

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
 Data File : VL032647.D
 Acq On : 17 Oct 2018 18:54
 Operator : SY/AP
 Sample : J5500-01DL2 100X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDL2

Manual Integrations
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 10/19/2018 4:36:41 PM

Quant Time: Oct 18 10:46:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 18 10:46:43 2018
 QLast Update : Wed Oct 17 08:55:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1210853	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2809703	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2733251	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2108122	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.06	41	79525m	2.14	ppbv	
10) Heptane	8.26	43	268119	1.93	ppbv	99
13) Ethanol	3.68	45	11658m	1.01	ppbv	
26) Hexane	5.80	57	486496	4.24	ppbv #	43
29) Chloroform	5.87	83	80671	0.40	ppbv	88
30) Cyclohexane	7.26	84	645353	7.13	ppbv	97
35) Carbon Tetrachloride	7.16	117	14903m	0.07	ppbv	
36) Benzene	7.03	78	120904	0.53	ppbv #	94
52) Tetrachloroethene	11.39	164	11256m	0.15	ppbv	
53) Toluene	9.97	91	1631185	6.28	ppbv	99
58) Ethyl Benzene	12.88	91	512379	1.67	ppbv	97
59) m/p-Xylene	13.14	91	1219314	4.45	ppbv	99
60) o-Xylene	13.87	91	370932	1.36	ppbv	98
72) 4-Ethyltoluene	16.02	105	99636	0.34	ppbv #	95
73) 1,3,5-Trimethylbenzene	16.18	105	52643	0.18	ppbv	93
74) 1,2,4-Trimethylbenzene	16.95	105	169213	0.52	ppbv #	73

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

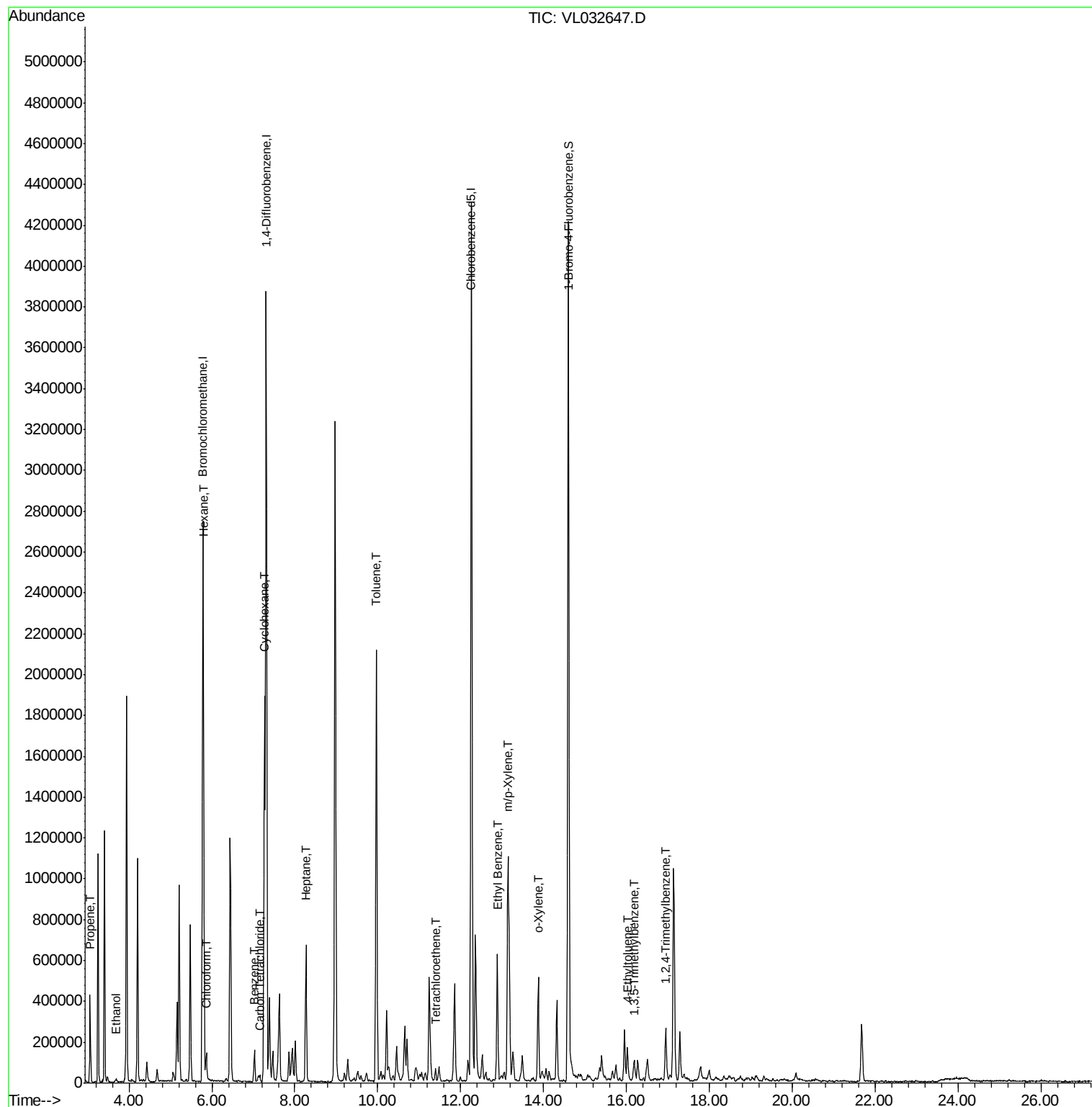
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032647.D
Acq On : 17 Oct 2018 18:54
Operator : SY/AP
Sample : J5500-01DL2 100X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

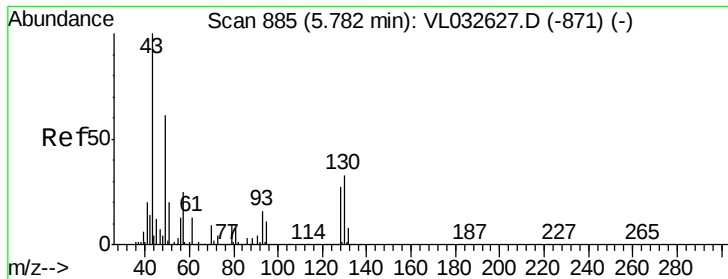
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

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10/19/2018 4:36:41 PM

Quant Time: Oct 18 10:46:43 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL032647.D

Acq: 17 Oct 2018 18:54

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDL2

Tgt Ion: 49 Resp: 1210853

Ion Ratio Lower Upper

49 100

128 44.7 22.3 66.8

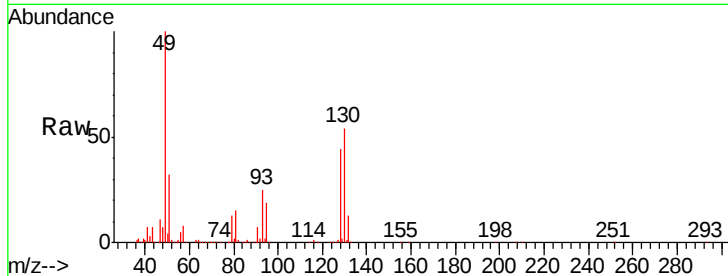
130 57.5 28.4 85.3

Manual Integrations

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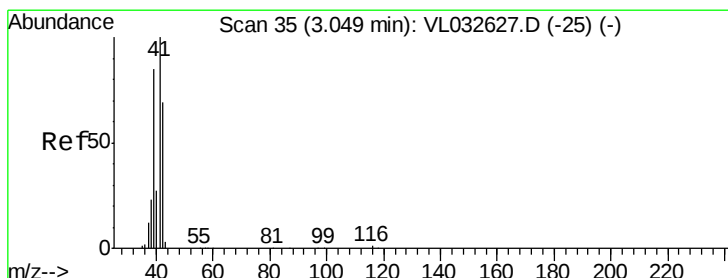
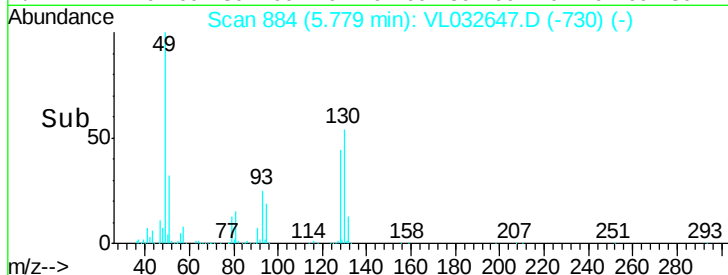
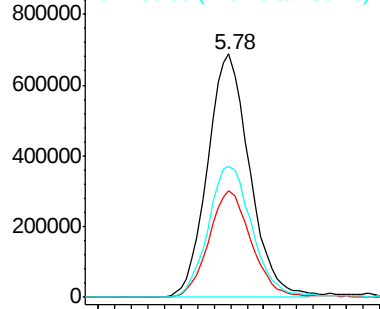
10/19/2018 4:36:41 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 2.14 ppbv m

RT: 3.06 min Scan# 39

Delta R.T. 0.01 min

Lab File: VL032647.D

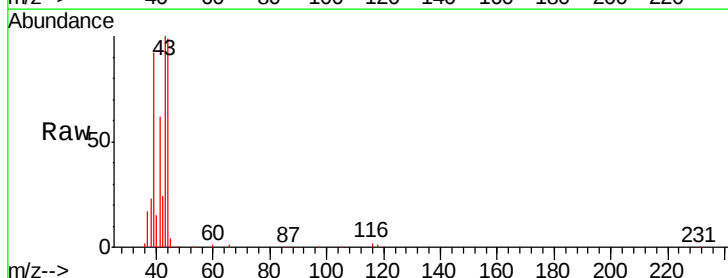
Acq: 17 Oct 2018 18:54

Tgt Ion: 41 Resp: 79525

Ion Ratio Lower Upper

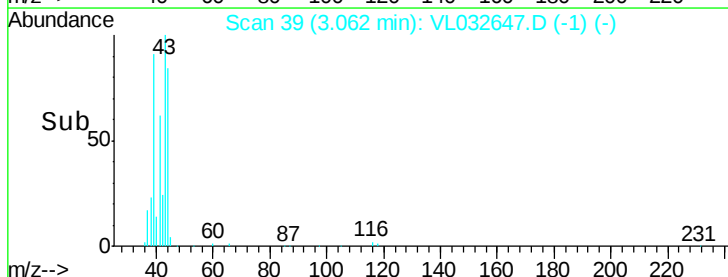
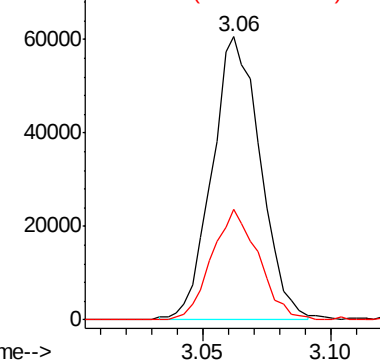
41 100

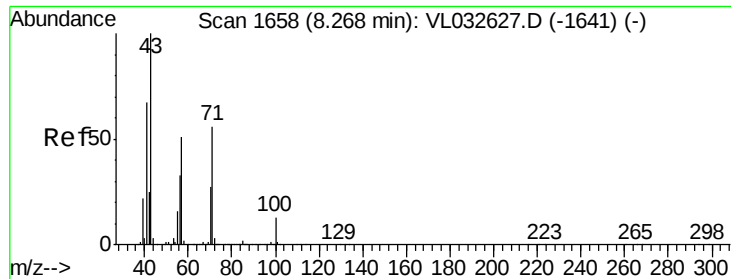
42 254.0 55.4 83.0#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





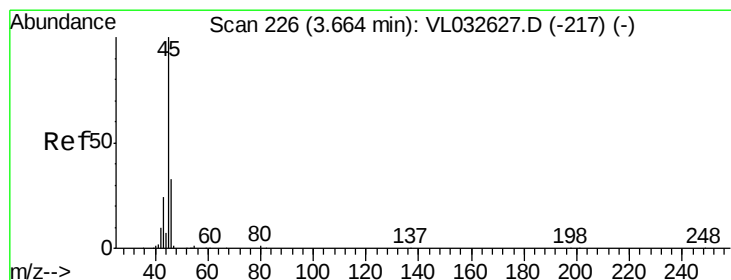
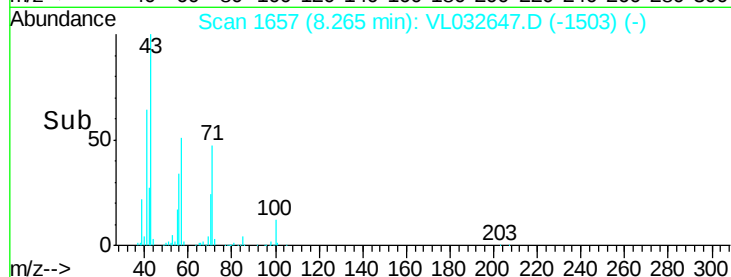
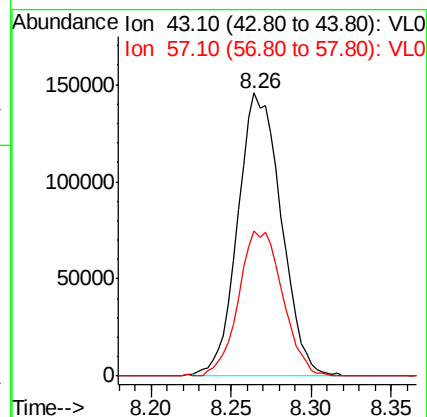
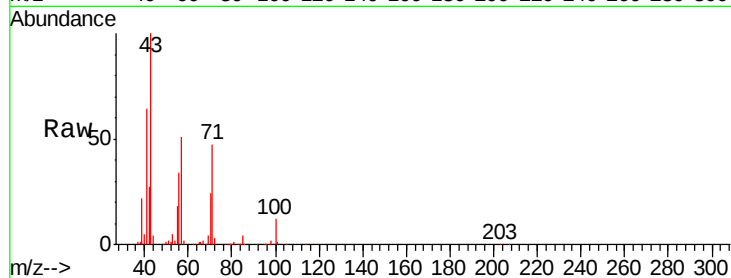
#10
Heptane
Concen: 1.93 ppbv
RT: 8.26 min Scan# 1657
Delta R.T. -0.00 min
Lab File: VL032647.D
Acq: 17 Oct 2018 18:54

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

Tgt Ion: 43 Resp: 268119
Ion Ratio Lower Upper
43 100
57 52.4 41.5 62.3

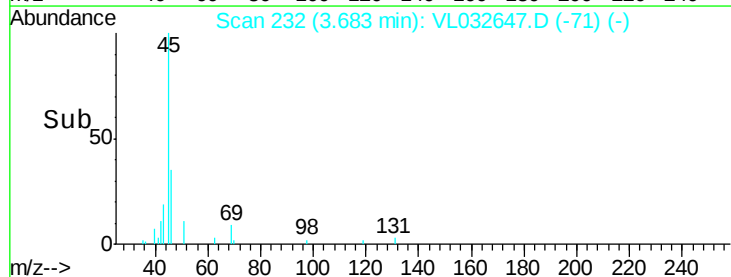
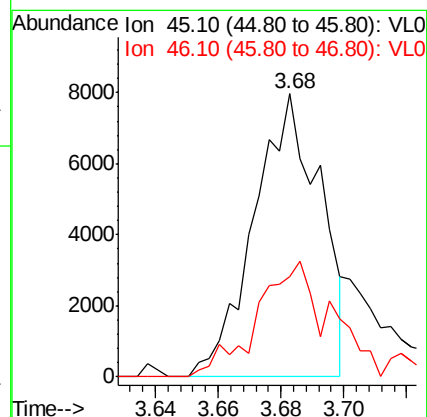
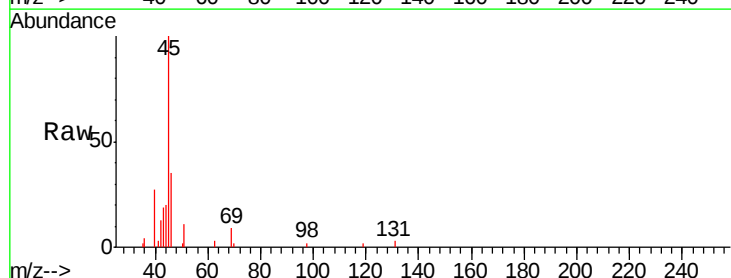
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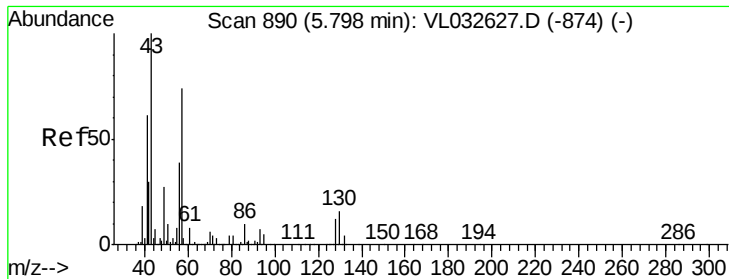
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#13
Ethanol
Concen: 1.01 ppbv m
RT: 3.68 min Scan# 232
Delta R.T. 0.02 min
Lab File: VL032647.D
Acq: 17 Oct 2018 18:54

Tgt Ion: 45 Resp: 11658
Ion Ratio Lower Upper
45 100
46 51.3 15.4 61.8





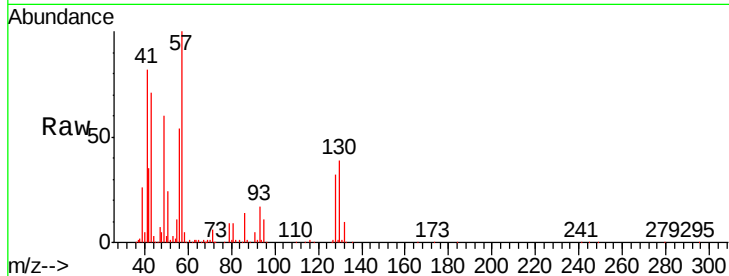
#26
Hexane
Concen: 4.24 ppbv
RT: 5.80 min Scan# 890
Delta R.T. -0.00 min
Lab File: VL032647.D
Acq: 17 Oct 2018 18:54

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

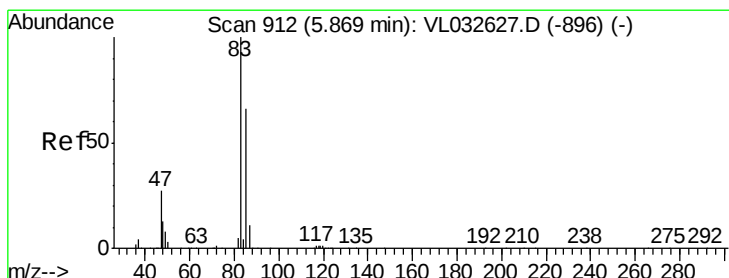
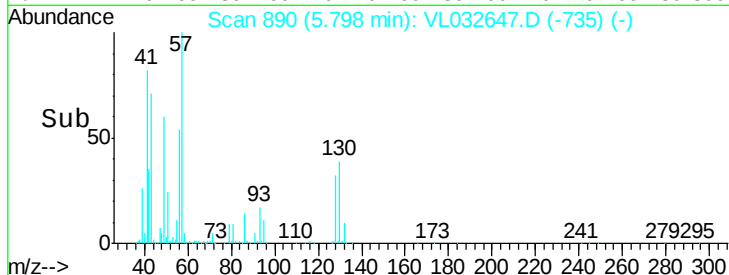
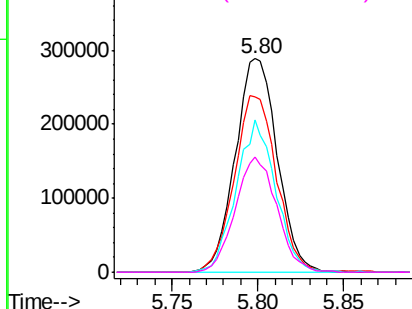
Tgt Ion	Ratio	Lower	Upper
57	100		
41	84.1	67.4	101.0
43	67.5	171.9	257.9#
56	53.8	42.6	63.8

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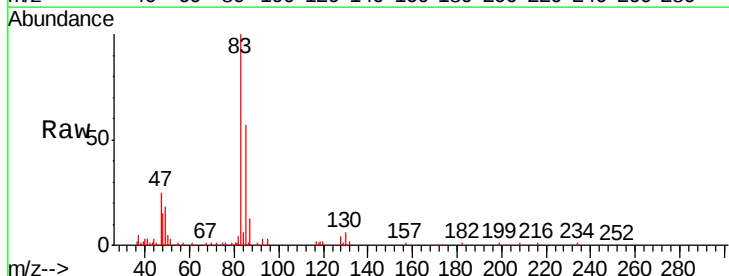


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

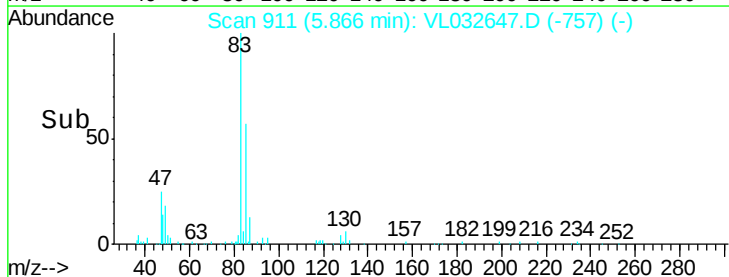
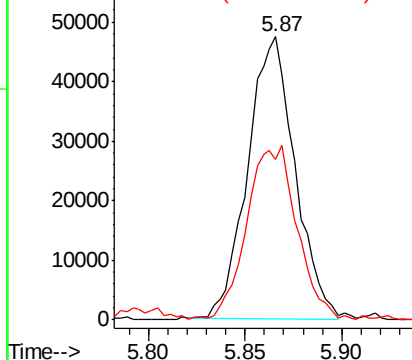


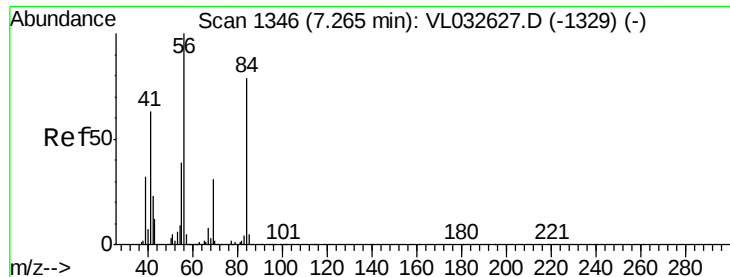
#29
Chloroform
Concen: 0.40 ppbv
RT: 5.87 min Scan# 911
Delta R.T. -0.00 min
Lab File: VL032647.D
Acq: 17 Oct 2018 18:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.6	53.0	79.6



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0





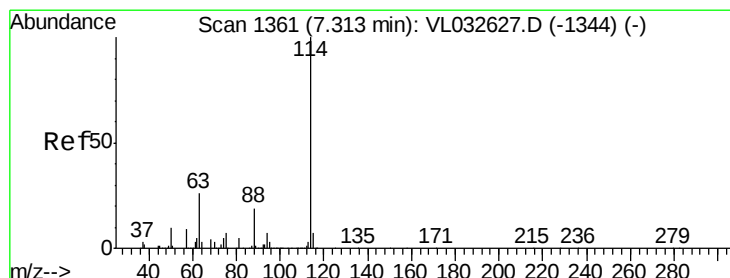
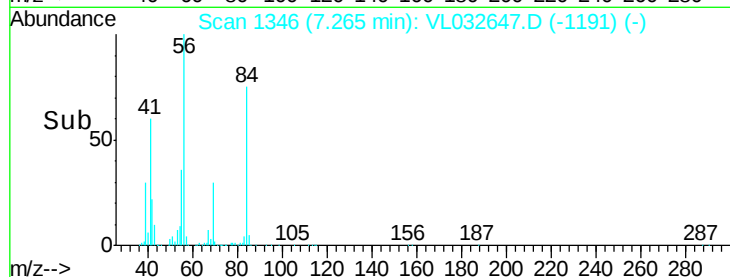
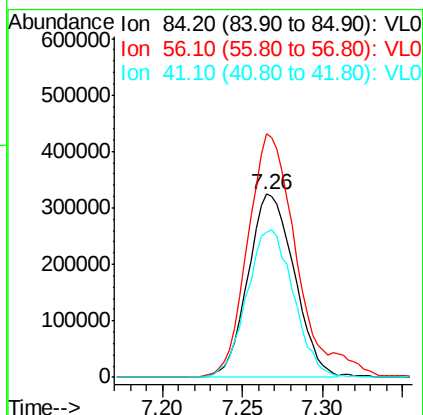
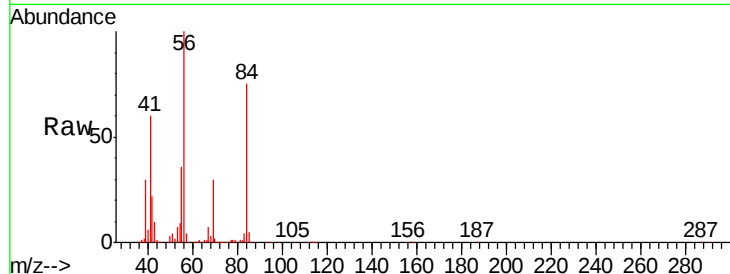
#30
Cyclohexane
Concen: 7.13 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. -0.00 min
Lab File: VL032647.D
Acq: 17 Oct 2018 18:54

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

Tgt Ion	Ratio	Lower	Upper
84	100		
56	141.2	108.3	162.5
41	81.6	64.8	97.2

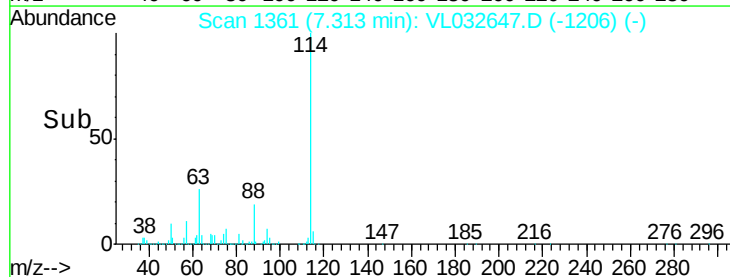
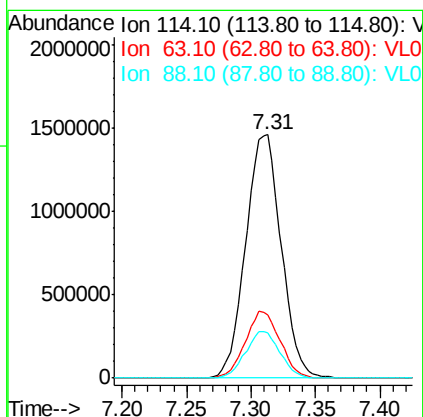
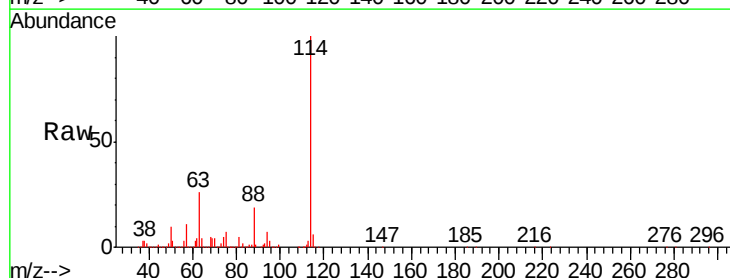
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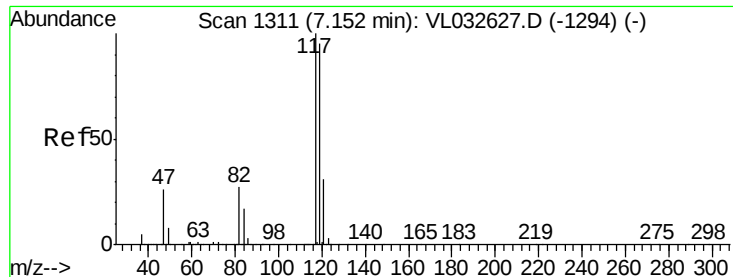
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.31 min Scan# 1361
Delta R.T. -0.00 min
Lab File: VL032647.D
Acq: 17 Oct 2018 18:54

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.7	32.5
88	18.7	14.9	22.3





#35

Carbon Tetrachloride

Concen: 0.07 ppbv m

RT: 7.16 min Scan# 1312

Delta R.T. 0.00 min

Lab File: VL032647.D

Acq: 17 Oct 2018 18:54

Instrument :

MSVOA_L

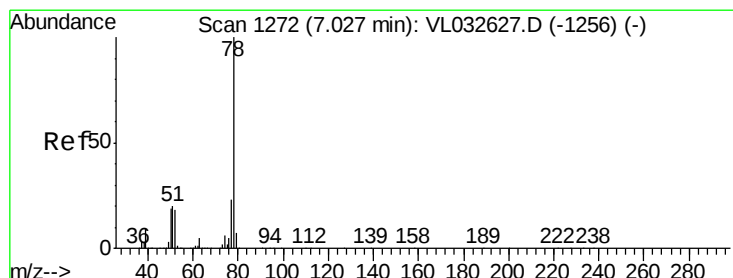
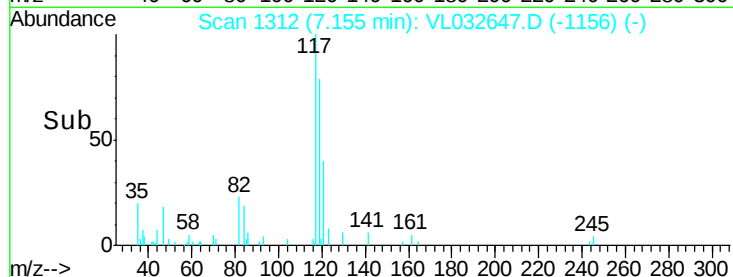
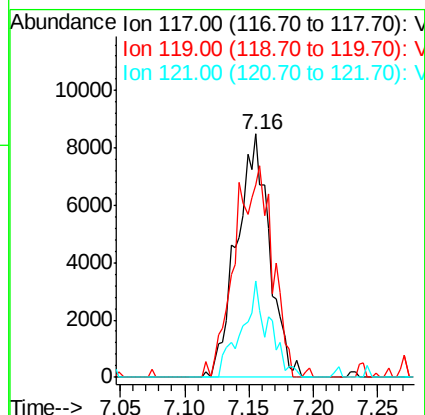
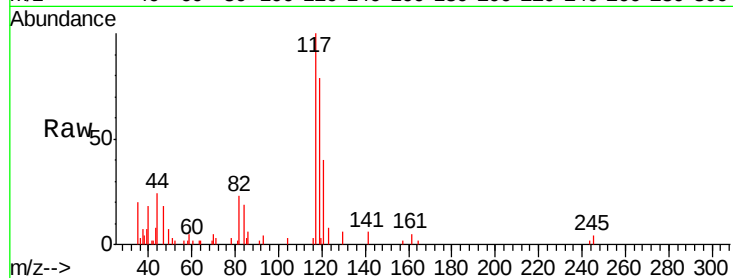
ClientSampleId :

SS08-MIVIDL2

Tgt Ion	Ratio	Lower	Upper
117	100		
119	79.1	75.7	113.5
121	39.5	24.7	37.1#

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#36

Benzene

Concen: 0.53 ppbv

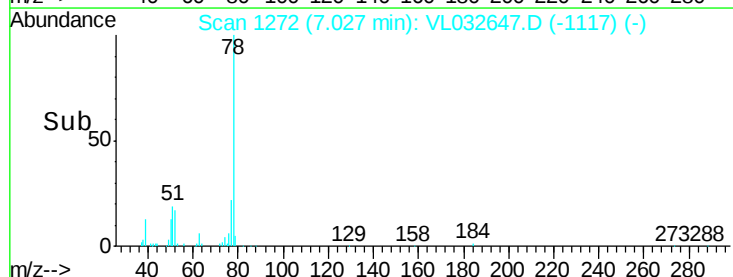
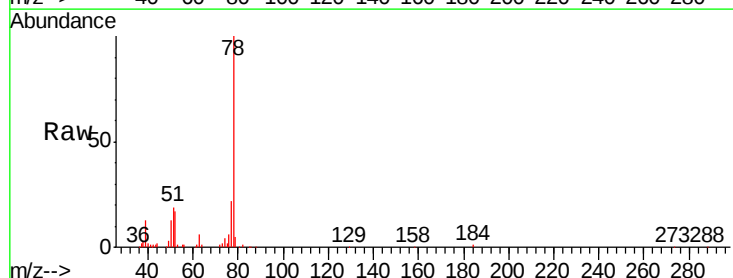
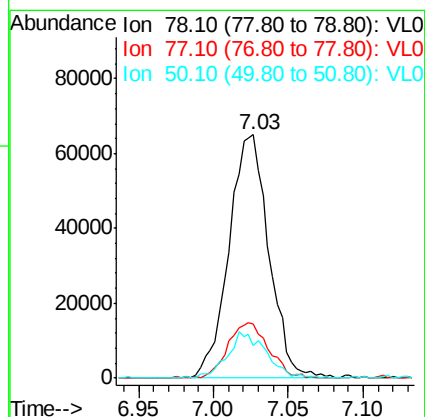
RT: 7.03 min Scan# 1272

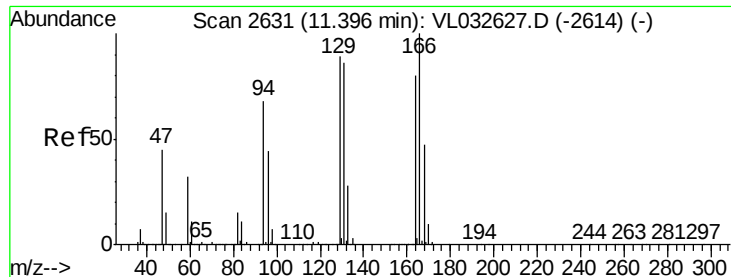
Delta R.T. -0.00 min

Lab File: VL032647.D

Acq: 17 Oct 2018 18:54

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.5	18.1	27.1
50	13.4	15.1	22.7#





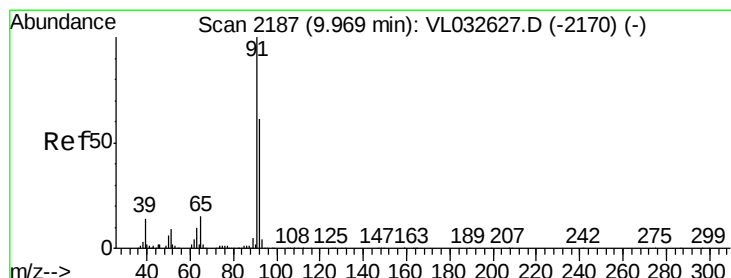
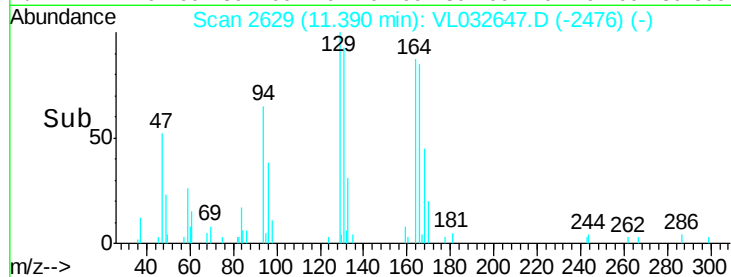
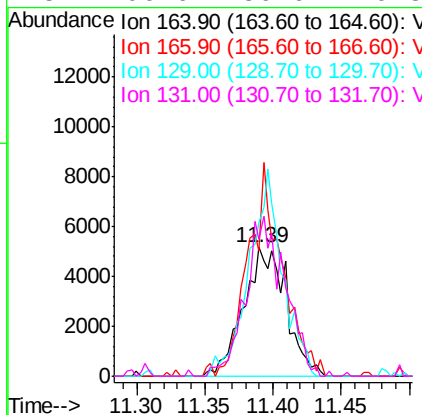
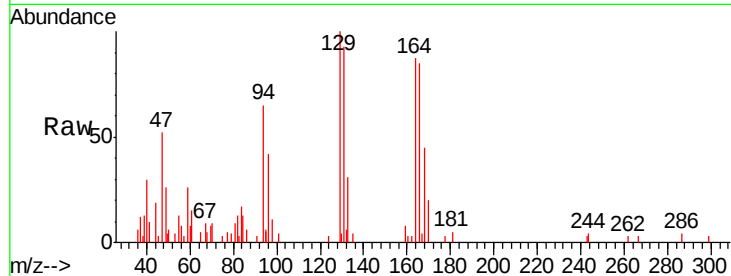
#52
Tetrachloroethene
Concen: 0.15 ppbv m
RT: 11.39 min Scan# 2629
Delta R.T. -0.01 min
Lab File: VL032647.D
Acq: 17 Oct 2018 18:54

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

Tgt Ion	Ratio	Lower	Upper
164	100		
166	97.2	100.5	150.7#
129	114.9	90.0	135.0
131	106.6	86.6	129.8

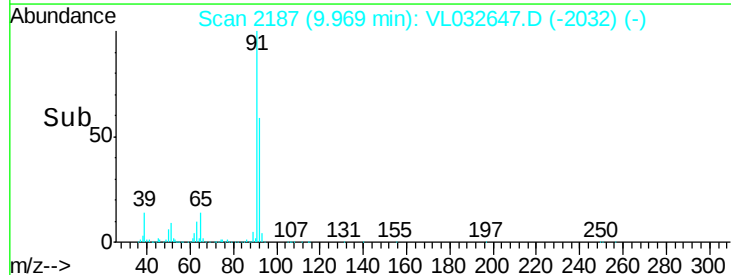
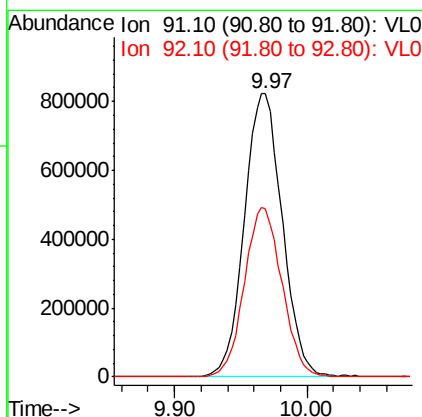
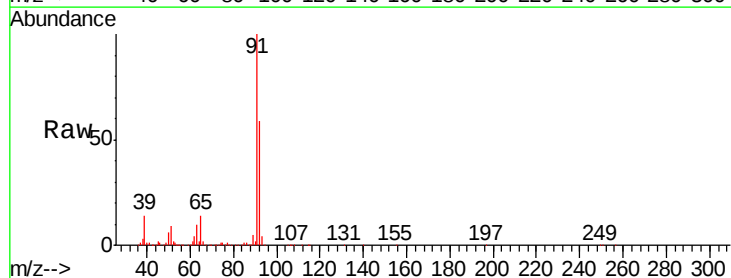
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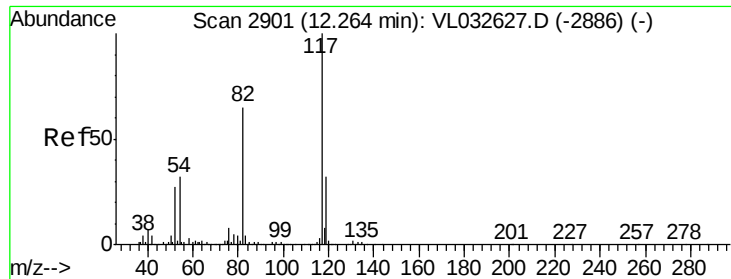
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#53
Toluene
Concen: 6.28 ppbv
RT: 9.97 min Scan# 2187
Delta R.T. -0.00 min
Lab File: VL032647.D
Acq: 17 Oct 2018 18:54

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.7	48.4	72.6





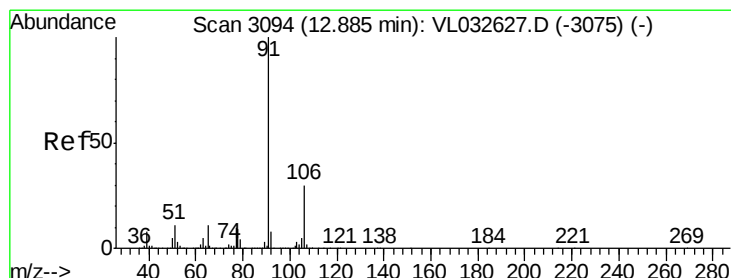
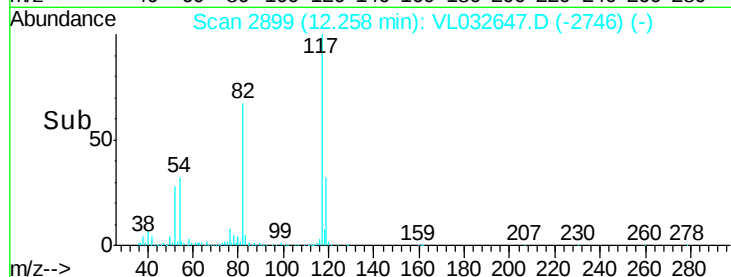
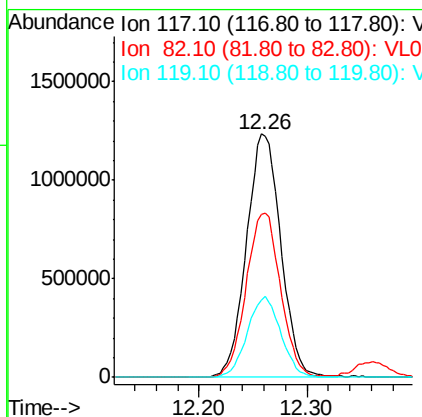
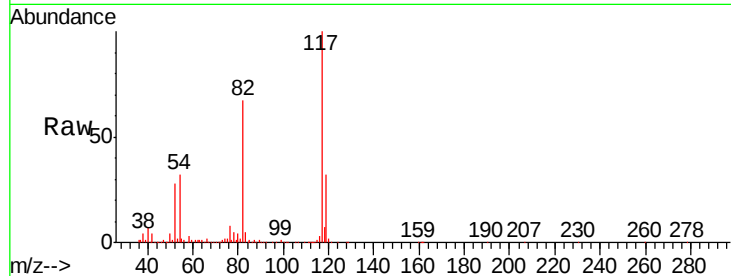
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.26 min Scan# 2899
Delta R.T. -0.01 min
Lab File: VL032647.D
Acq: 17 Oct 2018 18:54

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

Tgt Ion: 117 Resp: 2733251
Ion Ratio Lower Upper
117 100
82 67.7 52.7 79.1
119 32.4 26.7 40.1

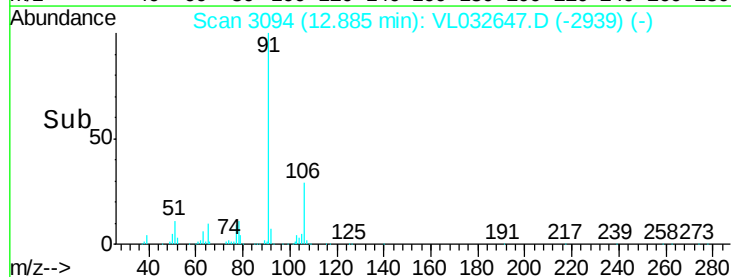
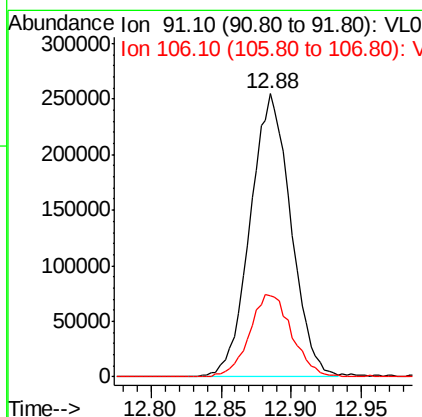
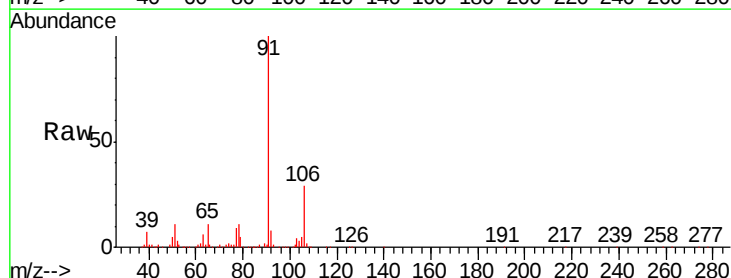
Manual Integrations
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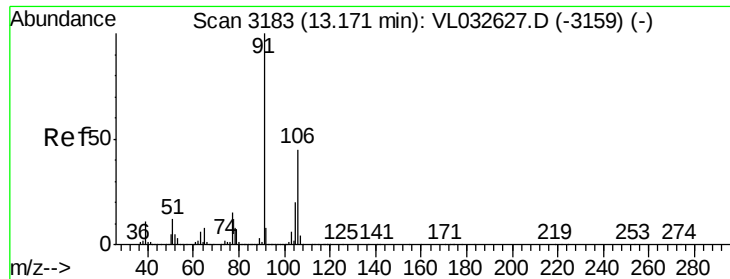
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#58
Ethyl Benzene
Concen: 1.67 ppbv
RT: 12.88 min Scan# 3094
Delta R.T. -0.00 min
Lab File: VL032647.D
Acq: 17 Oct 2018 18:54

Tgt Ion: 91 Resp: 512379
Ion Ratio Lower Upper
91 100
106 28.7 24.2 36.2





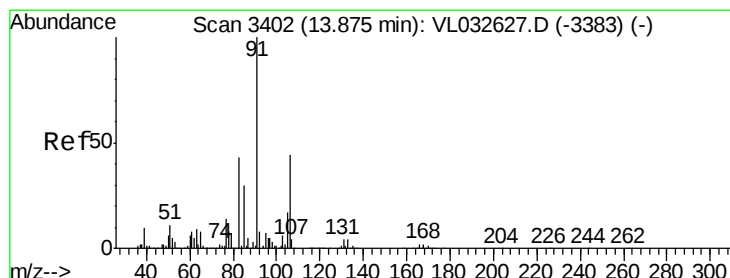
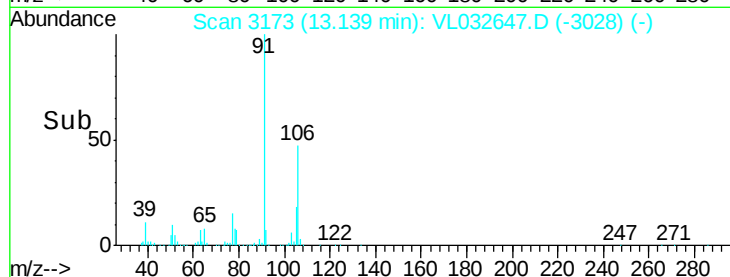
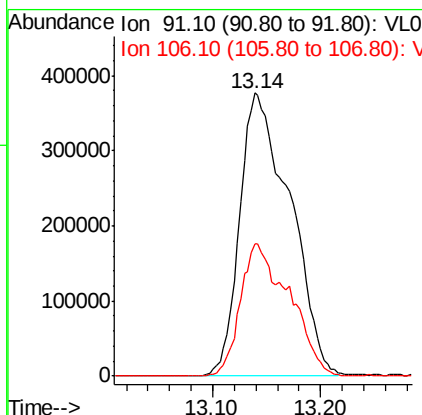
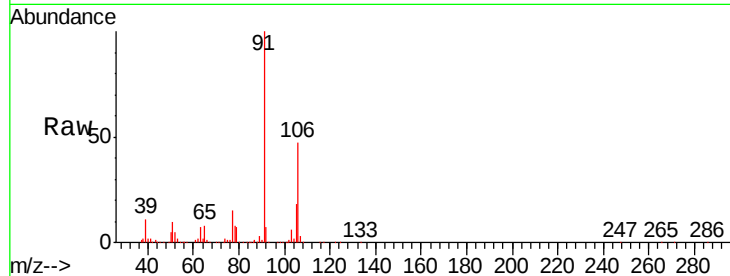
#59
m/p-Xylene
Concen: 4.45 ppbv
RT: 13.14 min Scan# 3173
Delta R.T. -0.03 min
Lab File: VL032647.D
Acq: 17 Oct 2018 18:54

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

Tgt Ion: 91 Resp: 1219314
Ion Ratio Lower Upper
91 100
106 45.9 35.9 53.9

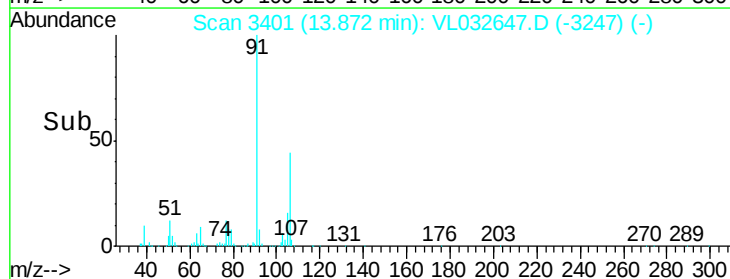
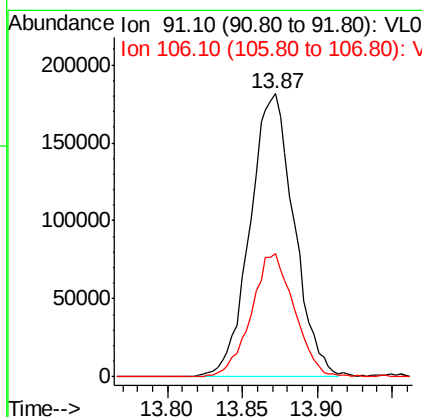
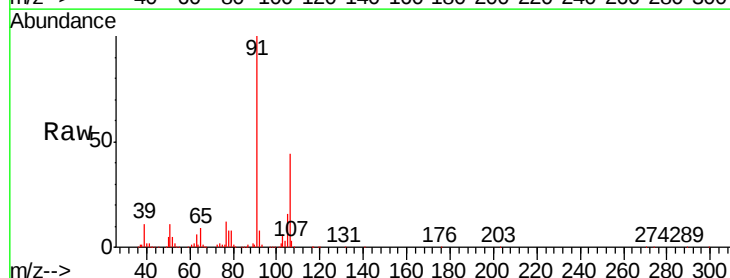
Manual Integrations
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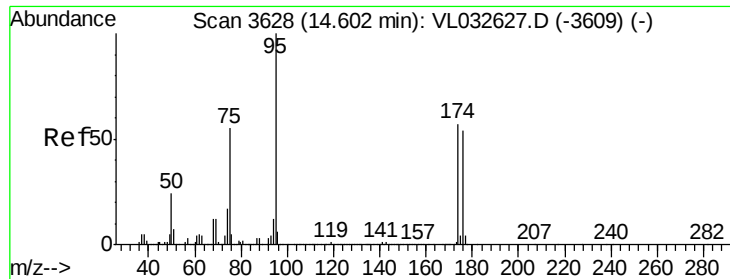
MMDadoda
10/19/2018 4:36:41 PM



#60
o-Xylene
Concen: 1.36 ppbv
RT: 13.87 min Scan# 3401
Delta R.T. -0.00 min
Lab File: VL032647.D
Acq: 17 Oct 2018 18:54

Tgt Ion: 91 Resp: 370932
Ion Ratio Lower Upper
91 100
106 43.1 22.1 66.1





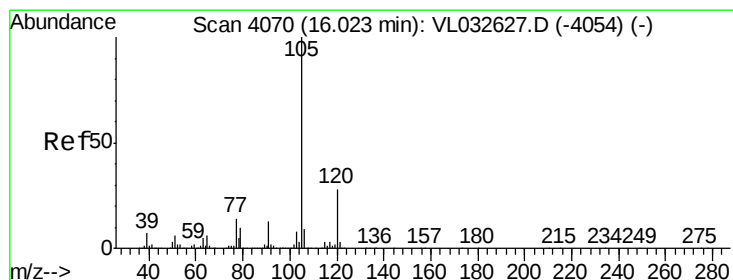
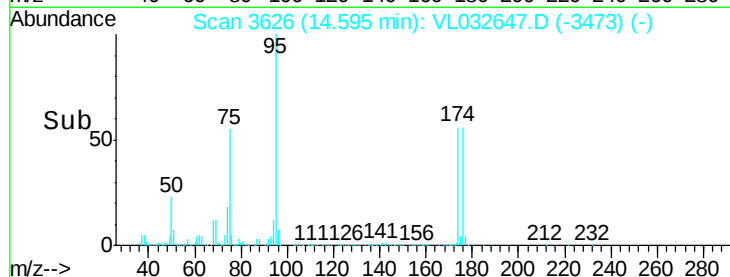
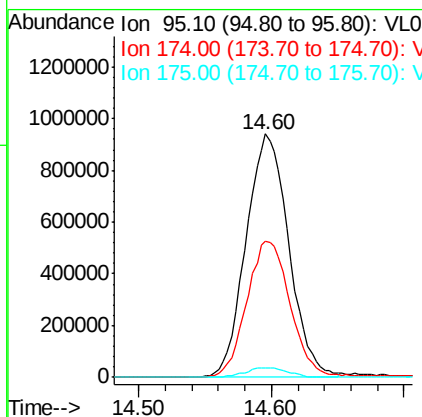
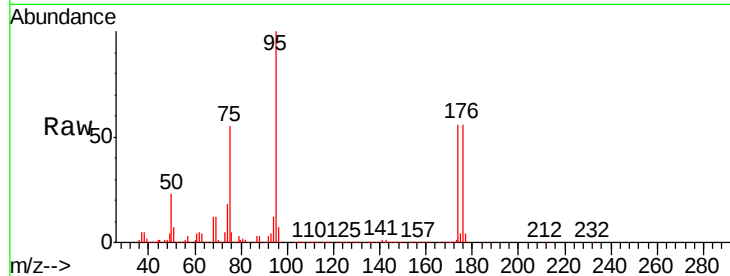
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.24 ppbv
 RT: 14.60 min Scan# 3626
 Delta R.T. -0.01 min
 Lab File: VL032647.D
 Acq: 17 Oct 2018 18:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDL2

Tgt Ion: 95 Resp: 2108122
 Ion Ratio Lower Upper
 95 100
 174 58.2 46.0 69.0
 175 4.0 3.4 5.0

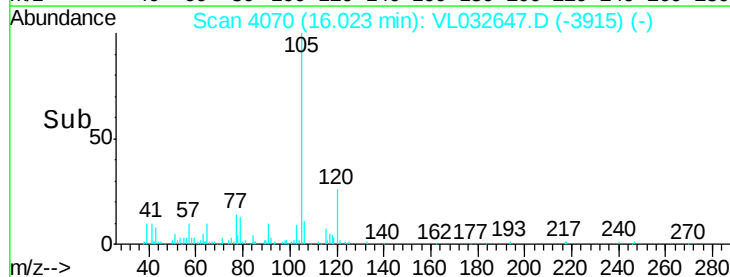
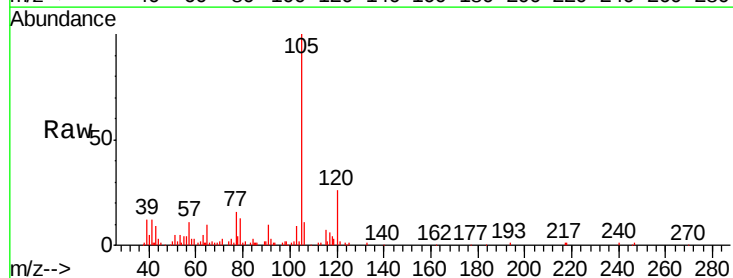
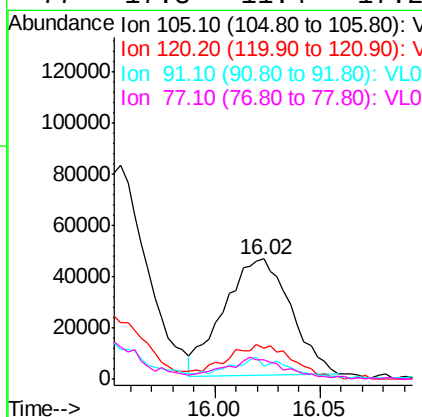
Manual Integrations
 APPROVED

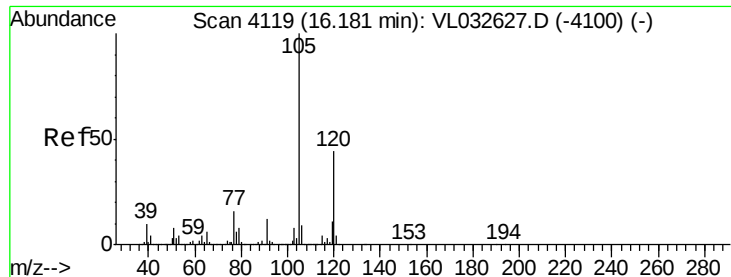
MMDadoda
 10/19/2018 4:36:41 PM



#72
 4-Ethyltoluene
 Concen: 0.34 ppbv
 RT: 16.02 min Scan# 4070
 Delta R.T. -0.00 min
 Lab File: VL032647.D
 Acq: 17 Oct 2018 18:54

Tgt Ion: 105 Resp: 99636
 Ion Ratio Lower Upper
 105 100
 120 30.5 23.7 35.5
 91 17.5 10.4 15.6#
 77 17.3 11.4 17.2#





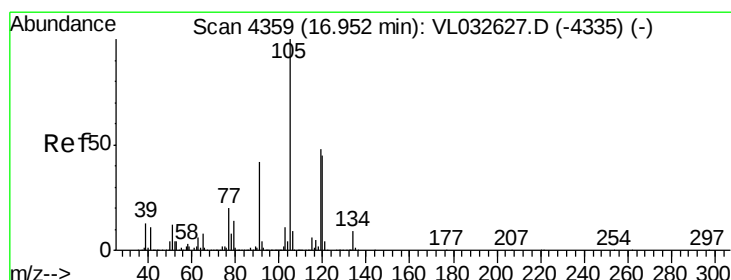
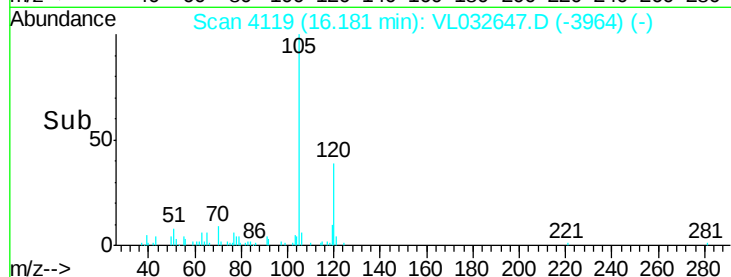
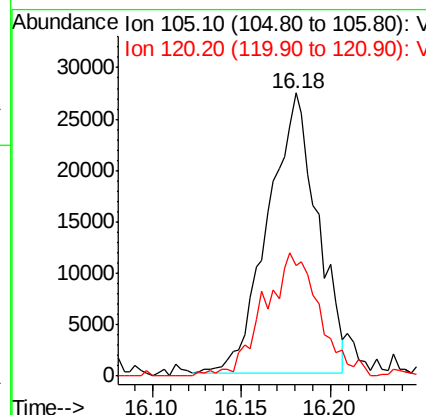
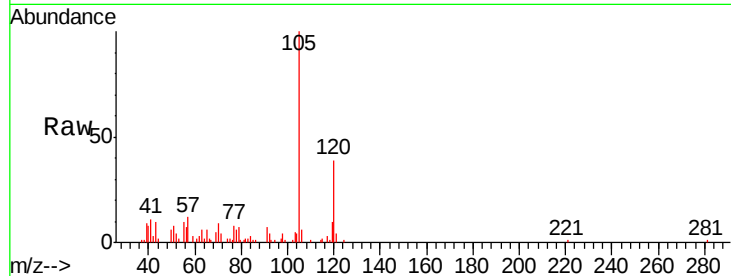
#73
 1,3,5-Trimethylbenzene
 Concen: 0.18 ppbv
 RT: 16.18 min Scan# 4119
 Delta R.T. -0.00 min
 Lab File: VL032647.D
 Acq: 17 Oct 2018 18:54

Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDL2

Tgt Ion:105 Resp: 52643
 Ion Ratio Lower Upper
 105 100
 120 39.7 35.4 53.2

Manual Integrations
 APPROVED

MMDadoda
 10/19/2018 4:36:41 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.52 ppbv
 RT: 16.95 min Scan# 4357
 Delta R.T. -0.01 min
 Lab File: VL032647.D
 Acq: 17 Oct 2018 18:54

Tgt Ion:105 Resp: 169213
 Ion Ratio Lower Upper
 105 100
 120 37.1 35.8 53.8
 91 11.3 33.2 49.8#
 77 12.1 16.2 24.4#

