

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD071922\
 Data File : VD073863.D
 Acq On : 19 Jul 2022 16:10
 Operator : VA/SY
 Sample : N3649-07
 Misc : 7.69G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 A-2-LC

Quant Time: Jul 20 01:22:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 01:56:16 2022
 Response via : Initial Calibration

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

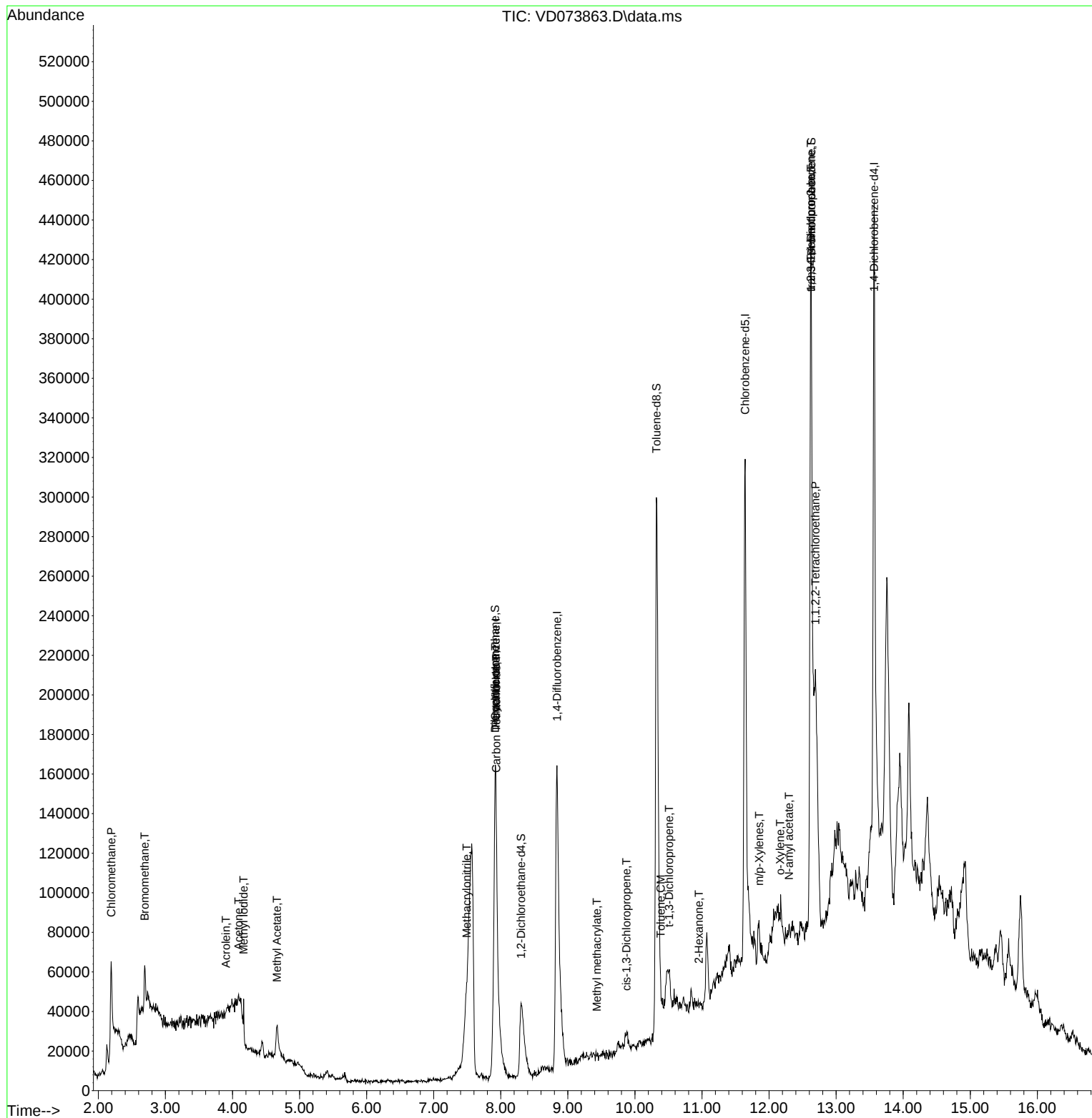
Internal Standards						
1) Pentafluorobenzene	7.926	168	132238	50.000	ug/l	-0.04
34) 1,4-Difluorobenzene	8.838	114	236633	50.000	ug/l	-0.02
63) Chlorobenzene-d5	11.644	117	186090	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.567	152	74799	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.303	65	62299	39.453	ug/l	-0.02
Spiked Amount	50.000	Range	50 - 163	Recovery	=	78.900%
35) Dibromofluoromethane	7.914	113	68783	41.202	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	82.400%
50) Toluene-d8	10.320	98	273575	45.142	ug/l	-0.01
Spiked Amount	50.000	Range	49 - 140	Recovery	=	90.280%
62) 4-Bromofluorobenzene	12.632	95	88892	42.662	ug/l	0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	=	85.320%
Target Compounds						
					Qvalue	
3) Chloromethane	2.191	50	66200	31.696	ug/l	98
5) Bromomethane	2.691	94	18905	9.177	ug/l	93
10) Methyl Iodide	4.167	142	9280	6.229	ug/l	91
11) Tert butyl alcohol	5.203	59	528	Below Cal	#	74
13) Acrolein	3.903	56	356	4.857	ug/l #	14
16) Acetone	4.091	43	1149	4.434	ug/l	91
18) Methyl Acetate	4.662	43	21975	34.925	ug/l #	85
20) Methylene Chloride	4.938	84	510	Below Cal	#	19
31) Cyclohexane	7.920	56	2678	1.067	ug/l #	43
38) Carbon Tetrachloride	7.932	117	13382	4.866	ug/l #	16
41) Methacrylonitrile	7.491	41	1052	1.955	ug/l #	47
48) Methyl methacrylate	9.432	41	914	1.077	ug/l #	47
52) Toluene	10.385	92	4857	1.101	ug/l	88
53) t-1,3-Dichloropropene	10.508	75	9978	4.544	ug/l #	57
54) cis-1,3-Dichloropropene	9.873	75	6890	2.712	ug/l #	55
59) 2-Hexanone	10.955	43	692	1.171	ug/l #	27
68) m/p-Xylenes	11.855	106	6740	2.437	ug/l	77
69) o-Xylene	12.167	106	3623	1.399	ug/l	47
74) N-amyl acetate	12.296	43	2033	1.819	ug/l #	20
75) 1,1,2,2-Tetrachloroethane	12.691	83	42774	43.682	ug/l #	27
76) 1,2,3-Trichloropropane	12.626	75	39804	49.596	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.626	75	39804	133.832	ug/l #	8

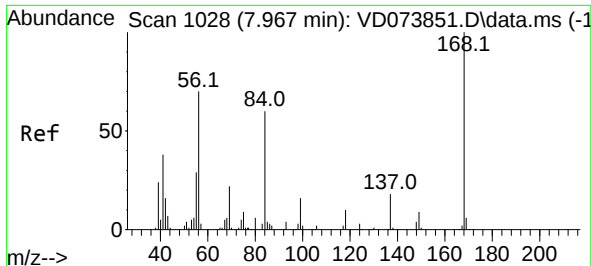
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jul 20 01:22:30 2022
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Quant Title : SW846 8260
QLast Update : Tue Jul 19 01:56:16 2022
Response via : Initial Calibration

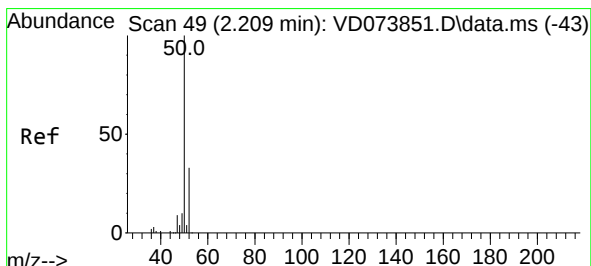
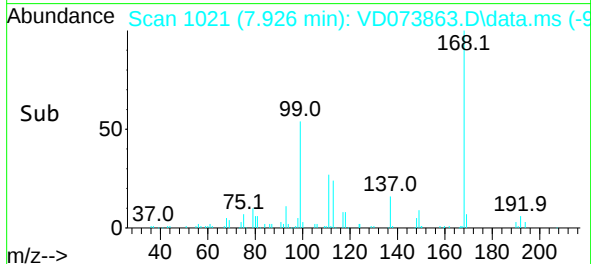
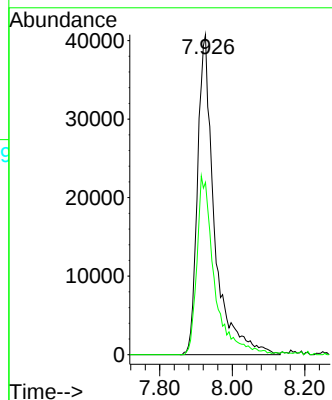
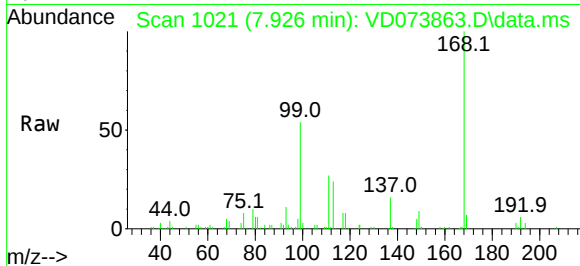




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.926 min Scan# 10
Delta R.T. -0.041 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

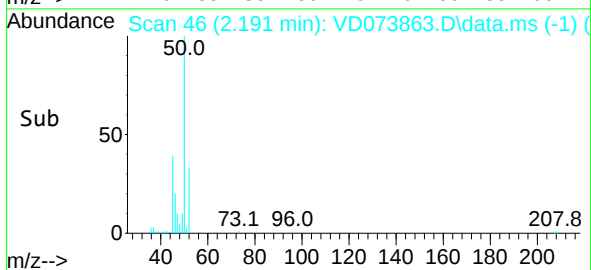
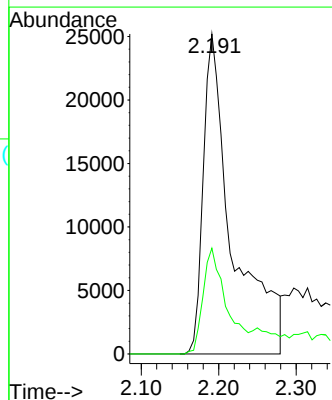
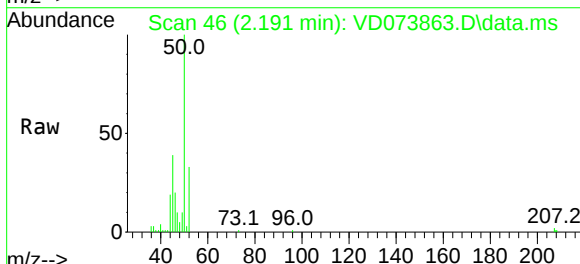
Instrument :
MSVOA_D
ClientSampleId :
A-2-LC

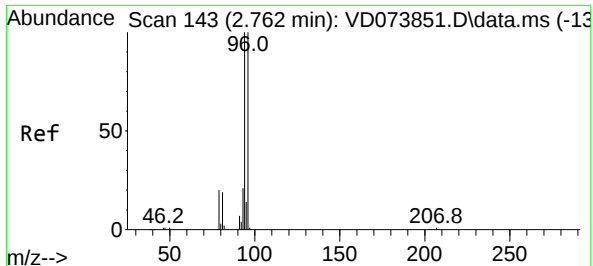
Tgt Ion:168 Resp: 132238
Ion Ratio Lower Upper
168 100
99 53.9 49.8 74.6



#3
Chloromethane
Concen: 31.696 ug/l
RT: 2.191 min Scan# 46
Delta R.T. -0.018 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

Tgt Ion: 50 Resp: 66200
Ion Ratio Lower Upper
50 100
52 33.1 27.4 41.0

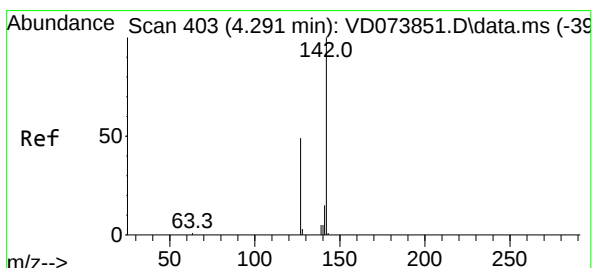
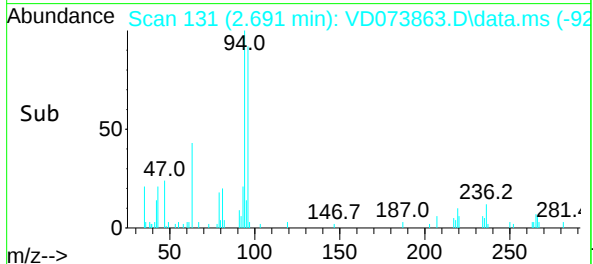
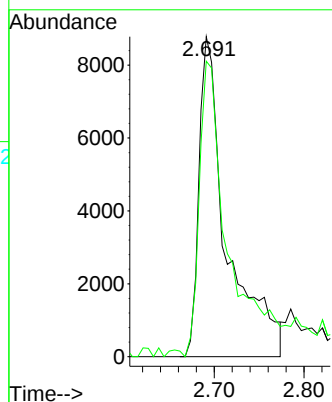
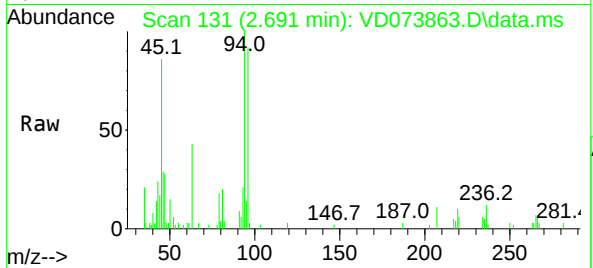




#5
Bromomethane
Concen: 9.177 ug/l
RT: 2.691 min Scan# 11
Delta R.T. -0.071 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

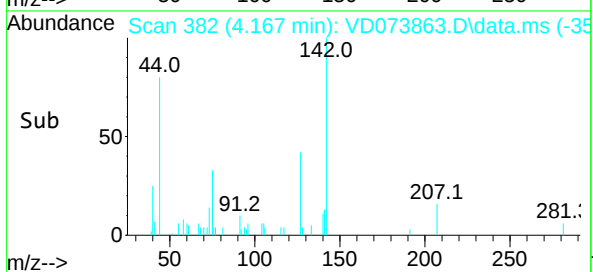
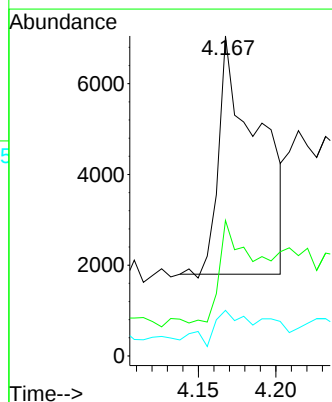
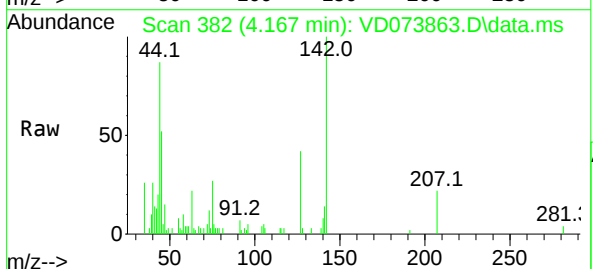
Instrument :
MSVOA_D
ClientSampleId :
A-2-LC

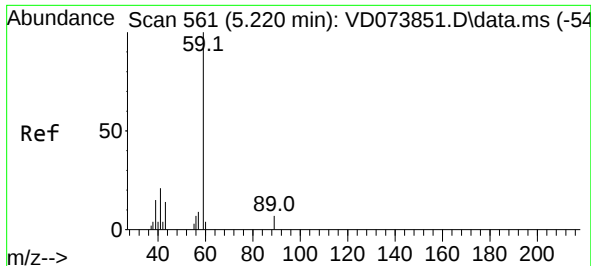
Tgt Ion: 94 Resp: 18905
Ion Ratio Lower Upper
94 100
96 90.6 77.6 116.4



#10
Methyl Iodide
Concen: 6.229 ug/l
RT: 4.167 min Scan# 382
Delta R.T. -0.124 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

Tgt Ion:142 Resp: 9280
Ion Ratio Lower Upper
142 100
127 39.8 37.3 55.9
141 11.7 11.7 17.5

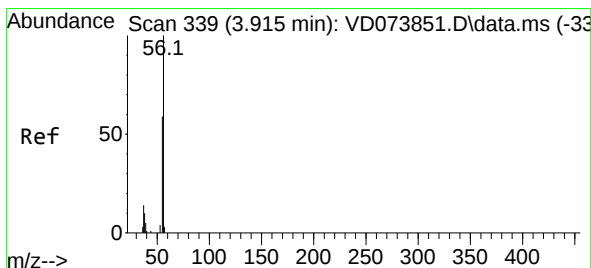
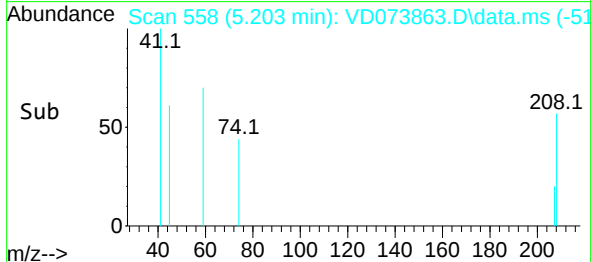
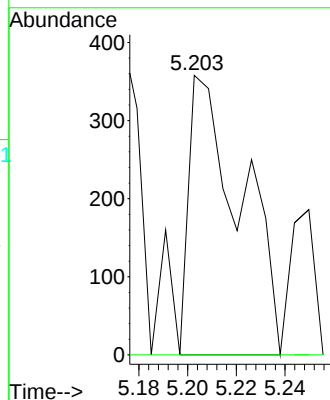
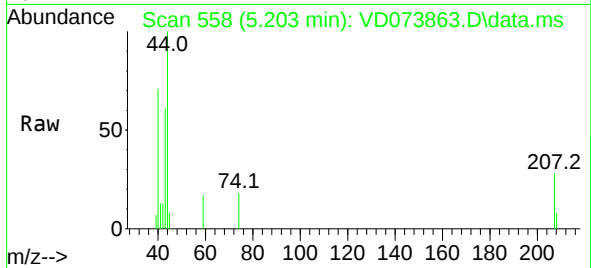




#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.203 min Scan# 511
Delta R.T. -0.017 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

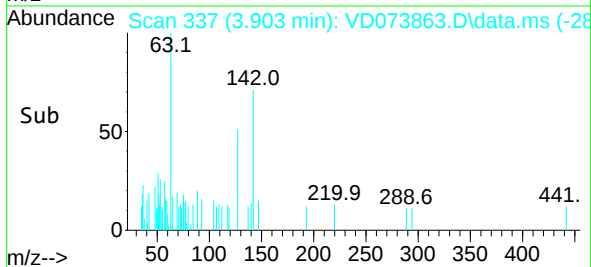
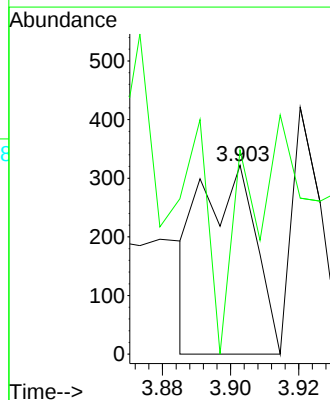
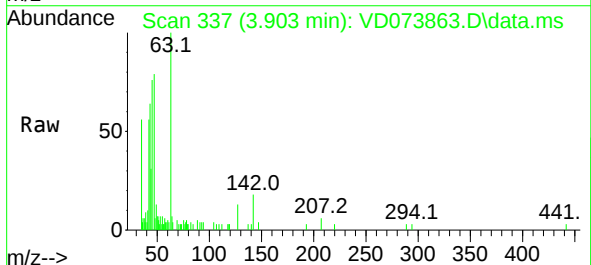
Instrument :
MSVOA_D
ClientSampleId :
A-2-LC

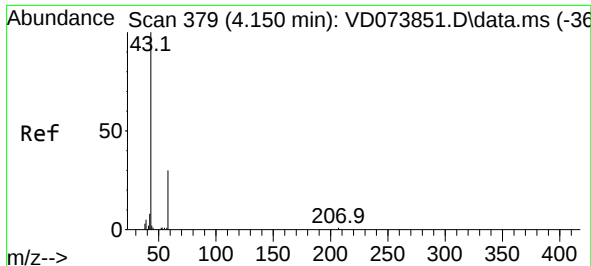
Tgt Ion: 59 Resp: 528
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#



#13
Acrolein
Concen: 4.857 ug/l
RT: 3.903 min Scan# 337
Delta R.T. -0.012 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

Tgt Ion: 56 Resp: 356
Ion Ratio Lower Upper
56 100
55 0.0 57.1 85.7#

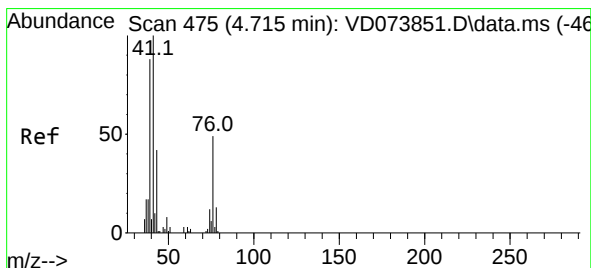
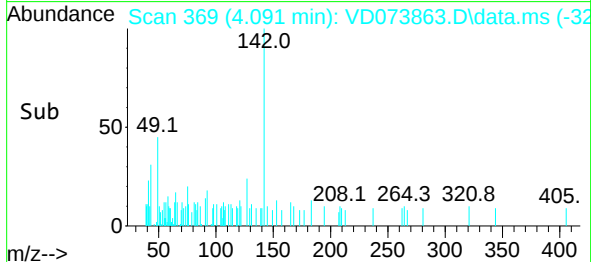
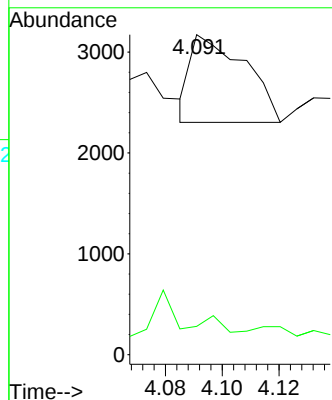
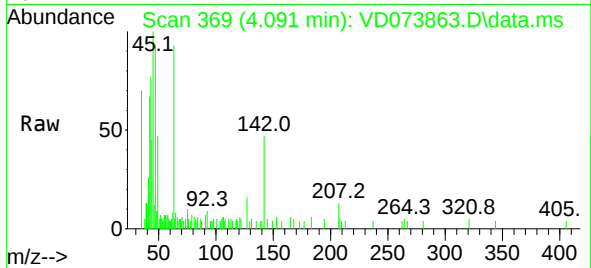




#16
Acetone
Concen: 4.434 ug/l
RT: 4.091 min Scan# 30
Delta R.T. -0.059 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

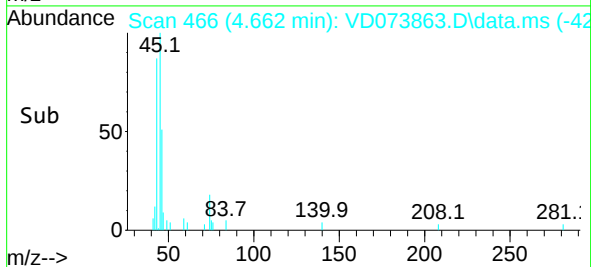
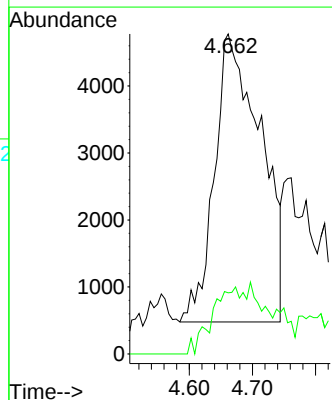
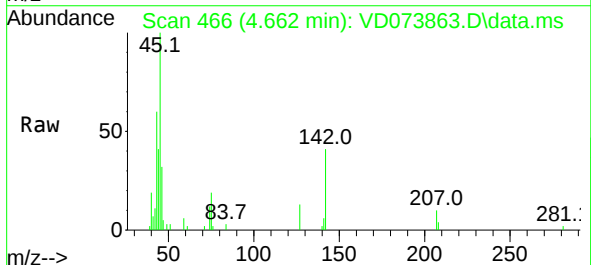
Instrument :
MSVOA_D
ClientSampleId :
A-2-LC

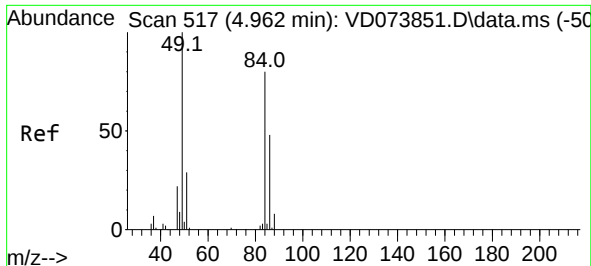
Tgt Ion: 43 Resp: 1149
Ion Ratio Lower Upper
43 100
58 23.0 22.1 33.1



#18
Methyl Acetate
Concen: 34.925 ug/l
RT: 4.662 min Scan# 466
Delta R.T. -0.053 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

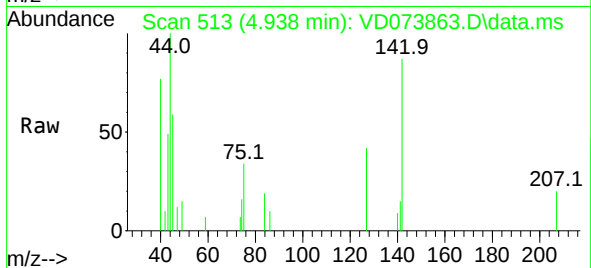
Tgt Ion: 43 Resp: 21975
Ion Ratio Lower Upper
43 100
74 13.7 16.7 25.1#



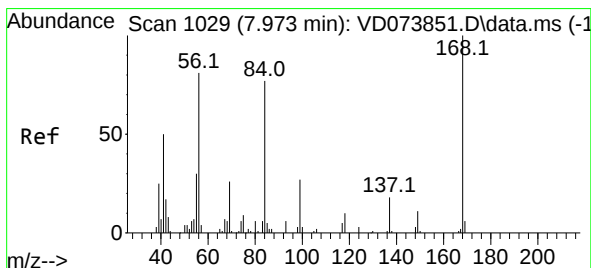
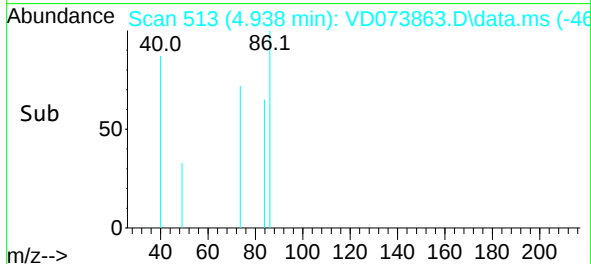
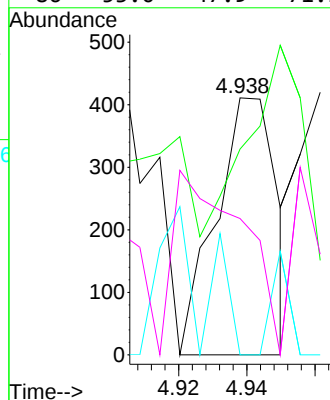


#20
Methylene Chloride
Concen: Below Cal
RT: 4.938 min Scan# 517
Delta R.T. -0.024 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

Instrument :
MSVOA_D
ClientSampleId :
A-2-LC

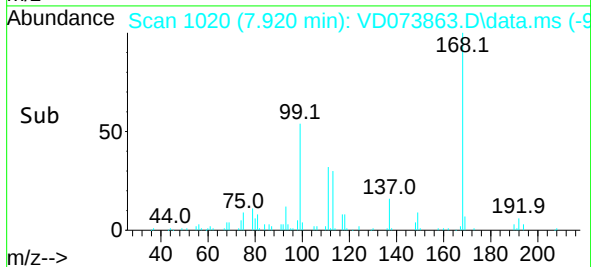
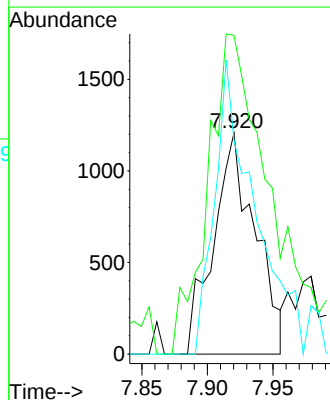
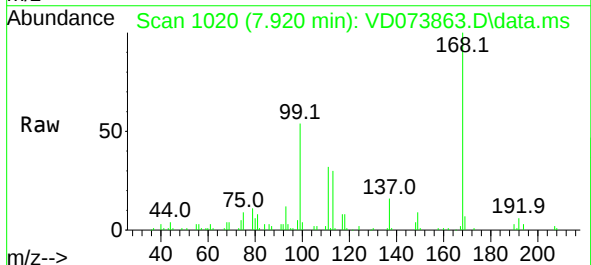


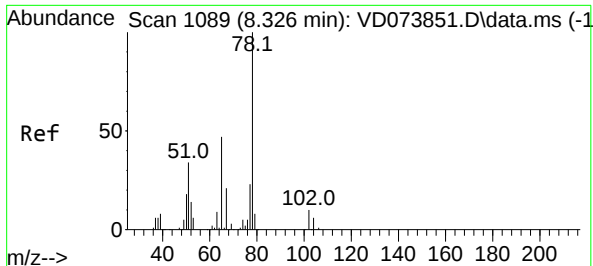
Tgt Ion: 84	Resp: 510
Ion Ratio	Lower Upper
84 100	
49 0.0	112.8 169.2#
51 0.0	32.6 48.8#
86 53.0	47.9 71.9



#31
Cyclohexane
Concen: 1.067 ug/l
RT: 7.920 min Scan# 1020
Delta R.T. -0.053 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

Tgt Ion: 56	Resp: 2678
Ion Ratio	Lower Upper
56 100	
69 114.0	25.4 38.2#
84 96.7	63.0 94.4#





#33

1,2-Dichloroethane-d4

Concen: 39.453 ug/l

RT: 8.303 min Scan# 1107

Delta R.T. -0.024 min

Lab File: VD073863.D

Acq: 19 Jul 2022 16:10

Instrument :

MSVOA_D

ClientSampleId :

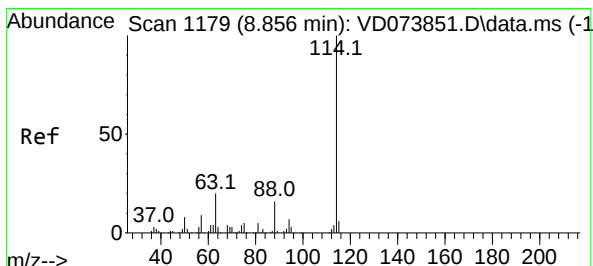
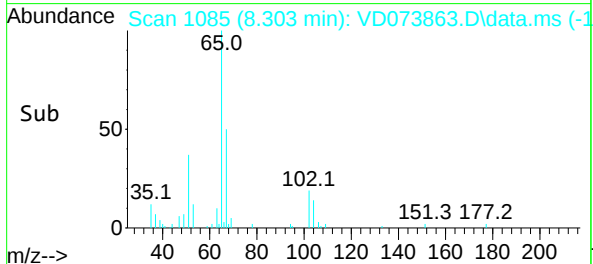
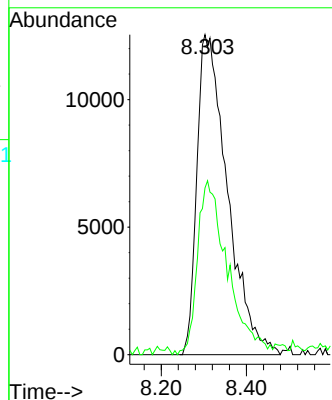
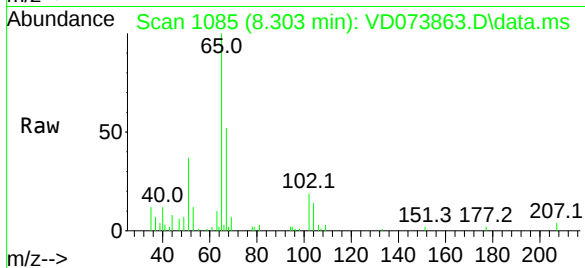
A-2-LC

Tgt Ion: 65 Resp: 62299

Ion Ratio Lower Upper

65 100

67 53.3 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.838 min Scan# 1176

Delta R.T. -0.018 min

Lab File: VD073863.D

Acq: 19 Jul 2022 16:10

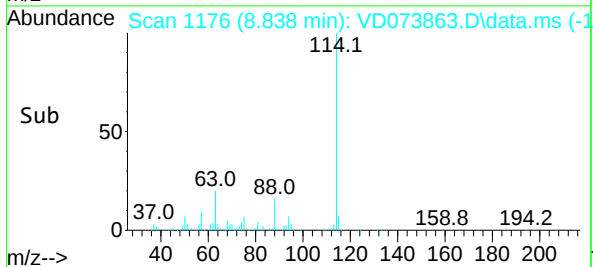
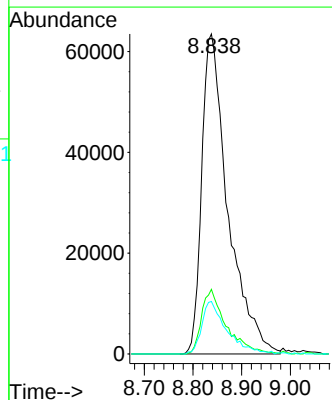
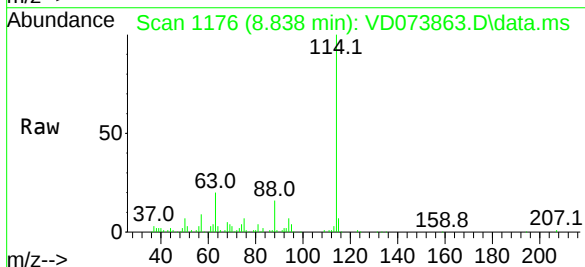
Tgt Ion: 114 Resp: 236633

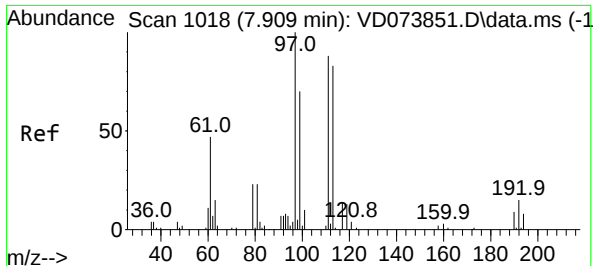
Ion Ratio Lower Upper

114 100

63 20.2 0.0 46.6

88 16.4 0.0 33.2





#35

Dibromofluoromethane

Concen: 41.202 ug/l

RT: 7.914 min Scan# 1019

Delta R.T. 0.006 min

Lab File: VD073863.D

Acq: 19 Jul 2022 16:10

Instrument :

MSVOA_D

ClientSampleId :

A-2-LC

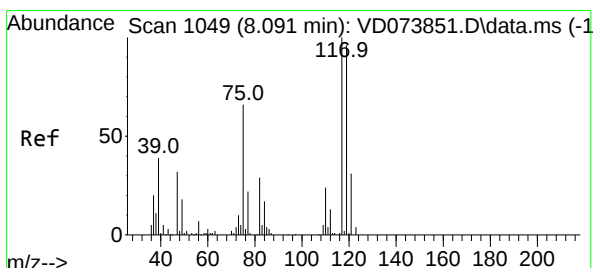
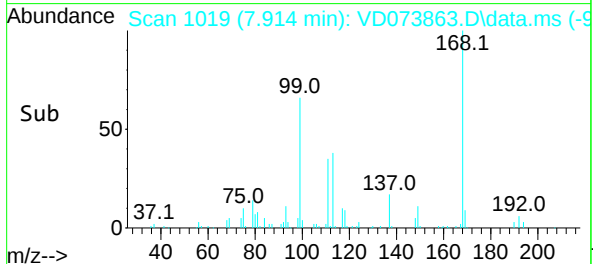
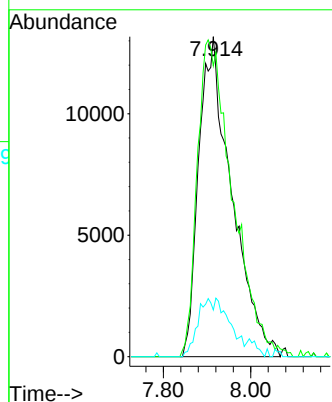
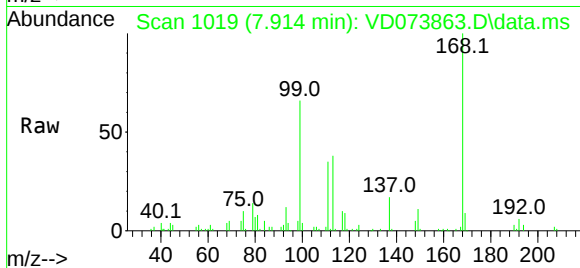
Tgt Ion:113 Resp: 68783

Ion Ratio Lower Upper

113 100

111 106.3 83.8 125.6

192 8.7 14.6 21.8#



#38

Carbon Tetrachloride

Concen: 4.866 ug/l

RT: 7.932 min Scan# 1022

Delta R.T. -0.159 min

Lab File: VD073863.D

Acq: 19 Jul 2022 16:10

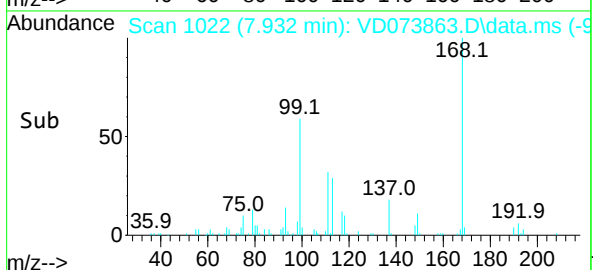
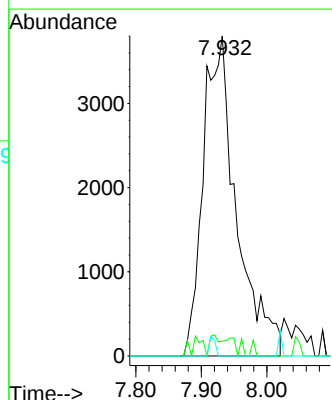
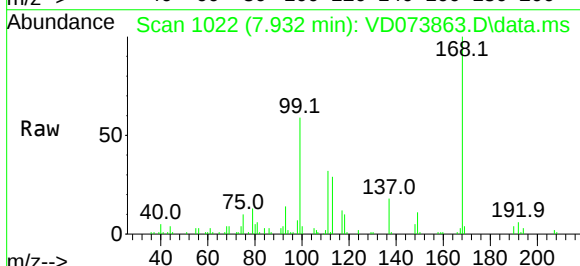
Tgt Ion:117 Resp: 13382

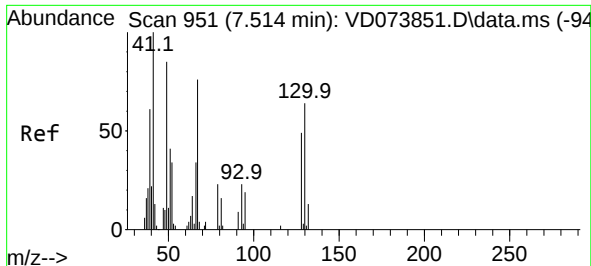
Ion Ratio Lower Upper

117 100

119 4.7 75.8 113.6#

121 0.0 24.5 36.7#

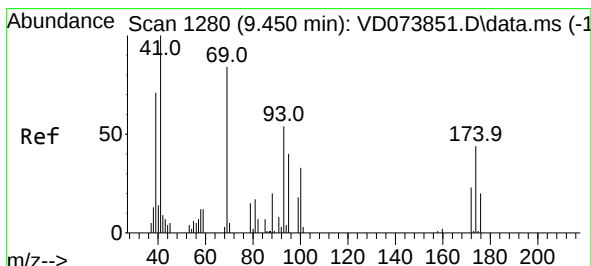
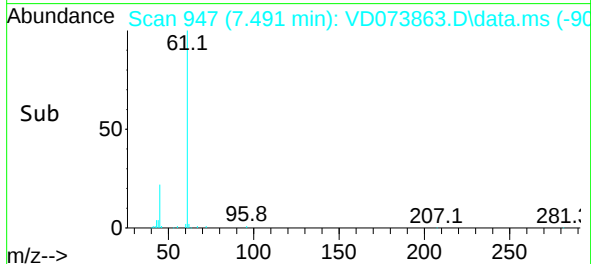
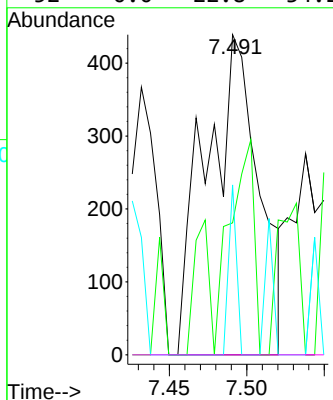
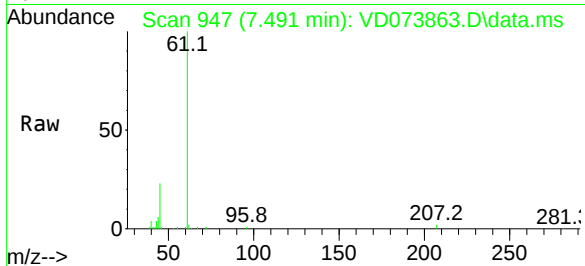




#41
Methacrylonitrile
Concen: 1.955 ug/l
RT: 7.491 min Scan# 941
Delta R.T. -0.024 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

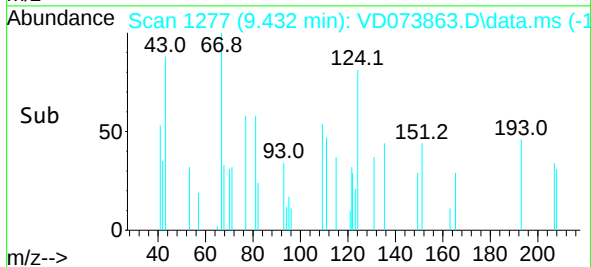
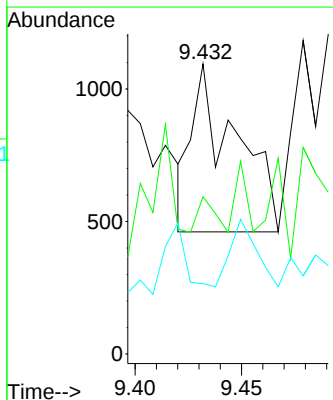
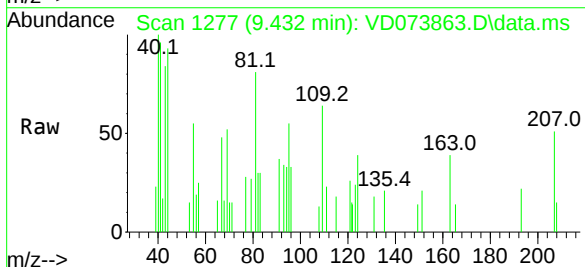
Instrument :
MSVOA_D
ClientSampleId :
A-2-LC

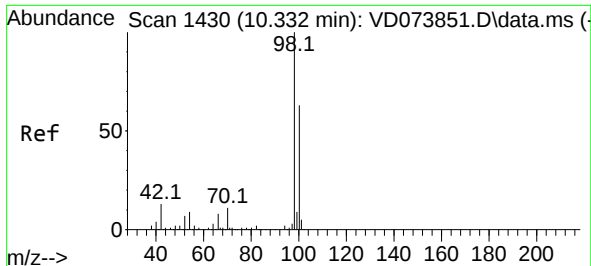
Tgt Ion:	41	Resp:	1052
Ion	Ratio	Lower	Upper
41	100		
39	30.2	44.6	67.0#
67	7.8	48.2	72.4#
52	0.0	22.8	34.2#



#48
Methyl methacrylate
Concen: 1.077 ug/l
RT: 9.432 min Scan# 1277
Delta R.T. -0.018 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

Tgt Ion:	41	Resp:	914
Ion	Ratio	Lower	Upper
41	100		
69	20.2	56.7	85.1#
39	23.6	42.7	64.1#

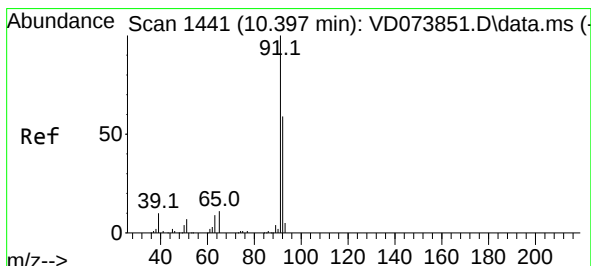
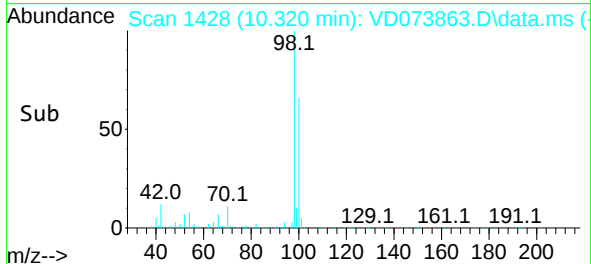
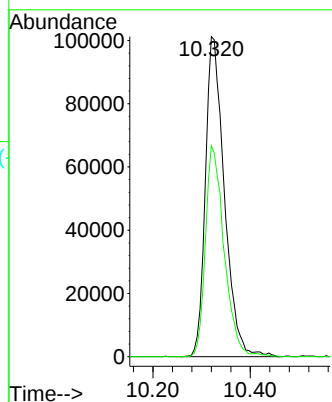
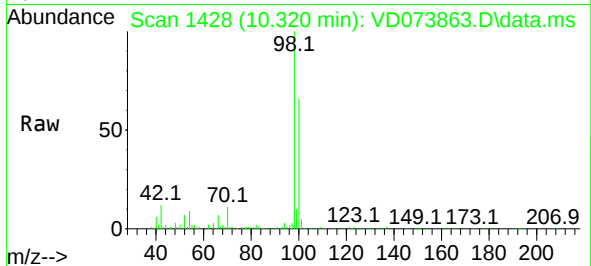




#50
Toluene-d8
Concen: 45.142 ug/l
RT: 10.320 min Scan# 1430
Delta R.T. -0.012 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

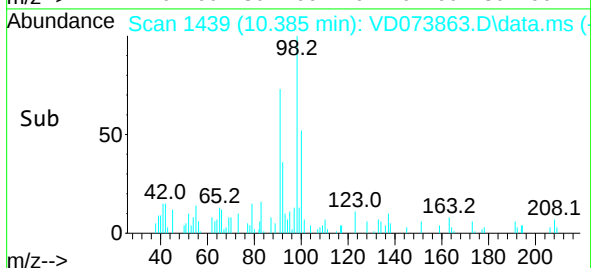
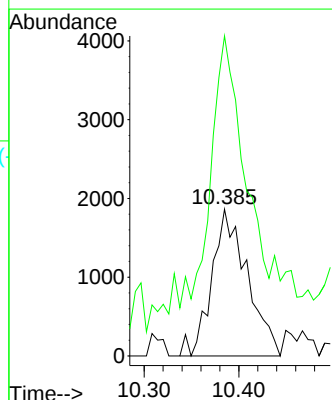
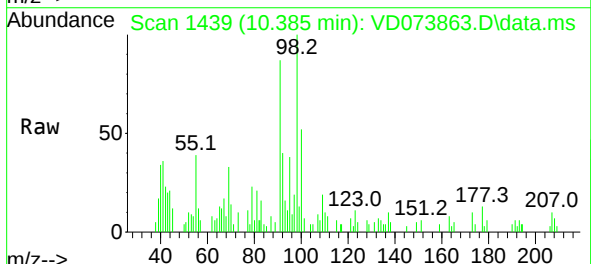
Instrument :
MSVOA_D
ClientSampleId :
A-2-LC

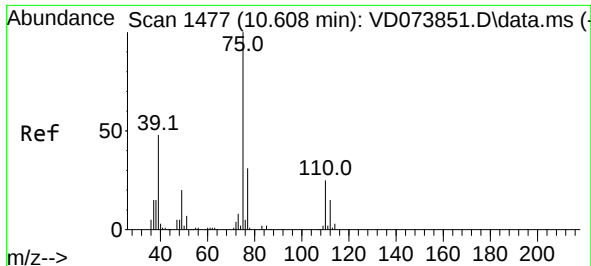
Tgt Ion: 98 Resp: 273575
Ion Ratio Lower Upper
98 100
100 64.4 52.4 78.6



#52
Toluene
Concen: 1.101 ug/l
RT: 10.385 min Scan# 1439
Delta R.T. -0.012 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

Tgt Ion: 92 Resp: 4857
Ion Ratio Lower Upper
92 100
91 157.3 139.6 209.4

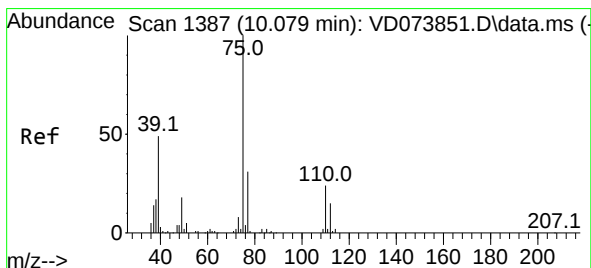
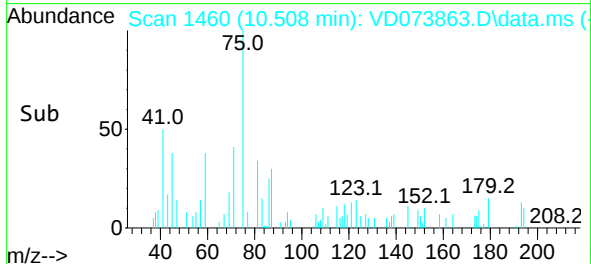
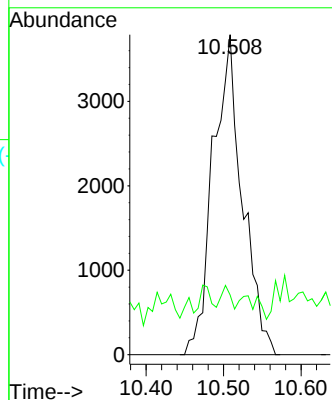
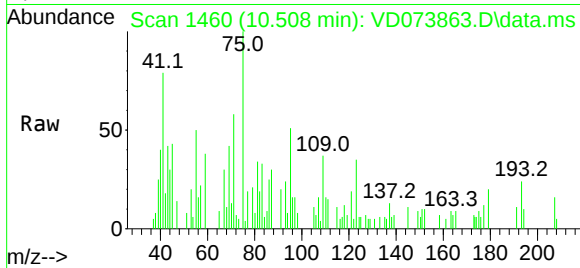




#53
t-1,3-Dichloropropene
Concen: 4.544 ug/l
RT: 10.508 min Scan# 1477
Delta R.T. -0.100 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

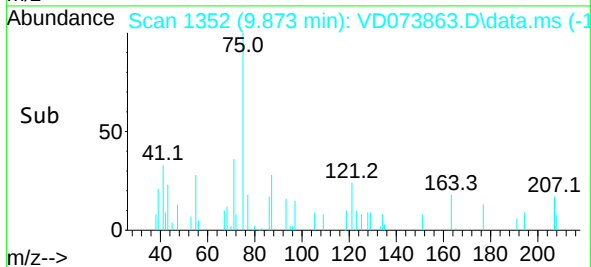
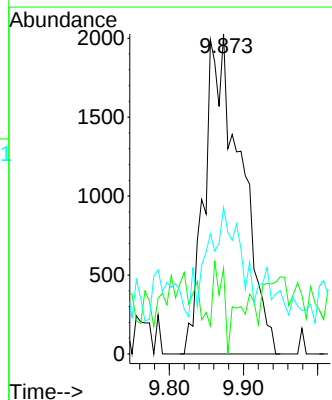
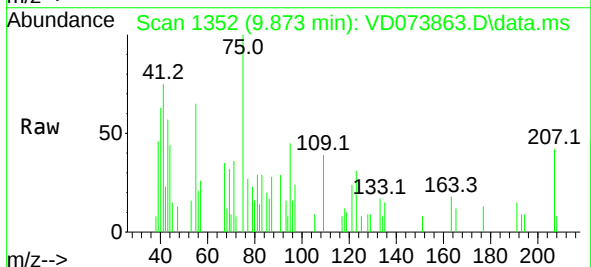
Instrument :
MSVOA_D
ClientSampleId :
A-2-LC

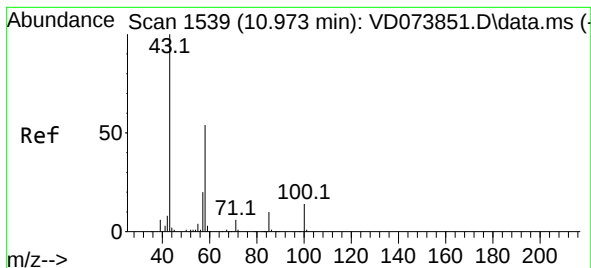
Tgt Ion: 75 Resp: 9978
Ion Ratio Lower Upper
75 100
77 7.3 24.5 36.7#



#54
cis-1,3-Dichloropropene
Concen: 2.712 ug/l
RT: 9.873 min Scan# 1352
Delta R.T. -0.206 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

Tgt Ion: 75 Resp: 6890
Ion Ratio Lower Upper
75 100
77 4.9 24.8 37.2#
39 26.0 46.8 70.2#

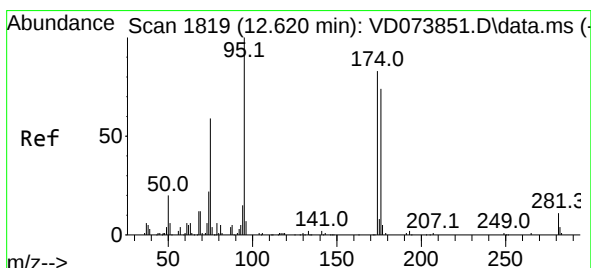
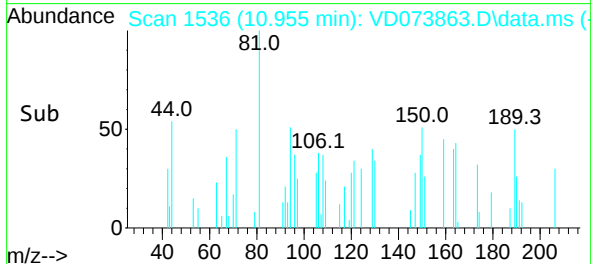
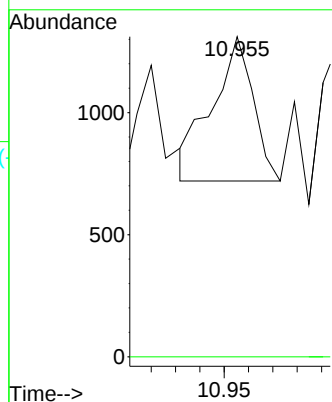
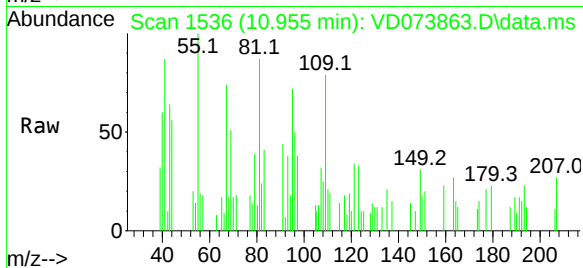




#59
2-Hexanone
Concen: 1.171 ug/l
RT: 10.955 min Scan# 11
Delta R.T. -0.018 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

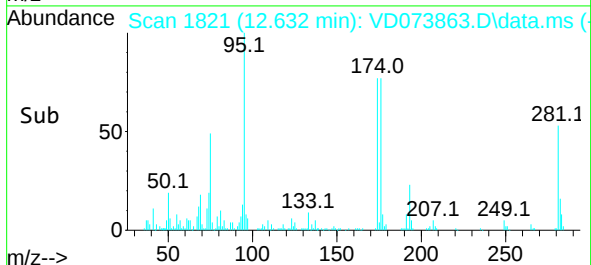
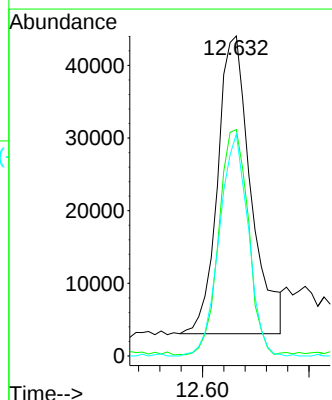
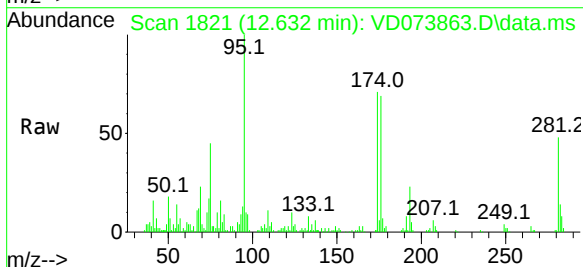
Instrument :
MSVOA_D
ClientSampleId :
A-2-LC

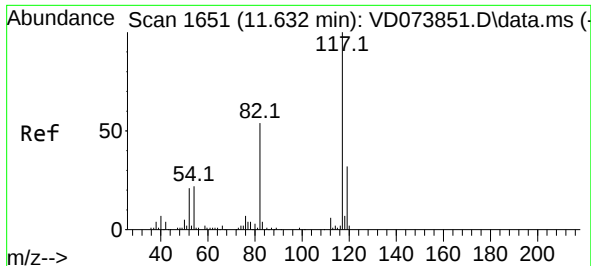
Tgt Ion: 43 Resp: 692
Ion Ratio Lower Upper
43 100
58 0.0 25.3 75.9#



#62
4-Bromofluorobenzene
Concen: 42.662 ug/l
RT: 12.632 min Scan# 1821
Delta R.T. 0.012 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

Tgt Ion: 95 Resp: 88892
Ion Ratio Lower Upper
95 100
174 66.5 0.0 152.8
176 64.8 0.0 145.4

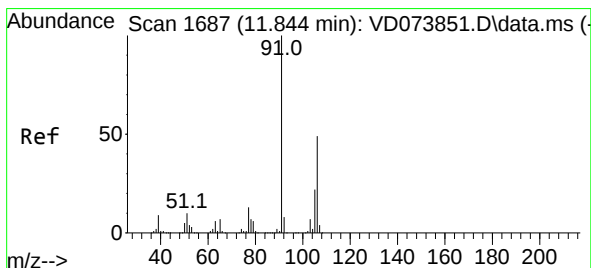
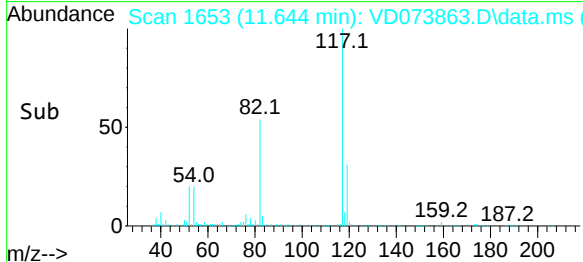
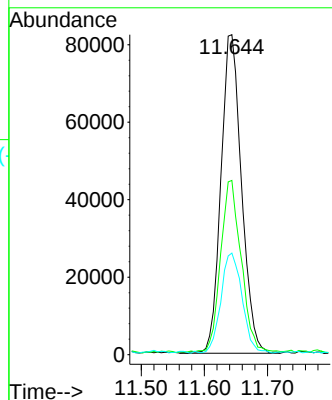
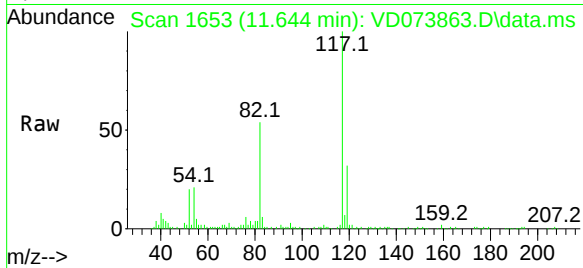




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.644 min Scan# 1653
Delta R.T. 0.012 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

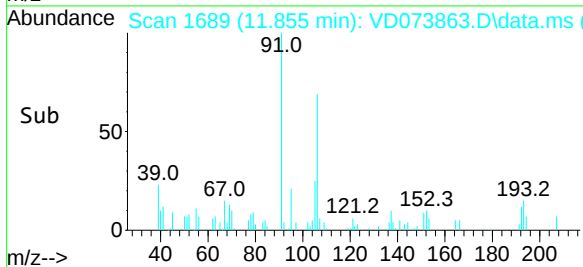
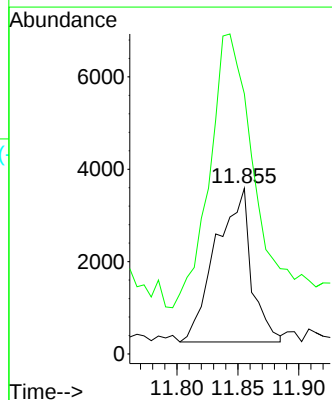
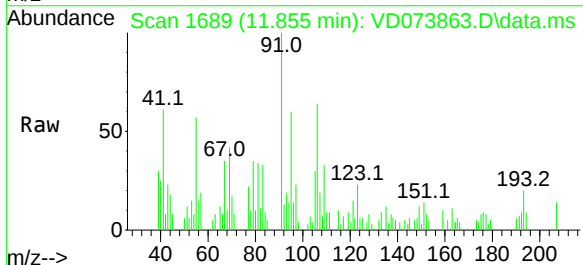
Instrument :
MSVOA_D
ClientSampleId :
A-2-LC

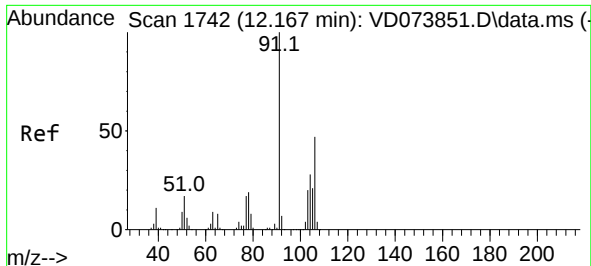
Tgt Ion:117 Resp: 186090
Ion Ratio Lower Upper
117 100
82 53.8 45.3 67.9
119 31.1 26.6 40.0



#68
m/p-Xylenes
Concen: 2.437 ug/l
RT: 11.855 min Scan# 1689
Delta R.T. 0.012 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

Tgt Ion:106 Resp: 6740
Ion Ratio Lower Upper
106 100
91 239.7 163.7 245.5

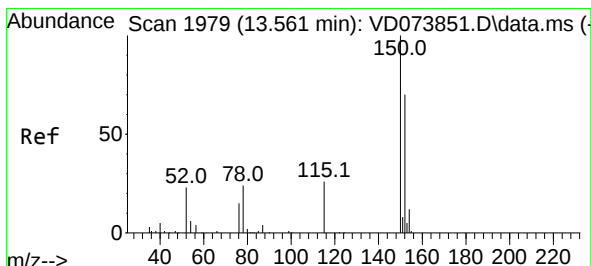
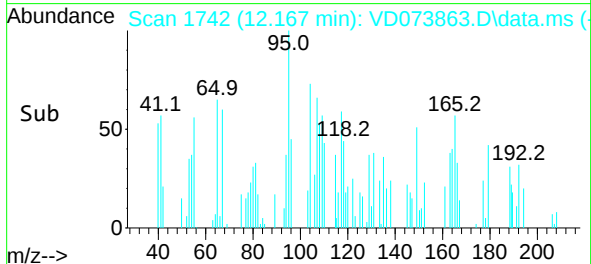
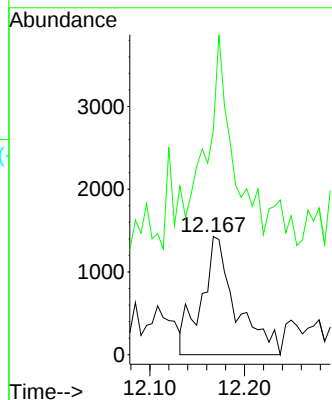
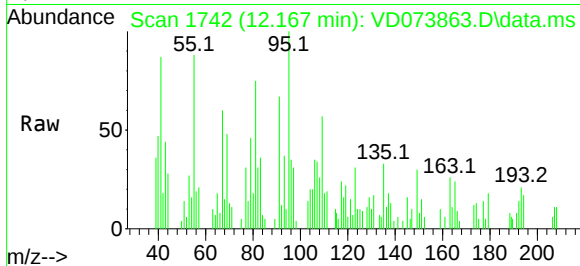




#69
o-Xylene
Concen: 1.399 ug/l
RT: 12.167 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

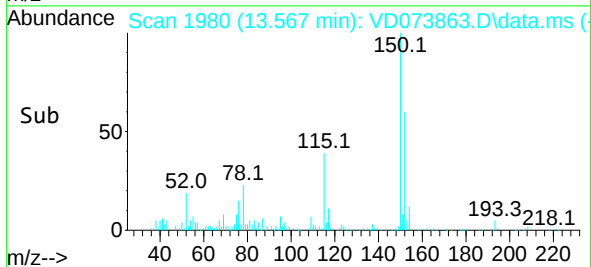
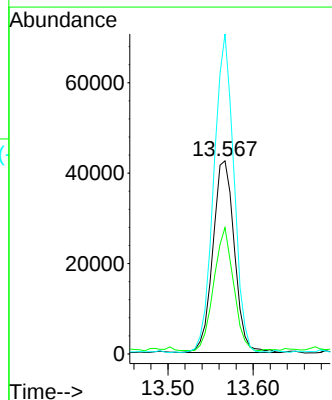
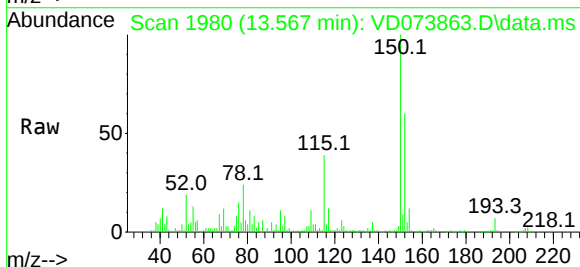
Instrument :
MSVOA_D
ClientSampleId :
A-2-LC

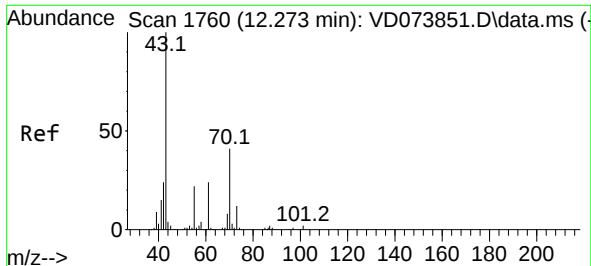
Tgt Ion:106 Resp: 3623
Ion Ratio Lower Upper
106 100
91 134.9 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.567 min Scan# 1980
Delta R.T. 0.006 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

Tgt Ion:152 Resp: 74799
Ion Ratio Lower Upper
152 100
115 58.4 31.3 93.8
150 155.3 0.0 348.6

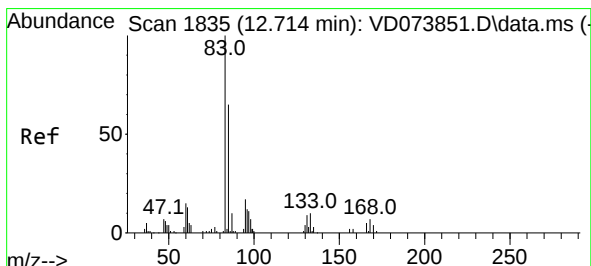
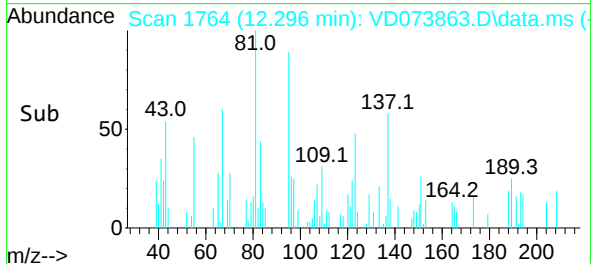
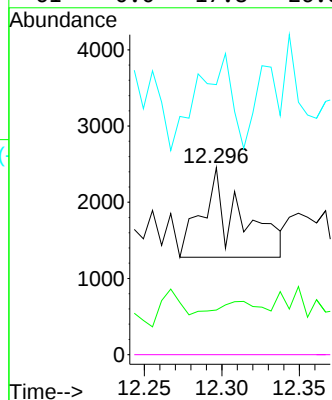
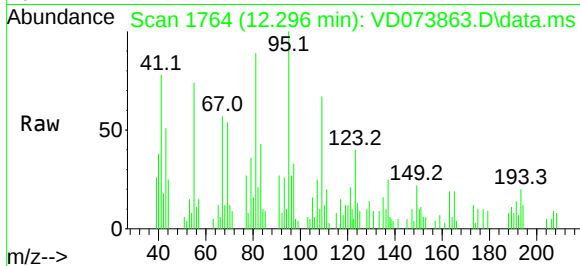




#74
N-amy1 acetate
Concen: 1.819 ug/l
RT: 12.296 min Scan# 1764
Delta R.T. 0.023 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

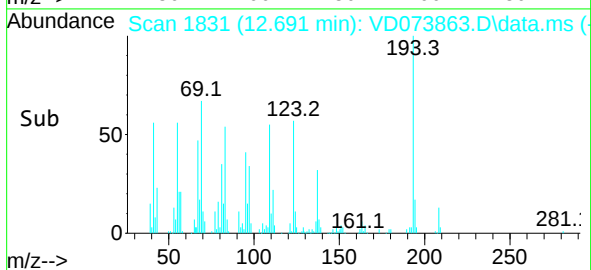
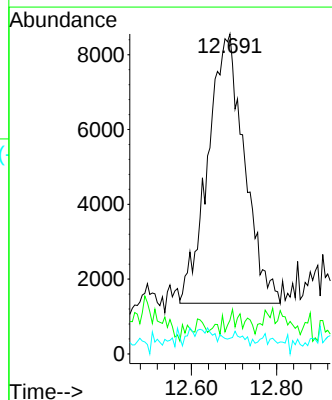
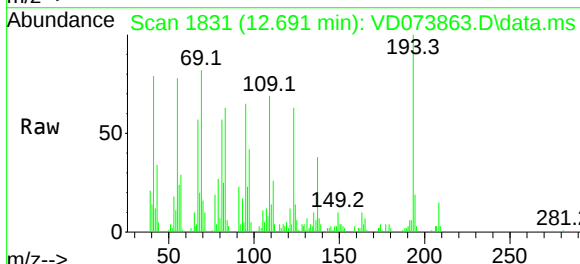
Instrument :
MSVOA_D
ClientSampleId :
A-2-LC

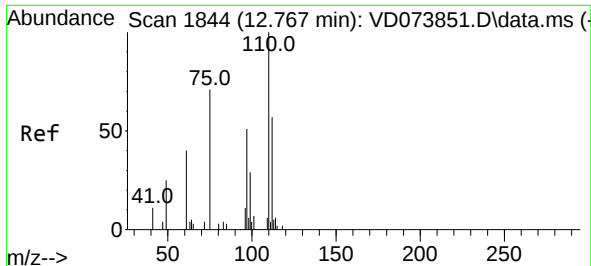
Tgt Ion:	43	Resp:	2033
Ion	Ratio	Lower	Upper
43	100		
70	8.6	31.3	46.9#
55	103.8	20.0	30.0#
61	0.0	17.8	26.8#



#75
1,1,2,2-Tetrachloroethane
Concen: 43.682 ug/l
RT: 12.691 min Scan# 1831
Delta R.T. -0.024 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

Tgt Ion:	83	Resp:	42774
Ion	Ratio	Lower	Upper
83	100		
131	1.6	5.0	14.9#
85	1.4	32.6	98.0#

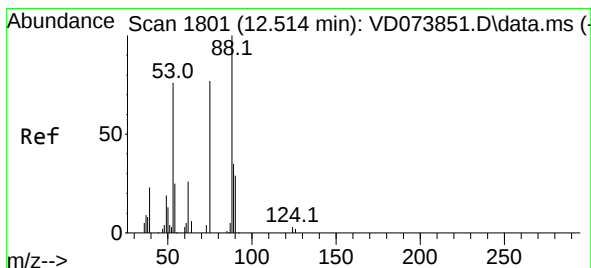
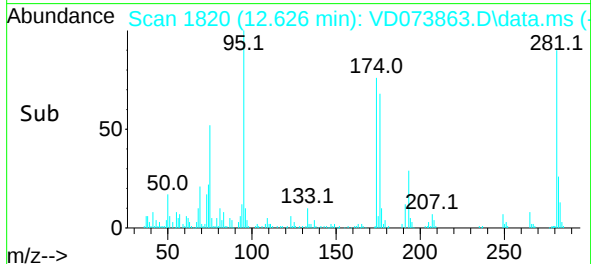
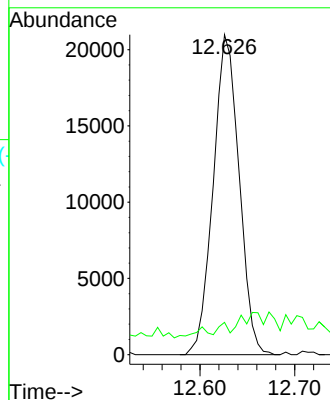
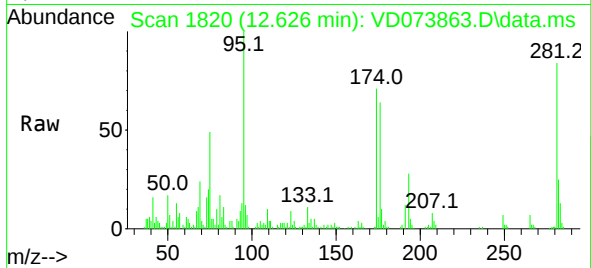




#76
1,2,3-Trichloropropane
Concen: 49.596 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. -0.141 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

Instrument :
MSVOA_D
ClientSampleId :
A-2-LC

Tgt Ion: 75 Resp: 39804
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.832 ug/l
RT: 12.626 min Scan# 1820
Delta R.T. 0.112 min
Lab File: VD073863.D
Acq: 19 Jul 2022 16:10

Tgt Ion: 75 Resp: 39804
Ion Ratio Lower Upper
75 100
53 0.0 86.5 129.7#
89 3.0 33.9 50.9#

