

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100719\
 Data File : VL034239.D
 Acq On : 8 Oct 2019 2:17
 Operator : SY/AP
 Sample : K5222-02
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 V-2

Manual Integrations
 APPROVED

MMDadoda
 10/11/2019 5:05:56 PM

Quant Time: Oct 09 04:20:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 18 2019
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

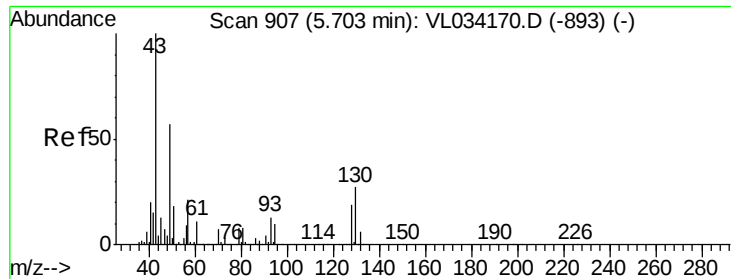
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.69	49	1098533	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1854208	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.16	117	1885269	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1700780	10.38	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.03	85	102872	0.634	ppbv	98
3) Chlorodifluoromethane	2.97	51	54469m	0.423	ppbv	
4) Chloromethane	3.12	50	85889	1.135	ppbv #	85
5) Vinyl Chloride	3.24	62	22574	0.326	ppbv #	80
9) Propene	2.99	41	748421	11.777	ppbv	95
10) Heptane	8.17	43	803203	4.850	ppbv	98
11) Trichlorofluoromethane	3.95	101	39213	0.265	ppbv	88
13) Ethanol	3.60	45	1308378	85.025	ppbv	97
15) Acetone	3.84	43	1393813	9.467	ppbv #	73
19) Isopropyl Alcohol	3.97	45	154916	1.711	ppbv #	1
20) Methylene Chloride	4.35	84	162030	3.817	ppbv #	95
26) Hexane	5.71	57	1036098	8.946	ppbv #	47
30) Cyclohexane	7.17	84	346860	4.148	ppbv	96
31) cis-1,2-Dichloroethene	5.58	61	68535	0.580	ppbv #	76
34) 2-Butanone	5.27	43	233451	1.233	ppbv	96
35) Carbon Tetrachloride	7.06	117	10466	0.068	ppbv #	79
36) Benzene	6.93	78	1164894	5.688	ppbv	99
38) Trichloroethene	7.88	130	18088m	0.247	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	1155049	2.930	ppbv #	82
52) Tetrachloroethene	11.29	164	47281	0.699	ppbv	97
53) Toluene	9.87	91	4392233	19.625	ppbv	97
58) Ethyl Benzene	12.78	91	739500	2.431	ppbv	93
59) m/p-Xylene	13.03	91	2056806	8.163	ppbv	97
60) o-Xylene	13.76	91	791492	3.142	ppbv	95
61) Styrene	13.60	104	87263	0.484	ppbv	97
62) Isopropylbenzene	14.74	105	47907m	0.147	ppbv	
65) tert-Butylbenzene	16.84	119	94113	0.330	ppbv #	58
72) 4-Ethyltoluene	15.91	105	277574	0.975	ppbv	98
73) 1,3,5-Trimethylbenzene	16.07	105	250059	0.909	ppbv	98
74) 1,2,4-Trimethylbenzene	16.84	105	901950	3.089	ppbv #	68
79) Naphthalene	22.31	128	118223m	0.460	ppbv	
80) Naphthalene,2-methyl-	25.05	142	17351m	0.145	ppbv	

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.69 min Scan# 904

Delta R.T. -0.01 min

Lab File: VL034239.D

Acq: 8 Oct 2019 2:17

Instrument :

MSVOA_L

ClientSampled :

V-2

Tgt Ion: 49 Resp: 1098533

Ion Ratio Lower Upper

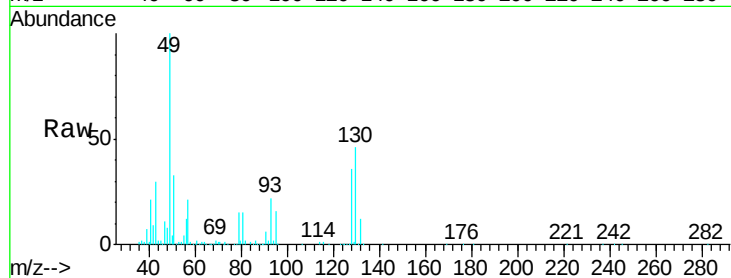
49 100

128 34.6 17.6 52.9

130 44.6 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): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.69

800000

600000

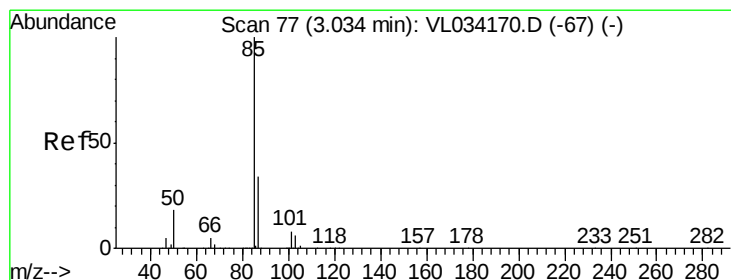
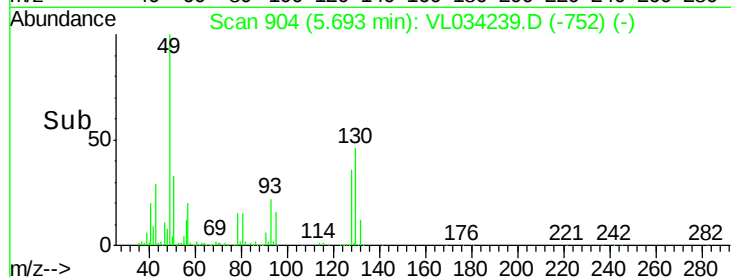
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.634 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.01 min

Lab File: VL034239.D

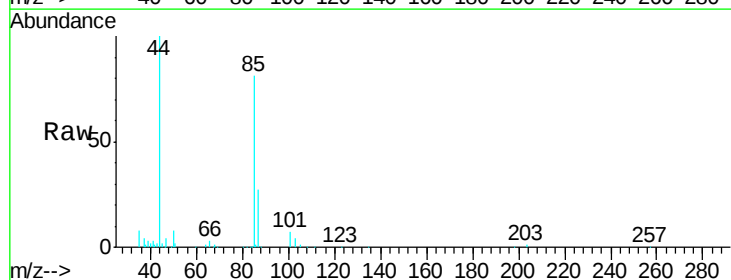
Acq: 8 Oct 2019 2:17

Tgt Ion: 85 Resp: 102872

Ion Ratio Lower Upper

85 100

87 32.8 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.03

100000

80000

60000

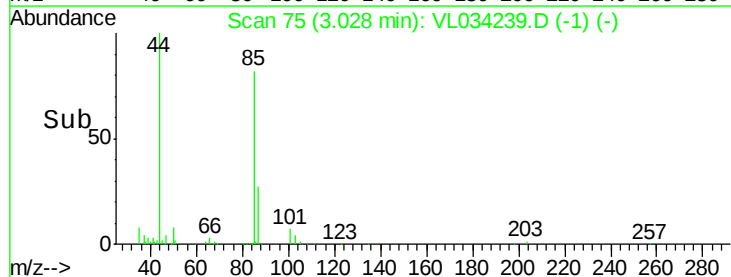
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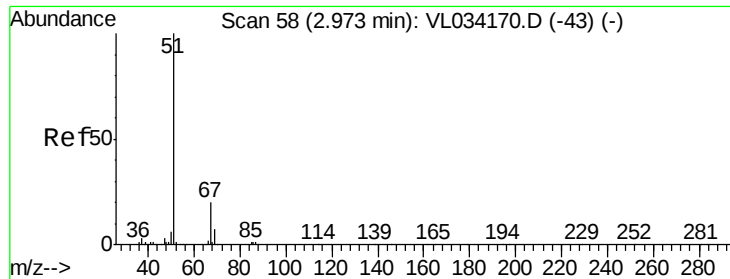
20000

0

3.00 3.05

Time-->





#3

Chlorodifluoromethane

Concen: 0.423 ppbv m

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL034239.D

Acq: 8 Oct 2019 2:17

Instrument :

MSVOA_L

ClientSampled :

V-2

Tgt Ion: 51 Resp: 54469

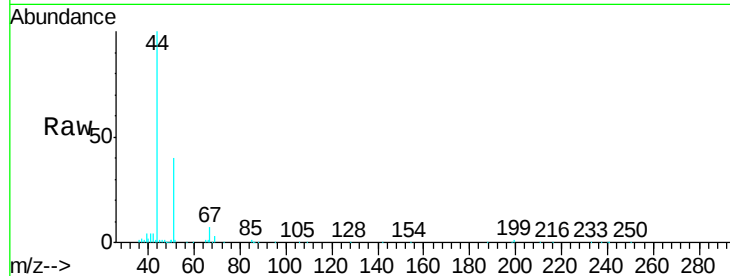
Ion Ratio Lower Upper

51 100

67 23.1 14.8 22.2#

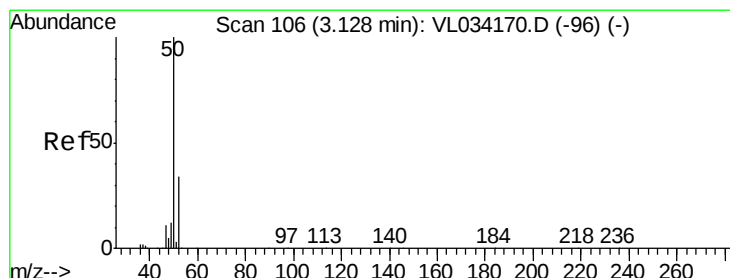
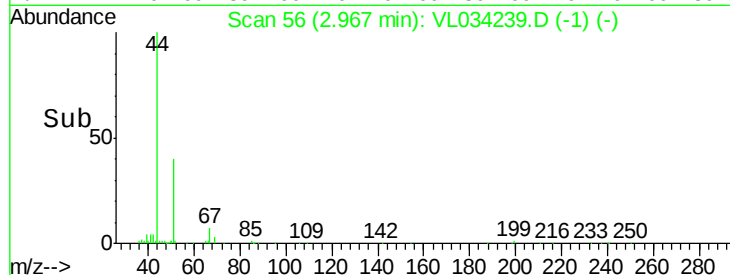
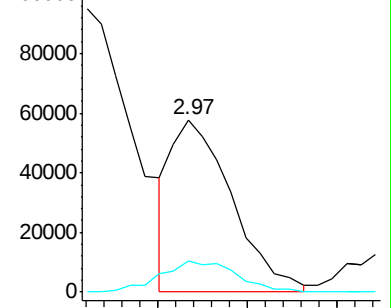
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.135 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.00 min

Lab File: VL034239.D

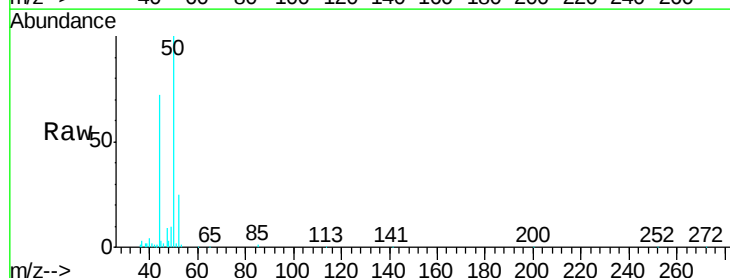
Acq: 8 Oct 2019 2:17

Tgt Ion: 50 Resp: 85889

Ion Ratio Lower Upper

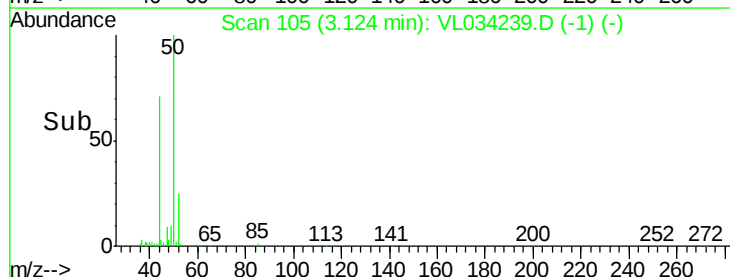
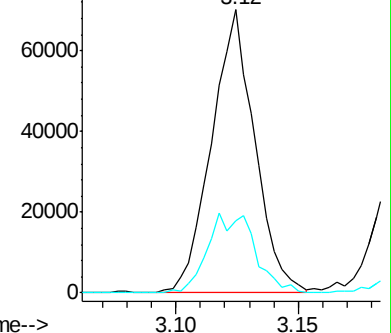
50 100

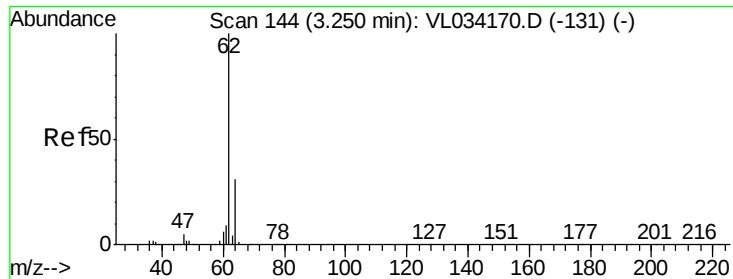
52 25.4 27.1 40.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.326 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.01 min

Lab File: VL034239.D

Acq: 8 Oct 2019 2:17

Instrument :

MSVOA_L

ClientSampled :

V-2

Tgt Ion: 62 Resp: 22574

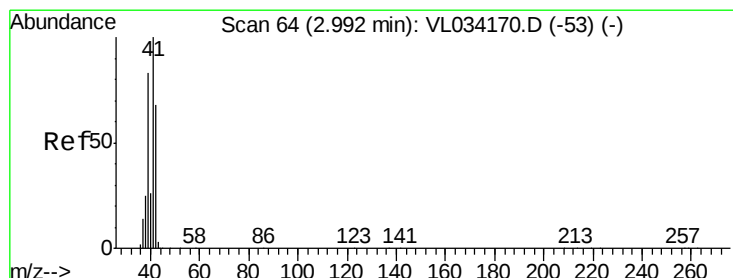
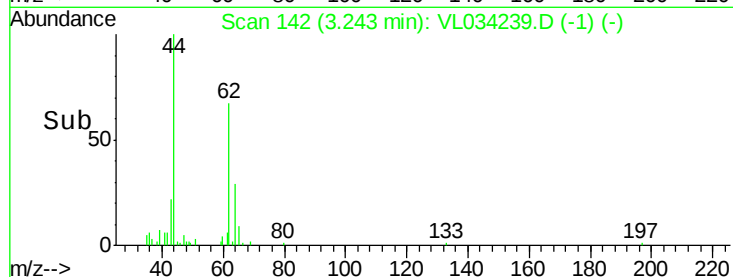
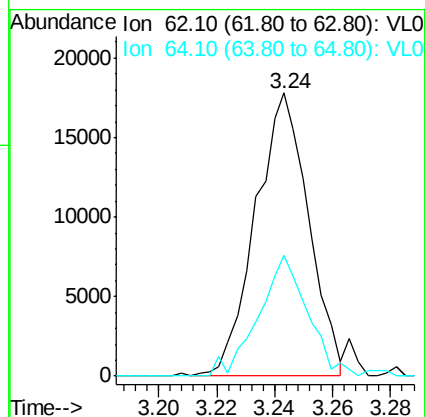
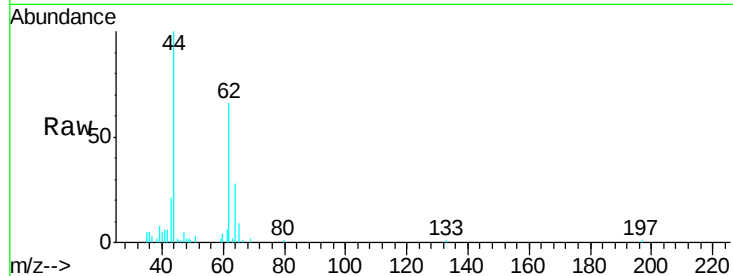
Ion Ratio Lower Upper

62 100

64 42.5 25.2 37.8#

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#9

Propene

Concen: 11.777 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL034239.D

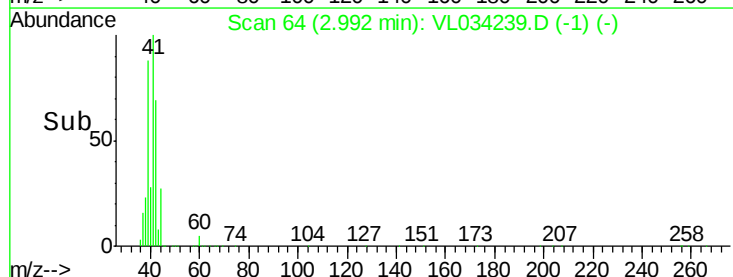
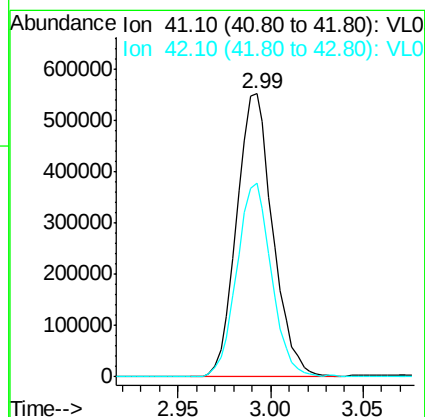
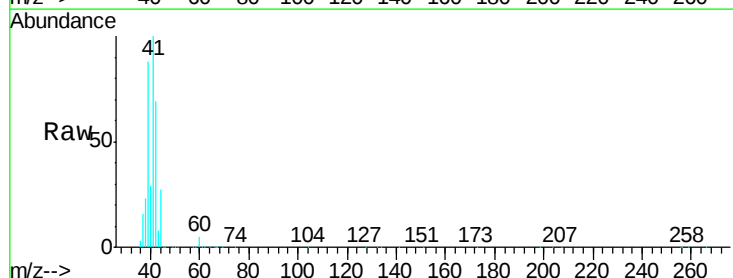
Acq: 8 Oct 2019 2:17

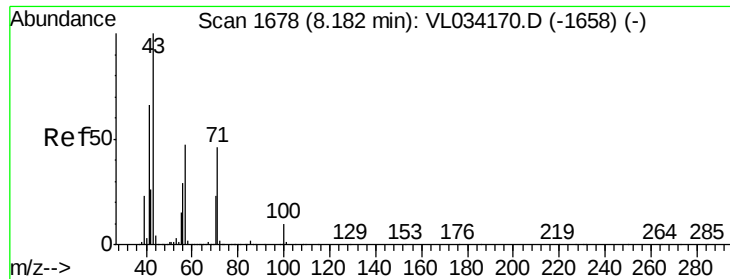
Tgt Ion: 41 Resp: 748421

Ion Ratio Lower Upper

41 100

42 65.9 55.8 83.6





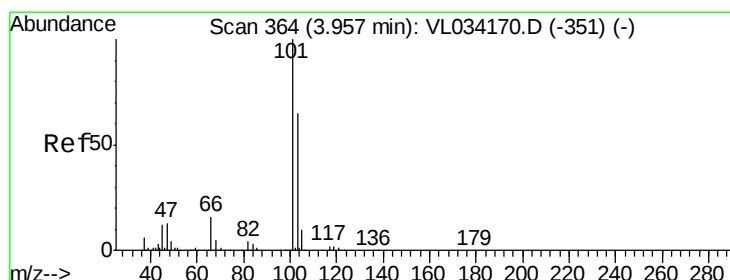
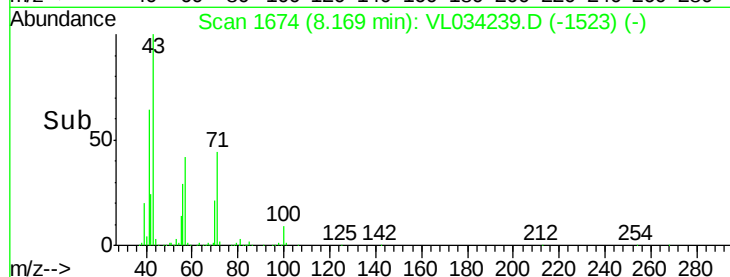
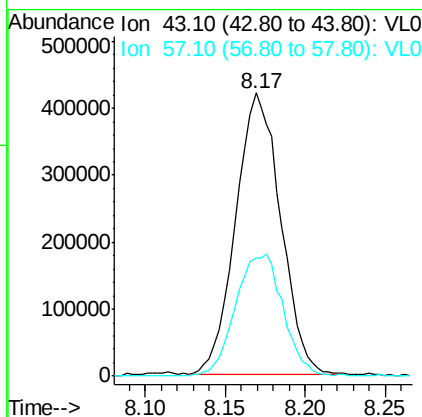
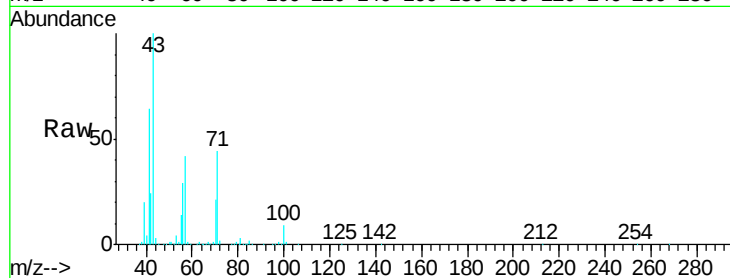
#10
 Heptane
 Concen: 4.850 ppbv
 RT: 8.17 min Scan# 1674
 Delta R.T. -0.01 min
 Lab File: VL034239.D
 Acq: 8 Oct 2019 2:17

Instrument :
 MSVOA_L
 ClientSampled :
 V-2

Tgt Ion: 43 Resp: 803203
 Ion Ratio Lower Upper
 43 100
 57 45.7 37.5 56.3

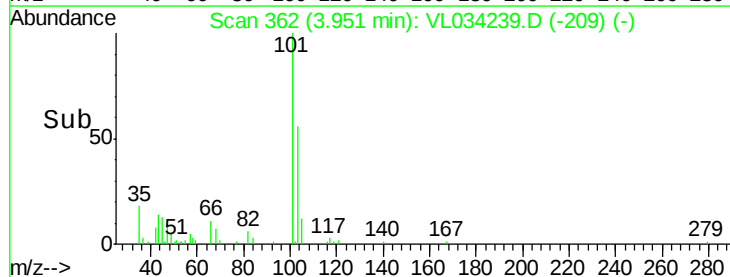
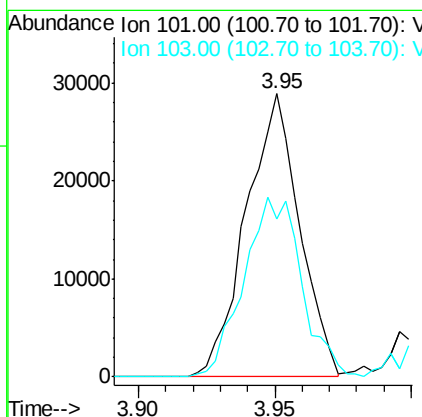
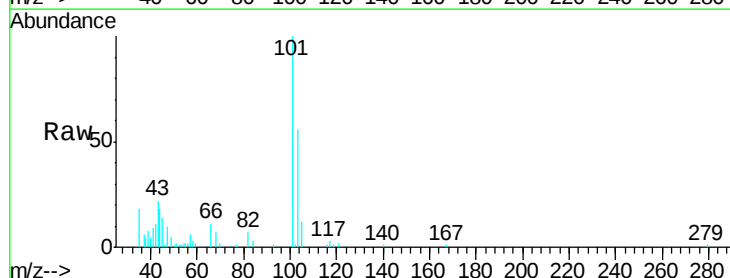
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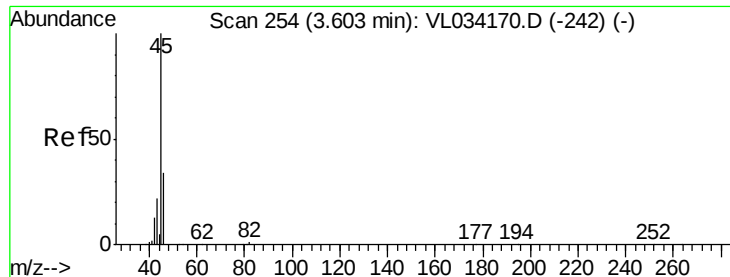
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#11
 Trichlorofluoromethane
 Concen: 0.265 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL034239.D
 Acq: 8 Oct 2019 2:17

Tgt Ion: 101 Resp: 39213
 Ion Ratio Lower Upper
 101 100
 103 56.0 52.1 78.1





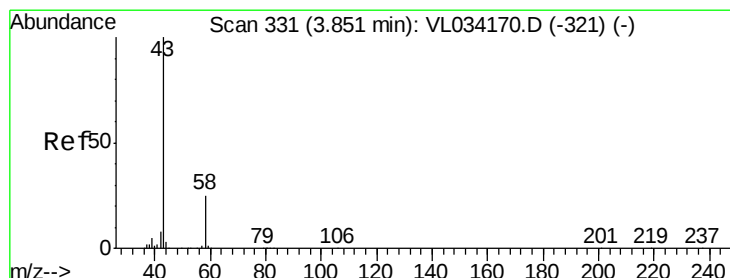
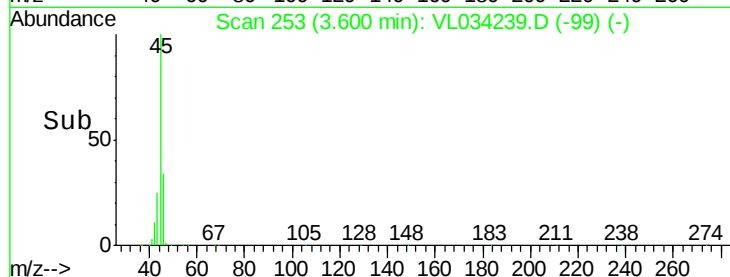
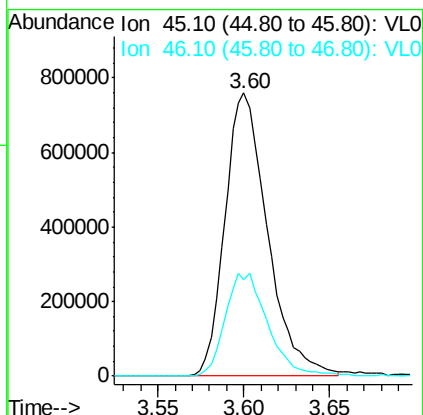
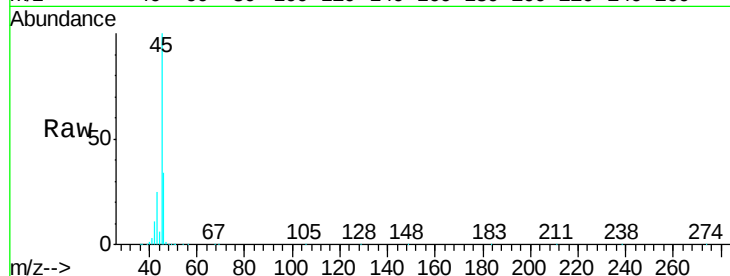
#13
Ethanol
Concen: 85.025 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL034239.D
Acq: 8 Oct 2019 2:17

Instrument :
MSVOA_L
ClientSampled :
V-2

Tgt Ion: 45 Resp: 1308378
Ion Ratio Lower Upper
45 100
46 37.1 15.5 61.9

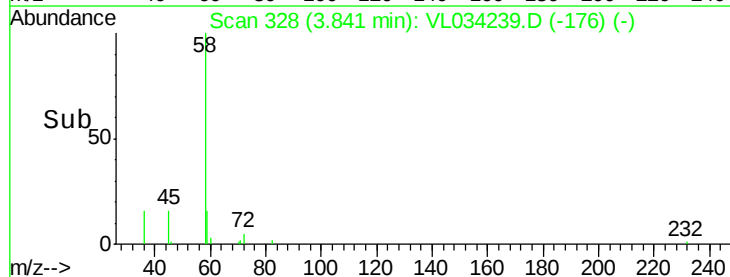
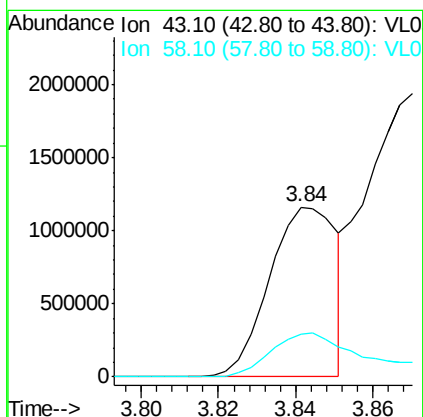
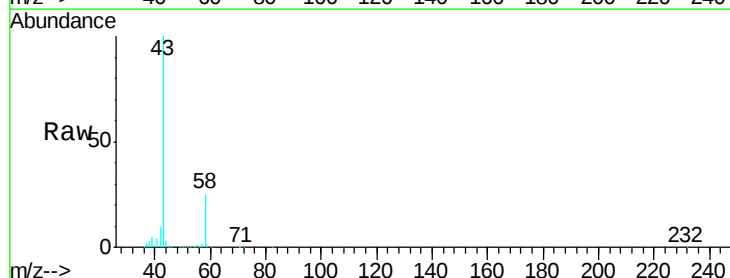
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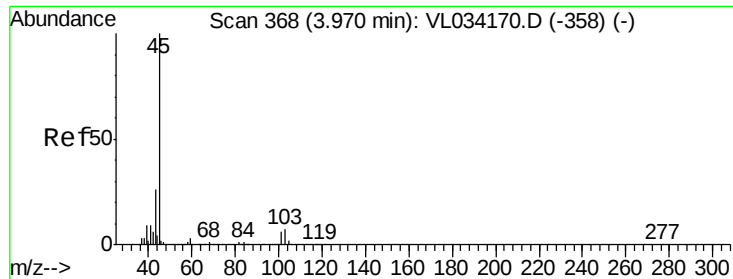
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#15
Acetone
Concen: 9.467 ppbv
RT: 3.84 min Scan# 328
Delta R.T. -0.01 min
Lab File: VL034239.D
Acq: 8 Oct 2019 2:17

Tgt Ion: 43 Resp: 1393813
Ion Ratio Lower Upper
43 100
58 39.2 20.5 30.7#





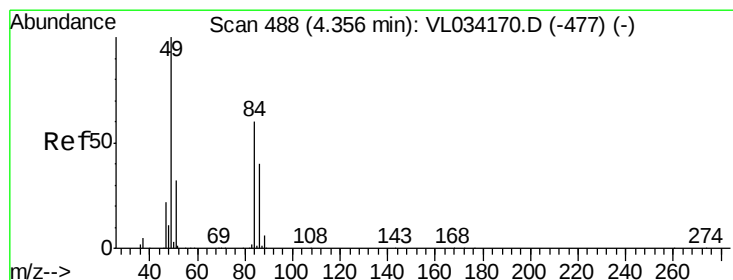
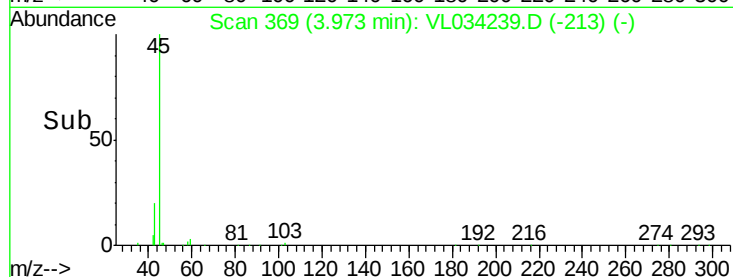
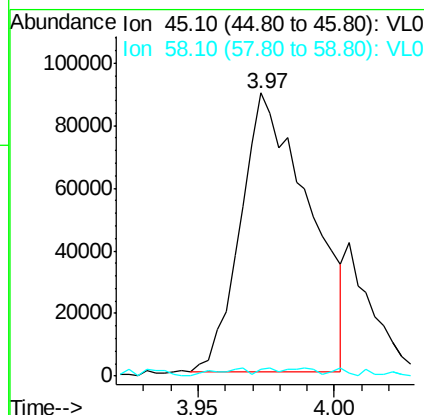
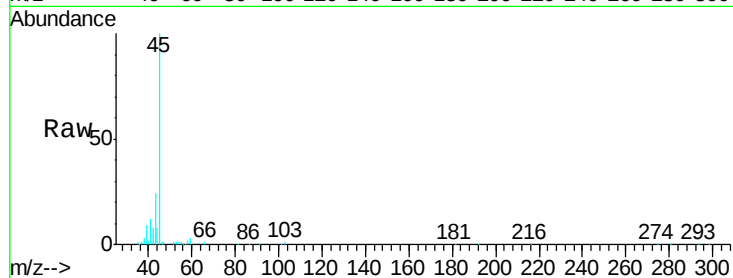
#19
Isopropyl Alcohol
Concen: 1.711 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.00 min
Lab File: VL034239.D
Acq: 8 Oct 2019 2:17

Instrument :
MSVOA_L
ClientSampled :
V-2

Tgt Ion: 45 Resp: 154916
Ion Ratio Lower Upper
45 100
58 352.5 1.4 2.0#

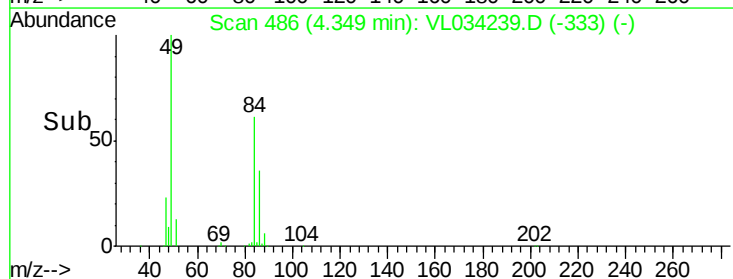
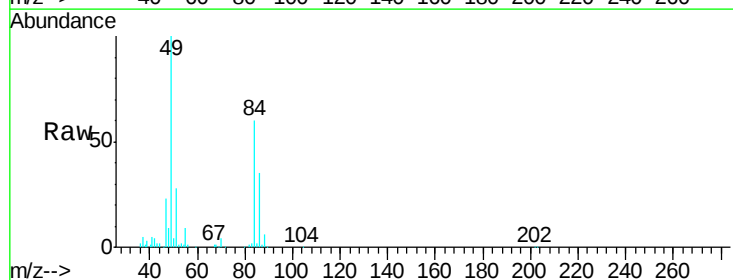
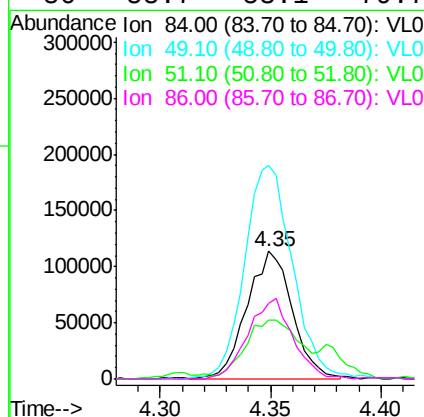
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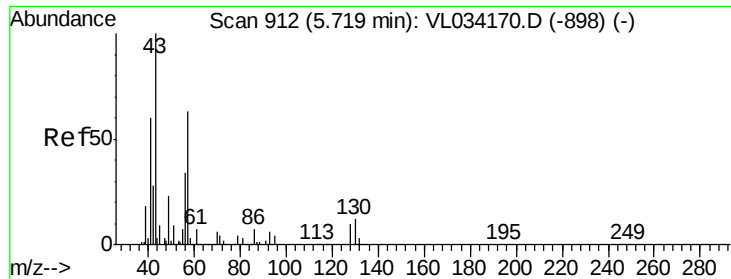
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#20
Methylene Chloride
Concen: 3.817 ppbv
RT: 4.35 min Scan# 486
Delta R.T. -0.01 min
Lab File: VL034239.D
Acq: 8 Oct 2019 2:17

Tgt Ion: 84 Resp: 162030
Ion Ratio Lower Upper
84 100
49 167.1 133.8 200.8
51 43.3 43.6 65.4#
86 58.7 53.1 79.7





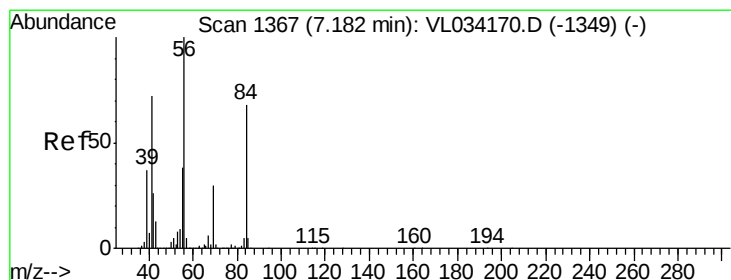
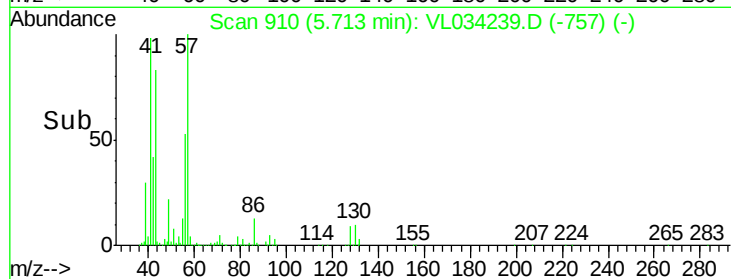
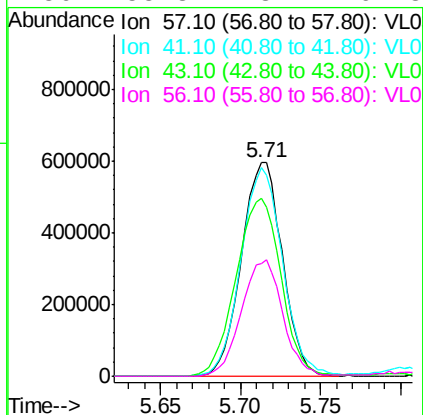
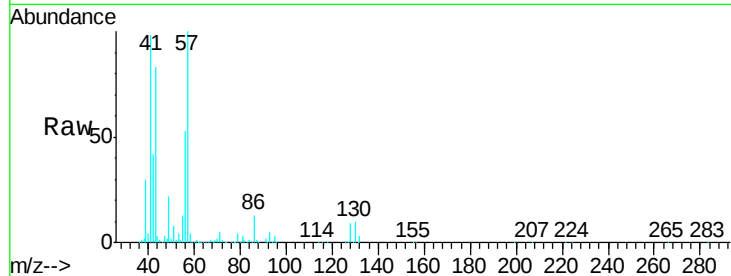
#26
Hexane
Concen: 8.946 ppbv
RT: 5.71 min Scan# 910
Delta R.T. -0.01 min
Lab File: VL034239.D
Acq: 8 Oct 2019 2:17

Instrument :
MSVOA_L
ClientSampled :
V-2

Tgt Ion: 57 Resp: 1036098
Ion Ratio Lower Upper
57 100
41 100.7 78.5 117.7
43 91.7 189.5 284.3#
56 55.3 43.2 64.8

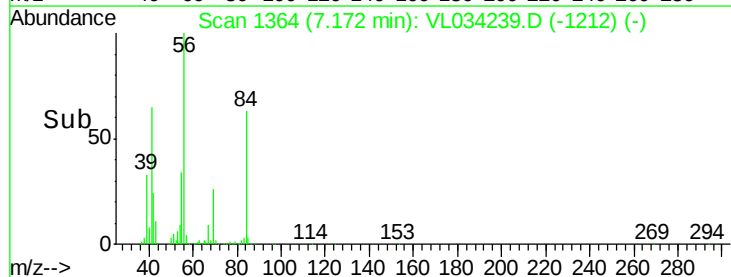
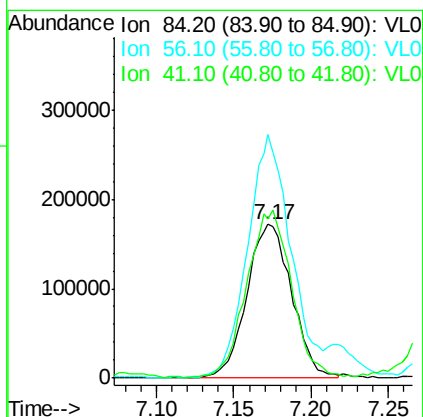
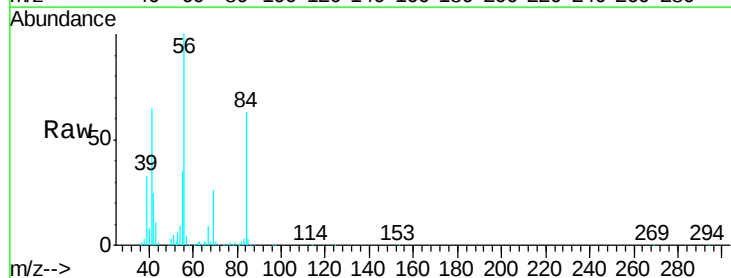
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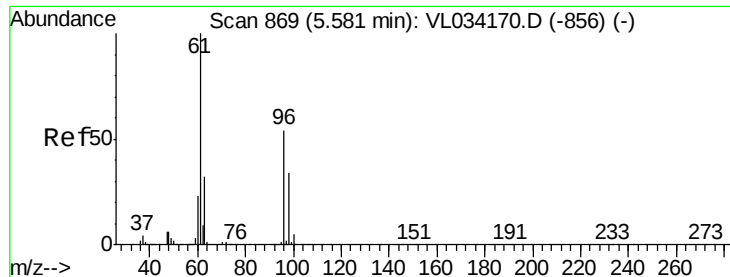
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#30
Cyclohexane
Concen: 4.148 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL034239.D
Acq: 8 Oct 2019 2:17

Tgt Ion: 84 Resp: 346860
Ion Ratio Lower Upper
84 100
56 166.8 126.2 189.2
41 107.3 85.8 128.8





#31

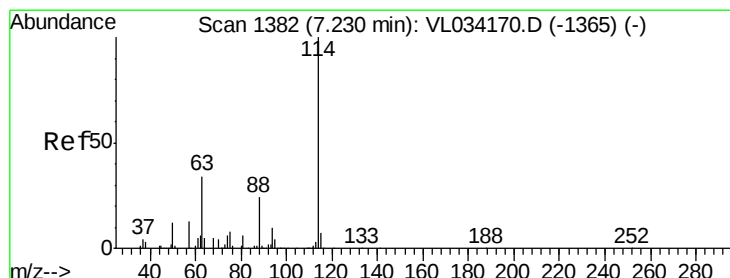
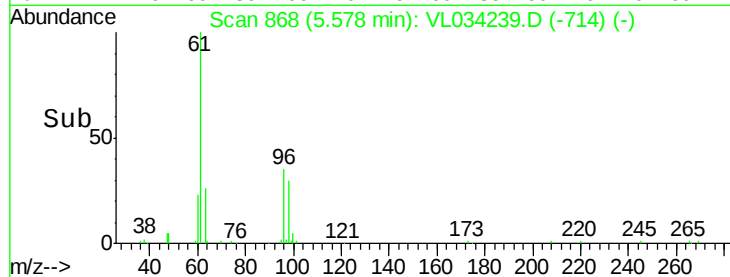
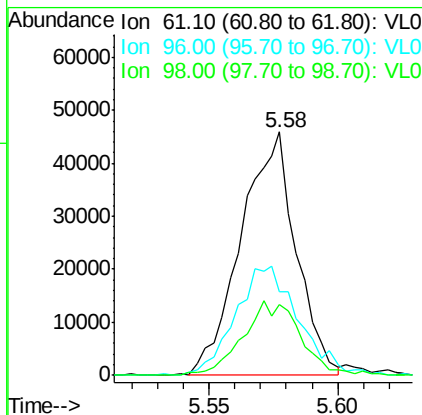
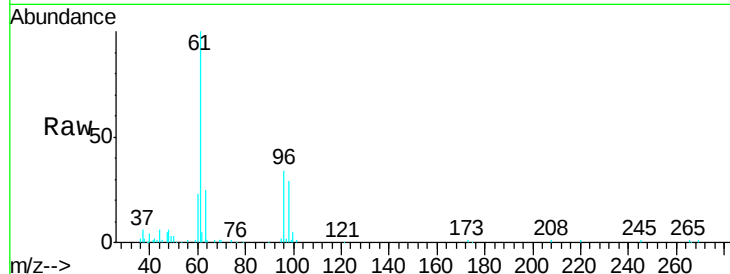
cis-1,2-Dichloroethene
Concen: 0.580 ppbv
RT: 5.58 min Scan# 868
Delta R.T. -0.00 min
Lab File: VL034239.D
Acq: 8 Oct 2019 2:17

Instrument :
MSVOA_L
ClientSampled :
V-2

Tgt Ion	Ratio	Lower	Upper
61	100		
96	31.8	43.0	64.4#
98	26.8	27.2	40.8#

Manual Integrations
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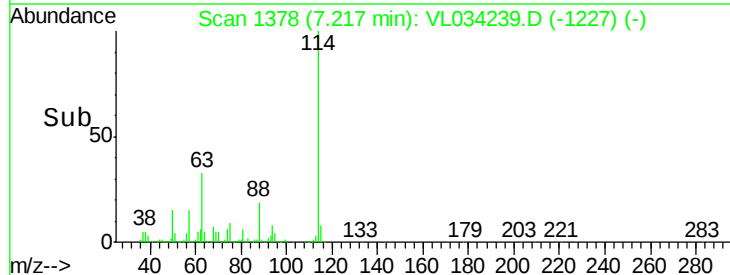
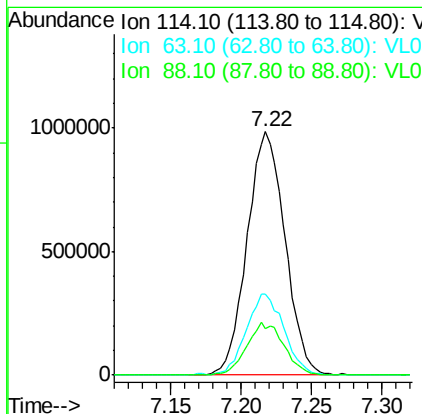
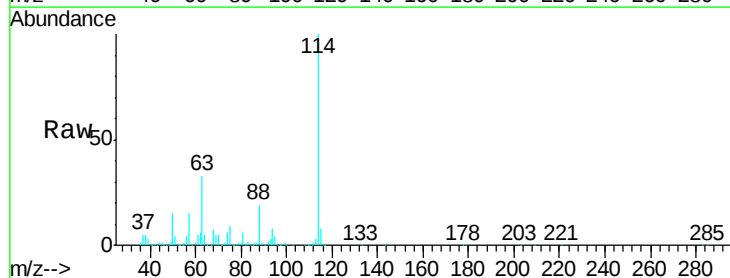
MMDadoda
10/11/2019 5:05:56 PM

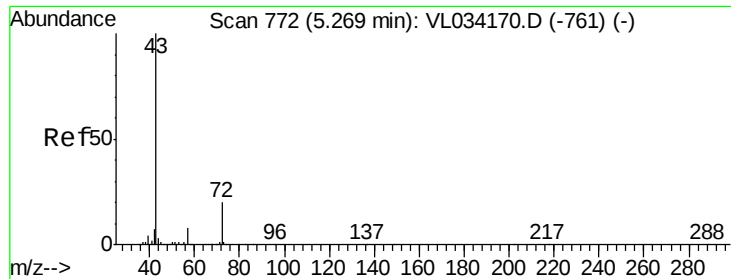


#33

1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.22 min Scan# 1378
Delta R.T. -0.01 min
Lab File: VL034239.D
Acq: 8 Oct 2019 2:17

Tgt Ion	Ratio	Lower	Upper
114	100		
63	33.5	27.8	41.6
88	21.1	17.1	25.7





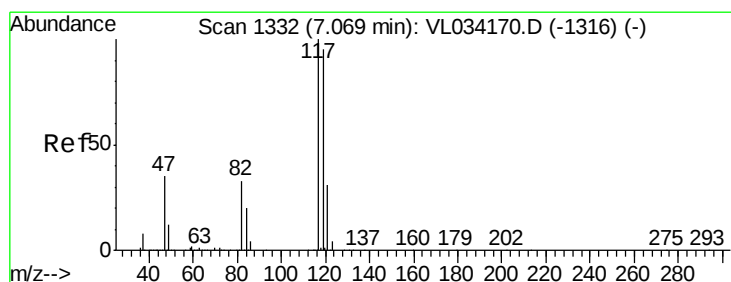
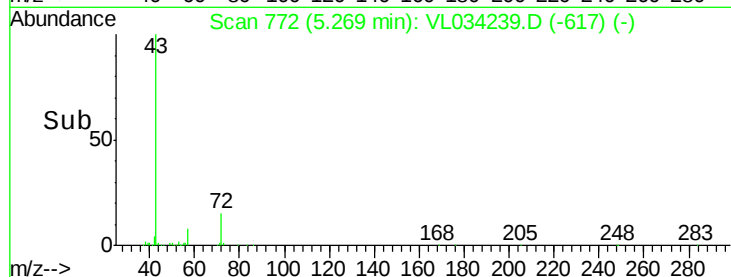
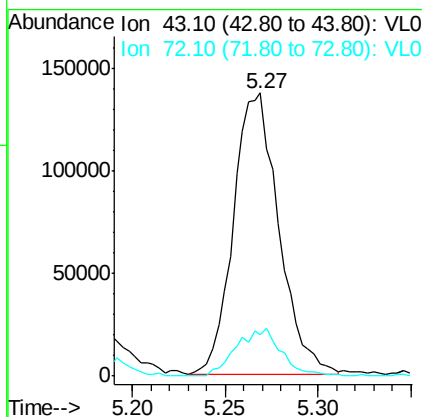
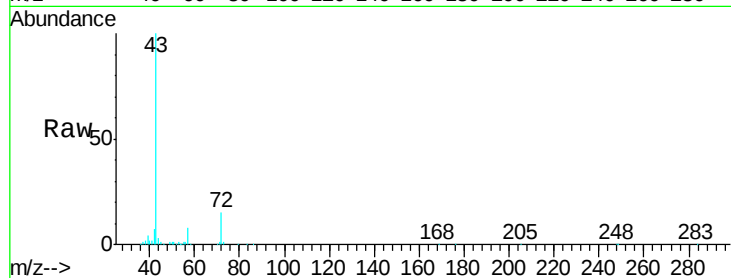
#34
2-Butanone
Concen: 1.233 ppbv
RT: 5.27 min Scan# 772
Delta R.T. -0.00 min
Lab File: VL034239.D
Acq: 8 Oct 2019 2:17

Instrument :
MSVOA_L
ClientSampled :
V-2

Tgt Ion	Ratio	Lower	Upper
43	100		
72	17.1	15.0	22.6

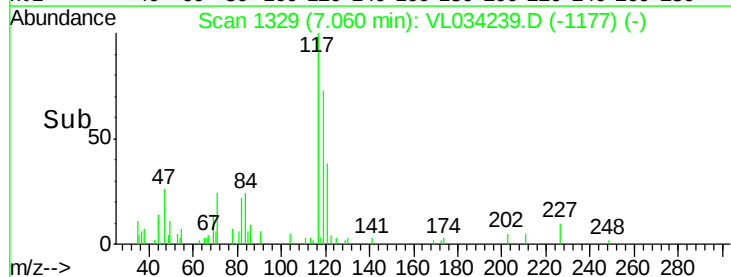
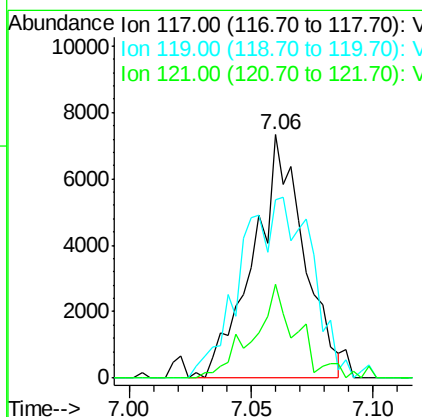
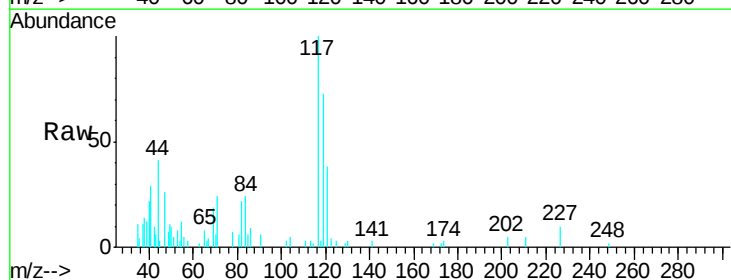
Manual Integrations
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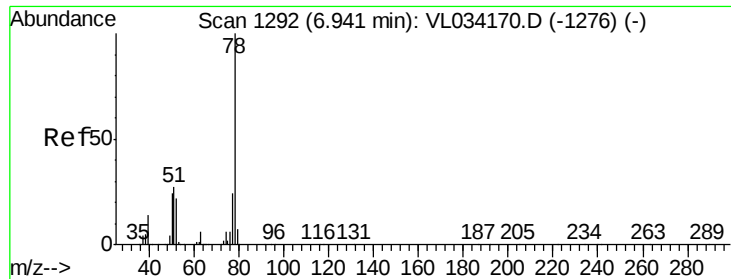
MMDadoda
10/11/2019 5:05:56 PM



#35
Carbon Tetrachloride
Concen: 0.068 ppbv
RT: 7.06 min Scan# 1329
Delta R.T. -0.01 min
Lab File: VL034239.D
Acq: 8 Oct 2019 2:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	71.3	75.8	113.6#
121	37.5	25.0	37.6





#36

Benzene

Concen: 5.688 ppbv

RT: 6.93 min Scan# 1289

Delta R.T. -0.01 min

Lab File: VL034239.D

Acq: 8 Oct 2019 2:17

Instrument :

MSVOA_L

ClientSampled :

V-2

Tgt Ion: 78 Resp: 1164894

Ion Ratio Lower Upper

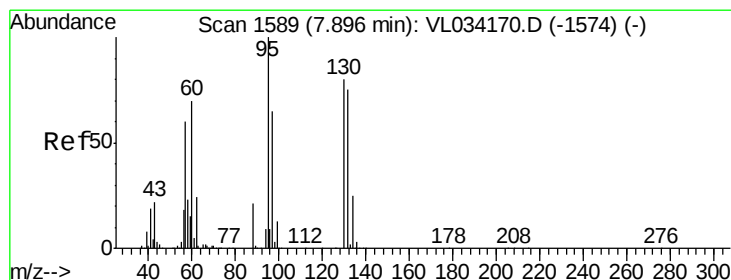
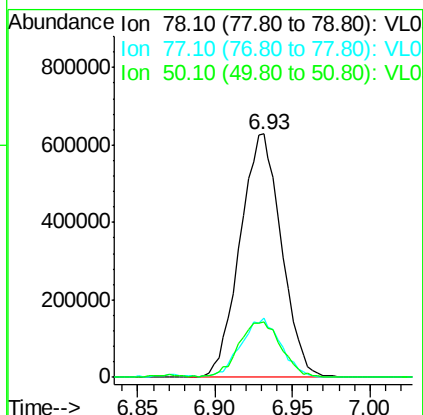
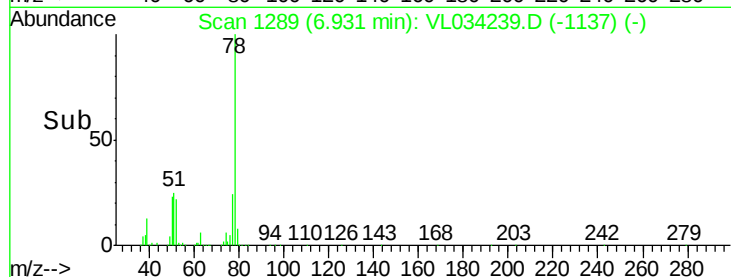
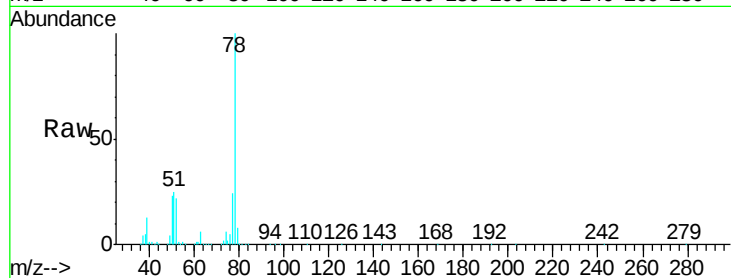
78 100

77 24.1 19.0 28.4

50 23.0 18.9 28.3

Manual Integrations
APPROVED

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#38

Trichloroethene

Concen: 0.247 ppbv m

RT: 7.88 min Scan# 1585

Delta R.T. -0.01 min

Lab File: VL034239.D

Acq: 8 Oct 2019 2:17

Tgt Ion: 130 Resp: 18088

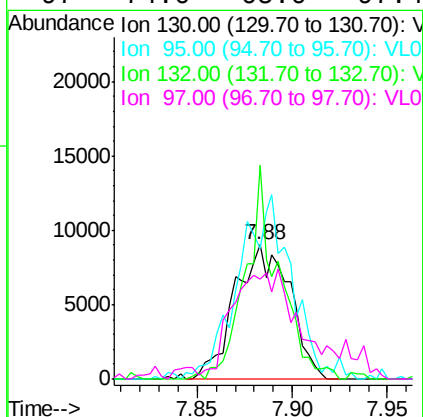
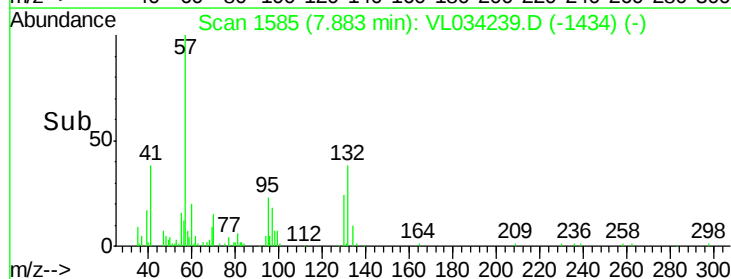
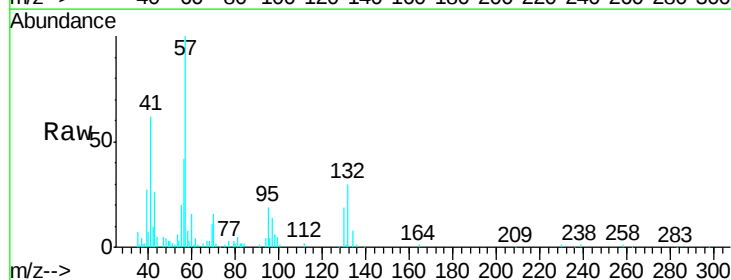
Ion Ratio Lower Upper

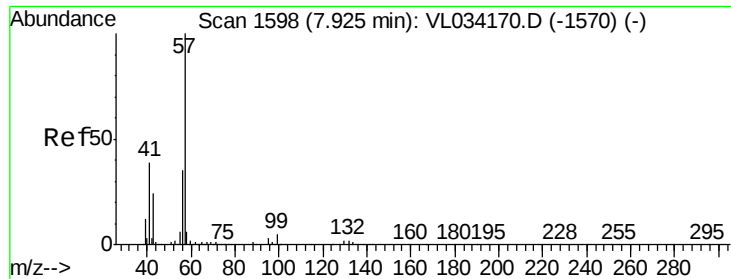
130 100

95 97.8 99.8 149.6#

132 159.2 75.2 112.8#

97 74.0 65.0 97.4





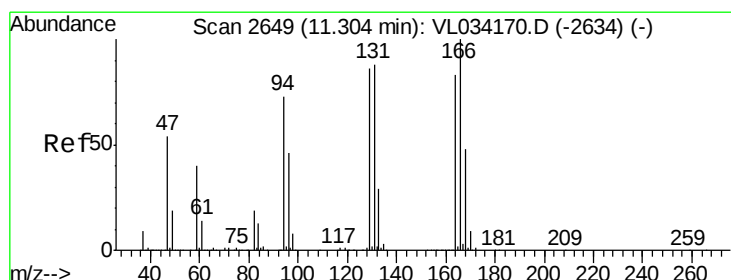
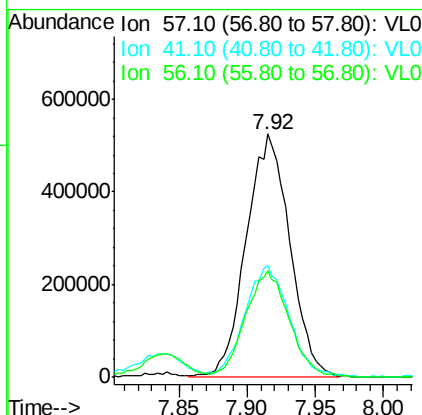
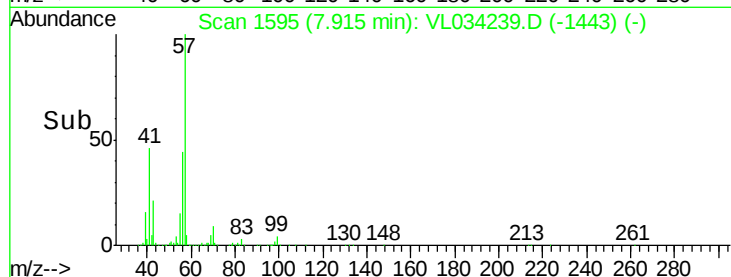
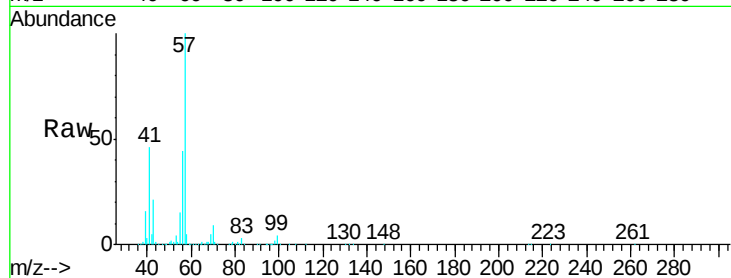
#44
2,2,4-Trimethylpentane
Concen: 2.930 ppbv
RT: 7.92 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VL034239.D
Acq: 8 Oct 2019 2:17

Instrument :
MSVOA_L
ClientSampleId :
V-2

Tgt Ion: 57 Resp: 1155049
Ion Ratio Lower Upper
57 100
41 46.4 29.8 44.6#
56 44.3 25.9 38.9#

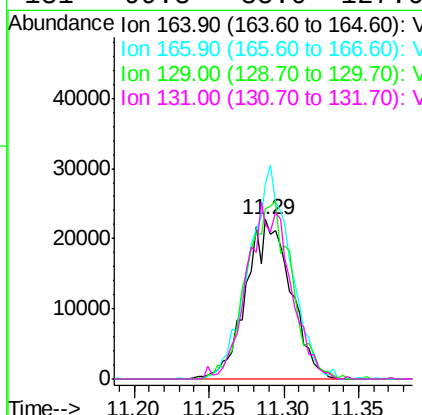
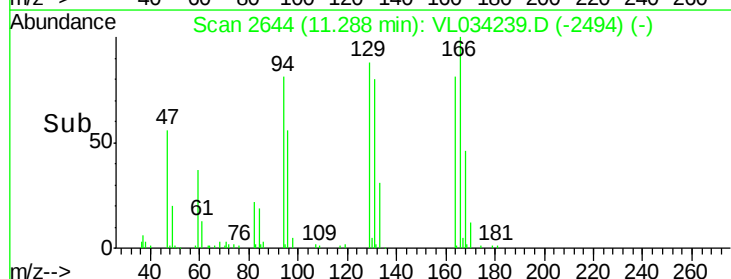
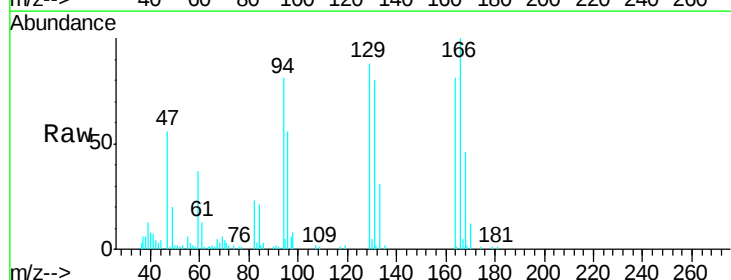
Manual Integrations
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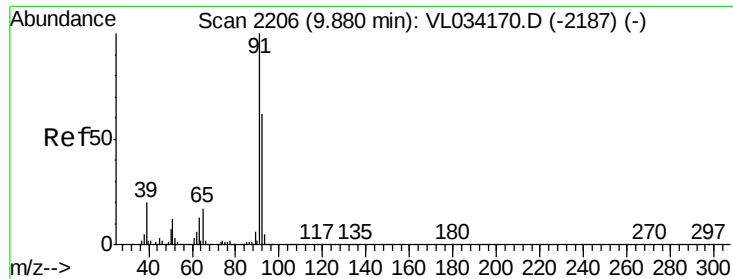
MMDadoda
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#52
Tetrachloroethene
Concen: 0.699 ppbv
RT: 11.29 min Scan# 2644
Delta R.T. -0.02 min
Lab File: VL034239.D
Acq: 8 Oct 2019 2:17

Tgt Ion: 164 Resp: 47281
Ion Ratio Lower Upper
164 100
166 121.8 96.7 145.1
129 106.9 82.8 124.2
131 99.8 85.0 127.6





#53

Toluene

Concen: 19.625 ppbv

RT: 9.87 min Scan# 2202

Delta R.T. -0.01 min

Lab File: VL034239.D

Acq: 8 Oct 2019 2:17

Instrument :

MSVOA_L

ClientSampleId :

V-2

Tgt Ion: 91 Resp: 4392233

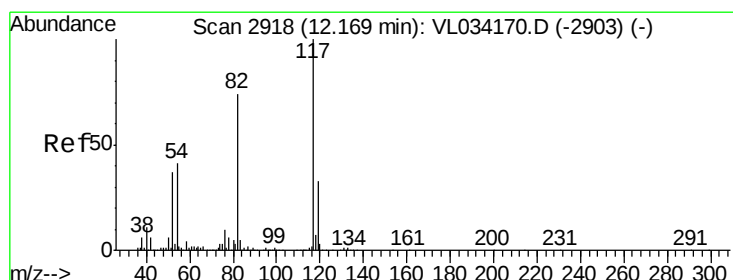
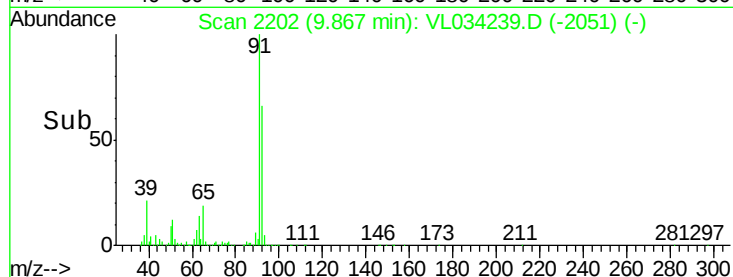
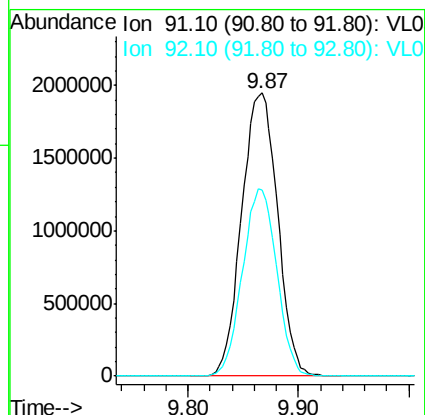
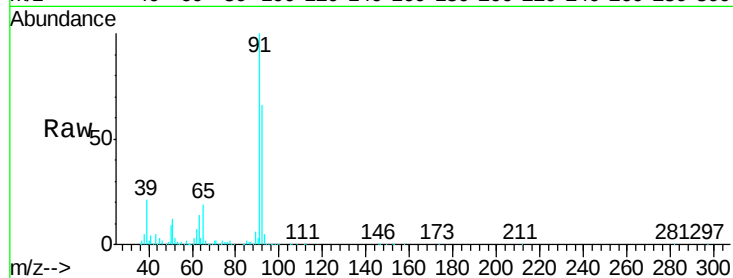
Ion Ratio Lower Upper

91 100

92 63.4 49.0 73.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. -0.01 min

Lab File: VL034239.D

Acq: 8 Oct 2019 2:17

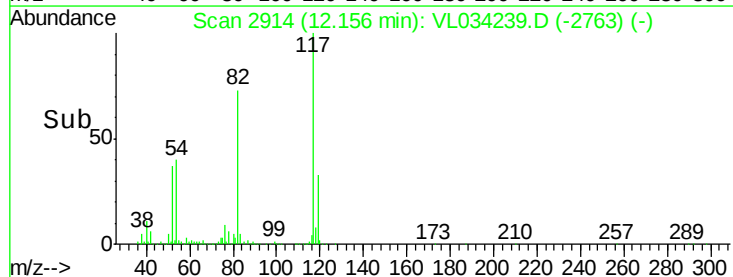
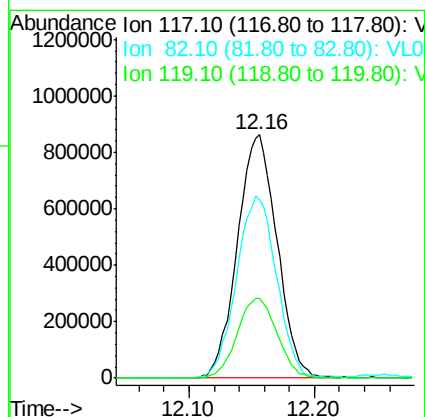
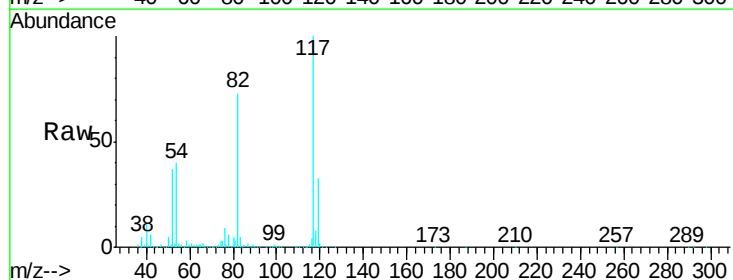
Tgt Ion: 117 Resp: 1885269

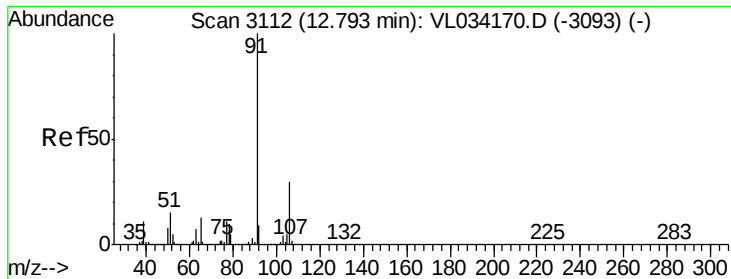
Ion Ratio Lower Upper

117 100

82 76.0 58.2 87.4

119 33.4 23.7 35.5





#58

Ethyl Benzene

Concen: 2.431 ppbv

RT: 12.78 min Scan# 3107

Delta R.T. -0.02 min

Lab File: VL034239.D

Acq: 8 Oct 2019 2:17

Instrument :

MSVOA_L

ClientSampleId :

V-2

Tgt Ion: 91 Resp: 739500

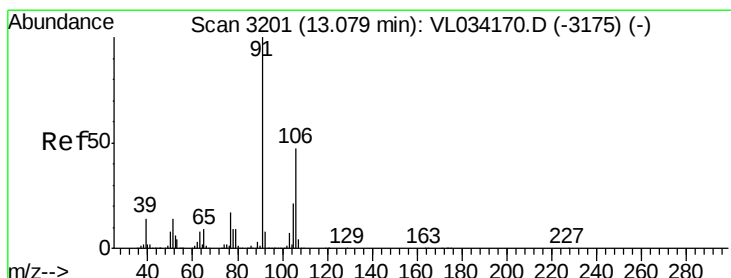
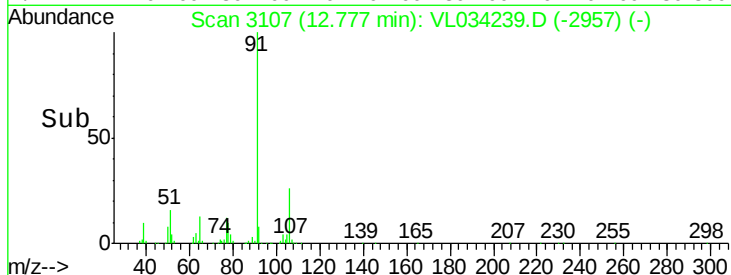
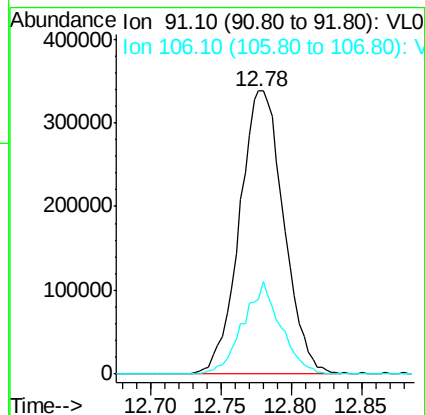
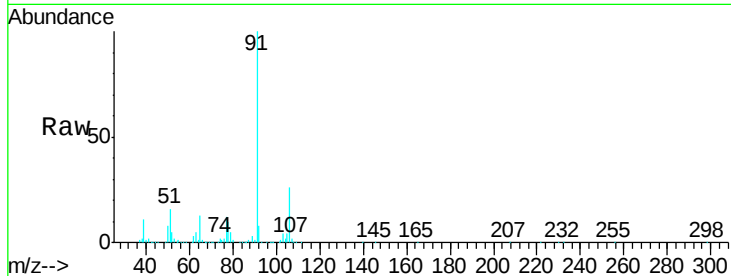
Ion Ratio Lower Upper

91 100

106 26.4 24.2 36.4

Manual Integrations
APPROVED

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#59

m/p-Xylene

Concen: 8.163 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. -0.05 min

Lab File: VL034239.D

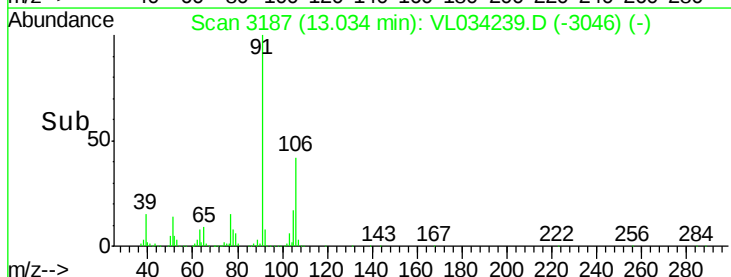
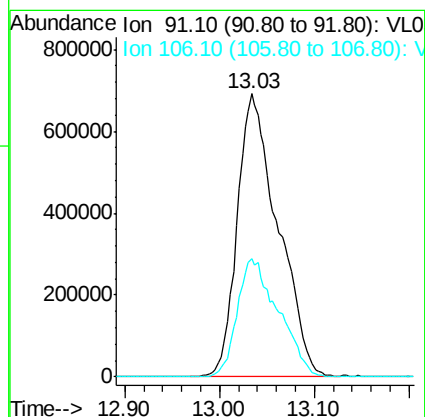
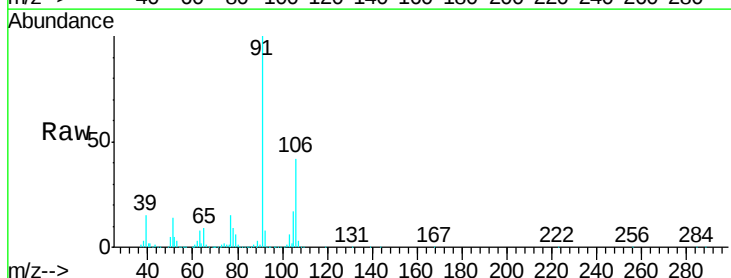
Acq: 8 Oct 2019 2:17

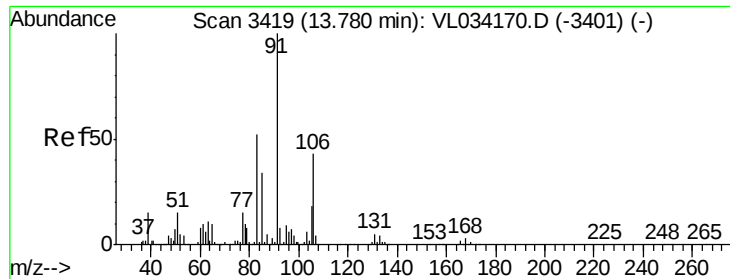
Tgt Ion: 91 Resp: 2056806

Ion Ratio Lower Upper

91 100

106 42.4 35.5 53.3





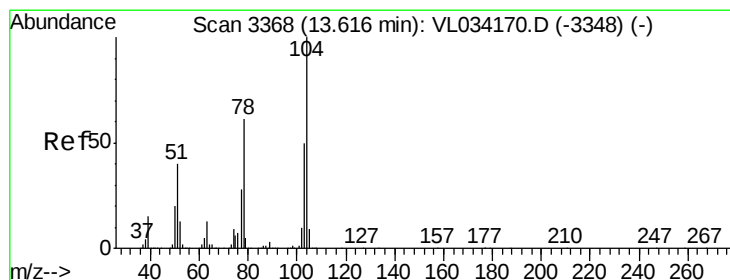
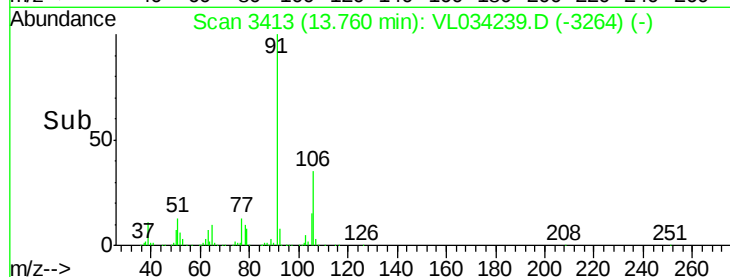
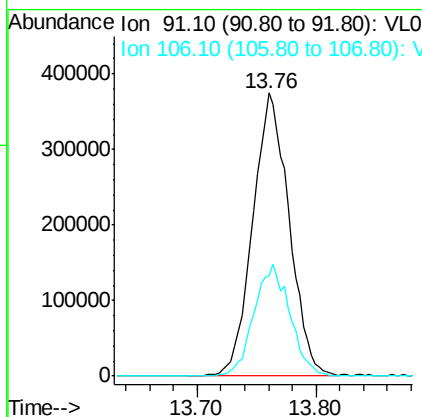
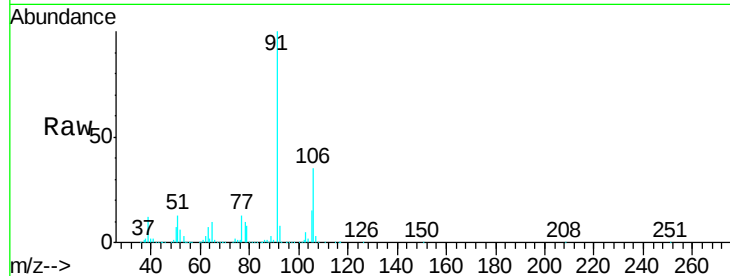
#60
o-Xylene
Concen: 3.142 ppbv
RT: 13.76 min Scan# 3413
Delta R.T. -0.02 min
Lab File: VL034239.D
Acq: 8 Oct 2019 2:17

Instrument :
MSVOA_L
ClientSampled :
V-2

Tgt Ion: 91 Resp: 791492
Ion Ratio Lower Upper
91 100
106 39.4 21.2 63.6

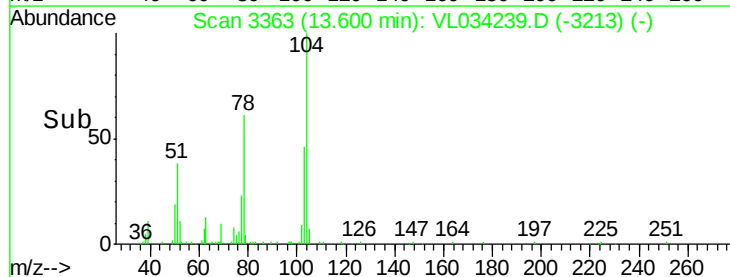
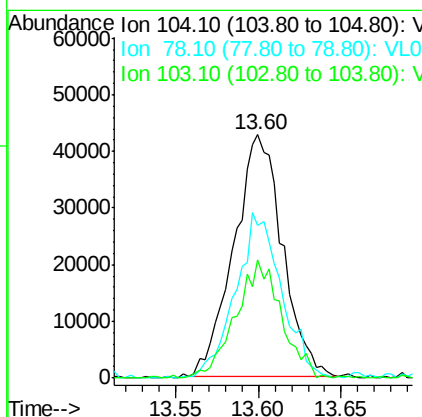
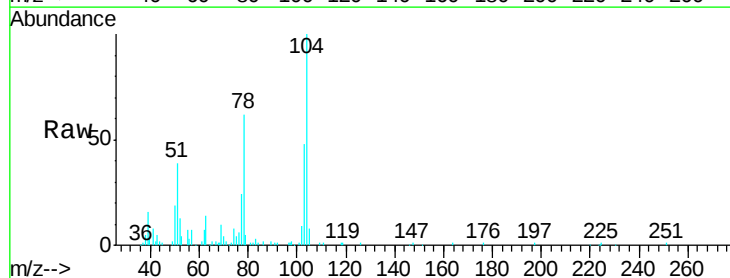
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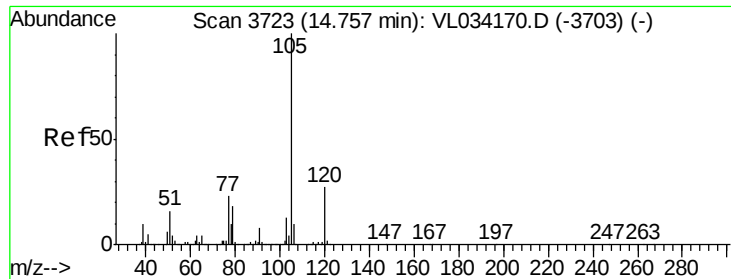
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#61
Styrene
Concen: 0.484 ppbv
RT: 13.60 min Scan# 3363
Delta R.T. -0.02 min
Lab File: VL034239.D
Acq: 8 Oct 2019 2:17

Tgt Ion: 104 Resp: 87263
Ion Ratio Lower Upper
104 100
78 64.5 49.7 74.5
103 46.1 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: VL034239.D

Acq: 8 Oct 2019 2:17

Instrument :

MSVOA_L

ClientSampled :

V-2

Tgt Ion:105 Resp: 47907

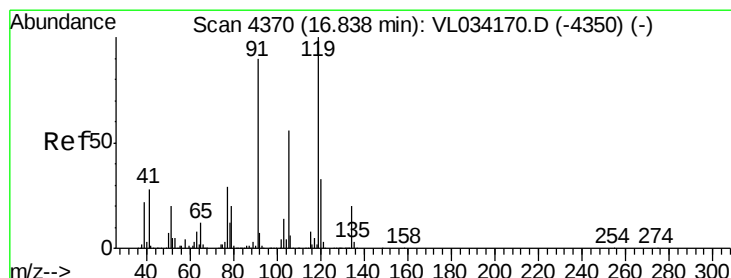
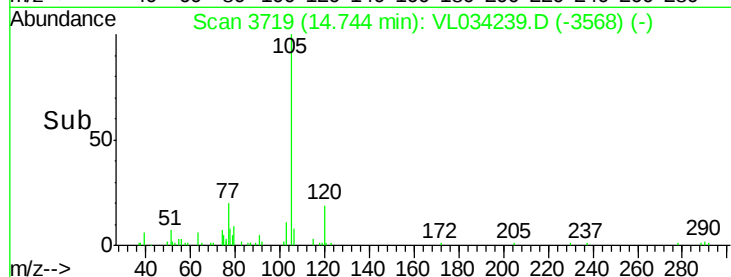
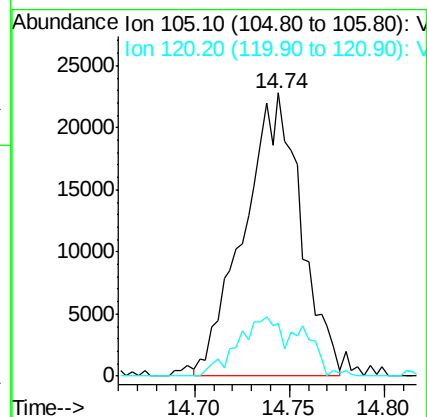
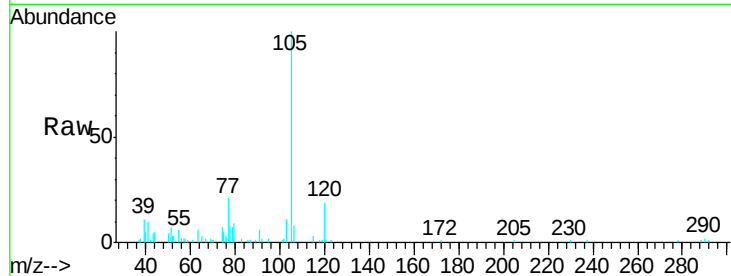
Ion Ratio Lower Upper

105 100

120 0.0 20.7 31.1#

Manual Integrations
APPROVED

MMDadoda
10/11/2019 5:05:56 PM



#65

tert-Butylbenzene

Concen: 0.330 ppbv

RT: 16.84 min Scan# 4370

Delta R.T. -0.00 min

Lab File: VL034239.D

Acq: 8 Oct 2019 2:17

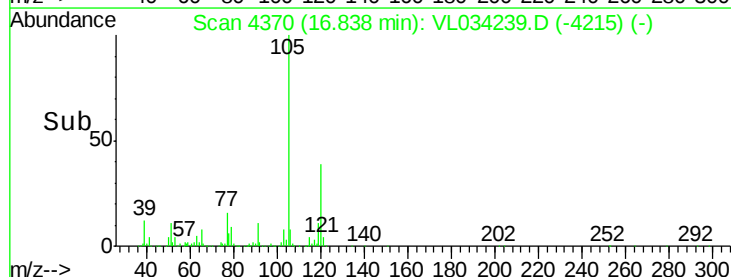
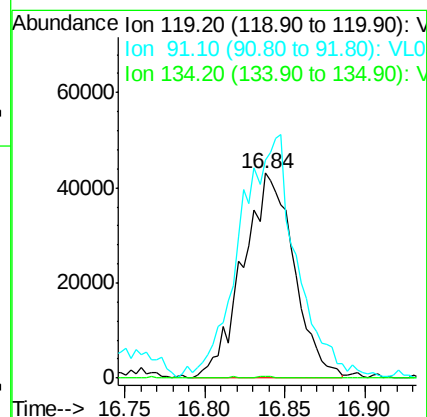
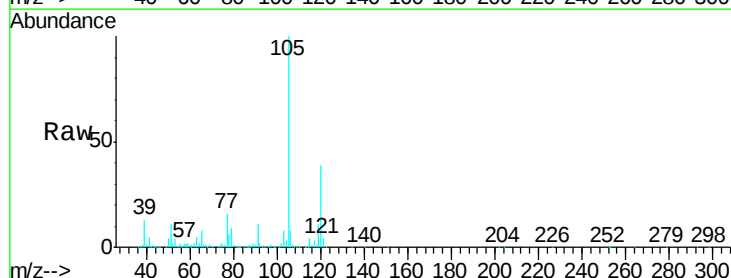
Tgt Ion:119 Resp: 94113

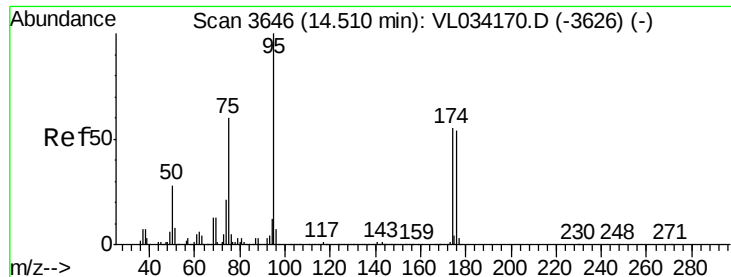
Ion Ratio Lower Upper

119 100

91 133.8 74.9 112.3#

134 0.3 15.8 23.6#





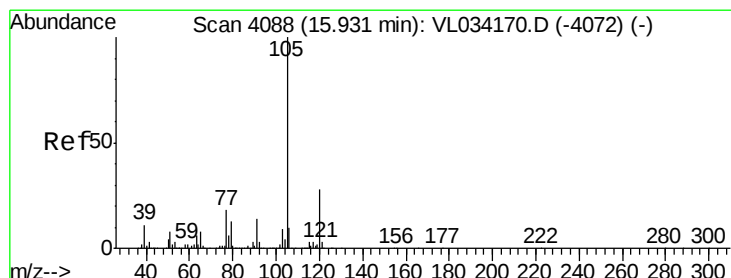
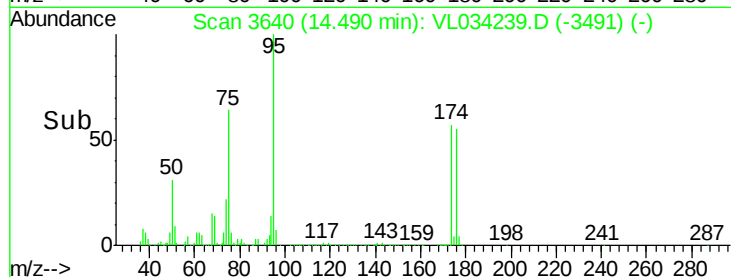
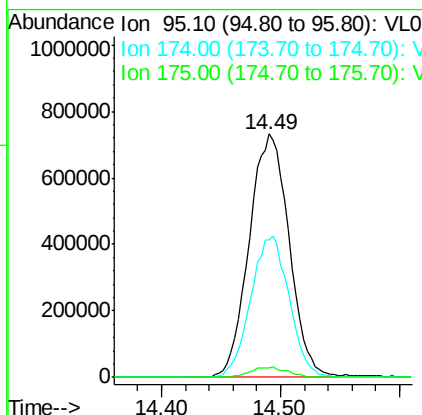
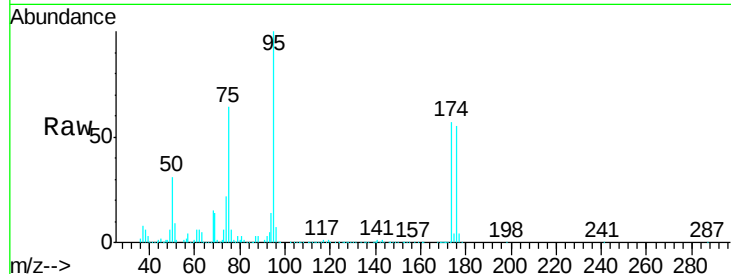
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.382 ppbv
 RT: 14.49 min Scan# 3640
 Delta R.T. -0.02 min
 Lab File: VL034239.D
 Acq: 8 Oct 2019 2:17

Instrument :
 MSVOA_L
 ClientSampled :
 V-2

Tgt Ion: 95 Resp: 1700780
 Ion Ratio Lower Upper
 95 100
 174 56.2 45.1 67.7
 175 4.0 3.3 4.9

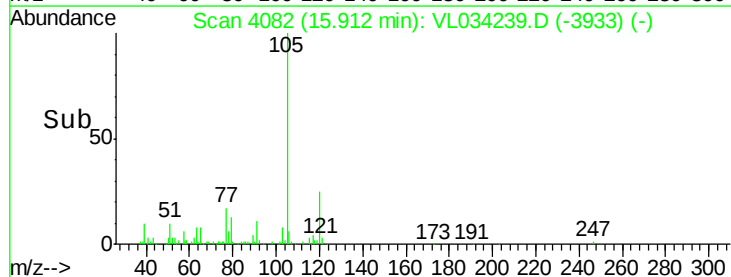
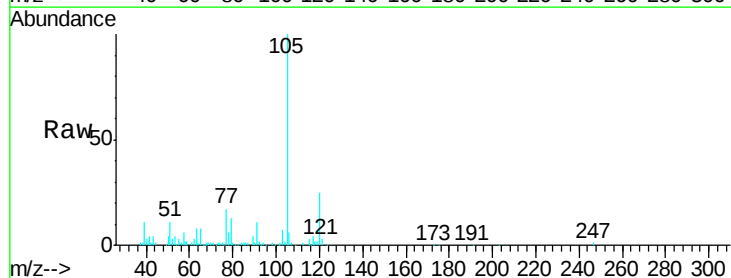
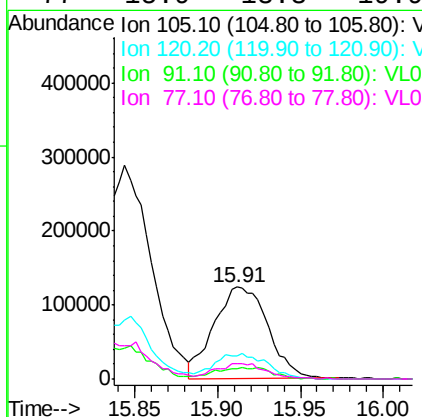
Manual Integrations
 APPROVED

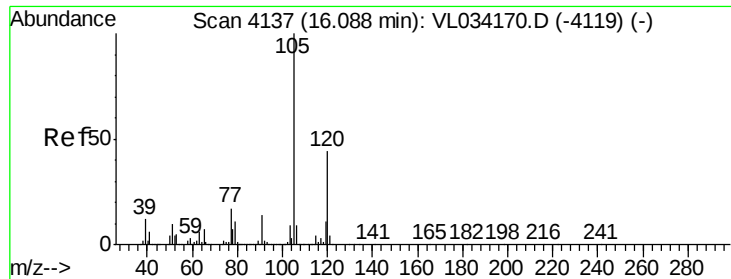
MMDadoda
 10/11/2019 5:05:56 PM



#72
 4-Ethyltoluene
 Concen: 0.975 ppbv
 RT: 15.91 min Scan# 4082
 Delta R.T. -0.02 min
 Lab File: VL034239.D
 Acq: 8 Oct 2019 2:17

Tgt Ion: 105 Resp: 277574
 Ion Ratio Lower Upper
 105 100
 120 27.3 23.3 34.9
 91 13.6 11.4 17.2
 77 15.9 13.3 19.9





#73

1,3,5-Trimethylbenzene

Concen: 0.909 ppbv

RT: 16.07 min Scan# 4131

Delta R.T. -0.02 min

Lab File: VL034239.D

Acq: 8 Oct 2019 2:17

Instrument :

MSVOA_L

ClientSampled :

V-2

Tgt Ion:105 Resp: 250059

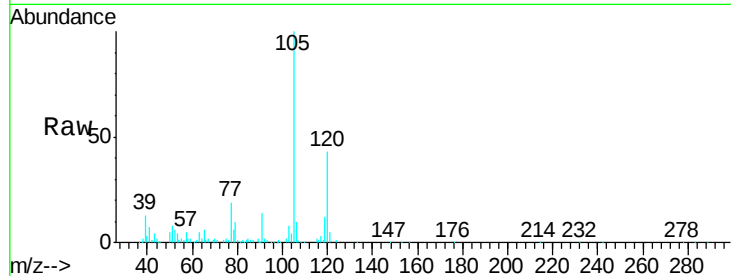
Ion Ratio Lower Upper

105 100

120 43.5 35.6 53.4

Manual Integrations
APPROVED

MMDadoda
10/11/2019 5:05:56 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

120000

100000

80000

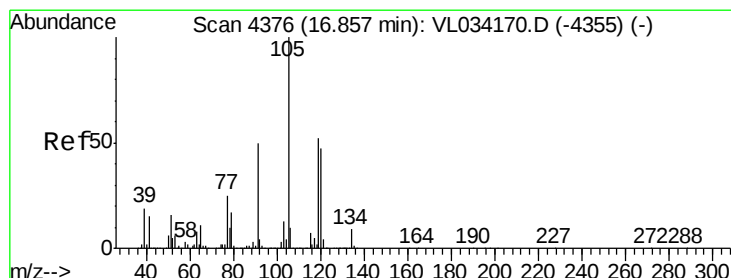
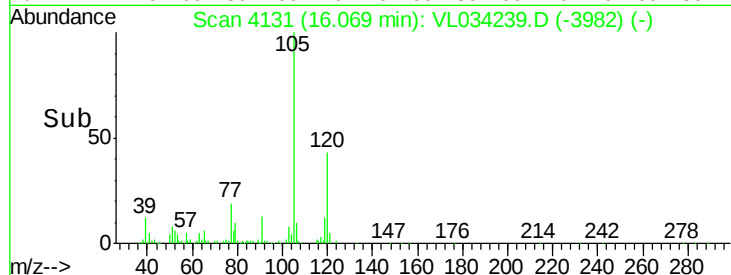
60000

40000

20000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 3.089 ppbv

RT: 16.84 min Scan# 4370

Delta R.T. -0.02 min

Lab File: VL034239.D

Acq: 8 Oct 2019 2:17

Tgt Ion:105 Resp: 901950

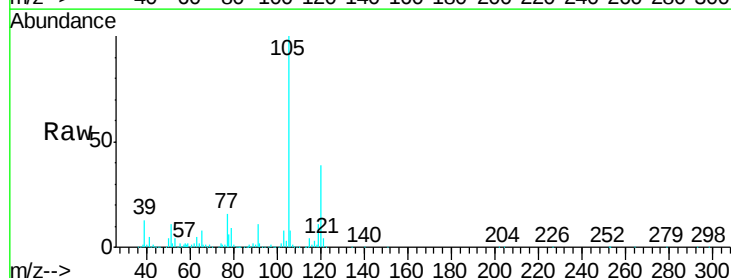
Ion Ratio Lower Upper

105 100

120 38.9 37.5 56.3

91 11.0 41.1 61.7#

77 15.7 19.9 29.9#



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

600000

500000

400000

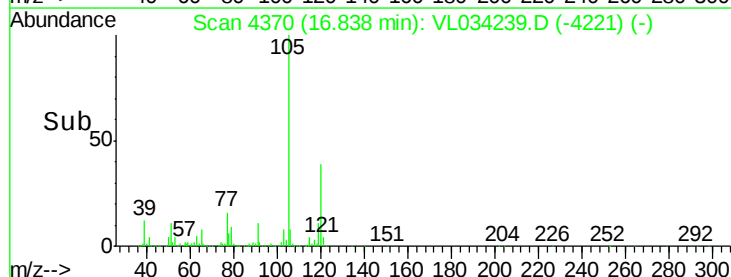
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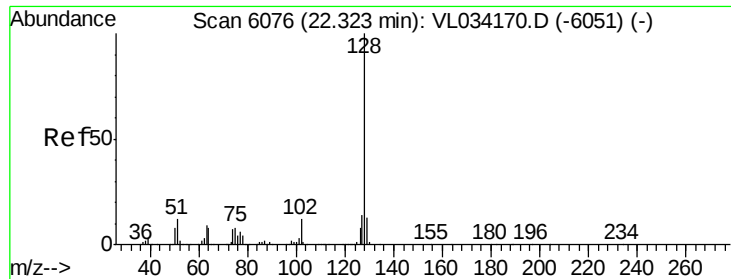
200000

100000

0

Time-->





#79

Naphthalene

Concen: 0.460 ppbv m

RT: 22.31 min Scan# 6072

Delta R.T. -0.01 min

Lab File: VL034239.D

Acq: 8 Oct 2019 2:17

Instrument :

MSVOA_L

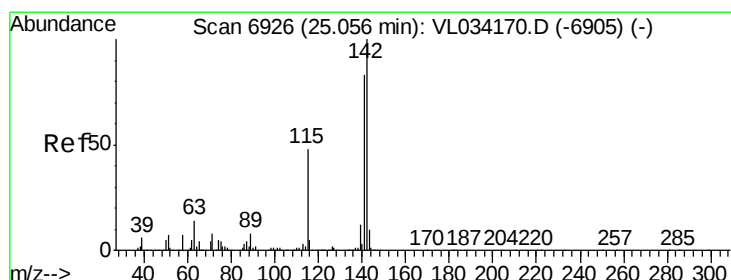
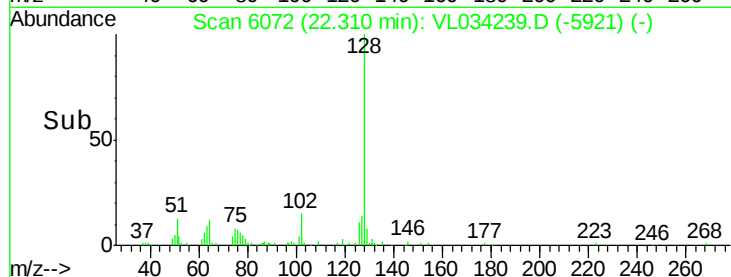
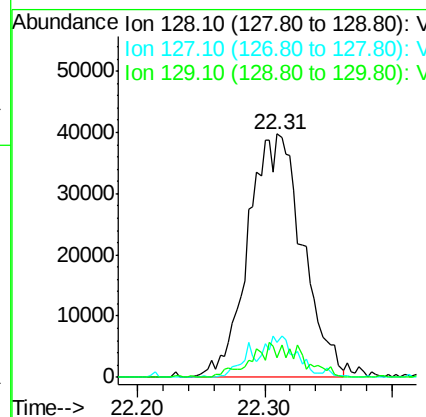
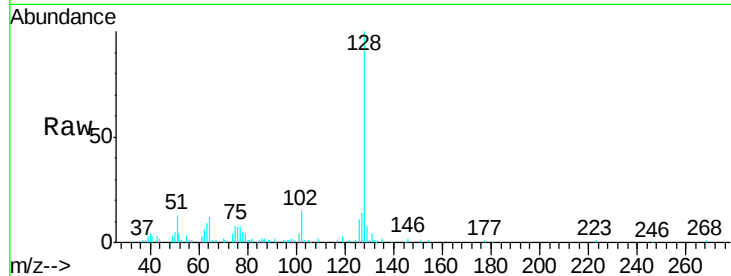
ClientSampled :

V-2

Tgt Ion:	128	Resp:	118223
Ion Ratio		Lower	Upper
128	100		
127	14.2	11.1	16.7
129	7.9	10.2	15.4

Manual Integrations
APPROVED

MMDadoda
10/11/2019 5:05:56 PM



#80

Naphthalene, 2-methyl-

Concen: 0.145 ppbv m

RT: 25.05 min Scan# 6924

Delta R.T. -0.01 min

Lab File: VL034239.D

Acq: 8 Oct 2019 2:17

Tgt Ion:	142	Resp:	17351
Ion Ratio		Lower	Upper
142	100		
141	47.5	67.6	101.4
115	27.4	36.9	55.3

