

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
 Data File : VL034208.D
 Acq On : 2 Oct 2019 13:12
 Operator : SY/AP
 Sample : K5106-05
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:29:20 PM

Quant Time: Oct 04 01:47:34 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	5.70	49	1132868	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1936261	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1975262	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1723837	10.04	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	27702	0.166	ppbv	100
3) Chlorodifluoromethane	2.97	51	24698m	0.186	ppbv	
4) Chloromethane	3.12	50	194384	2.490	ppbv	95
5) Vinyl Chloride	3.25	62	15120	0.212	ppbv #	88
7) Chloroethane	3.56	64	6256m	0.251	ppbv	
9) Propene	2.99	41	5019334	76.591	ppbv	92
10) Heptane	8.18	43	906360	5.307	ppbv	95
11) Trichlorofluoromethane	3.96	101	47040m	0.309	ppbv	
13) Ethanol	3.61	45	583906	36.795	ppbv	98
15) Acetone	3.85	43	7310385m	48.147	ppbv	
17) tert-Butyl alcohol	4.31	59	1174199	12.205	ppbv	98
19) Isopropyl Alcohol	3.98	45	315330	3.377	ppbv #	95
20) Methylene Chloride	4.36	84	94937	2.169	ppbv #	88
26) Hexane	5.72	57	706832	5.918	ppbv #	40
27) Carbon Disulfide	4.56	76	1066646	9.683	ppbv	99
29) Chloroform	5.79	83	1981525	11.610	ppbv	98
30) Cyclohexane	7.18	84	132373	1.535	ppbv #	87
32) 1,1,1-Trichloroethane	6.56	97	8636m	0.052	ppbv	
34) 2-Butanone	5.27	43	3322601	16.806	ppbv	95
35) Carbon Tetrachloride	7.07	117	6714m	0.042	ppbv	
36) Benzene	6.94	78	2637630	12.334	ppbv	99
38) Trichloroethene	7.90	130	16515m	0.216	ppbv	
41) Tetrahydrofuran	6.09	42	36343m	0.326	ppbv	
43) Methyl Methacrylate	8.07	69	75037m	0.849	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	390994	0.950	ppbv #	54
50) 4-Methyl-2-Pentanone	8.80	43	236372	0.822	ppbv	94
51) 2-Hexanone	10.19	43	527968	2.186	ppbv #	96
52) Tetrachloroethene	11.30	164	1501111	21.246	ppbv	95
53) Toluene	9.87	91	2304316	9.860	ppbv	100
58) Ethyl Benzene	12.79	91	489172m	1.535	ppbv	
59) m/p-Xylene	13.04	91	1134539m	4.298	ppbv	
60) o-Xylene	13.77	91	440013	1.667	ppbv	96
61) Styrene	13.61	104	43403m	0.230	ppbv	
62) Isopropylbenzene	14.74	105	50184m	0.147	ppbv	
64) n-propylbenzene	15.64	120	36936m	0.427	ppbv	
65) tert-Butylbenzene	16.85	119	58655m	0.196	ppbv	
69) p-Isopropyltoluene	17.73	119	58287m	0.169	ppbv	
70) n-Butylbenzene	18.64	91	72808m	0.181	ppbv	
72) 4-Ethyltoluene	15.92	105	186617	0.626	ppbv	97
73) 1,3,5-Trimethylbenzene	16.08	105	158402m	0.550	ppbv	
74) 1,2,4-Trimethylbenzene	16.84	105	549730	1.797	ppbv #	70

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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)
79) Naphthalene	22.30	128	55553m	0.206	ppbv	

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

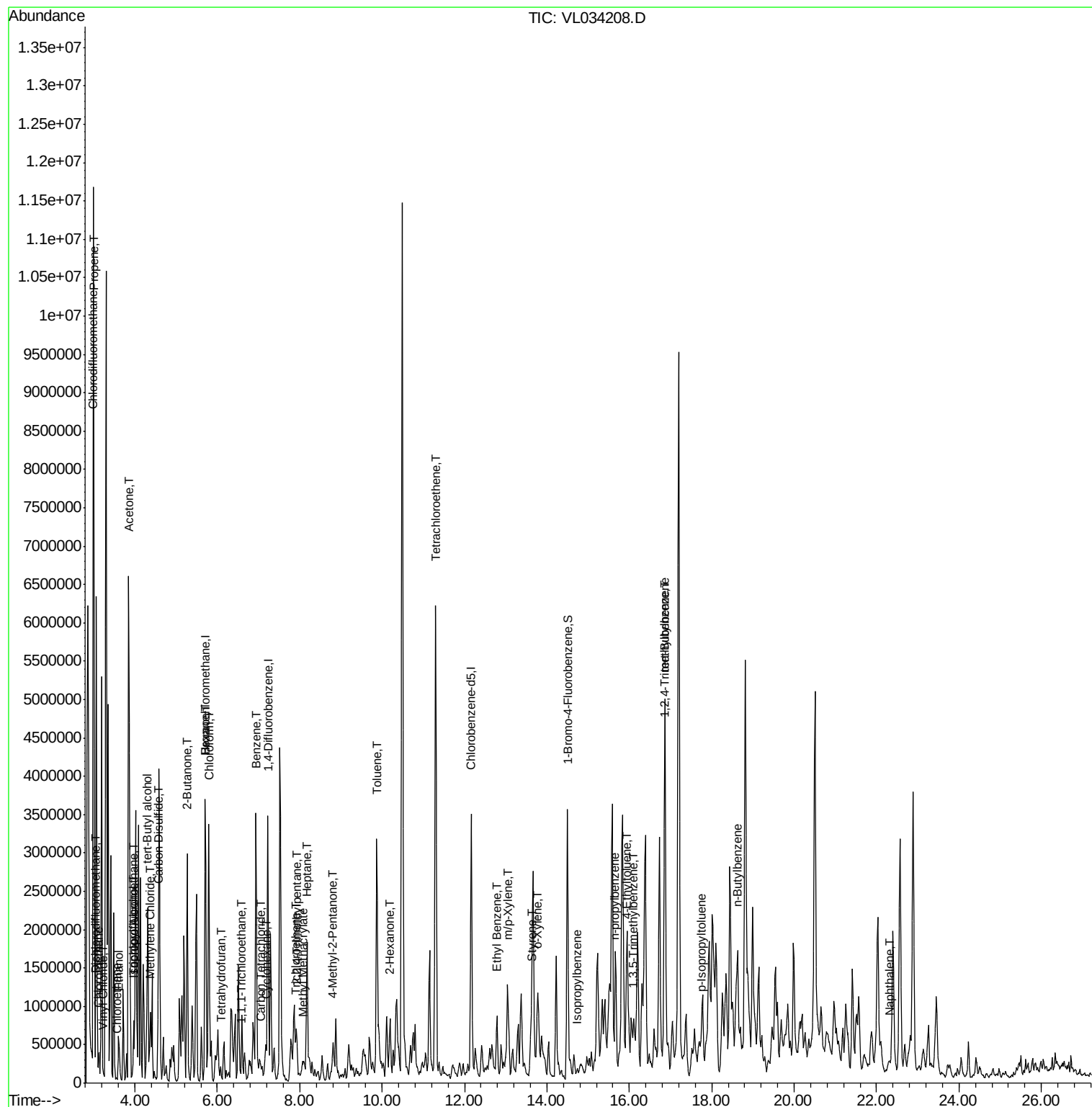
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
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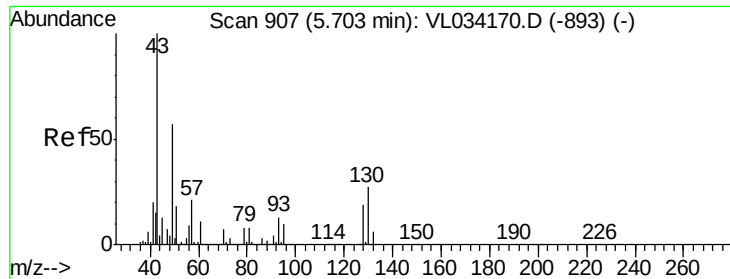
Instrument :
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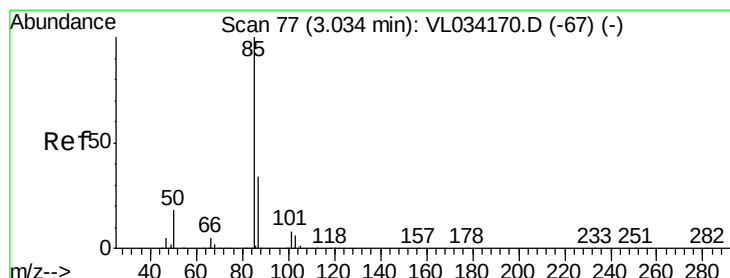
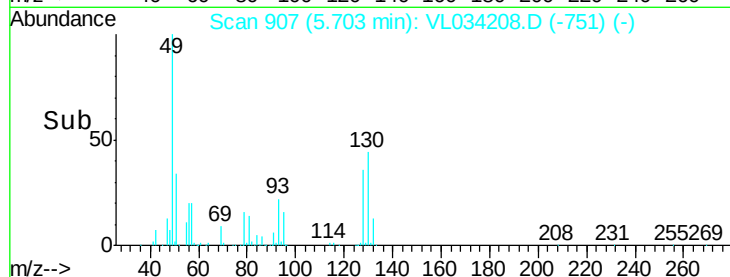
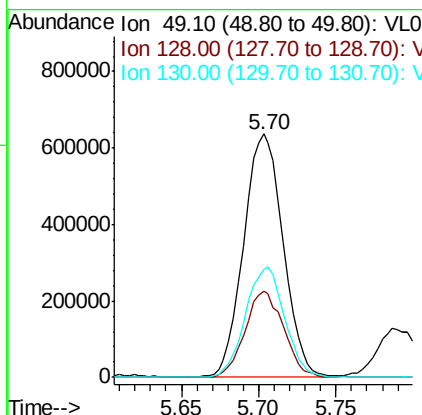
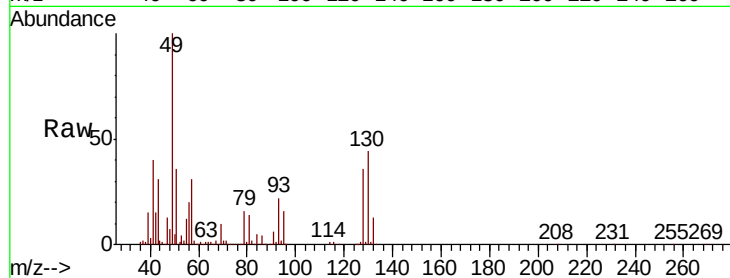
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.70 min Scan# 907
Delta R.T. 0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Instrument :
MSVOA_L
ClientSampleId :
SV-5

Tot Ion: 49 Resp: 1132868
Ion Ratio Lower Upper
49 100
128 35.1 17.6 52.9
130 45.0 22.3 66.9

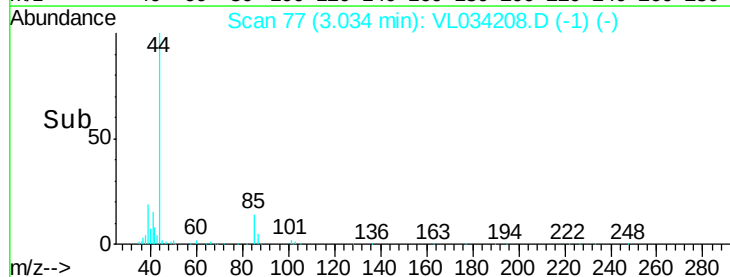
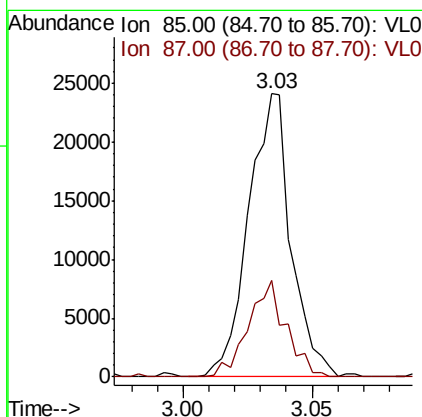
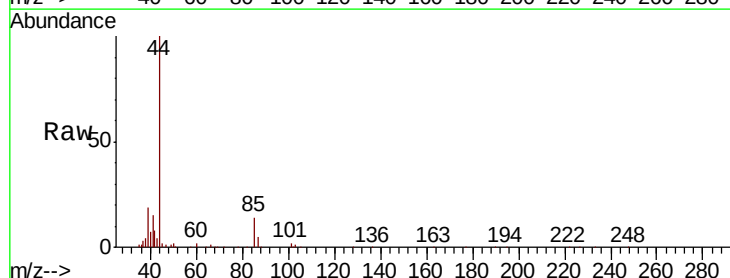
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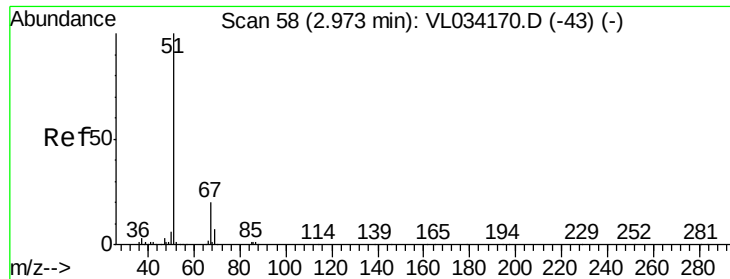
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#2
Dichlorodifluoromethane
Concen: 0.166 ppbv
RT: 3.03 min Scan# 77
Delta R.T. 0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion: 85 Resp: 27702
Ion Ratio Lower Upper
85 100
87 34.1 27.2 40.8





#3

Chlorodifluoromethane

Concen: 0.186 ppbv

RT: 2.97 min Scan# 58

Delta R.T. 0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampled :

SV-5

Tot Ion: 51 Resp: 24698

Ion Ratio Lower Upper

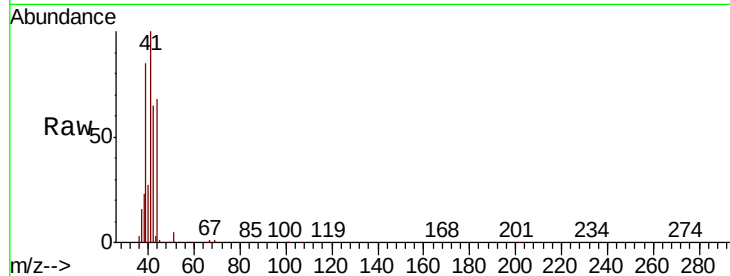
51 100

67 19.3 14.8 22.2

Manual Integrations
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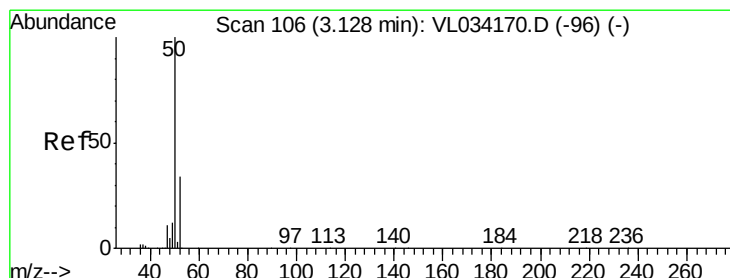
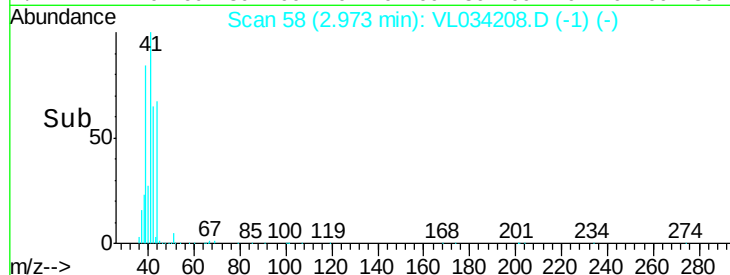
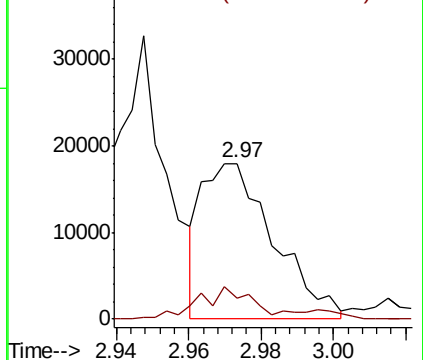
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 2.490 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL034208.D

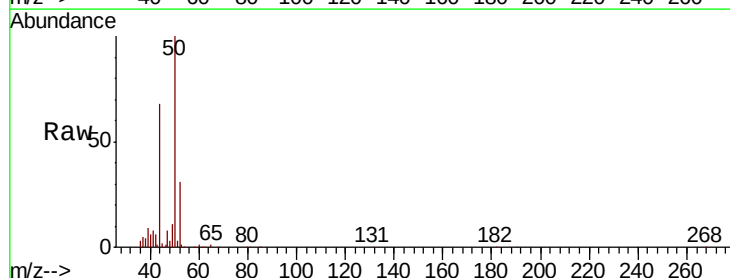
Acq: 2 Oct 2019 13:12

Tgt Ion: 50 Resp: 194384

Ion Ratio Lower Upper

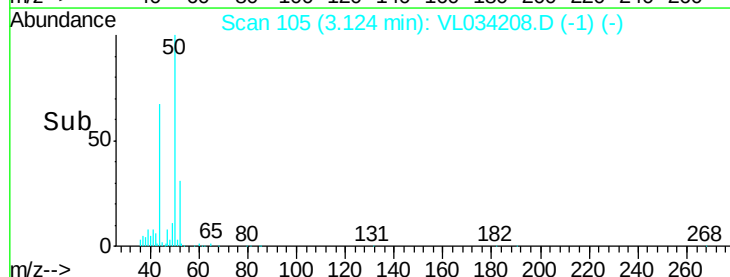
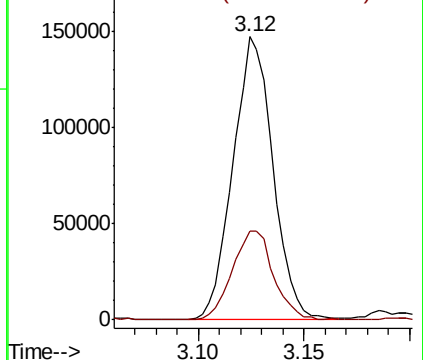
50 100

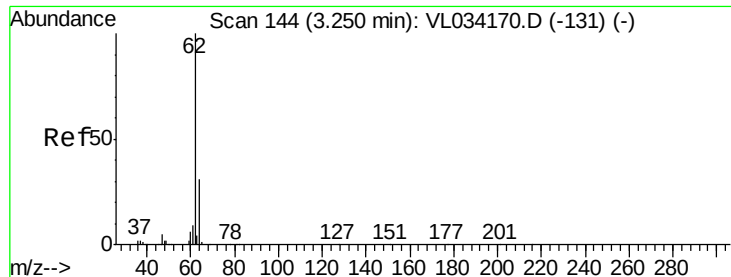
52 31.2 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.212 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampled :

SV-5

Tot Ion: 62 Resp: 15120

Ion Ratio Lower Upper

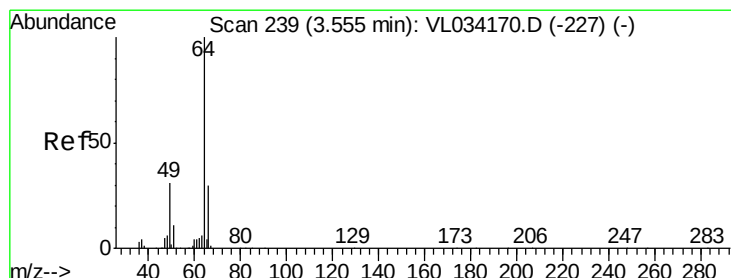
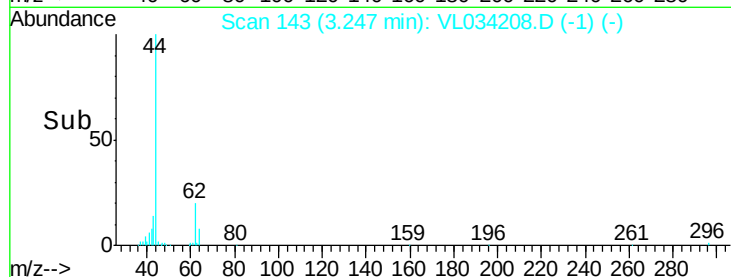
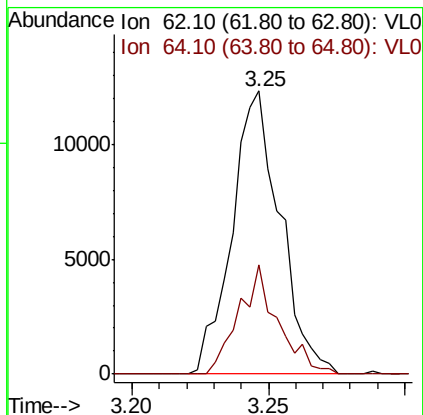
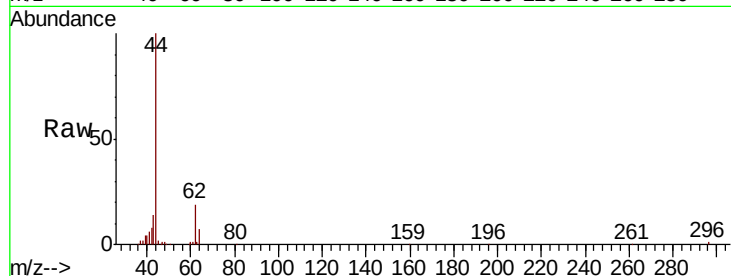
62 100

64 38.4 25.2 37.8#

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#7

Chloroethane

Concen: 0.251 ppbv m

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL034208.D

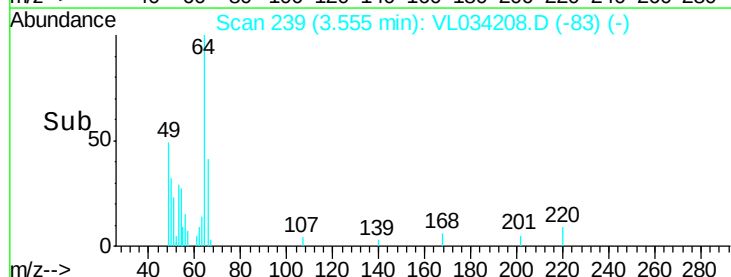
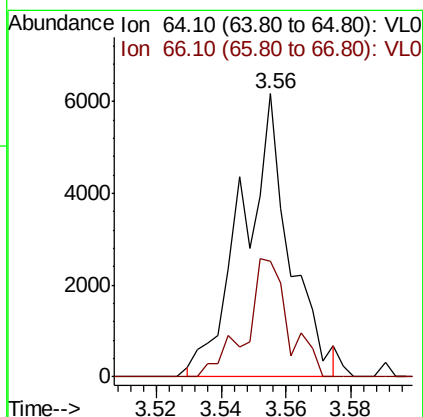
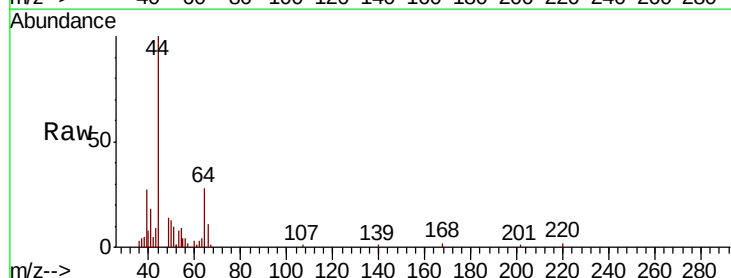
Acq: 2 Oct 2019 13:12

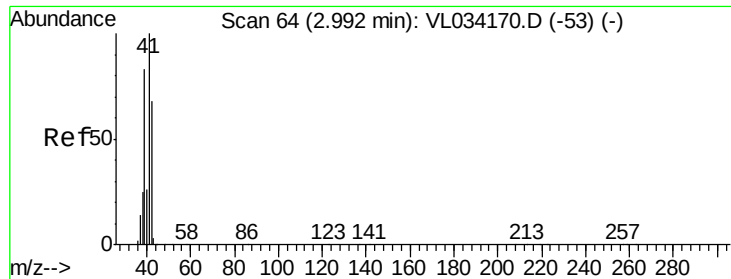
Tgt Ion: 64 Resp: 6256

Ion Ratio Lower Upper

64 100

66 40.7 24.2 36.4#





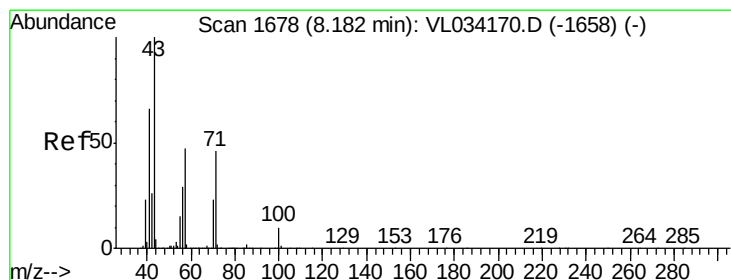
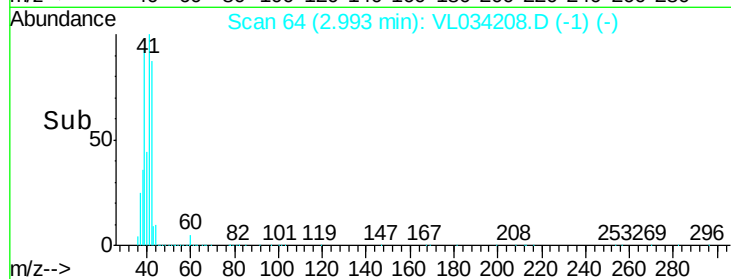
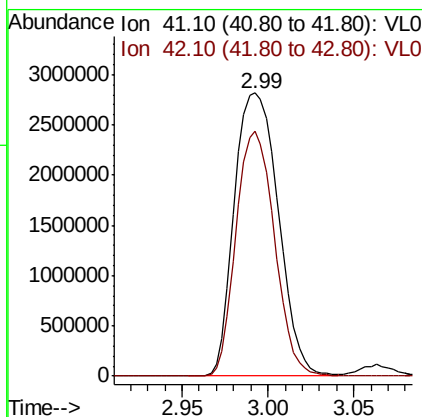
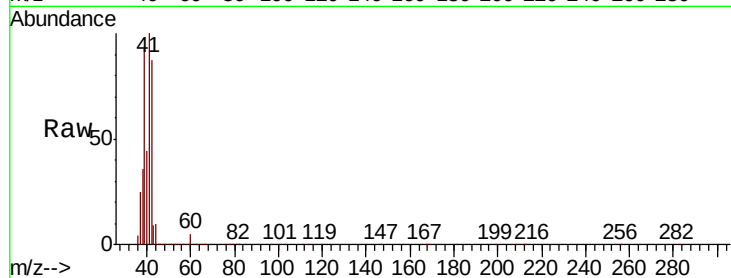
#9
 Propene
 Concen: 76.591 ppbv
 RT: 2.99 min Scan# 64
 Delta R.T. 0.00 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5

Tot Ion: 41 Resp: 5019334
 Ion Ratio Lower Upper
 41 100
 42 76.0 55.8 83.6

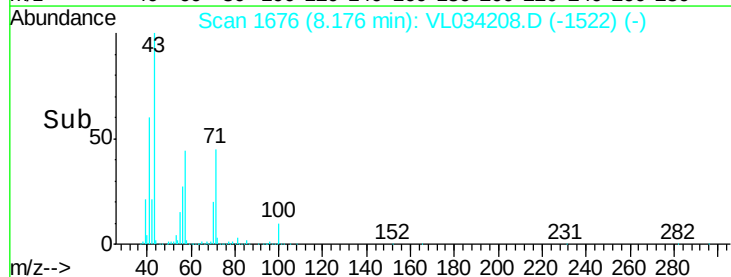
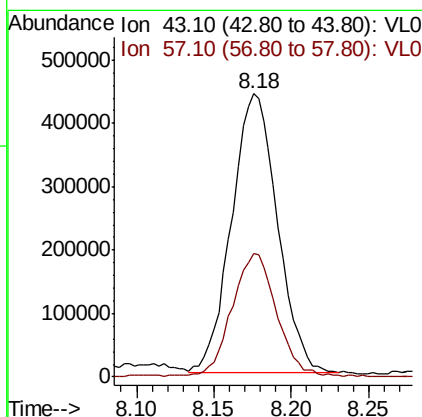
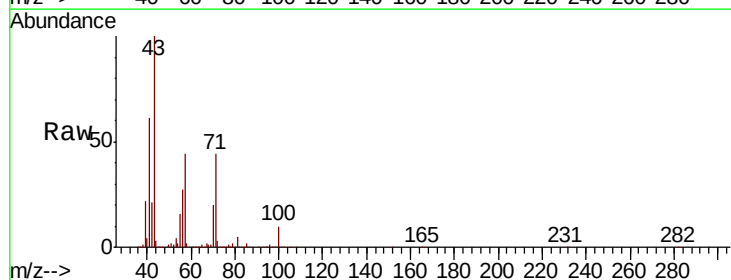
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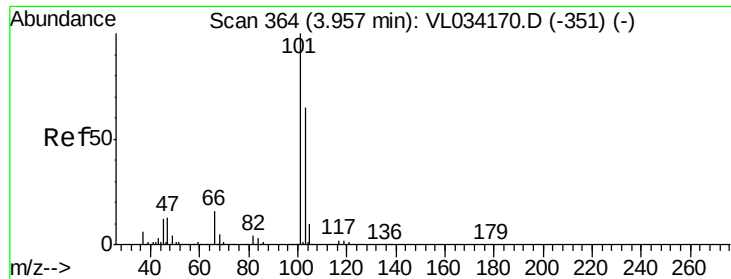
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#10
 Heptane
 Concen: 5.307 ppbv
 RT: 8.18 min Scan# 1676
 Delta R.T. -0.01 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

Tgt Ion: 43 Resp: 906360
 Ion Ratio Lower Upper
 43 100
 57 43.7 37.5 56.3





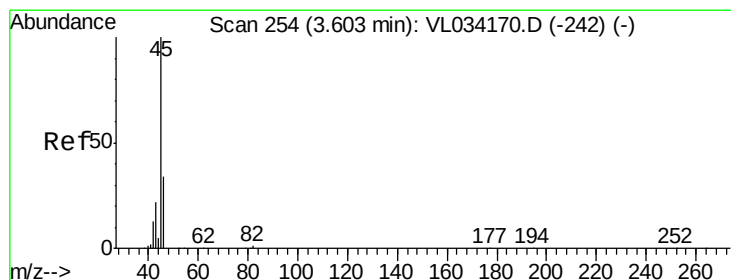
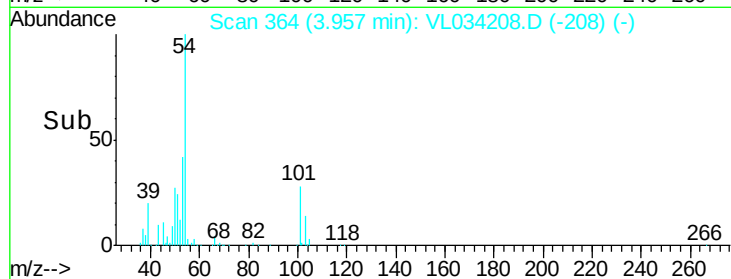
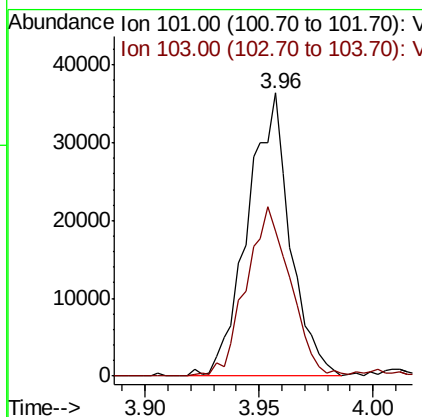
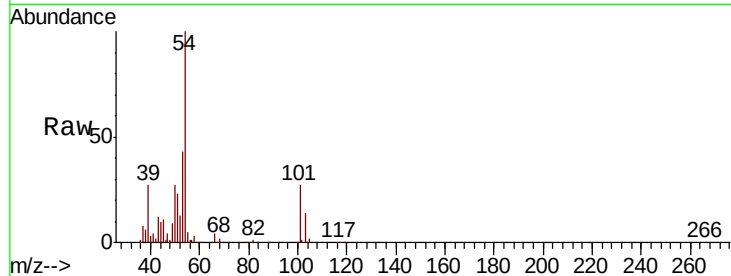
#11
 Trichlorofluoromethane
 Concen: 0.309 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

Instrument :
 MSVOA_L
 ClientSampled :
 SV-5

Tot Ion: 101 Resp: 47040
 Ion Ratio Lower Upper
 101 100
 103 51.2 52.1 78.1#

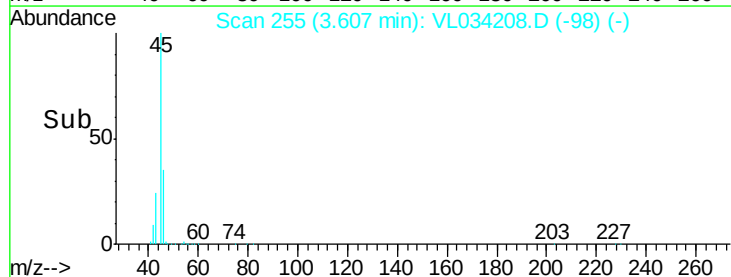
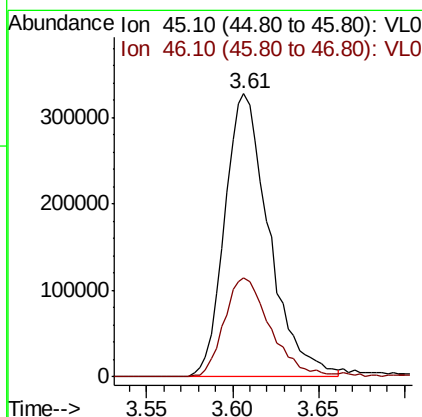
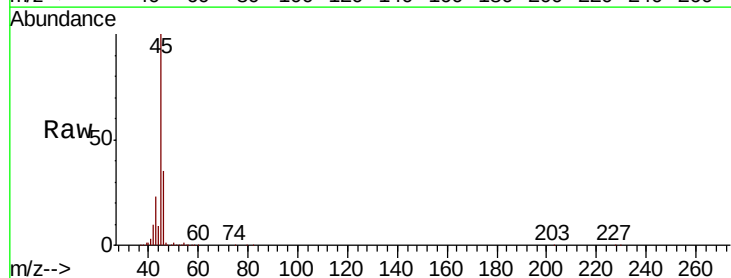
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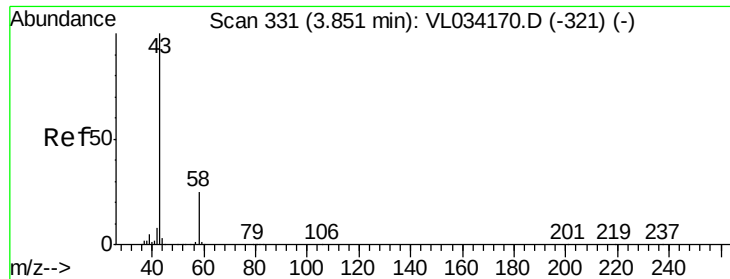
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#13
 Ethanol
 Concen: 36.795 ppbv
 RT: 3.61 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

Tgt Ion: 45 Resp: 583906
 Ion Ratio Lower Upper
 45 100
 46 37.6 15.5 61.9





#15

Acetone

Concen: 48.147 ppbv m

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampleId :

SV-5

Tot Ion: 43 Resp: 7310385

Ion Ratio Lower Upper

43 100

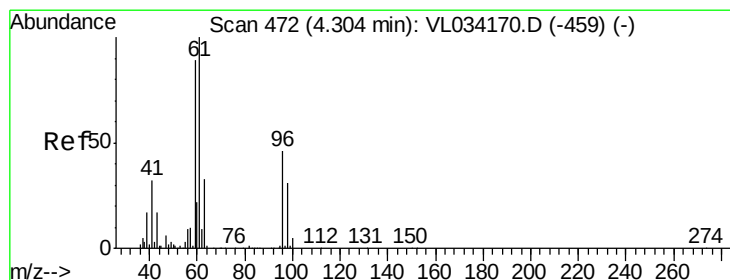
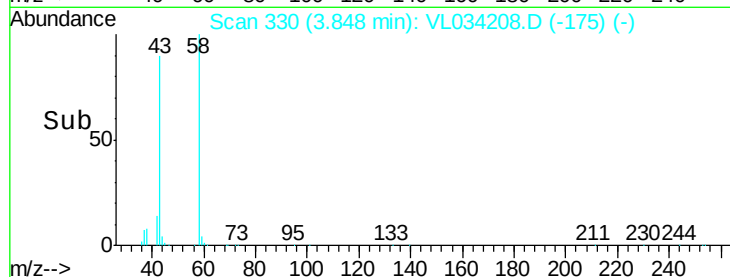
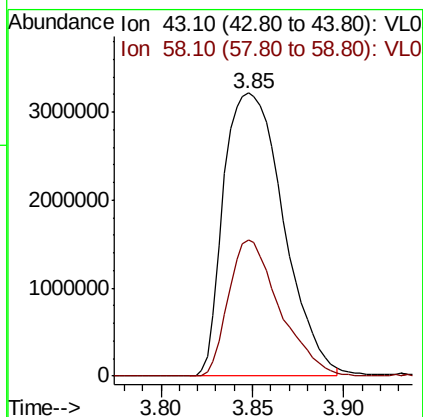
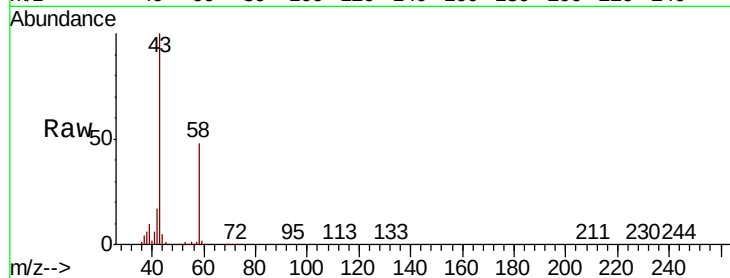
58 41.1 20.5 30.7#

Manual Integrations

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#17

tert-Butyl alcohol

Concen: 12.205 ppbv

RT: 4.31 min Scan# 473

Delta R.T. 0.00 min

Lab File: VL034208.D

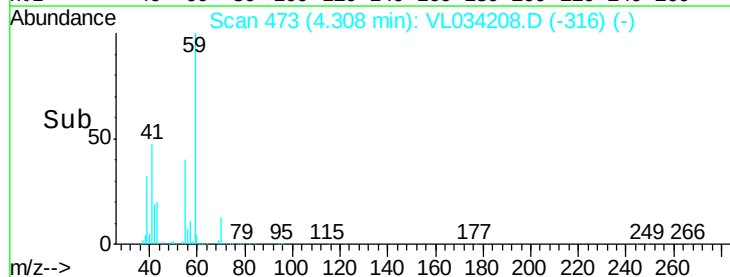
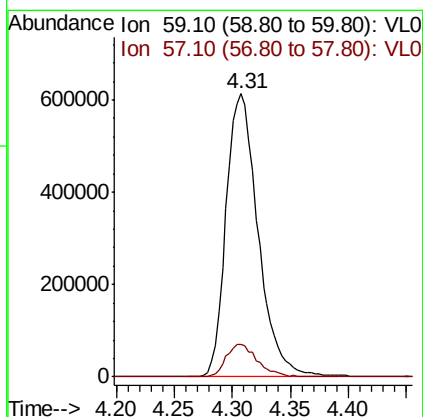
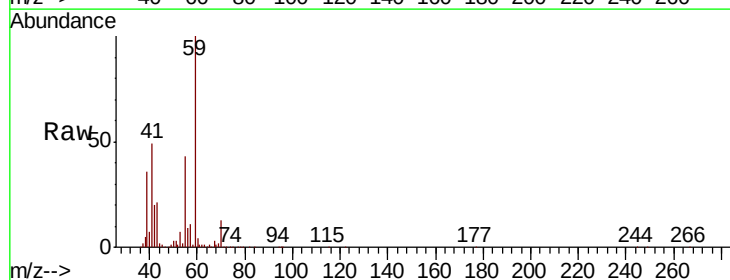
Acq: 2 Oct 2019 13:12

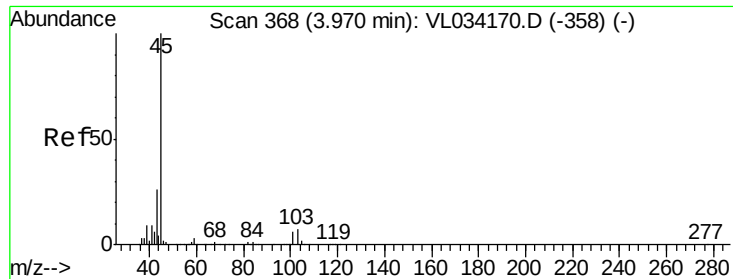
Tgt Ion: 59 Resp: 1174199

Ion Ratio Lower Upper

59 100

57 11.7 8.7 13.1





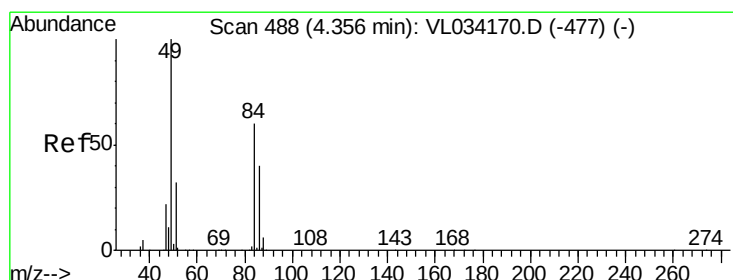
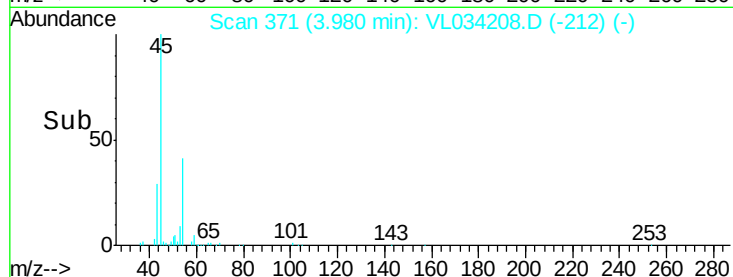
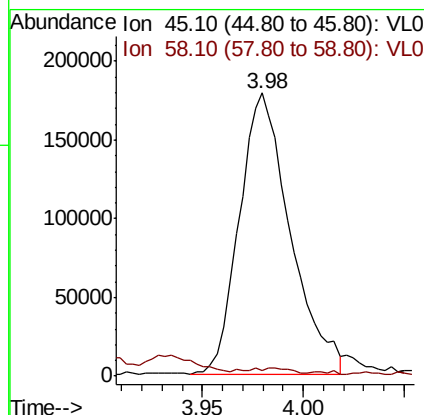
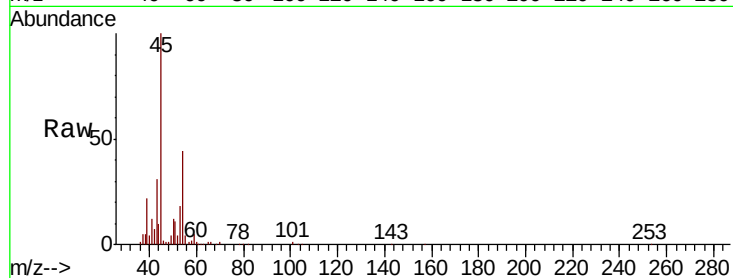
#19
Isopropyl Alcohol
Concen: 3.377 ppbv
RT: 3.98 min Scan# 371
Delta R.T. 0.01 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Instrument :
MSVOA_L
ClientSampleId :
SV-5

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

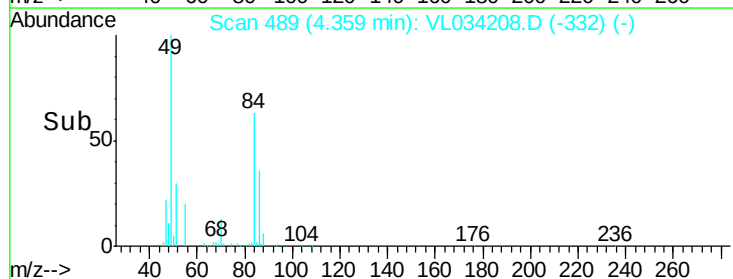
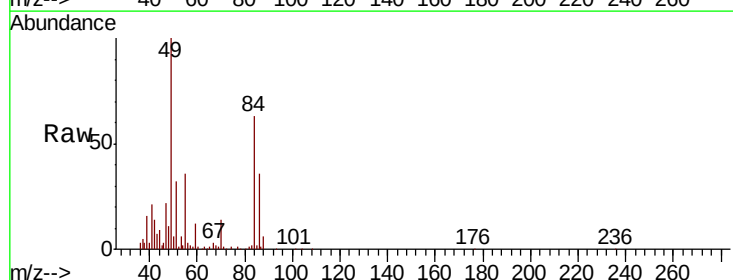
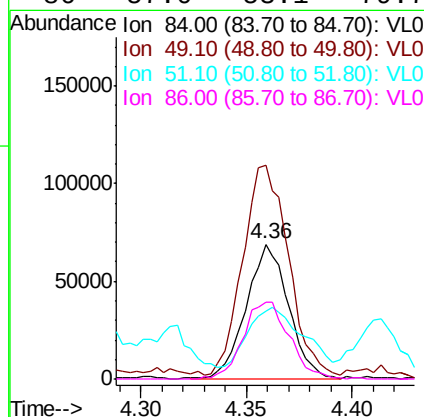
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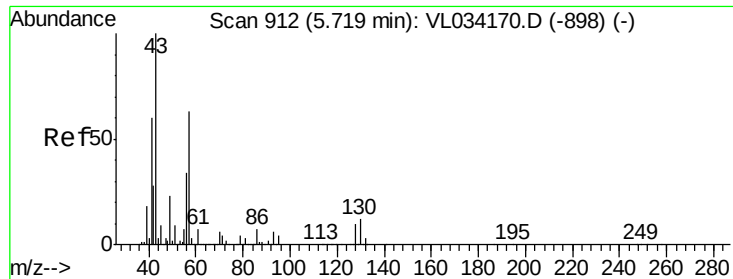
MMDadoda
10/7/2019 12:29:20 PM



#20
Methylene Chloride
Concen: 2.169 ppbv
RT: 4.36 min Scan# 489
Delta R.T. 0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion	Ratio	Lower	Upper
84	100		
49	156.0	133.8	200.8
51	35.8	43.6	65.4#
86	57.0	53.1	79.7





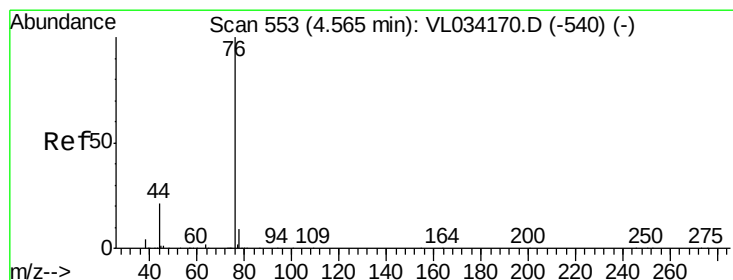
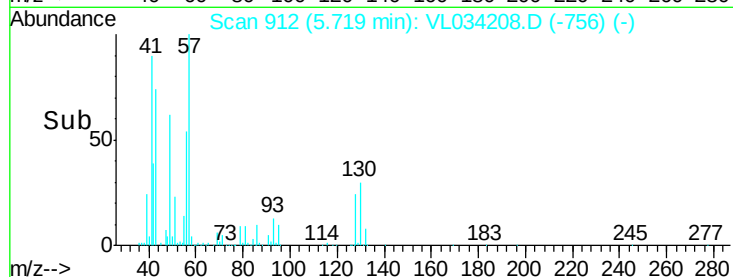
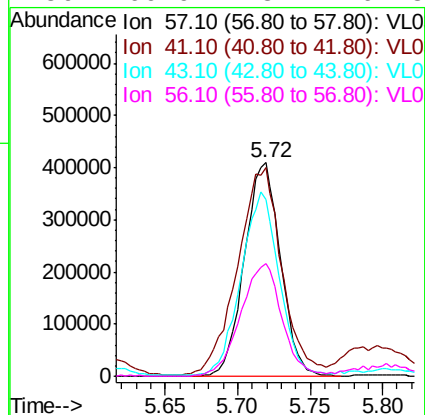
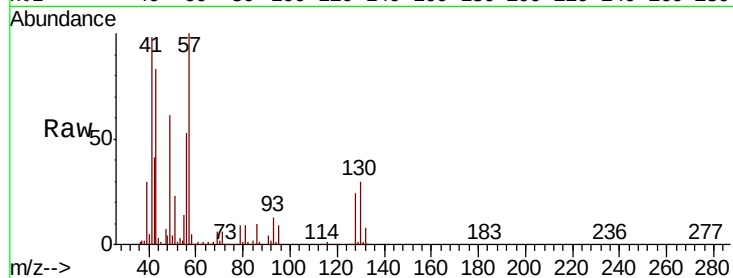
#26
Hexane
Concen: 5.918 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Instrument :
MSVOA_L
ClientSampled :
SV-5

Tot Ion	Ratio	Lower	Upper
57	100		
41	119.5	78.5	117.7#
43	91.0	189.5	284.3#
56	60.9	43.2	64.8

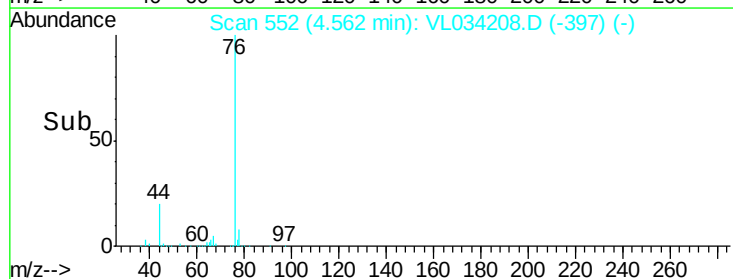
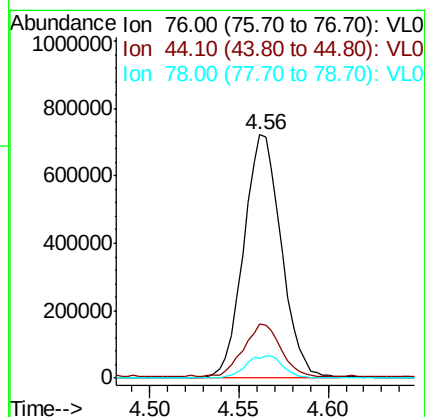
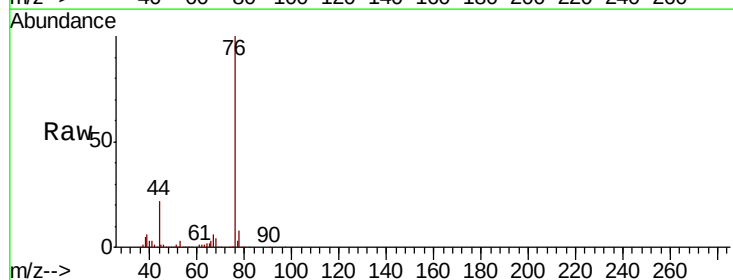
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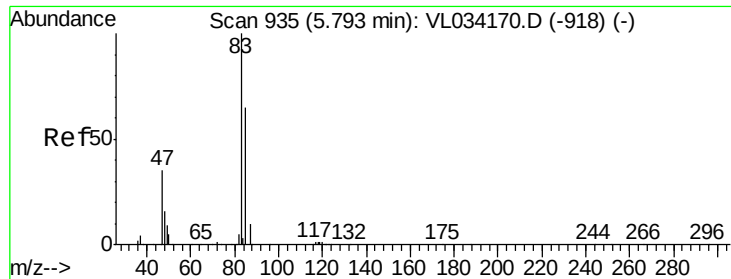
MMDadoda
10/7/2019 12:29:20 PM



#27
Carbon Disulfide
Concen: 9.683 ppbv
RT: 4.56 min Scan# 552
Delta R.T. -0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion	Ratio	Lower	Upper
76	100		
44	22.9	17.6	26.4
78	9.3	7.6	11.4





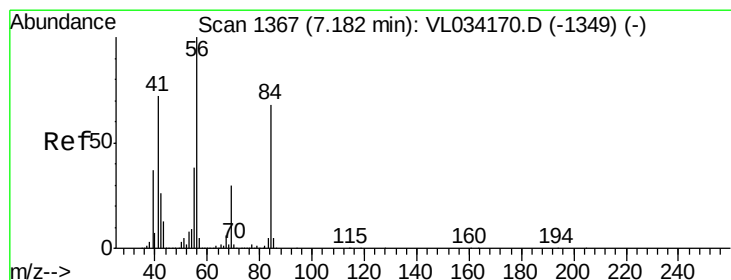
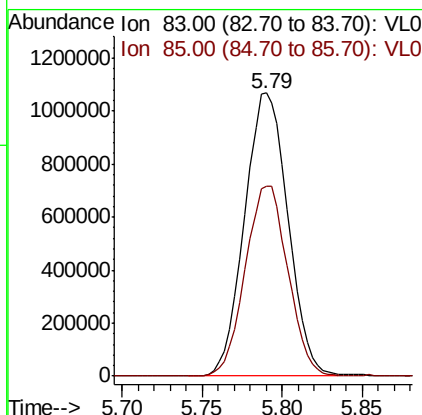
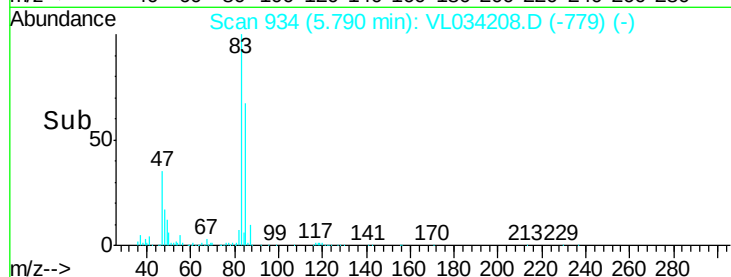
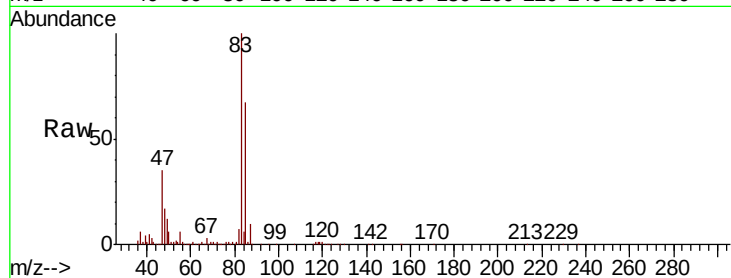
#29
Chloroform
Concen: 11.610 ppbv
RT: 5.79 min Scan# 934
Delta R.T. -0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Instrument :
MSVOA_L
ClientSampleId :
SV-5

Tot Ion: 83 Resp: 1981525
Ion Ratio Lower Upper
83 100
85 67.1 52.3 78.5

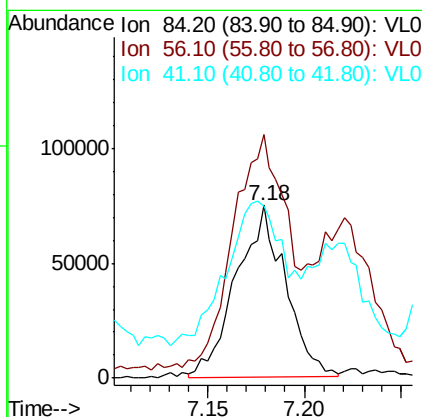
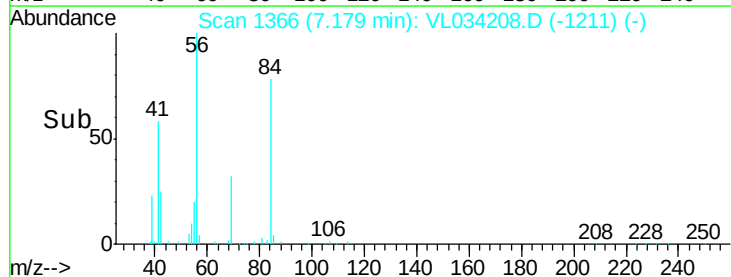
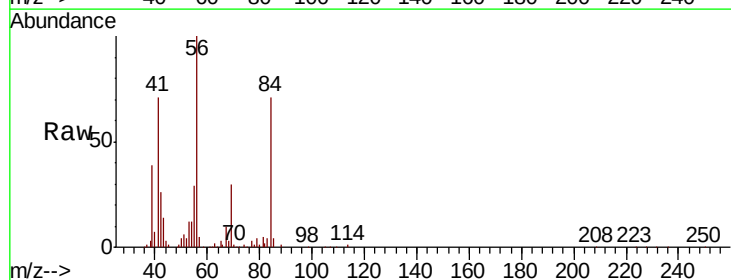
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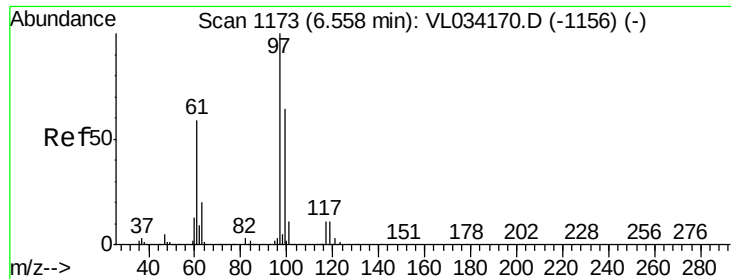
MMDadoda
10/7/2019 12:29:20 PM



#30
Cyclohexane
Concen: 1.535 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. -0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion: 84 Resp: 132373
Ion Ratio Lower Upper
84 100
56 158.9 126.2 189.2
41 138.3 85.8 128.8#





#32

1,1,1-Trichloroethane

Concen: 0.052 ppbv m

RT: 6.56 min Scan# 1175

Delta R.T. 0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampled :

SV-5

Tot Ion: 97 Resp: 8636

Ion Ratio Lower Upper

97 100

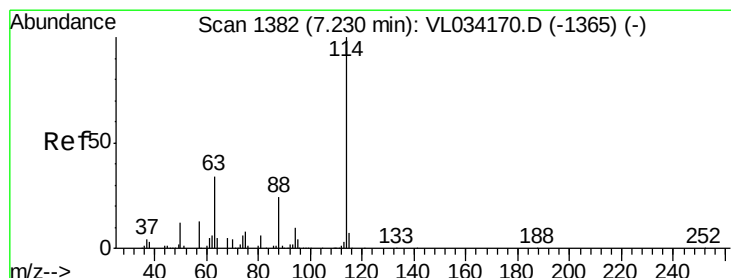
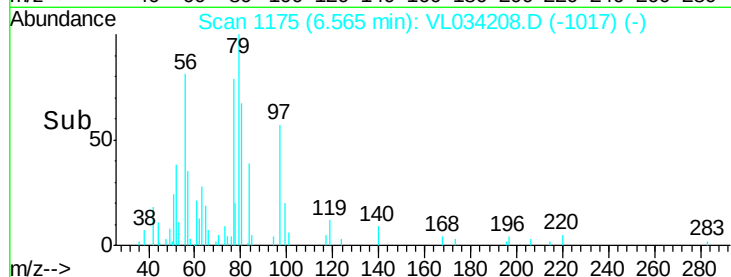
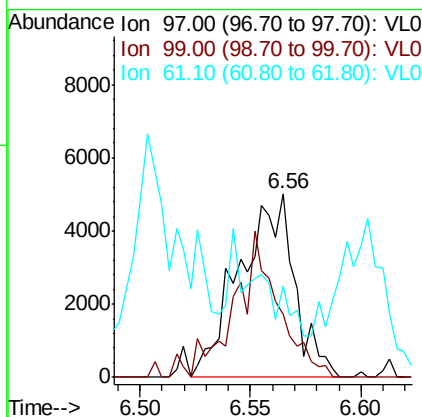
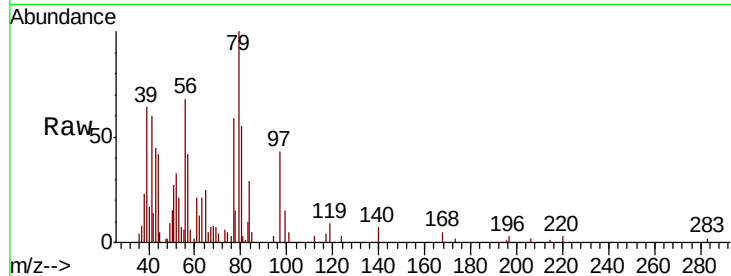
99 65.9 51.4 77.2

61 0.0 48.4 72.6#

Manual Integrations
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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.23 min Scan# 1381

Delta R.T. -0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

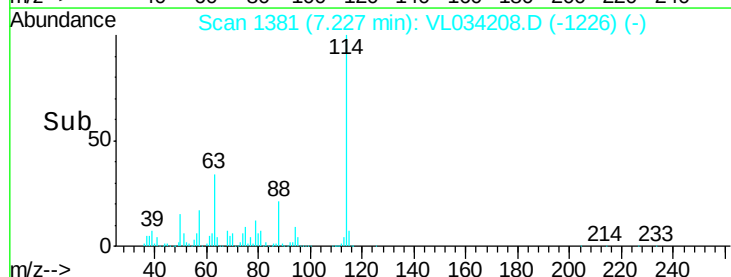
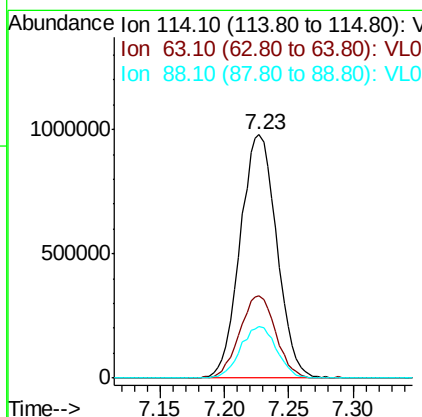
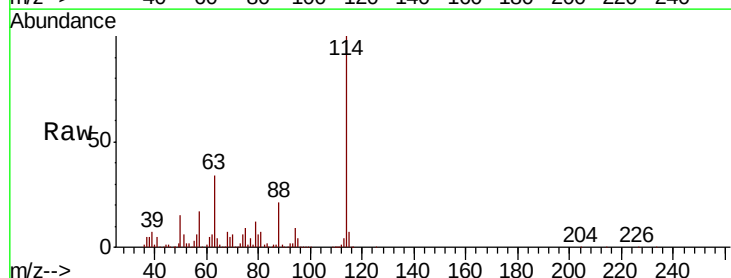
Tgt Ion: 114 Resp: 1936261

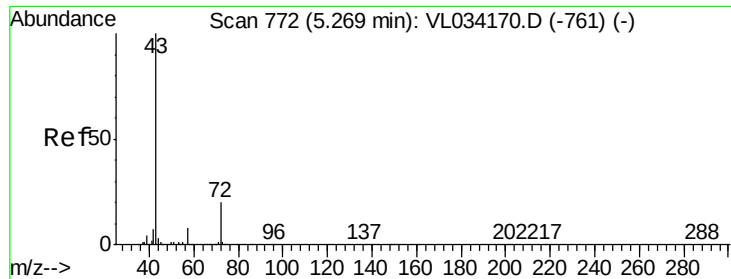
Ion Ratio Lower Upper

114 100

63 33.5 27.8 41.6

88 21.0 17.1 25.7





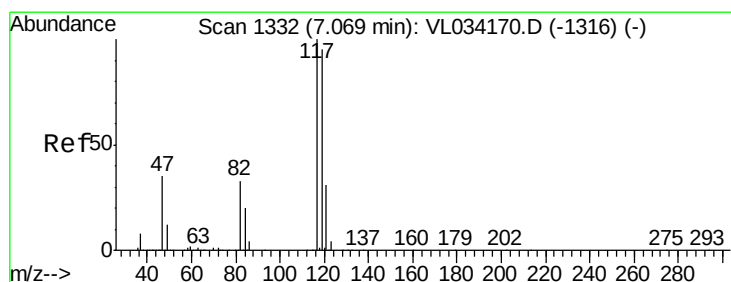
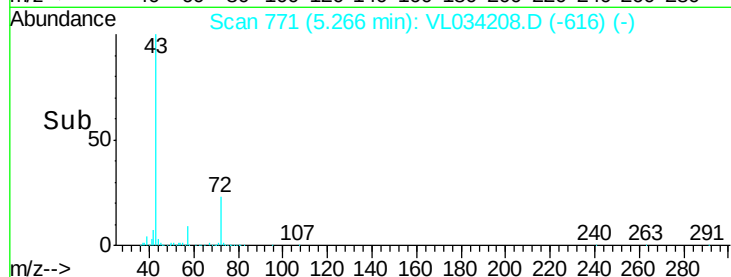
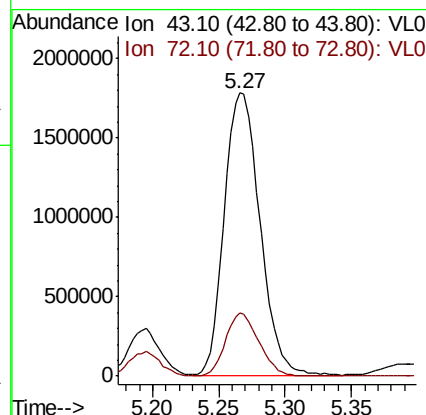
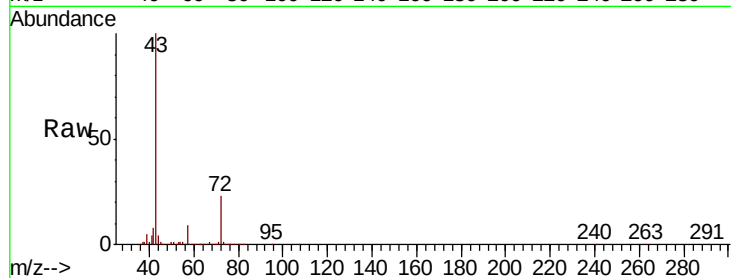
#34
2-Butanone
Concen: 16.806 ppbv
RT: 5.27 min Scan# 771
Delta R.T. -0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Instrument :
MSVOA_L
ClientSampleId :
SV-5

Tot Ion: 43 Resp: 3322601
Ion Ratio Lower Upper
43 100
72 20.8 15.0 22.6

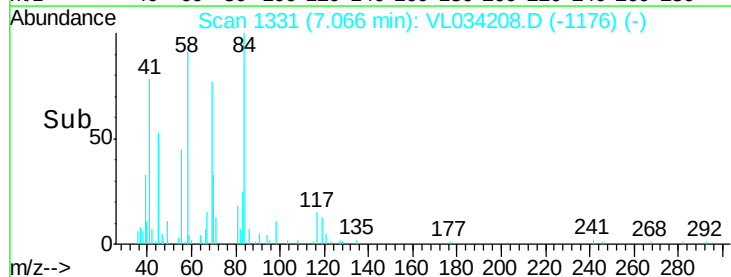
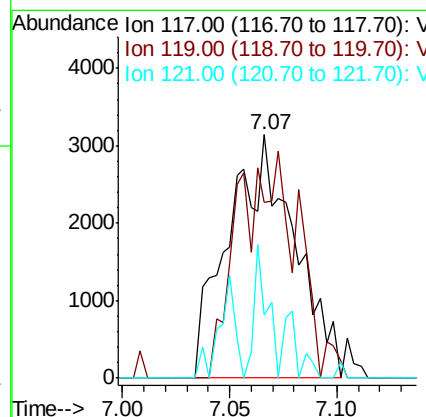
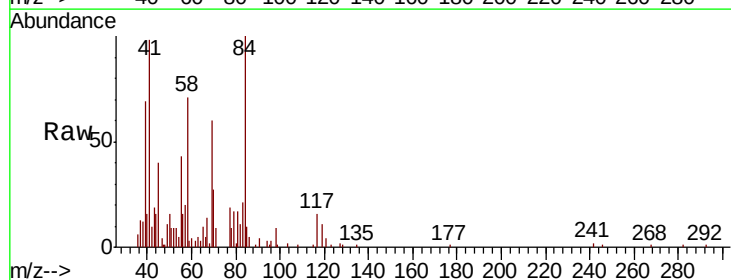
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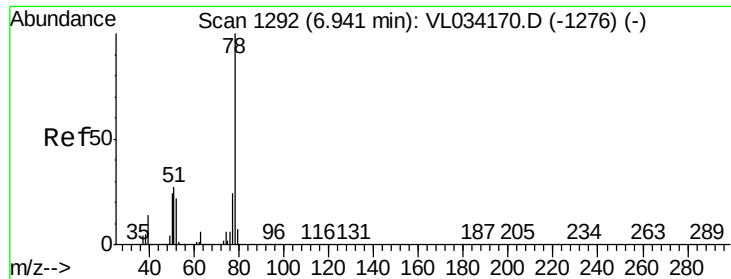
MMDadoda
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#35
Carbon Tetrachloride
Concen: 0.042 ppbv m
RT: 7.07 min Scan# 1331
Delta R.T. -0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion: 117 Resp: 6714
Ion Ratio Lower Upper
117 100
119 72.4 75.8 113.6#
121 25.9 25.0 37.6





#36

Benzene

Concen: 12.334 ppbv

RT: 6.94 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampled :

SV-5

Tot Ion: 78 Resp: 2637630

Ion Ratio Lower Upper

78 100

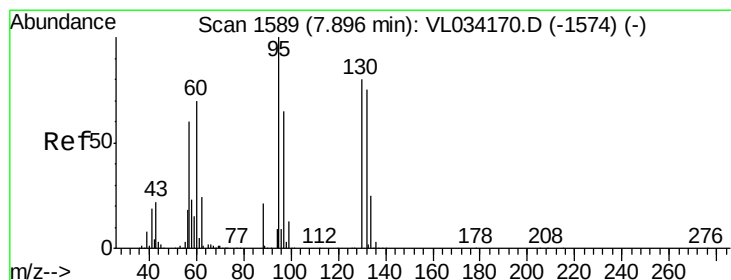
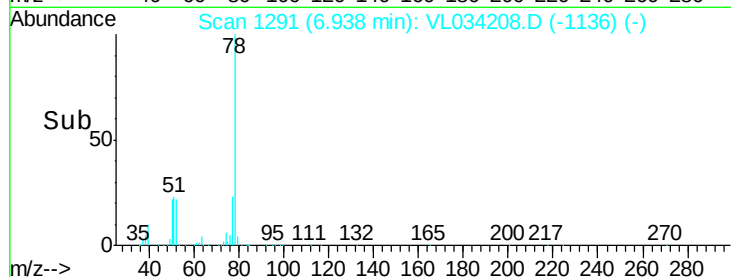
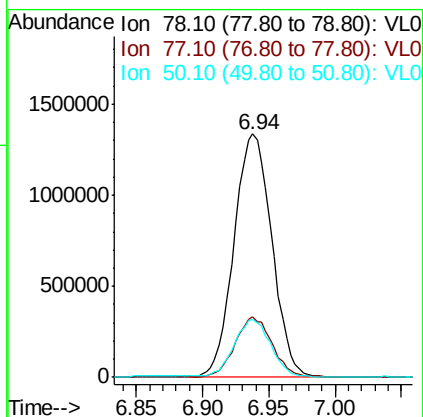
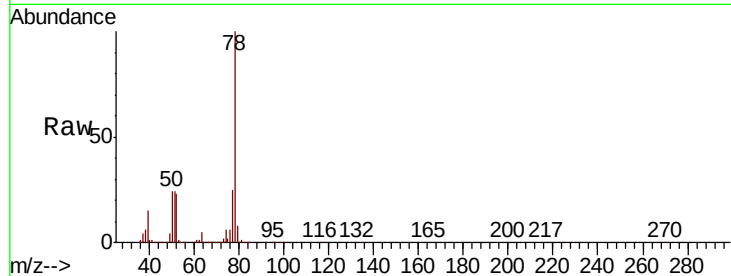
77 24.6 19.0 28.4

50 23.4 18.9 28.3

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#38

Trichloroethene

Concen: 0.216 ppbv m

RT: 7.90 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Tgt Ion: 130 Resp: 16515

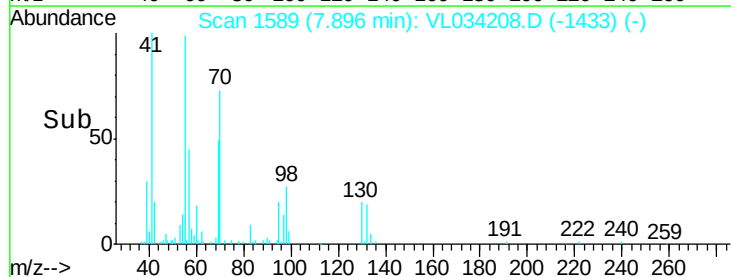
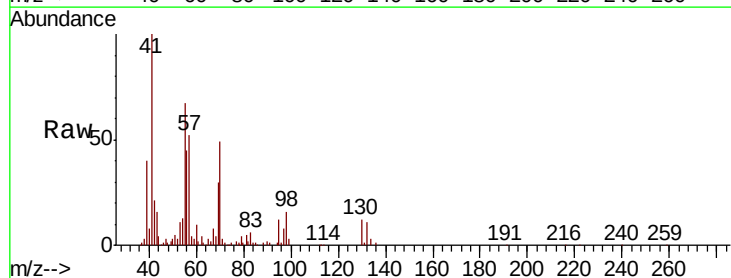
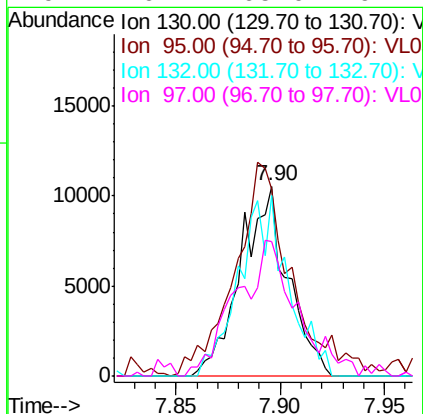
Ion Ratio Lower Upper

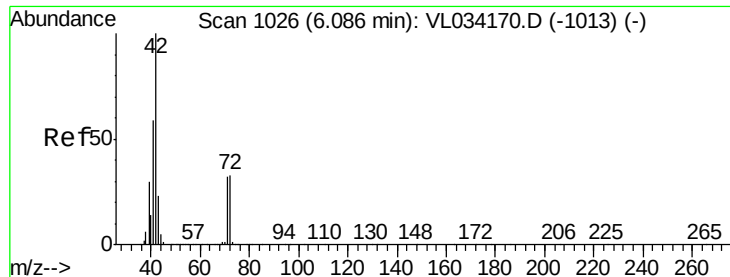
130 100

95 98.4 99.8 149.6#

132 95.5 75.2 112.8

97 70.7 65.0 97.4





#41

Tetrahydrofuran

Concen: 0.326 ppbv m

RT: 6.09 min Scan# 1027

Delta R.T. 0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

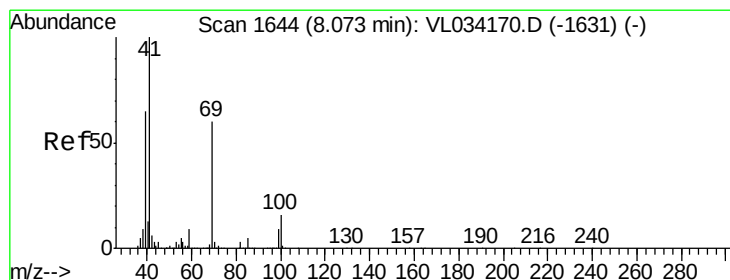
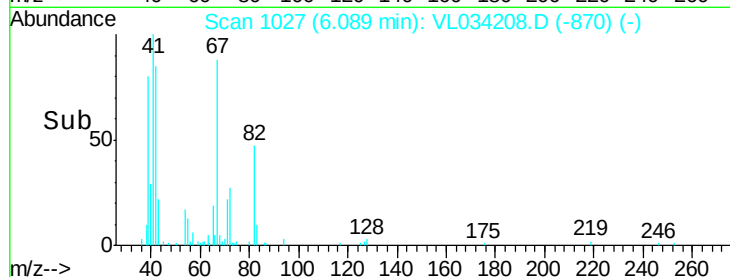
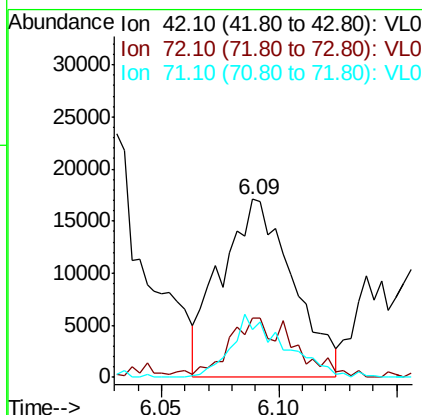
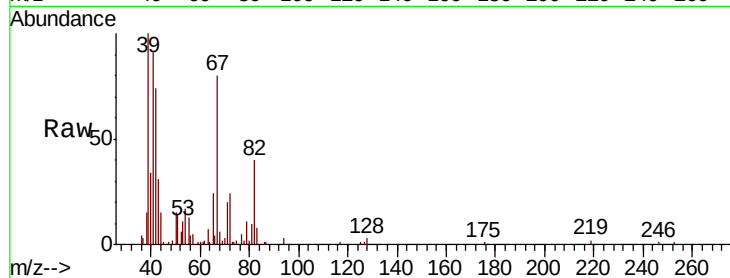
ClientSampled :

SV-5

Tot Ion:	42	Resp:	36343
Ion Ratio	Lower	Upper	
42	100		
72	0.0	26.6	40.0#
71	0.0	25.1	37.7#

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#43

Methyl Methacrylate

Concen: 0.849 ppbv m

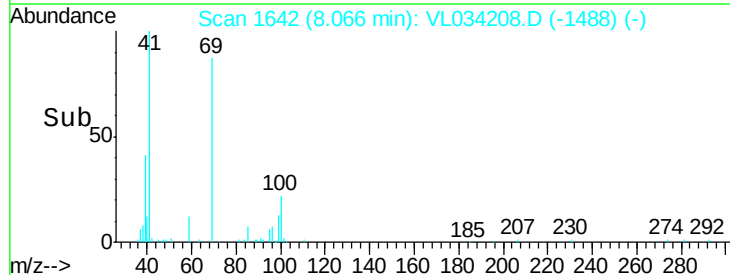
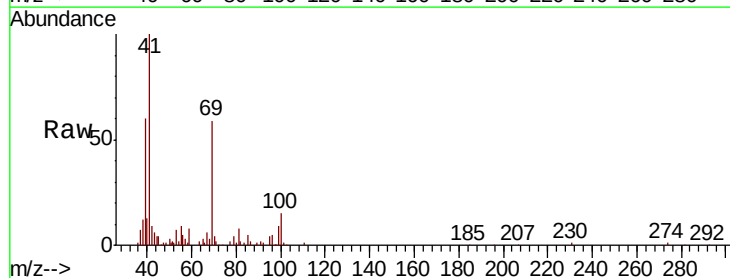
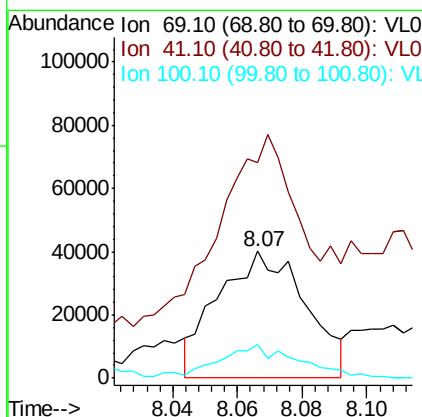
RT: 8.07 min Scan# 1642

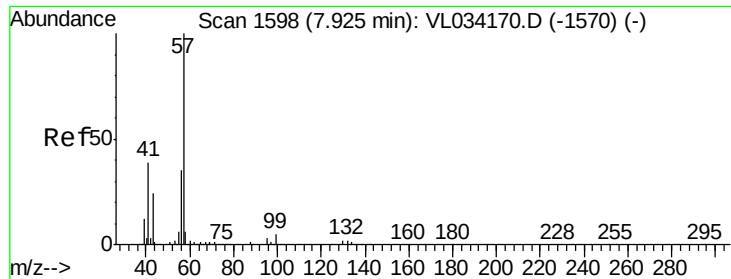
Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Tgt Ion:	69	Resp:	75037
Ion Ratio	Lower	Upper	
69	100		
41	334.5	140.4	210.6#
100	24.7	21.9	32.9





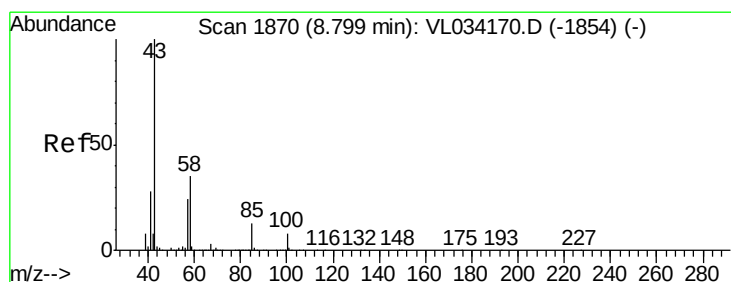
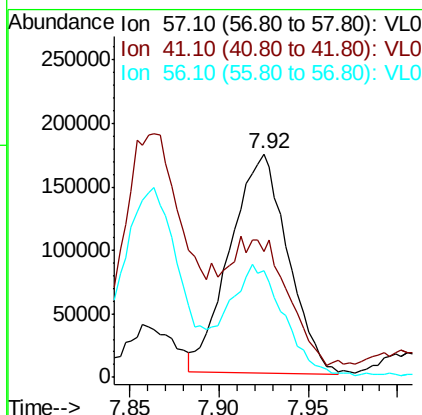
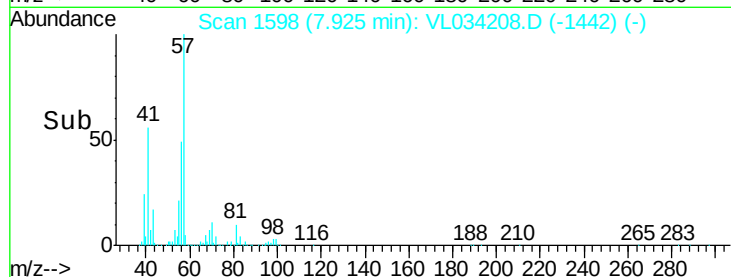
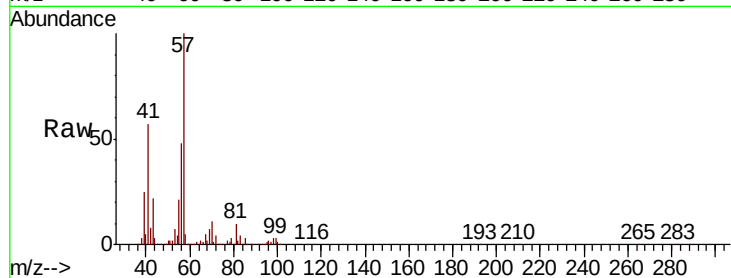
#44
 2,2,4-Trimethylpentane
 Concen: 0.950 ppbv
 RT: 7.92 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

Instrument :
 MSVOA_L
 ClientSampled :
 SV-5

Tot Ion	Ratio	Lower	Upper
57	100		
41	73.0	29.8	44.6#
56	48.6	25.9	38.9#

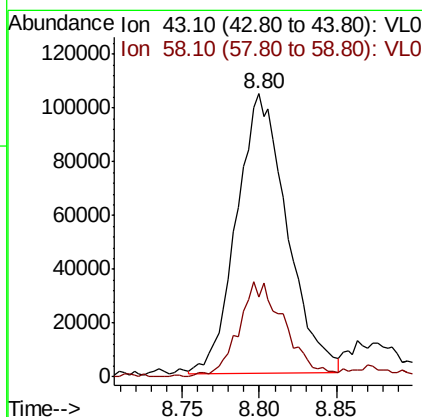
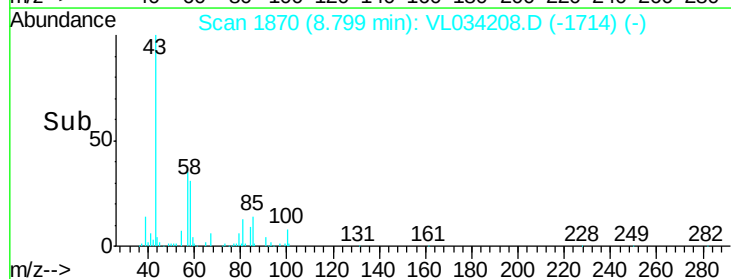
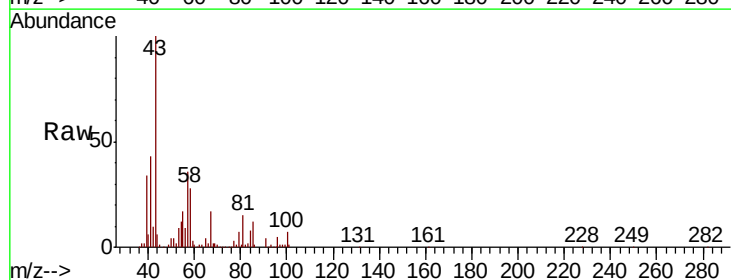
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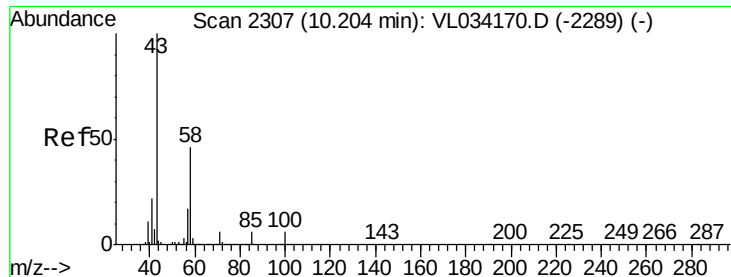
MMDadoda
 10/7/2019 12:29:20 PM



#50
 4-Methyl-2-Pentanone
 Concen: 0.822 ppbv
 RT: 8.80 min Scan# 1870
 Delta R.T. 0.00 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

Tgt Ion	Ratio	Lower	Upper
43	100		
58	31.0	27.6	41.4





#51

2-Hexanone

Concen: 2.186 ppbv

RT: 10.19 min Scan# 2303

Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

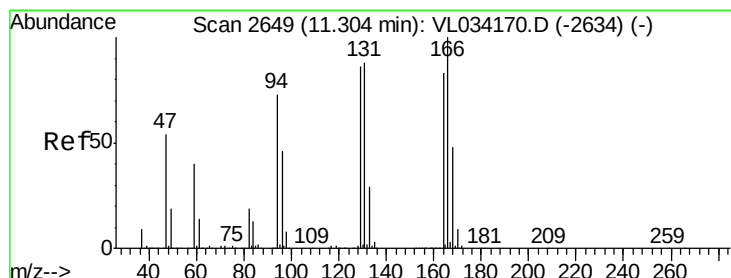
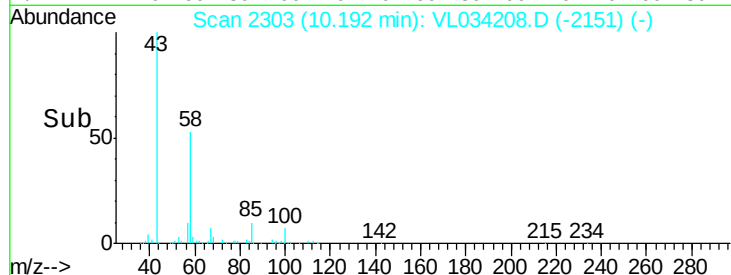
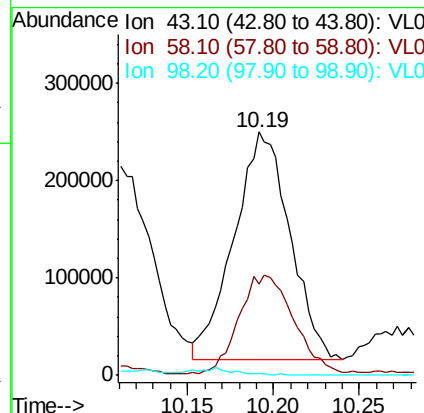
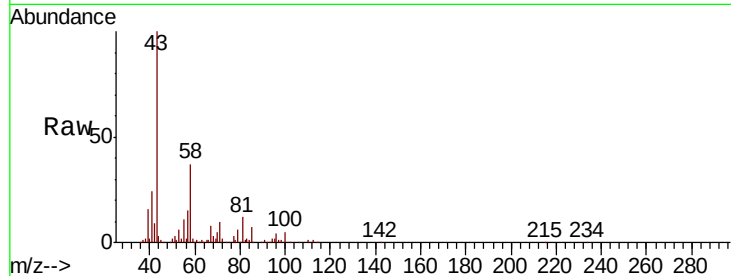
ClientSampleId :

SV-5

Tot Ion:	43	Resp:	527968
Ion Ratio	Lower	Upper	
43	100		
58	42.5	36.2	54.4
98	2.5	0.2	0.2#

Manual Integrations
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10/7/2019 12:29:20 PM



#52

Tetrachloroethene

Concen: 21.246 ppbv

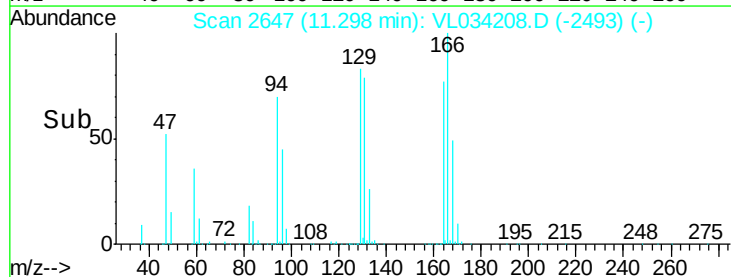
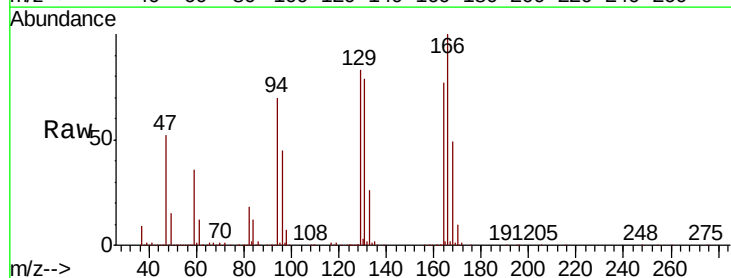
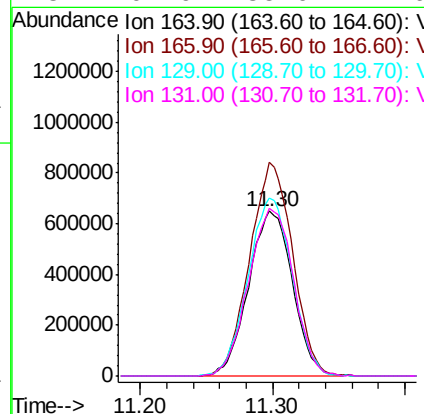
RT: 11.30 min Scan# 2647

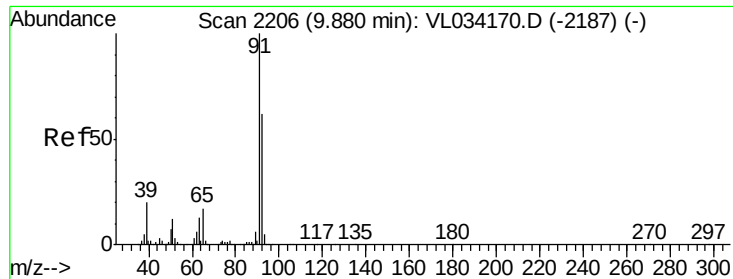
Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Tgt Ion:	164	Resp:	1501111
Ion Ratio	Lower	Upper	
164	100		
166	129.4	96.7	145.1
129	107.8	82.8	124.2
131	101.9	85.0	127.6





#53

Toluene

Concen: 9.860 ppbv

RT: 9.87 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampleId :

SV-5

Tot Ion: 91 Resp: 2304316

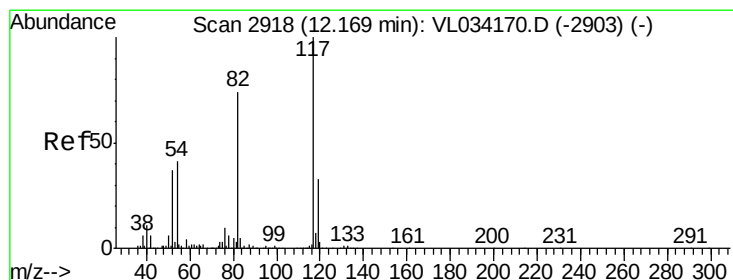
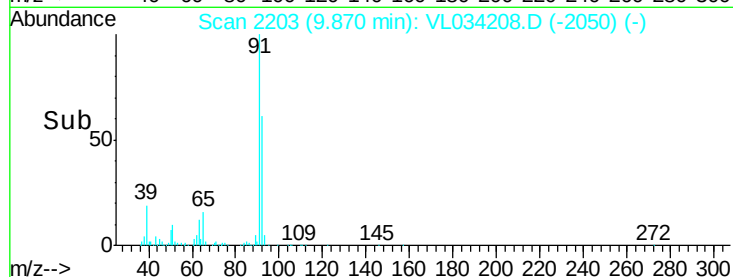
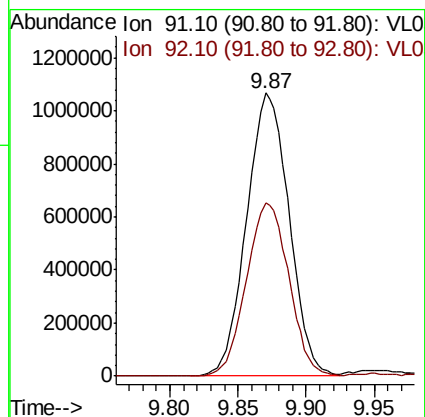
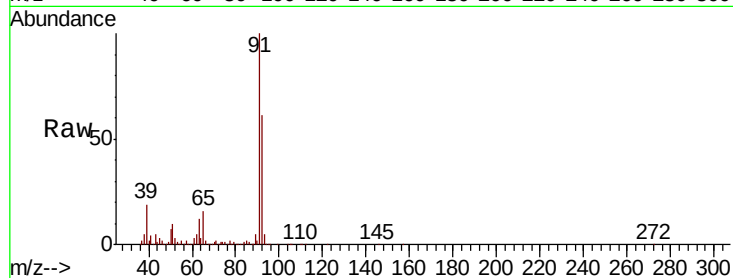
Ion Ratio Lower Upper

91 100

92 61.0 49.0 73.6

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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: VL034208.D

Acq: 2 Oct 2019 13:12

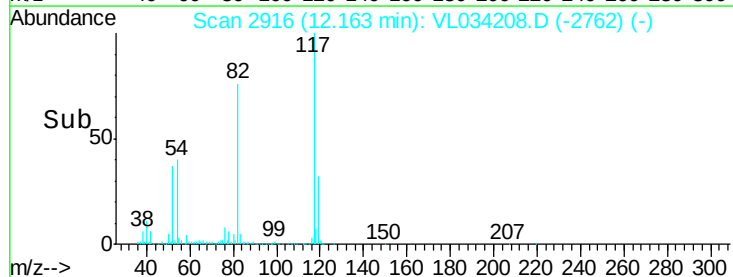
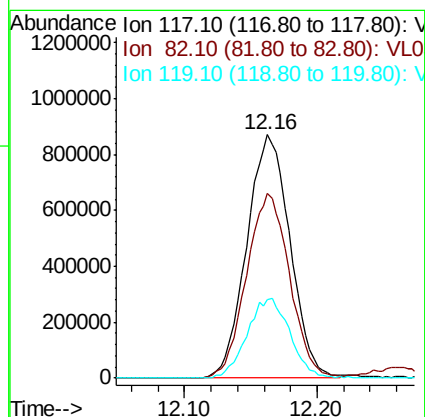
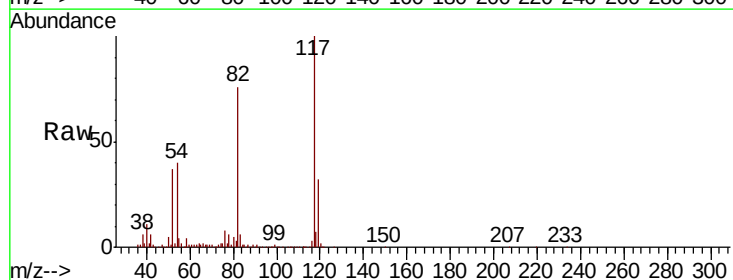
Tgt Ion: 117 Resp: 1975262

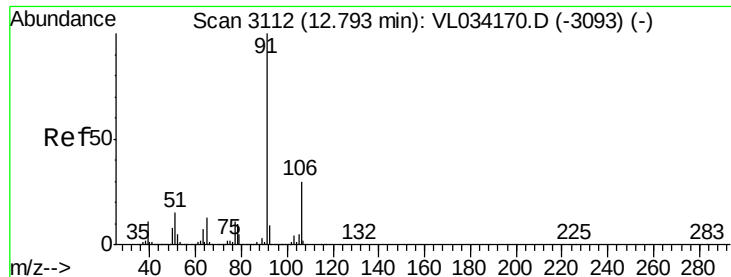
Ion Ratio Lower Upper

117 100

82 75.3 58.2 87.4

119 32.5 23.7 35.5





#58

Ethyl Benzene

Concen: 1.535 ppbv m

RT: 12.79 min Scan# 3112

Delta R.T. 0.00 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampled :

SV-5

Tot Ion: 91 Resp: 489172

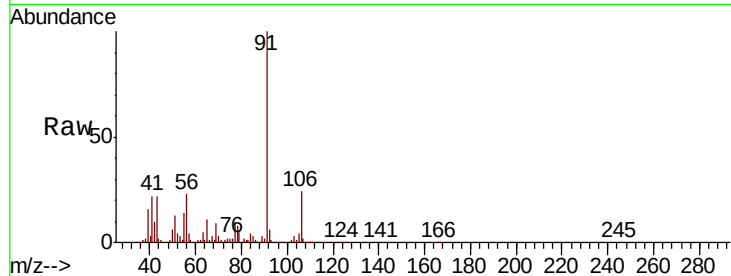
Ion Ratio Lower Upper

91 100

106 24.5 24.2 36.4

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

250000

200000

150000

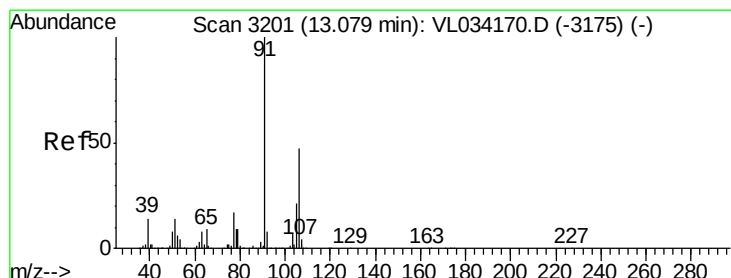
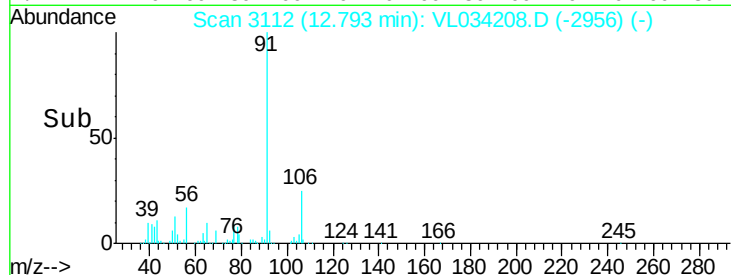
100000

50000

0

12.70 12.75 12.80 12.85

Time-->



#59

m/p-Xylene

Concen: 4.298 ppbv m

RT: 13.04 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VL034208.D

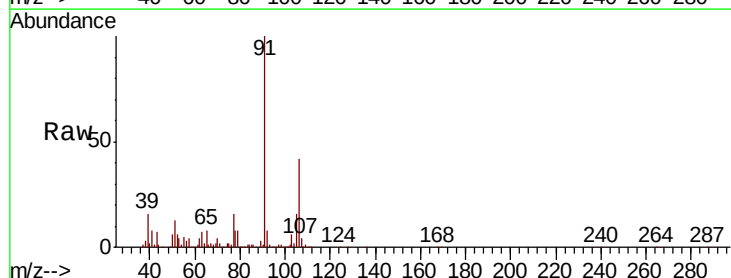
Acq: 2 Oct 2019 13:12

Tgt Ion: 91 Resp: 1134539

Ion Ratio Lower Upper

91 100

106 0.0 35.5 53.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

400000

300000

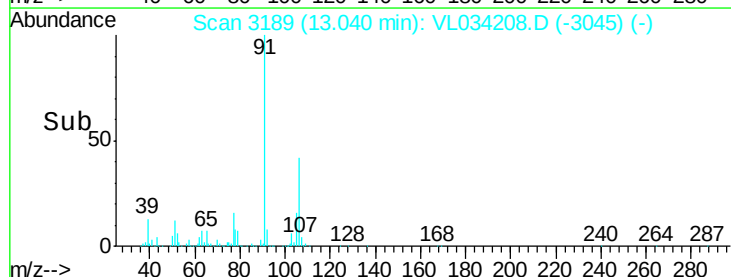
200000

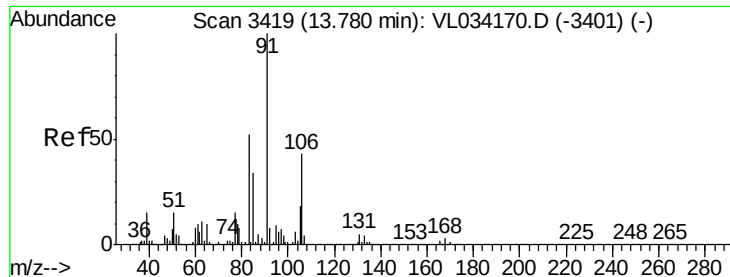
100000

0

13.00 13.10

Time-->





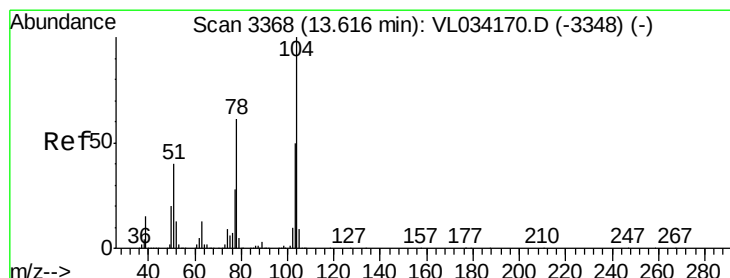
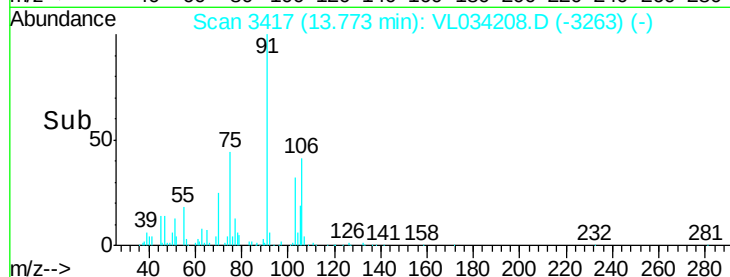
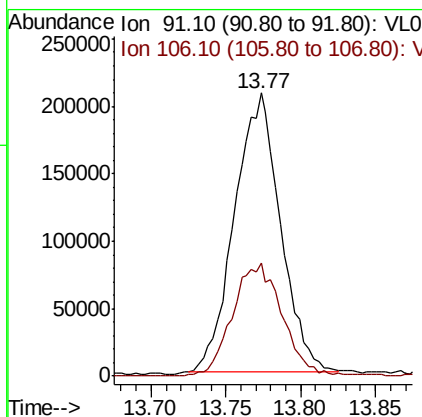
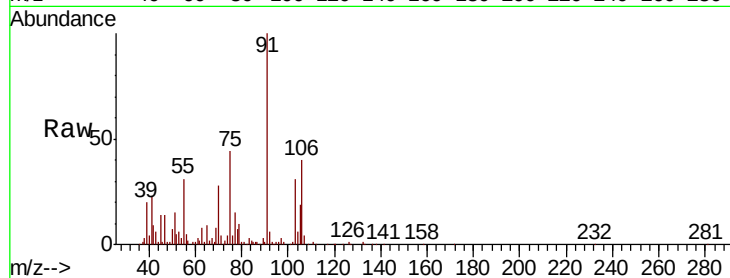
#60
o-Xylene
Concen: 1.667 ppbv
RT: 13.77 min Scan# 3417
Delta R.T. -0.01 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Instrument :
MSVOA_L
ClientSampleId :
SV-5

Tot Ion: 91 Resp: 440013
Ion Ratio Lower Upper
91 100
106 44.8 21.2 63.6

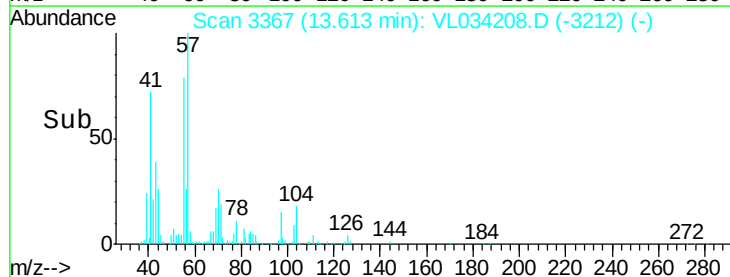
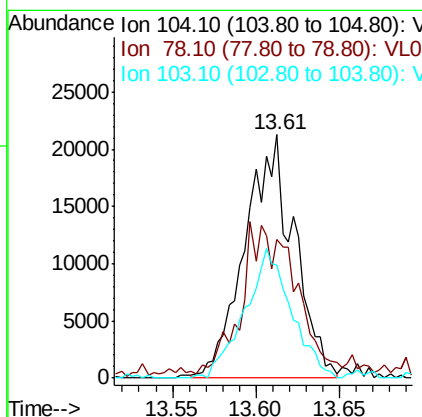
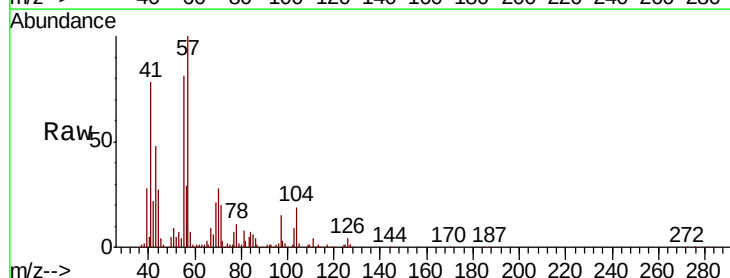
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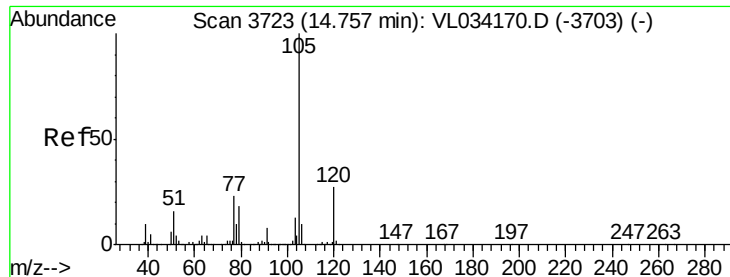
MMDadoda
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#61
Styrene
Concen: 0.230 ppbv m
RT: 13.61 min Scan# 3367
Delta R.T. -0.00 min
Lab File: VL034208.D
Acq: 2 Oct 2019 13:12

Tgt Ion: 104 Resp: 43403
Ion Ratio Lower Upper
104 100
78 0.0 49.7 74.5#
103 50.7 38.4 57.6





#62

Isopropylbenzene

Concen: 0.147 ppbv m

RT: 14.74 min Scan# 3719

Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

ClientSampled :

SV-5

Tot Ion:105 Resp: 50184

Ion Ratio Lower Upper

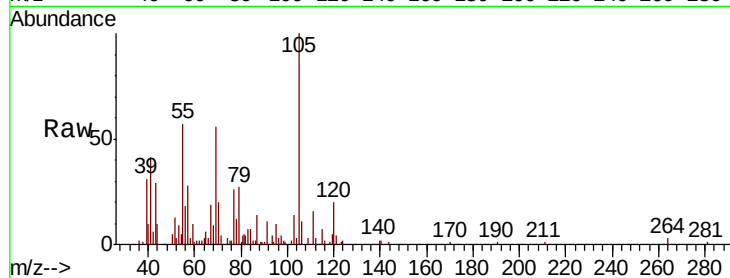
105 100

120 25.3 20.7 31.1

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.74

25000

20000

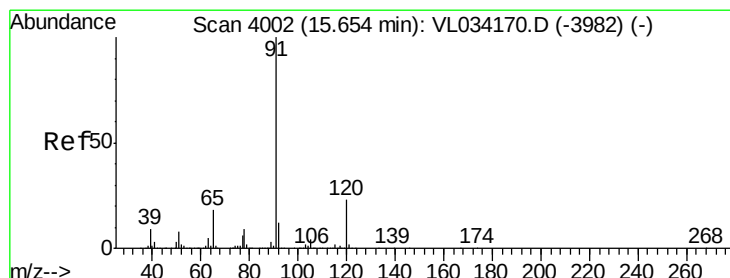
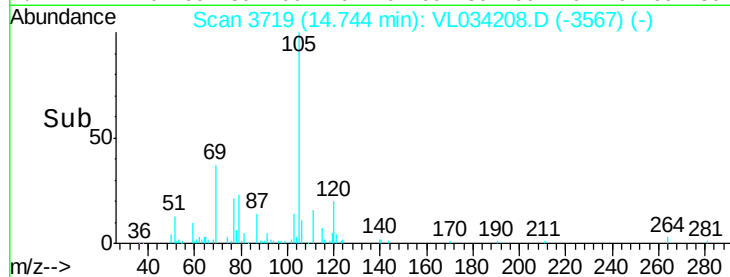
15000

10000

5000

0

Time-->



#64

n-propylbenzene

Concen: 0.427 ppbv m

RT: 15.64 min Scan# 3998

Delta R.T. -0.01 min

Lab File: VL034208.D

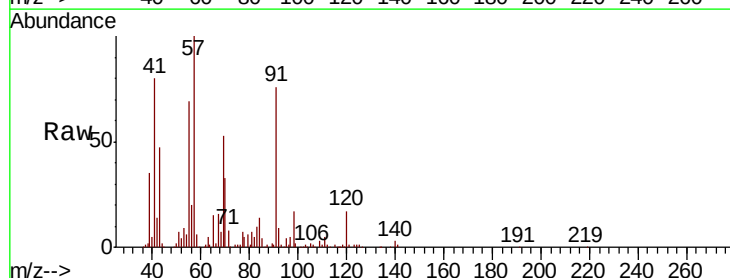
Acq: 2 Oct 2019 13:12

Tgt Ion:120 Resp: 36936

Ion Ratio Lower Upper

120 100

91 551.9 378.2 567.2



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

15.64

80000

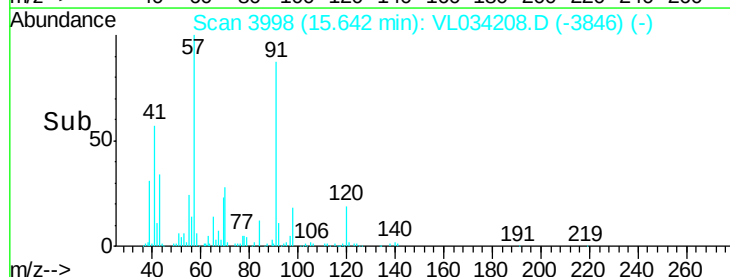
60000

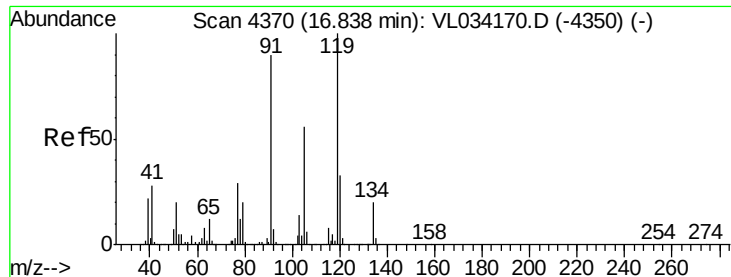
40000

20000

0

Time-->





#65

tert-Butylbenzene

Concen: 0.196 ppbv m

RT: 16.85 min Scan# 4374

Delta R.T. 0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

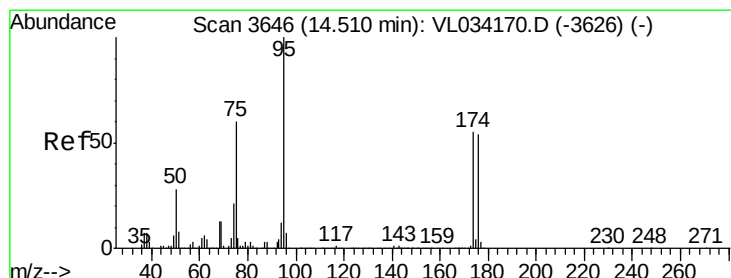
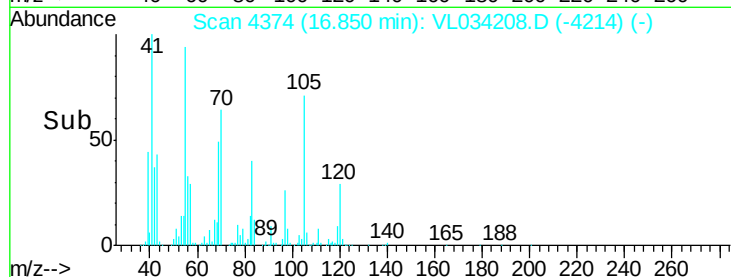
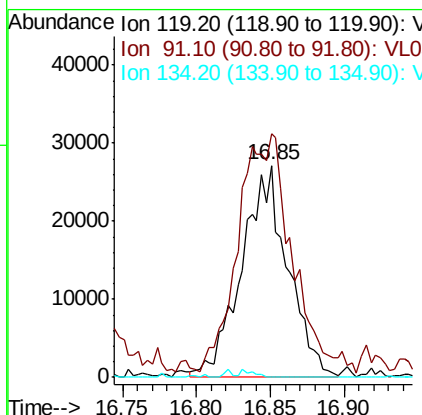
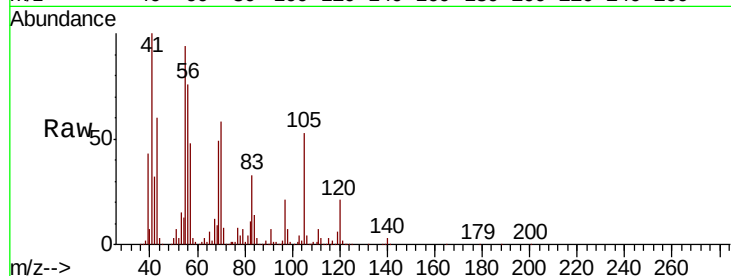
ClientSampled :

SV-5

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	74.9	112.3#
134	1.7	15.8	23.6#

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.044 ppbv

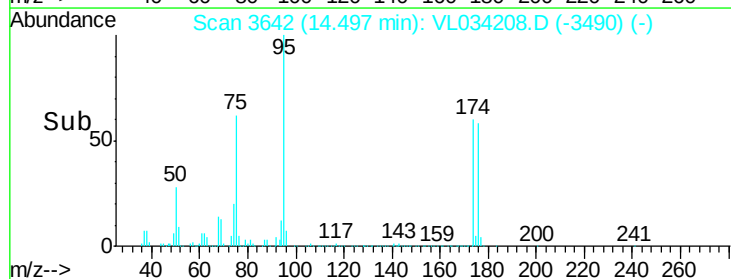
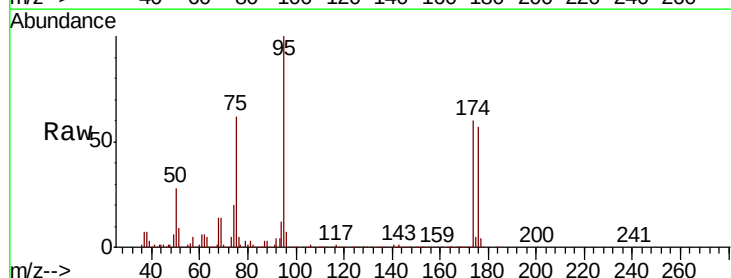
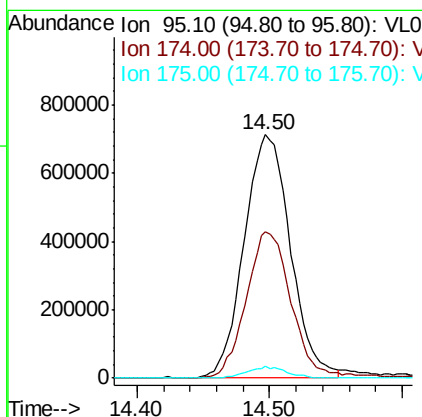
RT: 14.50 min Scan# 3642

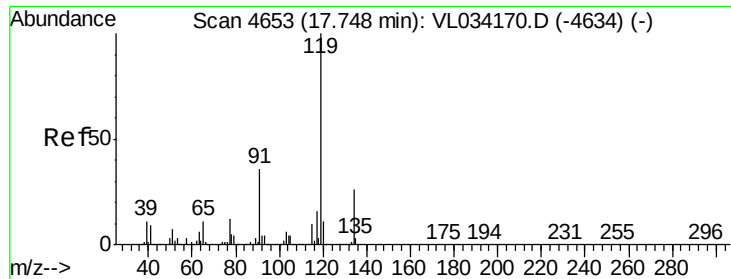
Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Tgt Ion	Ratio	Lower	Upper
95	100		
174	59.9	45.1	67.7
175	4.1	3.3	4.9





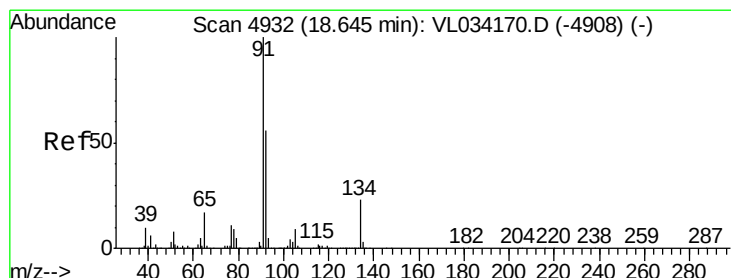
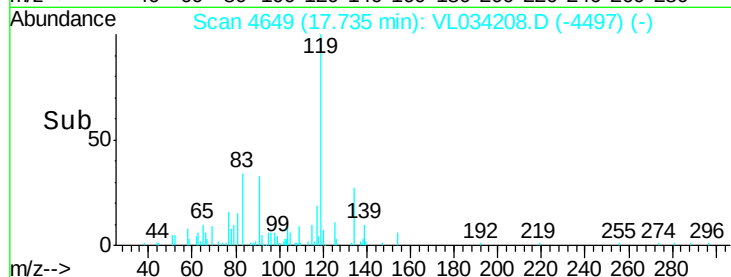
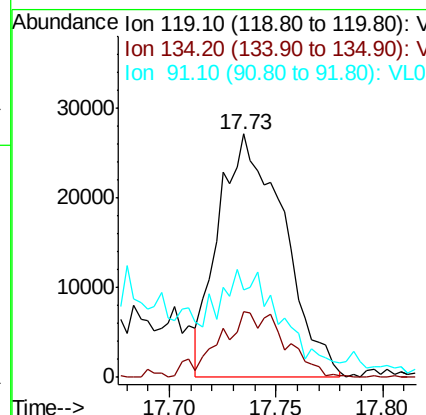
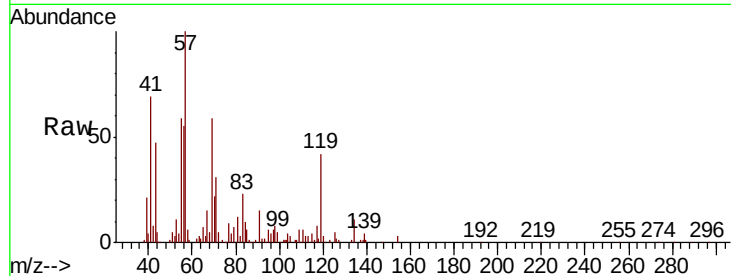
#69
 p-Isopropyltoluene
 Concen: 0.169 ppbv m
 RT: 17.73 min Scan# 4649
 Delta R.T. -0.01 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-5

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.0	20.6	30.8
91	44.1	27.6	41.4

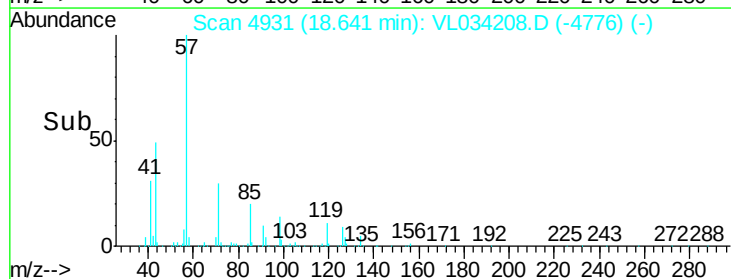
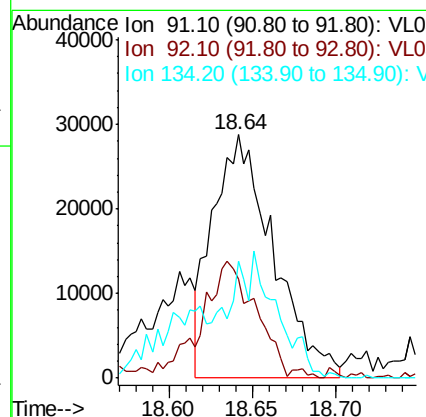
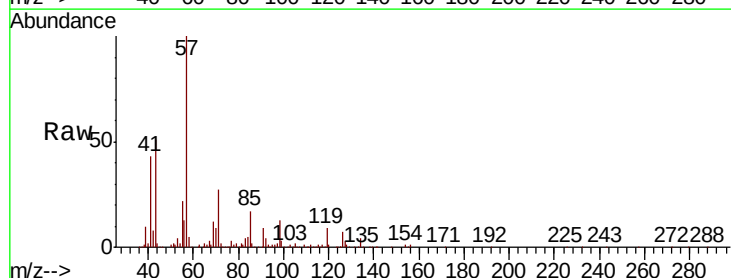
Manual Integrations
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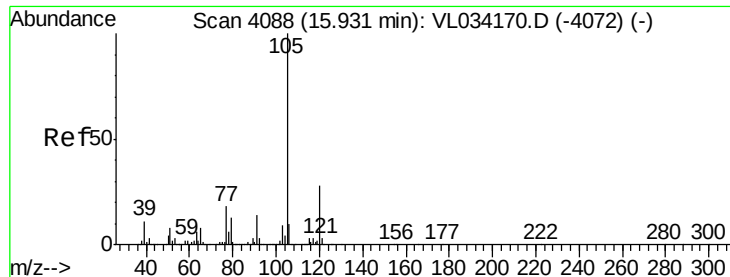
MMDadoda
 10/7/2019 12:29:20 PM



#70
 n-Butylbenzene
 Concen: 0.181 ppbv m
 RT: 18.64 min Scan# 4931
 Delta R.T. -0.00 min
 Lab File: VL034208.D
 Acq: 2 Oct 2019 13:12

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





#72

4-Ethyltoluene

Concen: 0.626 ppbv

RT: 15.92 min Scan# 4084

Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

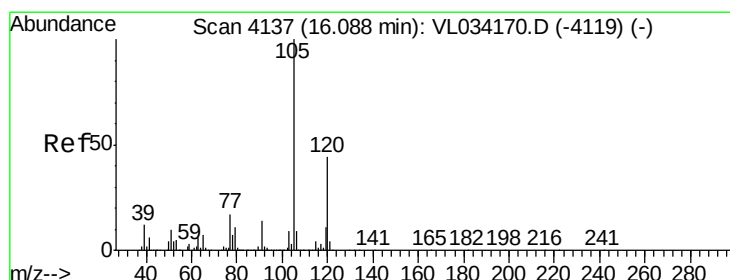
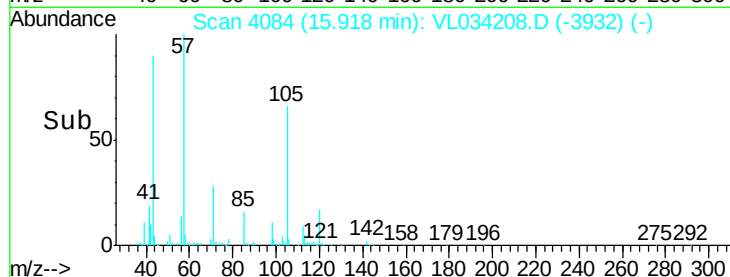
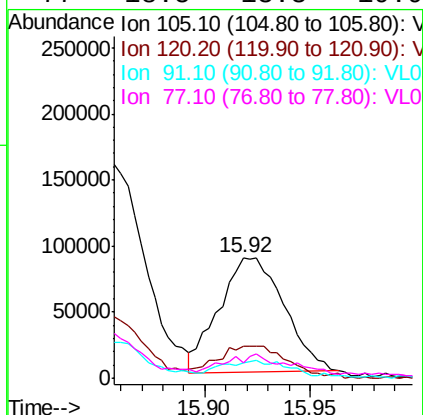
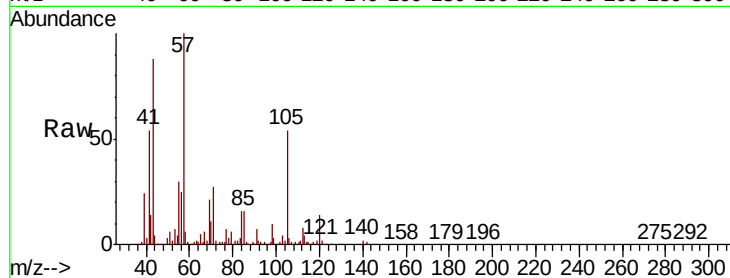
ClientSampled :

SV-5

Tot Ion:	105	Resp:	186617
Ion Ratio	Lower	Upper	
105	100		
120	30.7	23.3	34.9
91	14.4	11.4	17.2
77	18.5	13.3	19.9

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#73

1,3,5-Trimethylbenzene

Concen: 0.550 ppbv m

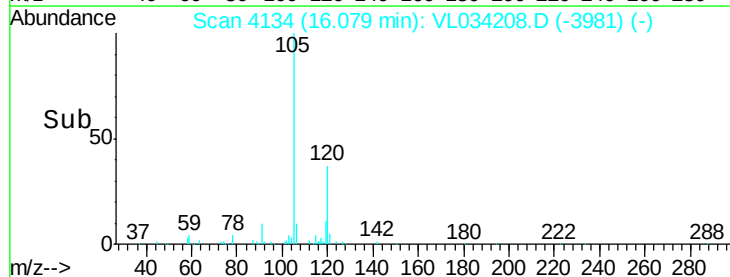
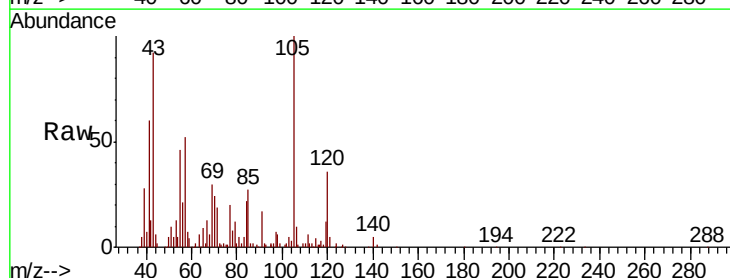
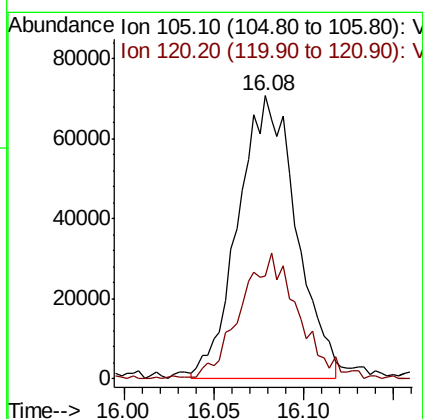
RT: 16.08 min Scan# 4134

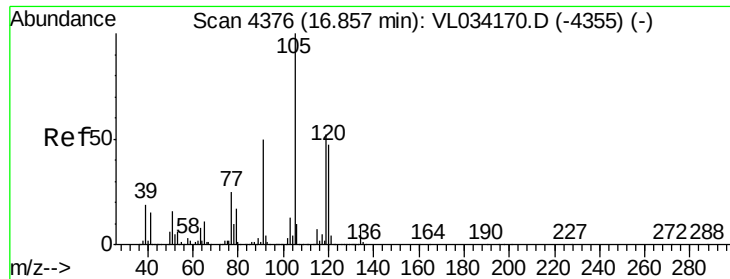
Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Tgt Ion:	105	Resp:	158402
Ion Ratio	Lower	Upper	
105	100		
120	36.2	35.6	53.4





#74

1,2,4-Trimethylbenzene

Concen: 1.797 ppbv

RT: 16.84 min Scan# 4372

Delta R.T. -0.01 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Instrument :

MSVOA_L

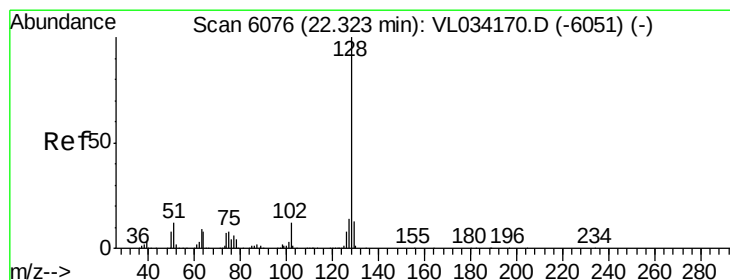
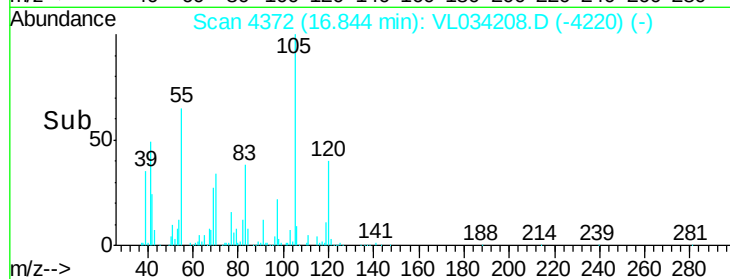
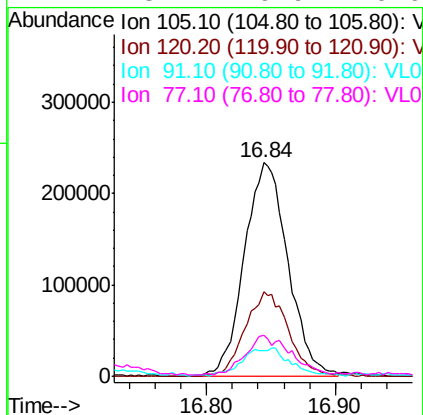
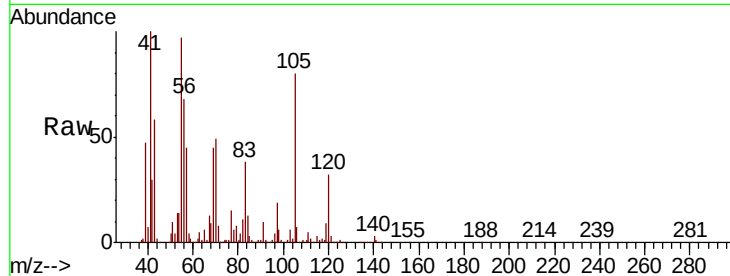
ClientSampled :

SV-5

Tot Ion:	105	Resp:	549730
Ion Ratio	Lower	Upper	
105	100		
120	39.8	37.5	56.3
91	12.0	41.1	61.7#
77	18.2	19.9	29.9#

Manual Integrations
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#79

Naphthalene

Concen: 0.206 ppbv m

RT: 22.30 min Scan# 6070

Delta R.T. -0.02 min

Lab File: VL034208.D

Acq: 2 Oct 2019 13:12

Tgt Ion:	128	Resp:	55553
Ion Ratio	Lower	Upper	
128	100		
127	10.8	11.1	16.7#
129	10.4	10.2	15.4

