

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111919\
 Data File : VD064287.D
 Acq On : 19 Nov 2019 13:58
 Operator : VA/SY
 Sample : K5676-16
 Misc : 9.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-111519

Quant Time: Nov 20 04:47:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110819S.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 12 02:43:24 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.99	168	963811	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	1382805	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	1194284	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	564755	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	396135	49.97	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.94%	
35) Dibromofluoromethane	7.92	113	412404	51.96	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.92%	
50) Toluene-d8	10.34	98	1592941	53.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.40%	
62) 4-Bromofluorobenzene	12.64	95	512336	49.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.82%	

Target Compounds

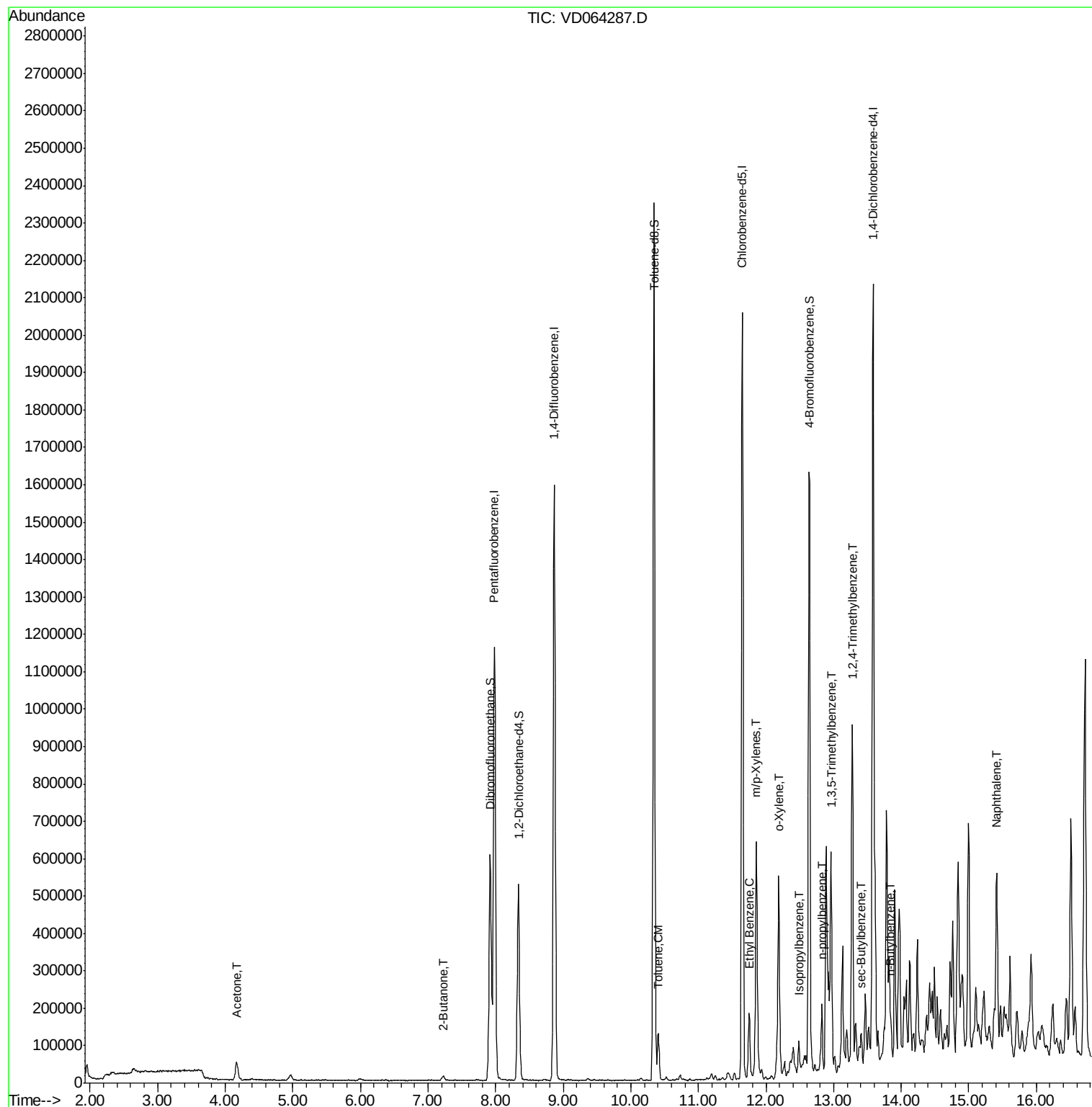
						Qvalue
16) Acetone	4.17	43	86046	45.821	ug/l	95
25) 2-Butanone	7.23	43	18009	7.423	ug/l	94
52) Toluene	10.40	92	51490	2.245	ug/l	98
67) Ethyl Benzene	11.75	91	122708	2.793	ug/l	99
68) m/p-Xylenes	11.86	106	171010	10.156	ug/l	100
69) o-Xylene	12.18	106	138859	8.892	ug/l	97
73) Isopropylbenzene	12.48	105	54943	1.325	ug/l	99
78) n-propylbenzene	12.83	91	137484	2.903	ug/l	100
80) 1,3,5-Trimethylbenzene	12.97	105	174118	5.112	ug/l	99
84) 1,2,4-Trimethylbenzene	13.28	105	508116	15.110	ug/l	99
85) sec-Butylbenzene	13.41	105	54070	1.340	ug/l	90
89) n-Butylbenzene	13.85	91	47687	1.376	ug/l #	75
95) Naphthalene	15.41	128	404998	20.241	ug/l	99

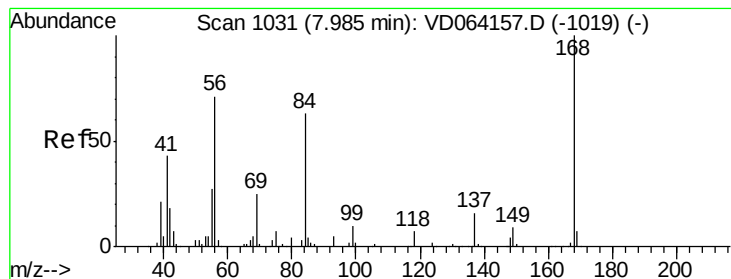
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Tue Nov 12 02:43:24 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.99 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD064287.D

Acq: 19 Nov 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

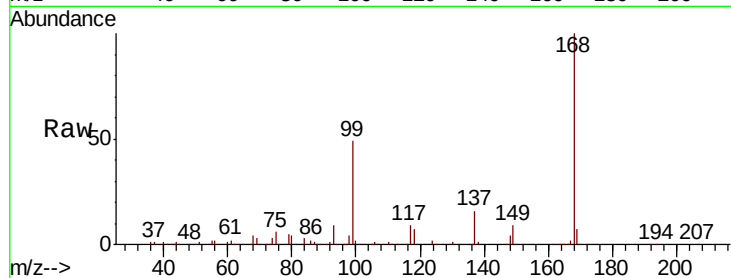
SU-01-111519

Tot Ion:168 Resp: 963811

Ion Ratio Lower Upper

168 100

99 48.8 41.6 62.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.99

400000

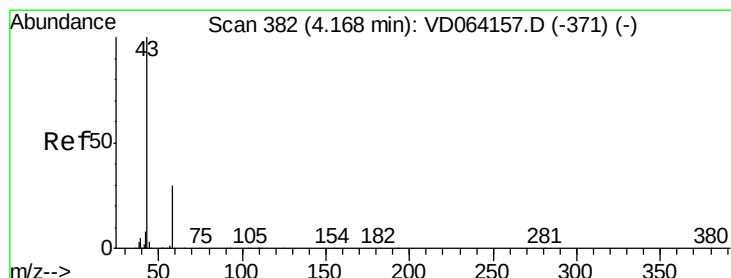
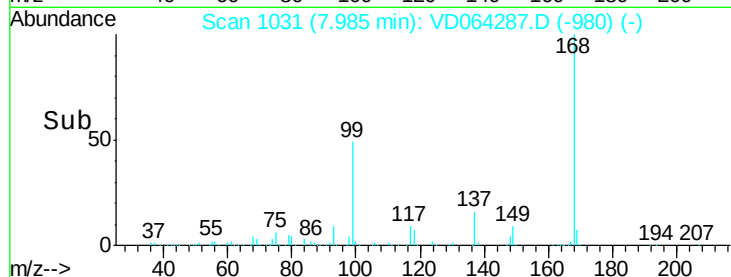
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 45.821 ug/l

RT: 4.17 min Scan# 382

Delta R.T. 0.00 min

Lab File: VD064287.D

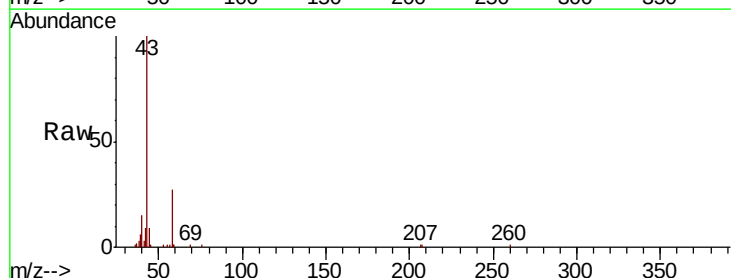
Acq: 19 Nov 2019 13:58

Tgt Ion: 43 Resp: 86046

Ion Ratio Lower Upper

43 100

58 27.3 24.1 36.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

4.17

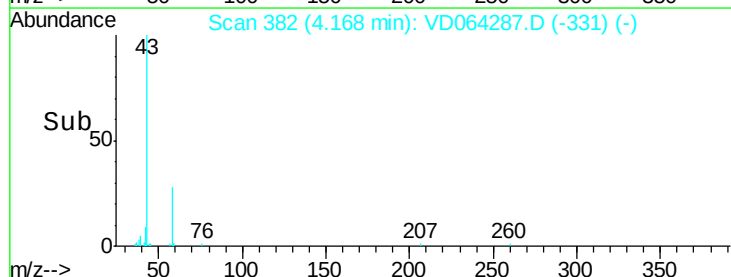
30000

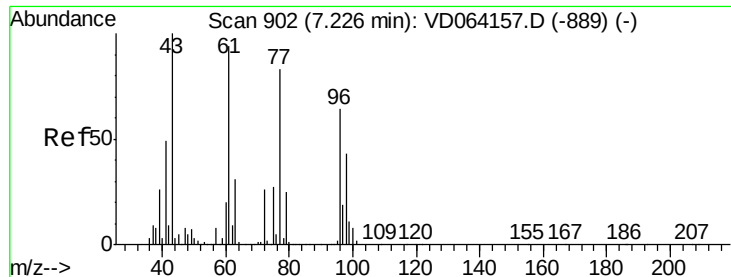
20000

10000

0

Time-->





#25

2-Butanone

Concen: 7.423 ug/l

RT: 7.23 min Scan# 903

Delta R.T. 0.01 min

Lab File: VD064287.D

Acq: 19 Nov 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

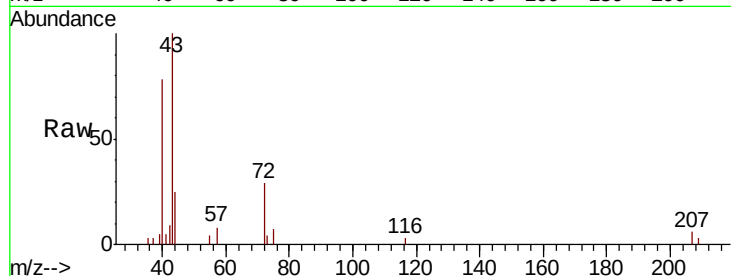
SU-01-111519

Tot Ion: 43 Resp: 18009

Ion Ratio Lower Upper

43 100

72 29.0 20.6 30.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.23

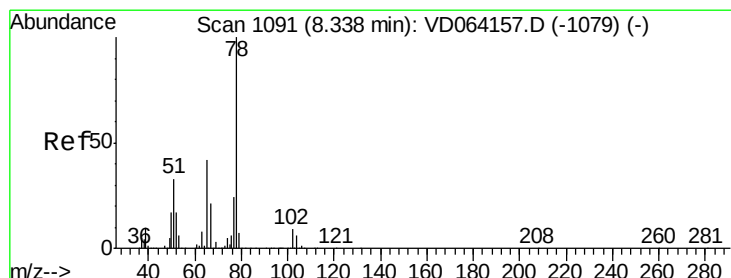
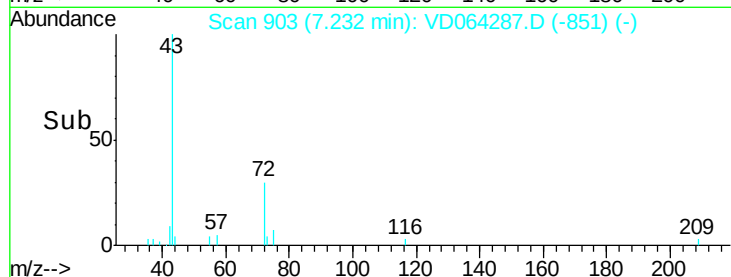
6000

4000

2000

0

Time--> 7.10 7.20 7.30



#33

1,2-Dichloroethane-d4

Concen: 49.974 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.00 min

Lab File: VD064287.D

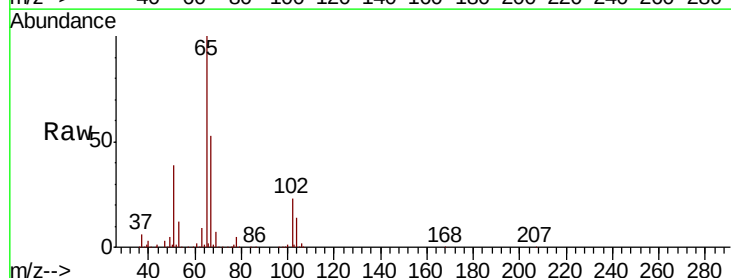
Acq: 19 Nov 2019 13:58

Tgt Ion: 65 Resp: 396135

Ion Ratio Lower Upper

65 100

67 51.9 0.0 104.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

200000

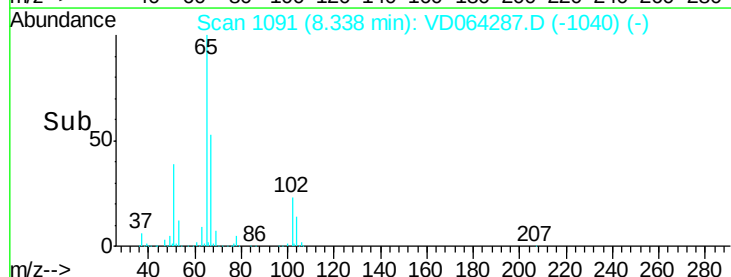
150000

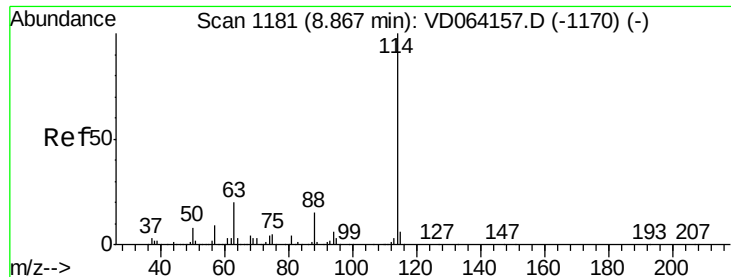
100000

50000

0

Time--> 8.30 8.40

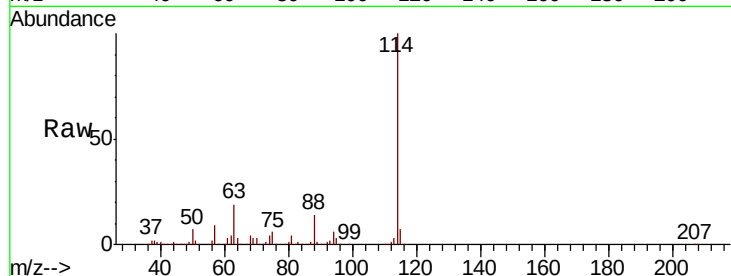




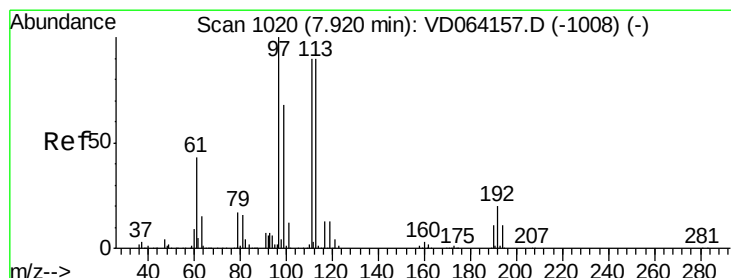
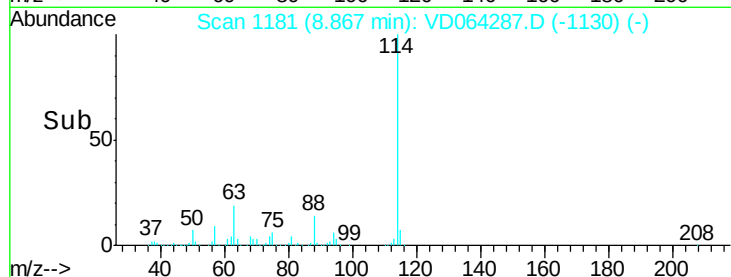
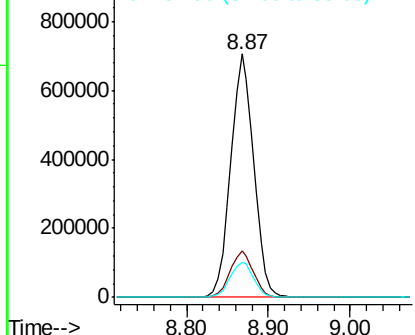
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD064287.D
 Acq: 19 Nov 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-111519

Tot Ion:114 Resp: 1382805
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 40.0
 88 14.4 0.0 30.2

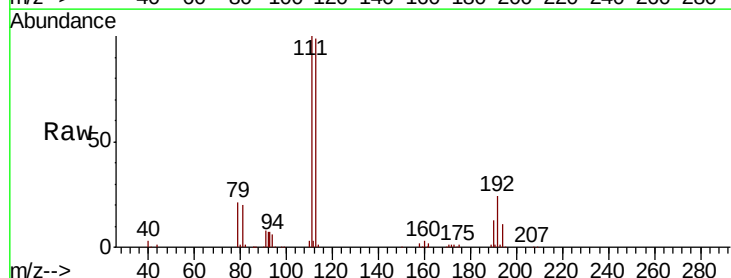


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VDC
 Ion 87.90 (87.60 to 88.60): VDC

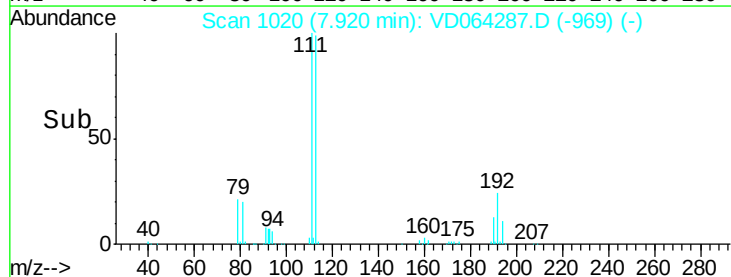
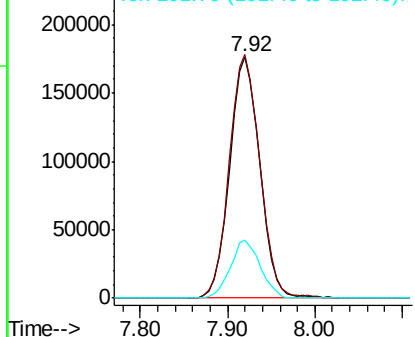


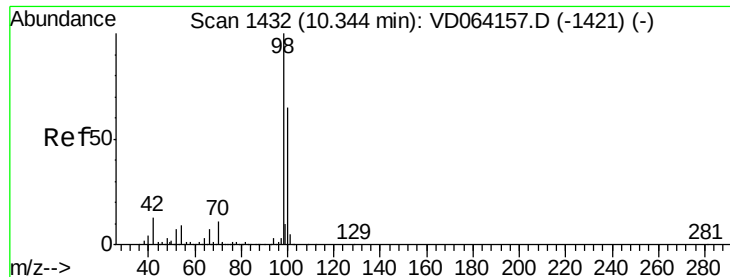
#35
 Dibromofluoromethane
 Concen: 51.956 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. 0.00 min
 Lab File: VD064287.D
 Acq: 19 Nov 2019 13:58

Tgt Ion:113 Resp: 412404
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.5 122.3
 192 23.9 18.8 28.2



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

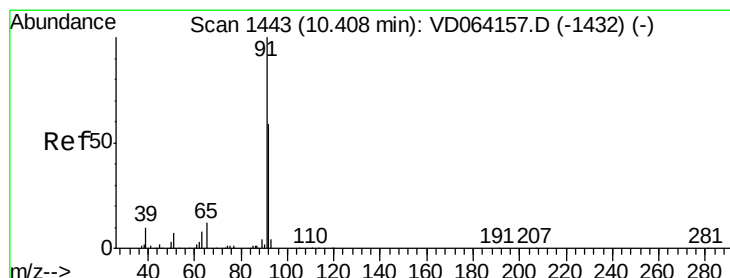
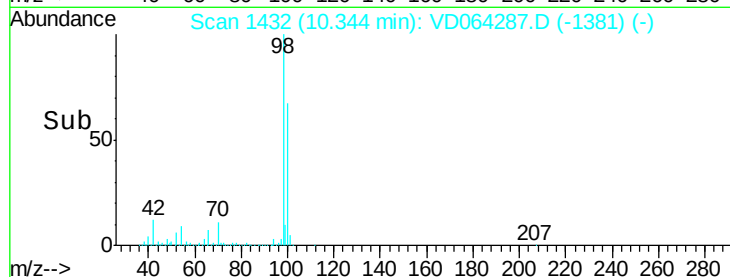
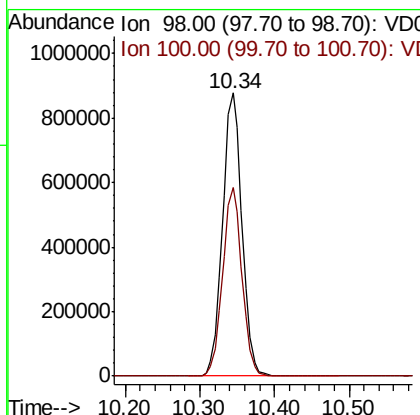
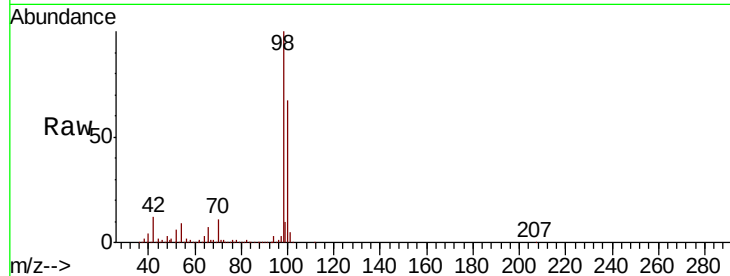




#50
Toluene-d8
Concen: 53.198 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD064287.D
Acq: 19 Nov 2019 13:58

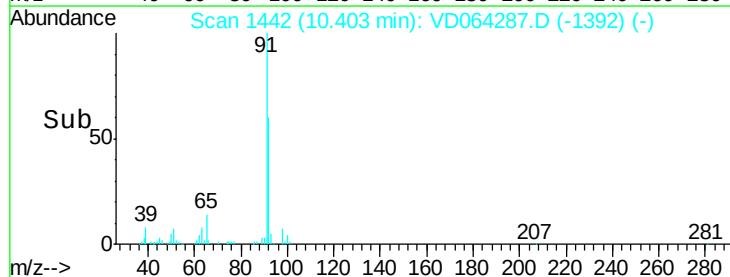
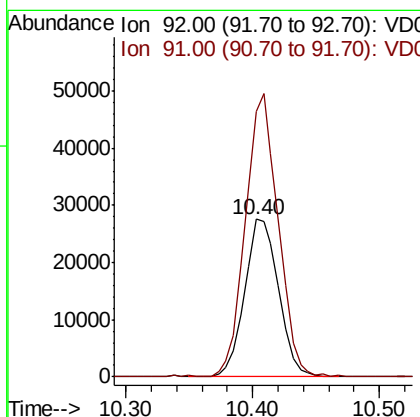
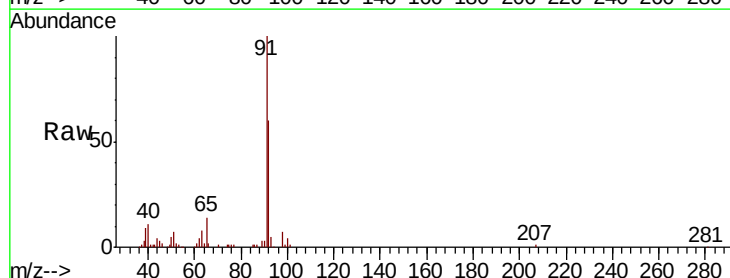
Instrument :
MSVOA_D
ClientSampleId :
SU-01-111519

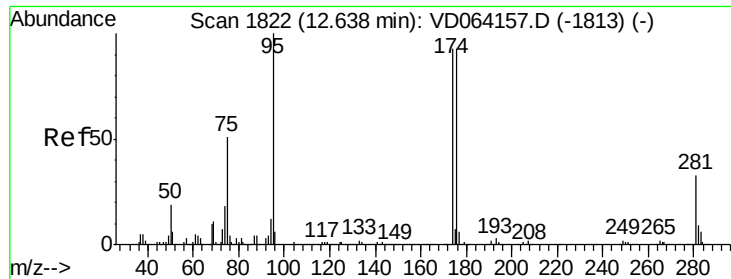
Tot Ion: 98 Resp: 1592941
Ion Ratio Lower Upper
98 100
100 66.2 52.6 78.8



#52
Toluene
Concen: 2.245 ug/l
RT: 10.40 min Scan# 1442
Delta R.T. -0.01 min
Lab File: VD064287.D
Acq: 19 Nov 2019 13:58

Tgt Ion: 92 Resp: 51490
Ion Ratio Lower Upper
92 100
91 173.5 136.4 204.6

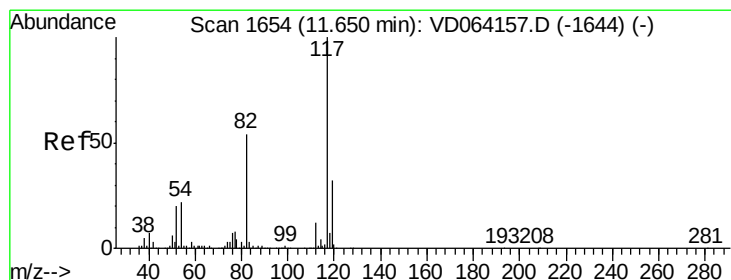
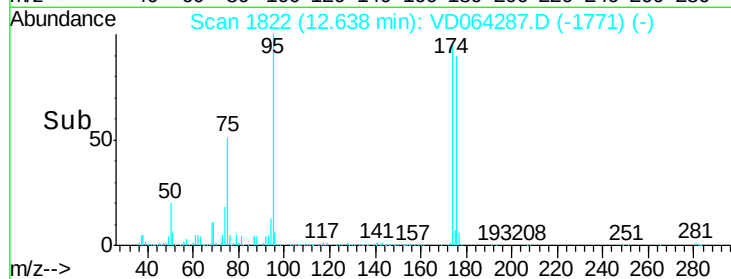
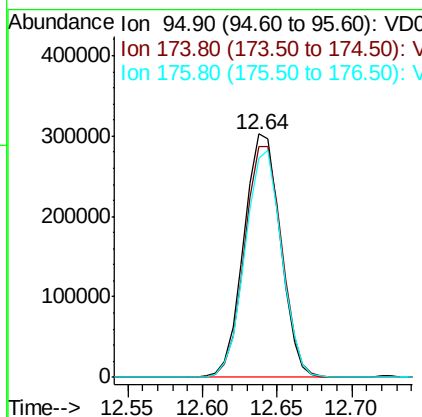
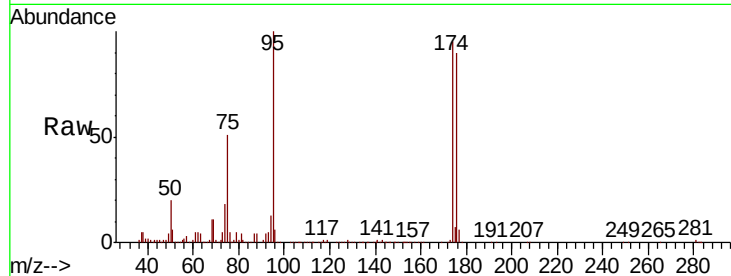




#62
4-Bromofluorobenzene
Concen: 49.407 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD064287.D
Acq: 19 Nov 2019 13:58

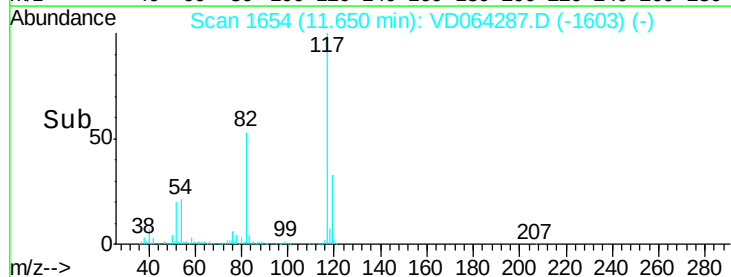
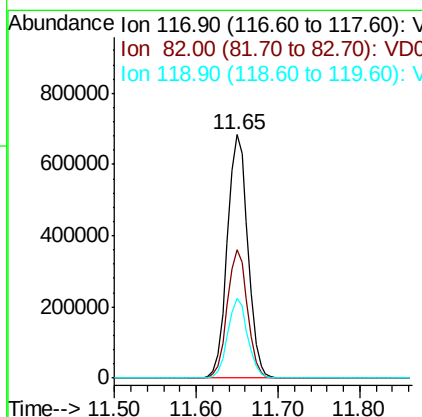
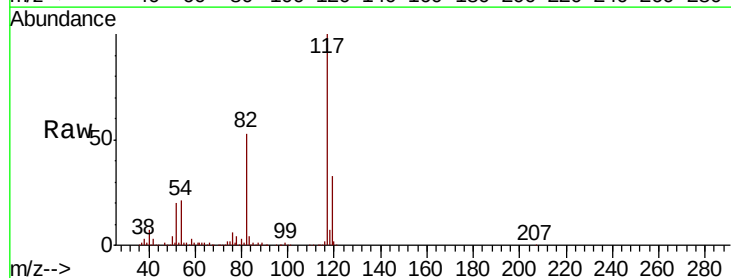
Instrument :
MSVOA_D
ClientSampleId :
SU-01-111519

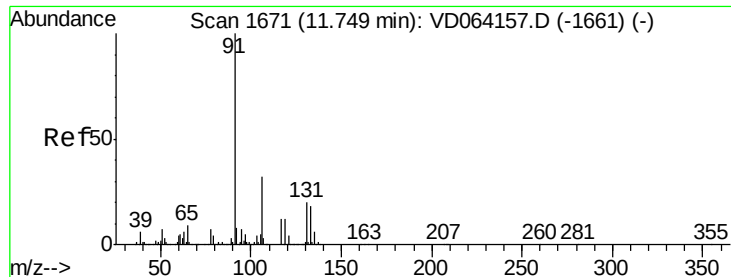
Tot Ion	Ratio	Lower	Upper
95	100		
174	96.8	0.0	183.6
176	93.2	0.0	180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD064287.D
Acq: 19 Nov 2019 13:58

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.6	42.8	64.2
119	32.9	25.6	38.4





#67

Ethyl Benzene

Concen: 2.793 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD064287.D

Acq: 19 Nov 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

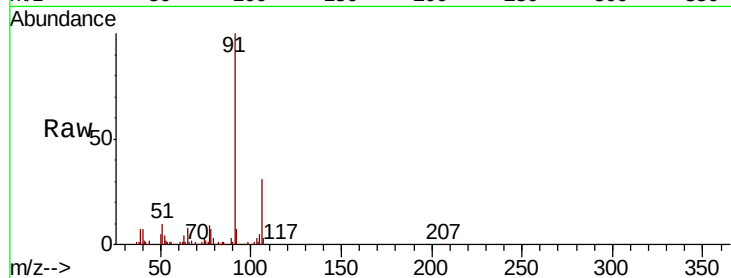
SU-01-111519

Tot Ion: 91 Resp: 122708

Ion Ratio Lower Upper

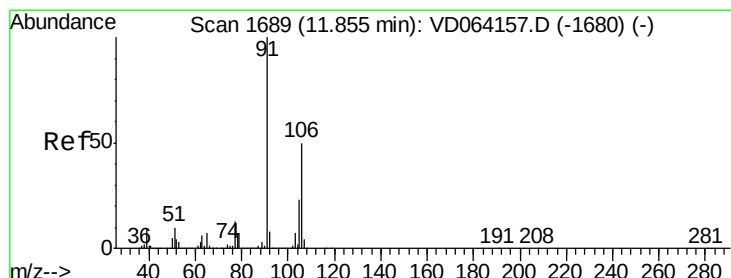
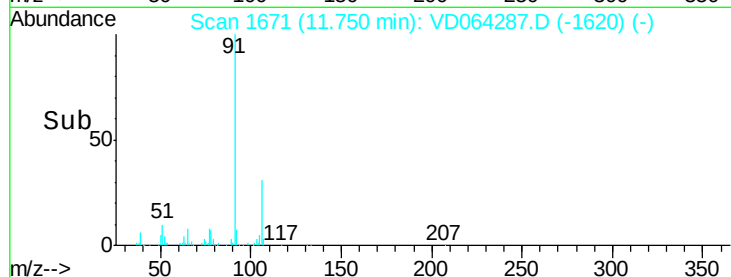
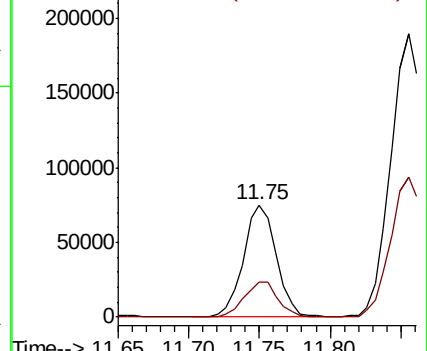
91 100

106 31.3 25.5 38.3



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 10.156 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VD064287.D

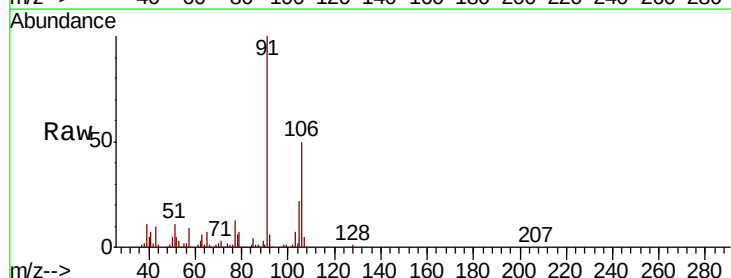
Acq: 19 Nov 2019 13:58

Tgt Ion: 106 Resp: 171010

Ion Ratio Lower Upper

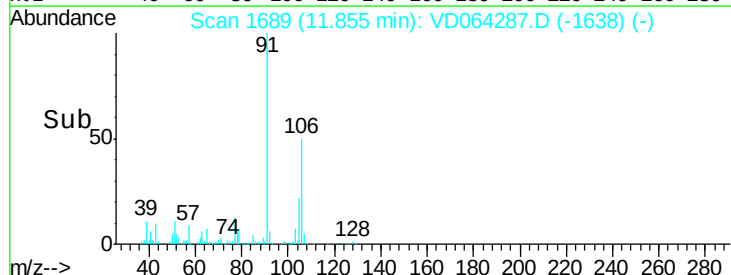
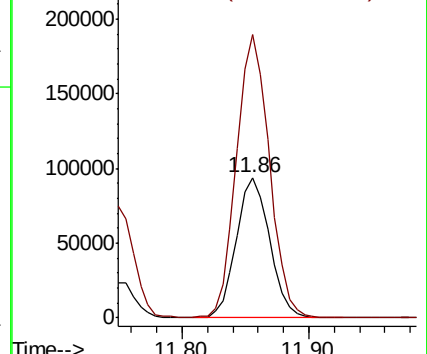
106 100

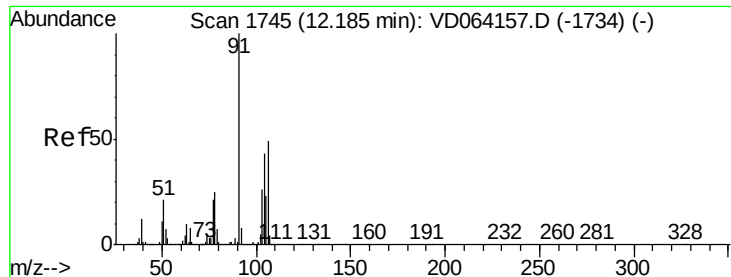
91 200.0 160.3 240.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): V

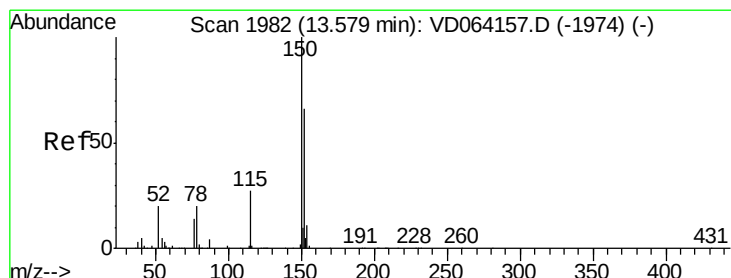
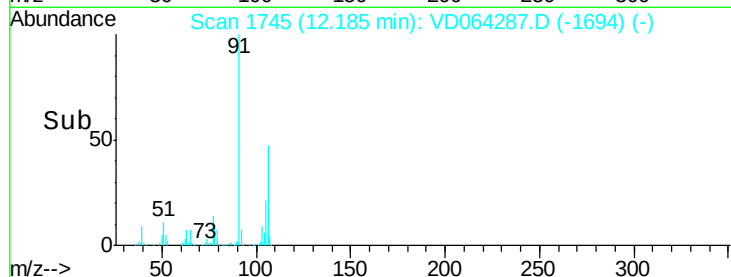
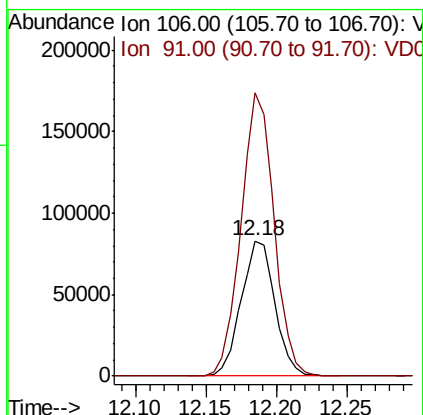
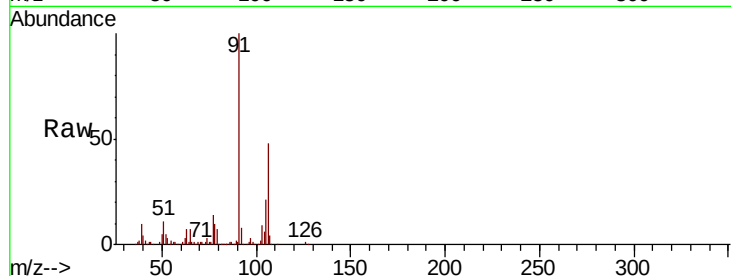




#69
o-Xylene
Concen: 8.892 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD064287.D
Acq: 19 Nov 2019 13:58

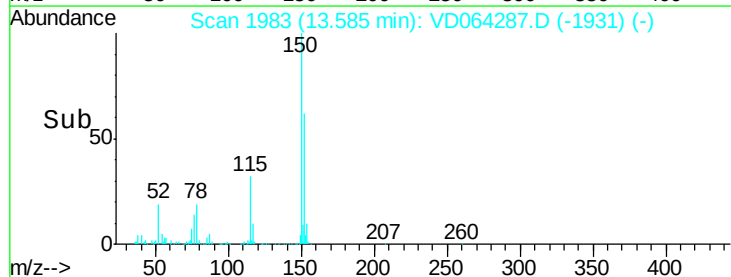
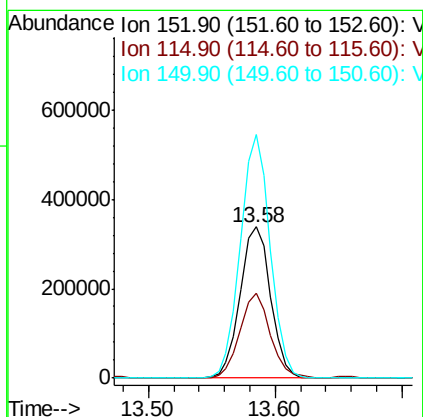
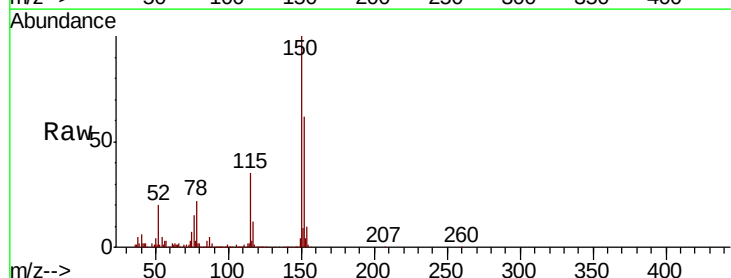
Instrument :
MSVOA_D
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SU-01-111519

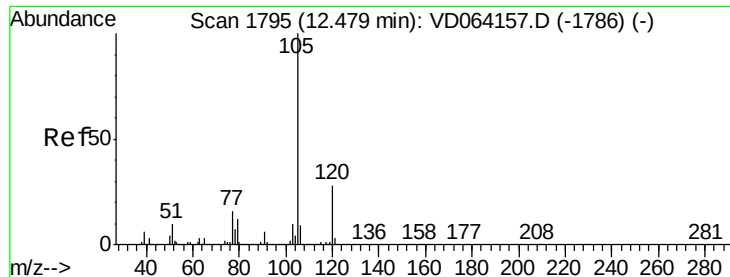
Tot Ion:106 Resp: 138859
Ion Ratio Lower Upper
106 100
91 205.6 105.1 315.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD064287.D
Acq: 19 Nov 2019 13:58

Tgt Ion:152 Resp: 564755
Ion Ratio Lower Upper
152 100
115 56.1 27.4 82.2
150 156.8 0.0 351.6





#73

Isopropylbenzene

Concen: 1.325 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD064287.D

Acq: 19 Nov 2019 13:58

Instrument :

MSVOA_D

ClientSampleId :

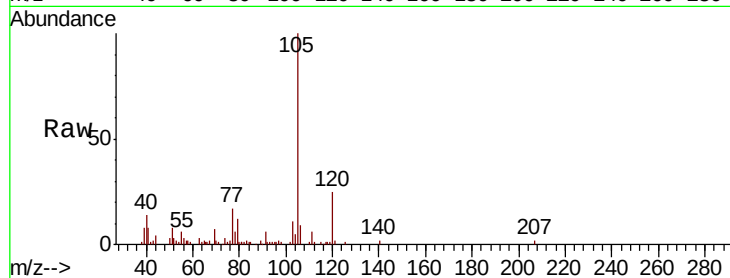
SU-01-111519

Tot Ion:105 Resp: 54943

Ion Ratio Lower Upper

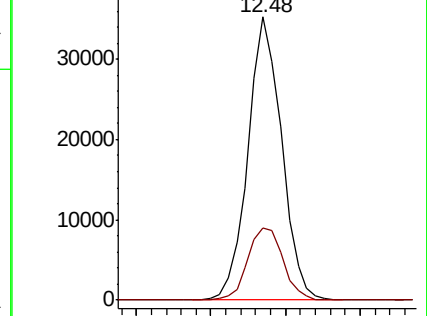
105 100

120 26.7 13.6 40.8

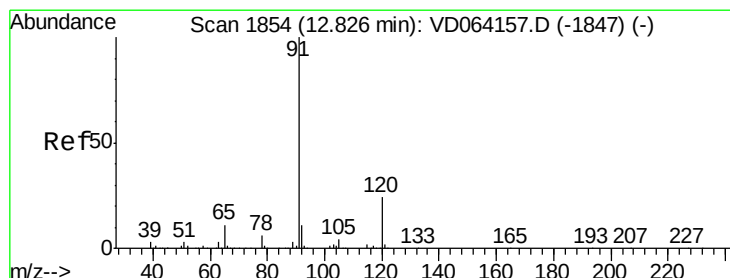
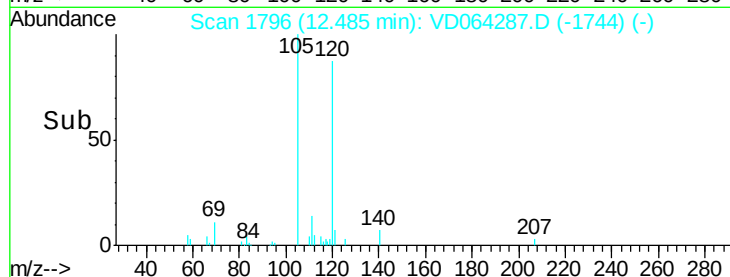


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.40 12.45 12.50 12.55



#78

n-propylbenzene

Concen: 2.903 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD064287.D

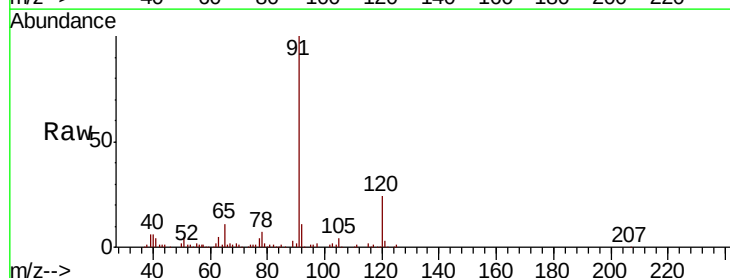
Acq: 19 Nov 2019 13:58

Tgt Ion: 91 Resp: 137484

Ion Ratio Lower Upper

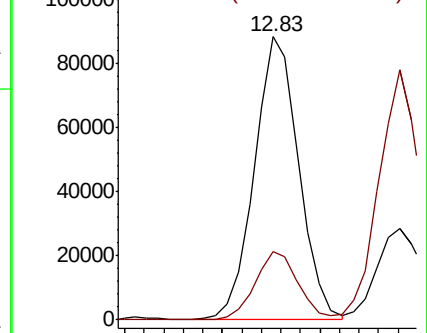
91 100

120 23.6 11.8 35.4

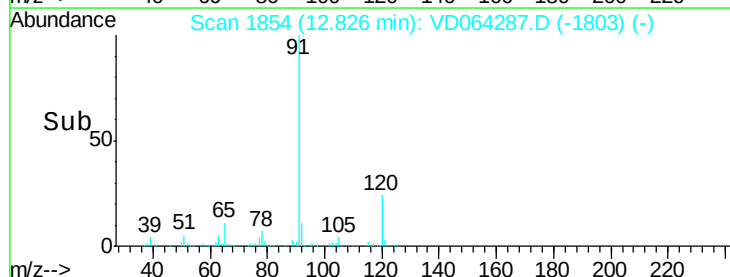


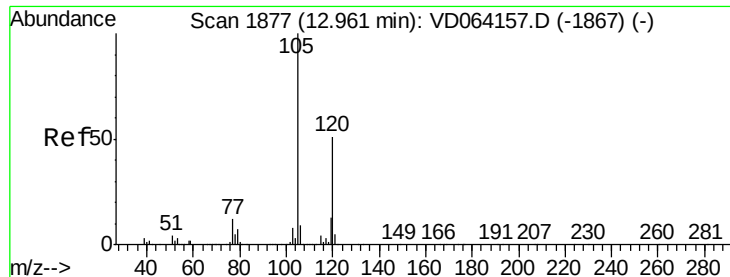
Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V



Time--> 12.75 12.80 12.85

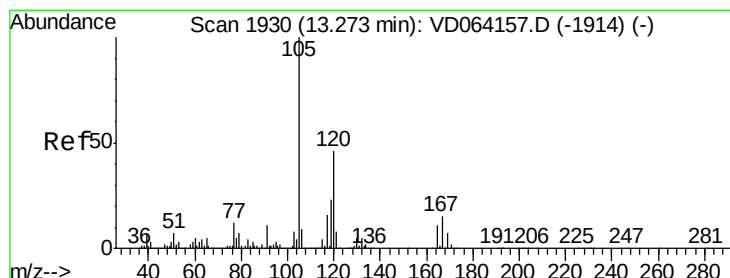
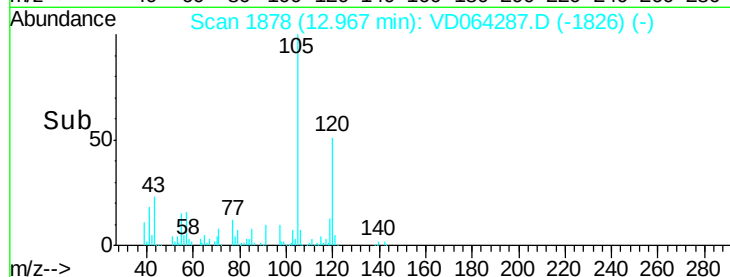
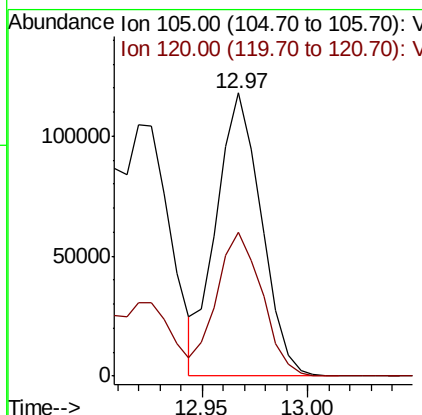
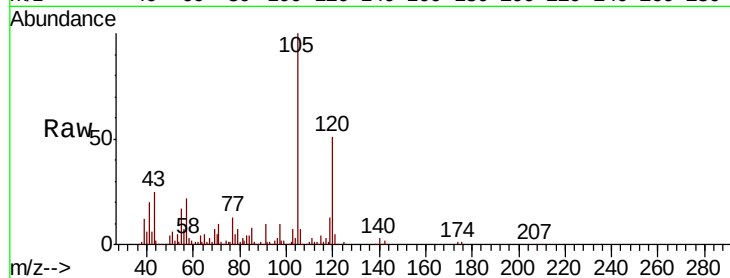




#80
 1,3,5-Trimethylbenzene
 Concen: 5.112 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.01 min
 Lab File: VD064287.D
 Acq: 19 Nov 2019 13:58

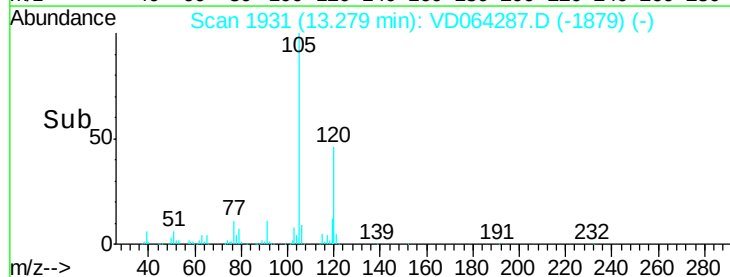
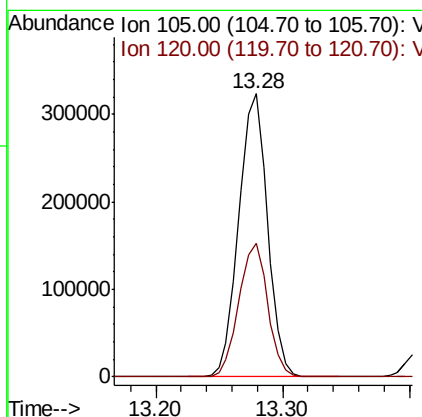
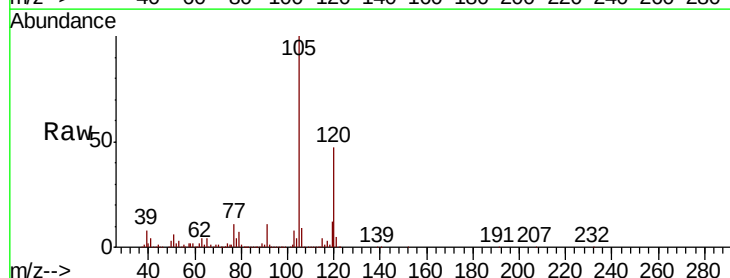
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-111519

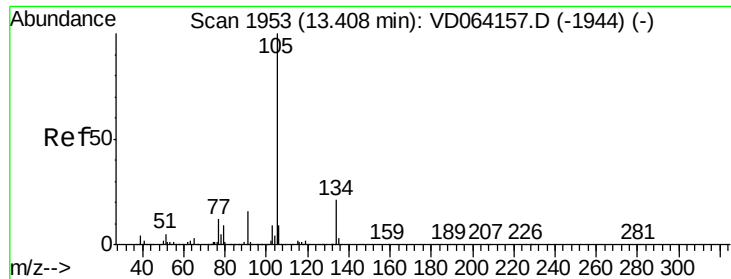
Tot Ion:105 Resp: 174118
 Ion Ratio Lower Upper
 105 100
 120 51.6 25.4 76.4



#84
 1,2,4-Trimethylbenzene
 Concen: 15.110 ug/l
 RT: 13.28 min Scan# 1931
 Delta R.T. 0.01 min
 Lab File: VD064287.D
 Acq: 19 Nov 2019 13:58

Tgt Ion:105 Resp: 508116
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.3 69.8

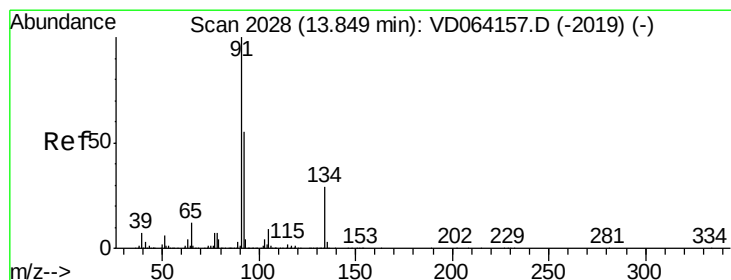
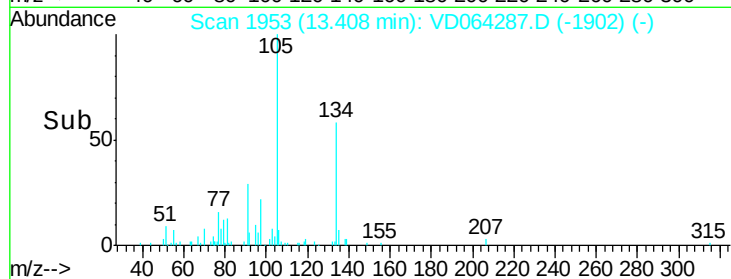
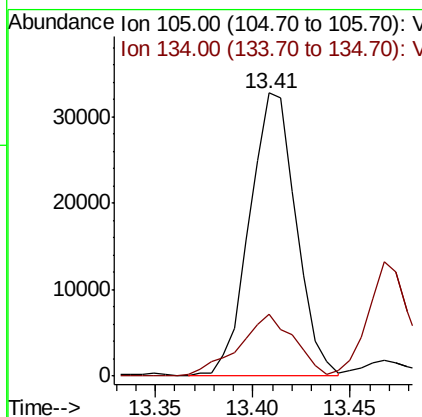
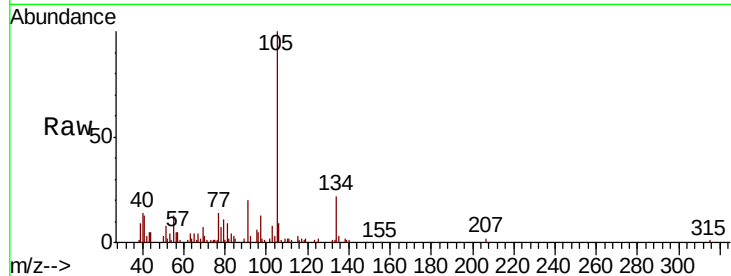




#85
 sec-Butylbenzene
 Concen: 1.340 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD064287.D
 Acq: 19 Nov 2019 13:58

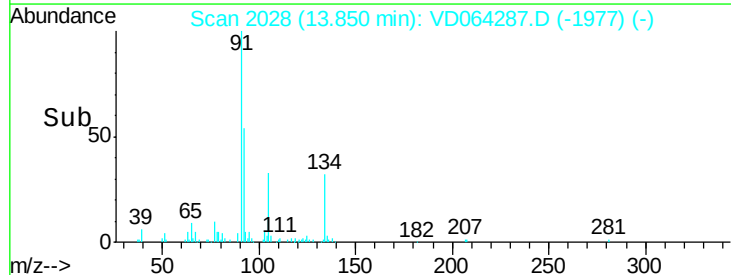
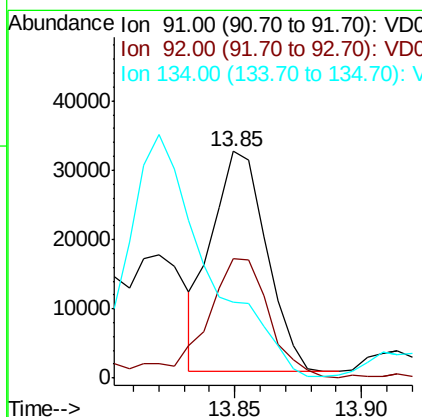
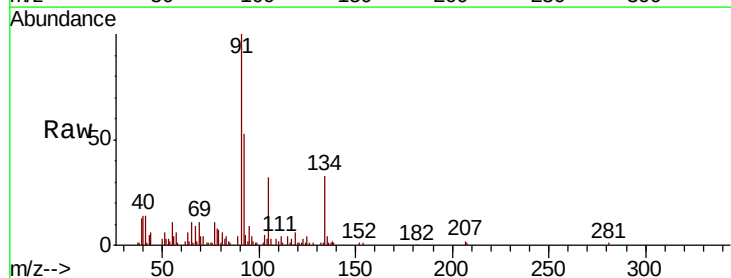
Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-111519

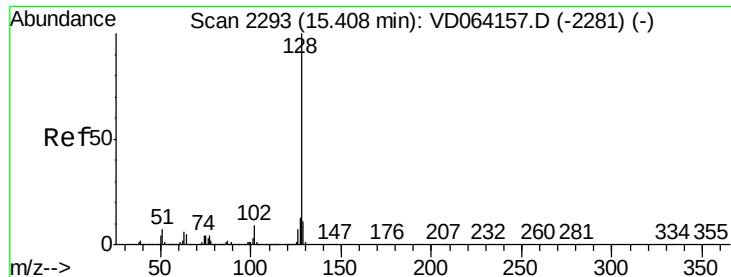
Tot Ion:105 Resp: 54070
 Ion Ratio Lower Upper
 105 100
 134 25.9 10.7 31.9



#89
 n-Butylbenzene
 Concen: 1.376 ug/l
 RT: 13.85 min Scan# 2028
 Delta R.T. 0.00 min
 Lab File: VD064287.D
 Acq: 19 Nov 2019 13:58

Tgt Ion: 91 Resp: 47687
 Ion Ratio Lower Upper
 91 100
 92 61.6 27.3 81.8
 134 0.0 14.1 42.4#





#95
 Naphthalene
 Concen: 20.241 ug/l
 RT: 15.41 min Scan# 2294
 Delta R.T. 0.01 min
 Lab File: VD064287.D
 Acq: 19 Nov 2019 13:58

Instrument :
 MSVOA_D
 ClientSampleId :
 SU-01-111519

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.5	15.7
129	11.3	8.6	13.0

