

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082622\
 Data File : VD074235.D
 Acq On : 26 Aug 2022 14:30
 Operator : VA/SY
 Sample : N4310-01
 Misc : 5.01G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Quant Time: Aug 26 15:59:47 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 23 13:12:17 2022
 Response via : Initial Calibration

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

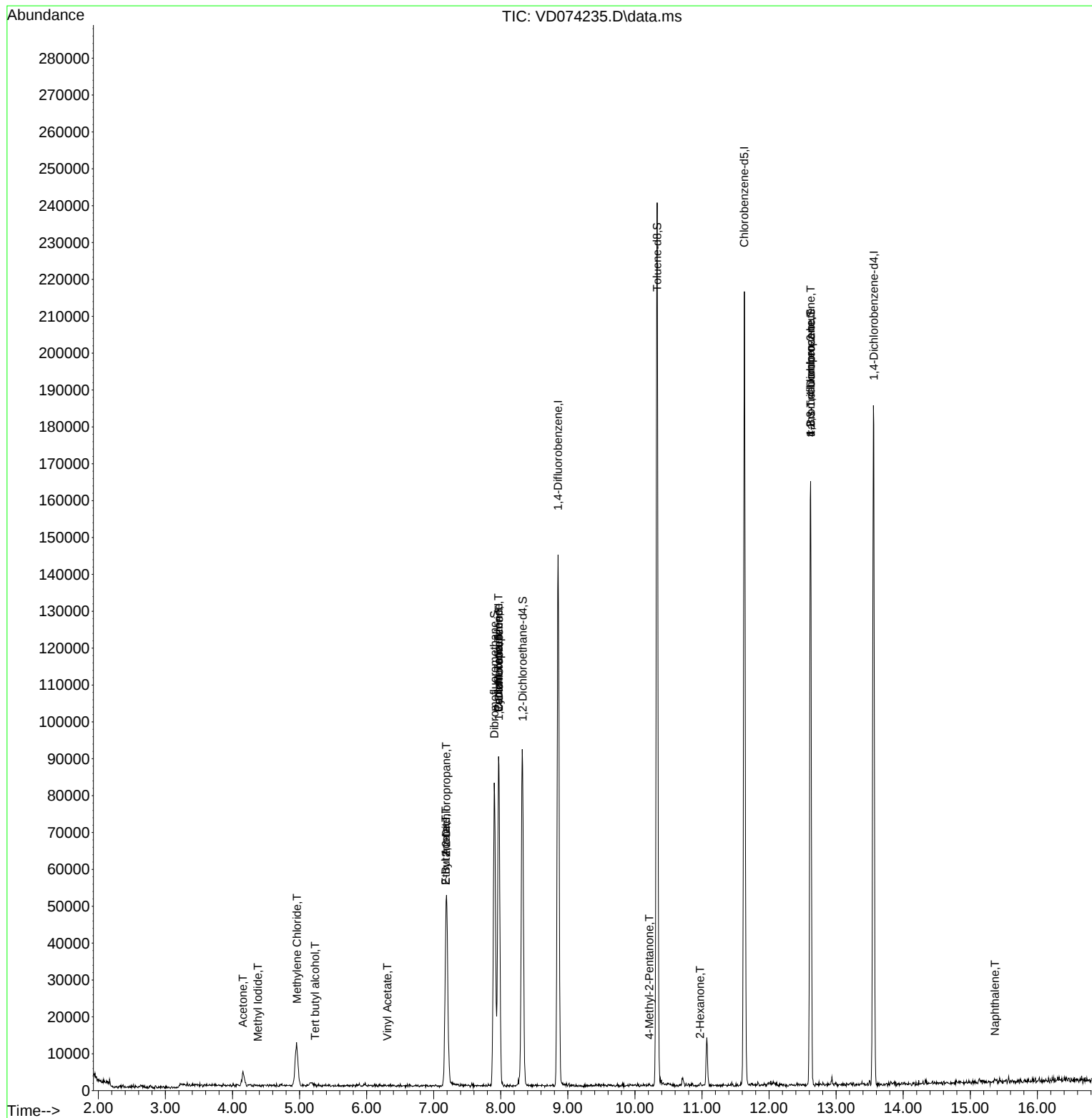
Internal Standards						
1) Pentafluorobenzene	7.967	168	66608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	124205	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	120735	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	50827	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	75947	111.583	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 223.160%#	
35) Dibromofluoromethane	7.902	113	59330	71.414	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 142.820%	
50) Toluene-d8	10.332	98	157902	59.055	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 118.100%	
62) 4-Bromofluorobenzene	12.620	95	56269	53.270	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 106.540%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.379	142	64	1.212	ug/l #	38
11) Tert butyl alcohol	5.232	59	186	4.388	ug/l #	74
16) Acetone	4.156	43	6072	46.825	ug/l	99
18) Methyl Acetate	4.732	43	263	Below Cal	#	55
20) Methylene Chloride	4.961	84	8698	5.345	ug/l #	79
23) Vinyl Acetate	6.308	43	56	10.118	ug/l #	75
25) 2-Butanone	7.179	43	3118	15.532	ug/l #	52
26) 2,2-Dichloropropane	7.185	77	3652	2.914	ug/l #	54
31) Cyclohexane	7.967	56	1272	1.050	ug/l #	33
36) 1,1-Dichloropropene	7.973	75	5110	4.070	ug/l #	47
37) Ethyl Acetate	7.179	43	3118	6.298	ug/l #	1
38) Carbon Tetrachloride	7.967	117	7023	5.207	ug/l #	13
51) 4-Methyl-2-Pentanone	10.214	43	576	1.158	ug/l #	39
59) 2-Hexanone	10.973	43	383	1.142	ug/l	99
76) 1,2,3-Trichloropropane	12.620	75	28577	57.582	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	28577	148.079	ug/l #	7
95) Naphthalene	15.367	128	1148	3.992	ug/l #	70

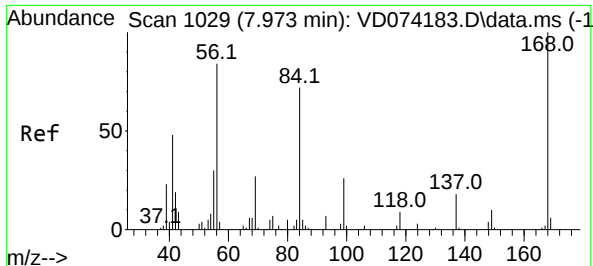
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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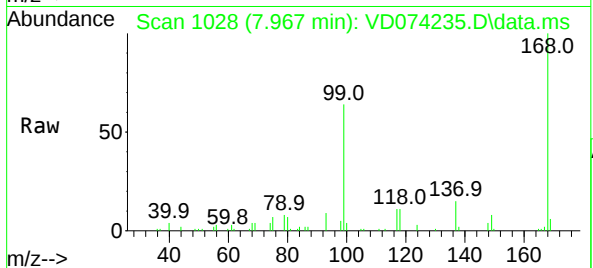
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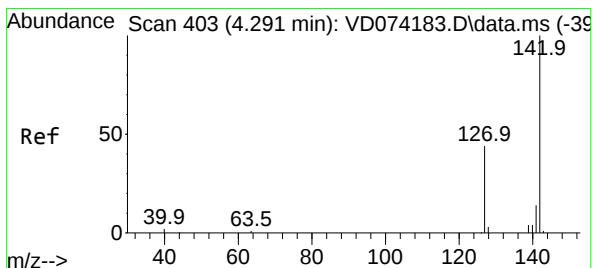
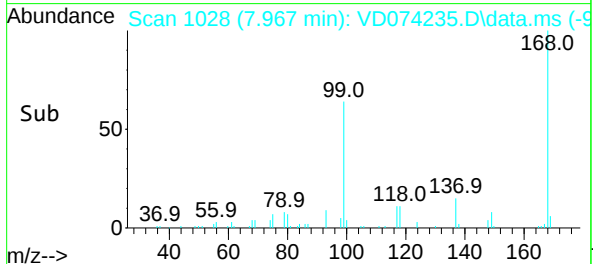
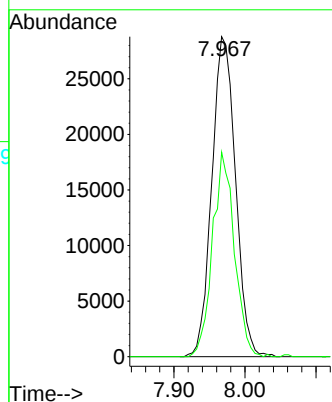


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD074235.D
Acq: 26 Aug 2022 14:30

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

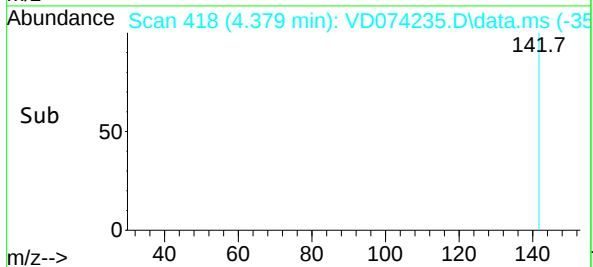
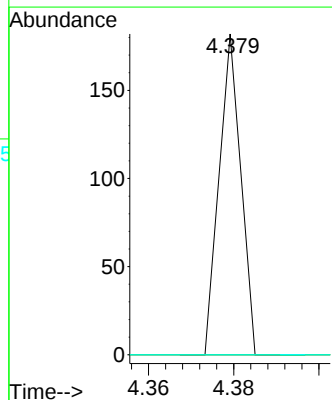
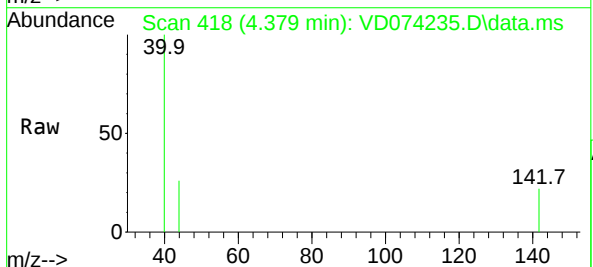


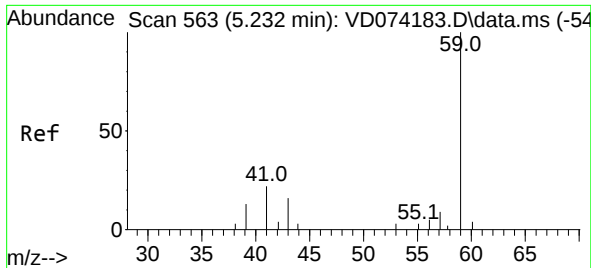
Tgt Ion:168 Resp: 66608
Ion Ratio Lower Upper
168 100
99 63.9 49.8 74.6



#10
Methyl Iodide
Concen: 1.212 ug/l
RT: 4.379 min Scan# 418
Delta R.T. 0.088 min
Lab File: VD074235.D
Acq: 26 Aug 2022 14:30

Tgt Ion:142 Resp: 64
Ion Ratio Lower Upper
142 100
127 0.0 37.3 55.9#
141 0.0 11.7 17.5#

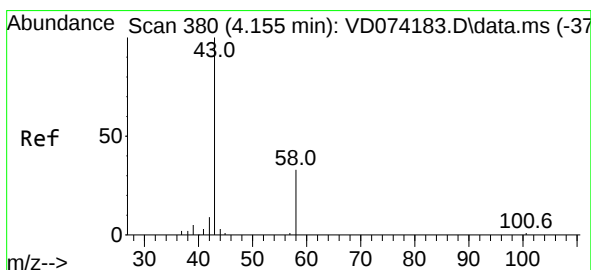
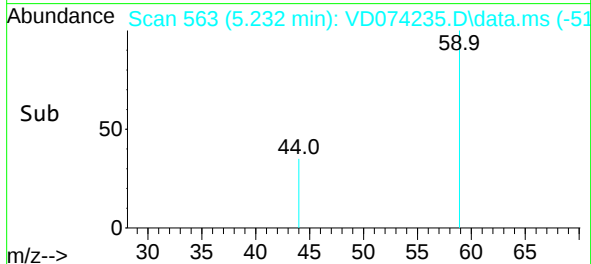
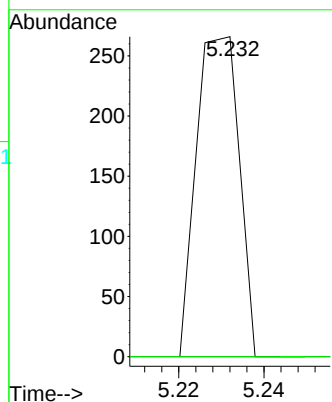
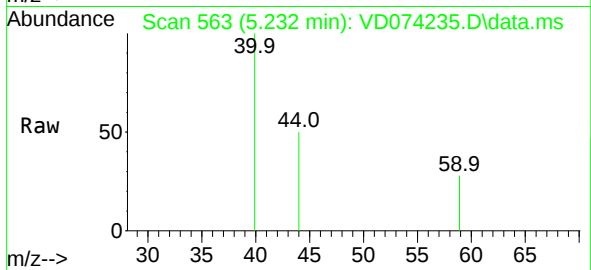




#11
Tert butyl alcohol
Concen: 4.388 ug/l
RT: 5.232 min Scan# 50
Delta R.T. 0.000 min
Lab File: VD074235.D
Acq: 26 Aug 2022 14:30

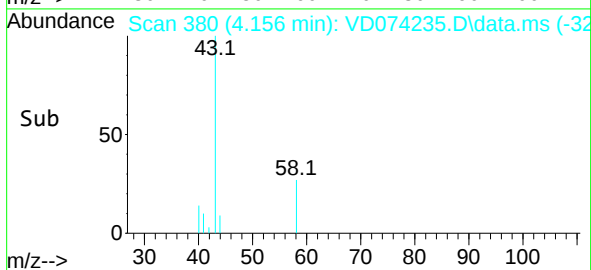
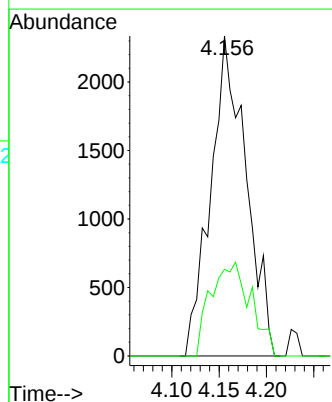
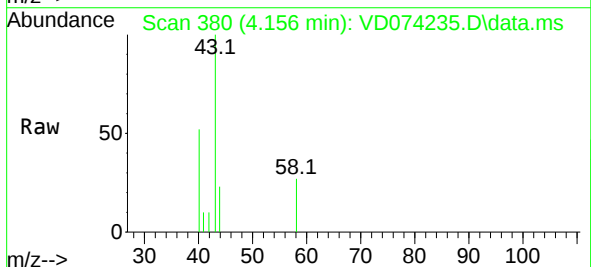
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

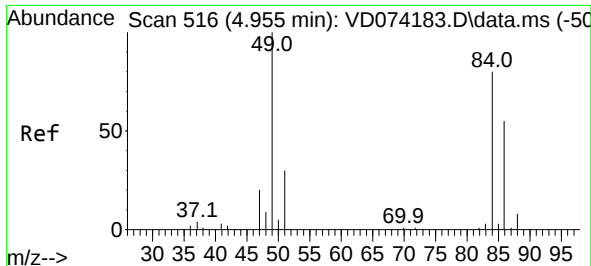
Tgt Ion: 59 Resp: 186
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 46.825 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.001 min
Lab File: VD074235.D
Acq: 26 Aug 2022 14:30

Tgt Ion: 43 Resp: 6072
Ion Ratio Lower Upper
43 100
58 27.1 22.1 33.1





#20

Methylene Chloride

Concen: 5.345 ug/l

RT: 4.961 min Scan# 51

Delta R.T. 0.006 min

Lab File: VD074235.D

Acq: 26 Aug 2022 14:30

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBS01

Tgt Ion: 84 Resp: 8698

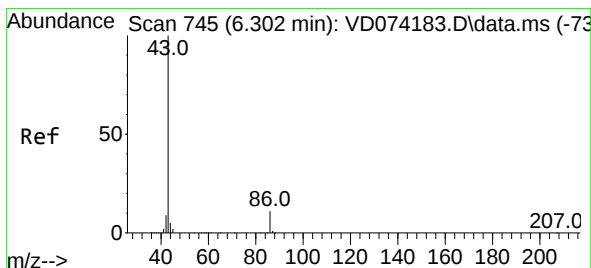
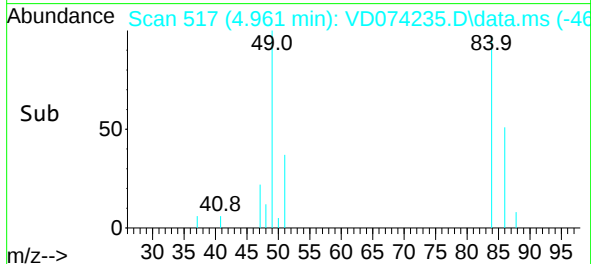
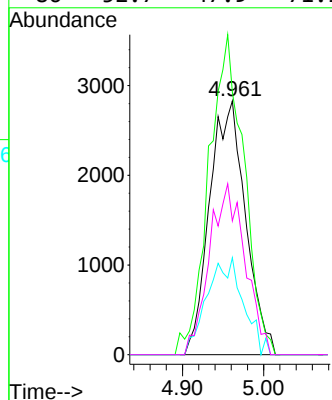
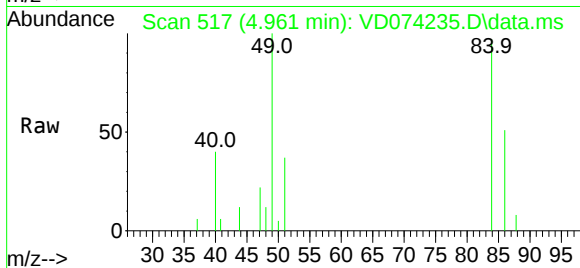
Ion Ratio Lower Upper

84 100

49 103.4 112.8 169.2#

51 38.2 32.6 48.8

86 52.7 47.9 71.9



#23

Vinyl Acetate

Concen: 10.118 ug/l

RT: 6.308 min Scan# 746

Delta R.T. 0.006 min

Lab File: VD074235.D

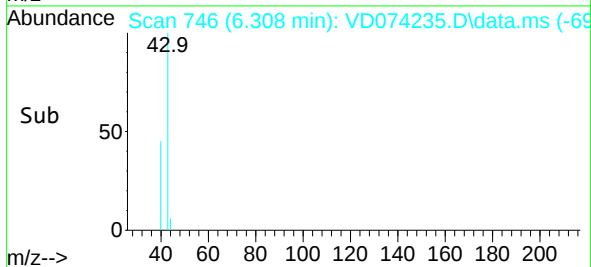
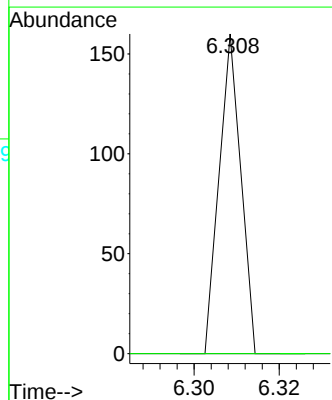
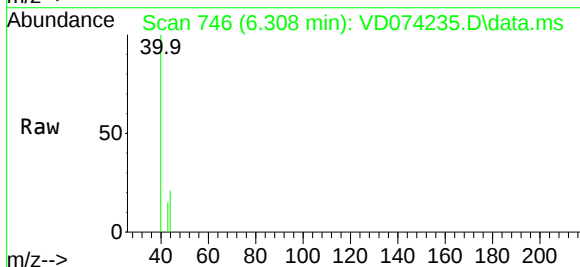
Acq: 26 Aug 2022 14:30

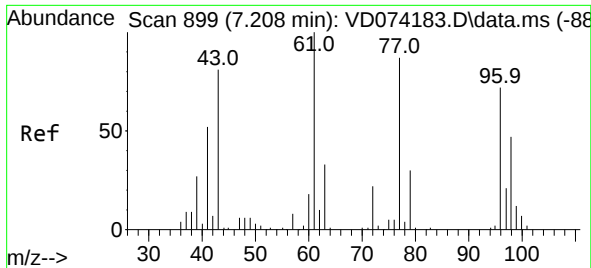
Tgt Ion: 43 Resp: 56

Ion Ratio Lower Upper

43 100

86 0.0 7.1 10.7#

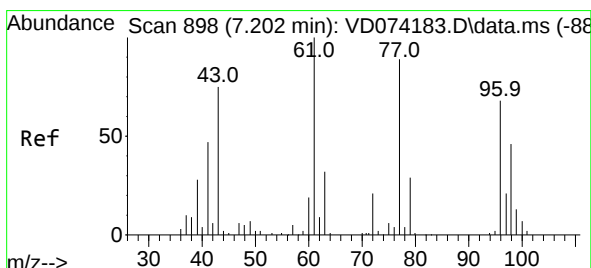
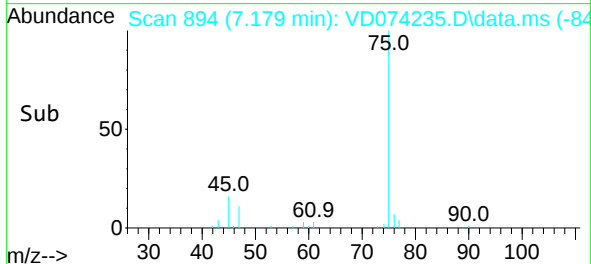
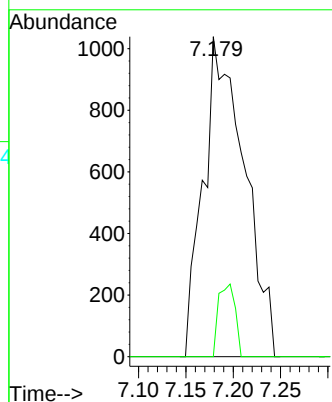
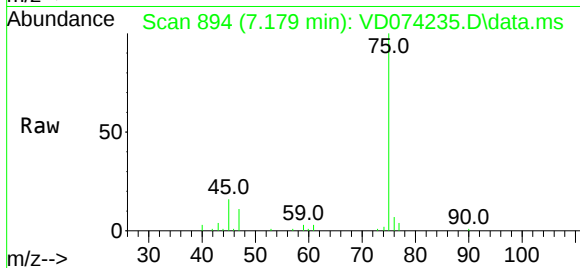




#25
2-Butanone
Concen: 15.532 ug/l
RT: 7.179 min Scan# 894
Delta R.T. -0.029 min
Lab File: VD074235.D
Acq: 26 Aug 2022 14:30

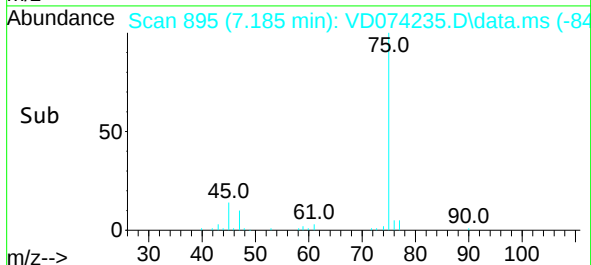
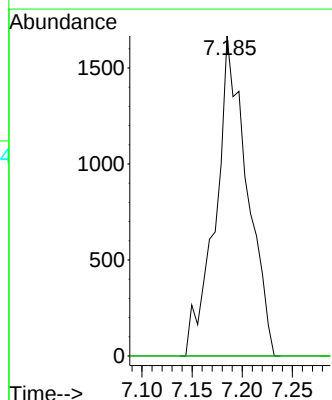
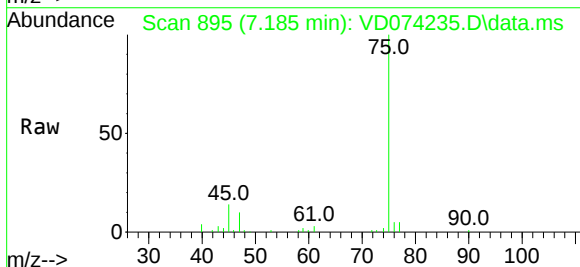
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

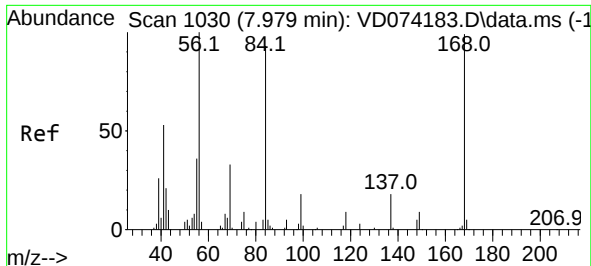
Tgt Ion: 43 Resp: 3118
Ion Ratio Lower Upper
43 100
72 0.0 18.6 27.8#



#26
2,2-Dichloropropane
Concen: 2.914 ug/l
RT: 7.185 min Scan# 895
Delta R.T. -0.017 min
Lab File: VD074235.D
Acq: 26 Aug 2022 14:30

Tgt Ion: 77 Resp: 3652
Ion Ratio Lower Upper
77 100
97 0.0 10.8 32.4#

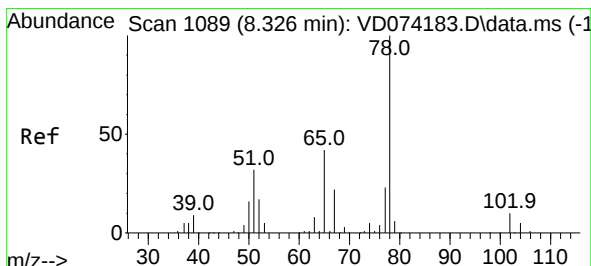
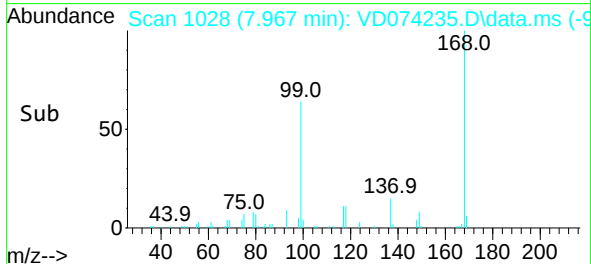
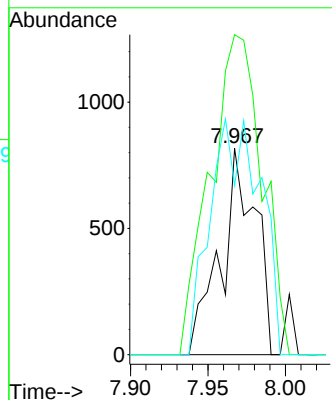
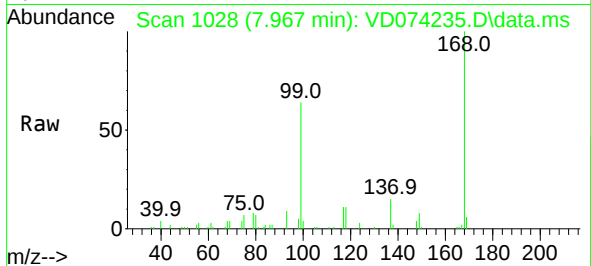




#31
Cyclohexane
Concen: 1.050 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.012 min
Lab File: VD074235.D
Acq: 26 Aug 2022 14:30

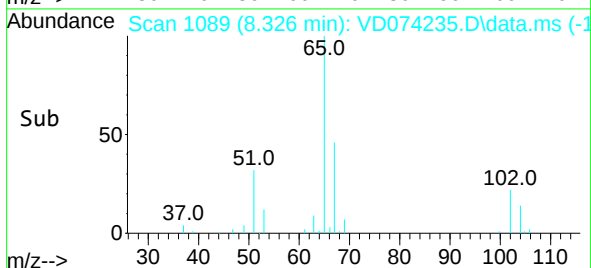
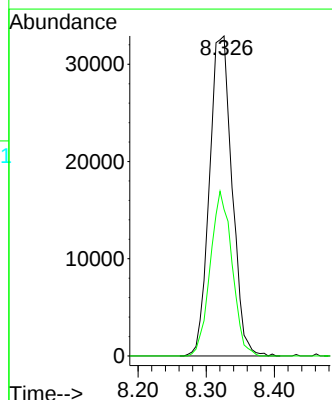
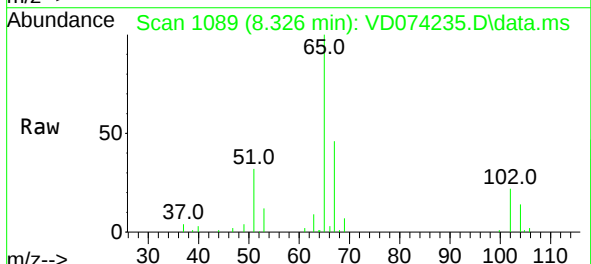
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

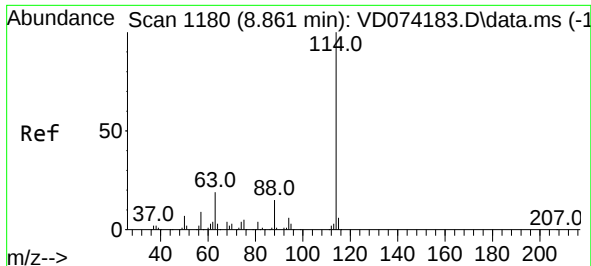
Tgt Ion: 56 Resp: 1272
Ion Ratio Lower Upper
56 100
69 155.1 25.4 38.2#
84 82.0 63.0 94.4



#33
1,2-Dichloroethane-d4
Concen: 111.583 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. -0.000 min
Lab File: VD074235.D
Acq: 26 Aug 2022 14:30

Tgt Ion: 65 Resp: 75947
Ion Ratio Lower Upper
65 100
67 49.7 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: VD074235.D

Acq: 26 Aug 2022 14:30

Instrument :

MSVOA_D

ClientSampleId :

VD0826SBS01

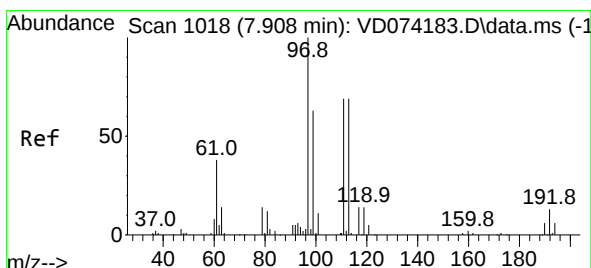
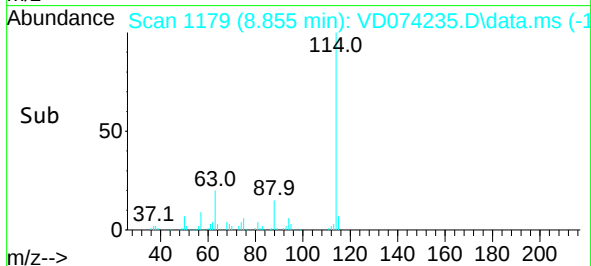
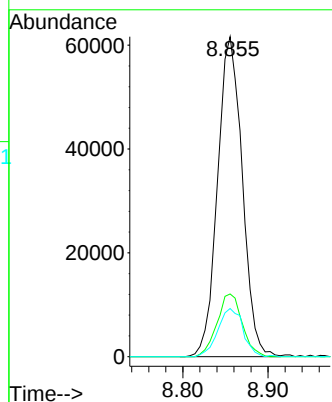
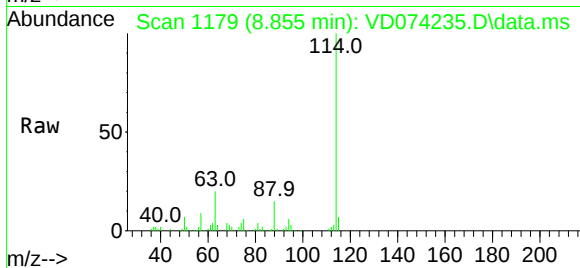
Tgt Ion:114 Resp: 124205

Ion Ratio Lower Upper

114 100

63 19.6 0.0 46.6

88 15.0 0.0 33.2



#35

Dibromofluoromethane

Concen: 71.414 ug/l

RT: 7.902 min Scan# 1017

Delta R.T. -0.006 min

Lab File: VD074235.D

Acq: 26 Aug 2022 14:30

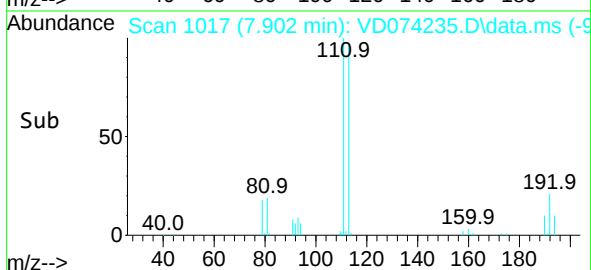
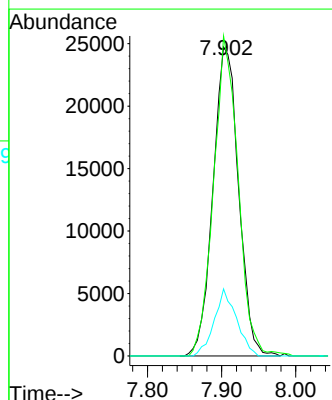
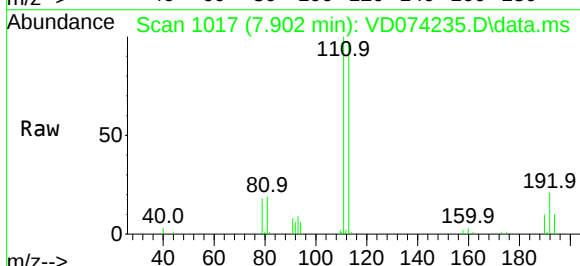
Tgt Ion:113 Resp: 59330

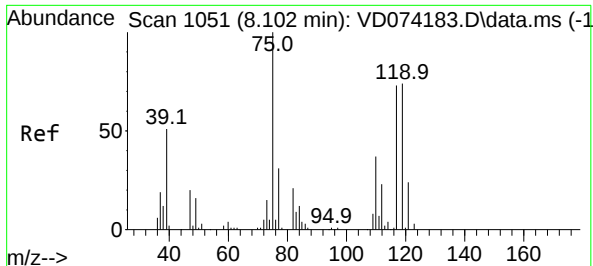
Ion Ratio Lower Upper

113 100

111 99.5 83.8 125.6

192 18.9 14.6 21.8





#36

1,1-Dichloropropene

Concen: 4.070 ug/l

RT: 7.973 min Scan# 1

Delta R.T. -0.129 min

Lab File: VD074235.D

Acq: 26 Aug 2022 14:30

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ClientSampleId :

VD0826SBS01

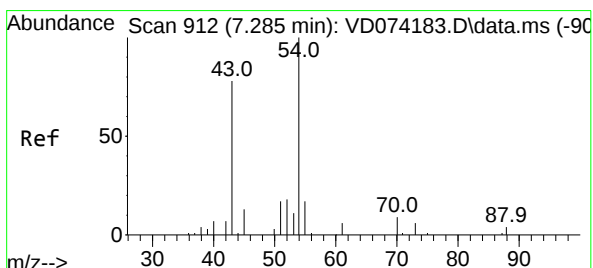
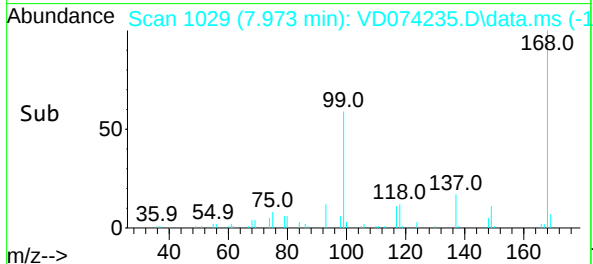
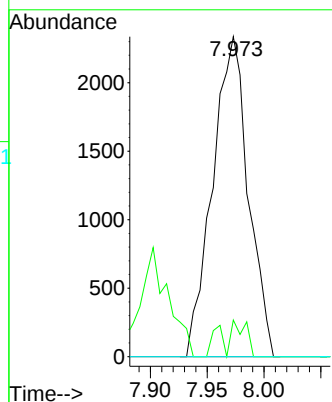
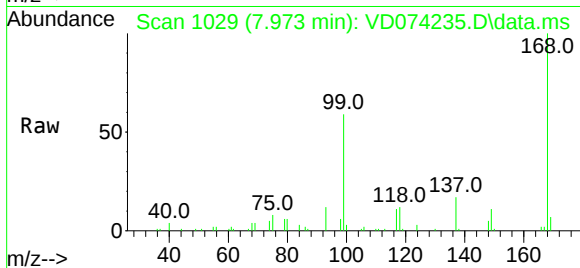
Tgt Ion: 75 Resp: 5110

Ion Ratio Lower Upper

75 100

110 4.7 16.4 49.1#

77 0.0 24.2 36.2#



#37

Ethyl Acetate

Concen: 6.298 ug/l

RT: 7.179 min Scan# 894

Delta R.T. -0.106 min

Lab File: VD074235.D

Acq: 26 Aug 2022 14:30

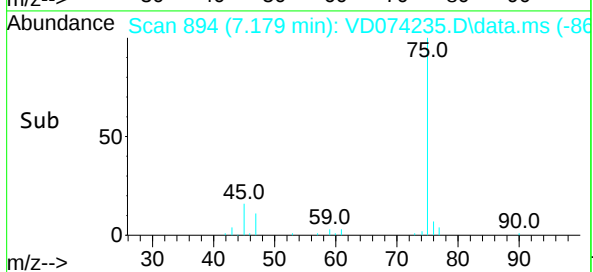
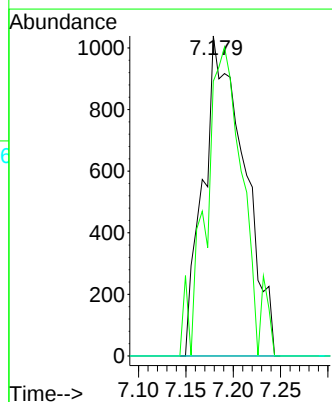
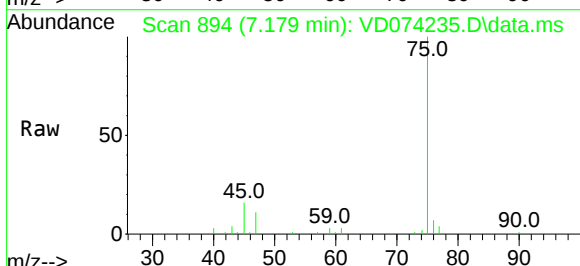
Tgt Ion: 43 Resp: 3118

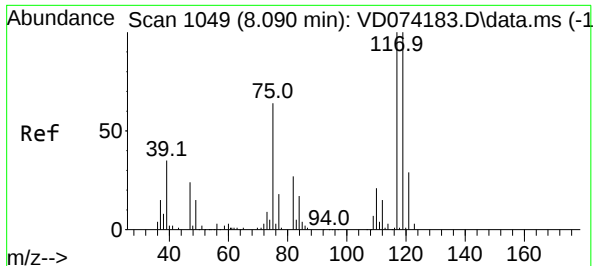
Ion Ratio Lower Upper

43 100

61 83.6 9.8 14.8#

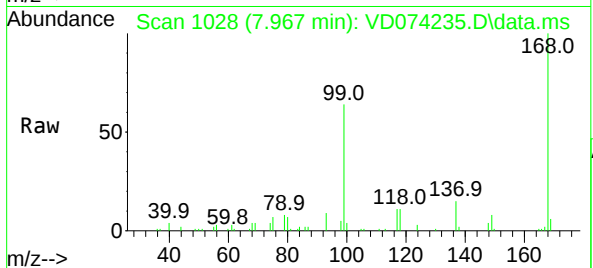
70 0.0 6.9 10.3#



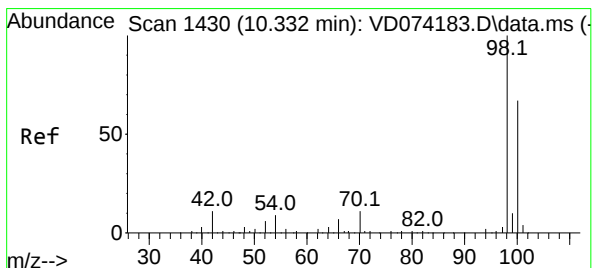
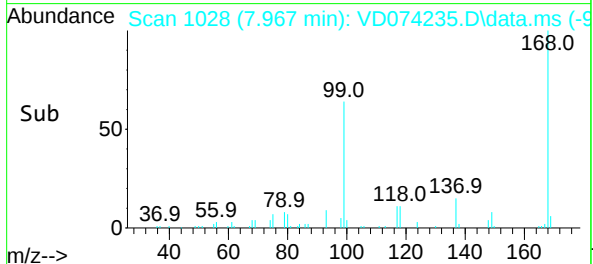
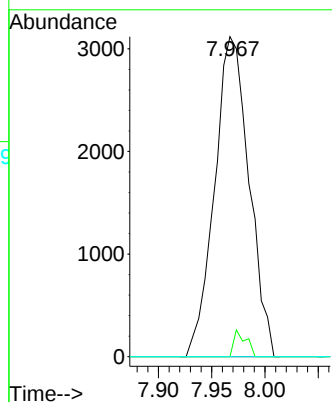


#38
Carbon Tetrachloride
Concen: 5.207 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.123 min
Lab File: VD074235.D
Acq: 26 Aug 2022 14:30

Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

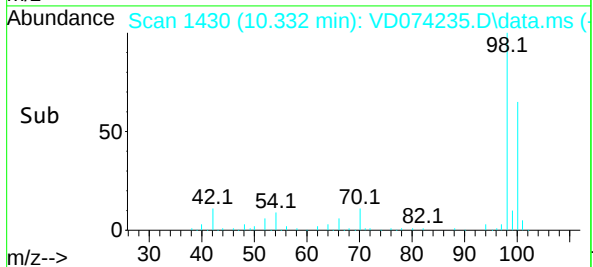
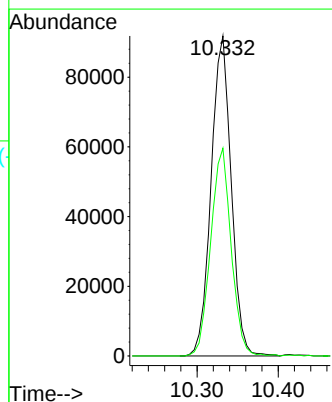
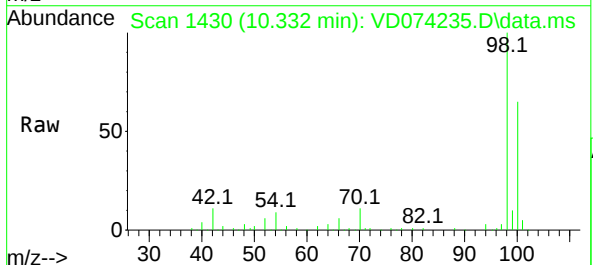


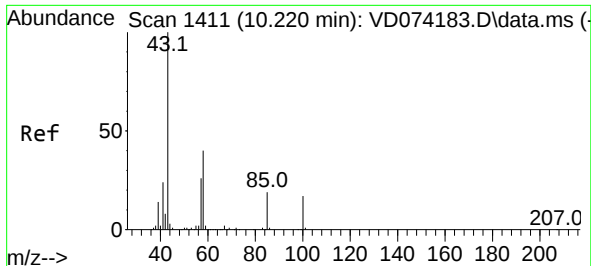
Tgt Ion:117 Resp: 7023
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.6#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 59.055 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD074235.D
Acq: 26 Aug 2022 14:30

Tgt Ion: 98 Resp: 157902
Ion Ratio Lower Upper
98 100
100 66.2 52.4 78.6

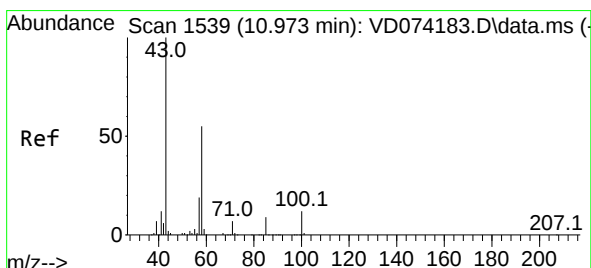
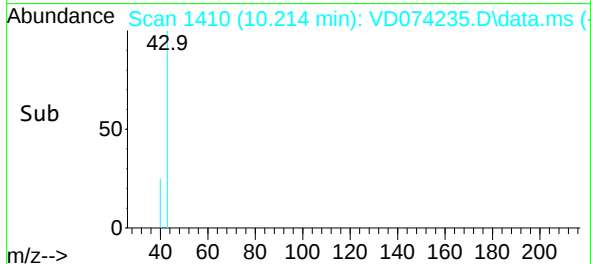
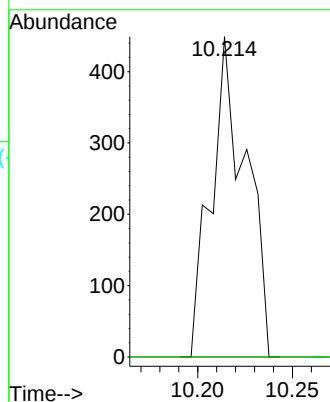
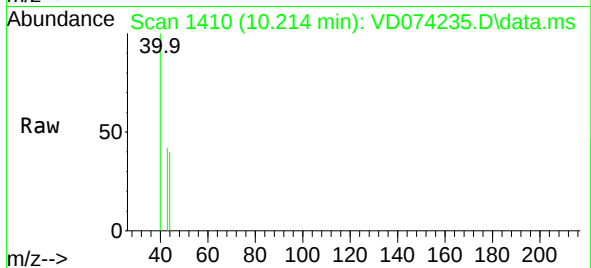




#51
4-Methyl-2-Pentanone
Concen: 1.158 ug/l
RT: 10.214 min Scan# 1411
Delta R.T. -0.006 min
Lab File: VD074235.D
Acq: 26 Aug 2022 14:30

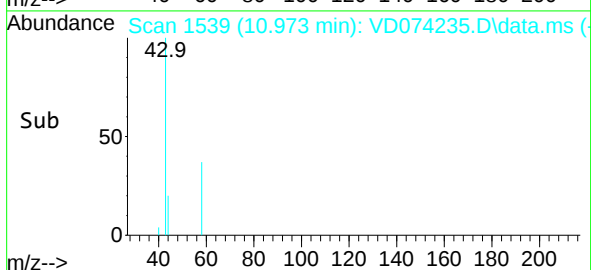
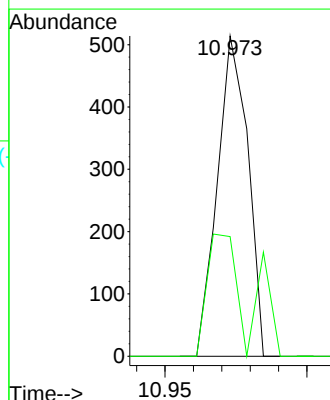
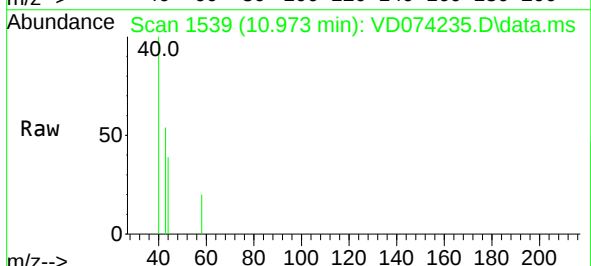
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

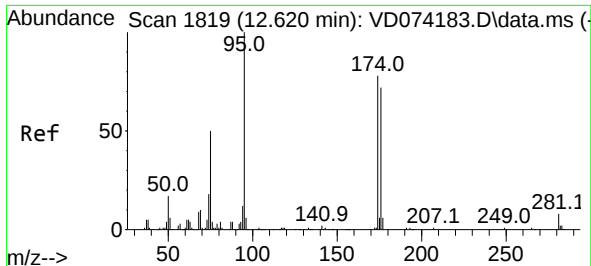
Tgt Ion: 43 Resp: 576
Ion Ratio Lower Upper
43 100
58 0.0 28.6 43.0#



#59
2-Hexanone
Concen: 1.142 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. -0.000 min
Lab File: VD074235.D
Acq: 26 Aug 2022 14:30

Tgt Ion: 43 Resp: 383
Ion Ratio Lower Upper
43 100
58 51.2 25.3 75.9

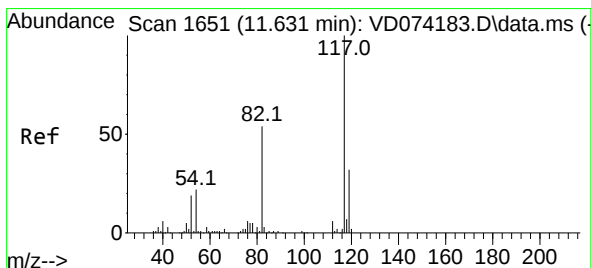
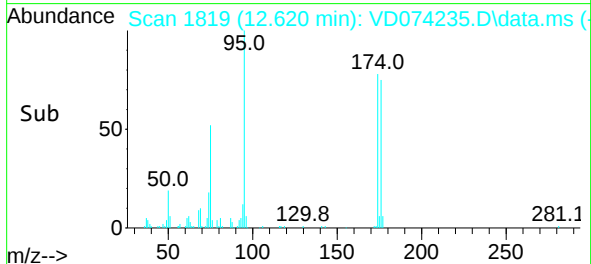
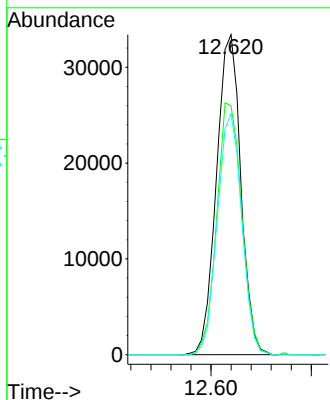
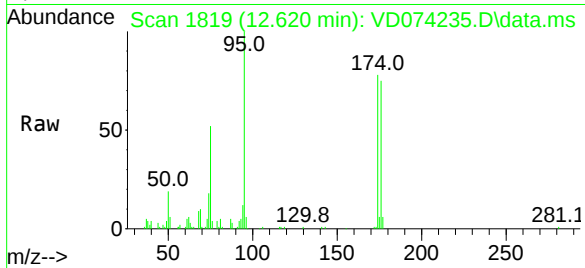




#62
4-Bromofluorobenzene
Concen: 53.270 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074235.D
Acq: 26 Aug 2022 14:30

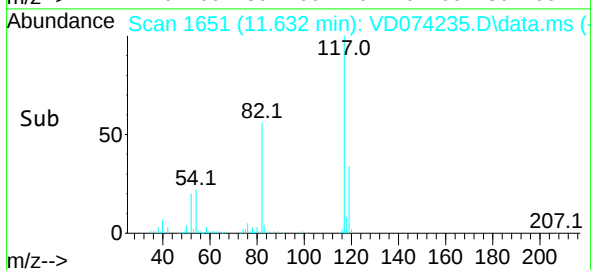
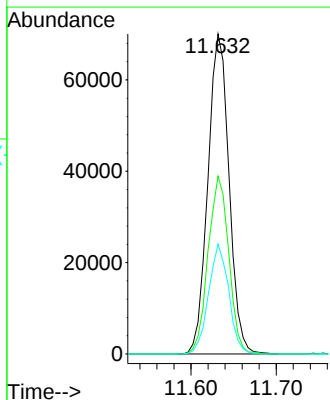
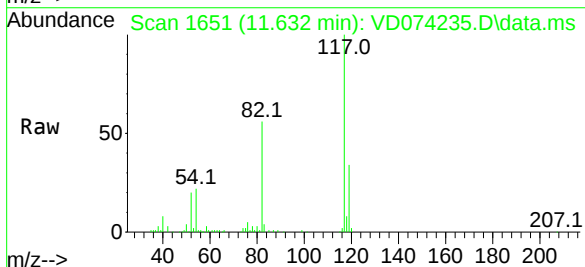
Instrument :
MSVOA_D
ClientSampleId :
VD0826SBS01

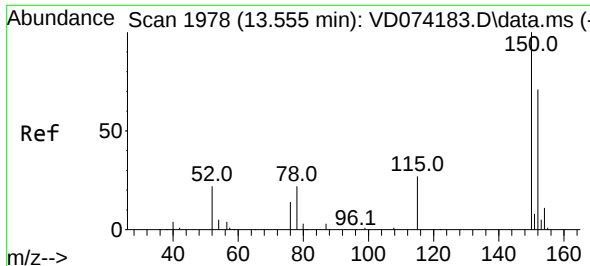
Tgt Ion: 95 Resp: 56269
Ion Ratio Lower Upper
95 100
174 80.7 0.0 152.8
176 75.5 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.001 min
Lab File: VD074235.D
Acq: 26 Aug 2022 14:30

Tgt Ion: 117 Resp: 120735
Ion Ratio Lower Upper
117 100
82 55.6 45.3 67.9
119 34.3 26.6 40.0

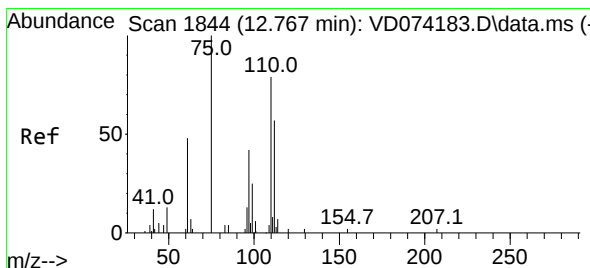
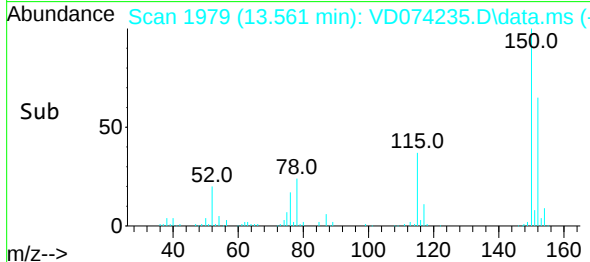
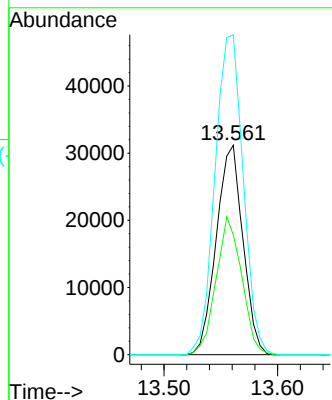
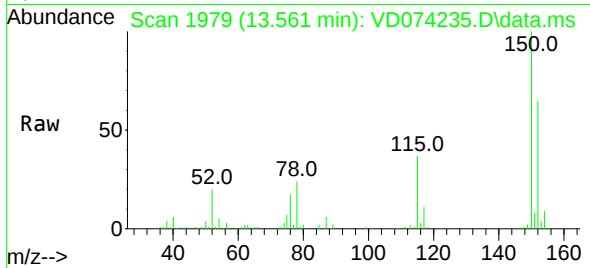




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.561 min Scan# 1978
 Delta R.T. 0.006 min
 Lab File: VD074235.D
 Acq: 26 Aug 2022 14:30

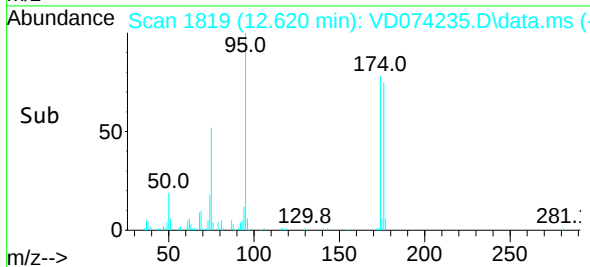
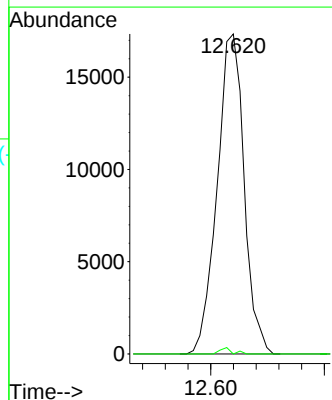
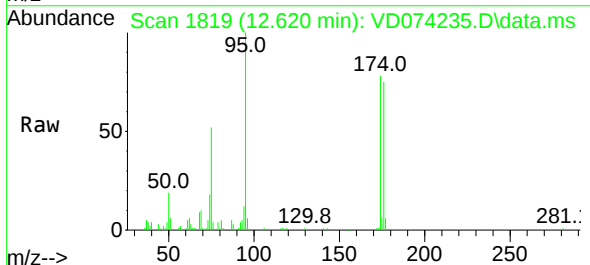
Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

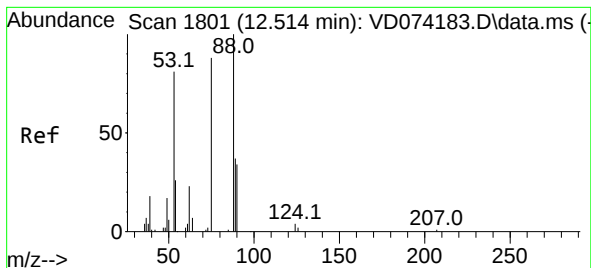
Tgt Ion:152 Resp: 50827
 Ion Ratio Lower Upper
 152 100
 115 63.2 31.3 93.8
 150 161.5 0.0 348.6



#76
 1,2,3-Trichloropropane
 Concen: 57.582 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. -0.147 min
 Lab File: VD074235.D
 Acq: 26 Aug 2022 14:30

Tgt Ion: 75 Resp: 28577
 Ion Ratio Lower Upper
 75 100
 77 0.9 0.0 0.0#

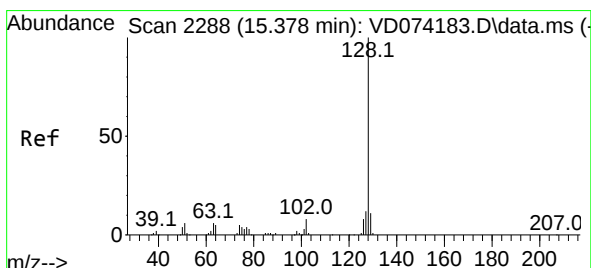
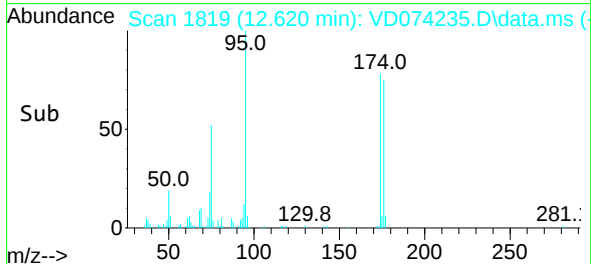
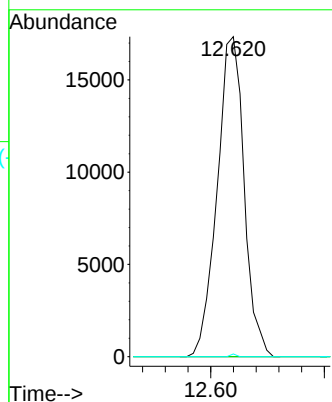
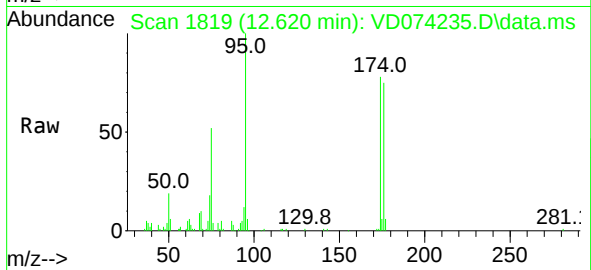




#81
 trans-1,4-Dichloro-2-butene
 Concen: 148.079 ug/l
 RT: 12.620 min Scan# 1819
 Delta R.T. 0.106 min
 Lab File: VD074235.D
 Acq: 26 Aug 2022 14:30

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0826SBS01

Tgt Ion: 75 Resp: 28577
 Ion Ratio Lower Upper
 75 100
 53 0.0 86.5 129.7#
 89 0.2 33.9 50.9#



#95
 Naphthalene
 Concen: 3.992 ug/l
 RT: 15.367 min Scan# 2286
 Delta R.T. -0.011 min
 Lab File: VD074235.D
 Acq: 26 Aug 2022 14:30

Tgt Ion: 128 Resp: 1148
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.3 15.5#
 129 0.0 8.4 12.6#

