

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD021120\
 Data File : VD065149.D
 Acq On : 11 Feb 2020 17:34
 Operator : VA/SY
 Sample : L1491-04
 Misc : 8.21G/5.00ml/MSVOA D/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2A-(13.5-15.5)

Quant Time: Feb 12 07:26:56 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 05 15:53:00 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	500247	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	773471	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	736713	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	284500	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	210616	49.54	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	99.08%	
35) Dibromofluoromethane	7.92	113	231560	53.66	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.32%	
50) Toluene-d8	10.34	98	1155137	67.25	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	134.50%	
62) 4-Bromofluorobenzene	12.64	95	413452	75.96	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	151.92%	

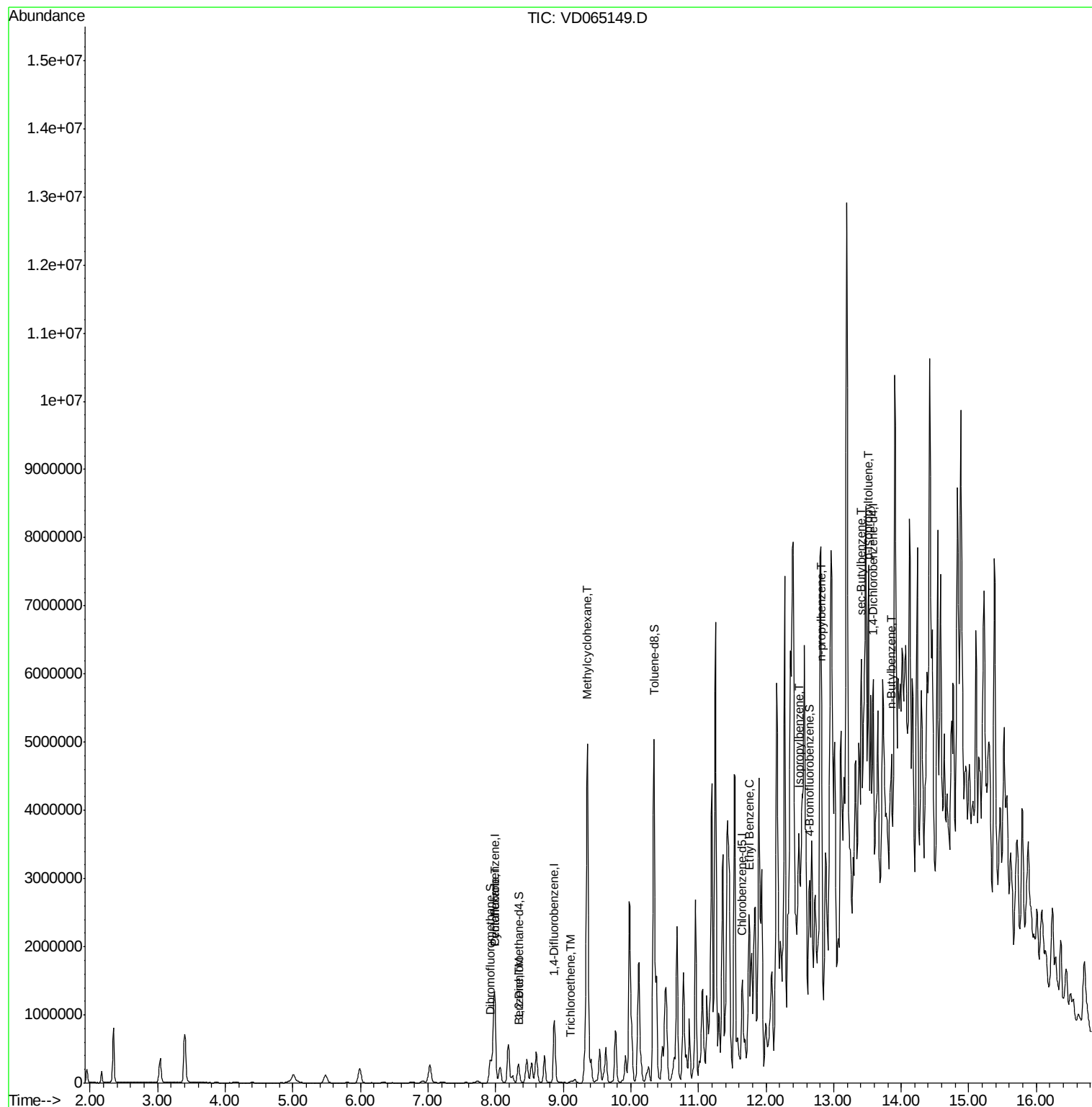
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
31) Cyclohexane	7.98	56	430864	50.942	ug/l	99
39) Methylcyclohexane	9.36	83	2104988	237.118	ug/l	99
40) Benzene	8.36	78	25593	1.289	ug/l	98
44) Trichloroethene	9.11	130	7432	1.304	ug/l	86
67) Ethyl Benzene	11.75	91	1135639	43.868	ug/l	98
73) Isopropylbenzene	12.48	105	990831	50.742	ug/l	100
78) n-propylbenzene	12.83	91	1599492	69.945	ug/l	99
85) sec-Butylbenzene	13.41	105	1765554	93.793	ug/l	89
86) p-Isopropyltoluene	13.53	119	51921	2.969	ug/l #	55
89) n-Butylbenzene	13.86	91	803228	49.758	ug/l	98

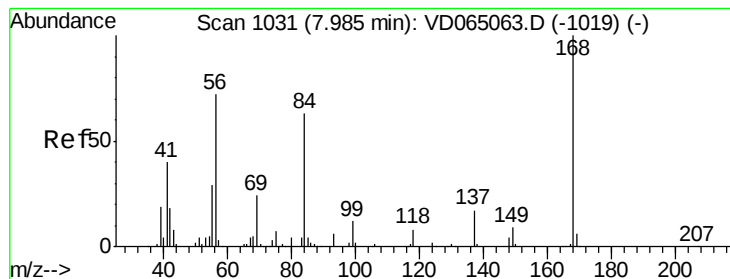
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 12 07:26:56 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D020520S.M
Quant Title : SW846 8260
QLast Update : Wed Feb 05 15:53:00 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

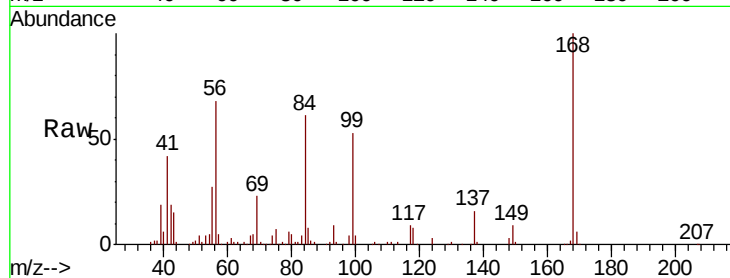
SB-2A-(13.5-15.5)

Tot Ion:168 Resp: 500247

Ion Ratio Lower Upper

168 100

99 52.9 41.0 61.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

250000

200000

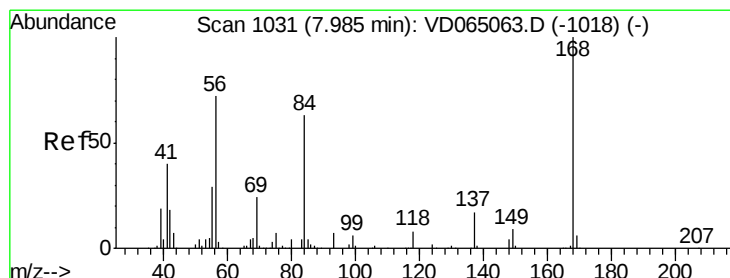
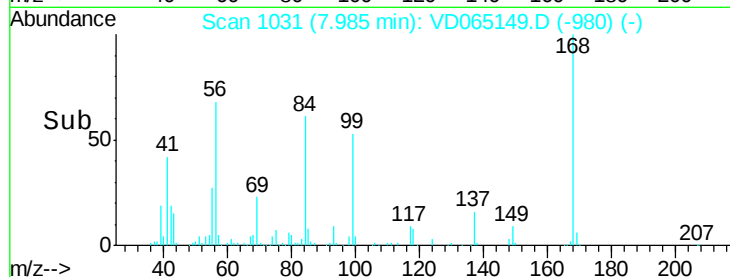
150000

100000

50000

0

Time-->



#31

Cyclohexane

Concen: 50.942 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

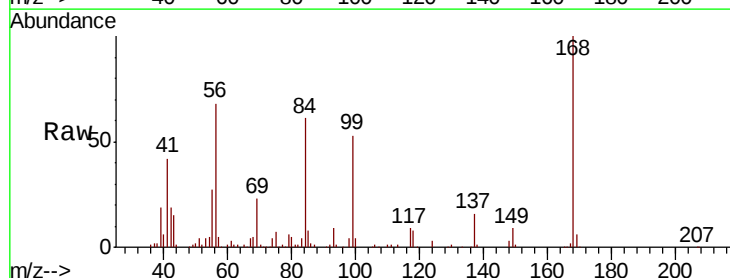
Tgt Ion: 56 Resp: 430864

Ion Ratio Lower Upper

56 100

69 33.8 26.6 40.0

84 89.3 70.6 106.0



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 69.00 (68.70 to 69.70): VDC

Ion 84.00 (83.70 to 84.70): VDC

7.98

200000

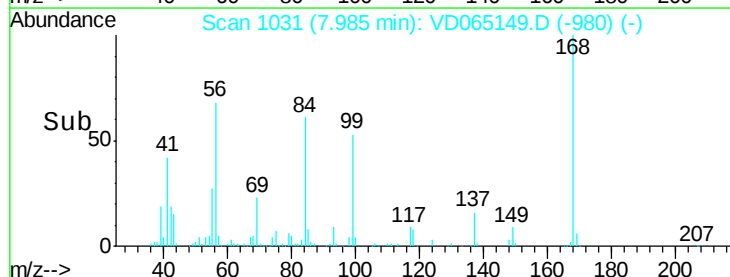
150000

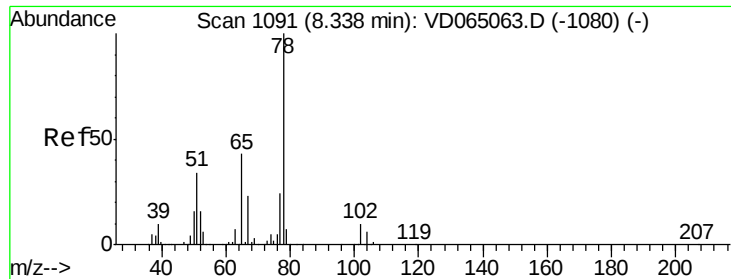
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Time-->

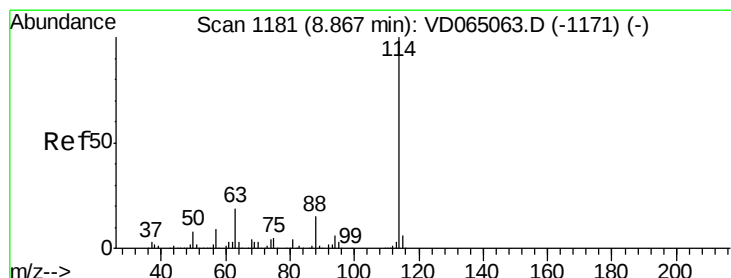
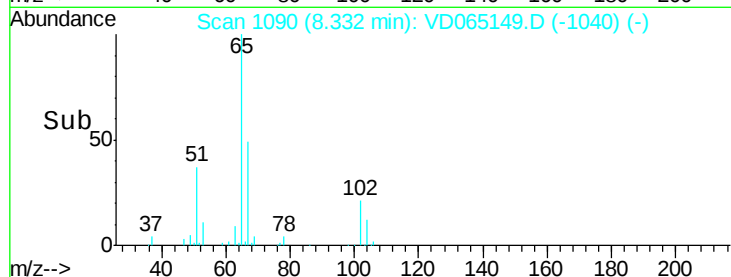
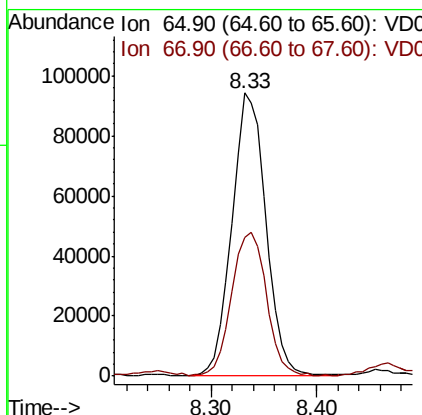
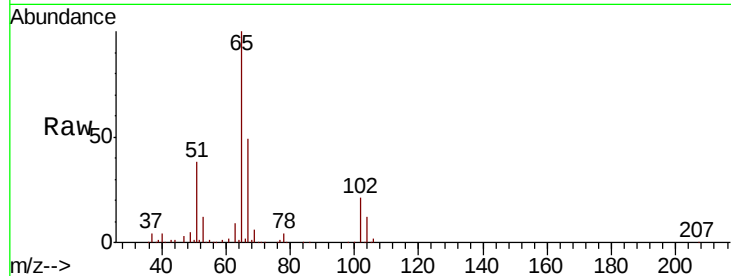




#33
 1,2-Dichloroethane-d4
 Concen: 49.537 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.01 min
 Lab File: VD065149.D
 Acq: 11 Feb 2020 17:34

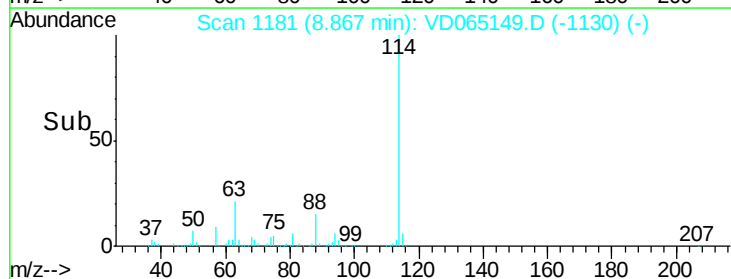
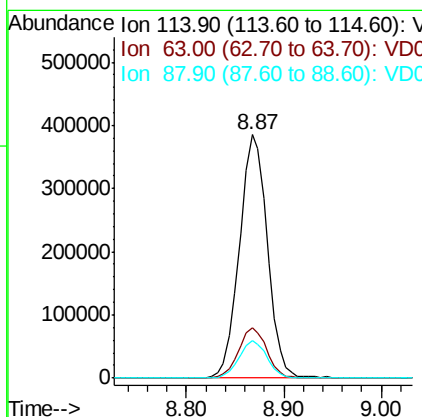
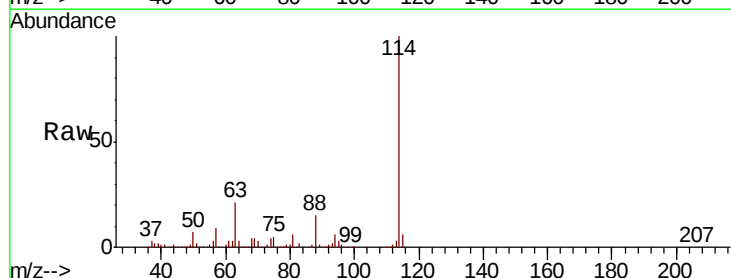
Instrument :
 MSVOA_D
 ClientSampleId :
 SB-2A-(13.5-15.5)

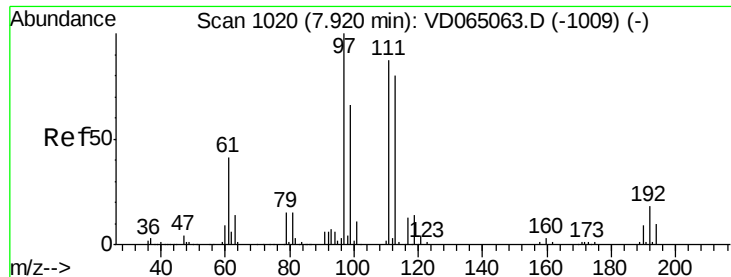
Tot Ion: 65 Resp: 210616
 Ion Ratio Lower Upper
 65 100
 67 51.3 0.0 105.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.00 min
 Lab File: VD065149.D
 Acq: 11 Feb 2020 17:34

Tgt Ion: 114 Resp: 773471
 Ion Ratio Lower Upper
 114 100
 63 20.8 0.0 38.8
 88 15.2 0.0 29.6

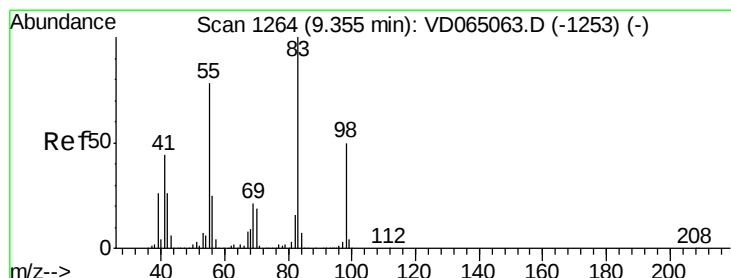
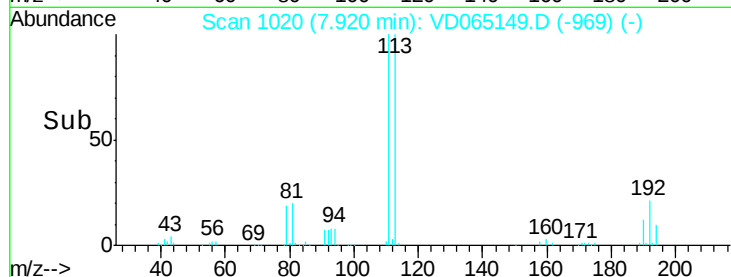
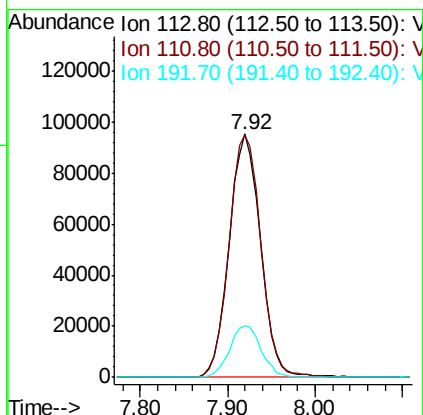
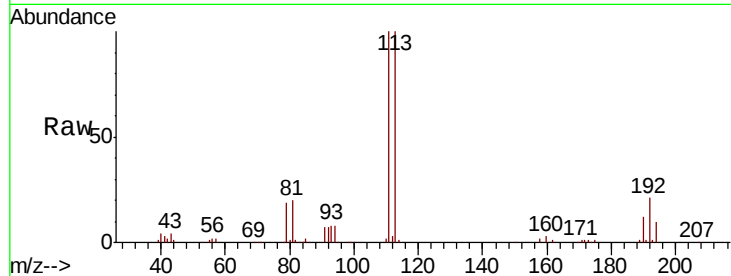




#35
Dibromofluoromethane
Concen: 53.658 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

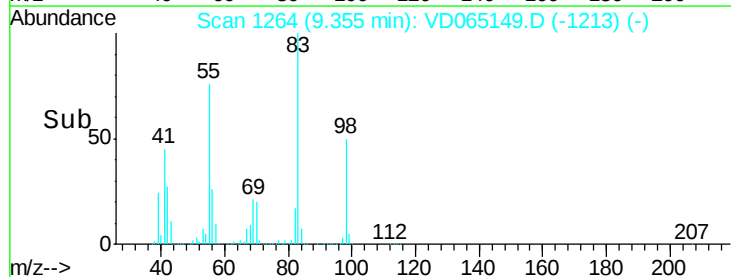
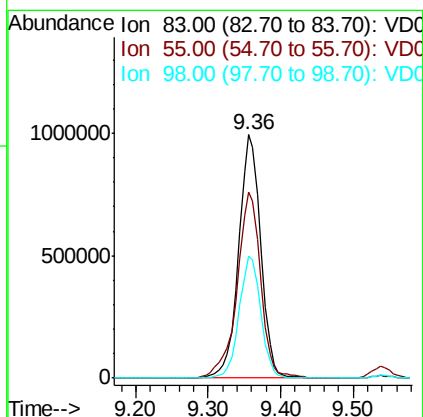
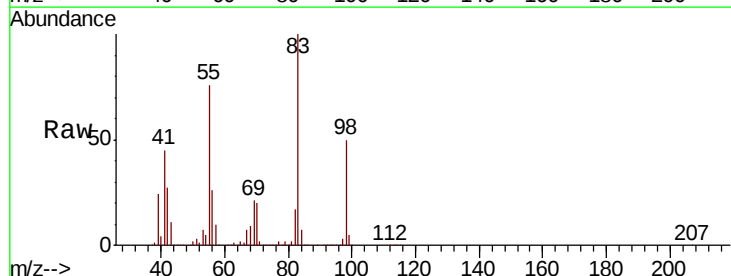
Instrument :
MSVOA_D
ClientSampleId :
SB-2A-(13.5-15.5)

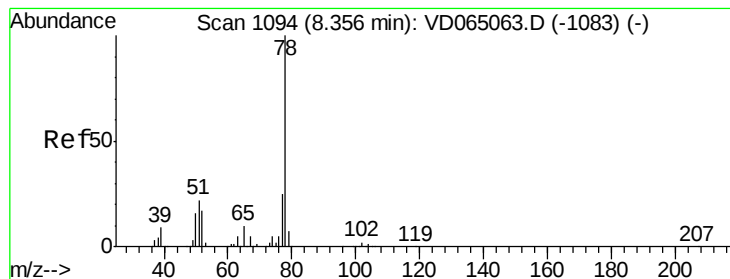
Tot Ion	Ratio	Lower	Upper
113	100		
111	101.4	83.1	124.7
192	21.4	18.1	27.1



#39
Methylcyclohexane
Concen: 237.118 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Tgt Ion	Ratio	Lower	Upper
83	100		
55	76.3	62.0	93.0
98	50.1	39.9	59.9





#40

Benzene

Concen: 1.289 ug/l

RT: 8.36 min Scan# 1094

Delta R.T. -0.00 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

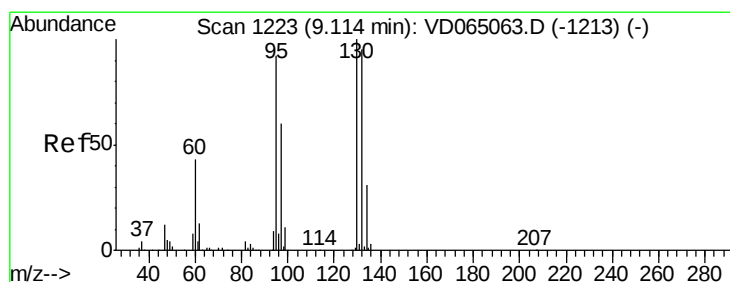
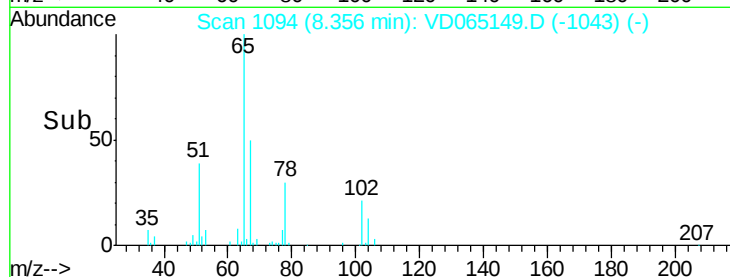
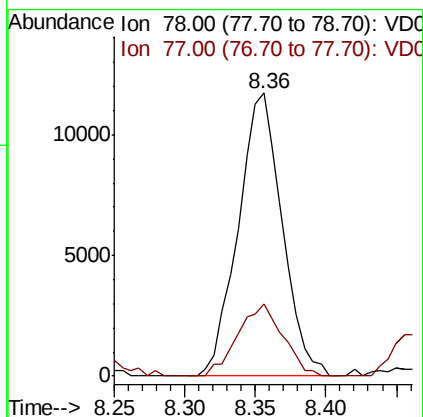
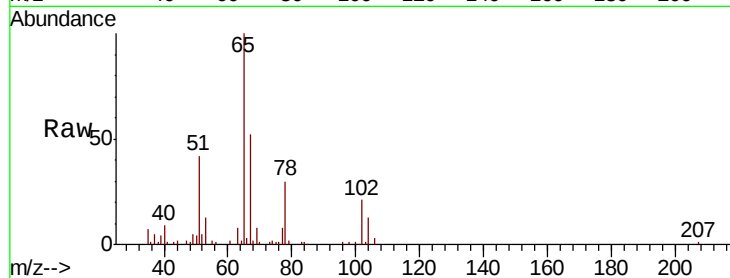
SB-2A-(13.5-15.5)

Tot Ion: 78 Resp: 25593

Ion Ratio Lower Upper

78 100

77 25.4 19.6 29.4



#44

Trichloroethene

Concen: 1.304 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.00 min

Lab File: VD065149.D

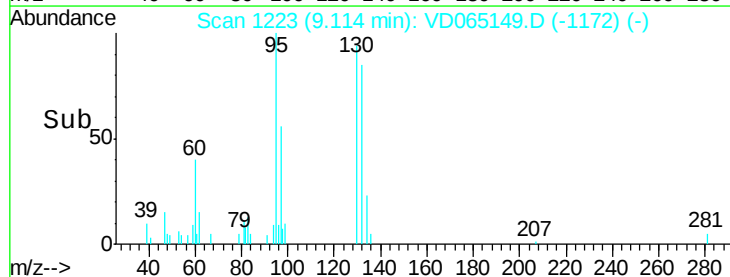
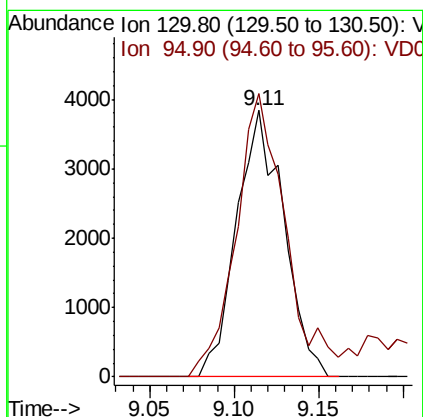
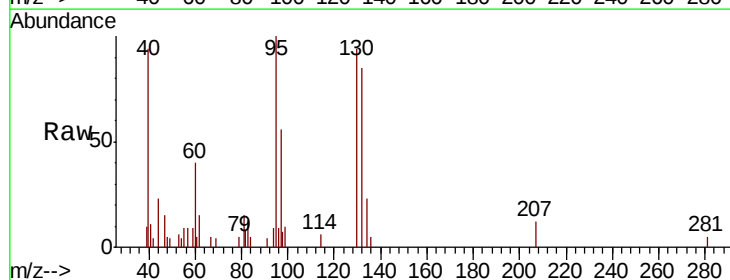
Acq: 11 Feb 2020 17:34

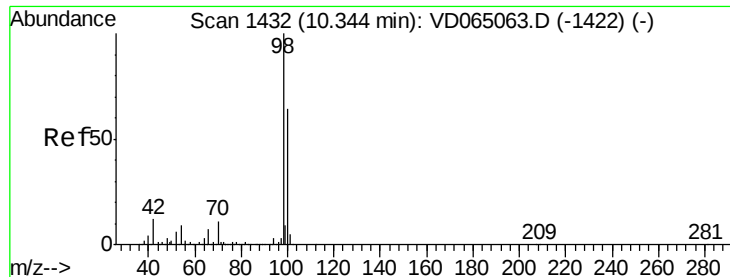
Tgt Ion: 130 Resp: 7432

Ion Ratio Lower Upper

130 100

95 106.3 0.0 185.0

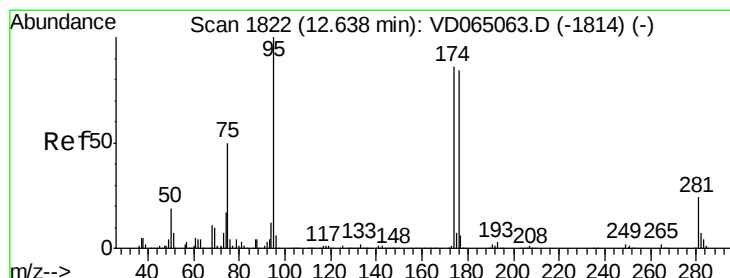
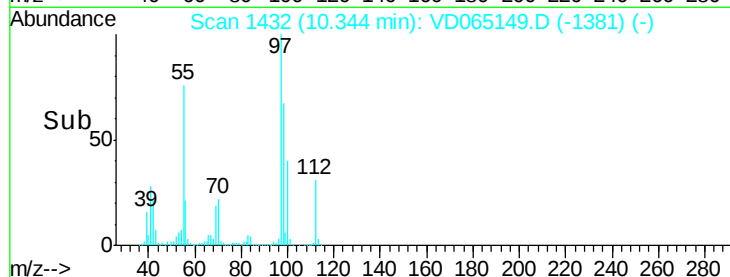
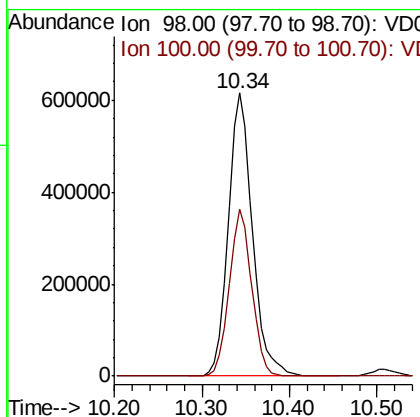
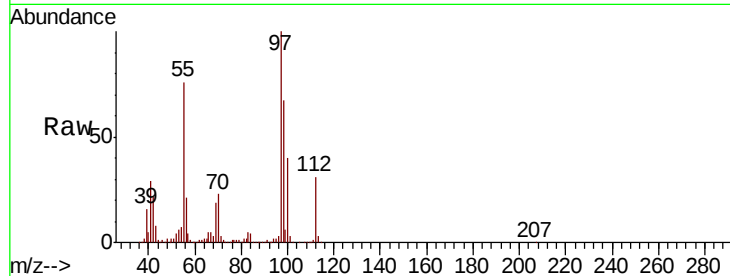




#50
Toluene-d8
Concen: 67.249 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

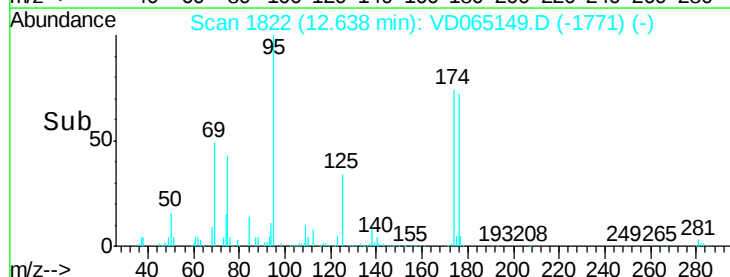
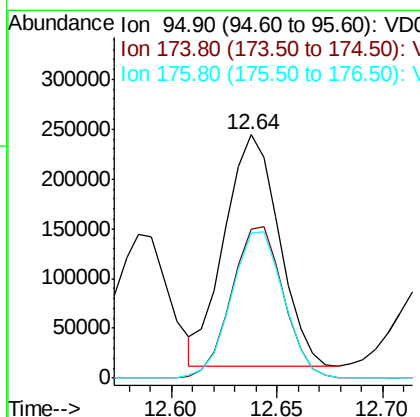
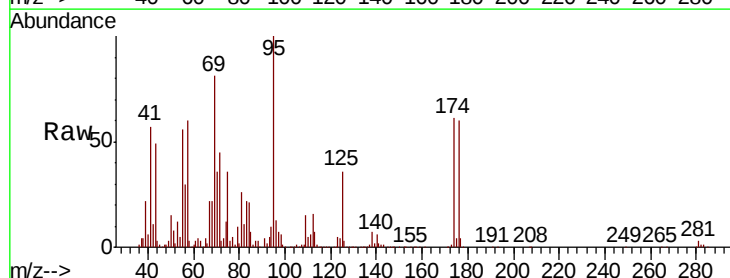
Instrument :
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SB-2A-(13.5-15.5)

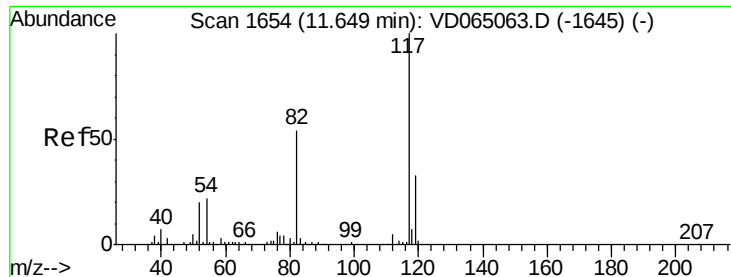
Tot Ion: 98 Resp: 1155137
Ion Ratio Lower Upper
98 100
100 54.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 75.964 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Tgt Ion: 95 Resp: 413452
Ion Ratio Lower Upper
95 100
174 63.0 0.0 180.0
176 61.6 0.0 173.2

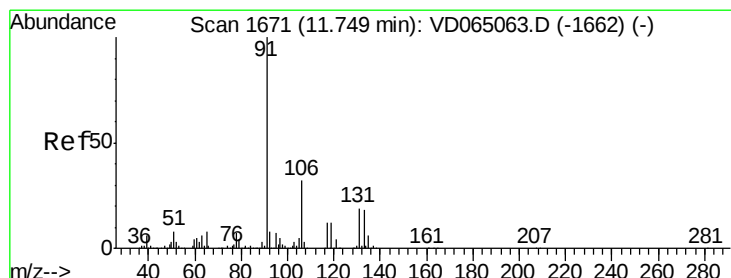
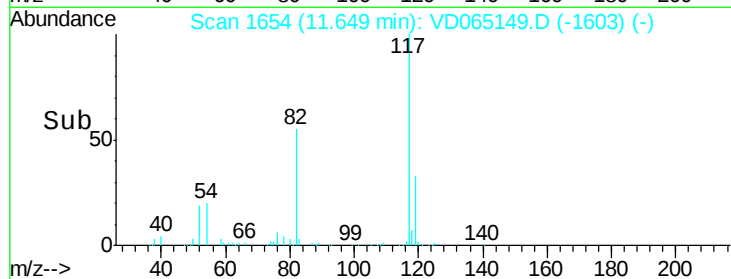
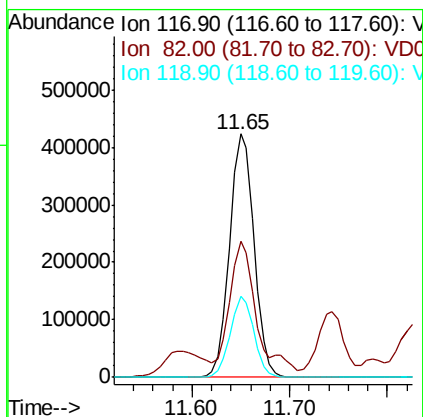
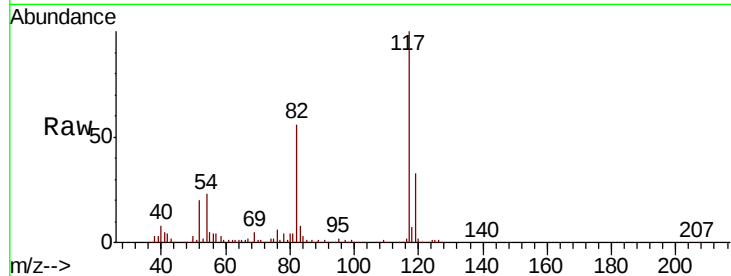




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

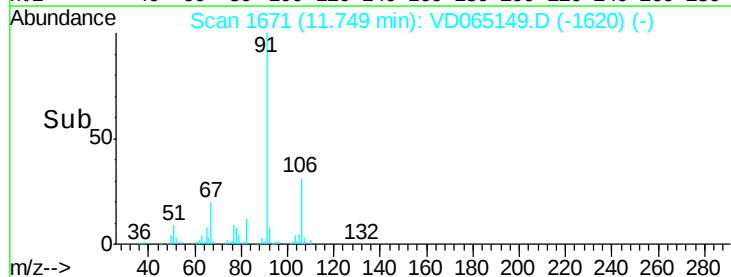
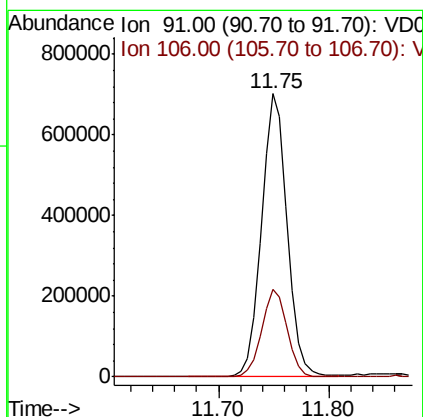
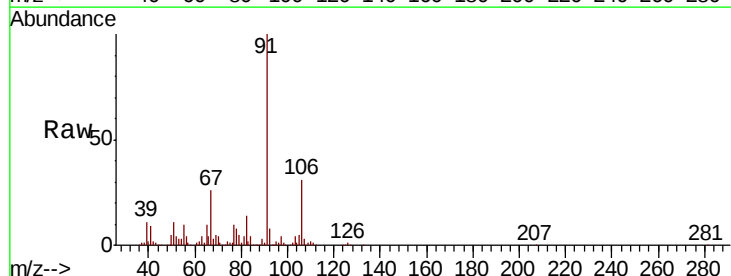
Instrument :
MSVOA_D
ClientSampleId :
SB-2A-(13.5-15.5)

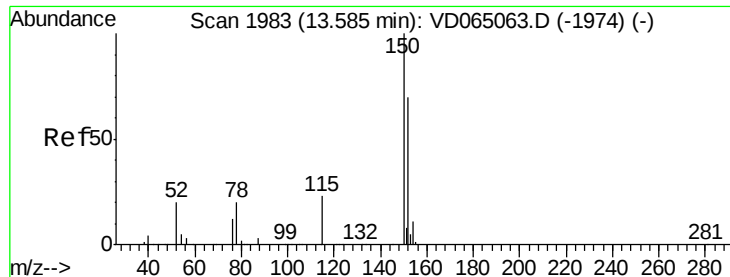
Tot Ion:117 Resp: 736713
Ion Ratio Lower Upper
117 100
82 45.8 43.1 64.7
119 33.1 26.0 39.0



#67
Ethyl Benzene
Concen: 43.868 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Tgt Ion: 91 Resp: 1135639
Ion Ratio Lower Upper
91 100
106 31.0 25.4 38.2



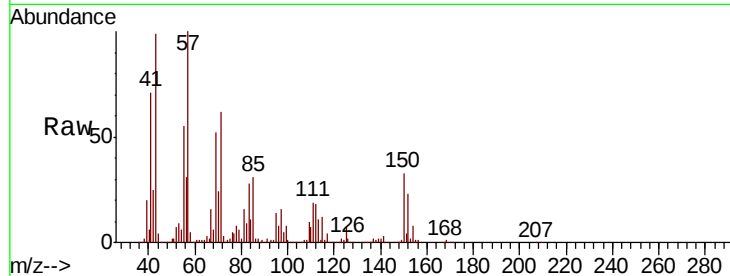


#72

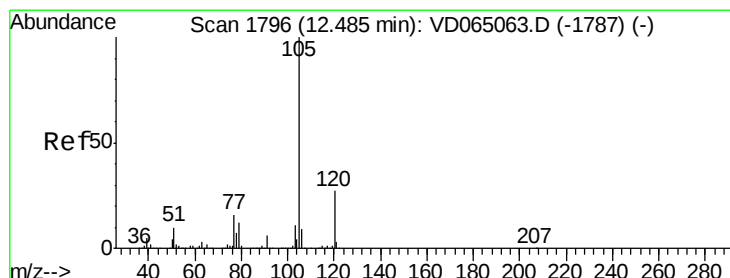
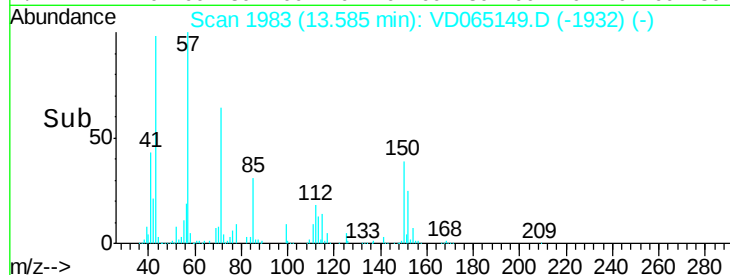
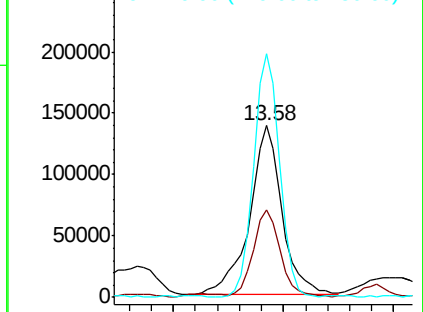
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion	Ratio	Lower	Upper
152	100		
115	41.8	27.5	82.4
150	114.8	0.0	343.2



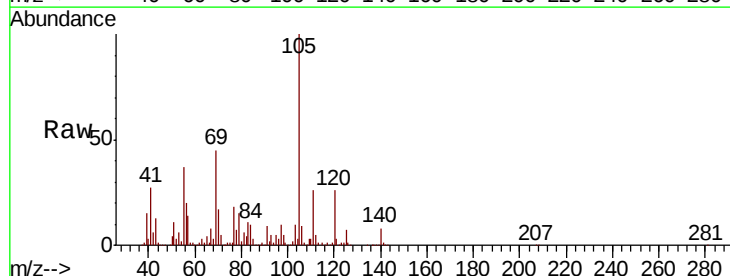
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



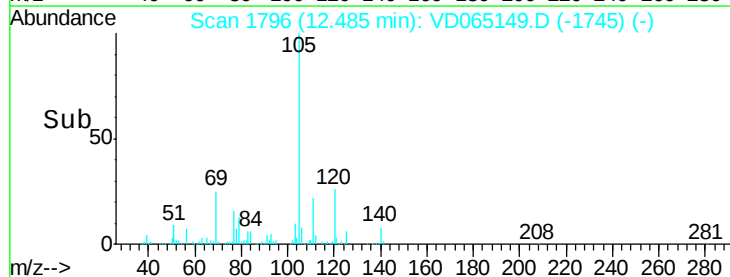
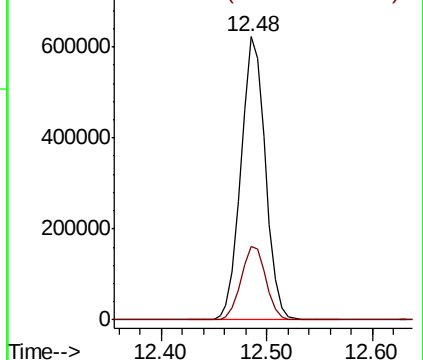
#73

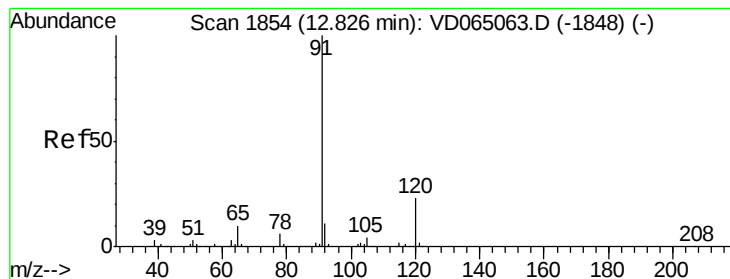
Isopropylbenzene
Concen: 50.742 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.3	39.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#78

n-propylbenzene

Concen: 69.945 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD065149.D

Acq: 11 Feb 2020 17:34

Instrument :

MSVOA_D

ClientSampleId :

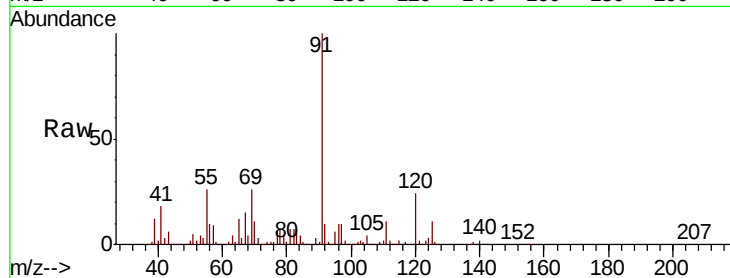
SB-2A-(13.5-15.5)

Tot Ion: 91 Resp: 1599492

Ion Ratio Lower Upper

91 100

120 23.0 11.8 35.3

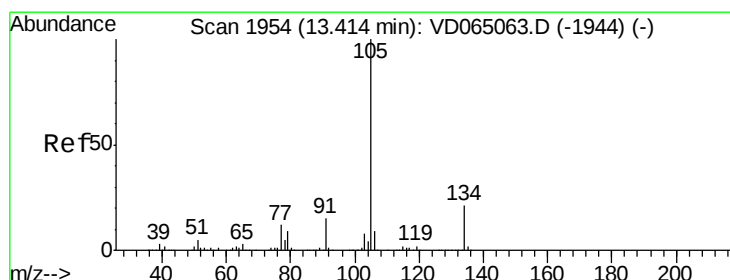
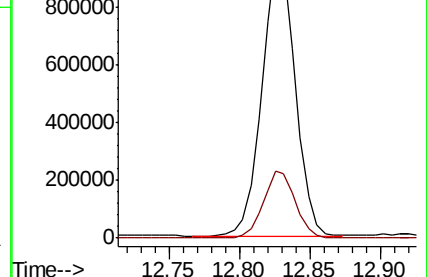
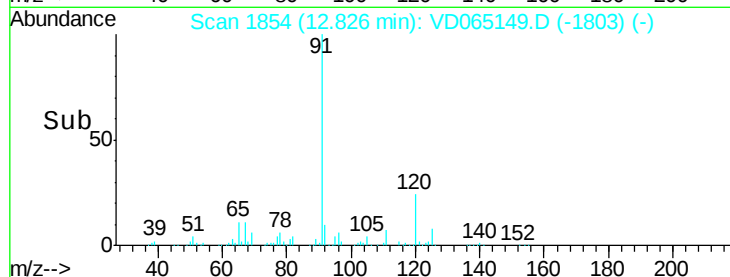


Abundance Ion 91.00 (90.70 to 91.70): VD065149.D (-1803) (-)

Ion 120.00 (119.70 to 120.70): VD065149.D (-1803) (-)

12.83

Time-->



#85

sec-Butylbenzene

Concen: 93.793 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VD065149.D

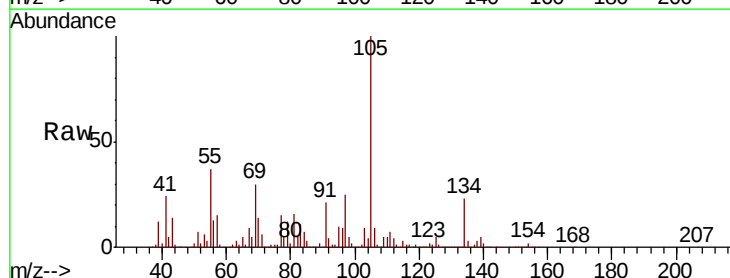
Acq: 11 Feb 2020 17:34

Tgt Ion: 105 Resp: 1765554

Ion Ratio Lower Upper

105 100

134 25.9 10.4 31.1

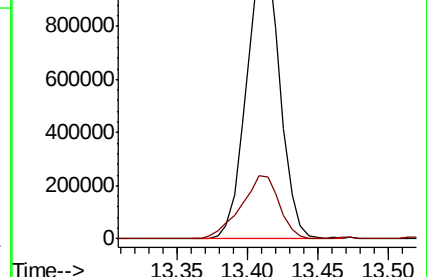
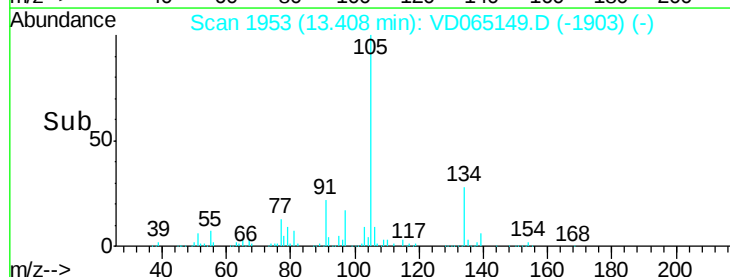


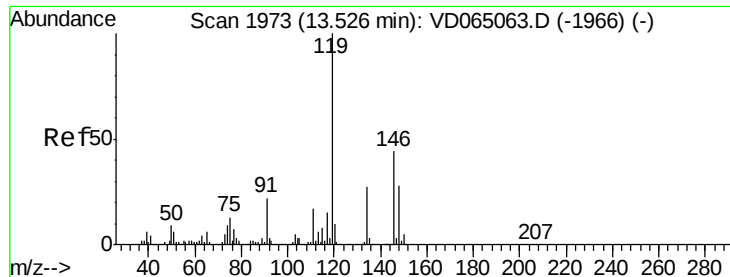
Abundance Ion 105.00 (104.70 to 105.70): VD065149.D (-1903) (-)

Ion 134.00 (133.70 to 134.70): VD065149.D (-1903) (-)

13.41

Time-->

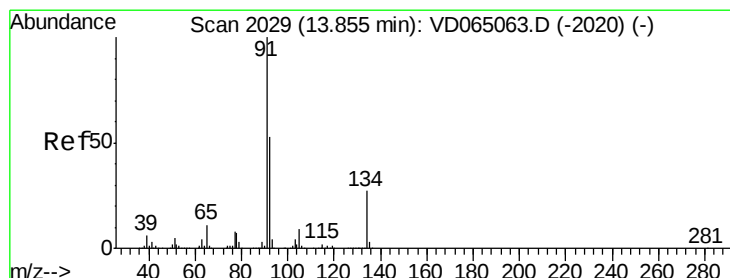
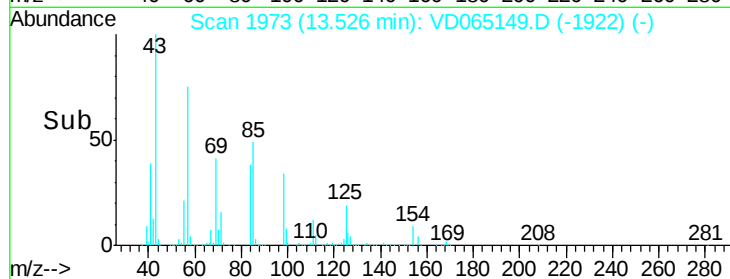
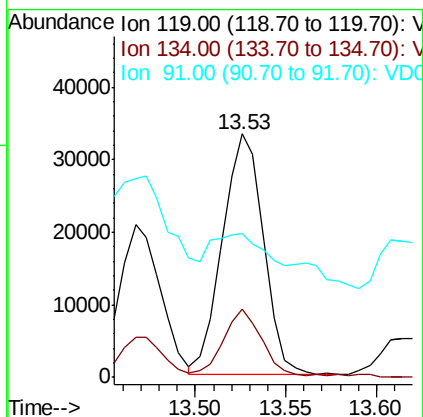
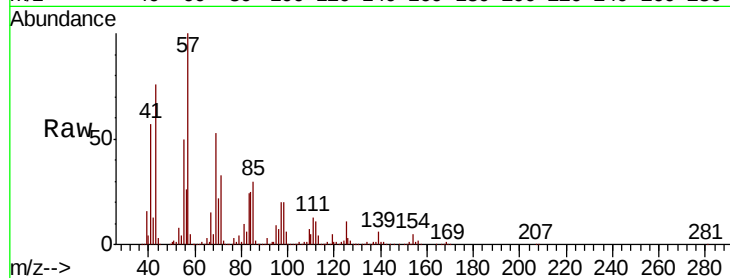




#86
p-Isopropyltoluene
Concen: 2.969 ug/l
RT: 13.53 min Scan# 1973
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Instrument :
MSVOA_D
ClientSampleId :
SB-2A-(13.5-15.5)

Tot Ion:119 Resp: 51921
Ion Ratio Lower Upper
119 100
134 0.0 13.5 40.5#
91 40.6 11.3 33.9#



#89
n-Butylbenzene
Concen: 49.758 ug/l
RT: 13.86 min Scan# 2029
Delta R.T. -0.00 min
Lab File: VD065149.D
Acq: 11 Feb 2020 17:34

Tgt Ion: 91 Resp: 803228
Ion Ratio Lower Upper
91 100
92 52.1 26.7 80.1
134 27.6 13.4 40.2

