

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062122\
 Data File : VD073645.D
 Acq On : 21 Jun 2022 14:24
 Operator : VA/SY
 Sample : N3427-01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-062122

Quant Time: Jun 22 06:01:14 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D062022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 21 05:24:45 2022
 Response via : Initial Calibration

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

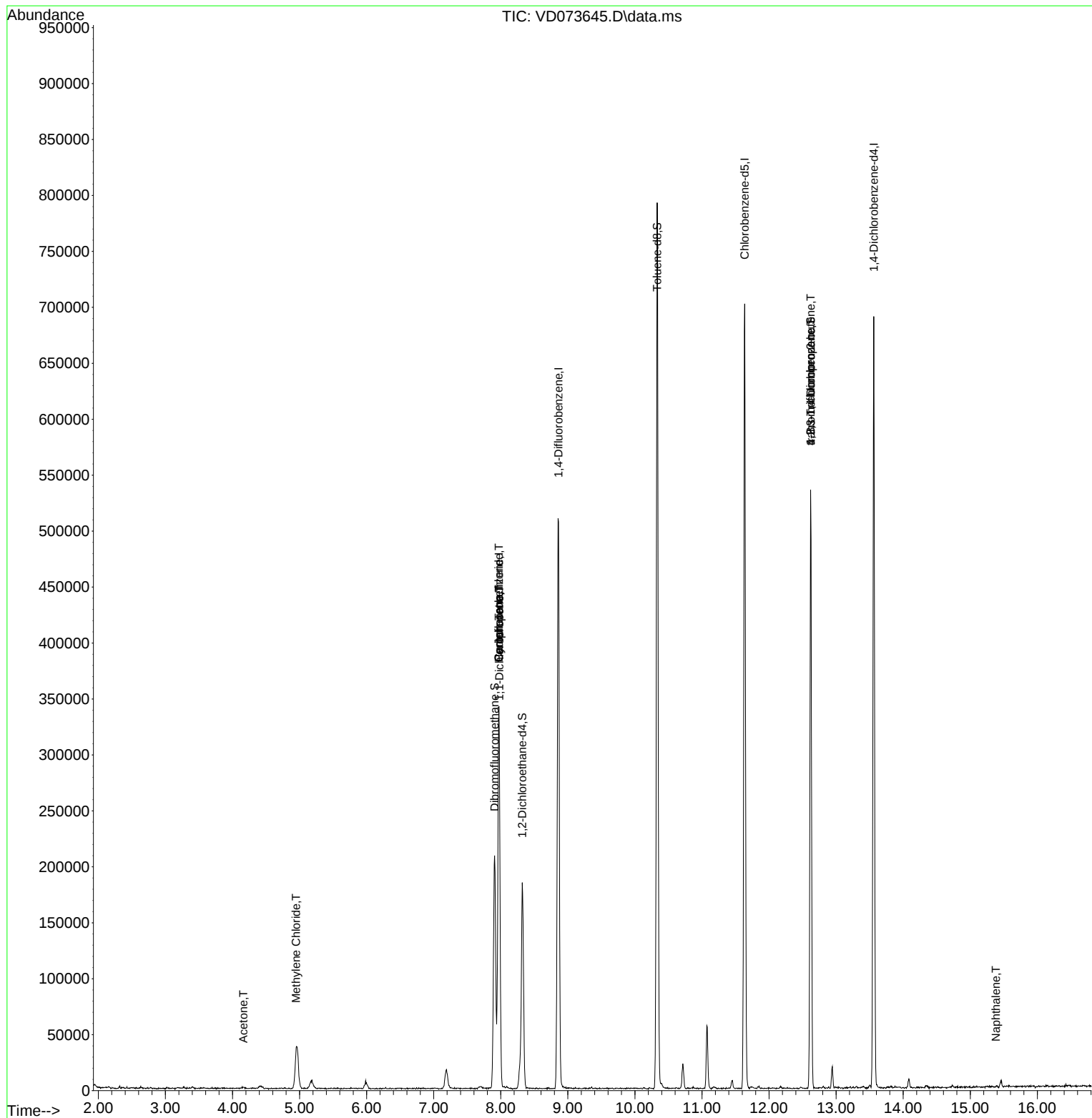
Internal Standards						
1) Pentafluorobenzene	7.973	168	246910	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	449759	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	414183	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	183195	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	144703	50.934	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.860%	
35) Dibromofluoromethane	7.908	113	152340	46.691	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 93.380%	
50) Toluene-d8	10.332	98	528666	45.270	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 90.540%	
62) 4-Bromofluorobenzene	12.620	95	170619	39.840	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.680%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.991	85	385	Below Cal	#	40
5) Bromomethane	2.773	94	556	Below Cal		97
11) Tert butyl alcohol	5.179	59	7096	Below Cal	#	76
16) Acetone	4.162	43	1992	4.410	ug/l	94
18) Methyl Acetate	4.756	43	61	Below Cal	#	48
20) Methylene Chloride	4.950	84	31167	5.765	ug/l	97
31) Cyclohexane	7.973	56	6103	1.412	ug/l #	41
36) 1,1-Dichloropropene	7.979	75	19808	4.334	ug/l #	50
38) Carbon Tetrachloride	7.973	117	26147	5.037	ug/l #	17
76) 1,2,3-Trichloropropane	12.620	75	86802	48.957	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	86802	112.982	ug/l #	14
95) Naphthalene	15.385	128	831	2.809	ug/l #	78

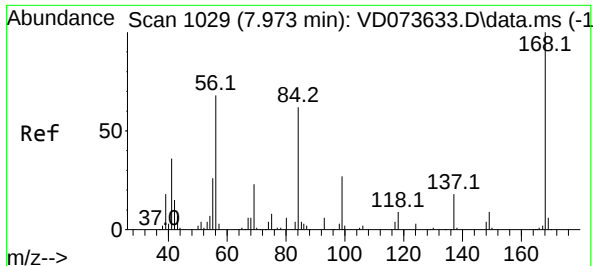
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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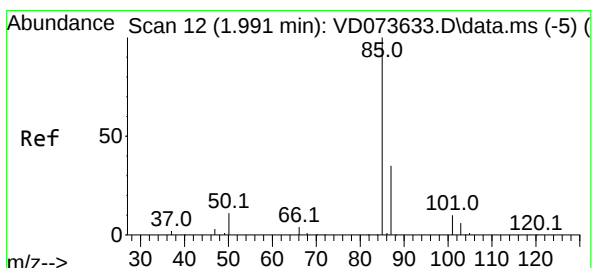
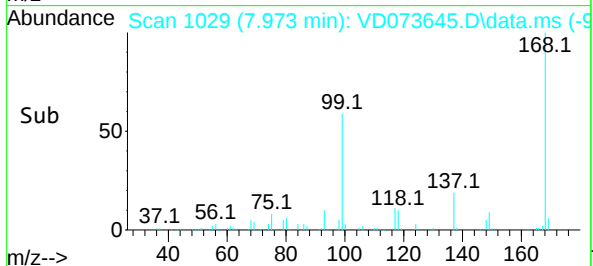
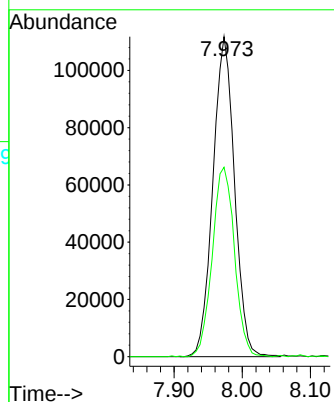
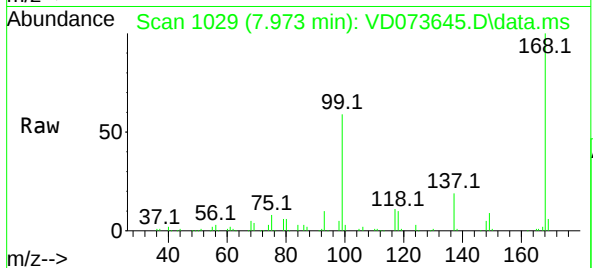




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073645.D
Acq: 21 Jun 2022 14:24

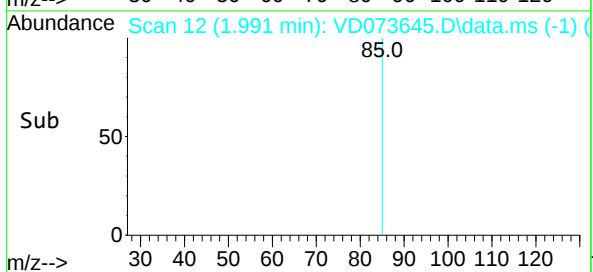
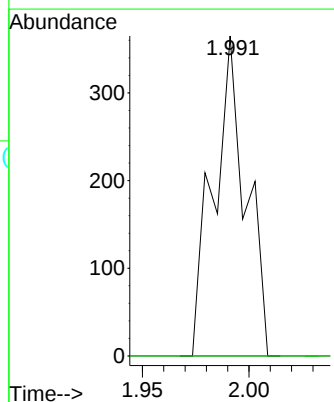
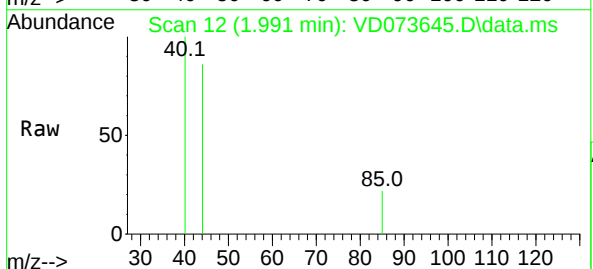
Instrument :
MSVOA_D
ClientSampleId :
TR-04-062122

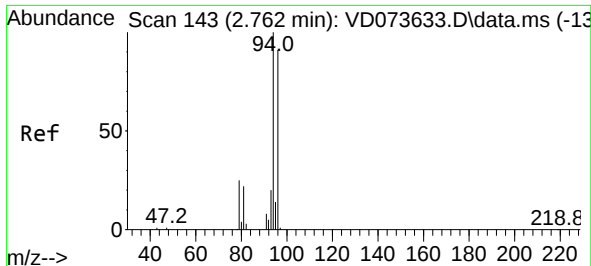
Tgt Ion:168 Resp: 246910
Ion Ratio Lower Upper
168 100
99 59.0 47.4 71.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073645.D
Acq: 21 Jun 2022 14:24

Tgt Ion: 85 Resp: 385
Ion Ratio Lower Upper
85 100
87 0.0 17.4 52.2#

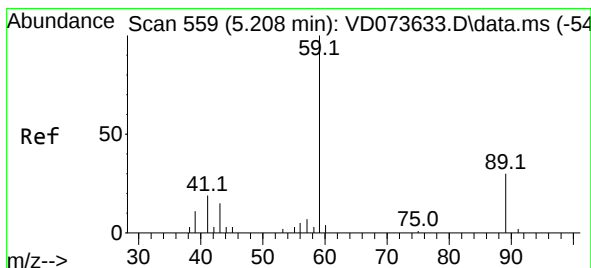
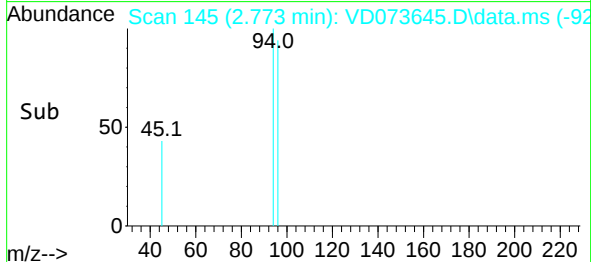
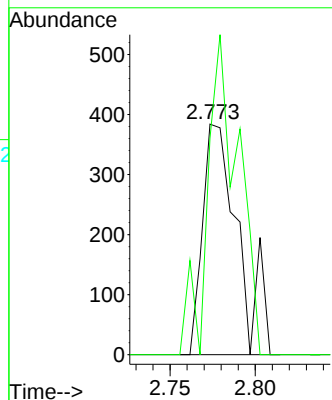
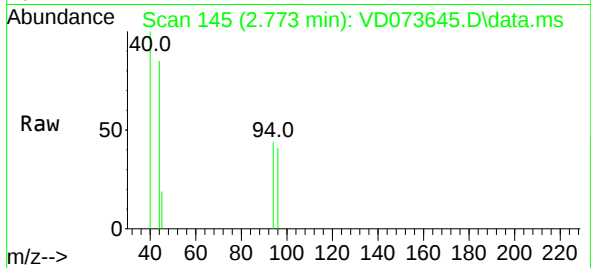




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 14
Delta R.T. 0.011 min
Lab File: VD073645.D
Acq: 21 Jun 2022 14:24

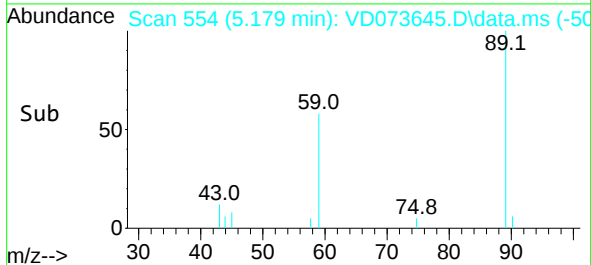
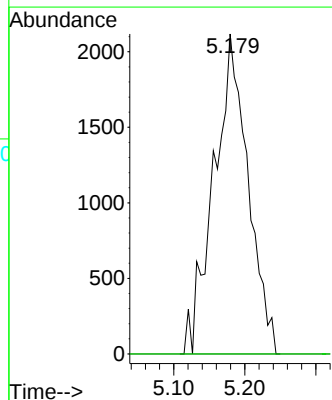
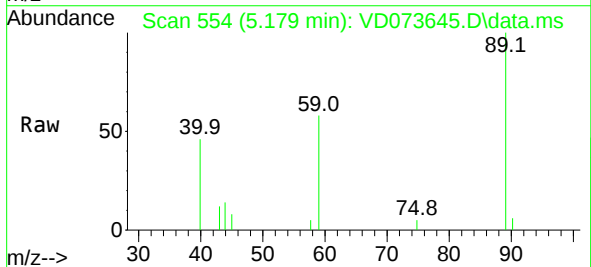
Instrument :
MSVOA_D
ClientSampleId :
TR-04-062122

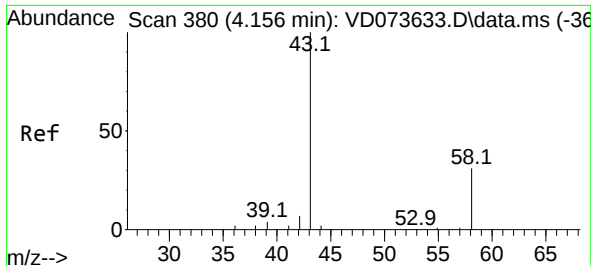
Tgt Ion: 94 Resp: 556
Ion Ratio Lower Upper
94 100
96 93.8 72.6 108.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.029 min
Lab File: VD073645.D
Acq: 21 Jun 2022 14:24

Tgt Ion: 59 Resp: 7096
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#

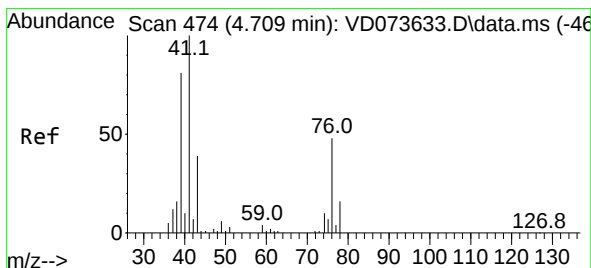
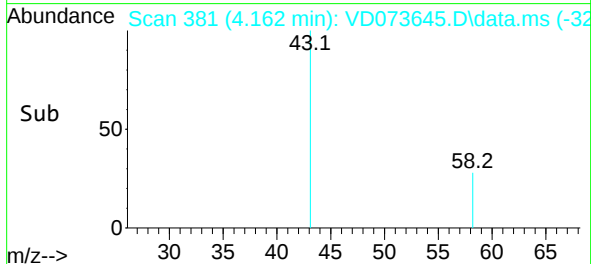
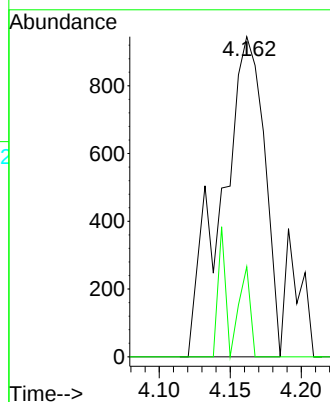
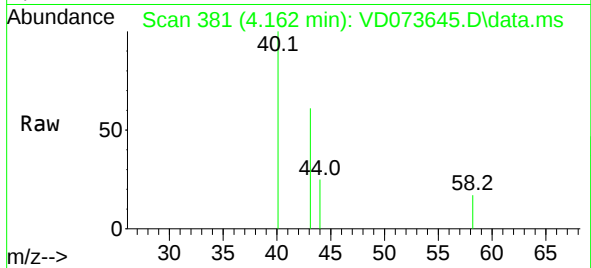




#16
Acetone
Concen: 4.410 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.006 min
Lab File: VD073645.D
Acq: 21 Jun 2022 14:24

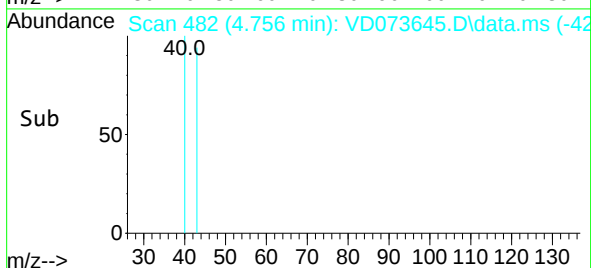
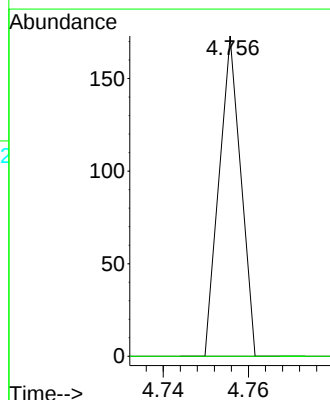
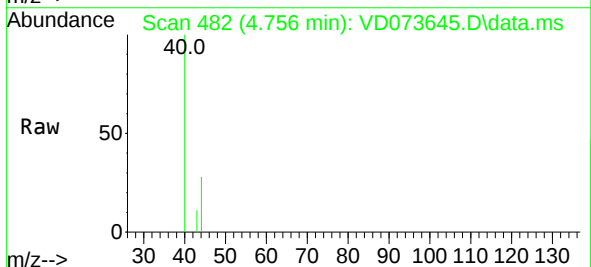
Instrument :
MSVOA_D
ClientSampleId :
TR-04-062122

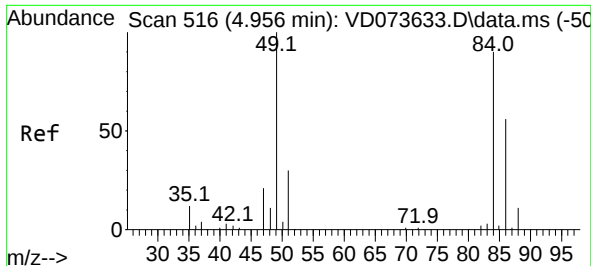
Tgt Ion: 43 Resp: 1992
Ion Ratio Lower Upper
43 100
58 28.1 25.0 37.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.756 min Scan# 482
Delta R.T. 0.047 min
Lab File: VD073645.D
Acq: 21 Jun 2022 14:24

Tgt Ion: 43 Resp: 61
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#





#20

Methylene Chloride

Concen: 5.765 ug/l

RT: 4.950 min Scan# 516

Delta R.T. -0.006 min

Lab File: VD073645.D

Acq: 21 Jun 2022 14:24

Instrument :

MSVOA_D

ClientSampleId :

TR-04-062122

Tgt Ion: 84 Resp: 31167

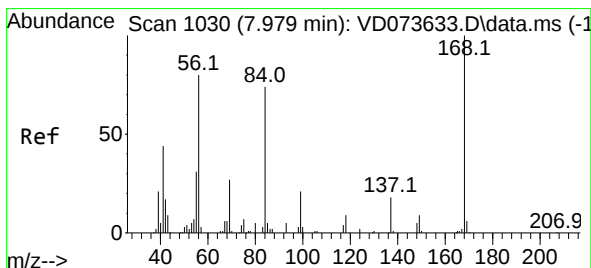
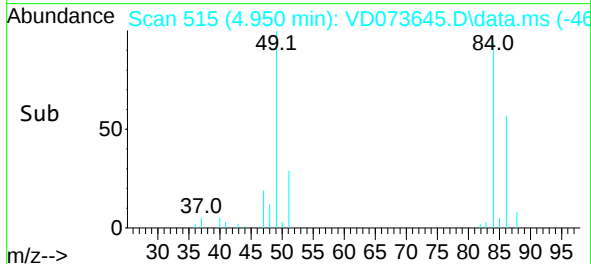
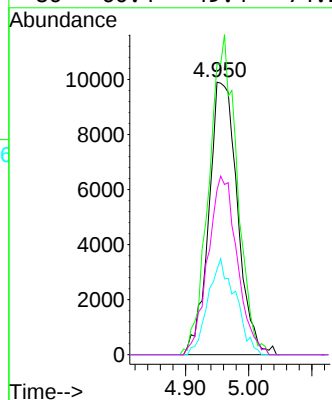
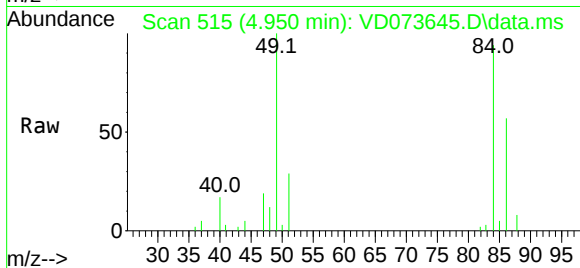
Ion Ratio Lower Upper

84 100

49 106.8 89.0 133.6

51 31.3 26.7 40.1

86 60.4 49.4 74.2



#31

Cyclohexane

Concen: 1.412 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073645.D

Acq: 21 Jun 2022 14:24

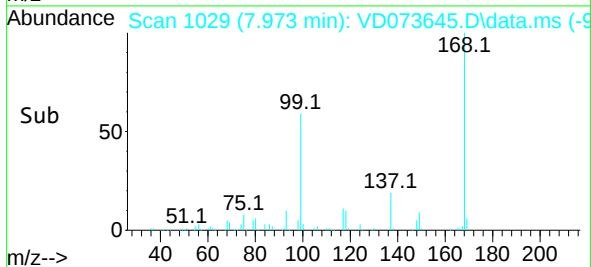
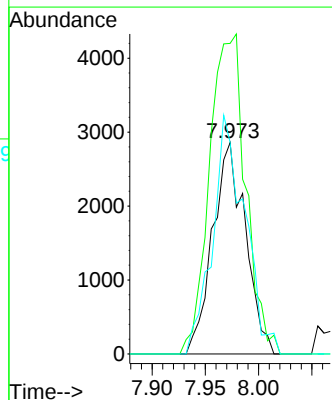
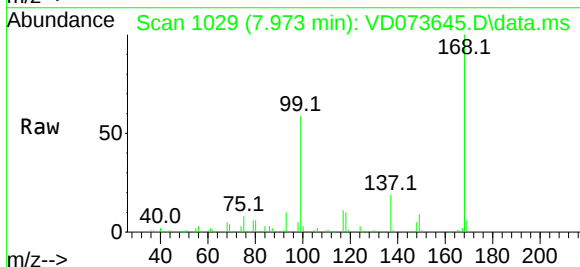
Tgt Ion: 56 Resp: 6103

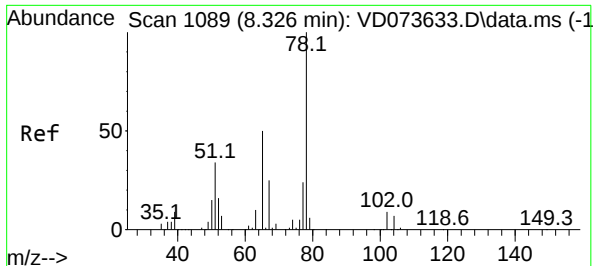
Ion Ratio Lower Upper

56 100

69 146.9 26.9 40.3#

84 100.0 73.8 110.8





#33

1,2-Dichloroethane-d4

Concen: 50.934 ug/l

RT: 8.320 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD073645.D

Acq: 21 Jun 2022 14:24

Instrument :

MSVOA_D

ClientSampleId :

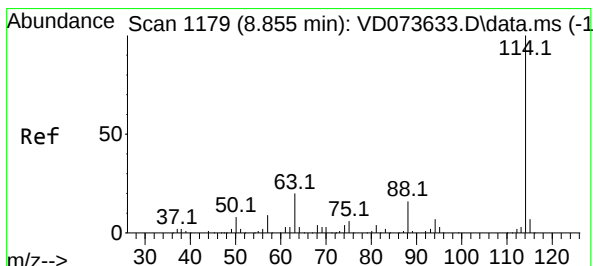
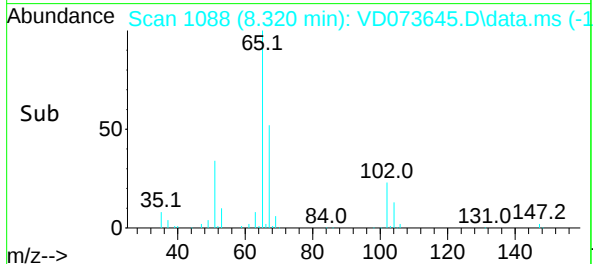
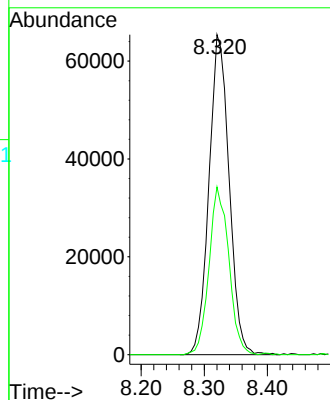
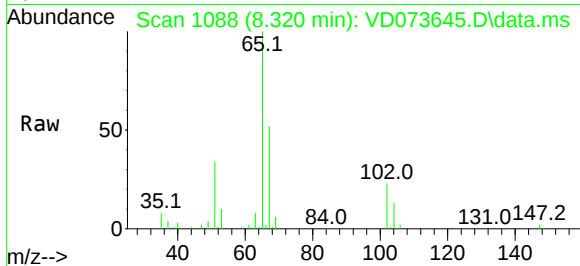
TR-04-062122

Tgt Ion: 65 Resp: 144703

Ion Ratio Lower Upper

65 100

67 51.5 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073645.D

Acq: 21 Jun 2022 14:24

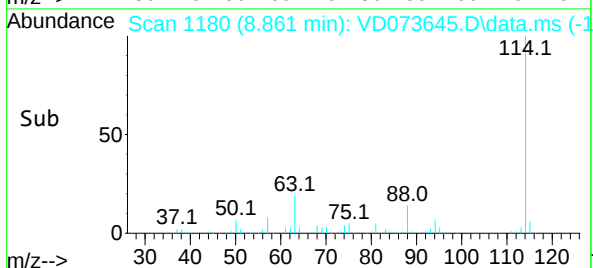
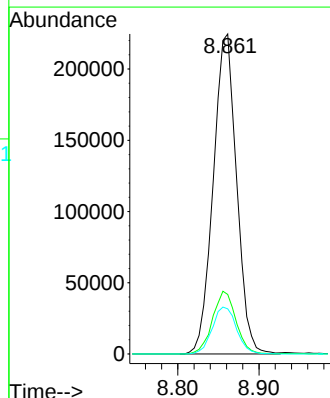
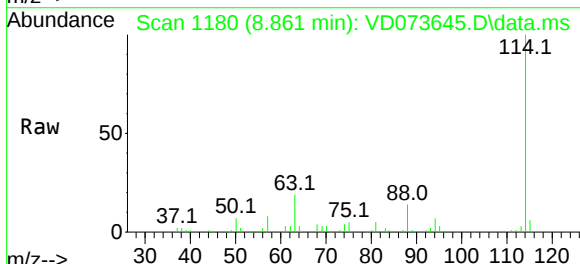
Tgt Ion: 114 Resp: 449759

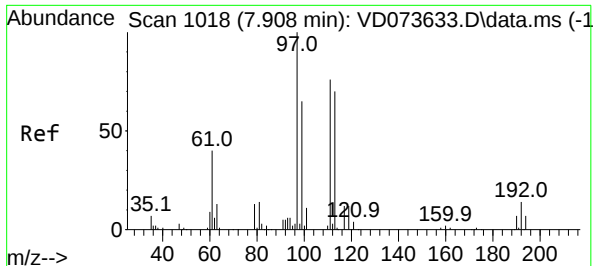
Ion Ratio Lower Upper

114 100

63 18.6 0.0 40.4

88 14.1 0.0 32.2





#35

Dibromofluoromethane

Concen: 46.691 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073645.D

Acq: 21 Jun 2022 14:24

Instrument :

MSVOA_D

ClientSampleId :

TR-04-062122

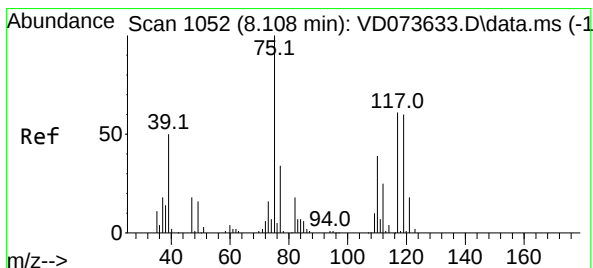
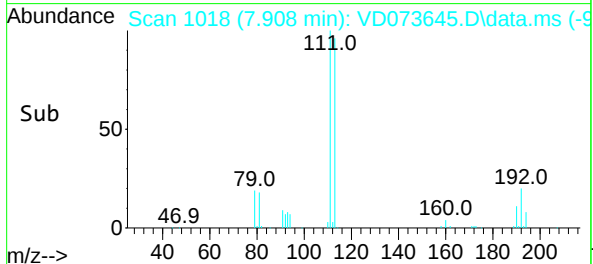
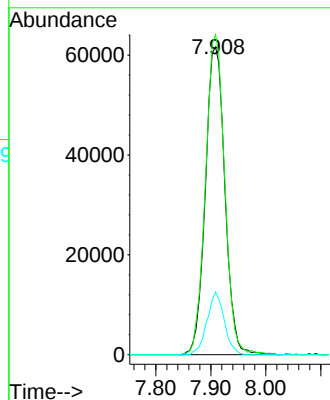
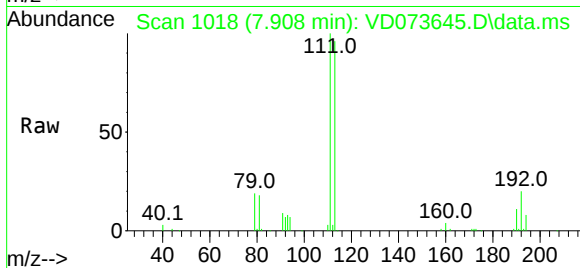
Tgt Ion:113 Resp: 152340

Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

192 18.0 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.334 ug/l

RT: 7.979 min Scan# 1030

Delta R.T. -0.129 min

Lab File: VD073645.D

Acq: 21 Jun 2022 14:24

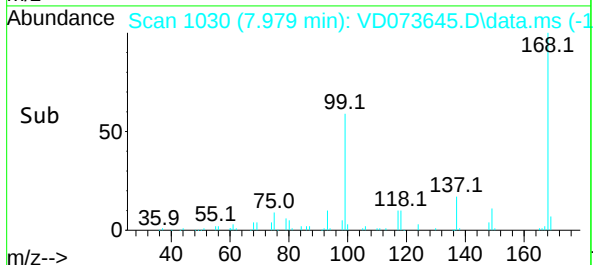
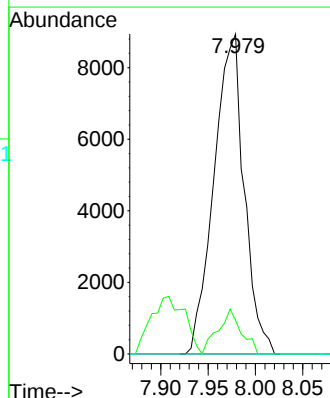
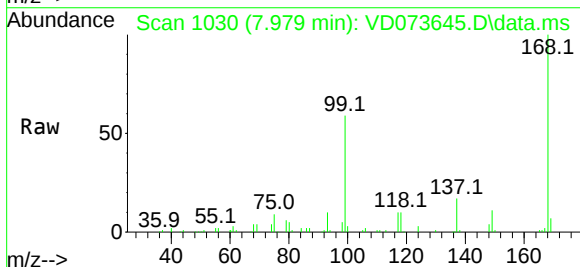
Tgt Ion: 75 Resp: 19808

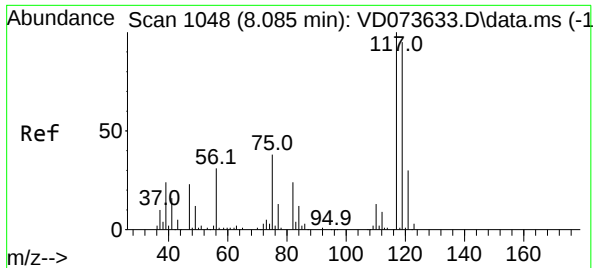
Ion Ratio Lower Upper

75 100

110 10.8 18.4 55.4#

77 0.0 25.7 38.5#

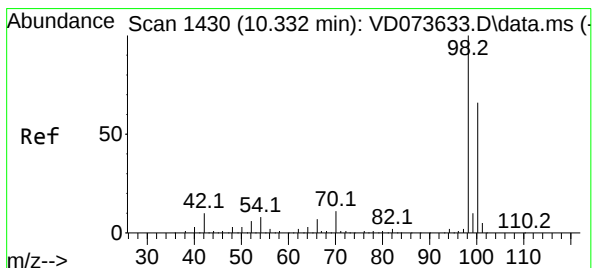
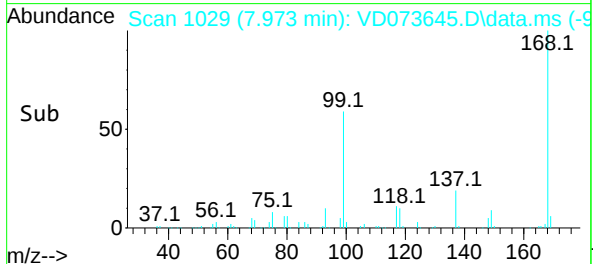
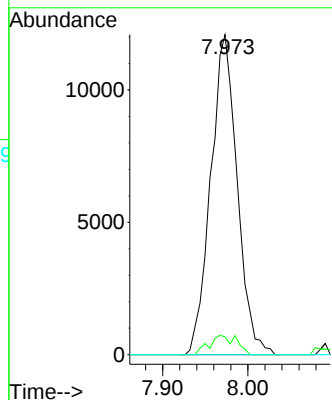
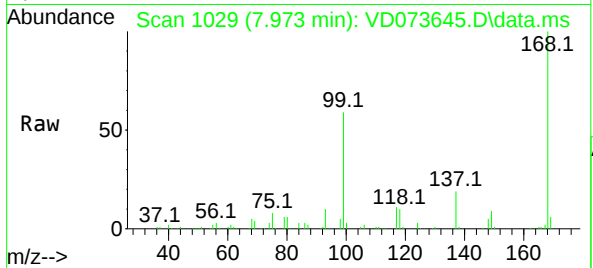




#38
Carbon Tetrachloride
Concen: 5.037 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.112 min
Lab File: VD073645.D
Acq: 21 Jun 2022 14:24

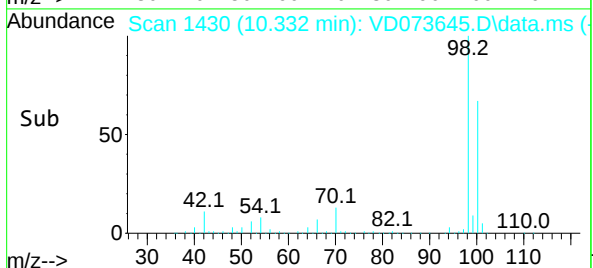
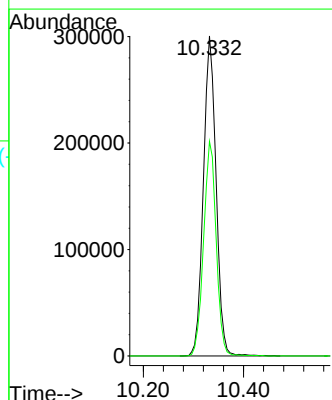
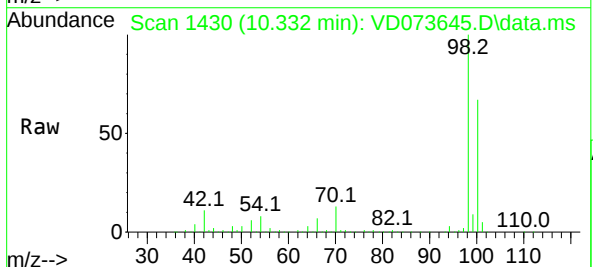
Instrument :
MSVOA_D
ClientSampleId :
TR-04-062122

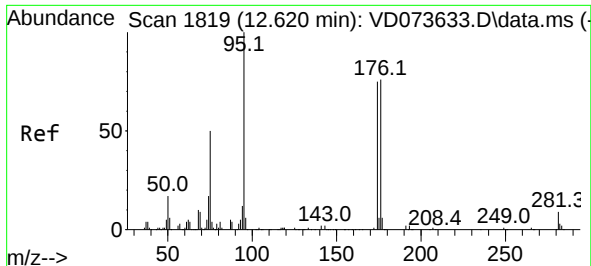
Tgt Ion:117 Resp: 26147
Ion Ratio Lower Upper
117 100
119 5.6 75.6 113.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 45.270 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073645.D
Acq: 21 Jun 2022 14:24

Tgt Ion: 98 Resp: 528666
Ion Ratio Lower Upper
98 100
100 66.7 51.4 77.2

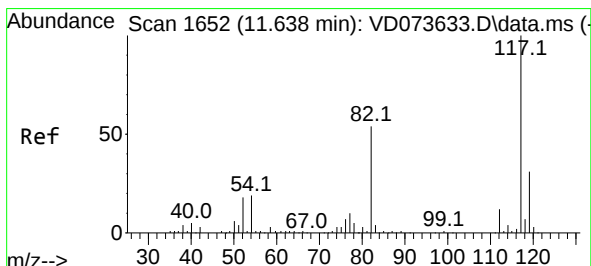
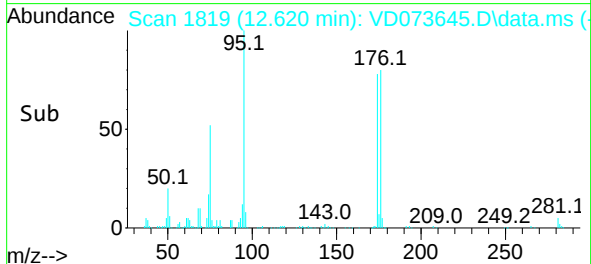
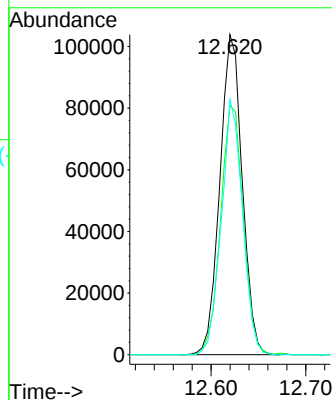
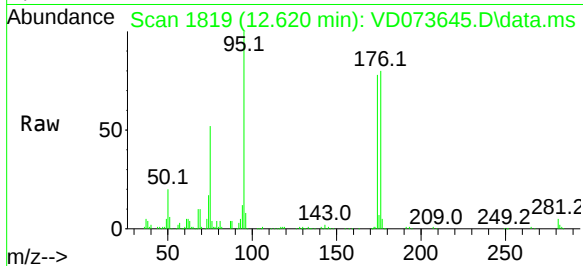




#62
4-Bromofluorobenzene
Concen: 39.840 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073645.D
Acq: 21 Jun 2022 14:24

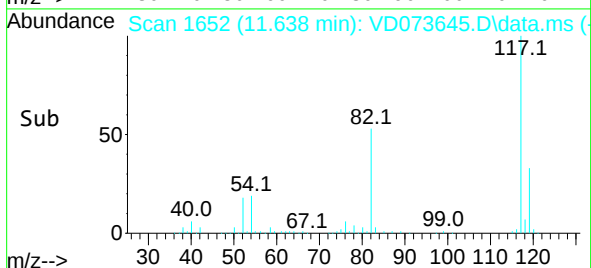
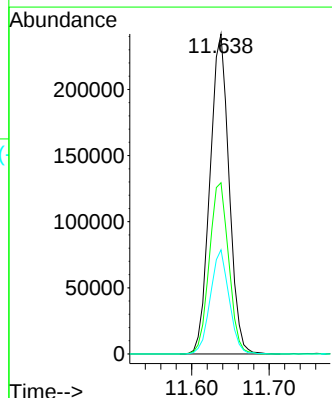
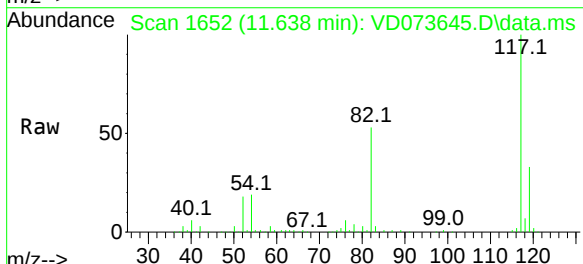
Instrument :
MSVOA_D
ClientSampleId :
TR-04-062122

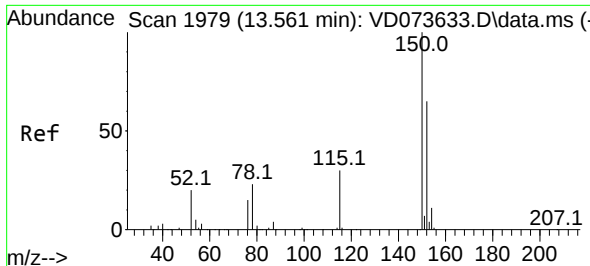
Tgt Ion:	95	Resp:	170619
Ion	Ratio	Lower	Upper
95	100		
174	79.1	0.0	156.4
176	75.6	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073645.D
Acq: 21 Jun 2022 14:24

Tgt Ion:	117	Resp:	414183
Ion	Ratio	Lower	Upper
117	100		
82	53.5	43.0	64.4
119	32.5	24.5	36.7

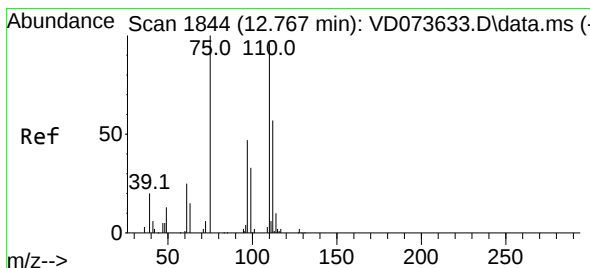
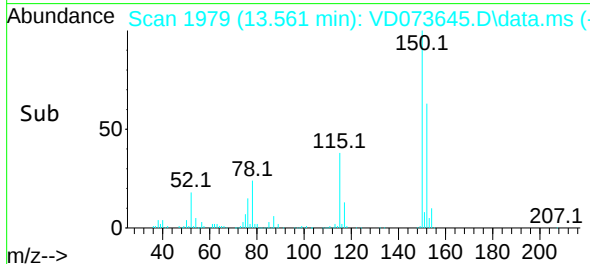
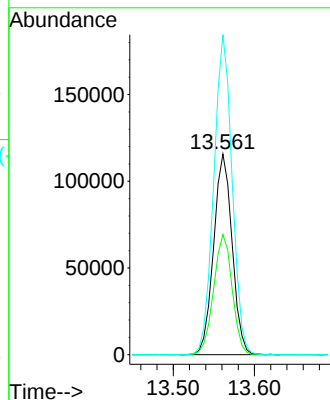
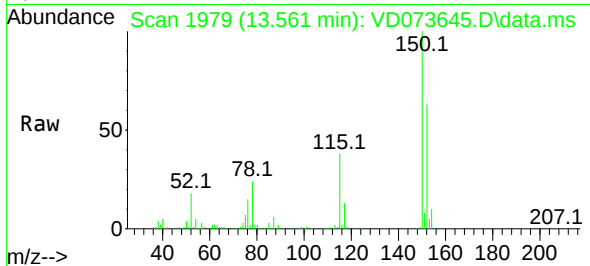




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1819
 Delta R.T. 0.000 min
 Lab File: VD073645.D
 Acq: 21 Jun 2022 14:24

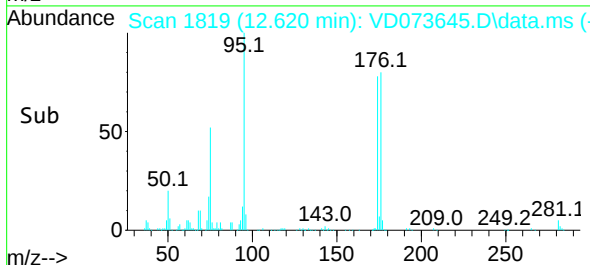
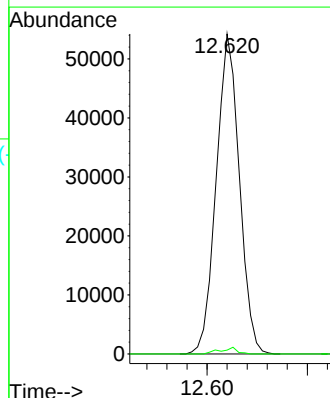
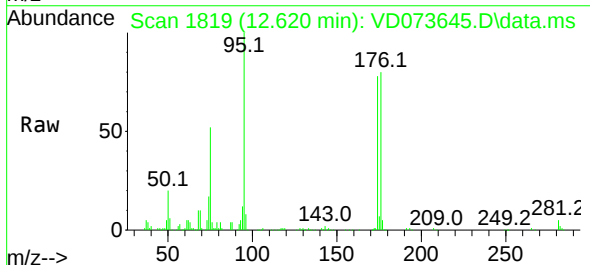
Instrument :
 MSVOA_D
 ClientSampleId :
 TR-04-062122

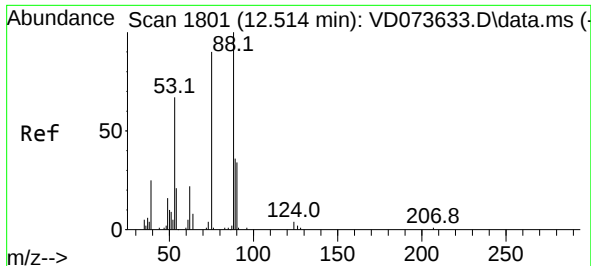
Tgt Ion:152 Resp: 183195
 Ion Ratio Lower Upper
 152 100
 115 60.0 29.6 88.9
 150 158.3 0.0 351.2



#76
 1,2,3-Trichloropropane
 Concen: 48.957 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073645.D
 Acq: 21 Jun 2022 14:24

Tgt Ion: 75 Resp: 86802
 Ion Ratio Lower Upper
 75 100
 77 1.5 208.9 626.7#

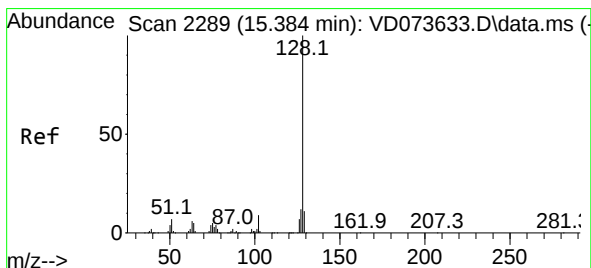
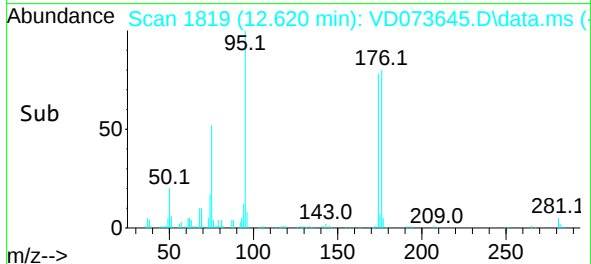
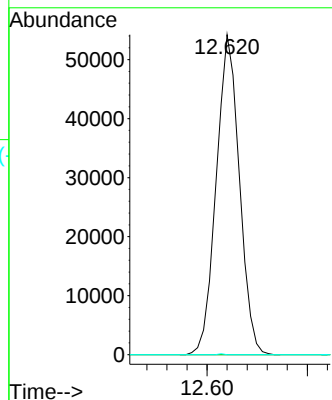
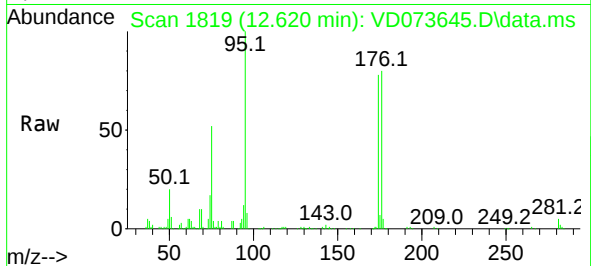




#81
trans-1,4-Dichloro-2-butene
Concen: 112.982 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073645.D
Acq: 21 Jun 2022 14:24

Instrument :
MSVOA_D
ClientSampleId :
TR-04-062122

Tgt Ion: 75 Resp: 86802
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.1 35.8 53.8#



#95
Naphthalene
Concen: 2.809 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. 0.001 min
Lab File: VD073645.D
Acq: 21 Jun 2022 14:24

Tgt Ion: 128 Resp: 831
Ion Ratio Lower Upper
128 100
127 6.5 10.3 15.5#
129 0.0 9.0 13.6#

