

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD091322\Not Reviewed Data\
 Data File : VD074262.D
 Acq On : 13 Sep 2022 12:54
 Operator : VA/SY
 Sample : VD0913SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0913SBL01

Quant Time: Sep 16 18:48:31 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D090922S.M
 Quant Title : SW846 8260
 QLast Update : Sat Sep 10 04:45:19 2022
 Response via : Initial Calibration

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

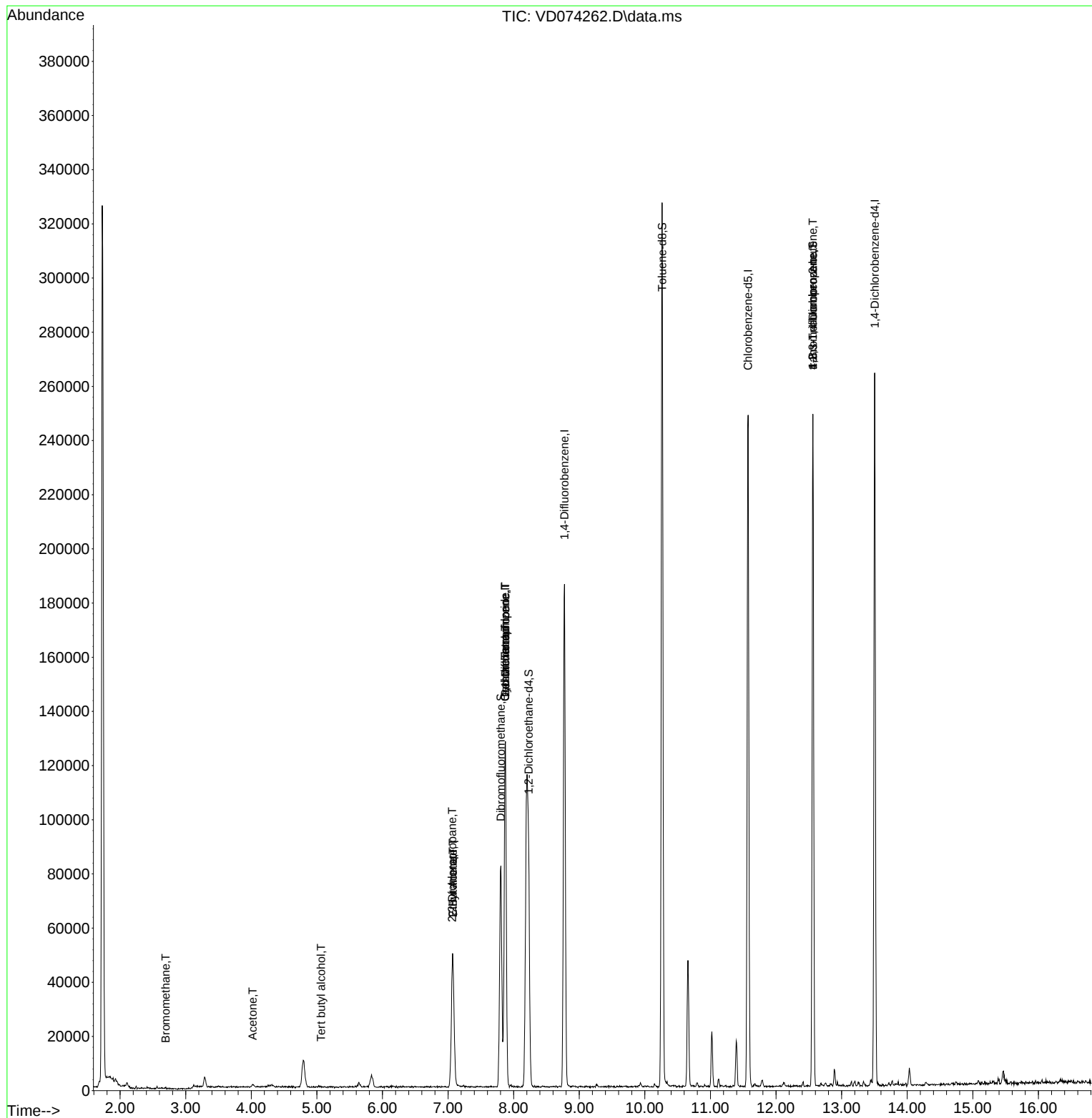
Internal Standards						
1) Pentafluorobenzene	7.875	168	101366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.775	114	167259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.575	117	148060	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.504	152	69815	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.228	65	56692	54.858	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.720%	
35) Dibromofluoromethane	7.804	113	59470	53.352	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 106.700%	
50) Toluene-d8	10.263	98	226272	55.188	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.380%	
62) 4-Bromofluorobenzene	12.563	95	70674	49.253	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.500%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.928	85	1256	Below Cal		97
5) Bromomethane	2.693	94	450	1.324 ug/l	#	76
11) Tert butyl alcohol	5.063	59	212	2.515 ug/l	#	74
16) Acetone	4.022	43	1368	6.413 ug/l	#	42
20) Methylene Chloride	4.799	84	7580	Below Cal	#	90
25) 2-Butanone	7.075	43	2664	7.488 ug/l	#	48
26) 2,2-Dichloropropane	7.063	77	3812	1.923 ug/l	#	53
31) Cyclohexane	7.869	56	2442	1.143 ug/l	#	14
36) 1,1-Dichloropropene	7.875	75	7829	4.325 ug/l	#	48
37) Ethyl Acetate	7.075	43	2664	3.393 ug/l	#	1
38) Carbon Tetrachloride	7.869	117	9498	5.799 ug/l	#	14
76) 1,2,3-Trichloropropane	12.563	75	36524	51.032 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.563	75	36524	125.822 ug/l	#	100

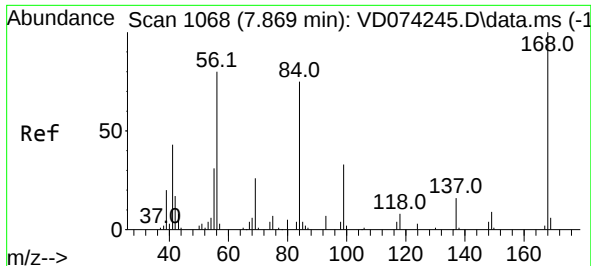
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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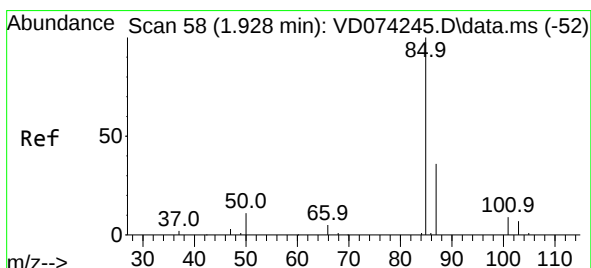
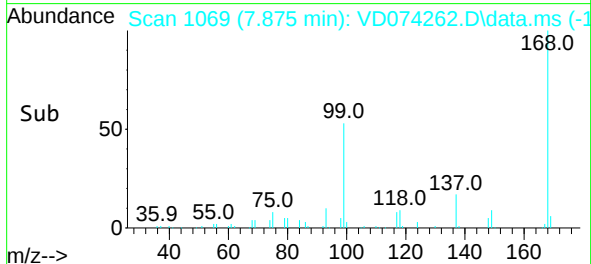
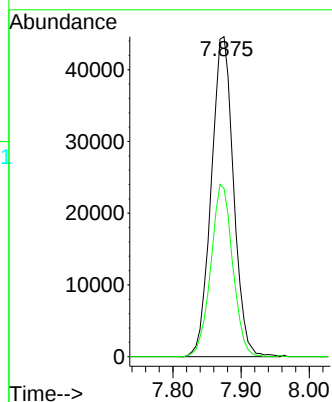
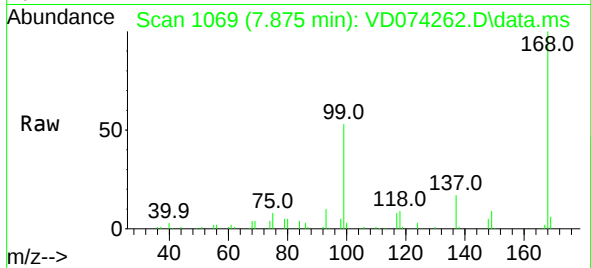




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. 0.006 min
Lab File: VD074262.D
Acq: 13 Sep 2022 12:54

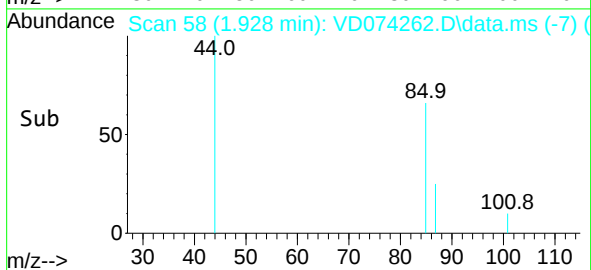
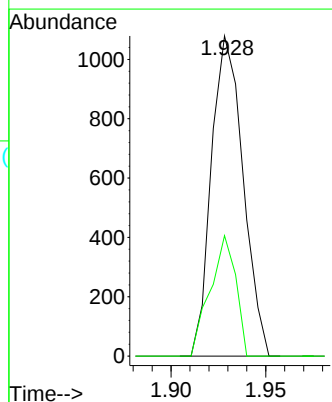
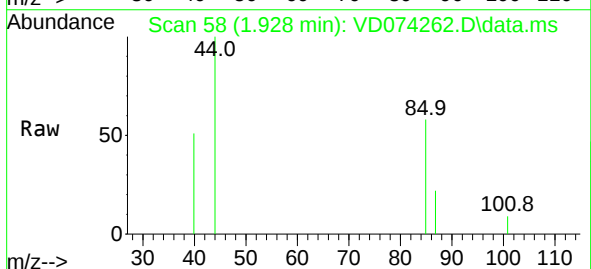
Instrument :
MSVOA_D
ClientSampleId :
VD0913SBL01

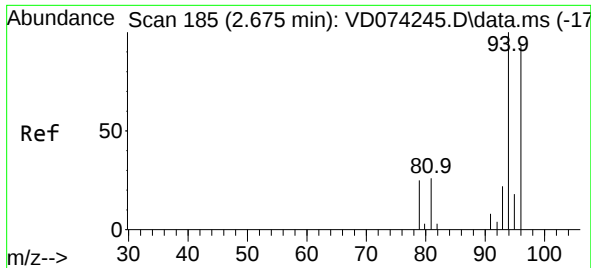
Tgt Ion:168 Resp: 101366
Ion Ratio Lower Upper
168 100
99 52.6 43.0 64.6



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.928 min Scan# 58
Delta R.T. 0.000 min
Lab File: VD074262.D
Acq: 13 Sep 2022 12:54

Tgt Ion: 85 Resp: 1256
Ion Ratio Lower Upper
85 100
87 37.6 17.9 53.7

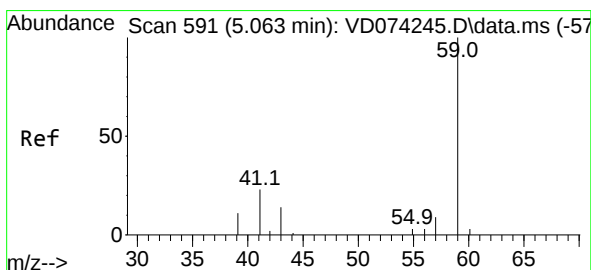
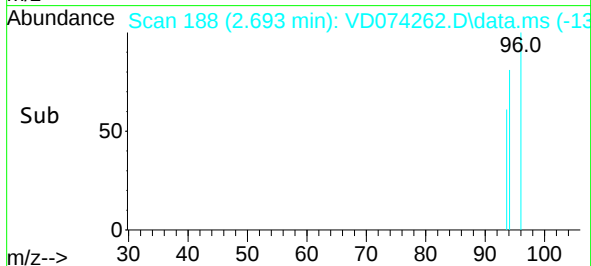
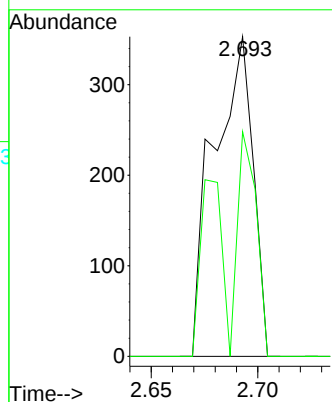
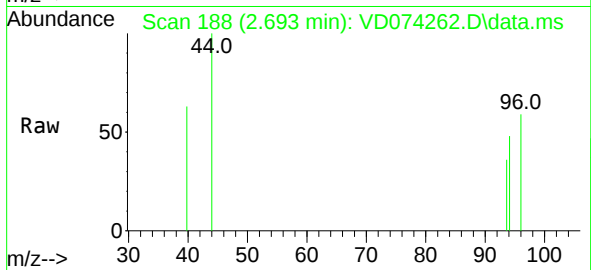




#5
Bromomethane
Concen: 1.324 ug/l
RT: 2.693 min Scan# 11
Delta R.T. 0.018 min
Lab File: VD074262.D
Acq: 13 Sep 2022 12:54

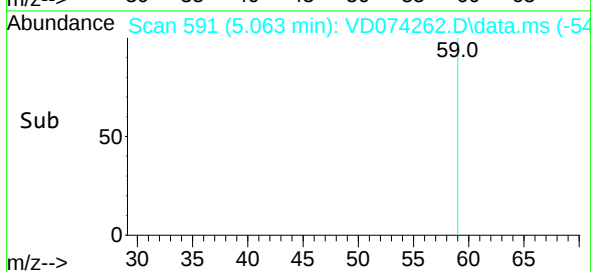
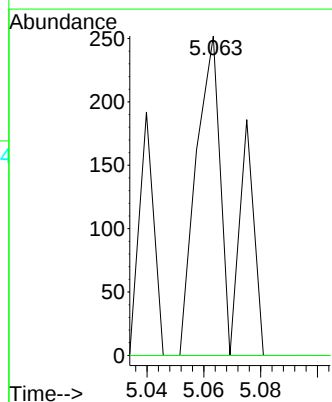
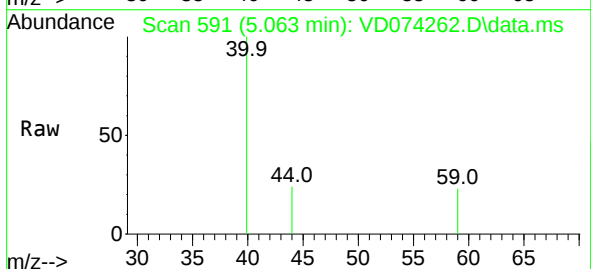
Instrument :
MSVOA_D
ClientSampleId :
VD0913SBL01

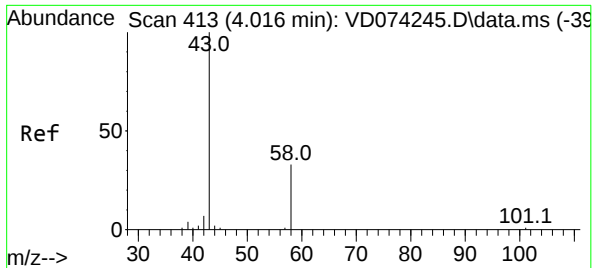
Tgt Ion: 94 Resp: 450
Ion Ratio Lower Upper
94 100
96 70.3 74.6 112.0#



#11
Tert butyl alcohol
Concen: 2.515 ug/l
RT: 5.063 min Scan# 591
Delta R.T. -0.000 min
Lab File: VD074262.D
Acq: 13 Sep 2022 12:54

Tgt Ion: 59 Resp: 212
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

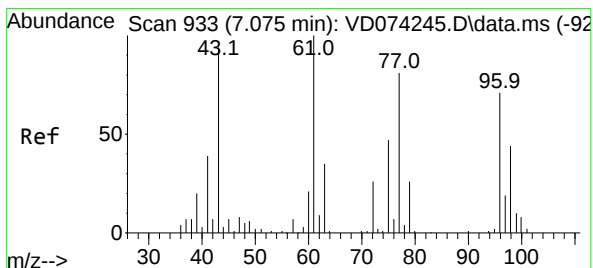
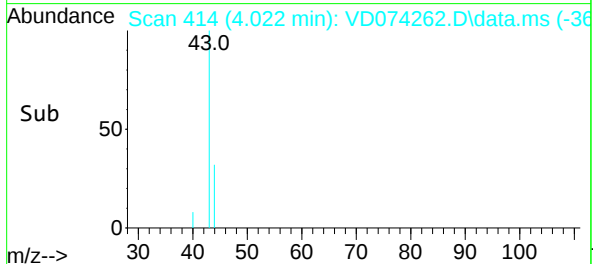
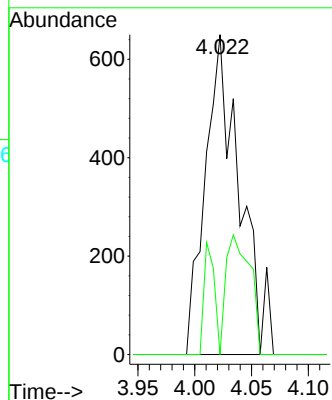
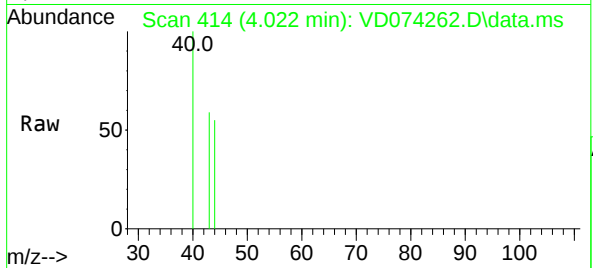




#16
Acetone
Concen: 6.413 ug/l
RT: 4.022 min Scan# 413
Delta R.T. 0.006 min
Lab File: VD074262.D
Acq: 13 Sep 2022 12:54

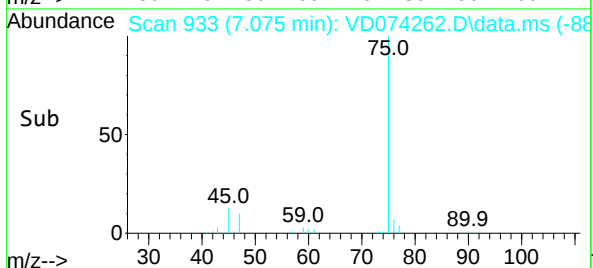
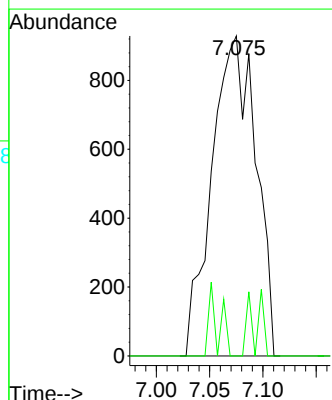
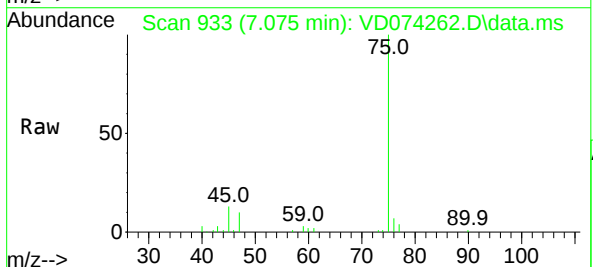
Instrument :
MSVOA_D
ClientSampleId :
VD0913SBL01

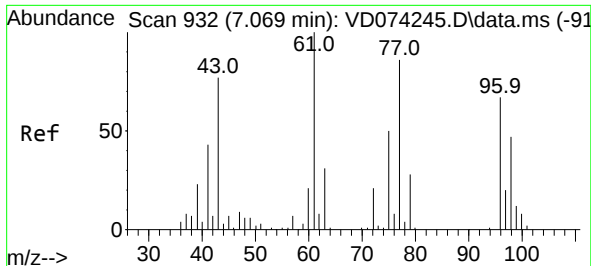
Tgt Ion: 43 Resp: 1368
Ion Ratio Lower Upper
43 100
58 0.0 26.4 39.6#



#25
2-Butanone
Concen: 7.488 ug/l
RT: 7.075 min Scan# 933
Delta R.T. -0.000 min
Lab File: VD074262.D
Acq: 13 Sep 2022 12:54

Tgt Ion: 43 Resp: 2664
Ion Ratio Lower Upper
43 100
72 0.0 21.8 32.6#





#26

2,2-Dichloropropane

Concen: 1.923 ug/l

RT: 7.063 min Scan# 91

Delta R.T. -0.006 min

Lab File: VD074262.D

Acq: 13 Sep 2022 12:54

Instrument :

MSVOA_D

ClientSampleId :

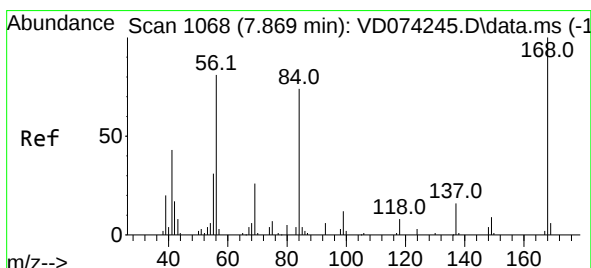
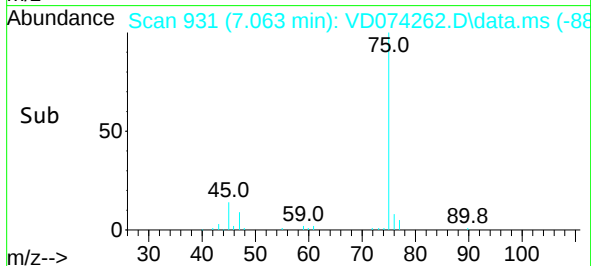
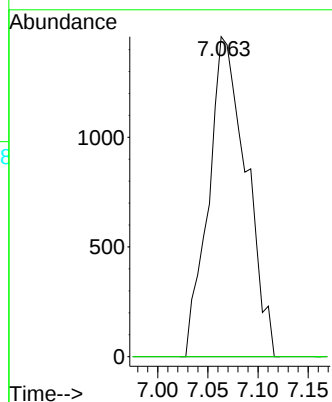
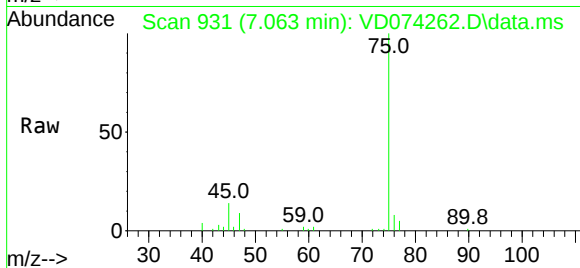
VD0913SBL01

Tgt Ion: 77 Resp: 3812

Ion Ratio Lower Upper

77 100

97 0.0 11.5 34.4#



#31

Cyclohexane

Concen: 1.143 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.000 min

Lab File: VD074262.D

Acq: 13 Sep 2022 12:54

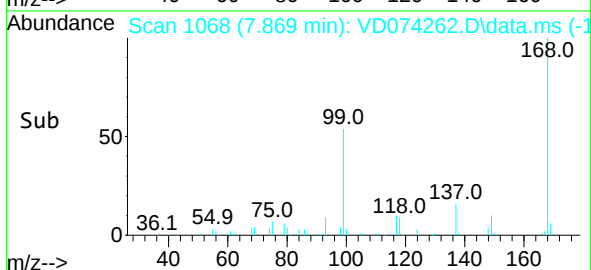
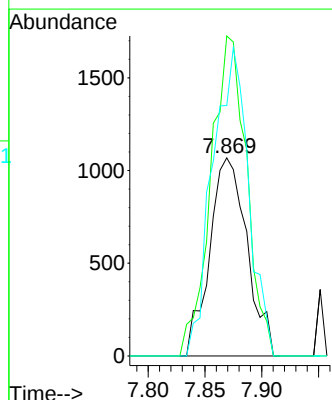
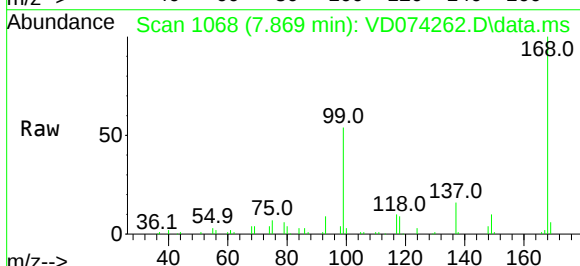
Tgt Ion: 56 Resp: 2442

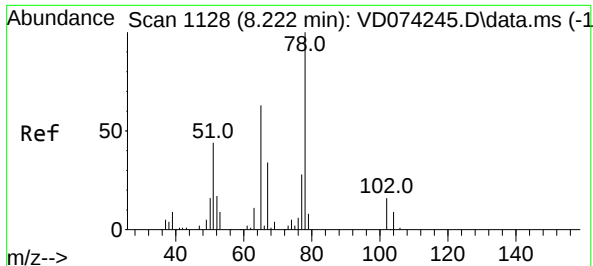
Ion Ratio Lower Upper

56 100

69 161.6 25.7 38.5#

84 126.5 73.9 110.9#





#33

1,2-Dichloroethane-d4

Concen: 54.858 ug/l

RT: 8.228 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VD074262.D

Acq: 13 Sep 2022 12:54

Instrument :

MSVOA_D

ClientSampleId :

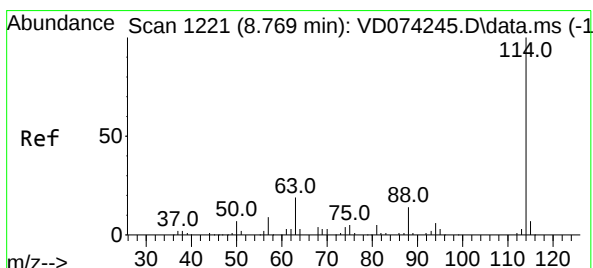
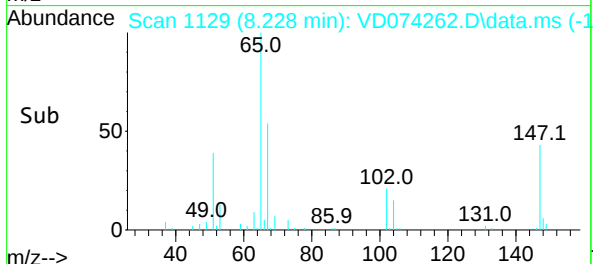
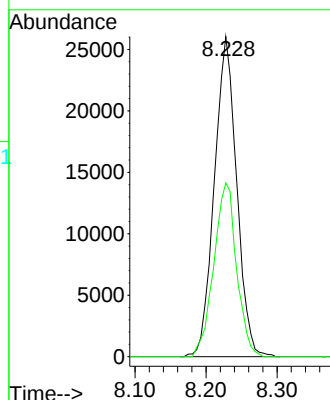
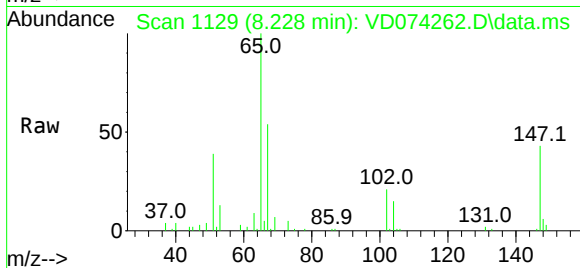
VD0913SBL01

Tgt Ion: 65 Resp: 56692

Ion Ratio Lower Upper

65 100

67 55.4 0.0 110.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.775 min Scan# 1222

Delta R.T. 0.006 min

Lab File: VD074262.D

Acq: 13 Sep 2022 12:54

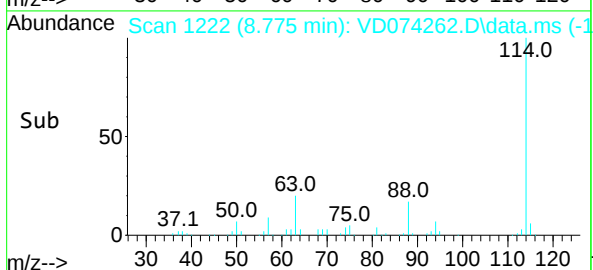
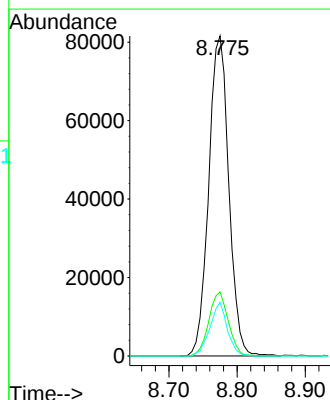
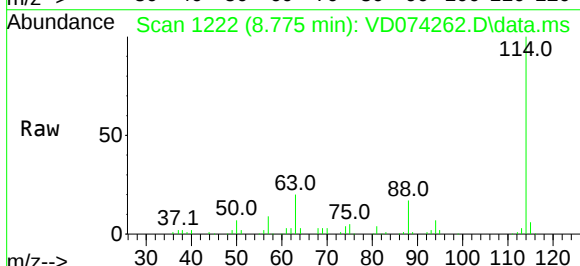
Tgt Ion: 114 Resp: 167259

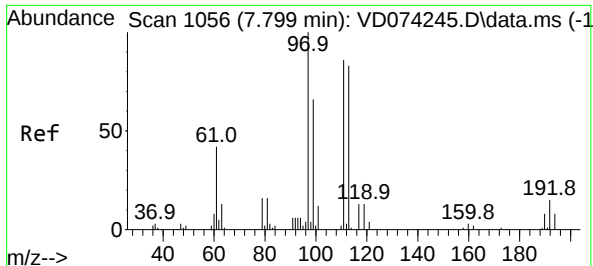
Ion Ratio Lower Upper

114 100

63 20.1 0.0 37.6

88 16.8 0.0 28.4





#35

Dibromofluoromethane

Concen: 53.352 ug/l

RT: 7.804 min Scan# 1057

Delta R.T. 0.005 min

Lab File: VD074262.D

Acq: 13 Sep 2022 12:54

Instrument :

MSVOA_D

ClientSampleId :

VD0913SBL01

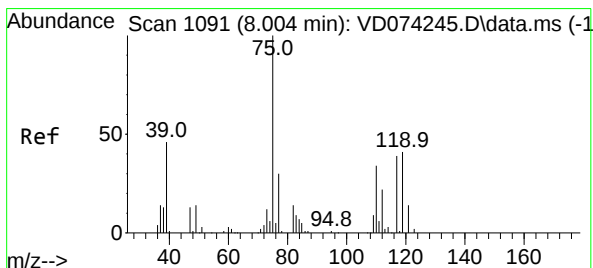
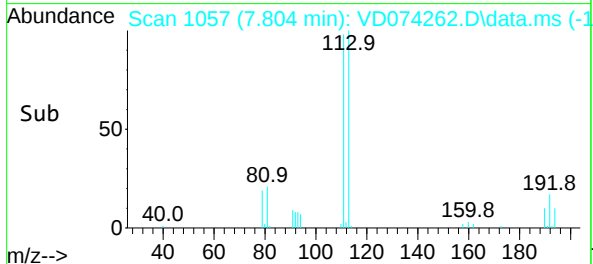
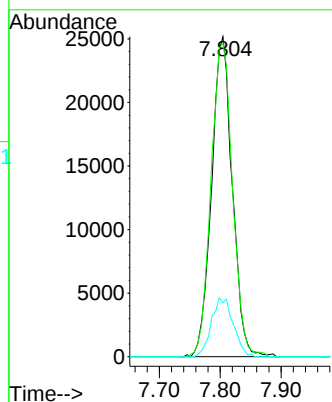
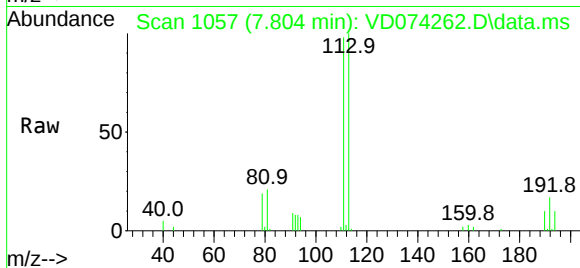
Tgt Ion:113 Resp: 59470

Ion Ratio Lower Upper

113 100

111 102.1 83.0 124.6

192 19.3 16.2 24.2



#36

1,1-Dichloropropene

Concen: 4.325 ug/l

RT: 7.875 min Scan# 1069

Delta R.T. -0.130 min

Lab File: VD074262.D

Acq: 13 Sep 2022 12:54

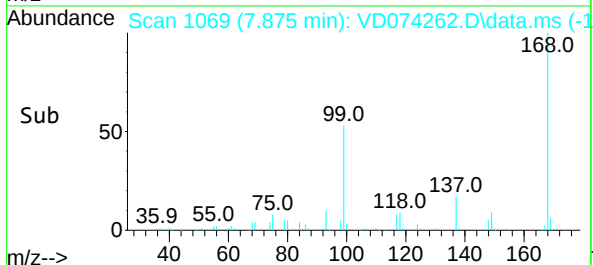
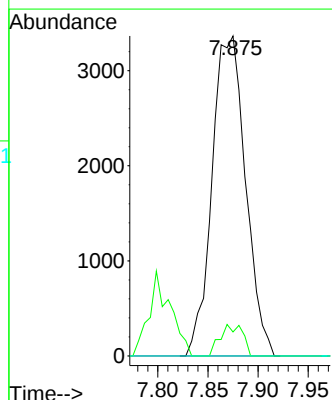
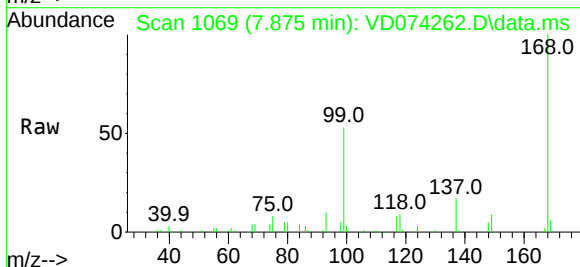
Tgt Ion: 75 Resp: 7829

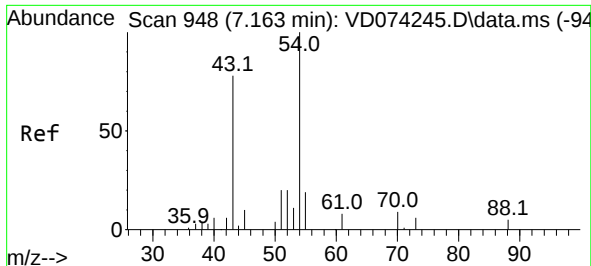
Ion Ratio Lower Upper

75 100

110 6.6 17.5 52.5#

77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 3.393 ug/l

RT: 7.075 min Scan# 91

Delta R.T. -0.088 min

Lab File: VD074262.D

Acq: 13 Sep 2022 12:54

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VD0913SBL01

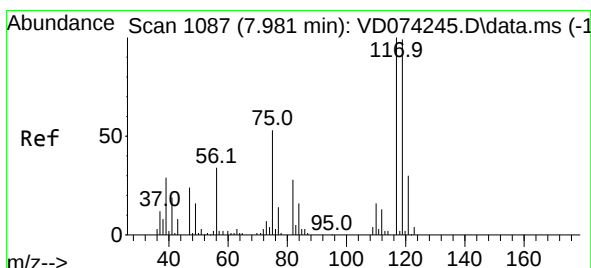
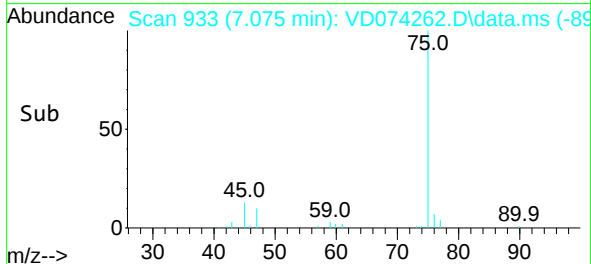
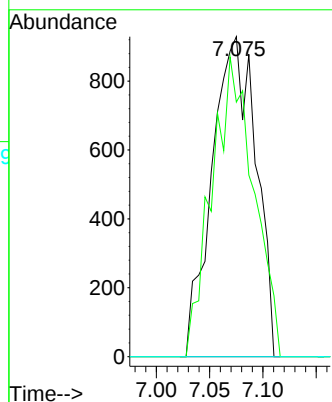
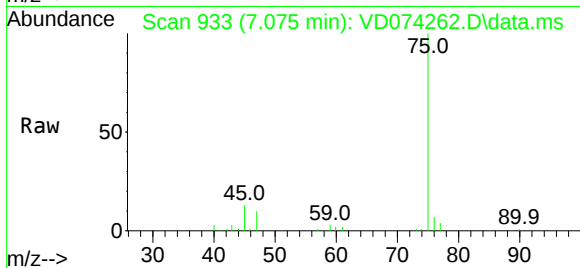
Tgt Ion: 43 Resp: 2664

Ion Ratio Lower Upper

43 100

61 89.0 12.1 18.1#

70 0.0 8.5 12.7#



#38

Carbon Tetrachloride

Concen: 5.799 ug/l

RT: 7.869 min Scan# 1068

Delta R.T. -0.112 min

Lab File: VD074262.D

Acq: 13 Sep 2022 12:54

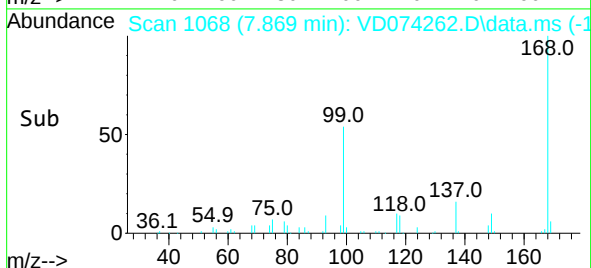
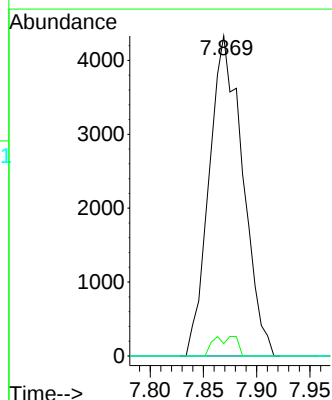
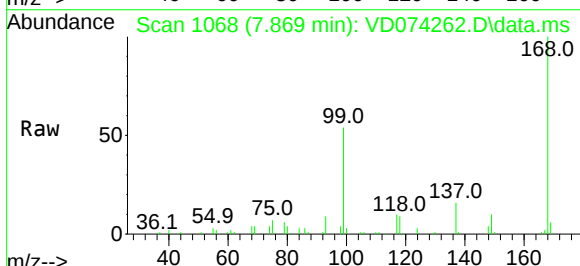
Tgt Ion: 117 Resp: 9498

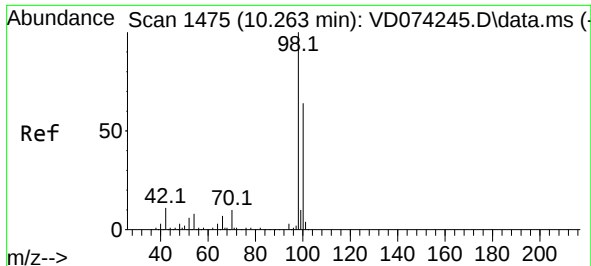
Ion Ratio Lower Upper

117 100

119 3.8 78.8 118.2#

121 0.0 23.9 35.9#

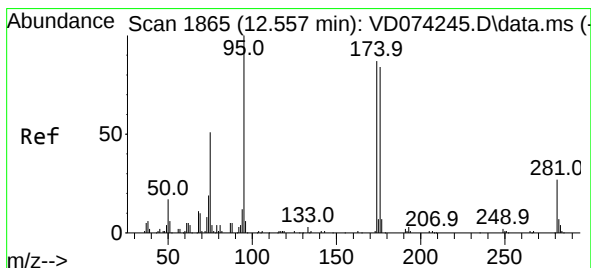
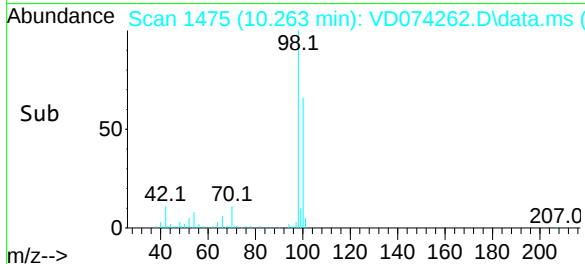
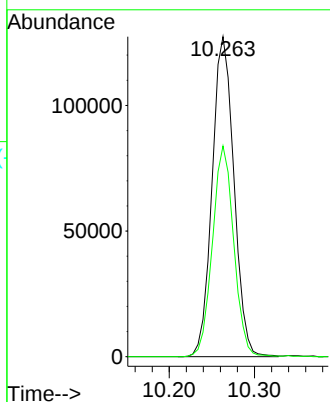
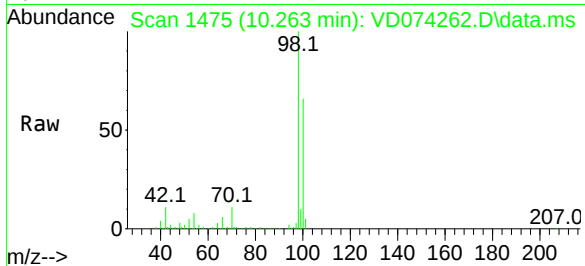




#50
Toluene-d8
Concen: 55.188 ug/l
RT: 10.263 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VD074262.D
Acq: 13 Sep 2022 12:54

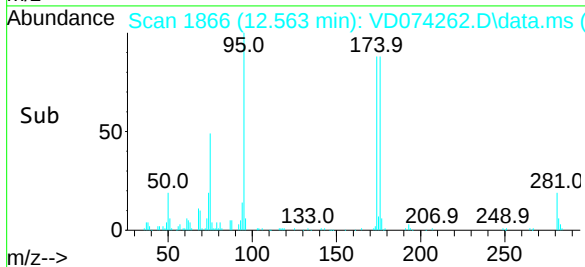
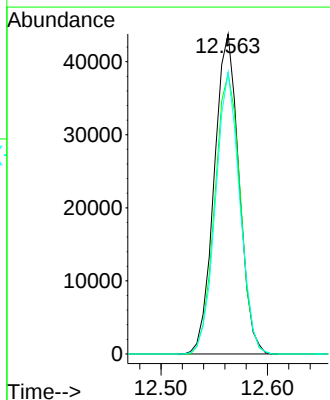
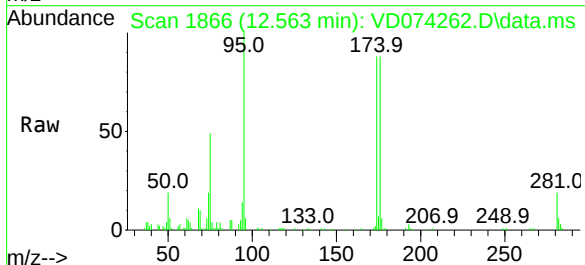
Instrument :
MSVOA_D
ClientSampleId :
VD0913SBL01

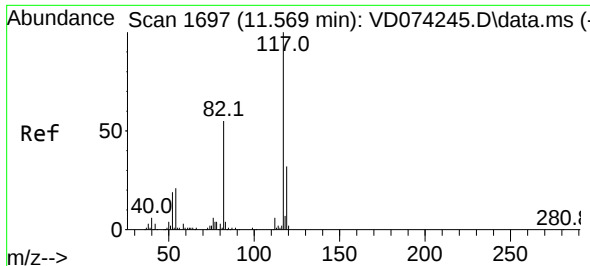
Tgt Ion: 98 Resp: 226272
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 49.253 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.006 min
Lab File: VD074262.D
Acq: 13 Sep 2022 12:54

Tgt Ion: 95 Resp: 70674
Ion Ratio Lower Upper
95 100
174 89.6 0.0 179.2
176 86.0 0.0 171.4

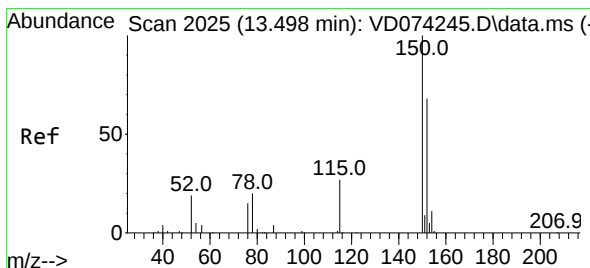
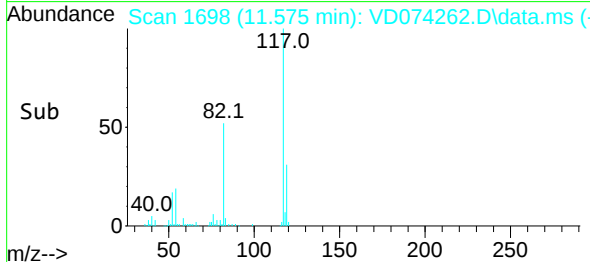
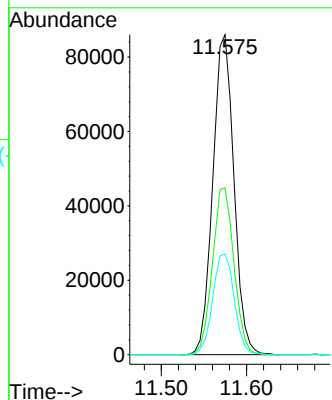
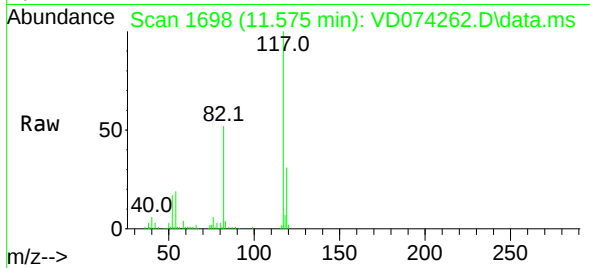




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.575 min Scan# 1
Delta R.T. 0.006 min
Lab File: VD074262.D
Acq: 13 Sep 2022 12:54

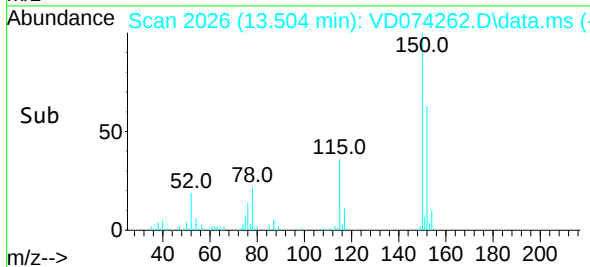
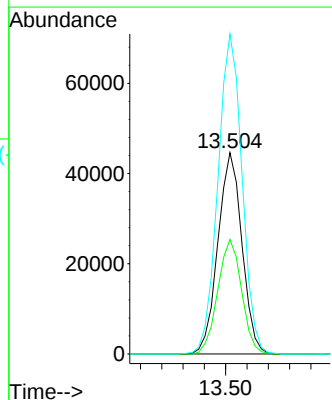
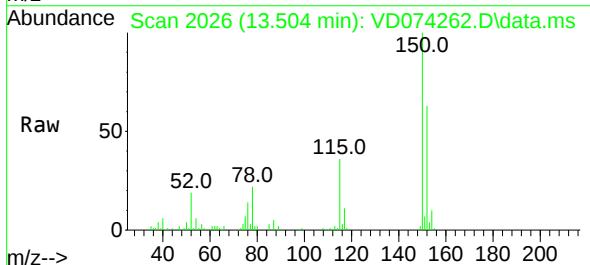
Instrument :
MSVOA_D
ClientSampleId :
VD0913SBL01

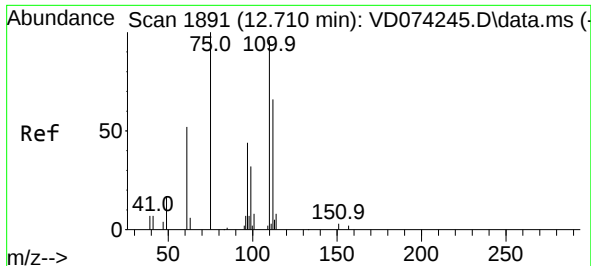
Tgt Ion:117 Resp: 148060
Ion Ratio Lower Upper
117 100
82 52.1 44.2 66.2
119 31.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.504 min Scan# 2026
Delta R.T. 0.006 min
Lab File: VD074262.D
Acq: 13 Sep 2022 12:54

Tgt Ion:152 Resp: 69815
Ion Ratio Lower Upper
152 100
115 56.2 28.4 85.2
150 159.6 0.0 351.0

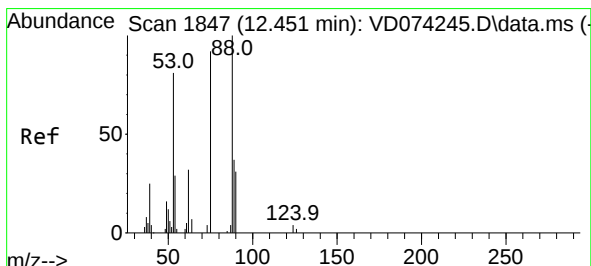
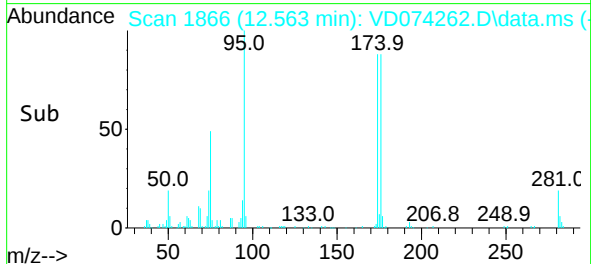
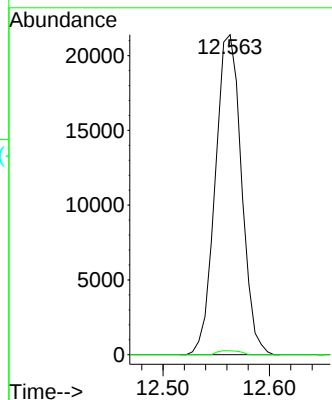
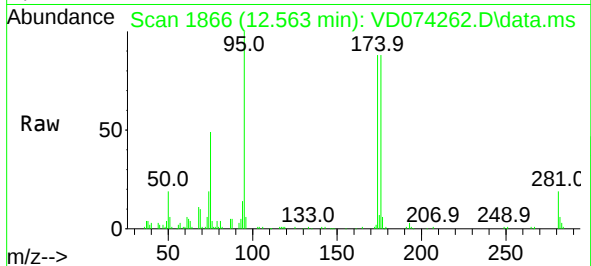




#76
1,2,3-Trichloropropane
Concen: 51.032 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. -0.147 min
Lab File: VD074262.D
Acq: 13 Sep 2022 12:54

Instrument :
MSVOA_D
ClientSampleId :
VD0913SBL01

Tgt Ion: 75 Resp: 36524
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.822 ug/l
RT: 12.563 min Scan# 1866
Delta R.T. 0.112 min
Lab File: VD074262.D
Acq: 13 Sep 2022 12:54

Tgt Ion: 75 Resp: 36524
Ion Ratio Lower Upper
75 100
53 0.0 0.0 0.0
89 0.0 0.0 0.0

