

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD062222\
 Data File : VD073661.D
 Acq On : 22 Jun 2022 18:16
 Operator : VA/SY
 Sample : N3421-06
 Misc : 4.17G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-3-23-25-20220620

Quant Time: Jun 23 09:29:47 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)

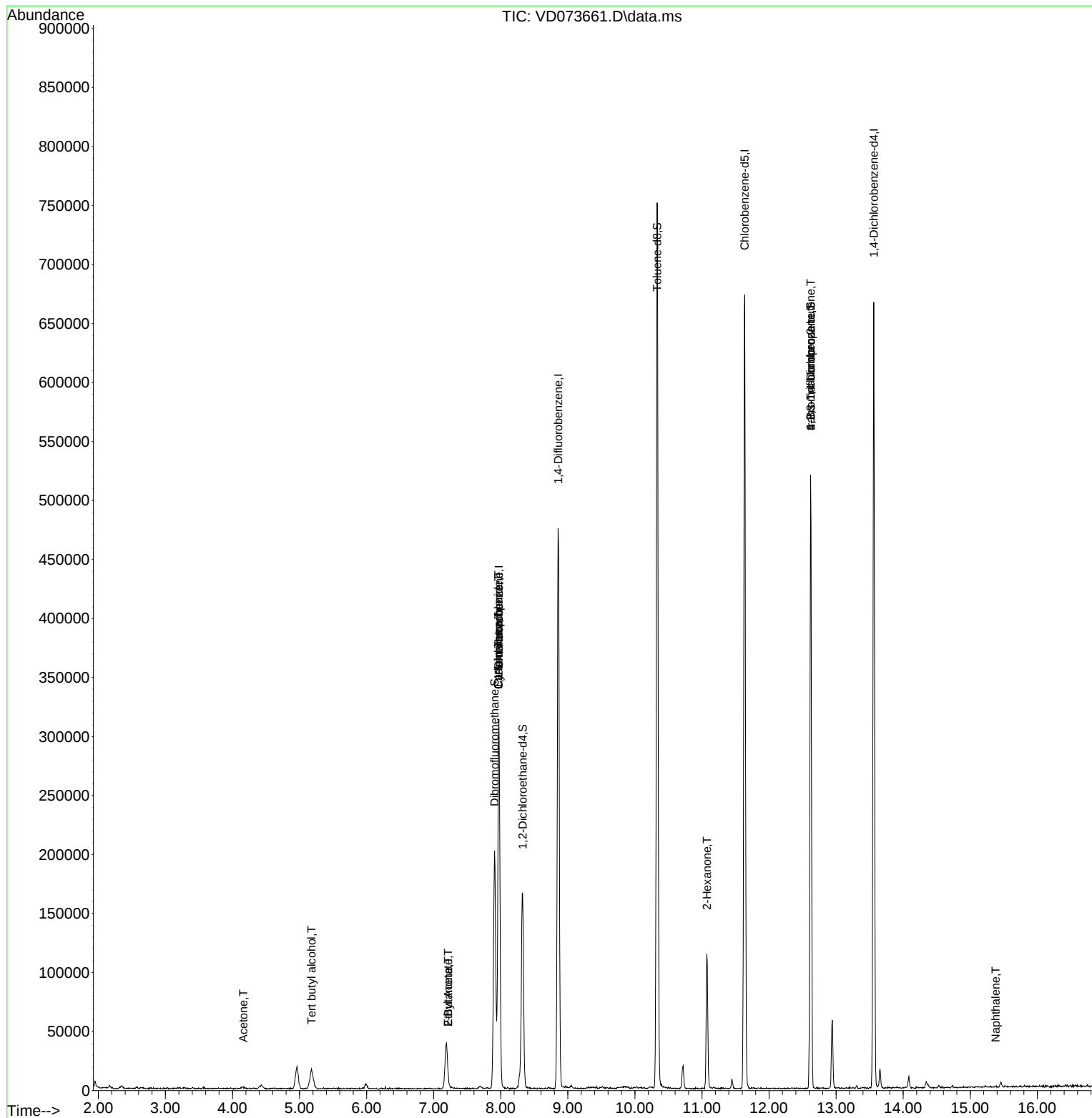
Internal Standards						
1) Pentafluorobenzene	7.973	168	228334	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	416292	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	394552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	177257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	139764	53.198	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.400%	
35) Dibromofluoromethane	7.908	113	144003	47.684	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 95.360%	
50) Toluene-d8	10.332	98	508666	47.059	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 94.120%	
62) 4-Bromofluorobenzene	12.620	95	160936	40.600	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.200%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.991	85	461	Below Cal	#	40
5) Bromomethane	2.773	94	316	Below Cal		92
11) Tert butyl alcohol	5.179	59	14610	12.697	ug/l #	76
16) Acetone	4.161	43	2652	6.349	ug/l #	43
18) Methyl Acetate	4.438	43	1075	Below Cal	#	48
20) Methylene Chloride	4.956	84	14621	Below Cal		95
25) 2-Butanone	7.214	43	2395	3.939	ug/l #	44
31) Cyclohexane	7.967	56	5024	1.257	ug/l #	12
36) 1,1-Dichloropropene	7.967	75	17867	4.224	ug/l #	49
37) Ethyl Acetate	7.214	43	2395	1.472	ug/l #	69
38) Carbon Tetrachloride	7.967	117	23994	4.994	ug/l #	17
59) 2-Hexanone	11.073	43	1453	1.339	ug/l #	48
76) 1,2,3-Trichloropropane	12.620	75	85209	49.668	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.620	75	85209	114.624	ug/l #	14
95) Naphthalene	15.379	128	353	2.740	ug/l #	69

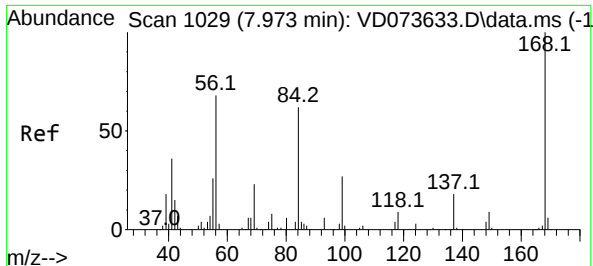
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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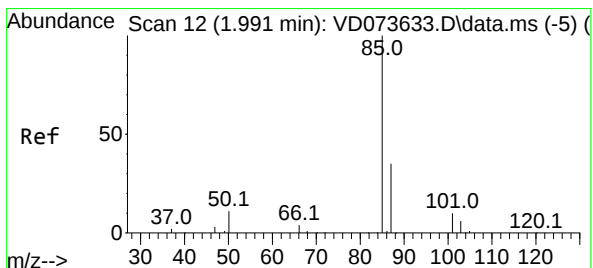
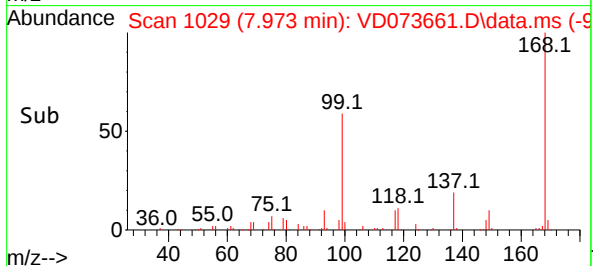
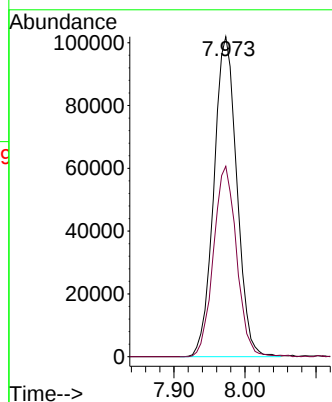
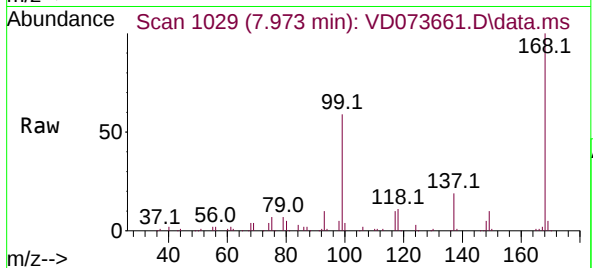




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073661.D
Acq: 22 Jun 2022 18:16

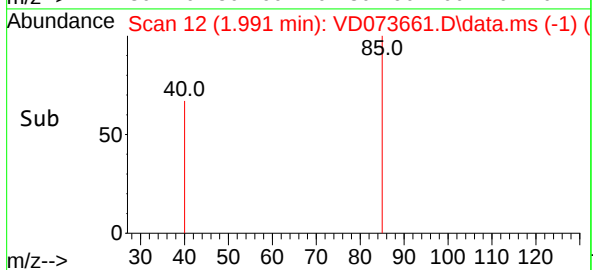
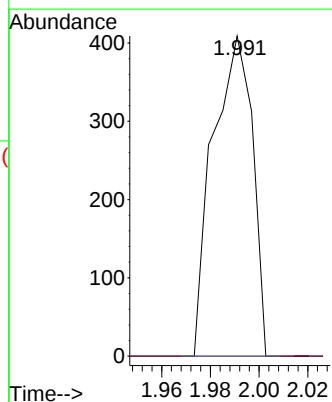
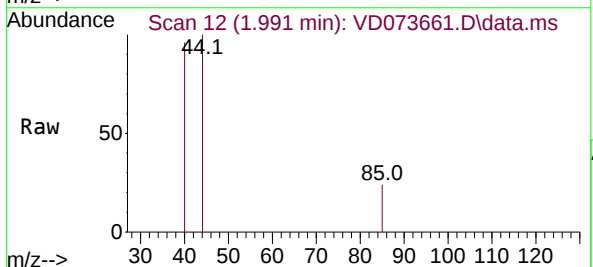
Instrument :
MSVOA_D
ClientSampleId :
SB-3-23-25-20220620

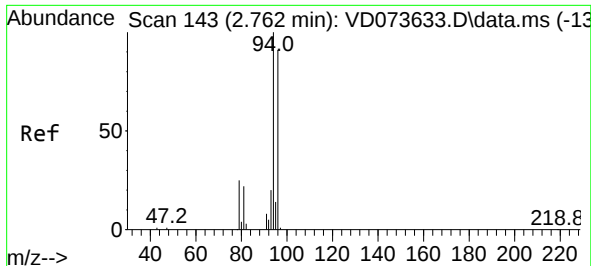
Tgt Ion:168 Resp: 228334
Ion Ratio Lower Upper
168 100
99 59.5 47.4 71.0



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.991 min Scan# 12
Delta R.T. 0.000 min
Lab File: VD073661.D
Acq: 22 Jun 2022 18:16

Tgt Ion: 85 Resp: 461
Ion Ratio Lower Upper
85 100
87 0.0 17.4 52.2#

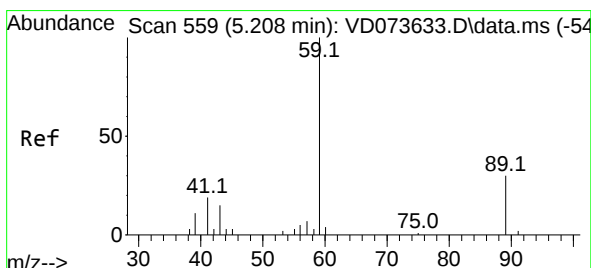
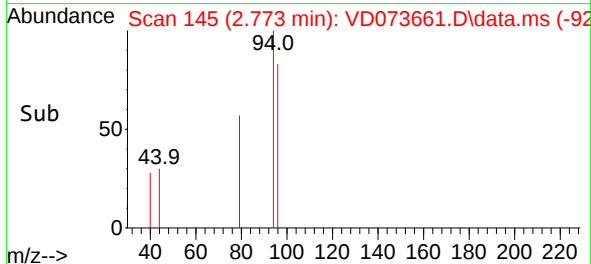
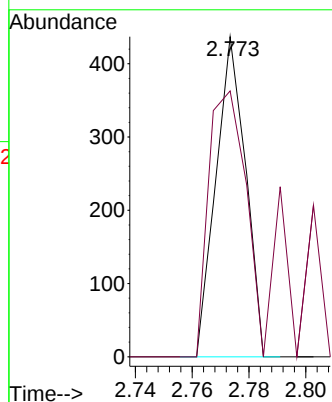
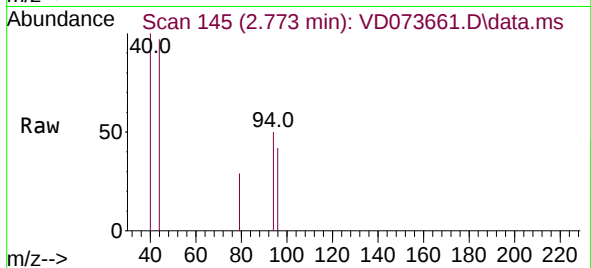




#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 143
Delta R.T. 0.011 min
Lab File: VD073661.D
Acq: 22 Jun 2022 18:16

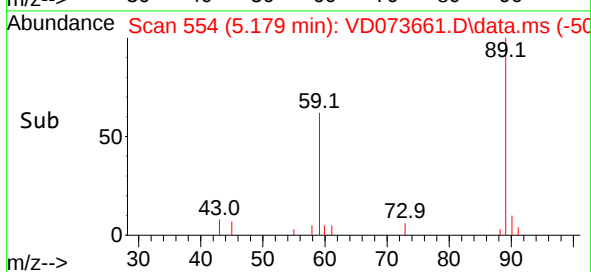
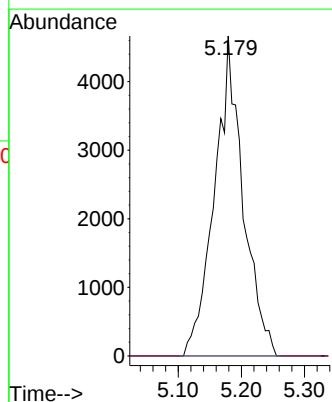
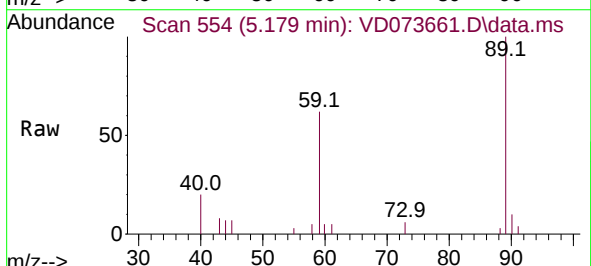
Instrument :
MSVOA_D
ClientSampleId :
SB-3-23-25-20220620

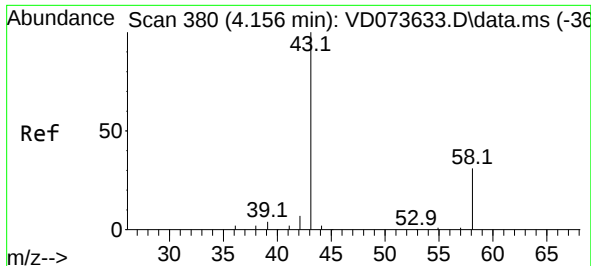
Tgt Ion: 94 Resp: 316
Ion Ratio Lower Upper
94 100
96 83.1 72.6 108.8



#11
Tert butyl alcohol
Concen: 12.697 ug/l
RT: 5.179 min Scan# 554
Delta R.T. -0.029 min
Lab File: VD073661.D
Acq: 22 Jun 2022 18:16

Tgt Ion: 59 Resp: 14610
Ion Ratio Lower Upper
59 100
57 0.0 6.7 10.1#

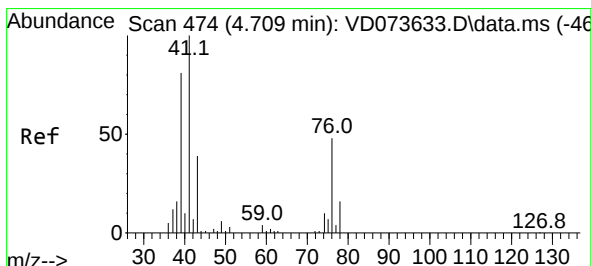
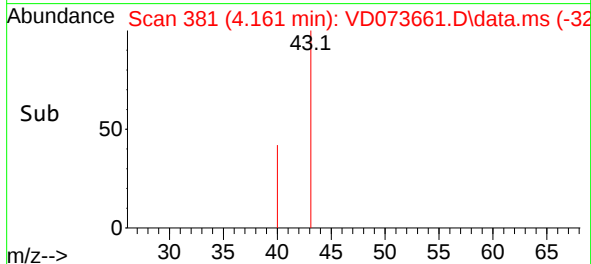
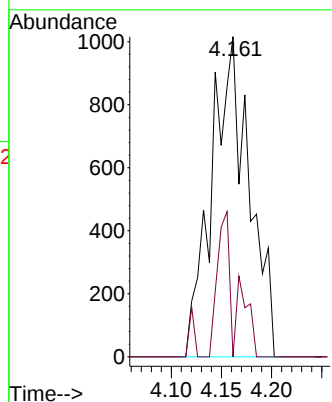
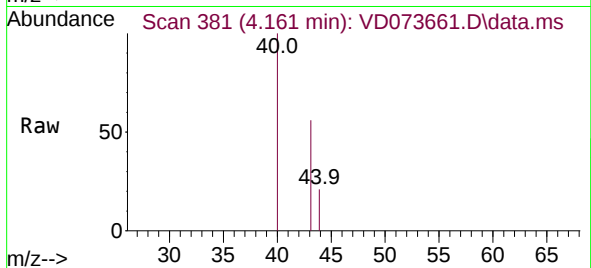




#16
Acetone
Concen: 6.349 ug/l
RT: 4.161 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073661.D
Acq: 22 Jun 2022 18:16

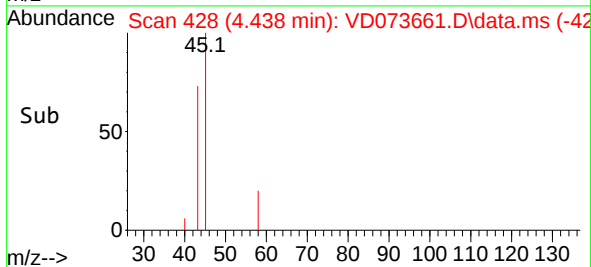
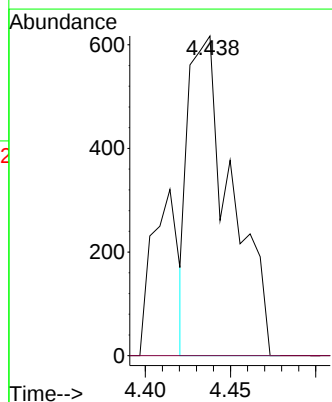
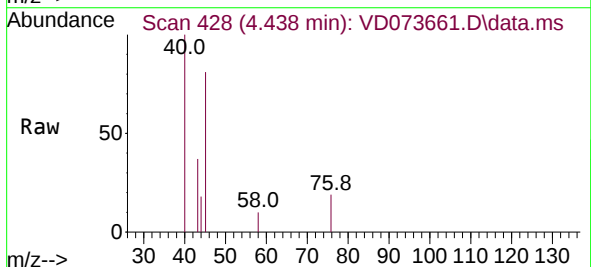
Instrument :
MSVOA_D
ClientSampleId :
SB-3-23-25-20220620

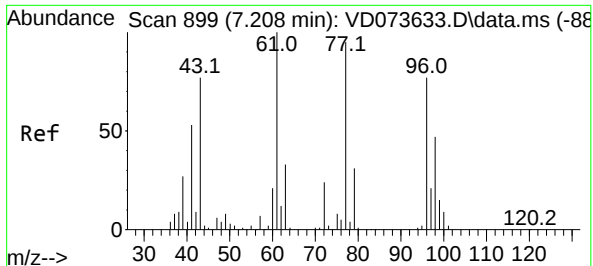
Tgt Ion: 43 Resp: 2652
Ion Ratio Lower Upper
43 100
58 0.0 25.0 37.4#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.438 min Scan# 428
Delta R.T. -0.271 min
Lab File: VD073661.D
Acq: 22 Jun 2022 18:16

Tgt Ion: 43 Resp: 1075
Ion Ratio Lower Upper
43 100
74 0.0 21.2 31.8#





#25

2-Butanone

Concen: 3.939 ug/l

RT: 7.214 min Scan# 90

Delta R.T. 0.006 min

Lab File: VD073661.D

Acq: 22 Jun 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

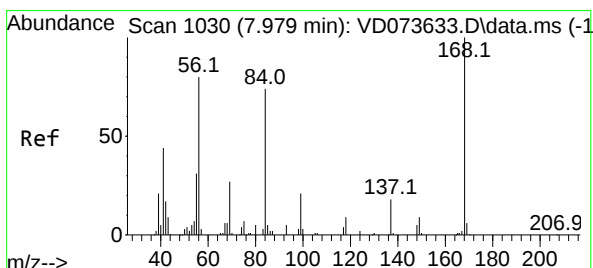
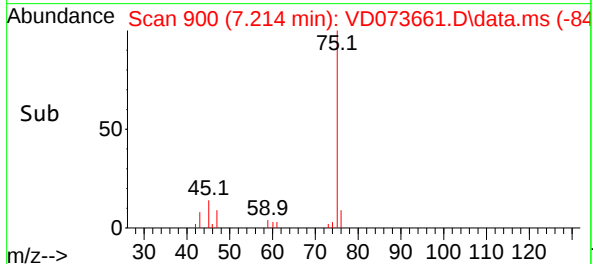
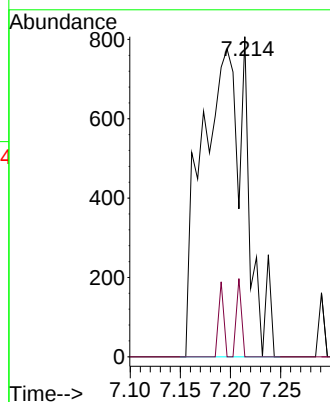
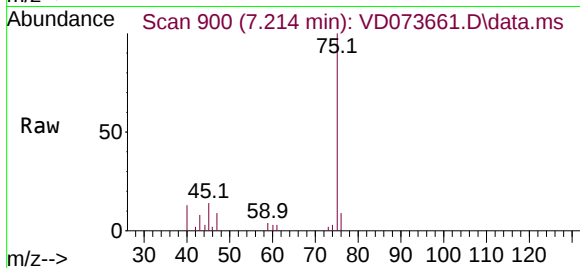
SB-3-23-25-20220620

Tgt Ion: 43 Resp: 2395

Ion Ratio Lower Upper

43 100

72 0.0 24.7 37.1#



#31

Cyclohexane

Concen: 1.257 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.012 min

Lab File: VD073661.D

Acq: 22 Jun 2022 18:16

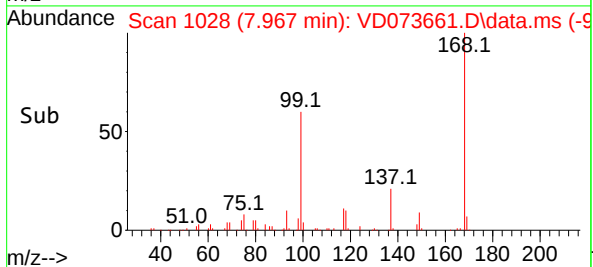
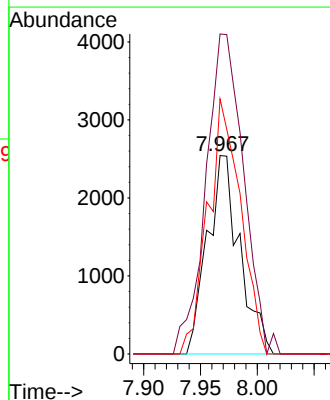
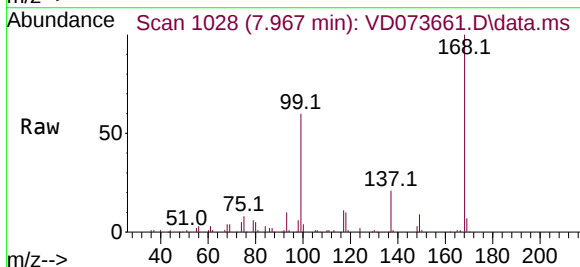
Tgt Ion: 56 Resp: 5024

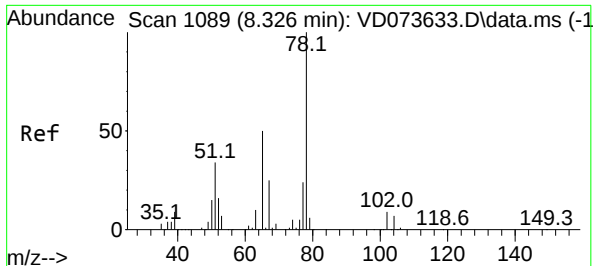
Ion Ratio Lower Upper

56 100

69 161.2 26.9 40.3#

84 128.5 73.8 110.8#





#33

1,2-Dichloroethane-d4

Concen: 53.198 ug/l

RT: 8.326 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073661.D

Acq: 22 Jun 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

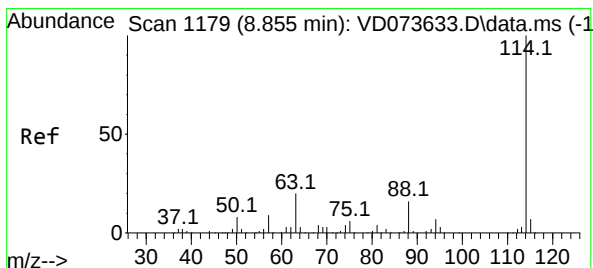
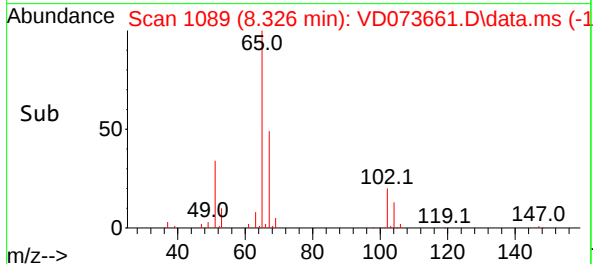
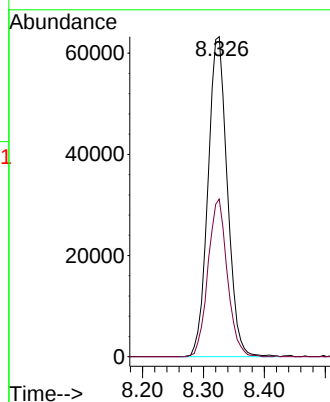
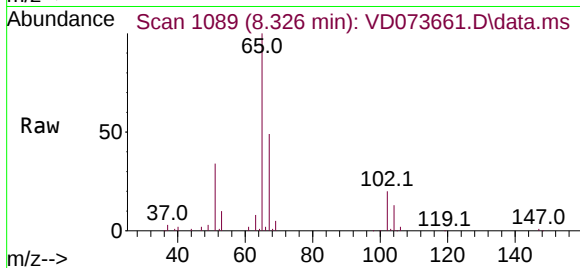
SB-3-23-25-20220620

Tgt Ion: 65 Resp: 139764

Ion Ratio Lower Upper

65 100

67 49.2 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. 0.000 min

Lab File: VD073661.D

Acq: 22 Jun 2022 18:16

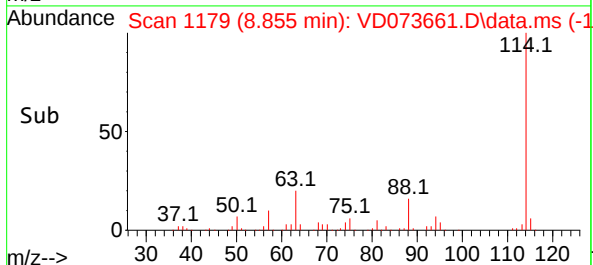
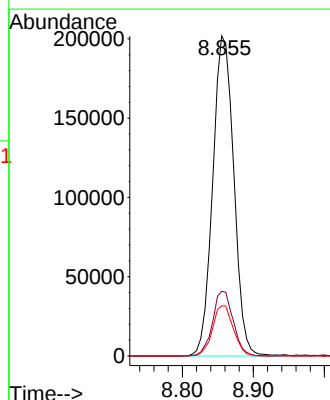
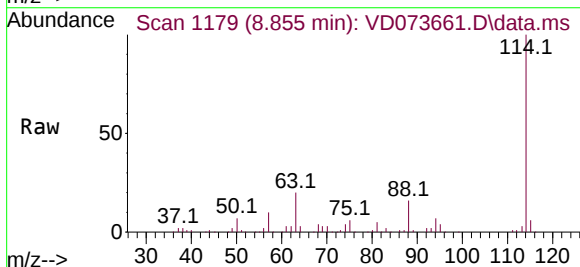
Tgt Ion: 114 Resp: 416292

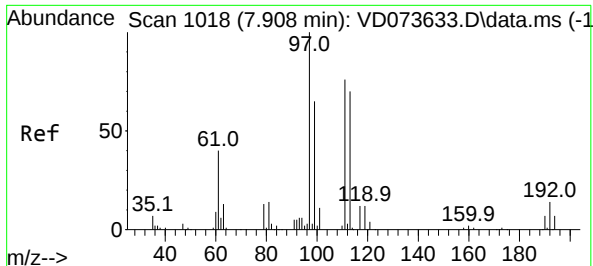
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.4

88 15.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.684 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. -0.000 min

Lab File: VD073661.D

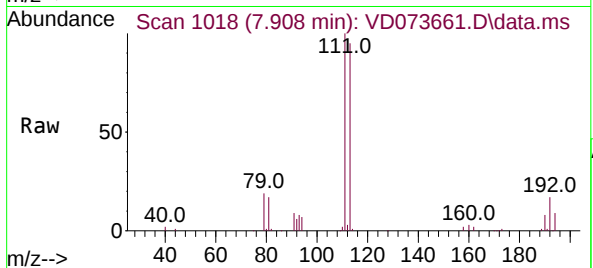
Acq: 22 Jun 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

SB-3-23-25-20220620



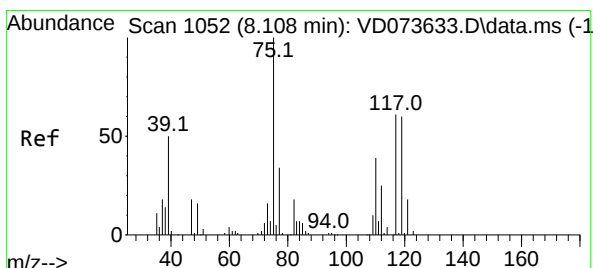
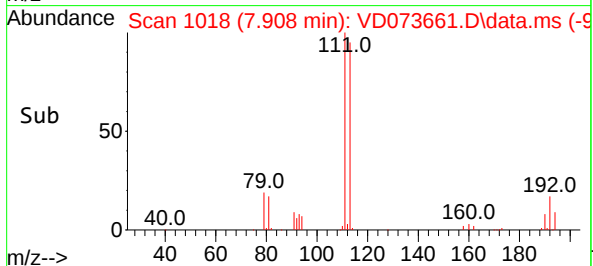
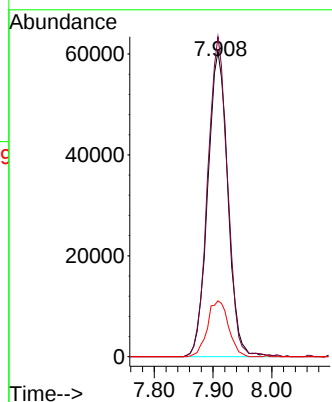
Tgt Ion:113 Resp: 144003

Ion Ratio Lower Upper

113 100

111 103.3 81.1 121.7

192 19.1 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.224 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.141 min

Lab File: VD073661.D

Acq: 22 Jun 2022 18:16

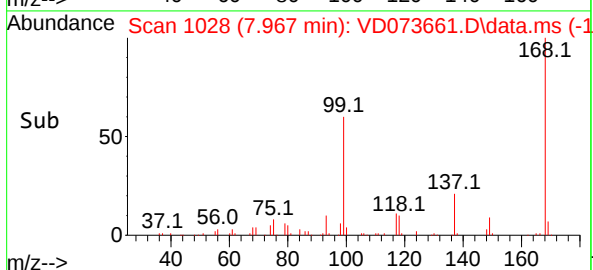
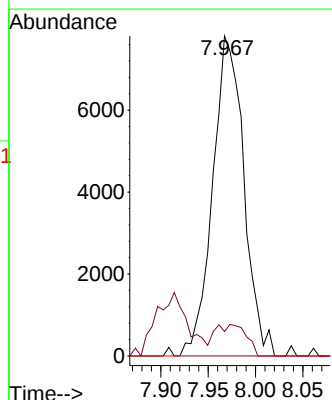
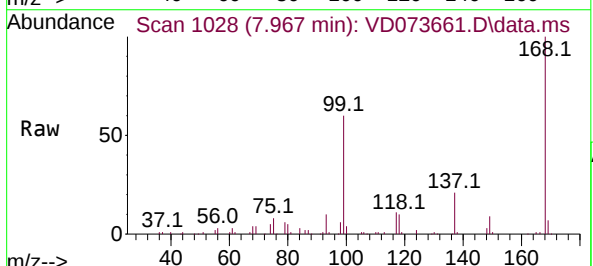
Tgt Ion: 75 Resp: 17867

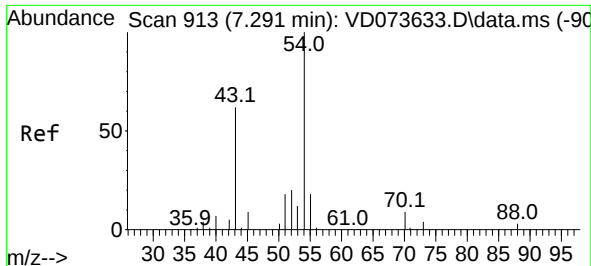
Ion Ratio Lower Upper

75 100

110 9.8 18.4 55.4#

77 0.0 25.7 38.5#





#37

Ethyl Acetate

Concen: 1.472 ug/l

RT: 7.214 min Scan# 90

Delta R.T. -0.076 min

Lab File: VD073661.D

Acq: 22 Jun 2022 18:16

Instrument :

MSVOA_D

ClientSampleId :

SB-3-23-25-20220620

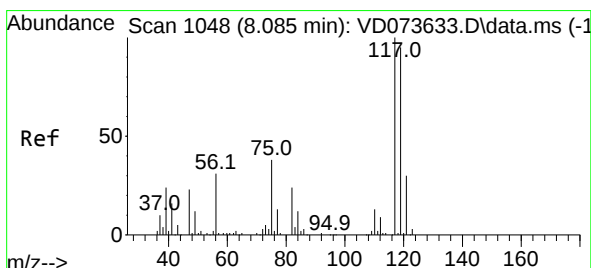
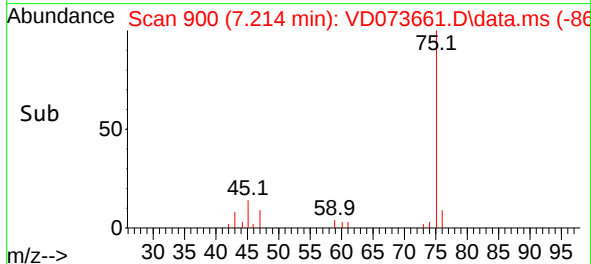
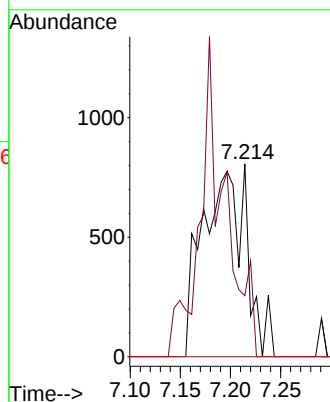
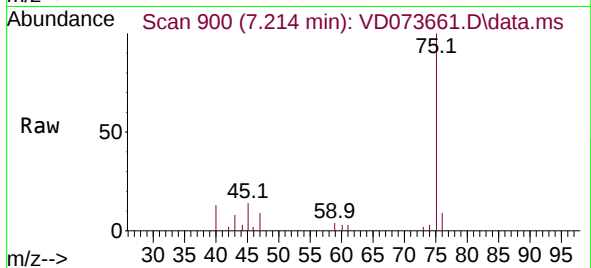
Tgt Ion: 43 Resp: 2395

Ion Ratio Lower Upper

43 100

61 0.0 10.5 15.7#

70 0.0 8.9 13.3#



#38

Carbon Tetrachloride

Concen: 4.994 ug/l

RT: 7.967 min Scan# 1028

Delta R.T. -0.118 min

Lab File: VD073661.D

Acq: 22 Jun 2022 18:16

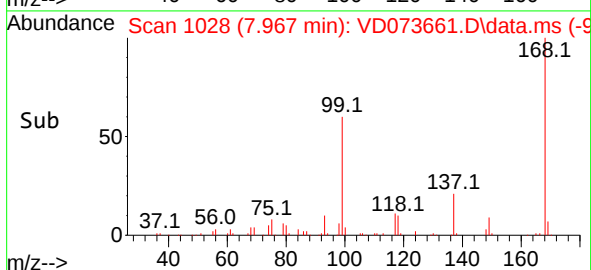
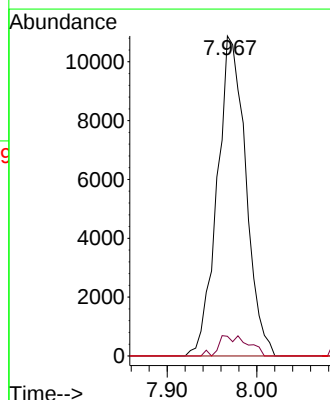
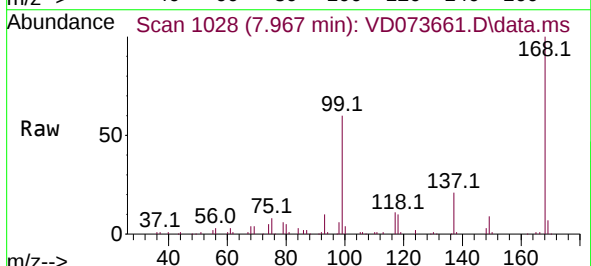
Tgt Ion: 117 Resp: 23994

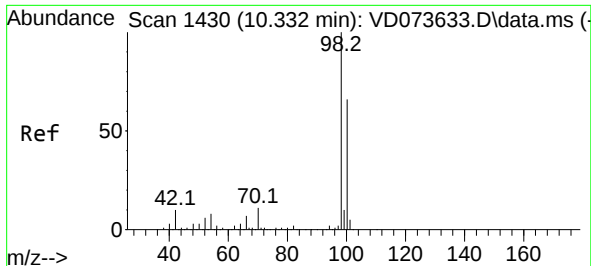
Ion Ratio Lower Upper

117 100

119 6.2 75.6 113.4#

121 0.0 24.2 36.4#

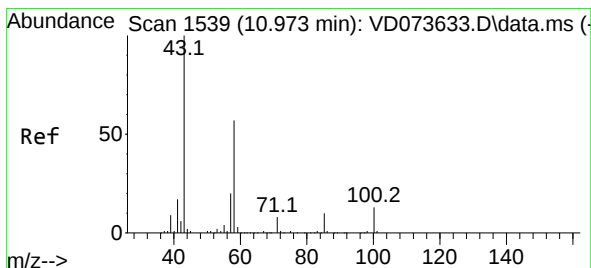
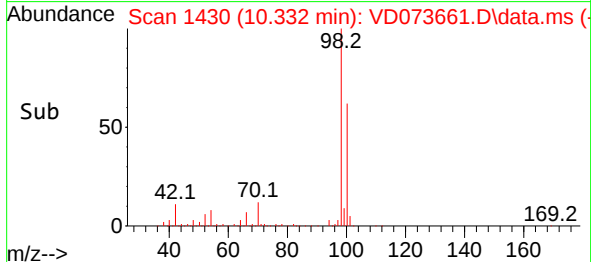
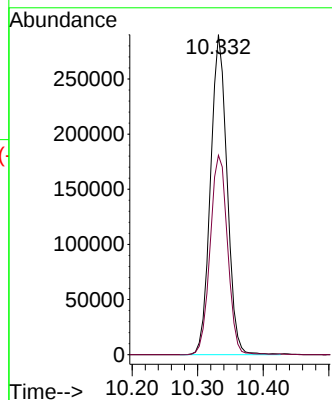
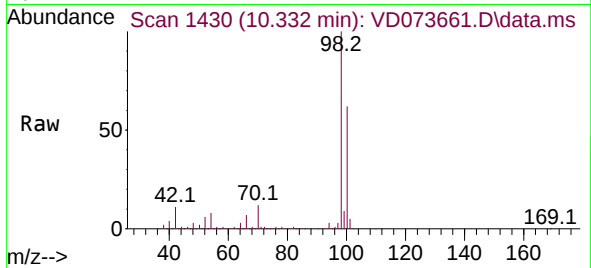




#50
Toluene-d8
Concen: 47.059 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073661.D
Acq: 22 Jun 2022 18:16

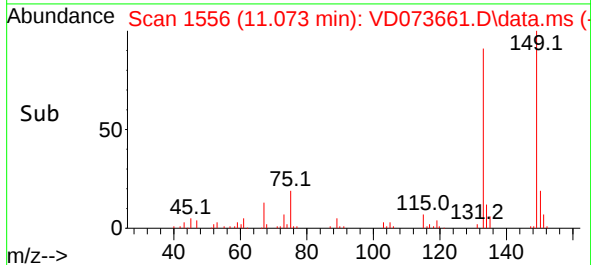
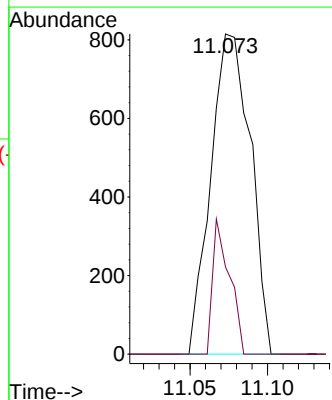
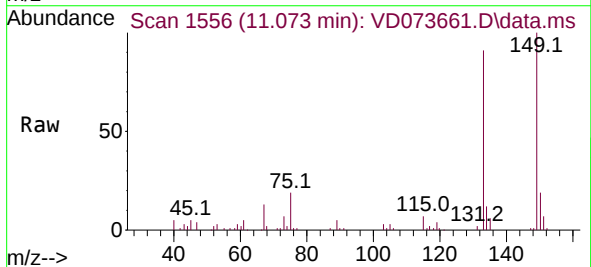
Instrument :
MSVOA_D
ClientSampleId :
SB-3-23-25-20220620

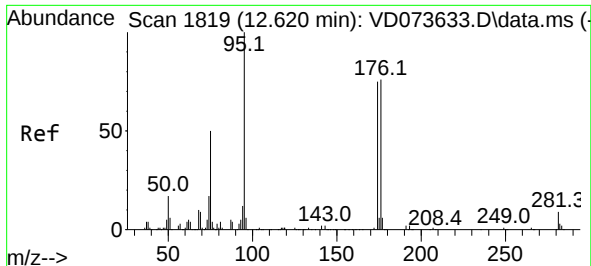
Tgt Ion: 98 Resp: 508666
Ion Ratio Lower Upper
98 100
100 65.4 51.4 77.2



#59
2-Hexanone
Concen: 1.339 ug/l
RT: 11.073 min Scan# 1556
Delta R.T. 0.100 min
Lab File: VD073661.D
Acq: 22 Jun 2022 18:16

Tgt Ion: 43 Resp: 1453
Ion Ratio Lower Upper
43 100
58 17.9 28.1 84.2#

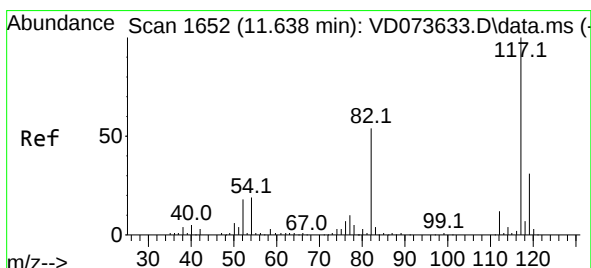
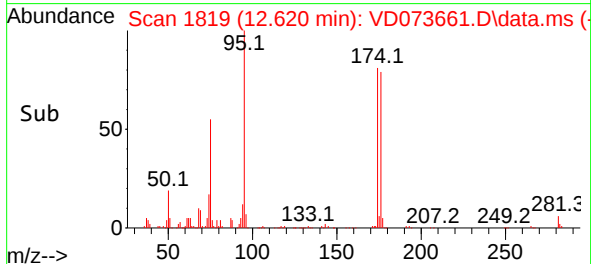
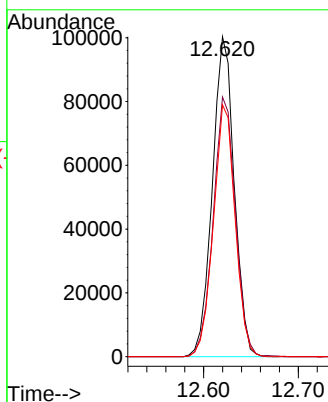
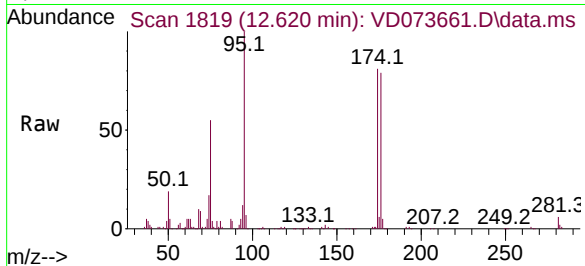




#62
4-Bromofluorobenzene
Concen: 40.600 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073661.D
Acq: 22 Jun 2022 18:16

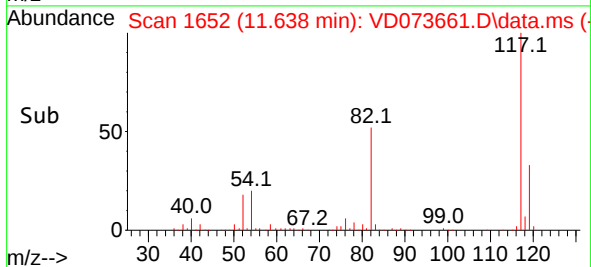
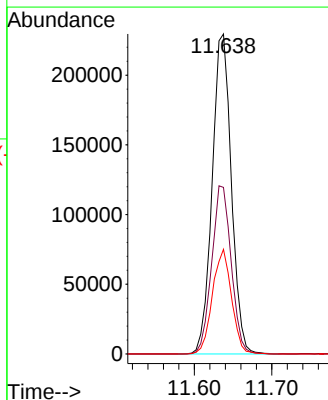
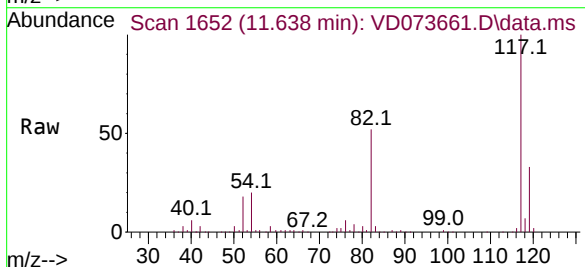
Instrument :
MSVOA_D
ClientSampleId :
SB-3-23-25-20220620

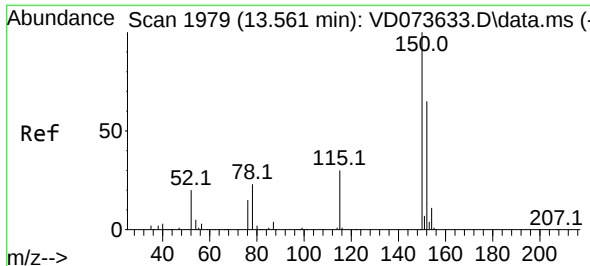
Tgt Ion:	95	Resp:	160936
Ion Ratio	Lower	Upper	
95	100		
174	82.6	0.0	156.4
176	78.2	0.0	151.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073661.D
Acq: 22 Jun 2022 18:16

Tgt Ion:	117	Resp:	394552
Ion Ratio	Lower	Upper	
117	100		
82	52.1	43.0	64.4
119	32.7	24.5	36.7

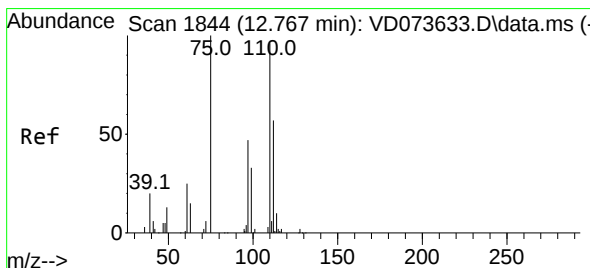
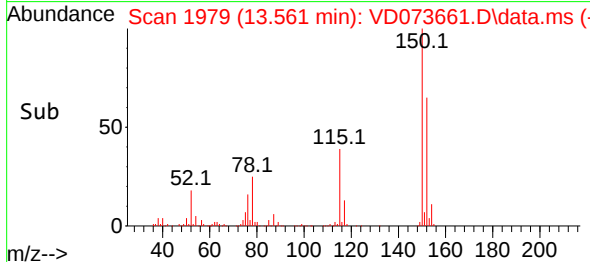
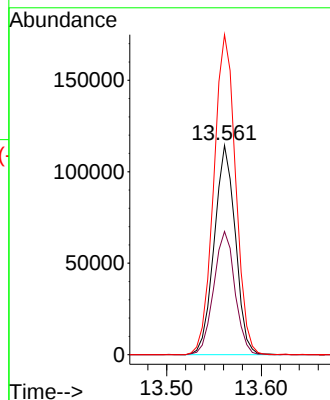
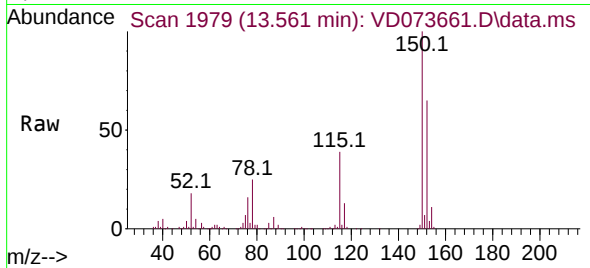




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073661.D
Acq: 22 Jun 2022 18:16

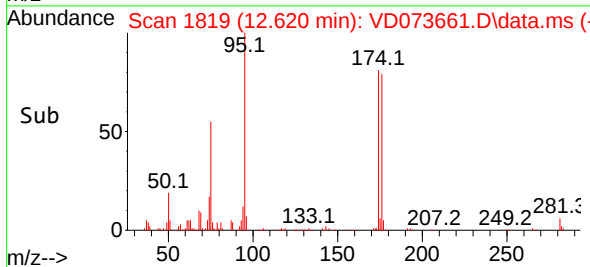
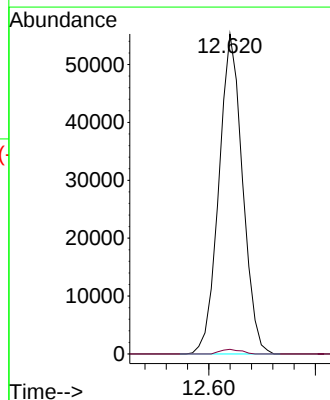
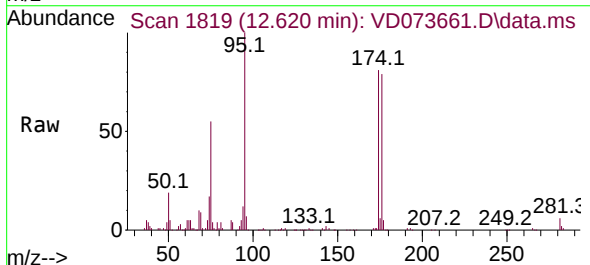
Instrument :
MSVOA_D
ClientSampleId :
SB-3-23-25-20220620

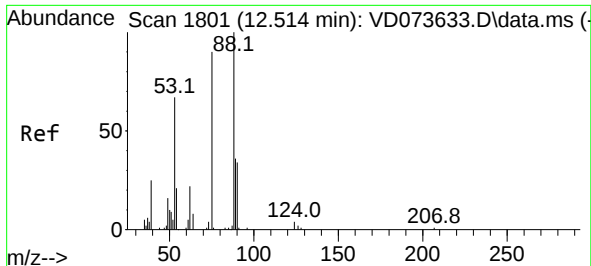
Tgt Ion:152 Resp: 177257
Ion Ratio Lower Upper
152 100
115 59.2 29.6 88.9
150 158.2 0.0 351.2



#76
1,2,3-Trichloropropane
Concen: 49.668 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.147 min
Lab File: VD073661.D
Acq: 22 Jun 2022 18:16

Tgt Ion: 75 Resp: 85209
Ion Ratio Lower Upper
75 100
77 1.3 208.9 626.7#

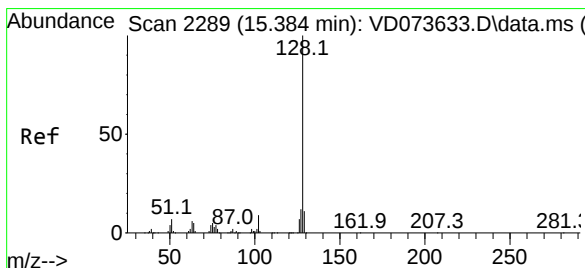
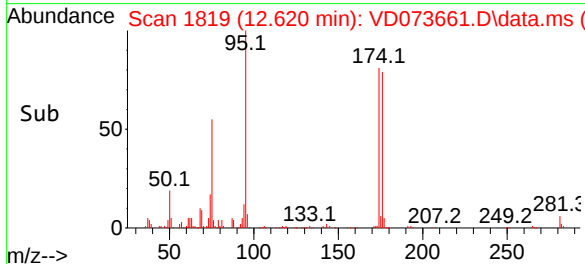
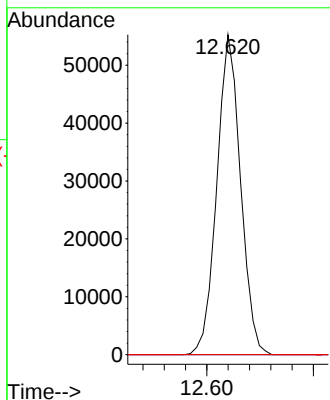
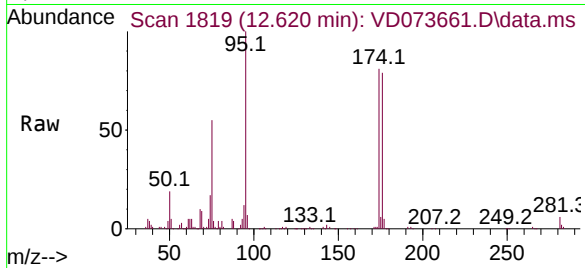




#81
trans-1,4-Dichloro-2-butene
Concen: 114.624 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073661.D
Acq: 22 Jun 2022 18:16

Instrument :
MSVOA_D
ClientSampleId :
SB-3-23-25-20220620

Tgt Ion: 75 Resp: 85209
Ion Ratio Lower Upper
75 100
53 0.0 70.5 105.7#
89 0.0 35.8 53.8#



#95
Naphthalene
Concen: 2.740 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD073661.D
Acq: 22 Jun 2022 18:16

Tgt Ion:128 Resp: 353
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 9.0 13.6#

