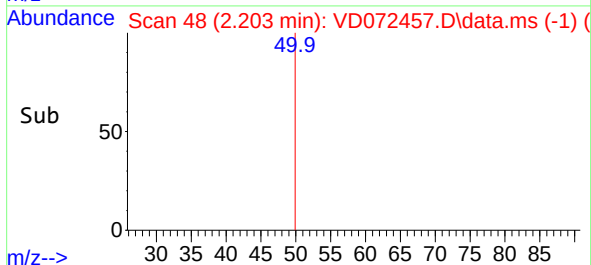
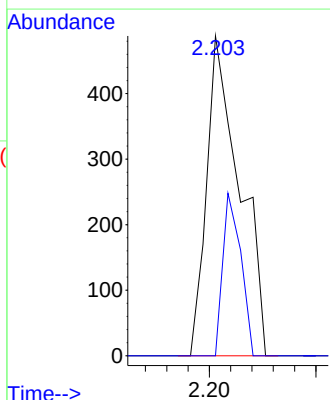
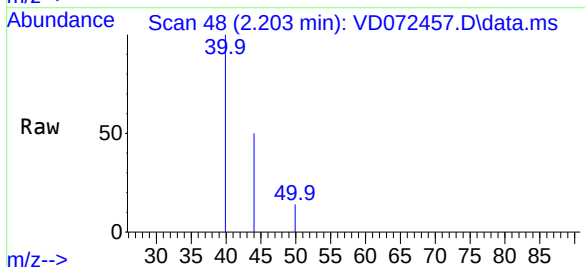
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

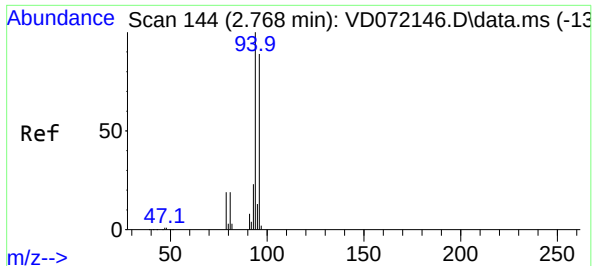
Tgt Ion:168 Resp: 34887
Ion Ratio Lower Upper
168 100
99 53.7 49.8 74.6



#3
Chloromethane
Concen: 1.834 ug/l
RT: 2.203 min Scan# 48
Delta R.T. -0.006 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

Tgt Ion: 50 Resp: 526
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#

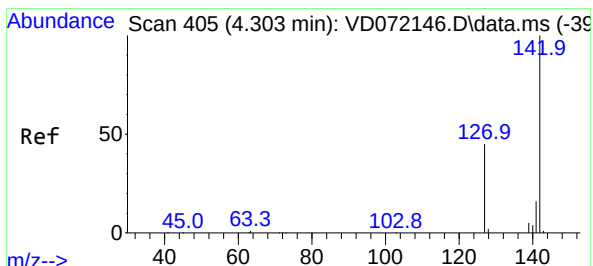
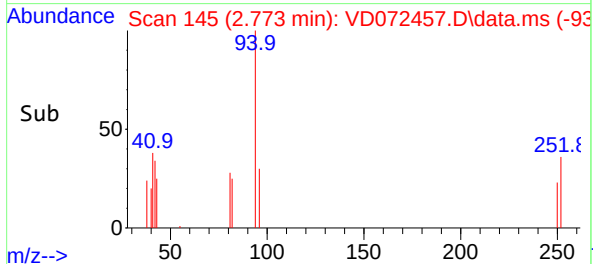
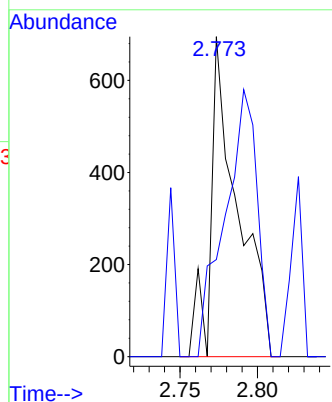
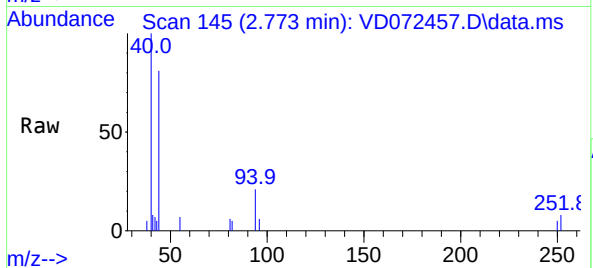




#5
Bromomethane
Concen: 4.627 ug/l
RT: 2.773 min Scan# 144
Delta R.T. 0.006 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

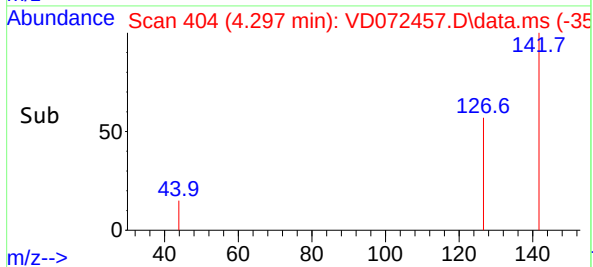
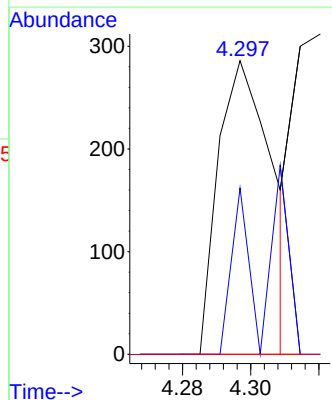
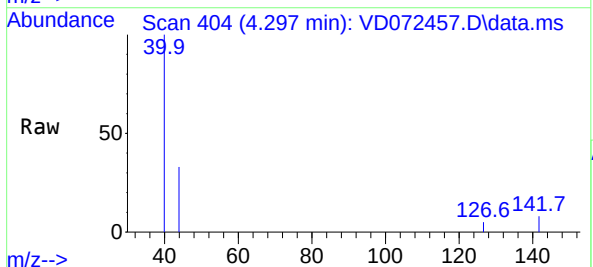
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

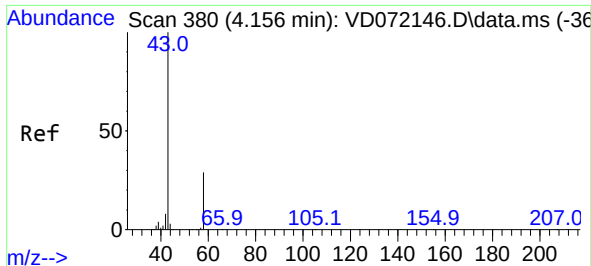
Tgt Ion: 94 Resp: 834
Ion Ratio Lower Upper
94 100
96 30.4 77.6 116.4#



#10
Methyl Iodide
Concen: 3.064 ug/l
RT: 4.297 min Scan# 404
Delta R.T. -0.006 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

Tgt Ion: 142 Resp: 313
Ion Ratio Lower Upper
142 100
127 18.2 37.3 55.9#
141 0.0 11.7 17.5#

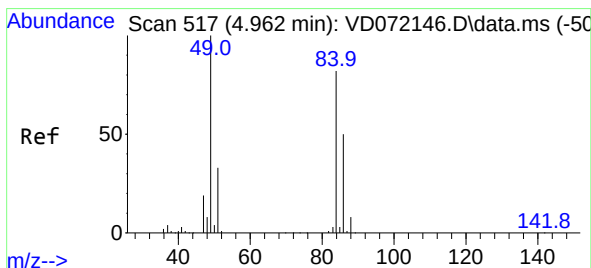
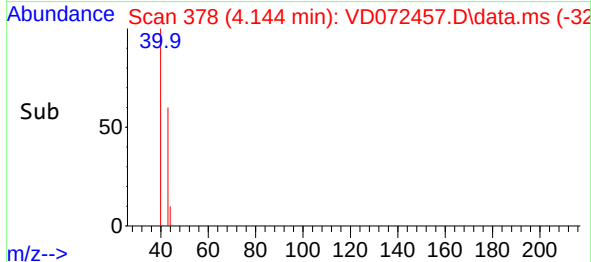
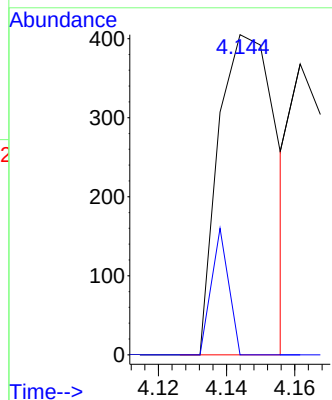
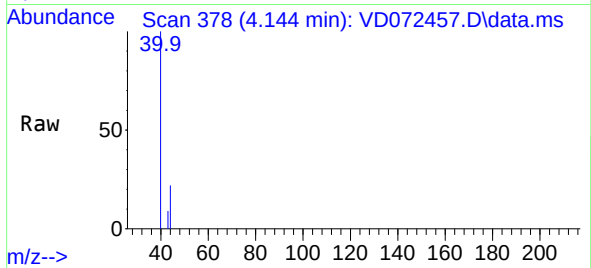




#16
Acetone
Concen: 5.686 ug/l
RT: 4.144 min Scan# 31
Delta R.T. -0.012 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

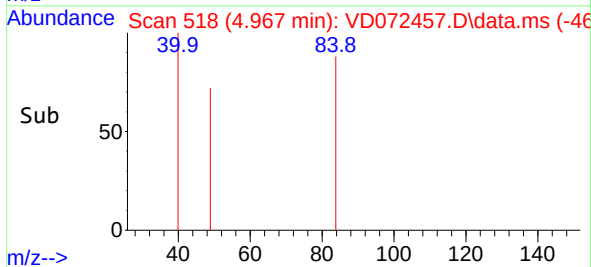
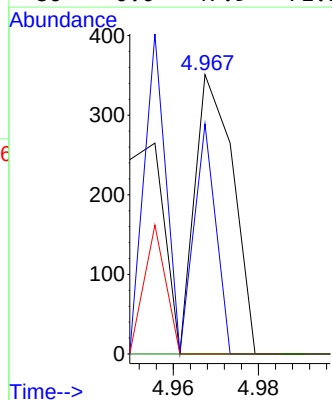
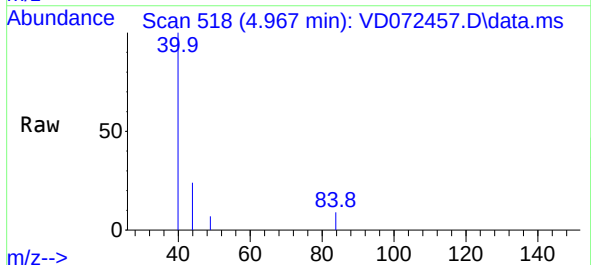
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

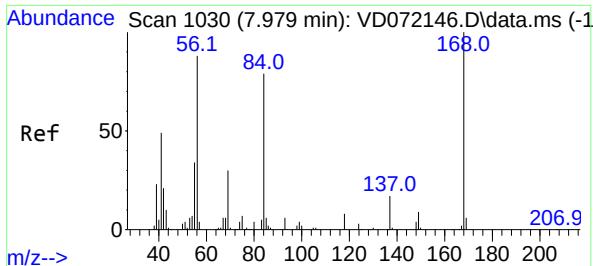
Tgt Ion: 43 Resp: 480
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.967 min Scan# 518
Delta R.T. 0.005 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

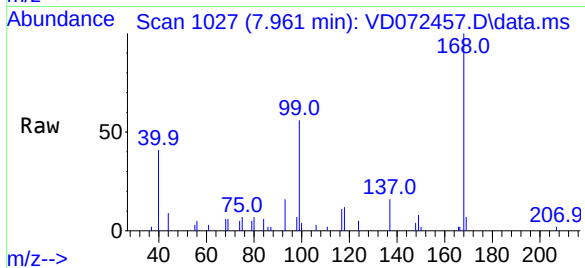
Tgt Ion: 84 Resp: 217
Ion Ratio Lower Upper
84 100
49 82.3 112.8 169.2#
51 0.0 32.6 48.8#
86 0.0 47.9 71.9#



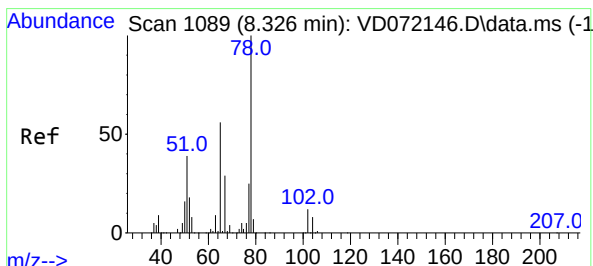
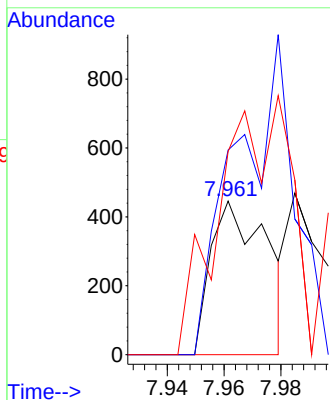
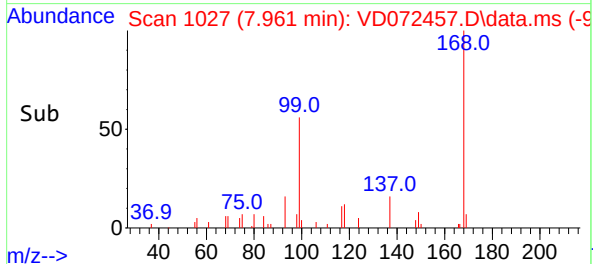


#31
Cyclohexane
Concen: 1.008 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.018 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

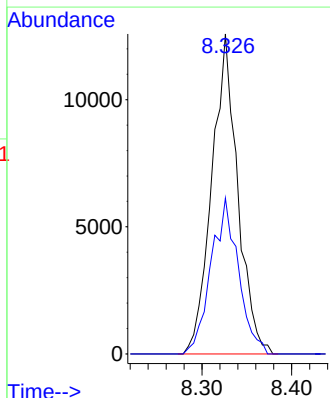
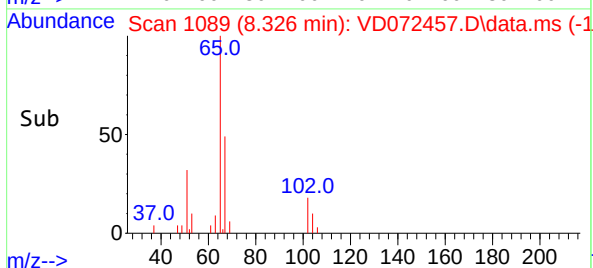
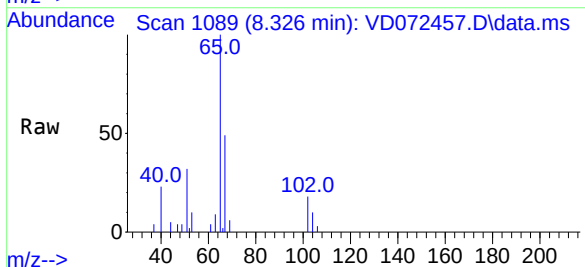


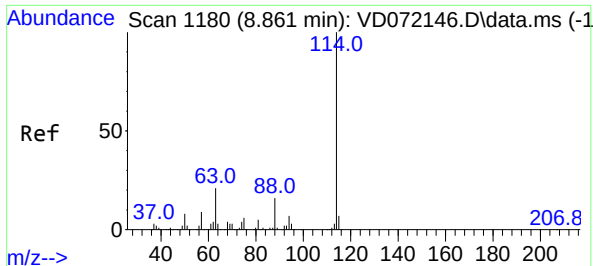
Tgt Ion: 56 Resp: 612
Ion Ratio Lower Upper
56 100
69 133.2 25.4 38.2#
84 132.3 63.0 94.4#



#33
1,2-Dichloroethane-d4
Concen: 64.849 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

Tgt Ion: 65 Resp: 25213
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.000 min

Lab File: VD072457.D

Acq: 28 Mar 2022 21:12

Instrument :

MSVOA_D

ClientSampleId :

TP-1RE

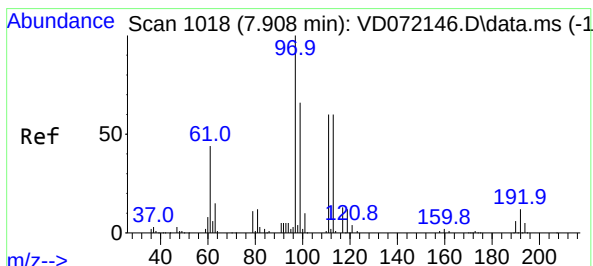
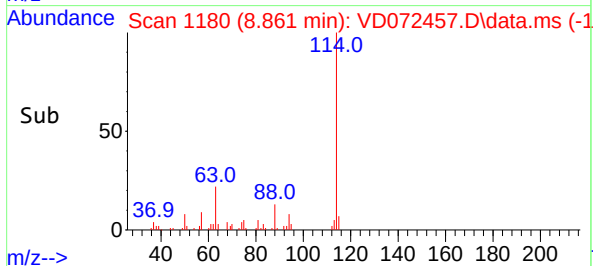
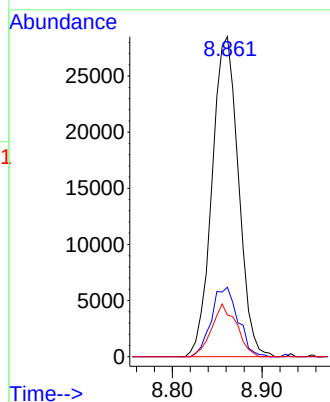
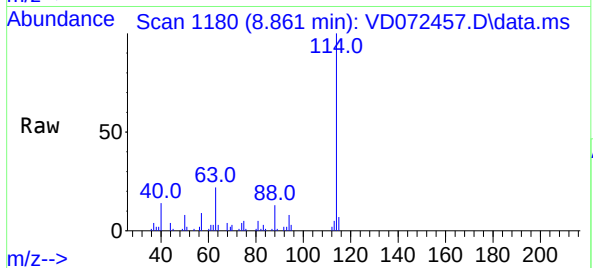
Tgt Ion:114 Resp: 58189

Ion Ratio Lower Upper

114 100

63 21.7 0.0 46.6

88 13.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 50.838 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD072457.D

Acq: 28 Mar 2022 21:12

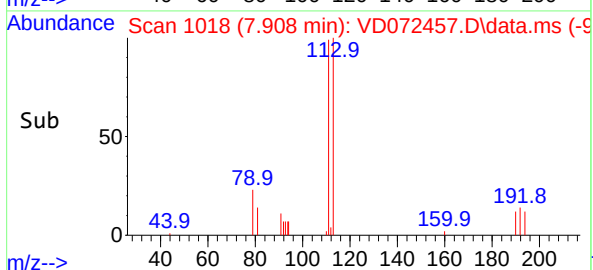
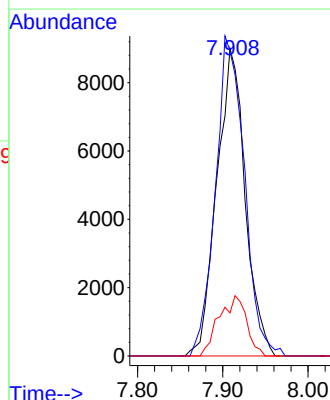
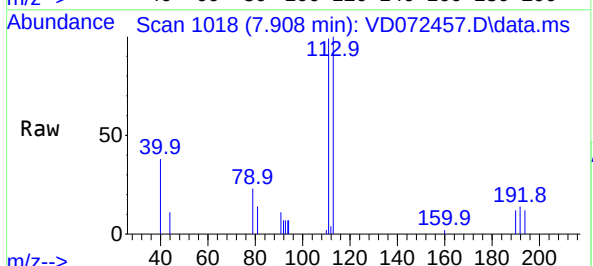
Tgt Ion:113 Resp: 20817

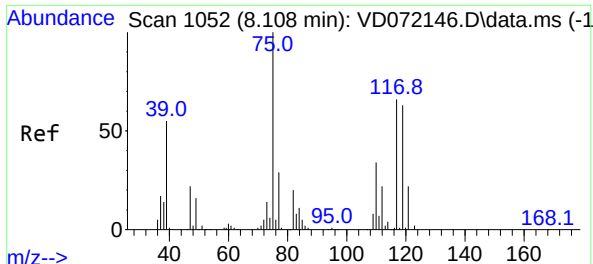
Ion Ratio Lower Upper

113 100

111 105.9 83.8 125.6

192 19.0 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.845 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD072457.D

Acq: 28 Mar 2022 21:12

Instrument :

MSVOA_D

ClientSampleId :

TP-1RE

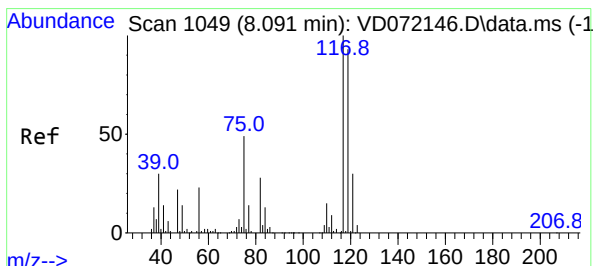
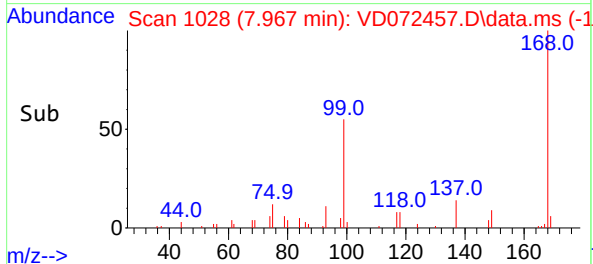
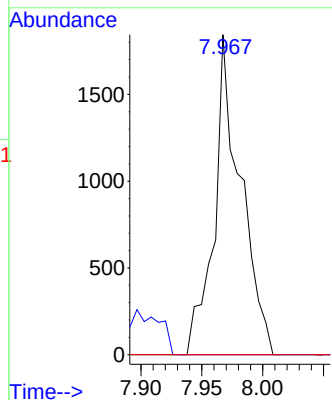
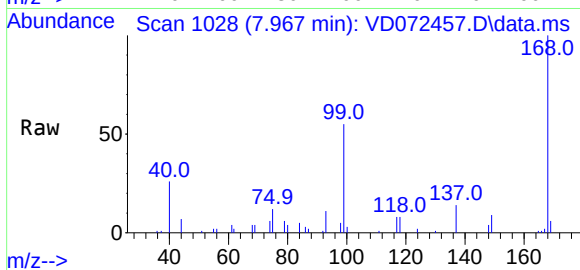
Tgt Ion: 75 Resp: 2783

Ion Ratio Lower Upper

75 100

110 0.0 16.4 49.1#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 6.026 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.118 min

Lab File: VD072457.D

Acq: 28 Mar 2022 21:12

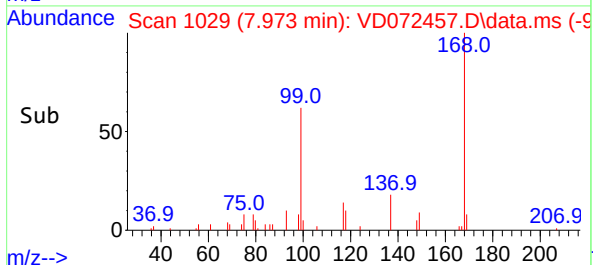
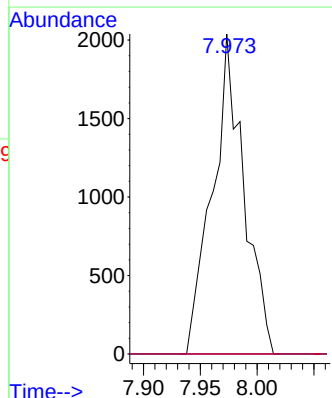
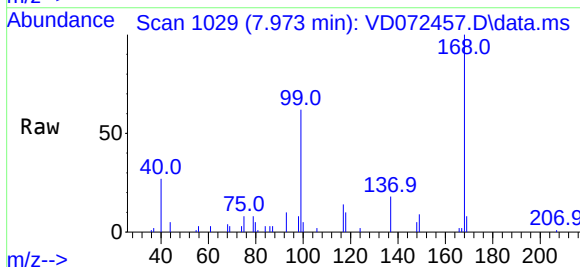
Tgt Ion: 117 Resp: 3935

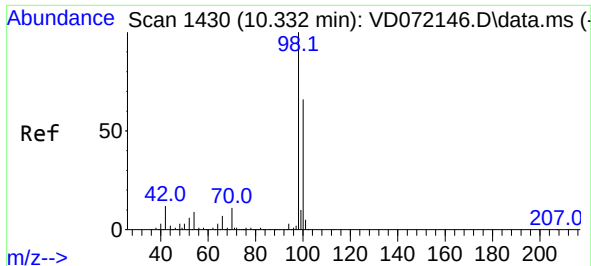
Ion Ratio Lower Upper

117 100

119 0.0 75.8 113.6#

121 0.0 24.5 36.7#

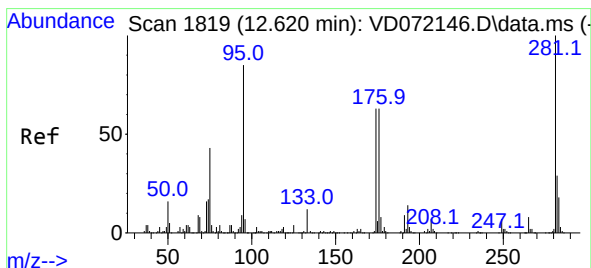
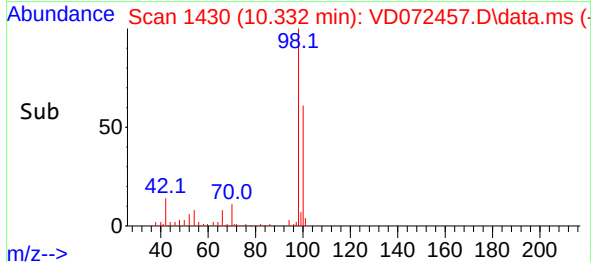
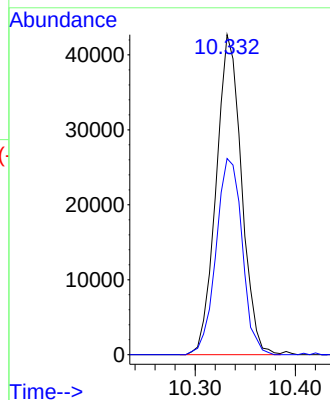
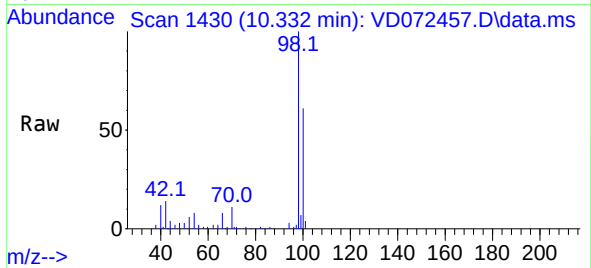




#50
Toluene-d8
Concen: 50.165 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

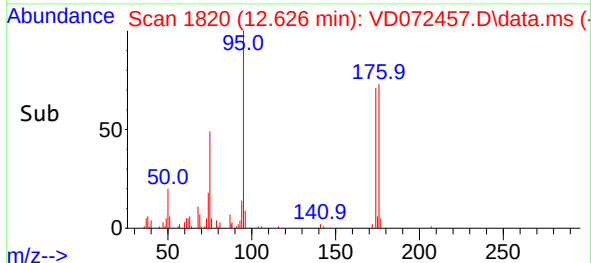
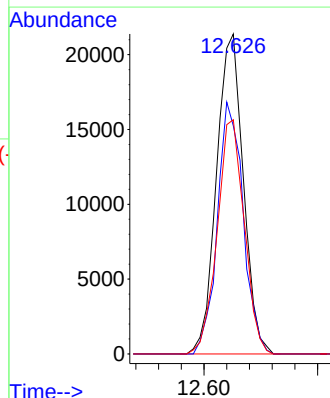
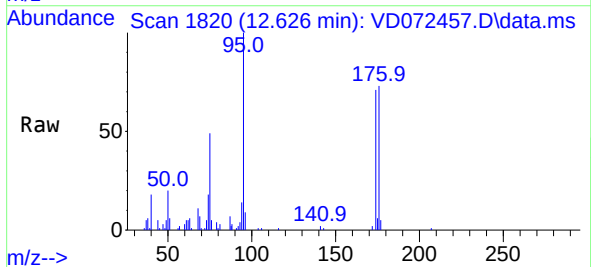
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

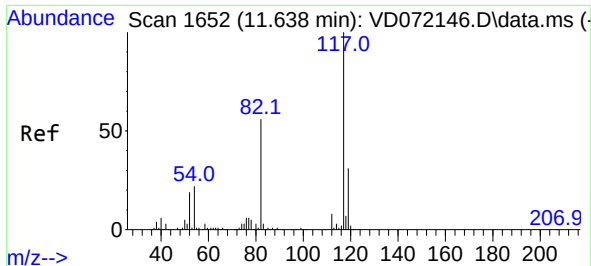
Tgt Ion: 98 Resp: 75110
Ion Ratio Lower Upper
98 100
100 63.0 52.4 78.6



#62
4-Bromofluorobenzene
Concen: 60.216 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.006 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

Tgt Ion: 95 Resp: 35032
Ion Ratio Lower Upper
95 100
174 75.7 0.0 152.8
176 73.7 0.0 145.4

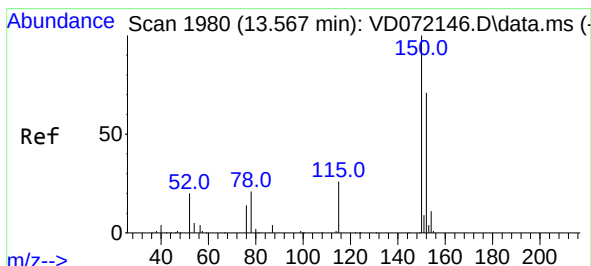
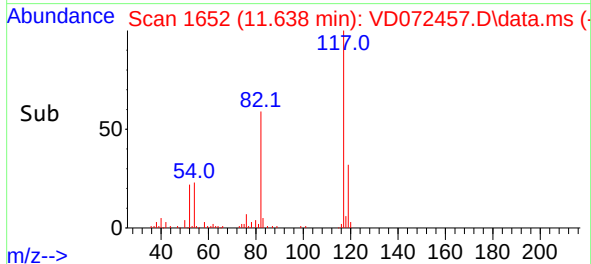
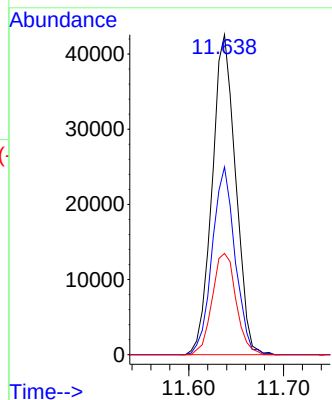
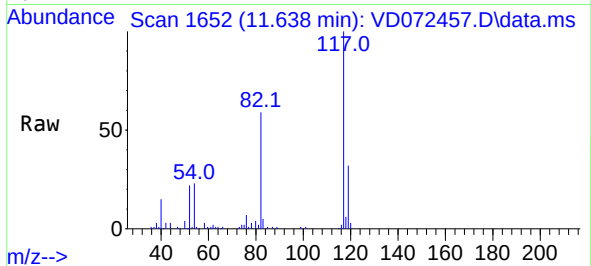




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

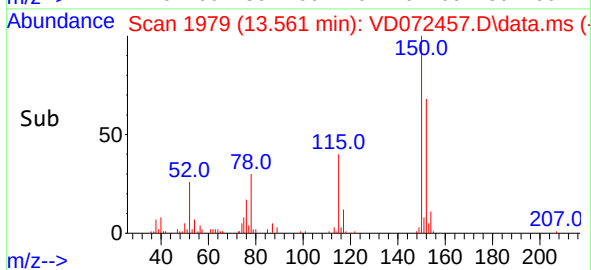
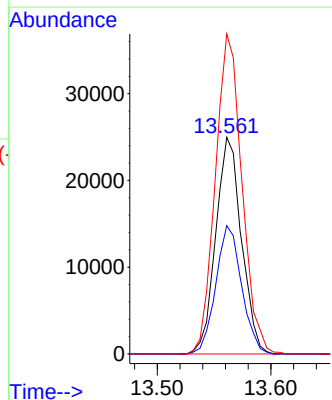
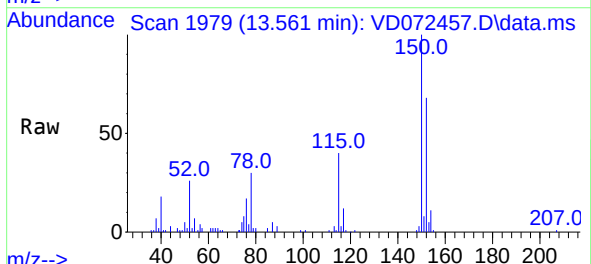
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

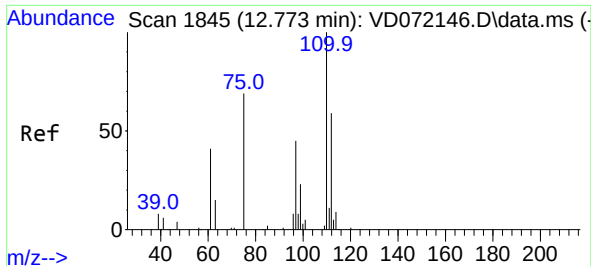
Tgt Ion:	117	Resp:	73345
Ion	Ratio	Lower	Upper
117	100		
82	58.7	45.3	67.9
119	31.6	26.6	40.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. -0.006 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

Tgt Ion:	152	Resp:	39267
Ion	Ratio	Lower	Upper
152	100		
115	59.5	31.3	93.8
150	152.8	0.0	348.6

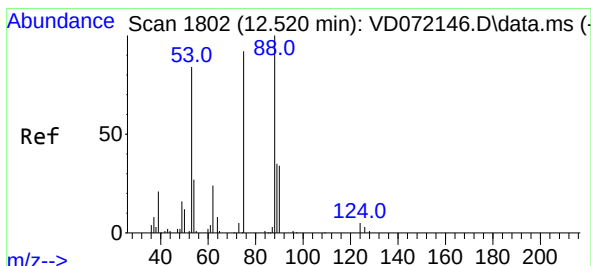
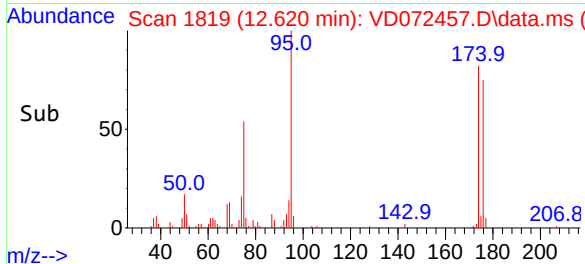
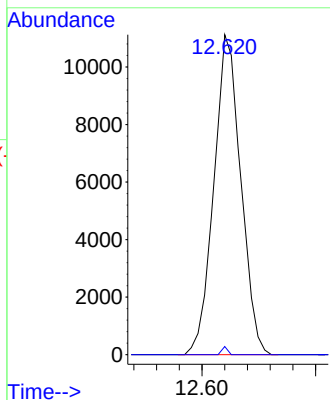
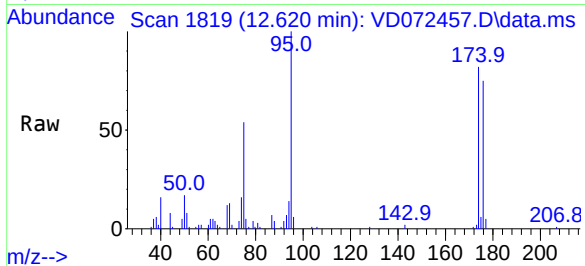




#76
1,2,3-Trichloropropane
Concen: 42.235 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.153 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

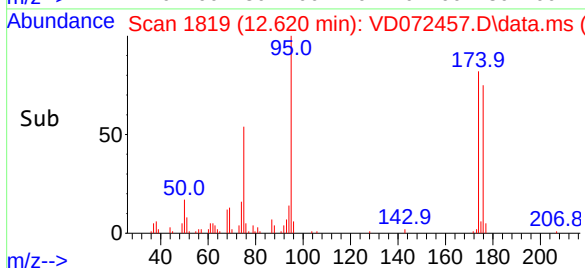
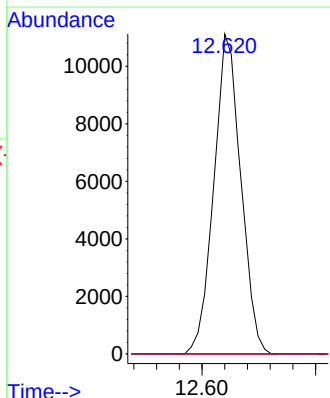
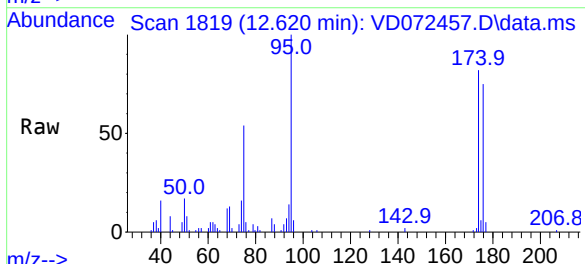
Instrument :
MSVOA_D
ClientSampleId :
TP-1RE

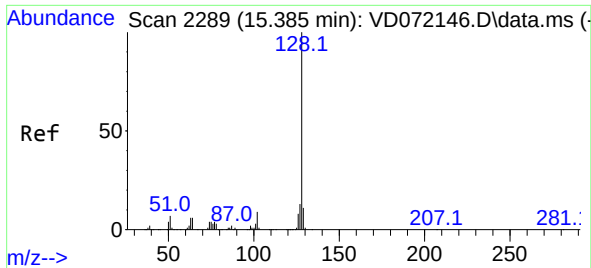
Tgt Ion: 75 Resp: 18294
Ion Ratio Lower Upper
75 100
77 0.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.789 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.100 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

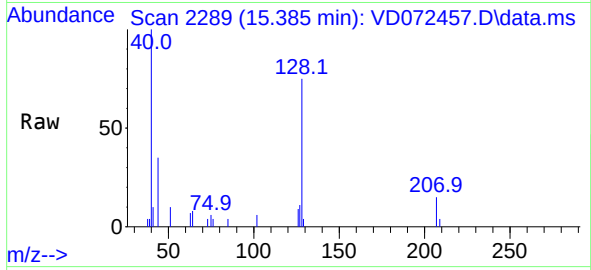
Tgt Ion: 75 Resp: 18294
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.0 33.9 50.9#





#95
Naphthalene
Concen: 3.847 ug/l
RT: 15.385 min Scan# 21
Delta R.T. 0.000 min
Lab File: VD072457.D
Acq: 28 Mar 2022 21:12

Instrument :
MSVOA_D
ClientSampleId :
TP-1RE



Tgt Ion:	128	Resp:	5619
Ion	Ratio	Lower	Upper
128	100		
127	15.8	10.3	15.5#
129	7.2	8.4	12.6#

