

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD082422\
 Data File : VD074214.D
 Acq On : 24 Aug 2022 10:47
 Operator : VA/SY
 Sample : VD0824SBL01
 Misc : 5.00G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VD0824SBL01

Quant Time: Aug 25 05:01:57 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)

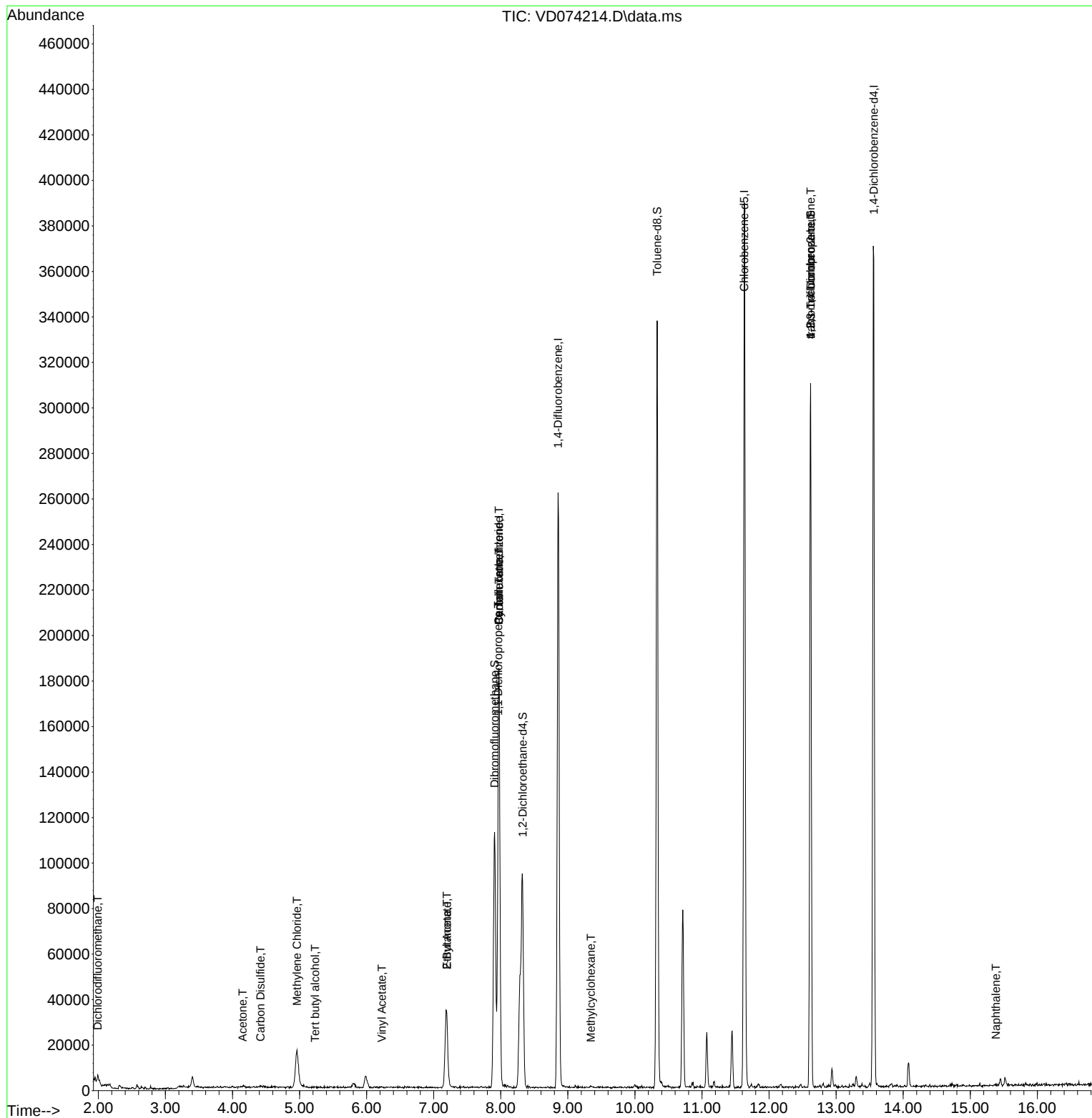
Internal Standards						
1) Pentafluorobenzene	7.973	168	132915	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.855	114	224261	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	220132	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	101868	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	70848	52.164	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 104.320%	
35) Dibromofluoromethane	7.908	113	82147	54.763	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.520%	
50) Toluene-d8	10.332	98	224757	46.555	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 93.120%	
62) 4-Bromofluorobenzene	12.620	95	93032	48.778	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 97.560%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.991	85	2918	2.616	ug/l	97
11) Tert butyl alcohol	5.232	59	191	2.258	ug/l #	74
16) Acetone	4.150	43	620	2.396	ug/l #	47
17) Carbon Disulfide	4.420	76	579	2.144	ug/l #	74
18) Methyl Acetate	4.926	43	210	Below Cal	#	55
20) Methylene Chloride	4.961	84	12700	2.163	ug/l #	82
23) Vinyl Acetate	6.226	43	57	10.096	ug/l #	75
25) 2-Butanone	7.196	43	2058	5.138	ug/l #	6
31) Cyclohexane	7.973	56	3264	1.350	ug/l #	6
36) 1,1-Dichloropropene	7.961	75	10904	4.809	ug/l #	52
37) Ethyl Acetate	7.196	43	2058	2.302	ug/l #	1
38) Carbon Tetrachloride	7.973	117	14001	5.749	ug/l #	17
39) Methylcyclohexane	9.343	83	598	2.414	ug/l #	54
76) 1,2,3-Trichloropropane	12.620	75	45639	45.884	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.620	75	45639	117.997	ug/l #	7
95) Naphthalene	15.384	128	667	3.591	ug/l #	70

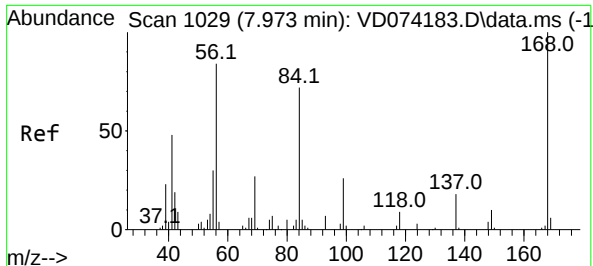
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 4 Sample Multiplier: 1

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VD0824SBL01

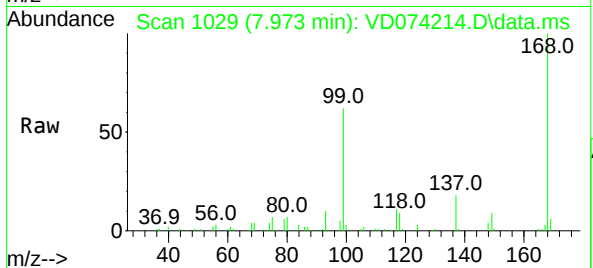
Quant Time: Aug 25 05:01:57 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D082322S.M
Quant Title : SW846 8260
QLast Update : Tue Aug 23 13:12:17 2022
Response via : Initial Calibration



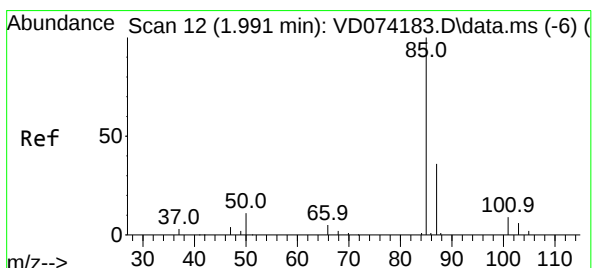
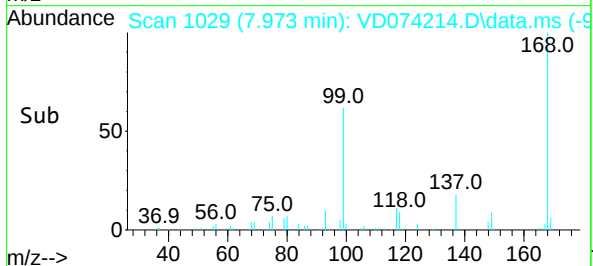
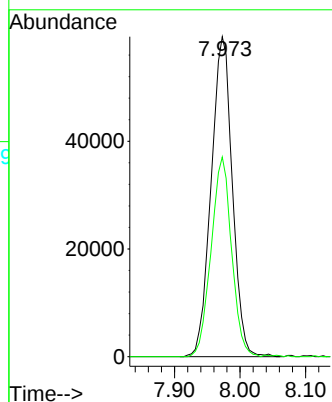


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.000 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBL01

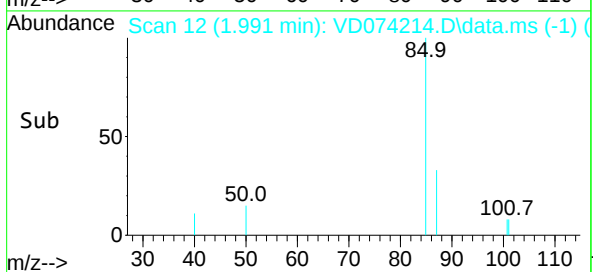
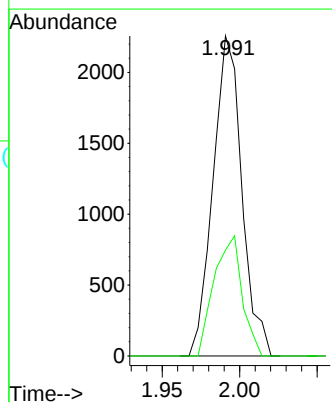
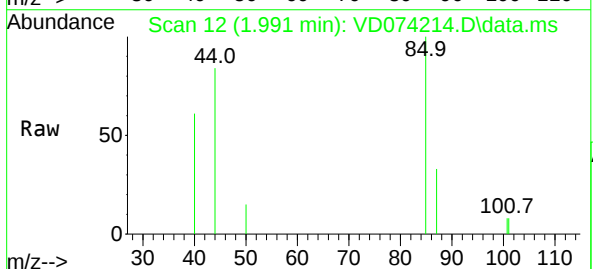


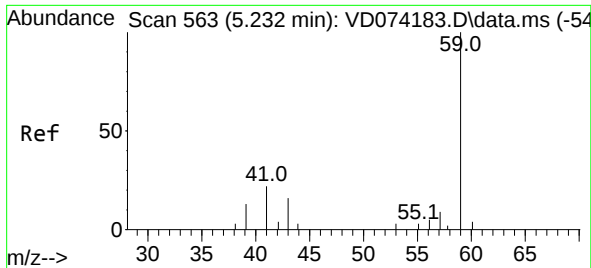
Tgt Ion:168 Resp: 132915
Ion Ratio Lower Upper
168 100
99 62.4 49.8 74.6



#2
Dichlorodifluoromethane
Concen: 2.616 ug/l
RT: 1.991 min Scan# 12
Delta R.T. -0.000 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

Tgt Ion: 85 Resp: 2918
Ion Ratio Lower Upper
85 100
87 33.1 15.7 47.0

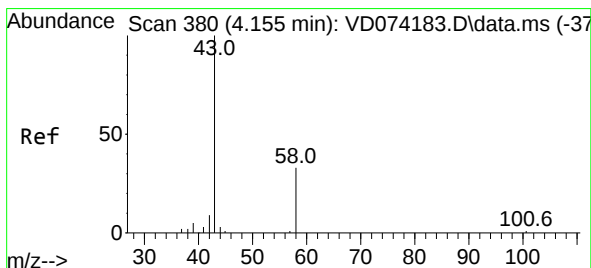
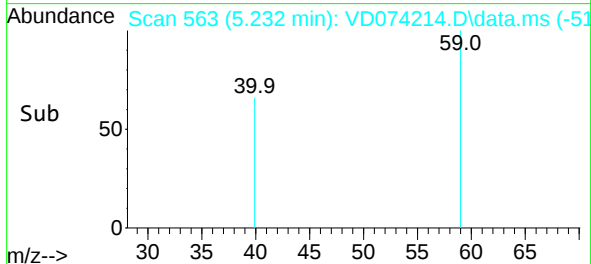
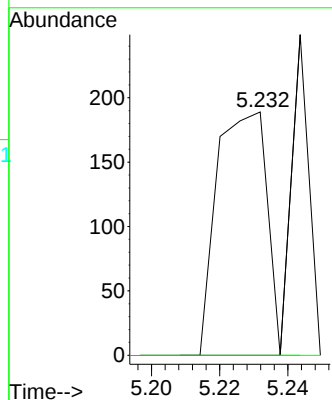
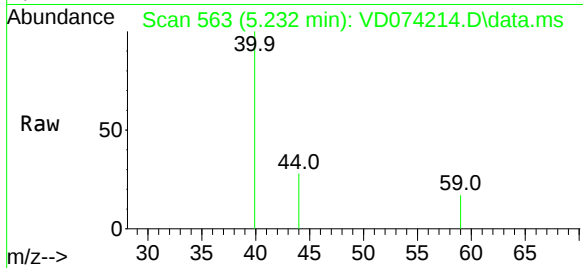




#11
Tert butyl alcohol
Concen: 2.258 ug/l
RT: 5.232 min Scan# 50
Delta R.T. -0.000 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

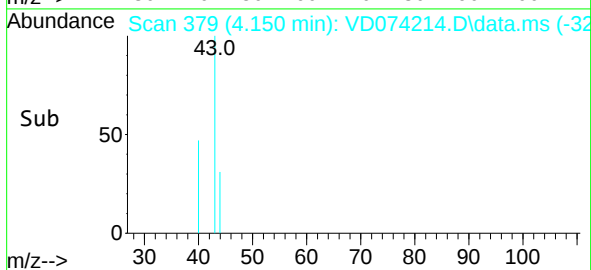
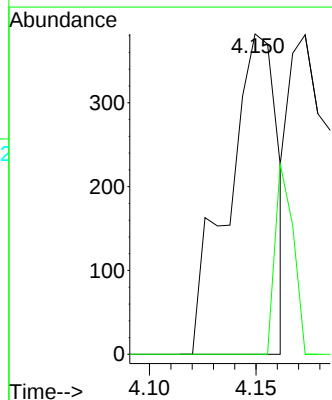
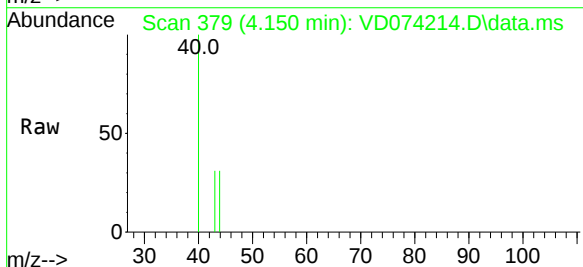
Instrument :
MSVOA_D
ClientSampleId :
VD0824SBL01

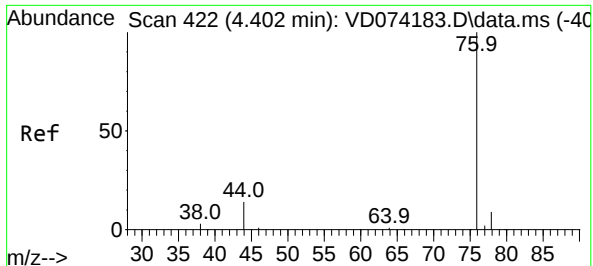
Tgt Ion: 59 Resp: 191
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#16
Acetone
Concen: 2.396 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.005 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

Tgt Ion: 43 Resp: 620
Ion Ratio Lower Upper
43 100
58 0.0 22.1 33.1#

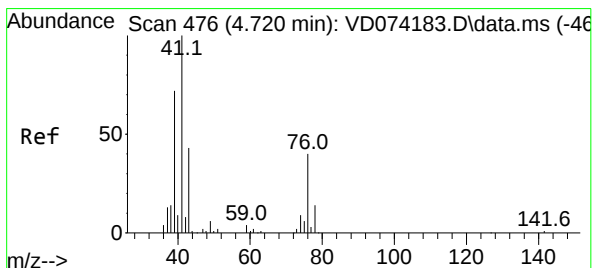
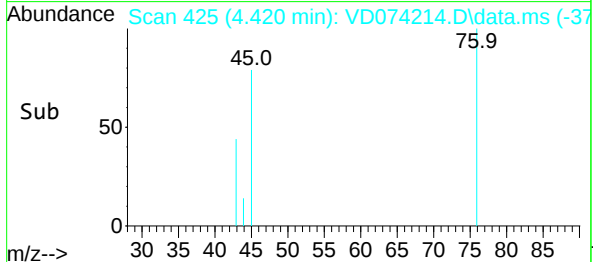
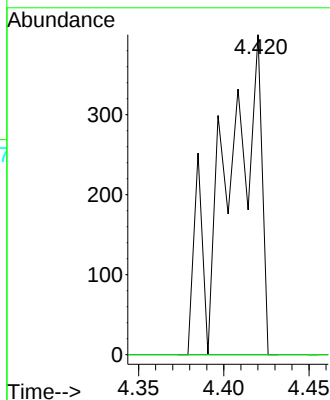
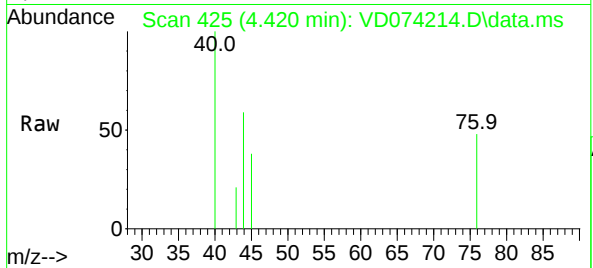




#17
Carbon Disulfide
Concen: 2.144 ug/l
RT: 4.420 min Scan# 41
Delta R.T. 0.018 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

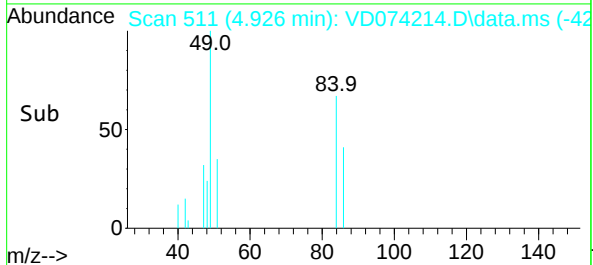
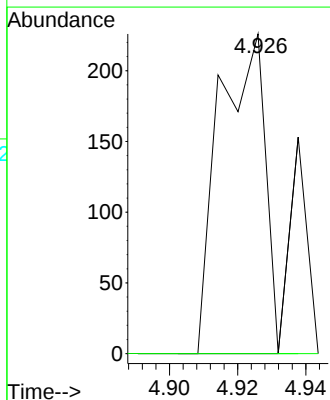
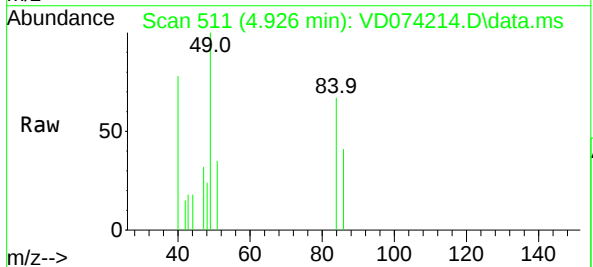
Instrument :
MSVOA_D
ClientSampleId :
VD0824SBL01

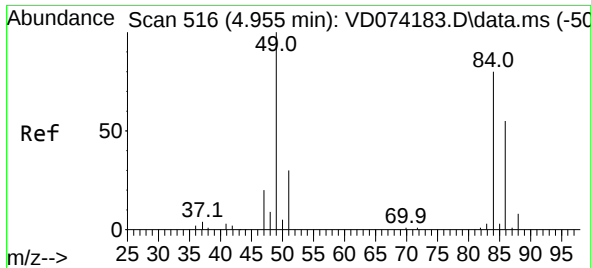
Tgt Ion: 76 Resp: 579
Ion Ratio Lower Upper
76 100
78 0.0 7.5 11.3#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.926 min Scan# 511
Delta R.T. 0.206 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
74 0.0 16.7 25.1#

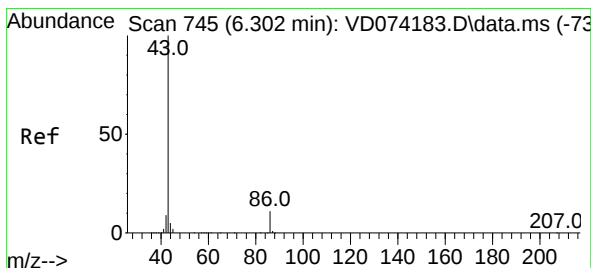
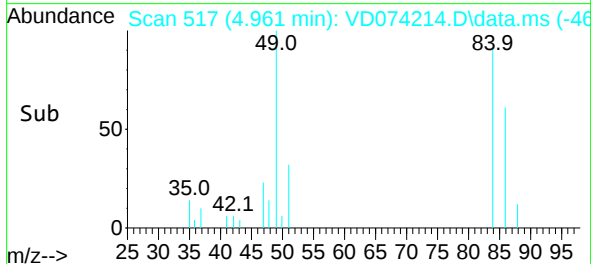
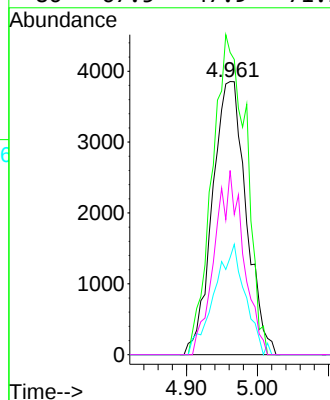
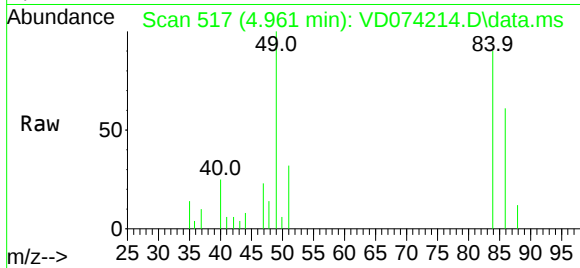




#20
Methylene Chloride
Concen: 2.163 ug/l
RT: 4.961 min Scan# 516
Delta R.T. 0.006 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

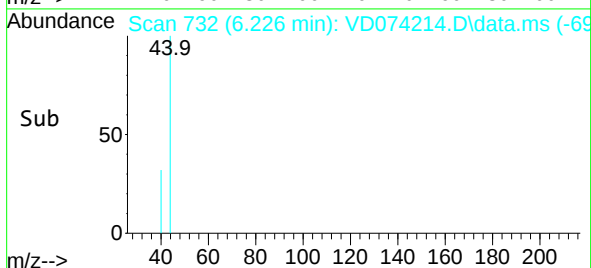
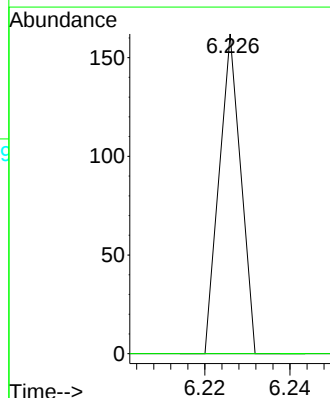
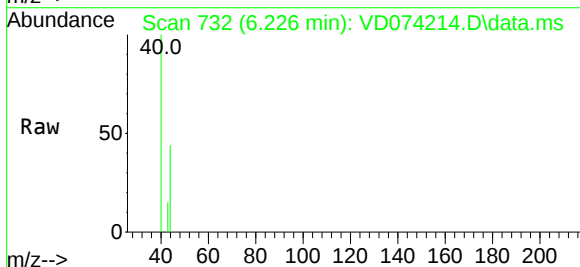
Instrument :
MSVOA_D
ClientSampleId :
VD0824SBL01

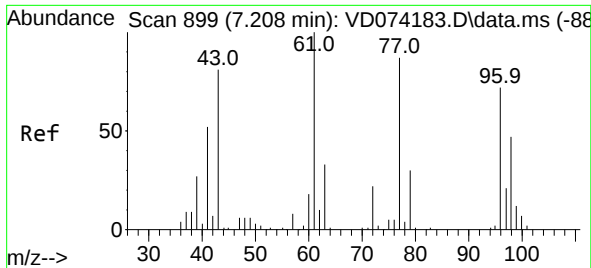
Tgt Ion: 84	Resp: 12700
Ion Ratio	Lower Upper
84 100	
49 110.7	112.8 169.2#
51 35.6	32.6 48.8
86 67.5	47.9 71.9



#23
Vinyl Acetate
Concen: 10.096 ug/l
RT: 6.226 min Scan# 732
Delta R.T. -0.076 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

Tgt Ion: 43	Resp: 57		
Ion Ratio	Lower	Upper	
43 100			
86 0.0	7.1	10.7#	

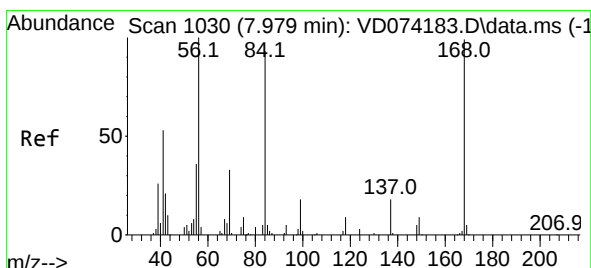
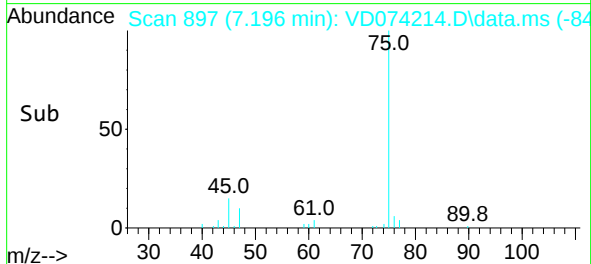
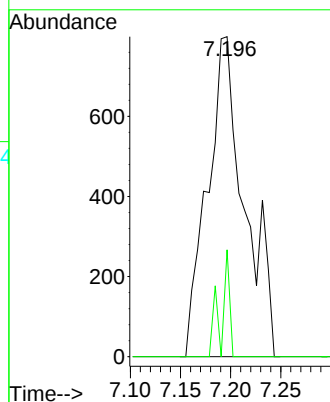
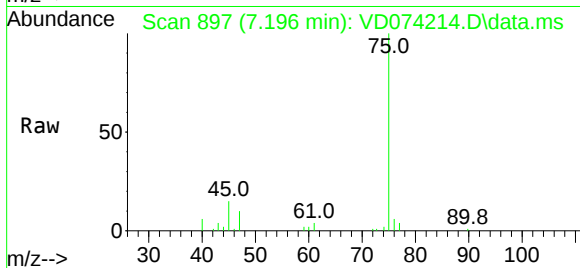




#25
2-Butanone
Concen: 5.138 ug/l
RT: 7.196 min Scan# 899
Delta R.T. -0.012 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

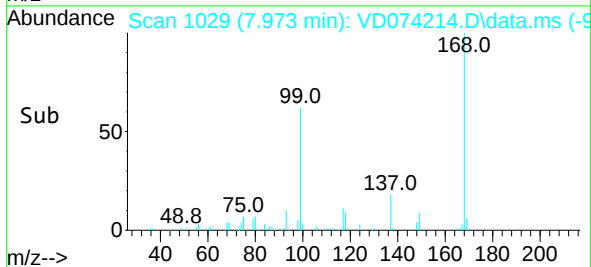
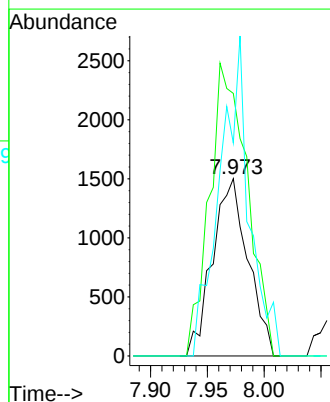
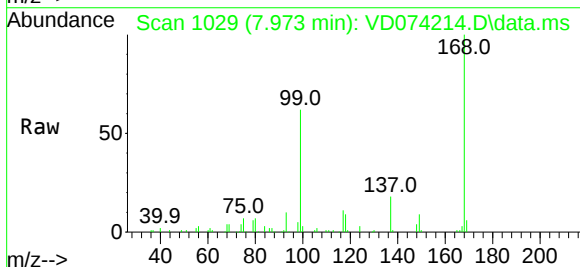
Instrument :
MSVOA_D
ClientSampleId :
VD0824SBL01

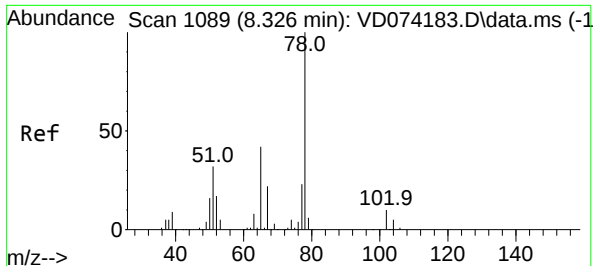
Tgt Ion: 43 Resp: 2058
Ion Ratio Lower Upper
43 100
72 68.7 18.6 27.8#



#31
Cyclohexane
Concen: 1.350 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

Tgt Ion: 56 Resp: 3264
Ion Ratio Lower Upper
56 100
69 148.0 25.4 38.2#
84 120.1 63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 52.164 ug/l

RT: 8.326 min Scan# 1107

Delta R.T. -0.000 min

Lab File: VD074214.D

Acq: 24 Aug 2022 10:47

Instrument :

MSVOA_D

ClientSampleId :

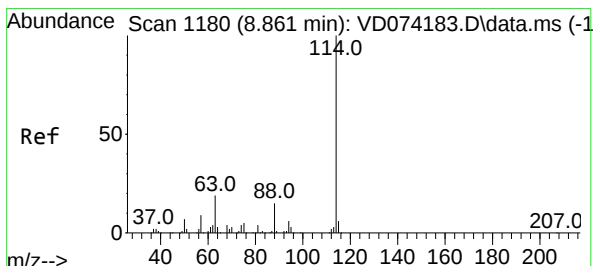
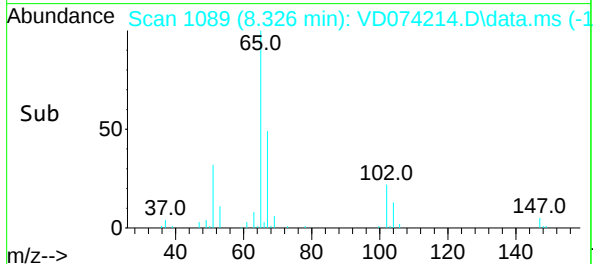
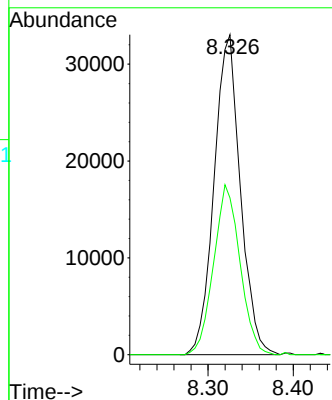
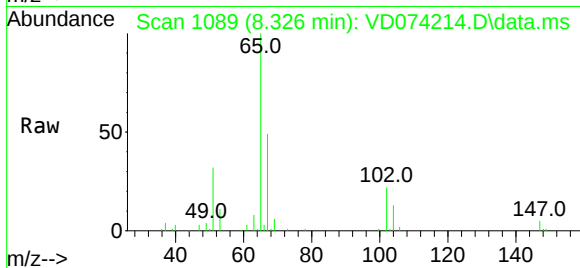
VD0824SBL01

Tgt Ion: 65 Resp: 70848

Ion Ratio Lower Upper

65 100

67 53.3 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: VD074214.D

Acq: 24 Aug 2022 10:47

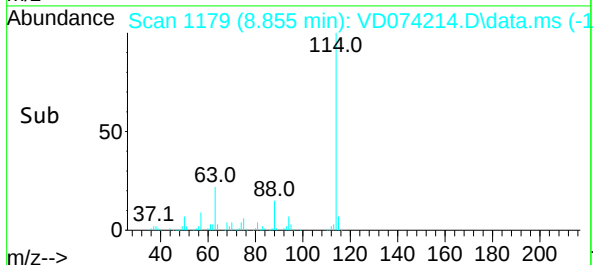
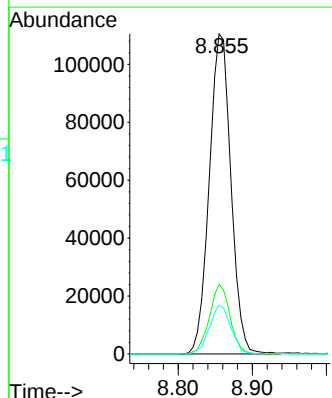
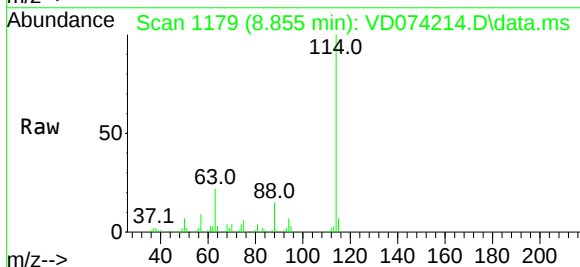
Tgt Ion: 114 Resp: 224261

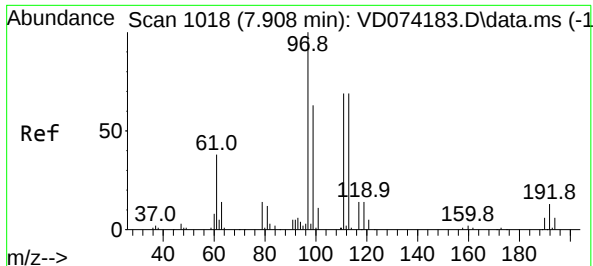
Ion Ratio Lower Upper

114 100

63 21.7 0.0 46.6

88 15.3 0.0 33.2

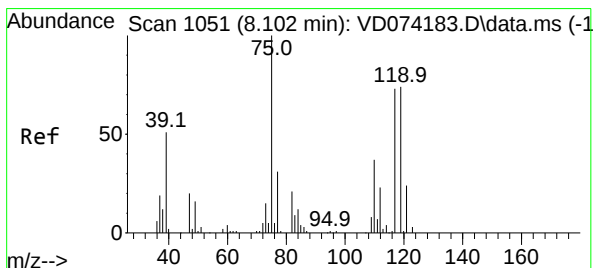
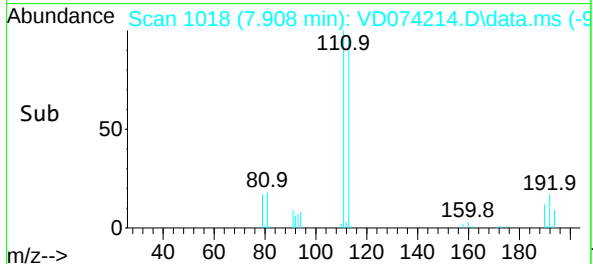
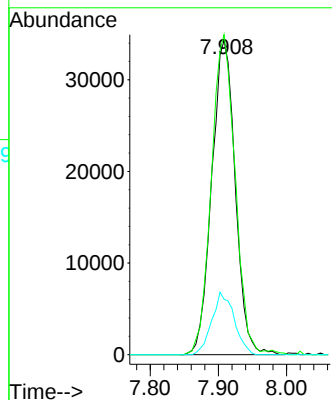
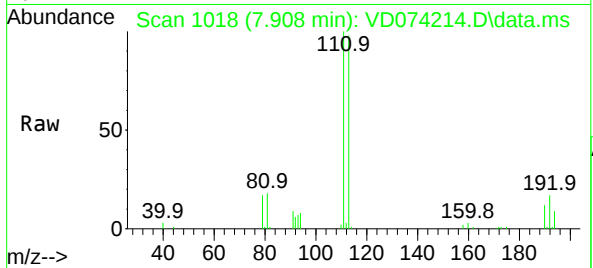




#35
Dibromofluoromethane
Concen: 54.763 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

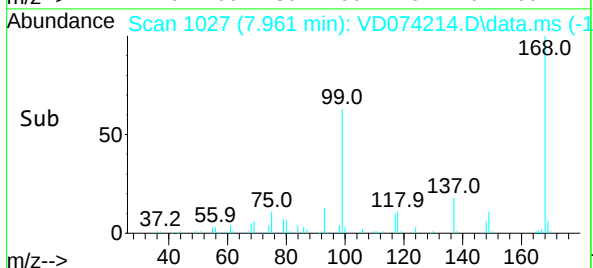
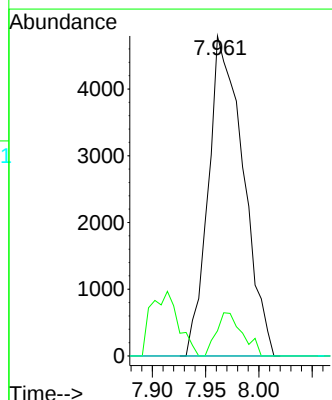
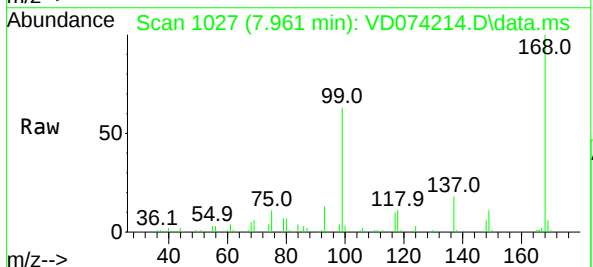
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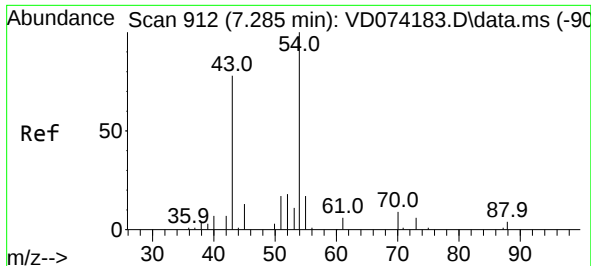
Tgt Ion:113 Resp: 82147
Ion Ratio Lower Upper
113 100
111 103.0 83.8 125.6
192 19.0 14.6 21.8



#36
1,1-Dichloropropene
Concen: 4.809 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.141 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

Tgt Ion: 75 Resp: 10904
Ion Ratio Lower Upper
75 100
110 10.1 16.4 49.1#
77 0.0 24.2 36.2#





#37

Ethyl Acetate

Concen: 2.302 ug/l

RT: 7.196 min Scan# 897

Delta R.T. -0.089 min

Lab File: VD074214.D

Acq: 24 Aug 2022 10:47

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBL01

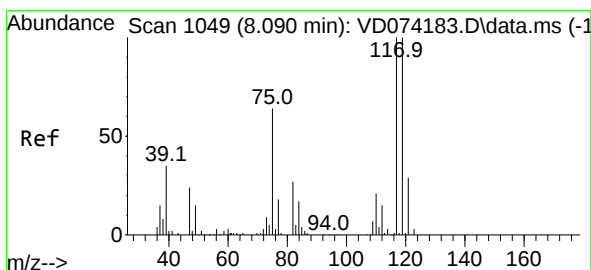
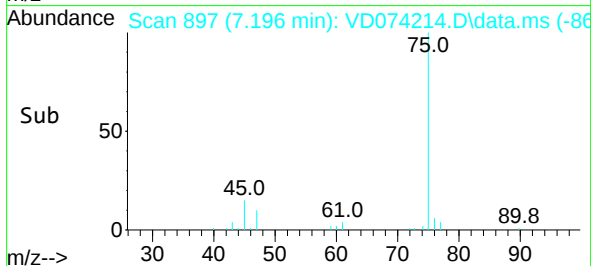
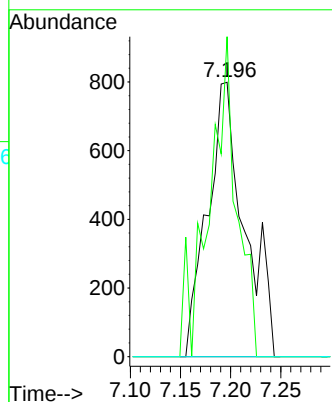
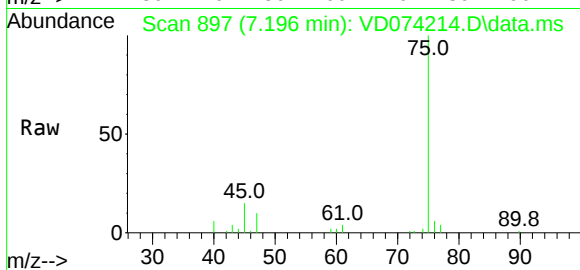
Tgt Ion: 43 Resp: 2058

Ion Ratio Lower Upper

43 100

61 87.0 9.8 14.8#

70 0.0 6.9 10.3#



#38

Carbon Tetrachloride

Concen: 5.749 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. -0.117 min

Lab File: VD074214.D

Acq: 24 Aug 2022 10:47

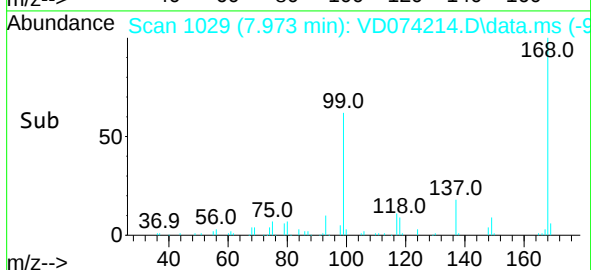
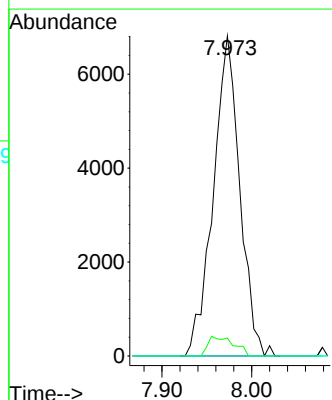
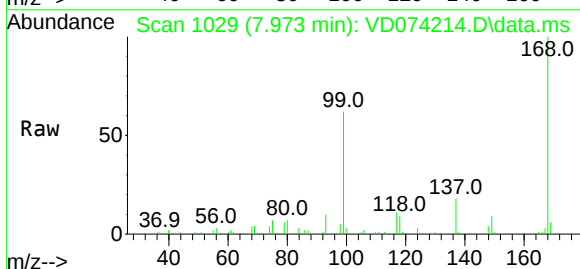
Tgt Ion: 117 Resp: 14001

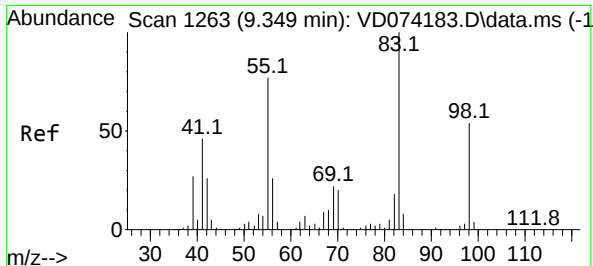
Ion Ratio Lower Upper

117 100

119 5.6 75.8 113.6#

121 0.0 24.5 36.7#





#39

Methylcyclohexane

Concen: 2.414 ug/l

RT: 9.343 min Scan# 11

Delta R.T. -0.006 min

Lab File: VD074214.D

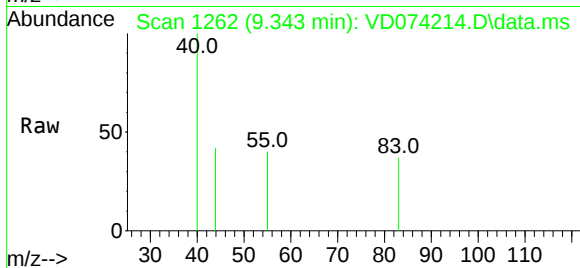
Acq: 24 Aug 2022 10:47

Instrument :

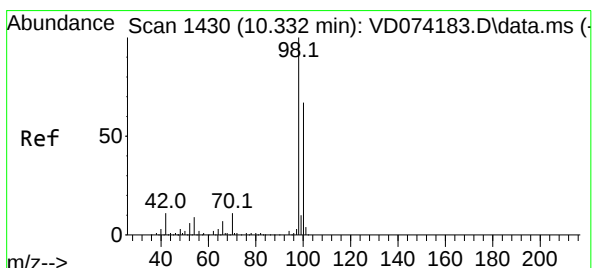
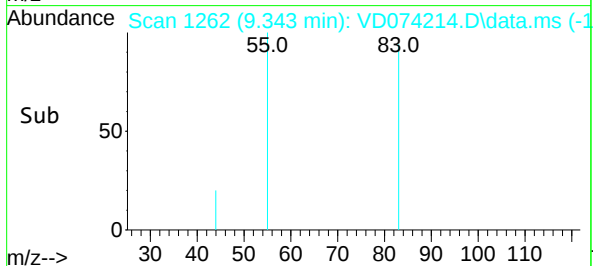
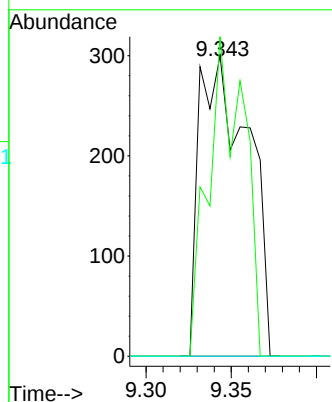
MSVOA_D

ClientSampleId :

VD0824SBL01



Tgt Ion: 83	Resp: 598
Ion Ratio	Lower Upper
83	100
55	106.3 63.2 94.8#
98	0.0 38.2 57.4#



#50

Toluene-d8

Concen: 46.555 ug/l

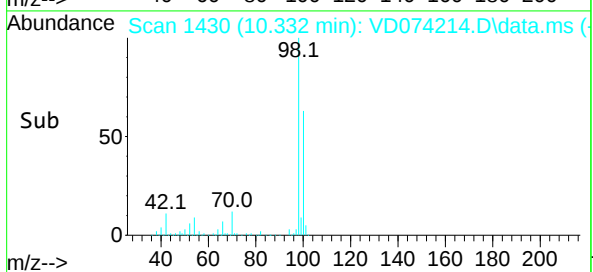
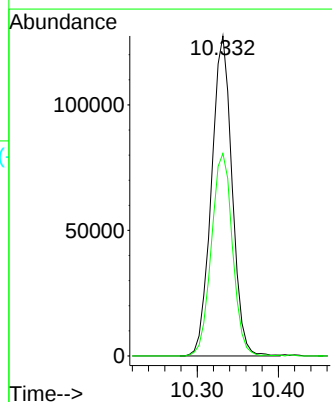
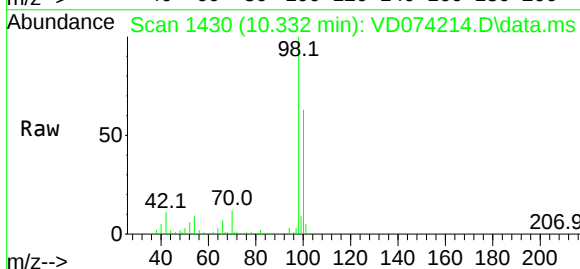
RT: 10.332 min Scan# 1430

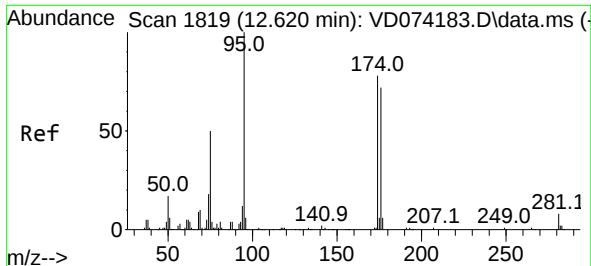
Delta R.T. -0.000 min

Lab File: VD074214.D

Acq: 24 Aug 2022 10:47

Tgt Ion: 98	Resp: 224757
Ion Ratio	Lower Upper
98	100
100	64.7 52.4 78.6

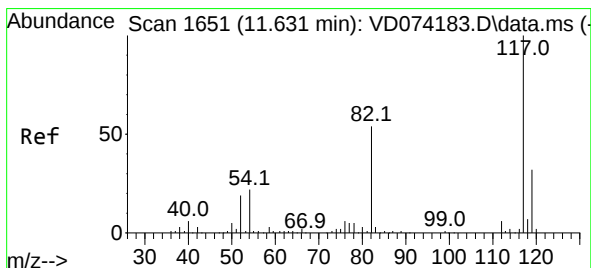
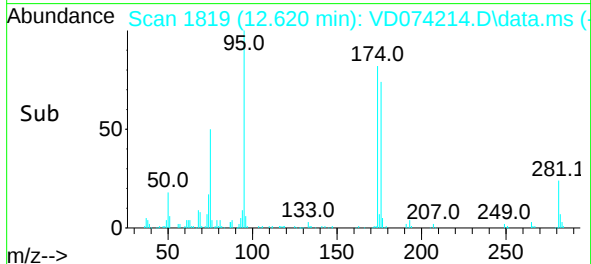
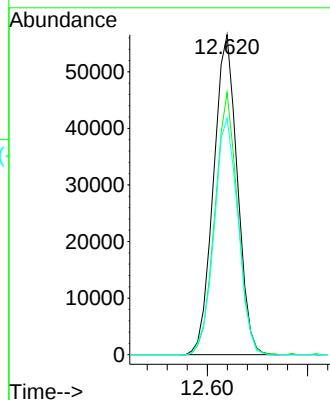
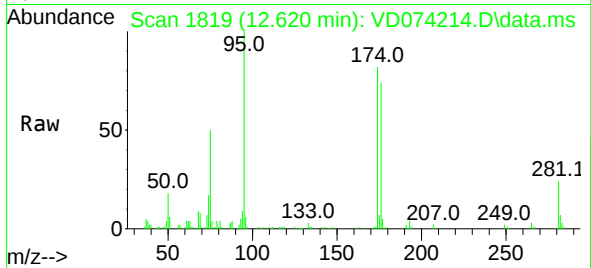




#62
4-Bromofluorobenzene
Concen: 48.778 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

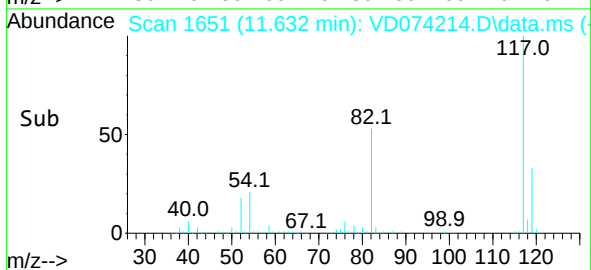
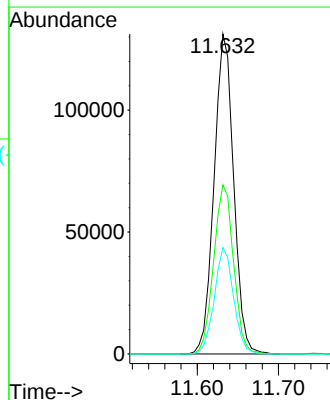
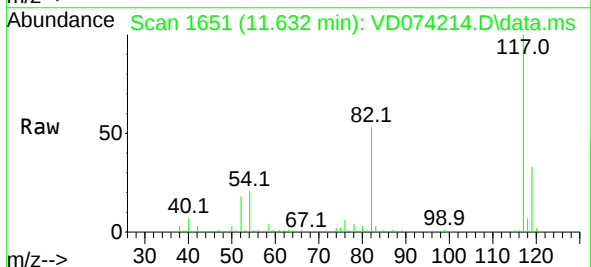
Instrument :
MSVOA_D
ClientSampleId :
VD0824SBL01

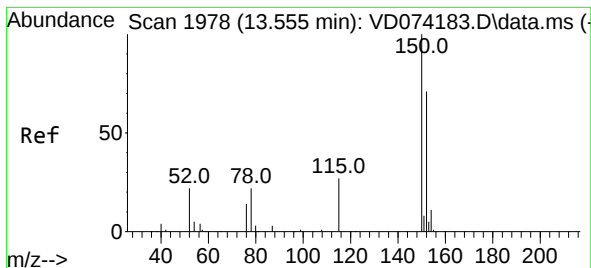
Tgt Ion:	95	Resp:	93032
Ion	Ratio	Lower	Upper
95	100		
174	78.8	0.0	152.8
176	74.2	0.0	145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. 0.001 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

Tgt Ion:	117	Resp:	220132
Ion	Ratio	Lower	Upper
117	100		
82	52.9	45.3	67.9
119	33.2	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: VD074214.D

Acq: 24 Aug 2022 10:47

Instrument :

MSVOA_D

ClientSampleId :

VD0824SBL01

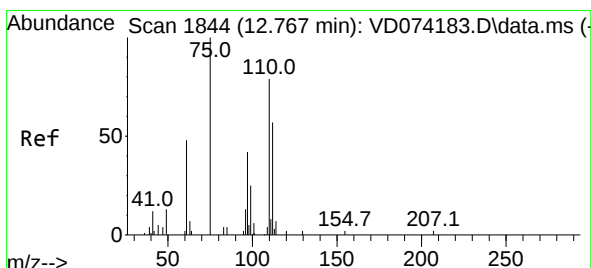
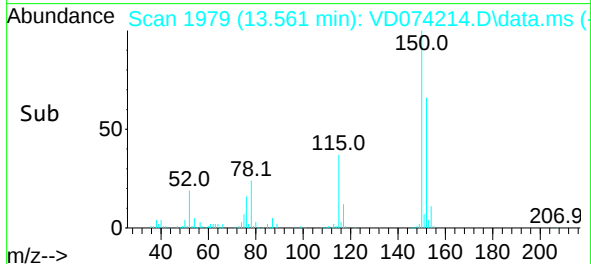
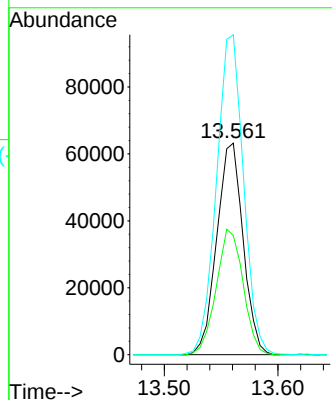
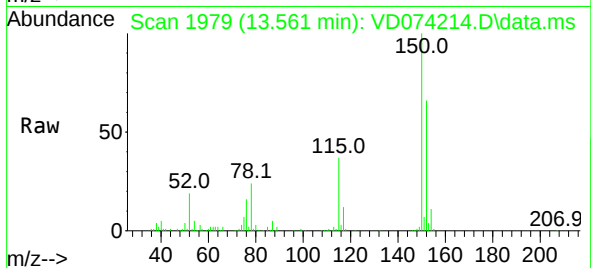
Tgt Ion:152 Resp: 101868

Ion Ratio Lower Upper

152 100

115 60.4 31.3 93.8

150 155.5 0.0 348.6



#76

1,2,3-Trichloropropane

Concen: 45.884 ug/l

RT: 12.620 min Scan# 1819

Delta R.T. -0.147 min

Lab File: VD074214.D

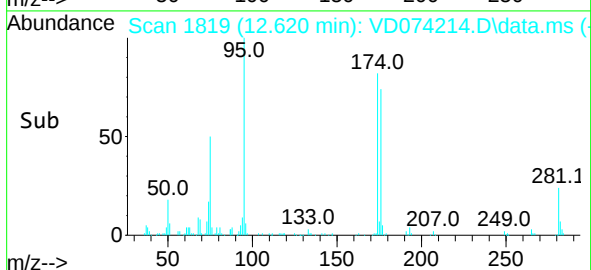
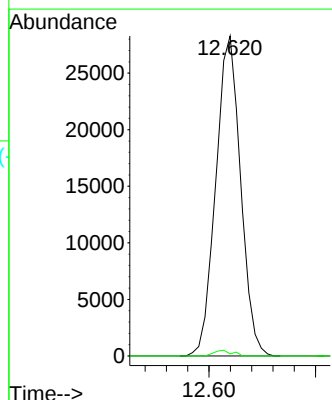
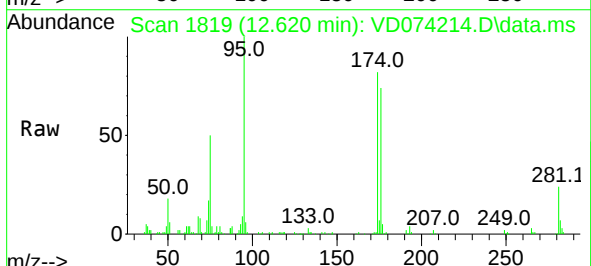
Acq: 24 Aug 2022 10:47

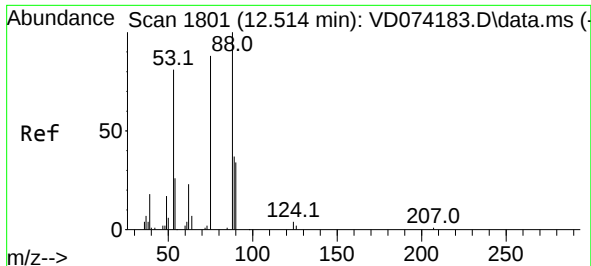
Tgt Ion: 75 Resp: 45639

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#

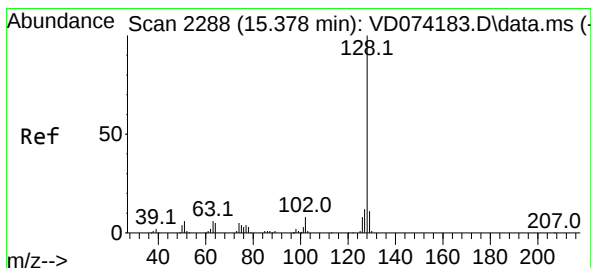
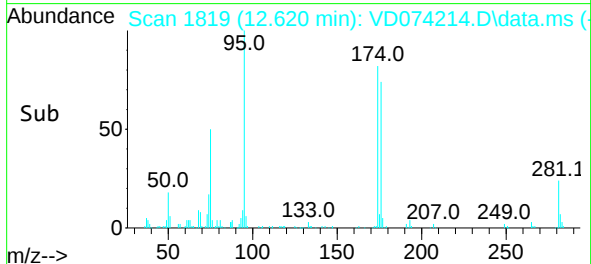
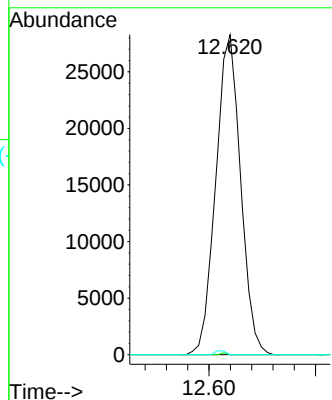
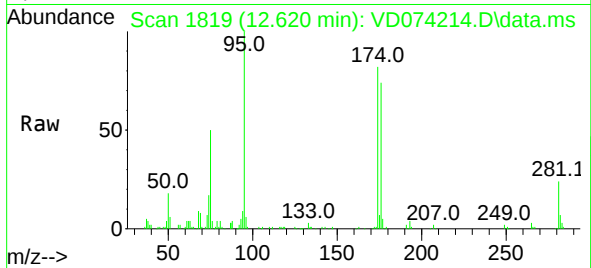




#81
trans-1,4-Dichloro-2-butene
Concen: 117.997 ug/l
RT: 12.620 min Scan# 1801
Delta R.T. 0.106 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

Instrument :
MSVOA_D
ClientSampleId :
VD0824SBL01

Tgt Ion: 75 Resp: 45639
Ion Ratio Lower Upper
75 100
53 0.1 86.5 129.7#
89 0.5 33.9 50.9#



#95
Naphthalene
Concen: 3.591 ug/l
RT: 15.384 min Scan# 2289
Delta R.T. 0.006 min
Lab File: VD074214.D
Acq: 24 Aug 2022 10:47

Tgt Ion: 128 Resp: 667
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 0.0 8.4 12.6#

