

Data File : VW012691.D
Acq On : 06 Sep 2019 15:07
Operator : SY/VA
Sample : K4522-01
Misc : 5.00G/5ML/MSVOA_W/SOIL
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-4

Manual Integrations
APPROVED

MMDadoda
9/9/2019 4:45:14 AM

Quant Time: Sep 07 05:40:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\82W082319S.M
Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.95	168	224535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.84	114	362796	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.63	117	289776	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.56	152	109596	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.30	65	141489	53.01	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.02%	
35) Dibromofluoromethane	7.88	113	110543	51.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.10%	
50) Toluene-d8	10.32	98	475638	54.17	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.34%	
62) 4-Bromofluorobenzene	12.61	95	161540	52.19	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.38%	
Target Compounds						
16) Acetone	4.15	43	78077	114.433	ug/l	94
20) Methylene Chloride	4.92	84	18032	6.991	ug/l	92
25) 2-Butanone	7.19	43	21777	23.488	ug/l	99
39) Methylcyclohexane	9.34	83	59164	14.047	ug/l	90
73) Isopropylbenzene	12.46	105	15854	1.931	ug/l	98
78) n-propylbenzene	12.80	91	21392	2.134	ug/l	90
83) tert-Butylbenzene	13.21	119	13590	2.338	ug/l	80
85) sec-Butylbenzene	13.38	105	93825	11.266	ug/l #	76
89) n-Butylbenzene	13.82	91	17984m	2.432	ug/l	
95) Naphthalene	15.36	128	48543	15.049	ug/l #	95

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

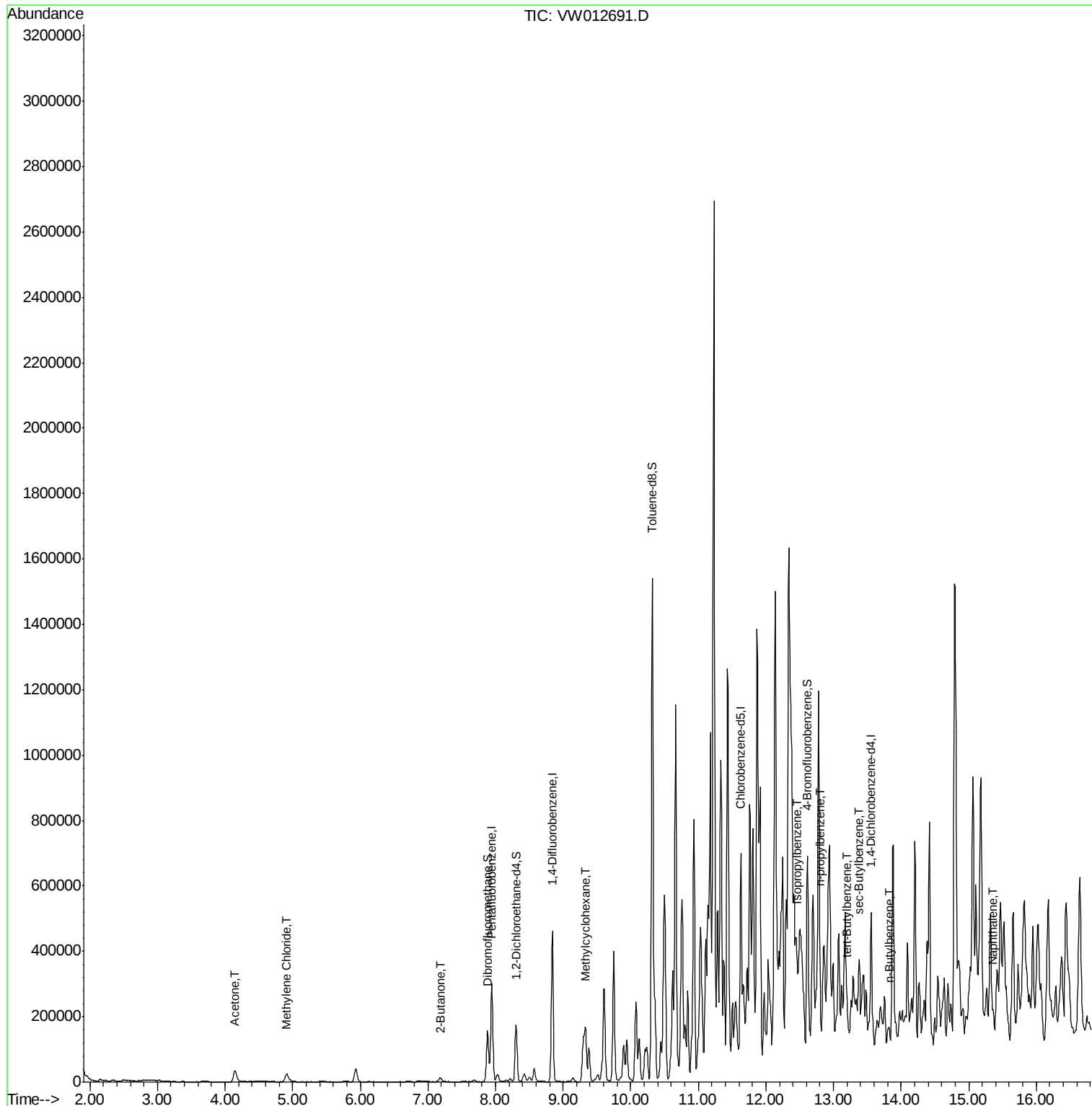
Data File : VW012691.D
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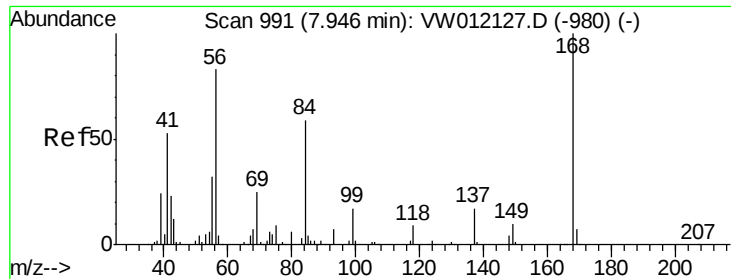
Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-4

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Quant Title : SW846 8260
QLast Update : Mon Aug 26 07:18:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.95 min Scan# 991

Delta R.T. -0.00 min

Lab File: VW012691.D

Acq: 06 Sep 2019 15:07

Instrument :

MSVOA_W

ClientSampled :

SIDEWALL-4

Tgt Ion:168 Resp: 224535

Ion Ratio Lower Upper

168 100

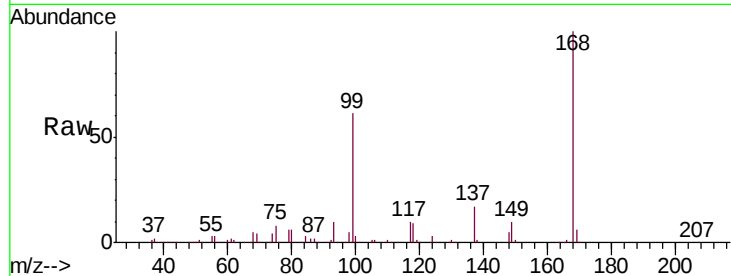
99 60.6 49.2 73.8

Manual Integrations

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VW

7.95

100000

80000

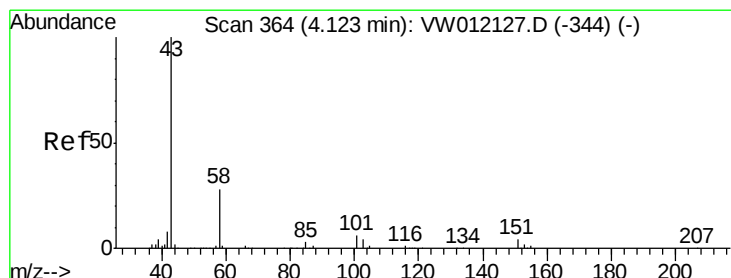
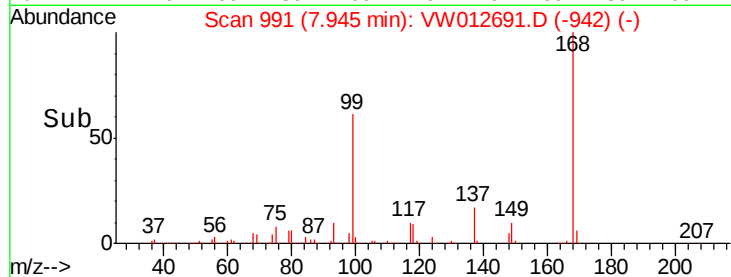
60000

40000

20000

0

Time--> 7.80 7.90 8.00



#16

Acetone

Concen: 114.433 ug/l

RT: 4.15 min Scan# 368

Delta R.T. 0.02 min

Lab File: VW012691.D

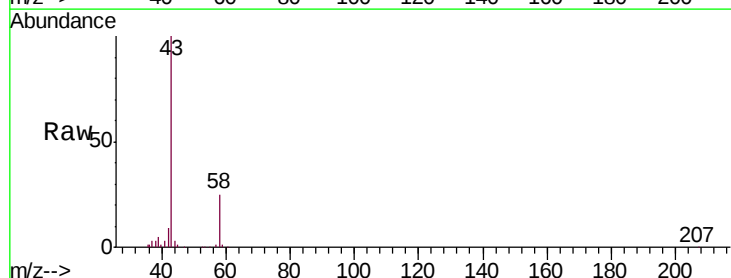
Acq: 06 Sep 2019 15:07

Tgt Ion: 43 Resp: 78077

Ion Ratio Lower Upper

43 100

58 24.8 22.4 33.6



Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW

4.15

25000

20000

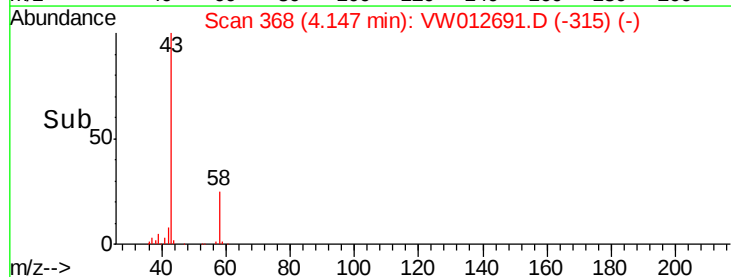
15000

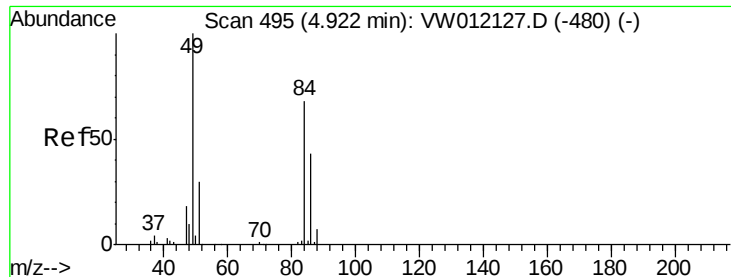
10000

5000

0

Time--> 4.00 4.10 4.20 4.30





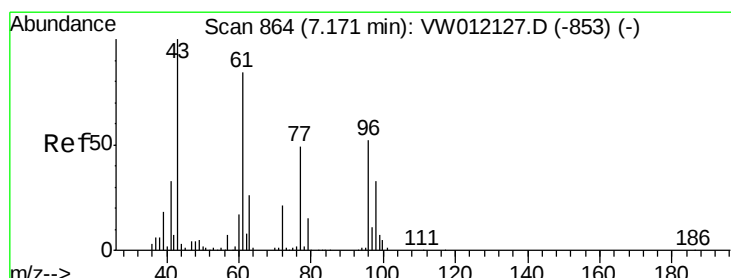
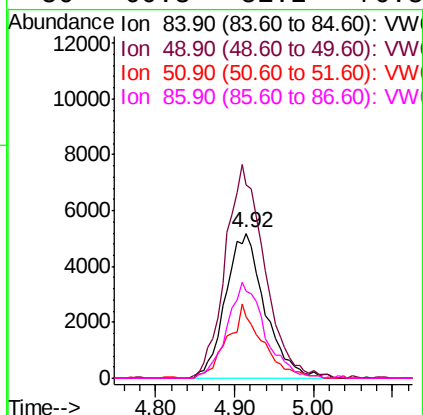
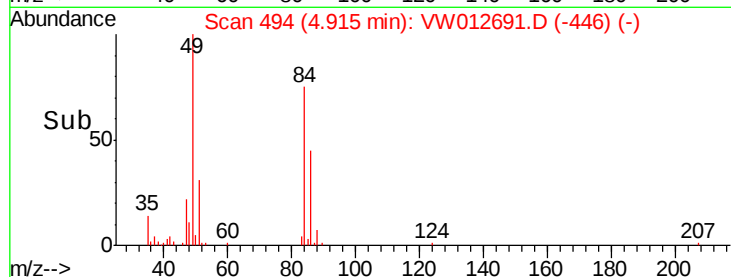
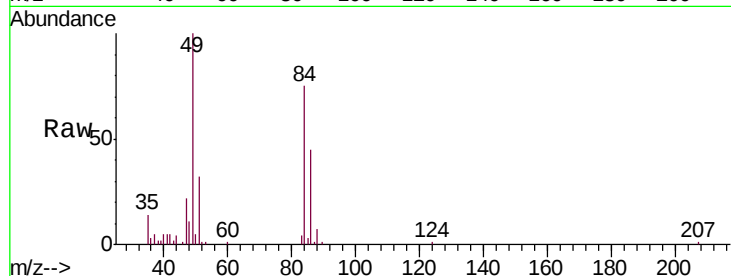
#20
Methylene Chloride
Concen: 6.991 ug/l
RT: 4.92 min Scan# 494
Delta R.T. -0.01 min
Lab File: VW012691.D
Acq: 06 Sep 2019 15:07

Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-4

Tgt Ion:	84	Resp:	18032
Ion	Ratio	Lower	Upper
84	100		
49	132.7	117.8	176.8
51	42.2	35.6	53.4
86	60.3	51.2	76.8

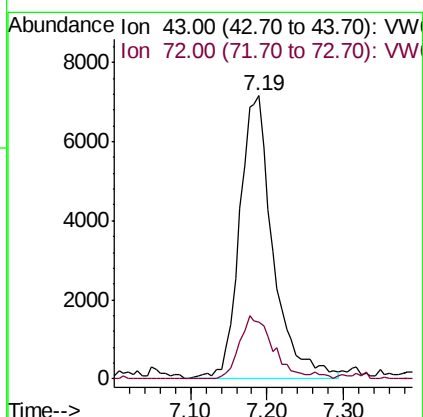
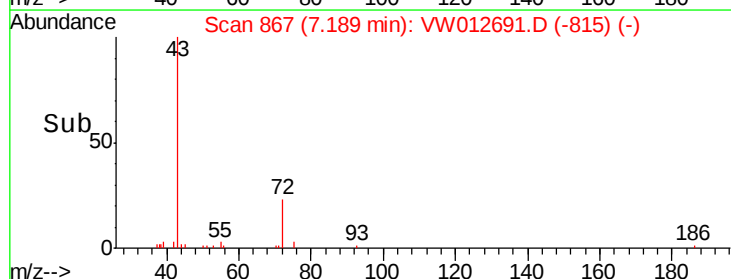
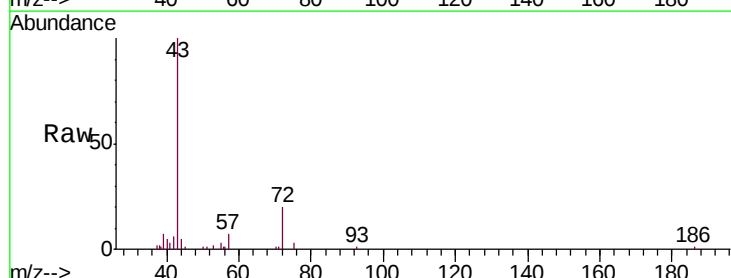
Manual Integrations
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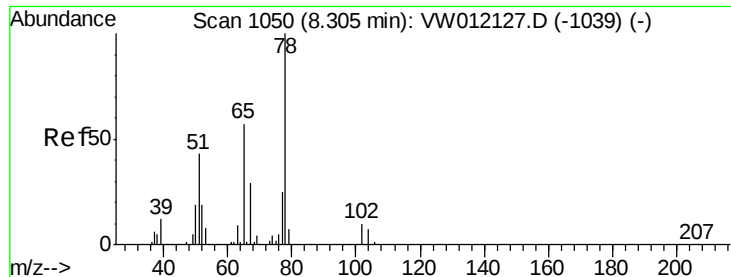
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#25
2-Butanone
Concen: 23.488 ug/l
RT: 7.19 min Scan# 867
Delta R.T. 0.02 min
Lab File: VW012691.D
Acq: 06 Sep 2019 15:07

Tgt Ion:	43	Resp:	21777
Ion	Ratio	Lower	Upper
43	100		
72	20.2	16.6	24.8





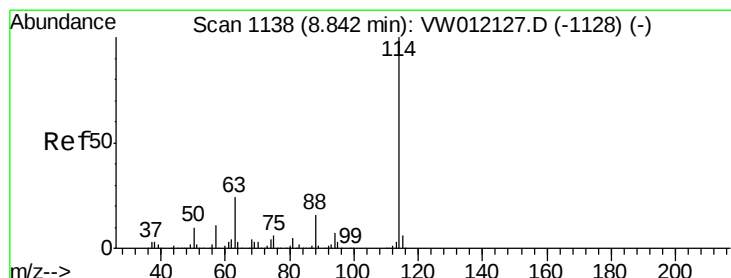
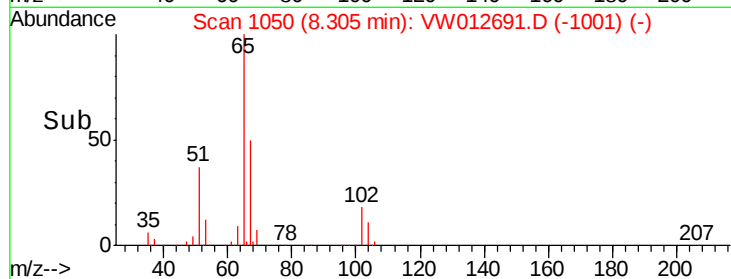
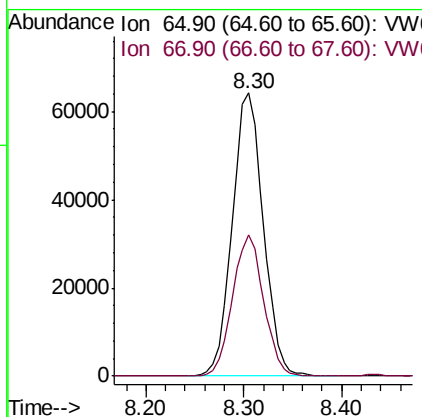
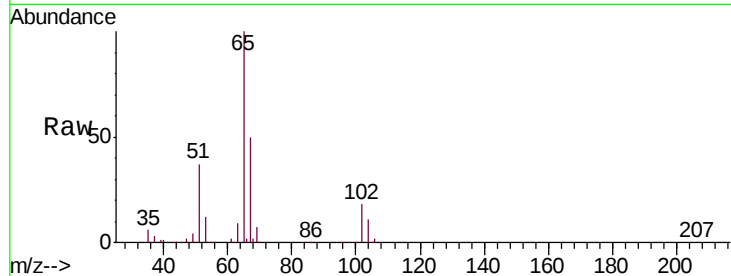
#33
 1,2-Dichloroethane-d4
 Concen: 53.009 ug/l
 RT: 8.30 min Scan# 1050
 Delta R.T. -0.00 min
 Lab File: VW012691.D
 Acq: 06 Sep 2019 15:07

Instrument :
 MSVOA_W
 ClientSampleId :
 SIDEWALL-4

Tgt Ion	Ratio	Resp	Lower	Upper
65	100	141489		
67	50.0	0.0	102.6	

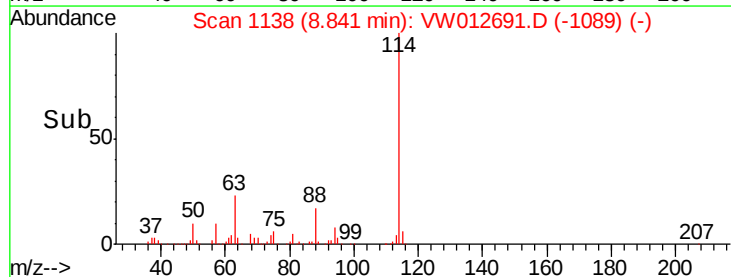
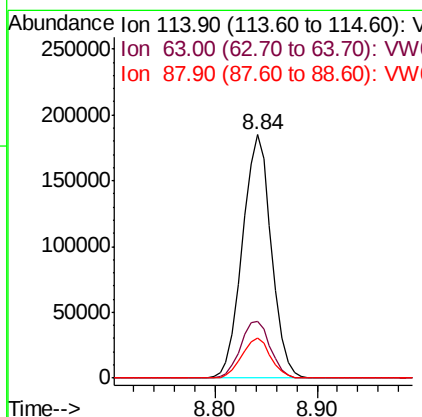
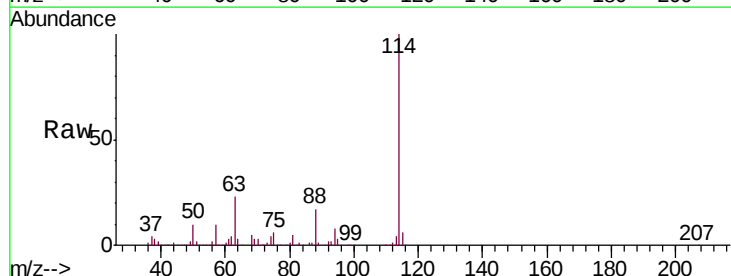
Manual Integrations
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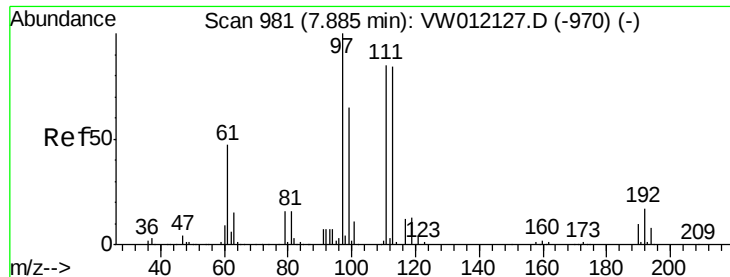
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.84 min Scan# 1138
 Delta R.T. -0.00 min
 Lab File: VW012691.D
 Acq: 06 Sep 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	362796		
63	23.4	0.0	48.6	
88	16.6	0.0	32.2	





#35

Dibromofluoromethane

Concen: 51.046 ug/l

RT: 7.88 min Scan# 981

Delta R.T. -0.00 min

Lab File: VW012691.D

Acq: 06 Sep 2019 15:07

Instrument :

MSVOA_W

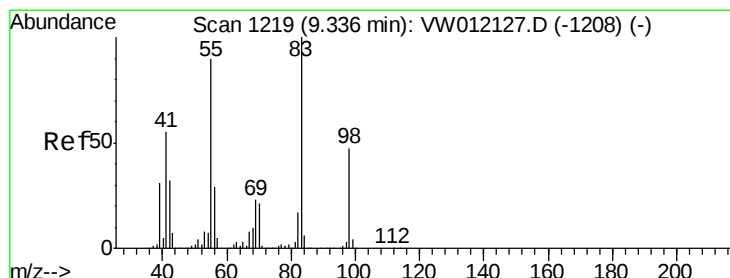
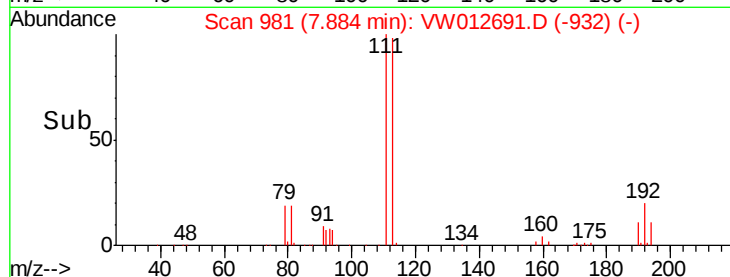
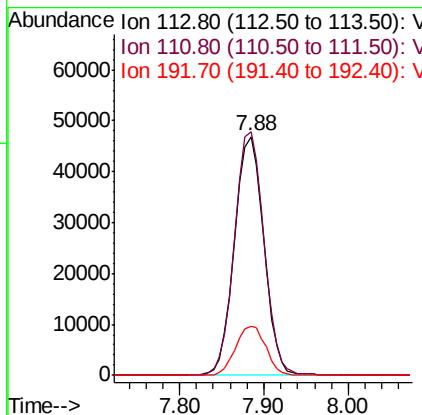
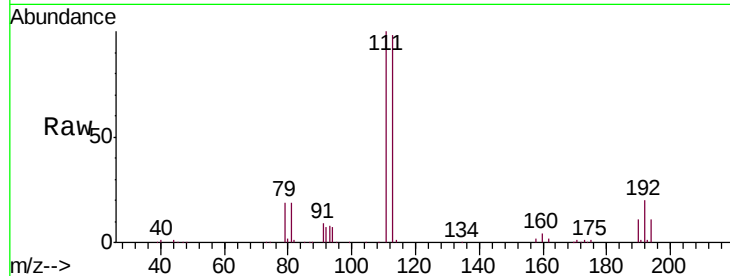
ClientSampleId :

SIDEWALL-4

Tgt Ion:	113	Resp:	110543
Ion Ratio	Lower	Upper	
113	100		
111	102.0	82.7	124.1
192	21.1	16.2	24.2

Manual Integrations
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#39

Methylcyclohexane

Concen: 14.047 ug/l

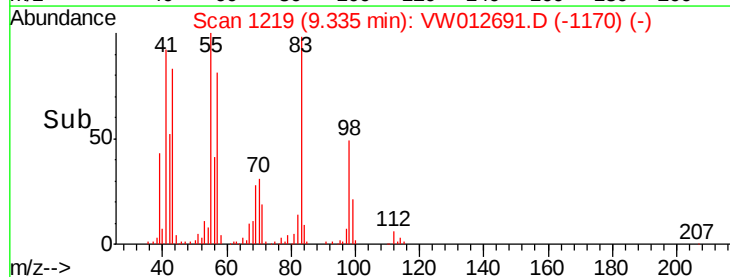
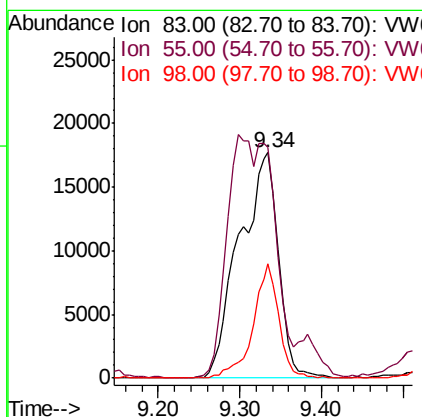
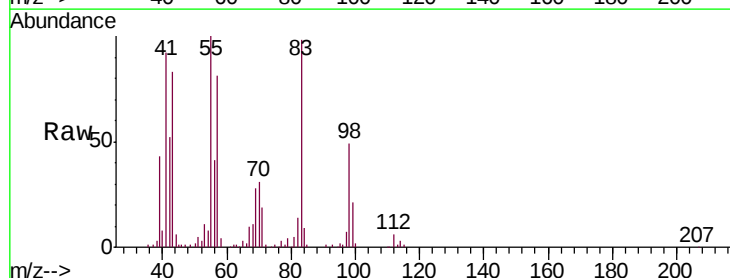
RT: 9.34 min Scan# 1219

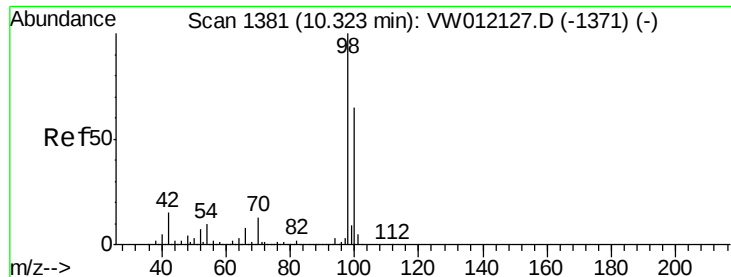
Delta R.T. -0.00 min

Lab File: VW012691.D

Acq: 06 Sep 2019 15:07

Tgt Ion:	83	Resp:	59164
Ion Ratio	Lower	Upper	
83	100		
55	102.0	71.8	107.8
98	50.4	37.8	56.8





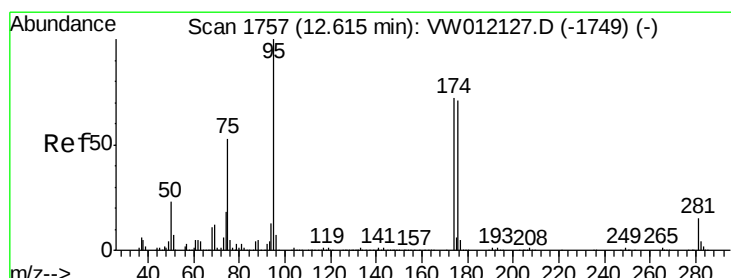
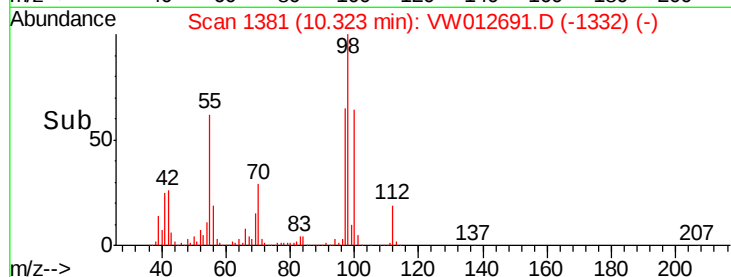
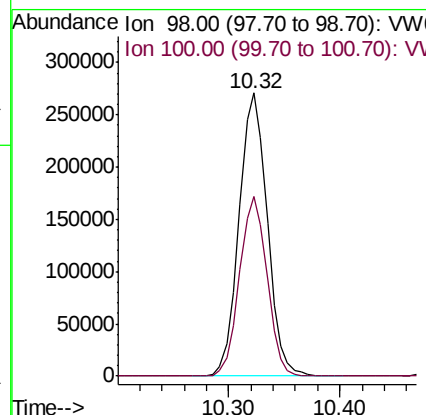
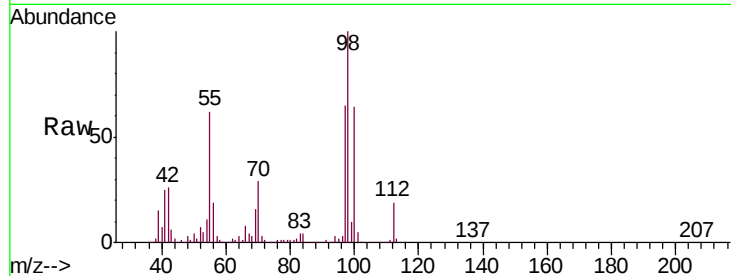
#50
Toluene-d8
Concen: 54.169 ug/l
RT: 10.32 min Scan# 1381
Delta R.T. -0.00 min
Lab File: VW012691.D
Acq: 06 Sep 2019 15:07

Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-4

Tgt Ion: 98 Resp: 475638
Ion Ratio Lower Upper
98 100
100 61.8 52.4 78.6

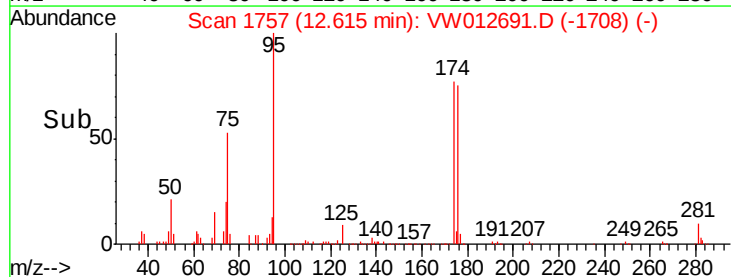
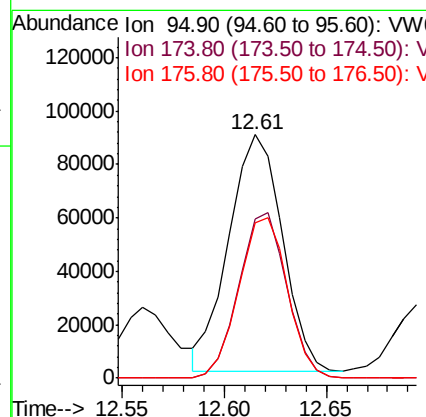
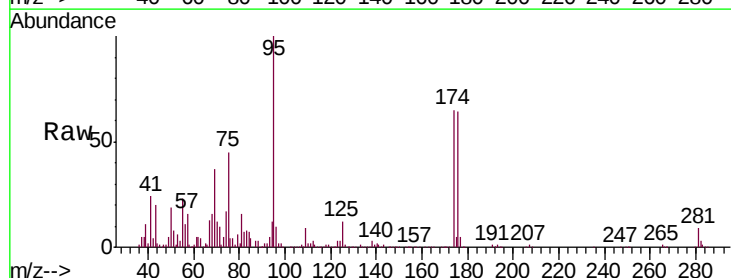
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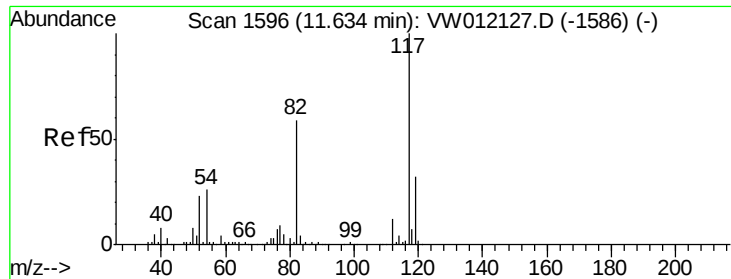
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#62
4-Bromofluorobenzene
Concen: 52.191 ug/l
RT: 12.61 min Scan# 1757
Delta R.T. -0.00 min
Lab File: VW012691.D
Acq: 06 Sep 2019 15:07

Tgt Ion: 95 Resp: 161540
Ion Ratio Lower Upper
95 100
174 62.6 0.0 150.8
176 62.0 0.0 148.6





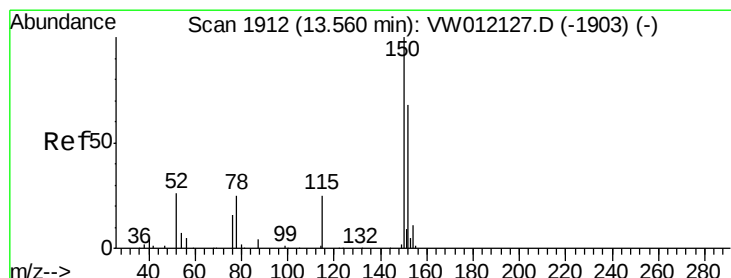
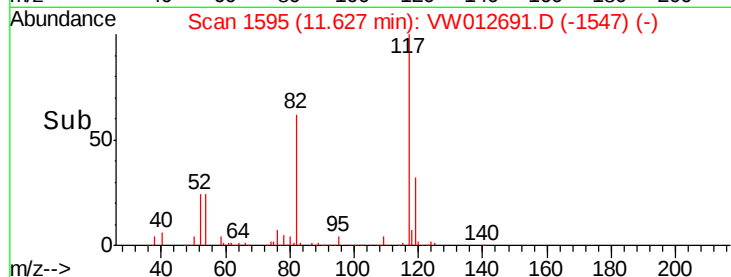
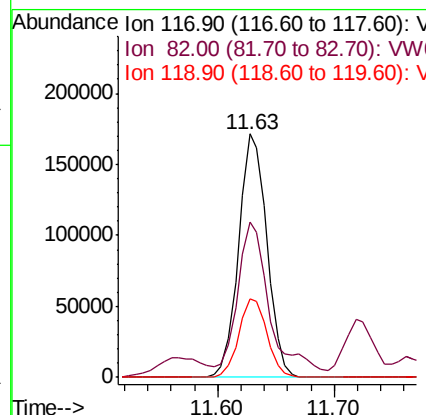
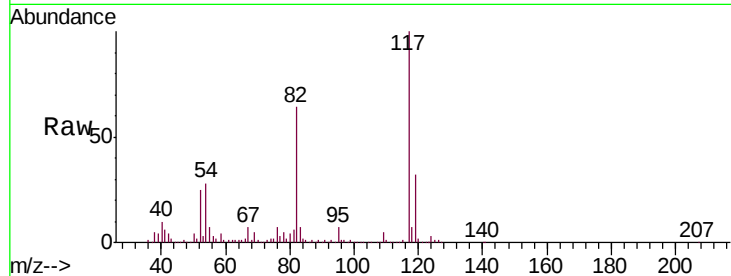
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.63 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VW012691.D
Acq: 06 Sep 2019 15:07

Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-4

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	289776		
82	56.1	47.4	71.2	
119	32.4	25.4	38.2	

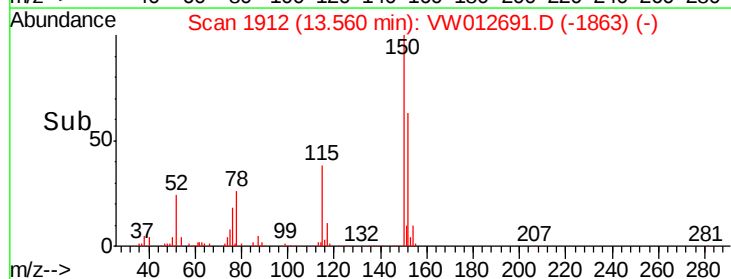
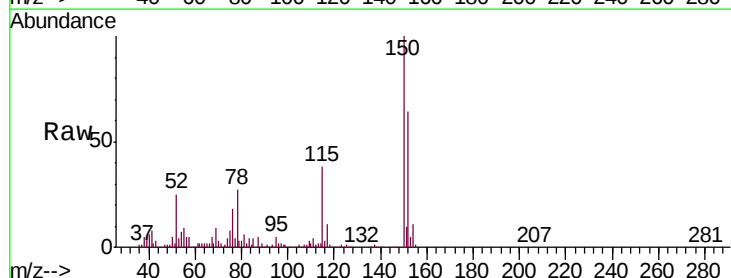
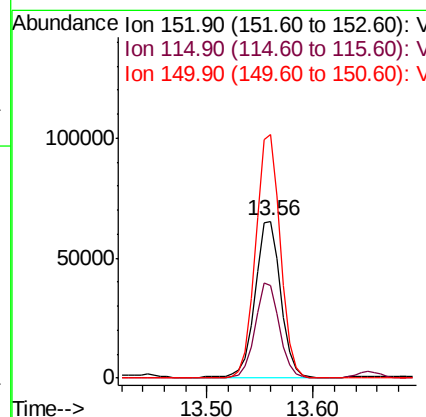
Manual Integrations
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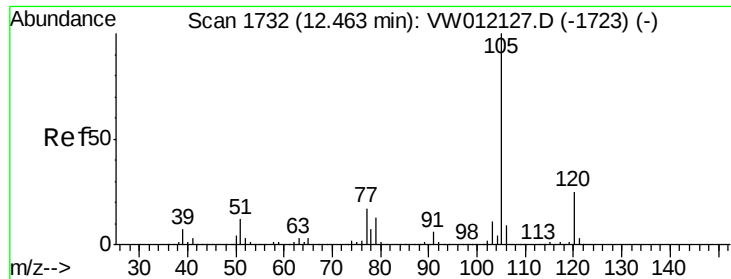
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.56 min Scan# 1912
Delta R.T. -0.00 min
Lab File: VW012691.D
Acq: 06 Sep 2019 15:07

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	109596		
115	57.2	30.1	90.3	
150	149.6	0.0	345.8	





#73

Isopropylbenzene

Concen: 1.931 ug/l

RT: 12.46 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VW012691.D

Acq: 06 Sep 2019 15:07

Instrument :

MSVOA_W

ClientSampleId :

SIDEWALL-4

Tgt Ion: 105 Resp: 15854

Ion Ratio Lower Upper

105 100

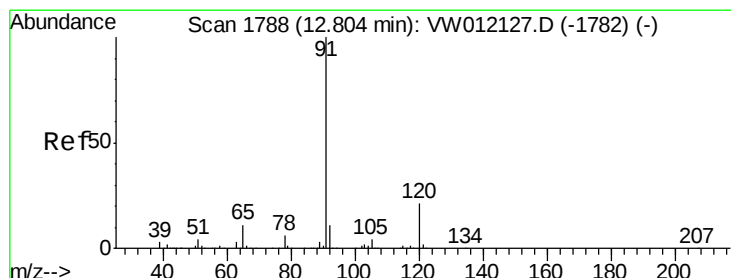
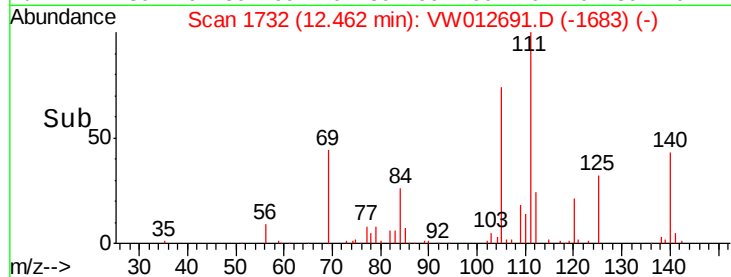
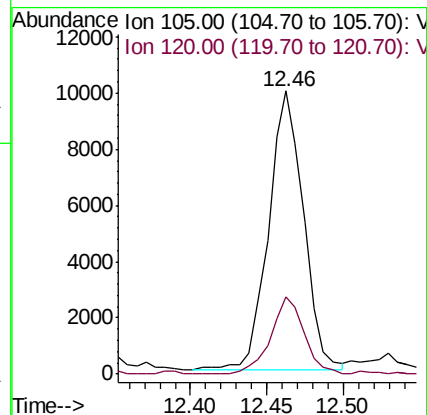
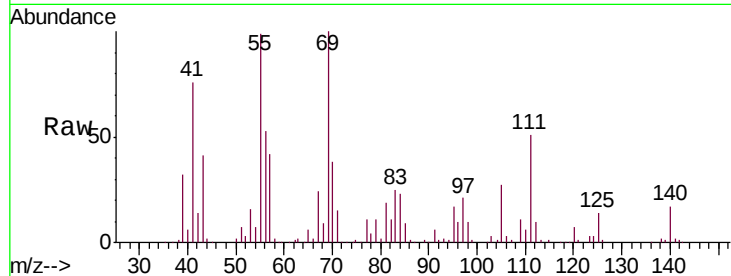
120 26.2 12.5 37.5

Manual Integrations

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#78

n-propylbenzene

Concen: 2.134 ug/l

RT: 12.80 min Scan# 1788

Delta R.T. -0.00 min

Lab File: VW012691.D

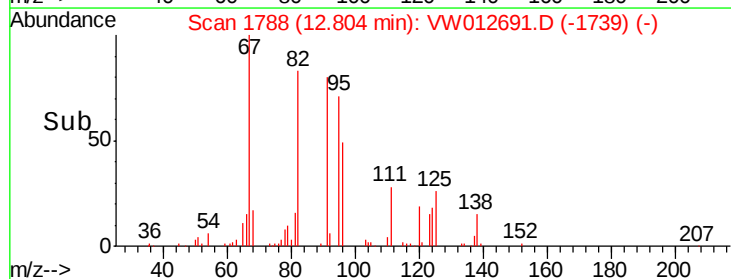
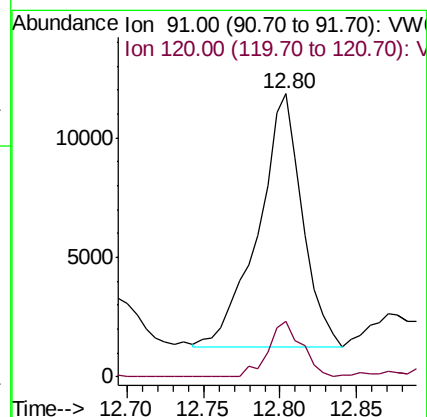
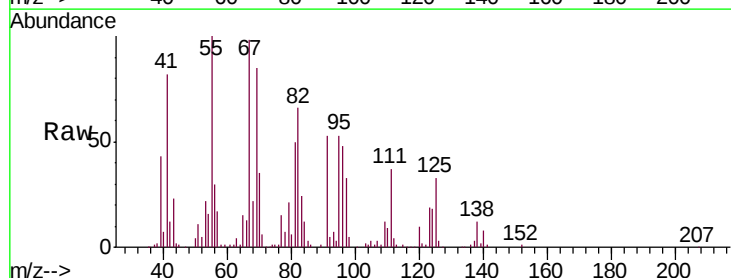
Acq: 06 Sep 2019 15:07

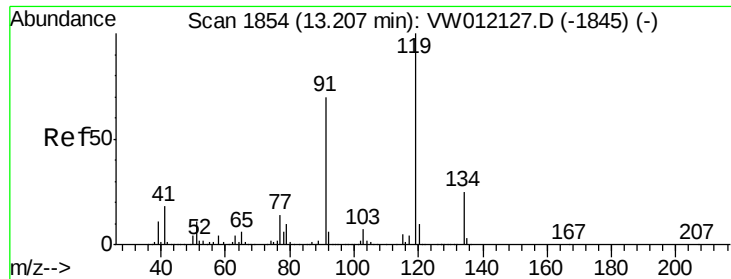
Tgt Ion: 91 Resp: 21392

Ion Ratio Lower Upper

91 100

120 16.6 10.5 31.6





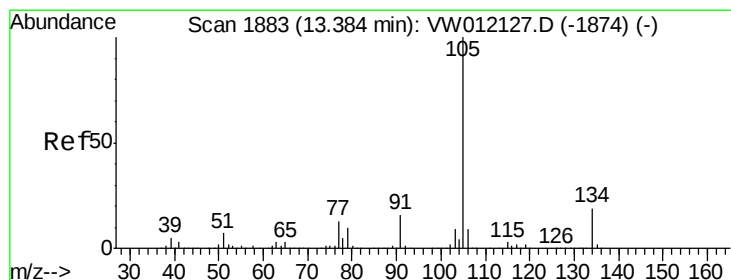
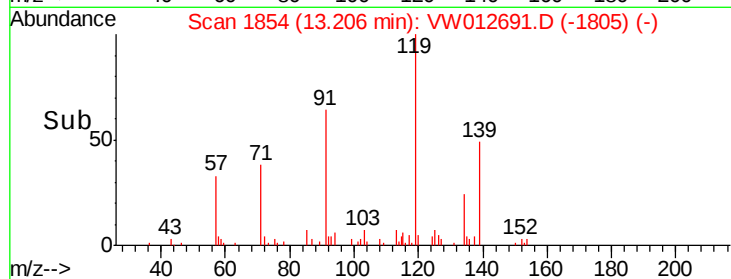
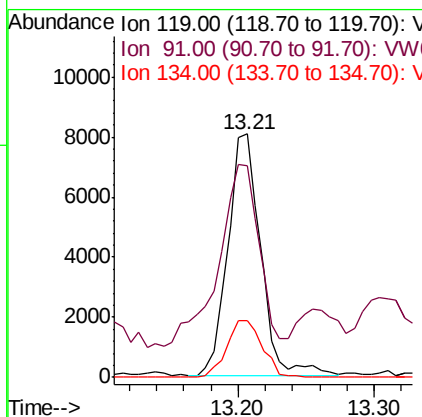
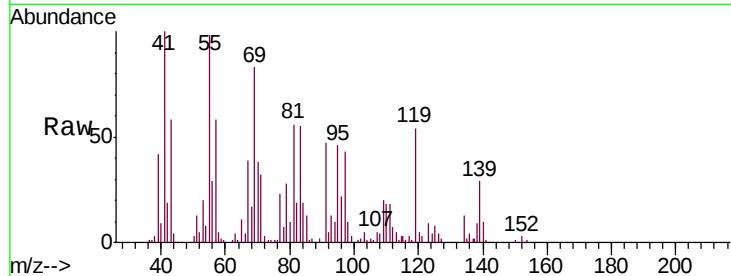
#83
tert-Butylbenzene
Concen: 2.338 ug/l
RT: 13.21 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VW012691.D
Acq: 06 Sep 2019 15:07

Instrument :
MSVOA_W
ClientSampled :
SIDEWALL-4

Tgt Ion	Ratio	Lower	Upper
119	100		
91	90.8	34.8	104.3
134	25.1	13.3	39.8

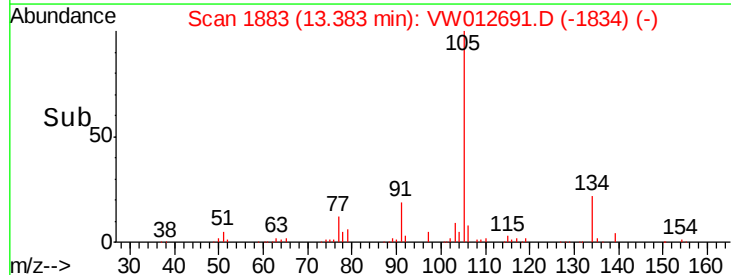
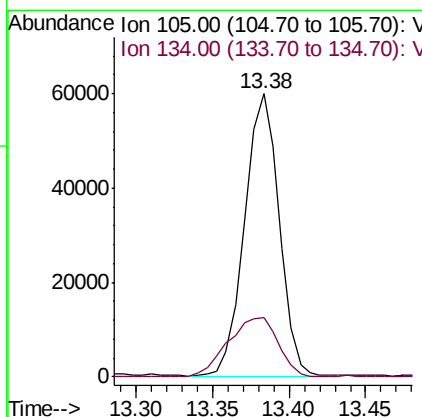
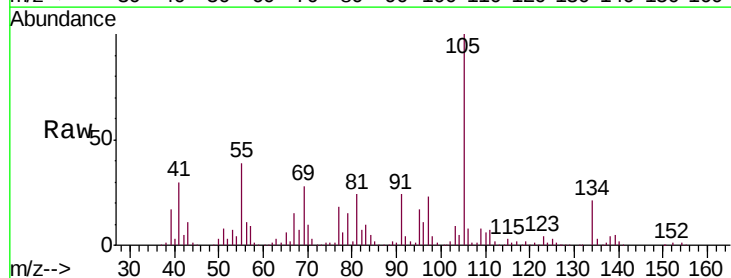
Manual Integrations
APPROVED

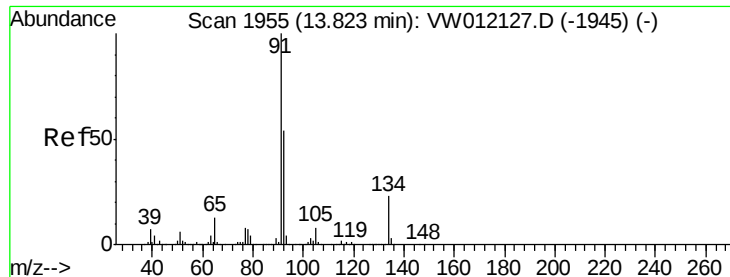
MMDadoda
9/9/2019 4:45:14 AM



#85
sec-Butylbenzene
Concen: 11.266 ug/l
RT: 13.38 min Scan# 1883
Delta R.T. -0.00 min
Lab File: VW012691.D
Acq: 06 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
105	100		
134	30.7	9.8	29.4#





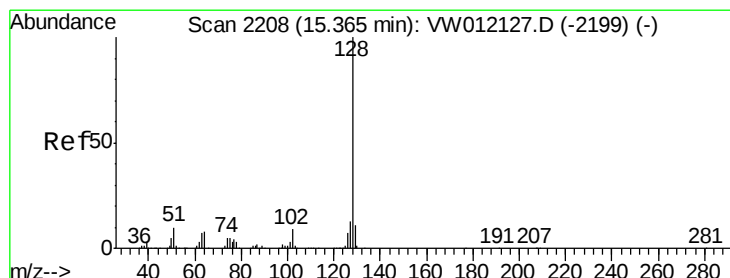
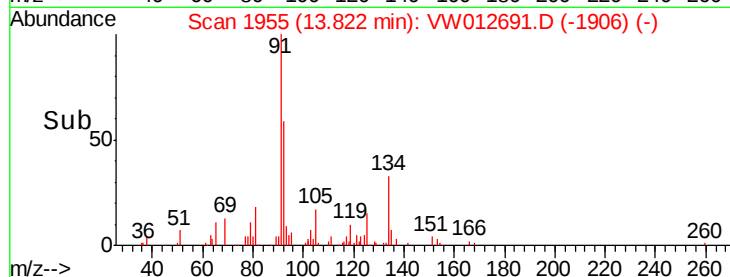
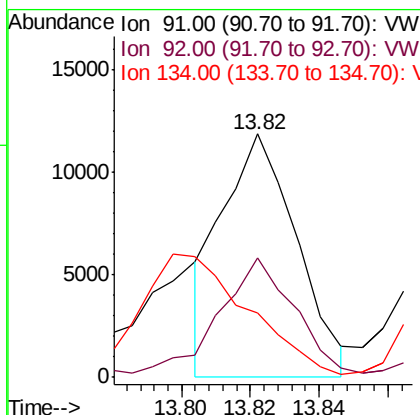
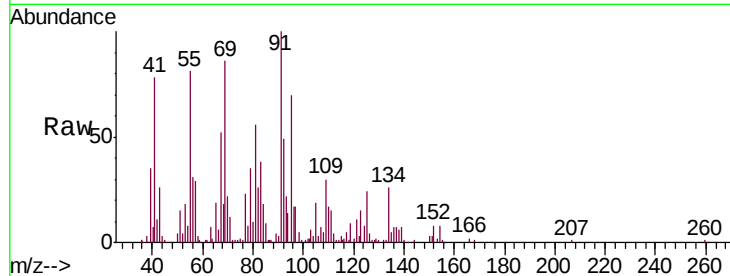
#89
n-Butylbenzene
Concen: 2.432 ug/l m
RT: 13.82 min Scan# 1955
Delta R.T. -0.00 min
Lab File: VW012691.D
Acq: 06 Sep 2019 15:07

Instrument :
MSVOA_W
ClientSampleId :
SIDEWALL-4

Tgt Ion	Ratio	Lower	Upper
91	100		
92	46.3	27.1	81.2
134	0.0	12.2	36.4#

Manual Integrations
APPROVED

MMDadoda
9/9/2019 4:45:14 AM



#95
Naphthalene
Concen: 15.049 ug/l
RT: 15.36 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VW012691.D
Acq: 06 Sep 2019 15:07

Tgt Ion	Ratio	Lower	Upper
128	100		
127	11.7	10.7	16.1
129	8.4	8.7	13.1#

