

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
 Data File : VL034214.D
 Acq On : 2 Oct 2019 17:13
 Operator : SY/AP
 Sample : K5106-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:29:59 PM

Quant Time: Oct 04 01:48:47 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.71	49	969491	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1839845	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1872272	10.00	ppbv	0.00

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.49	95	1633505	10.04	ppbv	-0.02	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	40073	0.280	ppbv #	85
3) Chlorodifluoromethane	2.97	51	16299m	0.143	ppbv	
4) Chloromethane	3.12	50	206143	3.086	ppbv	92
5) Vinyl Chloride	3.25	62	49163	0.805	ppbv	98
7) Chloroethane	3.56	64	12641	0.592	ppbv #	79
9) Propene	2.99	41	6597893	117.644	ppbv	86
10) Heptane	8.18	43	2726094	18.651	ppbv	98
11) Trichlorofluoromethane	3.96	101	39439	0.303	ppbv	96
13) Ethanol	3.61	45	634500	46.721	ppbv	95
15) Acetone	3.85	43	6552844m	50.430	ppbv	
17) tert-Butyl alcohol	4.31	59	1025062	12.451	ppbv	98
19) Isopropyl Alcohol	3.98	45	324461	4.061	ppbv #	95
20) Methylene Chloride	4.37	84	76504	2.042	ppbv #	91
26) Hexane	5.72	57	1005992	9.842	ppbv #	39
27) Carbon Disulfide	4.56	76	884975	9.388	ppbv	100
29) Chloroform	5.79	83	1818877	12.453	ppbv	98
30) Cyclohexane	7.18	84	1108605	15.023	ppbv	98
34) 2-Butanone	5.27	43	2943493	15.669	ppbv	94
35) Carbon Tetrachloride	7.08	117	11446m	0.075	ppbv	
36) Benzene	6.94	78	939893	4.625	ppbv	95
37) 1,2-Dichloroethane	6.35	62	24577	0.170	ppbv	97
38) Trichloroethene	7.89	130	12870	0.177	ppbv	90
41) Tetrahydrofuran	6.10	42	37506m	0.354	ppbv	
43) Methyl Methacrylate	8.06	69	75264m	0.897	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	2236110	5.716	ppbv #	68
50) 4-Methyl-2-Pentanone	8.80	43	210343m	0.769	ppbv	
51) 2-Hexanone	10.19	43	312861m	1.364	ppbv	
52) Tetrachloroethene	11.30	164	982776	14.639	ppbv	95
53) Toluene	9.87	91	790570	3.560	ppbv	98
58) Ethyl Benzene	12.78	91	227777	0.754	ppbv #	80
59) m/p-Xylene	13.04	91	660798	2.641	ppbv	97
60) o-Xylene	13.77	91	276778	1.106	ppbv	95
61) Styrene	13.60	104	26641m	0.149	ppbv	
64) n-propylbenzene	15.64	120	23966m	0.292	ppbv	
69) p-Isopropyltoluene	17.73	119	47444m	0.145	ppbv	
70) n-Butylbenzene	18.65	91	60426m	0.158	ppbv	
72) 4-Ethyltoluene	15.92	105	139605	0.494	ppbv	96
73) 1,3,5-Trimethylbenzene	16.08	105	124659	0.456	ppbv	98
74) 1,2,4-Trimethylbenzene	16.84	105	426986	1.473	ppbv #	66
79) Naphthalene	22.32	128	69738m	0.273	ppbv	

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Operator : SY/AP
Sample : K5106-03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-3

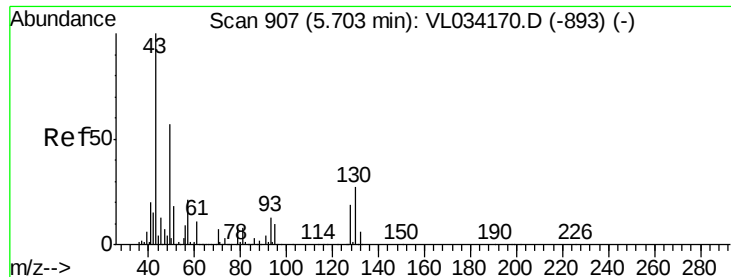
Manual Integrations
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Quant Time: Oct 04 01:48:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 18
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.71 min Scan# 908

Delta R.T. 0.00 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Instrument :

MSVOA_L

ClientSampleId :

SV-3

Tot Ion: 49 Resp: 969491
Ion Ratio Lower Upper

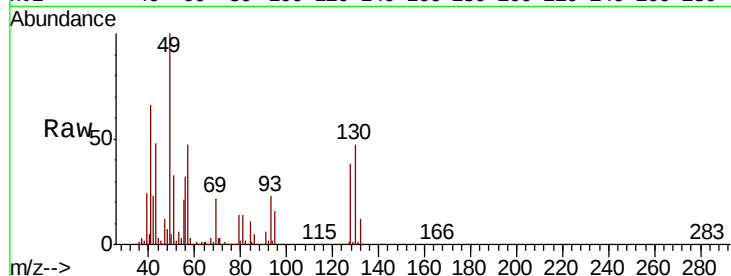
49 100

128 37.6 17.6 52.9

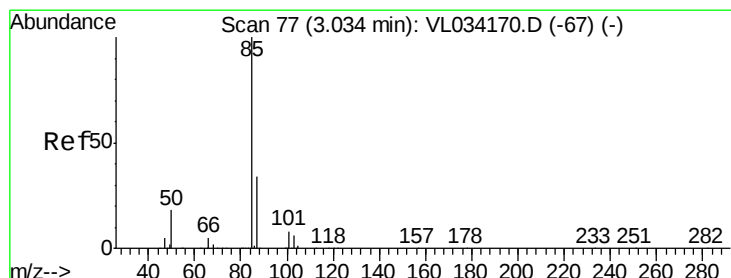
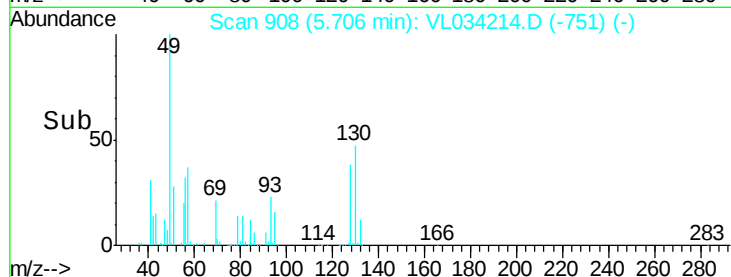
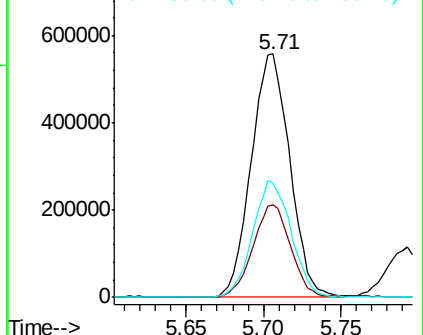
130 48.0 22.3 66.9

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



#2

Dichlorodifluoromethane

Concen: 0.280 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

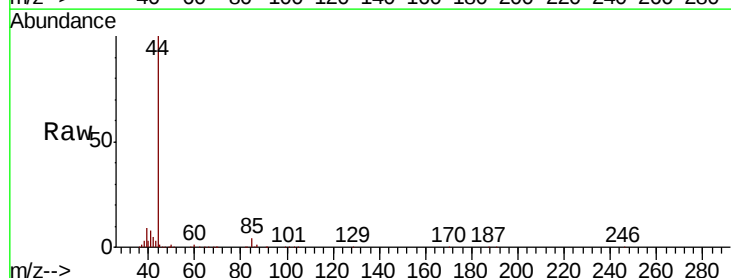
Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

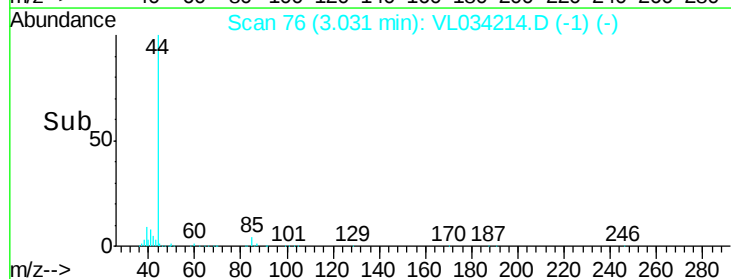
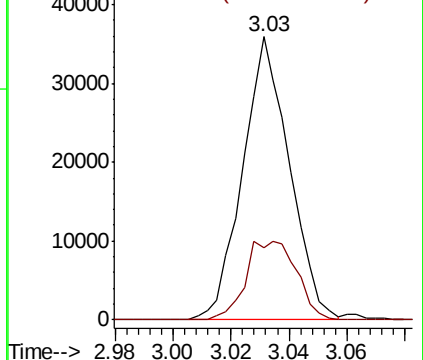
Tgt Ion: 85 Resp: 40073
Ion Ratio Lower Upper

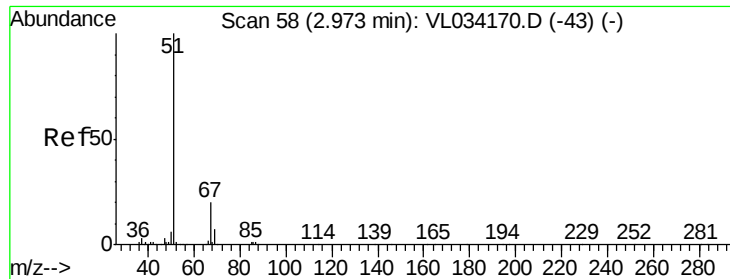
85 100

87 25.5 27.2 40.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.143 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Instrument :

MSVOA_L

ClientSampled :

SV-3

Tot Ion: 51 Resp: 16299

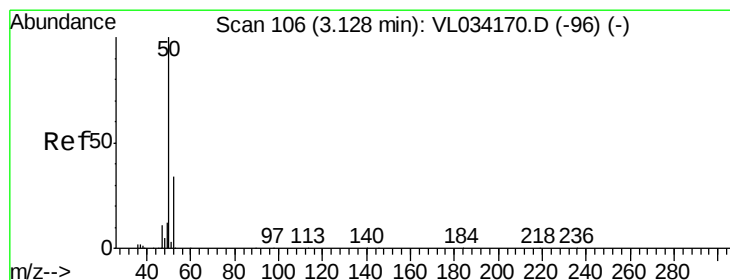
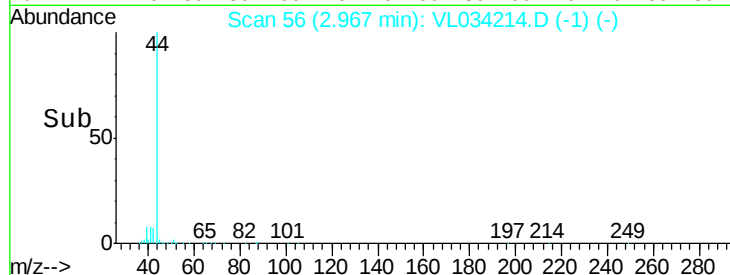
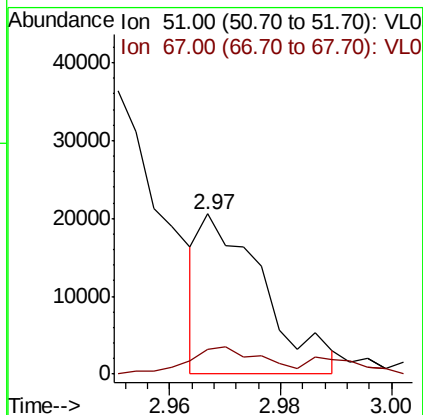
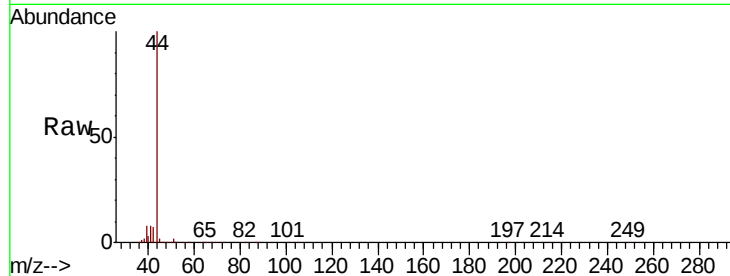
Ion Ratio Lower Upper

51 100

67 29.3 14.8 22.2#

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#4

Chloromethane

Concen: 3.086 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL034214.D

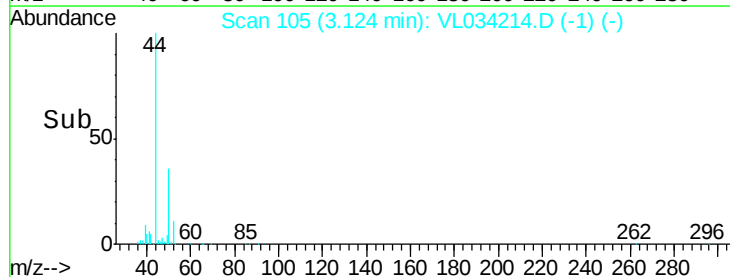
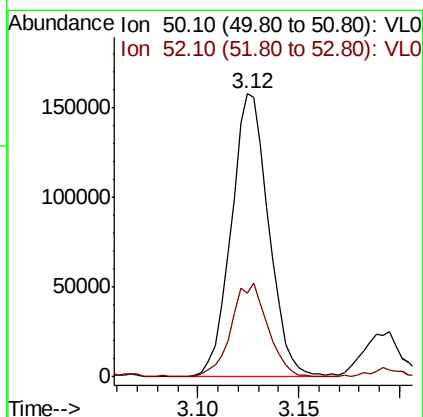
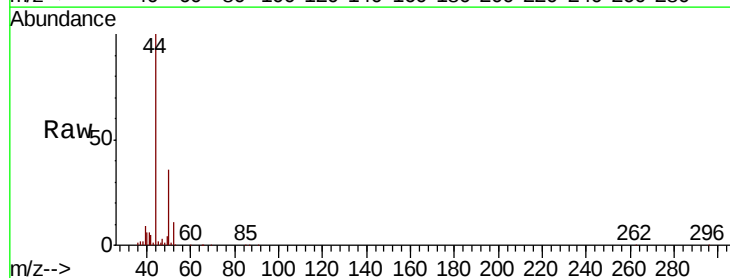
Acq: 2 Oct 2019 17:13

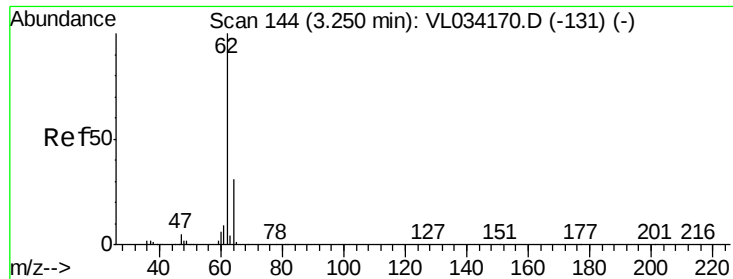
Tgt Ion: 50 Resp: 206143

Ion Ratio Lower Upper

50 100

52 29.6 27.1 40.7





#5

Vinyl Chloride

Concen: 0.805 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Instrument :

MSVOA_L

ClientSampleId :

SV-3

Tot Ion: 62 Resp: 49163

Ion Ratio Lower Upper

62 100

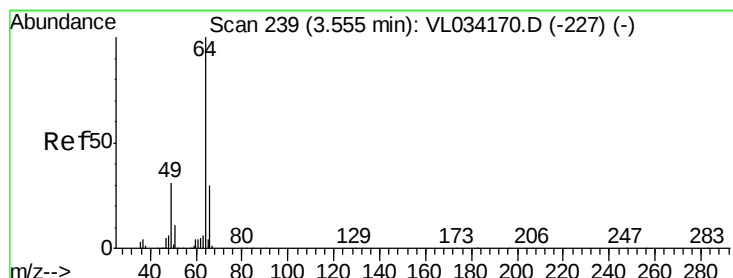
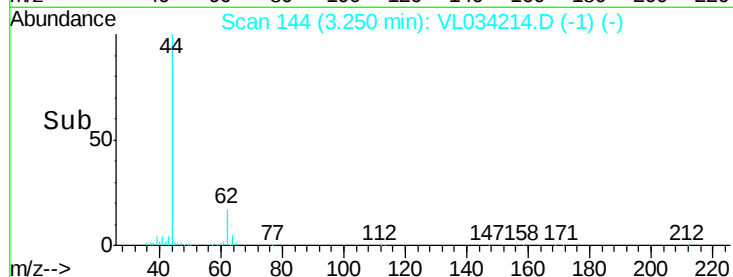
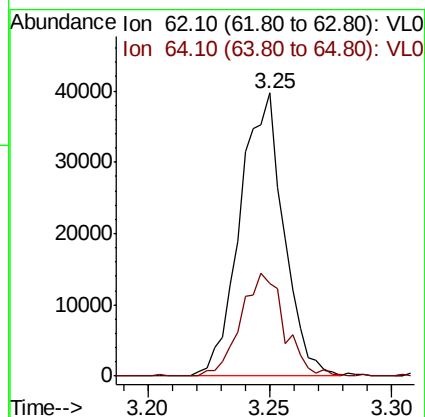
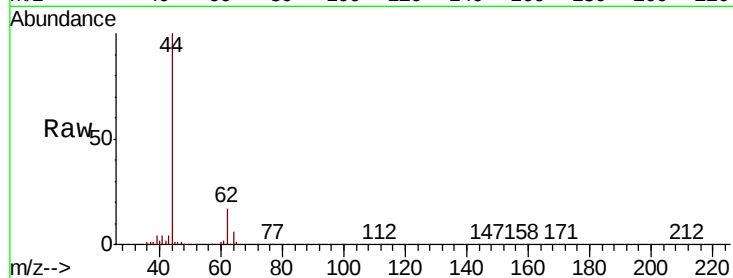
64 32.7 25.2 37.8

Manual Integrations

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#7

Chloroethane

Concen: 0.592 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.00 min

Lab File: VL034214.D

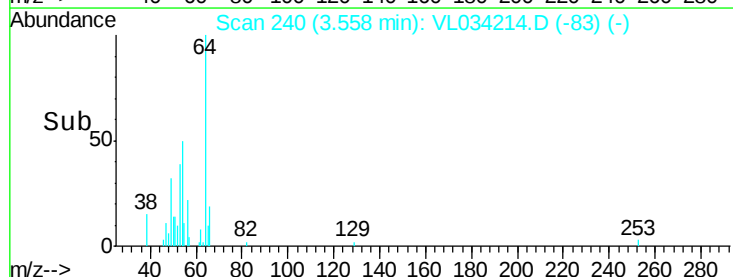
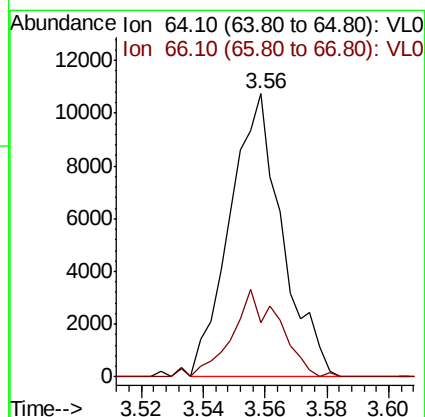
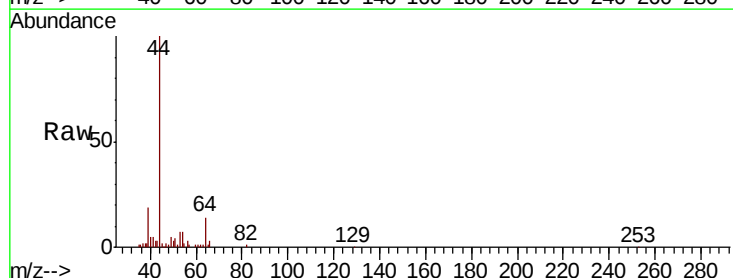
Acq: 2 Oct 2019 17:13

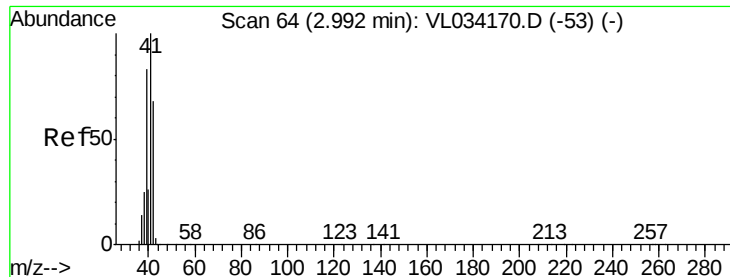
Tgt Ion: 64 Resp: 12641

Ion Ratio Lower Upper

64 100

66 19.1 24.2 36.4#





#9

Propene

Concen: 117.644 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.00 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Instrument :

MSVOA_L

ClientSampleId :

SV-3

Tot Ion: 41 Resp: 6597893

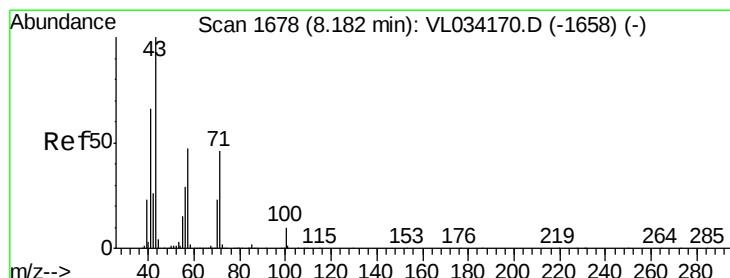
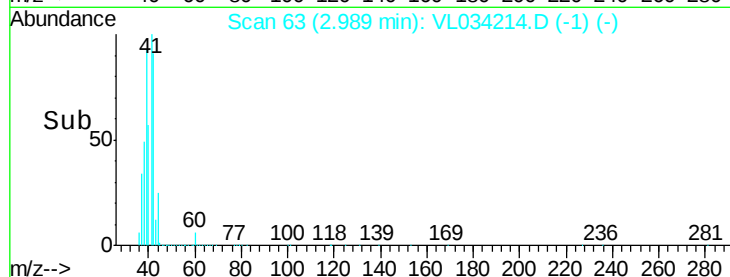
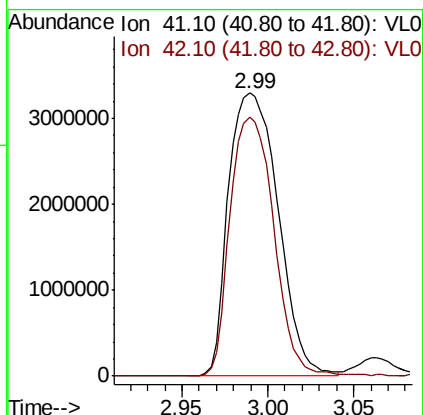
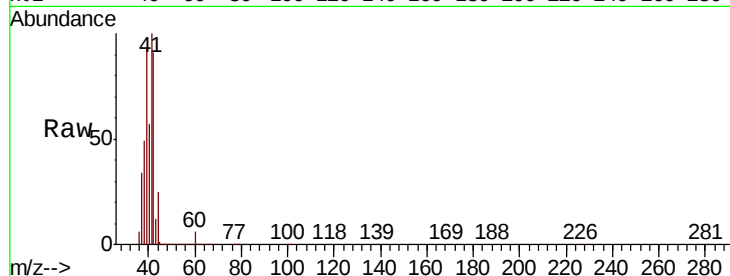
Ion Ratio Lower Upper

41 100

42 81.4 55.8 83.6

Manual Integrations
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#10

Heptane

Concen: 18.651 ppbv

RT: 8.18 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VL034214.D

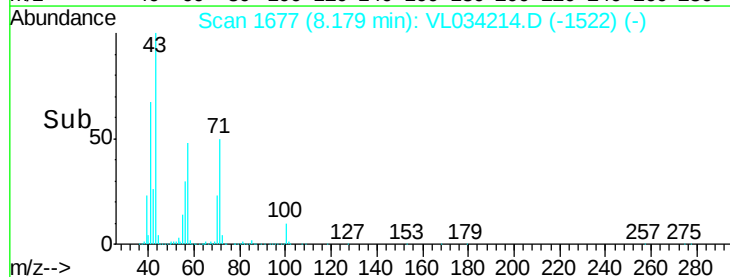
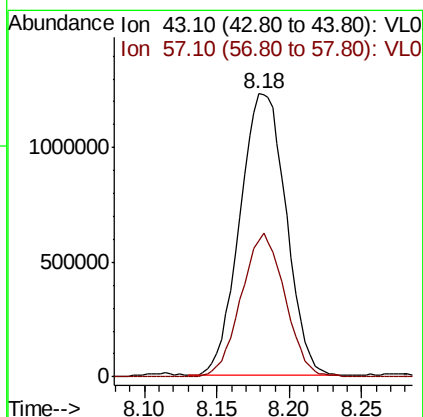
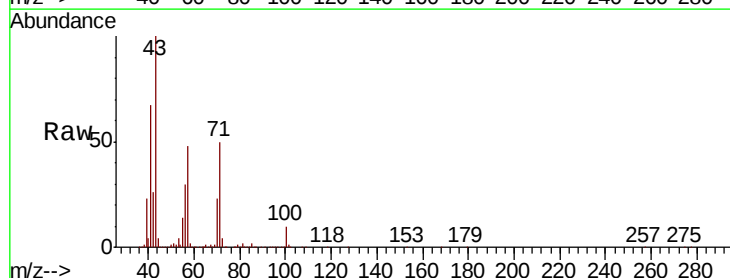
Acq: 2 Oct 2019 17:13

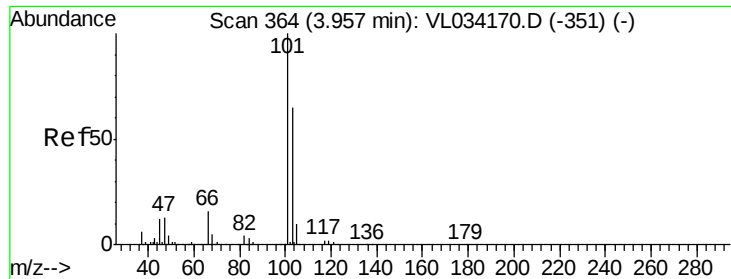
Tgt Ion: 43 Resp: 2726094

Ion Ratio Lower Upper

43 100

57 48.4 37.5 56.3





#11

Trichlorofluoromethane

Concen: 0.303 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.00 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Instrument :

MSVOA_L

ClientSampleId :

SV-3

Tot Ion:101 Resp: 39439

Ion Ratio Lower Upper

101 100

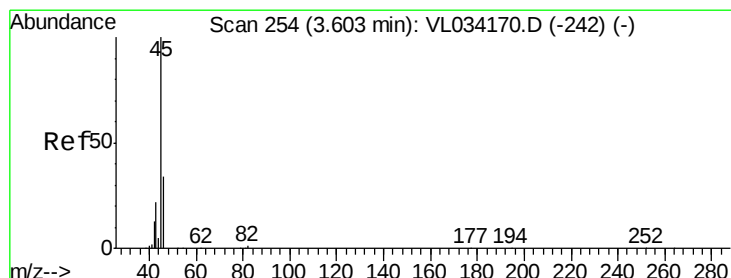
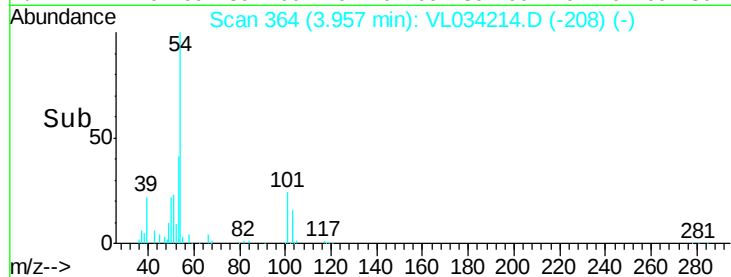
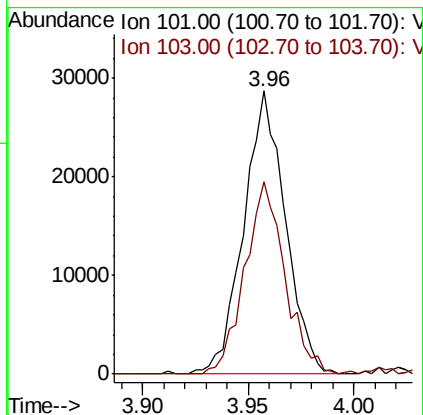
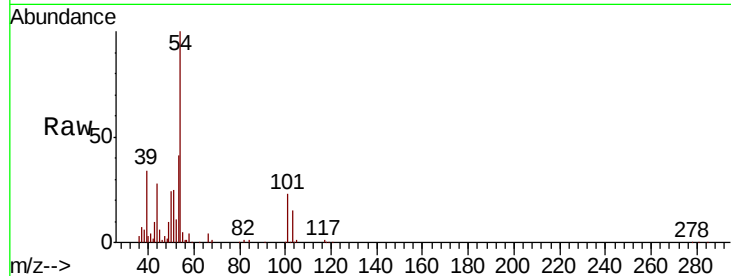
103 68.1 52.1 78.1

Manual Integrations

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#13

Ethanol

Concen: 46.721 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.01 min

Lab File: VL034214.D

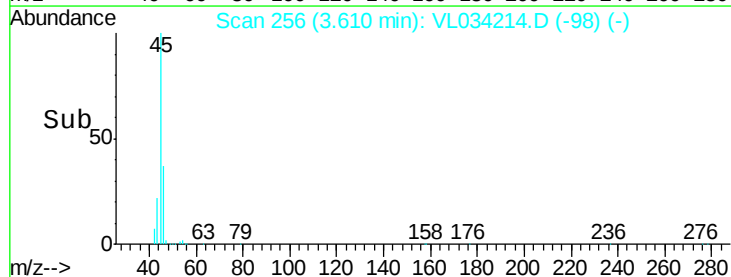
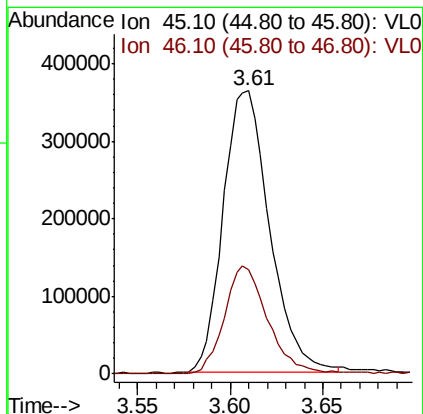
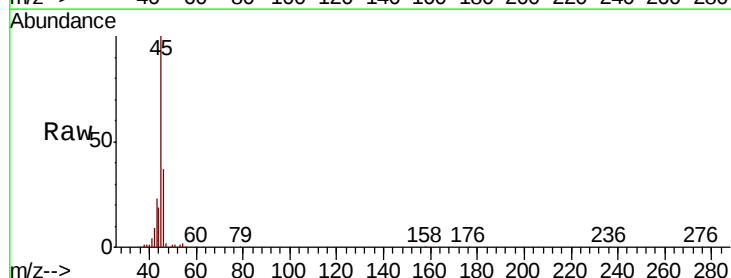
Acq: 2 Oct 2019 17:13

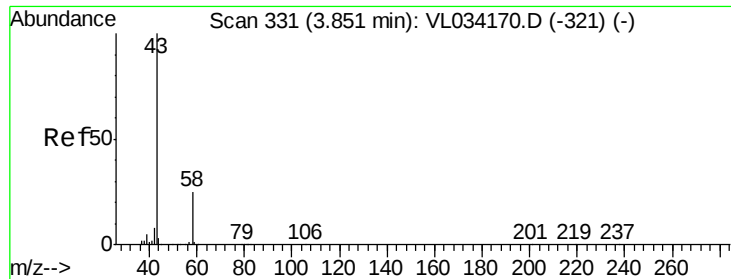
Tgt Ion: 45 Resp: 634500

Ion Ratio Lower Upper

45 100

46 35.8 15.5 61.9





#15

Acetone

Concen: 50.430 ppbv m

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Instrument :

MSVOA_L

ClientSampleId :

SV-3

Tot Ion: 43 Resp: 6552844

Ion Ratio Lower Upper

43 100

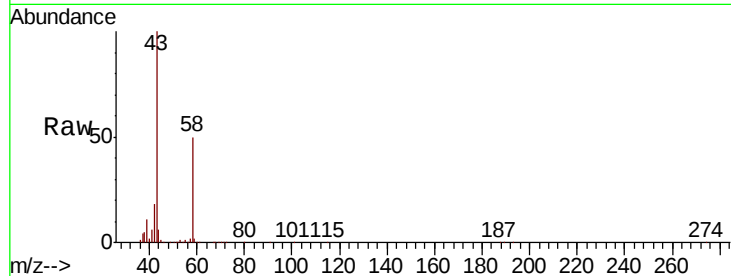
58 44.9 20.5 30.7#

Manual Integrations

APPROVED

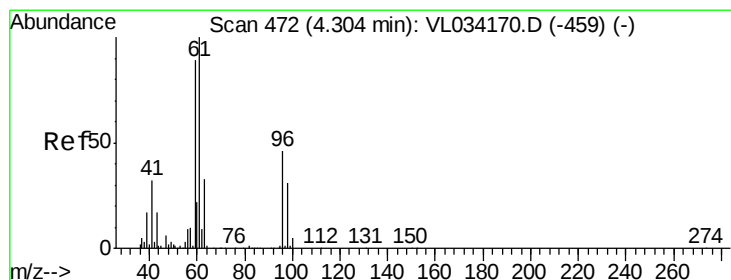
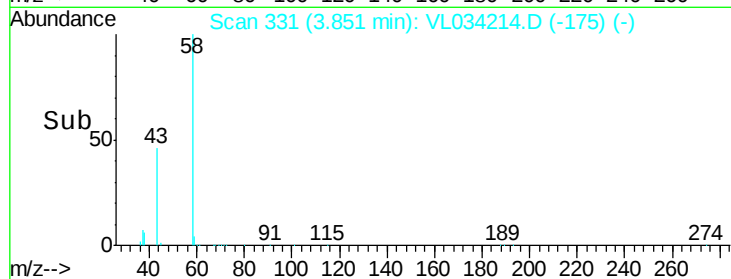
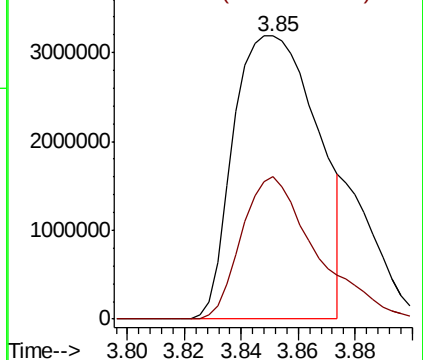
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#17

tert-Butyl alcohol

Concen: 12.451 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.01 min

Lab File: VL034214.D

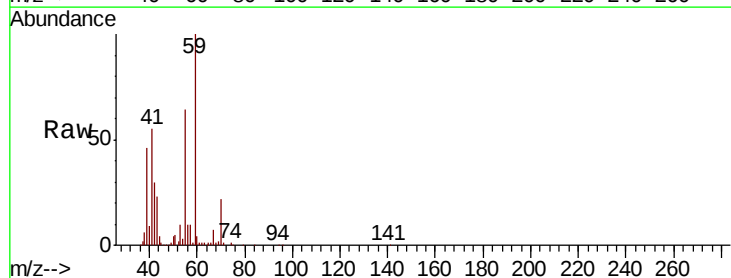
Acq: 2 Oct 2019 17:13

Tgt Ion: 59 Resp: 1025062

Ion Ratio Lower Upper

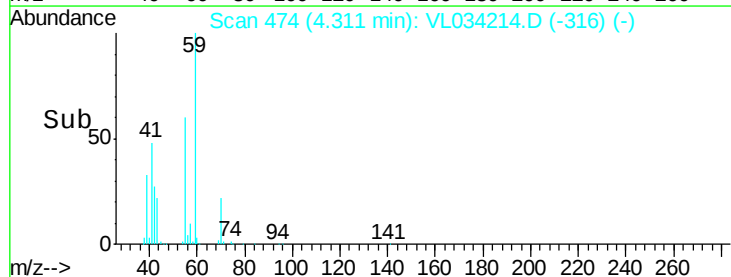
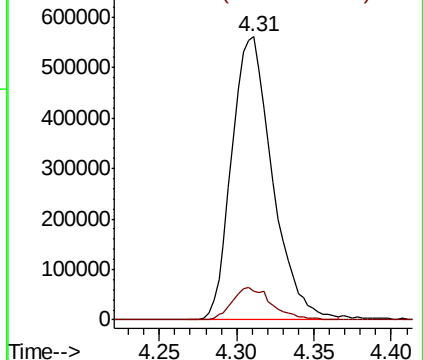
59 100

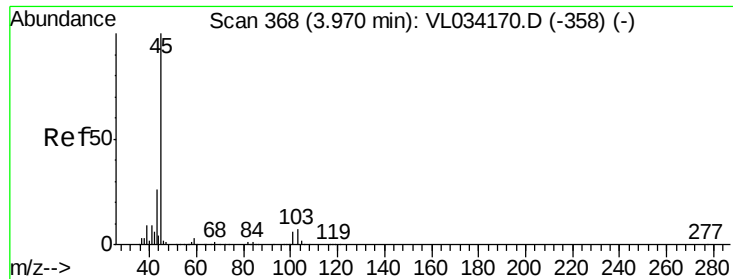
57 11.5 8.7 13.1



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





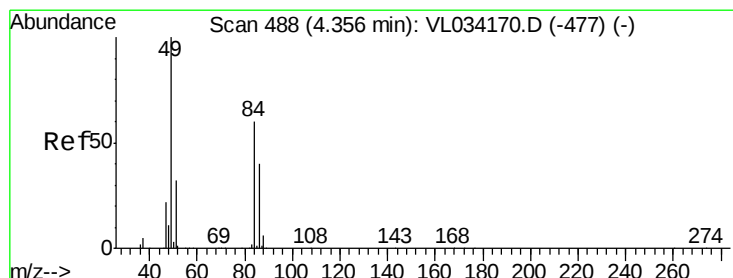
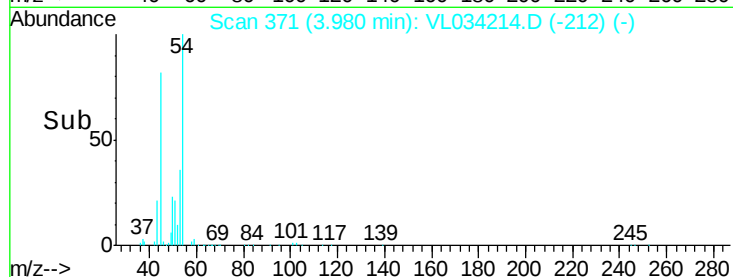
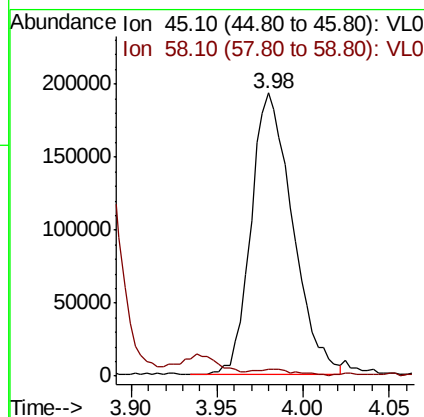
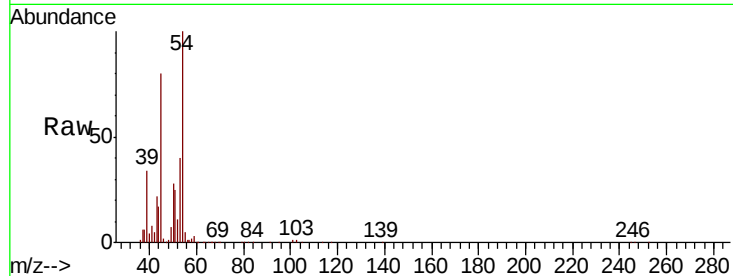
#19
Isopropyl Alcohol
Concen: 4.061 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Instrument :
MSVOA_L
ClientSampled :
SV-3

Tot Ion: 45 Resp: 324461
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.0#

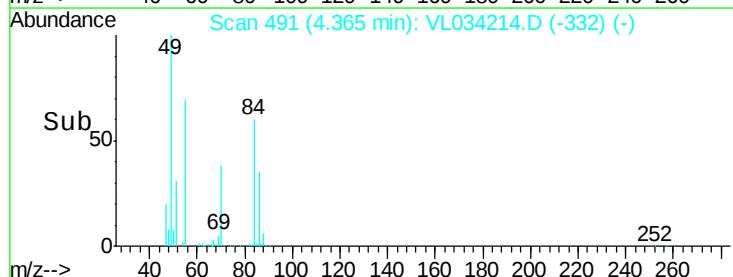
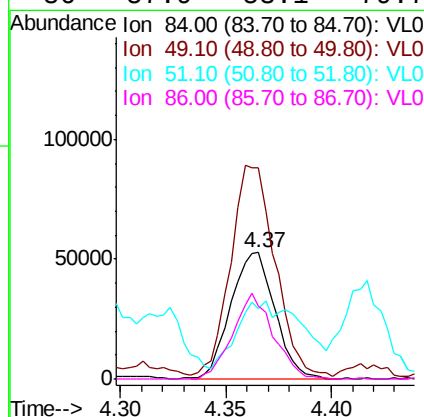
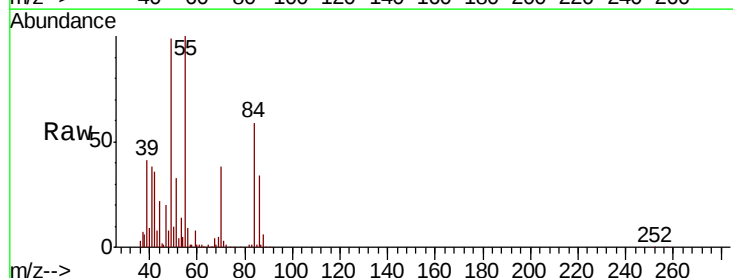
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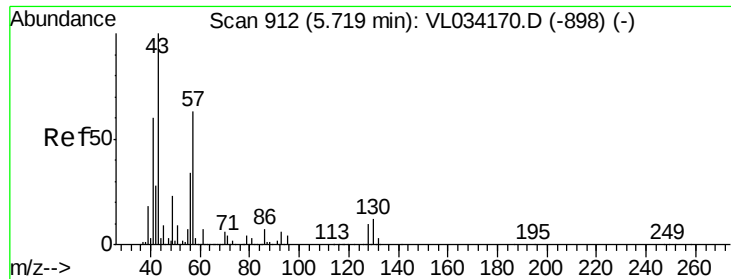
MMDadoda
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#20
Methylene Chloride
Concen: 2.042 ppbv
RT: 4.37 min Scan# 491
Delta R.T. 0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 84 Resp: 76504
Ion Ratio Lower Upper
84 100
49 164.2 133.8 200.8
51 36.4 43.6 65.4#
86 57.9 53.1 79.7





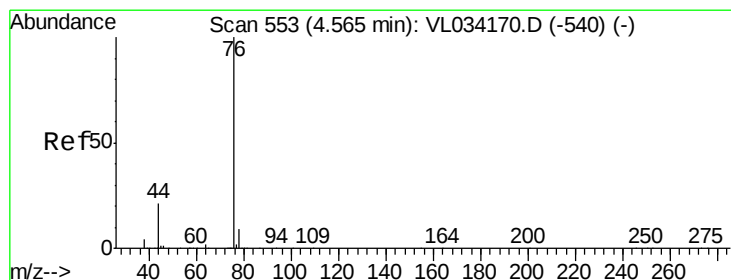
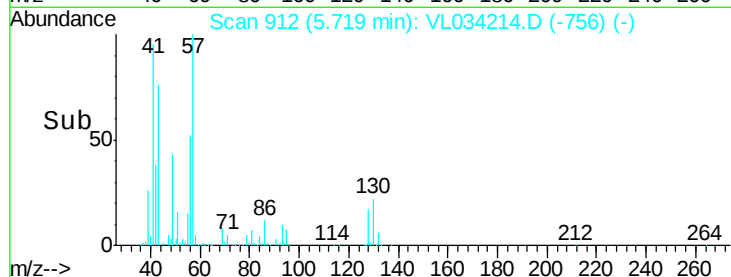
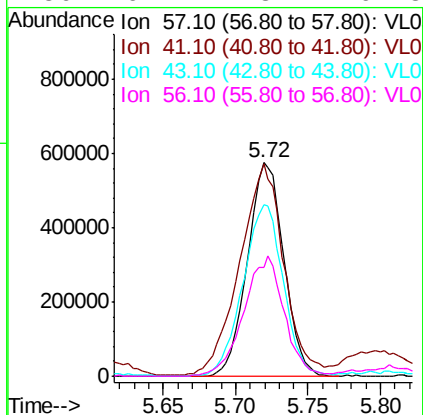
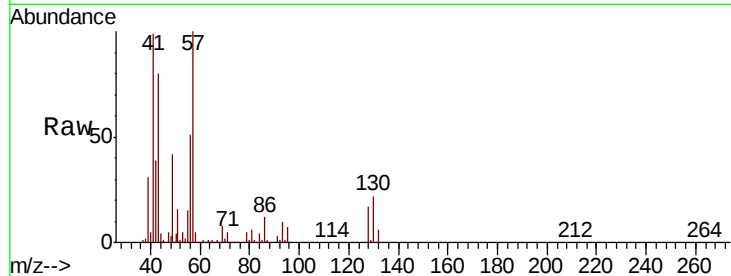
#26
Hexane
Concen: 9.842 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tot Ion: 57 Resp: 1005992
Ion Ratio Lower Upper
57 100
41 119.4 78.5 117.7#
43 88.7 189.5 284.3#
56 62.1 43.2 64.8

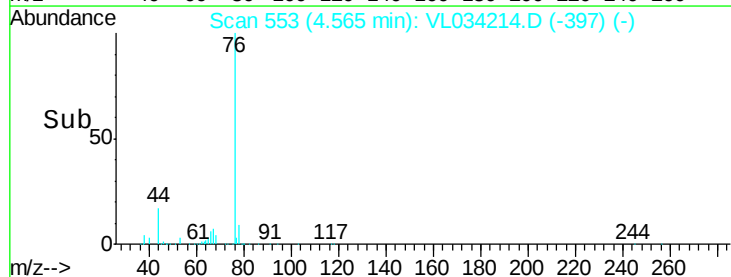
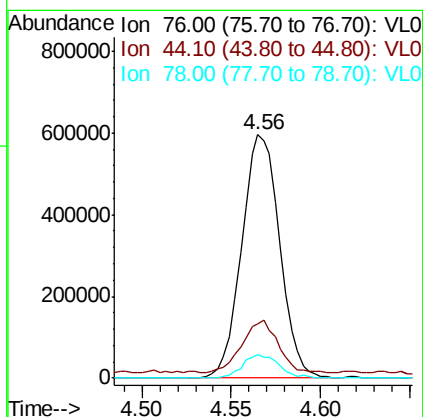
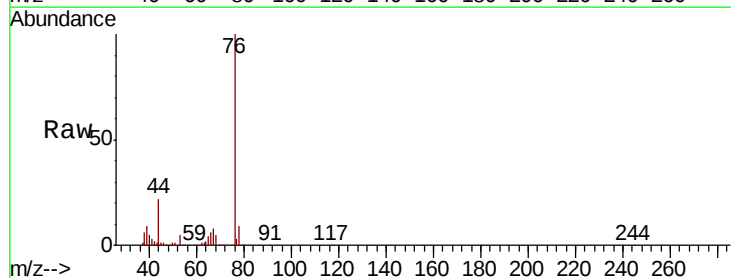
Manual Integrations
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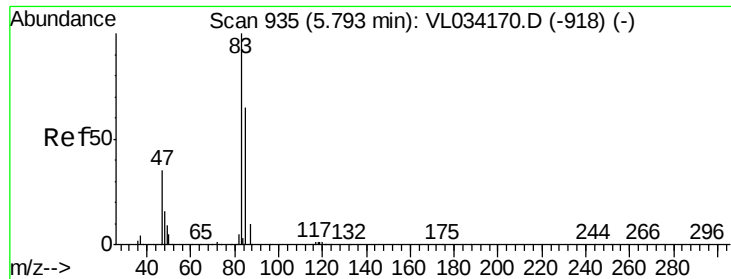
MMDadoda
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#27
Carbon Disulfide
Concen: 9.388 ppbv
RT: 4.56 min Scan# 553
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 76 Resp: 884975
Ion Ratio Lower Upper
76 100
44 21.9 17.6 26.4
78 9.4 7.6 11.4





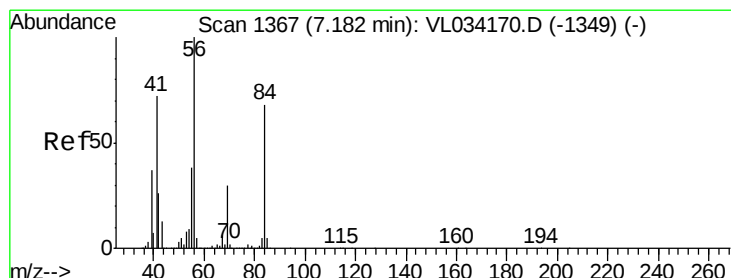
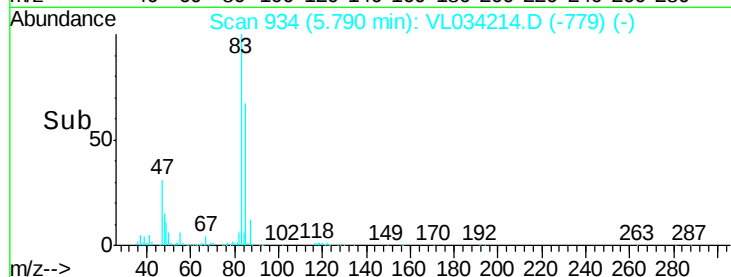
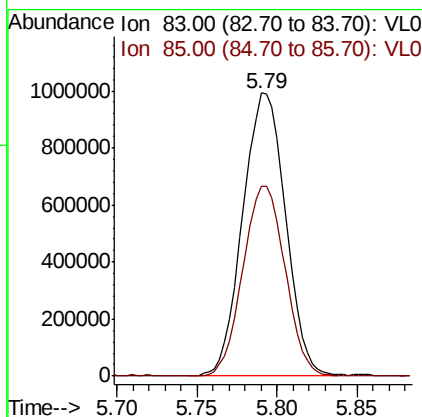
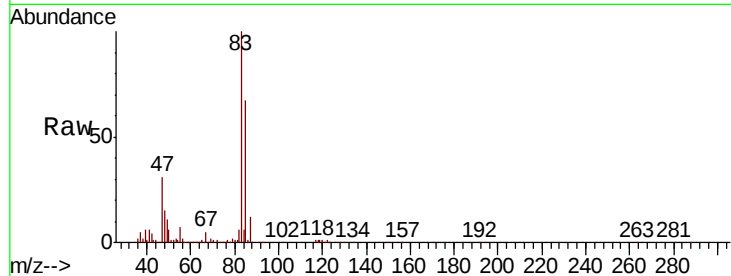
#29
Chloroform
Concen: 12.453 ppbv
RT: 5.79 min Scan# 934
Delta R.T. -0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Instrument :
MSVOA_L
ClientSampled :
SV-3

Tot Ion: 83 Resp: 1818877
Ion Ratio Lower Upper
83 100
85 66.9 52.3 78.5

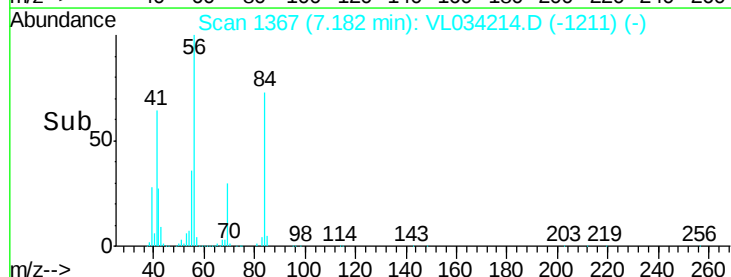
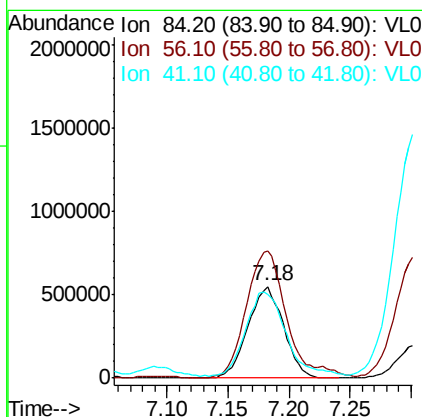
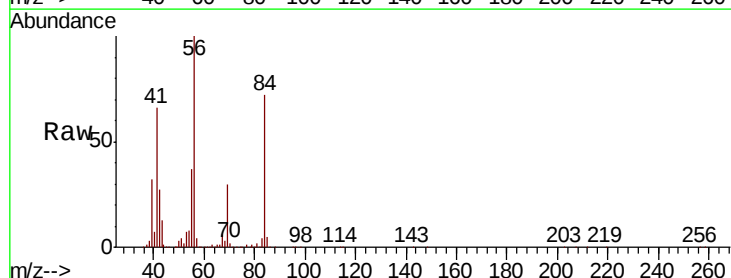
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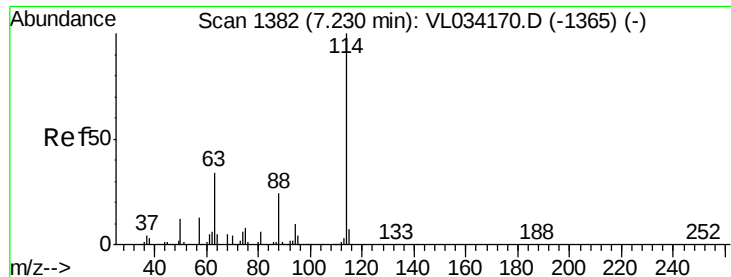
MMDadoda
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#30
Cyclohexane
Concen: 15.023 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 84 Resp: 1108605
Ion Ratio Lower Upper
84 100
56 154.6 126.2 189.2
41 105.8 85.8 128.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.23 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Instrument :

MSVOA_L

ClientSampleId :

SV-3

Tot Ion:114 Resp: 1839845

Ion Ratio Lower Upper

114 100

63 31.4 27.8 41.6

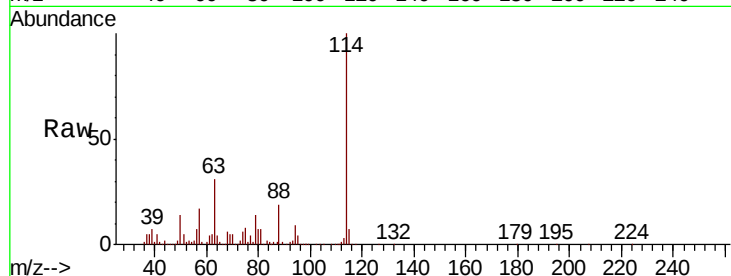
88 20.3 17.1 25.7

Manual Integrations

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MMDadoda

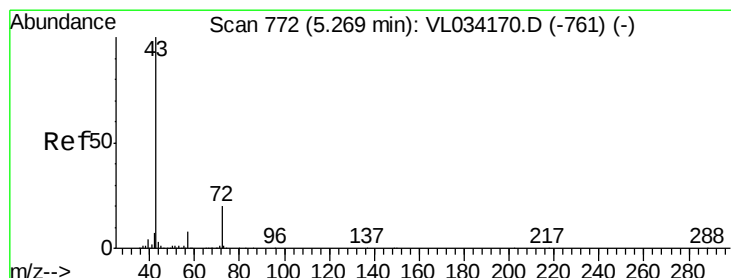
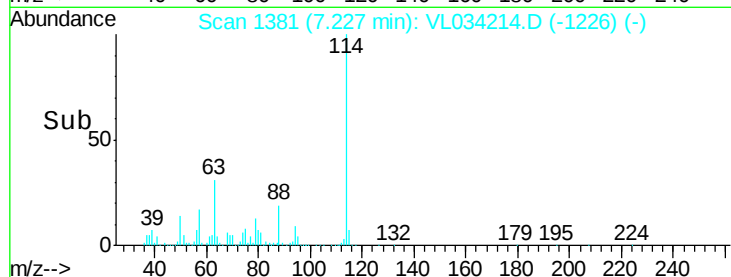
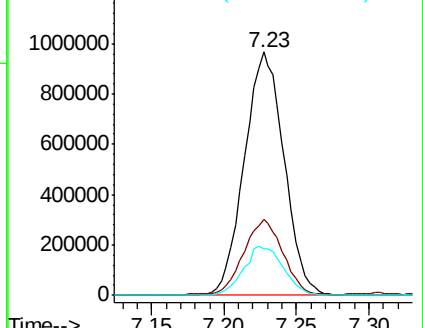
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 15.669 ppbv

RT: 5.27 min Scan# 771

Delta R.T. -0.00 min

Lab File: VL034214.D

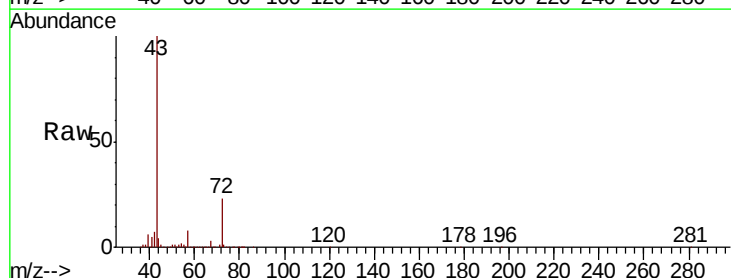
Acq: 2 Oct 2019 17:13

Tgt Ion: 43 Resp: 2943493

Ion Ratio Lower Upper

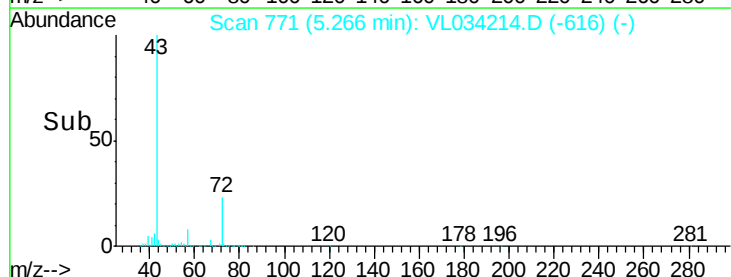
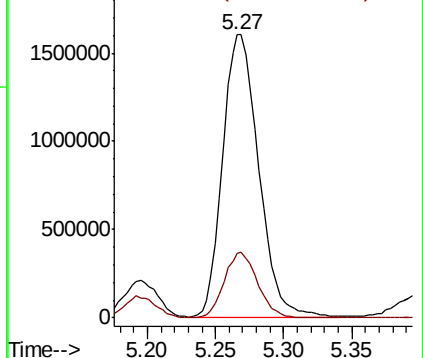
43 100

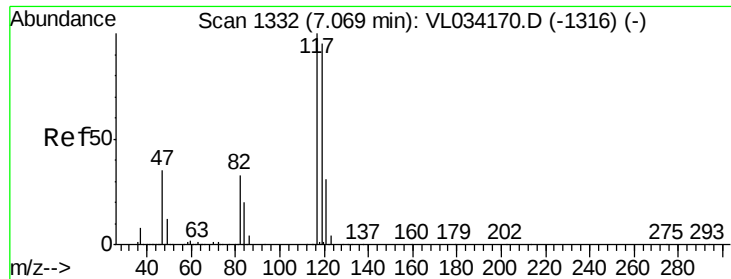
72 21.3 15.0 22.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 0.075 ppbv m

RT: 7.08 min Scan# 1335

Delta R.T. 0.01 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Instrument :

MSVOA_L

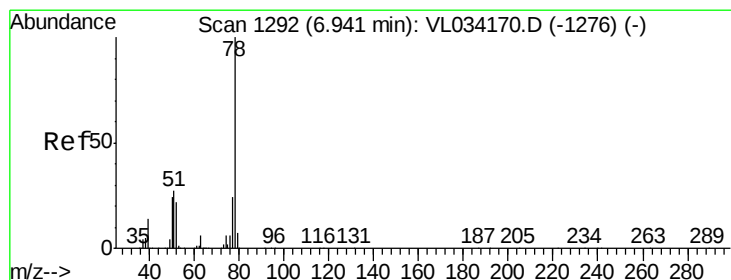
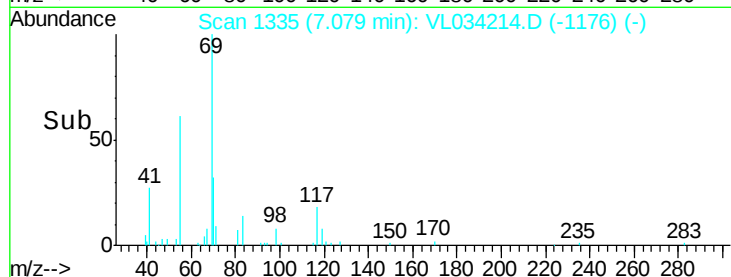
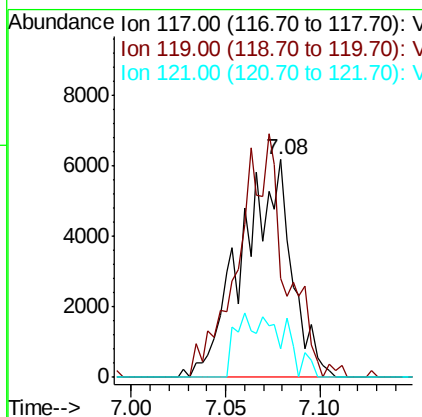
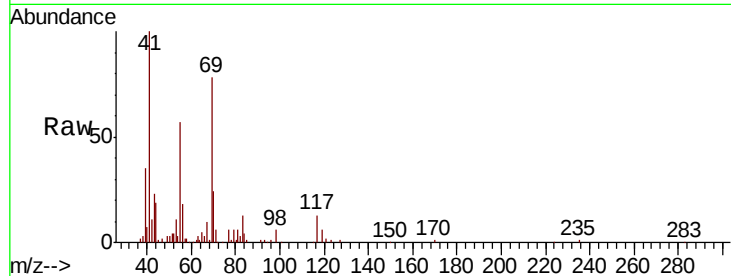
ClientSampleId :

SV-3

Tot Ion	Ratio	Lower	Upper
117	100		
119	45.7	75.8	113.6#
121	13.1	25.0	37.6#

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#36

Benzene

Concen: 4.625 ppbv

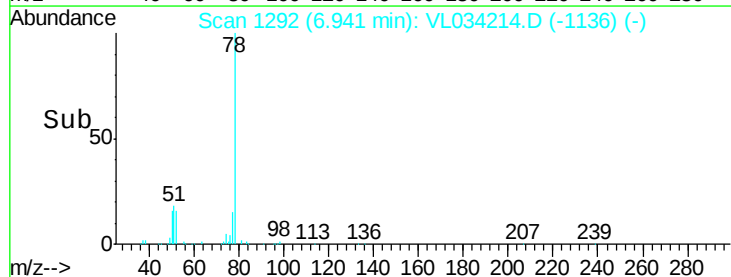
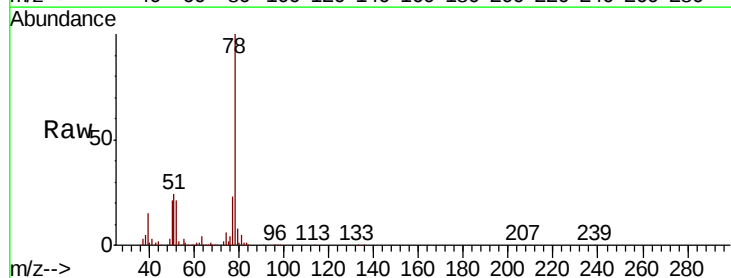
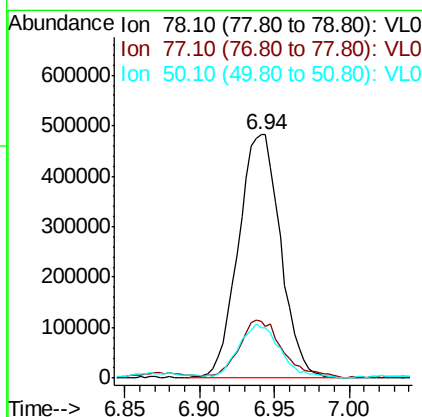
RT: 6.94 min Scan# 1292

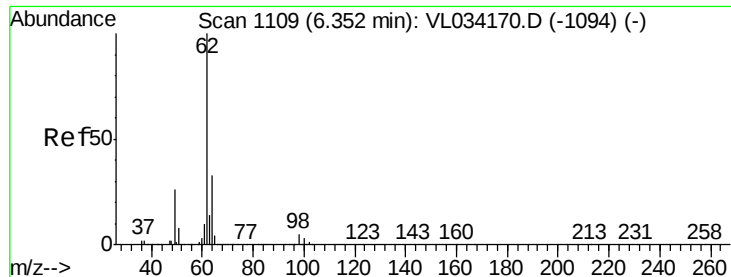
Delta R.T. 0.00 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.4	19.0	28.4
50	20.2	18.9	28.3





#37

1,2-Dichloroethane

Concen: 0.170 ppbv

RT: 6.35 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Instrument :

MSVOA_L

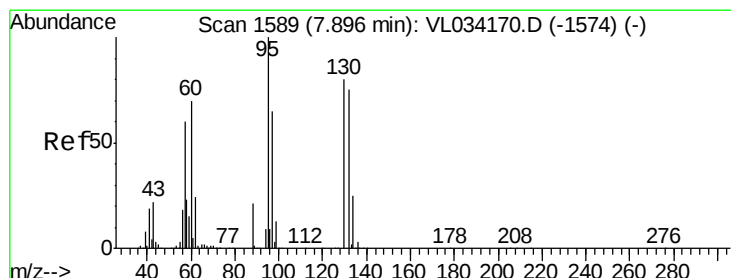
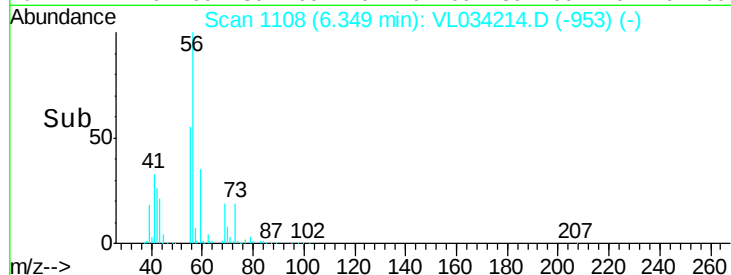
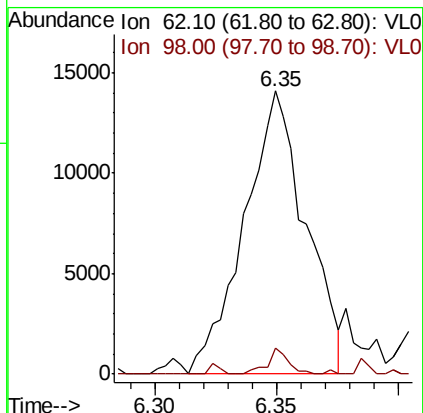
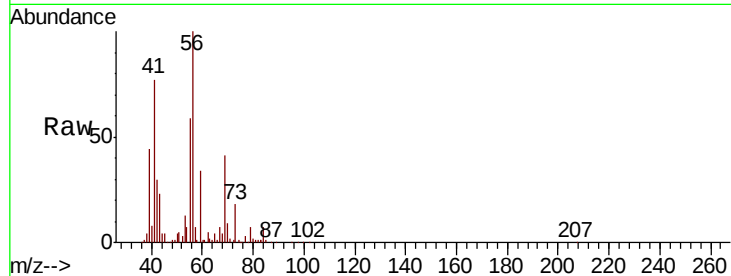
ClientSampleId :

SV-3

Tot Ion	Ratio	Lower	Upper
62	100		
98	3.9	3.8	5.8

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#38

Trichloroethene

Concen: 0.177 ppbv

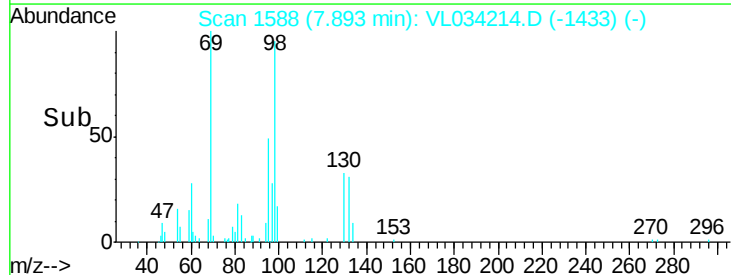
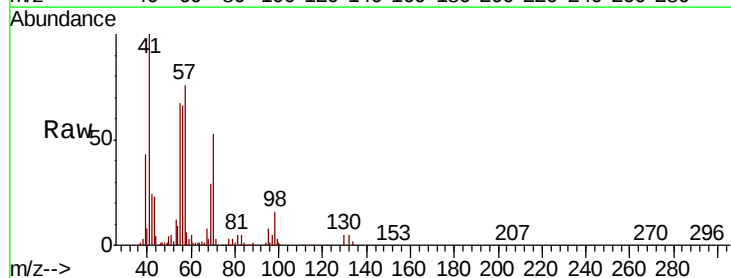
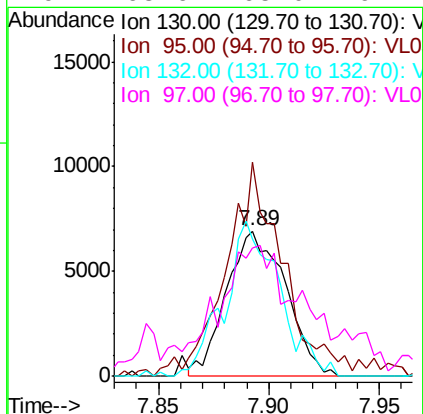
RT: 7.89 min Scan# 1588

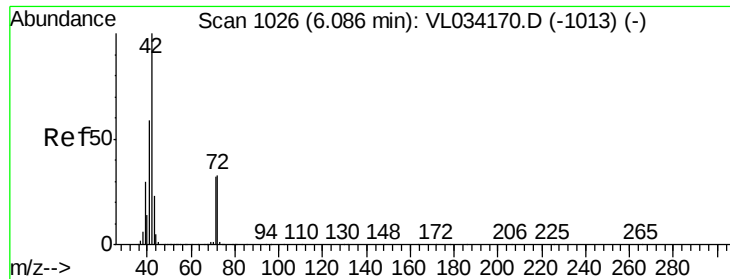
Delta R.T. -0.00 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Tgt Ion	Ratio	Lower	Upper
130	100		
95	137.9	99.8	149.6
132	94.8	75.2	112.8
97	65.6	65.0	97.4





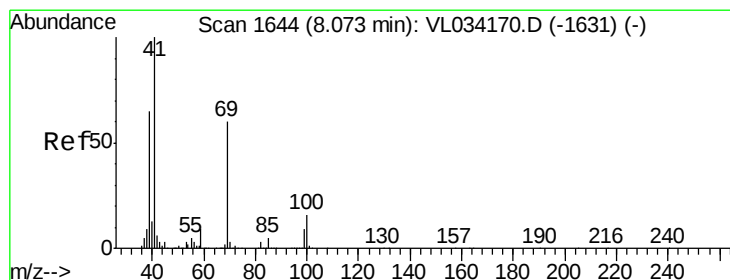
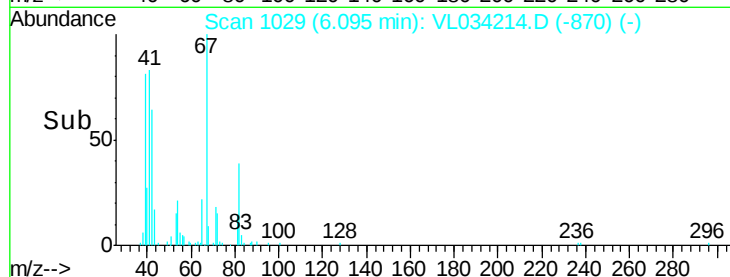
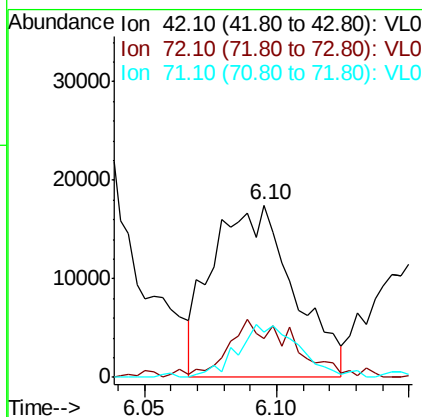
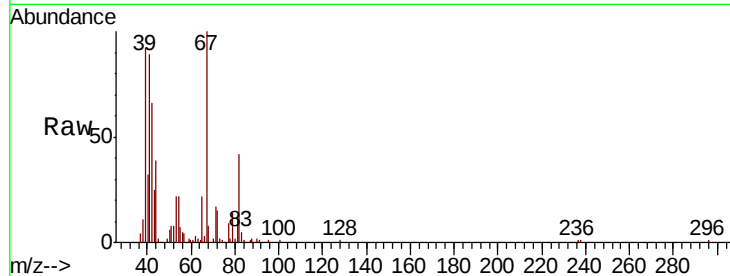
#41
Tetrahydrofuran
Concen: 0.354 ppbv m
RT: 6.10 min Scan# 1029
Delta R.T. 0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Instrument :
MSVOA_L
ClientSampleId :
SV-3

Tot Ion	Ratio	Lower	Upper
42	100		
72	0.0	26.6	40.0#
71	0.0	25.1	37.7#

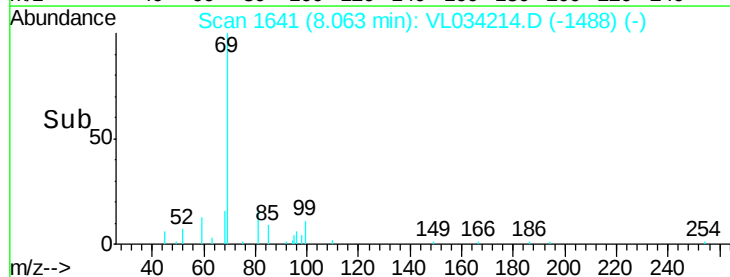
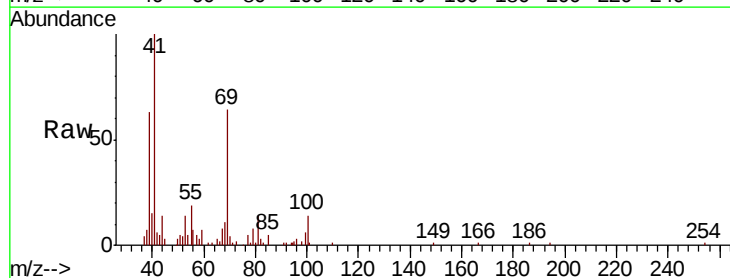
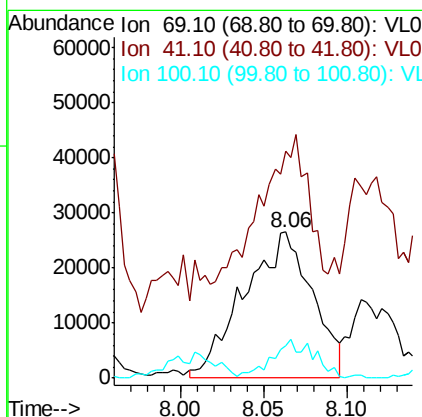
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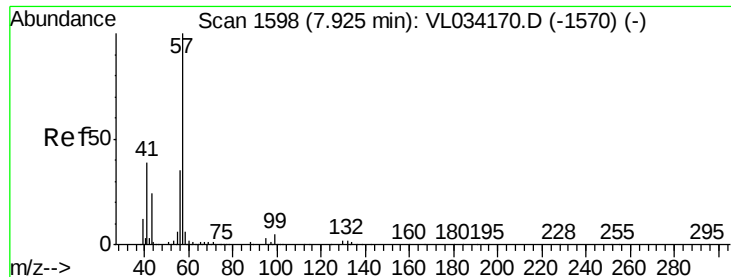
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#43
Methyl Methacrylate
Concen: 0.897 ppbv m
RT: 8.06 min Scan# 1641
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion	Ratio	Lower	Upper
69	100		
41	0.0	140.4	210.6#
100	0.0	21.9	32.9#





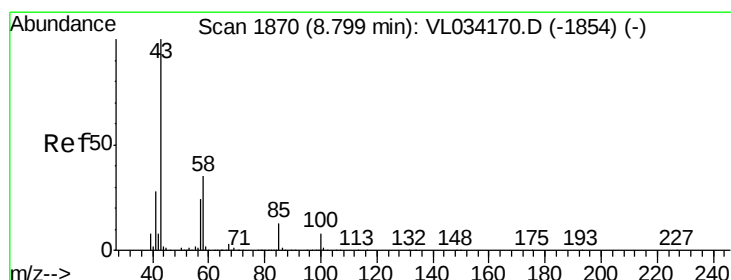
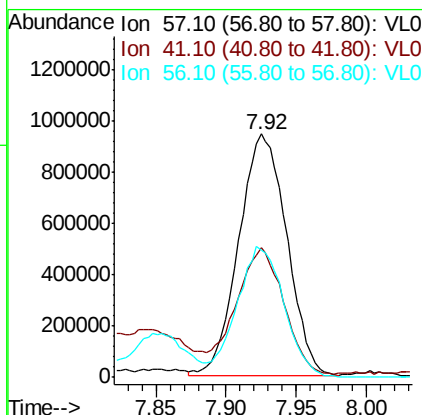
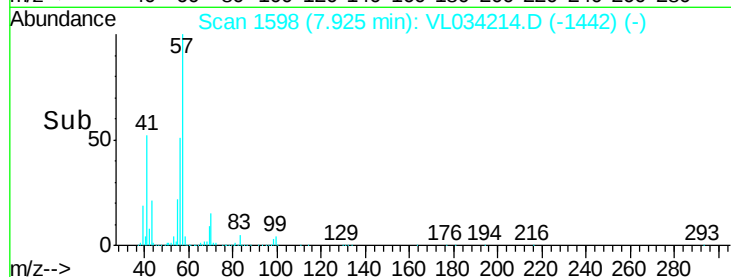
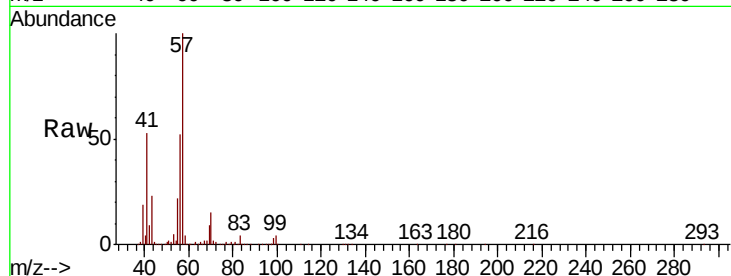
#44
 2,2,4-Trimethylpentane
 Concen: 5.716 ppbv
 RT: 7.92 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VL034214.D
 Acq: 2 Oct 2019 17:13

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-3

Tot Ion	Ratio	Lower	Upper
57	100		
41	53.2	29.8	44.6#
56	53.5	25.9	38.9#

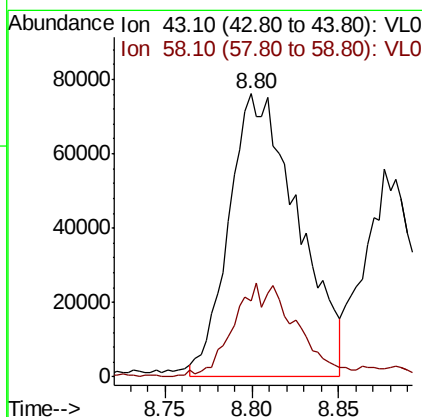
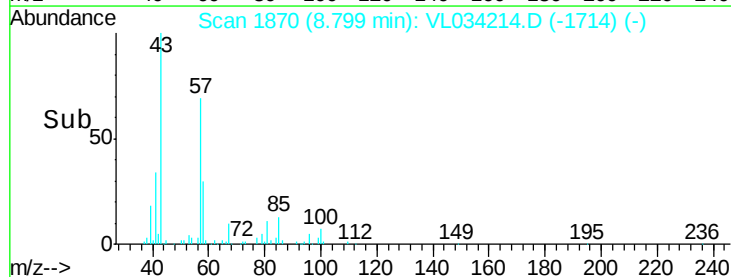
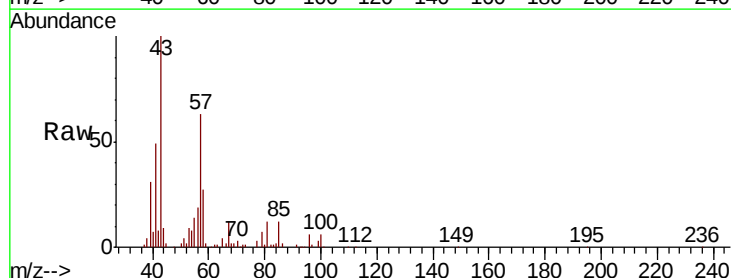
Manual Integrations
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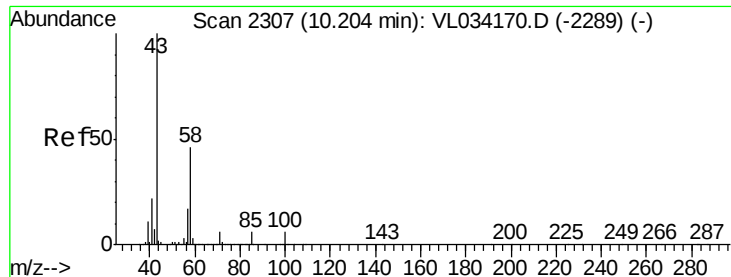
MMDadoda
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#50
 4-Methyl-2-Pentanone
 Concen: 0.769 ppbv m
 RT: 8.80 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VL034214.D
 Acq: 2 Oct 2019 17:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.6	41.4





#51

2-Hexanone

Concen: 1.364 ppbv m

RT: 10.19 min Scan# 2304

Delta R.T. -0.01 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Instrument :

MSVOA_L

ClientSampleId :

SV-3

Tot Ion: 43 Resp: 312861

Ion Ratio Lower Upper

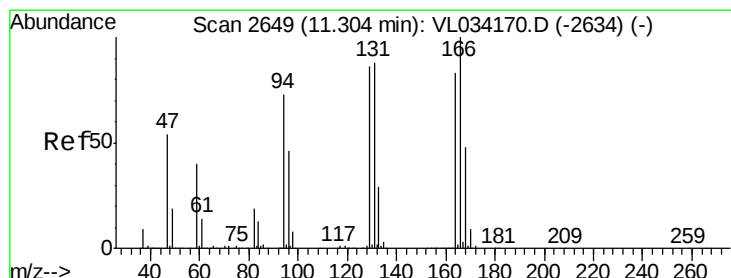
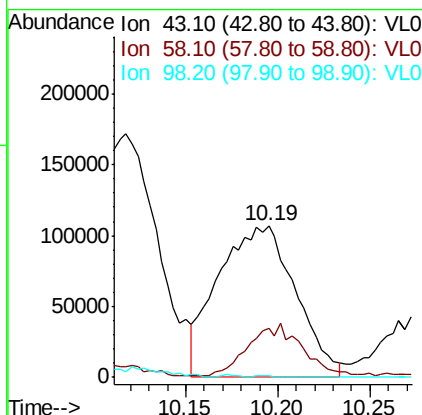
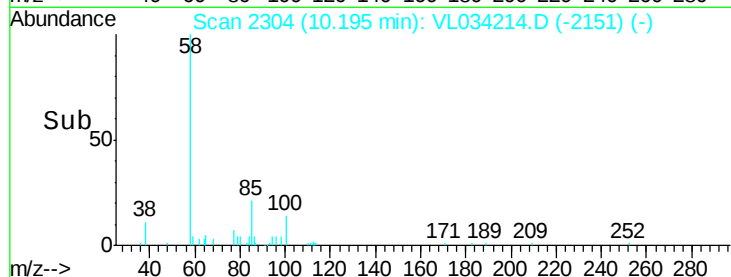
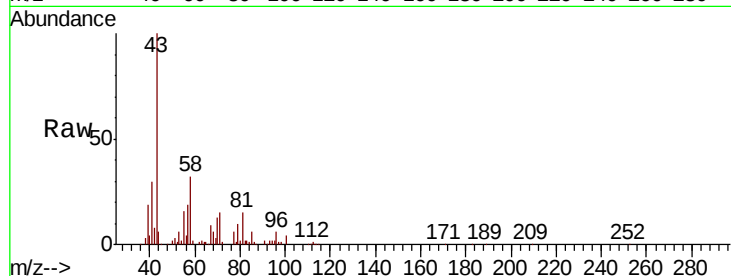
43 100

58 0.0 36.2 54.4#

98 0.0 0.2 0.2#

Manual Integrations
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#52

Tetrachloroethene

Concen: 14.639 ppbv

RT: 11.30 min Scan# 2647

Delta R.T. -0.01 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Tgt Ion: 164 Resp: 982776

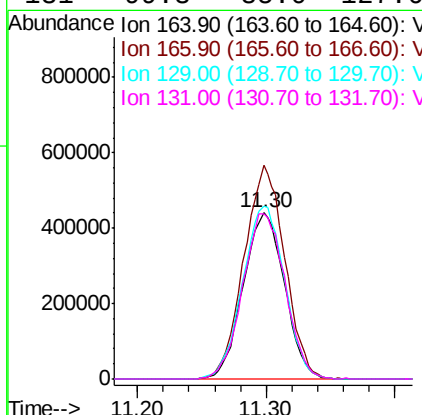
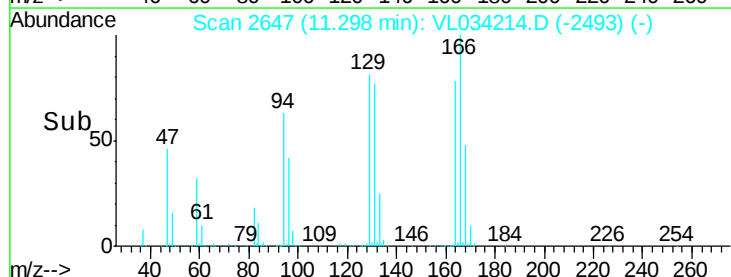
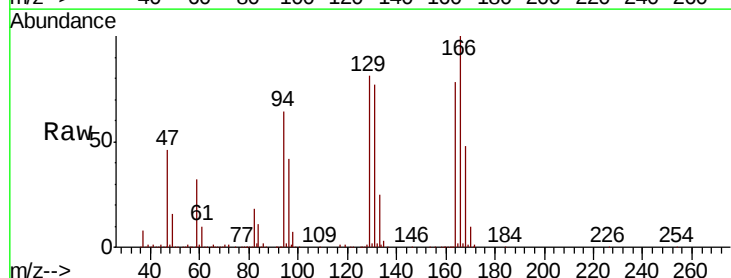
Ion Ratio Lower Upper

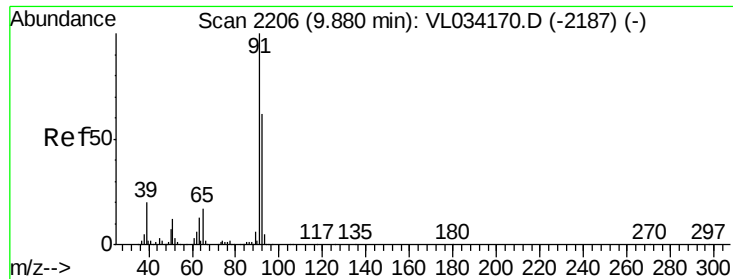
164 100

166 128.6 96.7 145.1

129 104.4 82.8 124.2

131 99.3 85.0 127.6





#53

Toluene

Concen: 3.560 ppbv

RT: 9.87 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Instrument :

MSVOA_L

ClientSampled :

SV-3

Tot Ion: 91 Resp: 790570

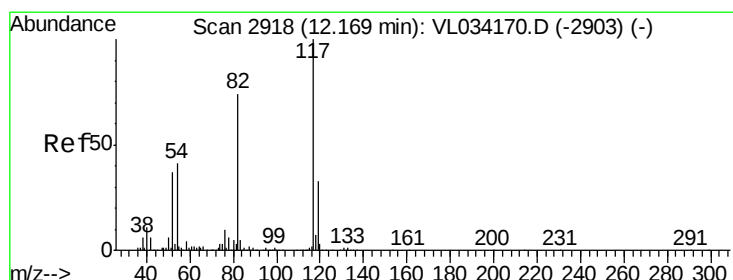
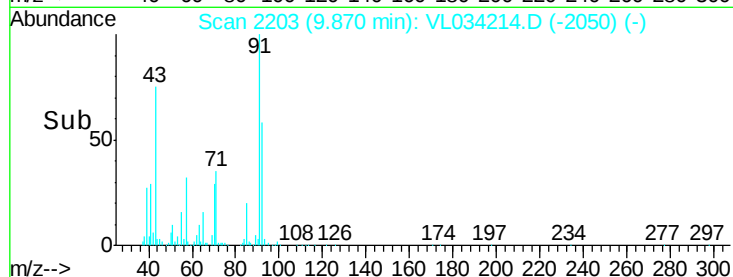
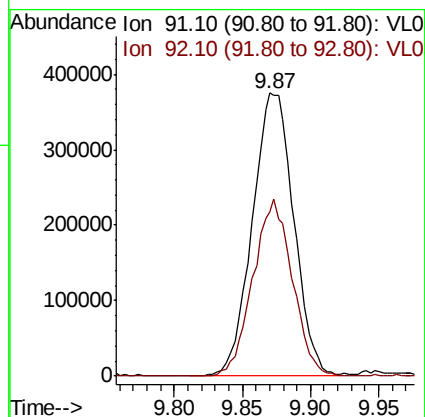
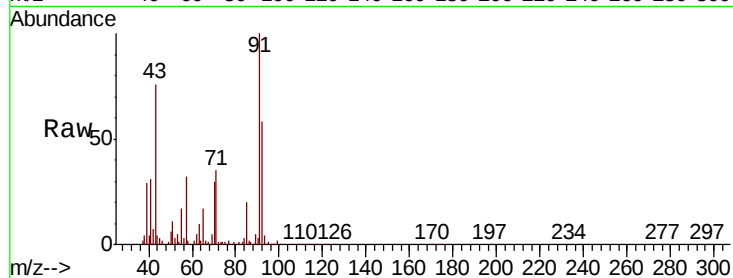
Ion Ratio Lower Upper

91 100

92 59.7 49.0 73.6

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2916

Delta R.T. -0.01 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

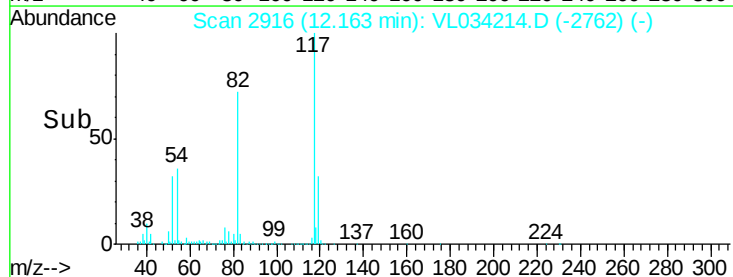
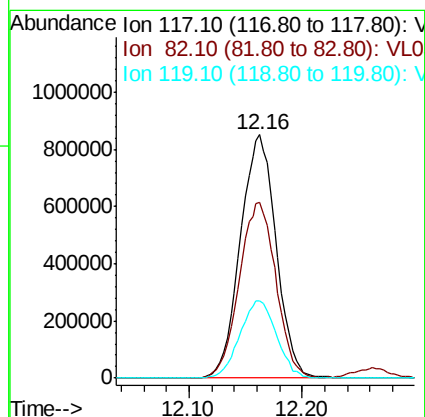
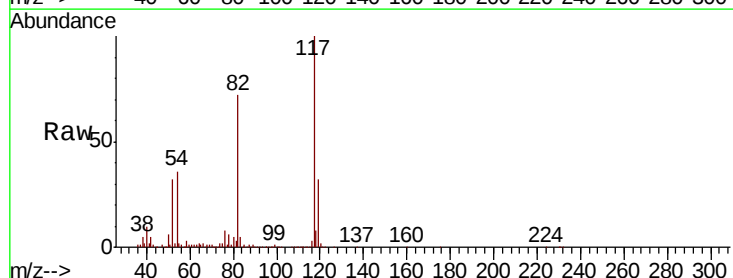
Tgt Ion: 117 Resp: 1872272

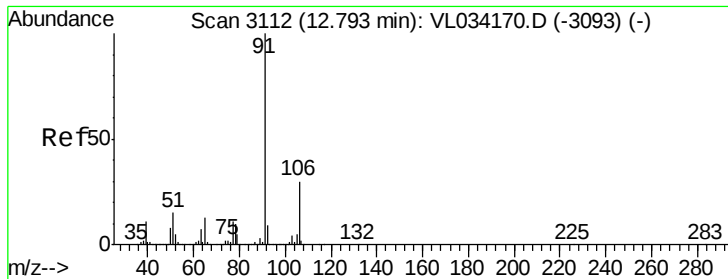
Ion Ratio Lower Upper

117 100

82 74.1 58.2 87.4

119 32.6 23.7 35.5





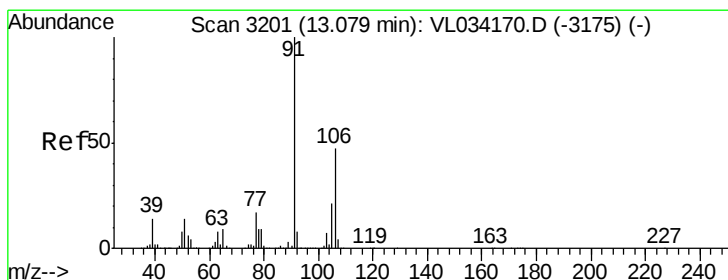
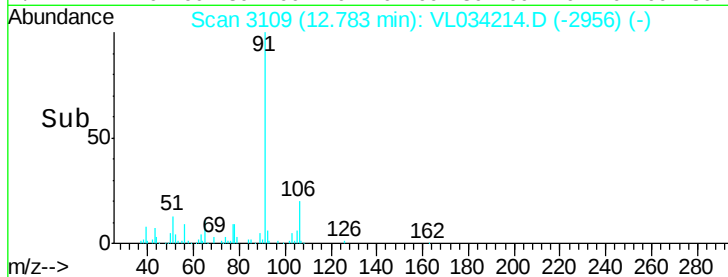
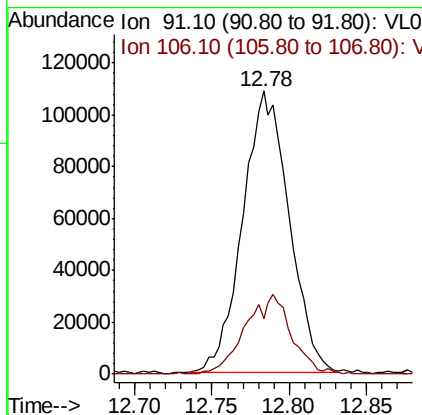
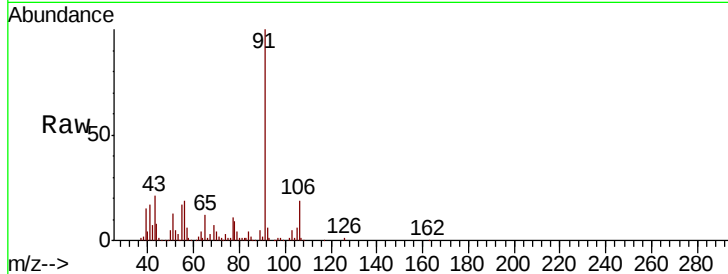
#58
Ethyl Benzene
Concen: 0.754 ppbv
RT: 12.78 min Scan# 3109
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Instrument :
MSVOA_L
ClientSampled :
SV-3

Tot Ion: 91 Resp: 227777
Ion Ratio Lower Upper
91 100
106 19.5 24.2 36.4#

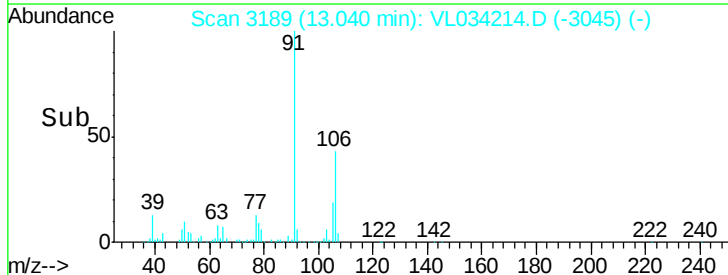
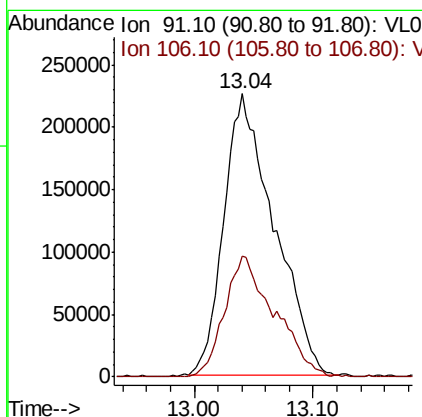
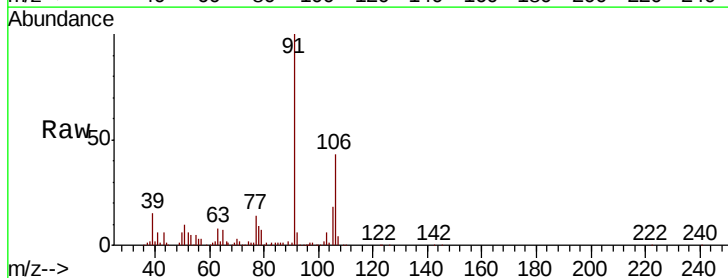
Manual Integrations
APPROVED

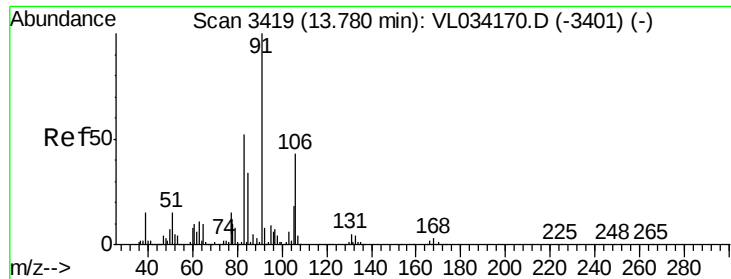
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#59
m/p-Xylene
Concen: 2.641 ppbv
RT: 13.04 min Scan# 3189
Delta R.T. -0.04 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion: 91 Resp: 660798
Ion Ratio Lower Upper
91 100
106 42.5 35.5 53.3





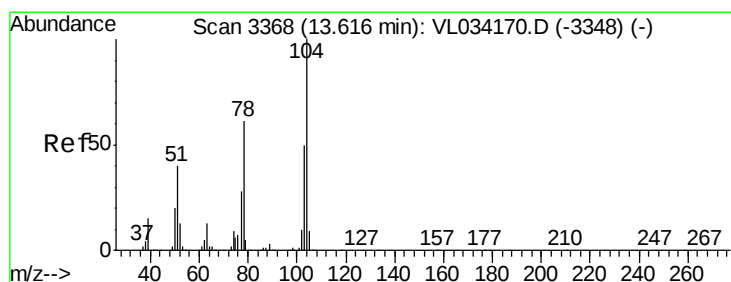
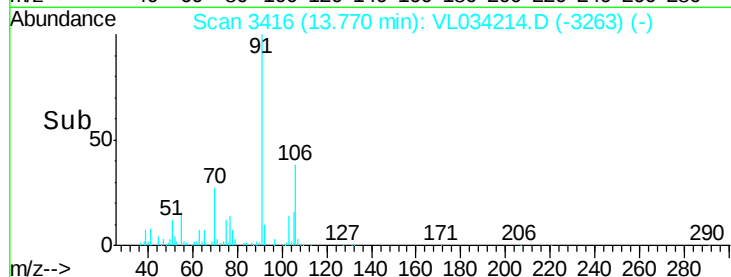
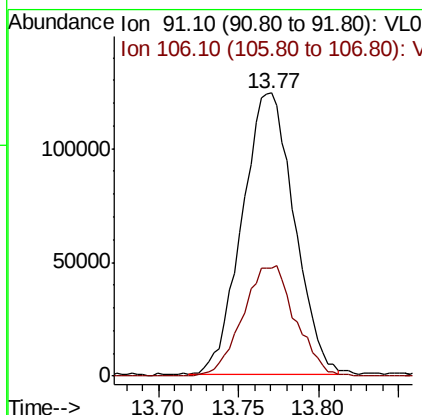
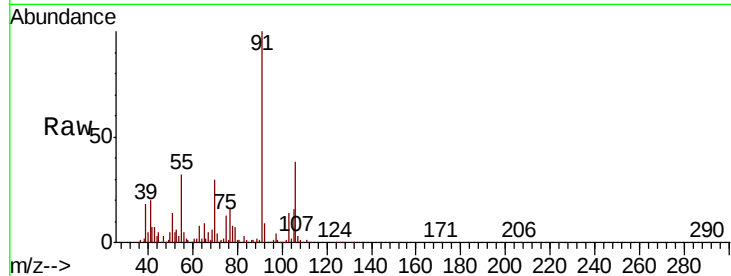
#60
o-Xylene
Concen: 1.106 ppbv
RT: 13.77 min Scan# 3416
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Instrument :
MSVOA_L
ClientSampled :
SV-3

Tot Ion	Ratio	Lower	Upper
91	100		
106	39.5	21.2	63.6

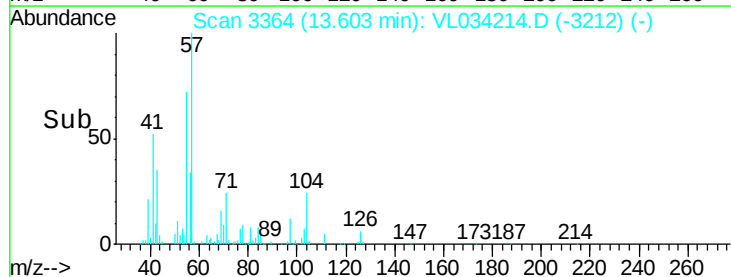
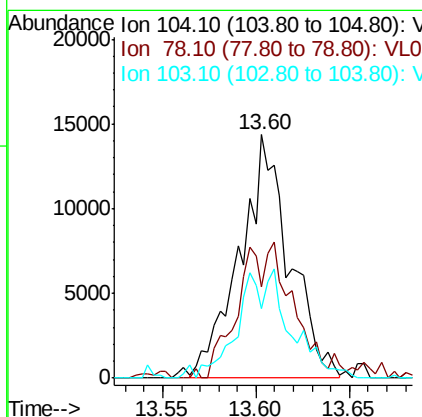
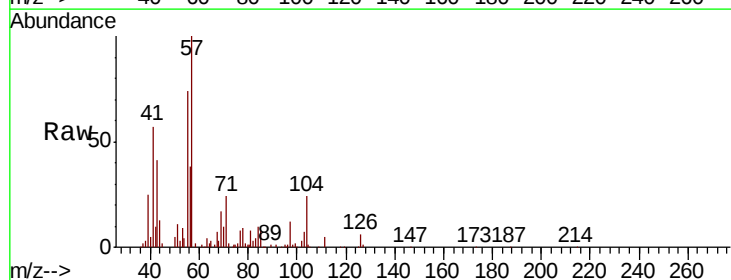
Manual Integrations
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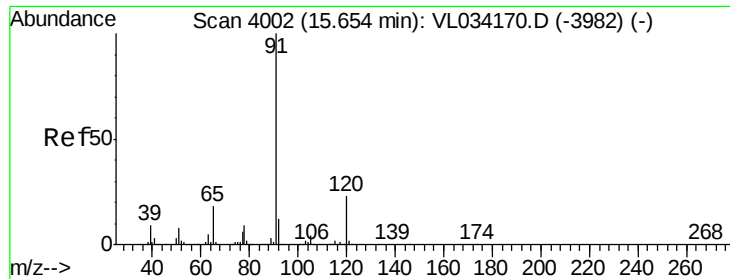
MMDadoda
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#61
Styrene
Concen: 0.149 ppbv m
RT: 13.60 min Scan# 3364
Delta R.T. -0.01 min
Lab File: VL034214.D
Acq: 2 Oct 2019 17:13

Tgt Ion	Ratio	Lower	Upper
104	100		
78	63.1	49.7	74.5
103	46.7	38.4	57.6





#64

n-propylbenzene

Concen: 0.292 ppbv m

RT: 15.64 min Scan# 3997

Delta R.T. -0.02 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Instrument :

MSVOA_L

ClientSampled :

SV-3

Tot Ion:120 Resp: 23966

Ion Ratio Lower Upper

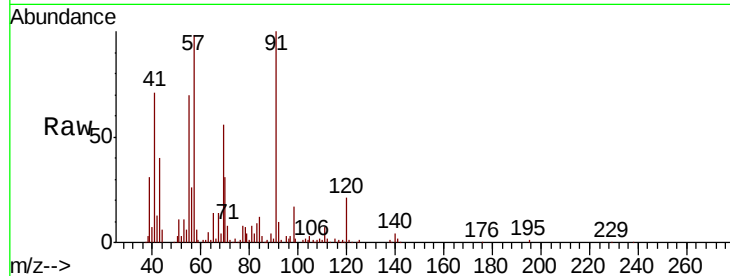
120 100

91 555.7 378.2 567.2

Manual Integrations
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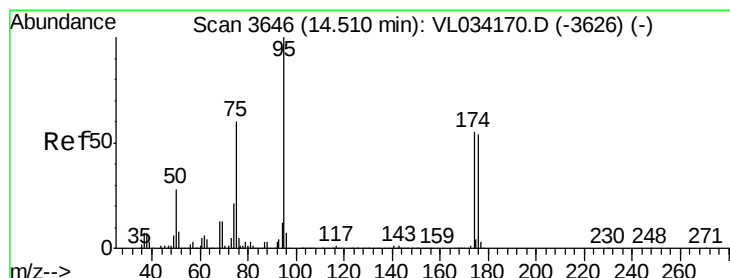
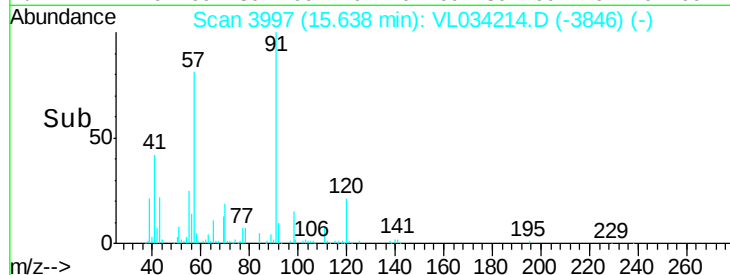
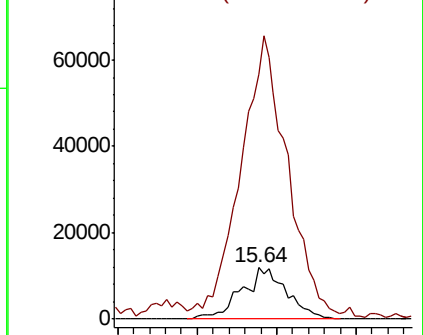
MMDadoda

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Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#68

1-Bromo-4-Fluorobenzene

Concen: 10.041 ppbv

RT: 14.49 min Scan# 3641

Delta R.T. -0.02 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

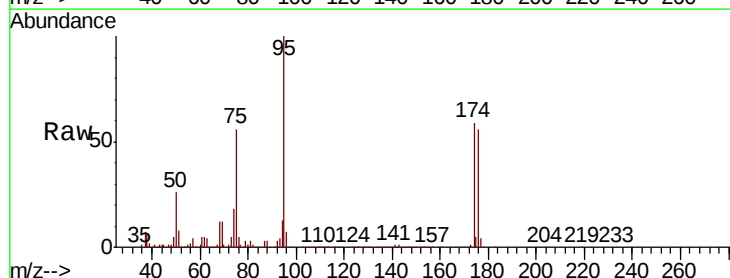
Tgt Ion: 95 Resp: 1633505

Ion Ratio Lower Upper

95 100

174 59.2 45.1 67.7

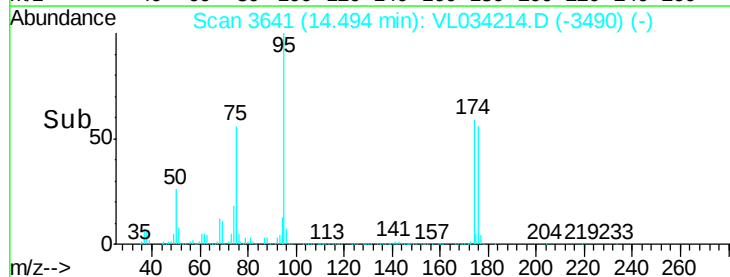
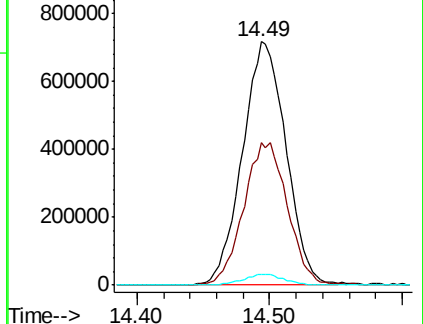
175 4.4 3.3 4.9

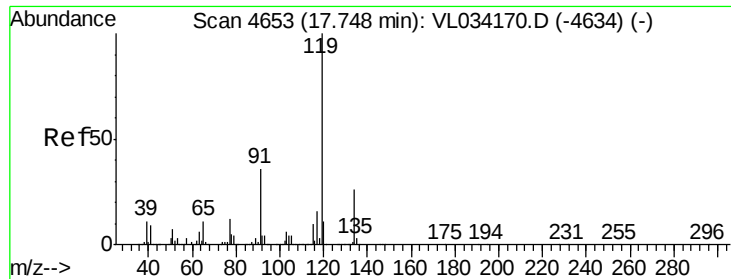


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





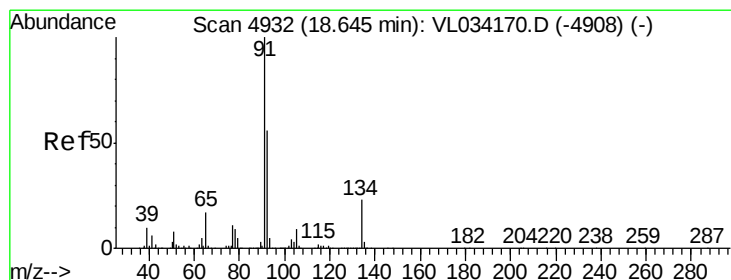
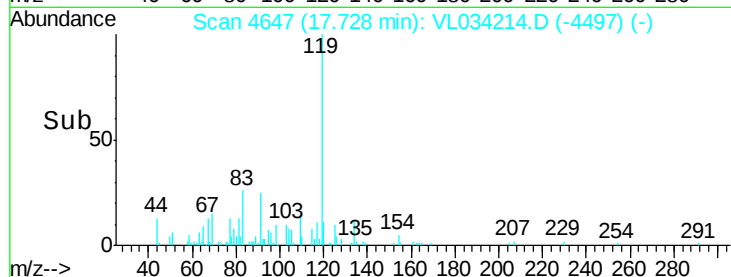
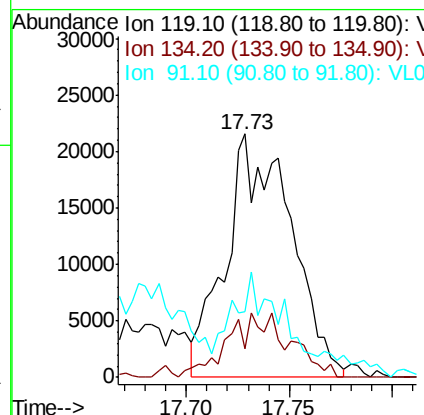
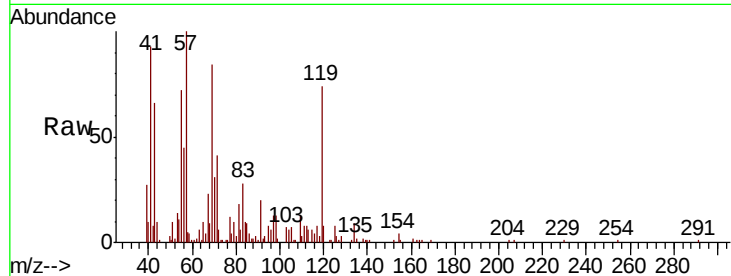
#69
 p-Isopropyltoluene
 Concen: 0.145 ppbv m
 RT: 17.73 min Scan# 4647
 Delta R.T. -0.02 min
 Lab File: VL034214.D
 Acq: 2 Oct 2019 17:13

Instrument :
 MSVOA_L
 ClientSampled :
 SV-3

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	30.8
91	38.4	27.6	41.4

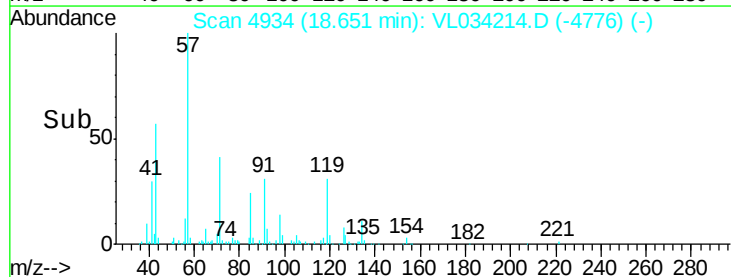
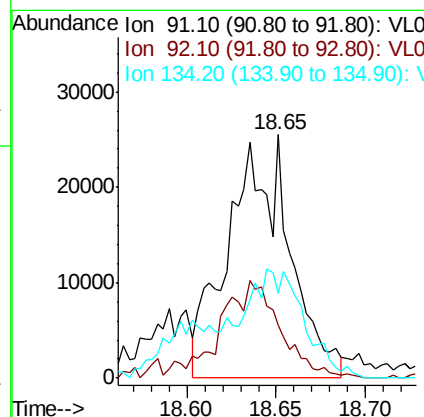
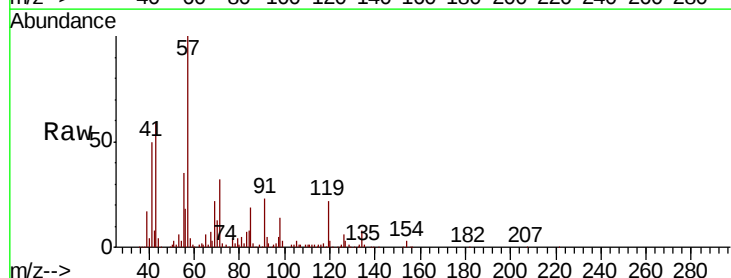
Manual Integrations
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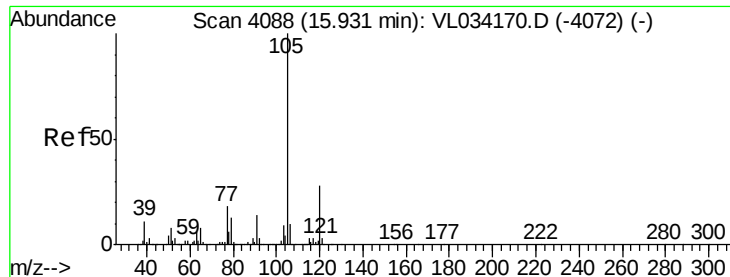
MMDadoda
 10/7/2019 12:29:59 PM



#70
 n-Butylbenzene
 Concen: 0.158 ppbv m
 RT: 18.65 min Scan# 4934
 Delta R.T. 0.01 min
 Lab File: VL034214.D
 Acq: 2 Oct 2019 17:13

Tgt Ion	Ratio	Lower	Upper
91	100		
92	42.0	44.8	67.2#
134	0.0	17.3	25.9#





#72

4-Ethyltoluene

Concen: 0.494 ppbv

RT: 15.92 min Scan# 4084

Delta R.T. -0.01 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Instrument :

MSVOA_L

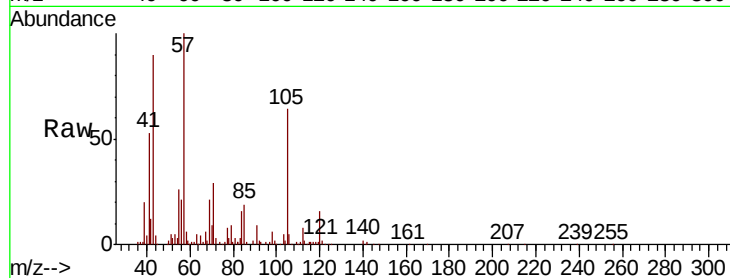
ClientSampled :

SV-3

Tot Ion:	105	Resp:	139605
Ion Ratio	Lower	Upper	
105	100		
120	27.4	23.3	34.9
91	14.4	11.4	17.2
77	19.7	13.3	19.9

Manual Integrations
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MMDadoda
10/7/2019 12:29:59 PM

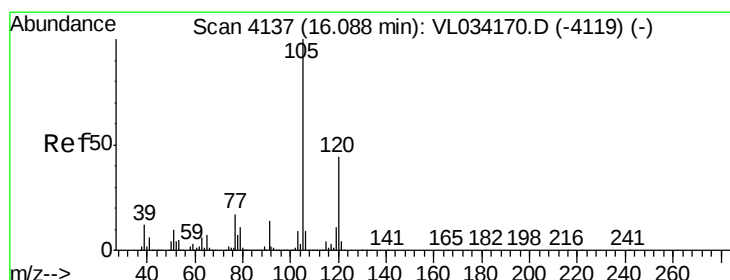
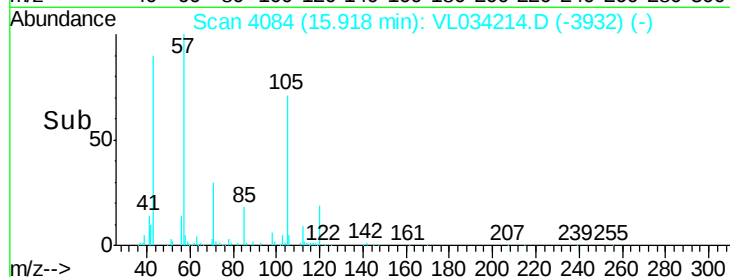
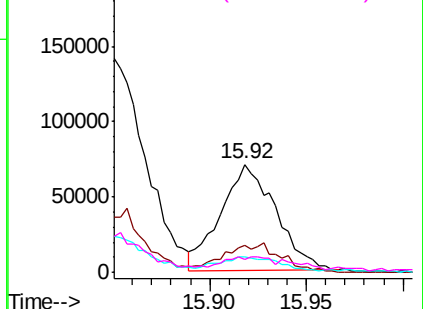


Abundance Ion 105.10 (104.80 to 105.80): V

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



#73

1,3,5-Trimethylbenzene

Concen: 0.456 ppbv

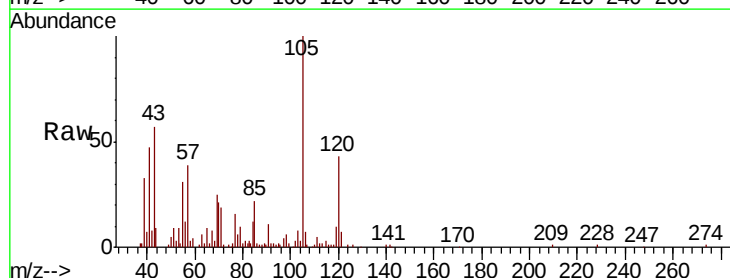
RT: 16.08 min Scan# 4133

Delta R.T. -0.01 min

Lab File: VL034214.D

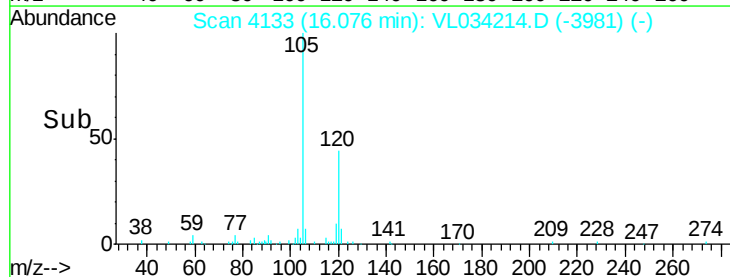
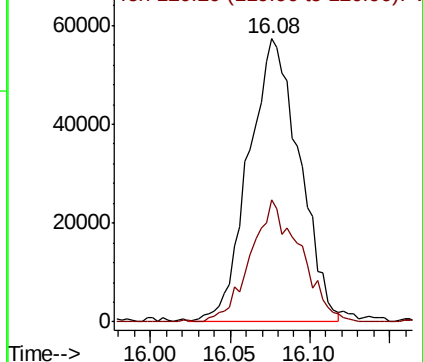
Acq: 2 Oct 2019 17:13

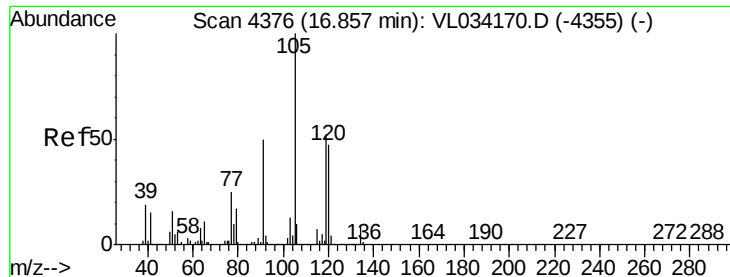
Tgt Ion:	105	Resp:	124659
Ion Ratio	Lower	Upper	
105	100		
120	43.0	35.6	53.4



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: 1.473 ppbv

RT: 16.84 min Scan# 4372

Delta R.T. -0.01 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Instrument :

MSVOA_L

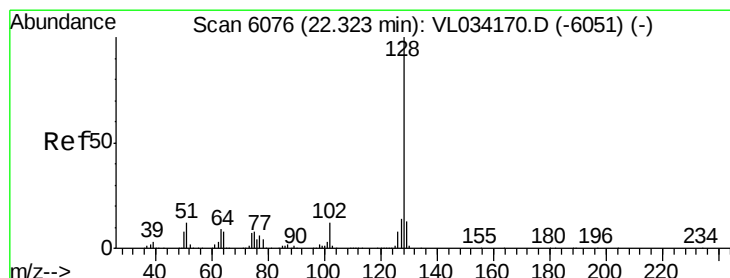
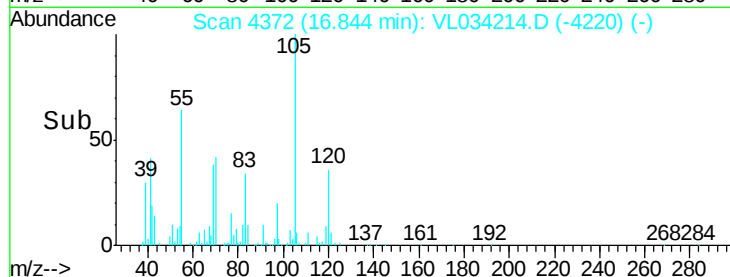
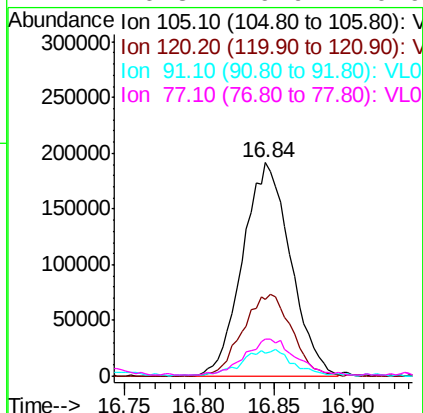
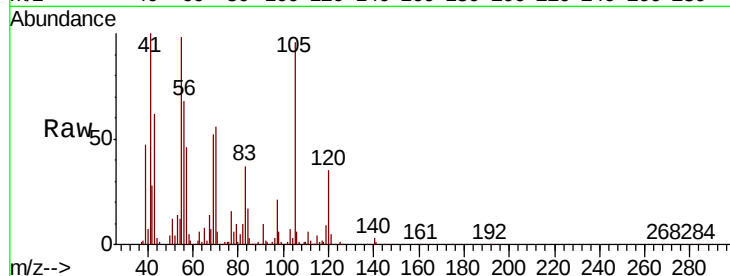
ClientSampled :

SV-3

Tot Ion:	105	Resp:	426986
Ion Ratio	Lower	Upper	
105	100		
120	36.1	37.5	56.3#
91	10.1	41.1	61.7#
77	16.3	19.9	29.9#

Manual Integrations
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#79

Naphthalene

Concen: 0.273 ppbv m

RT: 22.32 min Scan# 6074

Delta R.T. -0.01 min

Lab File: VL034214.D

Acq: 2 Oct 2019 17:13

Tgt Ion:	128	Resp:	69738
Ion Ratio	Lower	Upper	
128	100		
127	16.6	11.1	16.7
129	13.9	10.2	15.4

