

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033909.D
 Acq On : 13 Jun 2019 22:48
 Operator : SY/AP
 Sample : K3357-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3R-20190612DL

Manual Integrations
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 6/17/2019 12:37:14 AM

Quant Time: Jun 14 12:04:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 0
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	1122863	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2523004	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2522621	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1854357	8.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	89.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	61011	1.233	ppbv	91
13) Ethanol	3.64	45	66597	4.138	ppbv	98
15) Acetone	3.89	43	9206661	56.219	ppbv #	87
17) tert-Butyl alcohol	4.35	59	350602	2.739	ppbv	97
19) Isopropyl Alcohol	4.01	45	361647	3.866	ppbv #	94
34) 2-Butanone	5.31	43	822523	5.779	ppbv	98
36) Benzene	6.99	78	41753	0.217	ppbv	95
51) 2-Hexanone	10.27	43	68592m	0.414	ppbv	
52) Tetrachloroethene	11.36	164	29522m	0.435	ppbv	
53) Toluene	9.93	91	105607	0.495	ppbv	100
59) m/p-Xylene	13.10	91	34331m	0.133	ppbv	
64) n-propylbenzene	15.70	120	12553	0.136	ppbv	98
72) 4-Ethyltoluene	15.98	105	75585	0.249	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.14	105	49578m	0.166	ppbv	
74) 1,2,4-Trimethylbenzene	16.91	105	120856	0.350	ppbv #	74

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

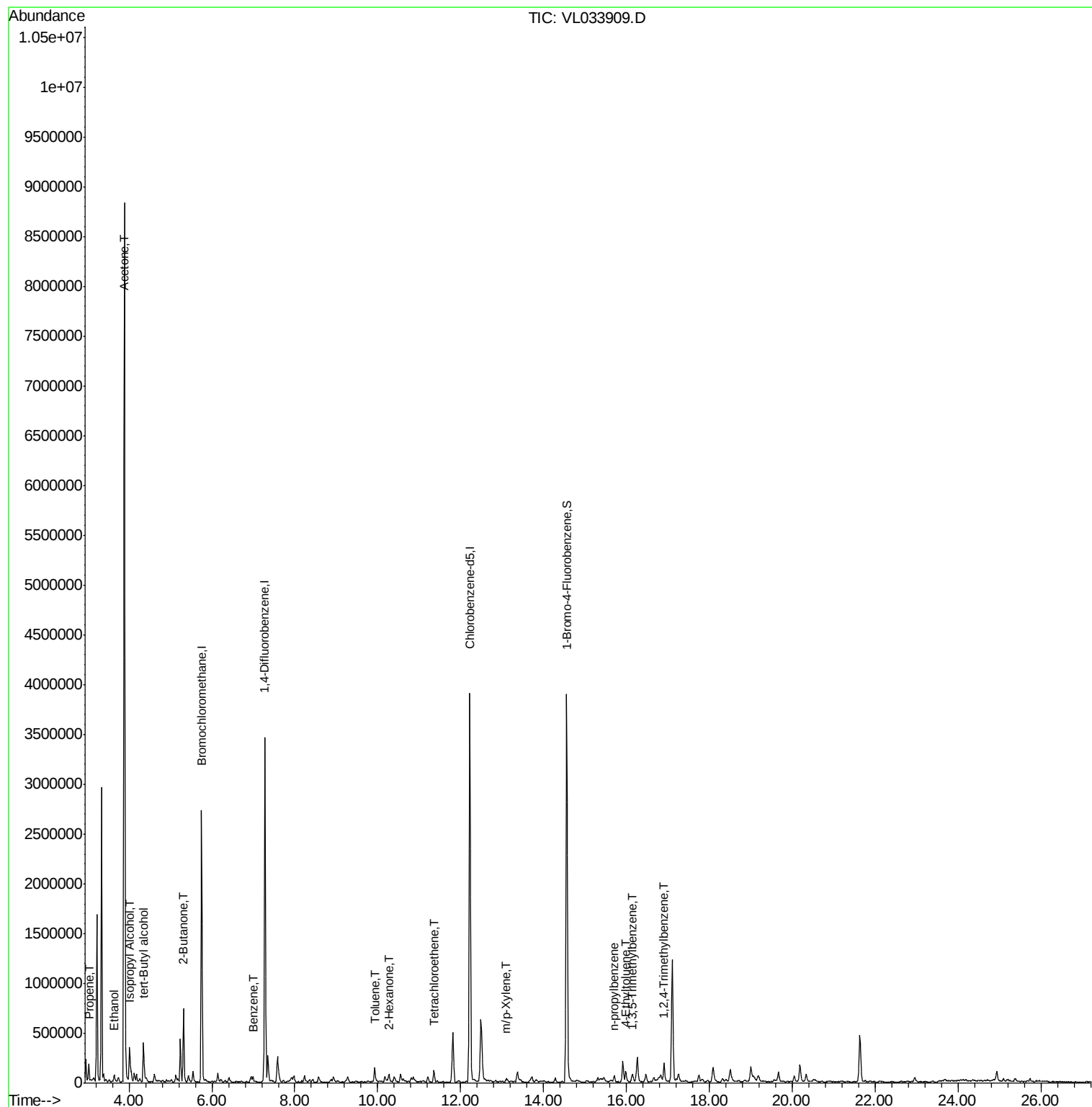
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061319\
Data File : VL033909.D
Acq On : 13 Jun 2019 22:48
Operator : SY/AP
Sample : K3357-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

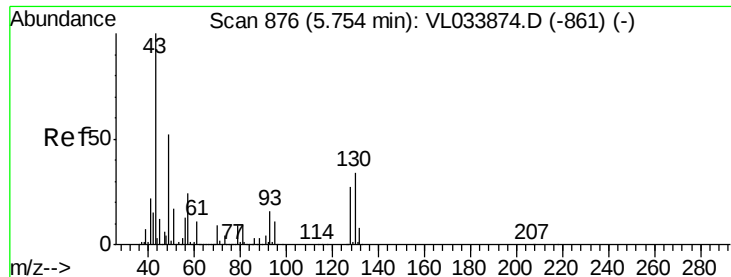
Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612DL

Manual Integrations
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6/17/2019 12:37:14 AM

Quant Time: Jun 14 12:04:06 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

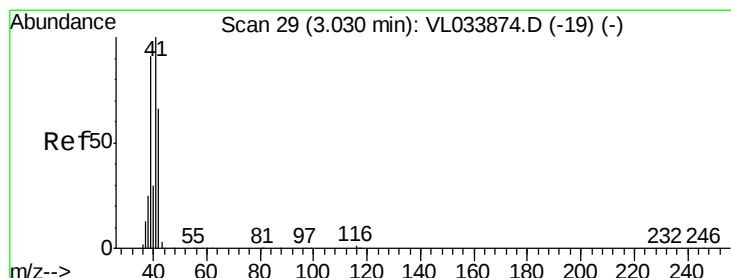
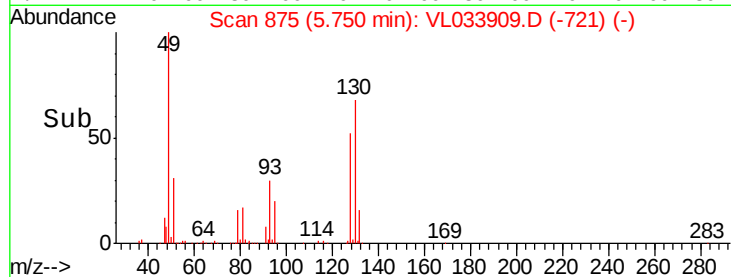
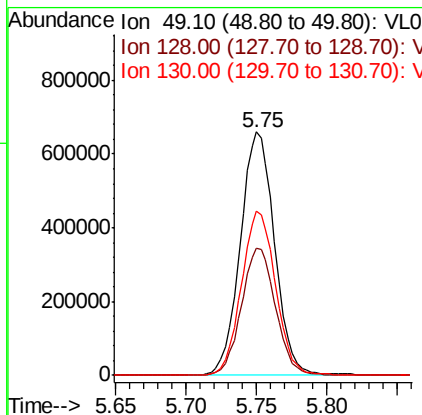
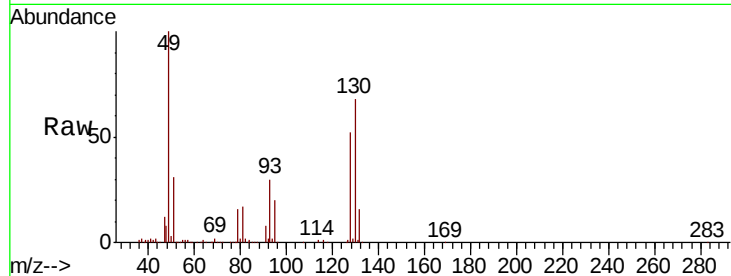
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.75 min Scan# 875
 Delta R.T. -0.00 min
 Lab File: VL033909.D
 Acq: 13 Jun 2019 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3R-20190612DL

Tot Ion: 49 Resp: 1122863
 Ion Ratio Lower Upper
 49 100
 128 52.4 25.5 76.5
 130 67.7 32.5 97.4

Manual Integrations
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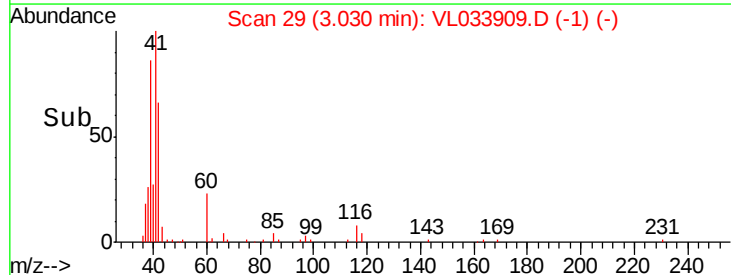
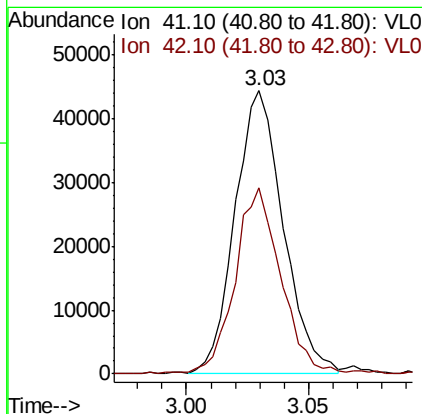
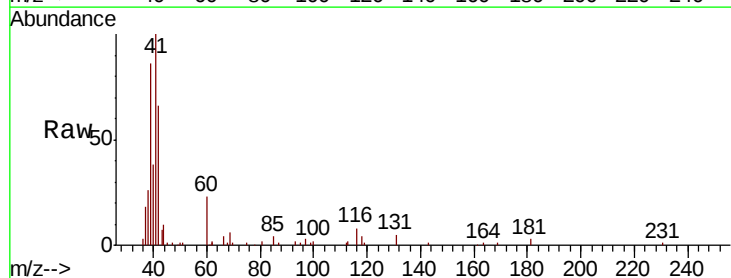
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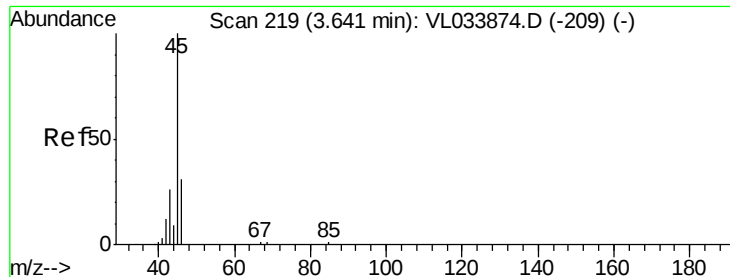


#9

Propene
 Concen: 1.233 ppbv
 RT: 3.03 min Scan# 29
 Delta R.T. -0.00 min
 Lab File: VL033909.D
 Acq: 13 Jun 2019 22:48

Tgt Ion: 41 Resp: 61011
 Ion Ratio Lower Upper
 41 100
 42 62.7 56.3 84.5





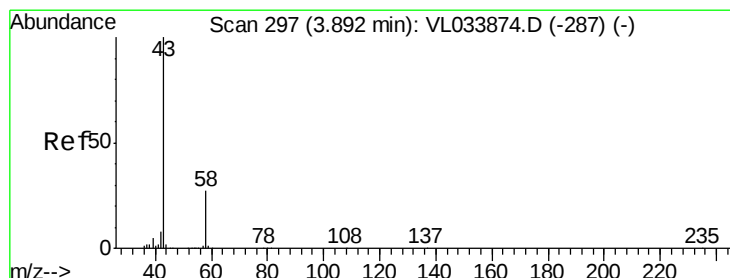
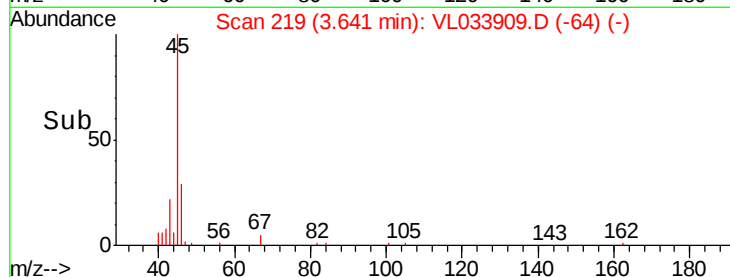
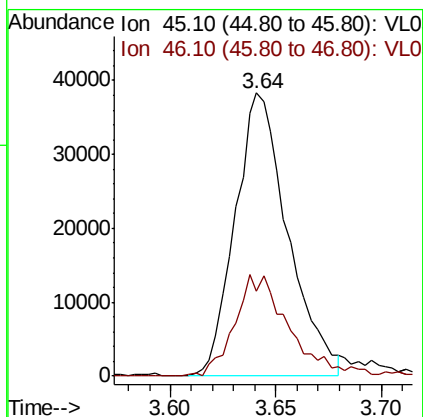
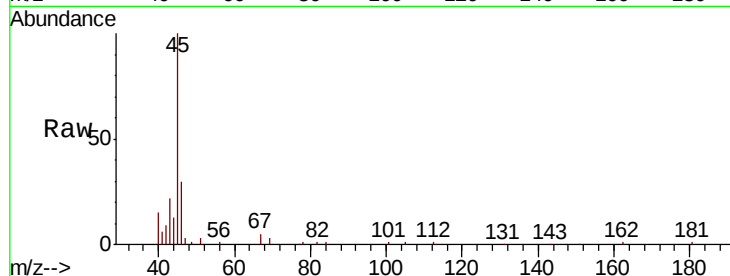
#13
Ethanol
Concen: 4.138 ppbv
RT: 3.64 min Scan# 219
Delta R.T. -0.00 min
Lab File: VL033909.D
Acq: 13 Jun 2019 22:48

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612DL

Tot Ion: 45 Resp: 66597
Ion Ratio Lower Upper
45 100
46 37.3 15.3 61.1

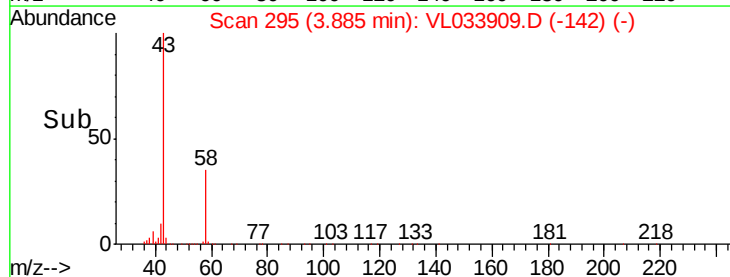
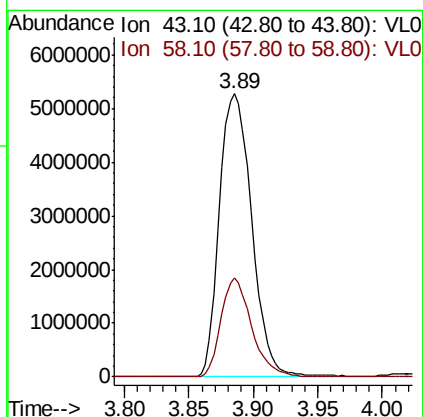
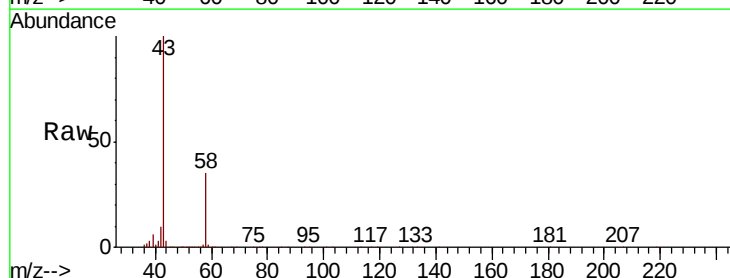
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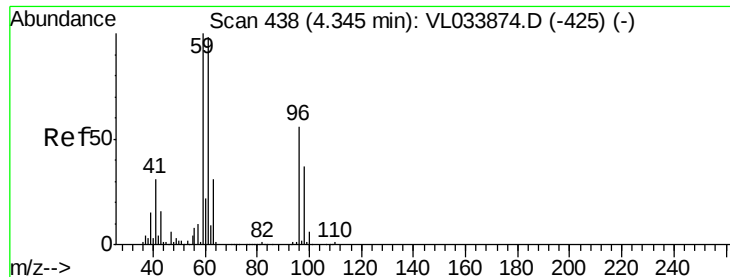
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#15
Acetone
Concen: 56.219 ppbv
RT: 3.89 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL033909.D
Acq: 13 Jun 2019 22:48

Tgt Ion: 43 Resp: 9206661
Ion Ratio Lower Upper
43 100
58 33.2 21.3 31.9#





#17

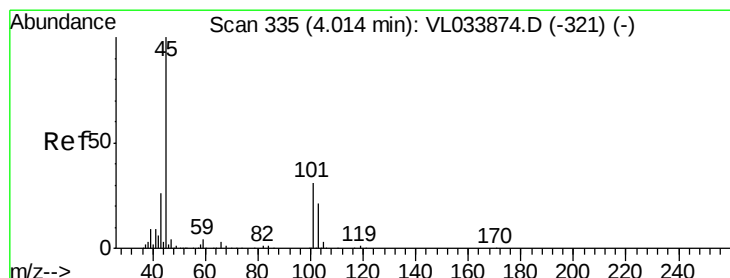
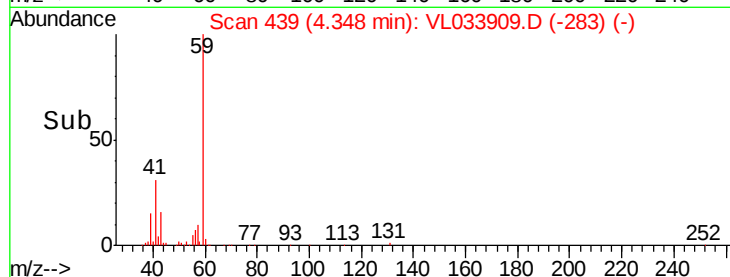
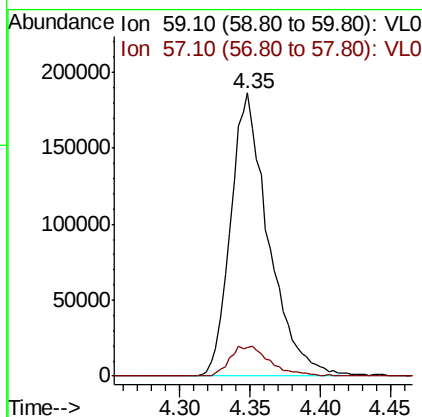
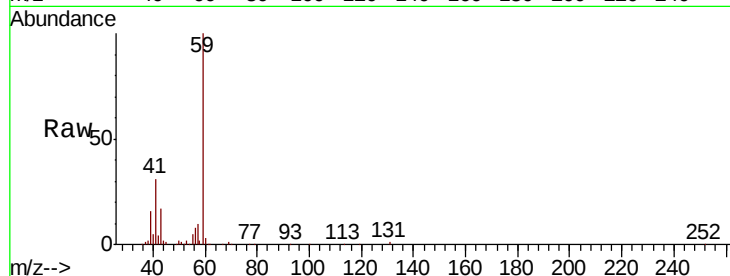
tert-Butyl alcohol
Concen: 2.739 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.00 min
Lab File: VL033909.D
Acq: 13 Jun 2019 22:48

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612DL

Tot Ion: 59 Resp: 350602
Ion Ratio Lower Upper
59 100
57 11.6 8.4 12.6

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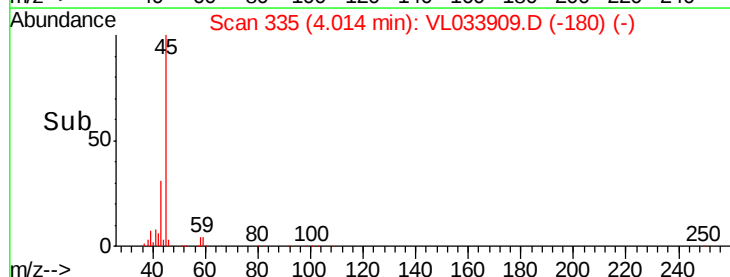
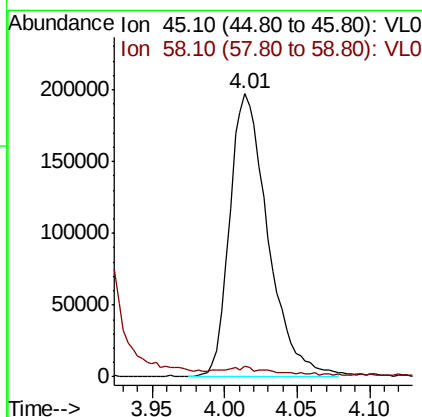
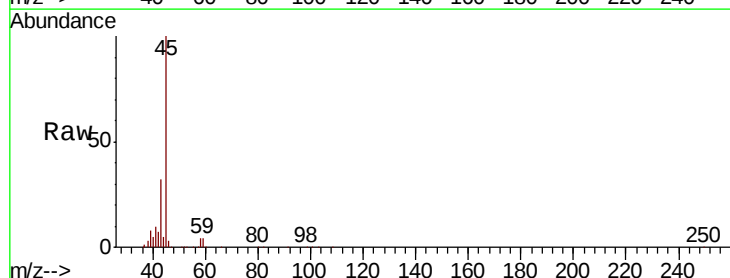
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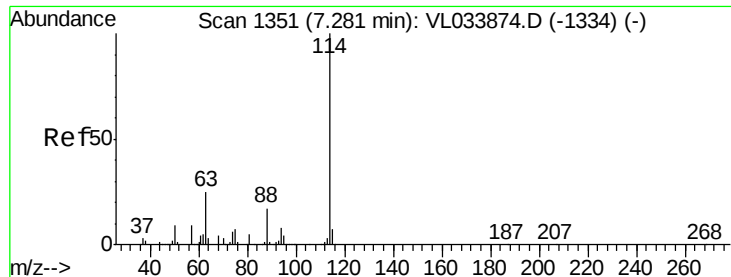


#19

Isopropyl Alcohol
Concen: 3.866 ppbv
RT: 4.01 min Scan# 335
Delta R.T. -0.00 min
Lab File: VL033909.D
Acq: 13 Jun 2019 22:48

Tgt Ion: 45 Resp: 361647
Ion Ratio Lower Upper
45 100
58 0.0 1.8 2.6#





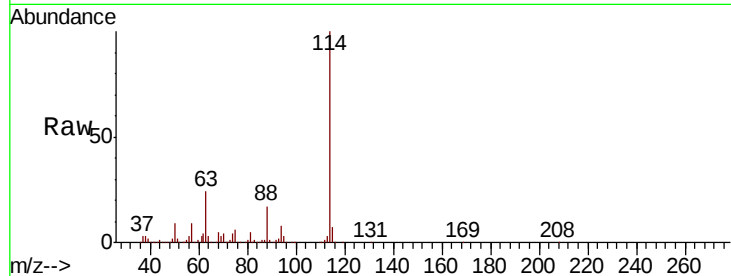
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1350
 Delta R.T. -0.00 min
 Lab File: VL033909.D
 Acq: 13 Jun 2019 22:48

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-3R-20190612DL

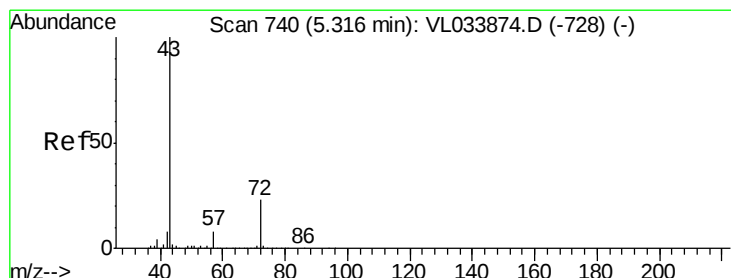
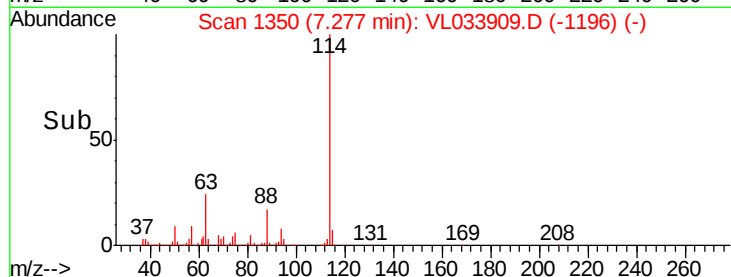
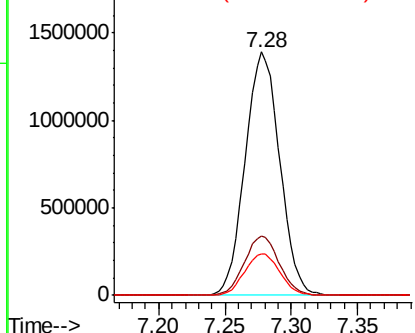
Tot Ion	Ratio	Lower	Upper
114	100		
63	24.6	21.1	31.7
88	17.4	14.2	21.4

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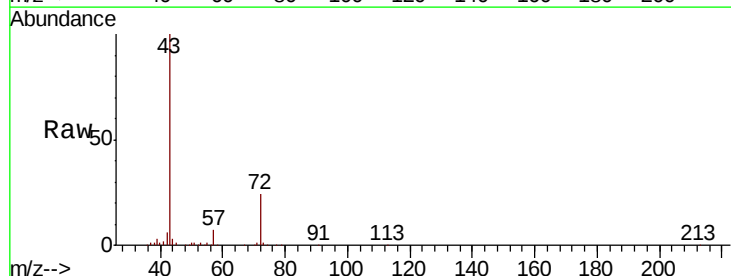


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

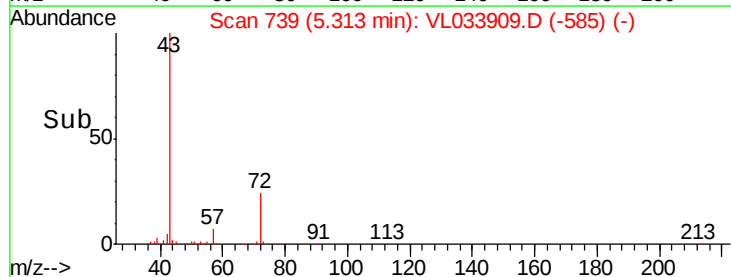
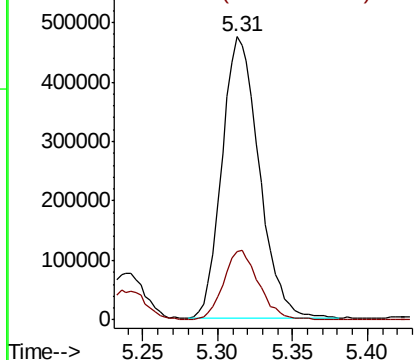


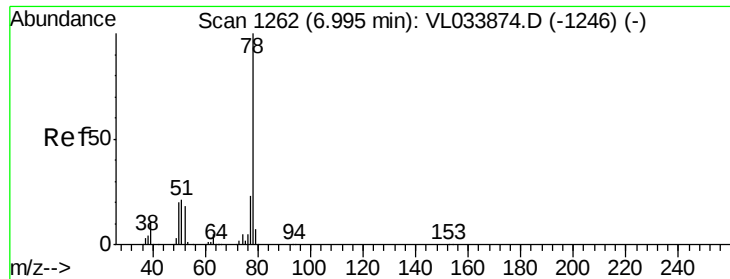
#34
 2-Butanone
 Concen: 5.779 ppbv
 RT: 5.31 min Scan# 739
 Delta R.T. -0.00 min
 Lab File: VL033909.D
 Acq: 13 Jun 2019 22:48

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.3	17.9	26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





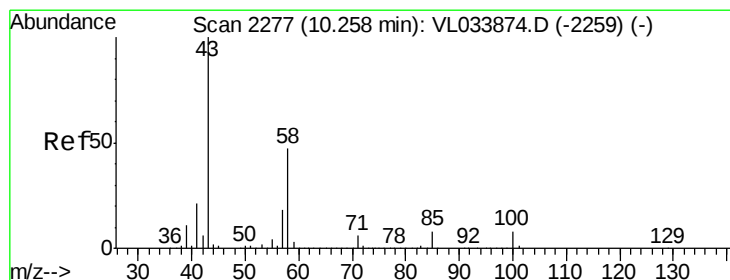
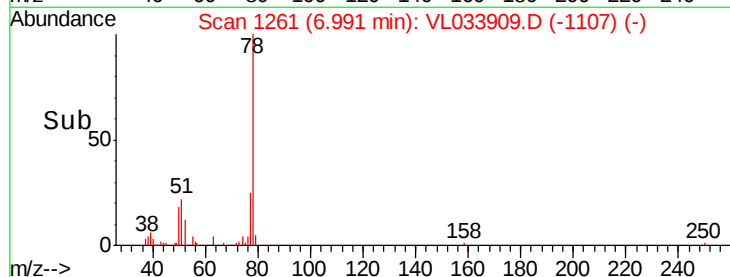
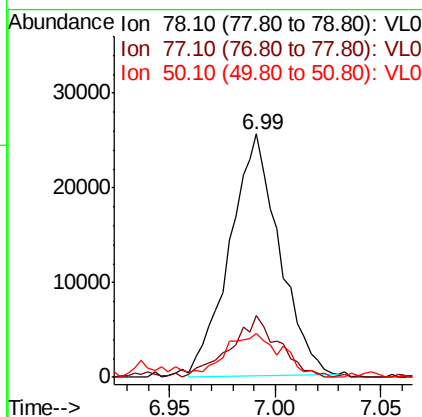
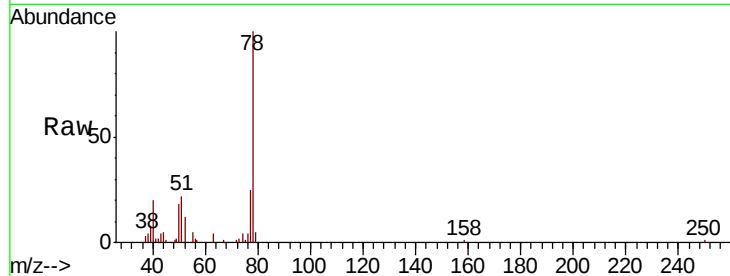
#36
Benzene
Concen: 0.217 ppbv
RT: 6.99 min Scan# 1261
Delta R.T. -0.00 min
Lab File: VL033909.D
Acq: 13 Jun 2019 22:48

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	24.3	18.2	27.2
50	16.9	15.9	23.9

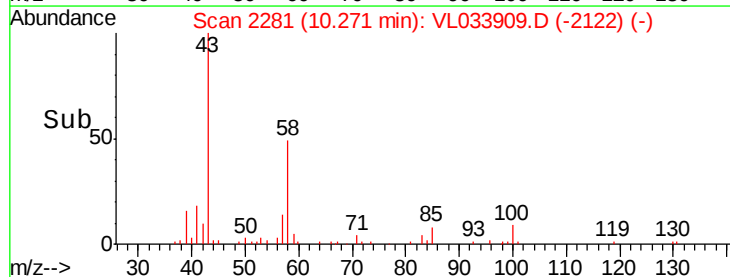
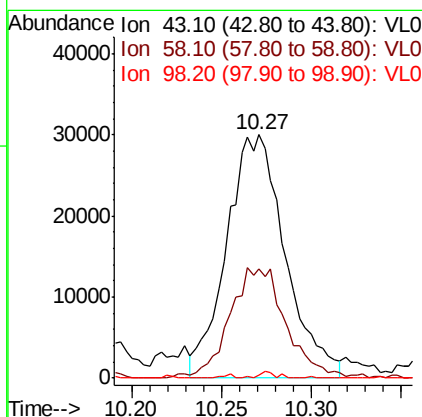
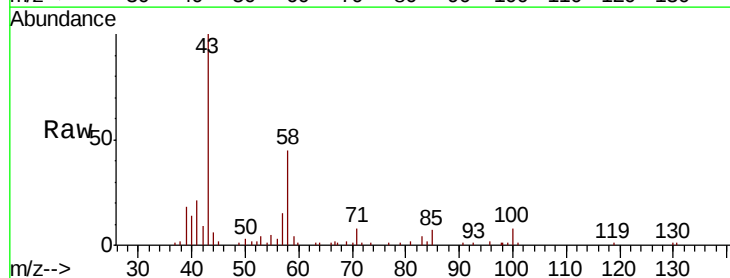
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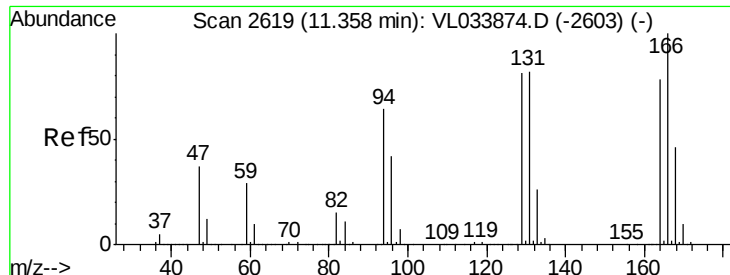
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#51
2-Hexanone
Concen: 0.414 ppbv m
RT: 10.27 min Scan# 2281
Delta R.T. 0.01 min
Lab File: VL033909.D
Acq: 13 Jun 2019 22:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	43.4	38.2	57.4
98	0.0	0.2	0.2#





#52

Tetrachloroethene

Concen: 0.435 ppbv m

RT: 11.36 min Scan# 2621

Delta R.T. 0.01 min

Lab File: VL033909.D

Acq: 13 Jun 2019 22:48

Instrument :

MSVOA_L

ClientSampleId :

SG-3R-20190612DL

Tot Ion:164 Resp: 29522

Ion Ratio Lower Upper

164 100

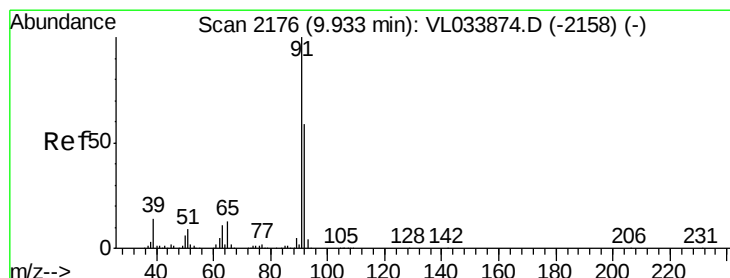
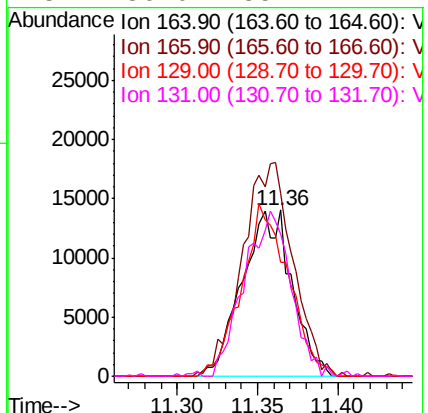
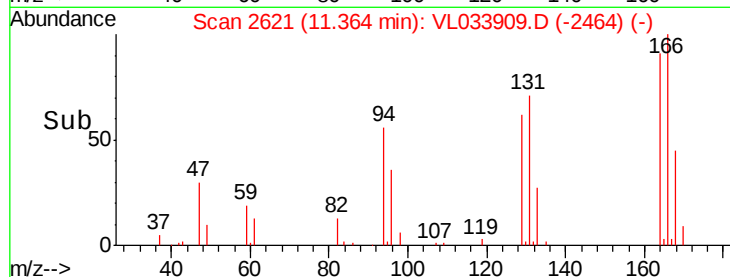
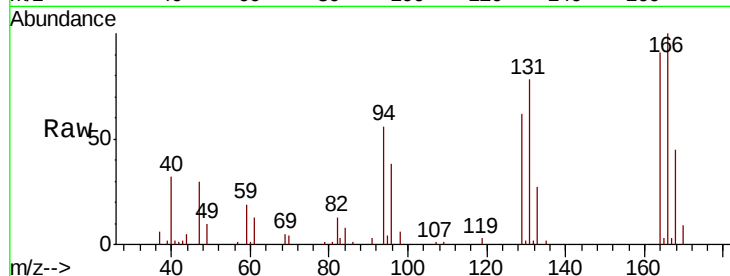
166 110.1 103.1 154.7

129 68.3 83.9 125.9#

131 86.0 85.1 127.7

Manual Integrations
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#53

Toluene

Concen: 0.495 ppbv

RT: 9.93 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL033909.D

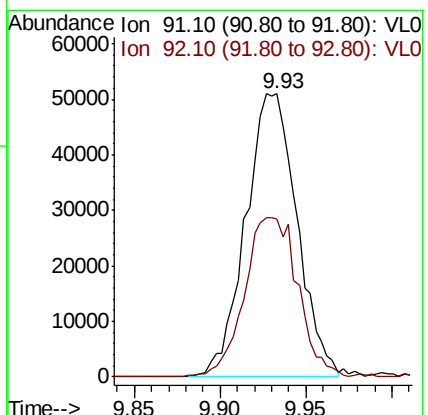
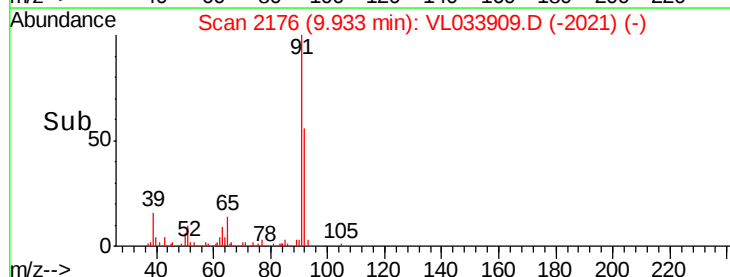
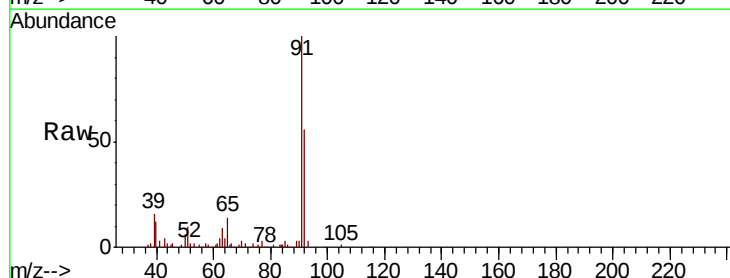
Acq: 13 Jun 2019 22:48

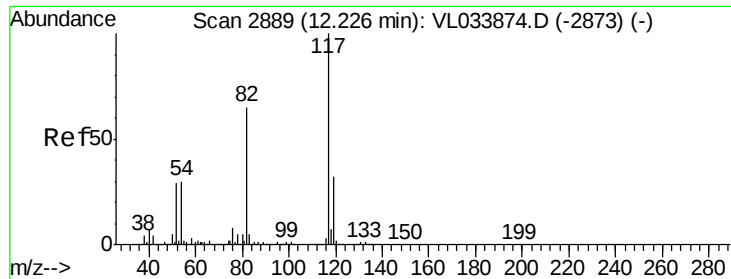
Tgt Ion: 91 Resp: 105607

Ion Ratio Lower Upper

91 100

92 58.8 47.0 70.6





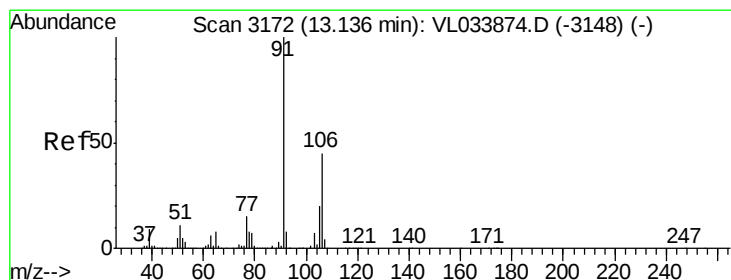
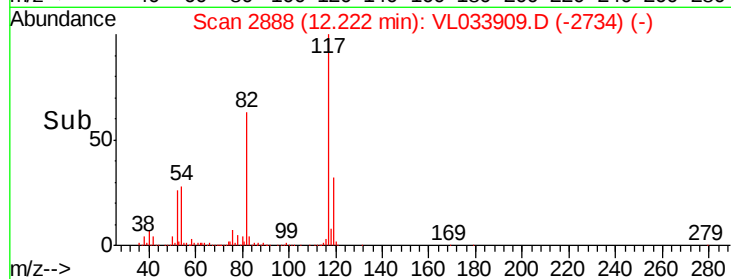
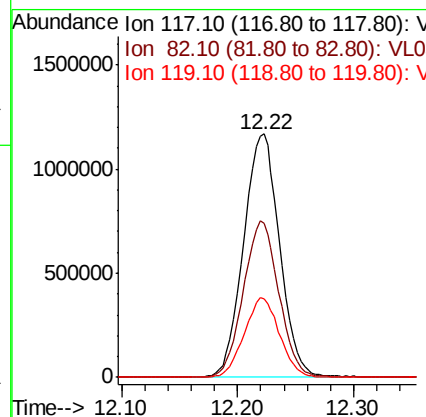
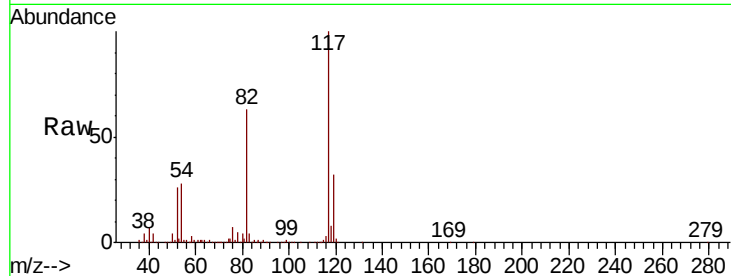
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.22 min Scan# 2888
Delta R.T. -0.00 min
Lab File: VL033909.D
Acq: 13 Jun 2019 22:48

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	64.0	50.2	75.2
119	32.5	24.8	37.2

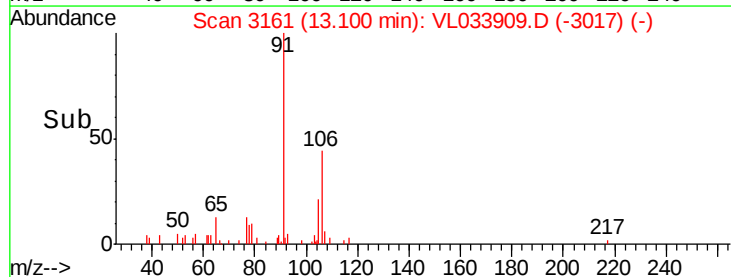
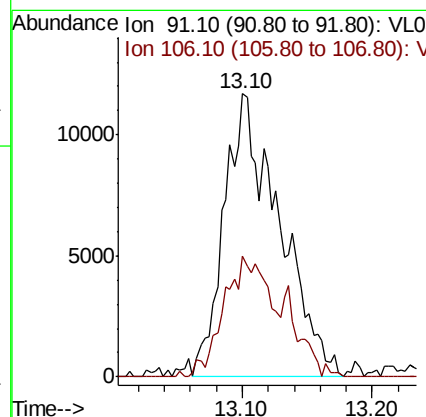
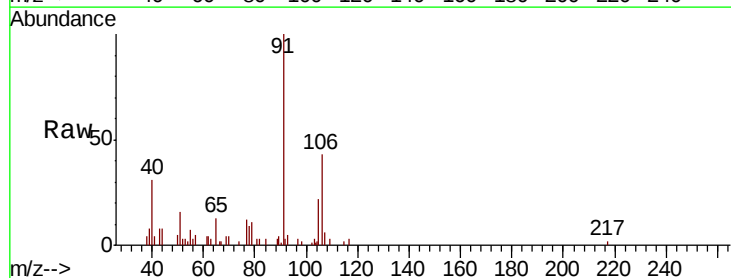
Manual Integrations
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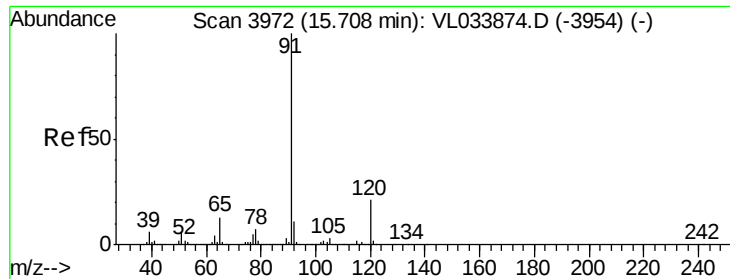
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#59
m/p-Xylene
Concen: 0.133 ppbv m
RT: 13.10 min Scan# 3161
Delta R.T. -0.04 min
Lab File: VL033909.D
Acq: 13 Jun 2019 22:48

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.8	53.8#





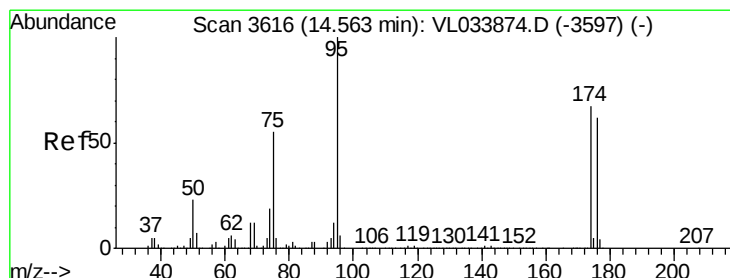
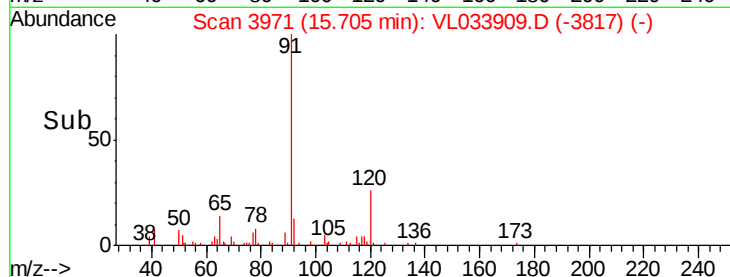
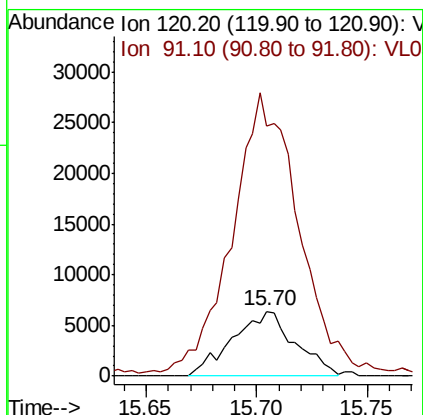
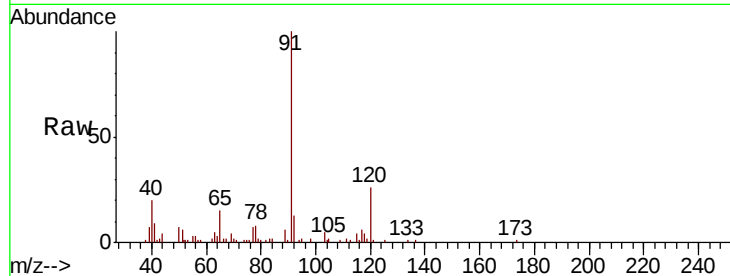
#64
n-propylbenzene
Concen: 0.136 ppbv
RT: 15.70 min Scan# 3971
Delta R.T. -0.00 min
Lab File: VL033909.D
Acq: 13 Jun 2019 22:48

Instrument :
MSVOA_L
ClientSampleId :
SG-3R-20190612DL

Tot Ion:120 Resp: 12553
Ion Ratio Lower Upper
120 100
91 489.2 387.0 580.6

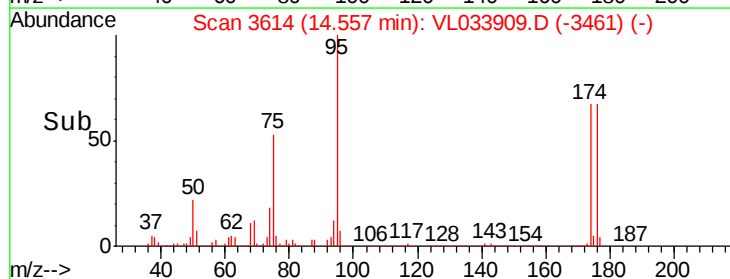
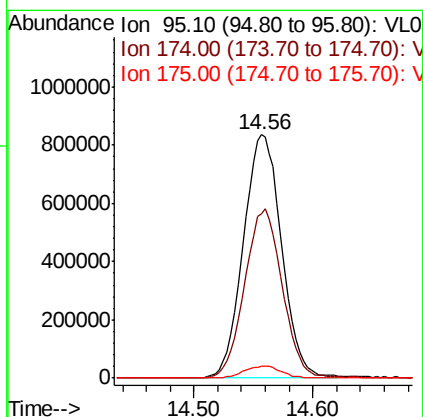
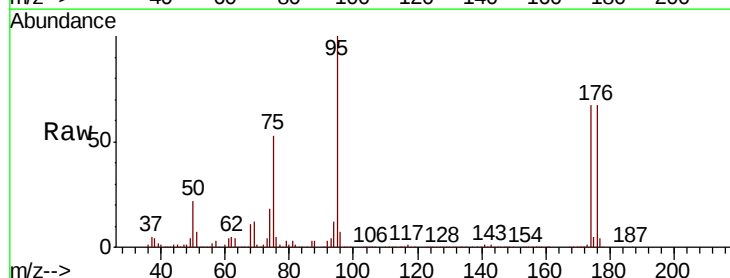
Manual Integrations
APPROVED

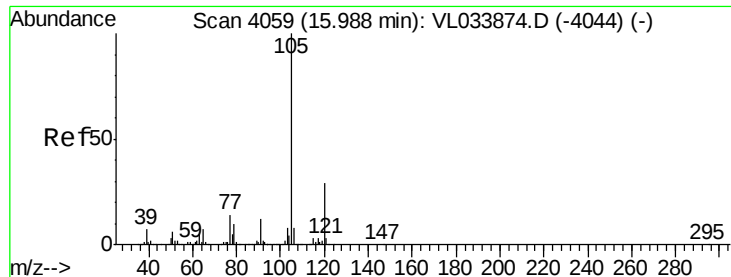
MMDadoda
6/17/2019 12:37:14 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 8.949 ppbv
RT: 14.56 min Scan# 3614
Delta R.T. -0.01 min
Lab File: VL033909.D
Acq: 13 Jun 2019 22:48

Tgt Ion: 95 Resp: 1854357
Ion Ratio Lower Upper
95 100
174 69.4 54.0 81.0
175 4.8 3.8 5.8





#72

4-Ethyltoluene

Concen: 0.249 ppbv

RT: 15.98 min Scan# 4057

Delta R.T. -0.01 min

Lab File: VL033909.D

Acq: 13 Jun 2019 22:48

Instrument :

MSVOA_L

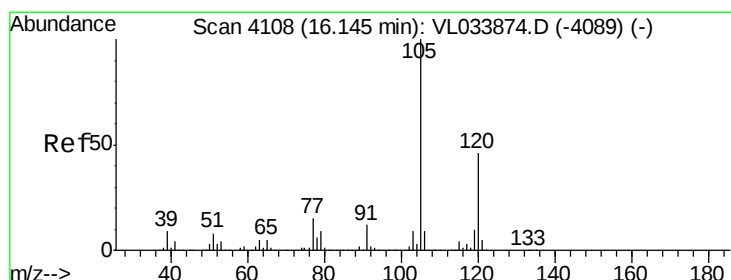
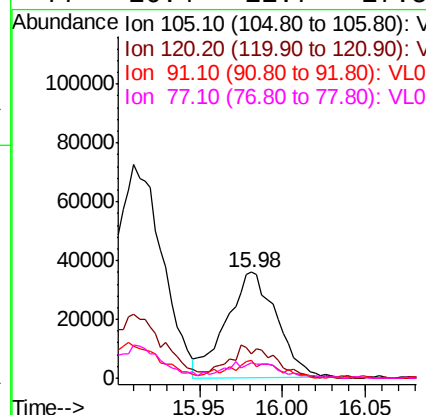
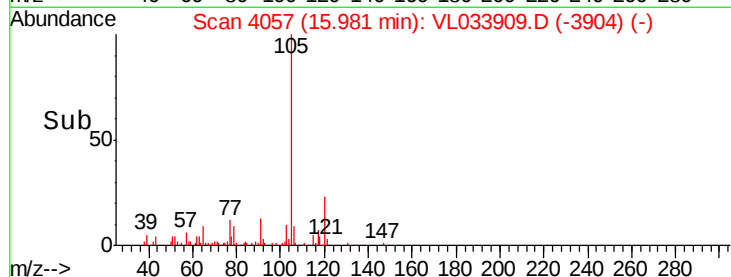
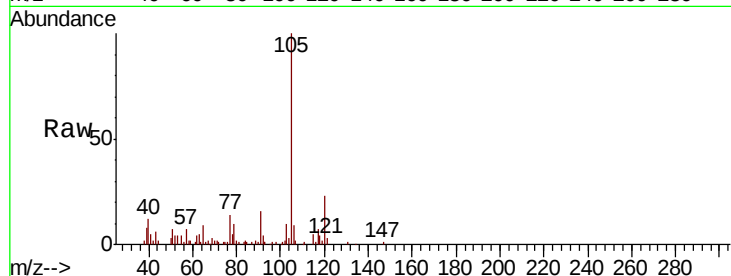
ClientSampleId :

SG-3R-20190612DL

Tot Ion:	105	Resp:	75585
Ion Ratio	Lower	Upper	
105	100		
120	28.2	23.5	35.3
91	18.5	10.4	15.6
77	16.4	11.7	17.5

Manual Integrations
APPROVED

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6/17/2019 12:37:14 AM



#73

1,3,5-Trimethylbenzene

Concen: 0.166 ppbv m

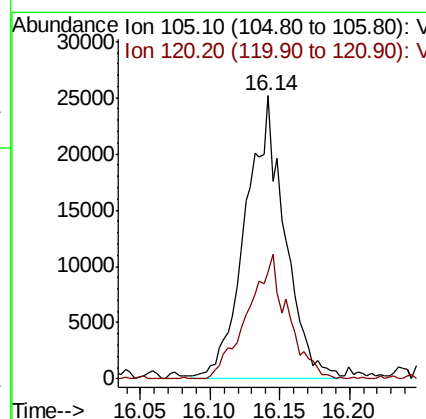
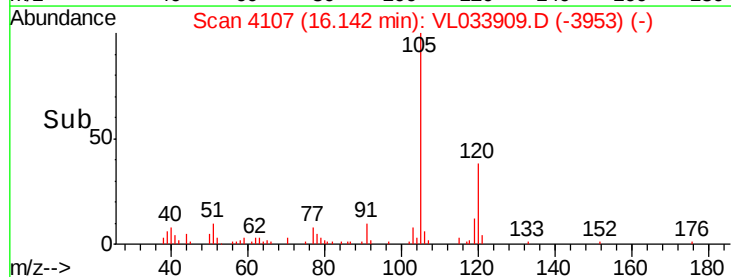
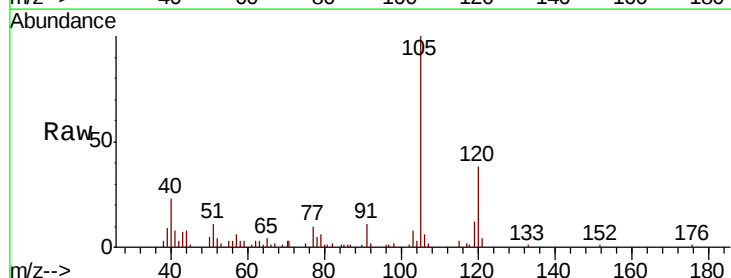
RT: 16.14 min Scan# 4107

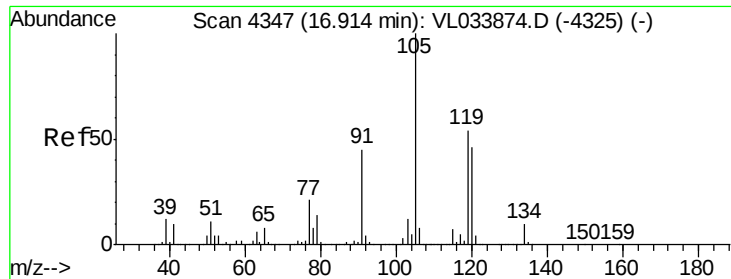
Delta R.T. -0.00 min

Lab File: VL033909.D

Acq: 13 Jun 2019 22:48

Tgt Ion:	105	Resp:	49578
Ion Ratio	Lower	Upper	
105	100		
120	37.9	37.1	55.7





#74

1,2,4-Trimethylbenzene

Concen: 0.350 ppbv

RT: 16.91 min Scan# 4345

Delta R.T. -0.01 min

Lab File: VL033909.D

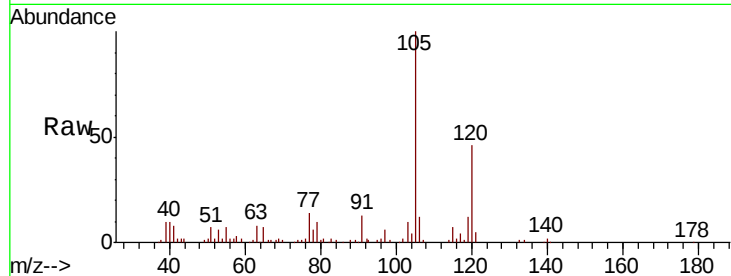
Acq: 13 Jun 2019 22:48

Instrument :

MSVOA_L

ClientSampleId :

SG-3R-20190612DL



Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	51.5	36.7	55.1
91	13.0	35.8	53.8#
77	14.5	16.9	25.3#

Manual Integrations
APPROVED

MMDadoda
6/17/2019 12:37:14 AM

