

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061319\
 Data File : VL033925.D
 Acq On : 14 Jun 2019 9:44
 Operator : SY/AP
 Sample : K3295-02DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V2DL

Manual Integrations
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 6/17/2019 12:37:45 AM

Quant Time: Jun 17 05:14:05 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	5.74	49	1016031	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.27	114	2593760	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.22	117	2726622	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1984707	8.86	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	88.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.03	41	34436	0.769	ppbv	100
13) Ethanol	3.64	45	3120389	214.289	ppbv	97
15) Acetone	3.89	43	2053620	13.859	ppbv	98
17) tert-Butyl alcohol	4.36	59	58542m	0.505	ppbv	
25) Ethyl Acetate	5.75	43	145696m	0.646	ppbv	
34) 2-Butanone	5.31	43	380790	2.602	ppbv	99
51) 2-Hexanone	10.27	43	64395	0.378	ppbv #	94
52) Tetrachloroethene	11.35	164	45941	0.659	ppbv	96
53) Toluene	9.92	91	713504	3.254	ppbv	99
59) m/p-Xylene	13.10	91	95299m	0.341	ppbv	
74) 1,2,4-Trimethylbenzene	16.91	105	63936m	0.171	ppbv	

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

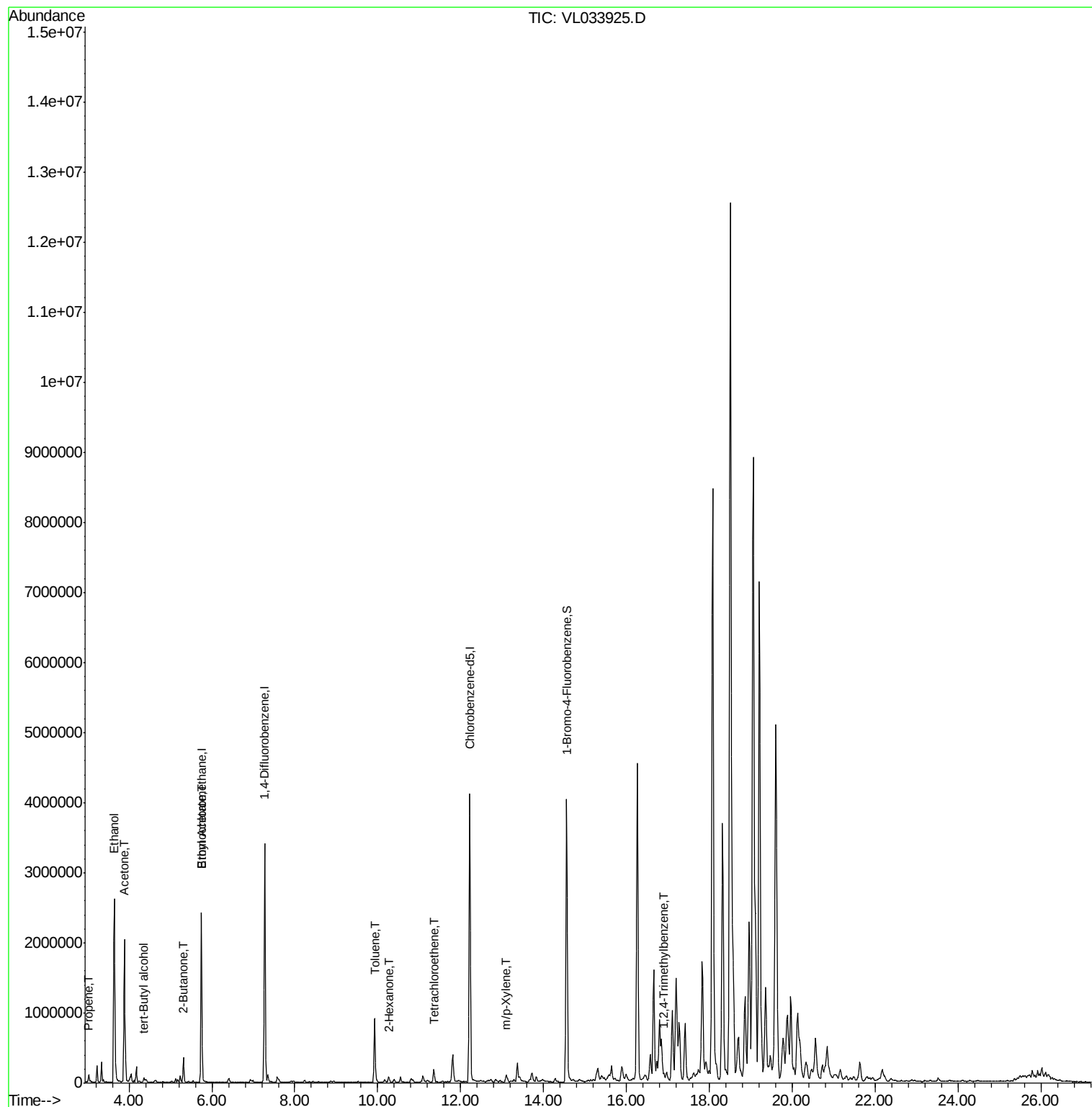
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL061319\
Data File : VL033925.D
Acq On : 14 Jun 2019 9:44
Operator : SY/AP
Sample : K3295-02DL 40X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

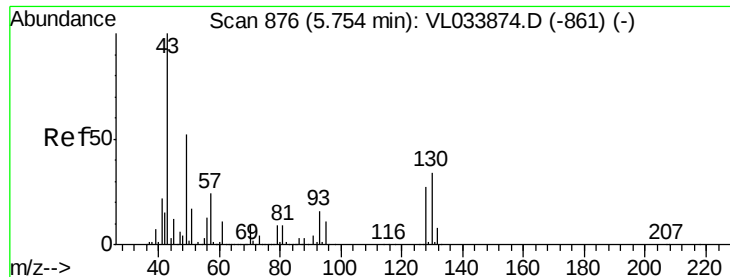
Instrument :
MSVOA_L
ClientSampleId :
V2DL

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Quant Time: Jun 17 05:14:05 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

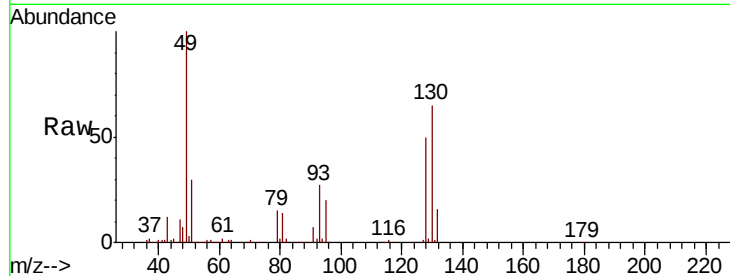
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.74 min Scan# 873
 Delta R.T. -0.01 min
 Lab File: VL033925.D
 Acq: 14 Jun 2019 9:44

Instrument :
 MSVOA_L
 ClientSampled :
 V2DL

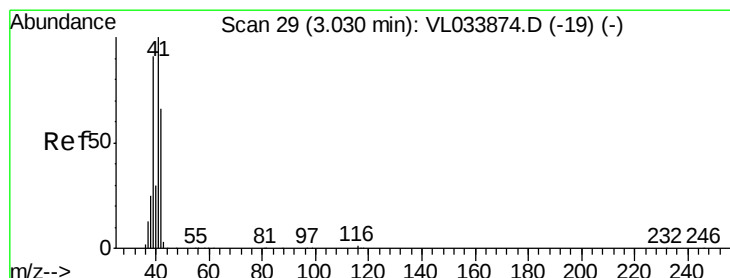
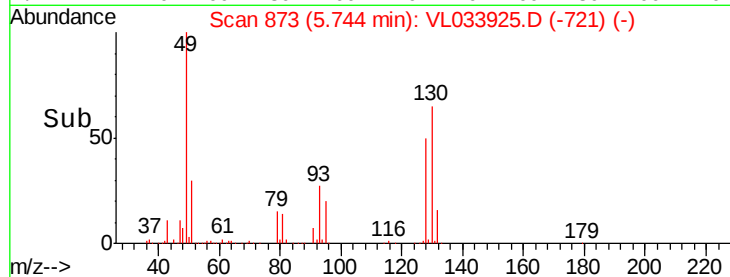
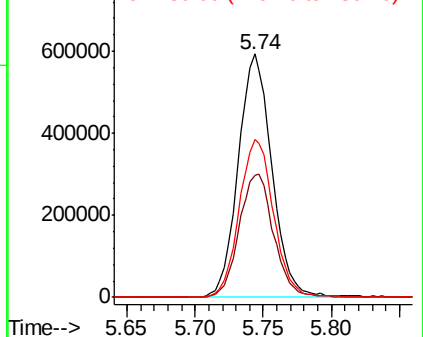
Tot Ion: 49 Resp: 1016031
 Ion Ratio Lower Upper
 49 100
 128 52.3 25.5 76.5
 130 66.9 32.5 97.4

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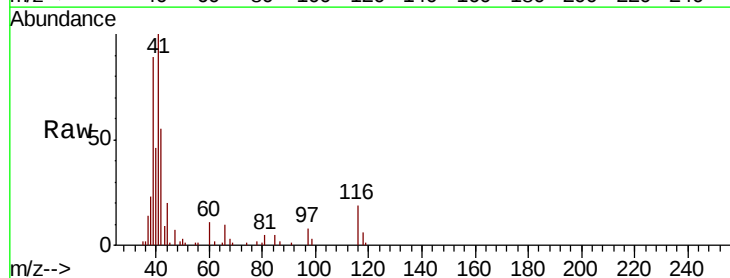
Abundance Ion 49.10 (48.80 to 49.80): VL0
 800000 Ion 128.00 (127.70 to 128.70): VL0
 Ion 130.00 (129.70 to 130.70): VL0



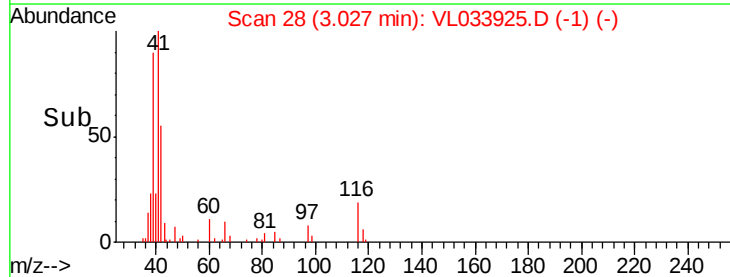
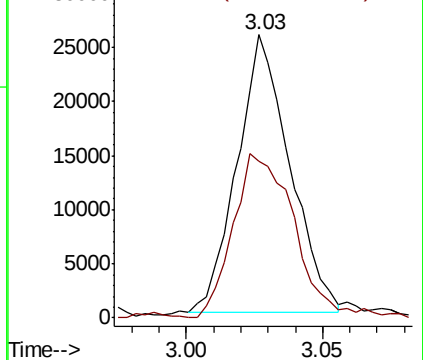
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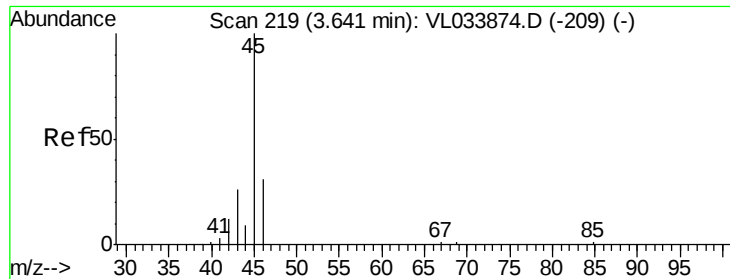
Propene
 Concen: 0.769 ppbv
 RT: 3.03 min Scan# 28
 Delta R.T. -0.00 min
 Lab File: VL033925.D
 Acq: 14 Jun 2019 9:44

Tgt Ion: 41 Resp: 34436
 Ion Ratio Lower Upper
 41 100
 42 70.5 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0
 30000 Ion 42.10 (41.80 to 42.80): VL0





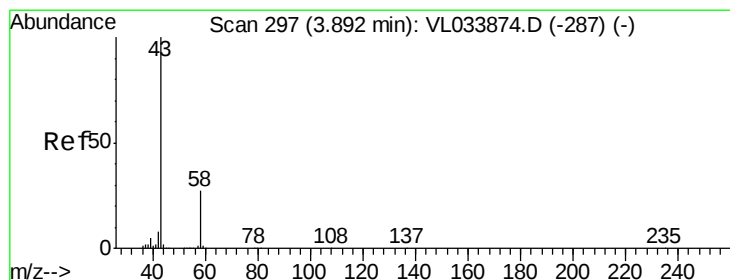
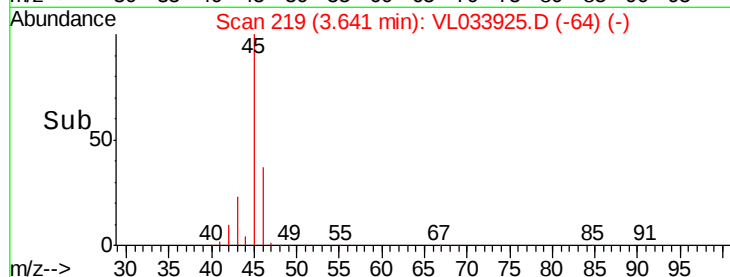
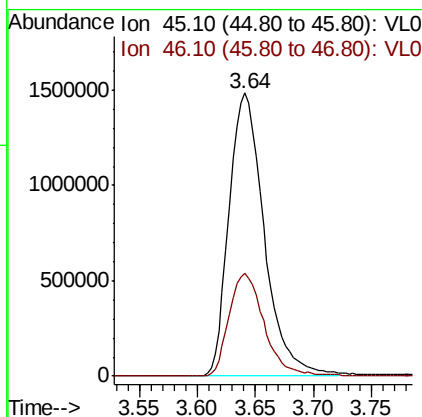
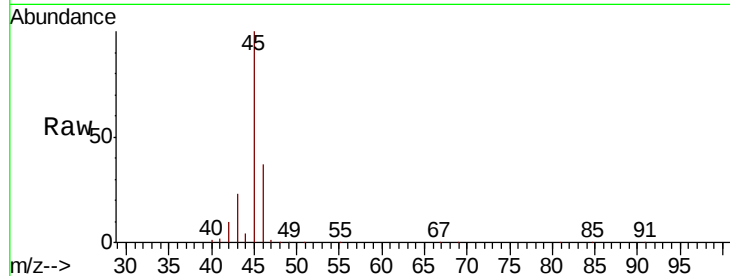
#13
Ethanol
Concen: 214.289 ppbv
RT: 3.64 min Scan# 219
Delta R.T. -0.00 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument :
MSVOA_L
ClientSampleId :
V2DL

Tot Ion: 45 Resp: 3120389
Ion Ratio Lower Upper
45 100
46 36.6 15.3 61.1

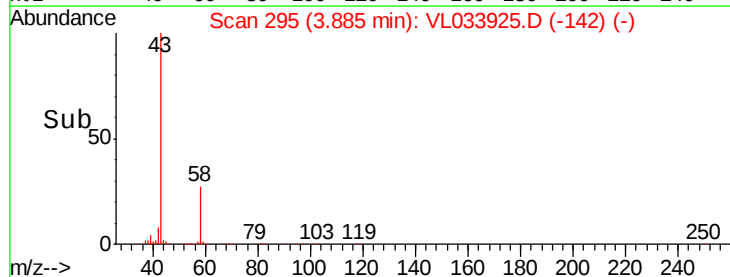
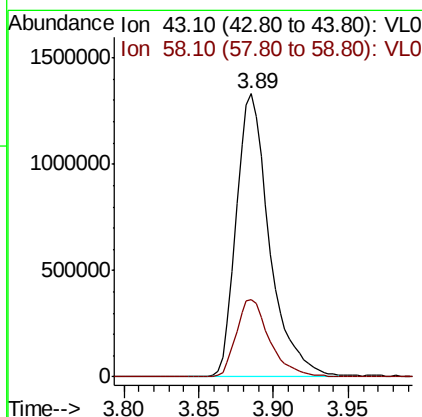
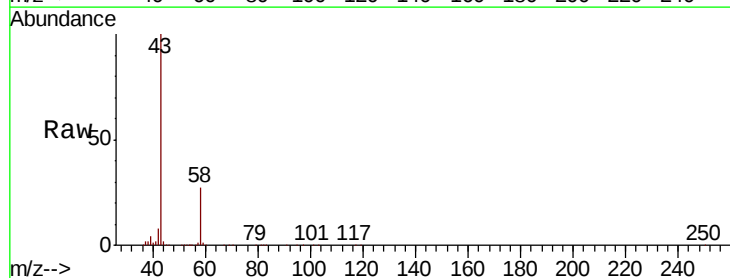
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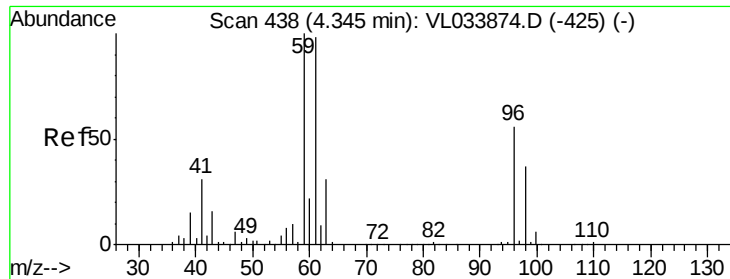
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#15
Acetone
Concen: 13.859 ppbv
RT: 3.89 min Scan# 295
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 43 Resp: 2053620
Ion Ratio Lower Upper
43 100
58 27.8 21.3 31.9





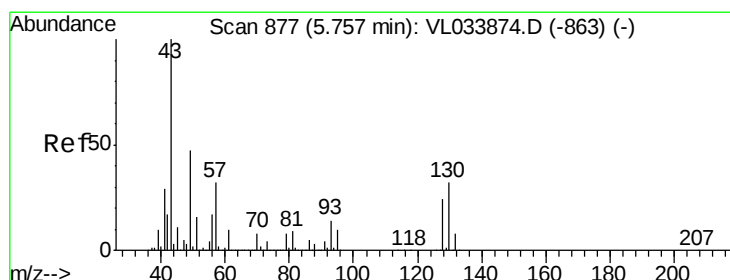
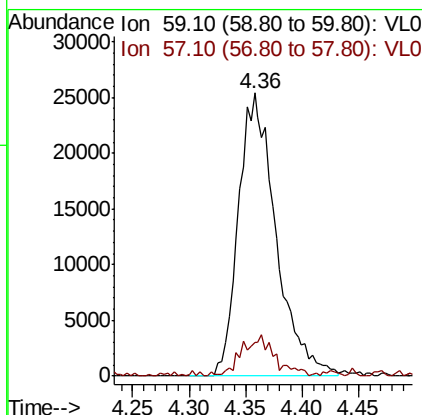
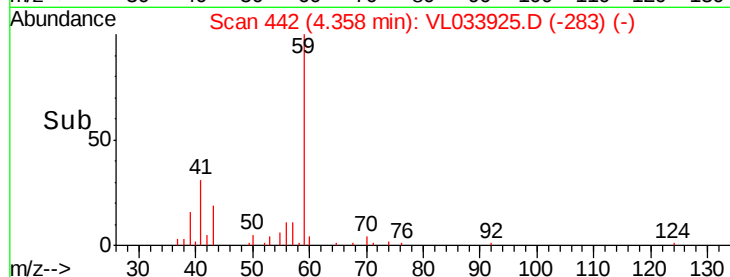
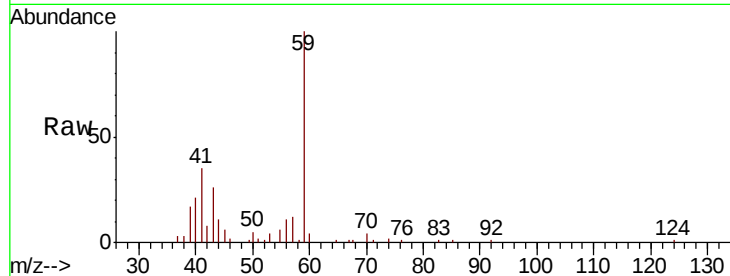
#17
tert-Butyl alcohol
Concen: 0.505 ppbv m
RT: 4.36 min Scan# 442
Delta R.T. 0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument :
MSVOA_L
ClientSampled :
V2DL

Tot Ion: 59 Resp: 58542
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

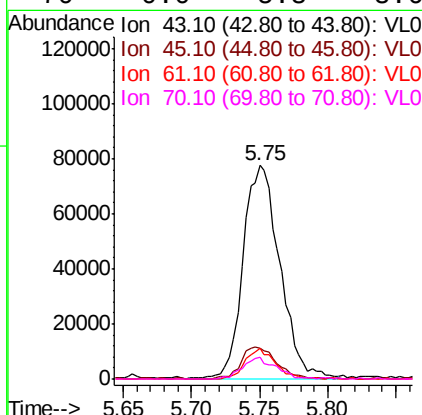
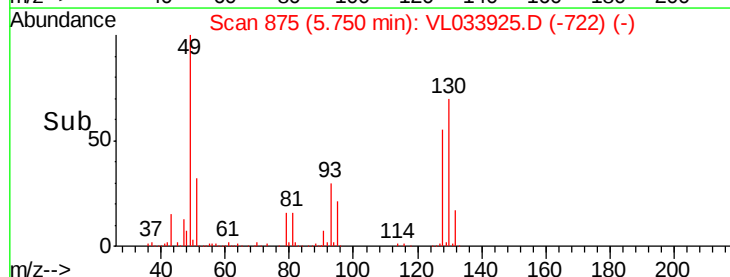
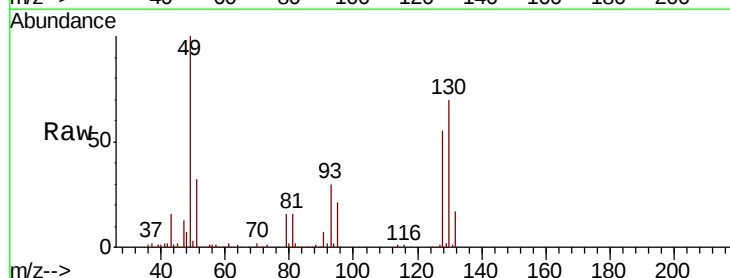
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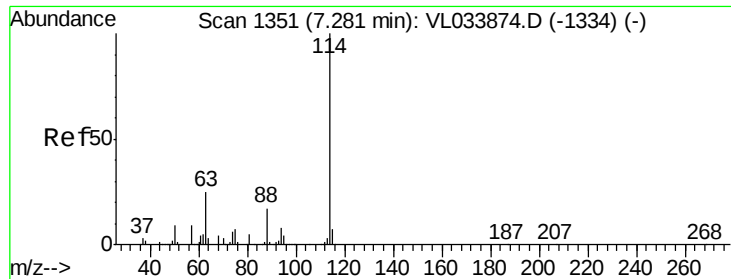
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#25
Ethyl Acetate
Concen: 0.646 ppbv m
RT: 5.75 min Scan# 875
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 43 Resp: 145696
Ion Ratio Lower Upper
43 100
45 0.0 7.9 11.9#
61 0.0 7.8 11.6#
70 0.0 5.8 8.6#





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.27 min Scan# 1349

Delta R.T. -0.01 min

Lab File: VL033925.D

Acq: 14 Jun 2019 9:44

Instrument :

MSVOA_L

ClientSampled :

V2DL

Tot Ion:114 Resp: 2593760

Ion Ratio Lower Upper

114 100

63 24.1 21.1 31.7

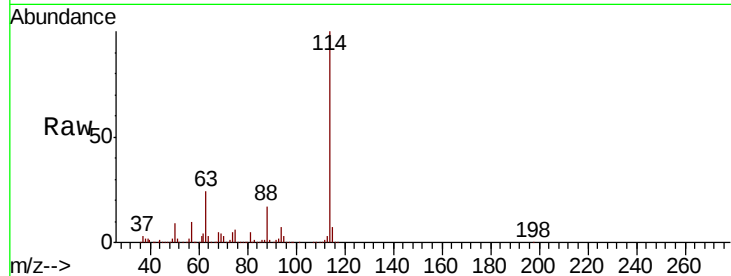
88 17.6 14.2 21.4

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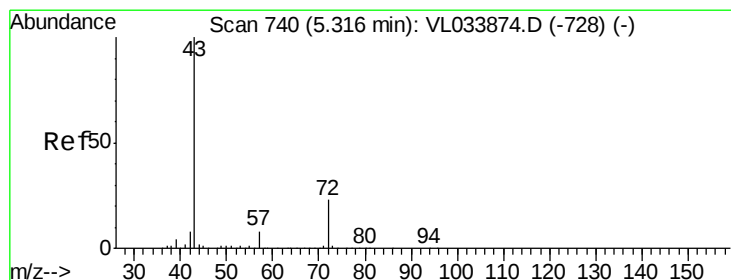
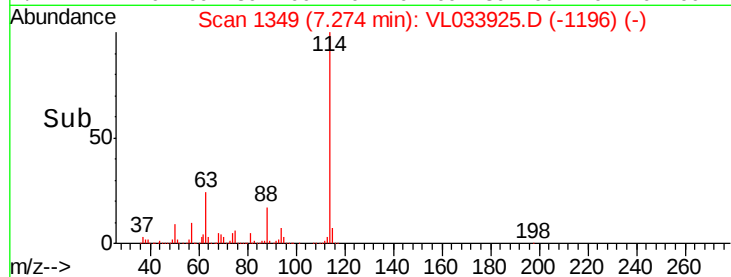
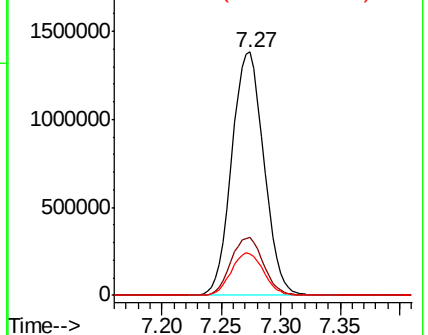
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 2.602 ppbv

RT: 5.31 min Scan# 738

Delta R.T. -0.01 min

Lab File: VL033925.D

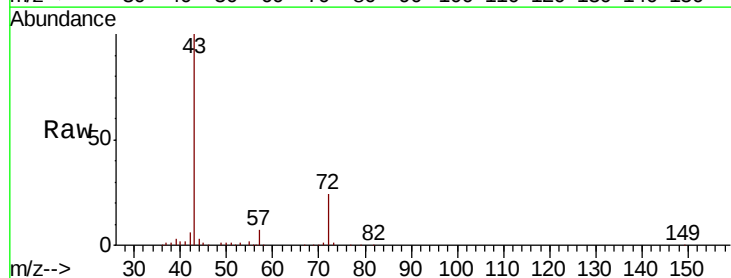
Acq: 14 Jun 2019 9:44

Tgt Ion: 43 Resp: 380790

Ion Ratio Lower Upper

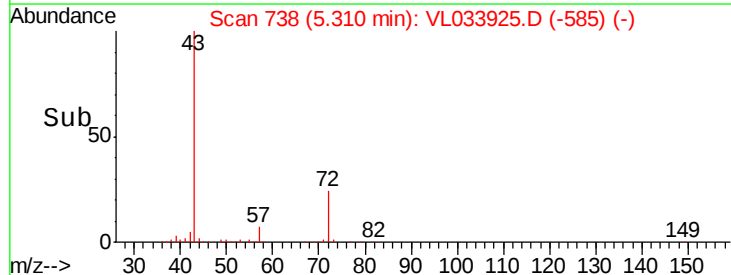
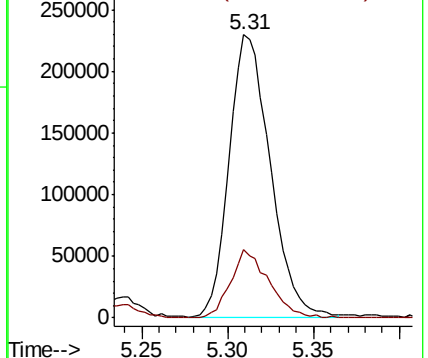
43 100

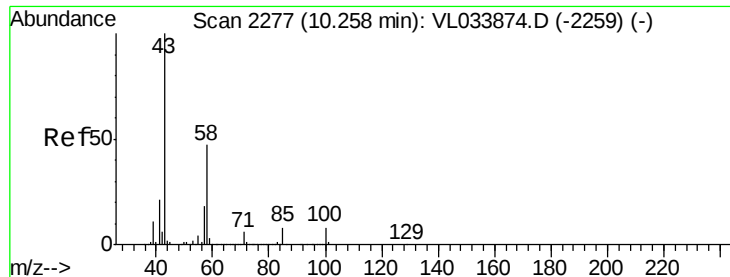
72 22.7 17.9 26.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





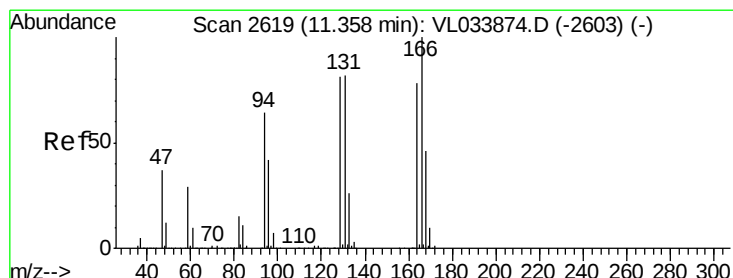
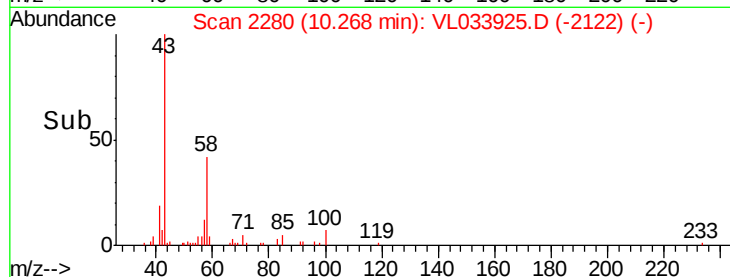
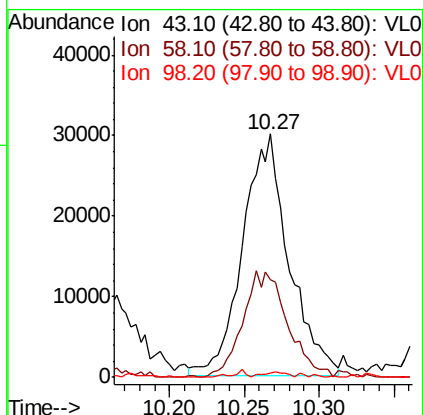
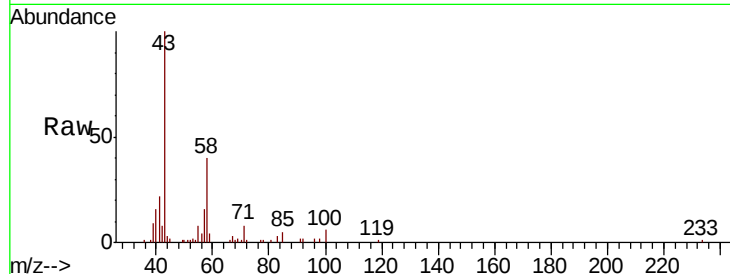
#51
2-Hexanone
Concen: 0.378 ppbv
RT: 10.27 min Scan# 2280
Delta R.T. 0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument :
MSVOA_L
ClientSampleId :
V2DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	43.5	38.2	57.4
98	2.5	0.2	0.2#

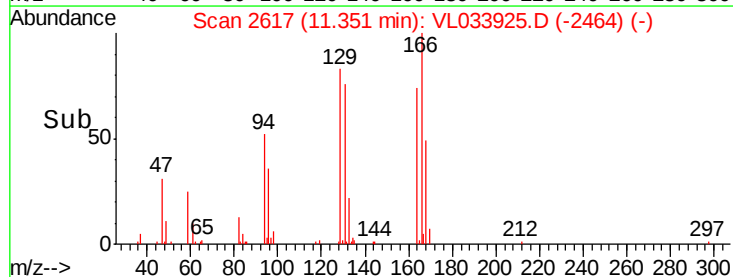
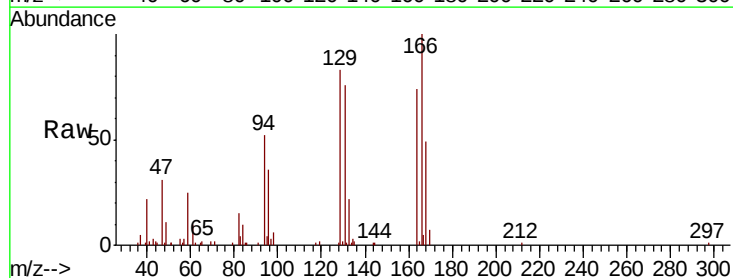
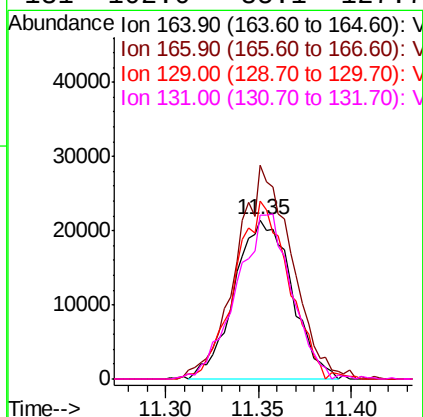
Manual Integrations
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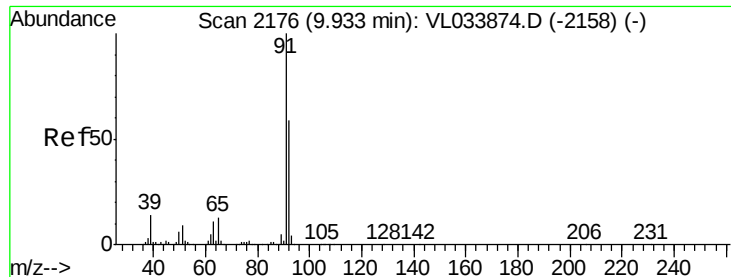
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#52
Tetrachloroethene
Concen: 0.659 ppbv
RT: 11.35 min Scan# 2617
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.9	103.1	154.7
129	111.6	83.9	125.9
131	102.0	85.1	127.7





#53

Toluene

Concen: 3.254 ppbv

RT: 9.92 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL033925.D

Acq: 14 Jun 2019 9:44

Instrument :

MSVOA_L

ClientSampleId :

V2DL

Tot Ion: 91 Resp: 713504

Ion Ratio Lower Upper

91 100

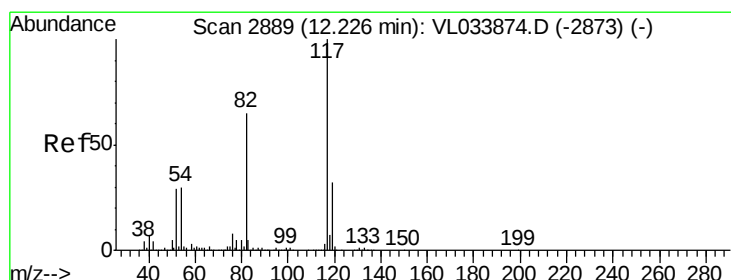
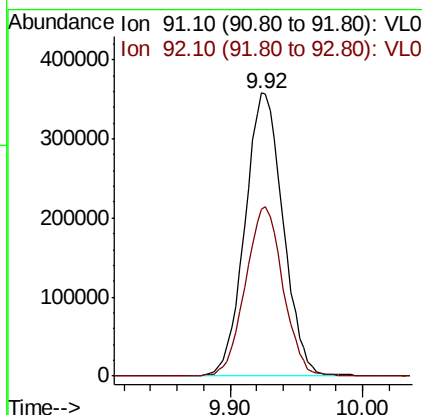
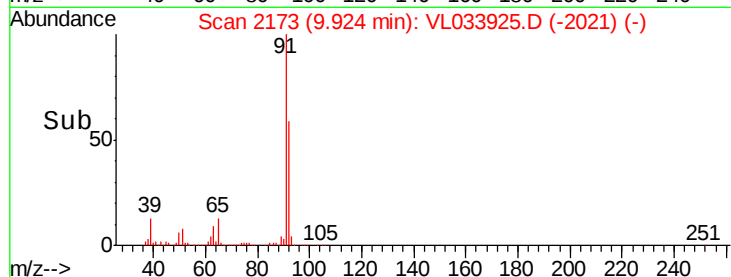
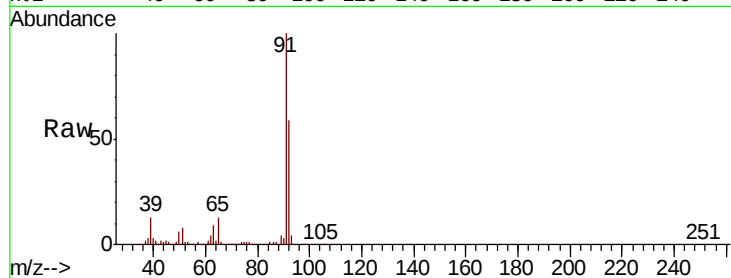
92 59.3 47.0 70.6

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.22 min Scan# 2887

Delta R.T. -0.01 min

Lab File: VL033925.D

Acq: 14 Jun 2019 9:44

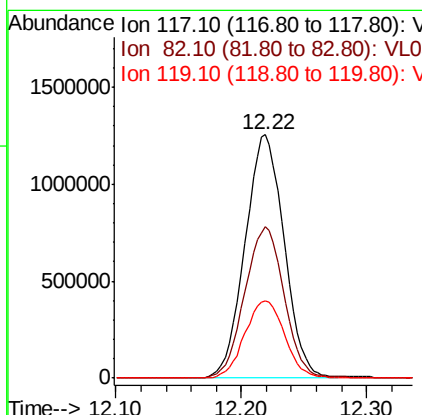
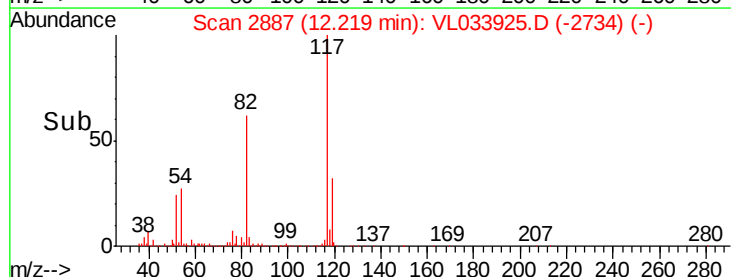
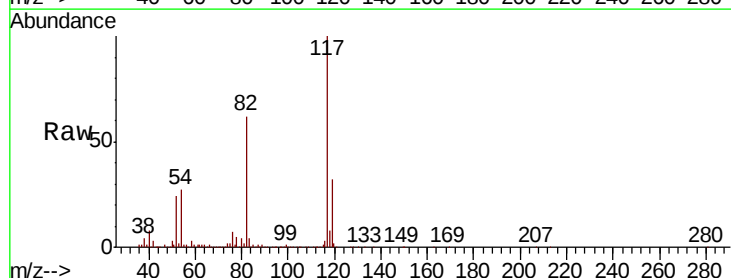
Tgt Ion: 117 Resp: 2726622

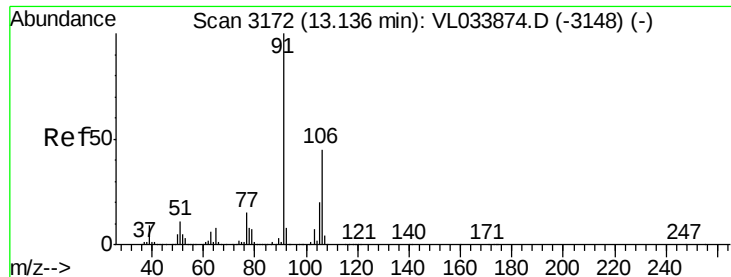
Ion Ratio Lower Upper

117 100

82 63.0 50.2 75.2

119 32.5 24.8 37.2





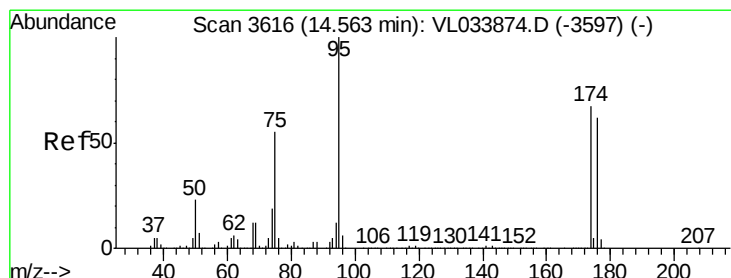
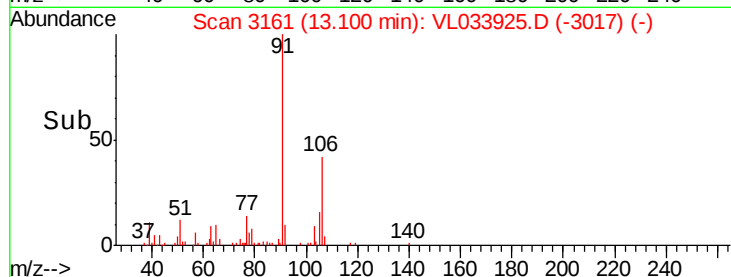
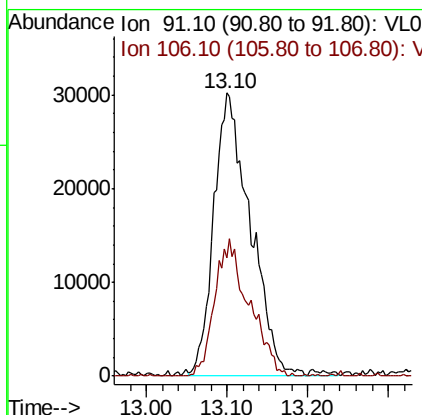
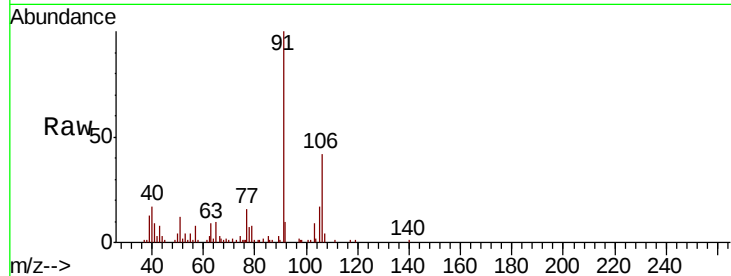
#59
m/p-Xylene
Concen: 0.341 ppbv m
RT: 13.10 min Scan# 3161
Delta R.T. -0.04 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Instrument :
MSVOA_L
ClientSampled :
V2DL

Tot Ion: 91 Resp: 95299
Ion Ratio Lower Upper
91 100
106 0.0 35.8 53.8#

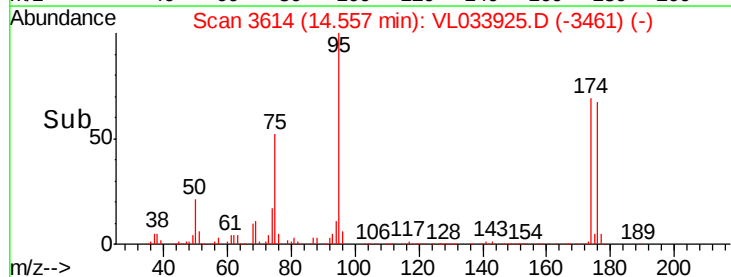
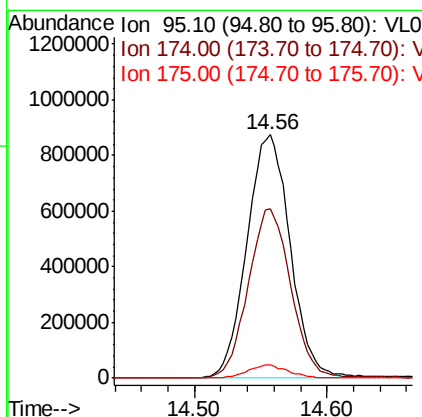
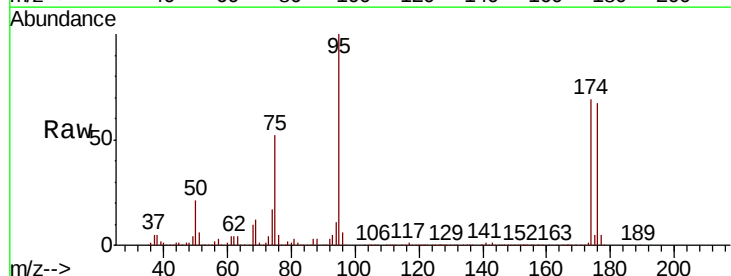
Manual Integrations
APPROVED

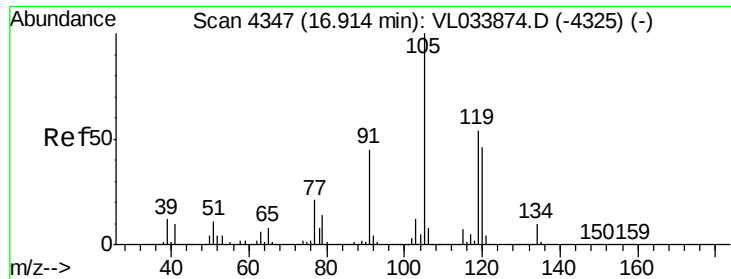
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6/17/2019 12:37:45 AM



#68
1-Bromo-4-Fluorobenzene
Concen: 8.862 ppbv
RT: 14.56 min Scan# 3614
Delta R.T. -0.01 min
Lab File: VL033925.D
Acq: 14 Jun 2019 9:44

Tgt Ion: 95 Resp: 1984707
Ion Ratio Lower Upper
95 100
174 69.5 54.0 81.0
175 5.1 3.8 5.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.171 ppbv m
 RT: 16.91 min Scan# 4345
 Delta R.T. -0.01 min
 Lab File: VL033925.D
 Acq: 14 Jun 2019 9:44

Instrument :
 MSVOA_L
 ClientSampleId :
 V2DL

Tot Ion:	105	Resp:	63936
Ion Ratio	Lower	Upper	
105	100		
120	50.3	36.7	55.1
91	16.0	35.8	53.8#
77	15.3	16.9	25.3#

Manual Integrations
 APPROVED

MMDadoda
 6/17/2019 12:37:45 AM

