

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD052322\
 Data File : VD073278.D
 Acq On : 23 May 2022 12:52
 Operator : VA/SY
 Sample : N2884-02
 Misc : 4.86G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 30887

Quant Time: May 23 15:14:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D051922S.M
 Quant Title : SW846 8260
 QLast Update : Thu May 19 15:13:42 2022
 Response via : Initial Calibration

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

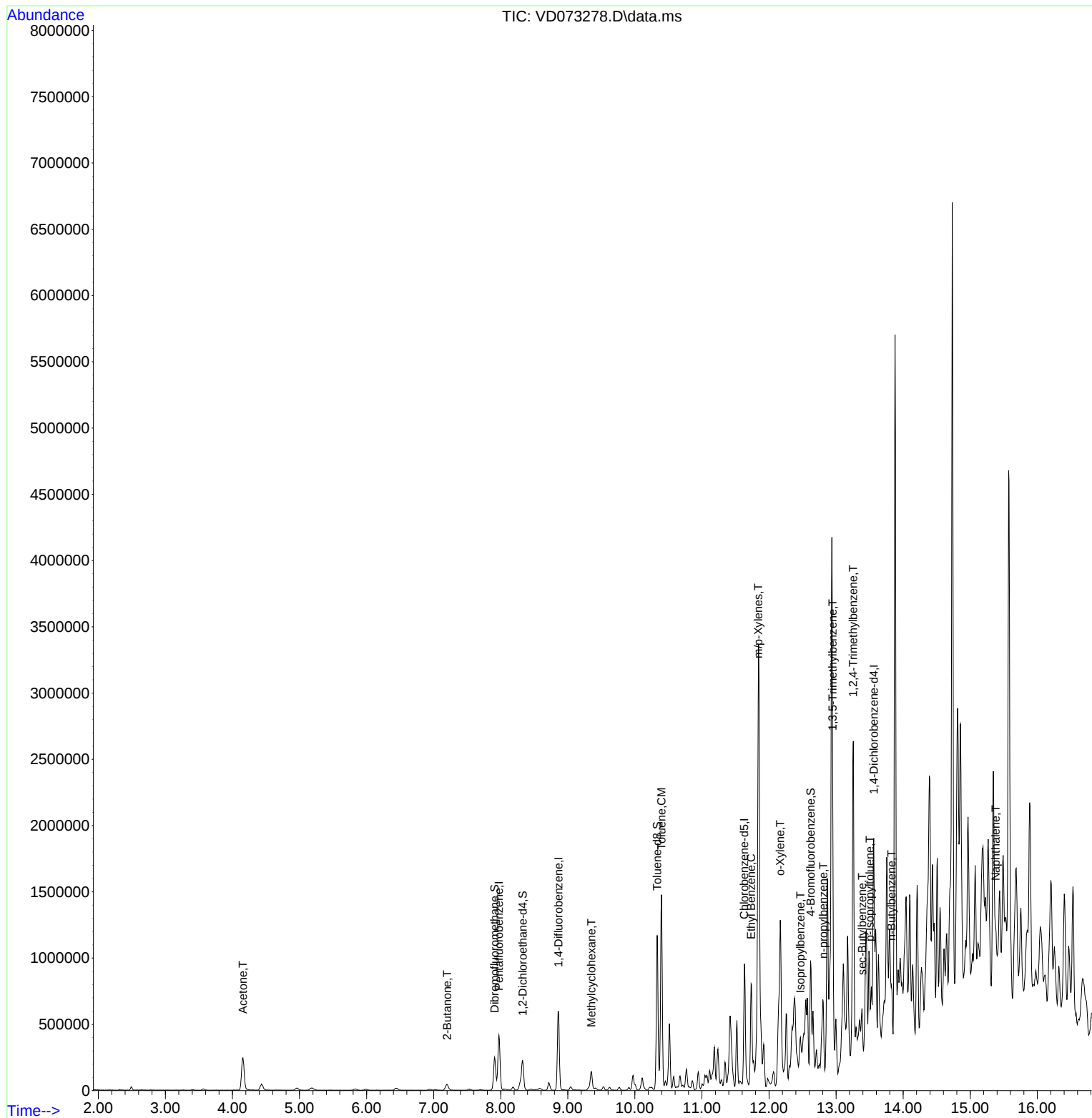
Internal Standards						
1) Pentafluorobenzene	7.973	168	287863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	524941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.632	117	553650	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	255250	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	168686	53.024	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.040%			
35) Dibromofluoromethane	7.908	113	176951	51.084	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.160%			
50) Toluene-d8	10.332	98	668991	52.393	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 104.780%			
62) 4-Bromofluorobenzene	12.620	95	267698	59.739	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 119.480%			
Target Compounds					Qvalue	
16) Acetone	4.156	43	438173	795.185	ug/l	90
25) 2-Butanone	7.203	43	33796	41.921	ug/l	95
39) Methylcyclohexane	9.350	83	53543	9.222	ug/l	92
52) Toluene	10.397	92	632715	66.687	ug/l	98
67) Ethyl Benzene	11.732	91	523604	26.261	ug/l	99
68) m/p-Xylenes	11.838	106	525389	67.824	ug/l	100
69) o-Xylene	12.167	106	285750	40.154	ug/l	100
73) Isopropylbenzene	12.467	105	111239	6.113	ug/l	99
78) n-propylbenzene	12.808	91	396714	17.366	ug/l	99
80) 1,3,5-Trimethylbenzene	12.949	105	346733	22.494	ug/l	99
84) 1,2,4-Trimethylbenzene	13.255	105	1338349	87.888	ug/l	98
85) sec-Butylbenzene	13.391	105	145412	7.331	ug/l	86
86) p-Isopropyltoluene	13.502	119	81433	5.036	ug/l	98
89) n-Butylbenzene	13.826	91	286021	18.564	ug/l #	72
95) Naphthalene	15.379	128	201990	26.011	ug/l #	91

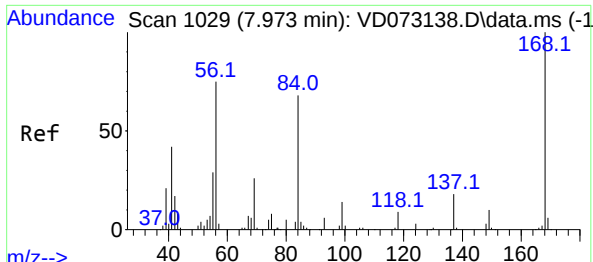
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu May 19 15:13:42 2022
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.973 min Scan# 1029

Delta R.T. 0.000 min

Lab File: VD073278.D

Acq: 23 May 2022 12:52

Instrument :

MSVOA_D

ClientSampleId :

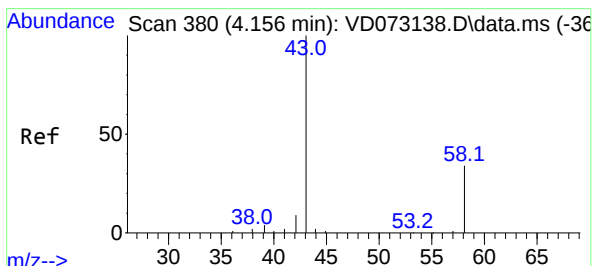
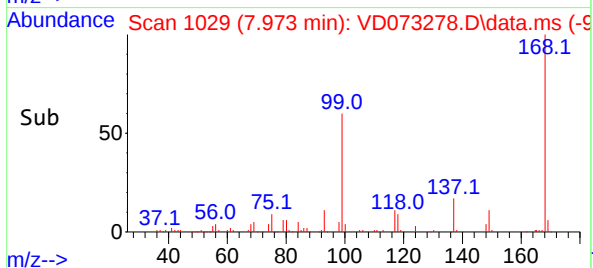
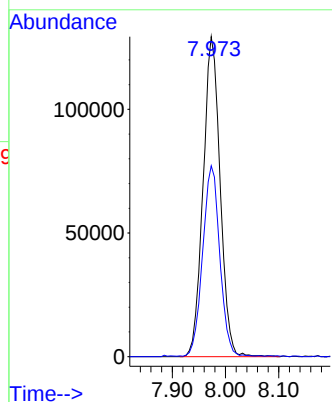
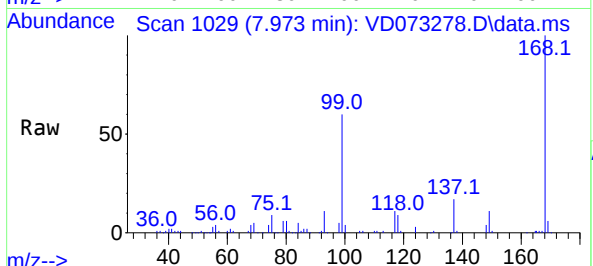
30887

Tgt Ion:168 Resp: 287863

Ion Ratio Lower Upper

168 100

99 59.5 49.8 74.6



#16

Acetone

Concen: 795.185 ug/l

RT: 4.156 min Scan# 380

Delta R.T. -0.000 min

Lab File: VD073278.D

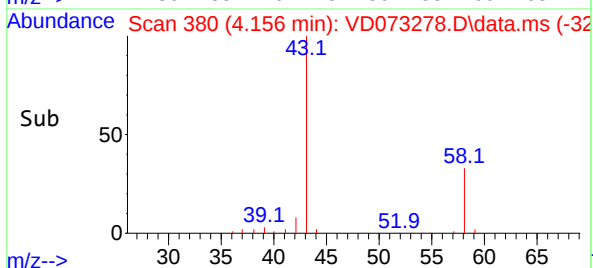
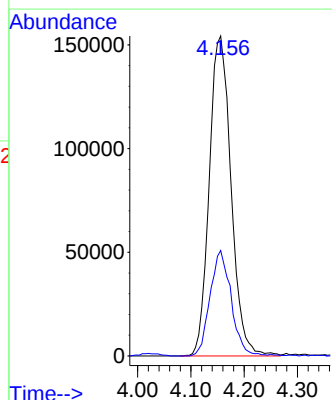
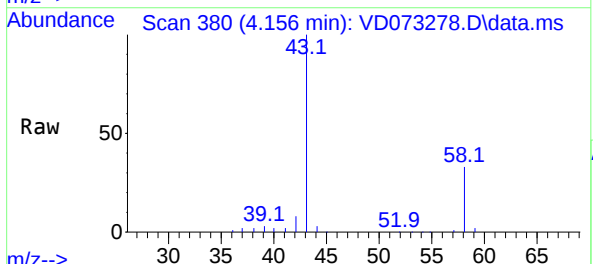
Acq: 23 May 2022 12:52

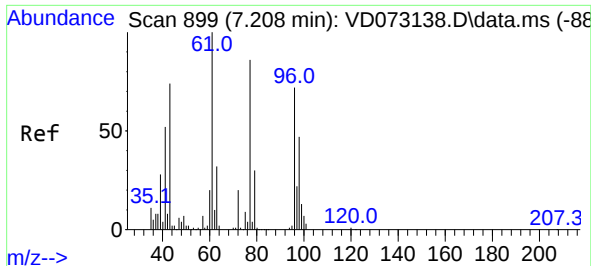
Tgt Ion: 43 Resp: 438173

Ion Ratio Lower Upper

43 100

58 32.9 22.1 33.1

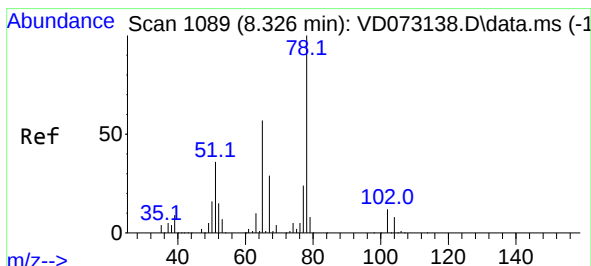
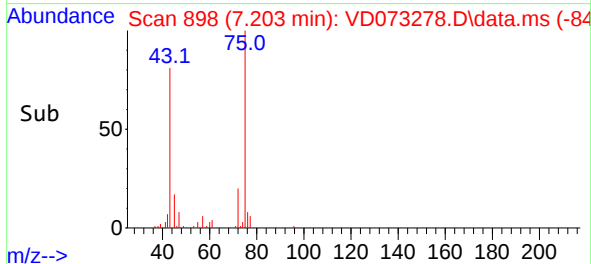
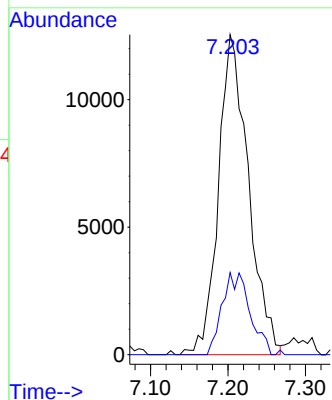
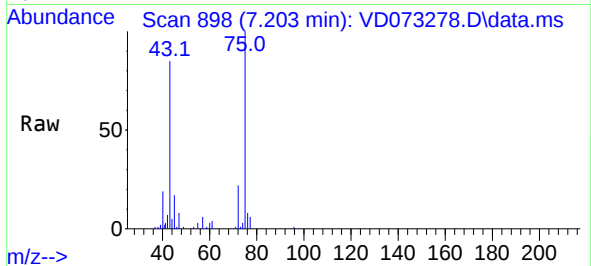




#25
2-Butanone
Concen: 41.921 ug/l
RT: 7.203 min Scan# 899
Delta R.T. -0.005 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

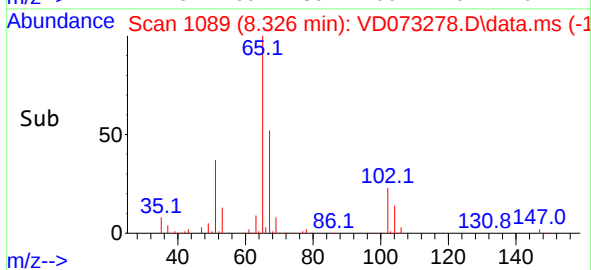
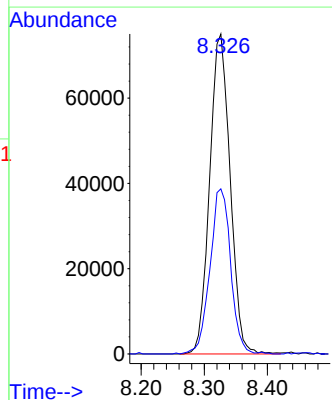
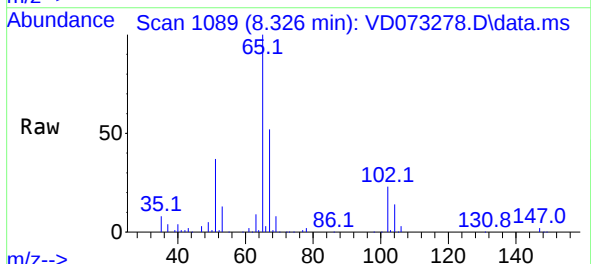
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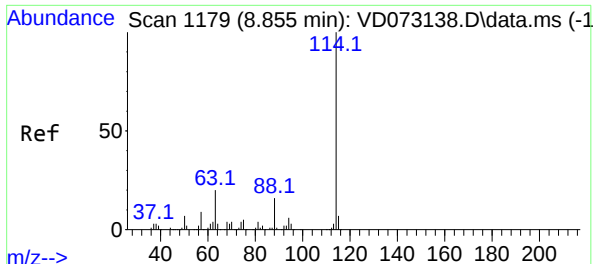
Tgt Ion: 43 Resp: 33796
Ion Ratio Lower Upper
43 100
72 25.7 18.6 27.8



#33
1,2-Dichloroethane-d4
Concen: 53.024 ug/l
RT: 8.326 min Scan# 1089
Delta R.T. 0.000 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

Tgt Ion: 65 Resp: 168686
Ion Ratio Lower Upper
65 100
67 52.2 0.0 101.4

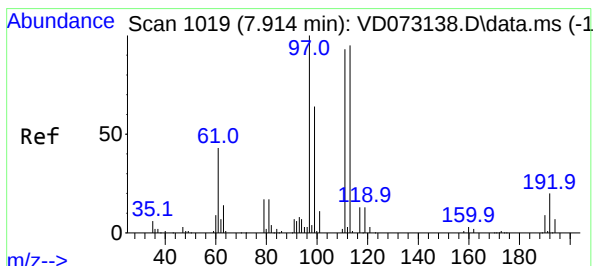
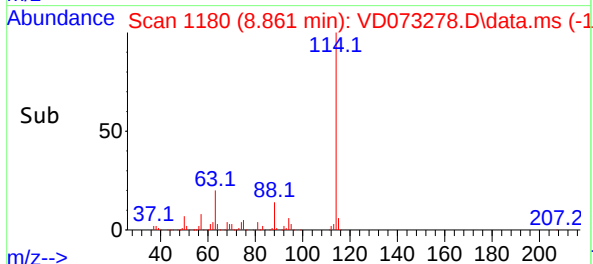
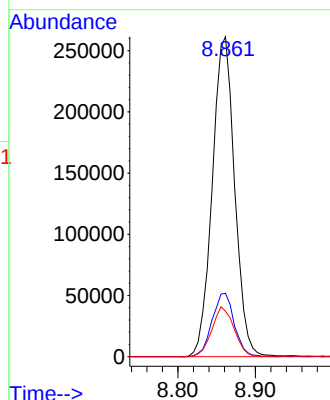
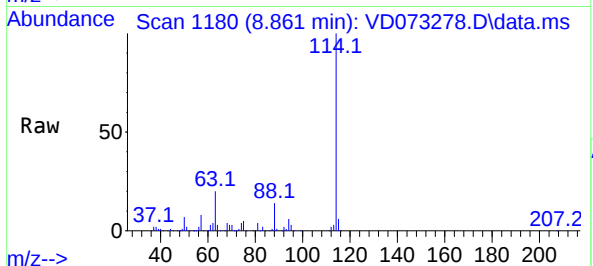




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.861 min Scan# 1179
Delta R.T. 0.006 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

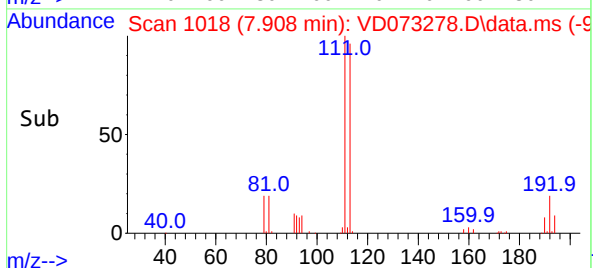
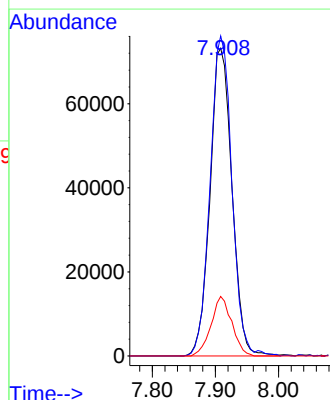
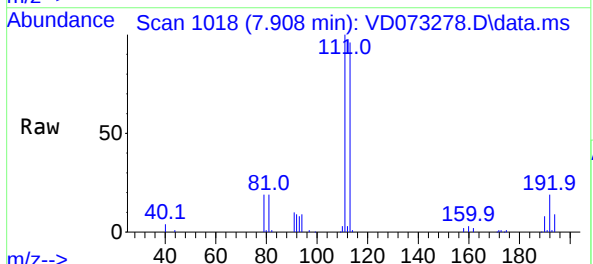
Instrument :
MSVOA_D
ClientSampleId :
30887

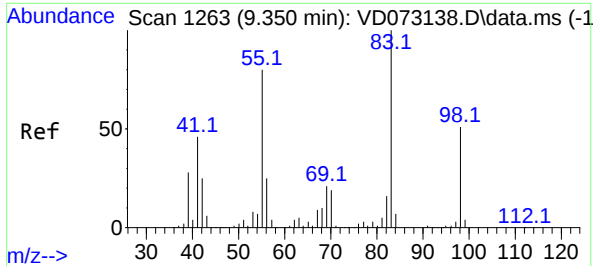
Tgt Ion:	114	Resp:	524941
Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	46.6
88	14.2	0.0	33.2



#35
Dibromofluoromethane
Concen: 51.084 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. -0.006 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

Tgt Ion:	113	Resp:	176951
Ion	Ratio	Lower	Upper
113	100		
111	103.1	83.8	125.6
192	18.2	14.6	21.8

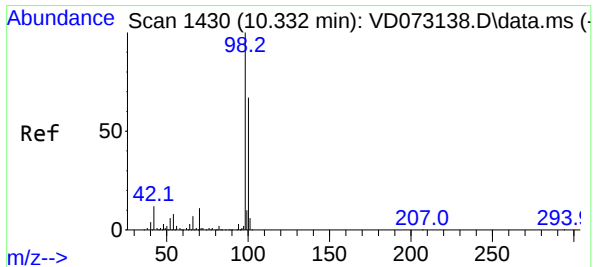
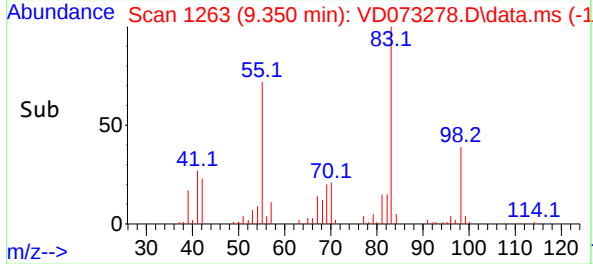
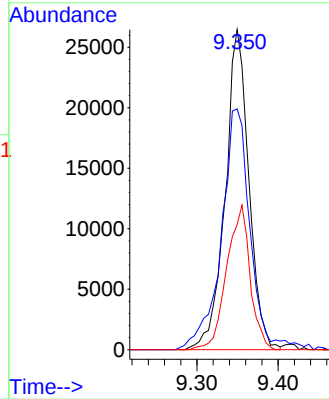
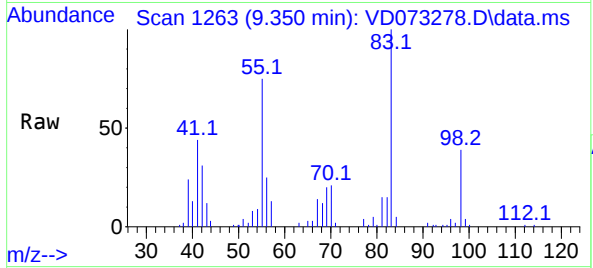




#39
Methylcyclohexane
Concen: 9.222 ug/l
RT: 9.350 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

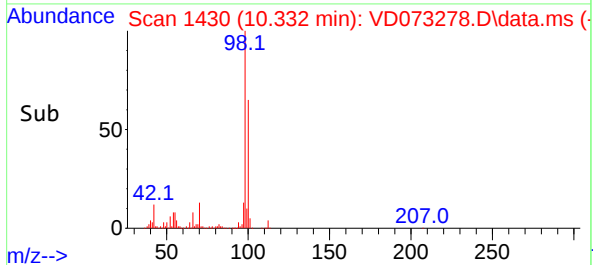
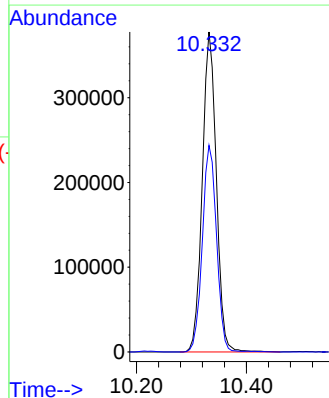
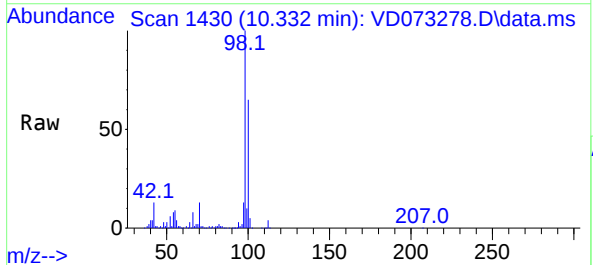
Instrument :
MSVOA_D
ClientSampleId :
30887

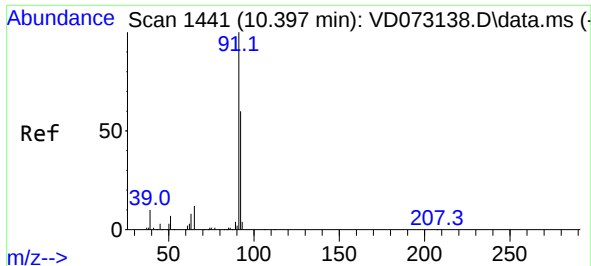
Tgt Ion: 83 Resp: 53543
Ion Ratio Lower Upper
83 100
55 74.6 63.2 94.8
98 39.1 38.2 57.4



#50
Toluene-d8
Concen: 52.393 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

Tgt Ion: 98 Resp: 668991
Ion Ratio Lower Upper
98 100
100 65.3 52.4 78.6

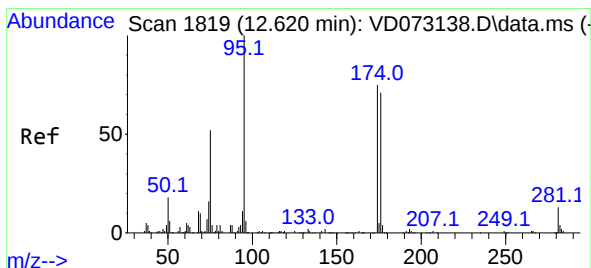
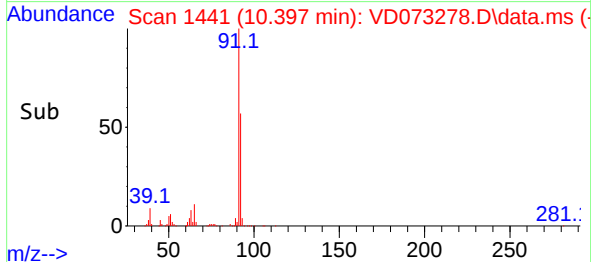
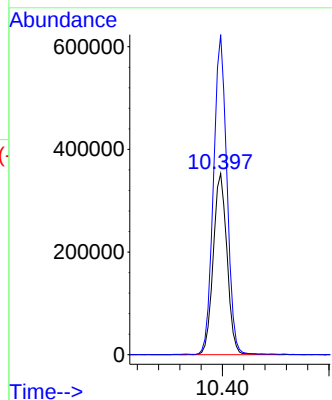
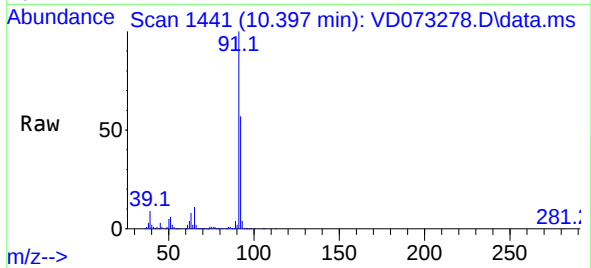




#52
Toluene
Concen: 66.687 ug/l
RT: 10.397 min Scan# 1441
Delta R.T. -0.000 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

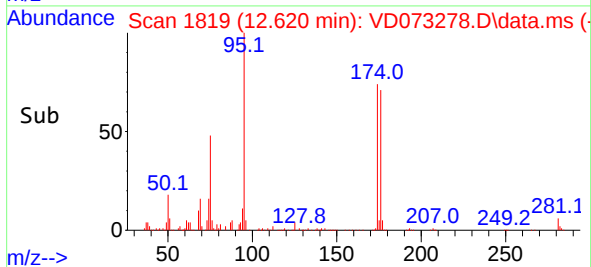
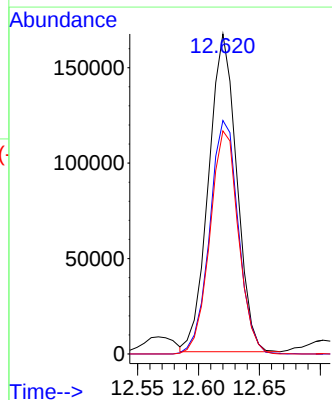
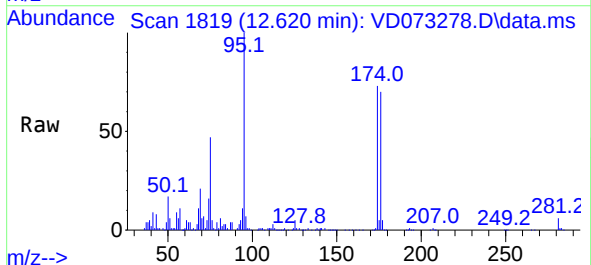
Instrument :
MSVOA_D
ClientSampleId :
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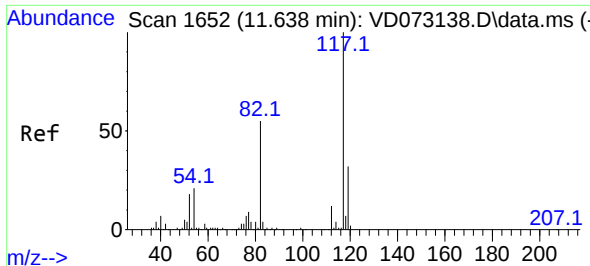
Tgt Ion: 92 Resp: 632715
Ion Ratio Lower Upper
92 100
91 172.1 139.6 209.4



#62
4-Bromofluorobenzene
Concen: 59.739 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

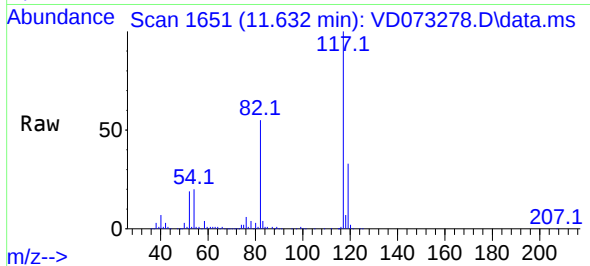
Tgt Ion: 95 Resp: 267698
Ion Ratio Lower Upper
95 100
174 75.0 0.0 152.8
176 71.2 0.0 145.4



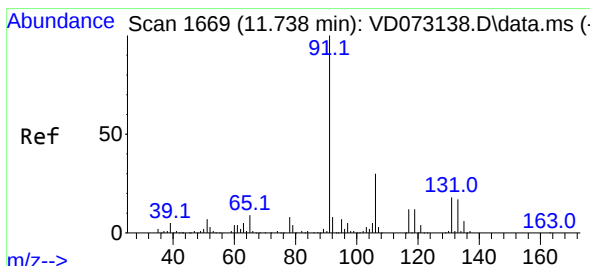
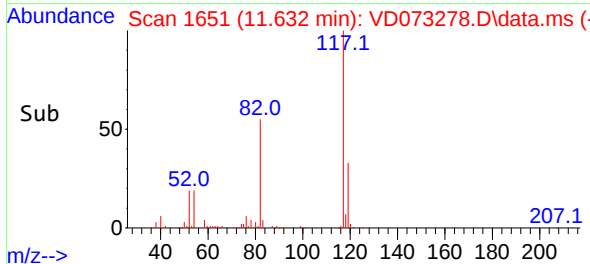
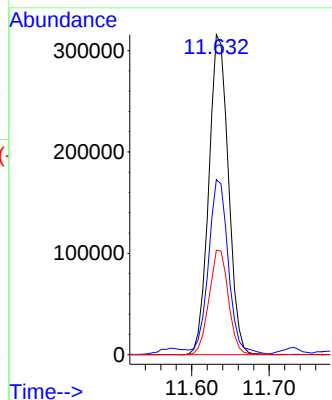


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.632 min Scan# 1651
Delta R.T. -0.006 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

Instrument :
MSVOA_D
ClientSampleId :
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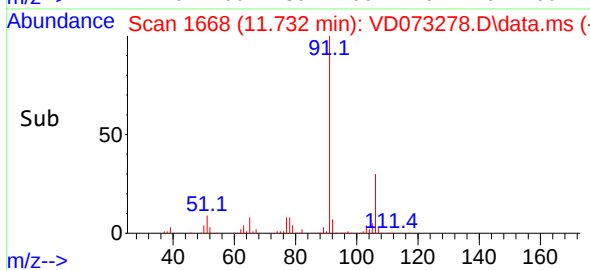
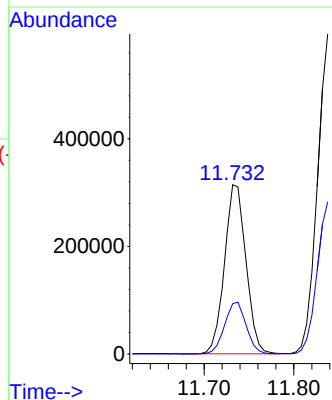
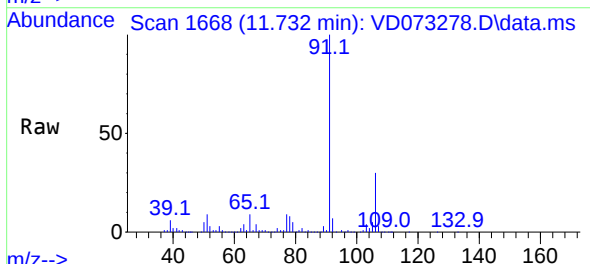


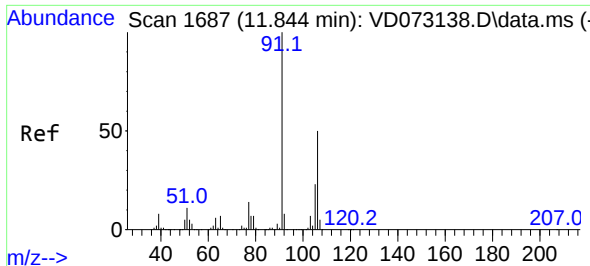
Tgt Ion:117 Resp: 553650
Ion Ratio Lower Upper
117 100
82 53.5 45.3 67.9
119 32.7 26.6 40.0



#67
Ethyl Benzene
Concen: 26.261 ug/l
RT: 11.732 min Scan# 1668
Delta R.T. -0.006 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

Tgt Ion: 91 Resp: 523604
Ion Ratio Lower Upper
91 100
106 29.7 24.2 36.4

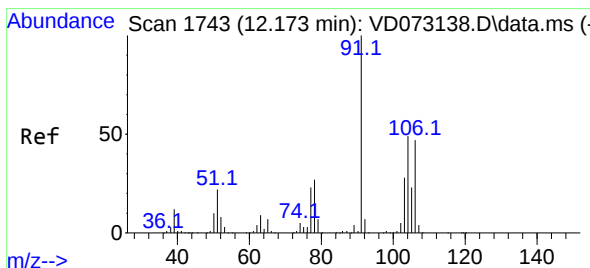
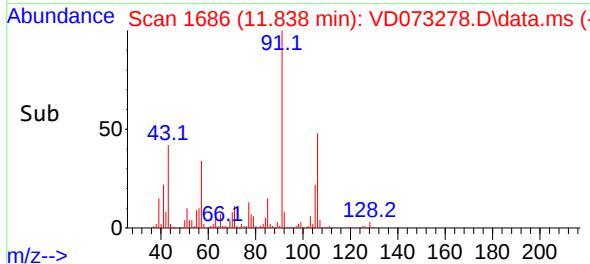
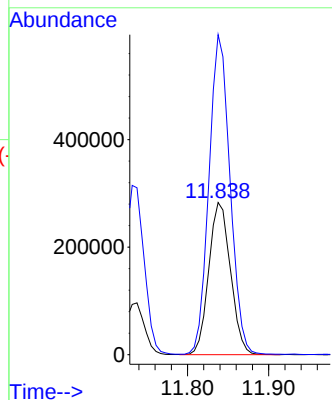
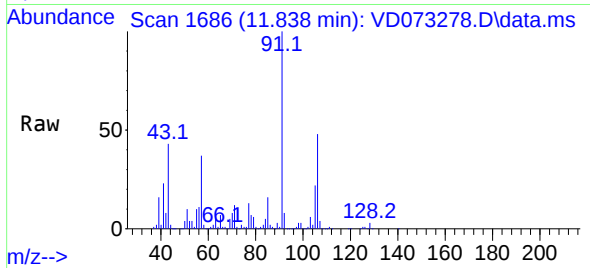




#68
m/p-Xylenes
Concen: 67.824 ug/l
RT: 11.838 min Scan# 1
Delta R.T. -0.006 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

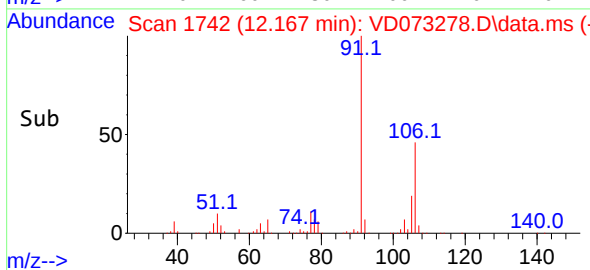
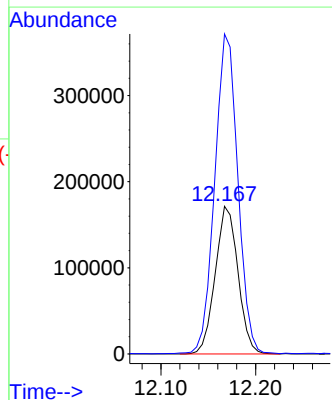
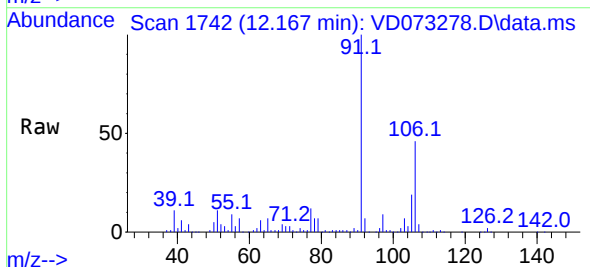
Instrument :
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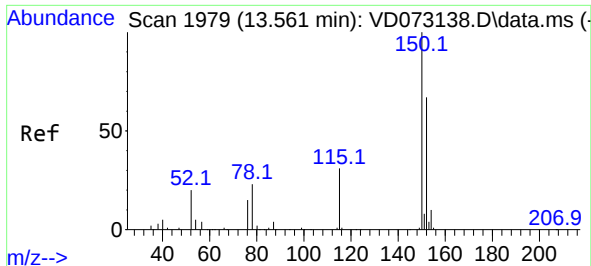
Tgt Ion:106 Resp: 525389
Ion Ratio Lower Upper
106 100
91 204.0 163.7 245.5



#69
o-Xylene
Concen: 40.154 ug/l
RT: 12.167 min Scan# 1742
Delta R.T. -0.006 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

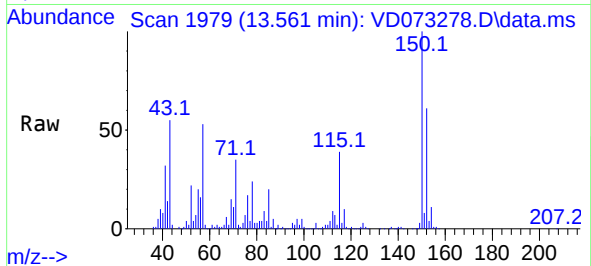
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Ion Ratio Lower Upper
106 100
91 220.0 110.4 331.2



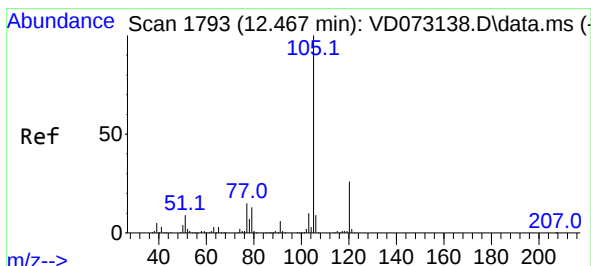
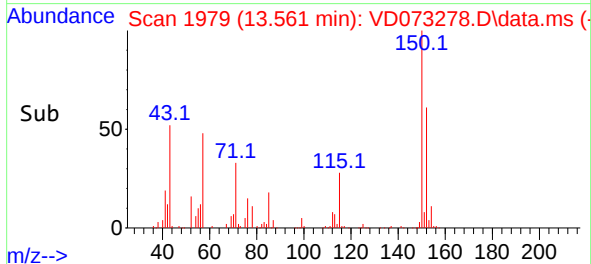
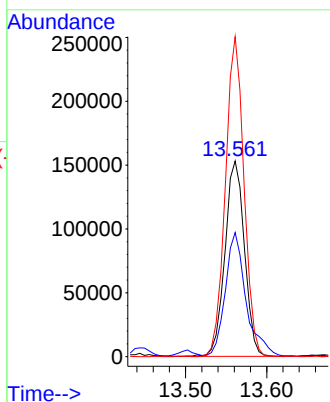


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1799
Delta R.T. 0.000 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

Instrument :
MSVOA_D
ClientSampleId :
30887

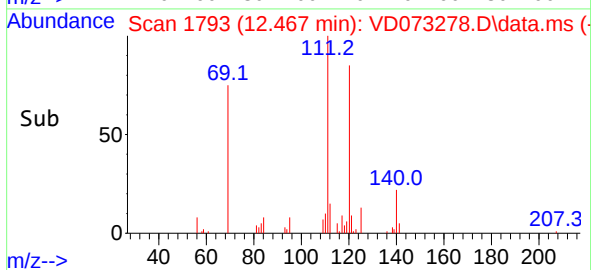
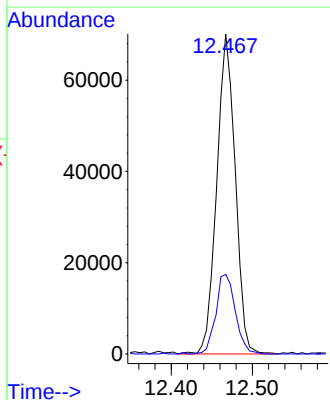
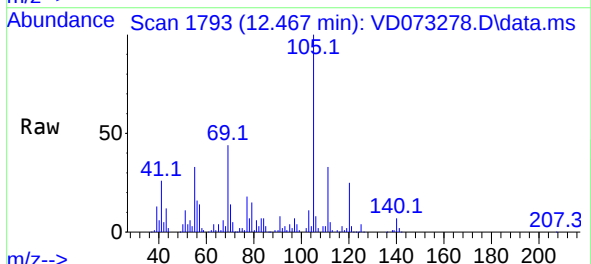


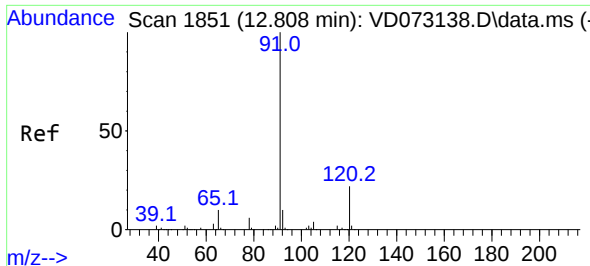
Tgt Ion:152 Resp: 255250
Ion Ratio Lower Upper
152 100
115 67.7 31.3 93.8
150 156.3 0.0 348.6



#73
Isopropylbenzene
Concen: 6.113 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

Tgt Ion:105 Resp: 111239
Ion Ratio Lower Upper
105 100
120 26.2 13.0 38.9

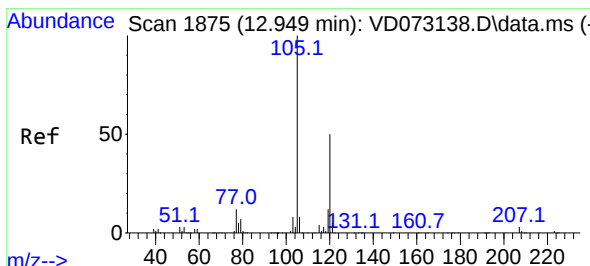
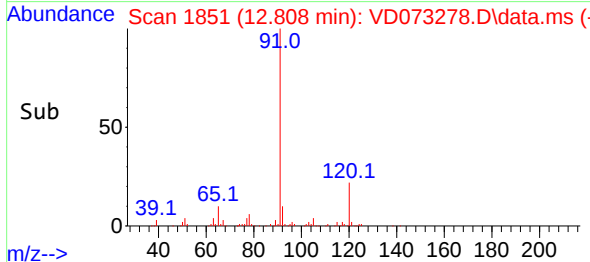
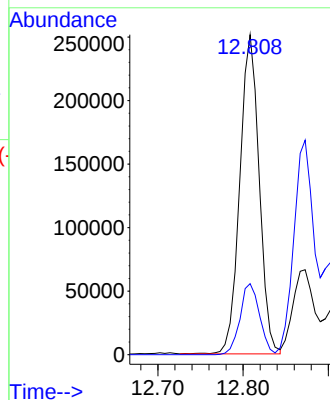
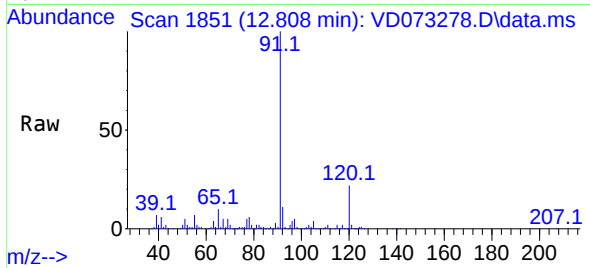




#78
n-propylbenzene
Concen: 17.366 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

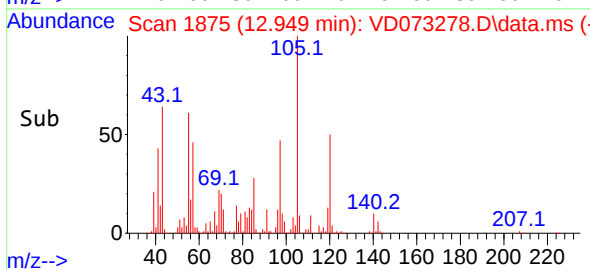
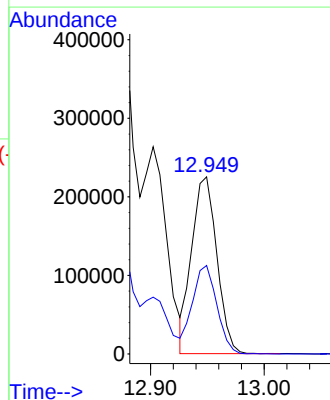
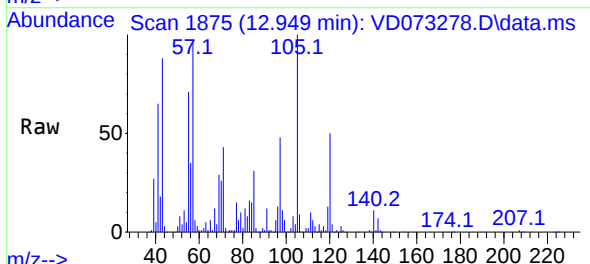
Instrument :
MSVOA_D
ClientSampleId :
30887

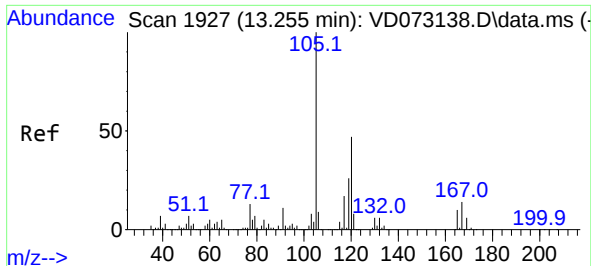
Tgt Ion: 91 Resp: 396714
Ion Ratio Lower Upper
91 100
120 22.4 10.9 32.9



#80
1,3,5-Trimethylbenzene
Concen: 22.494 ug/l
RT: 12.949 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

Tgt Ion: 105 Resp: 346733
Ion Ratio Lower Upper
105 100
120 48.9 24.3 72.8

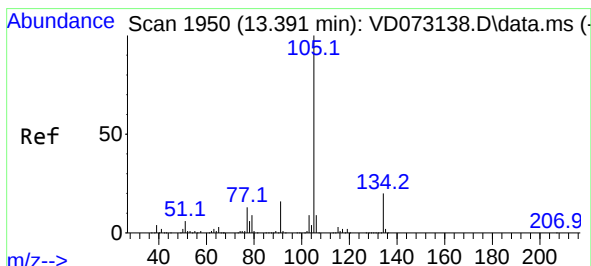
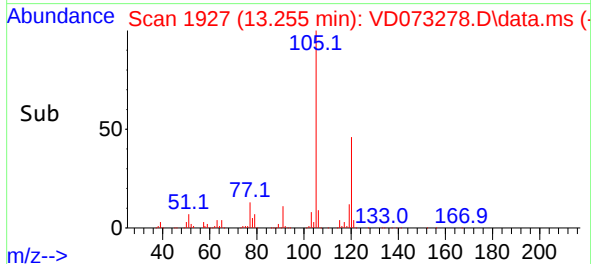
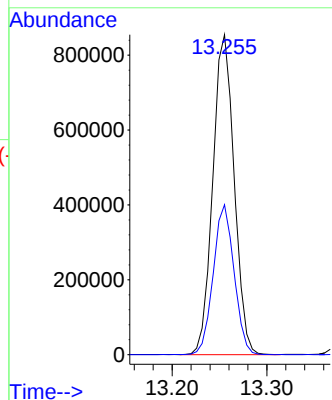
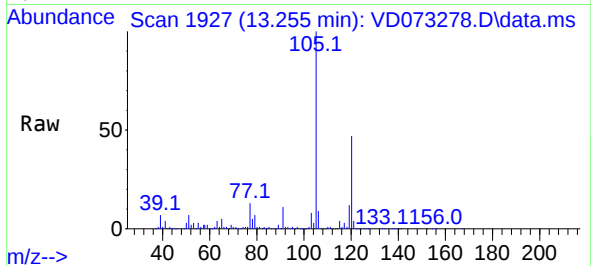




#84
1,2,4-Trimethylbenzene
Concen: 87.888 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

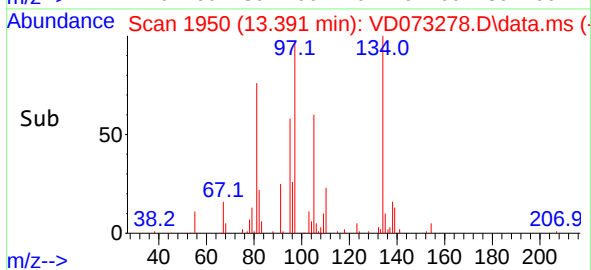
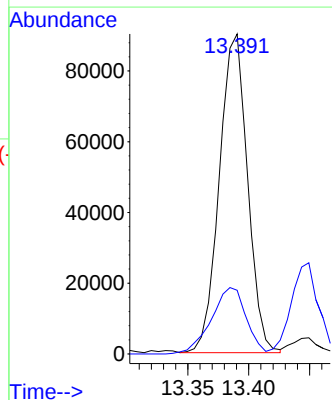
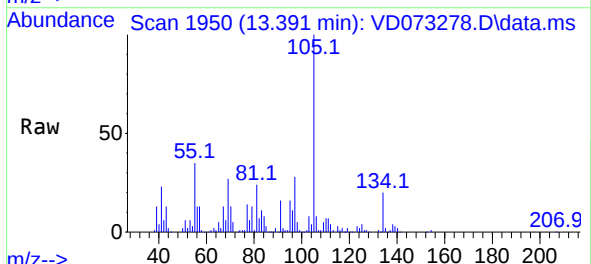
Instrument :
MSVOA_D
ClientSampleId :
30887

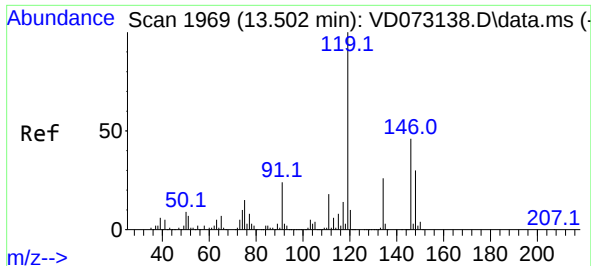
Tgt Ion:105 Resp: 1338349
Ion Ratio Lower Upper
105 100
120 45.7 22.3 66.8



#85
sec-Butylbenzene
Concen: 7.331 ug/l
RT: 13.391 min Scan# 1950
Delta R.T. -0.000 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

Tgt Ion:105 Resp: 145412
Ion Ratio Lower Upper
105 100
134 25.7 9.8 29.3

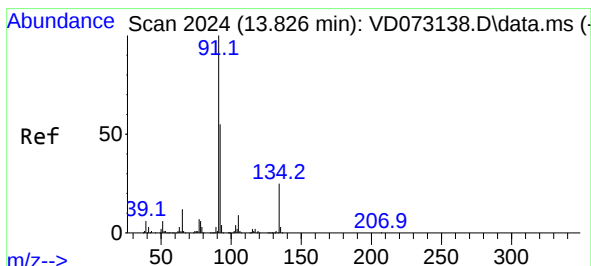
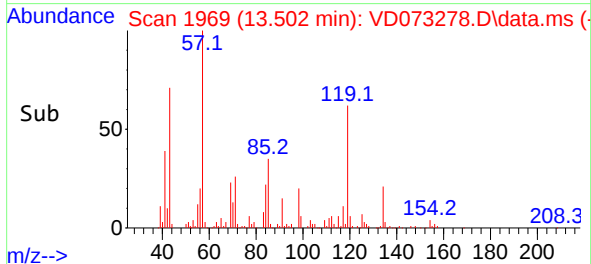
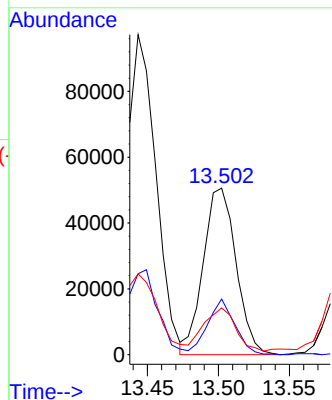
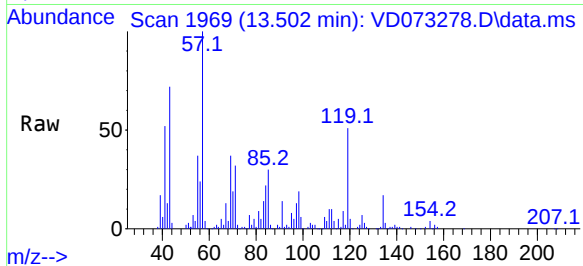




#86
p-Isopropyltoluene
Concen: 5.036 ug/l
RT: 13.502 min Scan# 1969
Delta R.T. 0.000 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

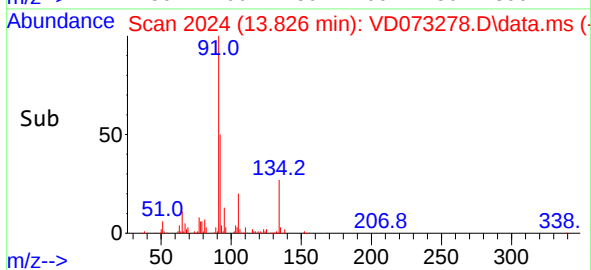
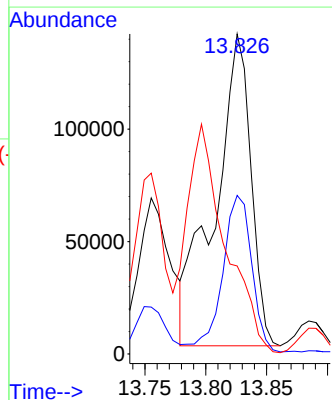
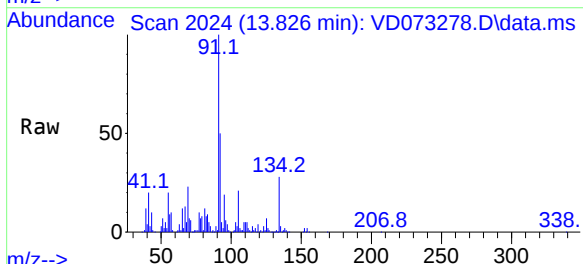
Instrument :
MSVOA_D
ClientSampleId :
30887

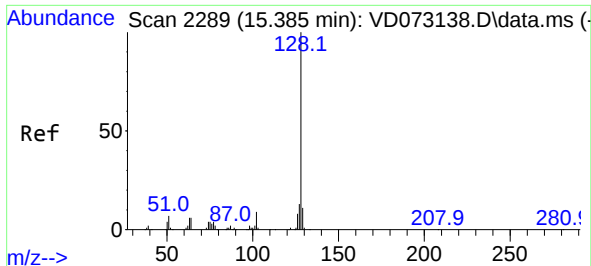
Tgt Ion: 119 Resp: 81433
Ion Ratio Lower Upper
119 100
134 27.6 12.9 38.6
91 24.6 12.1 36.3



#89
n-Butylbenzene
Concen: 18.564 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.000 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

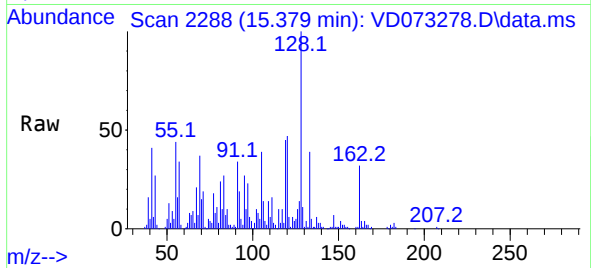
Tgt Ion: 91 Resp: 286021
Ion Ratio Lower Upper
91 100
92 40.6 26.6 79.8
134 0.0 12.3 36.9#





#95
Naphthalene
Concen: 26.011 ug/l
RT: 15.379 min Scan# 21
Delta R.T. -0.006 min
Lab File: VD073278.D
Acq: 23 May 2022 12:52

Instrument :
MSVOA_D
ClientSampleId :
30887



Tgt Ion:128 Resp: 201990
Ion Ratio Lower Upper
128 100
127 10.2 10.3 15.5#
129 15.1 8.4 12.6#

