

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
 Data File : VD073577.D
 Acq On : 14 Jun 2022 19:03
 Operator : VA/SY
 Sample : N3293-07
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 40808

Quant Time: Jun 15 01:38:10 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 09 12:33:32 2022
 Response via : Initial Calibration

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

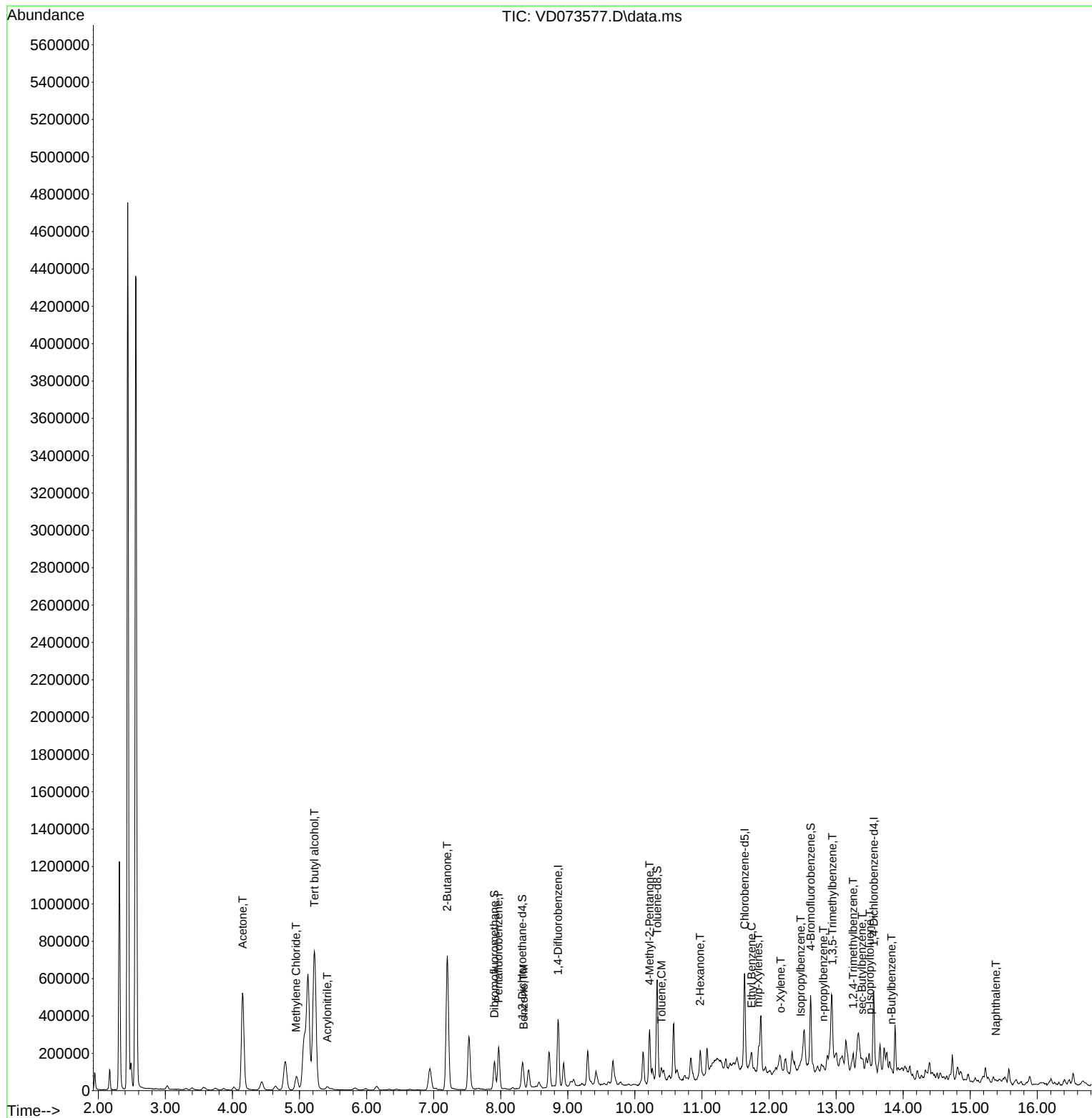
Internal Standards						
1) Pentafluorobenzene	7.967	168	160503	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	321635	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	313116	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	112414	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	96920	56.270	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.540%
35) Dibromofluoromethane	7.903	113	108548	52.483	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.960%
50) Toluene-d8	10.332	98	344025	43.994	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	87.980%
62) 4-Bromofluorobenzene	12.620	95	143040	50.388	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	100.780%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.220	59	1470426	12716.735	ug/l	99
15) Acrylonitrile	5.415	53	19291	52.049	ug/l	97
16) Acetone	4.150	43	916186	3020.972	ug/l	91
20) Methylene Chloride	4.950	84	57648	28.961	ug/l #	80
25) 2-Butanone	7.203	43	1127423	2526.502	ug/l	91
40) Benzene	8.344	78	38189	4.226	ug/l	98
51) 4-Methyl-2-Pentanone	10.220	43	199718	163.494	ug/l	94
52) Toluene	10.397	92	29438	5.080	ug/l	95
59) 2-Hexanone	10.973	43	69074	82.567	ug/l	93
67) Ethyl Benzene	11.738	91	22700	2.016	ug/l #	85
68) m/p-Xylenes	11.838	106	22058	4.993	ug/l	99
69) o-Xylene	12.173	106	14347	3.529	ug/l	91
73) Isopropylbenzene	12.473	105	20326	2.609	ug/l	86
78) n-propylbenzene	12.808	91	19855	2.047	ug/l	87
80) 1,3,5-Trimethylbenzene	12.944	105	16311	2.427	ug/l	97
84) 1,2,4-Trimethylbenzene	13.255	105	56442	8.415	ug/l	97
85) sec-Butylbenzene	13.385	105	8666	1.019	ug/l #	66
86) p-Isopropyltoluene	13.502	119	8845	1.247	ug/l #	74
89) n-Butylbenzene	13.826	91	10831	1.619	ug/l #	81
95) Naphthalene	15.385	128	13649	7.283	ug/l #	91

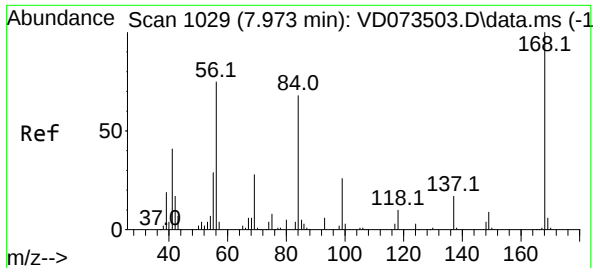
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 09 12:33:32 2022
Response via : Initial Calibration

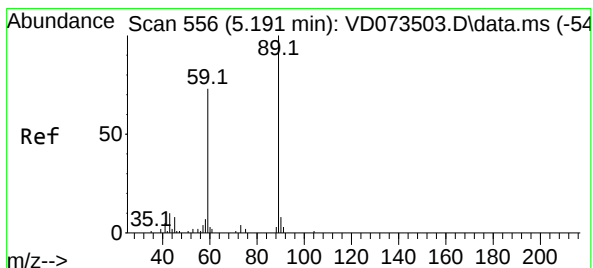
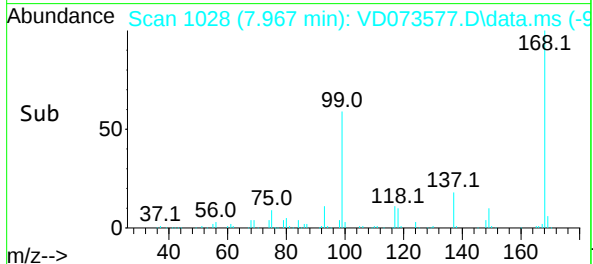
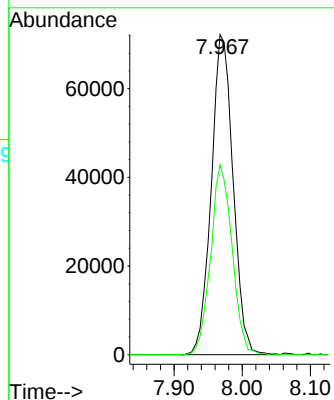
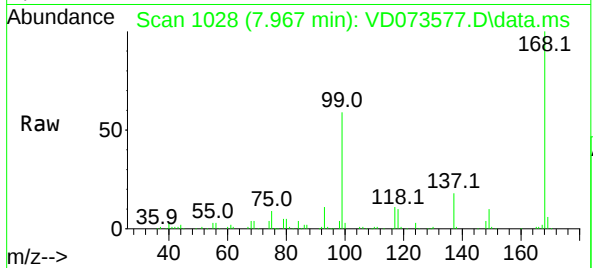




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.967 min Scan# 1028
Delta R.T. -0.006 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

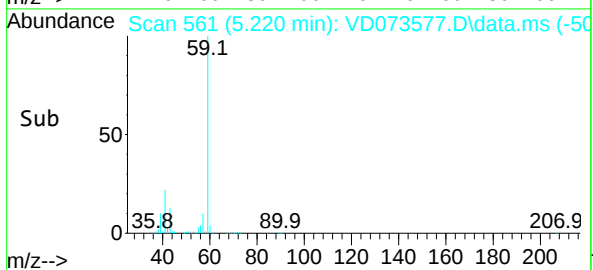
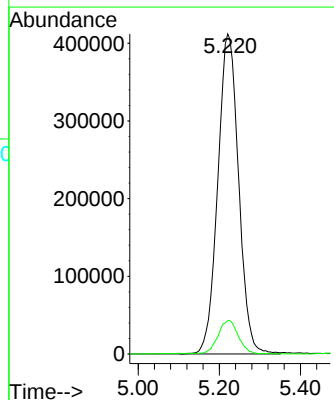
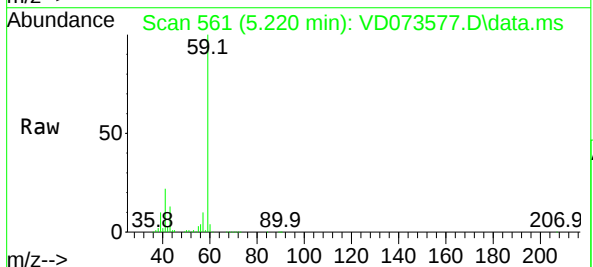
Instrument :
MSVOA_D
ClientSampleId :
40808

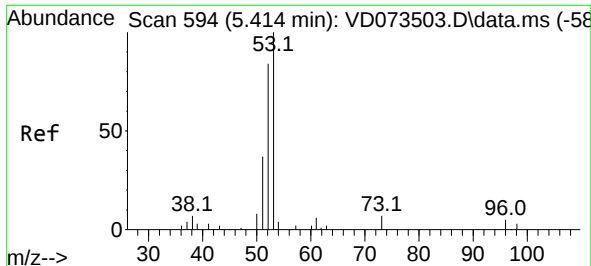
Tgt Ion:168 Resp: 160503
Ion Ratio Lower Upper
168 100
99 59.3 49.8 74.6



#11
Tert butyl alcohol
Concen: 12716.735 ug/l
RT: 5.220 min Scan# 561
Delta R.T. 0.029 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

Tgt Ion: 59 Resp: 1470426
Ion Ratio Lower Upper
59 100
57 10.1 7.8 11.6

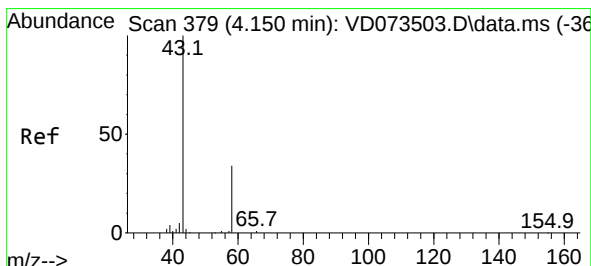
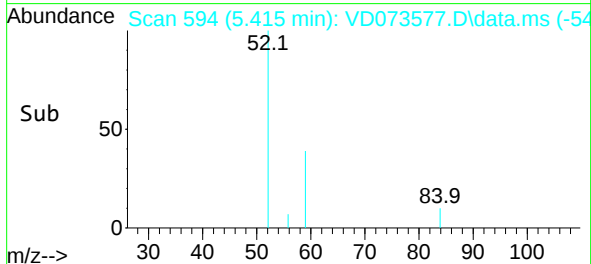
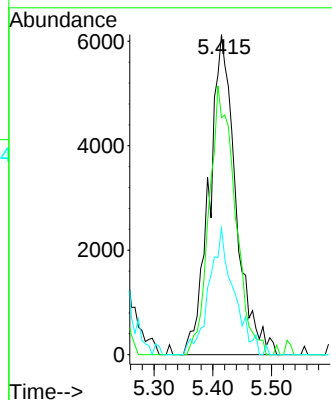
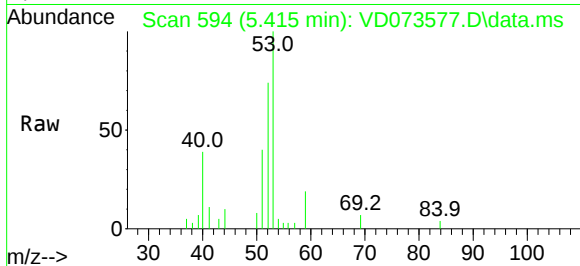




#15
Acrylonitrile
Concen: 52.049 ug/l
RT: 5.415 min Scan# 594
Delta R.T. 0.001 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

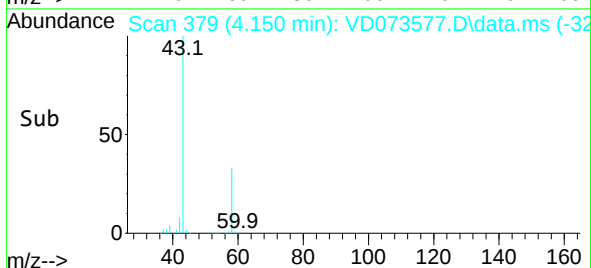
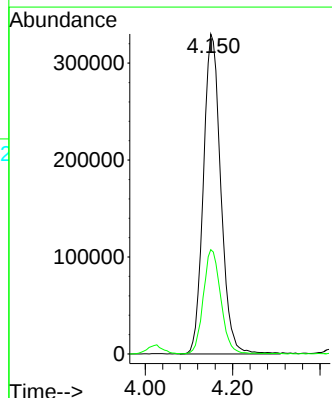
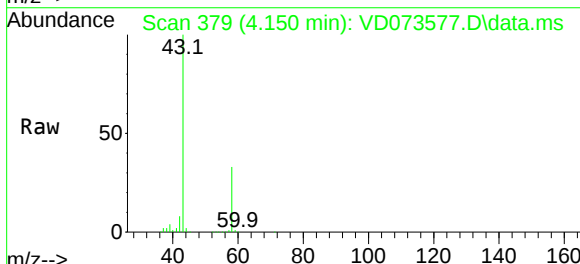
Instrument :
MSVOA_D
ClientSampleId :
40808

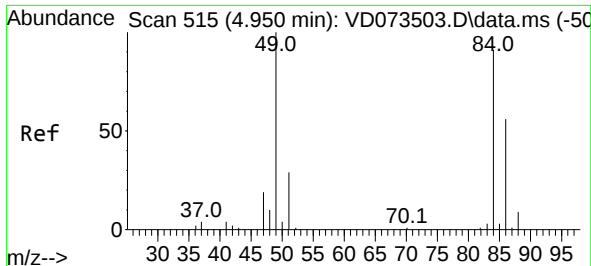
Tgt Ion: 53	Resp:	19291
Ion	Ratio	Lower Upper
53	100	
52	81.4	67.2 100.8
51	36.5	30.3 45.5



#16
Acetone
Concen: 3020.972 ug/l
RT: 4.150 min Scan# 379
Delta R.T. -0.000 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

Tgt Ion: 43	Resp:	916186
Ion	Ratio	Lower Upper
43	100	
58	32.5	22.1 33.1

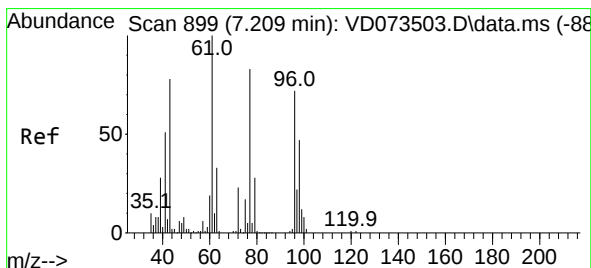
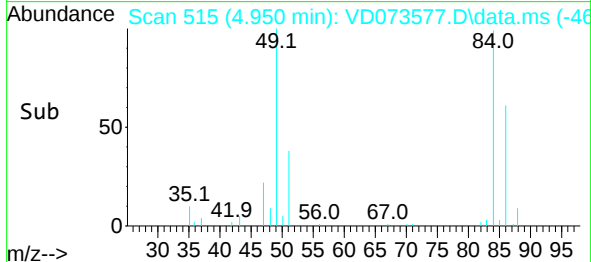
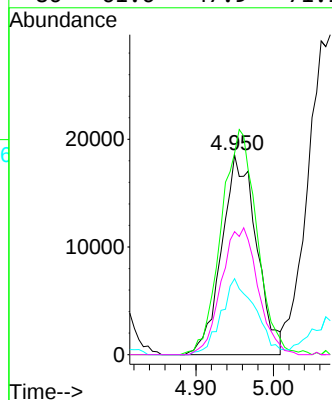
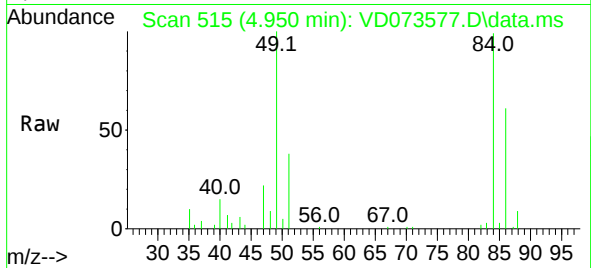




#20
Methylene Chloride
Concen: 28.961 ug/l
RT: 4.950 min Scan# 515
Delta R.T. -0.000 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

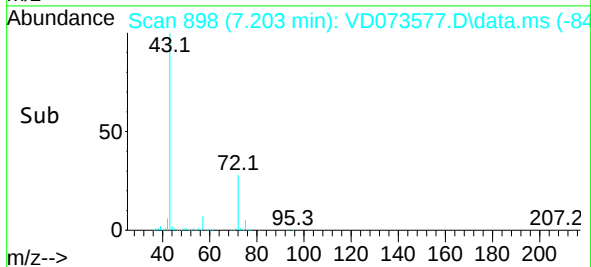
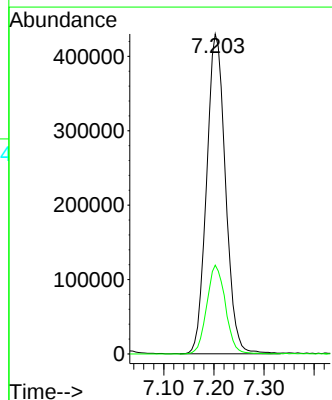
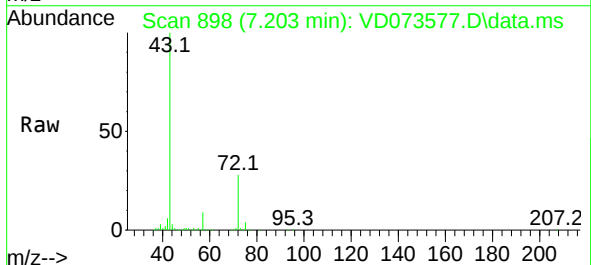
Instrument :
MSVOA_D
ClientSampleId :
40808

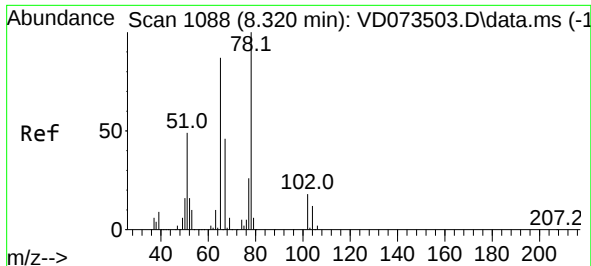
Tgt Ion: 84	Resp: 57648
Ion Ratio	Lower Upper
84 100	
49 100.9	112.8 169.2#
51 38.0	32.6 48.8
86 61.6	47.9 71.9



#25
2-Butanone
Concen: 2526.502 ug/l
RT: 7.203 min Scan# 898
Delta R.T. -0.006 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

Tgt Ion: 43	Resp: 1127423
Ion Ratio	Lower Upper
43 100	
72 27.8	18.6 27.8





#33

1,2-Dichloroethane-d4

Concen: 56.270 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073577.D

Acq: 14 Jun 2022 19:03

Instrument :

MSVOA_D

ClientSampleId :

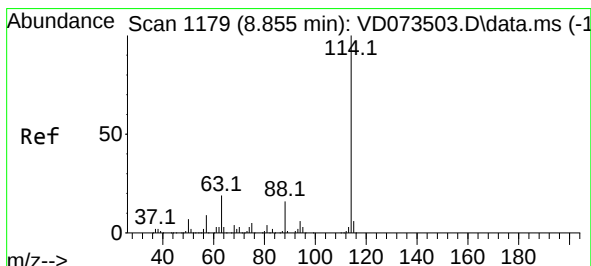
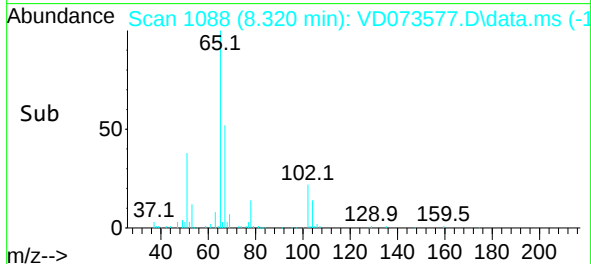
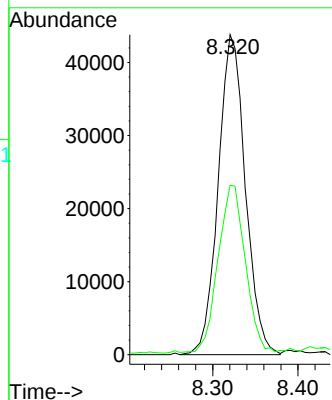
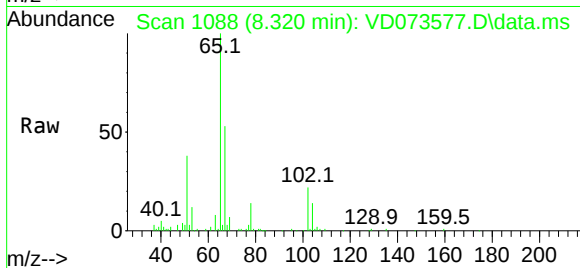
40808

Tgt Ion: 65 Resp: 96920

Ion Ratio Lower Upper

65 100

67 51.8 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.856 min Scan# 1179

Delta R.T. 0.001 min

Lab File: VD073577.D

Acq: 14 Jun 2022 19:03

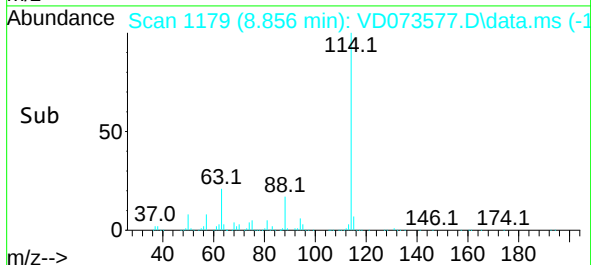
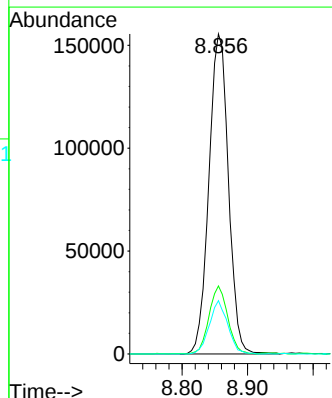
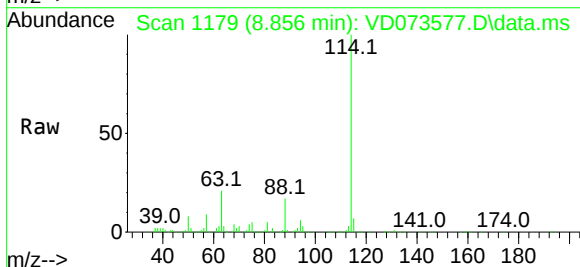
Tgt Ion: 114 Resp: 321635

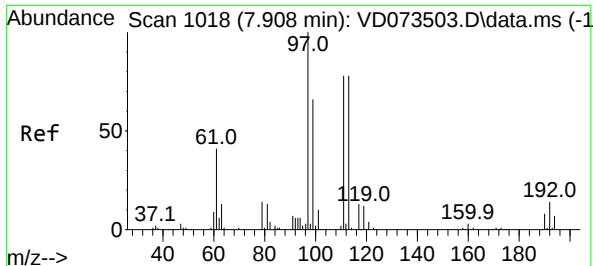
Ion Ratio Lower Upper

114 100

63 21.1 0.0 46.6

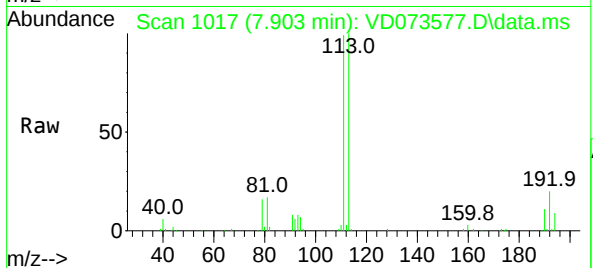
88 16.6 0.0 33.2



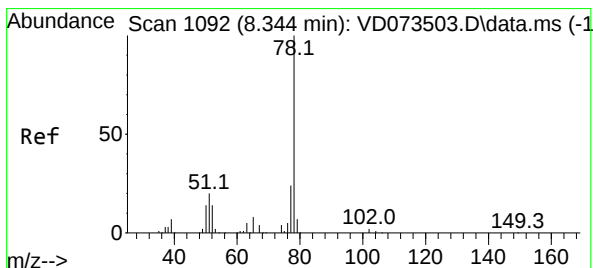
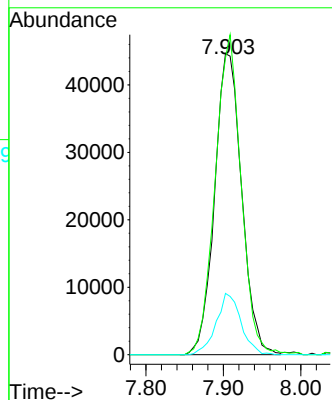
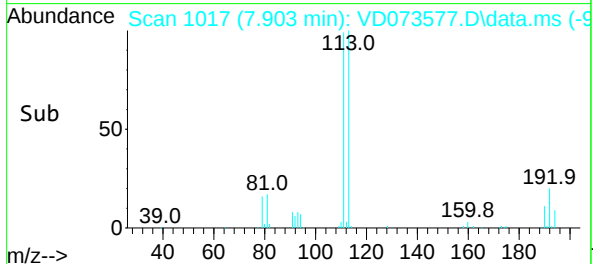


#35
Dibromofluoromethane
Concen: 52.483 ug/l
RT: 7.903 min Scan# 1017
Delta R.T. -0.005 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

Instrument :
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ClientSampleId :
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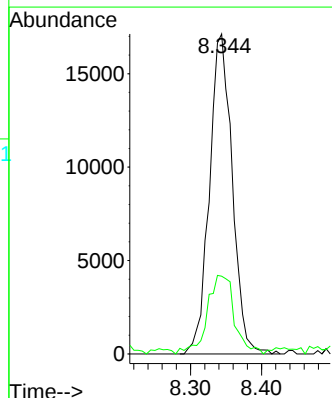
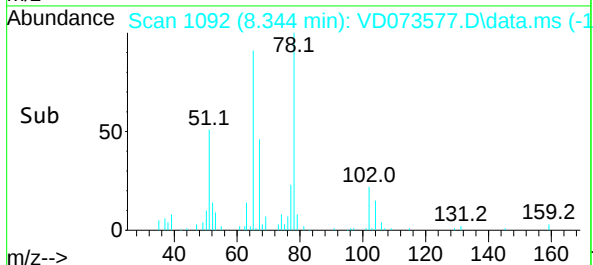
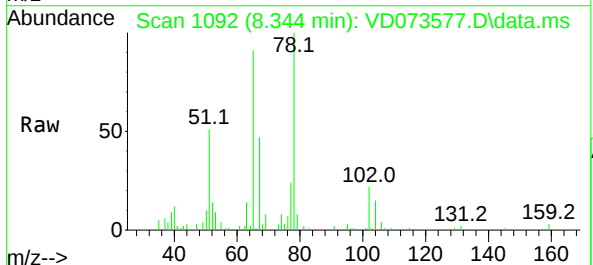


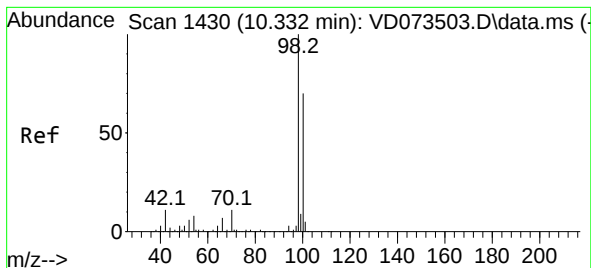
Tgt Ion:113 Resp: 108548
Ion Ratio Lower Upper
113 100
111 102.0 83.8 125.6
192 18.6 14.6 21.8



#40
Benzene
Concen: 4.226 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

Tgt Ion: 78 Resp: 38189
Ion Ratio Lower Upper
78 100
77 22.7 19.1 28.7

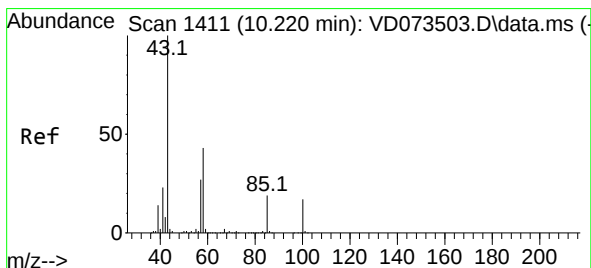
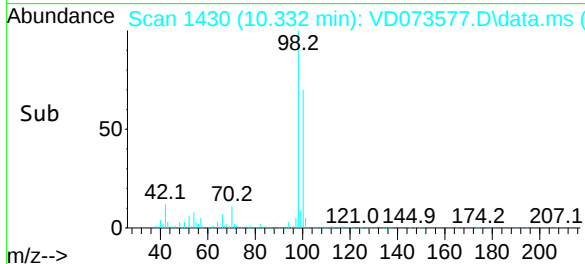
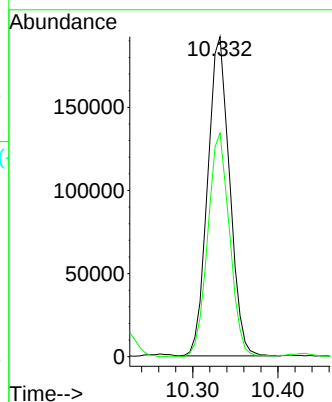
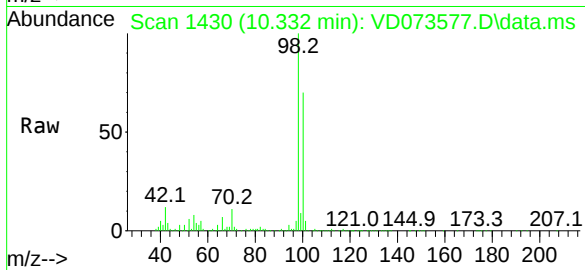




#50
Toluene-d8
Concen: 43.994 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

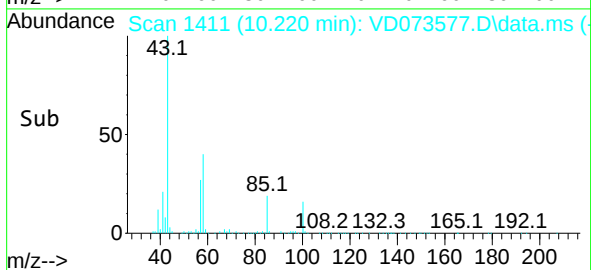
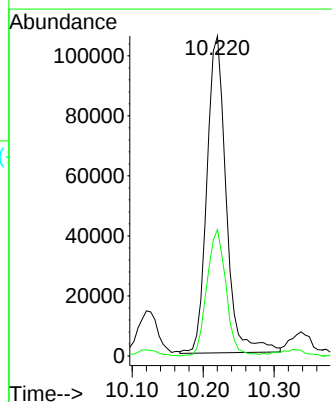
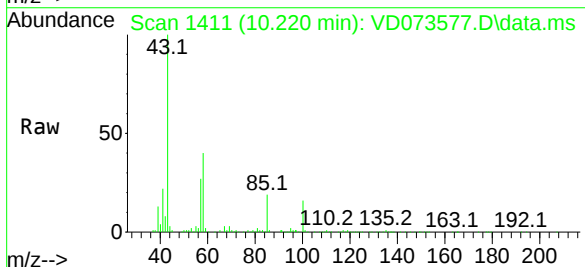
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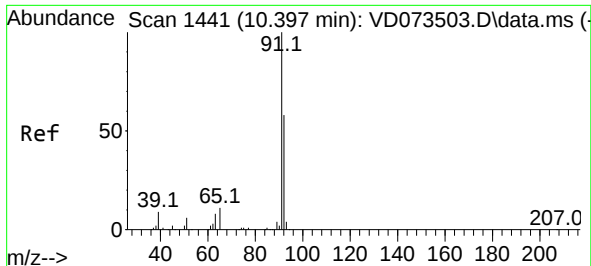
Tgt Ion: 98 Resp: 344025
Ion Ratio Lower Upper
98 100
100 69.5 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 163.494 ug/l
RT: 10.220 min Scan# 1411
Delta R.T. 0.000 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

Tgt Ion: 43 Resp: 199718
Ion Ratio Lower Upper
43 100
58 39.5 28.6 43.0

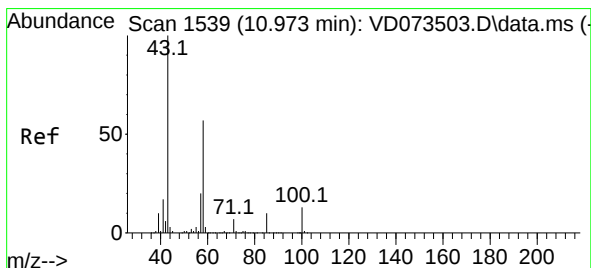
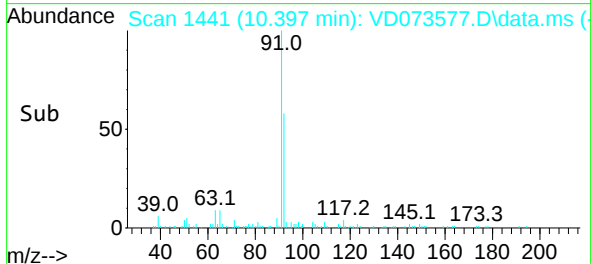
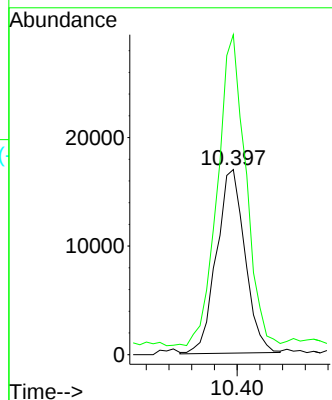
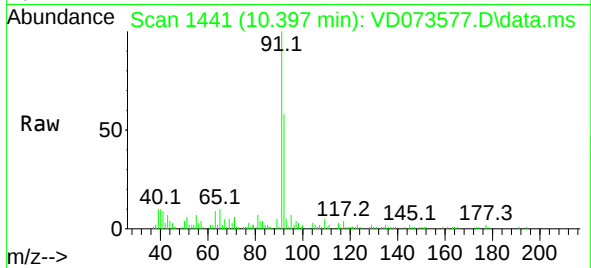




#52
Toluene
Concen: 5.080 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

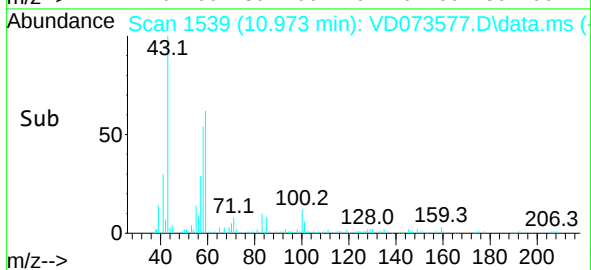
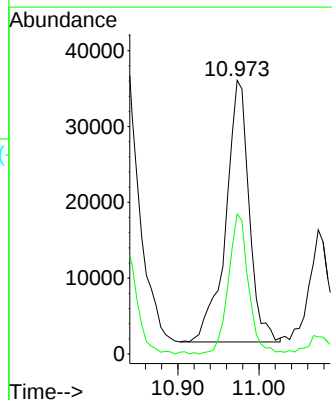
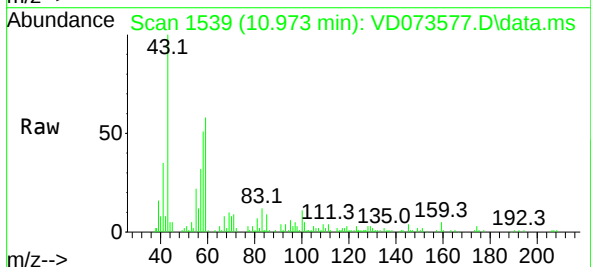
Instrument :
MSVOA_D
ClientSampleId :
40808

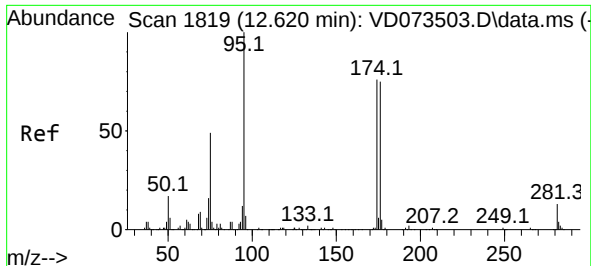
Tgt Ion: 92 Resp: 29438
Ion Ratio Lower Upper
92 100
91 167.8 139.6 209.4



#59
2-Hexanone
Concen: 82.567 ug/l
RT: 10.973 min Scan# 1539
Delta R.T. 0.000 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

Tgt Ion: 43 Resp: 69074
Ion Ratio Lower Upper
43 100
58 45.9 25.3 75.9

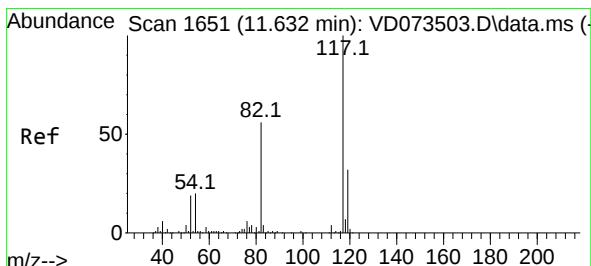
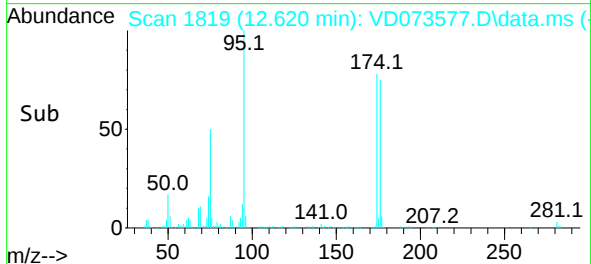
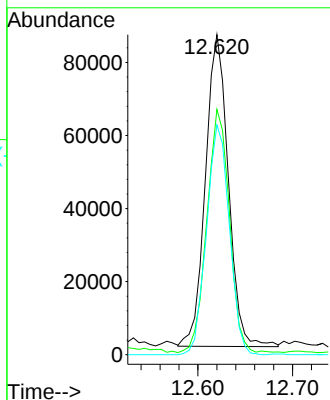
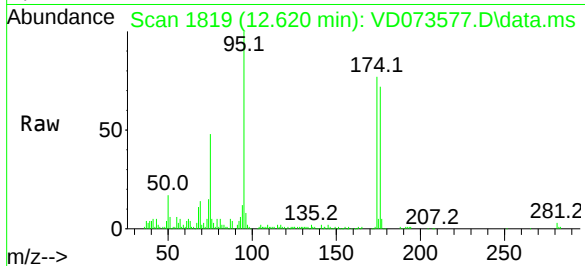




#62
4-Bromofluorobenzene
Concen: 50.388 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

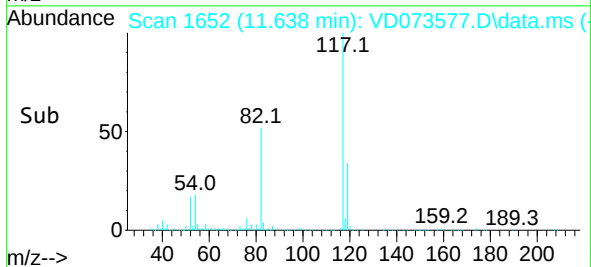
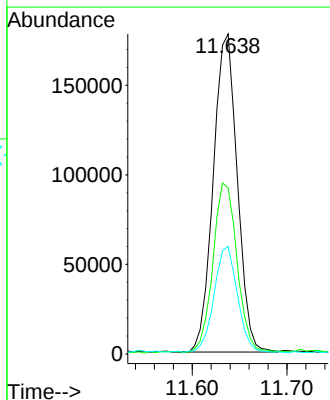
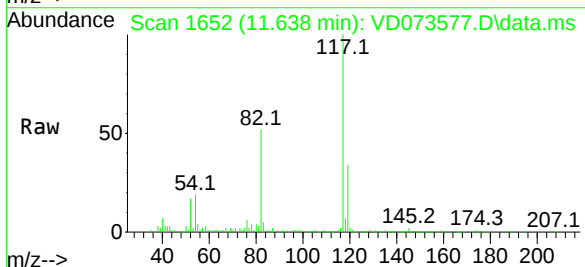
Instrument :
MSVOA_D
ClientSampleId :
40808

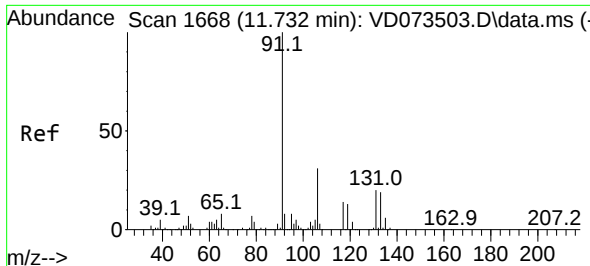
Tgt Ion: 95 Resp: 143040
Ion Ratio Lower Upper
95 100
174 76.9 0.0 152.8
176 73.1 0.0 145.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 1652
Delta R.T. 0.006 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

Tgt Ion: 117 Resp: 313116
Ion Ratio Lower Upper
117 100
82 51.4 45.3 67.9
119 33.1 26.6 40.0

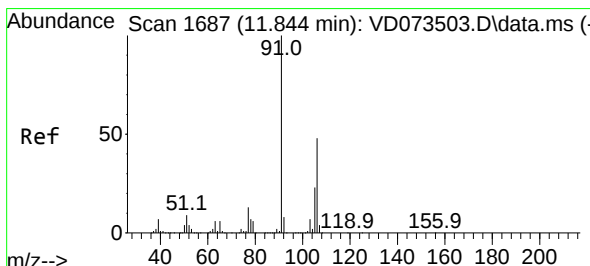
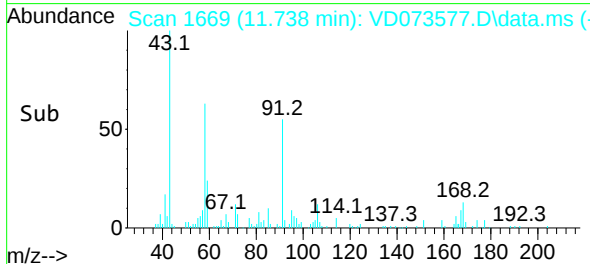
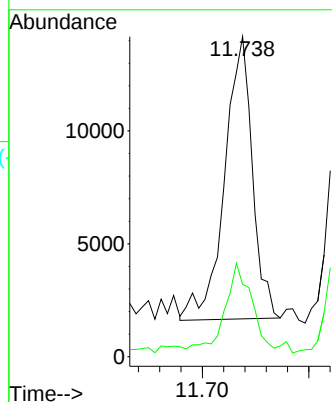
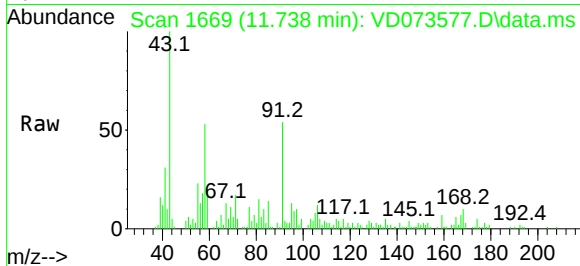




#67
Ethyl Benzene
Concen: 2.016 ug/l
RT: 11.738 min Scan# 1668
Delta R.T. 0.006 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

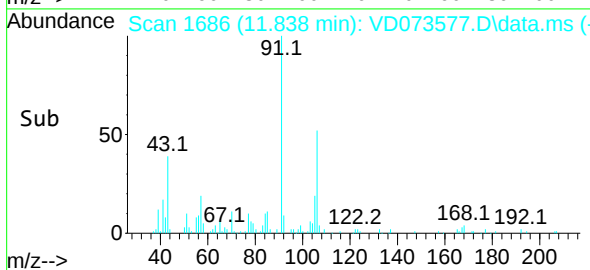
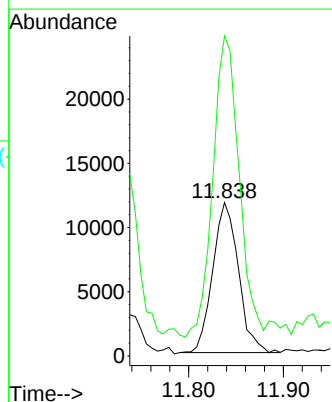
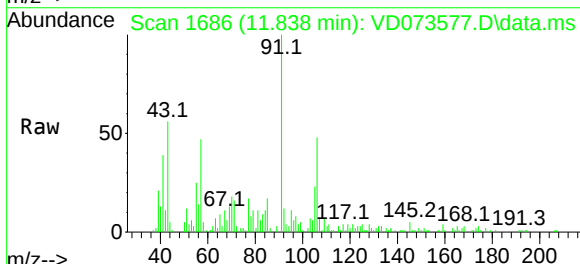
Instrument :
MSVOA_D
ClientSampleId :
40808

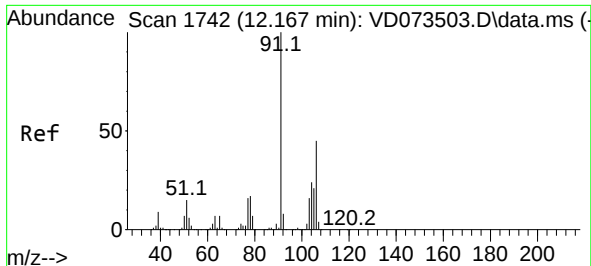
Tgt Ion: 91 Resp: 22700
Ion Ratio Lower Upper
91 100
106 22.2 24.2 36.4#



#68
m/p-Xylenes
Concen: 4.993 ug/l
RT: 11.838 min Scan# 1686
Delta R.T. -0.006 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

Tgt Ion:106 Resp: 22058
Ion Ratio Lower Upper
106 100
91 203.6 163.7 245.5

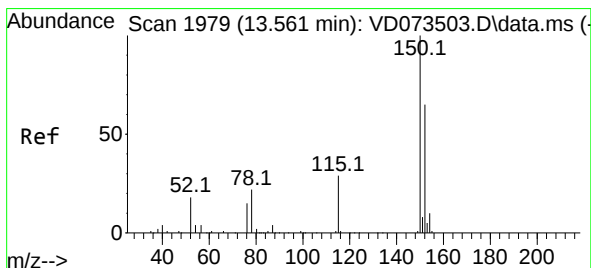
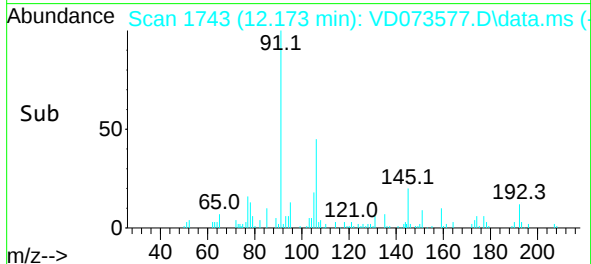
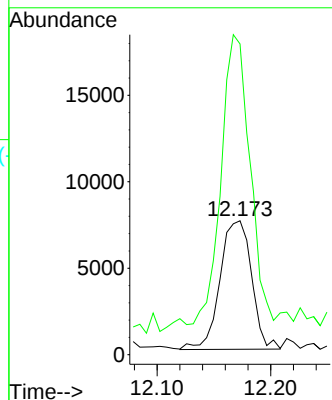
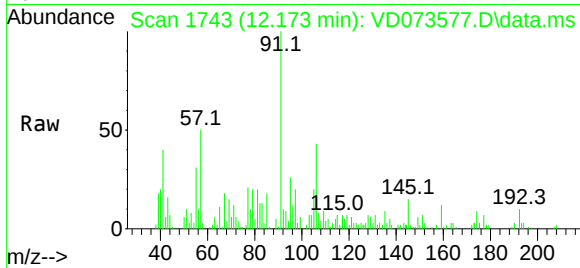




#69
o-Xylene
Concen: 3.529 ug/l
RT: 12.173 min Scan# 1743
Delta R.T. 0.006 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

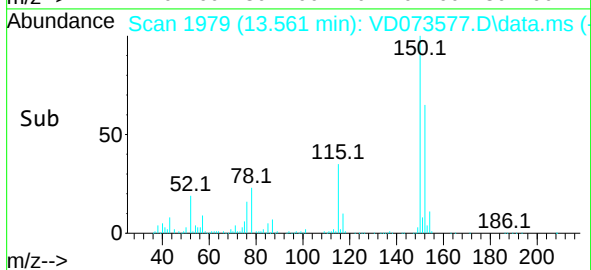
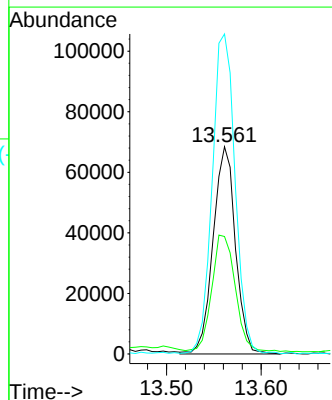
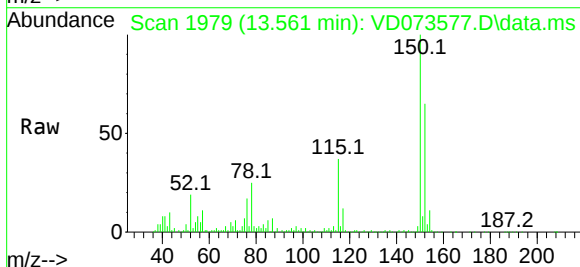
Instrument :
MSVOA_D
ClientSampleId :
40808

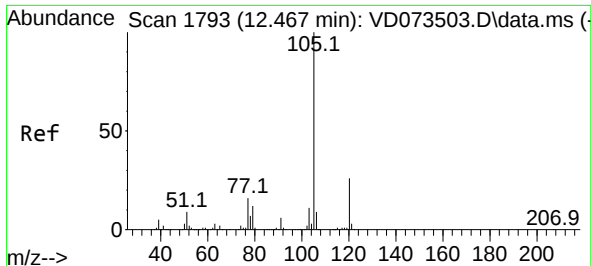
Tgt Ion:106 Resp: 14347
Ion Ratio Lower Upper
106 100
91 206.3 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

Tgt Ion:152 Resp: 112414
Ion Ratio Lower Upper
152 100
115 59.4 31.3 93.8
150 157.2 0.0 348.6

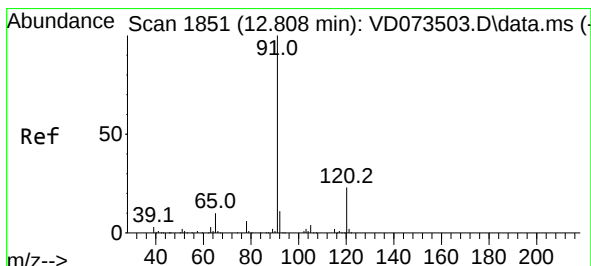
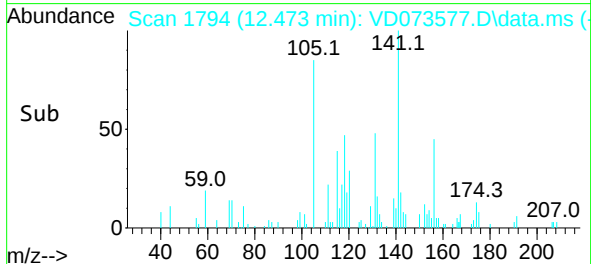
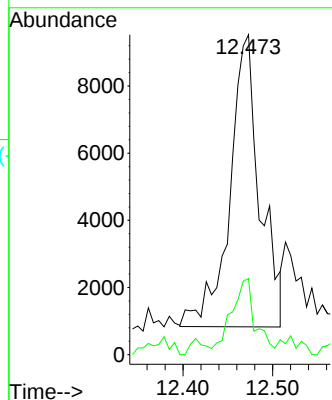
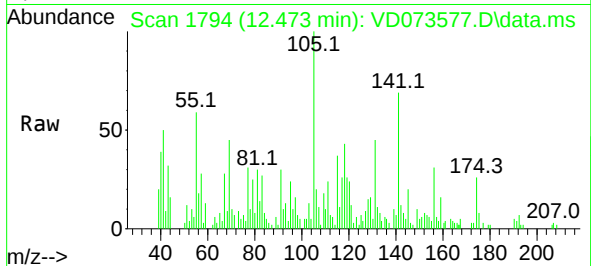




#73
Isopropylbenzene
Concen: 2.609 ug/l
RT: 12.473 min Scan# 1794
Delta R.T. 0.006 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

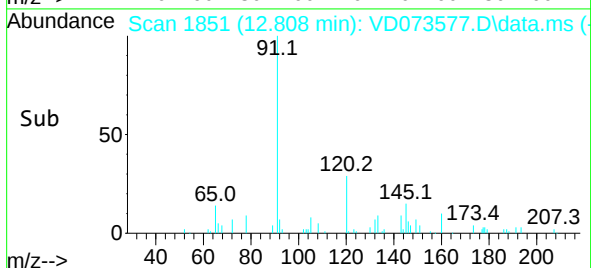
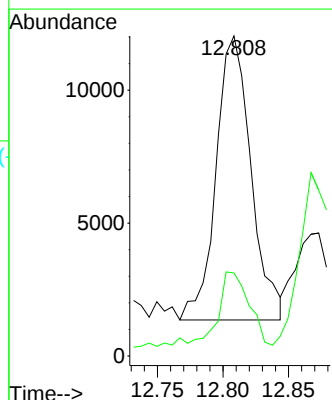
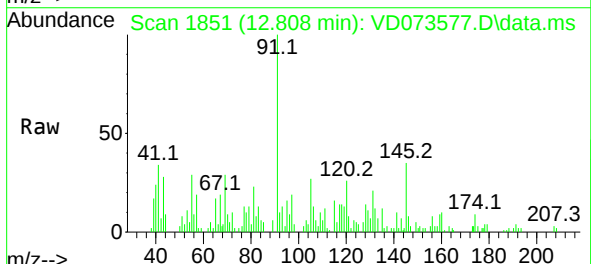
Instrument :
MSVOA_D
ClientSampleId :
40808

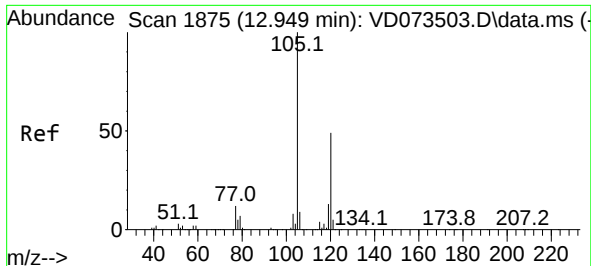
Tgt Ion:105 Resp: 20326
Ion Ratio Lower Upper
105 100
120 18.9 13.0 38.9



#78
n-propylbenzene
Concen: 2.047 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

Tgt Ion: 91 Resp: 19855
Ion Ratio Lower Upper
91 100
120 28.3 10.9 32.9

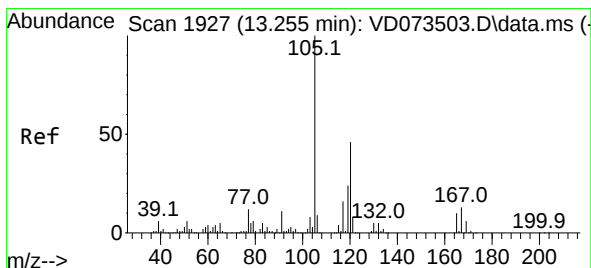
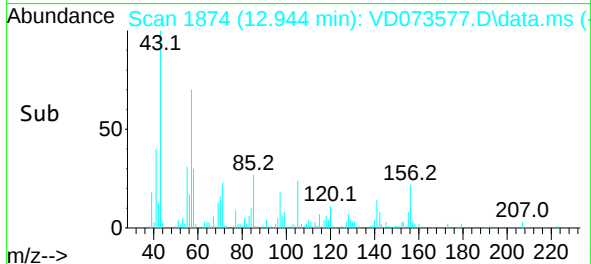
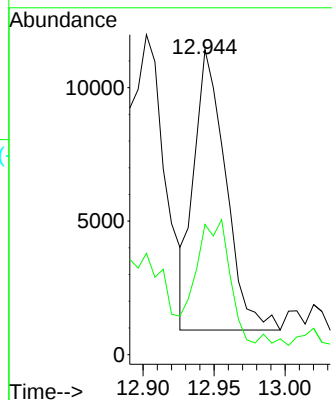
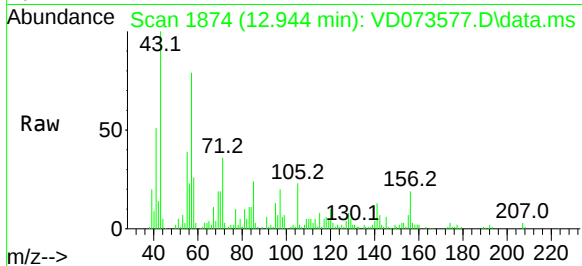




#80
1,3,5-Trimethylbenzene
Concen: 2.427 ug/l
RT: 12.944 min Scan# 11
Delta R.T. -0.005 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

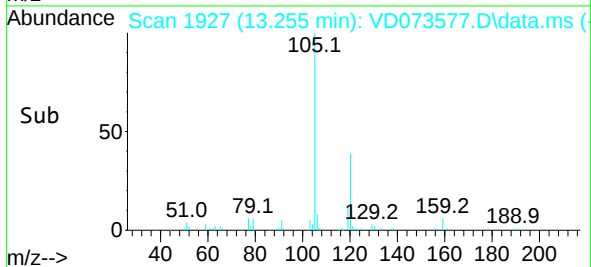
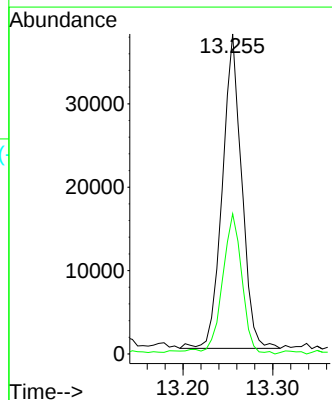
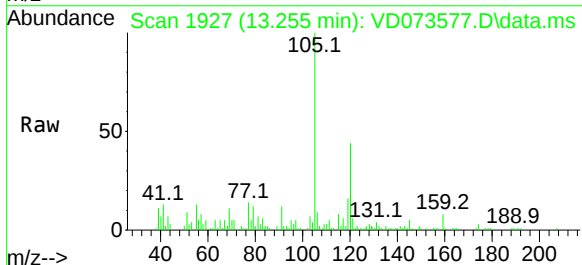
Instrument :
MSVOA_D
ClientSampleId :
40808

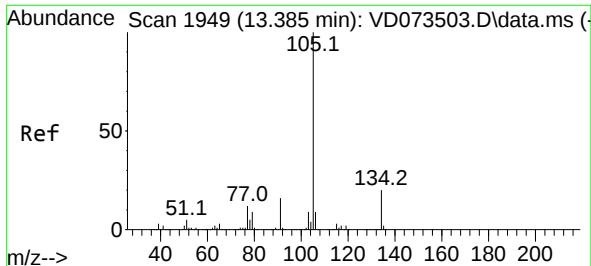
Tgt Ion:105 Resp: 16311
Ion Ratio Lower Upper
105 100
120 46.4 24.3 72.8



#84
1,2,4-Trimethylbenzene
Concen: 8.415 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

Tgt Ion:105 Resp: 56442
Ion Ratio Lower Upper
105 100
120 46.2 22.3 66.8

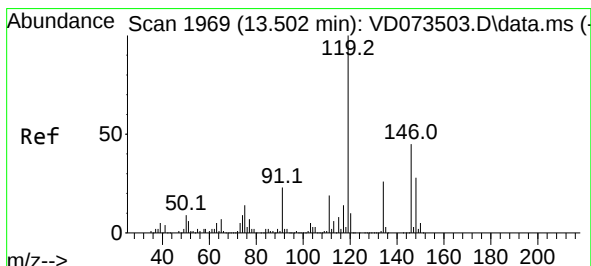
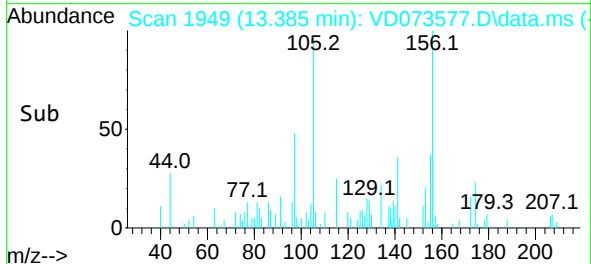
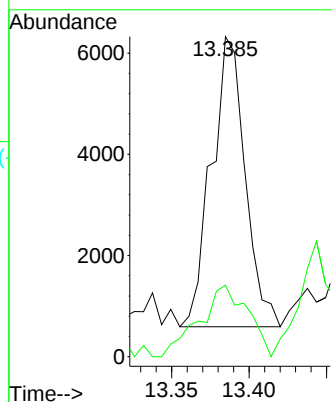
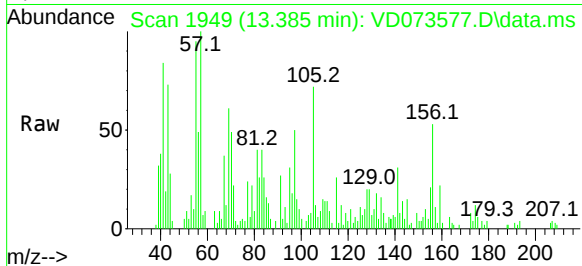




#85
 sec-Butylbenzene
 Concen: 1.019 ug/l
 RT: 13.385 min Scan# 1949
 Delta R.T. -0.000 min
 Lab File: VD073577.D
 Acq: 14 Jun 2022 19:03

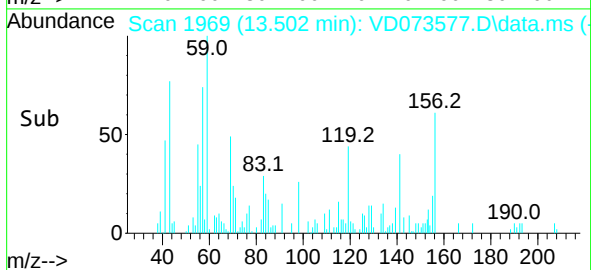
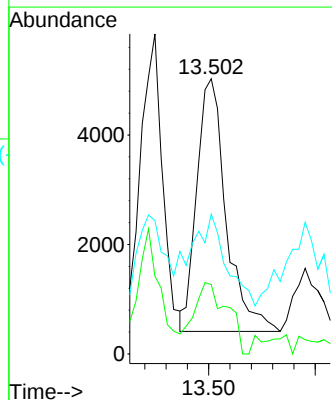
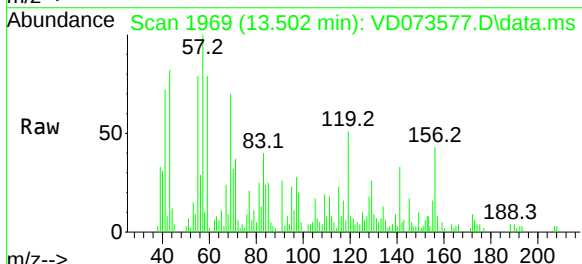
Instrument :
 MSVOA_D
 ClientSampleId :
 40808

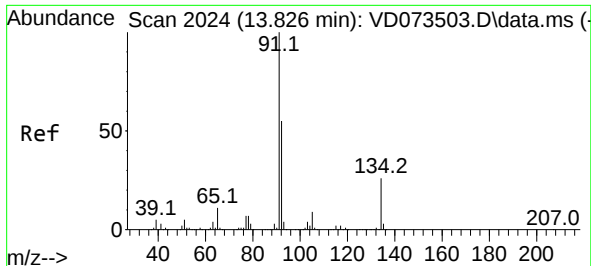
Tgt Ion:105 Resp: 8666
 Ion Ratio Lower Upper
 105 100
 134 35.1 9.8 29.3#



#86
 p-Isopropyltoluene
 Concen: 1.247 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD073577.D
 Acq: 14 Jun 2022 19:03

Tgt Ion:119 Resp: 8845
 Ion Ratio Lower Upper
 119 100
 134 32.1 12.9 38.6
 91 43.7 12.1 36.3#

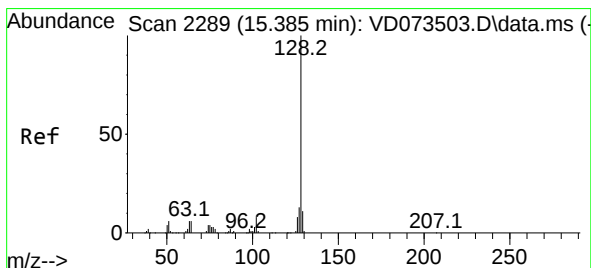
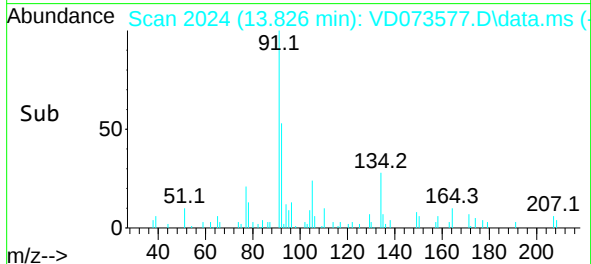
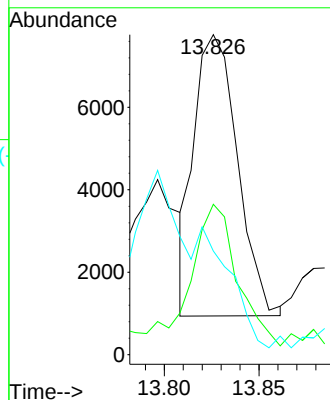
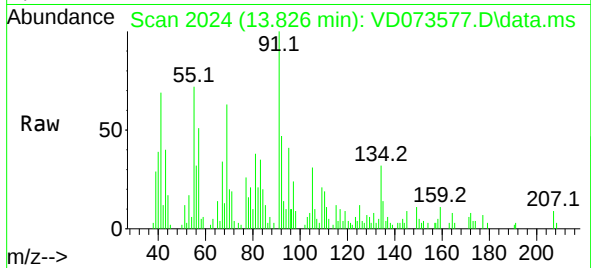




#89
n-Butylbenzene
Concen: 1.619 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.000 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

Instrument :
MSVOA_D
ClientSampleId :
40808

Tgt Ion: 91 Resp: 10831
Ion Ratio Lower Upper
91 100
92 56.9 26.6 79.8
134 0.0 12.3 36.9#



#95
Naphthalene
Concen: 7.283 ug/l
RT: 15.385 min Scan# 2289
Delta R.T. -0.000 min
Lab File: VD073577.D
Acq: 14 Jun 2022 19:03

Tgt Ion: 128 Resp: 13649
Ion Ratio Lower Upper
128 100
127 10.0 10.3 15.5#
129 14.9 8.4 12.6#

