

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032941.D
 Acq On : 7 Dec 2018 19:13
 Operator : SY/AP
 Sample : J6262-06
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:09:15 AM

Quant Time: Dec 10 20:14:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1273068	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3246413	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3126472	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2533779	10.97	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	34353	0.202	ppbv	96
3) Chlorodifluoromethane	3.01	51	101544m	1.053	ppbv	
4) Chloromethane	3.17	50	33318	0.594	ppbv	89
9) Propene	3.05	41	77896m	2.043	ppbv	
10) Heptane	8.25	43	43605	0.304	ppbv	96
11) Trichlorofluoromethane	4.00	101	40322	0.252	ppbv	97
13) Ethanol	3.67	45	3909146	297.813	ppbv	95
15) Acetone	3.90	43	10310974	94.361	ppbv	93
19) Isopropyl Alcohol	4.04	45	8166717	119.009	ppbv #	2
20) Methylene Chloride	4.42	84	278491	5.215	ppbv #	89
26) Hexane	5.78	57	548236	4.600	ppbv #	34
29) Chloroform	5.85	83	72942	0.343	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	14451m	0.132	ppbv	
34) 2-Butanone	5.33	43	196001	1.386	ppbv	98
35) Carbon Tetrachloride	7.13	117	17572m	0.069	ppbv	
36) Benzene	7.00	78	116546	0.488	ppbv	96
38) Trichloroethene	7.96	130	30221m	0.304	ppbv	
41) Tetrahydrofuran	6.15	42	63560	0.723	ppbv	99
43) Methyl Methacrylate	8.14	69	7106306m	80.316	ppbv	
44) 2,2,4-Trimethylpentane	7.99	57	98967m	0.244	ppbv	
52) Tetrachloroethene	11.37	164	203326	2.341	ppbv	98
53) Toluene	9.95	91	1656514	6.541	ppbv	100
58) Ethyl Benzene	12.87	91	54126	0.162	ppbv #	88
59) m/p-Xylene	13.12	91	190016m	0.628	ppbv	
60) o-Xylene	13.85	91	57745	0.189	ppbv	97
72) 4-Ethyltoluene	16.00	105	67376m	0.198	ppbv	
73) 1,3,5-Trimethylbenzene	16.16	105	60720m	0.182	ppbv	
74) 1,2,4-Trimethylbenzene	16.93	105	259494	0.691	ppbv #	66
76) 1,4-Dichlorobenzene	17.31	146	20841m	0.101	ppbv	
79) Naphthalene	22.42	128	39502m	0.163	ppbv	

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

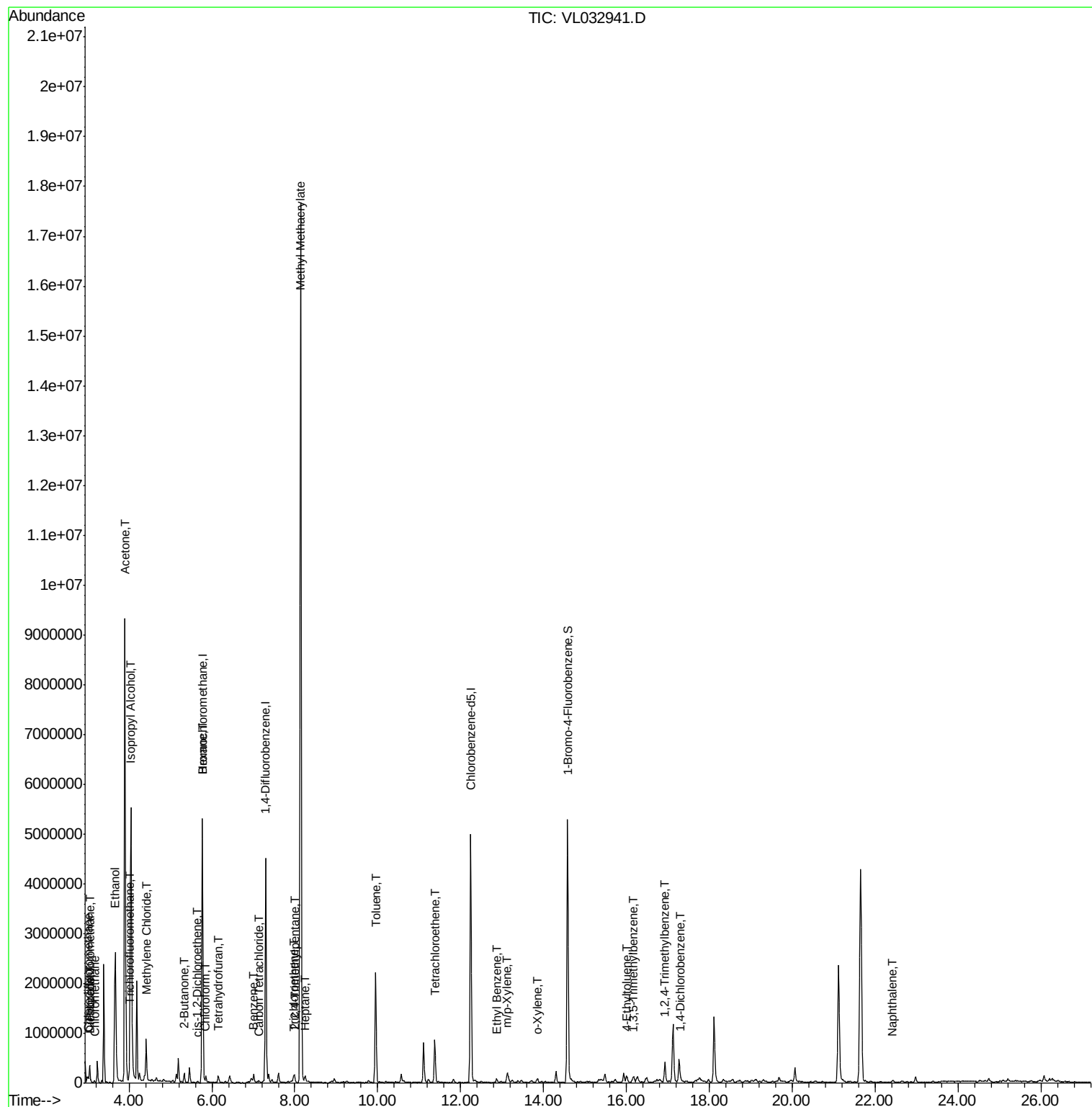
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
Data File : VL032941.D
Acq On : 7 Dec 2018 19:13
Operator : SY/AP
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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

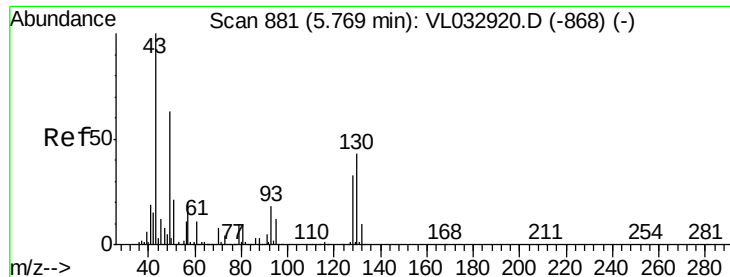
Instrument :
MSVOA_L
ClientSampleId :
IA4

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:09:15 AM

Quant Time: Dec 10 20:14:08 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampled :

IA4

Tgt Ion: 49 Resp: 1273068

Ion Ratio Lower Upper

49 100

128 52.5 26.3 78.8

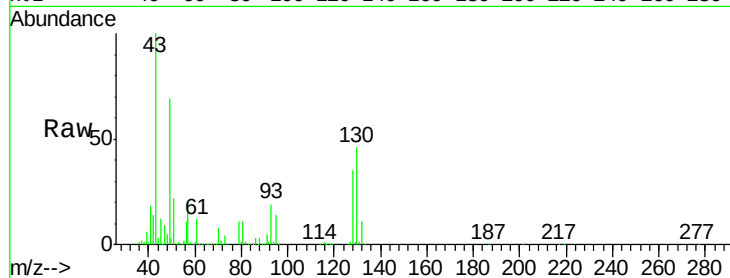
130 66.9 33.9 101.7

Manual Integrations

APPROVED

MMDadoda

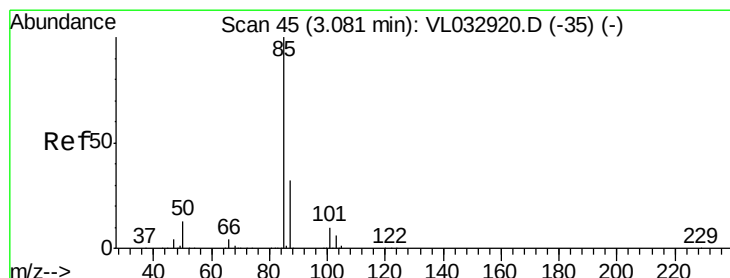
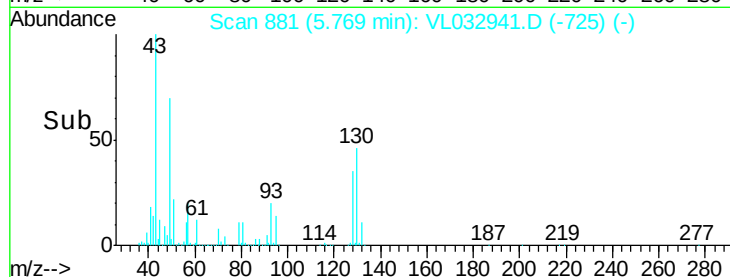
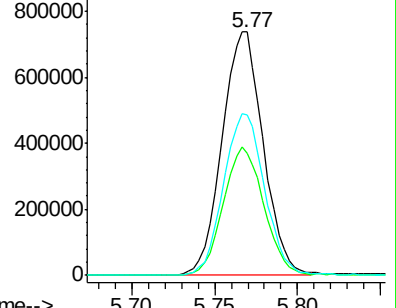
12/11/2018 10:09:15 AM



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



#2

Dichlorodifluoromethane

Concen: 0.202 ppbv

RT: 3.08 min Scan# 43

Delta R.T. -0.01 min

Lab File: VL032941.D

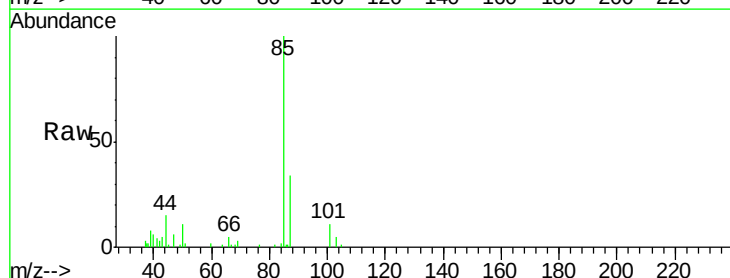
Acq: 7 Dec 2018 19:13

Tgt Ion: 85 Resp: 34353

Ion Ratio Lower Upper

85 100

87 34.5 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Ion 89.00 (88.70 to 89.70): VL0

Ion 91.00 (90.70 to 91.70): VL0

Ion 93.00 (92.70 to 93.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 101.00 (100.70 to 101.70): VL0

Ion 103.00 (102.70 to 103.70): VL0

Ion 105.00 (104.70 to 105.70): VL0

Ion 107.00 (106.70 to 107.70): VL0

Ion 109.00 (108.70 to 109.70): VL0

Ion 111.00 (110.70 to 111.70): VL0

Ion 113.00 (112.70 to 113.70): VL0

Ion 115.00 (114.70 to 115.70): VL0

Ion 117.00 (116.70 to 117.70): VL0

Ion 119.00 (118.70 to 119.70): VL0

Ion 121.00 (120.70 to 121.70): VL0

Ion 123.00 (122.70 to 123.70): VL0

Ion 125.00 (124.70 to 125.70): VL0

Ion 127.00 (126.70 to 127.70): VL0

Ion 129.00 (128.70 to 129.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 133.00 (132.70 to 133.70): VL0

Ion 135.00 (134.70 to 135.70): VL0

Ion 137.00 (136.70 to 137.70): VL0

Ion 139.00 (138.70 to 139.70): VL0

Ion 141.00 (140.70 to 141.70): VL0

Ion 143.00 (142.70 to 143.70): VL0

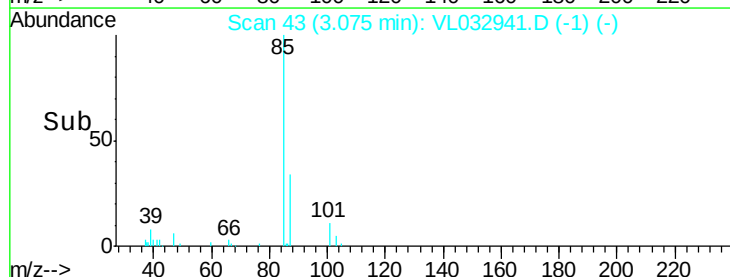
Ion 145.00 (144.70 to 145.70): VL0

Ion 147.00 (146.70 to 147.70): VL0

Ion 149.00 (148.70 to 149.70): VL0

Ion 151.00 (150.70 to 151.70): VL0

Ion 153.00 (152.70 to 153.70): VL0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Ion 89.00 (88.70 to 89.70): VL0

Ion 91.00 (90.70 to 91.70): VL0

Ion 93.00 (92.70 to 93.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 101.00 (100.70 to 101.70): VL0

Ion 103.00 (102.70 to 103.70): VL0

Ion 105.00 (104.70 to 105.70): VL0

Ion 107.00 (106.70 to 107.70): VL0

Ion 109.00 (108.70 to 109.70): VL0

Ion 111.00 (110.70 to 111.70): VL0

Ion 113.00 (112.70 to 113.70): VL0

Ion 115.00 (114.70 to 115.70): VL0

Ion 117.00 (116.70 to 117.70): VL0

Ion 119.00 (118.70 to 119.70): VL0

Ion 121.00 (120.70 to 121.70): VL0

Ion 123.00 (122.70 to 123.70): VL0

Ion 125.00 (124.70 to 125.70): VL0

Ion 127.00 (126.70 to 127.70): VL0

Ion 129.00 (128.70 to 129.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 133.00 (132.70 to 133.70): VL0

Ion 135.00 (134.70 to 135.70): VL0

Ion 137.00 (136.70 to 137.70): VL0

Ion 139.00 (138.70 to 139.70): VL0

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Ion 143.00 (142.70 to 143.70): VL0

Ion 145.00 (144.70 to 145.70): VL0

Ion 147.00 (146.70 to 147.70): VL0

Ion 149.00 (148.70 to 149.70): VL0

Ion 151.00 (150.70 to 151.70): VL0

Ion 153.00 (152.70 to 153.70): VL0

Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Ion 89.00 (88.70 to 89.70): VL0

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Ion 149.00 (148.70 to 149.70): VL0

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Ion 153.00 (152.70 to 153.70): VL0

Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Ion 89.00 (88.70 to 89.70): VL0

Ion 91.00 (90.70 to 91.70): VL0

Ion 93.00 (92.70 to 93.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 101.00 (100.70 to 101.70): VL0

Ion 103.00 (102.70 to 103.70): VL0

Ion 105.00 (104.70 to 105.70): VL0

Ion 107.00 (106.70 to 107.70): VL0

Ion 109.00 (108.70 to 109.70): VL0

Ion 111.00 (110.70 to 111.70): VL0

Ion 113.00 (112.70 to 113.70): VL0

Ion 115.00 (114.70 to 115.70): VL0

Ion 117.00 (116.70 to 117.70): VL0

Ion 119.00 (118.70 to 119.70): VL0

Ion 121.00 (120.70 to 121.70): VL0

Ion 123.00 (122.70 to 123.70): VL0

Ion 125.00 (124.70 to 125.70): VL0

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Ion 129.00 (128.70 to 129.70): VL0

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Ion 143.00 (142.70 to 143.70): VL0

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Ion 147.00 (146.70 to 147.70): VL0

Ion 149.00 (148.70 to 149.70): VL0

Ion 151.00 (150.70 to 151.70): VL0

Ion 153.00 (152.70 to 153.70): VL0

Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Ion 89.00 (88.70 to 89.70): VL0

Ion 91.00 (90.70 to 91.70): VL0

Ion 93.00 (92.70 to 93.70): VL0

Ion 95.00 (94.70 to 95.70): VL0

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 101.00 (100.70 to 101.70): VL0

Ion 103.00 (102.70 to 103.70): VL0

Ion 105.00 (104.70 to 105.70): VL0

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Ion 111.00 (110.70 to 111.70): VL0

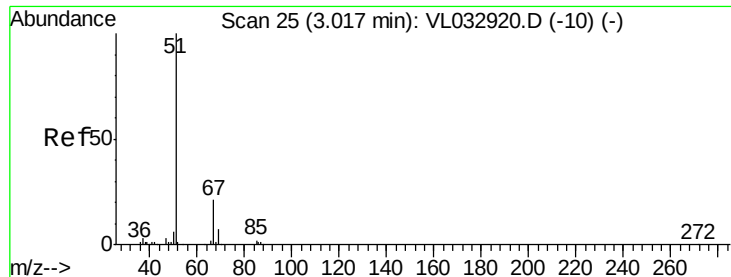
Ion 113.00 (112.70 to 113.70): VL0

Ion 115.00 (114.70 to 115.70): VL0

Ion 117.00 (116.70 to 117.70): VL0

Ion 119.00 (118.70 to 119.70): VL0

Ion 121.00 (120.70 to 121.70): VL0



#3

Chlorodifluoromethane

Concen: 1.053 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampleId :

IA4

Tgt Ion: 51 Resp: 101544

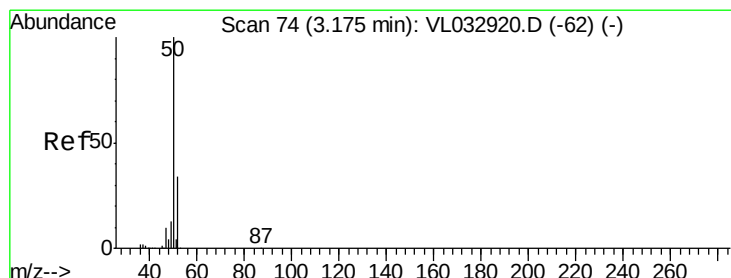
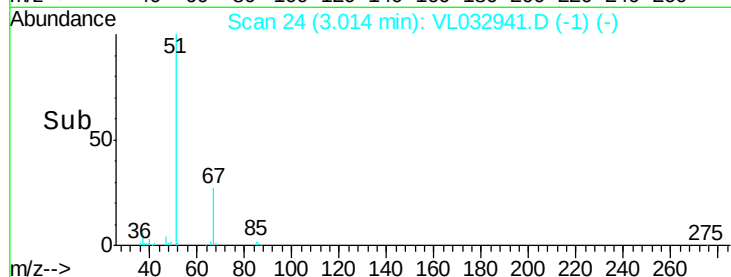
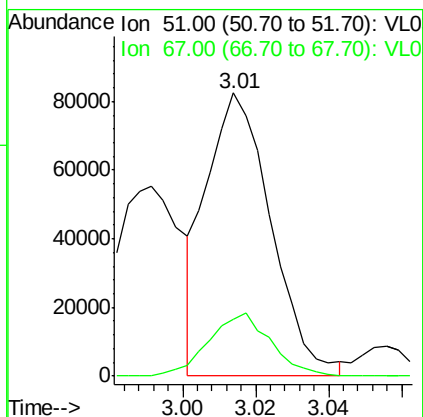
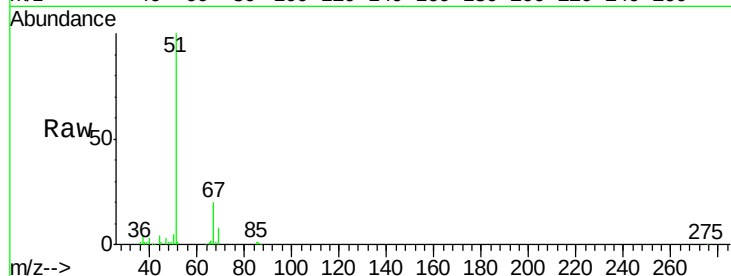
Ion Ratio Lower Upper

51 100

67 21.4 16.8 25.2

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#4

Chloromethane

Concen: 0.594 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032941.D

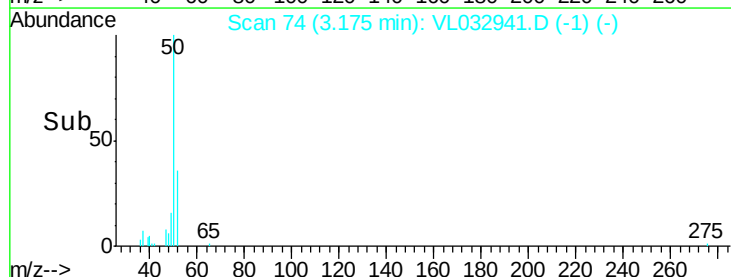
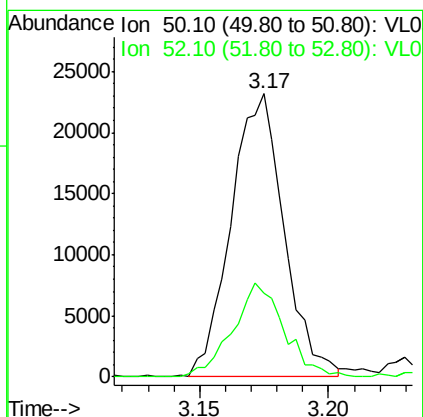
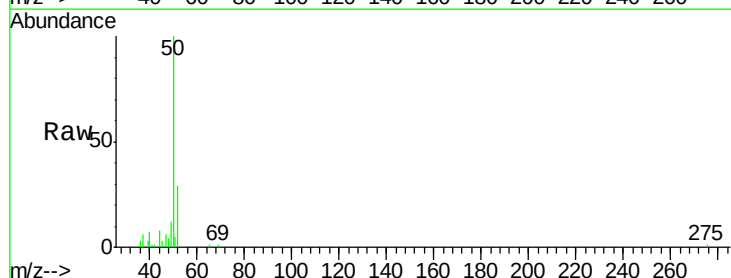
Acq: 7 Dec 2018 19:13

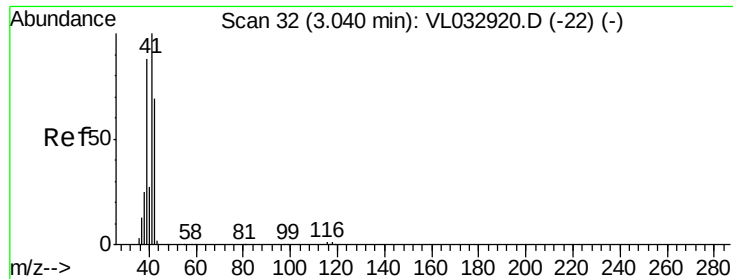
Tgt Ion: 50 Resp: 33318

Ion Ratio Lower Upper

50 100

52 28.1 27.3 40.9





#9

Propene

Concen: 2.043 ppbv m

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampled :

IA4

Tgt Ion: 41 Resp: 77896

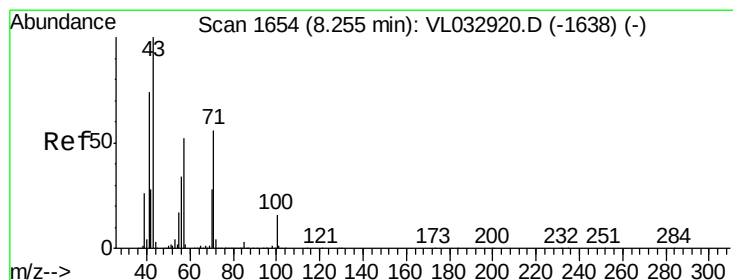
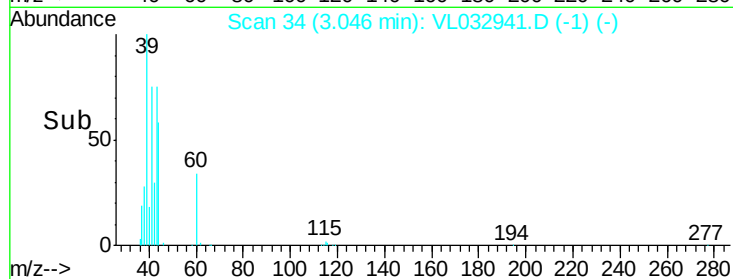
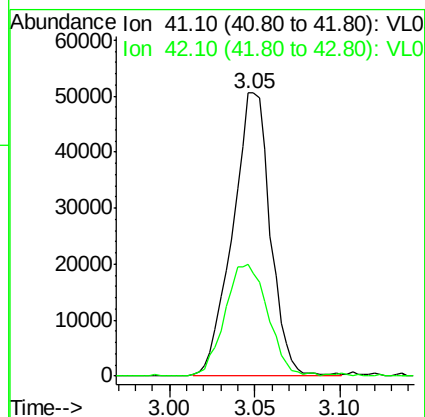
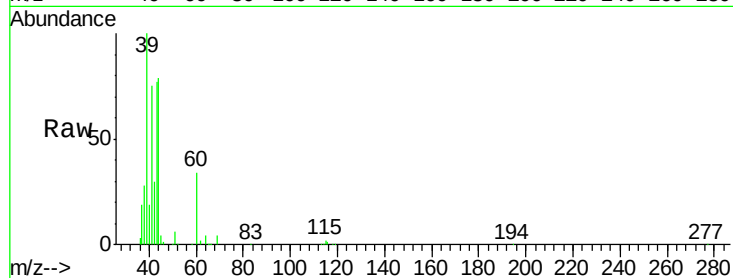
Ion Ratio Lower Upper

41 100

42 96.8 56.2 84.2#

Manual Integrations
APPROVED

MMDadoda
12/11/2018 10:09:15 AM



#10

Heptane

Concen: 0.304 ppbv

RT: 8.25 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL032941.D

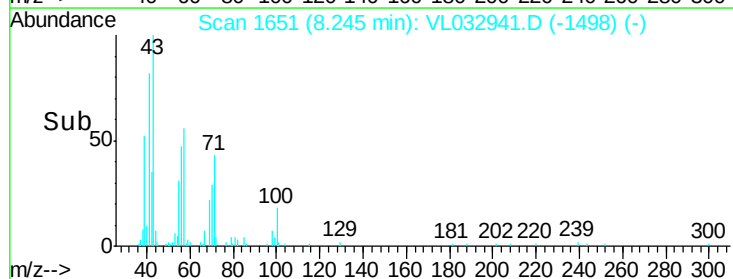
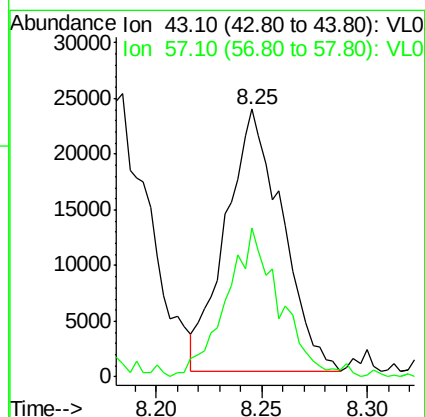
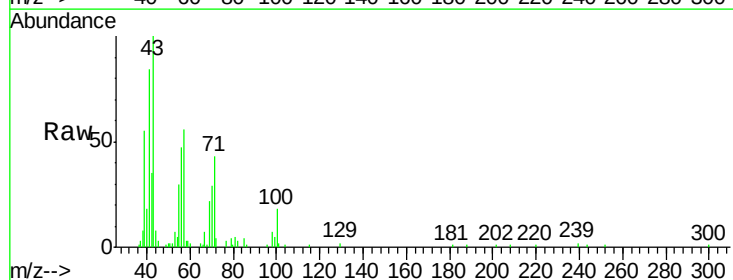
Acq: 7 Dec 2018 19:13

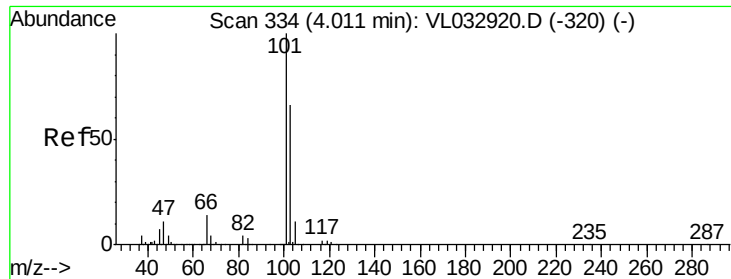
Tgt Ion: 43 Resp: 43605

Ion Ratio Lower Upper

43 100

57 55.0 41.8 62.6





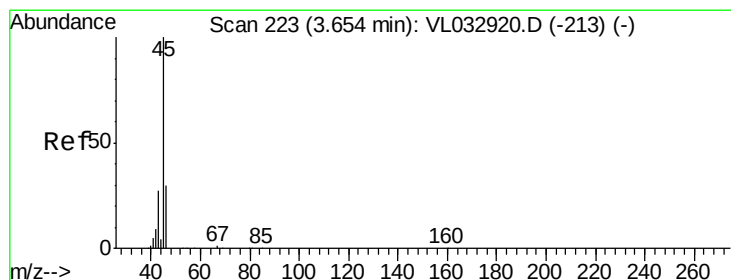
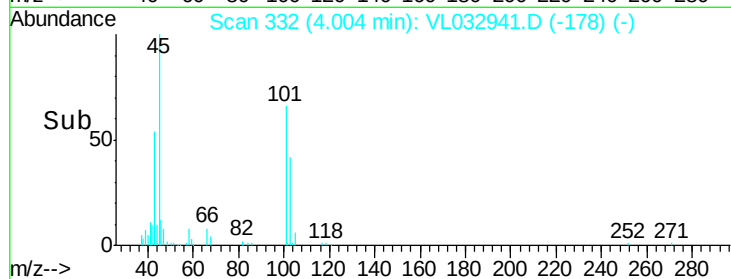
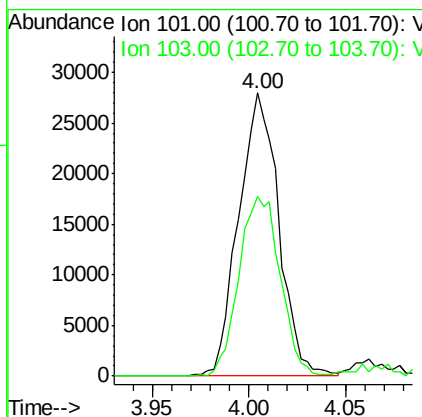
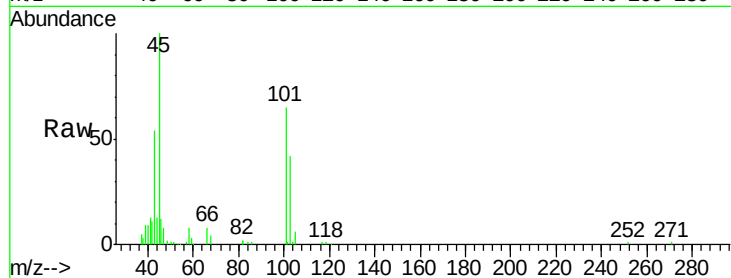
#11
 Trichlorofluoromethane
 Concen: 0.252 ppbv
 RT: 4.00 min Scan# 332
 Delta R.T. -0.01 min
 Lab File: VL032941.D
 Acq: 7 Dec 2018 19:13

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4

Tgt Ion: 101 Resp: 40322
 Ion Ratio Lower Upper
 101 100
 103 63.6 52.7 79.1

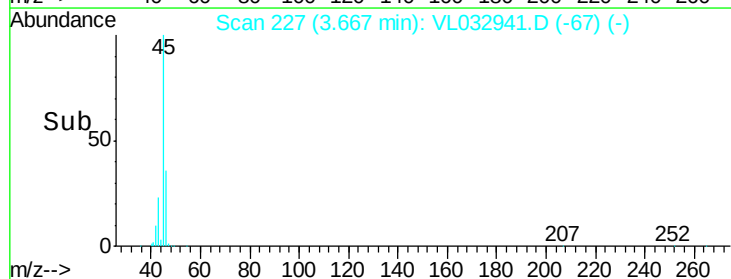
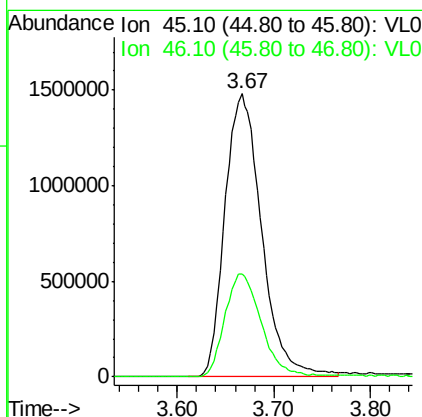
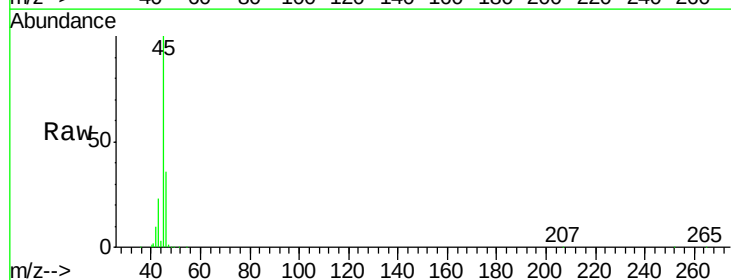
Manual Integrations
 APPROVED

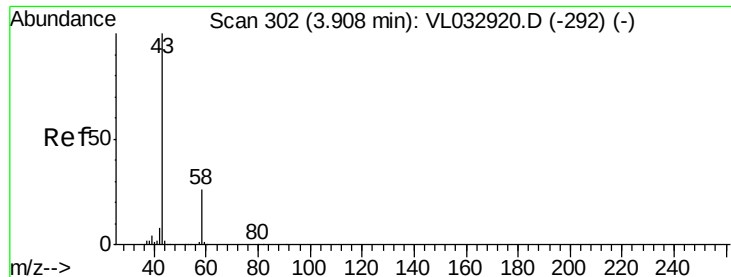
MMDadoda
 12/11/2018 10:09:15 AM



#13
 Ethanol
 Concen: 297.813 ppbv
 RT: 3.67 min Scan# 227
 Delta R.T. 0.01 min
 Lab File: VL032941.D
 Acq: 7 Dec 2018 19:13

Tgt Ion: 45 Resp: 3909146
 Ion Ratio Lower Upper
 45 100
 46 37.3 13.8 55.4





#15

Acetone

Concen: 94.361 ppbv

RT: 3.90 min Scan# 299

Delta R.T. -0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampled :

IA4

Tgt Ion: 43 Resp:10310974

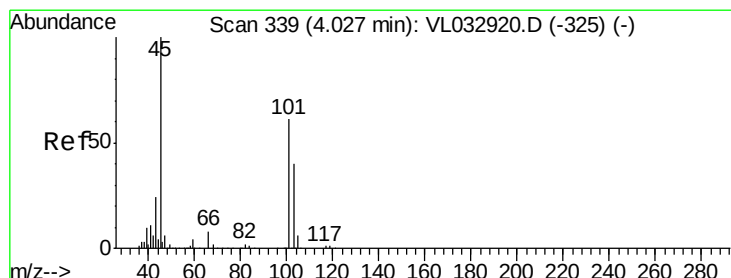
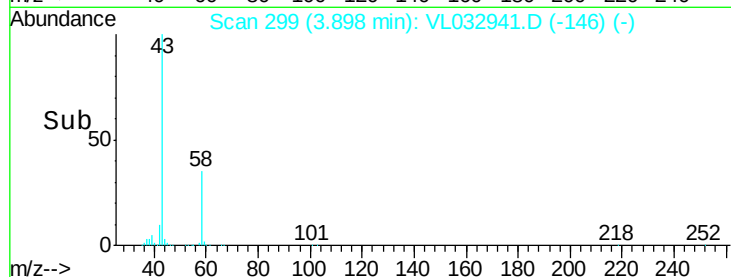
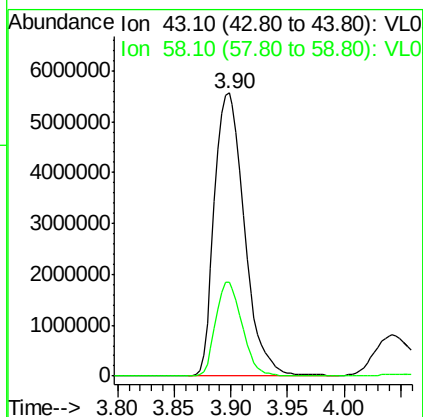
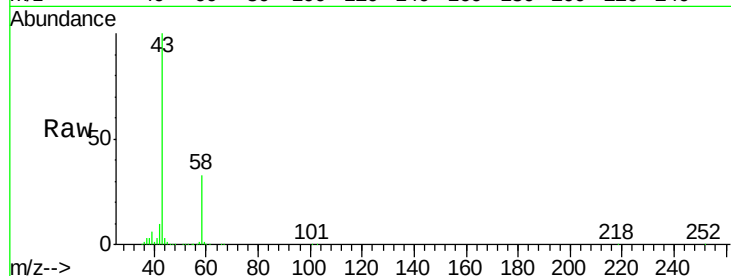
Ion Ratio Lower Upper

43 100

58 29.4 20.6 30.8

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#19

Isopropyl Alcohol

Concen: 119.009 ppbv

RT: 4.04 min Scan# 344

Delta R.T. 0.02 min

Lab File: VL032941.D

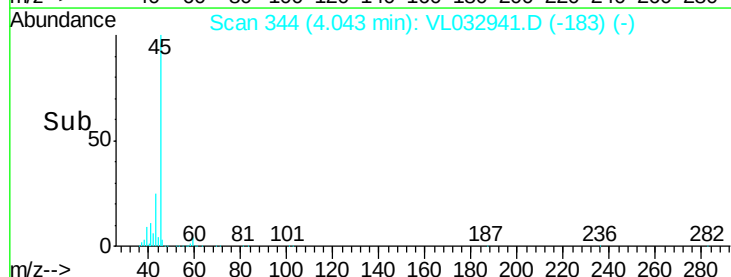
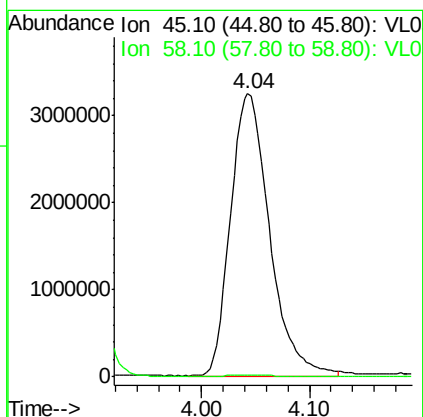
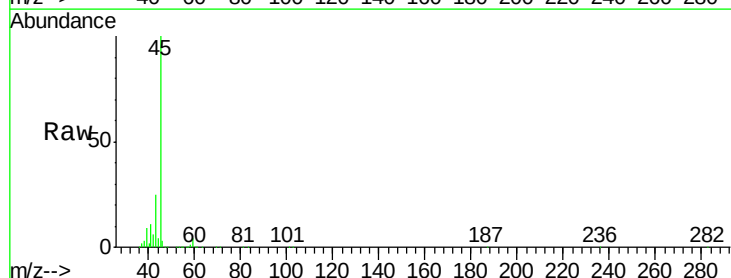
Acq: 7 Dec 2018 19:13

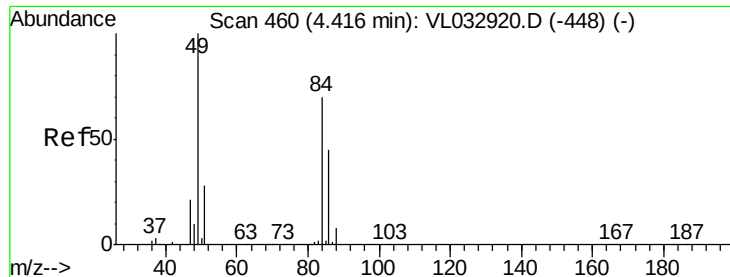
Tgt Ion: 45 Resp: 8166717

Ion Ratio Lower Upper

45 100

58 37.1 1.4 2.2#





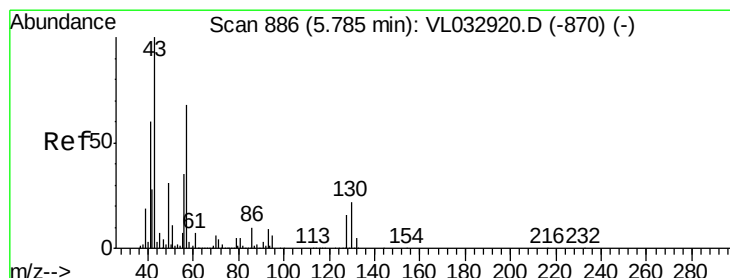
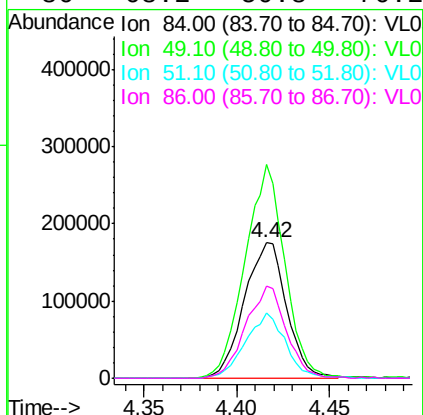
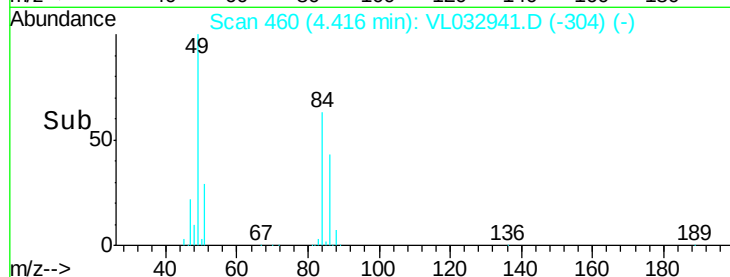
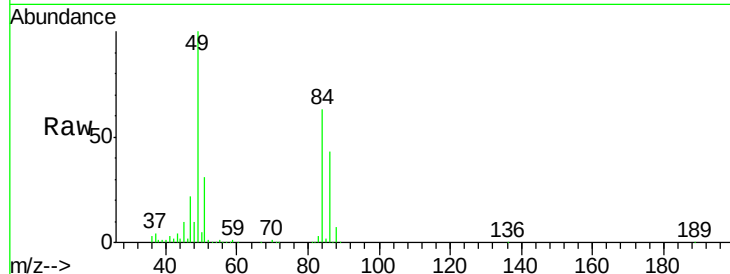
#20
Methylene Chloride
Concen: 5.215 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Instrument :
MSVOA_L
ClientSampleId :
IA4

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.7	113.8	170.8
51	48.3	31.8	47.8#
86	68.2	50.8	76.2

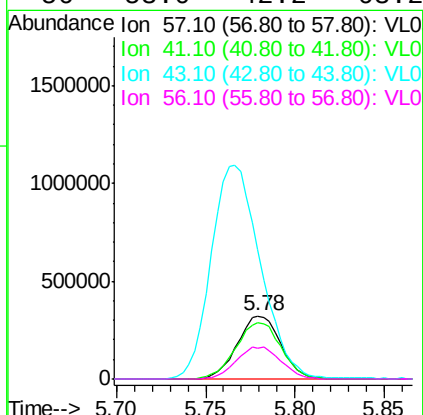
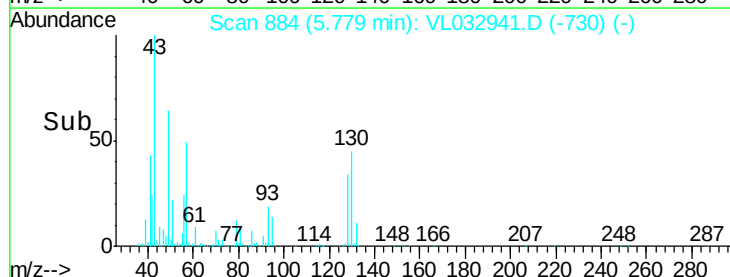
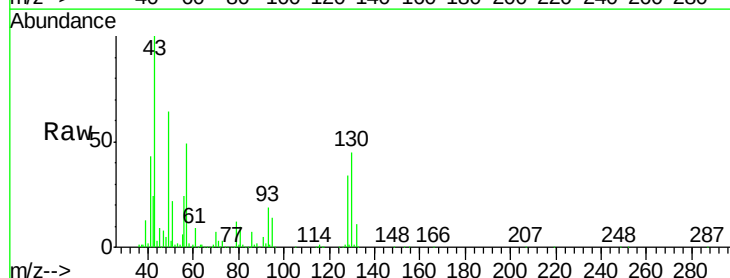
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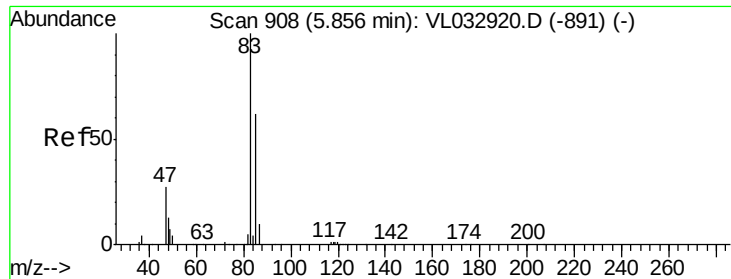
MMDadoda
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#26
Hexane
Concen: 4.600 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.01 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Tgt Ion	Ratio	Lower	Upper
57	100		
41	93.7	72.2	108.2
43	385.4	171.9	257.9#
56	53.0	42.2	63.2





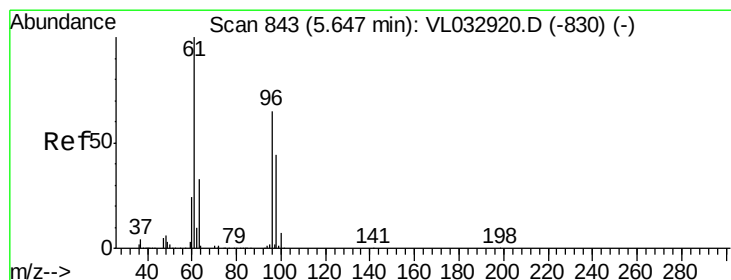
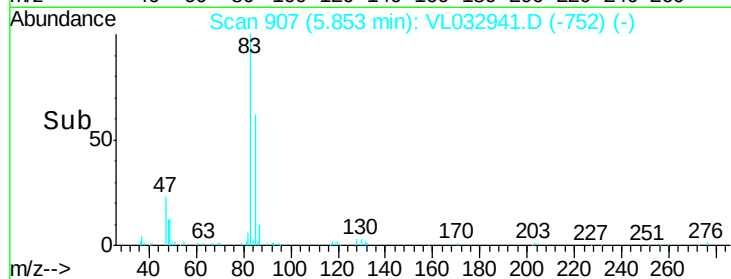
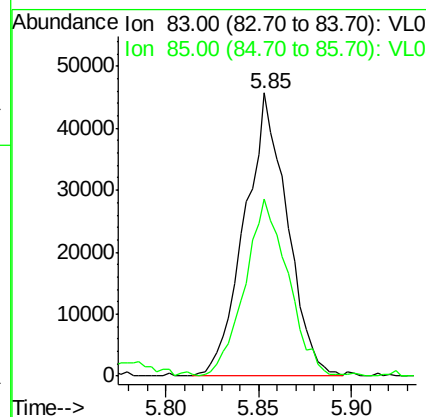
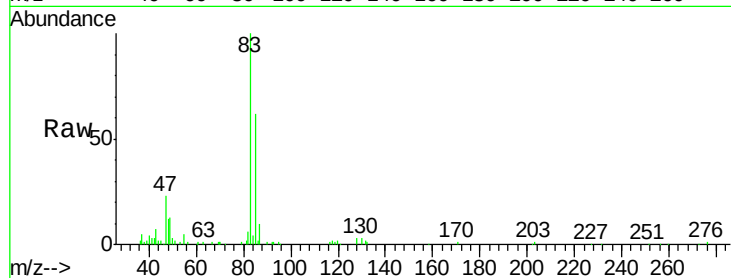
#29
Chloroform
Concen: 0.343 ppbv
RT: 5.85 min Scan# 907
Delta R.T. -0.00 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Instrument :
MSVOA_L
ClientSampled :
IA4

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.8	49.8	74.8

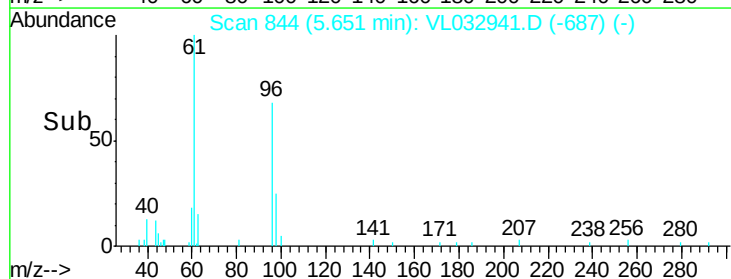
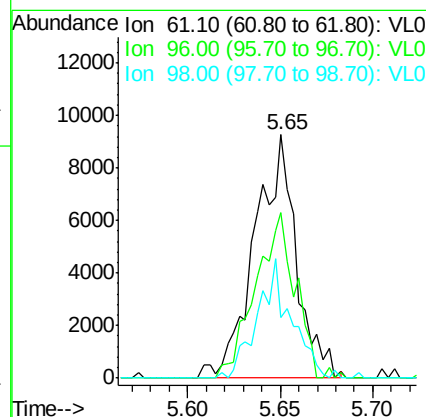
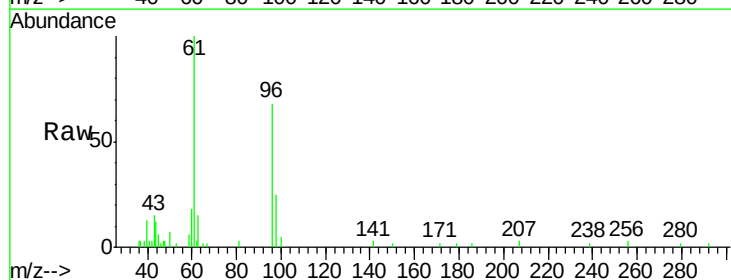
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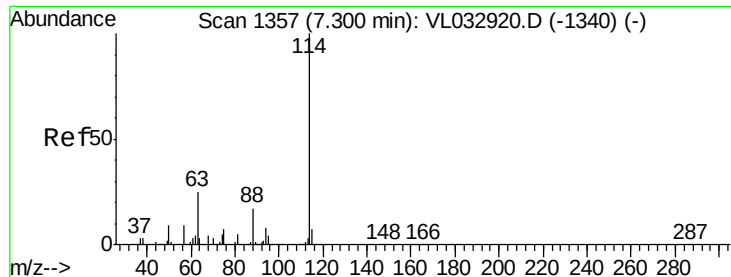
MMDadoda
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#31
cis-1,2-Dichloroethene
Concen: 0.132 ppbv m
RT: 5.65 min Scan# 844
Delta R.T. 0.00 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Tgt Ion	Ratio	Lower	Upper
61	100		
96	67.8	51.9	77.9
98	24.8	35.0	52.4#





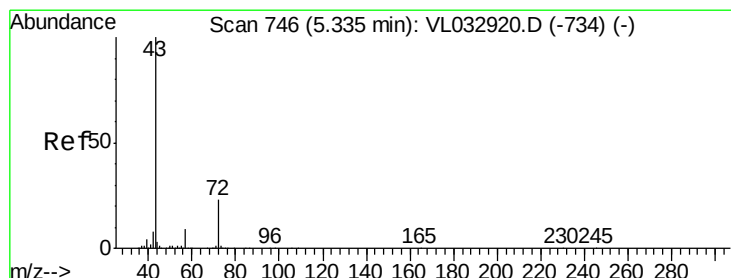
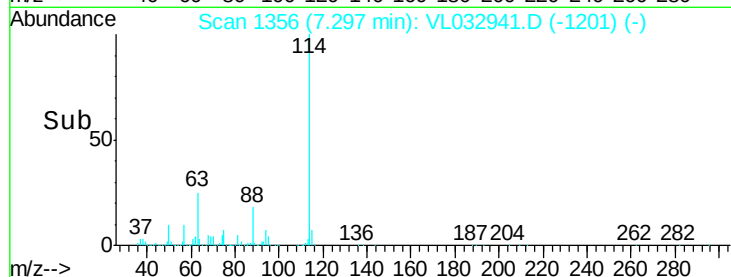
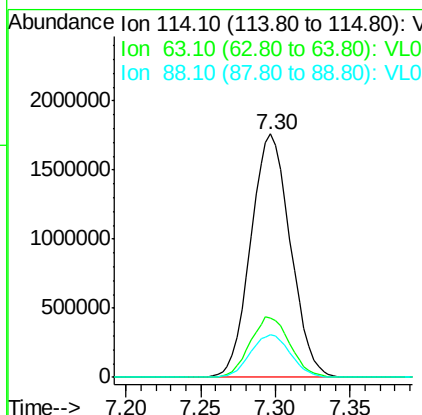
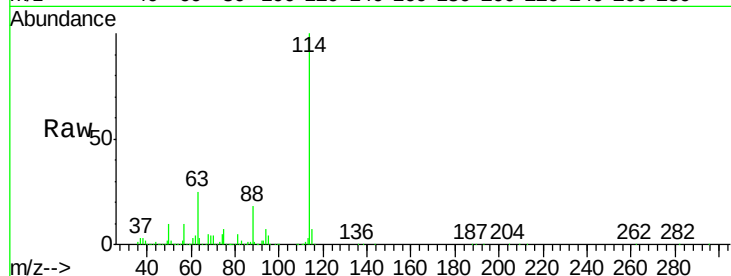
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1356
 Delta R.T. -0.00 min
 Lab File: VL032941.D
 Acq: 7 Dec 2018 19:13

Instrument :
 MSVOA_L
 ClientSampled :
 IA4

Tgt Ion	Ratio	Lower	Upper
114	100		
63	25.2	20.1	30.1
88	17.8	14.2	21.4

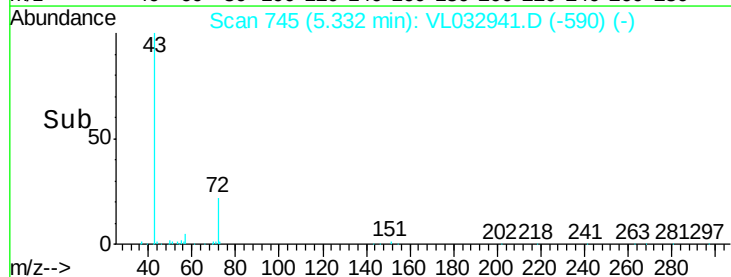
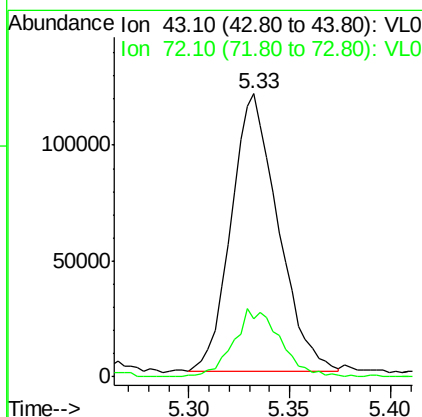
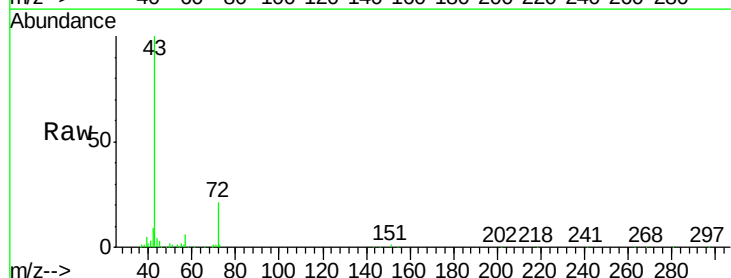
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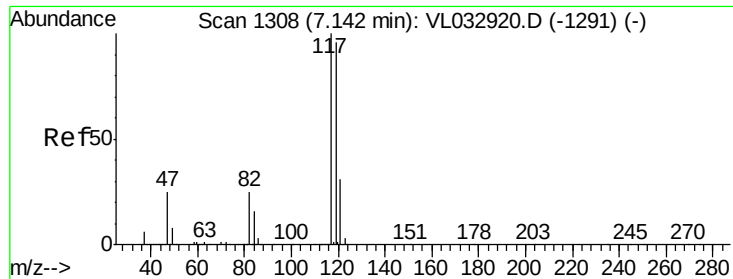
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#34
 2-Butanone
 Concen: 1.386 ppbv
 RT: 5.33 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VL032941.D
 Acq: 7 Dec 2018 19:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.7	18.8	28.2





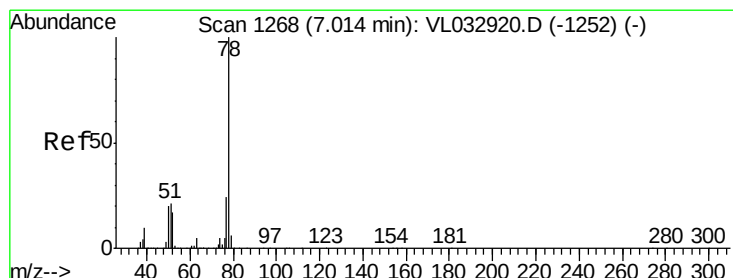
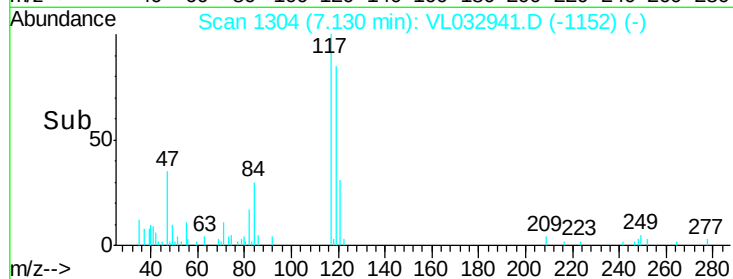
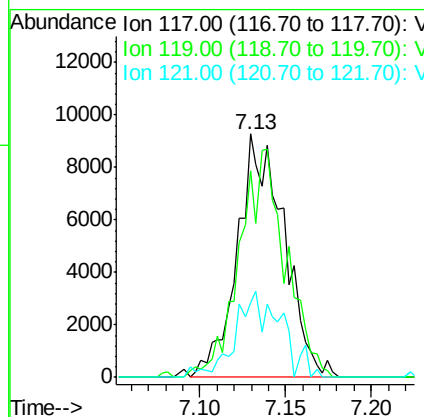
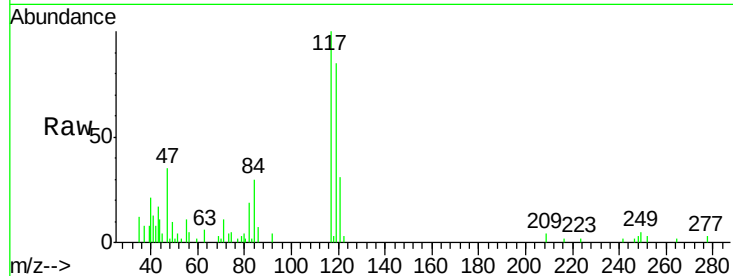
#35
Carbon Tetrachloride
Concen: 0.069 ppbv m
RT: 7.13 min Scan# 1304
Delta R.T. -0.01 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Instrument :
MSVOA_L
ClientSampled :
IA4

Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.7	76.5	114.7
121	30.8	24.5	36.7

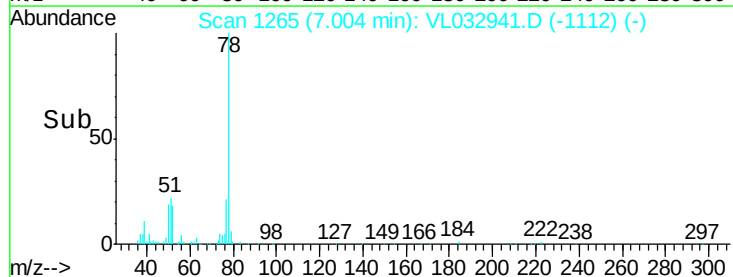
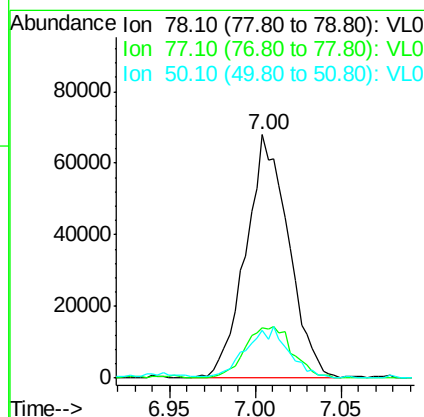
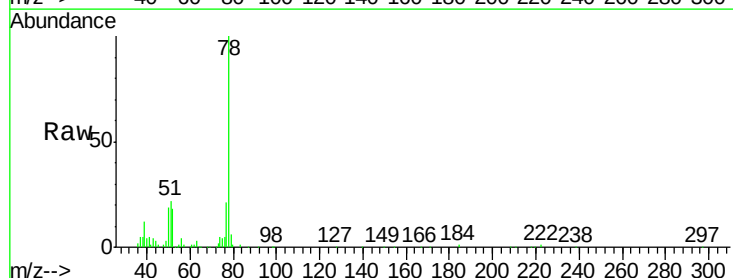
Manual Integrations
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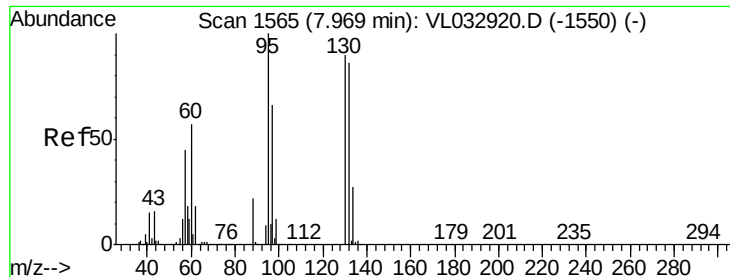
MMDadoda
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#36
Benzene
Concen: 0.488 ppbv
RT: 7.00 min Scan# 1265
Delta R.T. -0.01 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.0	18.9	28.3
50	18.9	16.1	24.1





#38

Trichloroethene

Concen: 0.304 ppbv m

RT: 7.96 min Scan# 1562

Delta R.T. -0.01 min

Lab File: VL032941.D

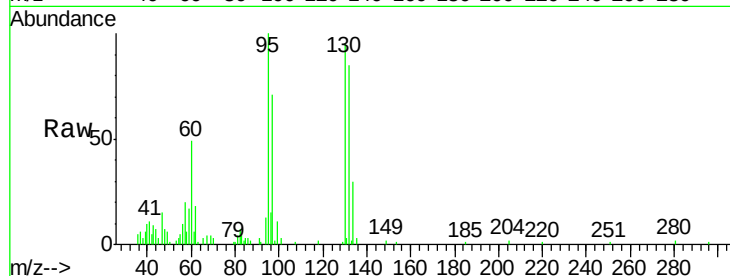
Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampled :

IA4



Tgt Ion: 130 Resp: 30221

Ion Ratio Lower Upper

130 100

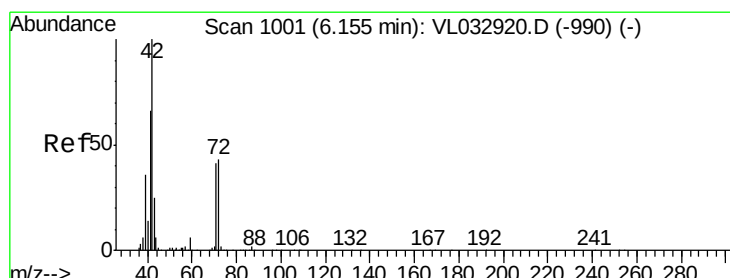
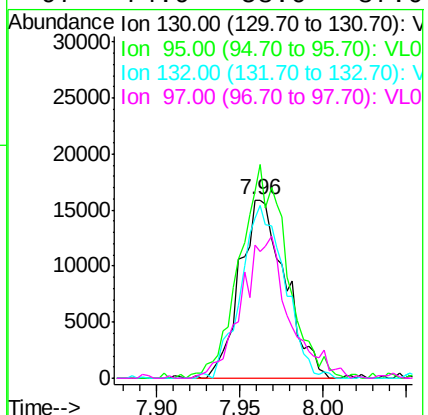
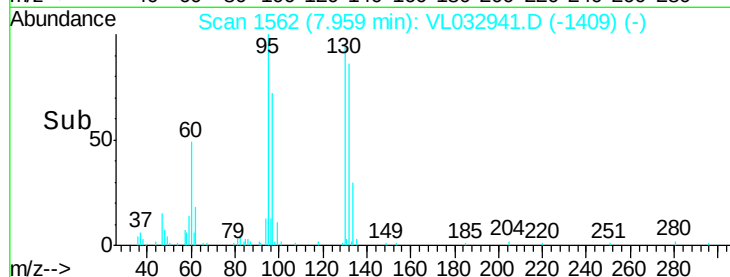
95 105.1 88.6 132.8

132 89.4 76.1 114.1

97 74.9 58.0 87.0

Manual Integrations
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#41

Tetrahydrofuran

Concen: 0.723 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

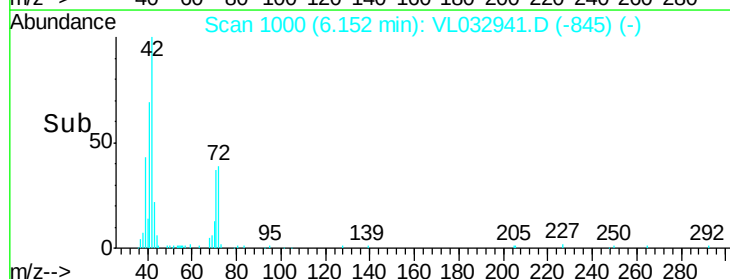
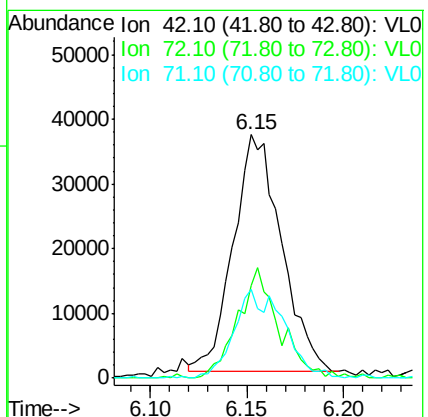
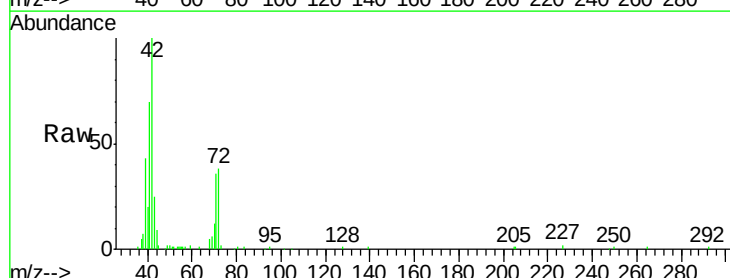
Tgt Ion: 42 Resp: 63560

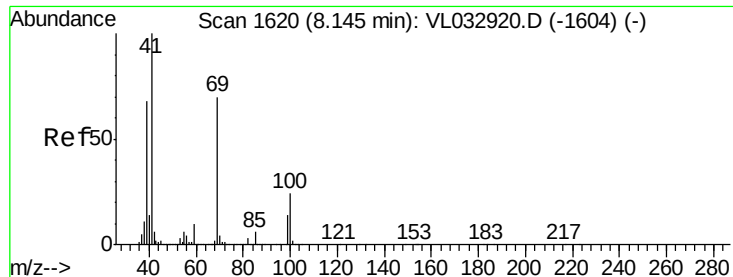
Ion Ratio Lower Upper

42 100

72 40.8 32.9 49.3

71 38.8 32.0 48.0





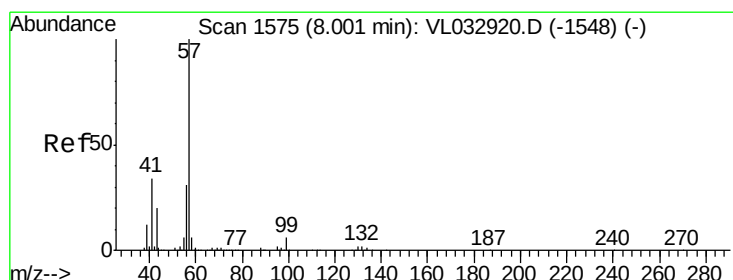
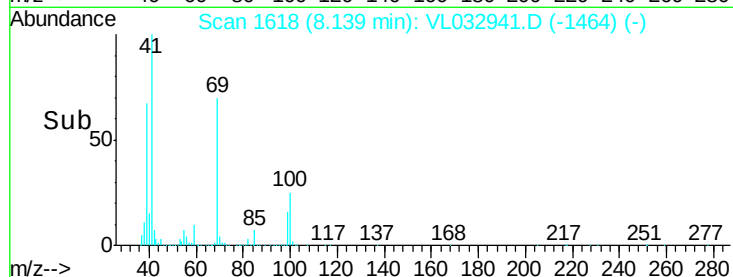
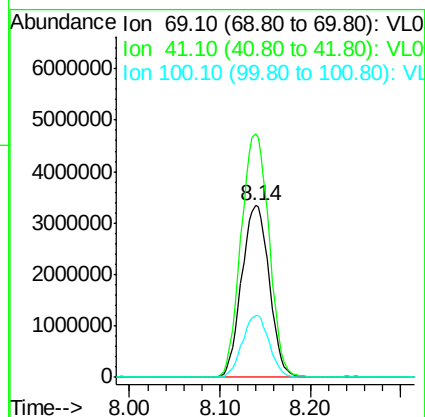
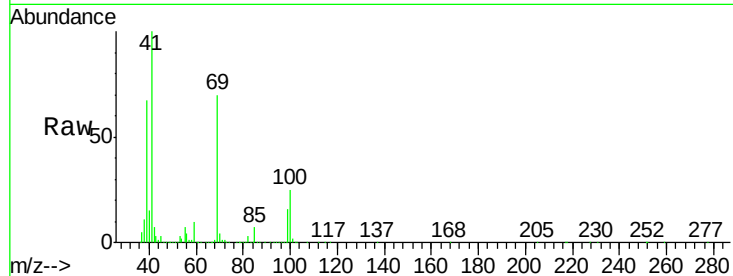
#43
Methyl Methacrylate
Concen: 80.316 ppbv m
RT: 8.14 min Scan# 1618
Delta R.T. -0.01 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Instrument :
MSVOA_L
ClientSampled :
IA4

Tgt Ion: 69 Resp: 7106306
Ion Ratio Lower Upper
69 100
41 0.0 116.6 175.0#
100 0.0 26.5 39.7#

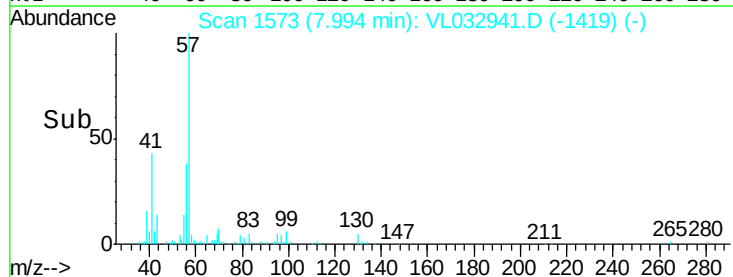
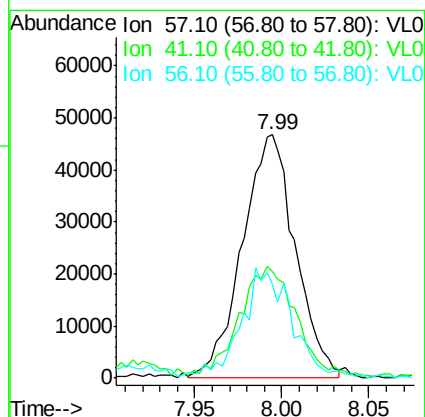
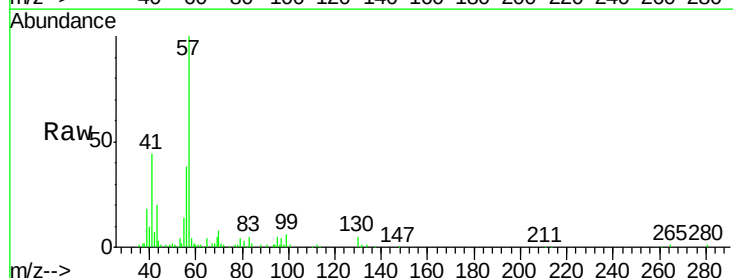
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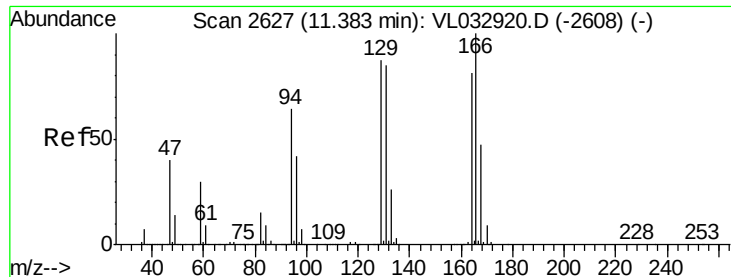
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 0.244 ppbv m
RT: 7.99 min Scan# 1573
Delta R.T. -0.01 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Tgt Ion: 57 Resp: 98967
Ion Ratio Lower Upper
57 100
41 0.0 27.0 40.4#
56 0.0 24.6 37.0#





#52

Tetrachloroethene

Concen: 2.341 ppbv

RT: 11.37 min Scan# 2624

Delta R.T. -0.01 min

Lab File: VL032941.D

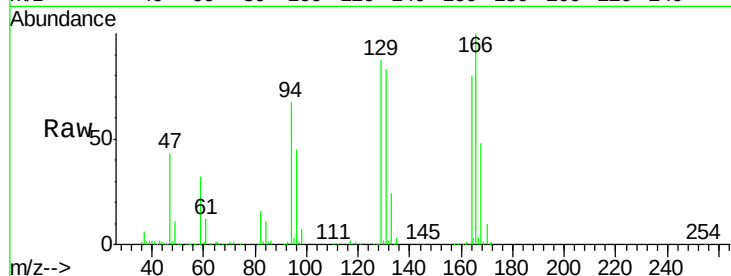
Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampled :

IA4



Tgt Ion: 164 Resp: 203326

Ion Ratio Lower Upper

164 100

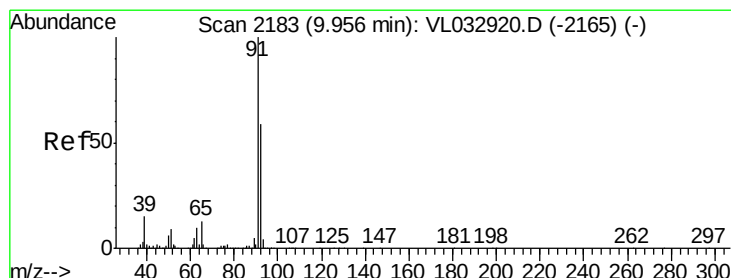
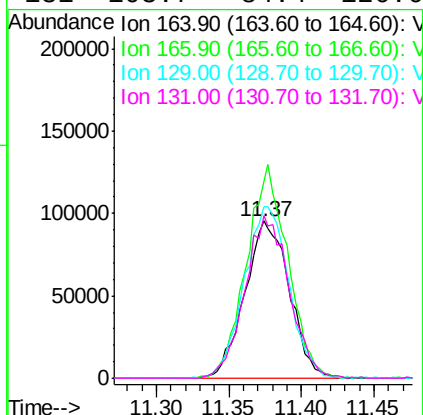
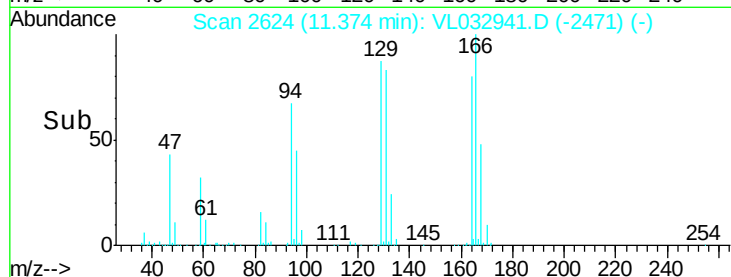
166 124.8 98.8 148.2

129 108.8 85.5 128.3

131 103.7 84.4 126.6

Manual Integrations
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#53

Toluene

Concen: 6.541 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.01 min

Lab File: VL032941.D

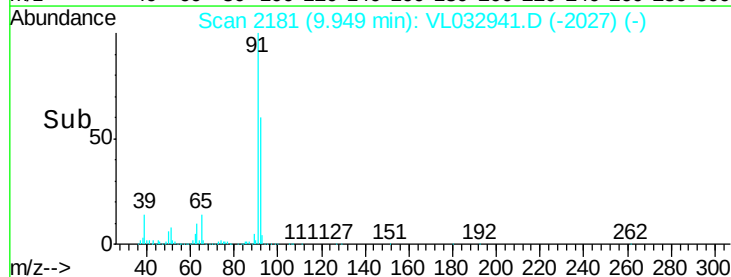
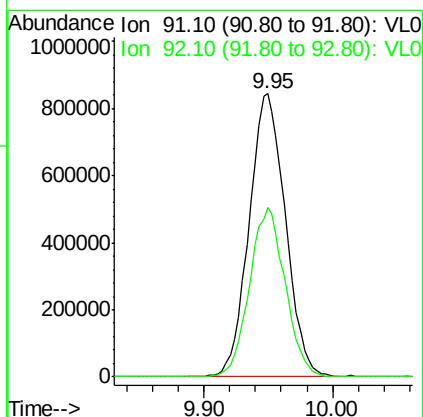
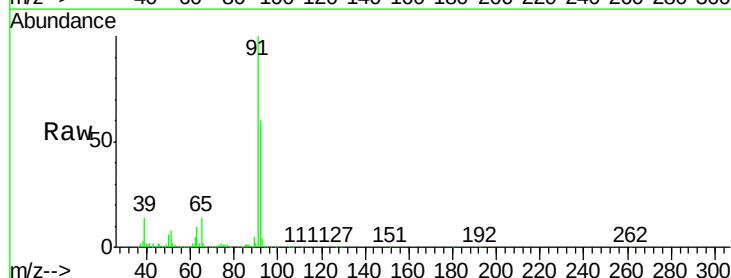
Acq: 7 Dec 2018 19:13

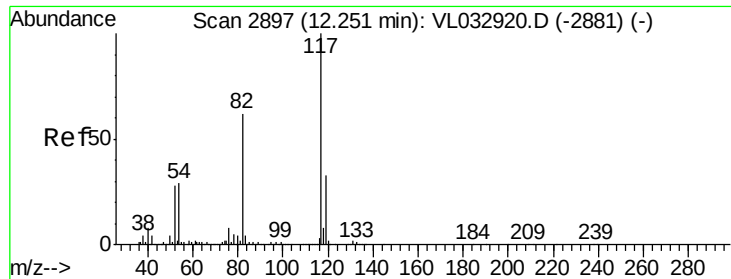
Tgt Ion: 91 Resp: 1656514

Ion Ratio Lower Upper

91 100

92 58.9 47.4 71.0





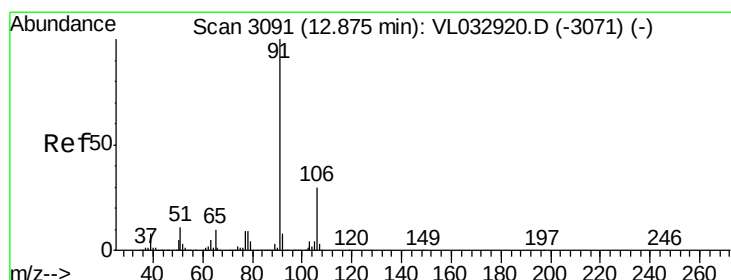
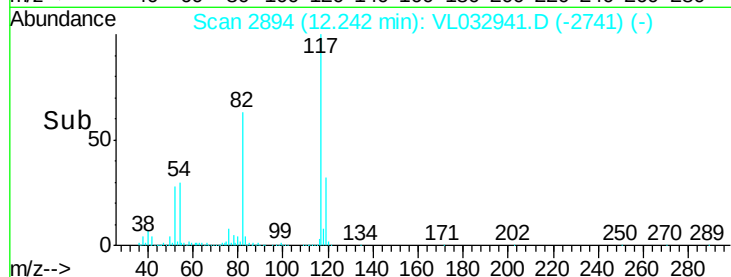
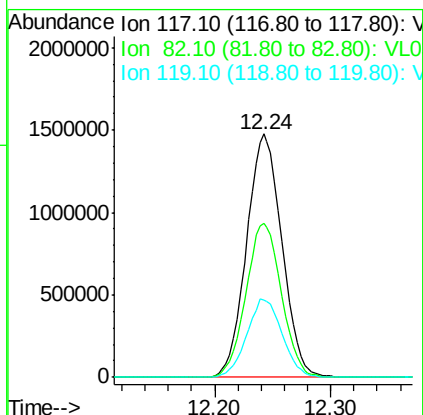
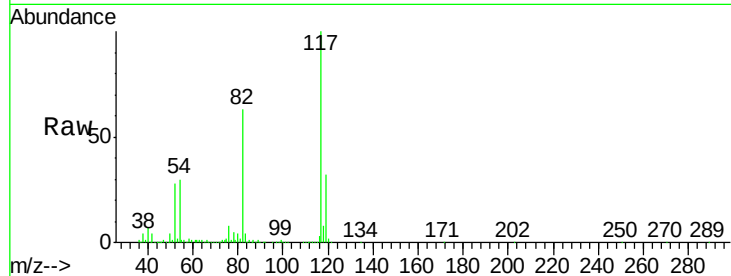
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Instrument :
MSVOA_L
ClientSampleId :
IA4

Tgt Ion	Ratio	Lower	Upper
117	100		
82	63.8	47.8	71.8
119	32.4	43.1	64.7#

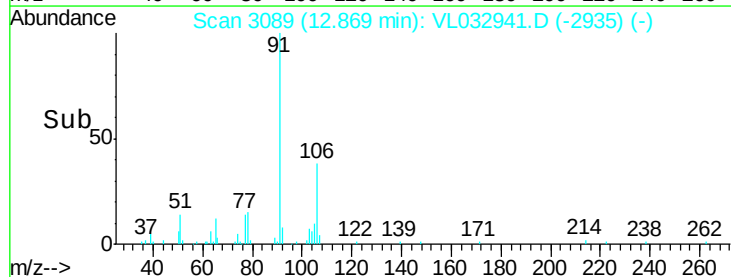
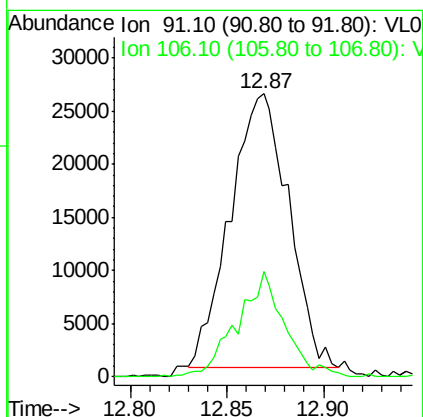
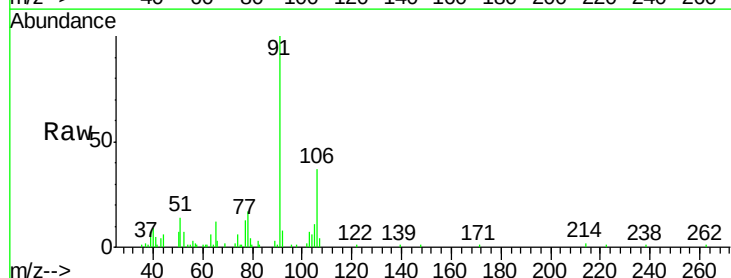
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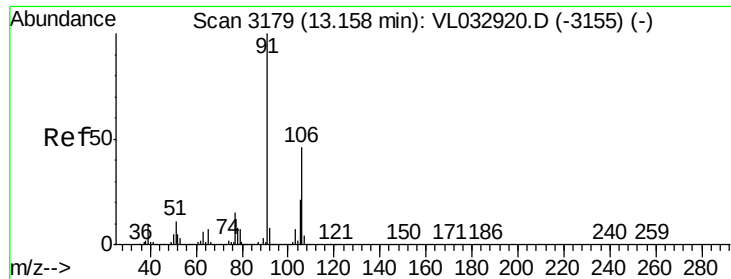
MMDadoda
12/11/2018 10:09:15 AM



#58
Ethyl Benzene
Concen: 0.162 ppbv
RT: 12.87 min Scan# 3089
Delta R.T. -0.01 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.6	23.9	35.9#





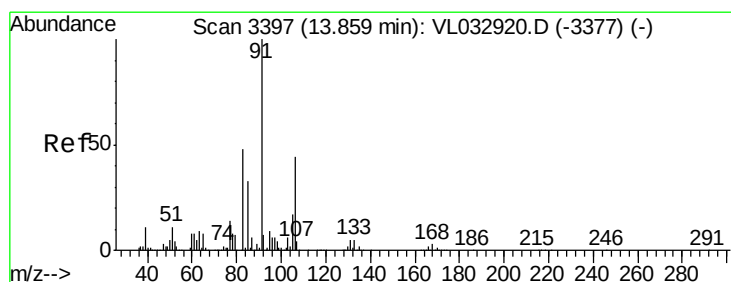
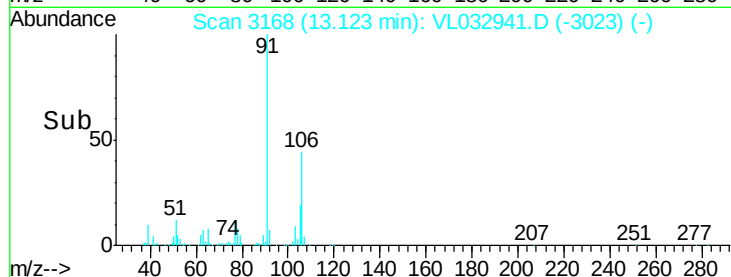
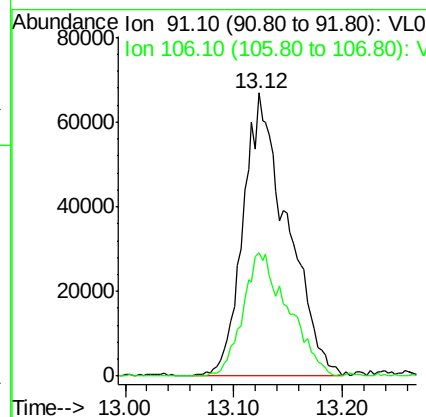
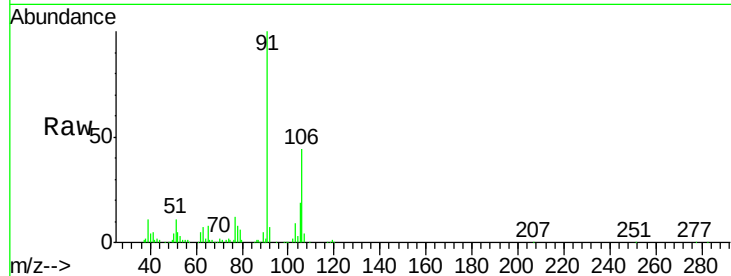
#59
m/p-Xylene
Concen: 0.628 ppbv m
RT: 13.12 min Scan# 3168
Delta R.T. -0.04 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Instrument :
MSVOA_L
ClientSampled :
IA4

Tgt Ion: 91 Resp: 190016
Ion Ratio Lower Upper
91 100
106 0.0 0.0 0.0

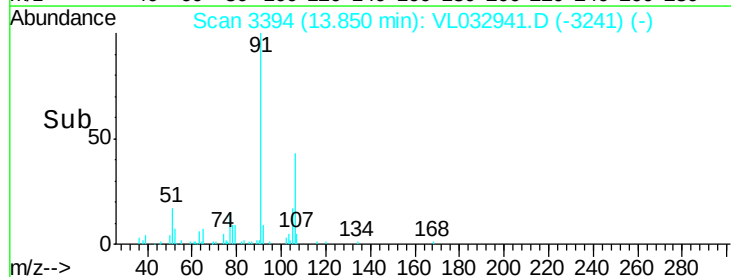
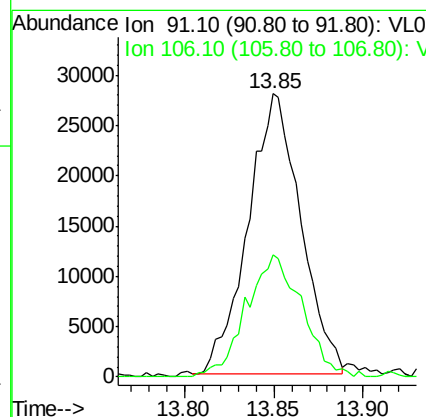
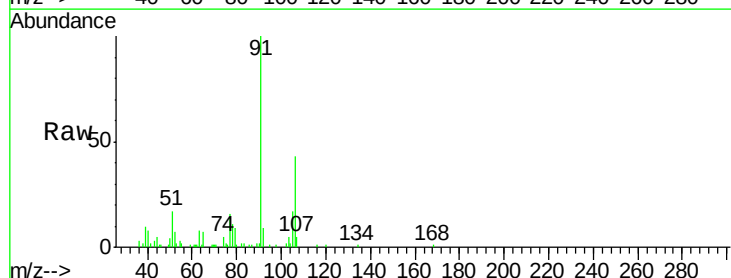
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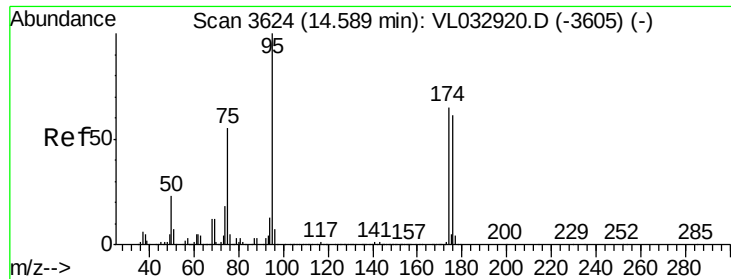
MMDadoda
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#60
o-Xylene
Concen: 0.189 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL032941.D
Acq: 7 Dec 2018 19:13

Tgt Ion: 91 Resp: 57745
Ion Ratio Lower Upper
91 100
106 46.1 21.9 65.8





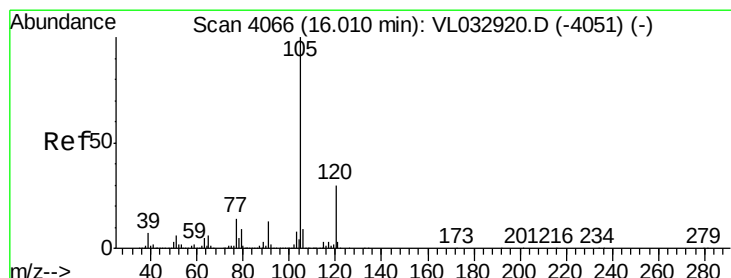
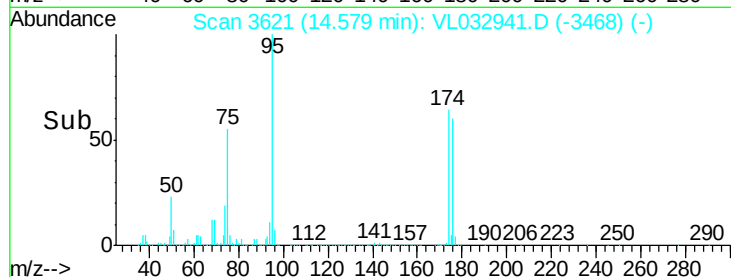
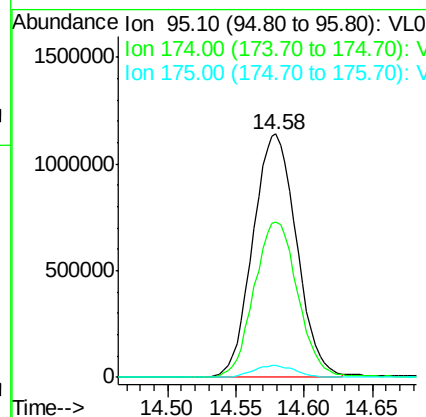
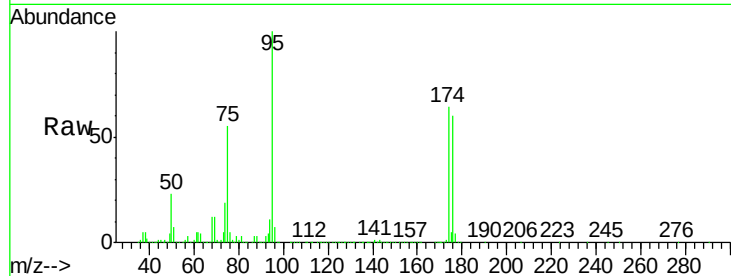
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.970 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.01 min
 Lab File: VL032941.D
 Acq: 7 Dec 2018 19:13

Instrument :
 MSVOA_L
 ClientSampleId :
 IA4

Tgt Ion: 95 Resp: 2533779
 Ion Ratio Lower Upper
 95 100
 174 64.1 51.4 77.0
 175 4.8 3.8 5.6

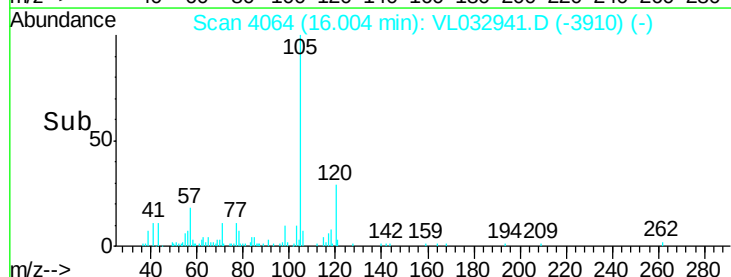
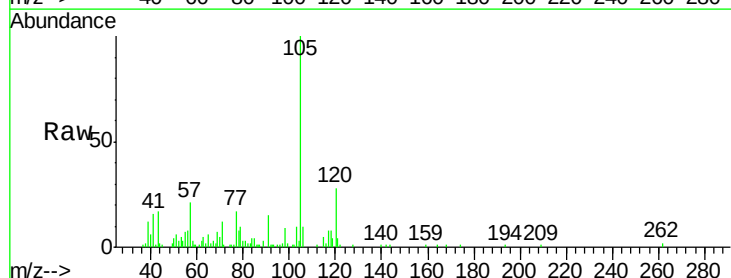
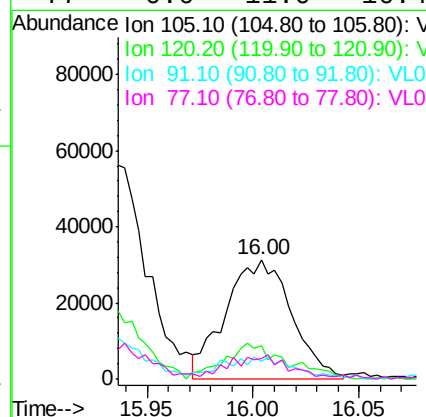
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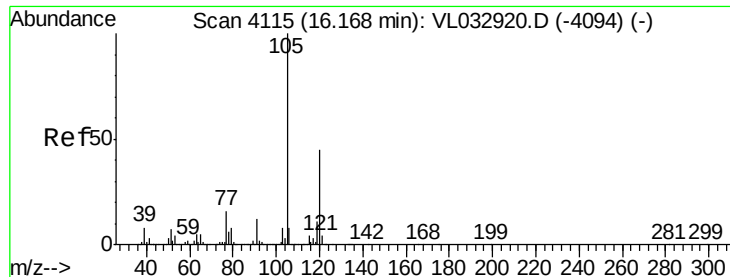
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 12/11/2018 10:09:15 AM



#72
 4-Ethyltoluene
 Concen: 0.198 ppbv m
 RT: 16.00 min Scan# 4064
 Delta R.T. -0.01 min
 Lab File: VL032941.D
 Acq: 7 Dec 2018 19:13

Tgt Ion: 105 Resp: 67376
 Ion Ratio Lower Upper
 105 100
 120 27.2 23.0 34.4
 91 0.0 10.4 15.6#
 77 0.0 11.0 16.4#





#73

1,3,5-Trimethylbenzene

Concen: 0.182 ppbv m

RT: 16.16 min Scan# 4112

Delta R.T. -0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

ClientSampled :

IA4

Tgt Ion:105 Resp: 60720

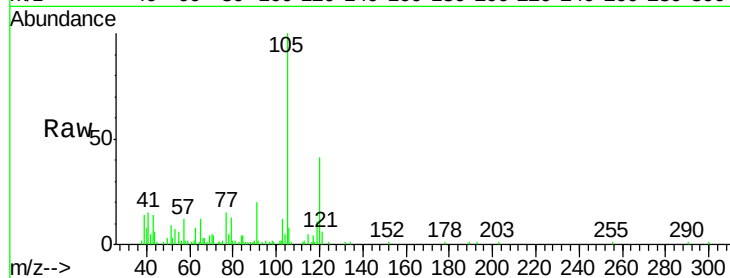
Ion Ratio Lower Upper

105 100

120 41.4 36.0 54.0

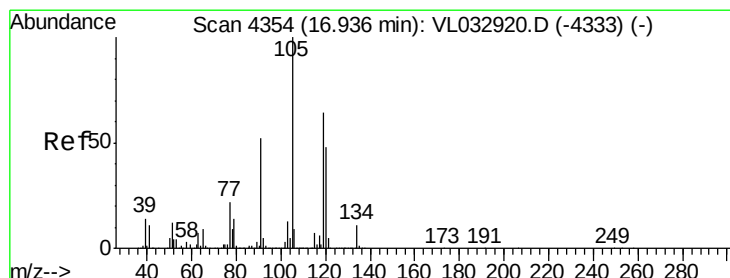
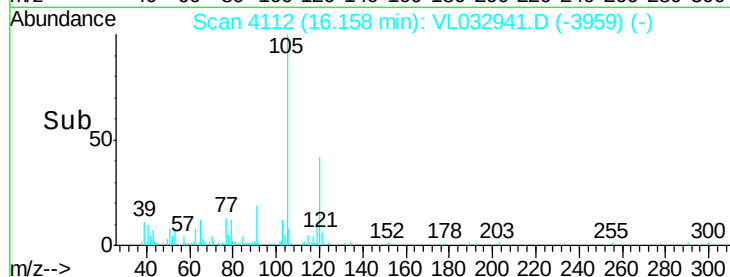
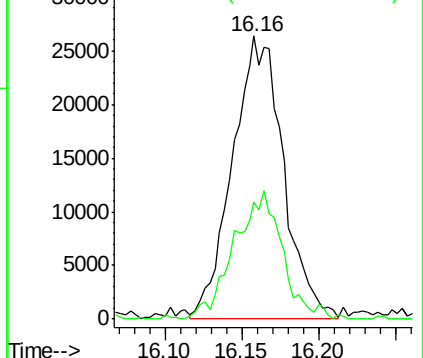
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.691 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Tgt Ion:105 Resp: 259494

Ion Ratio Lower Upper

105 100

120 40.2 38.6 58.0

91 9.0 41.7 62.5#

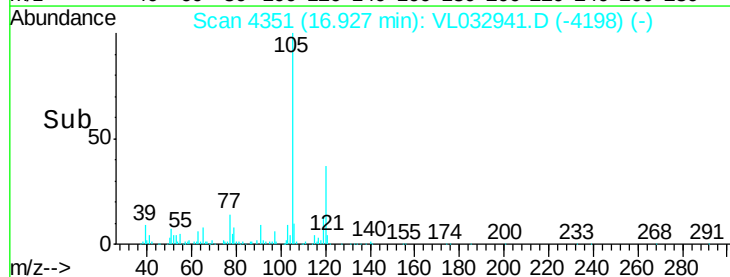
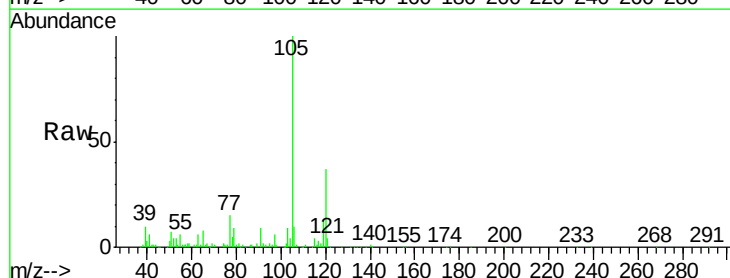
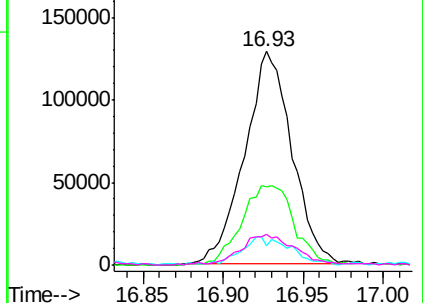
77 14.2 17.4 26.2#

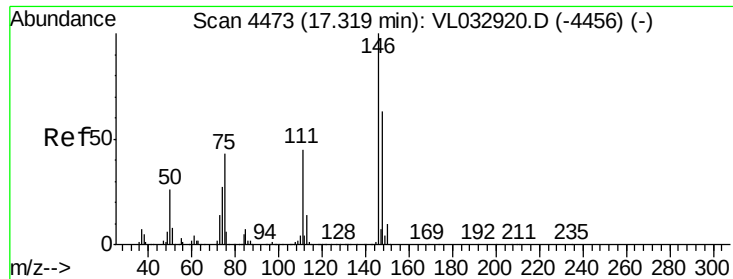
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#76

1,4-Dichlorobenzene

Concen: 0.101 ppbv m

RT: 17.31 min Scan# 4470

Delta R.T. -0.01 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Instrument :

MSVOA_L

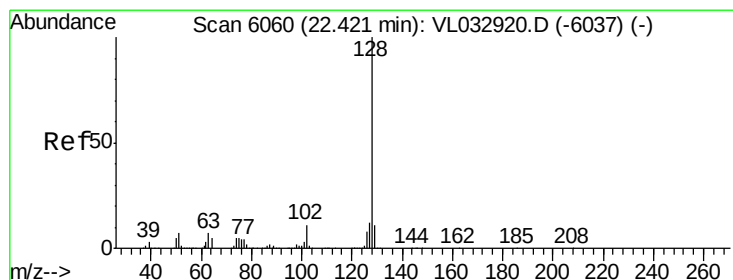
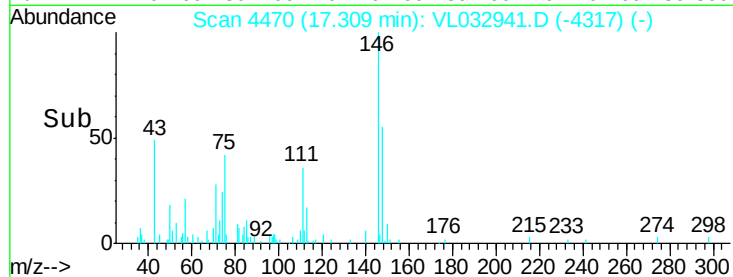
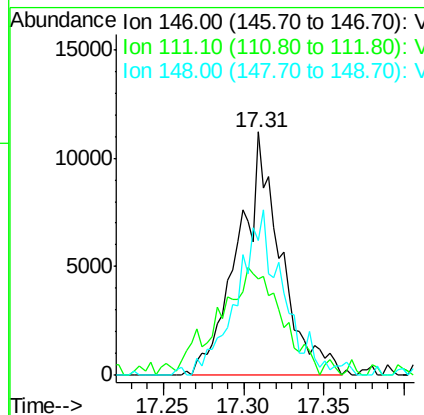
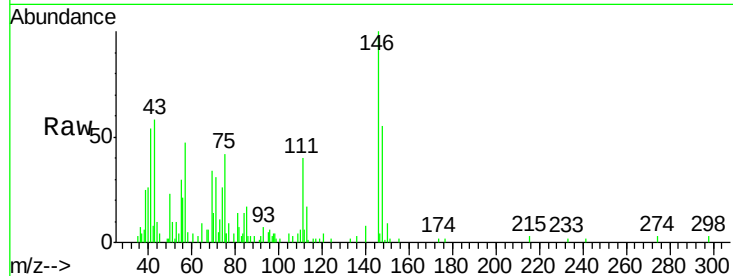
ClientSampled :

IA4

Tgt Ion:	146	Resp:	20841
Ion Ratio	Lower	Upper	
146	100		
111	69.6	22.8	68.4#
148	0.0	32.0	96.2#

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#79

Naphthalene

Concen: 0.163 ppbv m

RT: 22.42 min Scan# 6059

Delta R.T. -0.00 min

Lab File: VL032941.D

Acq: 7 Dec 2018 19:13

Tgt Ion:	128	Resp:	39502
Ion Ratio	Lower	Upper	
128	100		
127	16.0	9.9	14.9#
129	14.4	8.6	13.0#

