

Data Path : Z:\VOASRV\HPCHEM1\MSVOA W\DATA\VW091118\
 Data File : VW005280.D
 Acq On : 11 Sep 2018 17:10
 Operator : SY/AP
 Sample : J4724-18
 Misc : 5.09G/5ML/MSVOA W/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-SUT-4USTS-SB

Manual Integrations
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 9/12/2018 10:59:46 AM

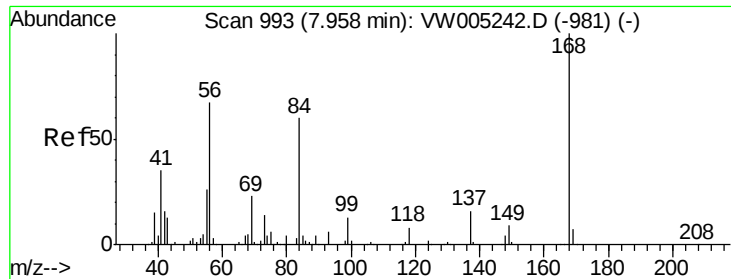
Quant Time: Sep 12 01:18:54 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W091018S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 03:48:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.96	168	23619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.85	114	39217	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	28702	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.54	152	58602	50.00	ug/l	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.32	65	11895	67.52	ug/l	0.00
Spiked Amount						
			Recovery	=	135.04%	
35) Dibromofluoromethane	7.90	113	11266	54.84	ug/l	0.00
Spiked Amount						
			Recovery	=	109.68%	
50) Toluene-d8	10.33	98	72457	69.80	ug/l	0.00
Spiked Amount						
			Recovery	=	139.60%	
62) 4-Bromofluorobenzene	0.00	95	0	0.00	ug/l	
Spiked Amount						
			Recovery	=	0.00%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	4.13	43	6480	198.17	ug/l	97
39) Methylcyclohexane	9.34	83	59116	123.92	ug/l	97
44) Trichloroethene	9.10	130	1204	4.15	ug/l	96
52) Toluene	10.40	92	4794	6.23	ug/l	97
67) Ethyl Benzene	11.74	91	707795	646.41	ug/l	99
68) m/p-Xylenes	11.85	106	861181	1951.71	ug/l	100
73) Isopropylbenzene	12.48	105	2797935	675.75	ug/l	100
78) n-propylbenzene	12.81	91	6960149	1399.63	ug/l	100
80) 1,3,5-Trimethylbenzene	12.95	105	10309886	2924.17	ug/l	94
83) tert-Butylbenzene	13.21	119	411612	133.48	ug/l	93
84) 1,2,4-Trimethylbenzene	13.25	105	19994506m	5643.40	ug/l	
85) sec-Butylbenzene	13.40	105	2920134	658.93	ug/l #	76
86) p-Isopropyltoluene	13.51	119	2101546	535.69	ug/l	99
89) n-Butylbenzene	13.83	91	3557640	964.67	ug/l #	71
95) Naphthalene	15.38	128	808689	391.66	ug/l	100

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



#1

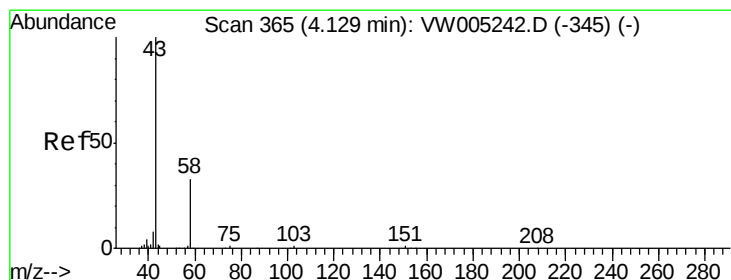
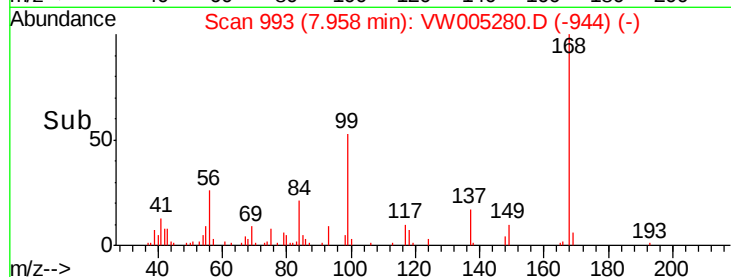
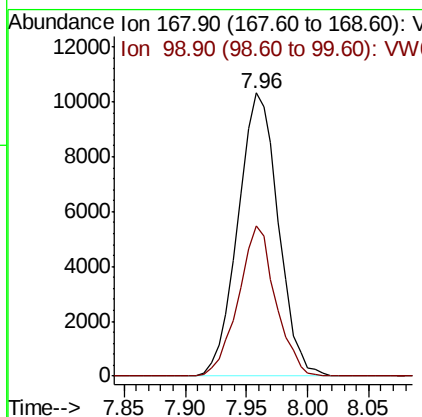
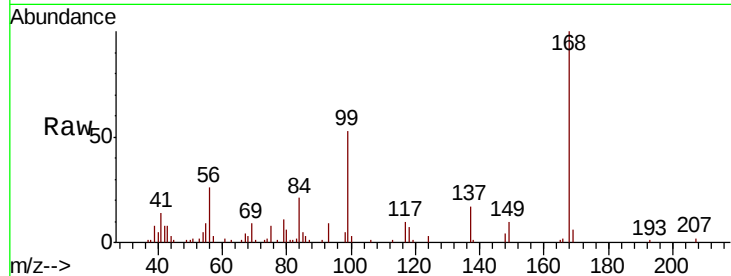
Pentafluorobenzene
 Concen: 50.00 ug/l
 RT: 7.96 min Scan# 993
 Delta R.T. 0.00 min
 Lab File: VW005280.D
 Acq: 11 Sep 2018 17:10

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-SUT-4USTS-SB

Tot Ion	Ratio	Lower	Upper
168	100		
99	53.1	39.1	58.7

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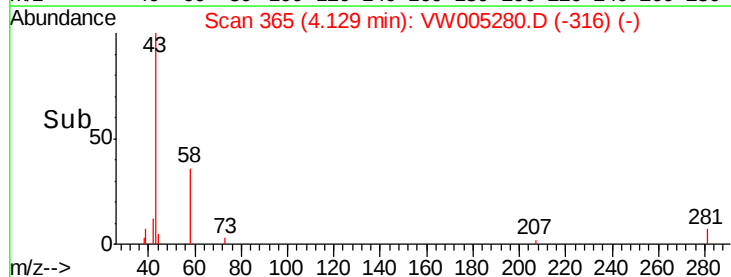
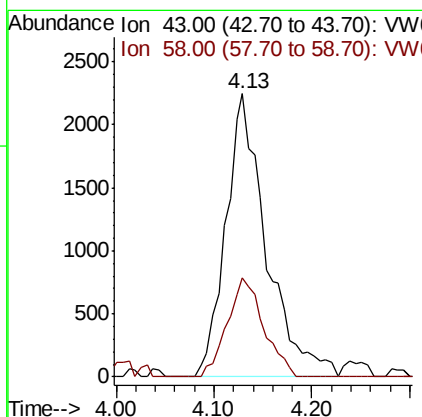
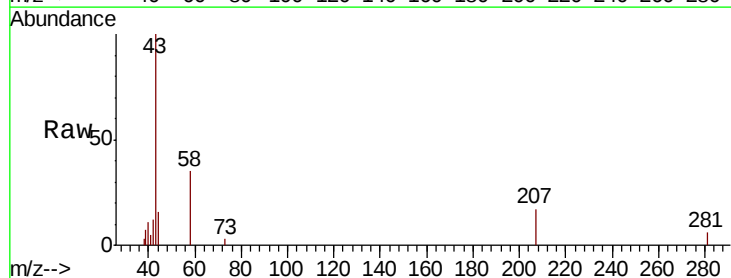
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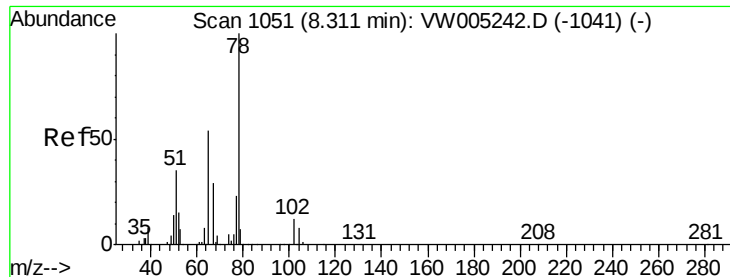


#16

Acetone
 Concen: 198.17 ug/l
 RT: 4.13 min Scan# 365
 Delta R.T. 0.00 min
 Lab File: VW005280.D
 Acq: 11 Sep 2018 17:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.0	26.7	40.1





#33

1,2-Dichloroethane-d4

Concen: 67.52 ug/l

RT: 8.32 min Scan# 1052

Delta R.T. 0.01 min

Lab File: VW005280.D

Acq: 11 Sep 2018 17:10

Instrument :

MSVOA_W

ClientSampleId :

EP1-SUT-4USTS-SB

Tot Ion: 65 Resp: 11895

Ion Ratio Lower Upper

65 100

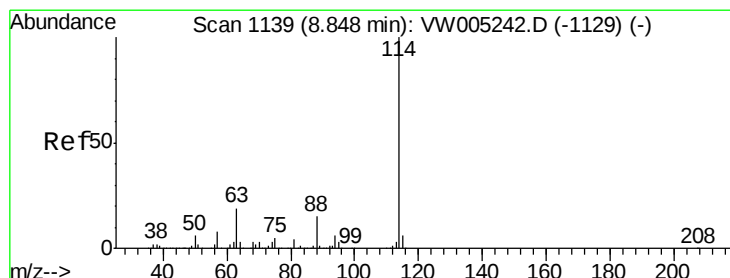
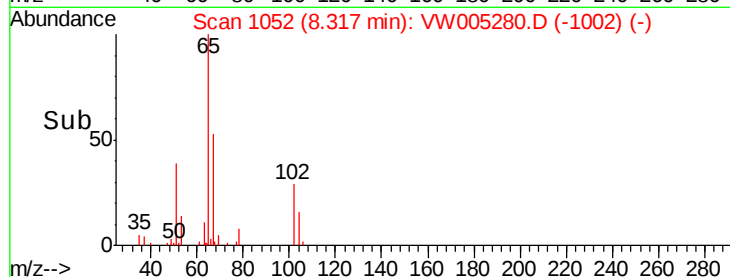
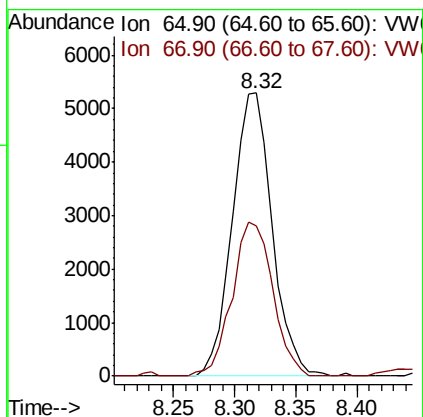
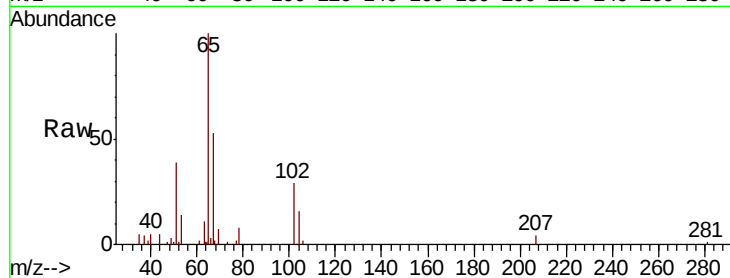
67 55.8 0.0 112.2

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#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.85 min Scan# 1140

Delta R.T. 0.01 min

Lab File: VW005280.D

Acq: 11 Sep 2018 17:10

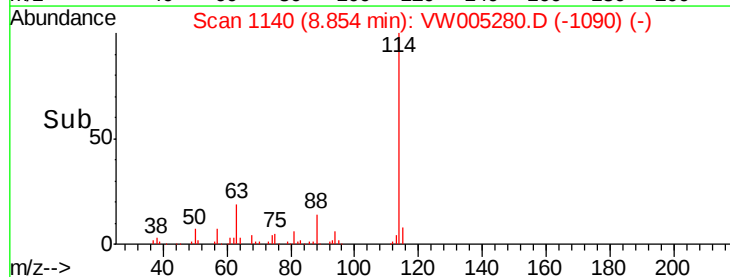
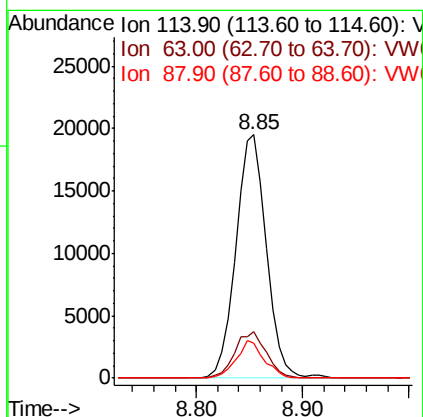
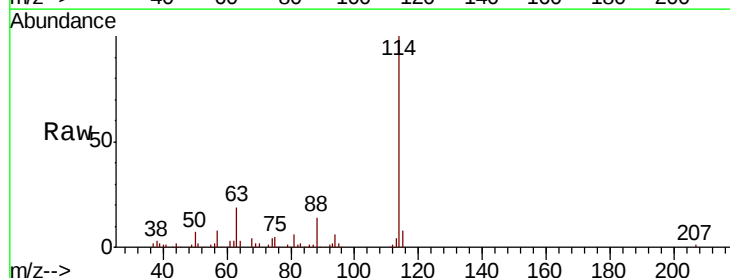
Tgt Ion: 114 Resp: 39217

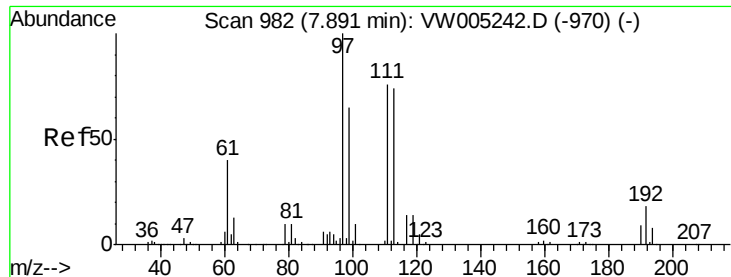
Ion Ratio Lower Upper

114 100

63 19.3 0.0 37.0

88 14.1 0.0 30.4





#35

Dibromofluoromethane

Concen: 54.84 ug/l

RT: 7.90 min Scan# 983

Delta R.T. 0.01 min

Lab File: VW005280.D

Acq: 11 Sep 2018 17:10

Instrument :

MSVOA_W

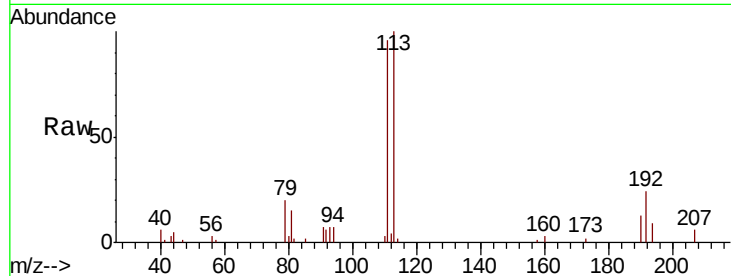
ClientSampleId :

EP1-SUT-4USTS-SB

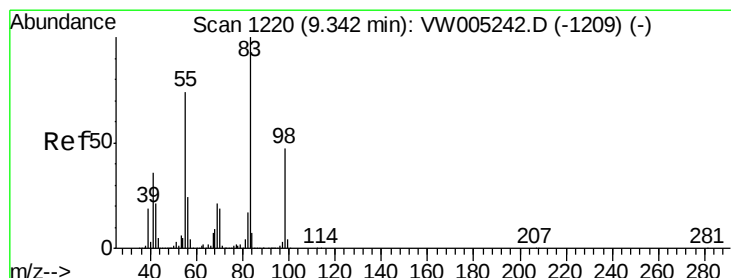
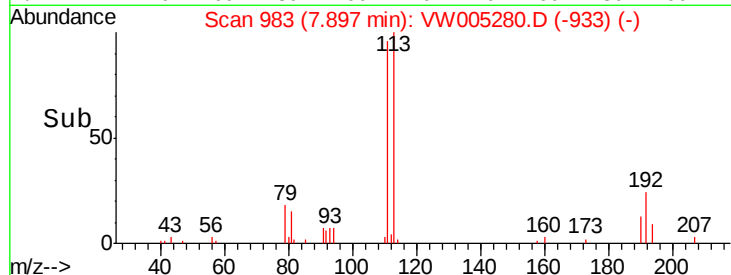
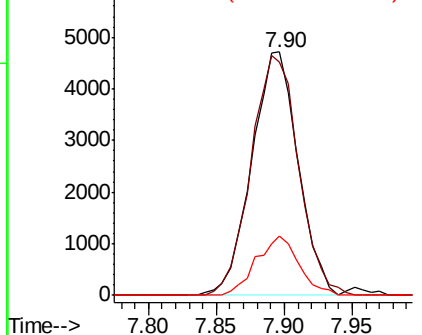
Tot Ion:	113	Resp:	11266
Ion Ratio	Lower	Upper	
113	100		
111	100.8	80.6	121.0
192	22.2	18.3	27.5

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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



#39

Methylcyclohexane

Concen: 123.92 ug/l

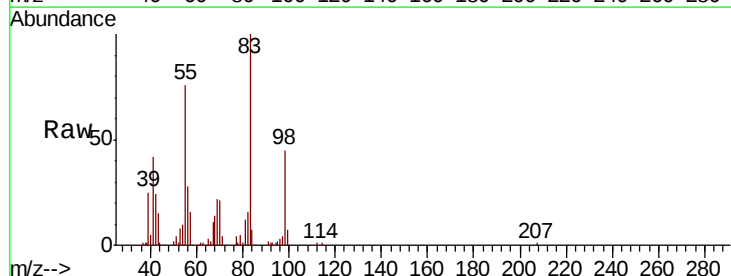
RT: 9.34 min Scan# 1220

Delta R.T. 0.00 min

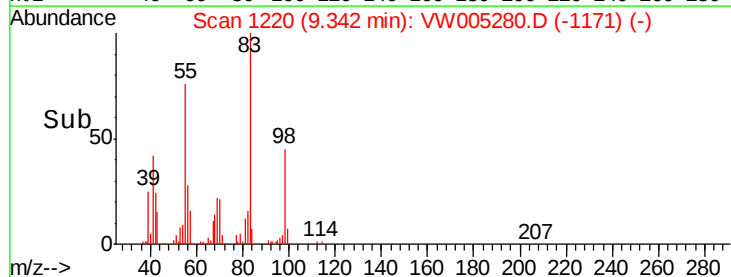
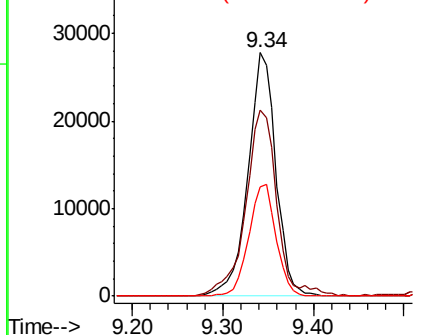
Lab File: VW005280.D

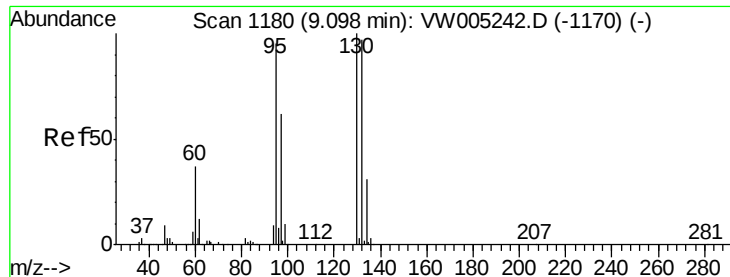
Acq: 11 Sep 2018 17:10

Tgt Ion:	83	Resp:	59116
Ion Ratio	Lower	Upper	
83	100		
55	76.5	58.9	88.3
98	45.1	37.6	56.4



Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW





#44

Trichloroethene

Concen: 4.15 ug/l

RT: 9.10 min Scan# 1181

Delta R.T. 0.01 min

Lab File: VW005280.D

Acq: 11 Sep 2018 17:10

Instrument :

MSVOA_W

ClientSampleId :

EP1-SUT-4USTS-SB

Tot Ion:130 Resp: 1204

Ion Ratio Lower Upper

130 100

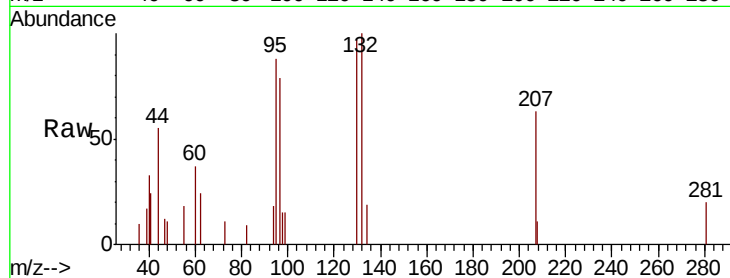
95 91.4 0.0 189.6

Manual Integrations

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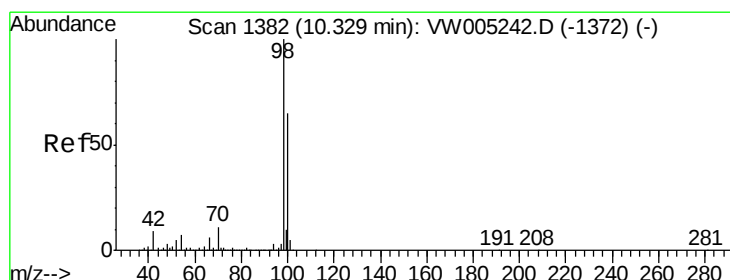
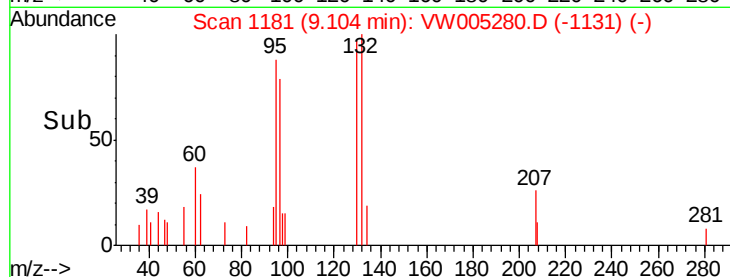
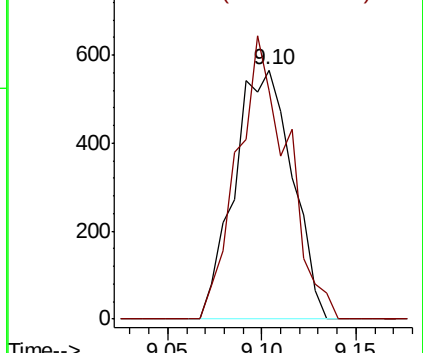
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Abundance Ion 129.80 (129.50 to 130.50): VW

Ion 94.90 (94.60 to 95.60): VW



#50

Toluene-d8

Concen: 69.80 ug/l

RT: 10.33 min Scan# 1382

Delta R.T. 0.00 min

Lab File: VW005280.D

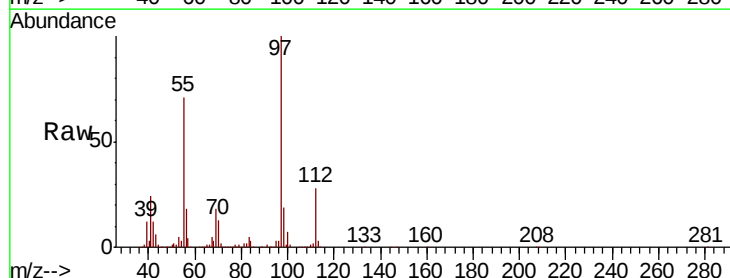
Acq: 11 Sep 2018 17:10

Tgt Ion: 98 Resp: 72457

Ion Ratio Lower Upper

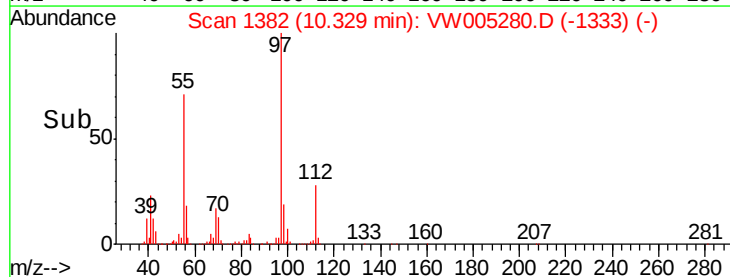
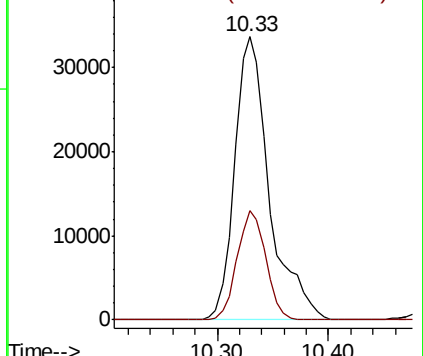
98 100

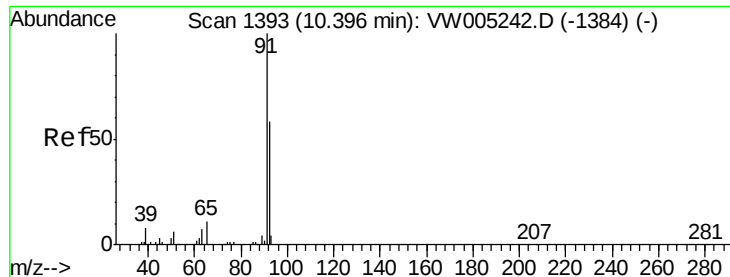
100 32.0 52.0 78.0#



Abundance Ion 98.00 (97.70 to 98.70): VW

Ion 100.00 (99.70 to 100.70): VW





#52

Toluene

Concen: 6.23 ug/l

RT: 10.40 min Scan# 1393

Delta R.T. 0.00 min

Lab File: VW005280.D

Acq: 11 Sep 2018 17:10

Instrument :

MSVOA_W

ClientSampled :

EP1-SUT-4USTS-SB

Tot Ion: 92 Resp: 4794

Ion Ratio Lower Upper

92 100

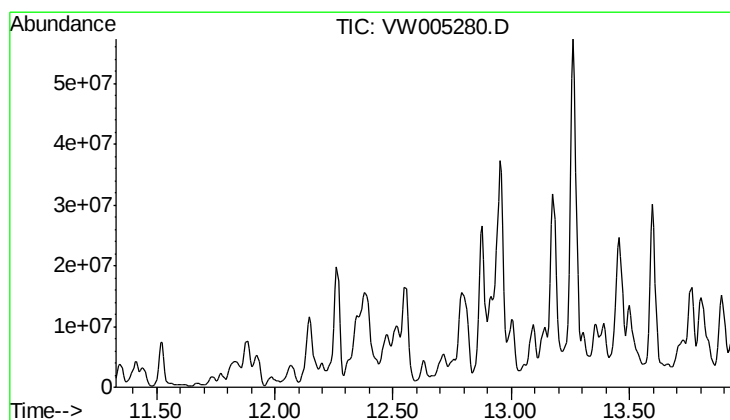
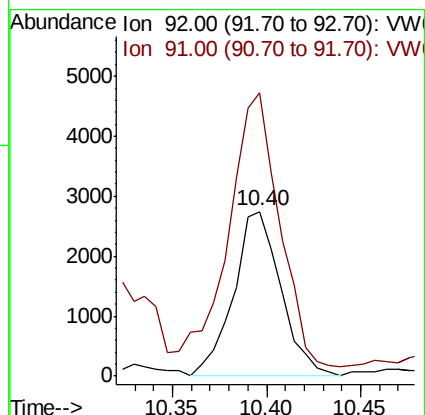
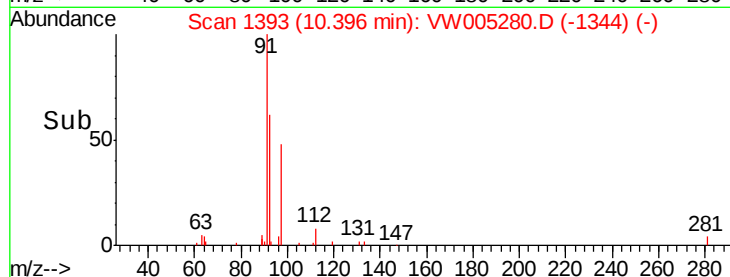
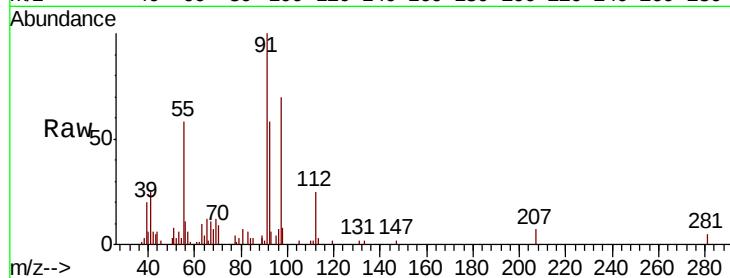
91 176.0 137.4 206.0

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#62

4-Bromofluorobenzene

Concen: 0.00 ug/l

Expected RT: 12.63 min

Lab File: VW005280.D

Acq: 11 Sep 2018 17:10

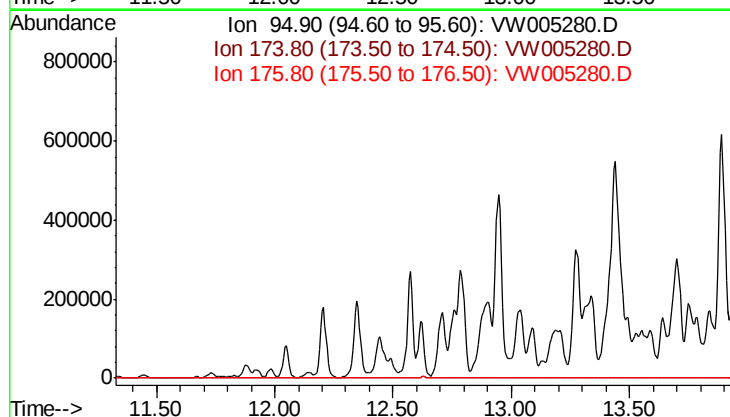
Tgt Ion: 95

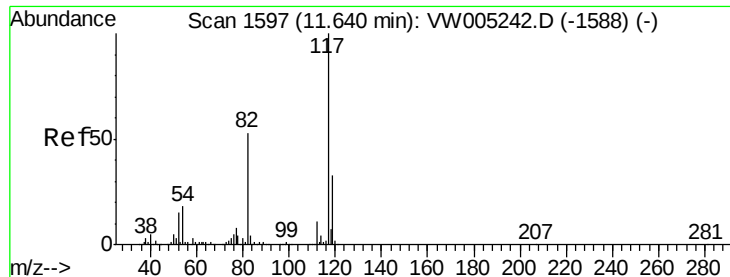
Sig Exp Ratio

95 100

174 87.3

176 83.8





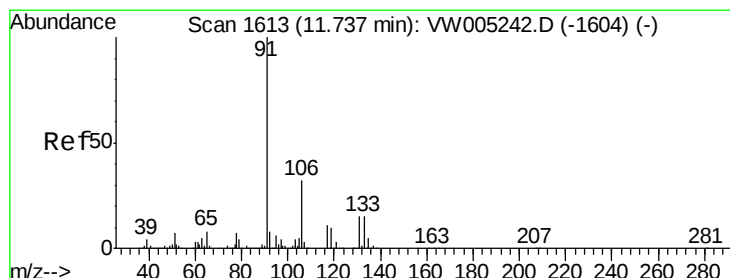
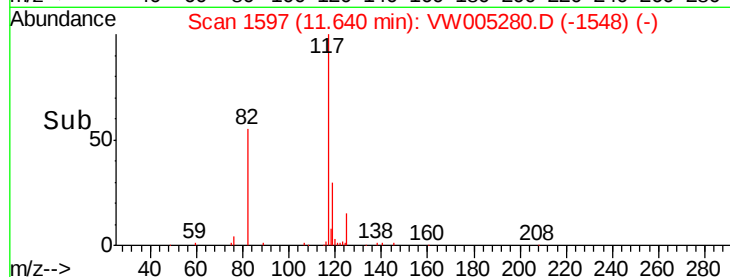
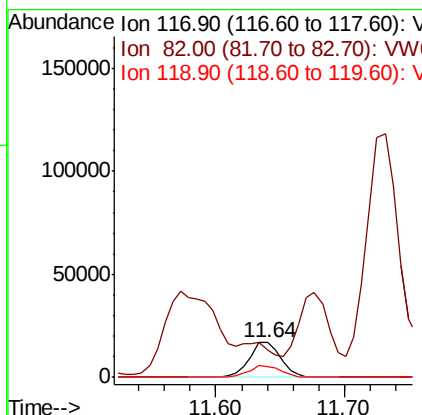
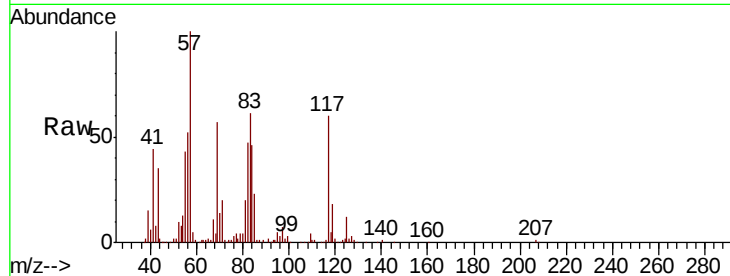
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.64 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VW005280.D
Acq: 11 Sep 2018 17:10

Instrument :
MSVOA_W
ClientSampleId :
EP1-SUT-4USTS-SB

Tot Ion	Ion	Ratio	Resp	Lower	Upper
117	100		28702		
82	8.6		42.6	63.8	
119	30.8		26.2	39.4	

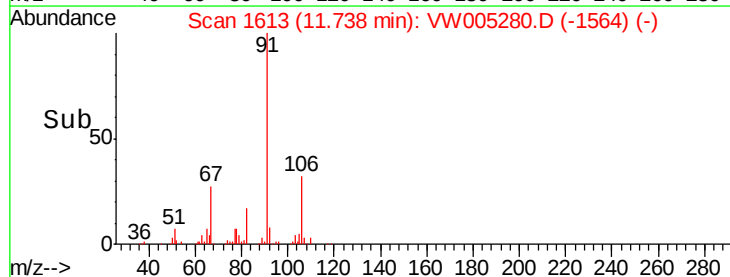
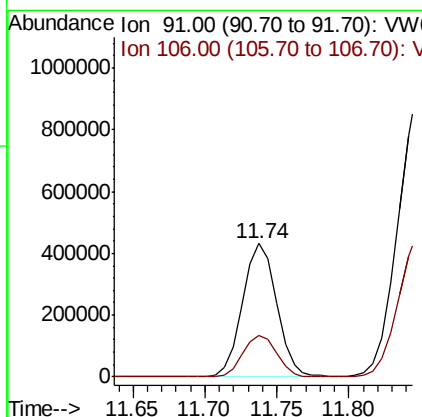
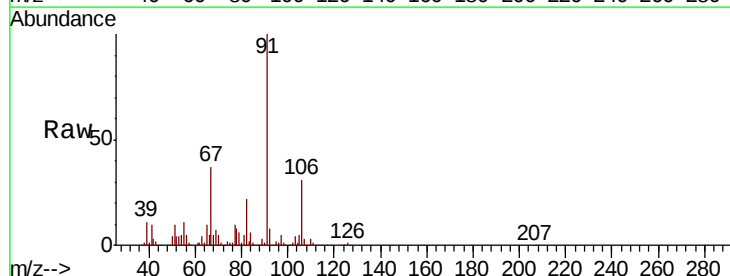
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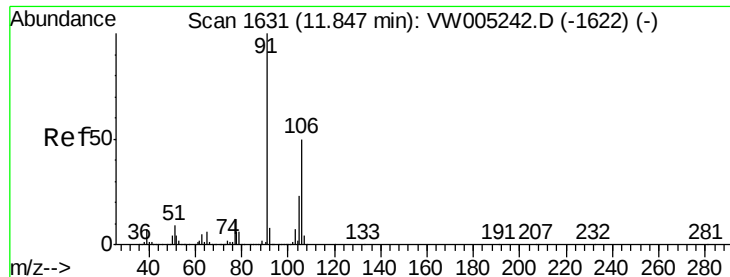
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#67
Ethyl Benzene
Concen: 646.41 ug/l
RT: 11.74 min Scan# 1613
Delta R.T. 0.00 min
Lab File: VW005280.D
Acq: 11 Sep 2018 17:10

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
91	100		707795		
106	31.5		25.6	38.4	





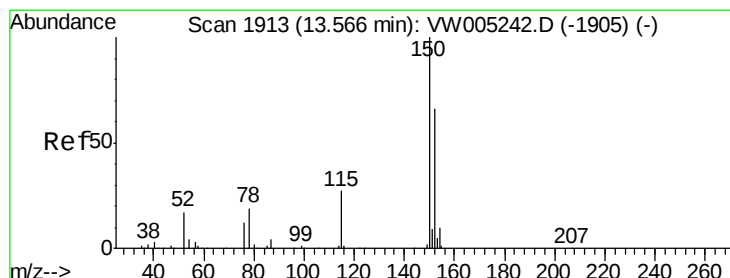
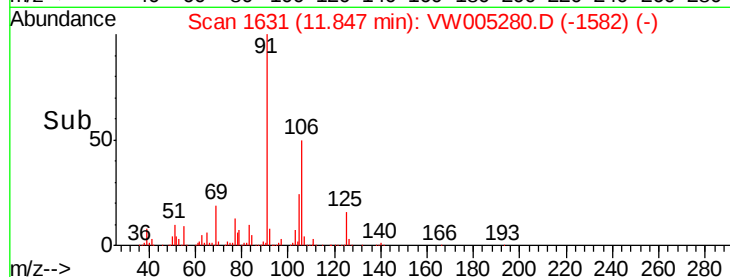
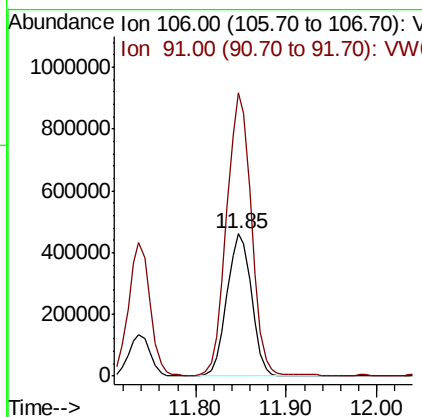
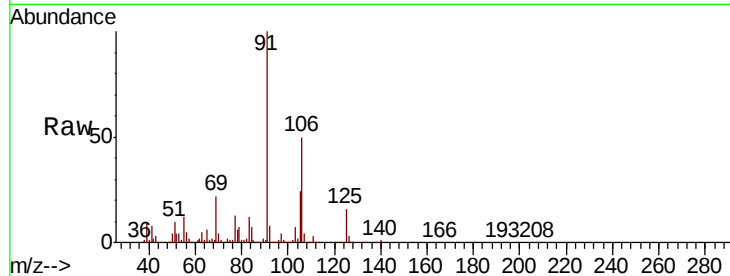
#68
m/p-Xvlenes
Concen: 1951.71 ug/l
RT: 11.85 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VW005280.D
Acq: 11 Sep 2018 17:10

Instrument :
MSVOA_W
ClientSampleId :
EP1-SUT-4USTS-SB

Tot Ion:106 Resp: 861181
Ion Ratio Lower Upper
106 100
91 200.7 160.2 240.2

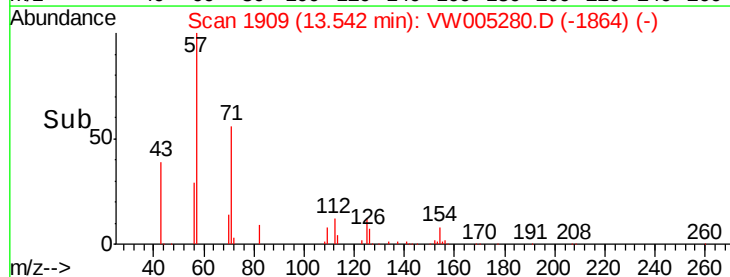
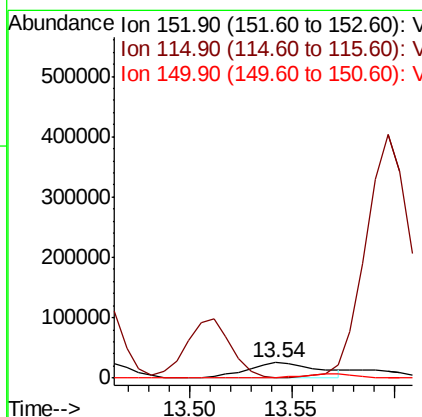
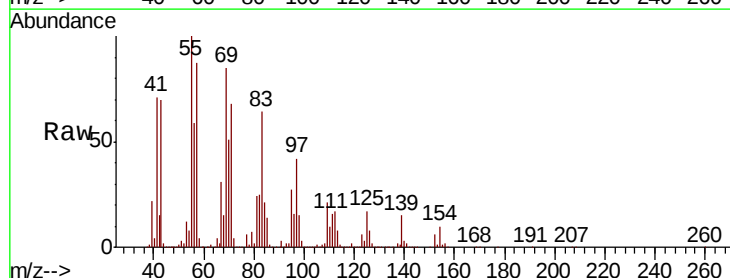
Manual Integrations
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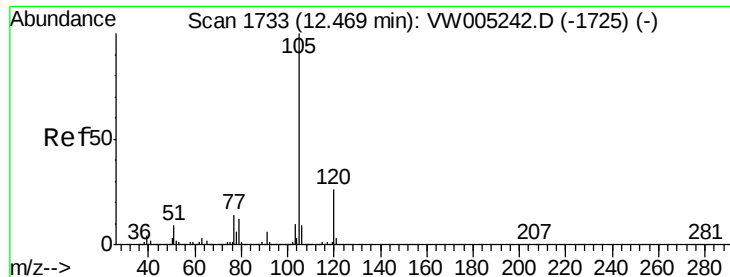
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.54 min Scan# 1909
Delta R.T. -0.02 min
Lab File: VW005280.D
Acq: 11 Sep 2018 17:10

Tgt Ion:152 Resp: 58602
Ion Ratio Lower Upper
152 100
115 0.0 27.5 82.4#
150 0.0 0.0 347.4





#73

Isopropylbenzene

Concen: 675.75 ug/l

RT: 12.48 min Scan# 1734

Delta R.T. 0.01 min

Lab File: VW005280.D

Acq: 11 Sep 2018 17:10

Instrument :

MSVOA_W

ClientSampleId :

EP1-SUT-4USTS-SB

Tot Ion:105 Resp: 2797935

Ion Ratio Lower Upper

105 100

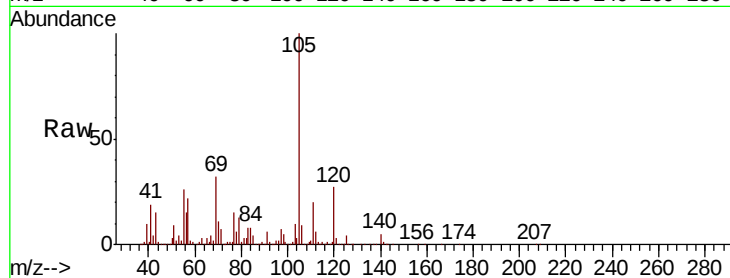
120 26.8 13.4 40.1

Manual Integrations

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

2000000

1500000

1000000

500000

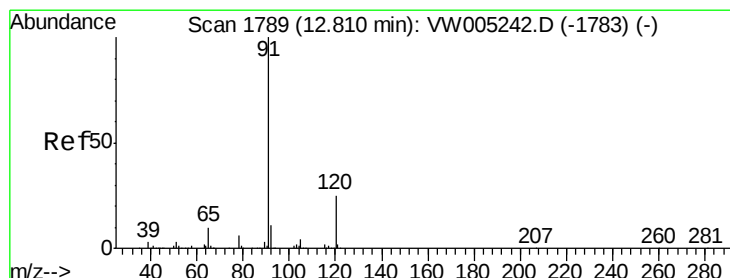
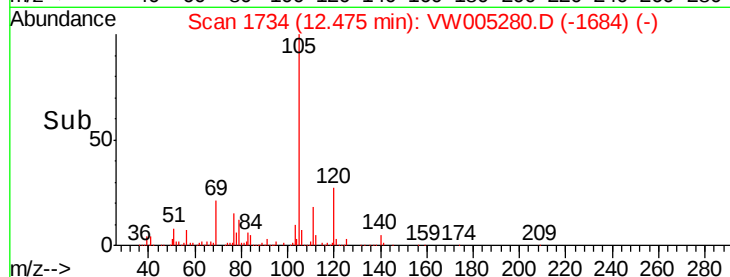
0

12.48

12.40

12.50

Time-->



#78

n-propylbenzene

Concen: 1399.63 ug/l

RT: 12.81 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VW005280.D

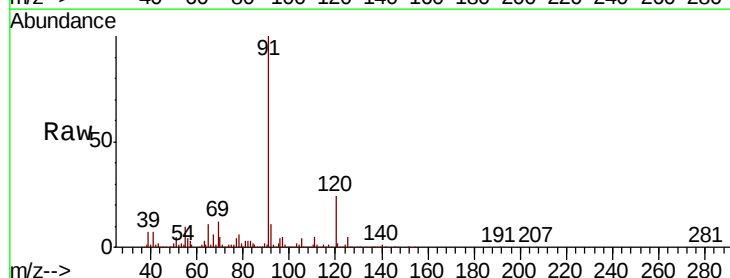
Acq: 11 Sep 2018 17:10

Tgt Ion: 91 Resp: 6960149

Ion Ratio Lower Upper

91 100

120 23.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VW

Ion 120.00 (119.70 to 120.70): V

5000000

4000000

3000000

2000000

1000000

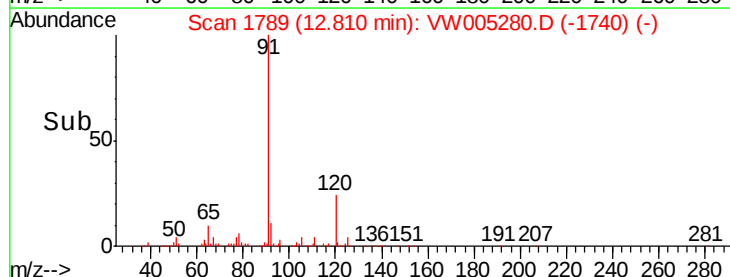
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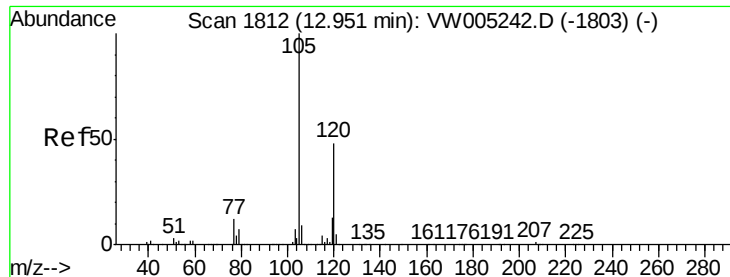
12.81

12.75

12.85

Time-->





#80

1,3,5-Trimethylbenzene

Concen: 2924.17 ug/l

RT: 12.95 min Scan# 1812

Delta R.T. 0.00 min

Lab File: VW005280.D

Acq: 11 Sep 2018 17:10

Instrument :

MSVOA_W

ClientSampleId :

EP1-SUT-4USTS-SB

Tot Ion:105 Resp:10309886

Ion Ratio Lower Upper

105 100

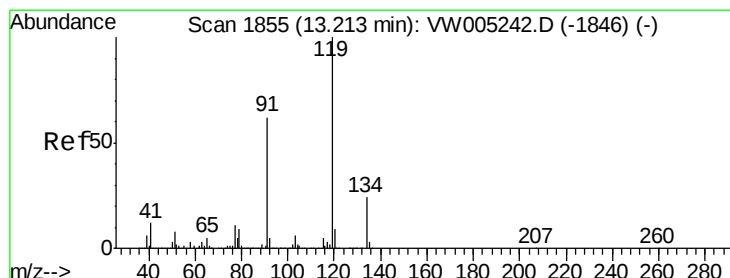
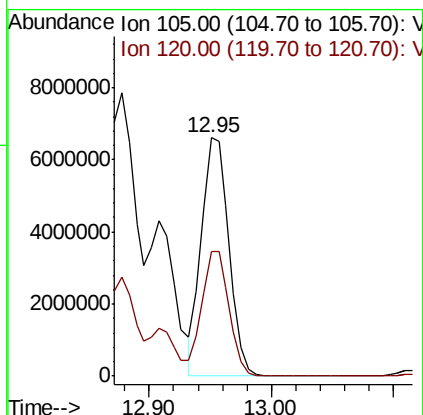
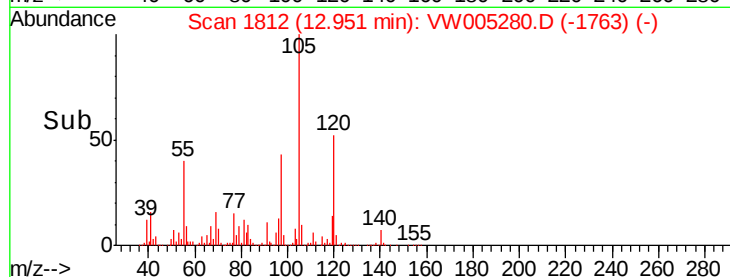
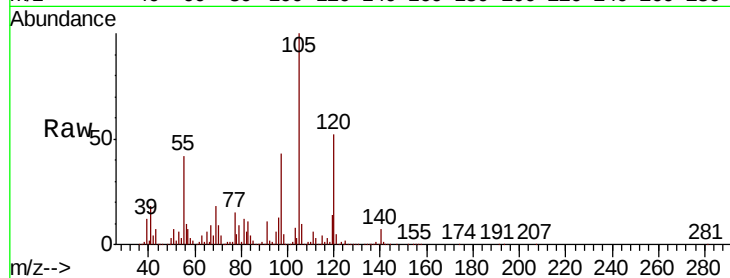
120 53.2 24.4 73.4

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#83

tert-Butylbenzene

Concen: 133.48 ug/l

RT: 13.21 min Scan# 1855

Delta R.T. 0.00 min

Lab File: VW005280.D

Acq: 11 Sep 2018 17:10

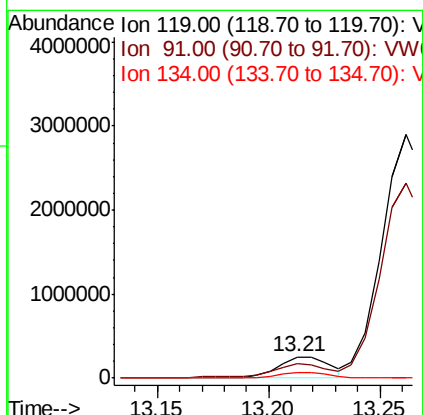
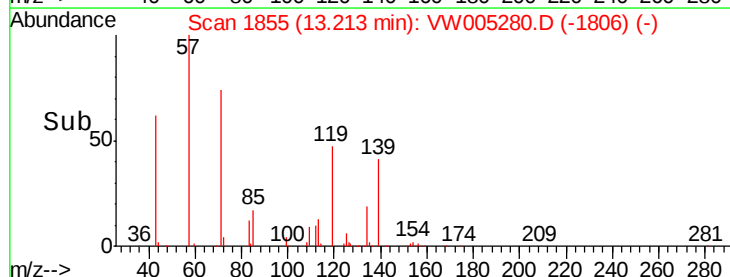
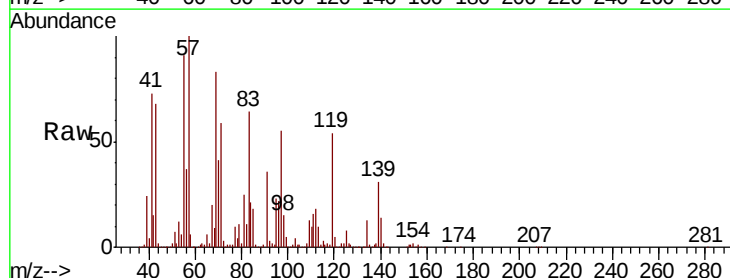
Tgt Ion:119 Resp: 411612

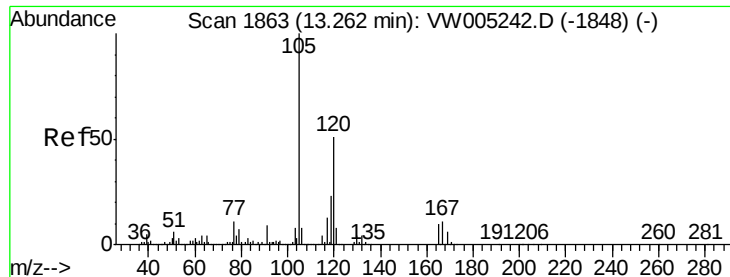
Ion Ratio Lower Upper

119 100

91 70.8 31.7 95.1

134 24.8 13.0 38.9





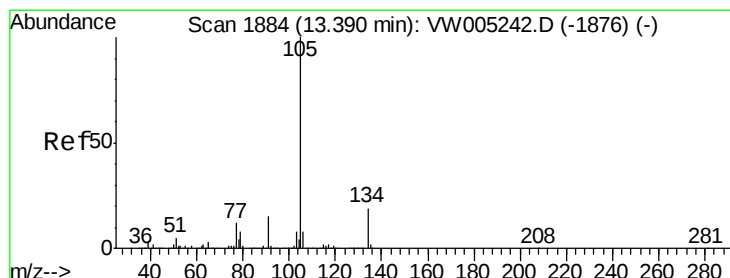
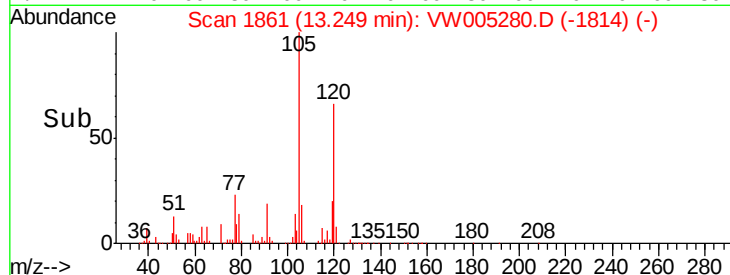
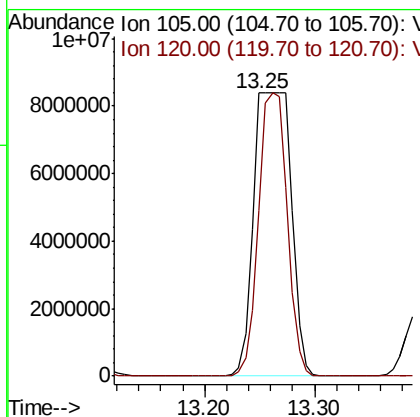
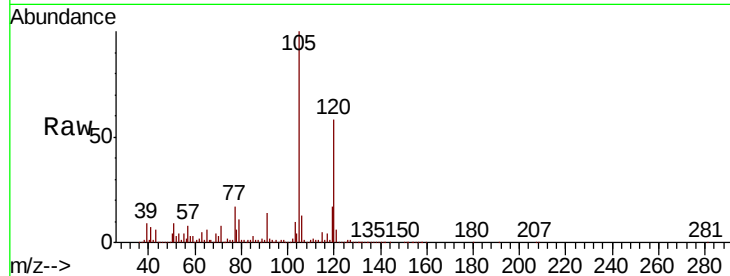
#84
 1,2,4-Trimethylbenzene
 Concen: 5643.40 ug/l m
 RT: 13.25 min Scan# 1861
 Delta R.T. -0.01 min
 Lab File: VW005280.D
 Acq: 11 Sep 2018 17:10

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-SUT-4USTS-SB

Tot Ion:105 Resp:19994506
 Ion Ratio Lower Upper
 105 100
 120 0.0 23.4 70.3#

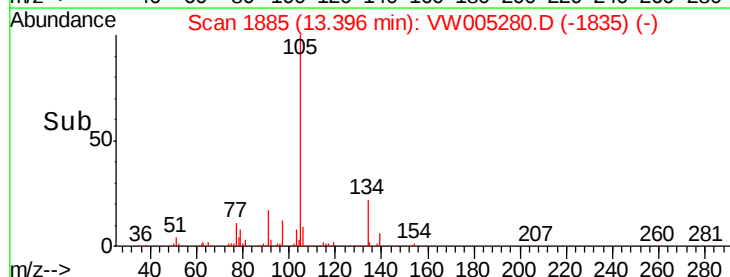
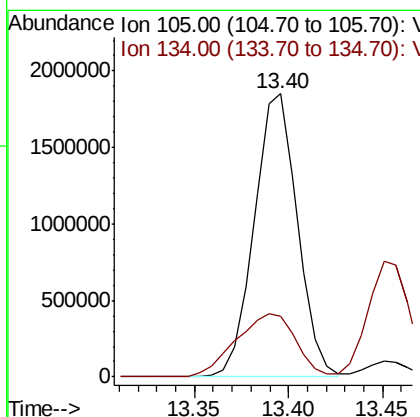
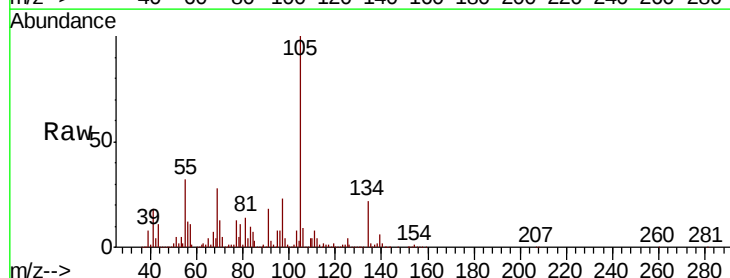
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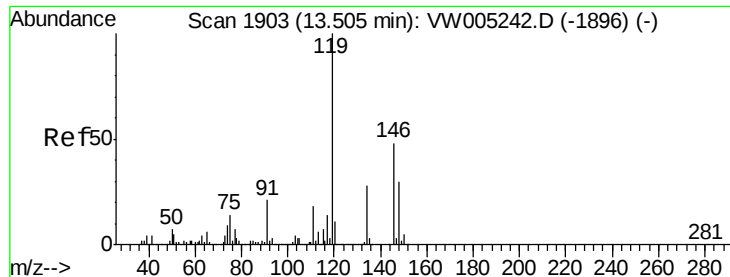
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#85
 sec-Butylbenzene
 Concen: 658.93 ug/l
 RT: 13.40 min Scan# 1885
 Delta R.T. 0.01 min
 Lab File: VW005280.D
 Acq: 11 Sep 2018 17:10

Tgt Ion:105 Resp: 2920134
 Ion Ratio Lower Upper
 105 100
 134 30.9 9.9 29.7#





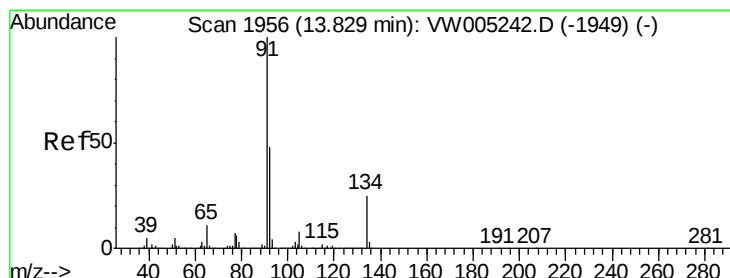
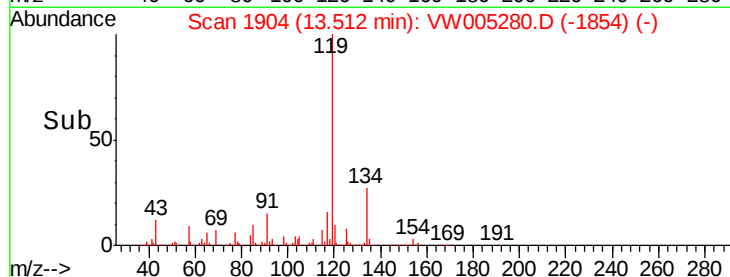
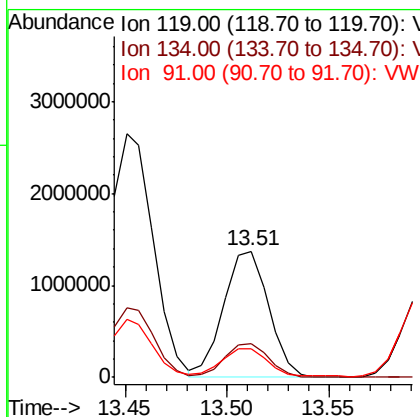
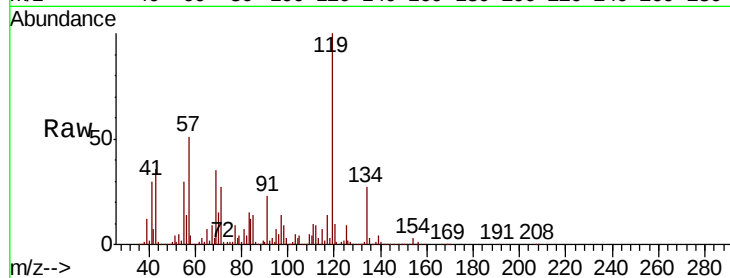
#86
 p-Isopropyltoluene
 Concen: 535.69 ug/l
 RT: 13.51 min Scan# 1904
 Delta R.T. 0.01 min
 Lab File: VW005280.D
 Acq: 11 Sep 2018 17:10

Instrument :
 MSVOA_W
 ClientSampleId :
 EP1-SUT-4USTS-SB

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.6	13.2	39.5
91	22.1	10.7	32.1

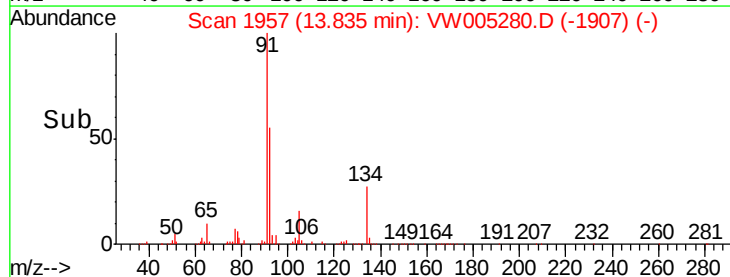
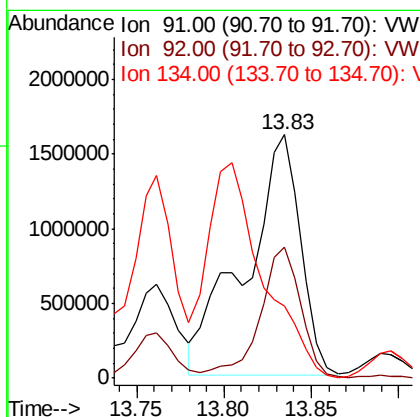
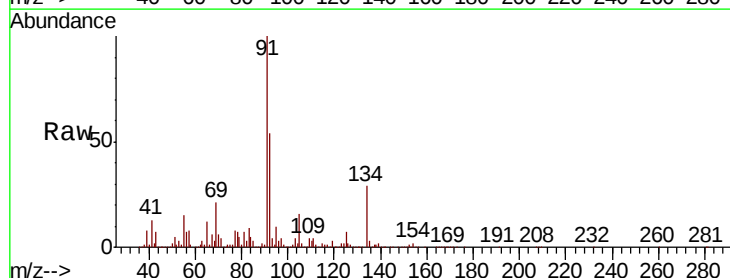
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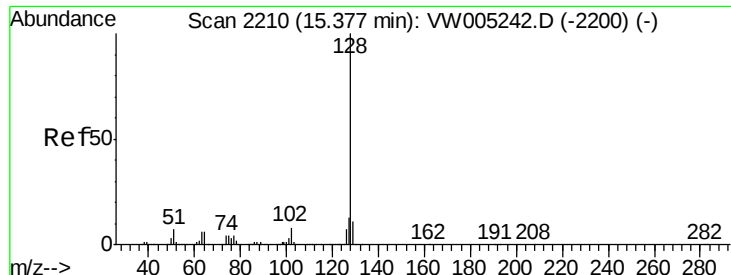
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#89
 n-Butylbenzene
 Concen: 964.67 ug/l
 RT: 13.83 min Scan# 1957
 Delta R.T. 0.01 min
 Lab File: VW005280.D
 Acq: 11 Sep 2018 17:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	40.0	25.8	77.3
134	0.0	13.6	40.8#





#95
Naphthalene
Concen: 391.66 ug/l
RT: 15.38 min Scan# 2210
Delta R.T. 0.00 min
Lab File: VW005280.D
Acq: 11 Sep 2018 17:10

Instrument :
MSVOA_W
ClientSampleId :
EP1-SUT-4USTS-SB

Tot Ion	Ratio	Resp	Lower	Upper
128	100	808689		
127	12.9		10.3	15.5
129	10.9		8.8	13.2

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