

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD061422\
 Data File : VD073571.D
 Acq On : 14 Jun 2022 16:02
 Operator : VA/SY
 Sample : N3304-01RE
 Misc : 6.44G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 WC-14A-1A-10RE

Quant Time: Jun 15 01:37:06 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)

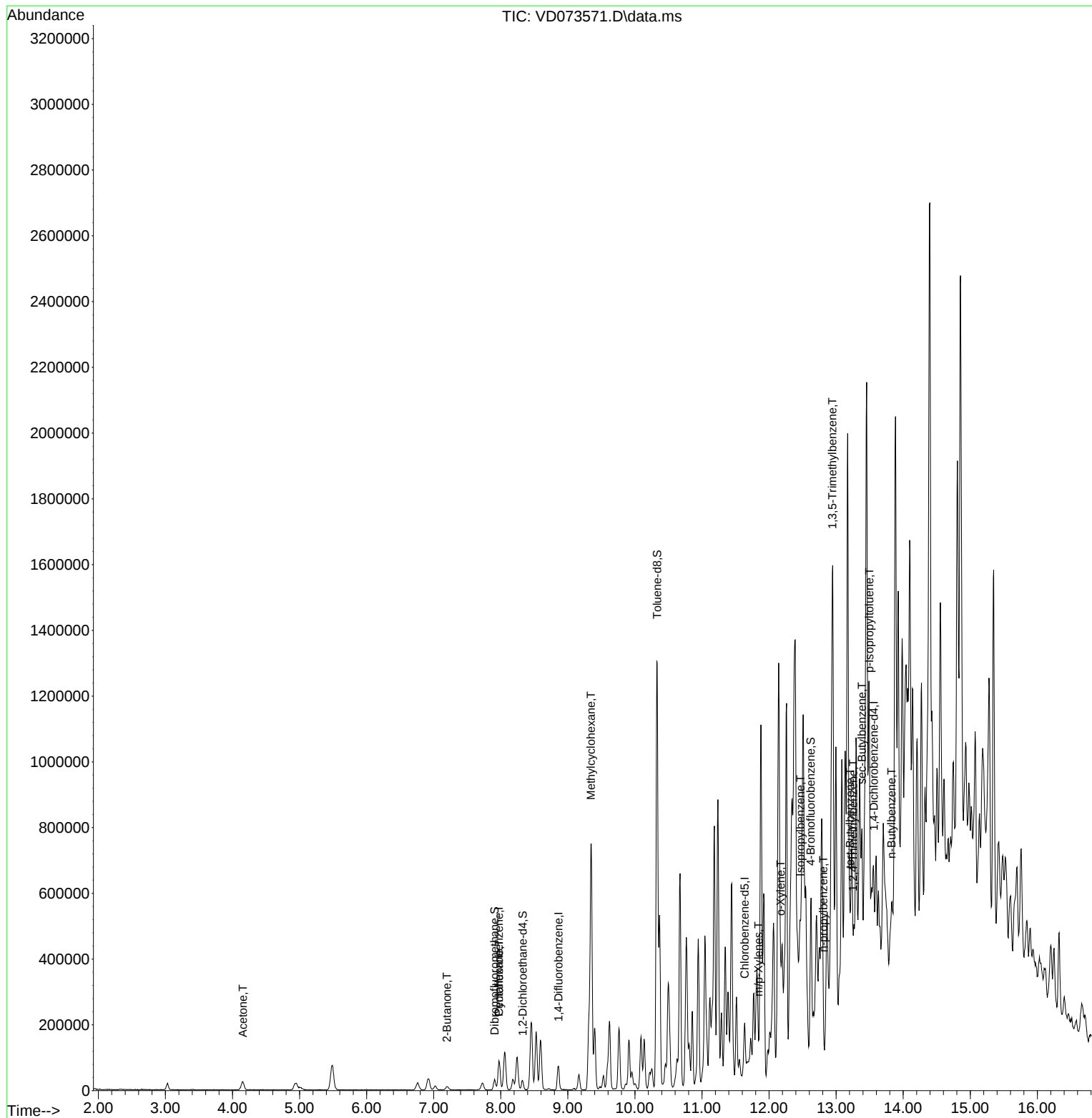
Internal Standards						
1) Pentafluorobenzene	7.973	168	32090	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.861	114	61262	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.638	117	85017	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.561	152	51967	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.326	65	22604	65.639	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 131.280%	
35) Dibromofluoromethane	7.908	113	22229	56.428	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.860%	
50) Toluene-d8	10.332	98	150328	100.930	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 201.860%#	
62) 4-Bromofluorobenzene	12.620	95	68211	126.152	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 252.300%#	
Target Compounds						Qvalue
16) Acetone	4.156	43	39073	644.397	ug/l	91
25) 2-Butanone	7.197	43	8122	91.035	ug/l #	81
31) Cyclohexane	7.973	56	23563	40.618	ug/l	98
39) Methylcyclohexane	9.344	83	298171	432.451	ug/l	98
68) m/p-Xylenes	11.843	106	2641	2.202	ug/l #	70
69) o-Xylene	12.173	106	3663	3.319	ug/l	48
73) Isopropylbenzene	12.467	105	57323	15.914	ug/l	98
78) n-propylbenzene	12.808	91	26061	5.813	ug/l	99
80) 1,3,5-Trimethylbenzene	12.943	105	11066	3.562	ug/l	92
83) tert-Butylbenzene	13.208	119	11069	4.216	ug/l	94
84) 1,2,4-Trimethylbenzene	13.255	105	30801	9.934	ug/l	100
85) sec-Butylbenzene	13.385	105	81007	20.595	ug/l #	70
86) p-Isopropyltoluene	13.496	119	8750	2.669	ug/l #	75
89) n-Butylbenzene	13.826	91	41365	13.374	ug/l #	81

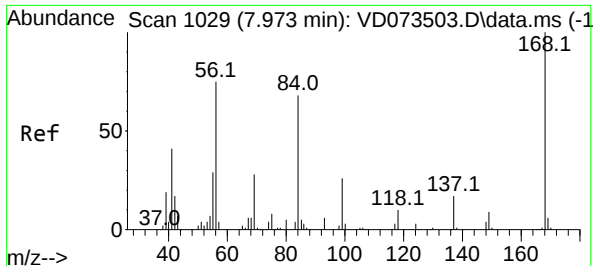
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D060922S.M
Quant Title : SW846 8260
QLast Update : Thu Jun 09 12:33:32 2022
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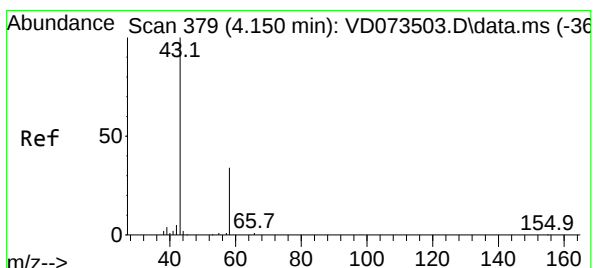
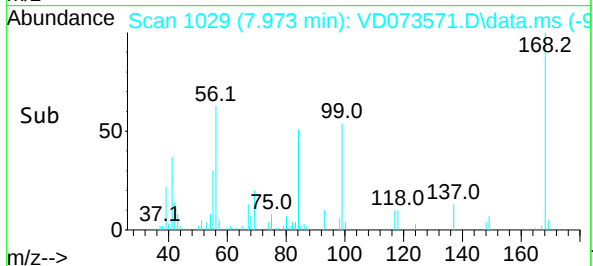
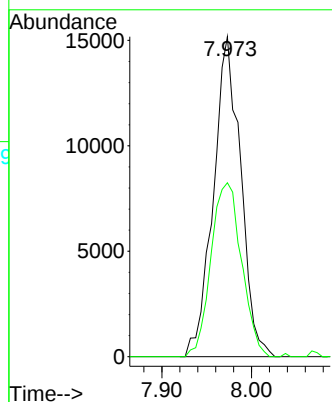
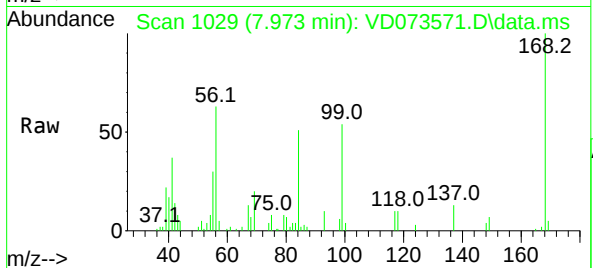




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. 0.000 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

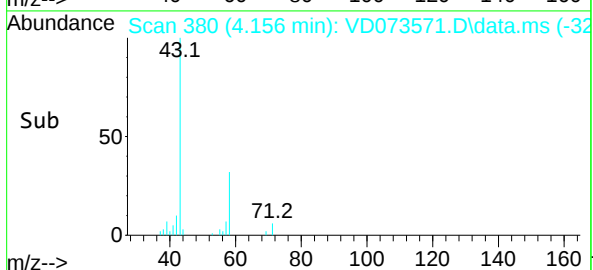
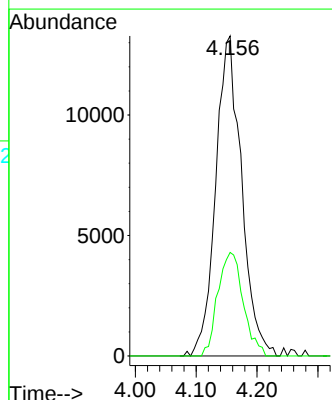
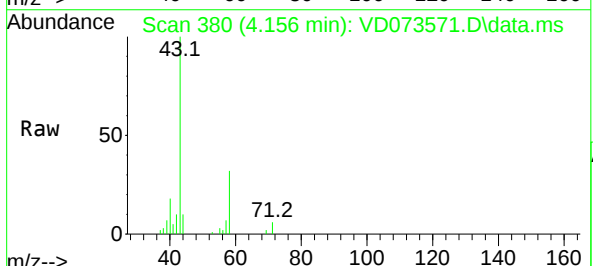
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10RE

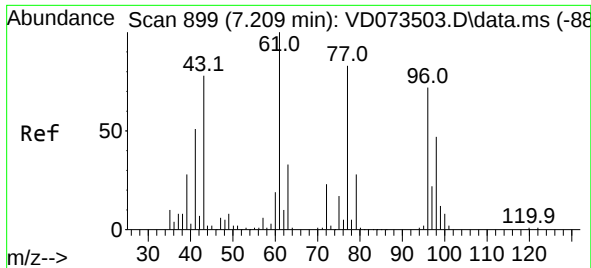
Tgt Ion:168 Resp: 32090
Ion Ratio Lower Upper
168 100
99 54.3 49.8 74.6



#16
Acetone
Concen: 644.397 ug/l
RT: 4.156 min Scan# 380
Delta R.T. 0.006 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

Tgt Ion: 43 Resp: 39073
Ion Ratio Lower Upper
43 100
58 32.4 22.1 33.1

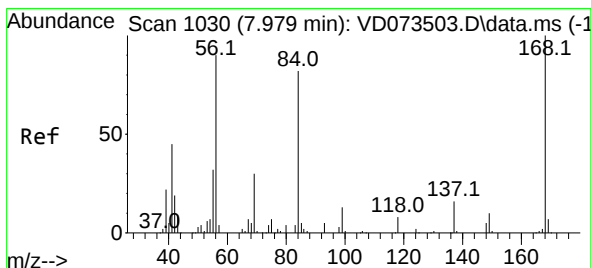
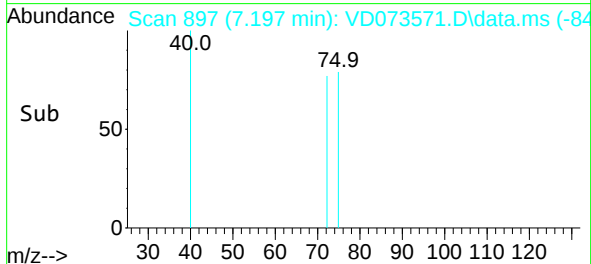
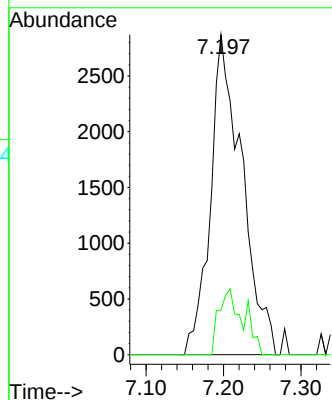
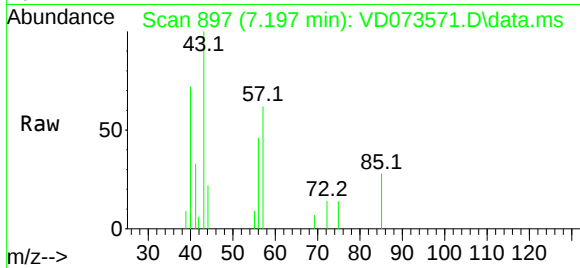




#25
2-Butanone
Concen: 91.035 ug/l
RT: 7.197 min Scan# 899
Delta R.T. -0.012 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

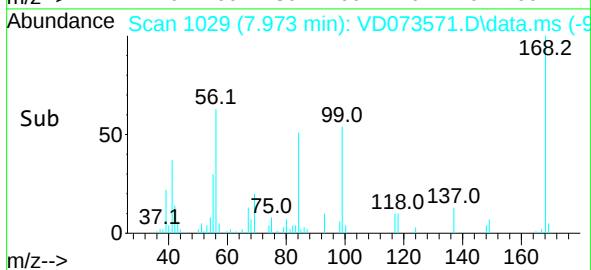
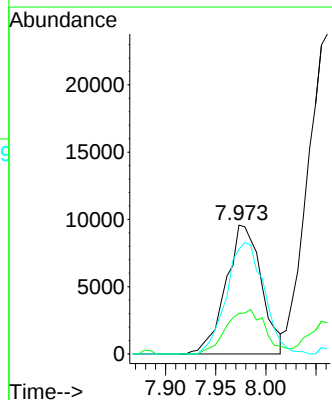
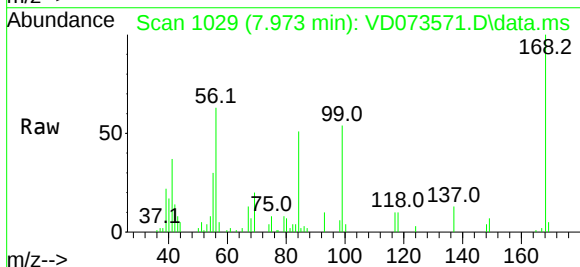
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10RE

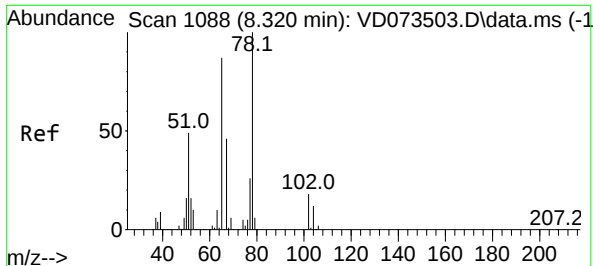
Tgt Ion: 43 Resp: 8122
Ion Ratio Lower Upper
43 100
72 13.9 18.6 27.8#



#31
Cyclohexane
Concen: 40.618 ug/l
RT: 7.973 min Scan# 1029
Delta R.T. -0.006 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

Tgt Ion: 56 Resp: 23563
Ion Ratio Lower Upper
56 100
69 31.4 25.4 38.2
84 81.3 63.0 94.4





#33

1,2-Dichloroethane-d4

Concen: 65.639 ug/l

RT: 8.326 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073571.D

Acq: 14 Jun 2022 16:02

Instrument :

MSVOA_D

ClientSampleId :

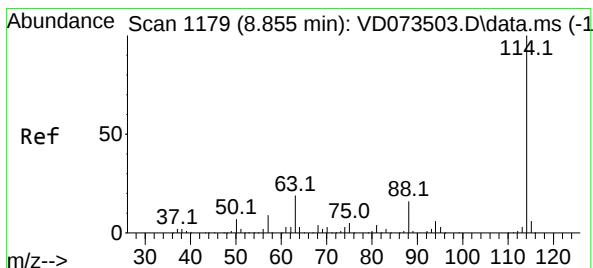
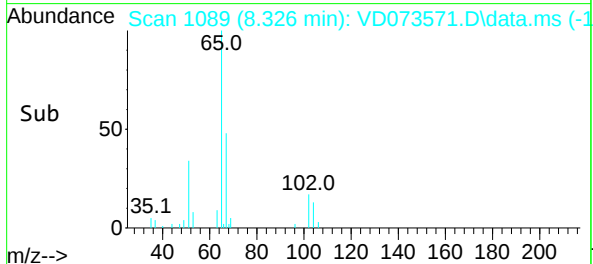
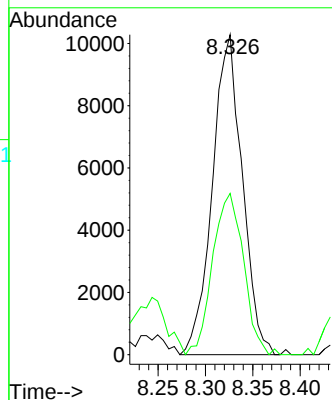
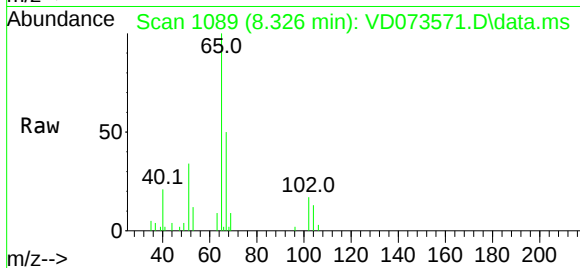
WC-14A-1A-10RE

Tgt Ion: 65 Resp: 22604

Ion Ratio Lower Upper

65 100

67 52.1 0.0 101.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.861 min Scan# 1180

Delta R.T. 0.006 min

Lab File: VD073571.D

Acq: 14 Jun 2022 16:02

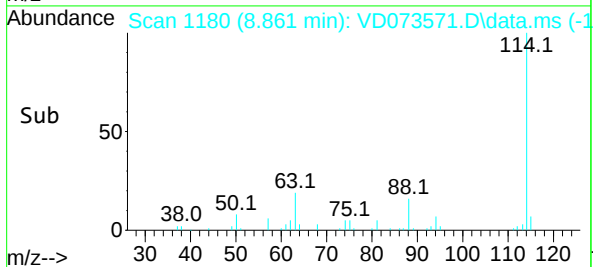
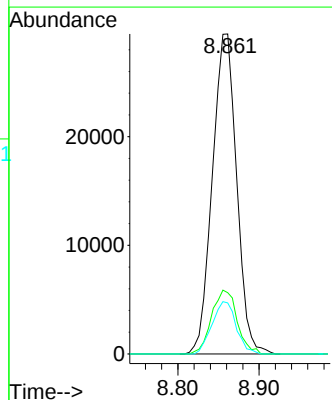
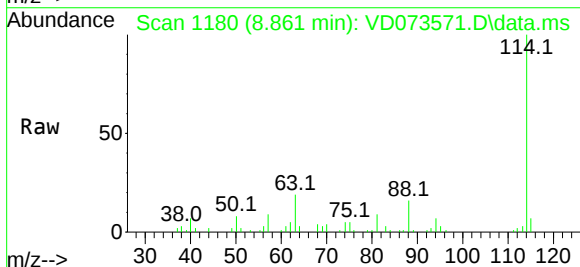
Tgt Ion: 114 Resp: 61262

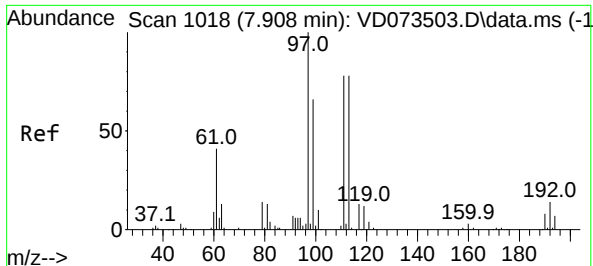
Ion Ratio Lower Upper

114 100

63 19.1 0.0 46.6

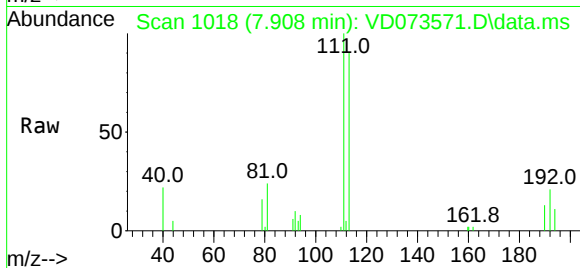
88 16.0 0.0 33.2



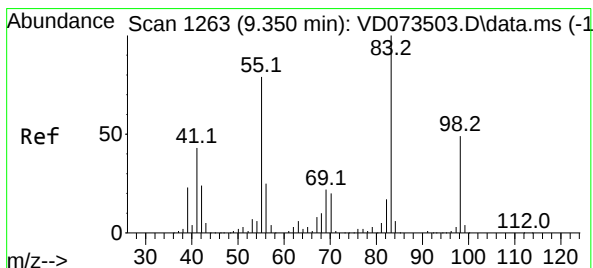
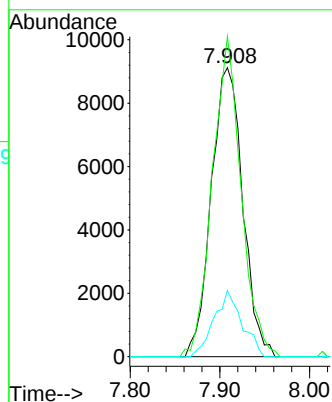
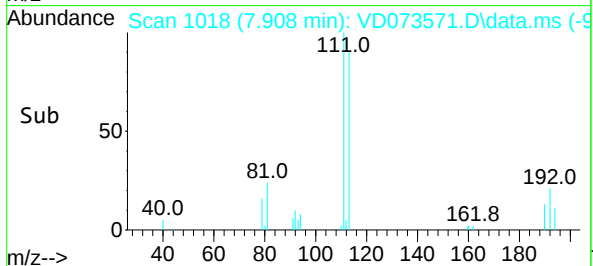


#35
Dibromofluoromethane
Concen: 56.428 ug/l
RT: 7.908 min Scan# 1018
Delta R.T. 0.000 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10RE

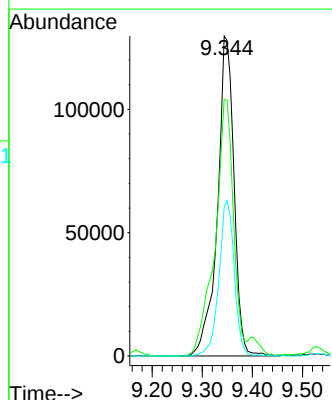
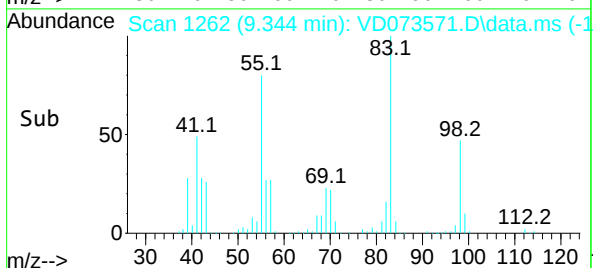
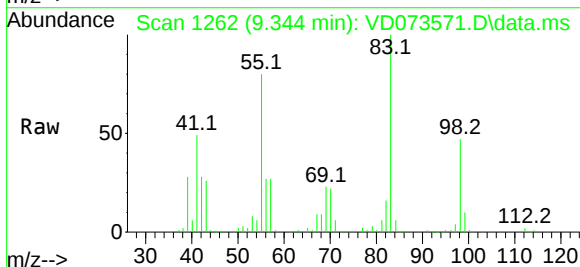


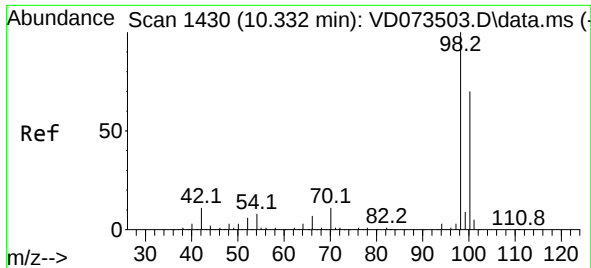
Tgt Ion:113 Resp: 22229
Ion Ratio Lower Upper
113 100
111 101.1 83.8 125.6
192 20.3 14.6 21.8



#39
Methylcyclohexane
Concen: 432.451 ug/l
RT: 9.344 min Scan# 1262
Delta R.T. -0.006 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

Tgt Ion: 83 Resp: 298171
Ion Ratio Lower Upper
83 100
55 80.3 63.2 94.8
98 46.5 38.2 57.4

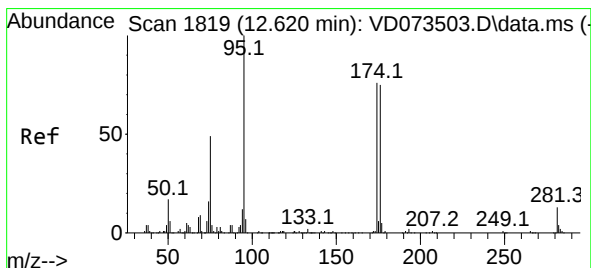
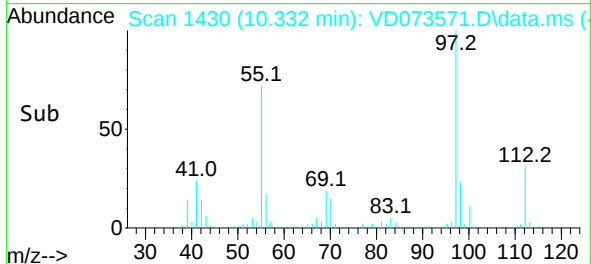
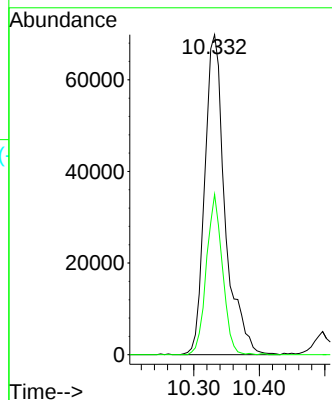
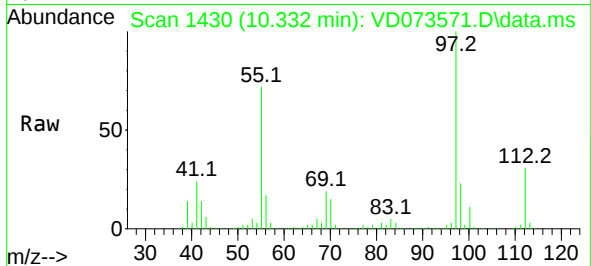




#50
Toluene-d8
Concen: 100.930 ug/l
RT: 10.332 min Scan# 1430
Delta R.T. -0.000 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

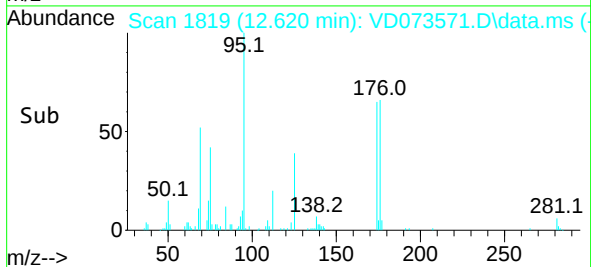
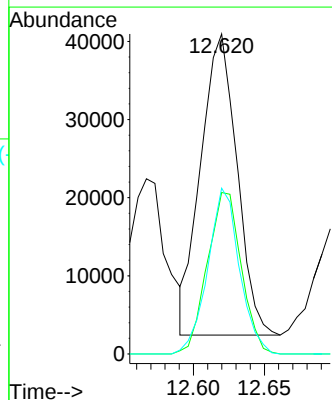
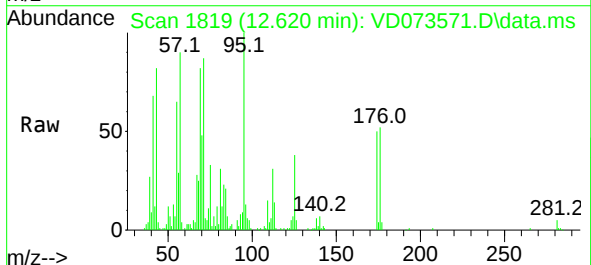
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10RE

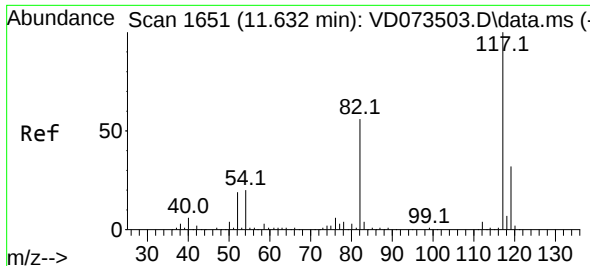
Tgt Ion: 98 Resp: 150328
Ion Ratio Lower Upper
98 100
100 39.7 52.4 78.6#



#62
4-Bromofluorobenzene
Concen: 126.152 ug/l
RT: 12.620 min Scan# 1819
Delta R.T. -0.000 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

Tgt Ion: 95 Resp: 68211
Ion Ratio Lower Upper
95 100
174 50.3 0.0 152.8
176 48.2 0.0 145.4

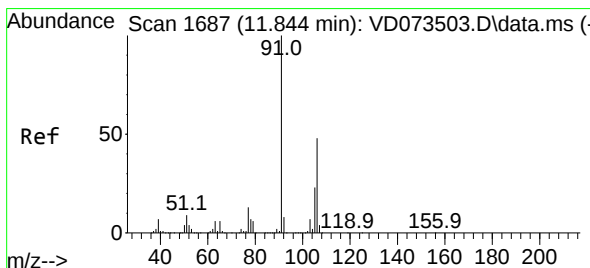
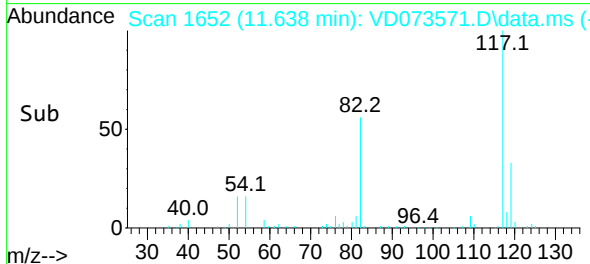
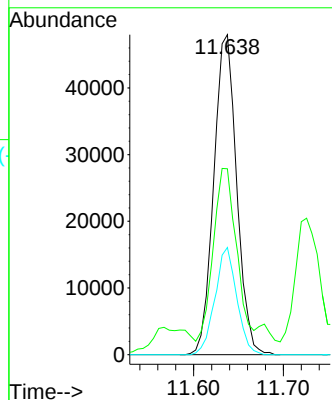
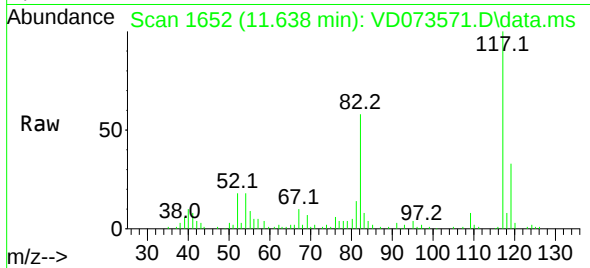




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.638 min Scan# 117
Delta R.T. 0.006 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

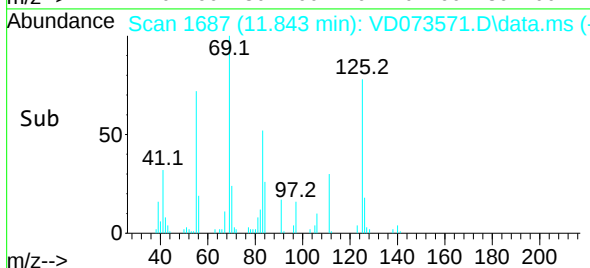
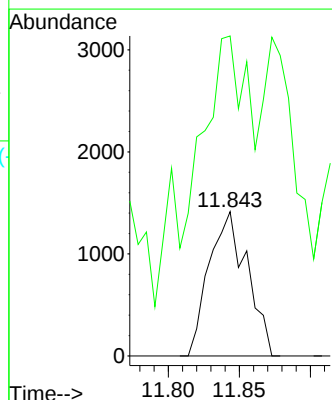
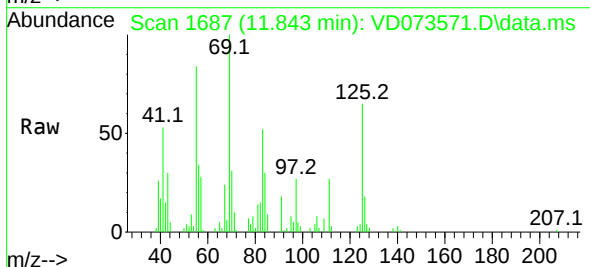
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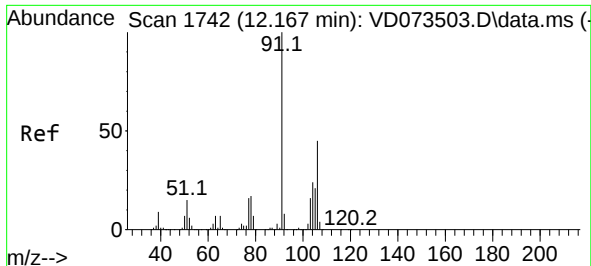
Tgt Ion:117 Resp: 85017
Ion Ratio Lower Upper
117 100
82 54.1 45.3 67.9
119 33.5 26.6 40.0



#68
m/p-Xylenes
Concen: 2.202 ug/l
RT: 11.843 min Scan# 1687
Delta R.T. -0.001 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

Tgt Ion:106 Resp: 2641
Ion Ratio Lower Upper
106 100
91 250.5 163.7 245.5#

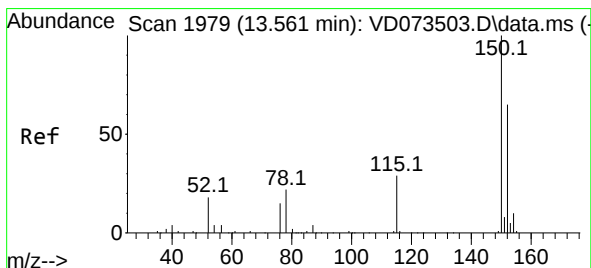
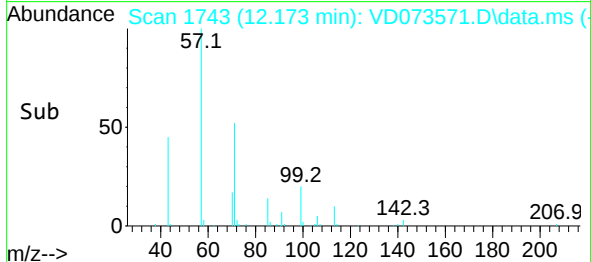
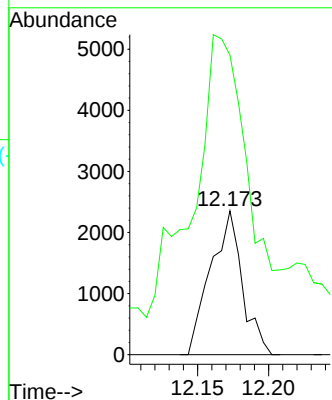
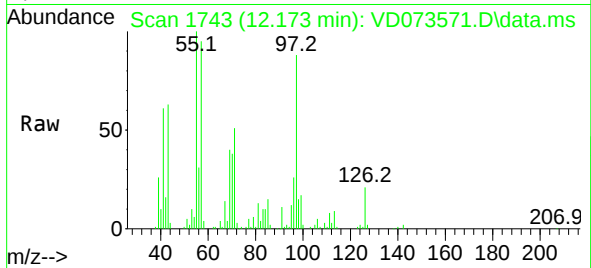




#69
o-Xylene
Concen: 3.319 ug/l
RT: 12.173 min Scan# 11
Delta R.T. 0.006 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

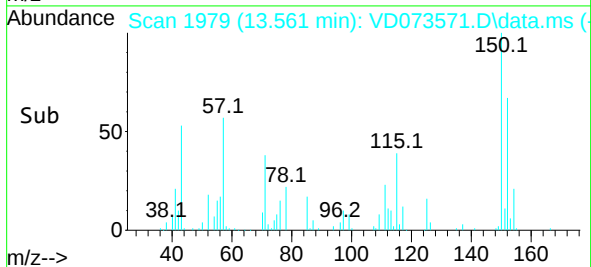
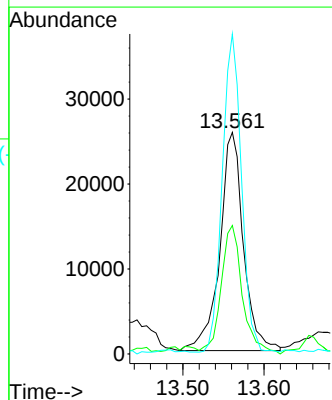
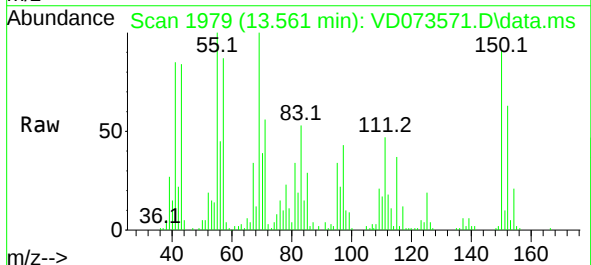
Instrument :
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WC-14A-1A-10RE

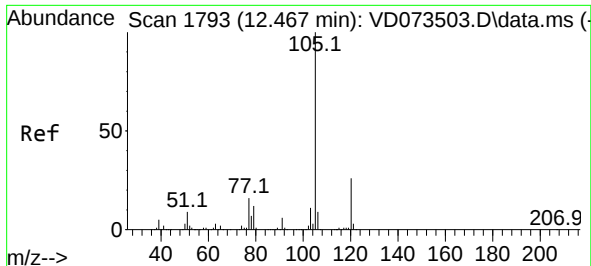
Tgt Ion:106 Resp: 3663
Ion Ratio Lower Upper
106 100
91 304.7 110.4 331.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.561 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

Tgt Ion:152 Resp: 51967
Ion Ratio Lower Upper
152 100
115 53.2 31.3 93.8
150 119.2 0.0 348.6

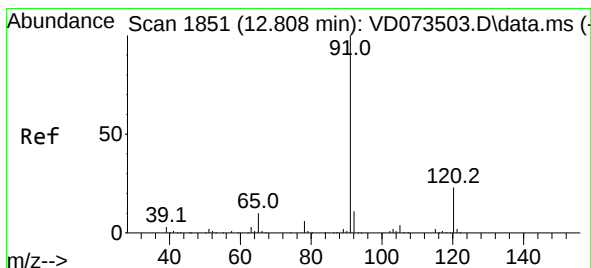
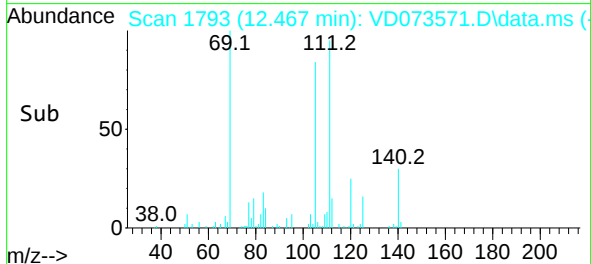
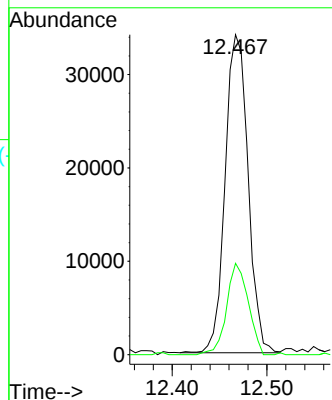
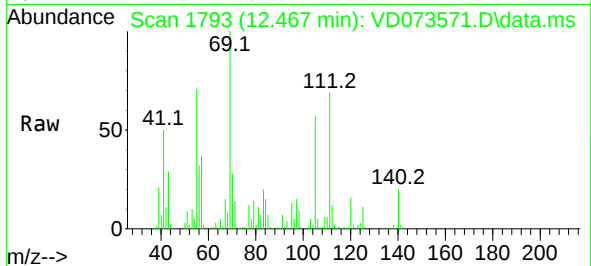




#73
Isopropylbenzene
Concen: 15.914 ug/l
RT: 12.467 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

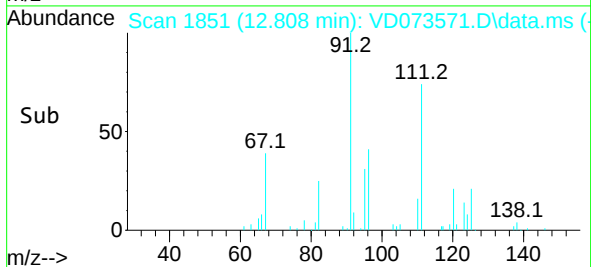
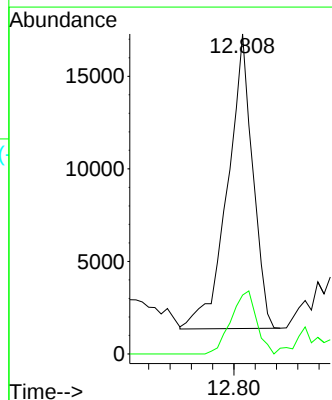
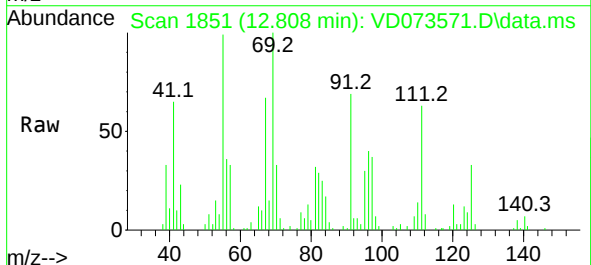
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10RE

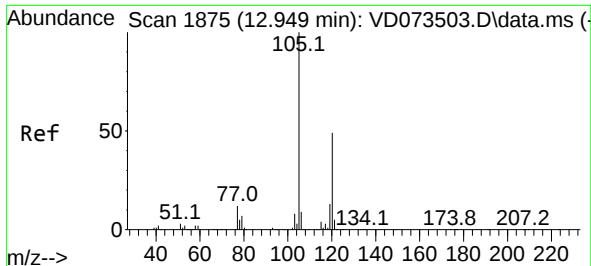
Tgt Ion:105 Resp: 57323
Ion Ratio Lower Upper
105 100
120 27.0 13.0 38.9



#78
n-propylbenzene
Concen: 5.813 ug/l
RT: 12.808 min Scan# 1851
Delta R.T. 0.000 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

Tgt Ion: 91 Resp: 26061
Ion Ratio Lower Upper
91 100
120 21.6 10.9 32.9

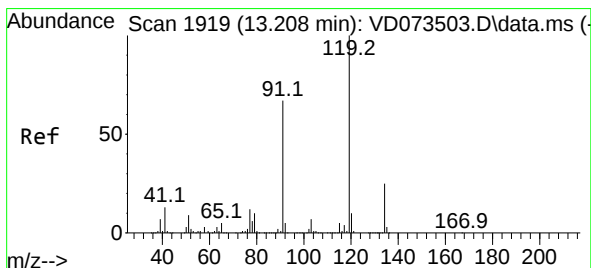
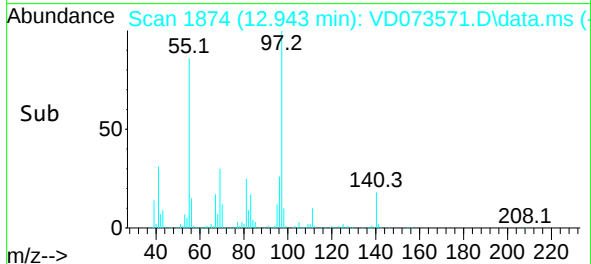
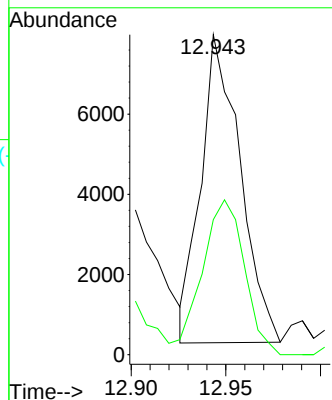
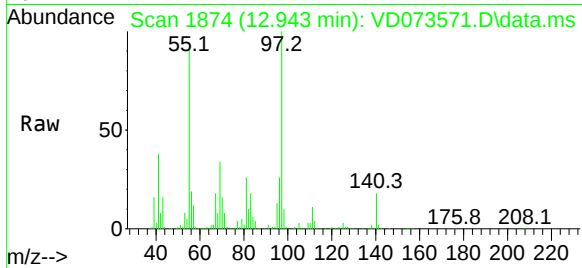




#80
1,3,5-Trimethylbenzene
Concen: 3.562 ug/l
RT: 12.943 min Scan# 11
Delta R.T. -0.006 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

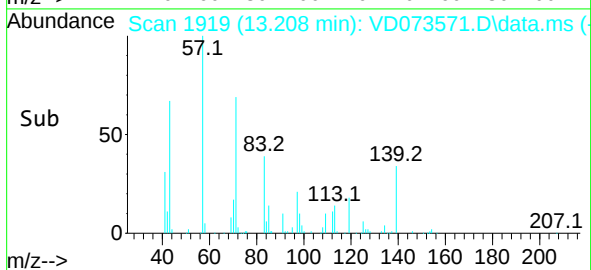
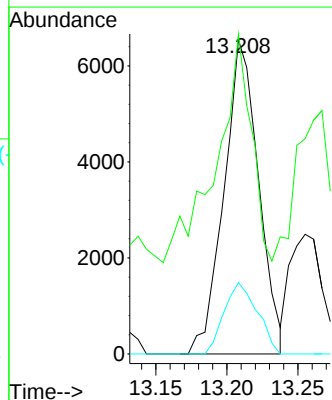
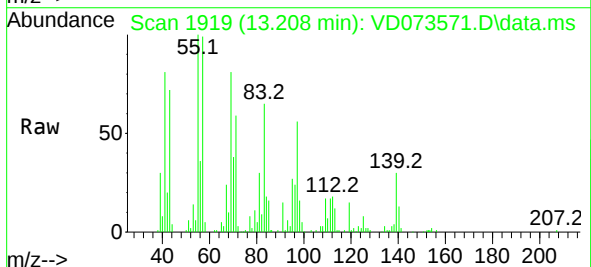
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10RE

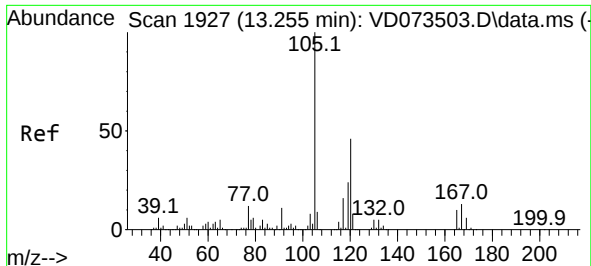
Tgt Ion:105 Resp: 11066
Ion Ratio Lower Upper
105 100
120 54.2 24.3 72.8



#83
tert-Butylbenzene
Concen: 4.216 ug/l
RT: 13.208 min Scan# 1919
Delta R.T. 0.000 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

Tgt Ion:119 Resp: 11069
Ion Ratio Lower Upper
119 100
91 73.3 34.8 104.5
134 21.8 13.3 39.9

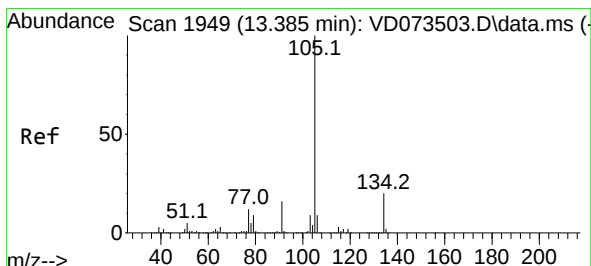
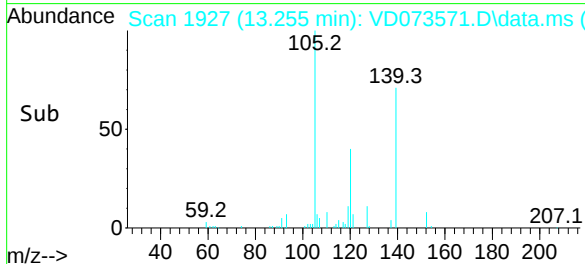
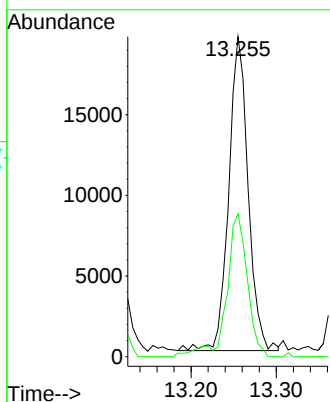
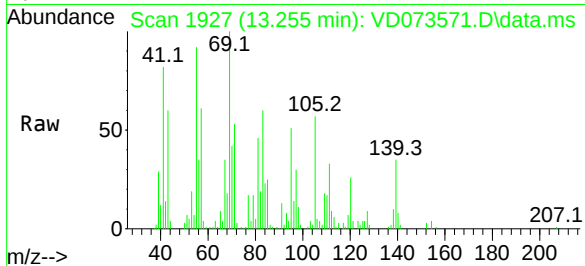




#84
1,2,4-Trimethylbenzene
Concen: 9.934 ug/l
RT: 13.255 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

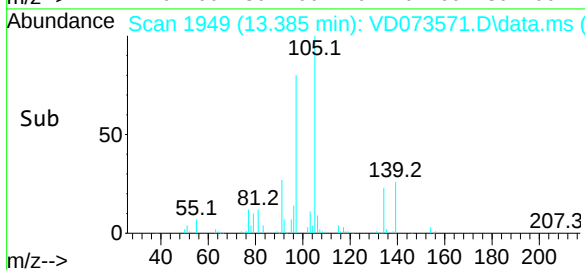
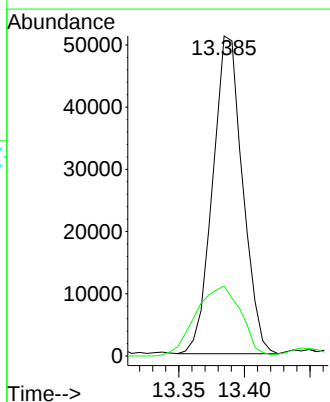
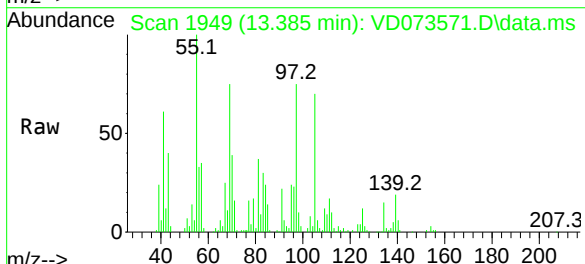
Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10RE

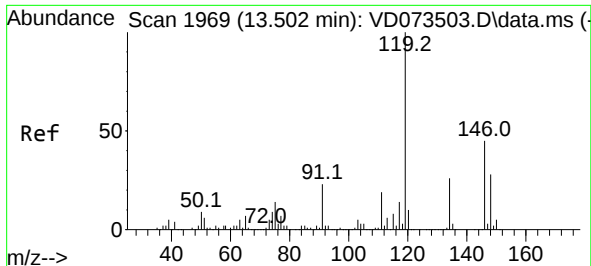
Tgt Ion:105 Resp: 30801
Ion Ratio Lower Upper
105 100
120 44.7 22.3 66.8



#85
sec-Butylbenzene
Concen: 20.595 ug/l
RT: 13.385 min Scan# 1949
Delta R.T. -0.000 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

Tgt Ion:105 Resp: 81007
Ion Ratio Lower Upper
105 100
134 33.2 9.8 29.3#

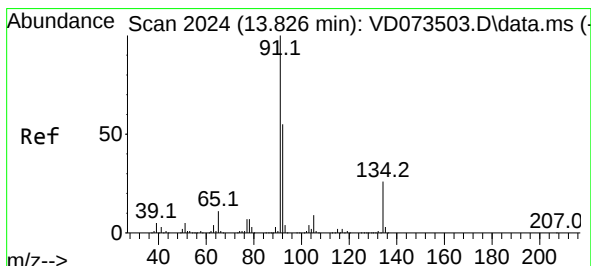
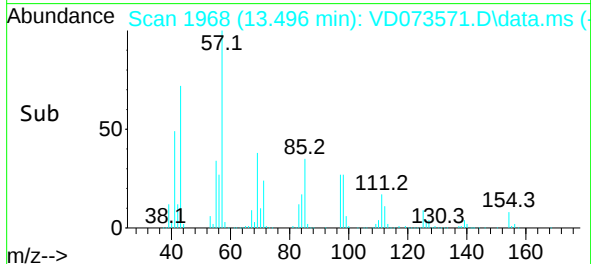
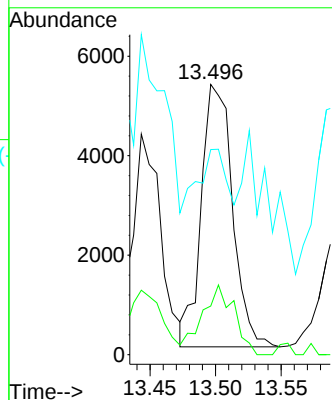
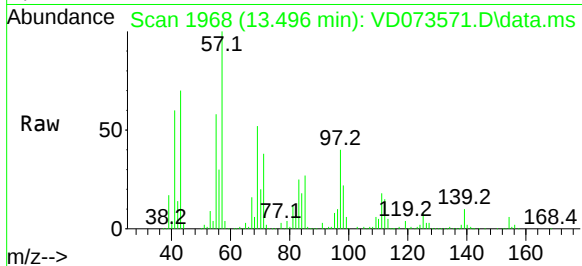




#86
p-Isopropyltoluene
Concen: 2.669 ug/l
RT: 13.496 min Scan# 1968
Delta R.T. -0.006 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

Instrument :
MSVOA_D
ClientSampleId :
WC-14A-1A-10RE

Tgt Ion:119 Resp: 8750
Ion Ratio Lower Upper
119 100
134 27.2 12.9 38.6
91 0.0 12.1 36.3#



#89
n-Butylbenzene
Concen: 13.374 ug/l
RT: 13.826 min Scan# 2024
Delta R.T. -0.000 min
Lab File: VD073571.D
Acq: 14 Jun 2022 16:02

Tgt Ion: 91 Resp: 41365
Ion Ratio Lower Upper
91 100
92 49.8 26.6 79.8
134 0.0 12.3 36.9#

