

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062222\
 Data File : VD073660.D
 Acq On : 22 Jun 2022 17:47
 Operator : VA/SY
 Sample : N3421-05
 Misc : 5.76G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-9-11-20220620

Quant Time: Jun 23 09:29:29 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)

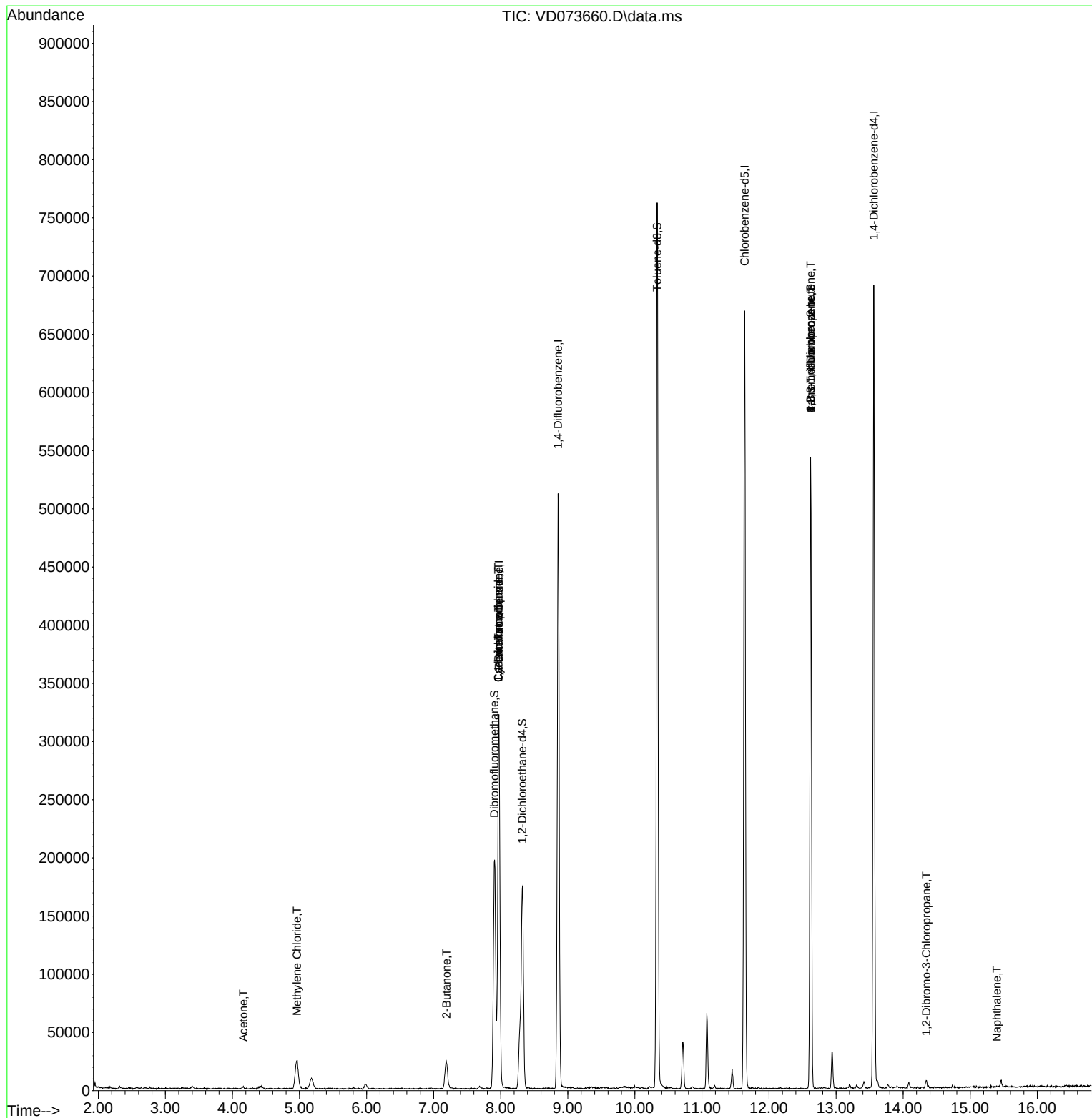
Internal Standards						
1) Pentafluorobenzene	7.973	168	233392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	431184	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	404539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	182426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	141341	52.633	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.260%			
35) Dibromofluoromethane	7.903	113	143867	45.993	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 91.980%			
50) Toluene-d8	10.332	98	514950	45.995	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 92.000%			
62) 4-Bromofluorobenzene	12.620	95	171422	41.752	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.997	85	378	Below Cal	#	40
5) Bromomethane	2.774	94	220	Below Cal		84
11) Tert butyl alcohol	5.179	59	8879	Below Cal	#	76
16) Acetone	4.162	43	2427	5.685	ug/l	99
18) Methyl Acetate	4.944	43	65	Below Cal	#	48
20) Methylene Chloride	4.962	84	21008	2.387	ug/l	93
25) 2-Butanone	7.191	43	667	1.073	ug/l #	44
31) Cyclohexane	7.967	56	4952	1.212	ug/l #	1
36) 1,1-Dichloropropene	7.967	75	18407	4.201	ug/l #	49
38) Carbon Tetrachloride	7.967	117	24568	4.937	ug/l #	19
76) 1,2,3-Trichloropropane	12.620	75	85930	48.669	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	85930	112.318	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.344	75	693	1.793	ug/l #	3
95) Naphthalene	15.396	128	439	2.751	ug/l #	69

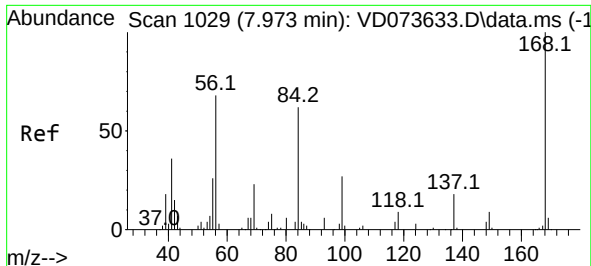
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062222\
Data File : VD073660.D
Acq On : 22 Jun 2022 17:47
Operator : VA/SY
Sample : N3421-05
Misc : 5.76G/5.00ml/MSVOA_D/SOIL
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
SB-3-9-11-20220620

Quant Time: Jun 23 09:29:29 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

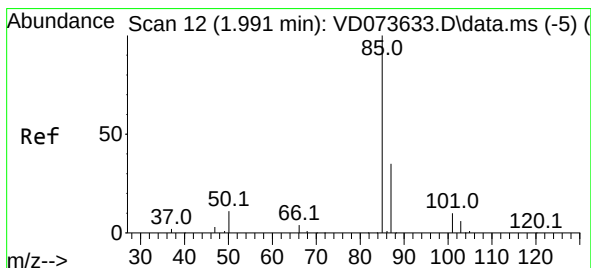
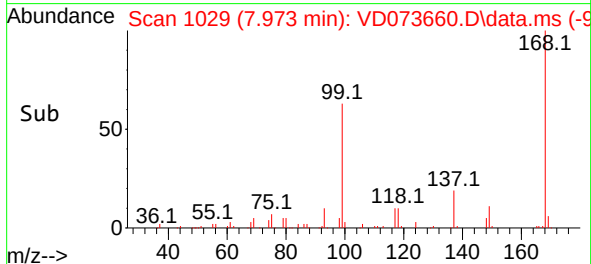
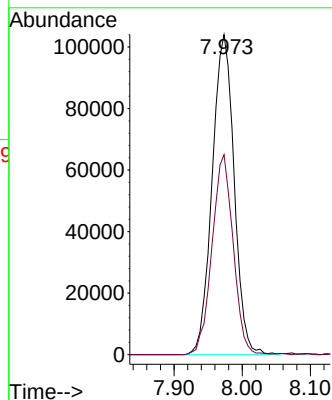
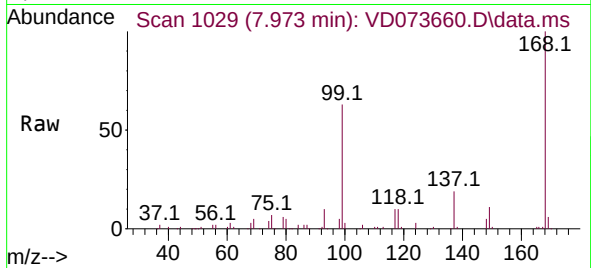




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

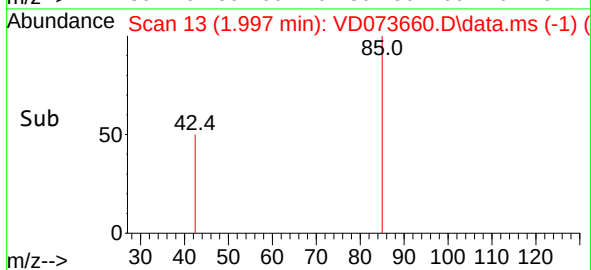
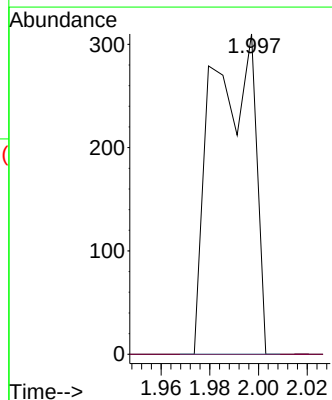
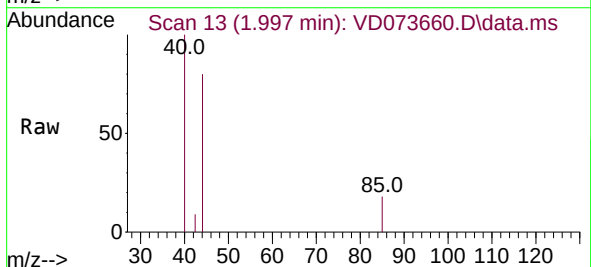
Instrument :
MSVOA_D
ClientSampleId :
SB-3-9-11-20220620

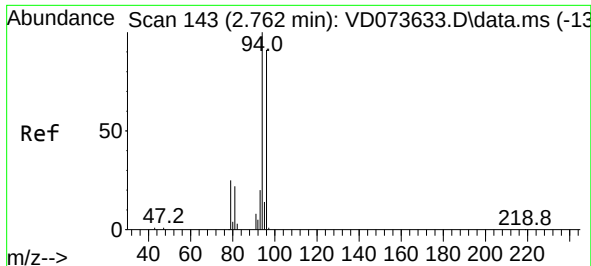
Tgt Ion:168 Resp: 233392
Ion Ratio Lower Upper
168 100
99 62.5 47.4 71.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.997 min Scan# 13
Delta R.T. 0.006 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

Tgt Ion: 85 Resp: 378
Ion Ratio Lower Upper
85 100
87 0.0 17.4 52.2#

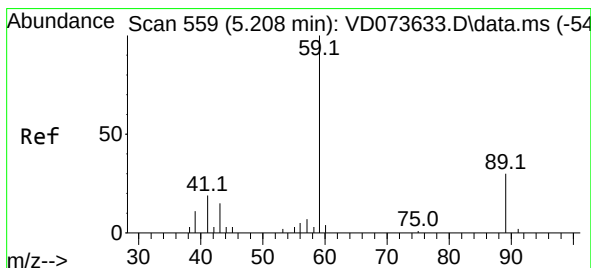
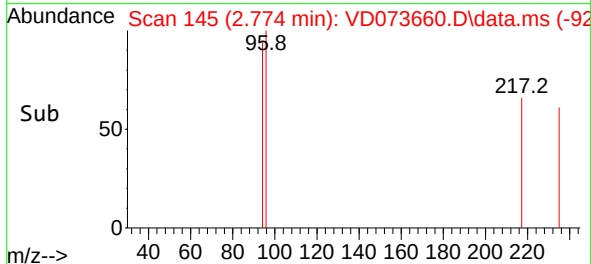
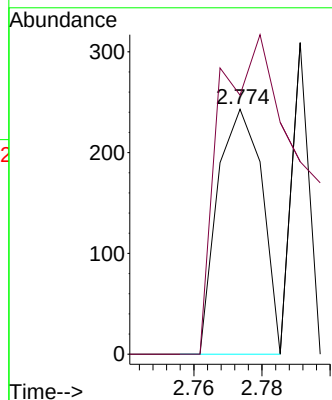
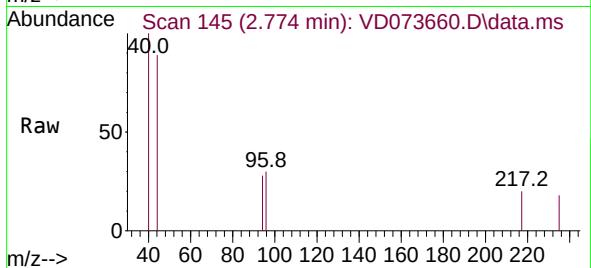




#5
Bromomethane
Concen: Below Cal
RT: 2.774 min Scan# 143
Delta R.T. 0.012 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

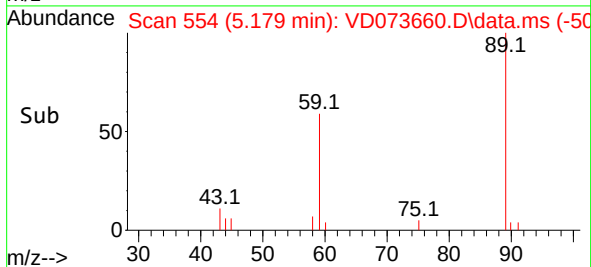
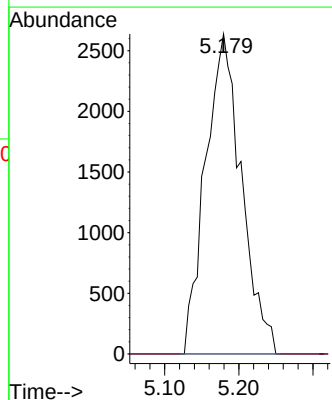
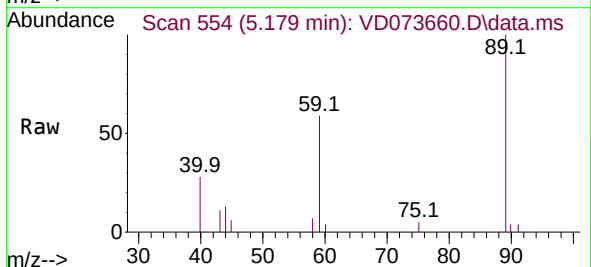
Instrument :
MSVOA_D
ClientSampleId :
SB-3-9-11-20220620

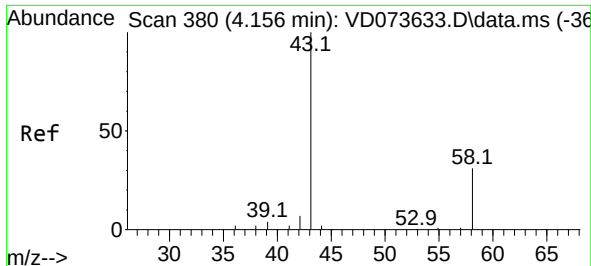
Tgt Ion: 94 Resp: 220
Ion Ratio Lower Upper
94 100
96 105.8 72.6 108.8



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.029 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

Tgt Ion: 59 Resp: 8879
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#

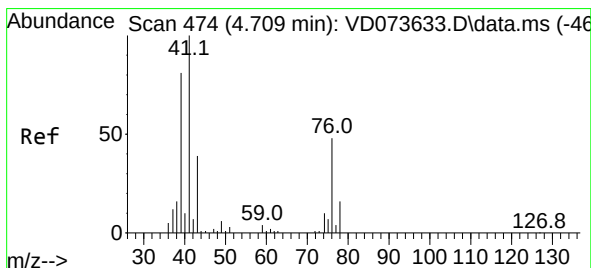
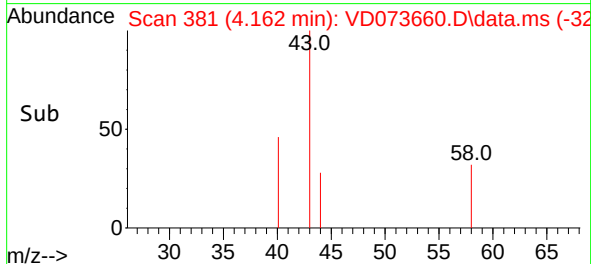
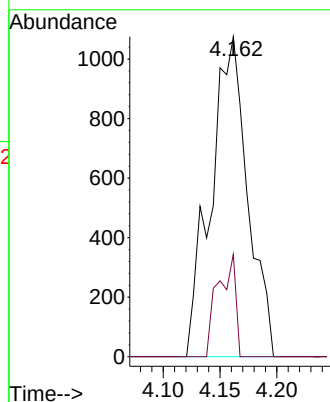
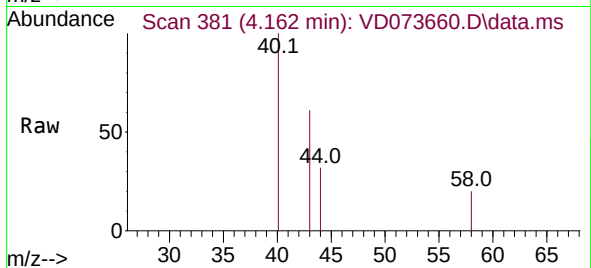




#16
Acetone
Concen: 5.685 ug/l
RT: 4.162 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

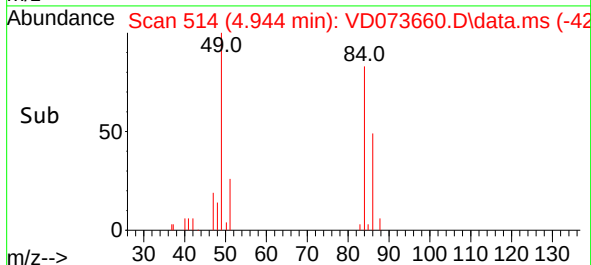
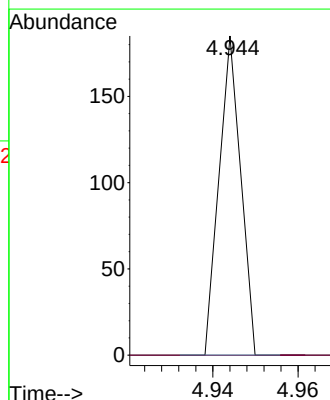
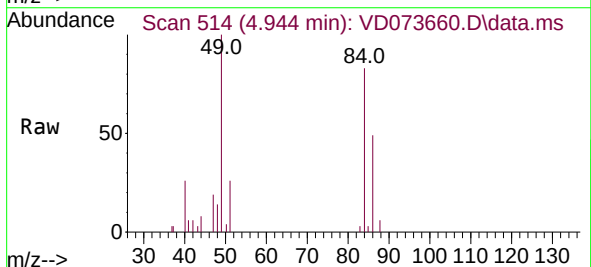
Instrument :
MSVOA_D
ClientSampleId :
SB-3-9-11-20220620

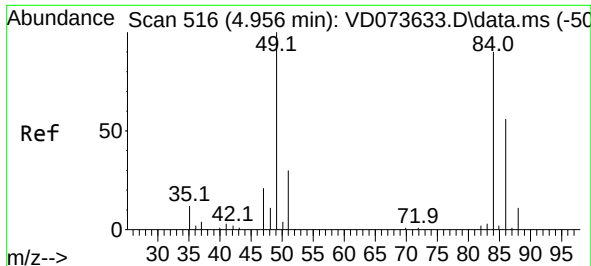
Tgt Ion: 43 Resp: 2427
Ion Ratio Lower Upper
43 100
58 32.0 25.0 37.4



#18
Methyl Acetate
Concen: Below Cal
RT: 4.944 min Scan# 514
Delta R.T. 0.235 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

Tgt Ion: 43 Resp: 65
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#

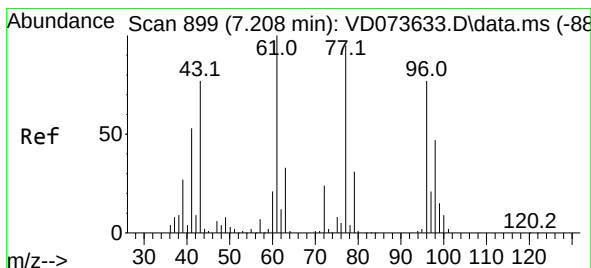
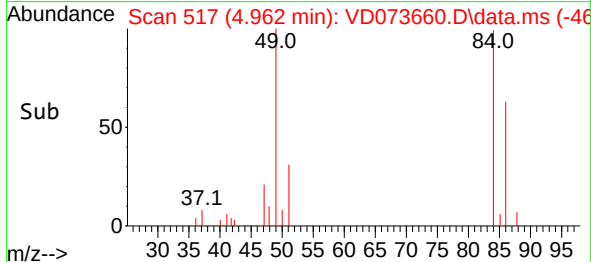
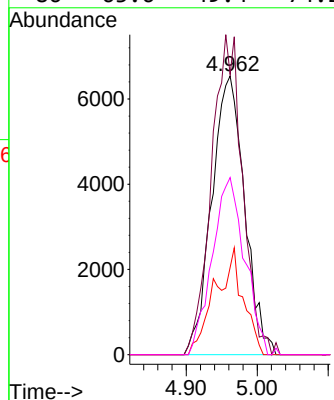
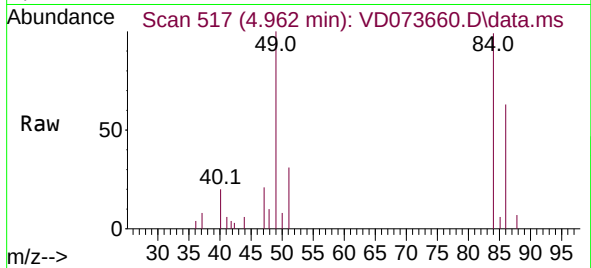




#20
Methylene Chloride
Concen: 2.387 ug/l
RT: 4.962 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

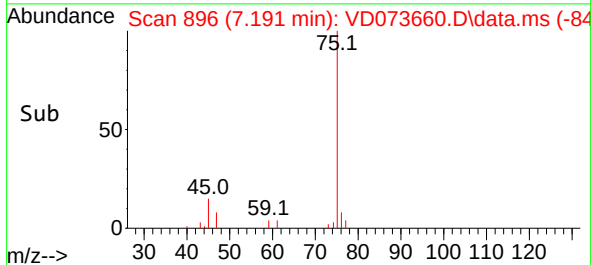
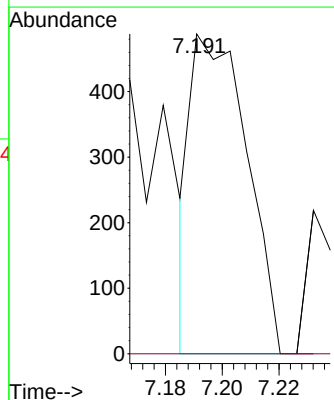
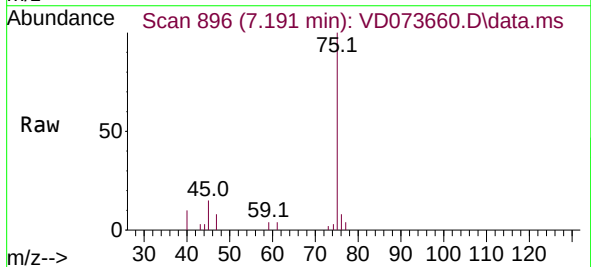
Instrument :
MSVOA_D
ClientSampleId :
SB-3-9-11-20220620

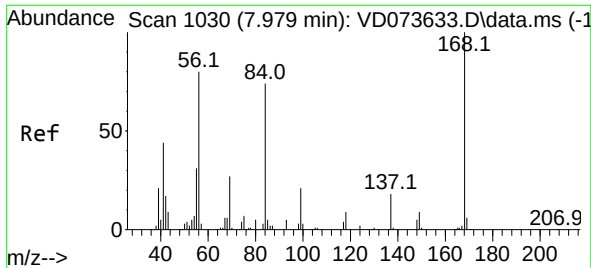
Tgt Ion: 84	Resp: 21008
Ion Ratio	Lower Upper
84 100	
49 100.5	89.0 133.6
51 31.3	26.7 40.1
86 63.6	49.4 74.2



#25
2-Butanone
Concen: 1.073 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.017 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

Tgt Ion: 43	Resp: 667		
Ion Ratio	Lower	Upper	
43 100			
72 0.0	24.7	37.1#	

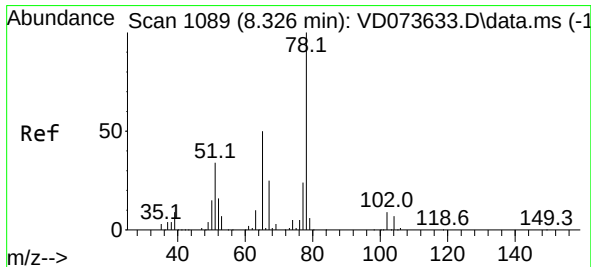
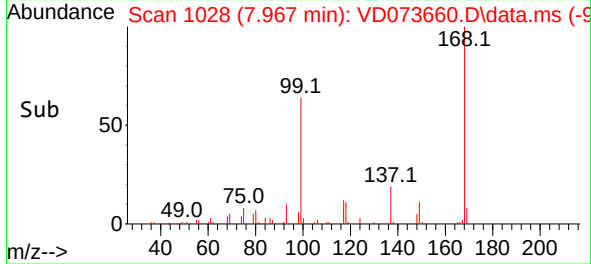
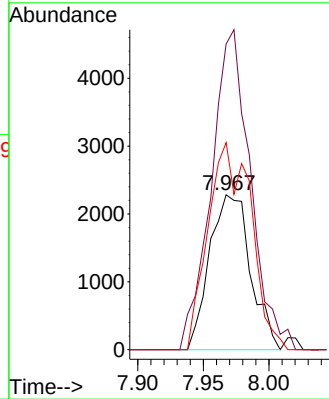
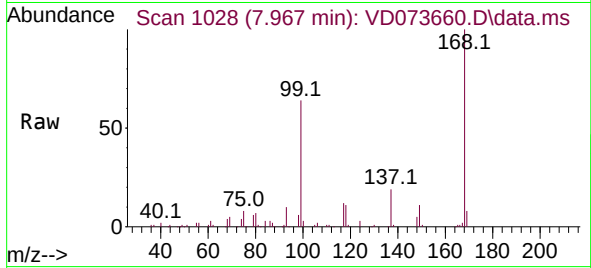




#31
Cyclohexane
Concen: 1.212 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

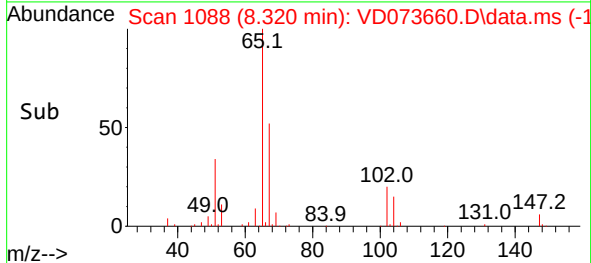
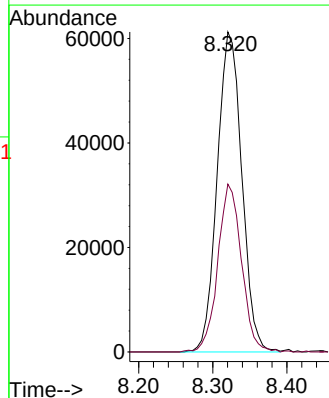
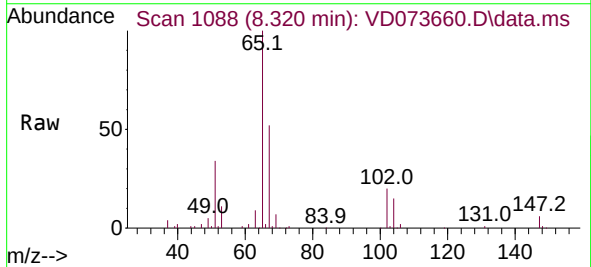
Instrument :
MSVOA_D
ClientSampleId :
SB-3-9-11-20220620

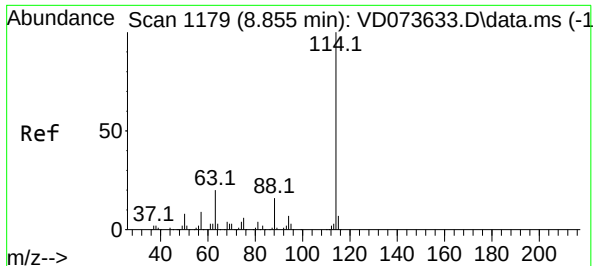
Tgt Ion: 56 Resp: 4952
Ion Ratio Lower Upper
56 100
69 197.3 26.9 40.3#
84 133.7 73.8 110.8#



#33
1,2-Dichloroethane-d4
Concen: 52.633 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. -0.006 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

Tgt Ion: 65 Resp: 141341
Ion Ratio Lower Upper
65 100
67 50.6 0.0 102.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073660.D

Acq: 22 Jun 2022 17:47

Instrument :

MSVOA_D

ClientSampleId :

SB-3-9-11-20220620

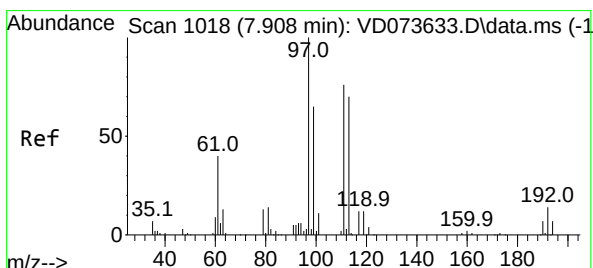
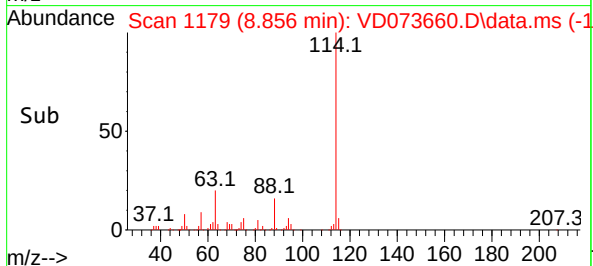
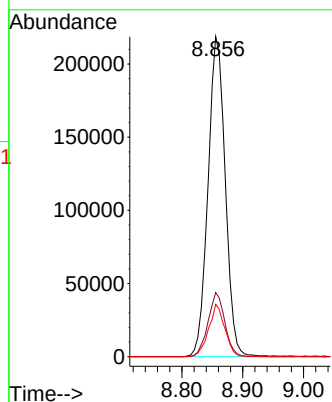
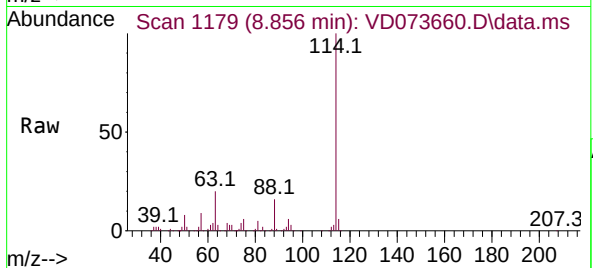
Tgt Ion:114 Resp: 431184

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.4

88 16.3 0.0 32.2



#35

Dibromofluoromethane

Concen: 45.993 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD073660.D

Acq: 22 Jun 2022 17:47

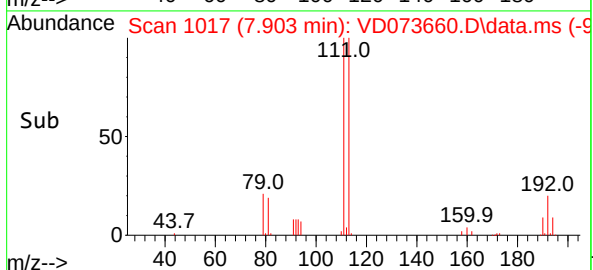
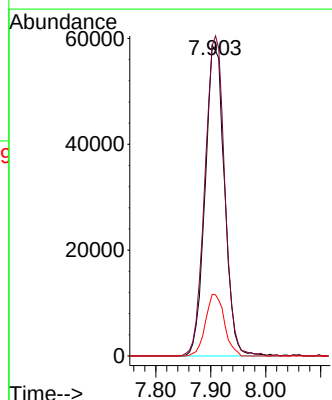
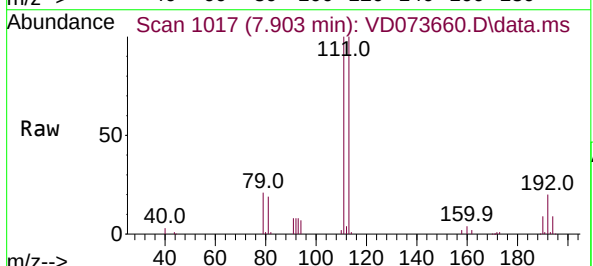
Tgt Ion:113 Resp: 143867

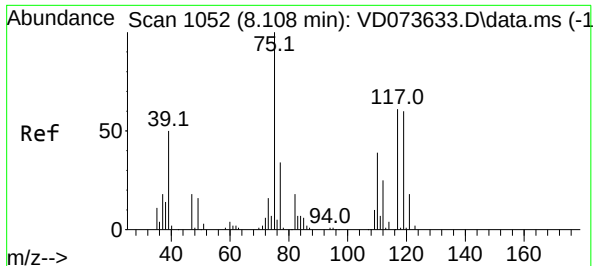
Ion Ratio Lower Upper

113 100

111 105.1 81.1 121.7

192 19.3 14.3 21.5

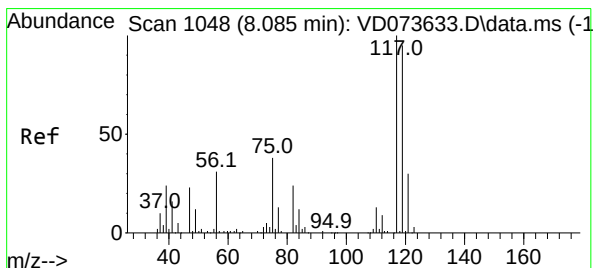
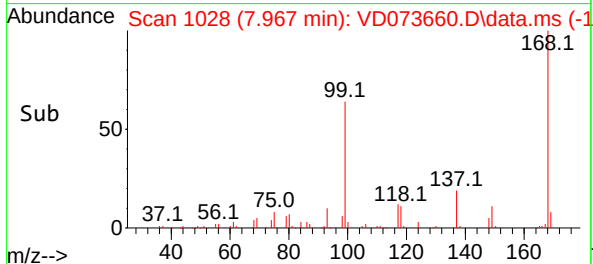
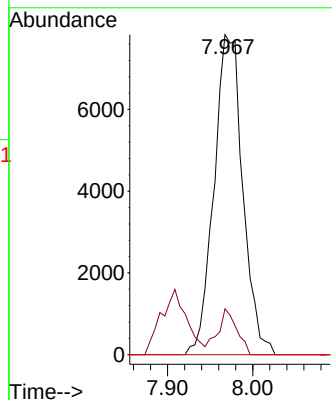
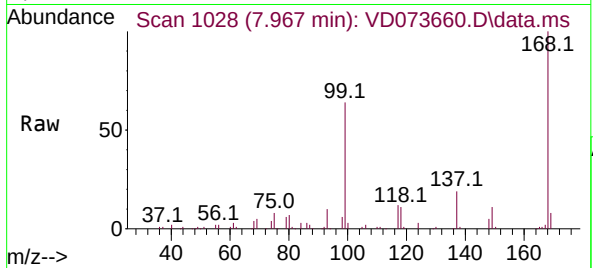




#36
1,1-Dichloropropene
Concen: 4.201 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.141 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

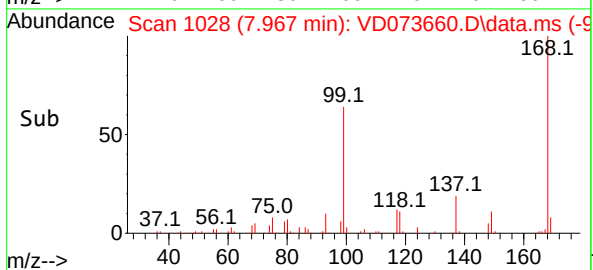
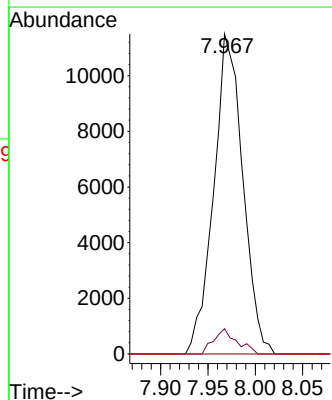
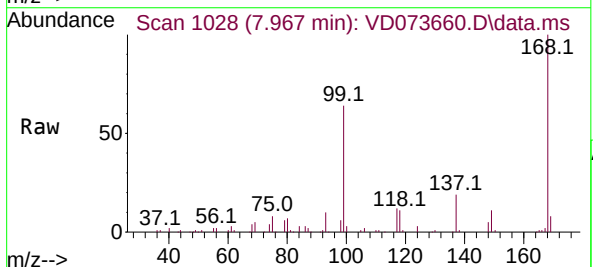
Instrument :
MSVOA_D
ClientSampleId :
SB-3-9-11-20220620

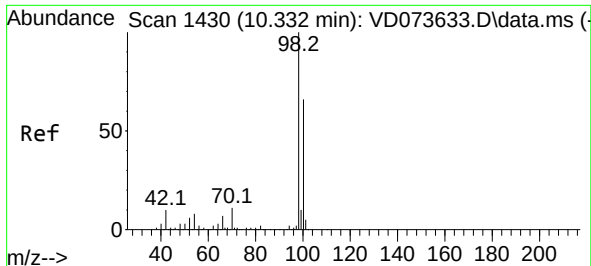
Tgt Ion: 75 Resp: 18407
Ion Ratio Lower Upper
75 100
110 9.5 18.4 55.4#
77 0.0 25.7 38.5#



#38
Carbon Tetrachloride
Concen: 4.937 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.117 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

Tgt Ion: 117 Resp: 24568
Ion Ratio Lower Upper
117 100
119 7.9 75.6 113.4#
121 0.0 24.2 36.4#

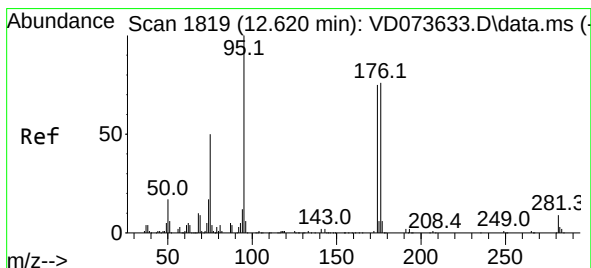
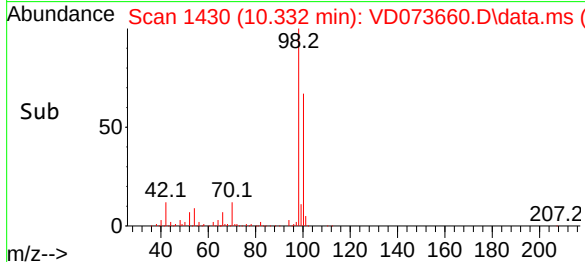
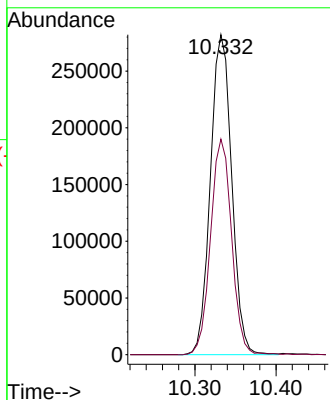
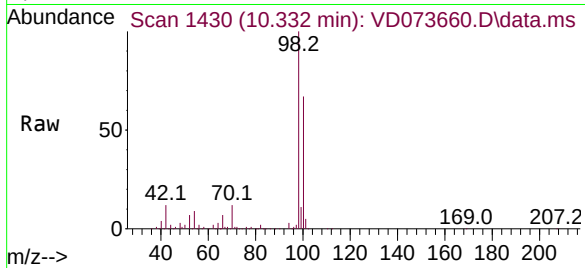




#50
Toluene-d8
Concen: 45.995 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

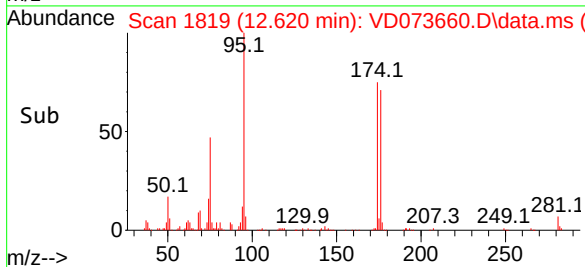
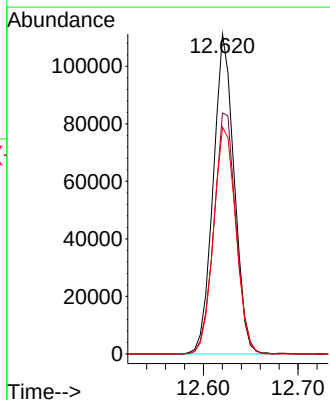
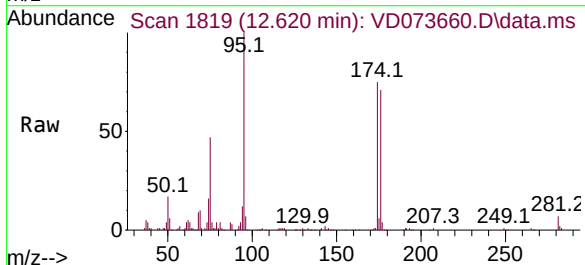
Instrument :
MSVOA_D
ClientSampleId :
SB-3-9-11-20220620

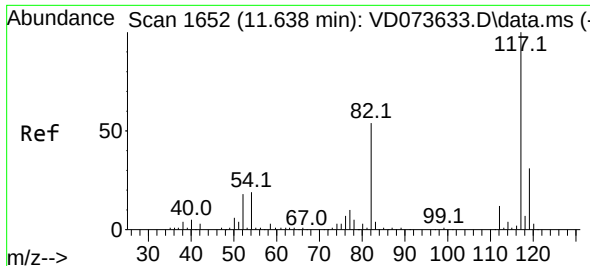
Tgt Ion: 98 Resp: 514950
Ion Ratio Lower Upper
98 100
100 66.5 51.4 77.2



#62
4-Bromofluorobenzene
Concen: 41.752 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

Tgt Ion: 95 Resp: 171422
Ion Ratio Lower Upper
95 100
174 79.3 0.0 156.4
176 75.4 0.0 151.8

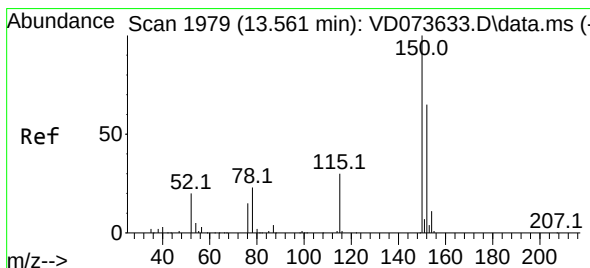
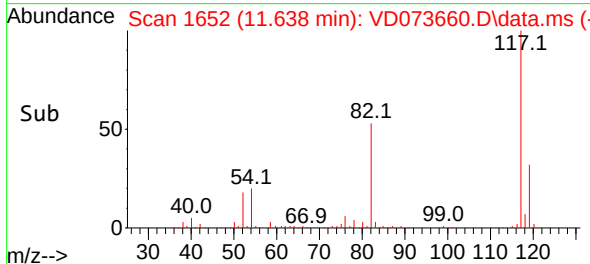
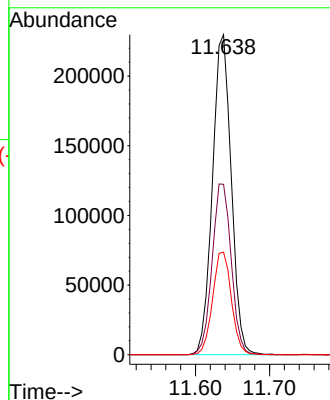
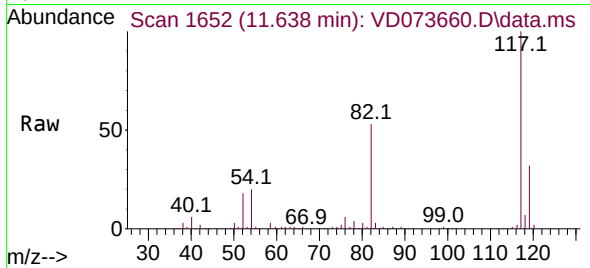




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1179
Delta R.T. 0.000 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

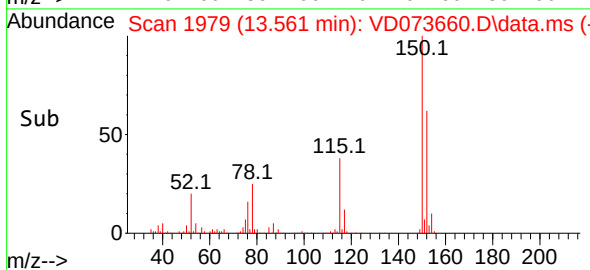
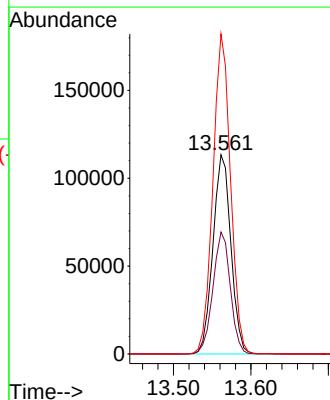
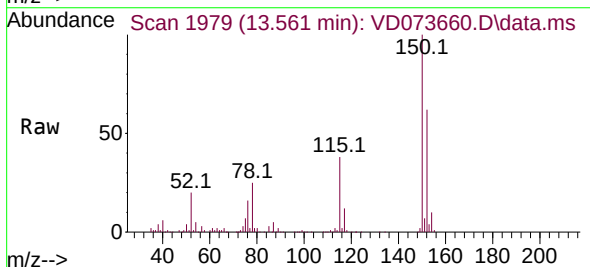
Instrument :
MSVOA_D
ClientSampleId :
SB-3-9-11-20220620

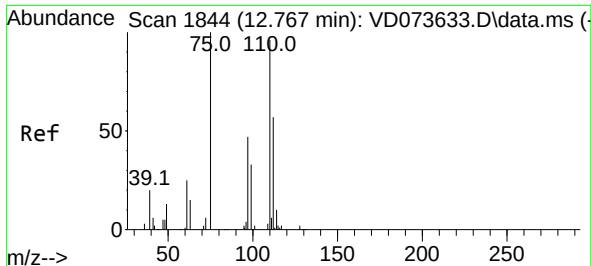
Tgt Ion:117 Resp: 404539
Ion Ratio Lower Upper
117 100
82 53.2 43.0 64.4
119 32.1 24.5 36.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

Tgt Ion:152 Resp: 182426
Ion Ratio Lower Upper
152 100
115 59.2 29.6 88.9
150 157.2 0.0 351.2

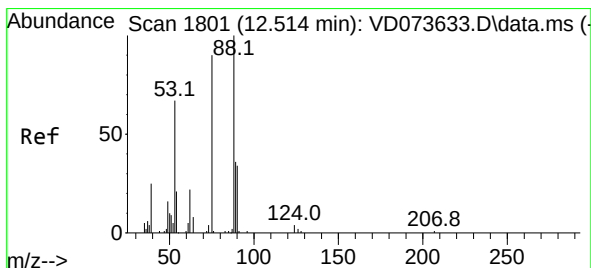
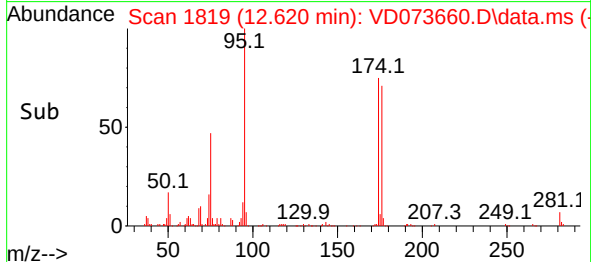
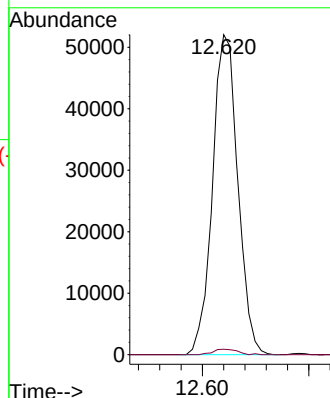
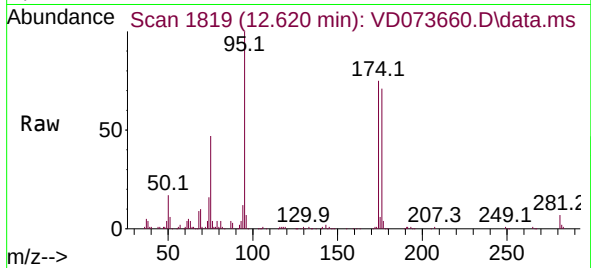




#76
1,2,3-Trichloropropane
Concen: 48.669 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

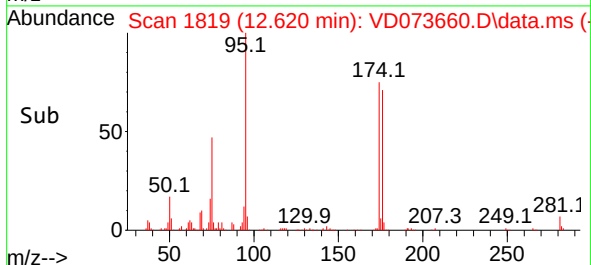
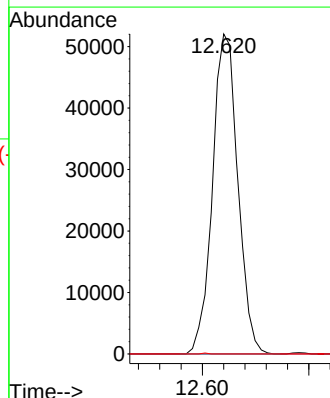
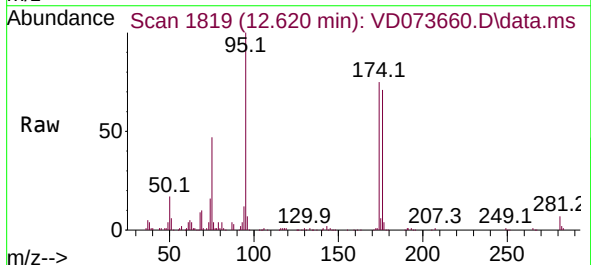
Instrument :
MSVOA_D
ClientSampleId :
SB-3-9-11-20220620

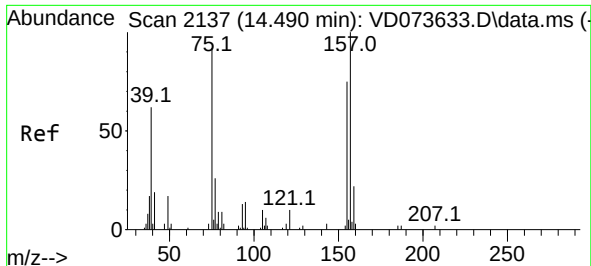
Tgt Ion: 75 Resp: 85930
Ion Ratio Lower Upper
75 100
77 1.7 208.9 626.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 112.318 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073660.D
Acq: 22 Jun 2022 17:47

Tgt Ion: 75 Resp: 85930
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.1 35.8 53.8#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.793 ug/l

RT: 14.344 min Scan# 2112

Delta R.T. -0.147 min

Lab File: VD073660.D

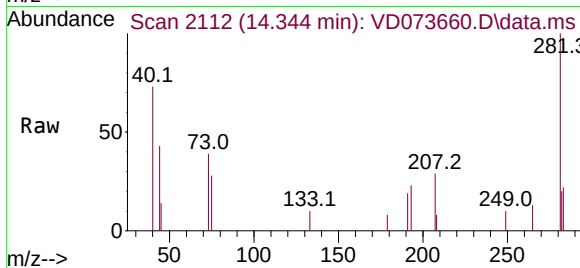
Acq: 22 Jun 2022 17:47

Instrument :

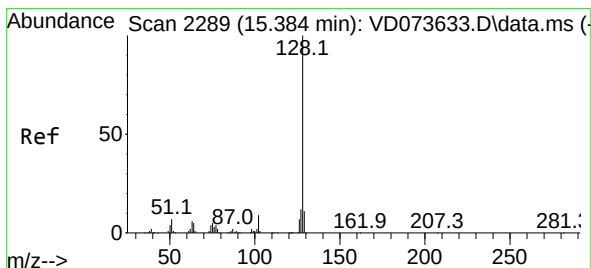
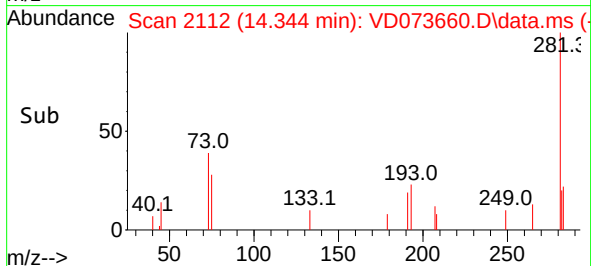
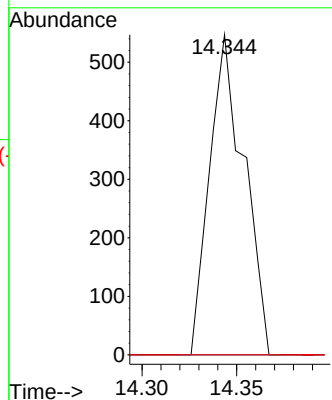
MSVOA_D

ClientSampleId :

SB-3-9-11-20220620



Tgt Ion: 75	Resp: 693
Ion Ratio	Lower Upper
75	100
155	0.0 41.6 124.8#
157	0.0 51.7 155.2#



#95

Naphthalene

Concen: 2.751 ug/l

RT: 15.396 min Scan# 2291

Delta R.T. 0.012 min

Lab File: VD073660.D

Acq: 22 Jun 2022 17:47

Tgt Ion: 128	Resp: 439
Ion Ratio	Lower Upper
128	100
127	0.0 10.3 15.5#
129	0.0 9.0 13.6#

