

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051822\
 Data File : VD073116.D
 Acq On : 19 May 2022 00:51
 Operator : VA/SY
 Sample : N2832-11
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB13

Quant Time: May 19 04:51:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 04:58:34 2022
 Response via : Initial Calibration

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

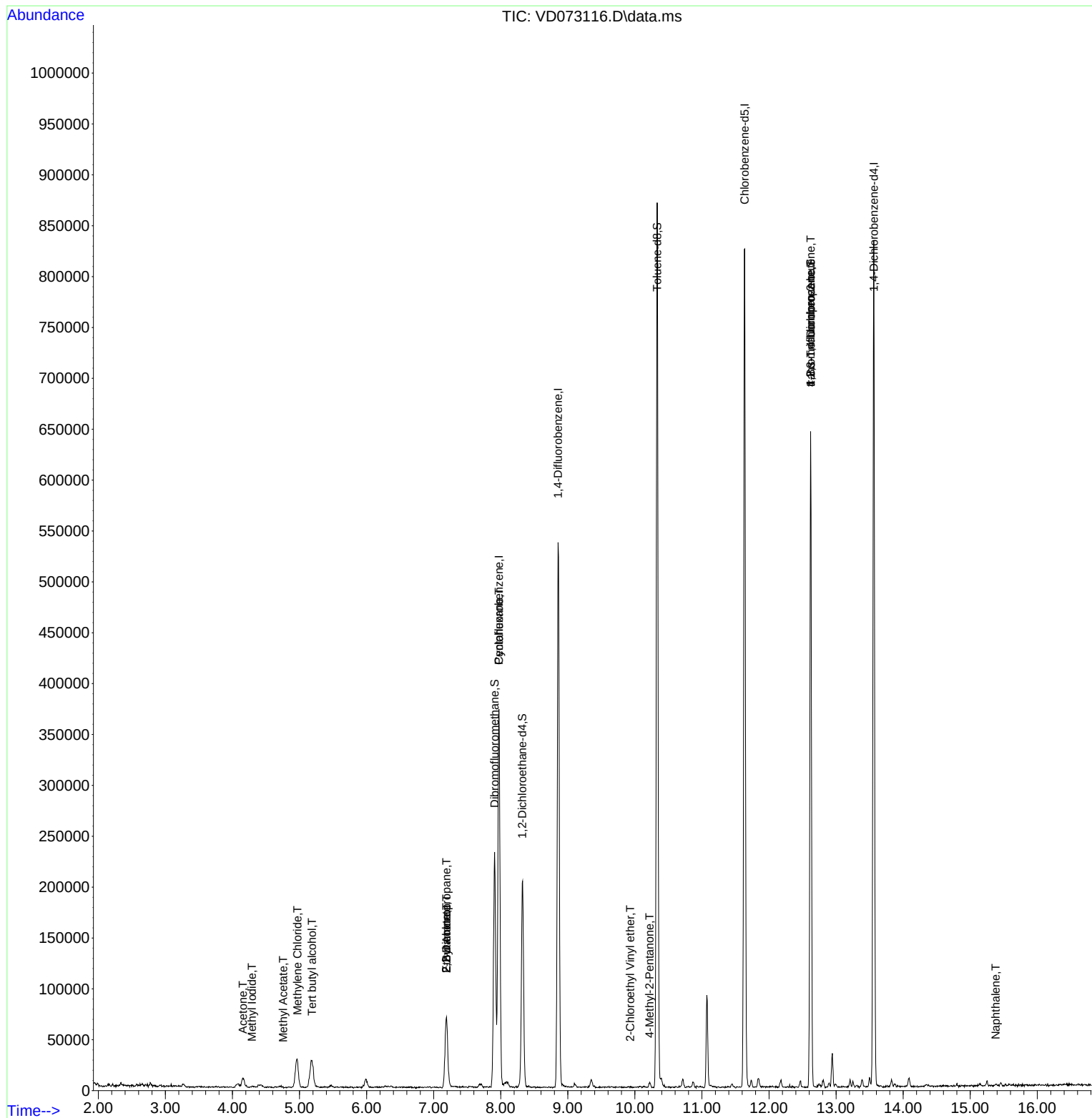
Internal Standards						
1) Pentafluorobenzene	7.973	168	260537	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	460228	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	483825	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	216593	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	158953	48.785	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.580%
35) Dibromofluoromethane	7.908	113	161222	49.894	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.780%
50) Toluene-d8	10.332	98	568816	48.523	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	97.040%
62) 4-Bromofluorobenzene	12.620	95	210302	49.531	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	99.060%
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.291	142	1416	4.612	ug/l #	38
11) Tert butyl alcohol	5.185	59	24964	49.535	ug/l #	74
16) Acetone	4.156	43	17501	29.682	ug/l	97
18) Methyl Acetate	4.756	43	63	1.494	ug/l #	55
20) Methylene Chloride	4.967	84	21527	5.030	ug/l #	84
25) 2-Butanone	7.191	43	5521	6.184	ug/l #	52
26) 2,2-Dichloropropane	7.191	77	6871	1.267	ug/l #	54
31) Cyclohexane	7.973	56	8466	1.443	ug/l #	46
37) Ethyl Acetate	7.191	43	5521	2.497	ug/l #	1
51) 4-Methyl-2-Pentanone	10.220	43	3094	1.442	ug/l	93
58) 2-Chloroethyl Vinyl ether	9.932	63	96	22.905	ug/l #	48
76) 1,2,3-Trichloropropane	12.620	75	108488	44.309	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	108488	106.243	ug/l #	7
95) Naphthalene	15.379	128	1586	4.432	ug/l #	82

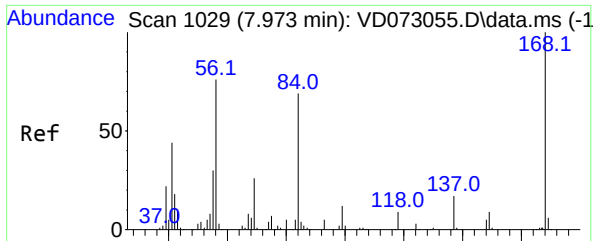
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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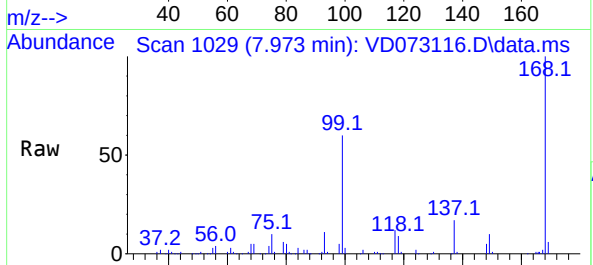
Quant Time: May 19 04:51:10 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051722S.M
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QLast Update : Wed May 18 04:58:34 2022
Response via : Initial Calibration



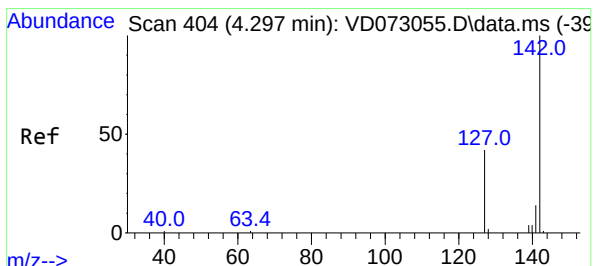
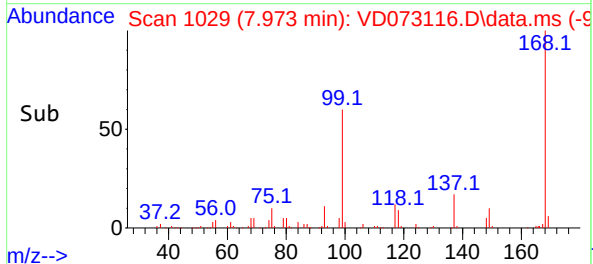
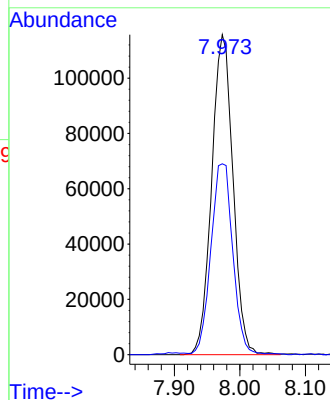


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073116.D
Acq: 19 May 2022 00:51

Instrument :
MSVOA_D
ClientSampleId :
SB13

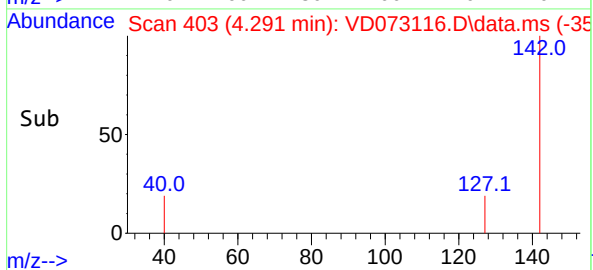
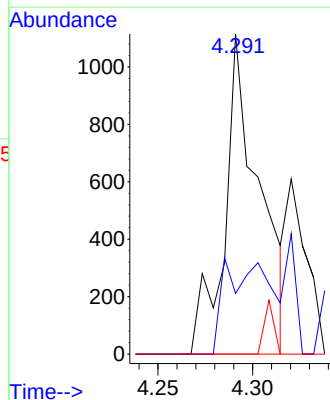
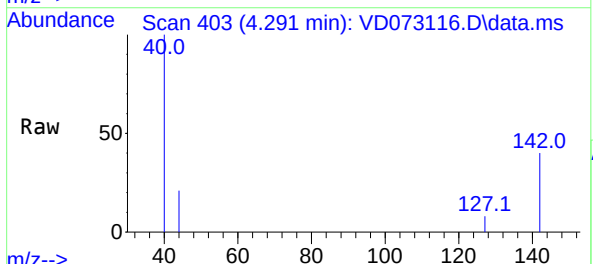


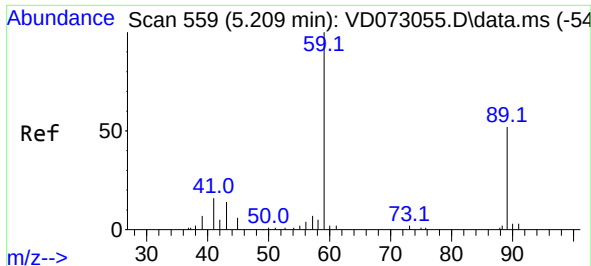
Tgt Ion:168 Resp: 260537
Ion Ratio Lower Upper
168 100
99 59.4 49.8 74.6



#10
Methyl Iodide
Concen: 4.612 ug/l
RT: 4.291 min Scan# 403
Delta R.T. -0.006 min
Lab File: VD073116.D
Acq: 19 May 2022 00:51

Tgt Ion:142 Resp: 1416
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

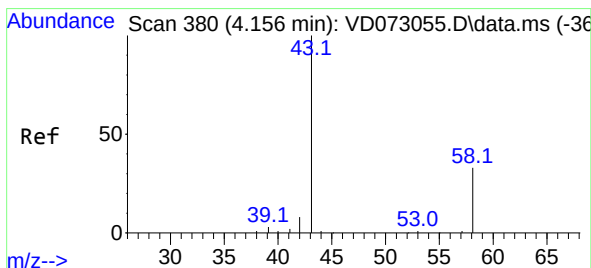
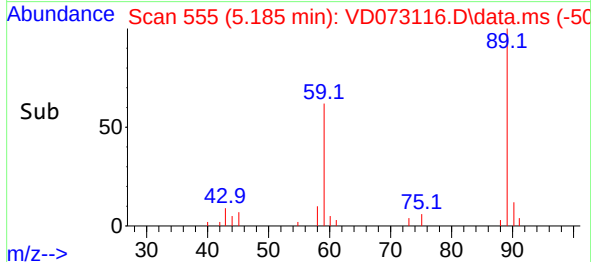
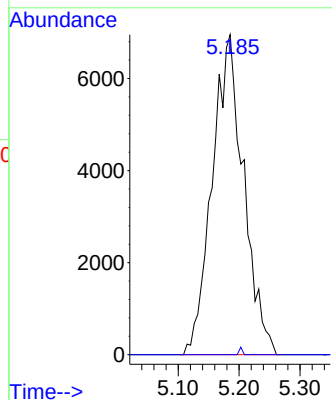
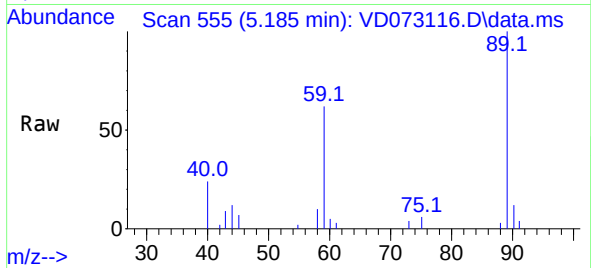




#11
Tert butyl alcohol
Concen: 49.535 ug/l
RT: 5.185 min Scan# 51
Delta R.T. -0.024 min
Lab File: VD073116.D
Acq: 19 May 2022 00:51

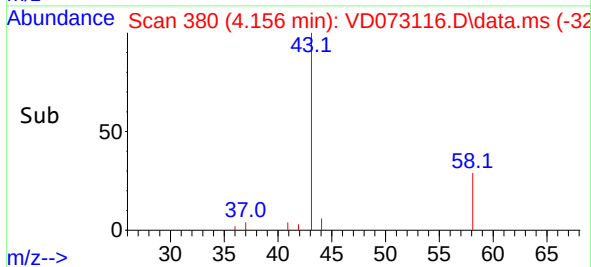
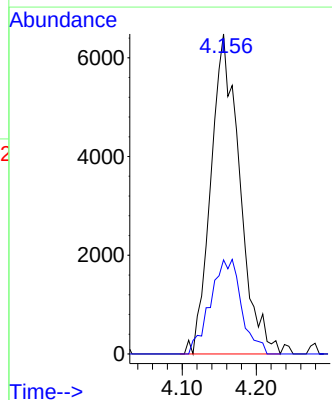
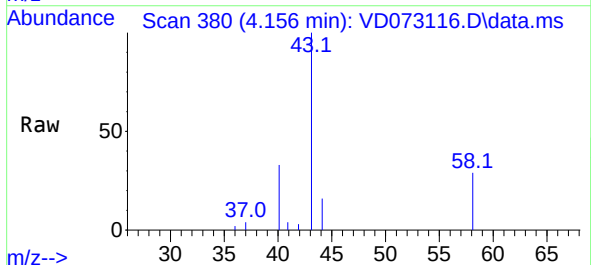
Instrument :
MSVOA_D
ClientSampleId :
SB13

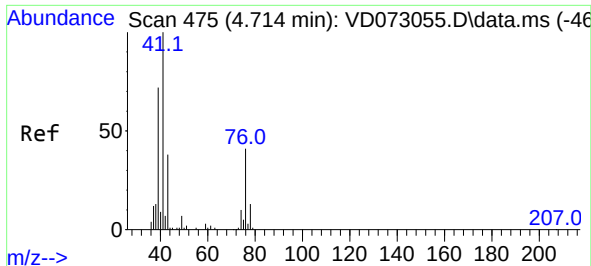
Tgt Ion: 59 Resp: 24964
Ion Ratio Lower Upper
59 100
57 0.2 7.8 11.6#



#16
Acetone
Concen: 29.682 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.000 min
Lab File: VD073116.D
Acq: 19 May 2022 00:51

Tgt Ion: 43 Resp: 17501
Ion Ratio Lower Upper
43 100
58 29.4 22.1 33.1





#18

Methyl Acetate

Concen: 1.494 ug/l

RT: 4.756 min Scan# 41

Delta R.T. 0.042 min

Lab File: VD073116.D

Acq: 19 May 2022 00:51

Instrument :

MSVOA_D

ClientSampleId :

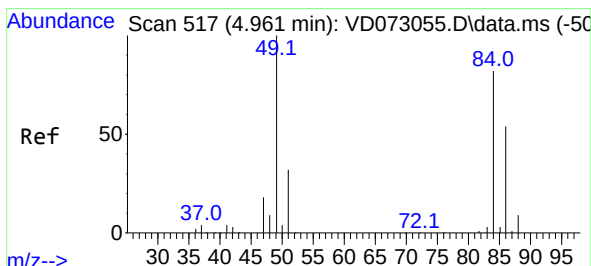
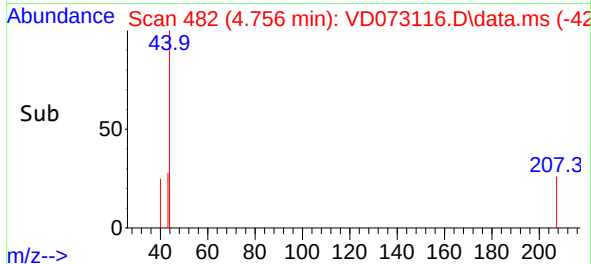
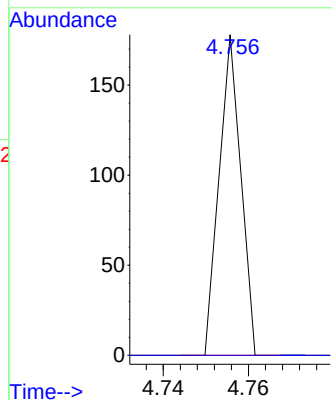
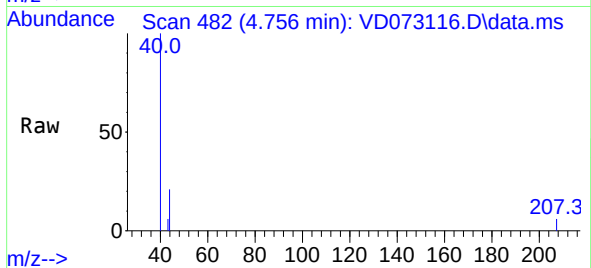
SB13

Tgt Ion: 43 Resp: 63

Ion Ratio Lower Upper

43 100

74 0.0 16.7 25.1#



#20

Methylene Chloride

Concen: 5.030 ug/l

RT: 4.967 min Scan# 518

Delta R.T. 0.006 min

Lab File: VD073116.D

Acq: 19 May 2022 00:51

Tgt Ion: 84 Resp: 21527

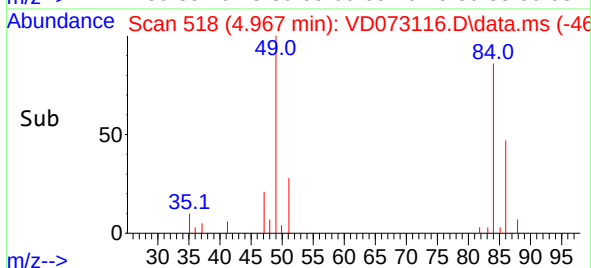
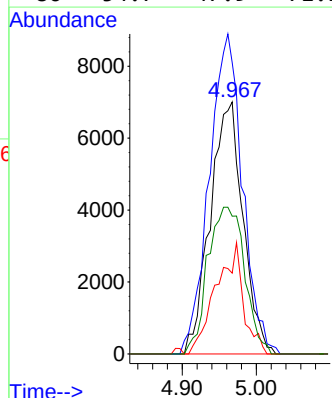
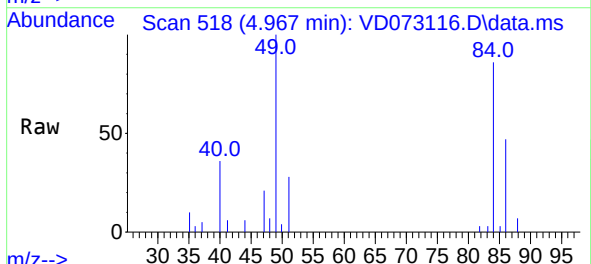
Ion Ratio Lower Upper

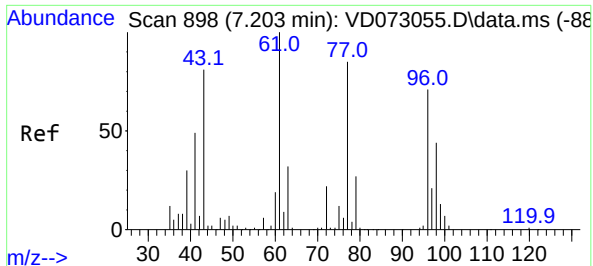
84 100

49 115.6 112.8 169.2

51 32.1 32.6 48.8#

86 54.7 47.9 71.9





#25

2-Butanone

Concen: 6.184 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.012 min

Lab File: VD073116.D

Acq: 19 May 2022 00:51

Instrument :

MSVOA_D

ClientSampleId :

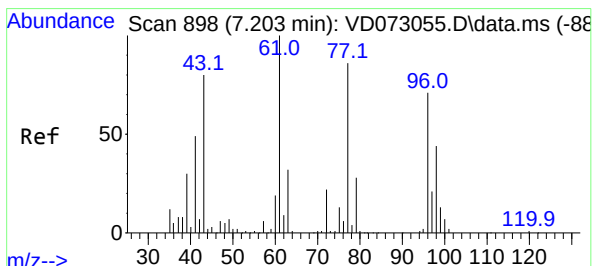
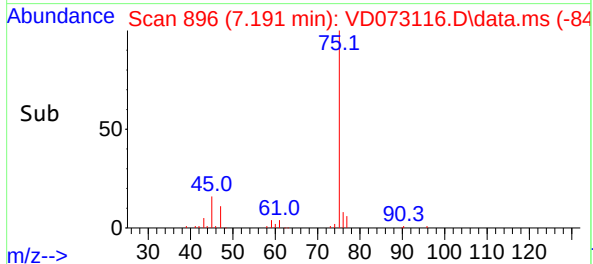
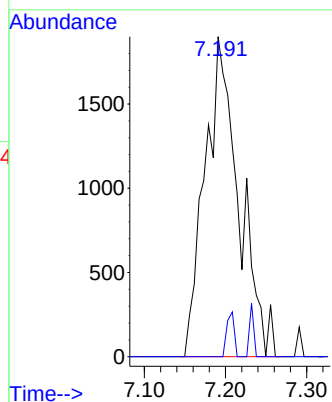
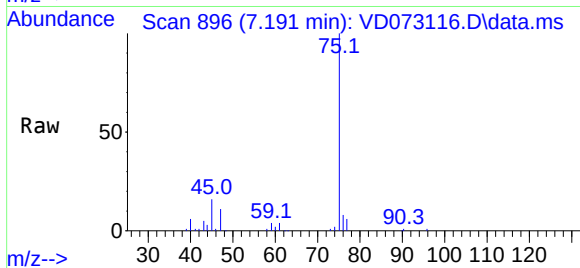
SB13

Tgt Ion: 43 Resp: 5521

Ion Ratio Lower Upper

43 100

72 0.0 18.6 27.8#



#26

2,2-Dichloropropane

Concen: 1.267 ug/l

RT: 7.191 min Scan# 896

Delta R.T. -0.012 min

Lab File: VD073116.D

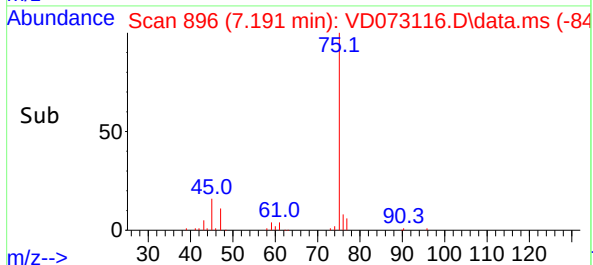
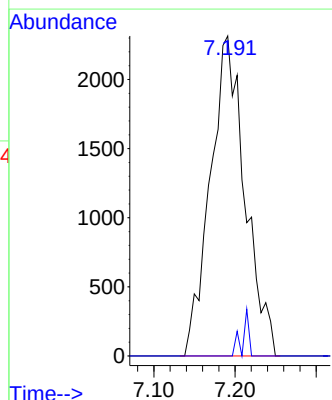
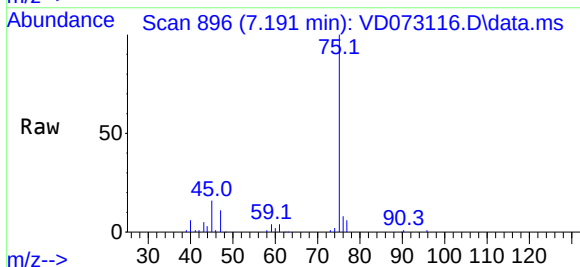
Acq: 19 May 2022 00:51

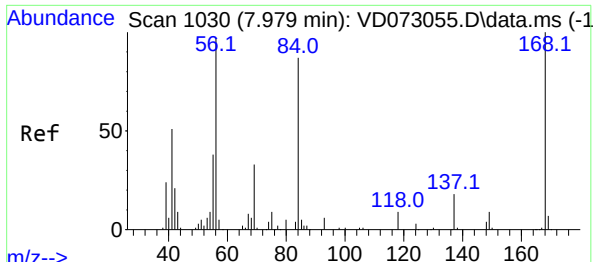
Tgt Ion: 77 Resp: 6871

Ion Ratio Lower Upper

77 100

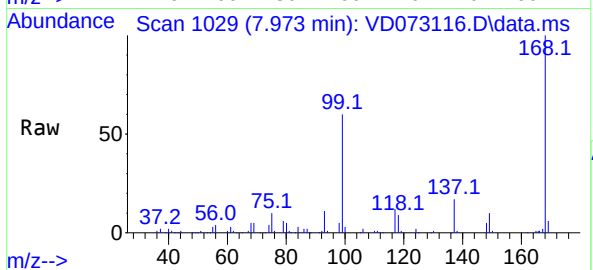
97 0.0 10.8 32.4#



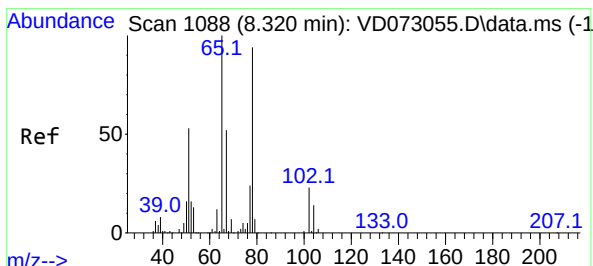
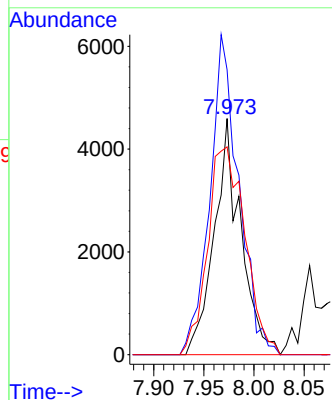
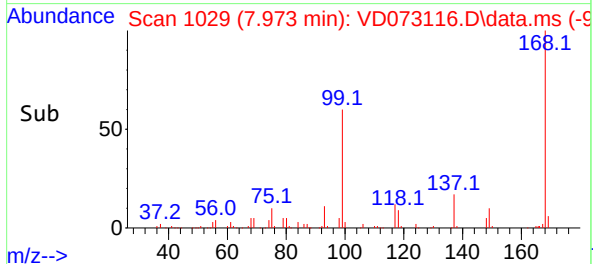


#31
Cyclohexane
Concen: 1.443 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073116.D
Acq: 19 May 2022 00:51

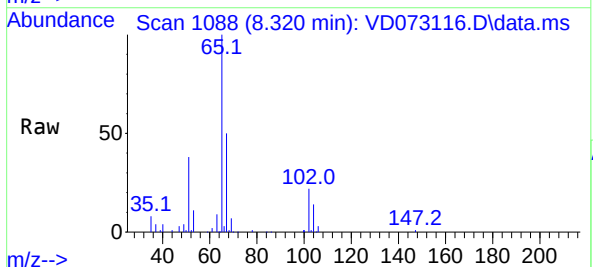
Instrument :
MSVOA_D
ClientSampleId :
SB13



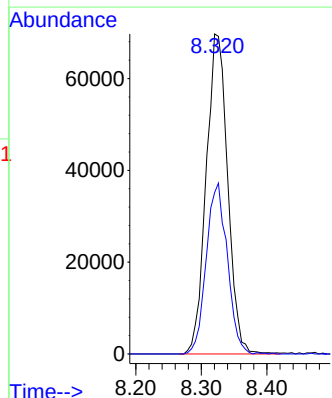
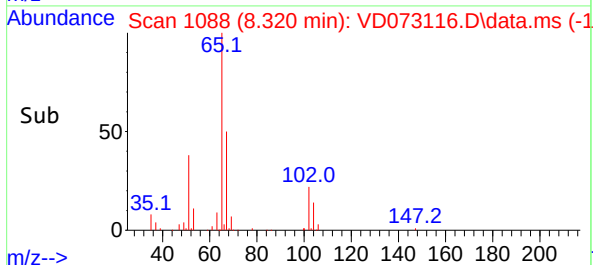
Tgt Ion: 56 Resp: 8466
Ion Ratio Lower Upper
56 100
69 120.6 25.4 38.2#
84 88.0 63.0 94.4

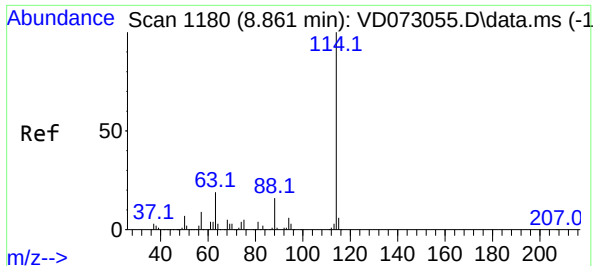


#33
1,2-Dichloroethane-d4
Concen: 48.785 ug/l
RT: 8.320 min Scan# 1088
Delta R.T. 0.000 min
Lab File: VD073116.D
Acq: 19 May 2022 00:51



Tgt Ion: 65 Resp: 158953
Ion Ratio Lower Upper
65 100
67 52.0 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1180

Delta R.T. -0.006 min

Lab File: VD073116.D

Acq: 19 May 2022 00:51

Instrument :

MSVOA_D

ClientSampleId :

SB13

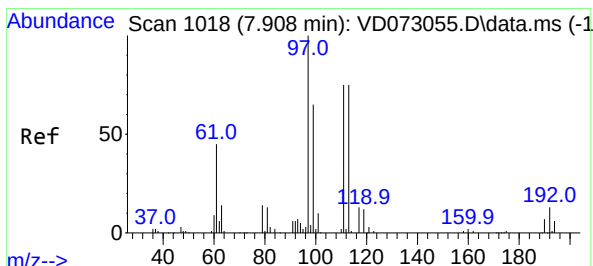
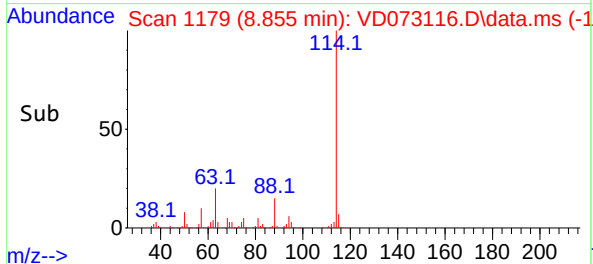
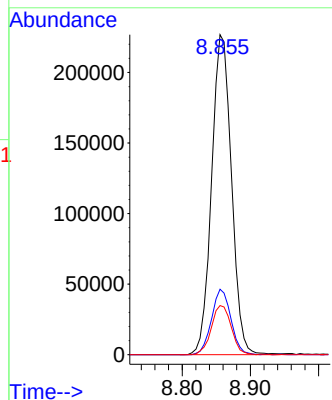
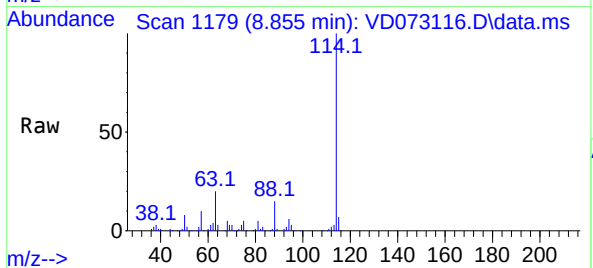
Tgt Ion:114 Resp: 460228

Ion Ratio Lower Upper

114 100

63 20.4 0.0 46.6

88 15.4 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.894 ug/l

RT: 7.908 min Scan# 1018

Delta R.T. 0.000 min

Lab File: VD073116.D

Acq: 19 May 2022 00:51

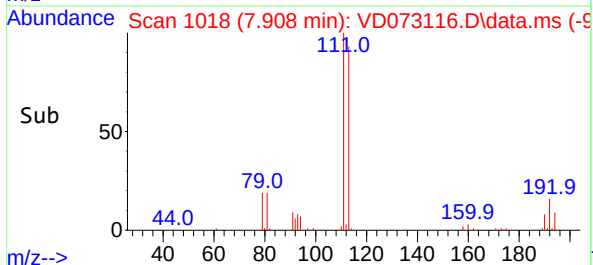
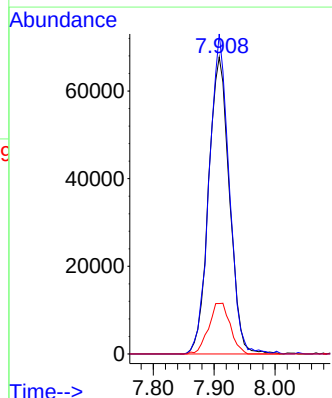
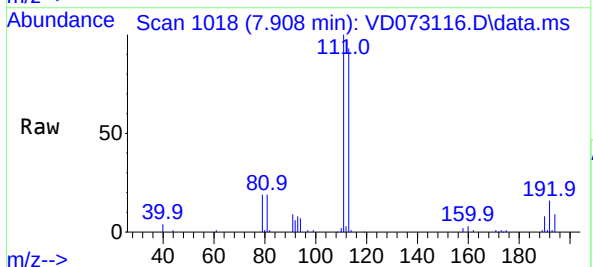
Tgt Ion:113 Resp: 161222

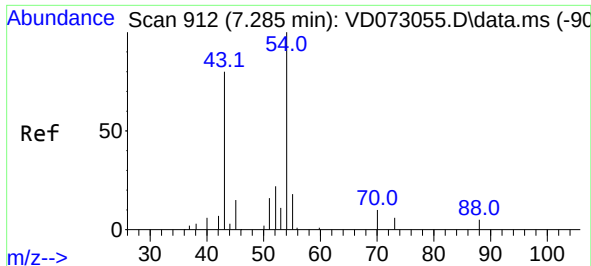
Ion Ratio Lower Upper

113 100

111 103.1 83.8 125.6

192 17.6 14.6 21.8

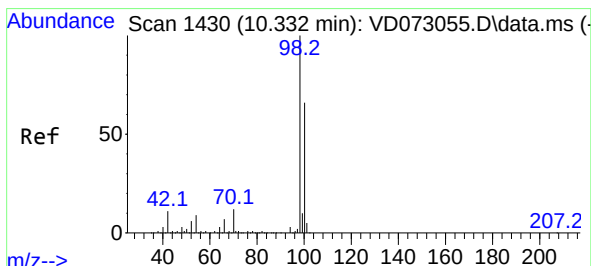
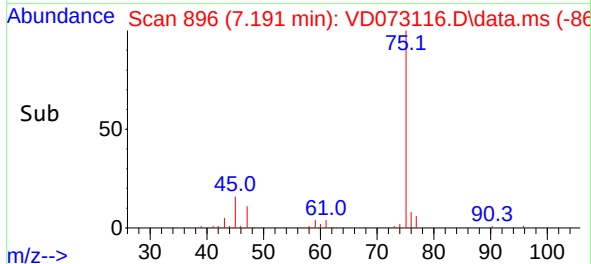
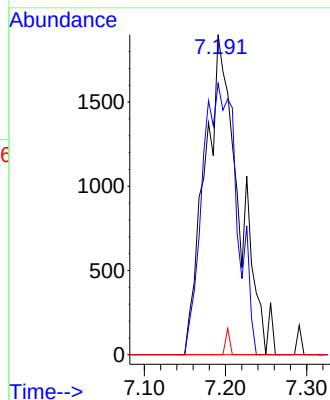
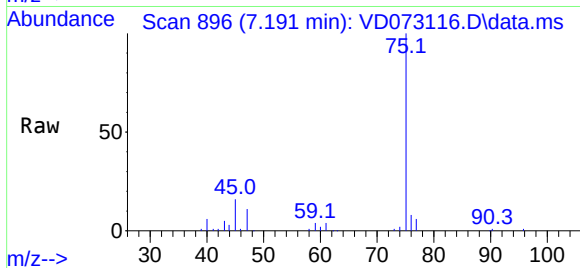




#37
Ethyl Acetate
Concen: 2.497 ug/l
RT: 7.191 min Scan# 896
Delta R.T. -0.094 min
Lab File: VD073116.D
Acq: 19 May 2022 00:51

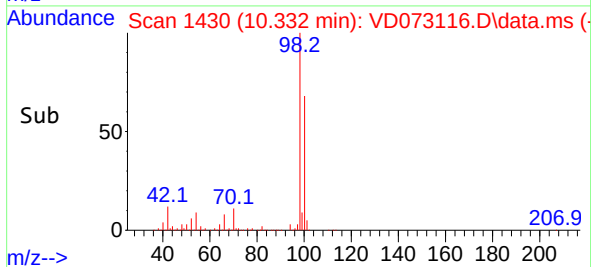
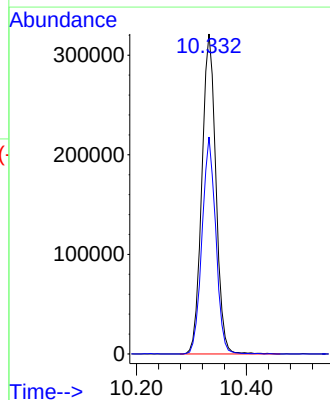
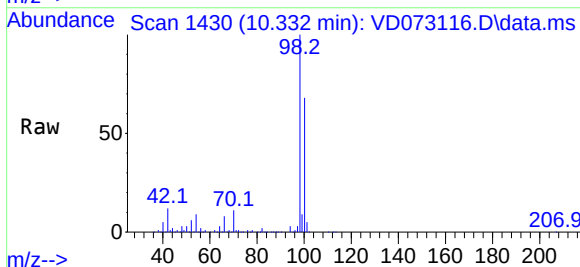
Instrument :
MSVOA_D
ClientSampleId :
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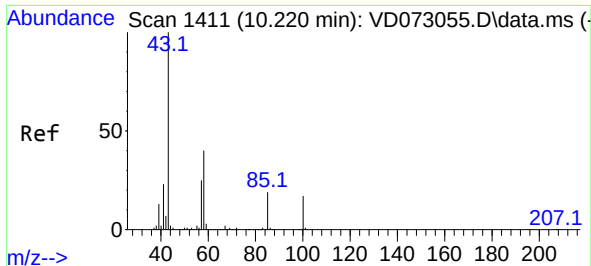
Tgt Ion: 43 Resp: 5521
Ion Ratio Lower Upper
43 100
61 86.5 9.8 14.8#
70 1.0 6.9 10.3#



#50
Toluene-d8
Concen: 48.523 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. 0.000 min
Lab File: VD073116.D
Acq: 19 May 2022 00:51

Tgt Ion: 98 Resp: 568816
Ion Ratio Lower Upper
98 100
100 66.5 52.4 78.6

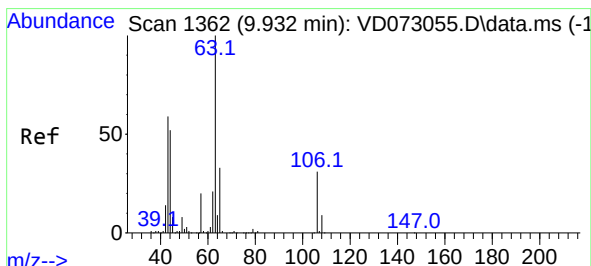
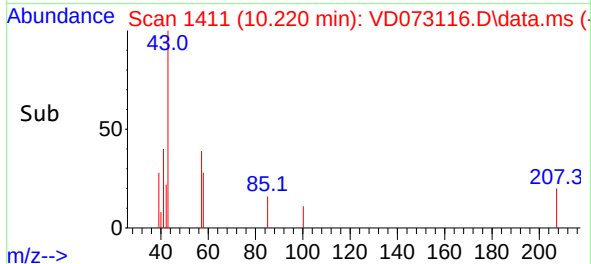
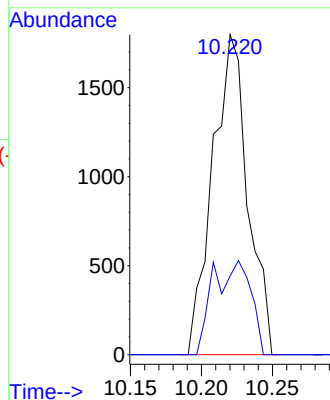
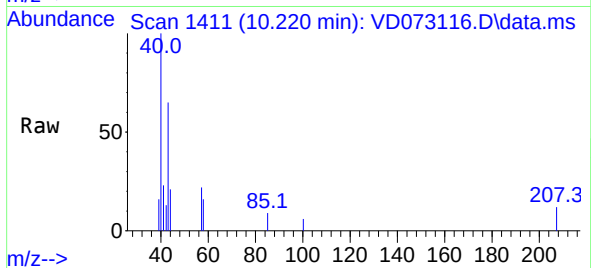




#51
4-Methyl-2-Pentanone
Concen: 1.442 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073116.D
Acq: 19 May 2022 00:51

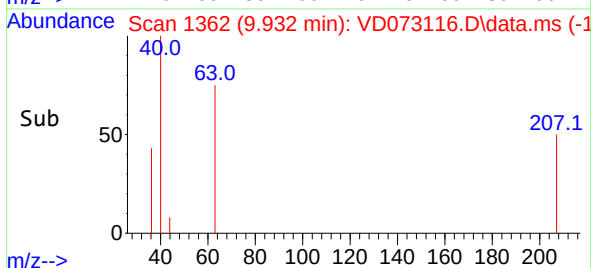
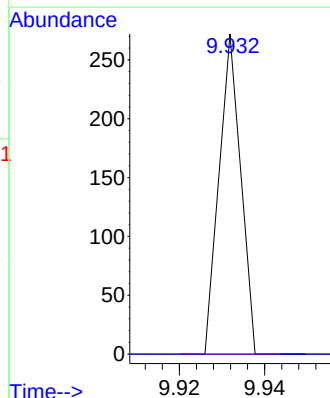
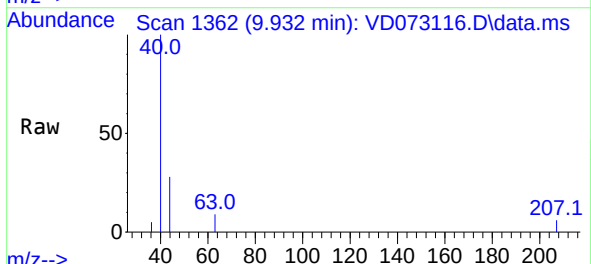
Instrument :
MSVOA_D
ClientSampleId :
SB13

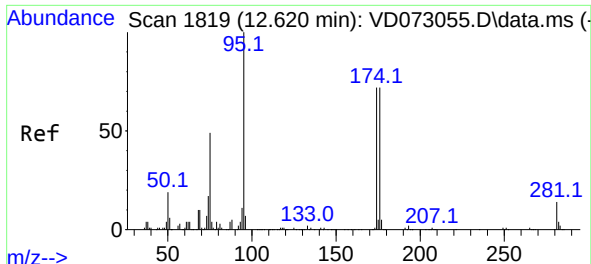
Tgt Ion: 43 Resp: 3094
Ion Ratio Lower Upper
43 100
58 31.4 28.6 43.0



#58
2-Chloroethyl Vinyl ether
Concen: 22.905 ug/l
RT: 9.932 min Scan# 1362
Delta R.T. -0.000 min
Lab File: VD073116.D
Acq: 19 May 2022 00:51

Tgt Ion: 63 Resp: 96
Ion Ratio Lower Upper
63 100
106 0.0 21.4 32.0#

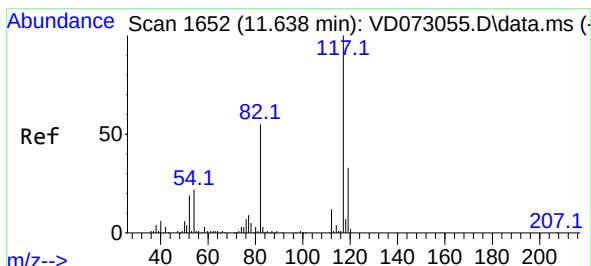
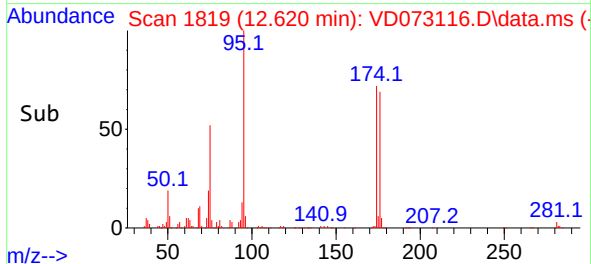
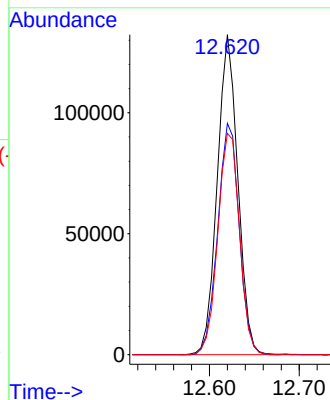
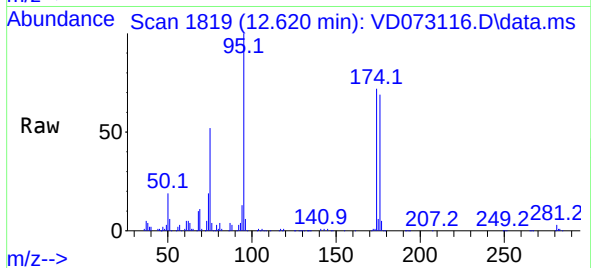




#62
4-Bromofluorobenzene
Concen: 49.531 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073116.D
Acq: 19 May 2022 00:51

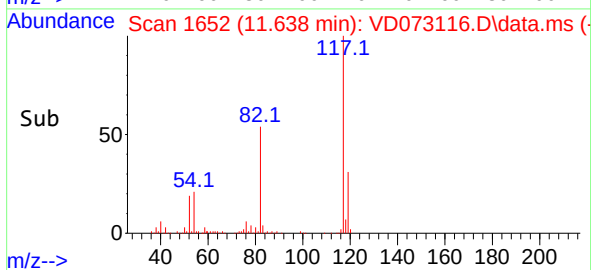
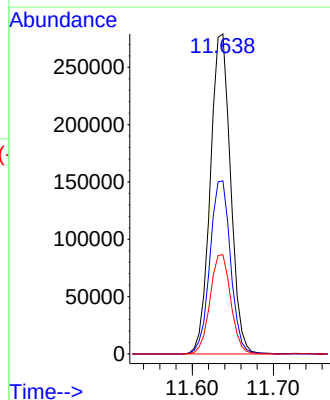
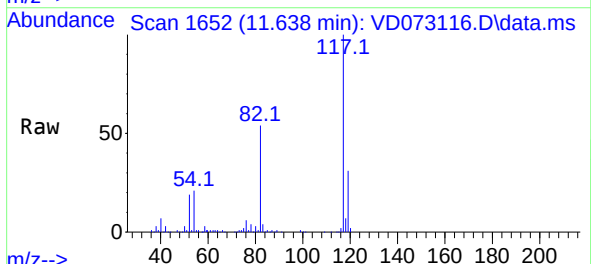
Instrument :
MSVOA_D
ClientSampleId :
SB13

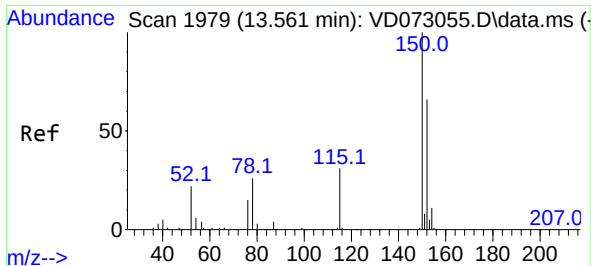
Tgt Ion: 95 Resp: 210302
Ion Ratio Lower Upper
95 100
174 75.4 0.0 152.8
176 72.9 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.000 min
Lab File: VD073116.D
Acq: 19 May 2022 00:51

Tgt Ion: 117 Resp: 483825
Ion Ratio Lower Upper
117 100
82 54.1 45.3 67.9
119 31.0 26.6 40.0

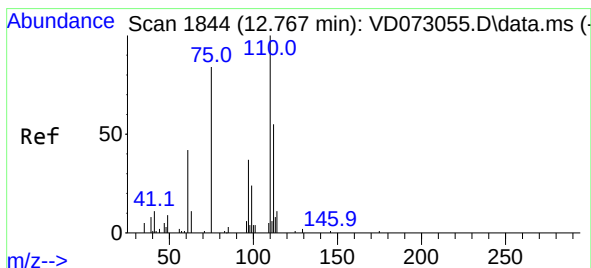
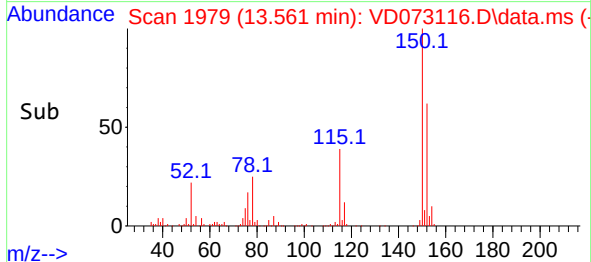
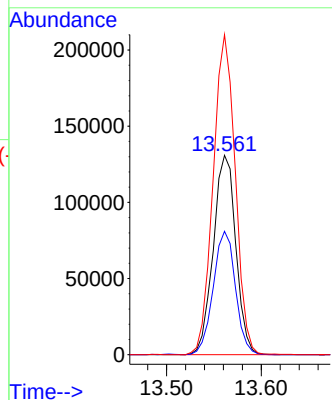
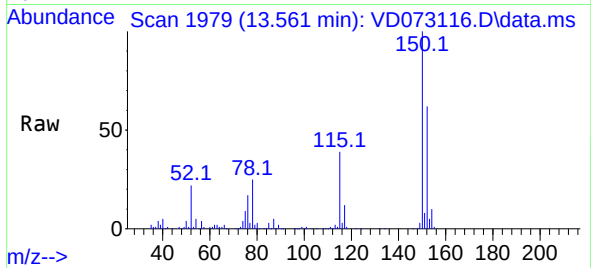




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1979
 Delta R.T. 0.000 min
 Lab File: VD073116.D
 Acq: 19 May 2022 00:51

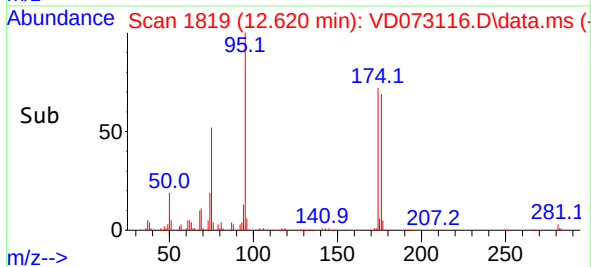
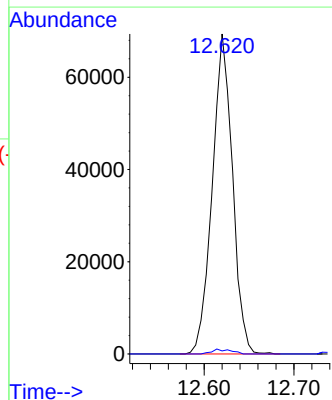
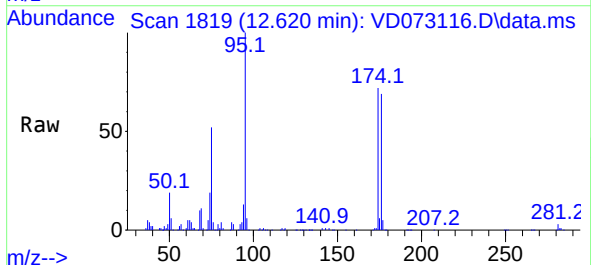
Instrument :
 MSVOA_D
 ClientSampleId :
 SB13

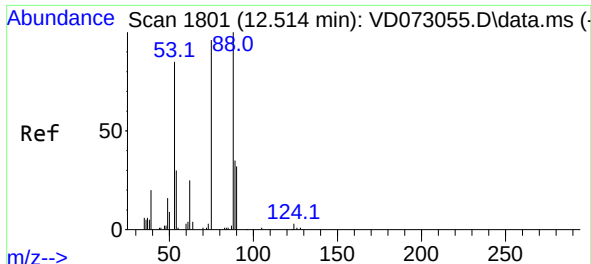
Tgt Ion:152 Resp: 216593
 Ion Ratio Lower Upper
 152 100
 115 61.0 31.3 93.8
 150 157.7 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 44.309 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073116.D
 Acq: 19 May 2022 00:51

Tgt Ion: 75 Resp: 108488
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

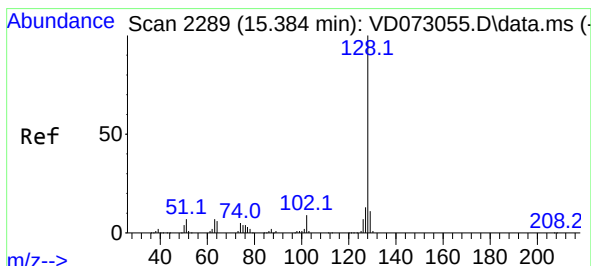
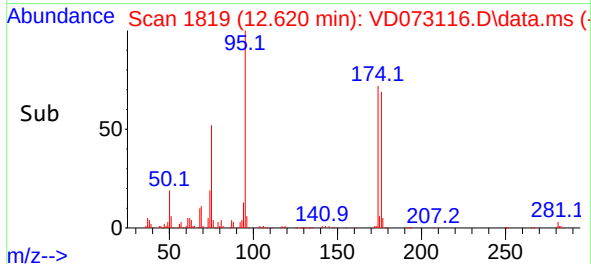
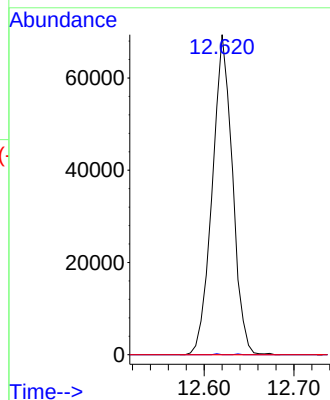
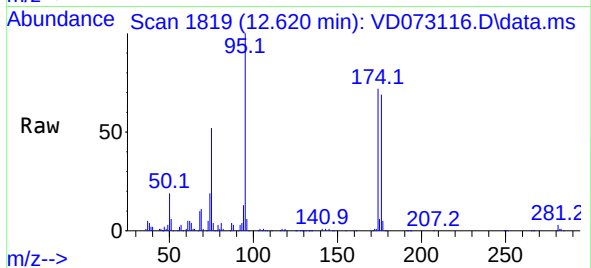




#81
trans-1,4-Dichloro-2-butene
Concen: 106.243 ug/l
RT: 12.620 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD073116.D
Acq: 19 May 2022 00:51

Instrument :
MSVOA_D
ClientSampleId :
SB13

Tgt Ion: 75 Resp: 108488
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.0 33.9 50.9#



#95
Naphthalene
Concen: 4.432 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.005 min
Lab File: VD073116.D
Acq: 19 May 2022 00:51

Tgt Ion: 128 Resp: 1586
Ion Ratio Lower Upper
128 100
127 8.8 10.3 15.5#
129 0.0 8.4 12.6#

