

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD090420\
 Data File : VD066563.D
 Acq On : 04 Sep 2020 15:18
 Operator : VA/SY
 Sample : L3877-16
 Misc : 7.16G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

Manual Integrations
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Quant Time: Sep 05 08:01:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
 Quant Title : SW846 8260
 QLast Update : Fri Sep 04 01:57:04 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	393905	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	686240	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	631688	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	329067	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	242447	50.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.74%	
35) Dibromofluoromethane	7.91	113	227072	49.05	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	98.10%	
50) Toluene-d8	10.34	98	892528	53.94	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.88%	
62) 4-Bromofluorobenzene	12.63	95	368106	67.09	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	134.18%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.16	43	18555	21.160	ug/l	91
17) Carbon Disulfide	4.41	76	68459	5.247	ug/l	97
20) Methylene Chloride	4.97	84	52027m	4.919	ug/l	
39) Methylcyclohexane	9.35	83	141476	17.740	ug/l	96
40) Benzene	8.34	78	317321	16.223	ug/l	97
52) Toluene	10.40	92	18125	1.464	ug/l	93
67) Ethyl Benzene	11.74	91	312300	13.045	ug/l	97
68) m/p-Xylenes	11.85	106	44266	4.980	ug/l	84
69) o-Xylene	12.18	106	31494	3.954	ug/l	62
73) Isopropylbenzene	12.48	105	471535	19.354	ug/l	99
78) n-propylbenzene	12.82	91	105834	3.583	ug/l	93
83) tert-Butylbenzene	13.23	119	91203	5.446	ug/l	87
84) 1,2,4-Trimethylbenzene	13.27	105	58157	2.849	ug/l	98
85) sec-Butylbenzene	13.40	105	379342	15.723	ug/l	80
86) p-Isopropyltoluene	13.52	119	118859	5.474	ug/l	98
89) n-Butylbenzene	13.83	91	167380m	7.910	ug/l	

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

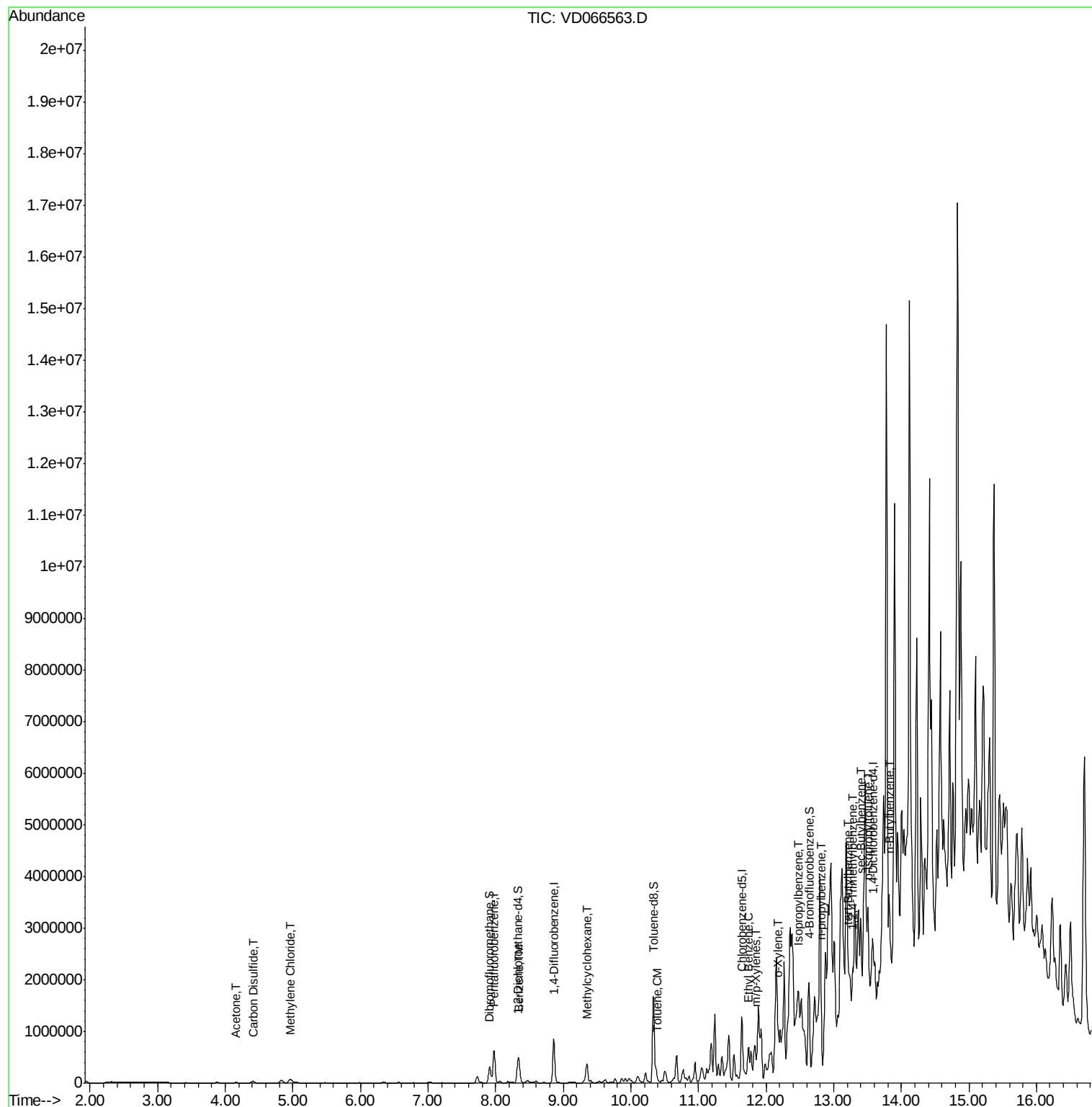
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD090420\
Data File : VD066563.D
Acq On : 04 Sep 2020 15:18
Operator : VA/SY
Sample : L3877-16
Misc : 7.16G/5.00ml/MSVOA D/SOIL
ALS Vial : 11 Sample Multiplier: 1

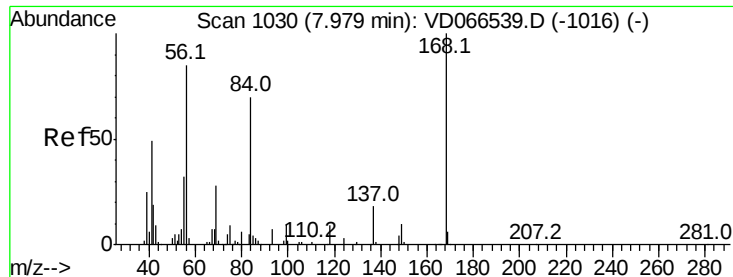
Instrument :
MSVOA_D
ClientSampleId :
TP-4

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Quant Time: Sep 05 08:01:15 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D090320S.M
Quant Title : SW846 8260
QLast Update : Fri Sep 04 01:57:04 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD066563.D

Acq: 04 Sep 2020 15:18

Instrument :

MSVOA_D

ClientSampled :

TP-4

Tot Ion:168 Resp: 393905

Ion Ratio Lower Upper

168 100

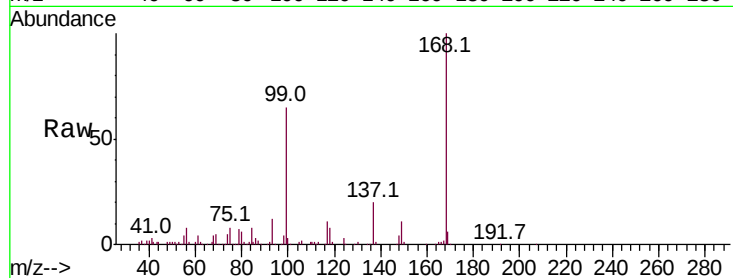
99 65.1 50.5 75.7

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

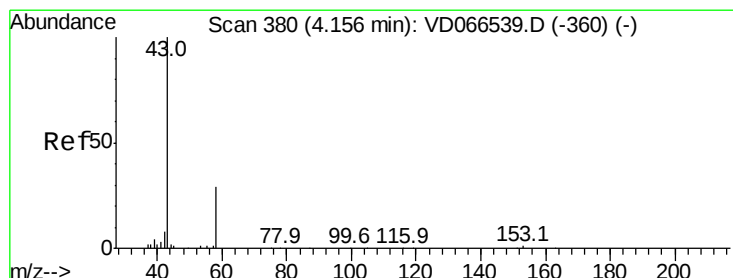
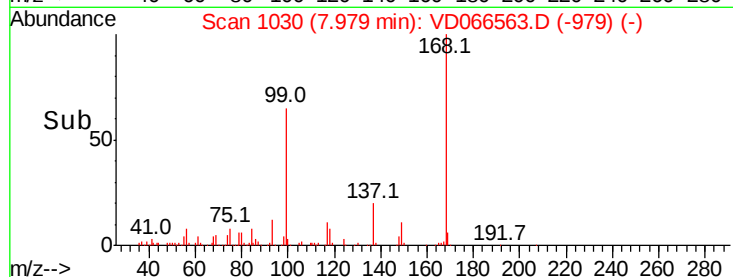
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 21.160 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD066563.D

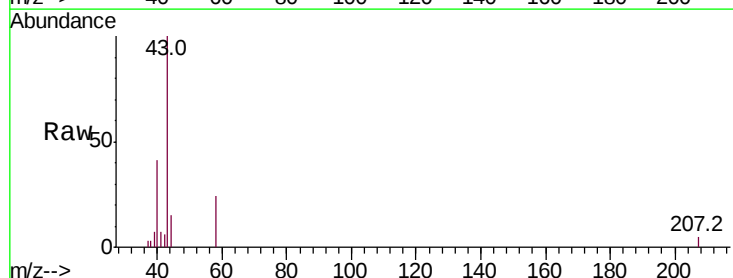
Acq: 04 Sep 2020 15:18

Tgt Ion: 43 Resp: 18555

Ion Ratio Lower Upper

43 100

58 23.6 22.9 34.3



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.16

8000

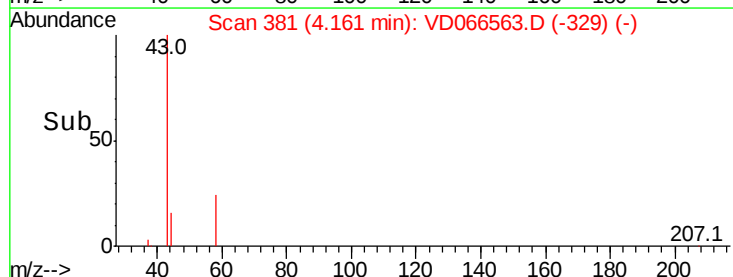
6000

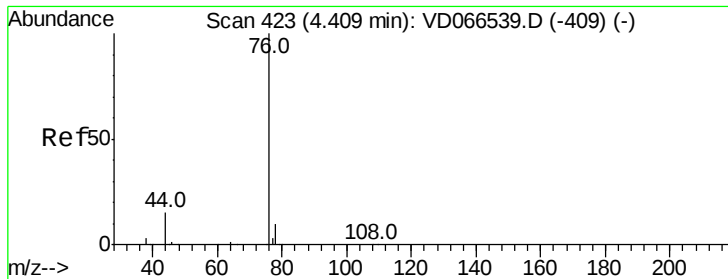
4000

2000

0

Time-->





#17

Carbon Disulfide

Concen: 5.247 ug/l

RT: 4.41 min Scan# 424

Delta R.T. 0.01 min

Lab File: VD066563.D

Acq: 04 Sep 2020 15:18

Instrument :

MSVOA_D

ClientSampled :

TP-4

Tot Ion: 76 Resp: 68459

Ion Ratio Lower Upper

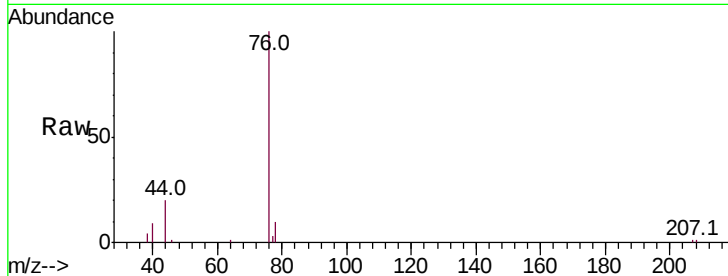
76 100

78 10.5 7.6 11.4

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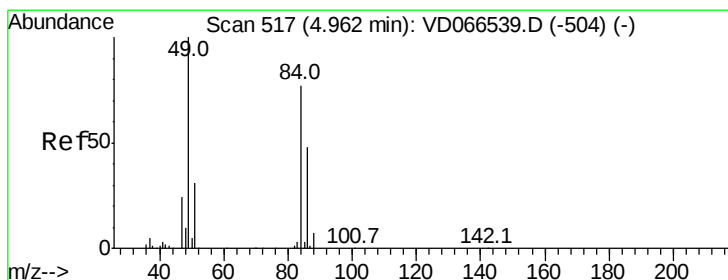
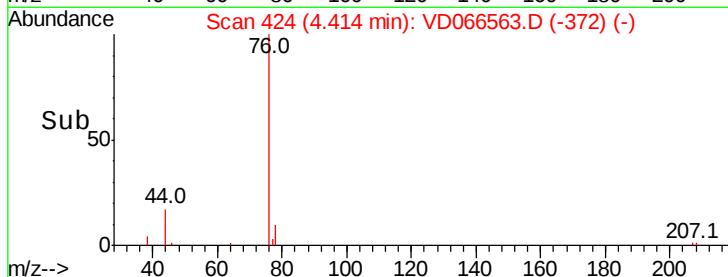
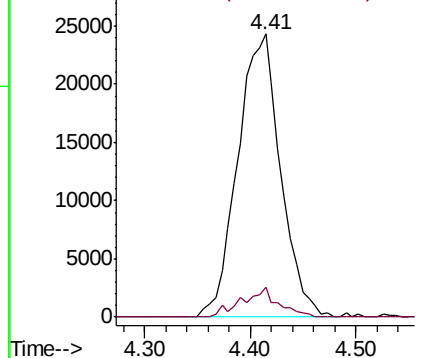
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Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#20

Methylene Chloride

Concen: 4.919 ug/l m

RT: 4.97 min Scan# 518

Delta R.T. 0.01 min

Lab File: VD066563.D

Acq: 04 Sep 2020 15:18

Tgt Ion: 84 Resp: 52027

Ion Ratio Lower Upper

84 100

49 113.0 104.3 156.5

51 39.7 32.2 48.4

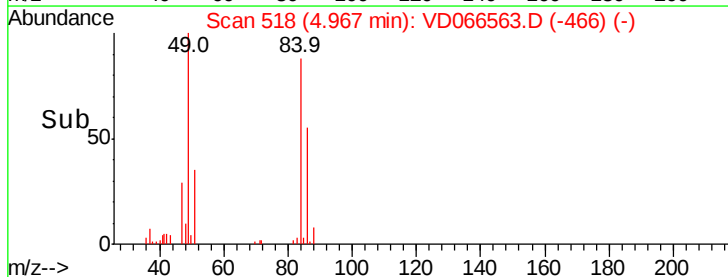
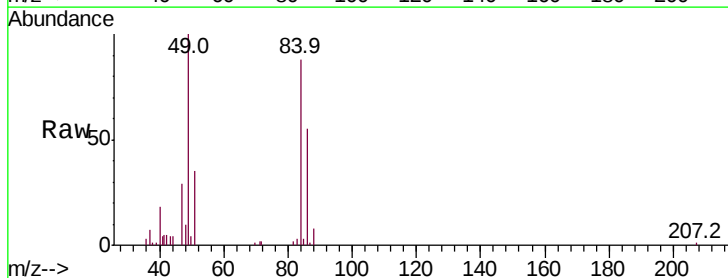
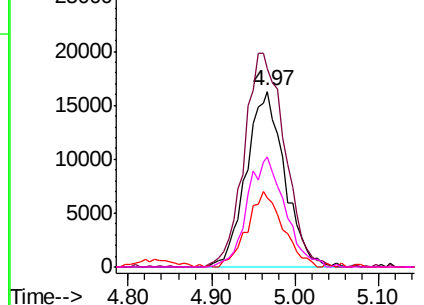
86 62.5 50.0 75.0

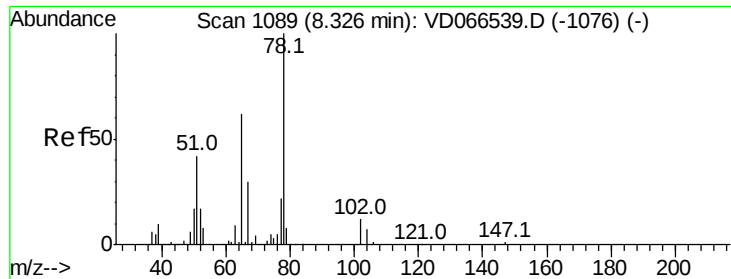
Abundance Ion 83.90 (83.60 to 84.60): VDC

Ion 48.90 (48.60 to 49.60): VDC

Ion 50.90 (50.60 to 51.60): VDC

Ion 85.90 (85.60 to 86.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 50.871 ug/l

RT: 8.33 min Scan# 1089

Delta R.T. -0.00 min

Lab File: VD066563.D

Acq: 04 Sep 2020 15:18

Instrument :

MSVOA_D

ClientSampleId :

TP-4

Tot Ion: 65 Resp: 242447

Ion Ratio Lower Upper

65 100

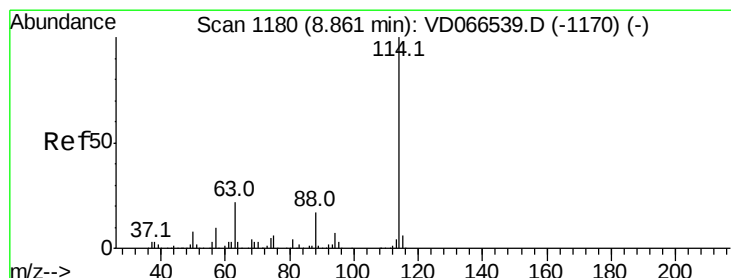
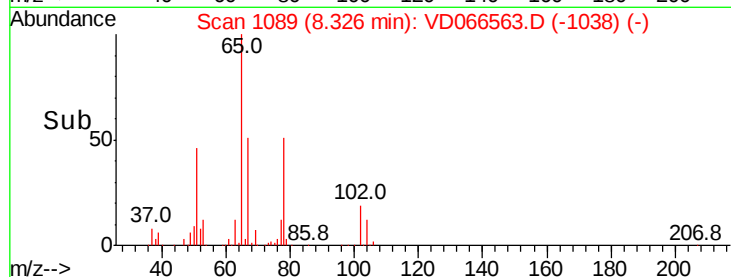
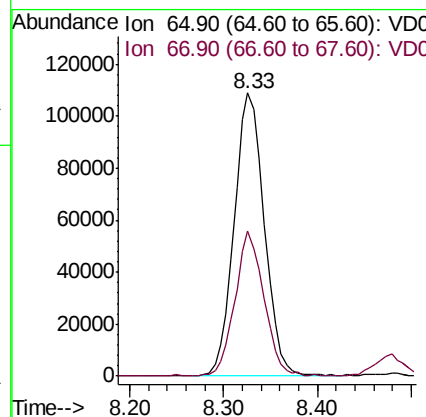
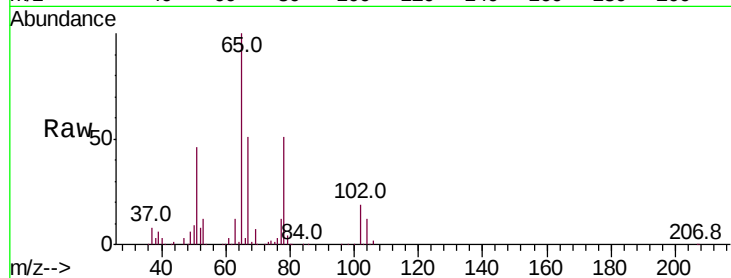
67 49.1 0.0 102.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066563.D

Acq: 04 Sep 2020 15:18

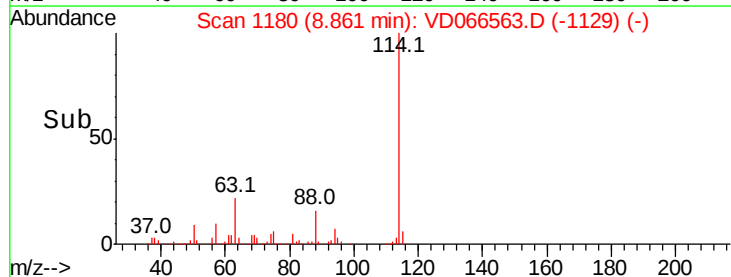
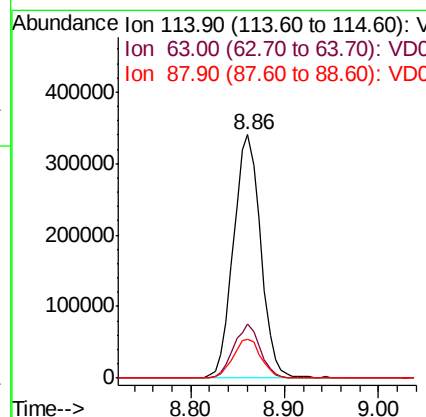
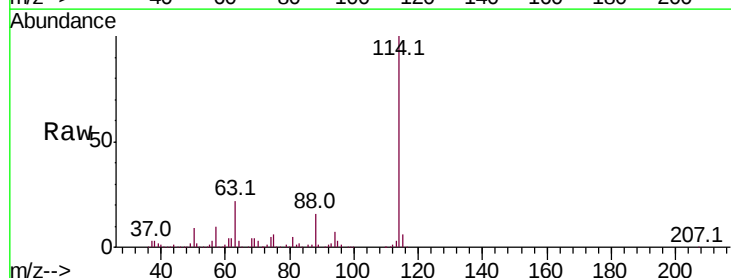
Tgt Ion: 114 Resp: 686240

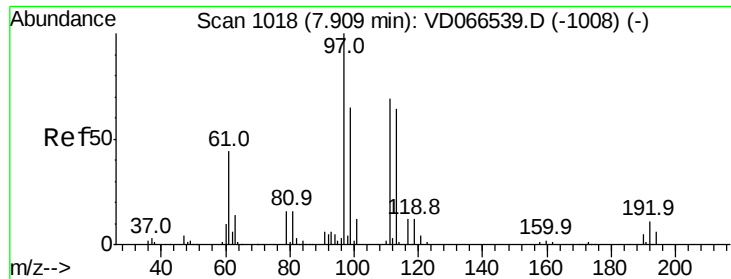
Ion Ratio Lower Upper

114 100

63 22.4 0.0 43.2

88 15.8 0.0 33.2





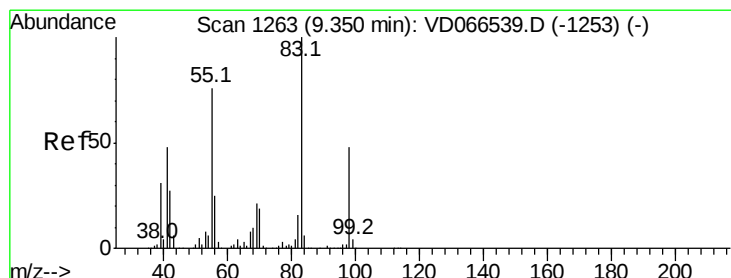
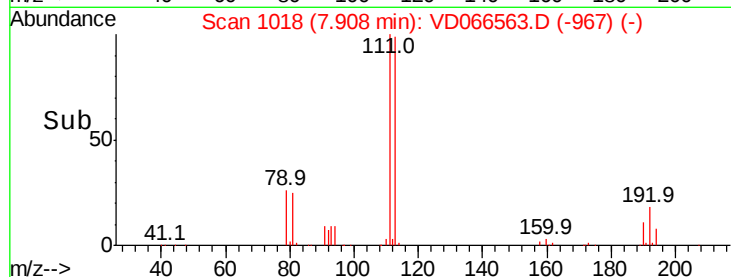
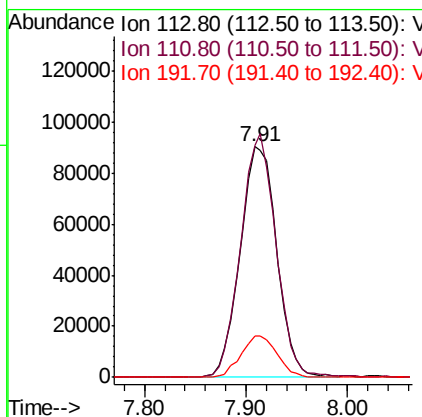
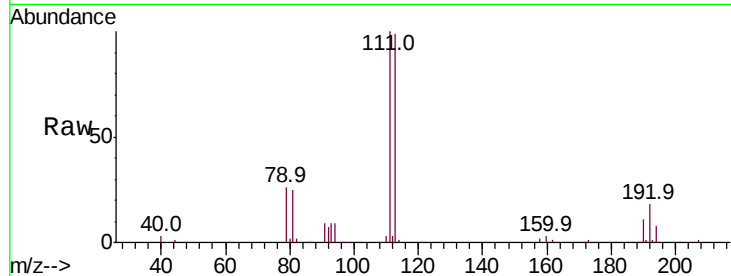
#35
 Dibromofluoromethane
 Concen: 49.050 ug/l
 RT: 7.91 min Scan# 1018
 Delta R.T. -0.00 min
 Lab File: VD066563.D
 Acq: 04 Sep 2020 15:18

Instrument :
 MSVOA_D
 ClientSampleId :
 TP-4

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.9	83.2	124.8
192	17.7	13.7	20.5

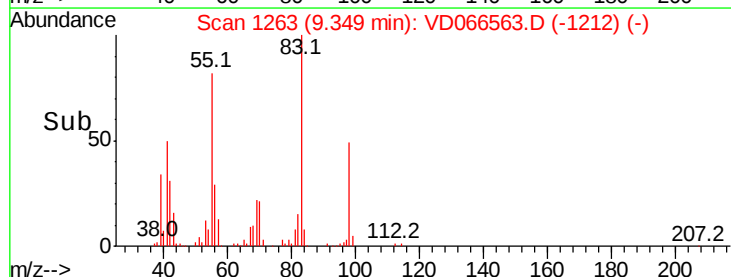
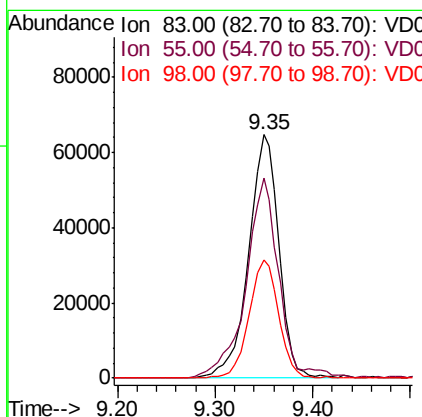
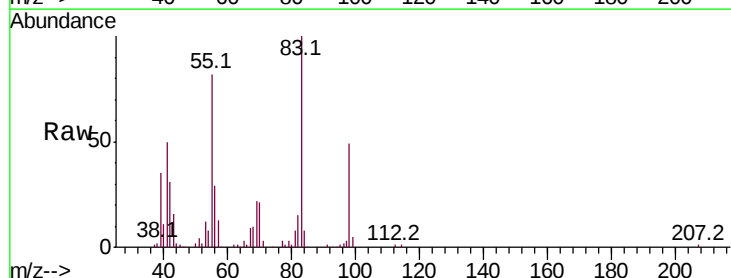
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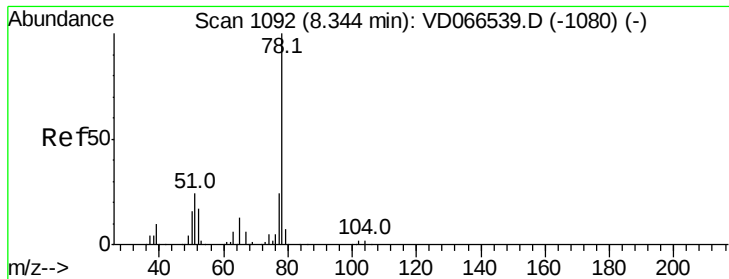
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#39
 Methylcyclohexane
 Concen: 17.740 ug/l
 RT: 9.35 min Scan# 1263
 Delta R.T. -0.00 min
 Lab File: VD066563.D
 Acq: 04 Sep 2020 15:18

Tgt Ion	Ratio	Lower	Upper
83	100		
55	81.9	60.8	91.2
98	48.6	38.6	58.0





#40

Benzene

Concen: 16.223 ug/l

RT: 8.34 min Scan# 1092

Delta R.T. -0.00 min

Lab File: VD066563.D

Acq: 04 Sep 2020 15:18

Instrument :

MSVOA_D

ClientSampleId :

TP-4

Tot Ion: 78 Resp: 317321

Ion Ratio Lower Upper

78 100

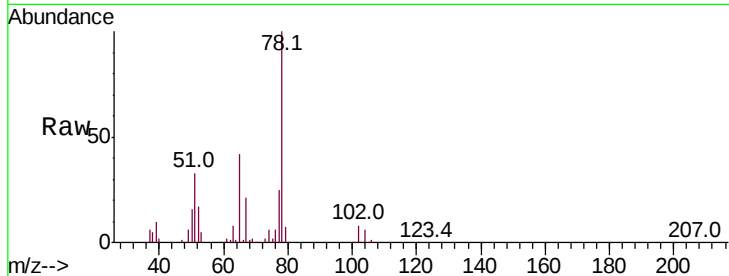
77 25.3 19.1 28.7

Manual Integrations

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Abundance Ion 78.00 (77.70 to 78.70): VDC

Ion 77.00 (76.70 to 77.70): VDC

8.34

150000

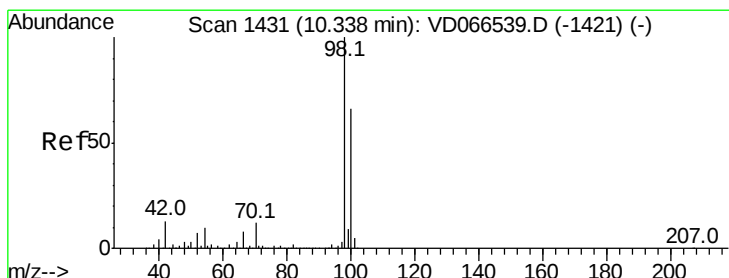
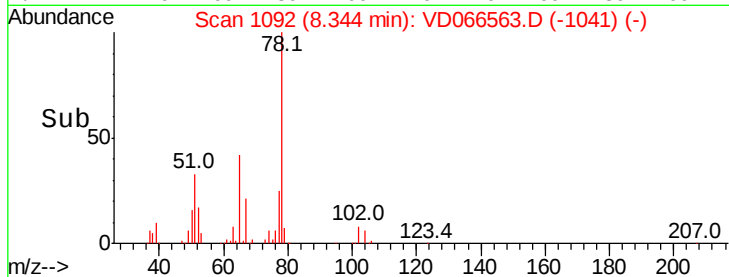
100000

50000

0

8.25 8.30 8.35 8.40 8.45

Time-->



#50

Toluene-d8

Concen: 53.941 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD066563.D

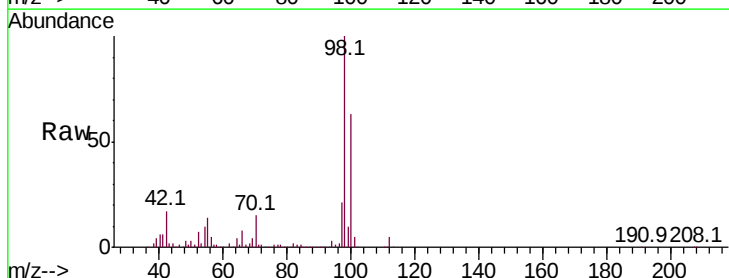
Acq: 04 Sep 2020 15:18

Tgt Ion: 98 Resp: 892528

Ion Ratio Lower Upper

98 100

100 62.7 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

10.34

500000

400000

300000

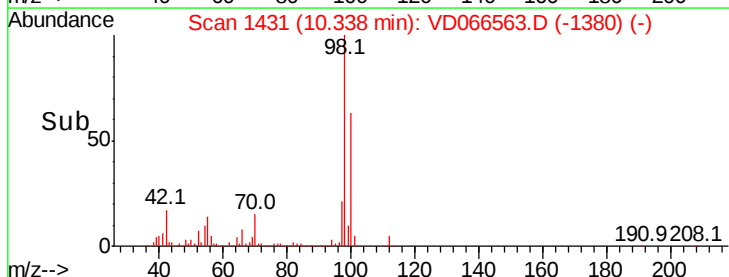
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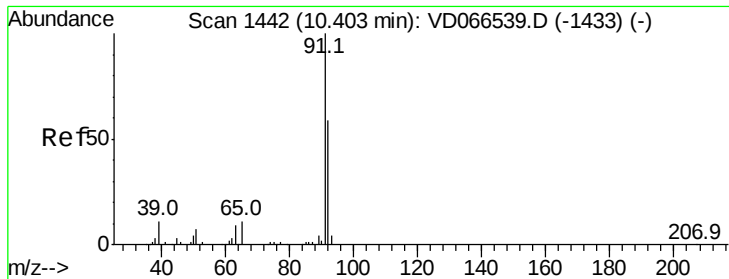
100000

0

10.20 10.30 10.40 10.50

Time-->





#52

Toluene

Concen: 1.464 ug/l

RT: 10.40 min Scan# 1441

Delta R.T. -0.01 min

Lab File: VD066563.D

Acq: 04 Sep 2020 15:18

Instrument :

MSVOA_D

ClientSampled :

TP-4

Tot Ion: 92 Resp: 18125

Ion Ratio Lower Upper

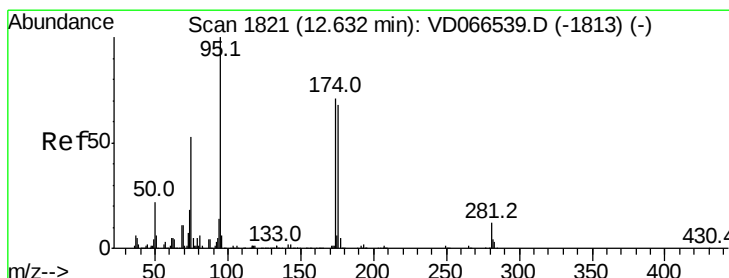
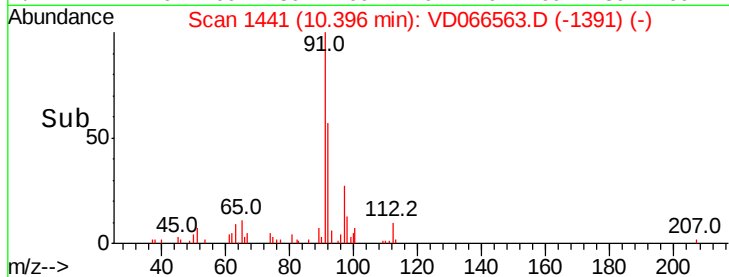
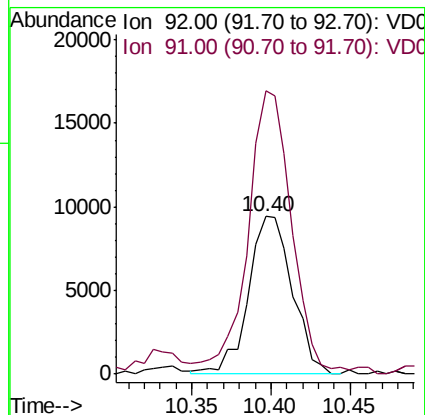
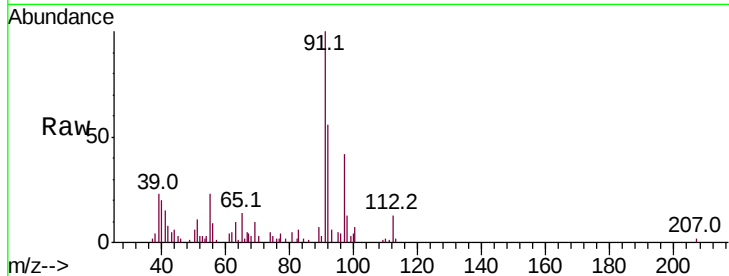
92 100

91 181.4 137.4 206.2

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#62

4-Bromofluorobenzene

Concen: 67.092 ug/l

RT: 12.63 min Scan# 1821

Delta R.T. -0.00 min

Lab File: VD066563.D

Acq: 04 Sep 2020 15:18

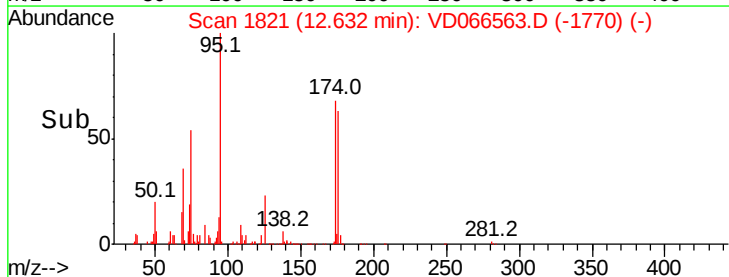
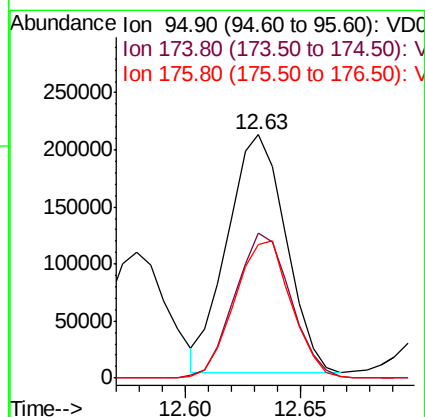
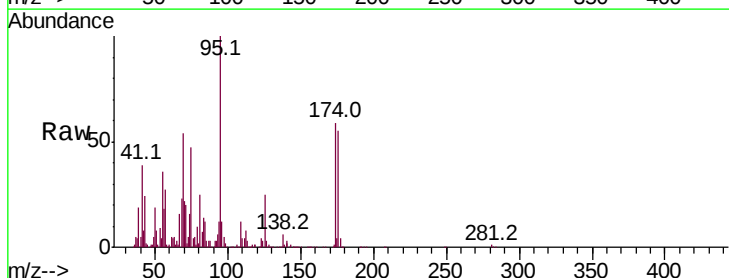
Tgt Ion: 95 Resp: 368106

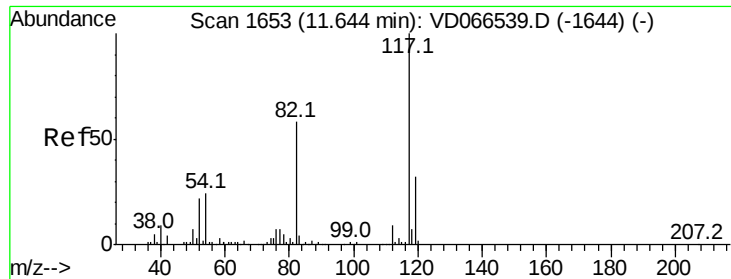
Ion Ratio Lower Upper

95 100

174 58.6 0.0 155.8

176 56.1 0.0 148.6





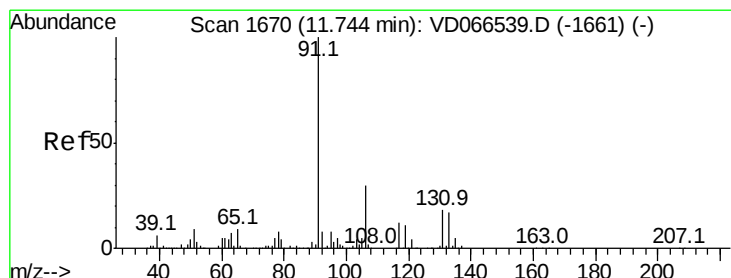
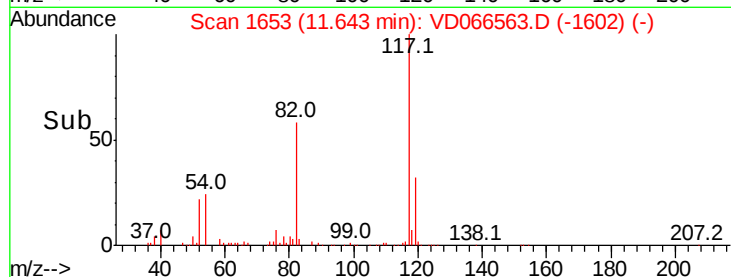
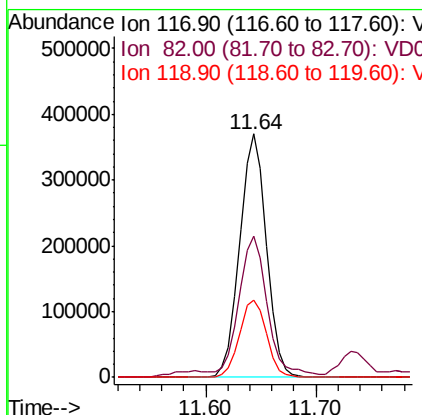
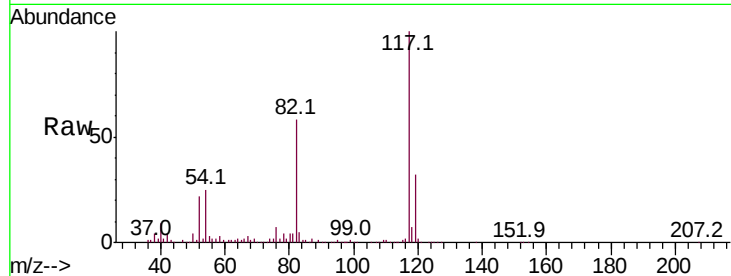
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. -0.00 min
Lab File: VD066563.D
Acq: 04 Sep 2020 15:18

Instrument :
MSVOA_D
ClientSampled :
TP-4

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.5	46.2	69.2
119	31.5	25.8	38.8

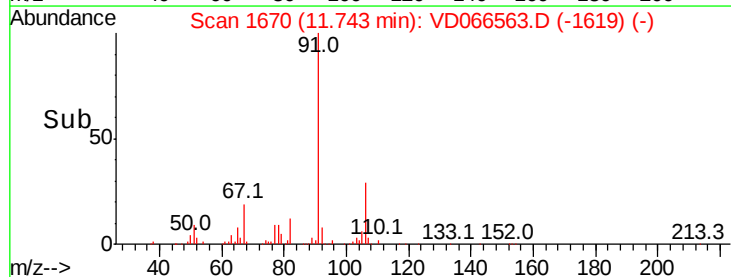
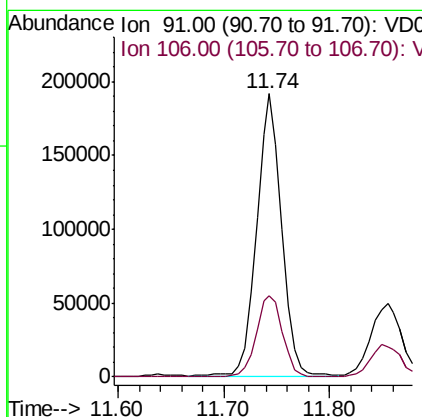
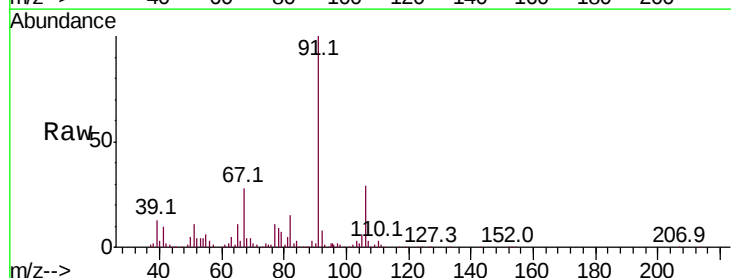
Manual Integrations
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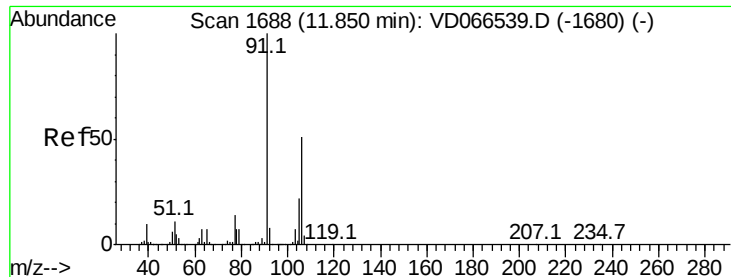
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#67
Ethyl Benzene
Concen: 13.045 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.00 min
Lab File: VD066563.D
Acq: 04 Sep 2020 15:18

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.7	24.3	36.5





#68

m/p-Xylenes

Concen: 4.980 ug/l

RT: 11.85 min Scan# 1688

Delta R.T. -0.00 min

Lab File: VD066563.D

Acq: 04 Sep 2020 15:18

Instrument :

MSVOA_D

ClientSampled :

TP-4

Tot Ion:106 Resp: 44266

Ion Ratio Lower Upper

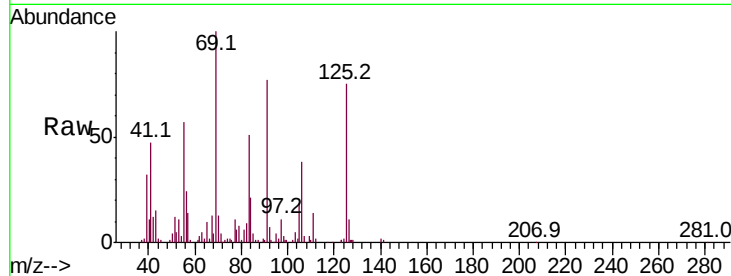
106 100

91 227.3 162.4 243.6

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Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

200000

150000

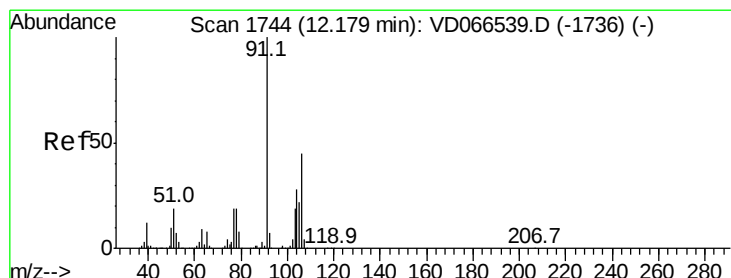
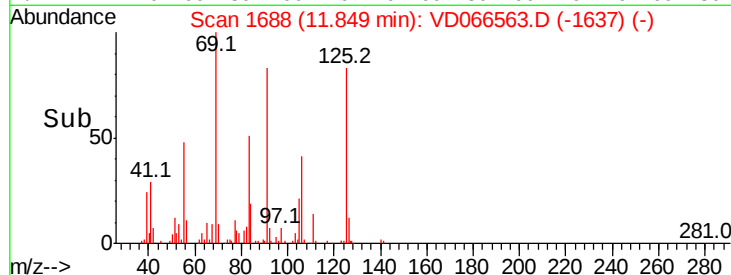
100000

50000

0

11.80 11.85 11.90

Time-->



#69

o-Xylene

Concen: 3.954 ug/l

RT: 12.18 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VD066563.D

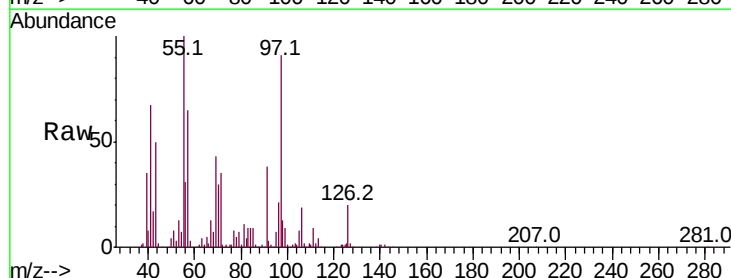
Acq: 04 Sep 2020 15:18

Tgt Ion:106 Resp: 31494

Ion Ratio Lower Upper

106 100

91 276.9 107.9 323.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

40000

30000

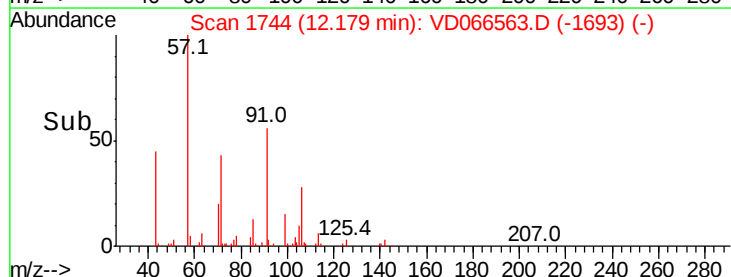
20000

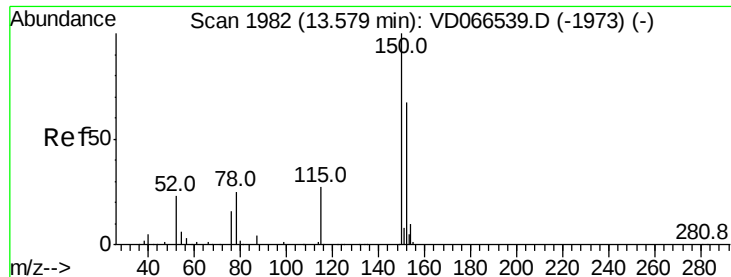
10000

0

12.10 12.15 12.20 12.25

Time-->





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VD066563.D

Acq: 04 Sep 2020 15:18

Instrument :

MSVOA_D

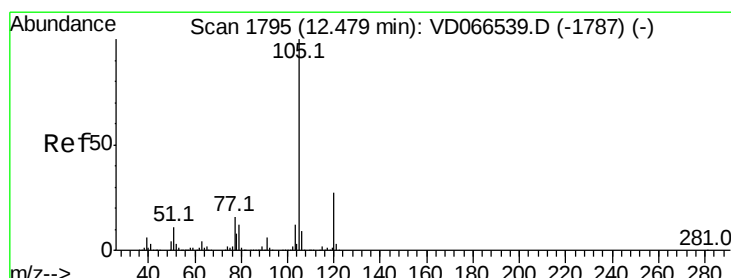
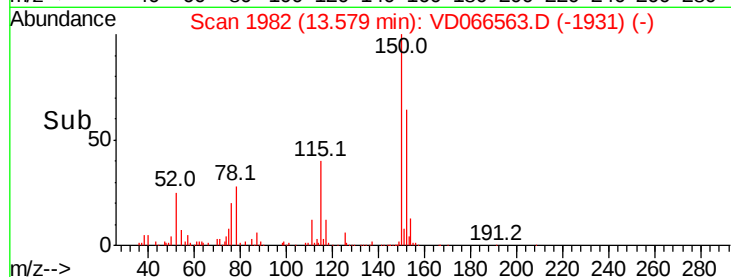
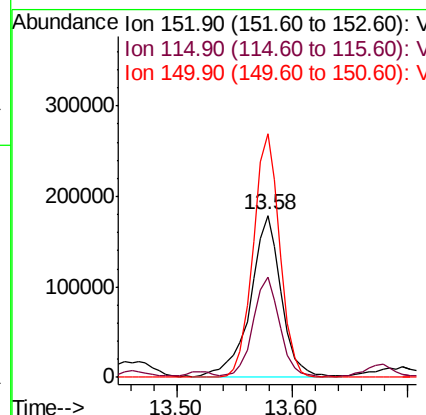
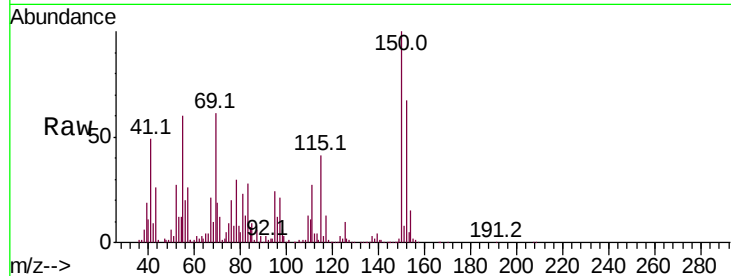
ClientSampled :

TP-4

Tot Ion:	152	Resp:	329067
Ion Ratio	Lower	Upper	
152	100		
115	53.4	30.4	91.2
150	130.4	0.0	345.8

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#73

Isopropylbenzene

Concen: 19.354 ug/l

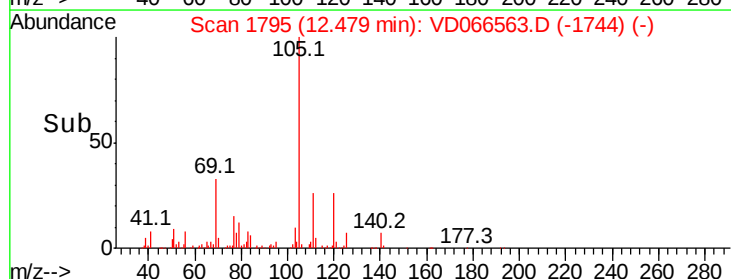
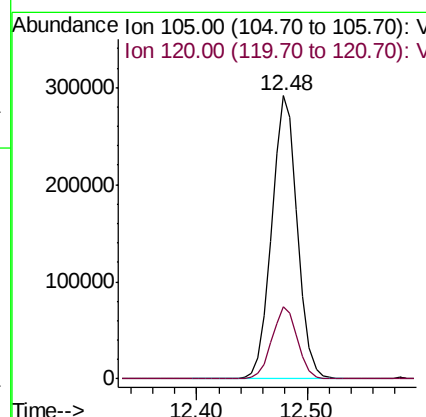
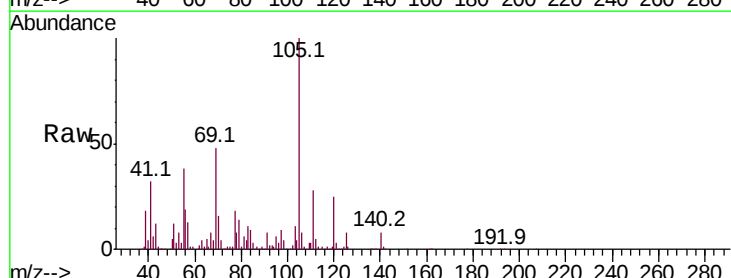
RT: 12.48 min Scan# 1795

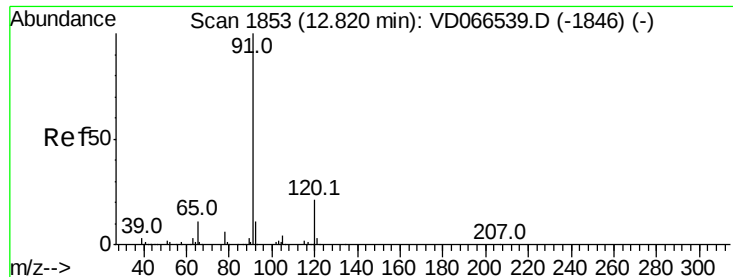
Delta R.T. -0.00 min

Lab File: VD066563.D

Acq: 04 Sep 2020 15:18

Tgt Ion:	105	Resp:	471535
Ion Ratio	Lower	Upper	
105	100		
120	25.4	13.0	39.0





#78

n-propylbenzene

Concen: 3.583 ug/l

RT: 12.82 min Scan# 1853

Delta R.T. -0.00 min

Lab File: VD066563.D

Acq: 04 Sep 2020 15:18

Instrument :

MSVOA_D

ClientSampled :

TP-4

Tot Ion: 91 Resp: 105834

Ion Ratio Lower Upper

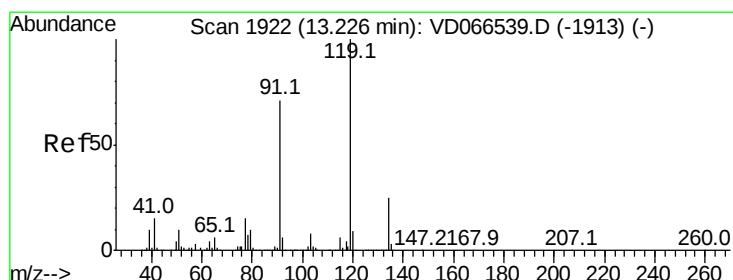
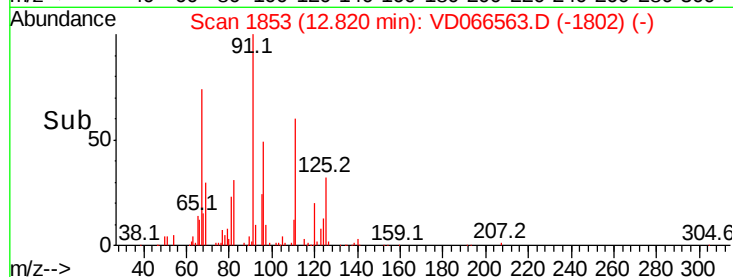
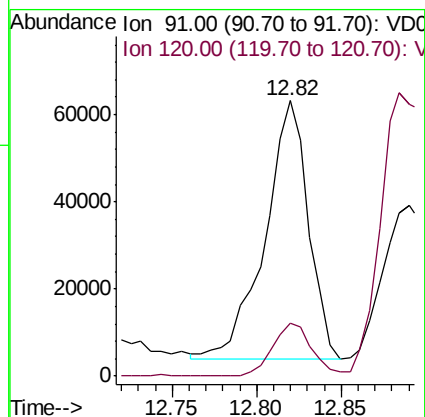
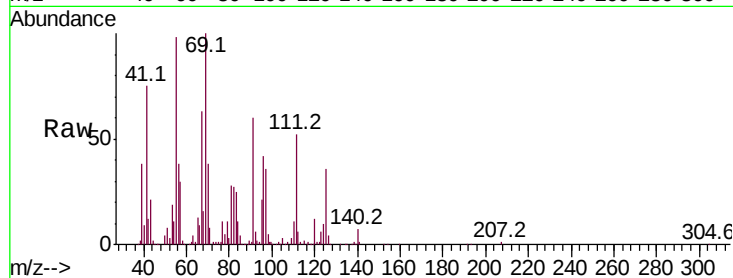
91 100

120 18.7 11.1 33.1

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#83

tert-Butylbenzene

Concen: 5.446 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD066563.D

Acq: 04 Sep 2020 15:18

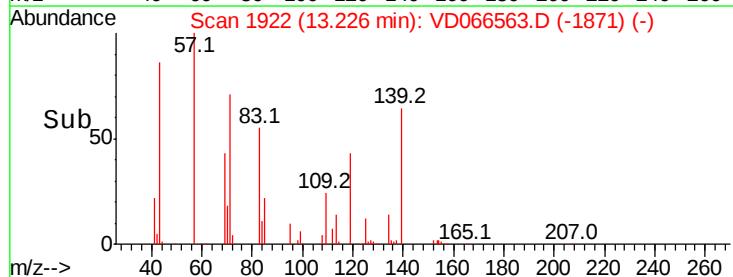
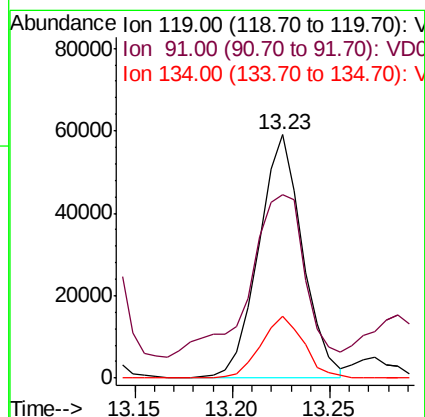
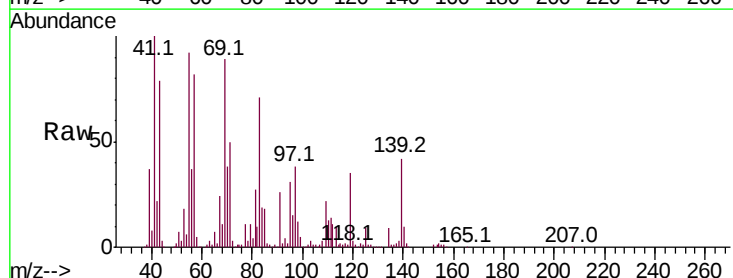
Tgt Ion: 119 Resp: 91203

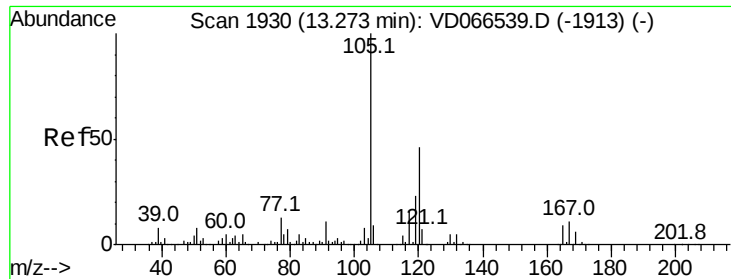
Ion Ratio Lower Upper

119 100

91 83.8 35.2 105.6

134 25.5 13.5 40.5





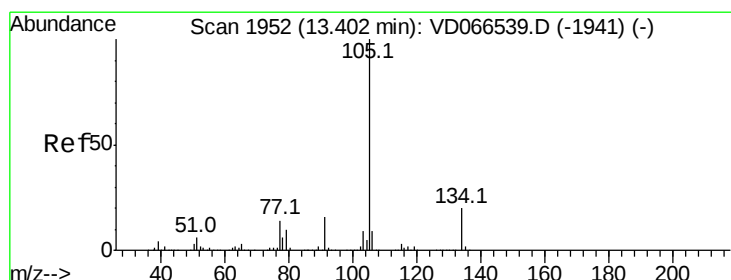
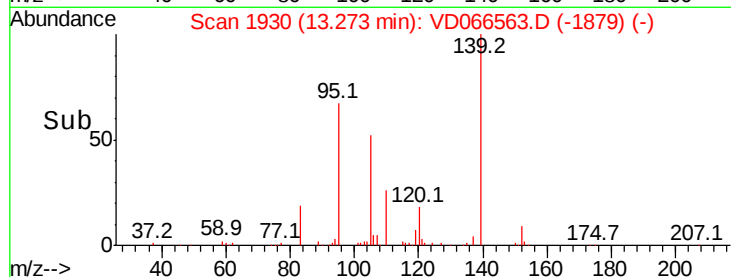
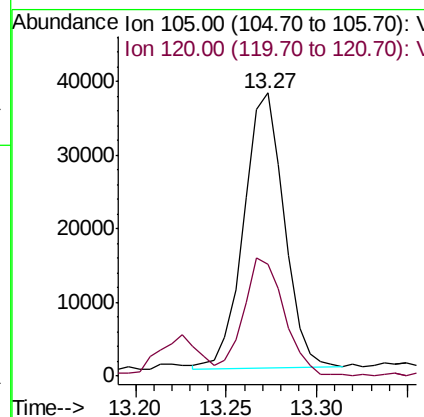
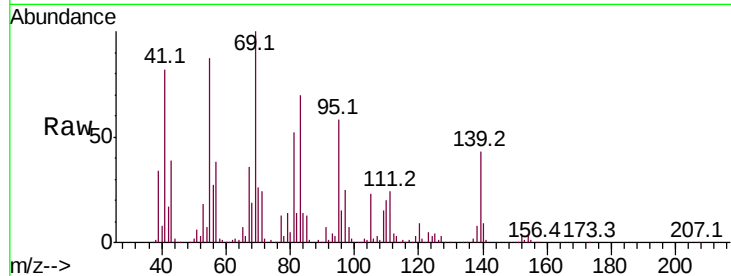
#84
 1,2,4-Trimethylbenzene
 Concen: 2.849 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD066563.D
 Acq: 04 Sep 2020 15:18

Instrument :
 MSVOA_D
 ClientSampleID :
 TP-4

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.8	22.6	67.7

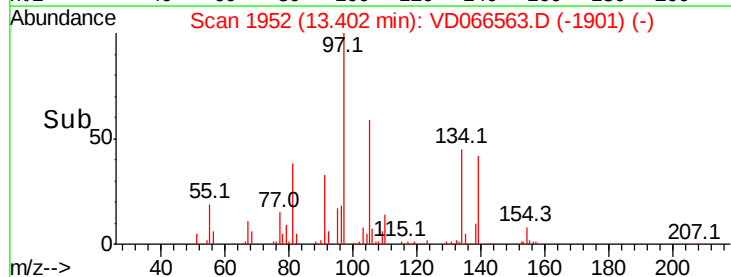
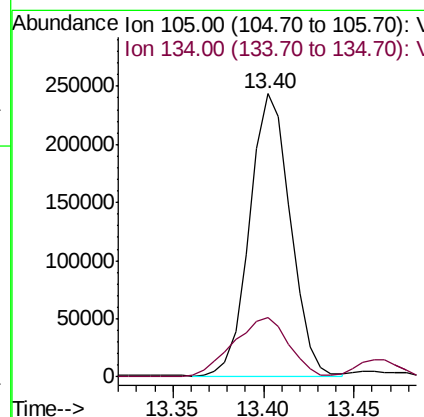
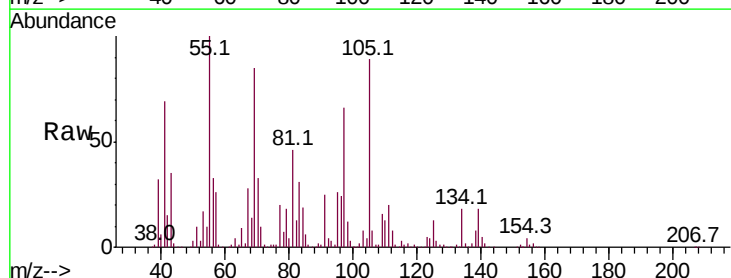
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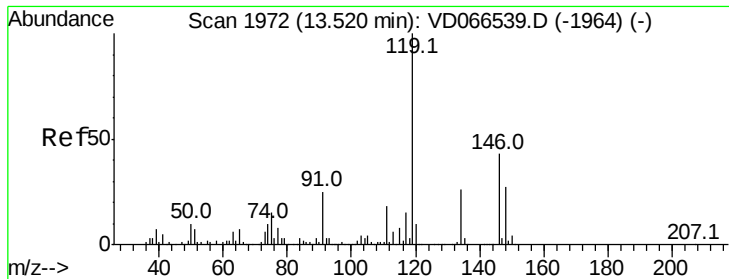
sam
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#85
 sec-Butylbenzene
 Concen: 15.723 ug/l
 RT: 13.40 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: VD066563.D
 Acq: 04 Sep 2020 15:18

Tgt Ion	Ratio	Lower	Upper
105	100		
134	28.8	9.8	29.5





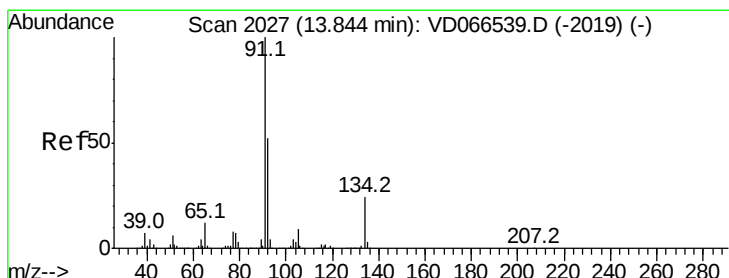
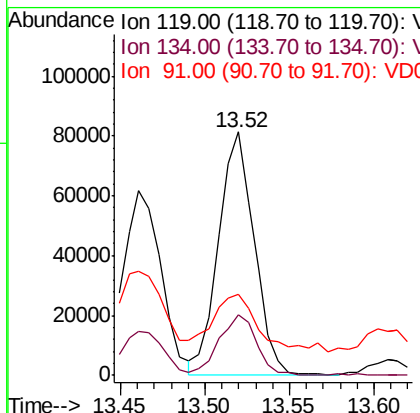
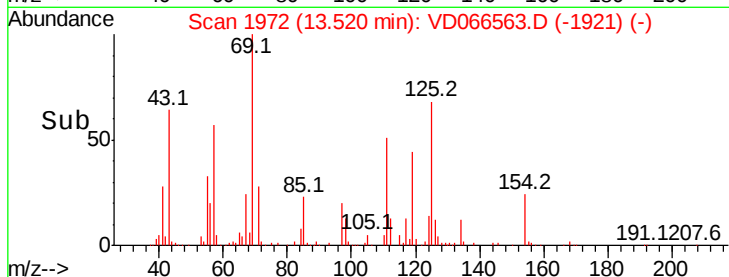
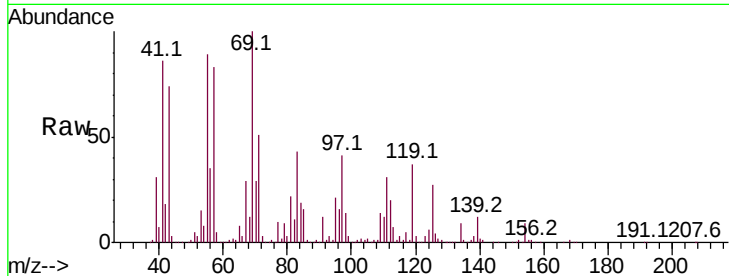
#86
p-Isopropyltoluene
Concen: 5.474 ug/l
RT: 13.52 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VD066563.D
Acq: 04 Sep 2020 15:18

Instrument :
MSVOA_D
ClientSampled :
TP-4

Tot Ion	Ratio	Resp	Lower	Upper
119	100	118859		
134	25.6	12.7	38.0	
91	26.8	12.5	37.5	

Manual Integrations
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#89
n-Butylbenzene
Concen: 7.910 ug/l m
RT: 13.83 min Scan# 2025
Delta R.T. -0.01 min
Lab File: VD066563.D
Acq: 04 Sep 2020 15:18

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	167380		
92	0.0	26.5	79.5#	
134	200.6	12.1	36.3#	

