

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD051322\
 Data File : VD073018.D
 Acq On : 14 May 2022 05:47
 Operator : VA/SY
 Sample : N2823-04
 Misc : 5.05G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SC-4

Quant Time: May 16 05:20:54 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D050222S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 03 08:33:49 2022
 Response via : Initial Calibration

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

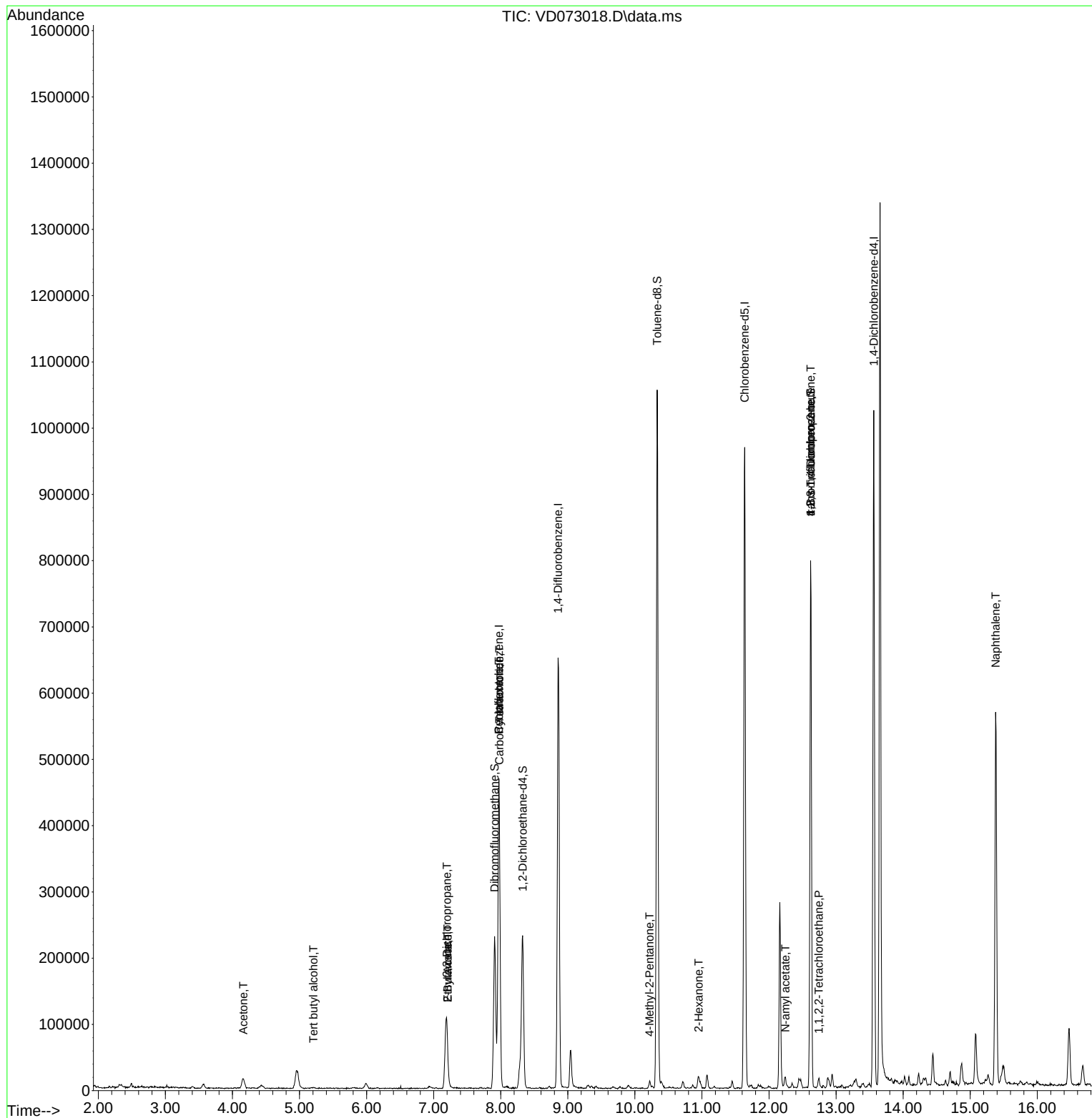
Internal Standards						
1) Pentafluorobenzene	7.973	168	325278	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	567682	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	560405	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	265490	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	181085	42.887	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	85.780%		
35) Dibromofluoromethane	7.908	113	162640	40.794	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	81.580%		
50) Toluene-d8	10.332	98	690326	48.270	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	96.540%		
62) 4-Bromofluorobenzene	12.620	95	262360	49.199	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	98.400%		
Target Compounds						
					Qvalue	
5) Bromomethane	2.773	94	944	Below Cal		81
11) Tert butyl alcohol	5.209	59	1045	2.860 ug/l #		74
16) Acetone	4.162	43	27419	21.978 ug/l #		82
18) Methyl Acetate	4.715	43	82	Below Cal #		55
20) Methylene Chloride	4.962	84	22391	Below Cal		86
25) 2-Butanone	7.209	43	11384	9.253 ug/l #		88
26) 2,2-Dichloropropane	7.197	77	8201	1.159 ug/l #		54
31) Cyclohexane	7.973	56	8503	1.152 ug/l #		1
37) Ethyl Acetate	7.209	43	11384	3.820 ug/l #		29
38) Carbon Tetrachloride	7.979	117	35583	5.288 ug/l #		17
51) 4-Methyl-2-Pentanone	10.220	43	7205	2.521 ug/l		97
59) 2-Hexanone	10.950	43	18723	9.735 ug/l #		27
74) N-amyl acetate	12.244	43	11750	2.284 ug/l #		48
75) 1,1,2,2-Tetrachloroethane	12.744	83	4992	1.197 ug/l #		25
76) 1,2,3-Trichloropropane	12.620	75	135820	45.879 ug/l #		100
81) trans-1,4-Dichloro-2-b...	12.620	75	135820	105.503 ug/l #		7
95) Naphthalene	15.379	128	483822	51.598 ug/l		100

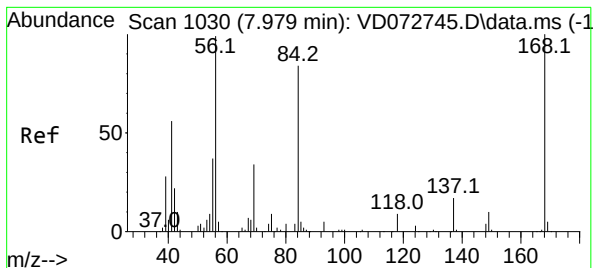
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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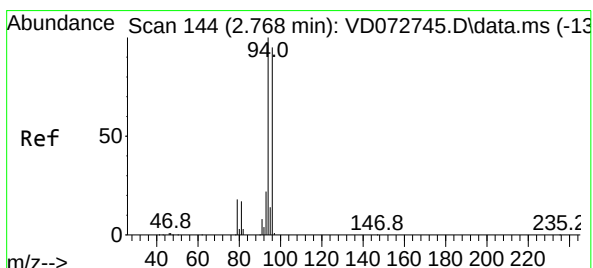
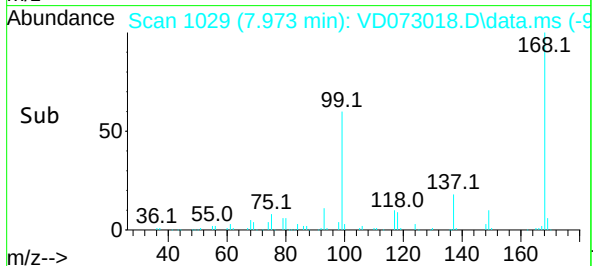
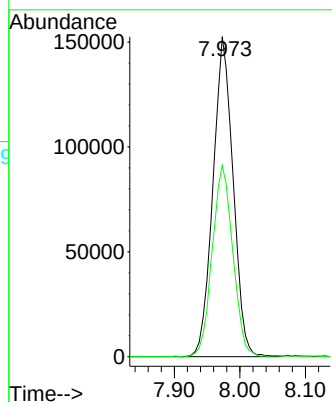
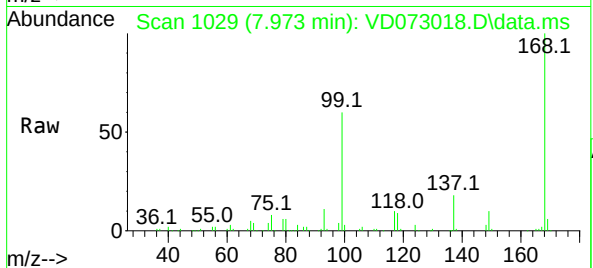




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1030
Delta R.T. -0.006 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

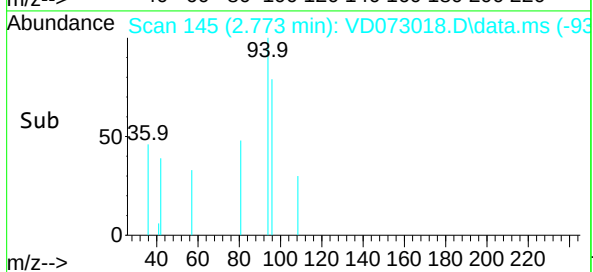
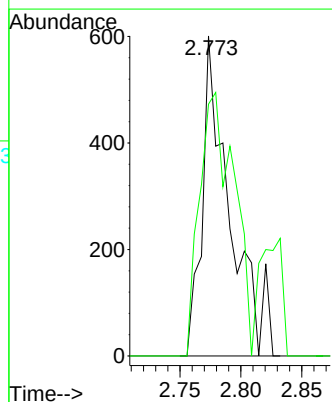
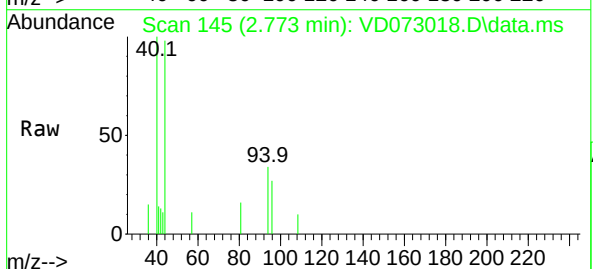
Instrument :
MSVOA_D
ClientSampleId :
SC-4

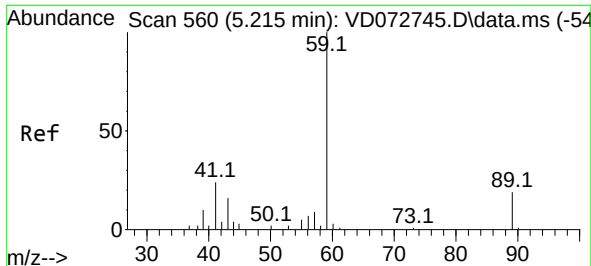
Tgt Ion:168 Resp: 325278
Ion Ratio Lower Upper
168 100
99 59.7 49.8 74.6



#5
Bromomethane
Concen: Below Cal
RT: 2.773 min Scan# 145
Delta R.T. 0.005 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

Tgt Ion: 94 Resp: 944
Ion Ratio Lower Upper
94 100
96 78.7 77.6 116.4

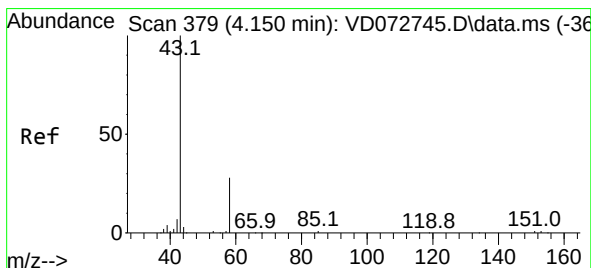
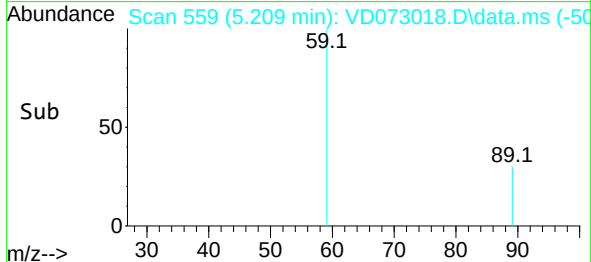
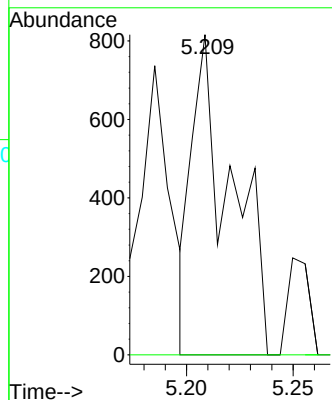
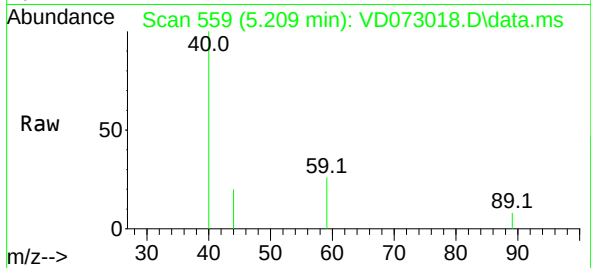




#11
Tert butyl alcohol
Concen: 2.860 ug/l
RT: 5.209 min Scan# 51
Delta R.T. -0.006 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

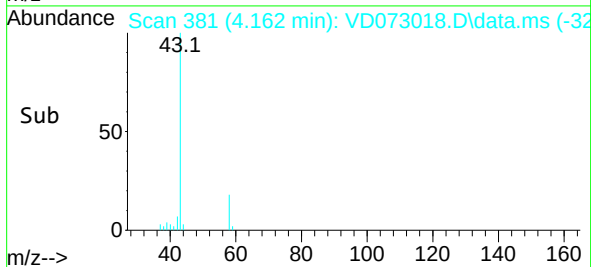
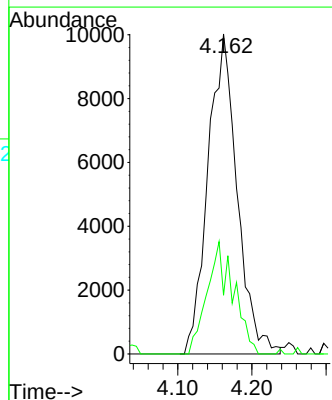
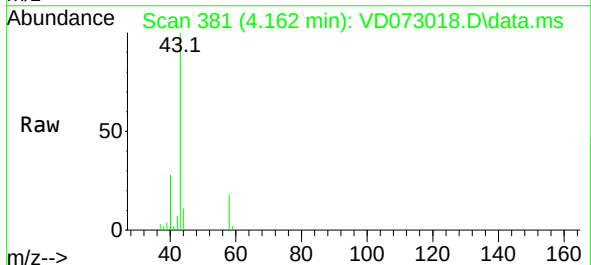
Instrument :
MSVOA_D
ClientSampleId :
SC-4

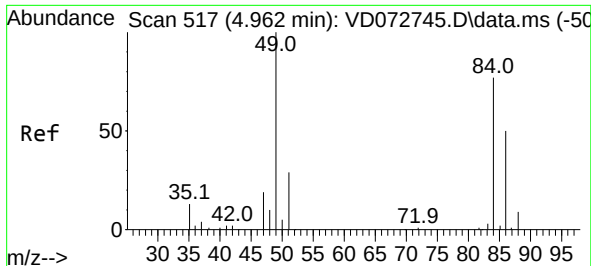
Tgt Ion: 59 Resp: 1045
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 21.978 ug/l
RT: 4.162 min Scan# 381
Delta R.T. 0.012 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

Tgt Ion: 43 Resp: 27419
Ion Ratio Lower Upper
43 100
58 18.3 22.1 33.1#



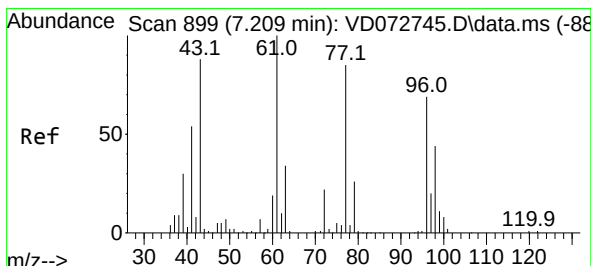
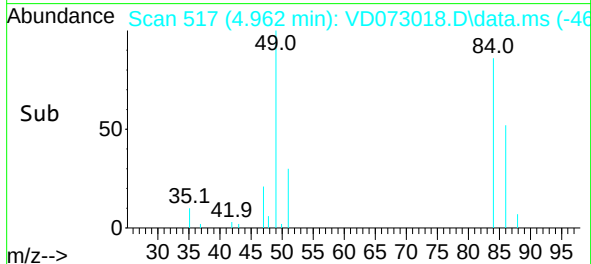
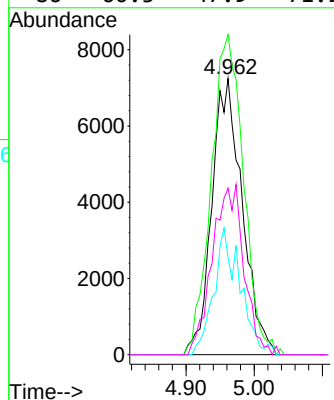
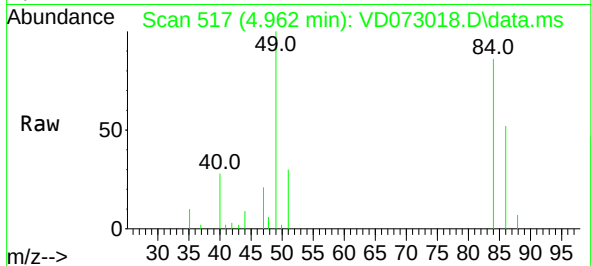


#20
Methylene Chloride
Concen: Below Cal
RT: 4.962 min Scan# 517
Delta R.T. -0.000 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

Instrument :
MSVOA_D
ClientSampleId :
SC-4

Tgt Ion: 84 Resp: 22391

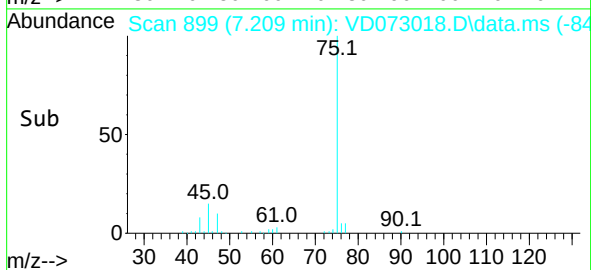
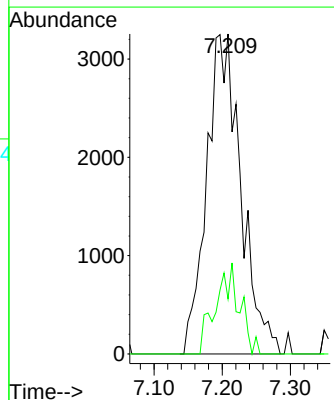
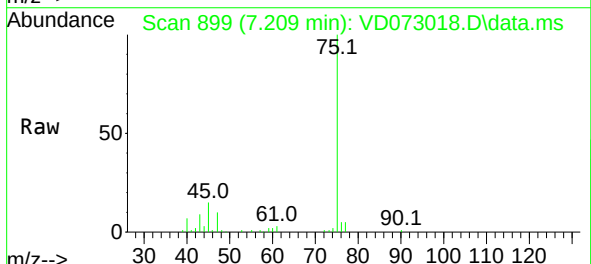
Ion	Ratio	Lower	Upper
84	100		
49	115.9	112.8	169.2
51	35.2	32.6	48.8
86	60.3	47.9	71.9

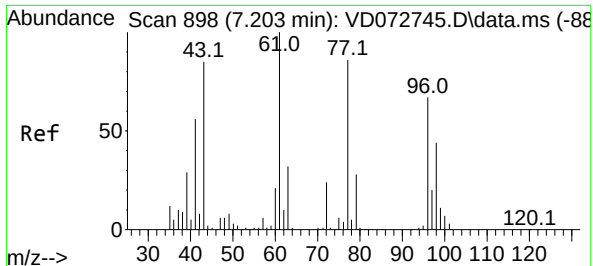


#25
2-Butanone
Concen: 9.253 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

Tgt Ion: 43 Resp: 11384

Ion	Ratio	Lower	Upper
43	100		
72	17.2	18.6	27.8#





#26

2,2-Dichloropropane

Concen: 1.159 ug/l

RT: 7.197 min Scan# 89

Delta R.T. -0.006 min

Lab File: VD073018.D

Acq: 14 May 2022 05:47

Instrument :

MSVOA_D

ClientSampleId :

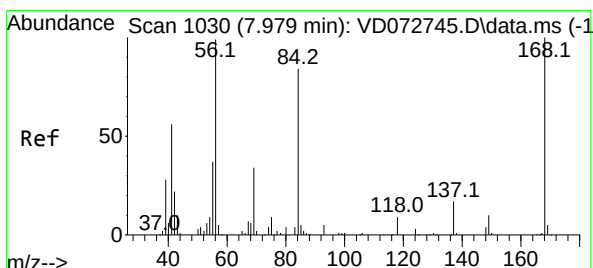
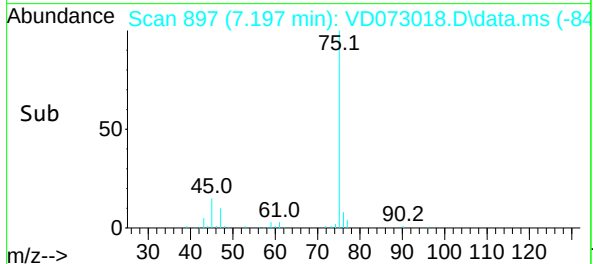
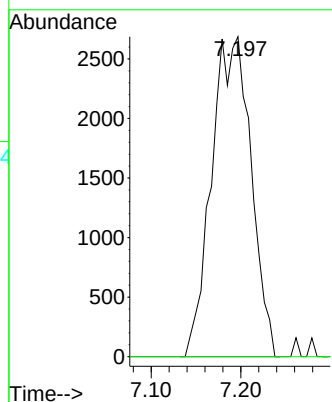
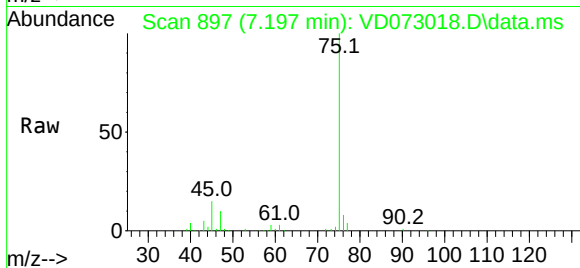
SC-4

Tgt Ion: 77 Resp: 8201

Ion Ratio Lower Upper

77 100

97 0.0 10.8 32.4#



#31

Cyclohexane

Concen: 1.152 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VD073018.D

Acq: 14 May 2022 05:47

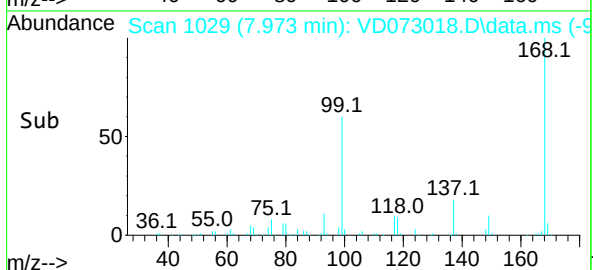
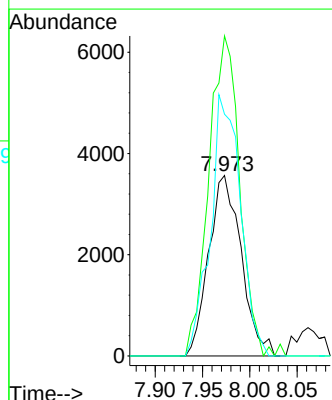
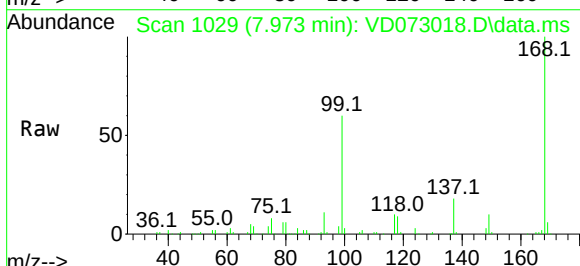
Tgt Ion: 56 Resp: 8503

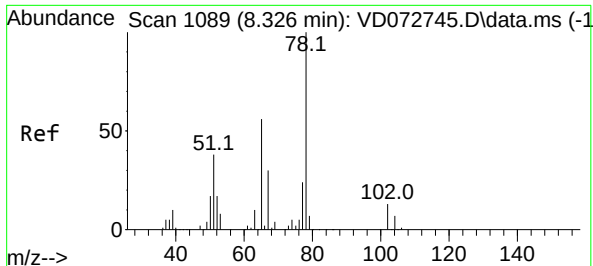
Ion Ratio Lower Upper

56 100

69 177.4 25.4 38.2#

84 134.0 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 42.887 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. 0.000 min

Lab File: VD073018.D

Acq: 14 May 2022 05:47

Instrument :

MSVOA_D

ClientSampleId :

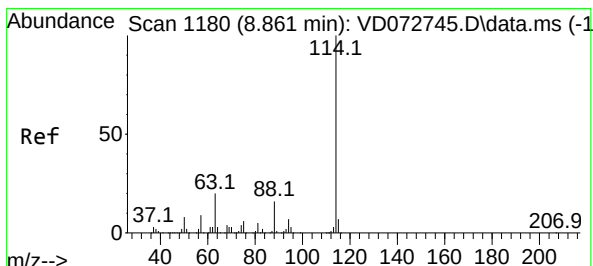
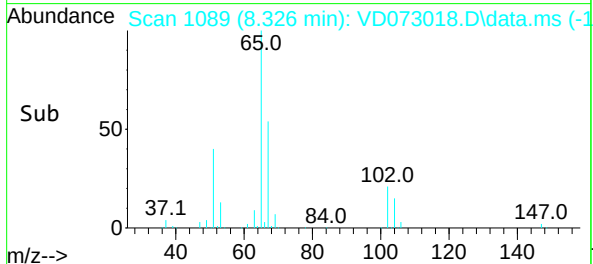
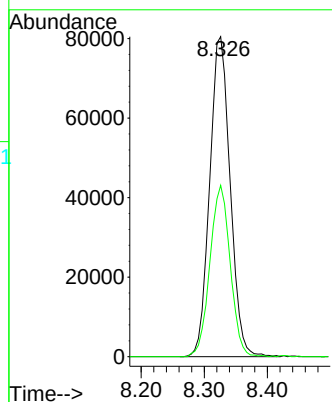
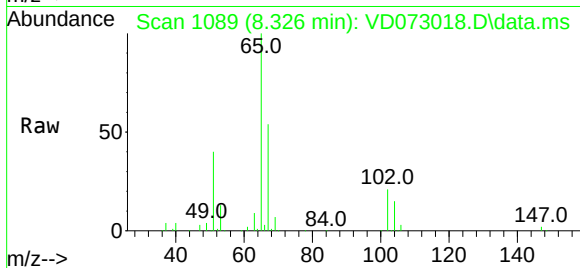
SC-4

Tgt Ion: 65 Resp: 181085

Ion Ratio Lower Upper

65 100

67 53.0 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.855 min Scan# 1179

Delta R.T. -0.006 min

Lab File: VD073018.D

Acq: 14 May 2022 05:47

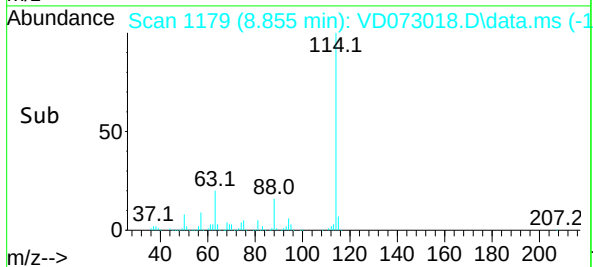
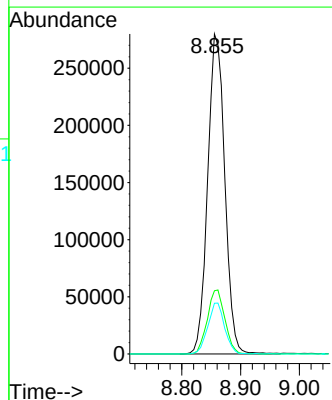
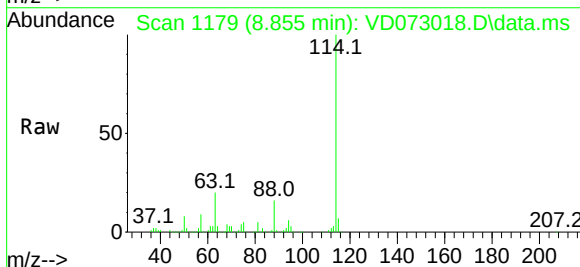
Tgt Ion: 114 Resp: 567682

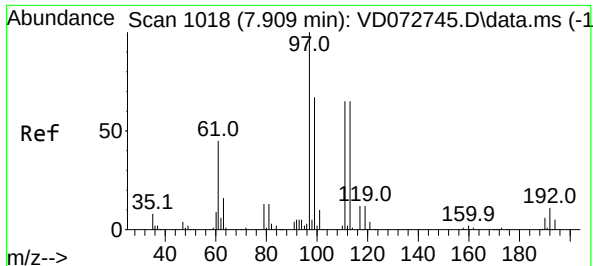
Ion Ratio Lower Upper

114 100

63 19.8 0.0 46.6

88 15.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 40.794 ug/l

RT: 7.908 min Scan# 1

Delta R.T. -0.001 min

Lab File: VD073018.D

Acq: 14 May 2022 05:47

Instrument :

MSVOA_D

ClientSampleId :

SC-4

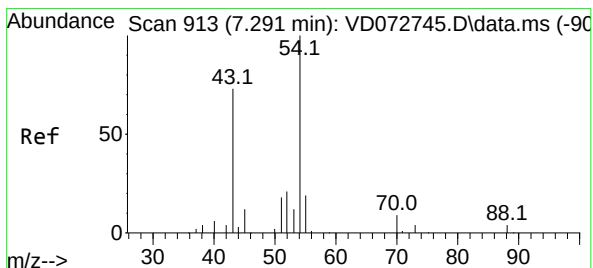
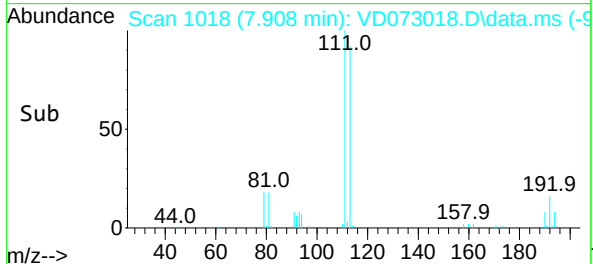
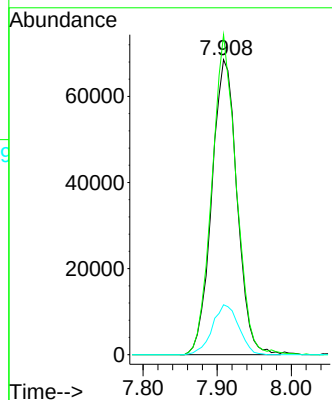
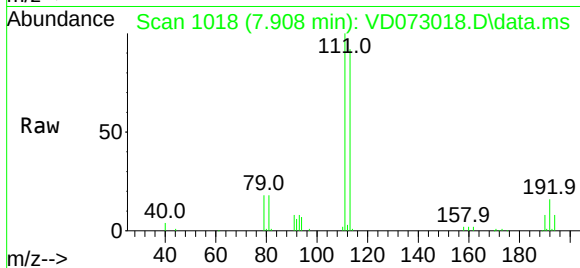
Tgt Ion:113 Resp: 162640

Ion Ratio Lower Upper

113 100

111 104.2 83.8 125.6

192 17.7 14.6 21.8



#37

Ethyl Acetate

Concen: 3.820 ug/l

RT: 7.209 min Scan# 899

Delta R.T. -0.082 min

Lab File: VD073018.D

Acq: 14 May 2022 05:47

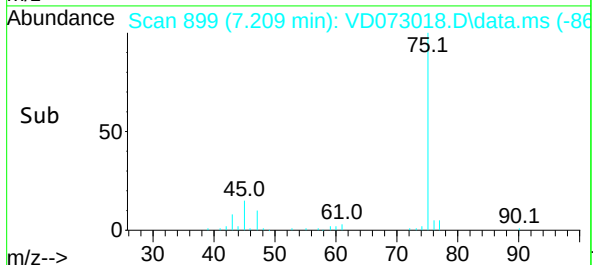
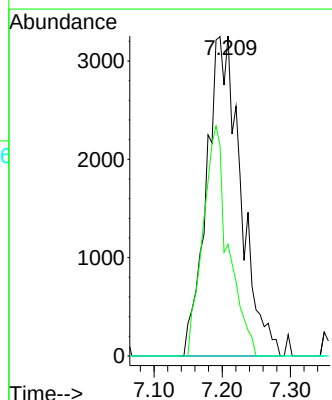
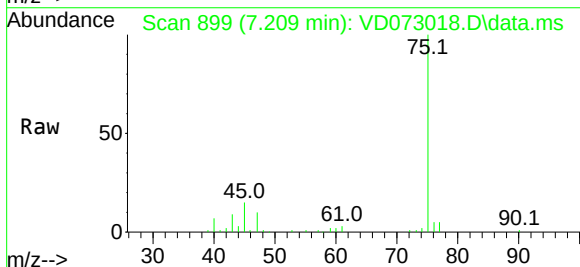
Tgt Ion: 43 Resp: 11384

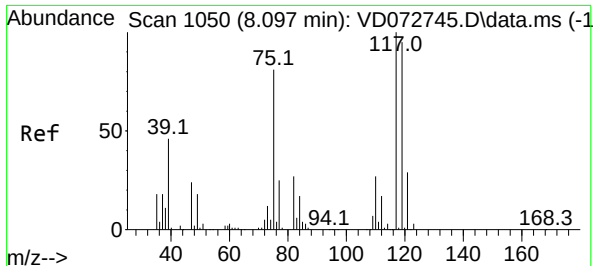
Ion Ratio Lower Upper

43 100

61 53.1 9.8 14.8#

70 0.0 6.9 10.3#

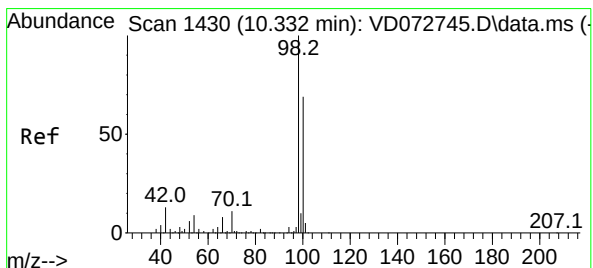
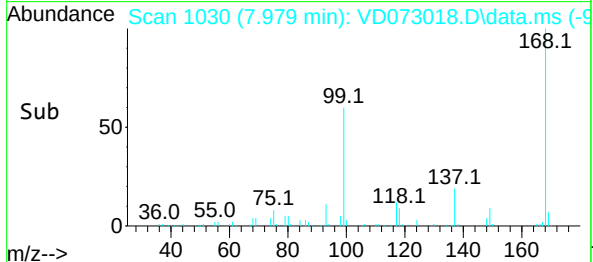
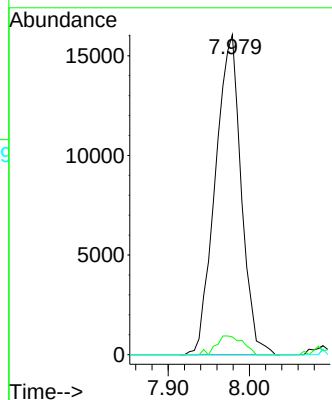
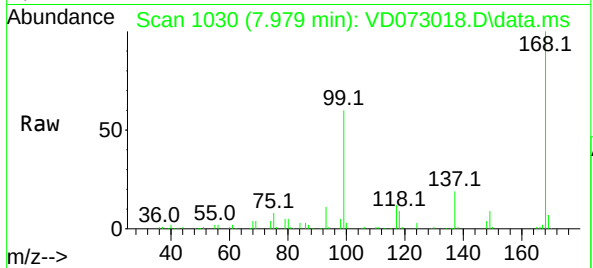




#38
Carbon Tetrachloride
Concen: 5.288 ug/l
RT: 7.979 min Scan# 1050
Delta R.T. -0.118 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

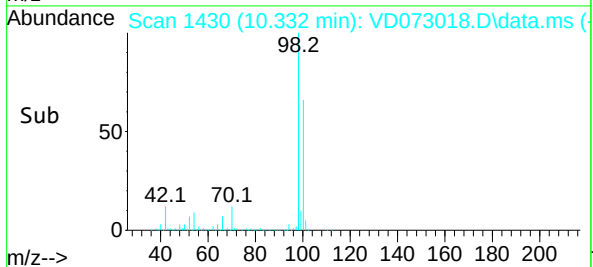
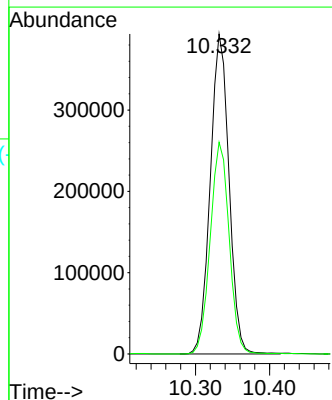
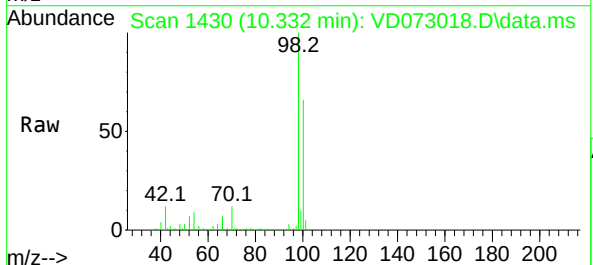
Instrument :
MSVOA_D
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SC-4

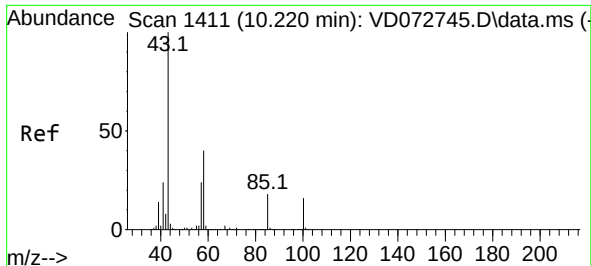
Tgt Ion:117 Resp: 35583
Ion Ratio Lower Upper
117 100
119 5.6 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.270 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

Tgt Ion: 98 Resp: 690326
Ion Ratio Lower Upper
98 100
100 66.9 52.4 78.6

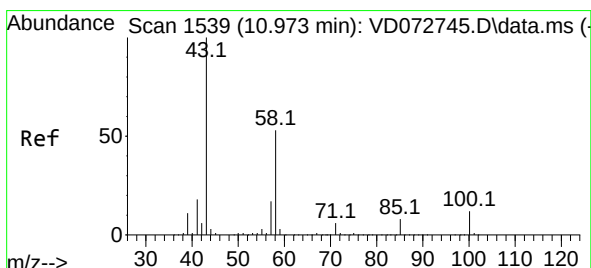
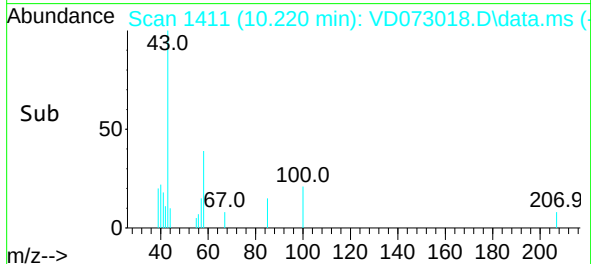
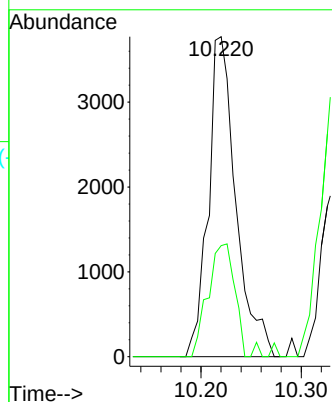
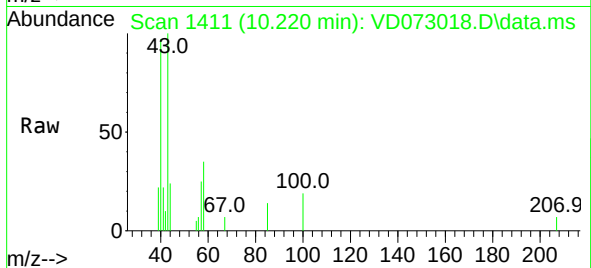




#51
4-Methyl-2-Pentanone
Concen: 2.521 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

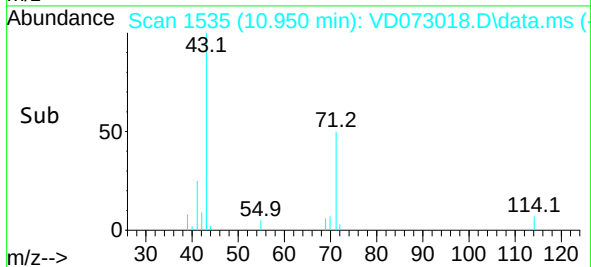
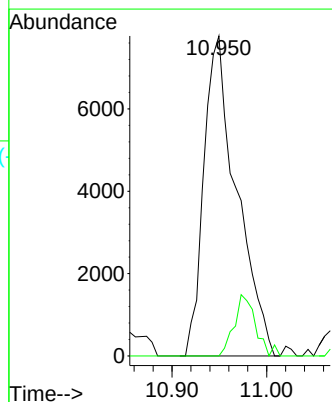
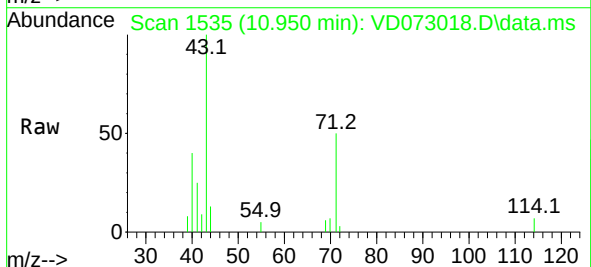
Instrument :
MSVOA_D
ClientSampleId :
SC-4

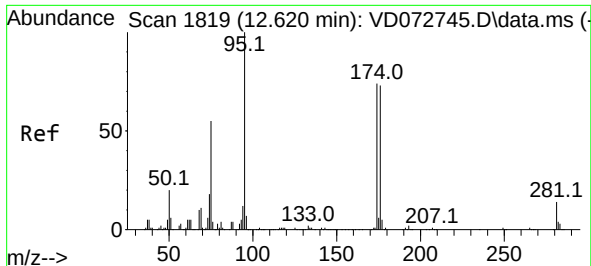
Tgt Ion: 43 Resp: 7205
Ion Ratio Lower Upper
43 100
58 34.0 28.6 43.0



#59
2-Hexanone
Concen: 9.735 ug/l
RT: 10.950 min Scan# 1535
Delta R.T. -0.024 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

Tgt Ion: 43 Resp: 18723
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#

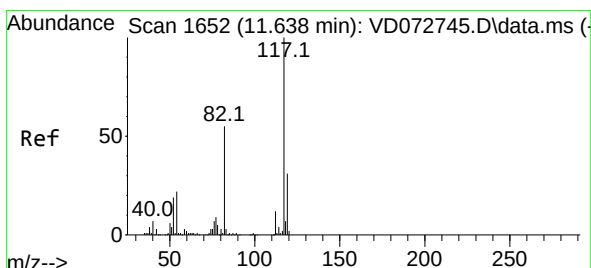
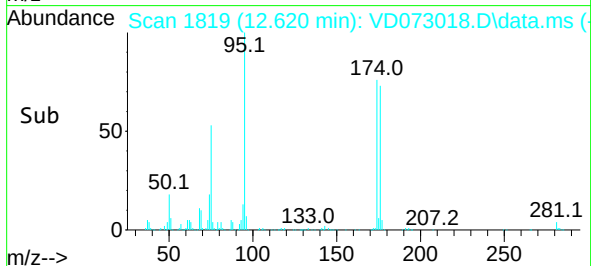
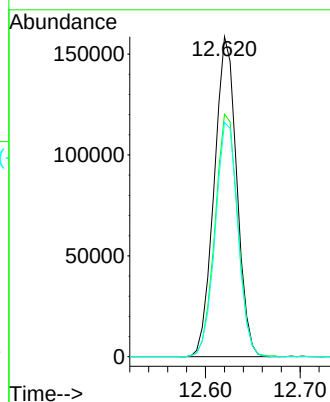
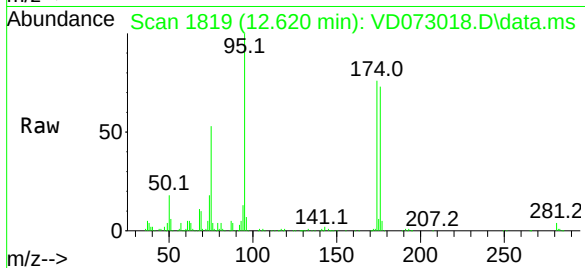




#62
4-Bromofluorobenzene
Concen: 49.199 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

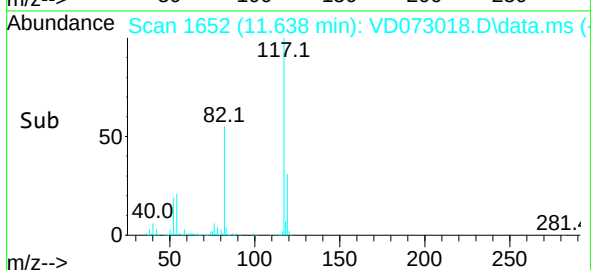
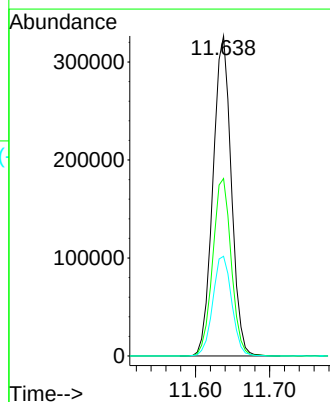
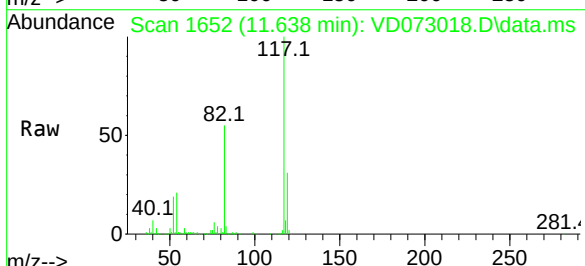
Instrument :
MSVOA_D
ClientSampleId :
SC-4

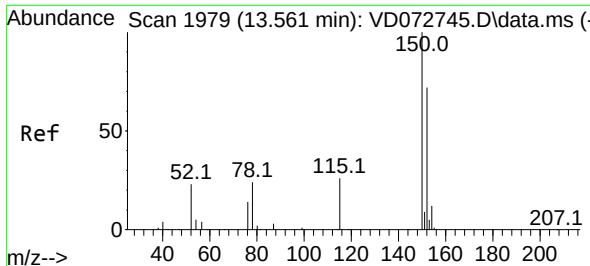
Tgt Ion: 95 Resp: 262360
Ion Ratio Lower Upper
95 100
174 76.4 0.0 152.8
176 73.8 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. -0.000 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

Tgt Ion: 117 Resp: 560405
Ion Ratio Lower Upper
117 100
82 55.5 45.3 67.9
119 31.1 26.6 40.0

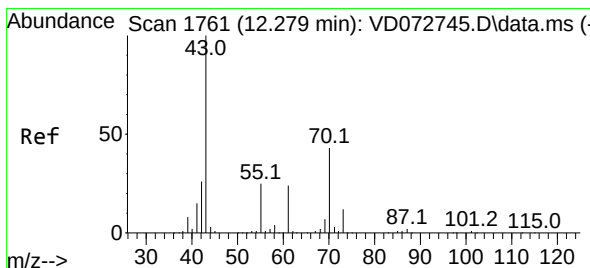
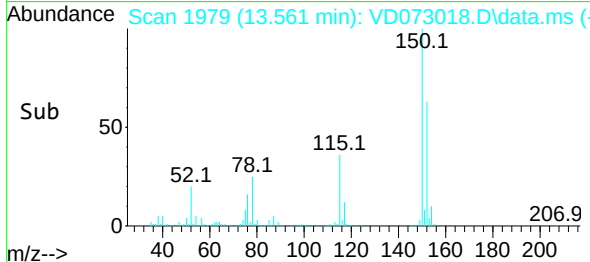
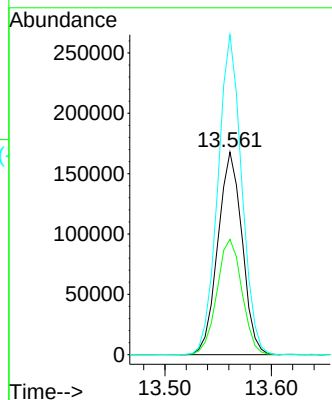
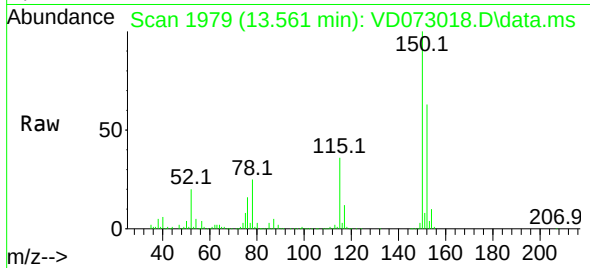




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

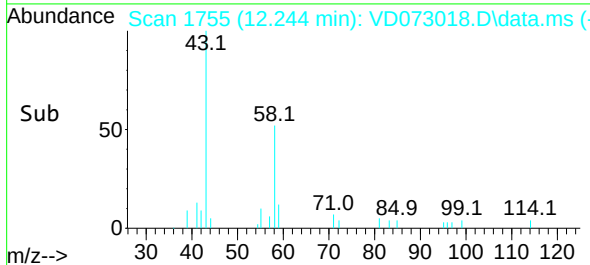
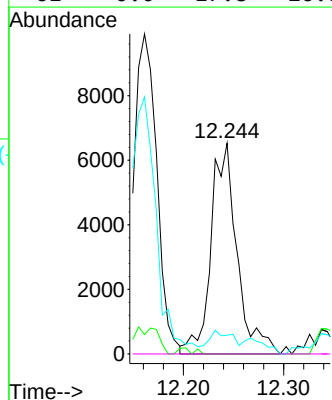
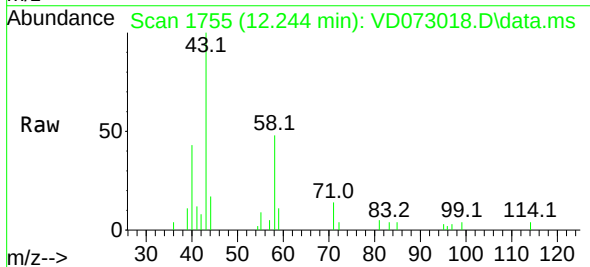
Instrument :
MSVOA_D
ClientSampleId :
SC-4

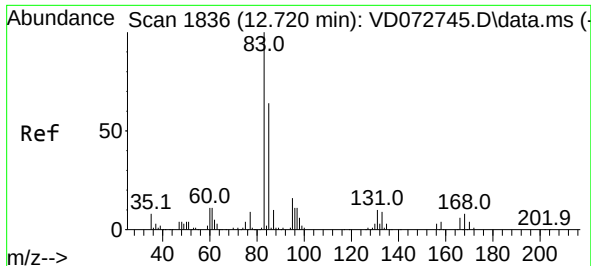
Tgt Ion:152 Resp: 265490
Ion Ratio Lower Upper
152 100
115 58.7 31.3 93.8
150 155.3 0.0 348.6



#74
N-ethyl acetate
Concen: 2.284 ug/l
RT: 12.244 min Scan# 1755
Delta R.T. -0.035 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

Tgt Ion: 43 Resp: 11750
Ion Ratio Lower Upper
43 100
70 0.0 31.3 46.9#
55 6.1 20.0 30.0#
61 0.0 17.8 26.8#

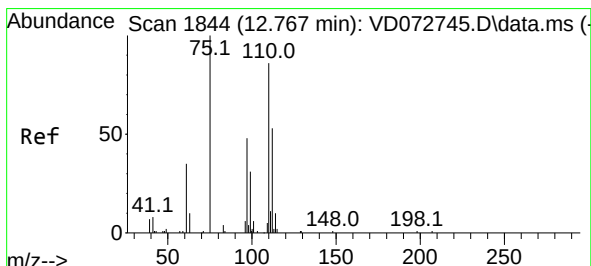
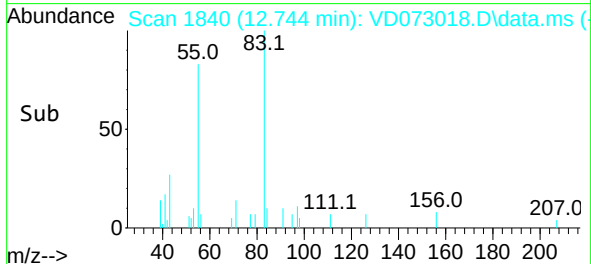
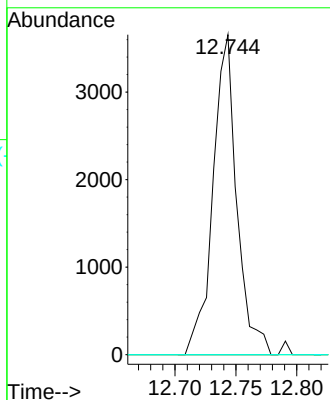
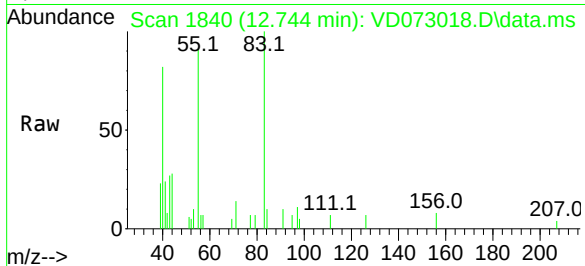




#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.197 ug/l
 RT: 12.744 min Scan# 1840
 Delta R.T. 0.024 min
 Lab File: VD073018.D
 Acq: 14 May 2022 05:47

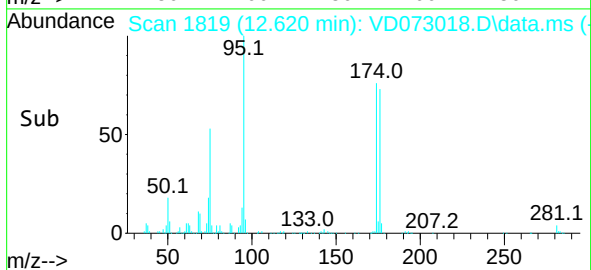
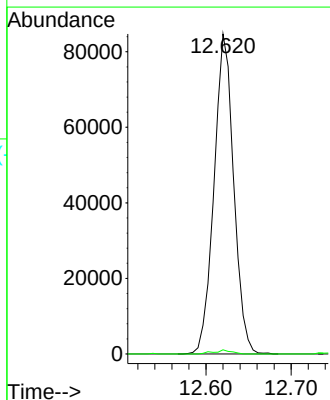
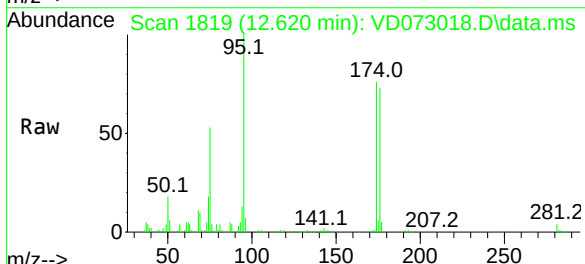
Instrument :
 MSVOA_D
 ClientSampleId :
 SC-4

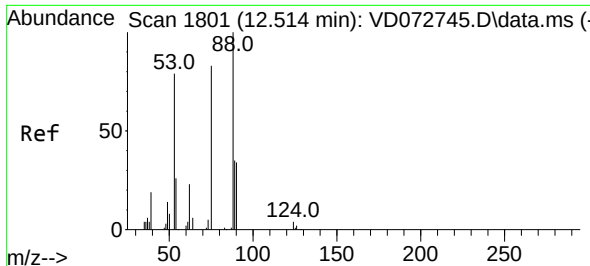
Tgt Ion: 83 Resp: 4992
 Ion Ratio Lower Upper
 83 100
 131 0.0 5.0 14.9#
 85 0.0 32.6 98.0#



#76
 1,2,3-Trichloropropane
 Concen: 45.879 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD073018.D
 Acq: 14 May 2022 05:47

Tgt Ion: 75 Resp: 135820
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#

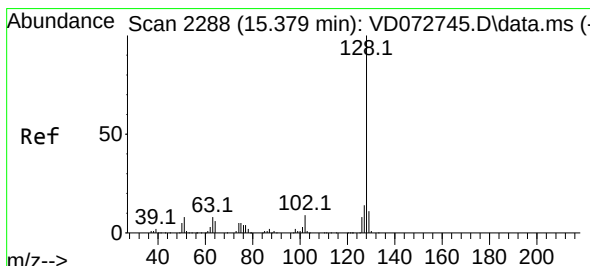
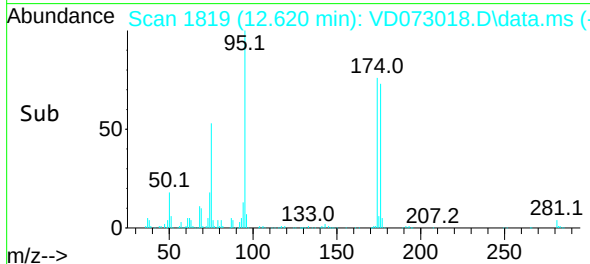
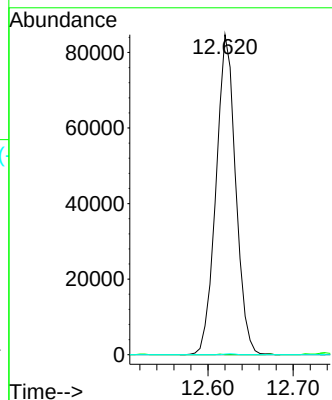
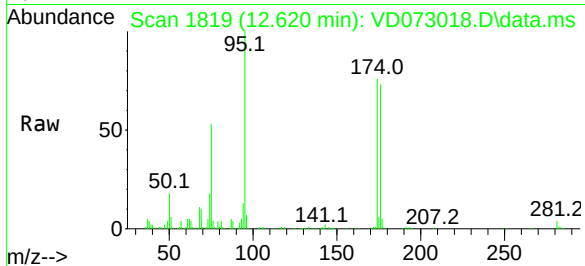




#81
trans-1,4-Dichloro-2-butene
Concen: 105.503 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.106 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

Instrument :
MSVOA_D
ClientSampleId :
SC-4

Tgt Ion: 75 Resp: 135820
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 0.2 33.9 50.9#



#95
Naphthalene
Concen: 51.598 ug/l
RT: 15.379 min Scan# 2288
Delta R.T. -0.000 min
Lab File: VD073018.D
Acq: 14 May 2022 05:47

Tgt Ion:128 Resp: 483822
Ion Ratio Lower Upper
128 100
127 12.8 10.3 15.5
129 10.6 8.4 12.6

