

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
 Data File : VD073573.D
 Acq On : 14 Jun 2022 17:05
 Operator : VA/SY
 Sample : N3293-02
 Misc : 5.08G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 30874

Quant Time: Jun 15 01:37:28 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)

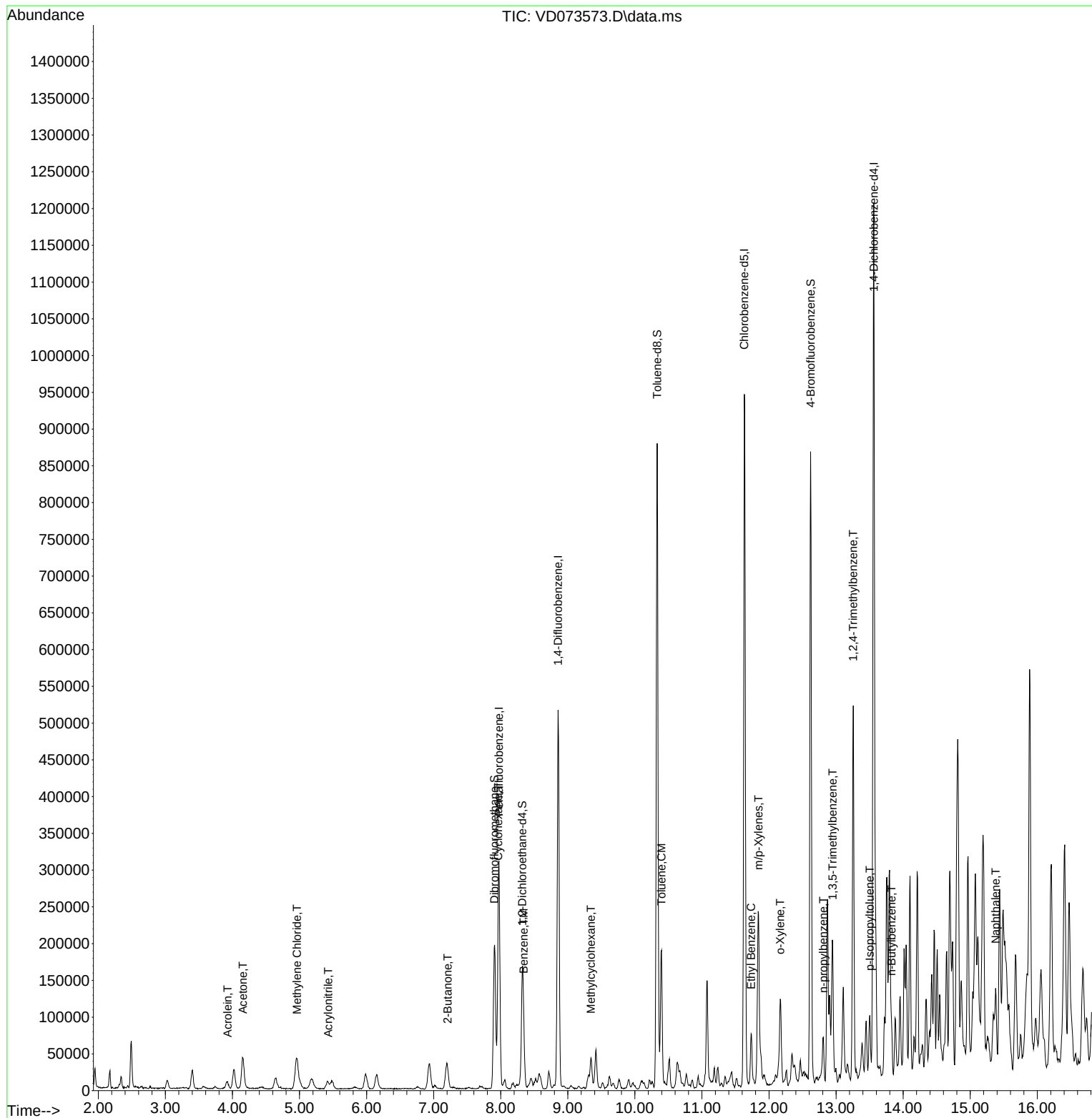
Internal Standards						
1) Pentafluorobenzene	7.973	168	221226	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.856	114	445375	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	561488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	317646	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.320	65	120255	50.654	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.300%			
35) Dibromofluoromethane	7.903	113	146391	51.115	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.240%			
50) Toluene-d8	10.332	98	570305	52.669	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.340%			
62) 4-Bromofluorobenzene	12.620	95	291784	74.228	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 148.460%#			
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.179	59	8033	Below Cal	#	74
13) Acrolein	3.926	56	12217	116.841	ug/l	90
15) Acrylonitrile	5.426	53	12780	25.017	ug/l	98
16) Acetone	4.156	43	74135	177.351	ug/l	95
20) Methylene Chloride	4.962	84	32753	9.883	ug/l #	73
25) 2-Butanone	7.209	43	20810	33.834	ug/l	91
31) Cyclohexane	7.961	56	8309	2.078	ug/l #	47
39) Methylcyclohexane	9.344	83	13834	2.760	ug/l #	84
40) Benzene	8.344	78	40372	3.227	ug/l	93
52) Toluene	10.397	92	81835	10.198	ug/l	98
67) Ethyl Benzene	11.732	91	47786	2.367	ug/l	98
68) m/p-Xylenes	11.844	106	73037	9.219	ug/l	98
69) o-Xylene	12.167	106	30403	4.170	ug/l	100
78) n-propylbenzene	12.808	91	46676	1.703	ug/l	96
80) 1,3,5-Trimethylbenzene	12.949	105	74758	3.937	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	280356	14.792	ug/l	98
86) p-Isopropyltoluene	13.502	119	39033	1.948	ug/l	96
89) n-Butylbenzene	13.826	91	34004	1.799	ug/l #	72
95) Naphthalene	15.379	128	48306	8.060	ug/l #	92

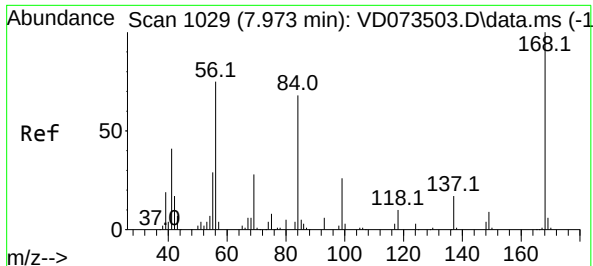
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
Data File : VD073573.D
Acq On : 14 Jun 2022 17:05
Operator : VA/SY
Sample : N3293-02
Misc : 5.08G/5.00ml/MSVOA_D/SOIL
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
30874

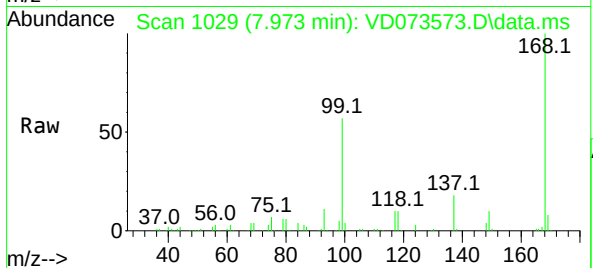
Quant Time: Jun 15 01:37:28 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 12:33:32 2022
Response via : Initial Calibration



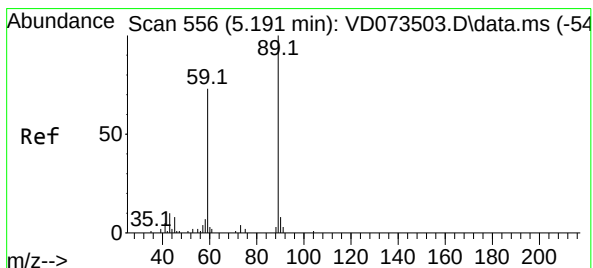
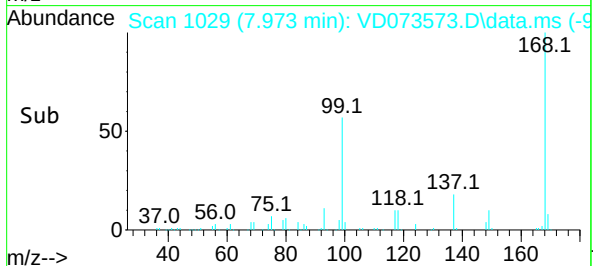
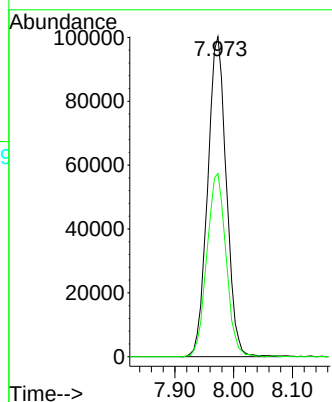


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073573.D
Acq: 14 Jun 2022 17:05

Instrument :
MSVOA_D
ClientSampleId :
30874

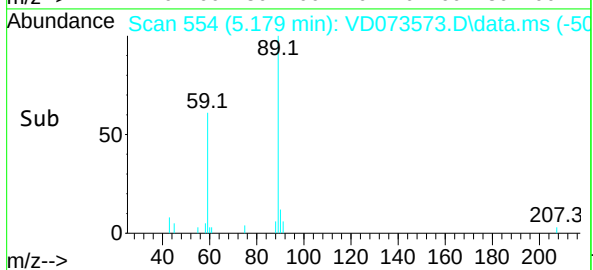
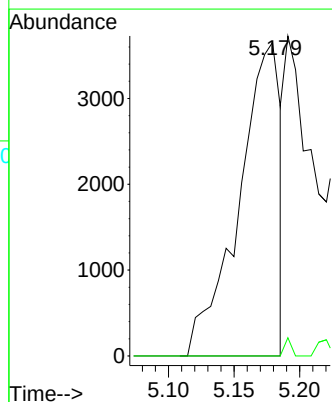
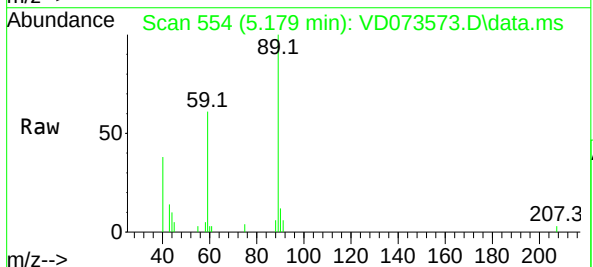


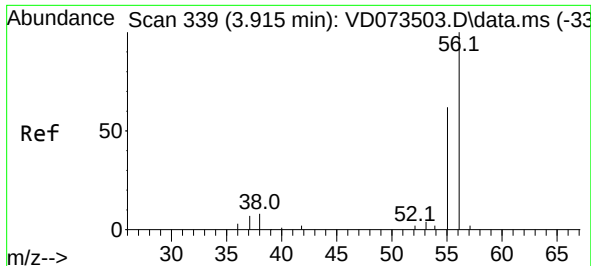
Tgt Ion:168 Resp: 221226
Ion Ratio Lower Upper
168 100
99 57.2 49.8 74.6



#11
Tert butyl alcohol
Concen: Below Cal
RT: 5.179 min Scan# 554
Delta R.T. -0.012 min
Lab File: VD073573.D
Acq: 14 Jun 2022 17:05

Tgt Ion: 59 Resp: 8033
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.6#





#13

Acrolein

Concen: 116.841 ug/l

RT: 3.926 min Scan# 341

Delta R.T. 0.011 min

Lab File: VD073573.D

Acq: 14 Jun 2022 17:05

Instrument :

MSVOA_D

ClientSampleId :

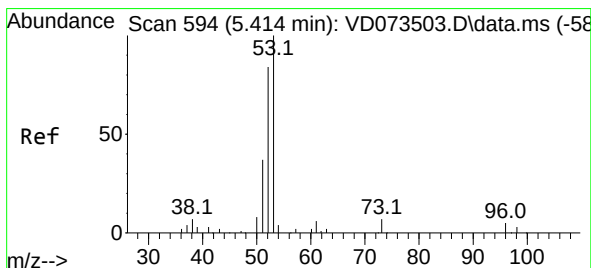
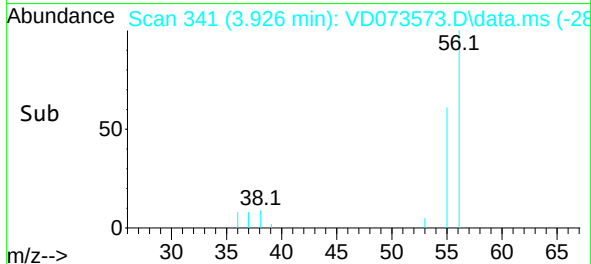
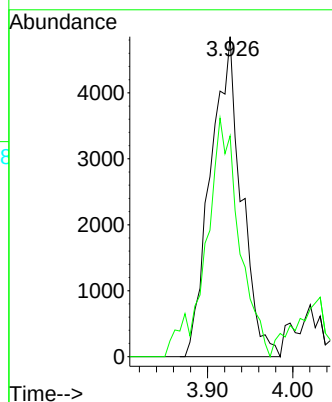
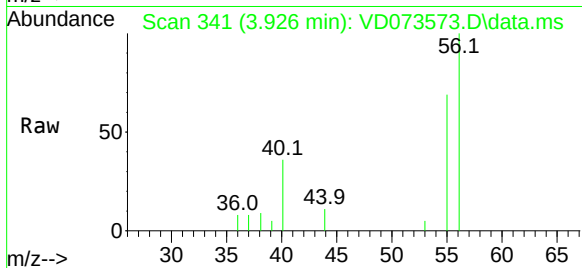
30874

Tgt Ion: 56 Resp: 12217

Ion Ratio Lower Upper

56 100

55 80.0 57.1 85.7



#15

Acrylonitrile

Concen: 25.017 ug/l

RT: 5.426 min Scan# 596

Delta R.T. 0.012 min

Lab File: VD073573.D

Acq: 14 Jun 2022 17:05

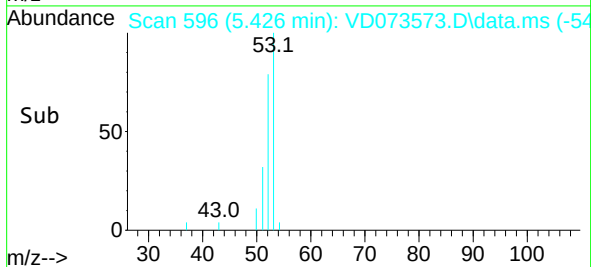
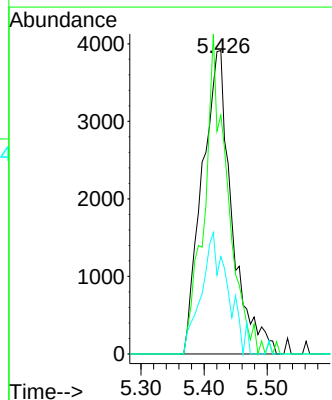
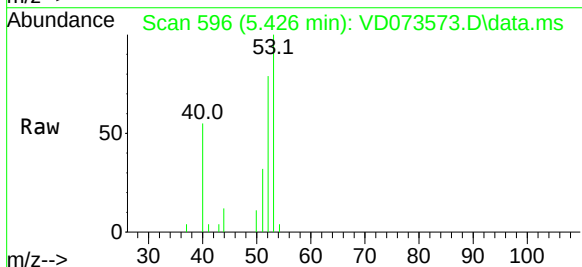
Tgt Ion: 53 Resp: 12780

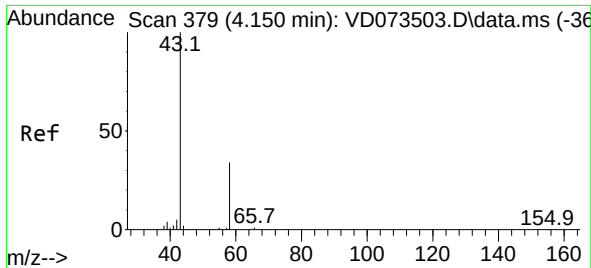
Ion Ratio Lower Upper

53 100

52 82.4 67.2 100.8

51 35.7 30.3 45.5

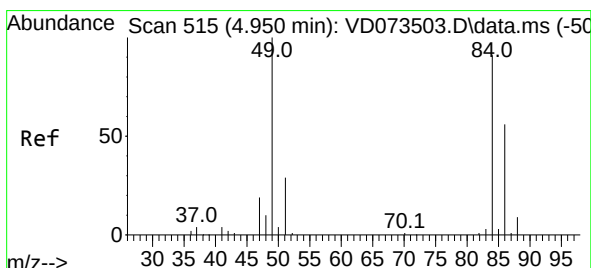
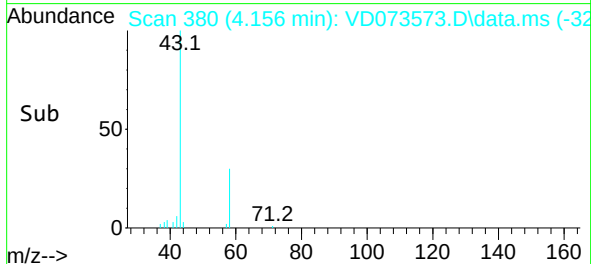
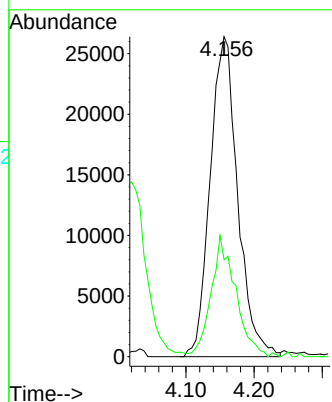
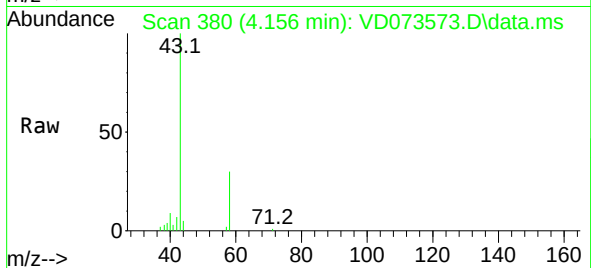




#16
Acetone
Concen: 177.351 ug/l
RT: 4.156 min Scan# 31
Delta R.T. 0.006 min
Lab File: VD073573.D
Acq: 14 Jun 2022 17:05

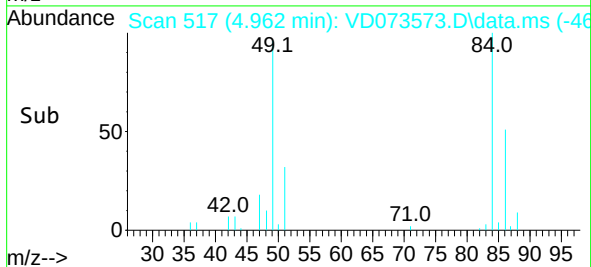
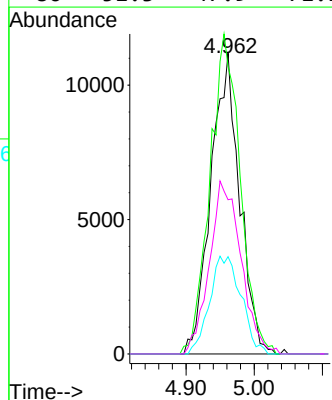
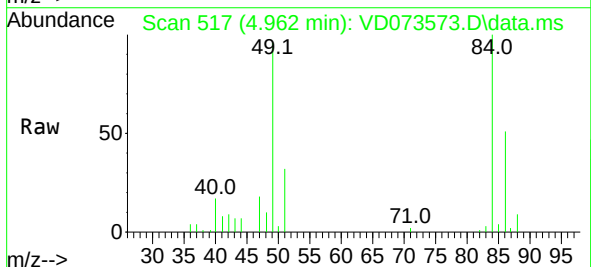
Instrument :
MSVOA_D
ClientSampleId :
30874

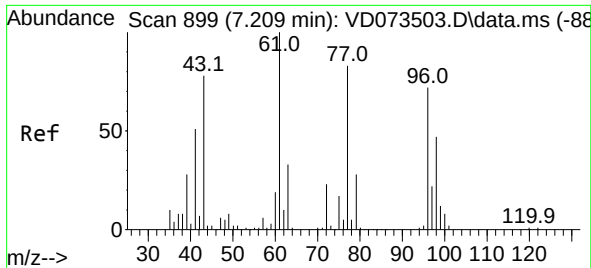
Tgt Ion: 43 Resp: 74135
Ion Ratio Lower Upper
43 100
58 30.3 22.1 33.1



#20
Methylene Chloride
Concen: 9.883 ug/l
RT: 4.962 min Scan# 517
Delta R.T. 0.012 min
Lab File: VD073573.D
Acq: 14 Jun 2022 17:05

Tgt Ion: 84 Resp: 32753
Ion Ratio Lower Upper
84 100
49 95.6 112.8 169.2#
51 32.3 32.6 48.8#
86 51.3 47.9 71.9

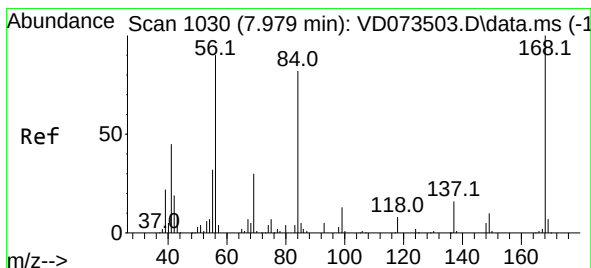
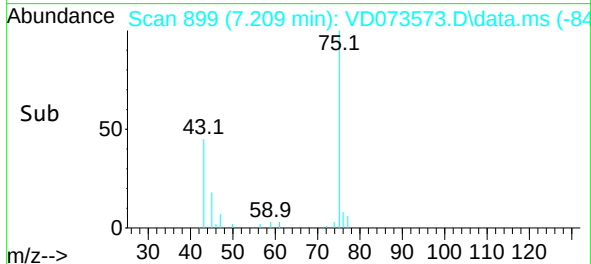
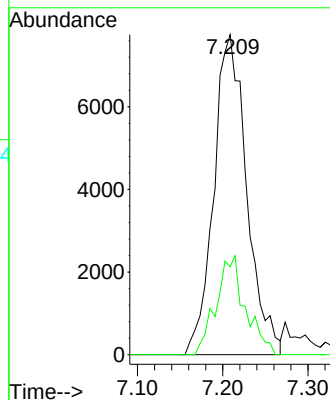
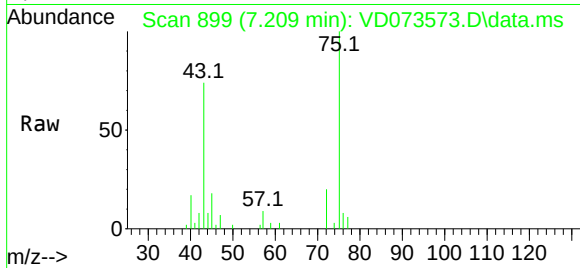




#25
2-Butanone
Concen: 33.834 ug/l
RT: 7.209 min Scan# 899
Delta R.T. -0.000 min
Lab File: VD073573.D
Acq: 14 Jun 2022 17:05

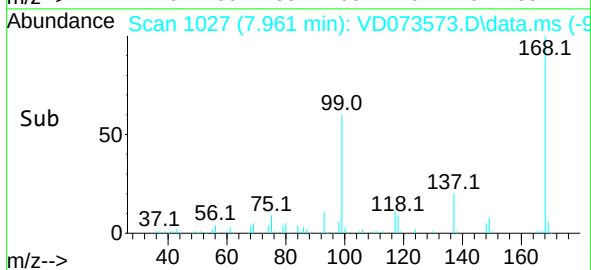
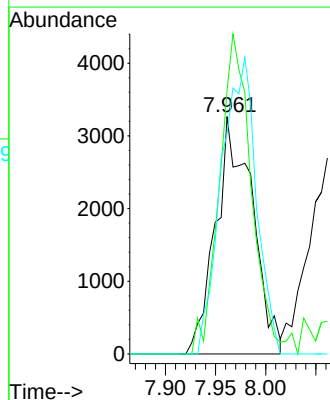
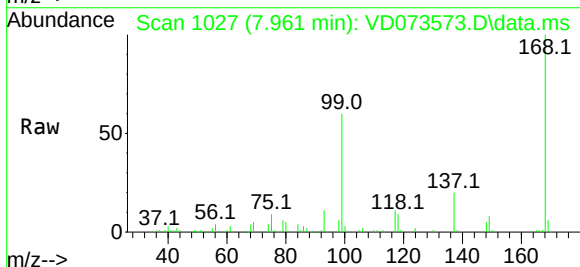
Instrument :
MSVOA_D
ClientSampleId :
30874

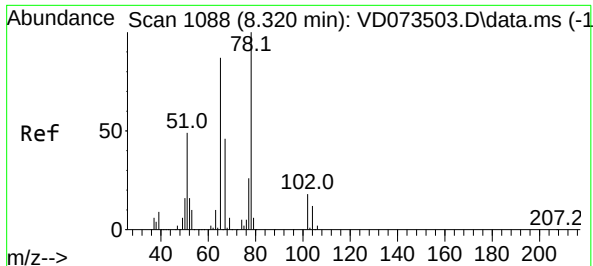
Tgt Ion: 43 Resp: 20810
Ion Ratio Lower Upper
43 100
72 27.5 18.6 27.8



#31
Cyclohexane
Concen: 2.078 ug/l
RT: 7.961 min Scan# 1027
Delta R.T. -0.018 min
Lab File: VD073573.D
Acq: 14 Jun 2022 17:05

Tgt Ion: 56 Resp: 8309
Ion Ratio Lower Upper
56 100
69 111.1 25.4 38.2#
84 92.8 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 50.654 ug/l

RT: 8.320 min Scan# 1108

Delta R.T. 0.000 min

Lab File: VD073573.D

Acq: 14 Jun 2022 17:05

Instrument :

MSVOA_D

ClientSampleId :

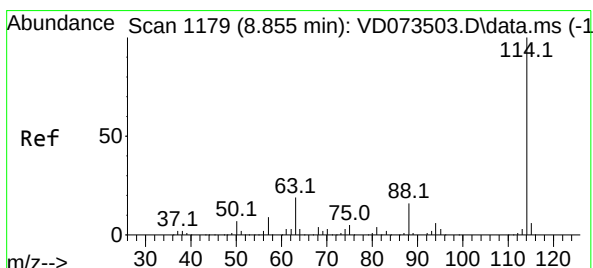
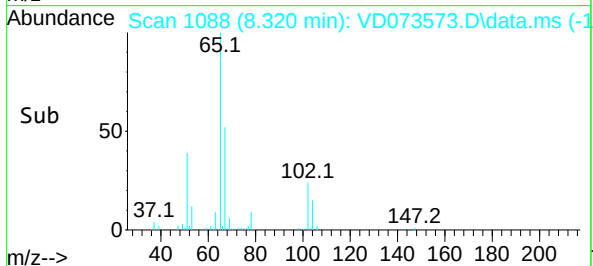
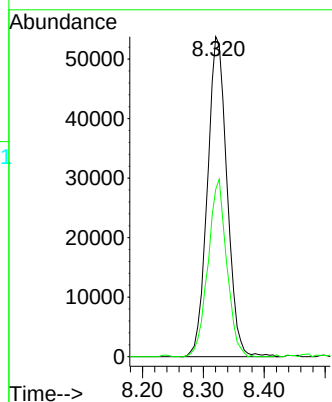
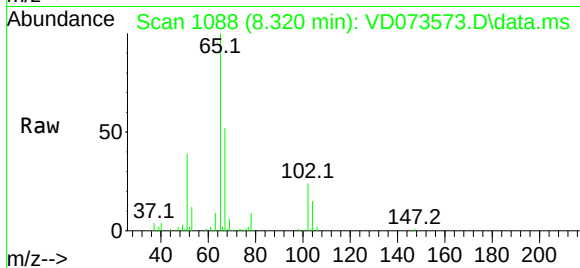
30874

Tgt Ion: 65 Resp: 120255

Ion Ratio Lower Upper

65 100

67 52.8 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: VD073573.D

Acq: 14 Jun 2022 17:05

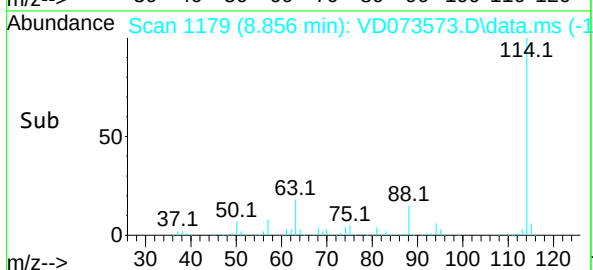
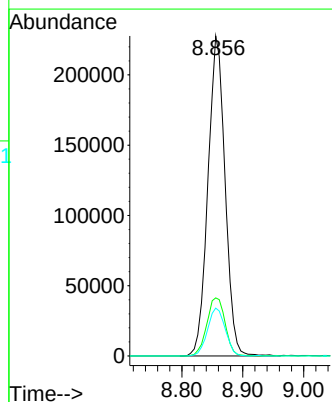
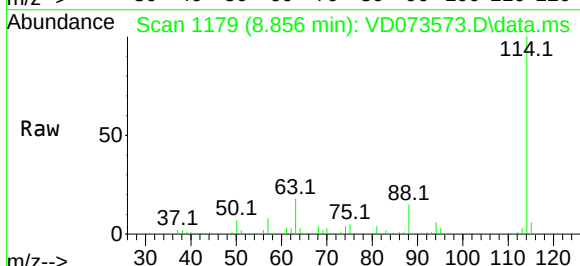
Tgt Ion: 114 Resp: 445375

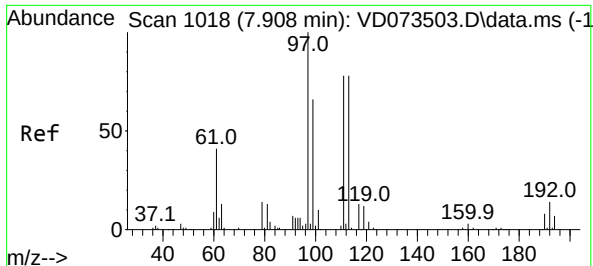
Ion Ratio Lower Upper

114 100

63 18.1 0.0 46.6

88 14.9 0.0 33.2





#35

Dibromofluoromethane

Concen: 51.115 ug/l

RT: 7.903 min Scan# 1017

Delta R.T. -0.005 min

Lab File: VD073573.D

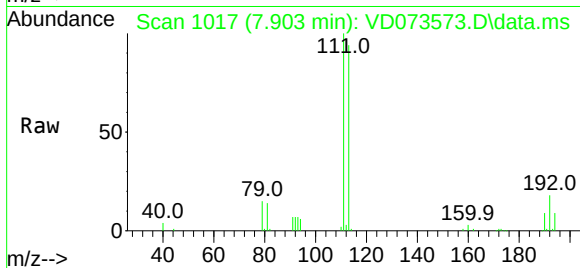
Acq: 14 Jun 2022 17:05

Instrument :

MSVOA_D

ClientSampleId :

30874



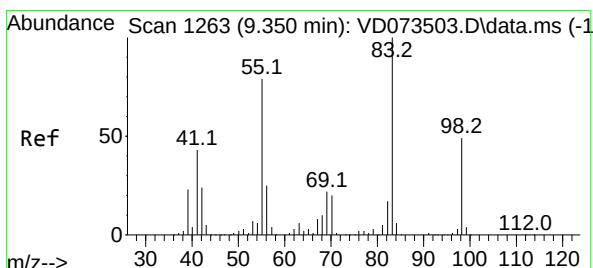
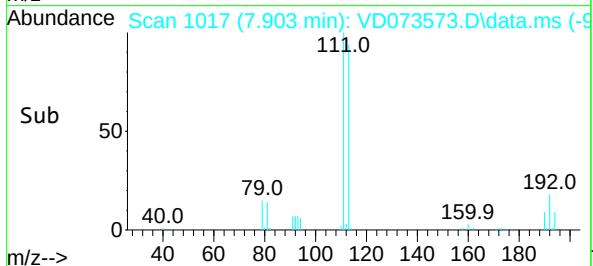
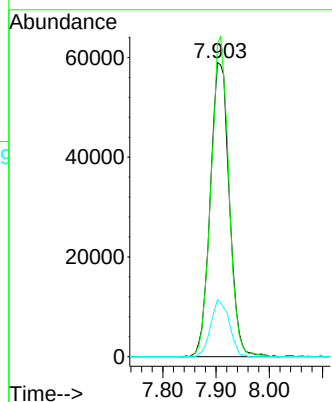
Tgt Ion:113 Resp: 146391

Ion Ratio Lower Upper

113 100

111 101.6 83.8 125.6

192 18.9 14.6 21.8



#39

Methylcyclohexane

Concen: 2.760 ug/l

RT: 9.344 min Scan# 1262

Delta R.T. -0.006 min

Lab File: VD073573.D

Acq: 14 Jun 2022 17:05

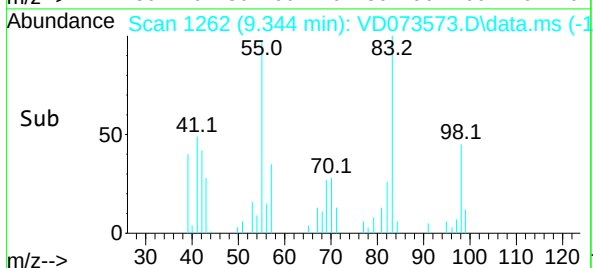
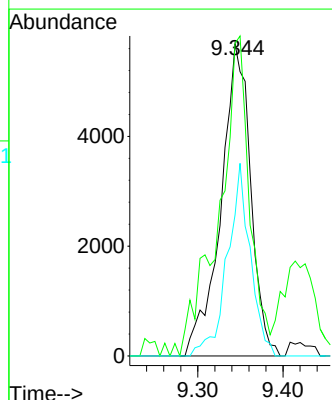
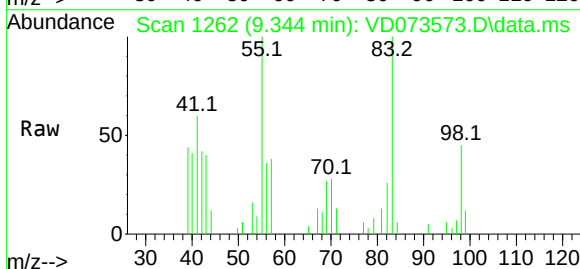
Tgt Ion: 83 Resp: 13834

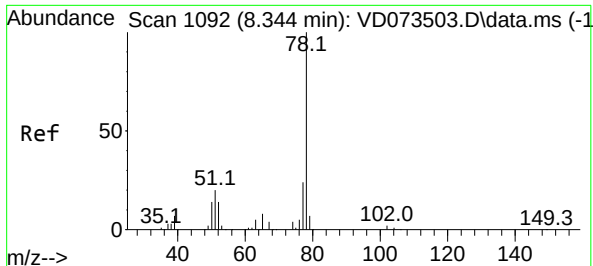
Ion Ratio Lower Upper

83 100

55 100.2 63.2 94.8#

98 45.3 38.2 57.4

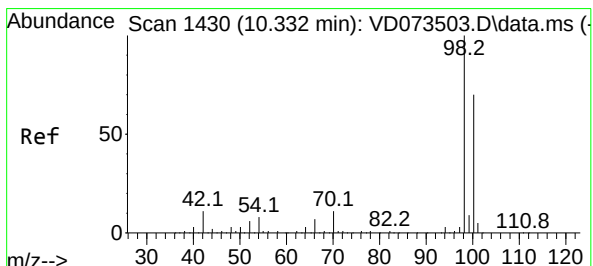
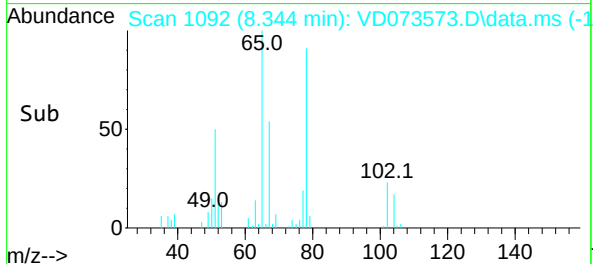
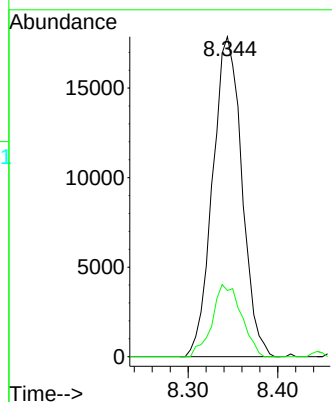
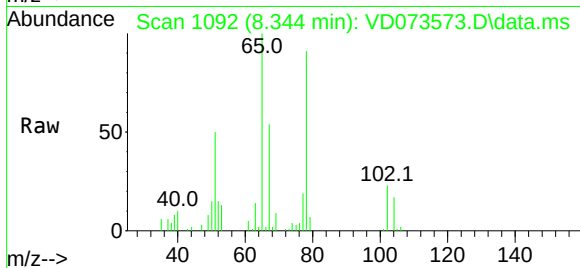




#40
Benzene
Concen: 3.227 ug/l
RT: 8.344 min Scan# 1092
Delta R.T. -0.000 min
Lab File: VD073573.D
Acq: 14 Jun 2022 17:05

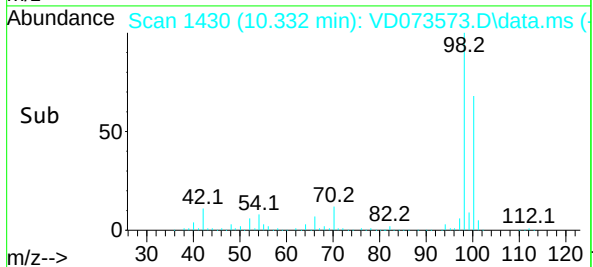
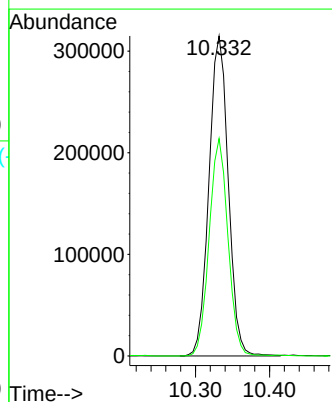
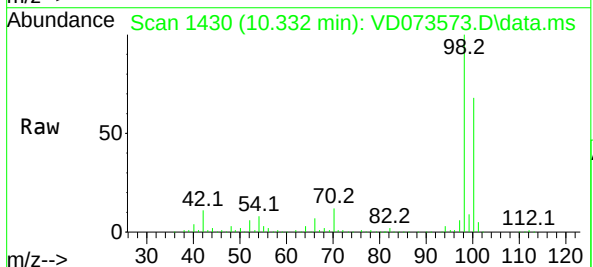
Instrument :
MSVOA_D
ClientSampleId :
30874

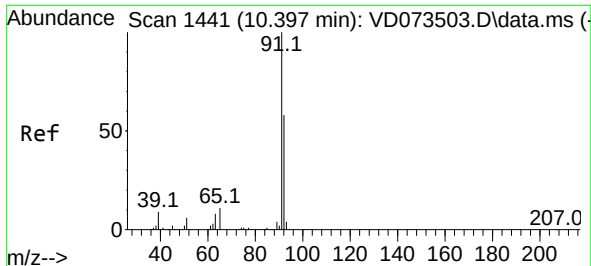
Tgt Ion: 78 Resp: 40372
Ion Ratio Lower Upper
78 100
77 20.7 19.1 28.7



#50
Toluene-d8
Concen: 52.669 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073573.D
Acq: 14 Jun 2022 17:05

Tgt Ion: 98 Resp: 570305
Ion Ratio Lower Upper
98 100
100 66.1 52.4 78.6

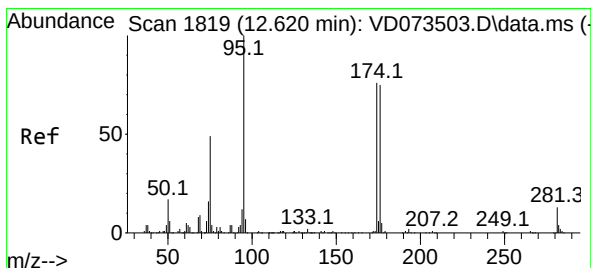
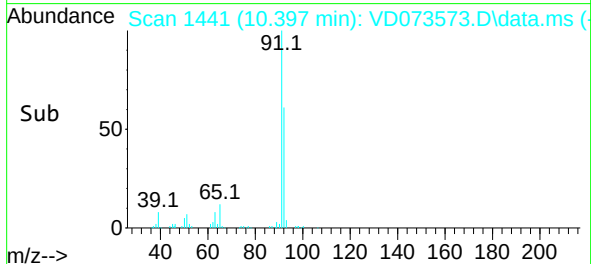
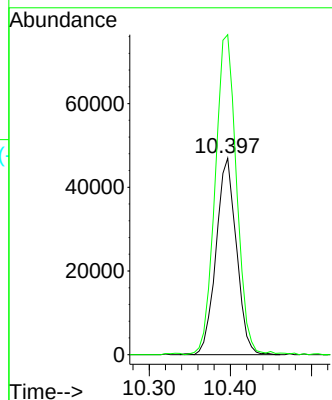
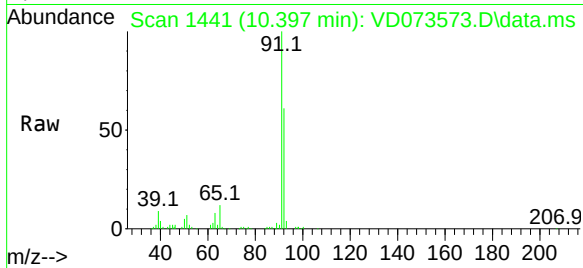




#52
Toluene
Concen: 10.198 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD073573.D
Acq: 14 Jun 2022 17:05

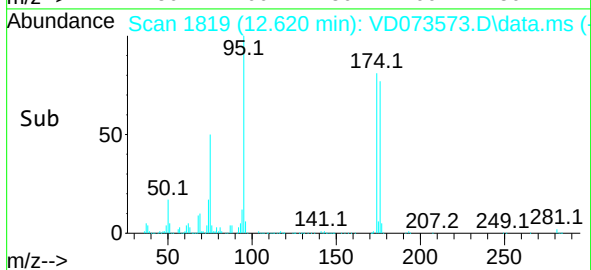
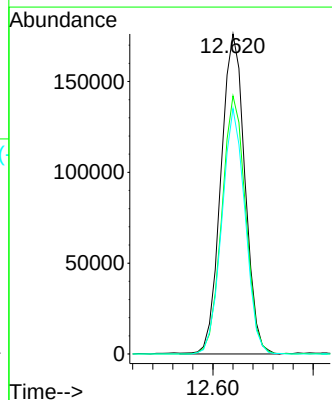
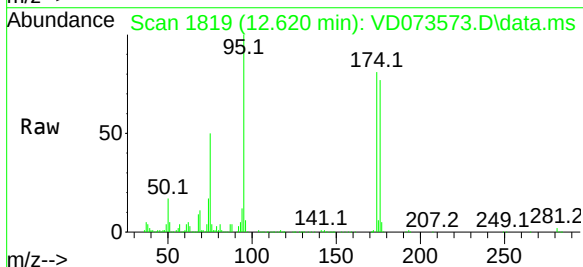
Instrument :
MSVOA_D
ClientSampleId :
30874

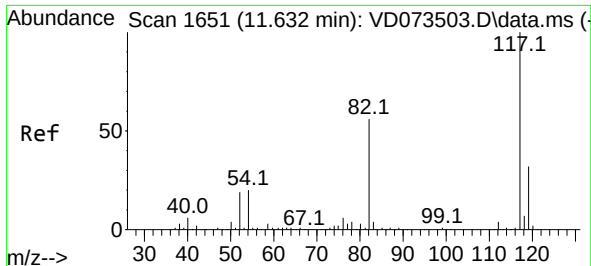
Tgt Ion: 92 Resp: 81835
Ion Ratio Lower Upper
92 100
91 171.7 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 74.228 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. 0.000 min
Lab File: VD073573.D
Acq: 14 Jun 2022 17:05

Tgt Ion: 95 Resp: 291784
Ion Ratio Lower Upper
95 100
174 79.6 0.0 152.8
176 74.3 0.0 145.4

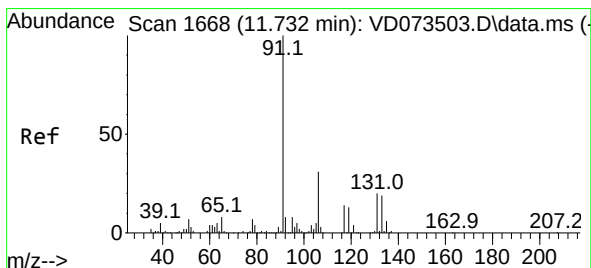
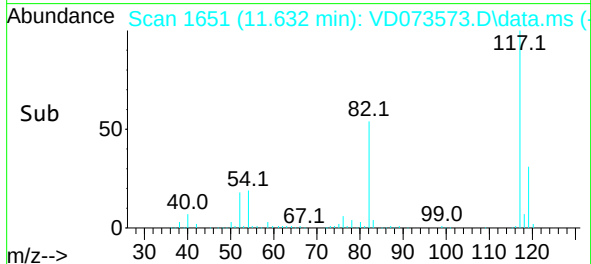
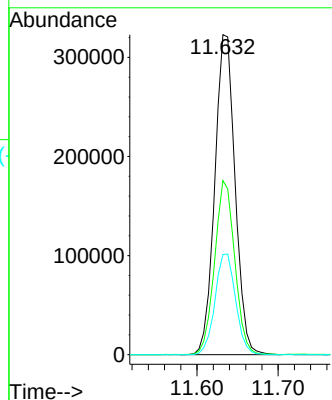
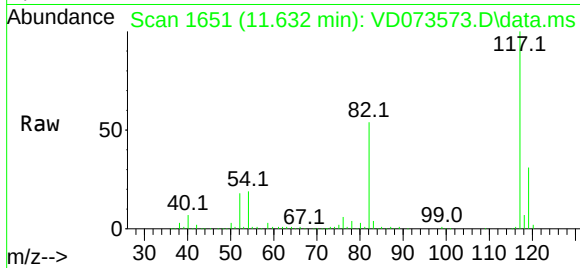




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.000 min
Lab File: VD073573.D
Acq: 14 Jun 2022 17:05

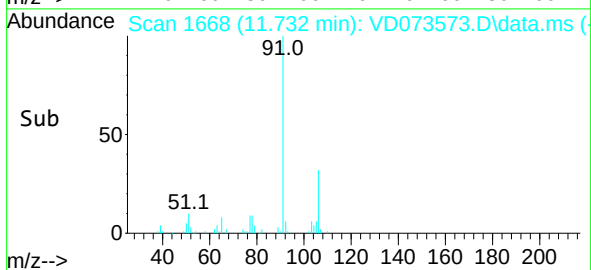
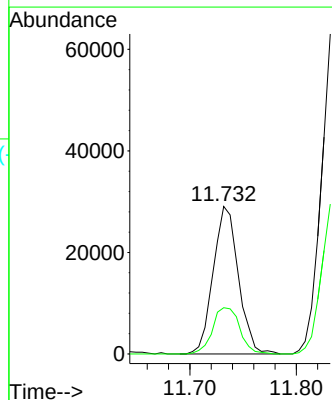
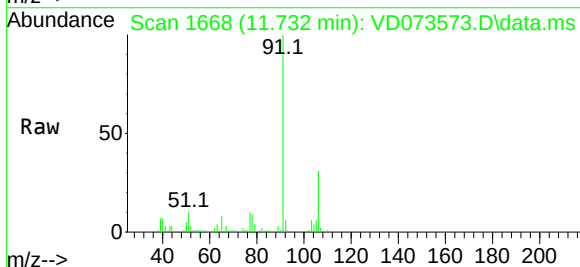
Instrument :
MSVOA_D
ClientSampleId :
30874

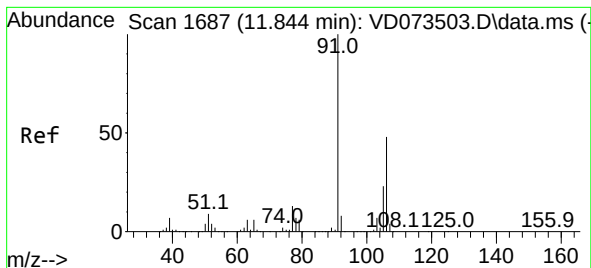
Tgt Ion:117 Resp: 561488
Ion Ratio Lower Upper
117 100
82 54.4 45.3 67.9
119 31.3 26.6 40.0



#67
Ethyl Benzene
Concen: 2.367 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.000 min
Lab File: VD073573.D
Acq: 14 Jun 2022 17:05

Tgt Ion: 91 Resp: 47786
Ion Ratio Lower Upper
91 100
106 31.3 24.2 36.4

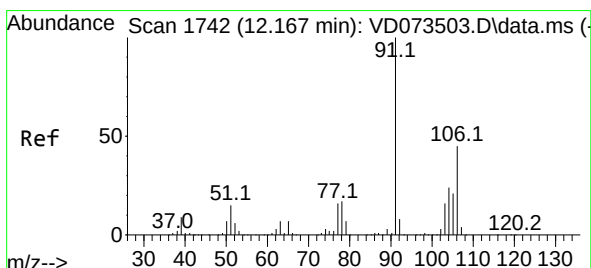
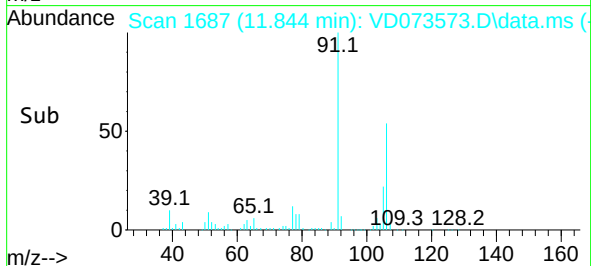
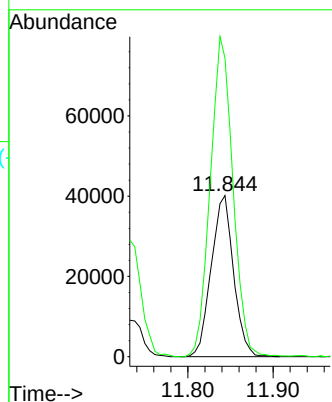
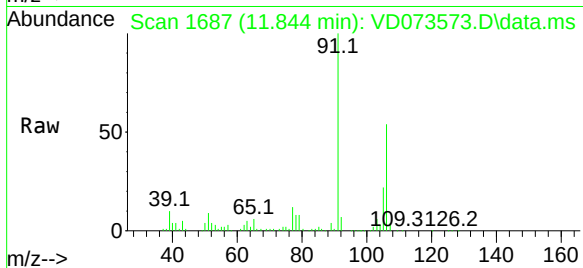




#68
m/p-Xylenes
Concen: 9.219 ug/l
RT: 11.844 min Scan# 1687
Delta R.T. -0.000 min
Lab File: VD073573.D
Acq: 14 Jun 2022 17:05

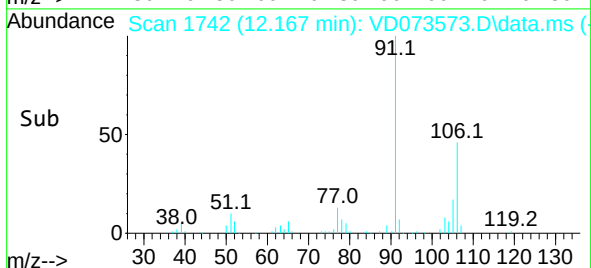
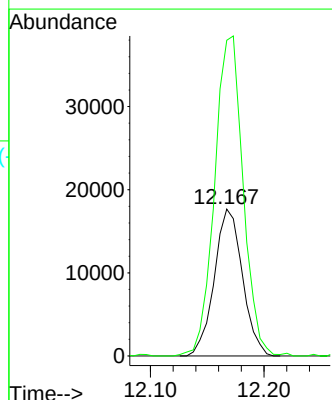
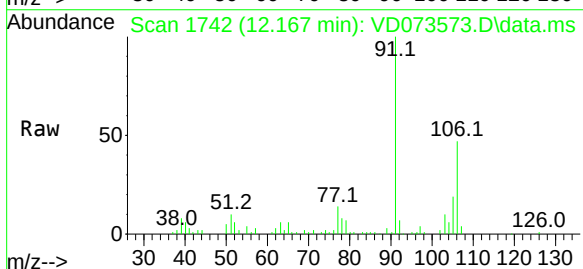
Instrument :
MSVOA_D
ClientSampleId :
30874

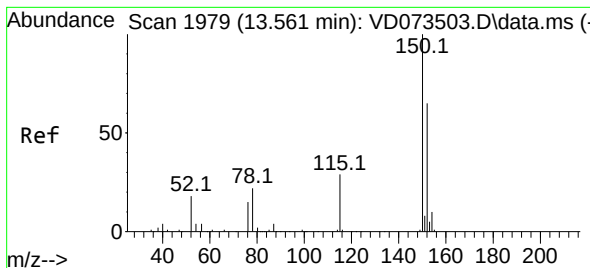
Tgt Ion:106 Resp: 73037
Ion Ratio Lower Upper
106 100
91 201.8 163.7 245.5



#69
o-Xylene
Concen: 4.170 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. 0.000 min
Lab File: VD073573.D
Acq: 14 Jun 2022 17:05

Tgt Ion:106 Resp: 30403
Ion Ratio Lower Upper
106 100
91 220.7 110.4 331.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.561 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VD073573.D

Acq: 14 Jun 2022 17:05

Instrument :

MSVOA_D

ClientSampleId :

30874

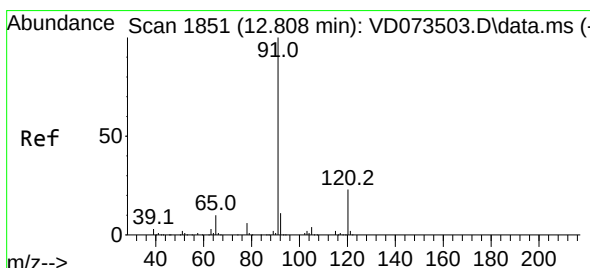
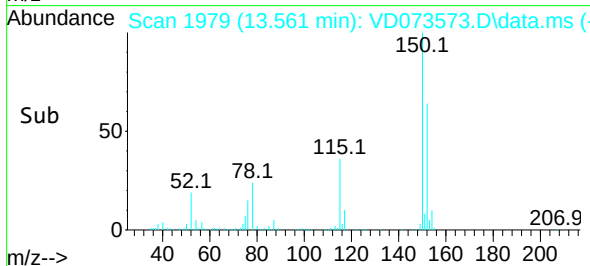
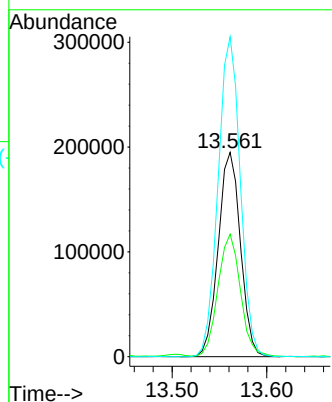
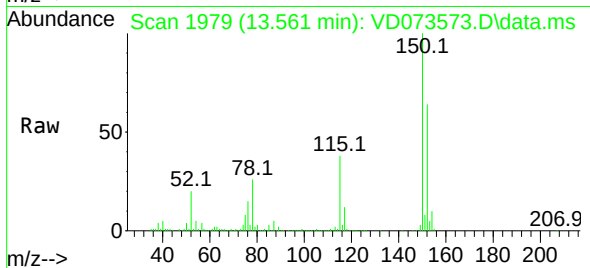
Tgt Ion:152 Resp: 317646

Ion Ratio Lower Upper

152 100

115 60.9 31.3 93.8

150 156.2 0.0 348.6



#78

n-propylbenzene

Concen: 1.703 ug/l

RT: 12.808 min Scan# 1851

Delta R.T. 0.000 min

Lab File: VD073573.D

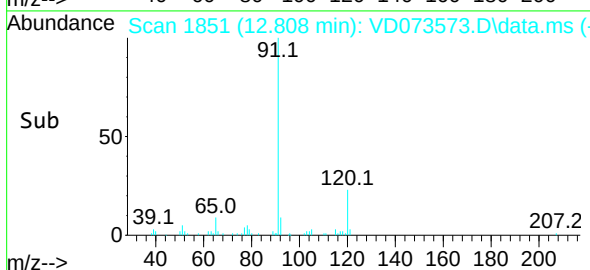
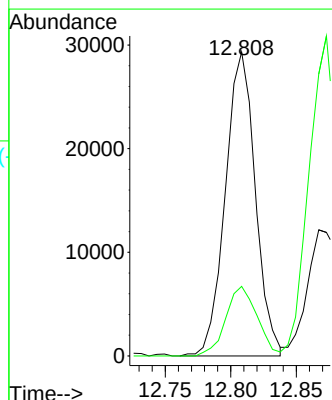
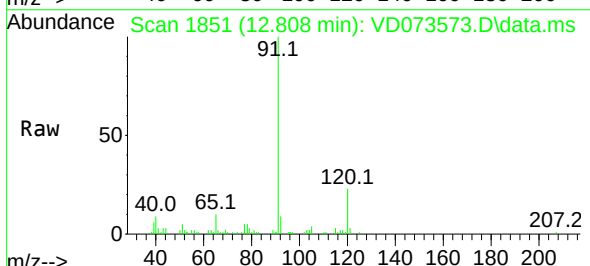
Acq: 14 Jun 2022 17:05

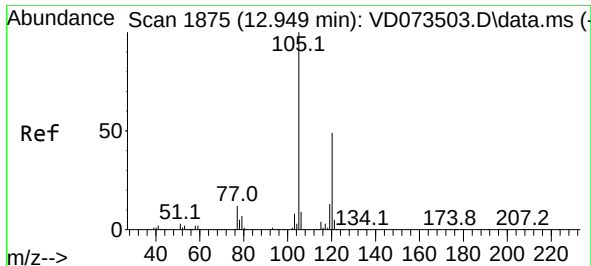
Tgt Ion: 91 Resp: 46676

Ion Ratio Lower Upper

91 100

120 23.9 10.9 32.9

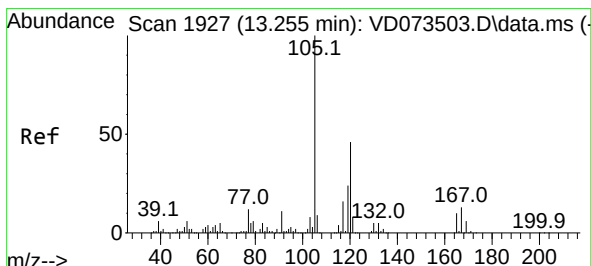
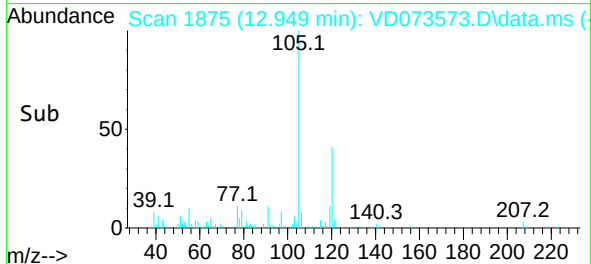
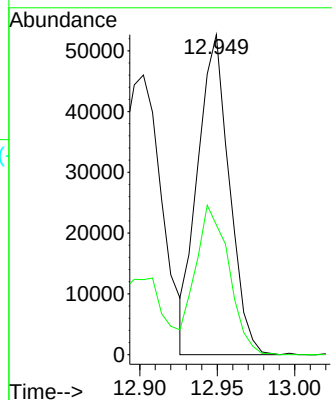
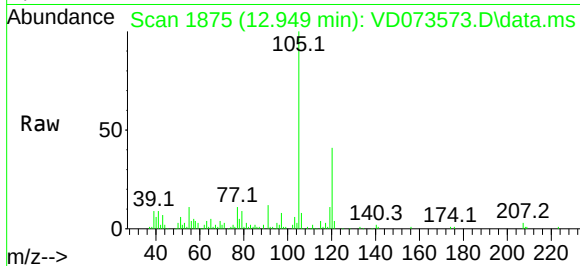




#80
 1,3,5-Trimethylbenzene
 Concen: 3.937 ug/l
 RT: 12.949 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: VD073573.D
 Acq: 14 Jun 2022 17:05

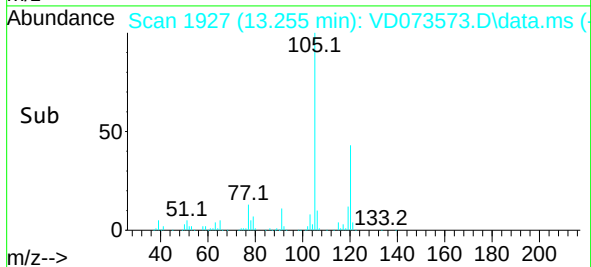
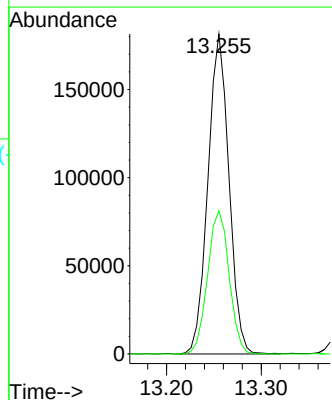
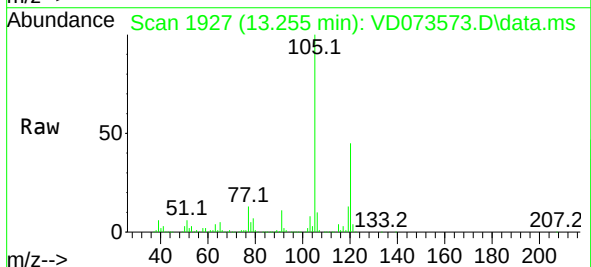
Instrument :
 MSVOA_D
 ClientSampleId :
 30874

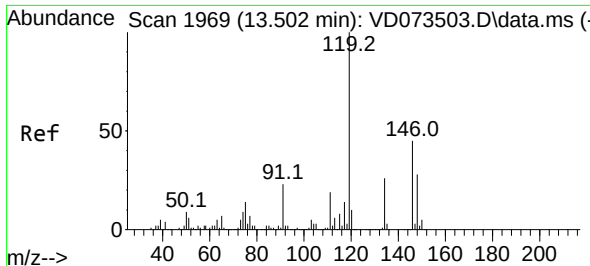
Tgt Ion:105 Resp: 74758
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.3 72.8



#84
 1,2,4-Trimethylbenzene
 Concen: 14.792 ug/l
 RT: 13.255 min Scan# 1927
 Delta R.T. 0.000 min
 Lab File: VD073573.D
 Acq: 14 Jun 2022 17:05

Tgt Ion:105 Resp: 280356
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.3 66.8

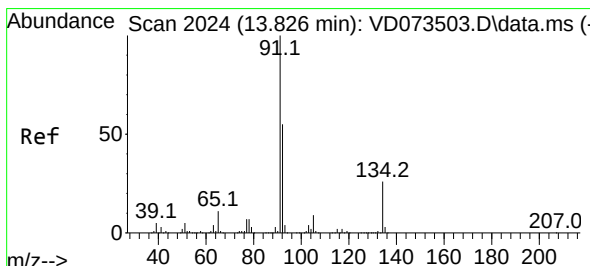
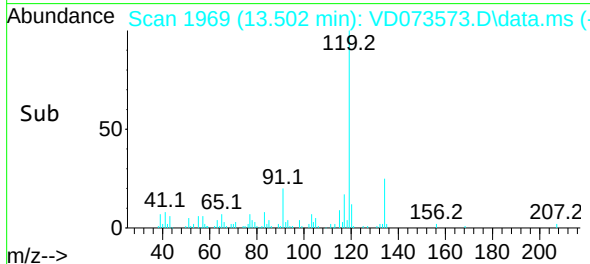
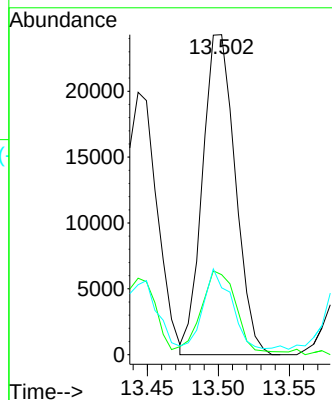
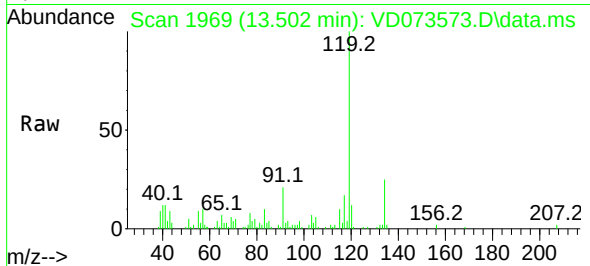




#86
 p-Isopropyltoluene
 Concen: 1.948 ug/l
 RT: 13.502 min Scan# 1969
 Delta R.T. 0.000 min
 Lab File: VD073573.D
 Acq: 14 Jun 2022 17:05

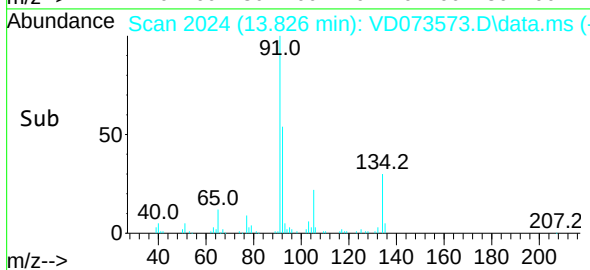
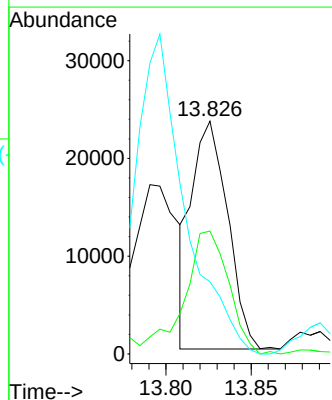
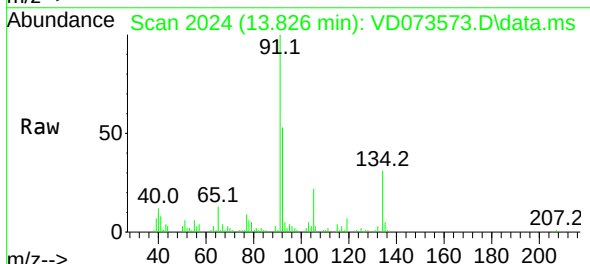
Instrument :
 MSVOA_D
 ClientSampleId :
 30874

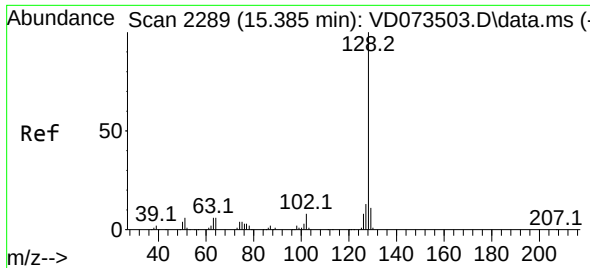
Tgt Ion:	119	Resp:	39033
Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.9	38.6
91	20.9	12.1	36.3



#89
 n-Butylbenzene
 Concen: 1.799 ug/l
 RT: 13.826 min Scan# 2024
 Delta R.T. -0.000 min
 Lab File: VD073573.D
 Acq: 14 Jun 2022 17:05

Tgt Ion:	91	Resp:	34004
Ion	Ratio	Lower	Upper
91	100		
92	66.6	26.6	79.8
134	0.0	12.3	36.9#





#95

Naphthalene

Concen: 8.060 ug/l

RT: 15.379 min Scan# 21

Delta R.T. -0.006 min

Lab File: VD073573.D

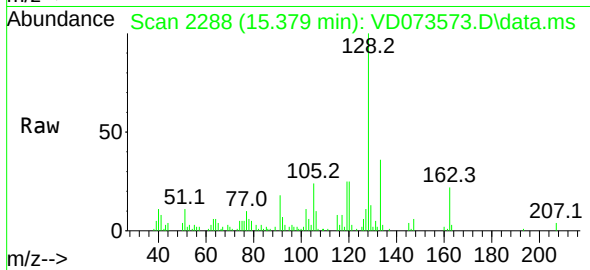
Acq: 14 Jun 2022 17:05

Instrument :

MSVOA_D

ClientSampleId :

30874



Tgt Ion:128 Resp: 48306

Ion Ratio Lower Upper

128 100

127 16.9 10.3 15.5#

129 8.2 8.4 12.6#

