

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092419\
 Data File : VL034200.D
 Acq On : 24 Sep 2019 13:32
 Operator : SY/AP
 Sample : K5011-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 12:39:32 AM

Quant Time: Sep 25 10:16:15 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	1088412	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	1869319	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	1962206	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1805571	10.59	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	19122	0.119	ppbv	89
3) Chlorodifluoromethane	2.97	51	167066m	1.309	ppbv	
4) Chloromethane	3.13	50	33388	0.445	ppbv #	77
5) Vinyl Chloride	3.25	62	3084m	0.045	ppbv	
9) Propene	3.00	41	78201	1.242	ppbv #	72
10) Heptane	8.18	43	96638	0.589	ppbv	99
11) Trichlorofluoromethane	3.95	101	80620	0.551	ppbv	97
12) 1,1,2-Trichlorotrifluoroet	4.49	101	13503	0.141	ppbv	85
13) Ethanol	3.61	45	1722226	112.959	ppbv	99
15) Acetone	3.85	43	3484041	23.883	ppbv	98
17) tert-Butyl alcohol	4.31	59	542321	5.867	ppbv	100
18) 1,1-Dichloroethene	4.30	96	7836m	0.188	ppbv	
19) Isopropyl Alcohol	3.99	45	687258	7.661	ppbv #	1
20) Methylene Chloride	4.35	84	756132	17.978	ppbv	93
22) trans-1,2-Dichloroethene	4.90	96	4623m	0.111	ppbv	
26) Hexane	5.72	57	1063983	9.272	ppbv #	74
27) Carbon Disulfide	4.56	76	73387	0.693	ppbv #	87
29) Chloroform	5.78	83	1593654	9.719	ppbv	98
30) Cyclohexane	7.18	84	160959	1.943	ppbv	86
31) cis-1,2-Dichloroethene	5.58	61	159424m	1.363	ppbv	
32) 1,1,1-Trichloroethane	6.55	97	11891m	0.075	ppbv	
34) 2-Butanone	5.27	43	375703	1.968	ppbv	98
35) Carbon Tetrachloride	7.06	117	17656m	0.114	ppbv	
36) Benzene	6.93	78	47010	0.228	ppbv #	92
38) Trichloroethene	7.89	130	2171979	29.444	ppbv	99
42) Bromodichloromethane	7.85	83	93130m	0.528	ppbv	
50) 4-Methyl-2-Pentanone	8.80	43	221906	0.799	ppbv	97
52) Tetrachloroethene	11.30	164	10675m	0.157	ppbv	
53) Toluene	9.87	91	2980967	13.211	ppbv	100
58) Ethyl Benzene	12.79	91	213407	0.674	ppbv	89
59) m/p-Xylene	13.04	91	443882m	1.693	ppbv	
60) o-Xylene	13.77	91	159372	0.608	ppbv	98
61) Styrene	13.60	104	107075	0.570	ppbv	97
62) Isopropylbenzene	14.75	105	71944	0.212	ppbv	96
74) 1,2,4-Trimethylbenzene	16.85	105	101285	0.333	ppbv #	70

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

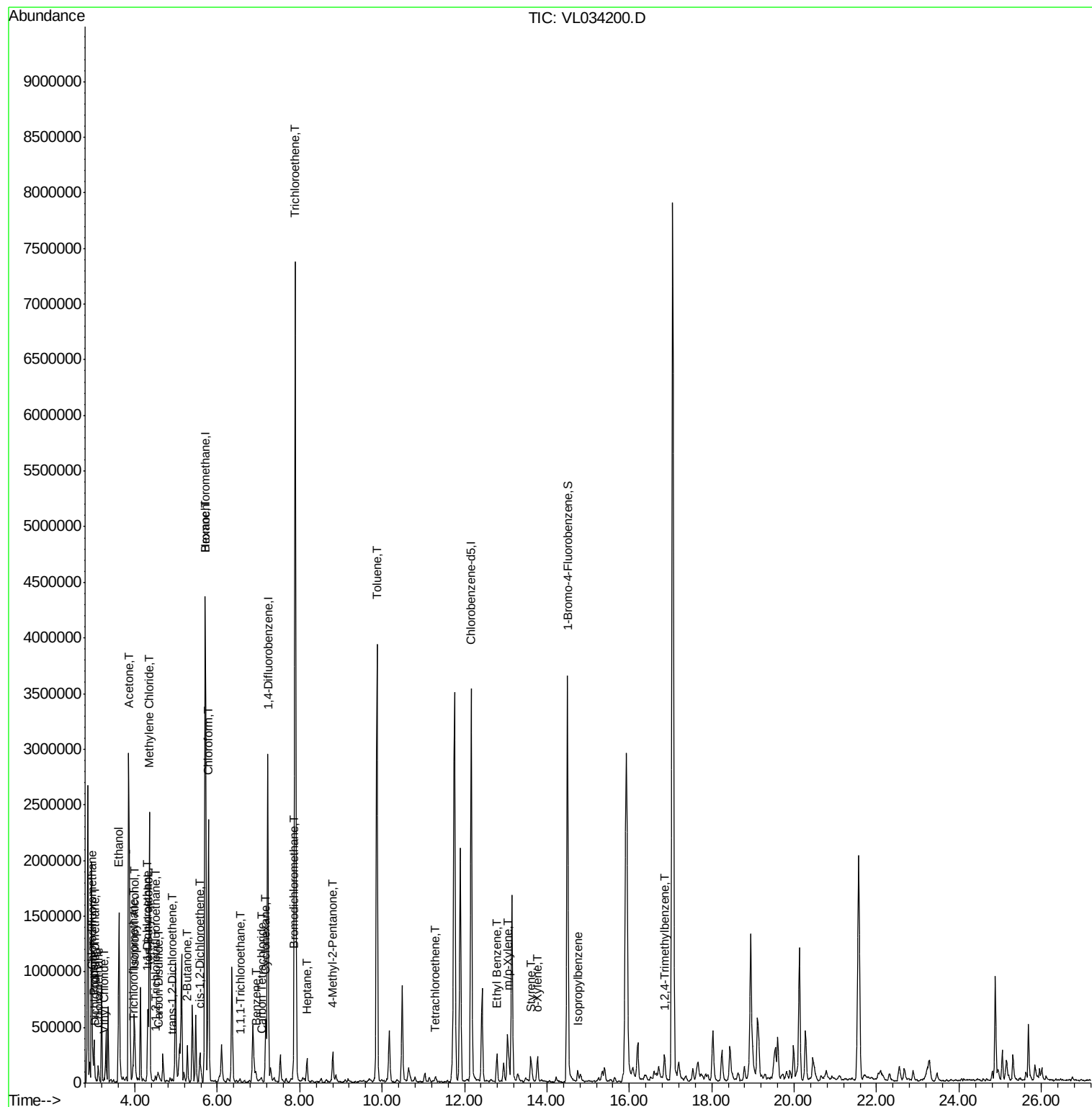
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL092419\
Data File : VL034200.D
Acq On : 24 Sep 2019 13:32
Operator : SY/AP
Sample : K5011-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

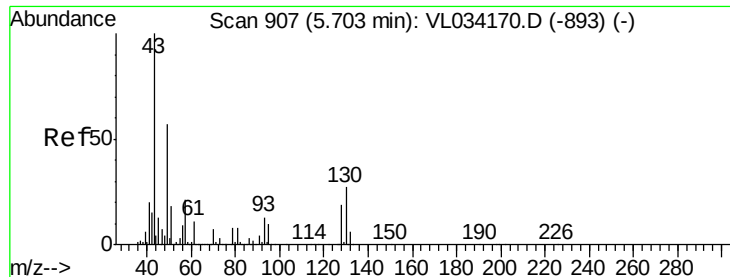
Instrument :
MSVOA_L
ClientSampleId :
AIR-01

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Quant Time: Sep 25 10:16:15 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep
QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL034200.D

Acq: 24 Sep 2019 13:32

Instrument :

MSVOA_L

ClientSampled :

AIR-01

Tot Ion: 49 Resp: 1088412

Ion Ratio Lower Upper

49 100

128 35.6 17.6 52.9

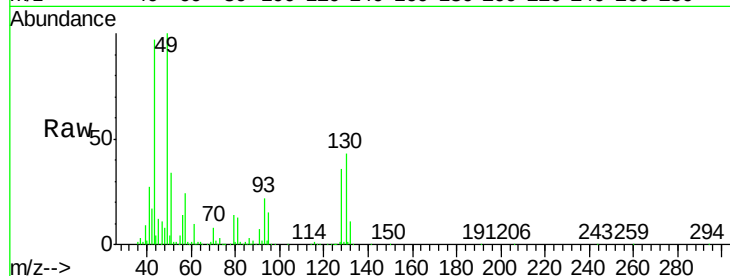
130 43.9 22.3 66.9

Manual Integrations

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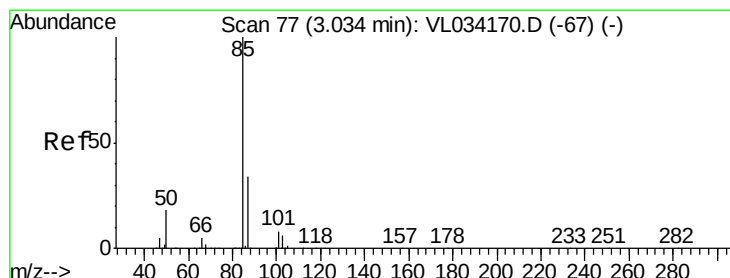
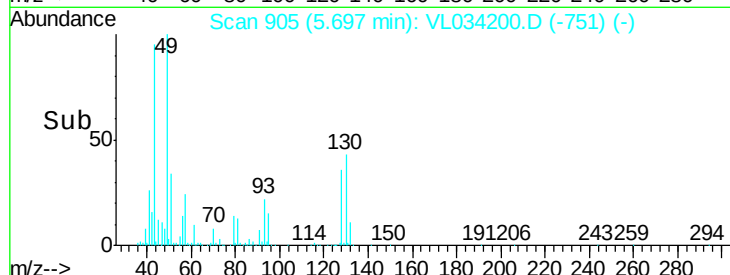
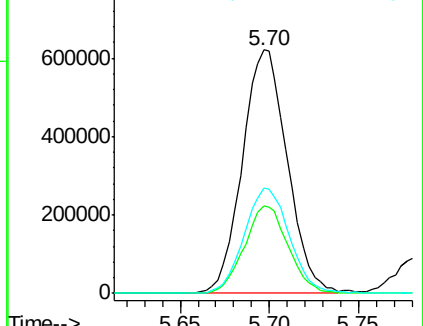
9/26/2019 12:39:32 AM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.119 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.00 min

Lab File: VL034200.D

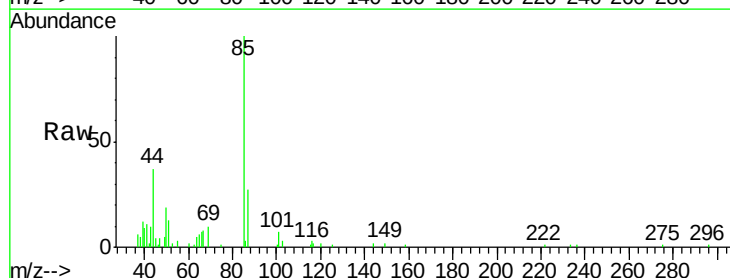
Acq: 24 Sep 2019 13:32

Tgt Ion: 85 Resp: 19122

Ion Ratio Lower Upper

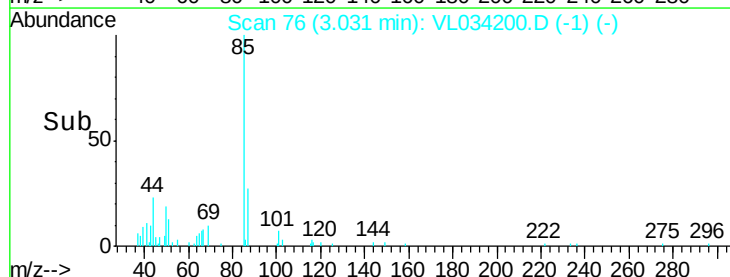
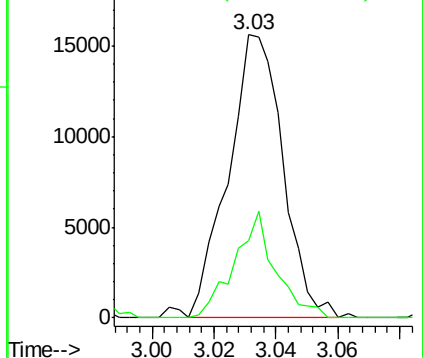
85 100

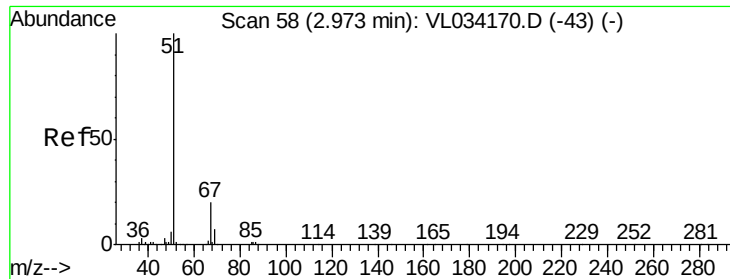
87 27.5 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.309 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.00 min

Lab File: VL034200.D

Acq: 24 Sep 2019 13:32

Instrument :

MSVOA_L

ClientSampled :

AIR-01

Tot Ion: 51 Resp: 167066

Ion Ratio Lower Upper

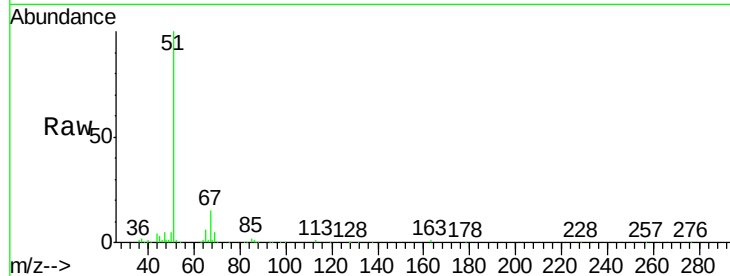
51 100

67 24.9 14.8 22.2#

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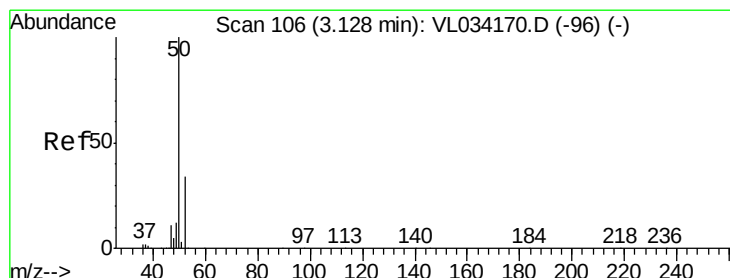
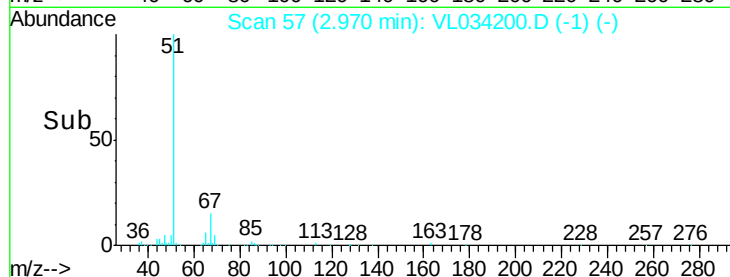
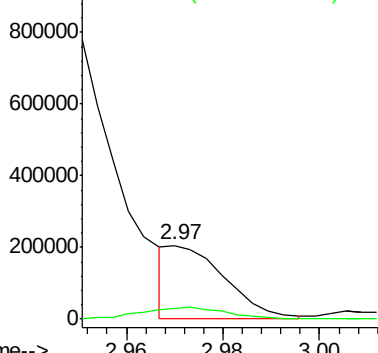
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.445 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL034200.D

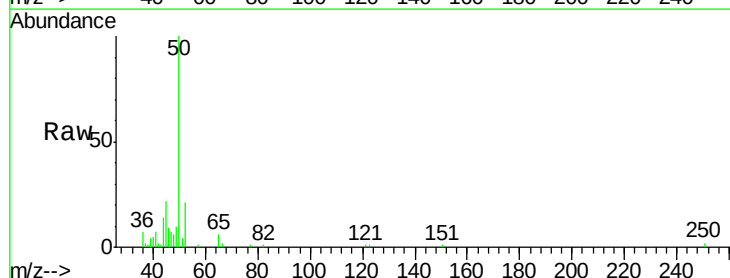
Acq: 24 Sep 2019 13:32

Tgt Ion: 50 Resp: 33388

Ion Ratio Lower Upper

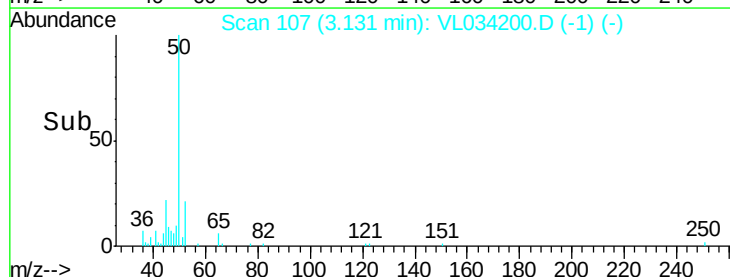
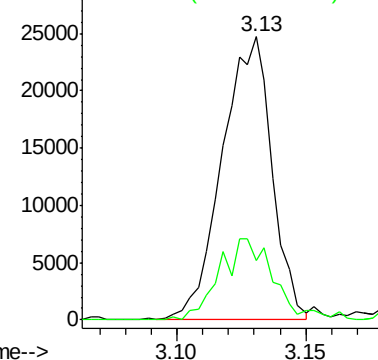
50 100

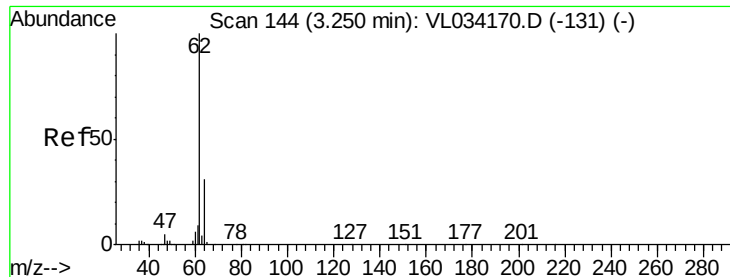
52 20.8 27.1 40.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.045 ppbv m

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL034200.D

Acq: 24 Sep 2019 13:32

Instrument :

MSVOA_L

ClientSampleId :

AIR-01

Tot Ion: 62 Resp: 3084

Ion Ratio Lower Upper

62 100

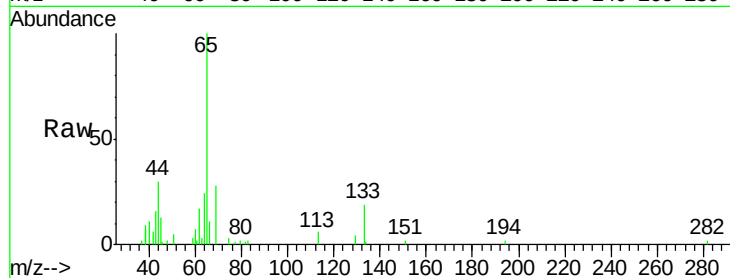
64 140.8 25.2 37.8#

Manual Integrations

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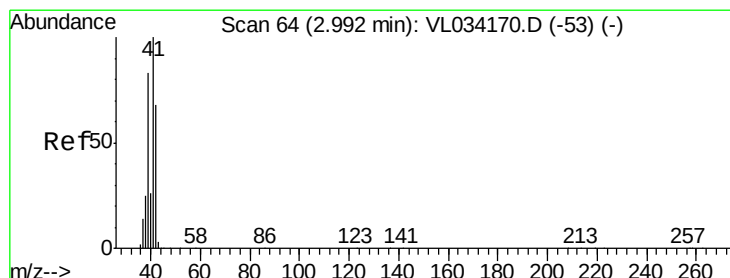
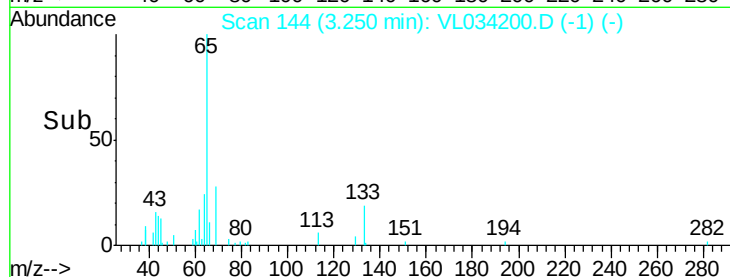
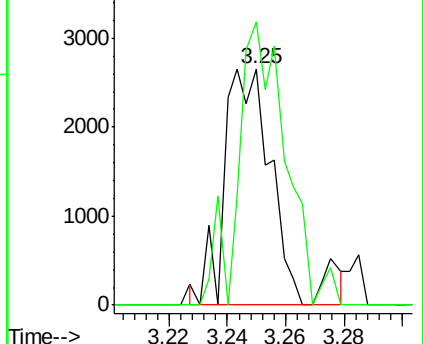
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#9

Propene

Concen: 1.242 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.01 min

Lab File: VL034200.D

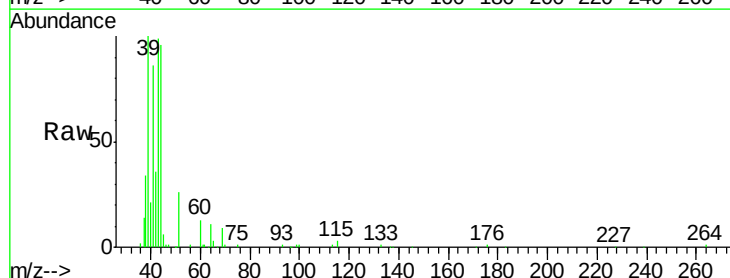
Acq: 24 Sep 2019 13:32

Tgt Ion: 41 Resp: 78201

Ion Ratio Lower Upper

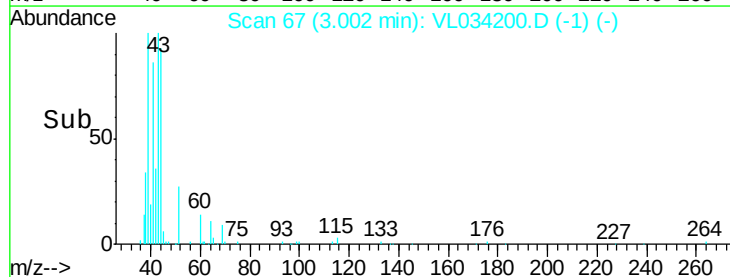
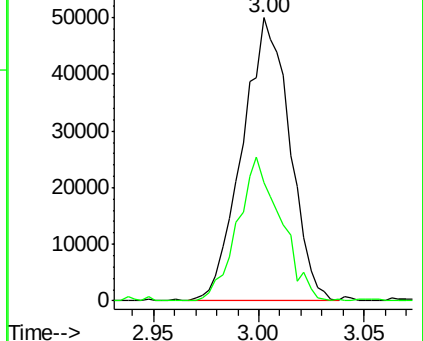
41 100

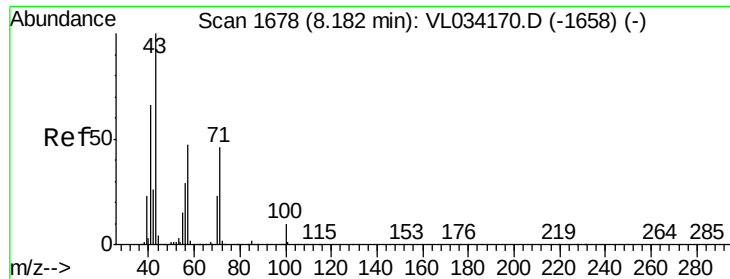
42 46.5 55.8 83.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





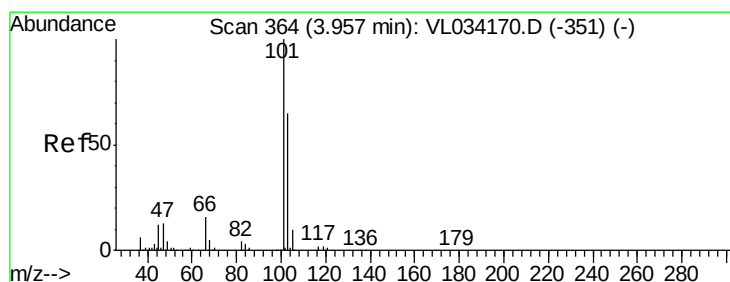
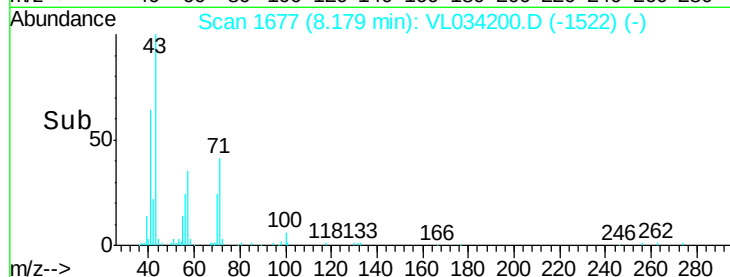
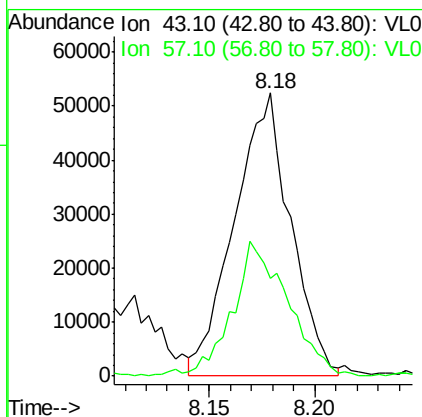
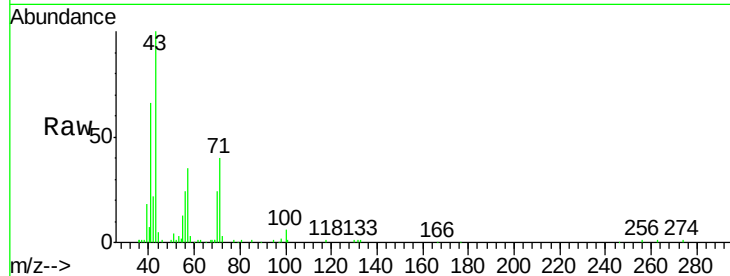
#10
 Heptane
 Concen: 0.589 ppbv
 RT: 8.18 min Scan# 1677
 Delta R.T. -0.00 min
 Lab File: VL034200.D
 Acq: 24 Sep 2019 13:32

Instrument :
 MSVOA_L
 ClientSampled :
 AIR-01

Tot Ion: 43 Resp: 96638
 Ion Ratio Lower Upper
 43 100
 57 47.4 37.5 56.3

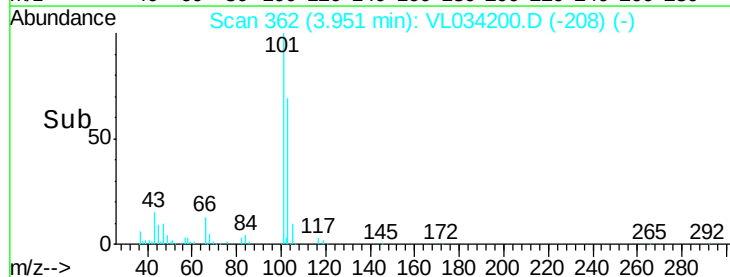
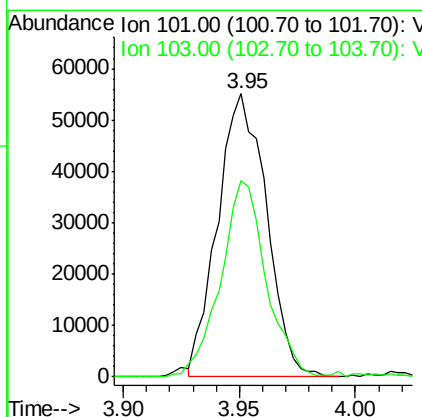
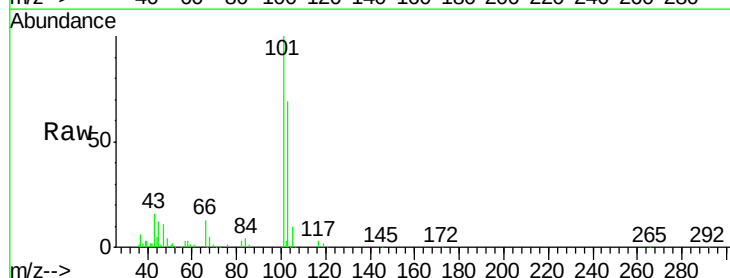
Manual Integrations
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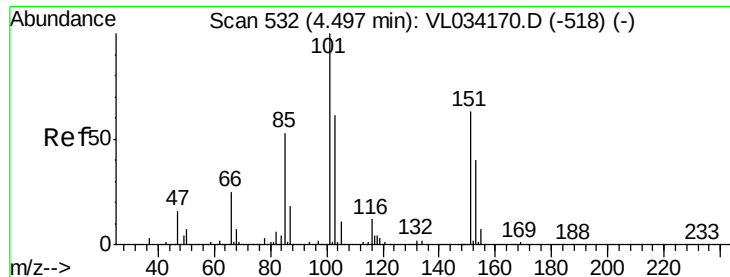
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#11
 Trichlorofluoromethane
 Concen: 0.551 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL034200.D
 Acq: 24 Sep 2019 13:32

Tgt Ion: 101 Resp: 80620
 Ion Ratio Lower Upper
 101 100
 103 67.6 52.1 78.1





#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.141 ppbv

RT: 4.49 min Scan# 531

Delta R.T. -0.00 min

Lab File: VL034200.D

Acq: 24 Sep 2019 13:32

Instrument :

MSVOA_L

ClientSampled :

AIR-01

Tot Ion:101 Resp: 13503

Ion Ratio Lower Upper

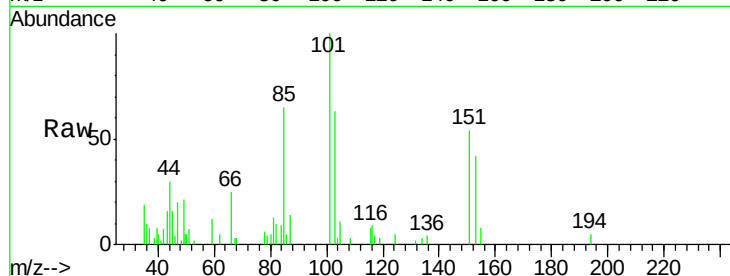
101 100

151 76.9 51.8 77.8

Manual Integrations
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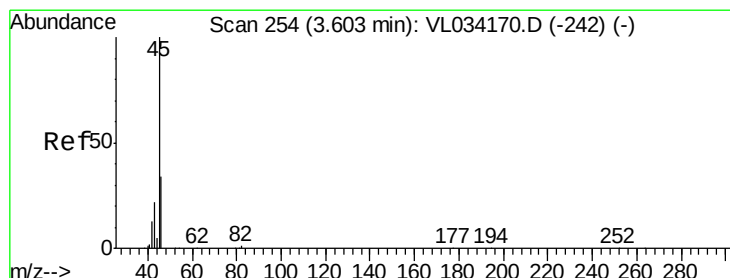
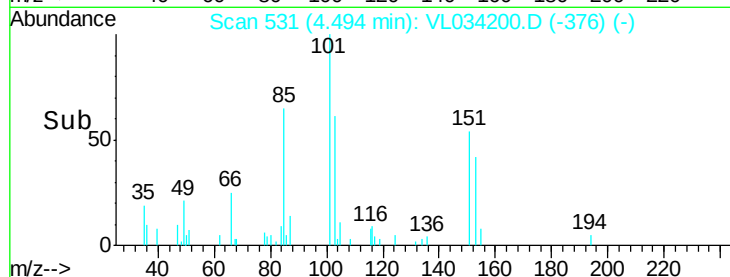


Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.49

Time-->



#13

Ethanol

Concen: 112.959 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL034200.D

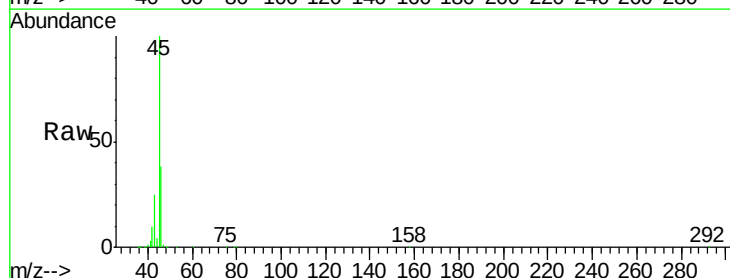
Acq: 24 Sep 2019 13:32

Tgt Ion: 45 Resp: 1722226

Ion Ratio Lower Upper

45 100

46 38.3 15.5 61.9

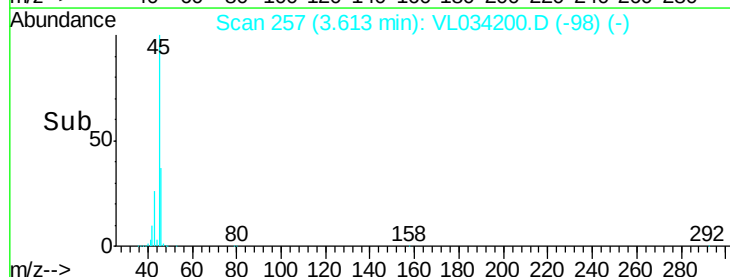


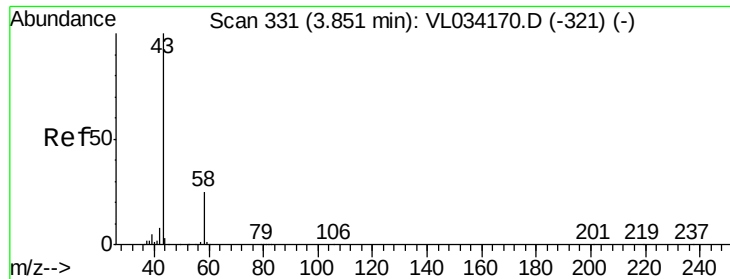
Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

3.61

Time-->





#15

Acetone

Concen: 23.883 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL034200.D

Acq: 24 Sep 2019 13:32

Instrument :

MSVOA_L

ClientSampleId :

AIR-01

Tot Ion: 43 Resp: 3484041

Ion Ratio Lower Upper

43 100

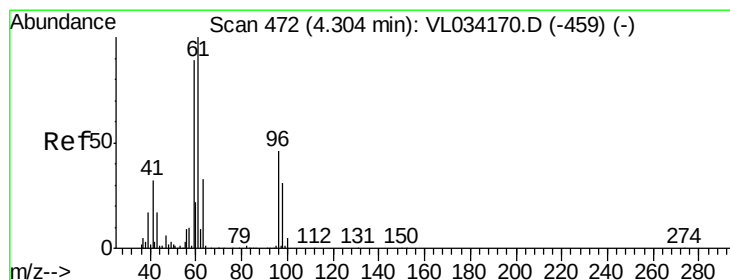
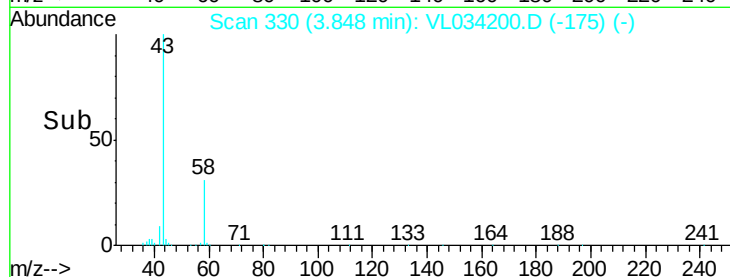
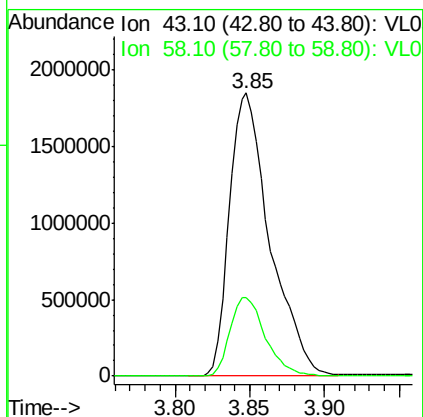
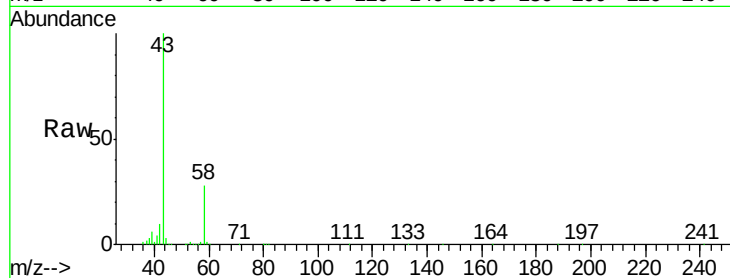
58 24.5 20.5 30.7

Manual Integrations

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#17

tert-Butyl alcohol

Concen: 5.867 ppbv

RT: 4.31 min Scan# 475

Delta R.T. 0.01 min

Lab File: VL034200.D

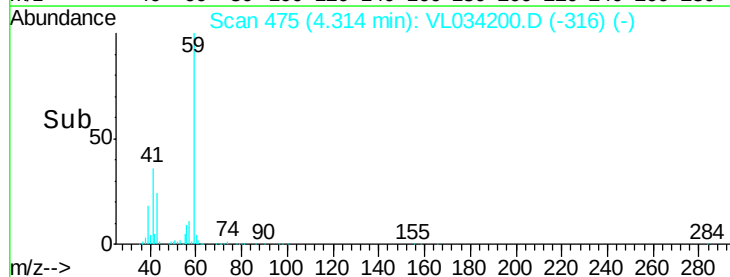
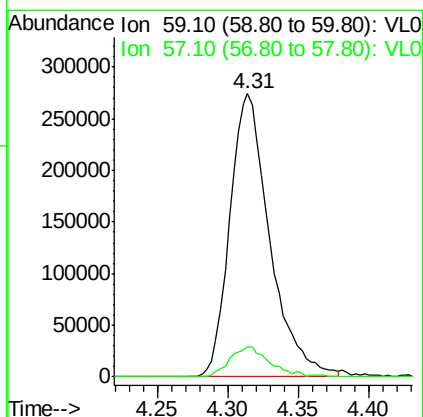
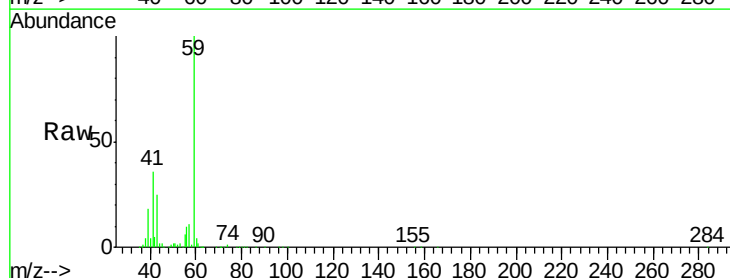
Acq: 24 Sep 2019 13:32

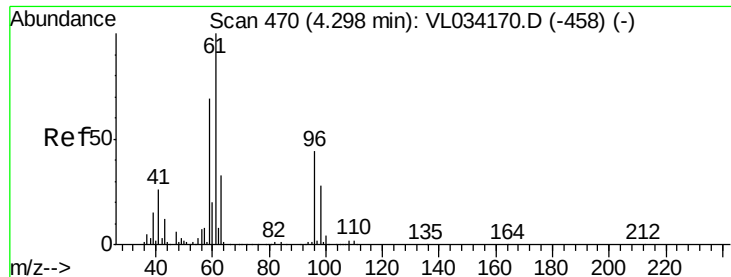
Tgt Ion: 59 Resp: 542321

Ion Ratio Lower Upper

59 100

57 11.0 8.7 13.1





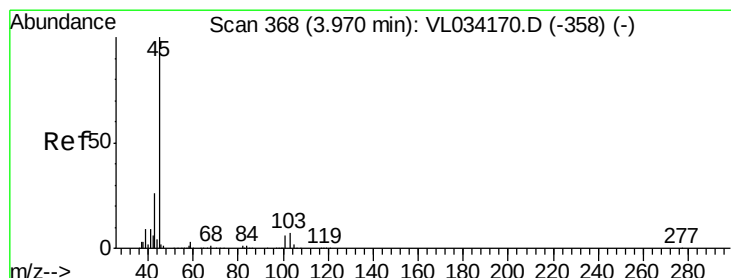
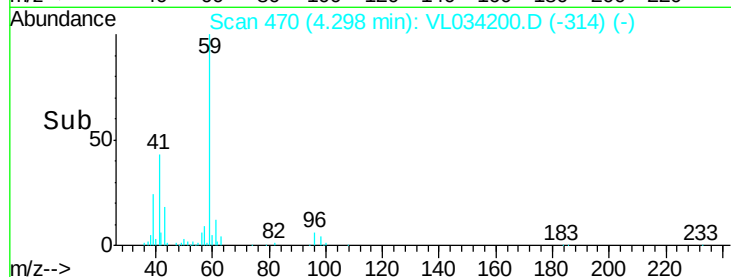
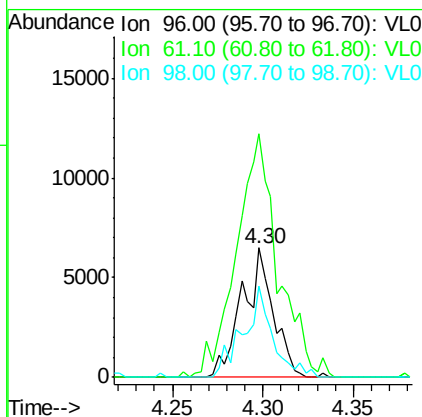
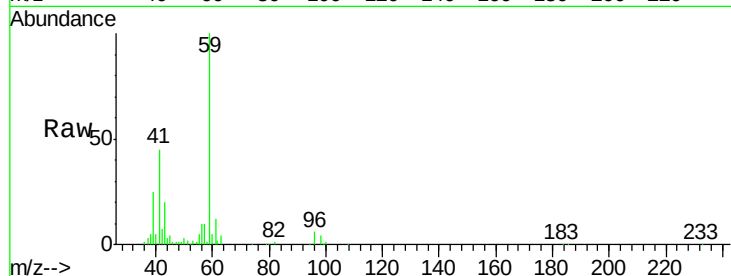
#18
 1,1-Dichloroethene
 Concen: 0.188 ppbv
 RT: 4.30 min Scan# 470
 Delta R.T. 0.00 min
 Lab File: VL034200.D
 Acq: 24 Sep 2019 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01

Tot Ion	Ratio	Lower	Upper
96	100		
61	188.2	183.3	274.9
98	70.2	51.4	77.2

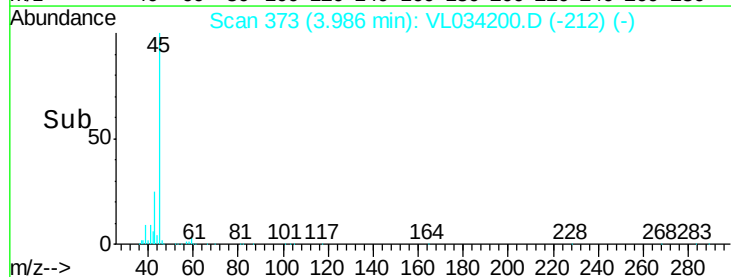
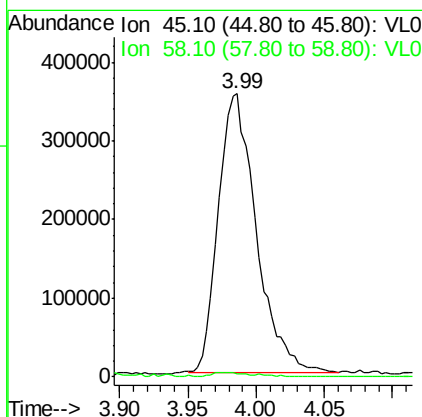
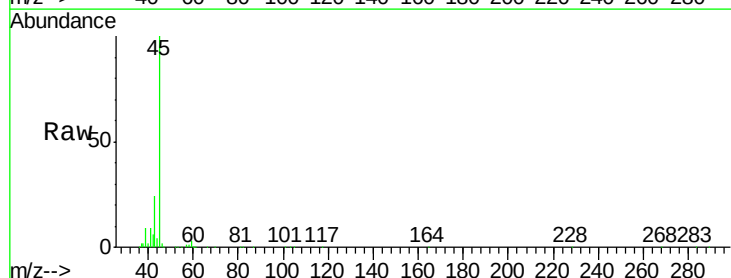
Manual Integrations
 APPROVED

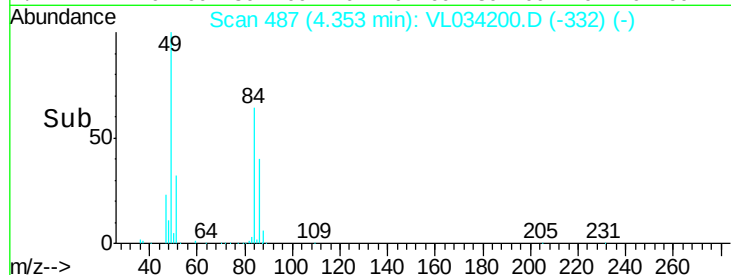
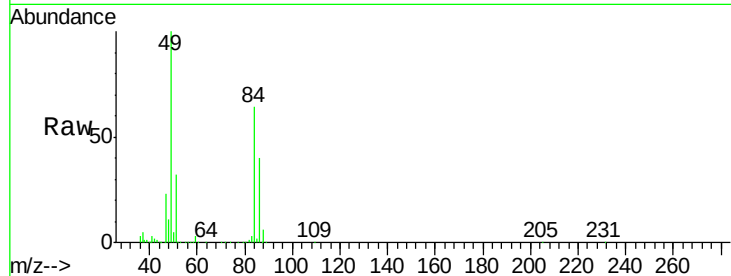
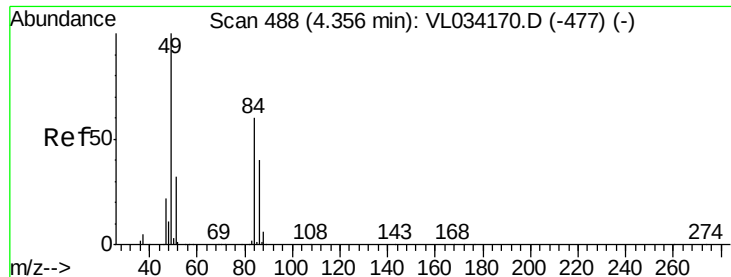
MMDadoda
 9/26/2019 12:39:32 AM



#19
 Isopropyl Alcohol
 Concen: 7.661 ppbv
 RT: 3.99 min Scan# 373
 Delta R.T. 0.02 min
 Lab File: VL034200.D
 Acq: 24 Sep 2019 13:32

Tgt Ion	Ratio	Lower	Upper
45	100		
58	123.7	1.4	2.0#





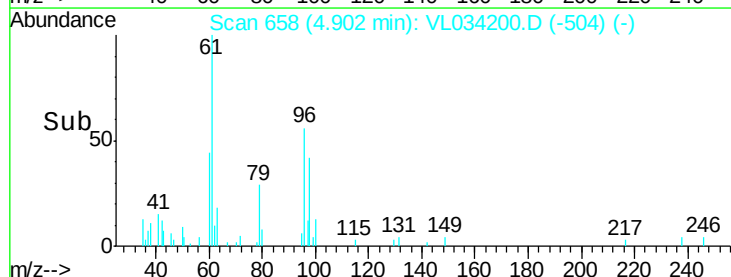
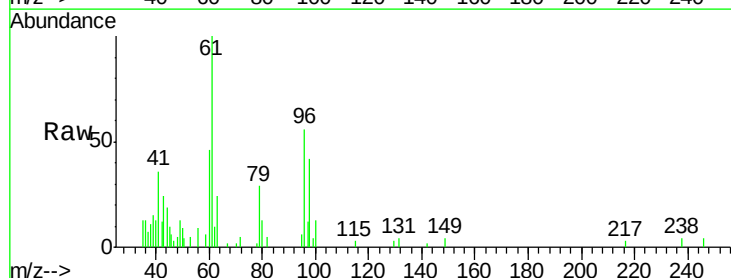
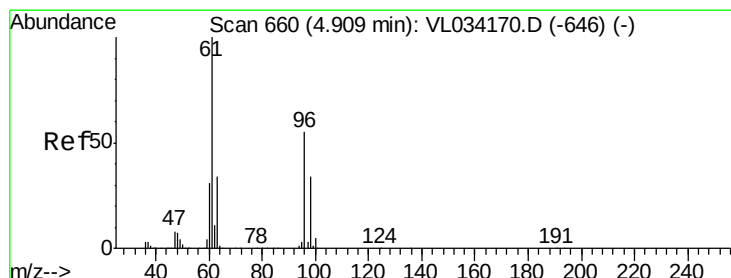
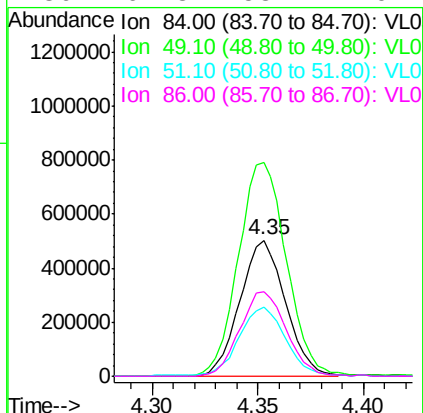
#20
Methvlene Chloride
Concen: 17.978 ppbv
RT: 4.35 min Scan# 487
Delta R.T. -0.00 min
Lab File: VL034200.D
Acq: 24 Sep 2019 13:32

Tot Ion	84	Resp	756132
Ion	Ratio	Lower	Upper
84	100		
49	156.6	133.8	200.8
51	49.8	43.6	65.4
86	62.3	53.1	79.7

Instrument :
MSVOA_L
ClientSampleId :
AIR-01

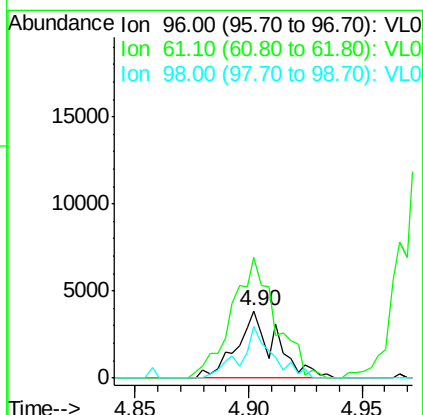
Manual Integrations
APPROVED

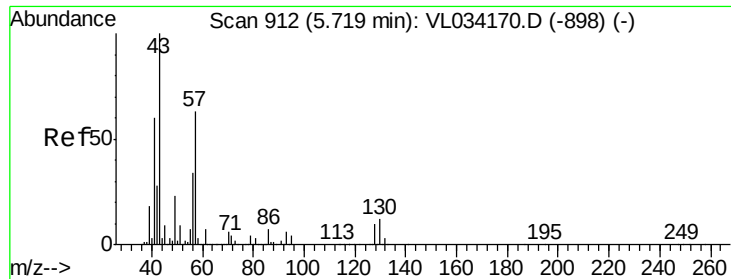
MMDadoda
9/26/2019 12:39:32 AM



#22
trans-1,2-Dichloroethene
Concen: 0.111 ppbv m
RT: 4.90 min Scan# 658
Delta R.T. -0.01 min
Lab File: VL034200.D
Acq: 24 Sep 2019 13:32

Tgt Ion	96	Resp	4623
Ion	Ratio	Lower	Upper
96	100		
61	179.0	145.5	218.3
98	76.0	49.9	74.9#





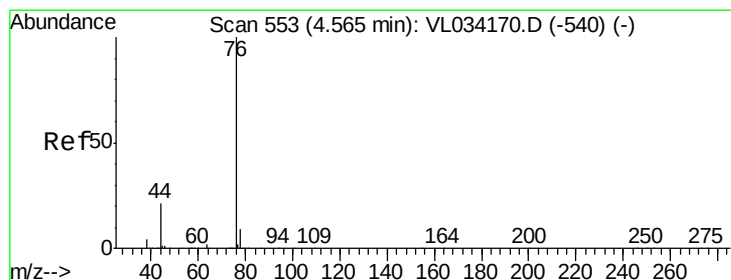
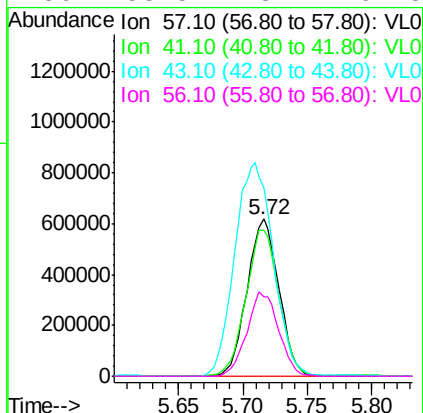
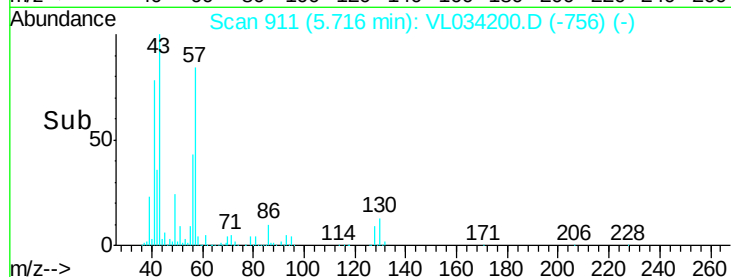
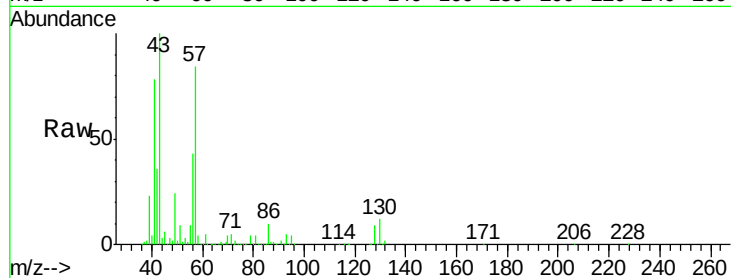
#26
Hexane
Concen: 9.272 ppbv
RT: 5.72 min Scan# 911
Delta R.T. -0.00 min
Lab File: VL034200.D
Acq: 24 Sep 2019 13:32

Instrument :
MSVOA_L
ClientSampled :
AIR-01

Tot Ion: 57 Resp: 1063983
Ion Ratio Lower Upper
57 100
41 96.6 78.5 117.7
43 165.8 189.5 284.3#
56 53.5 43.2 64.8

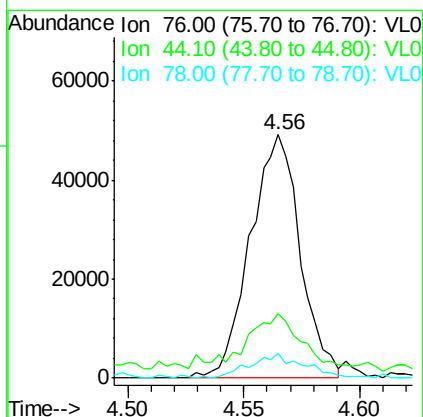
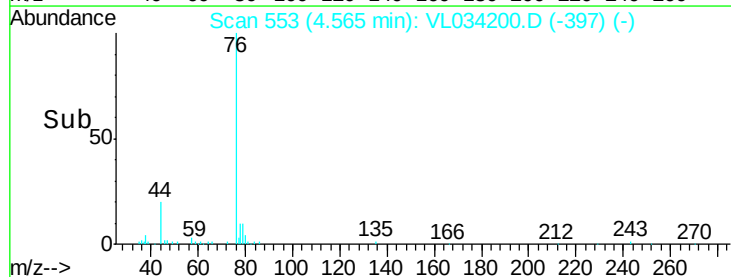
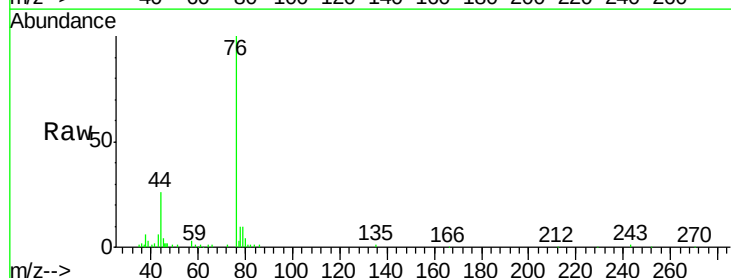
Manual Integrations
APPROVED

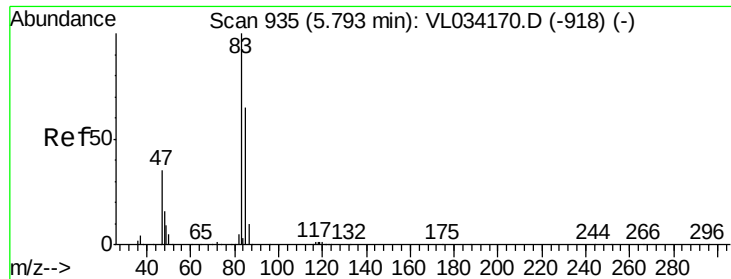
MMDadoda
9/26/2019 12:39:32 AM



#27
Carbon Disulfide
Concen: 0.693 ppbv
RT: 4.56 min Scan# 553
Delta R.T. 0.00 min
Lab File: VL034200.D
Acq: 24 Sep 2019 13:32

Tgt Ion: 76 Resp: 73387
Ion Ratio Lower Upper
76 100
44 28.5 17.6 26.4#
78 13.1 7.6 11.4#





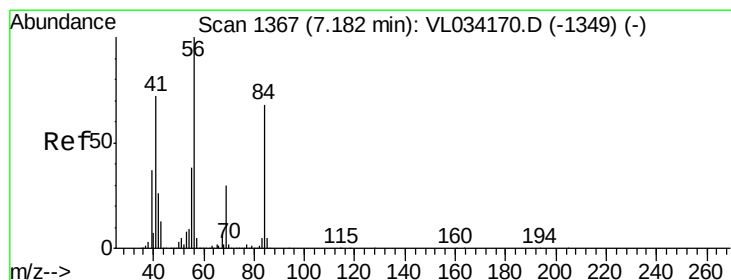
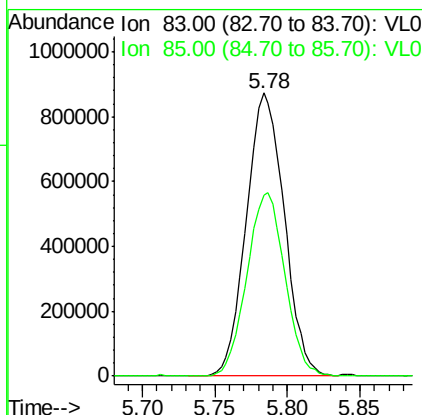
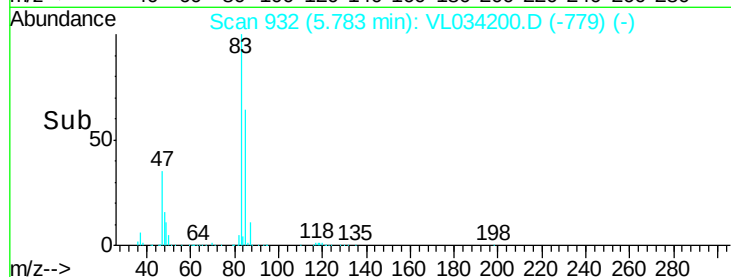
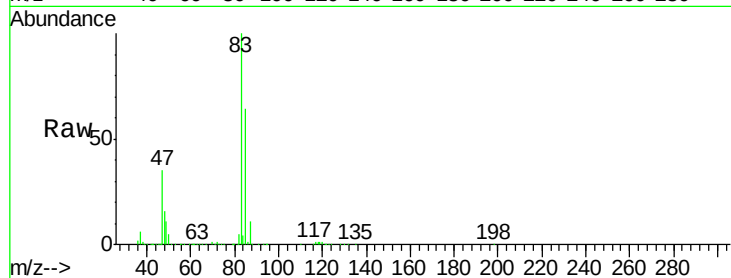
#29
Chloroform
Concen: 9.719 ppbv
RT: 5.78 min Scan# 932
Delta R.T. -0.01 min
Lab File: VL034200.D
Acq: 24 Sep 2019 13:32

Instrument :
MSVOA_L
ClientSampled :
AIR-01

Tot Ion: 83 Resp: 1593654
Ion Ratio Lower Upper
83 100
85 63.7 52.3 78.5

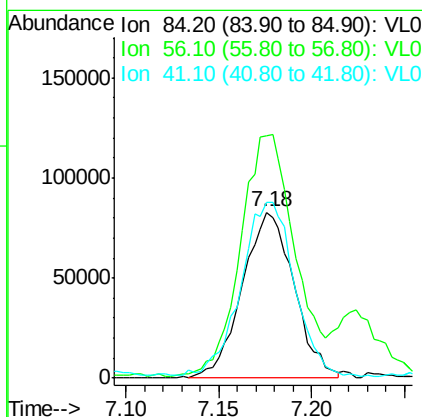
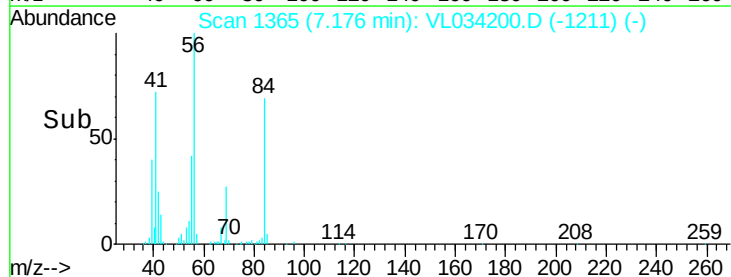
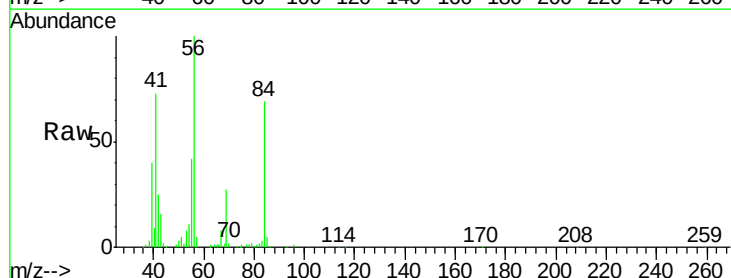
Manual Integrations
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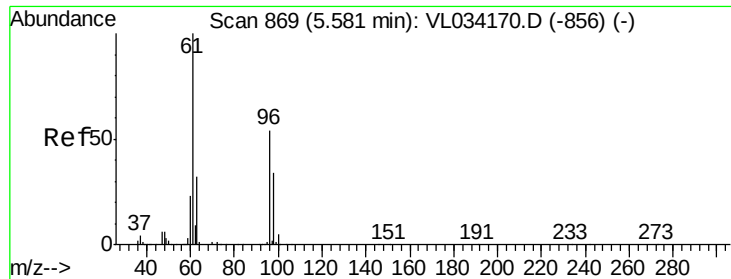
MMDadoda
9/26/2019 12:39:32 AM



#30
Cyclohexane
Concen: 1.943 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034200.D
Acq: 24 Sep 2019 13:32

Tgt Ion: 84 Resp: 160959
Ion Ratio Lower Upper
84 100
56 186.3 126.2 189.2
41 110.8 85.8 128.8





#31

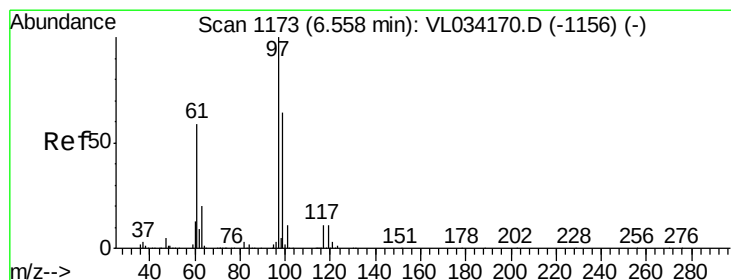
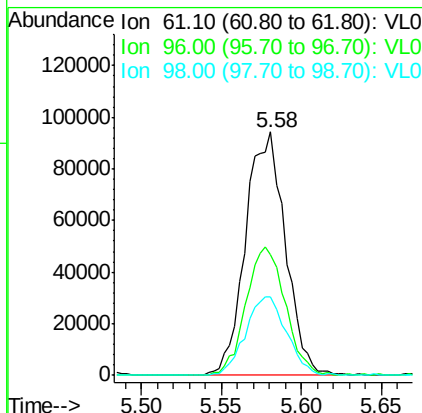
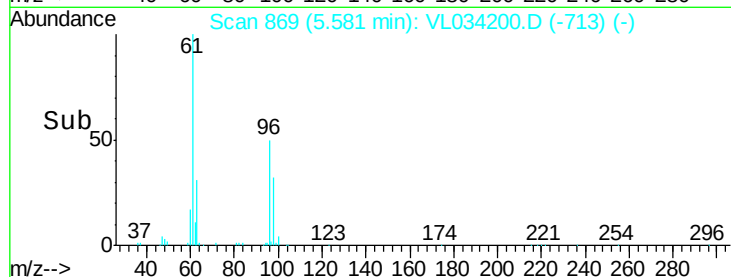
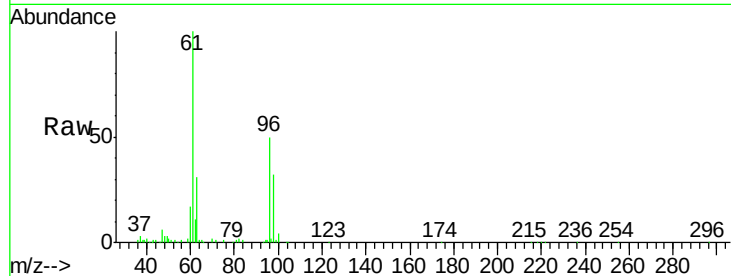
cis-1,2-Dichloroethene
 Concen: 1.363 ppbv m
 RT: 5.58 min Scan# 869
 Delta R.T. 0.00 min
 Lab File: VL034200.D
 Acq: 24 Sep 2019 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01

Tot Ion:	61	Resp:	159424
Ion	Ratio	Lower	Upper
61	100		
96	49.7	43.0	64.4
98	32.3	27.2	40.8

Manual Integrations
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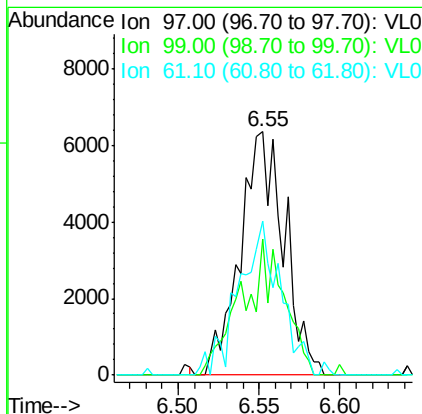
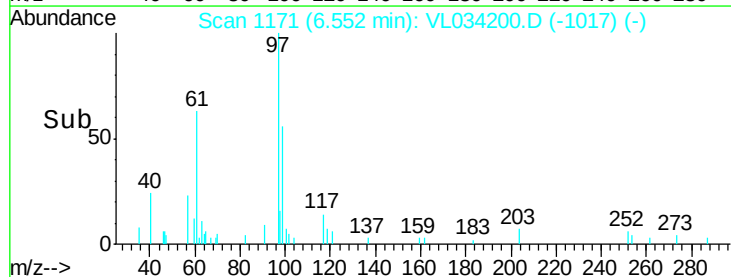
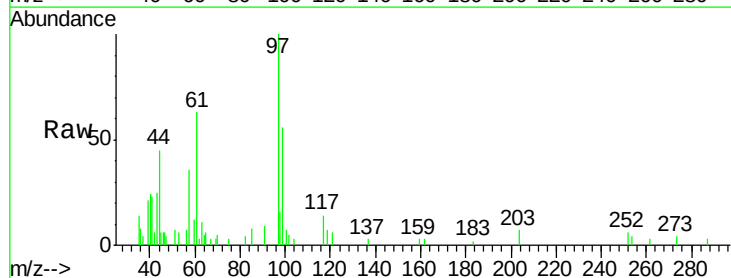
MMDadoda
 9/26/2019 12:39:32 AM

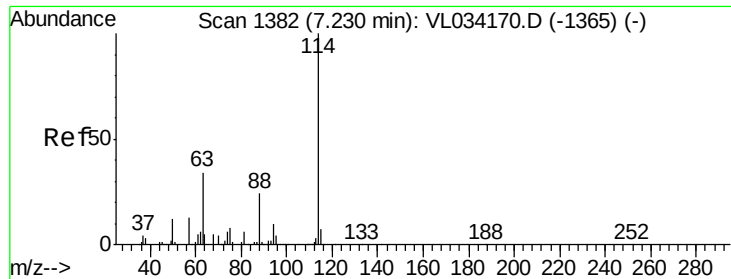


#32

1,1,1-Trichloroethane
 Concen: 0.075 ppbv m
 RT: 6.55 min Scan# 1171
 Delta R.T. -0.01 min
 Lab File: VL034200.D
 Acq: 24 Sep 2019 13:32

Tgt Ion:	97	Resp:	11891
Ion	Ratio	Lower	Upper
97	100		
99	54.8	51.4	77.2
61	60.8	48.4	72.6





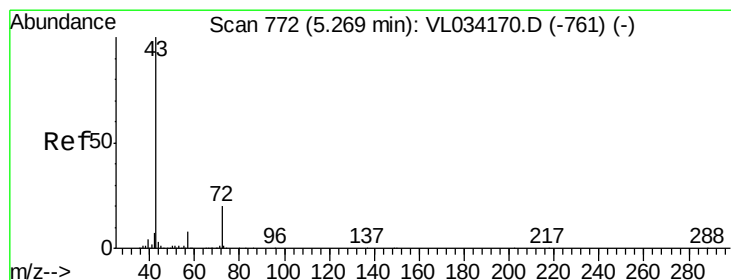
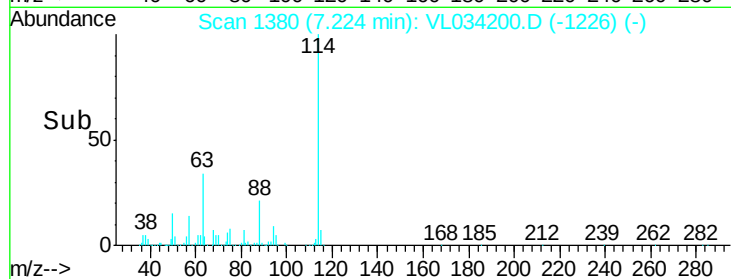
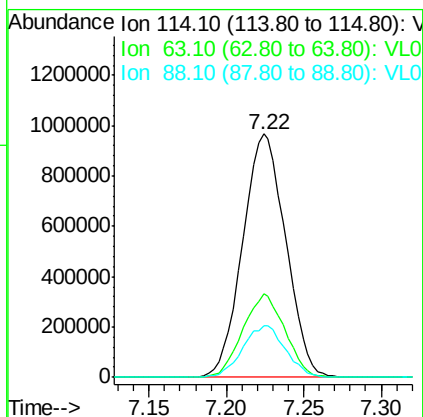
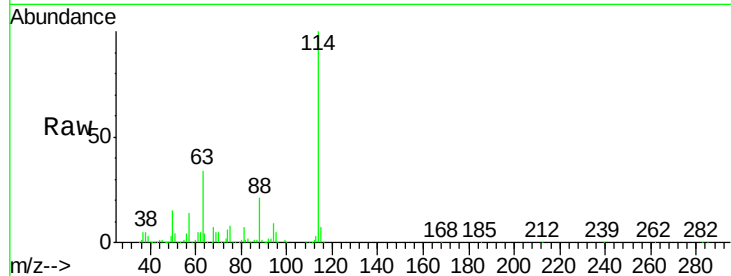
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: VL034200.D
 Acq: 24 Sep 2019 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01

Tot Ion	Ratio	Lower	Upper
114	100		
63	33.8	27.8	41.6
88	21.2	17.1	25.7

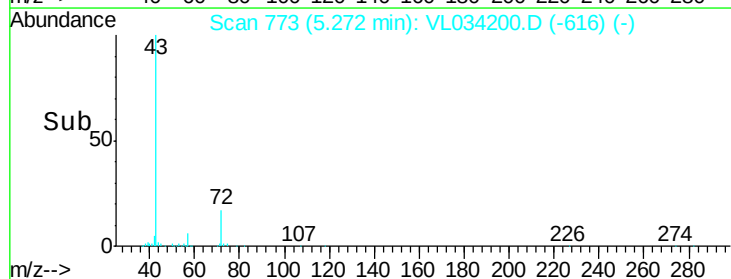
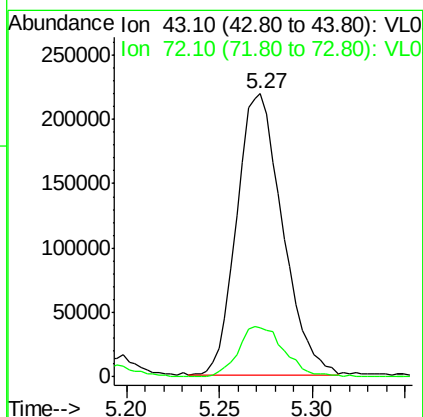
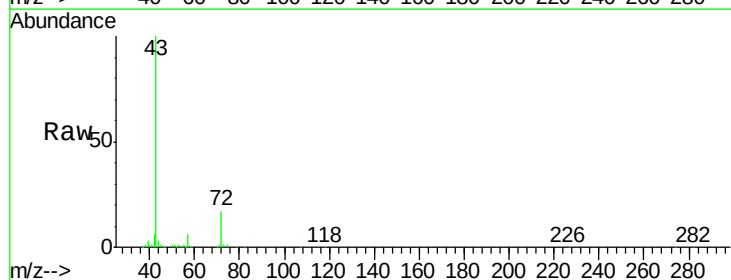
Manual Integrations
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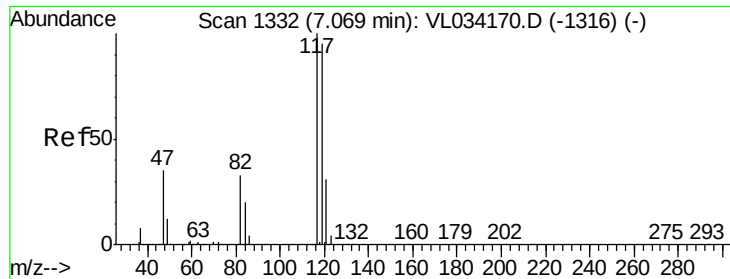
MMDadoda
 9/26/2019 12:39:32 AM



#34
 2-Butanone
 Concen: 1.968 ppbv
 RT: 5.27 min Scan# 773
 Delta R.T. 0.00 min
 Lab File: VL034200.D
 Acq: 24 Sep 2019 13:32

Tgt Ion	Ratio	Lower	Upper
43	100		
72	17.8	15.0	22.6





#35

Carbon Tetrachloride

Concen: 0.114 ppbv

RT: 7.06 min Scan# 1330

Delta R.T. -0.01 min

Lab File: VL034200.D

Acq: 24 Sep 2019 13:32

Instrument :

MSVOA_L

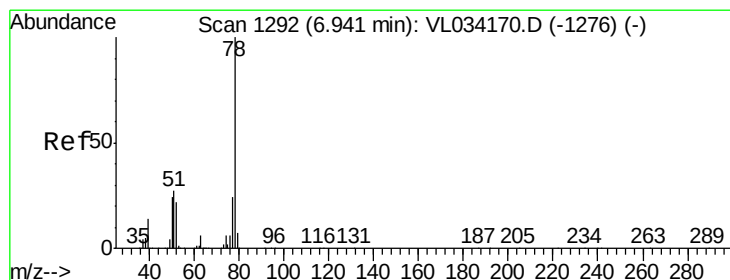
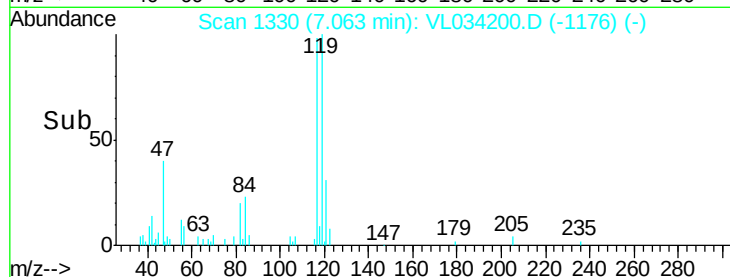
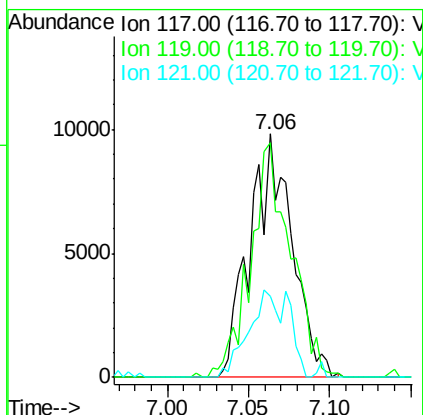
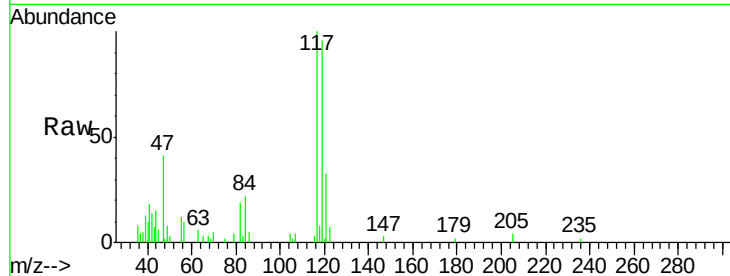
ClientSampled :

AIR-01

Tot Ion:	117	Resp:	17656
Ion Ratio	Lower	Upper	
117	100		
119	96.3	75.8	113.6
121	33.2	25.0	37.6

Manual Integrations
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MMDadoda
9/26/2019 12:39:32 AM



#36

Benzene

Concen: 0.228 ppbv

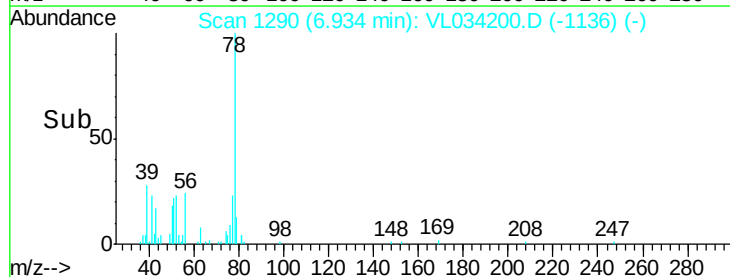
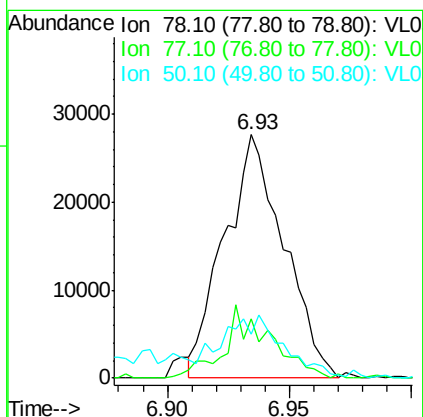
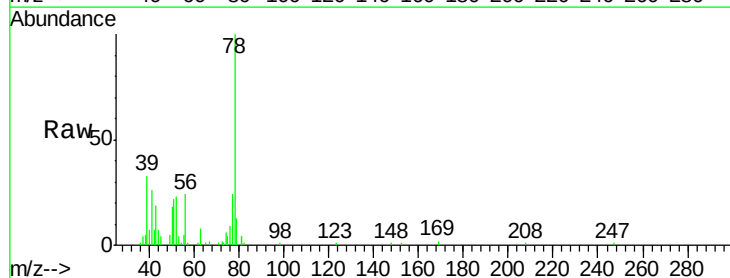
RT: 6.93 min Scan# 1290

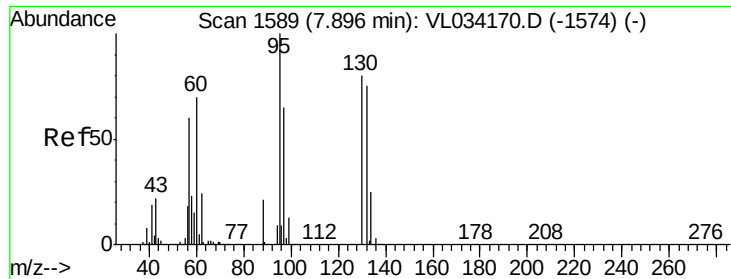
Delta R.T. -0.01 min

Lab File: VL034200.D

Acq: 24 Sep 2019 13:32

Tgt Ion:	78	Resp:	47010
Ion Ratio	Lower	Upper	
78	100		
77	22.6	19.0	28.4
50	16.9	18.9	28.3#





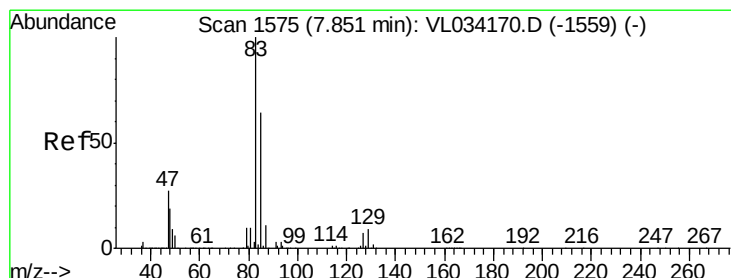
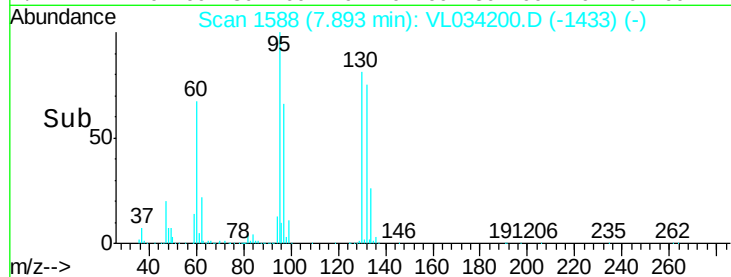
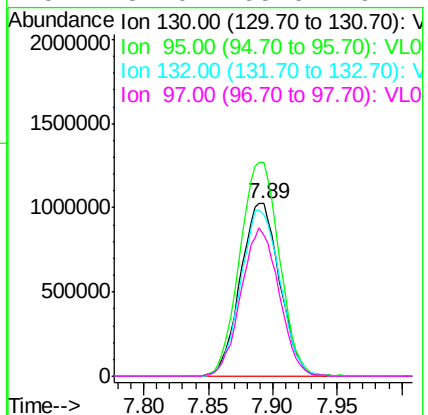
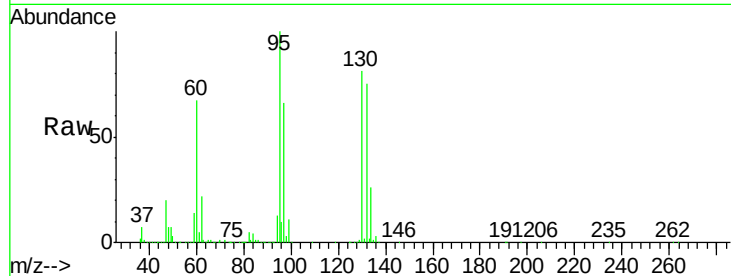
#38
 Trichloroethene
 Concen: 29.444 ppbv
 RT: 7.89 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VL034200.D
 Acq: 24 Sep 2019 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01

Tot Ion	Ratio	Lower	Upper
130	100		
95	123.7	99.8	149.6
132	93.2	75.2	112.8
97	82.0	65.0	97.4

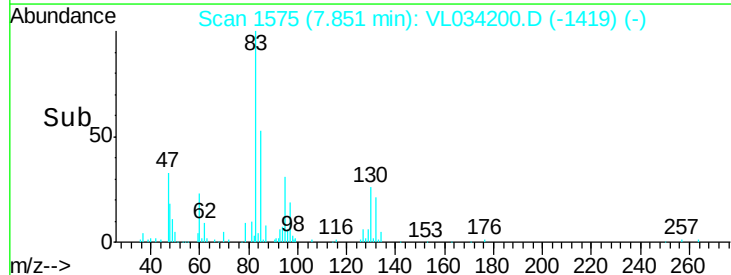
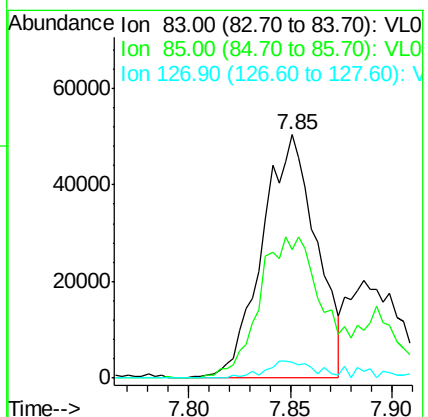
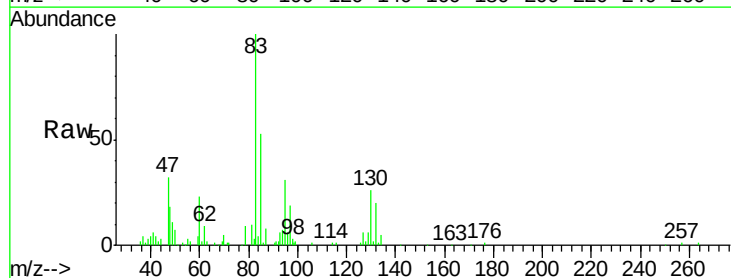
Manual Integrations
 APPROVED

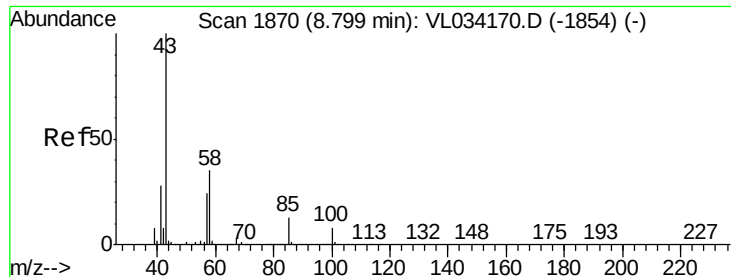
MMDadoda
 9/26/2019 12:39:32 AM



#42
 Bromodichloromethane
 Concen: 0.528 ppbv m
 RT: 7.85 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VL034200.D
 Acq: 24 Sep 2019 13:32

Tgt Ion	Ratio	Lower	Upper
83	100		
85	53.0	51.4	77.0
127	6.3	5.5	8.3





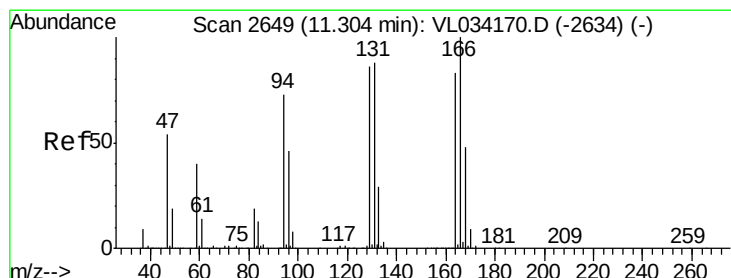
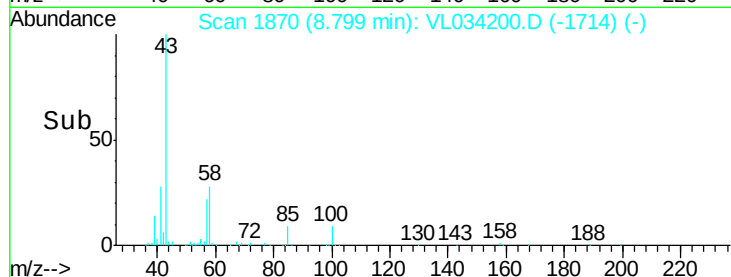
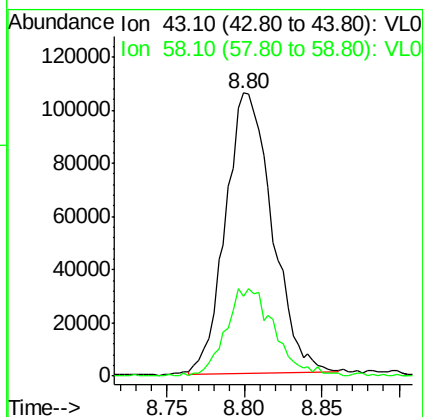
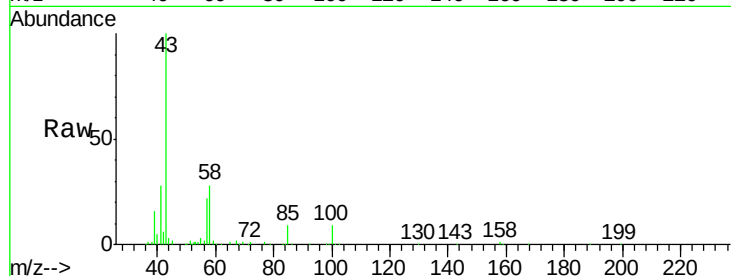
#50
4-Methyl-2-Pentanone
Concen: 0.799 ppbv
RT: 8.80 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VL034200.D
Acq: 24 Sep 2019 13:32

Instrument :
MSVOA_L
ClientSampleId :
AIR-01

Tot Ion	Ratio	Lower	Upper
43	100		
58	32.9	27.6	41.4

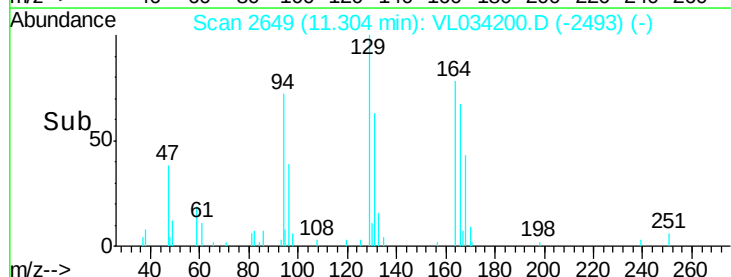
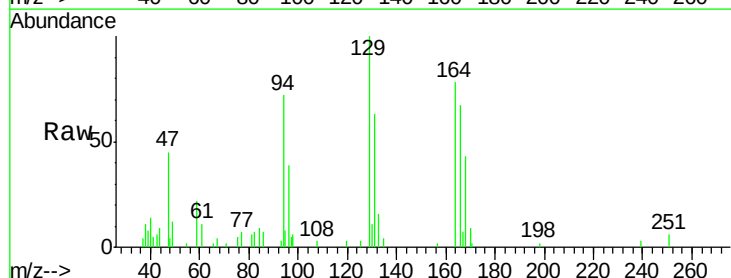
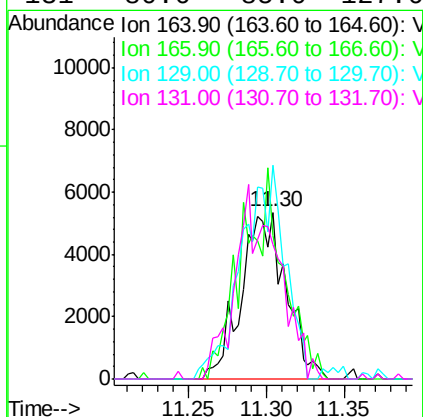
Manual Integrations
APPROVED

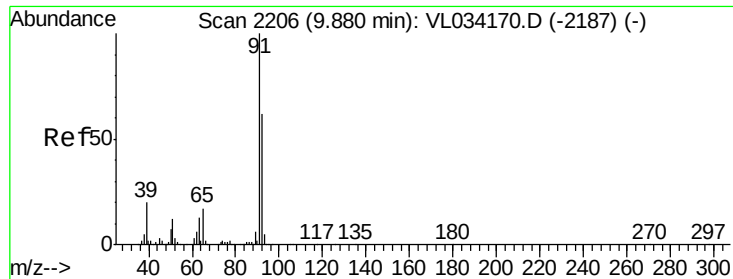
MMDadoda
9/26/2019 12:39:32 AM



#52
Tetrachloroethene
Concen: 0.157 ppbv m
RT: 11.30 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VL034200.D
Acq: 24 Sep 2019 13:32

Tgt Ion	Ratio	Lower	Upper
164	100		
166	85.7	96.7	145.1#
129	128.0	82.8	124.2#
131	80.6	85.0	127.6#





#53

Toluene

Concen: 13.211 ppbv

RT: 9.87 min Scan# 2204

Delta R.T. -0.01 min

Lab File: VL034200.D

Acq: 24 Sep 2019 13:32

Instrument :

MSVOA_L

ClientSampleId :

AIR-01

Tot Ion: 91 Resp: 2980967

Ion Ratio Lower Upper

91 100

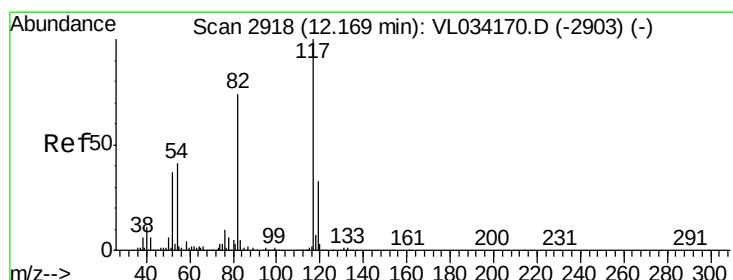
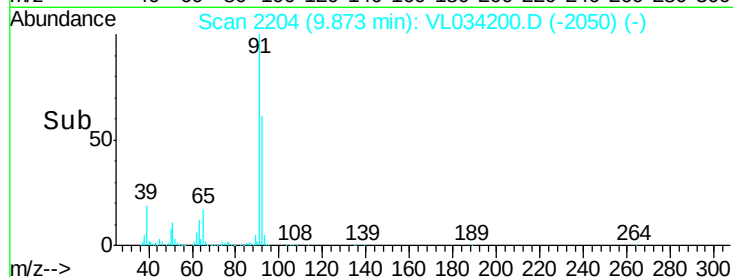
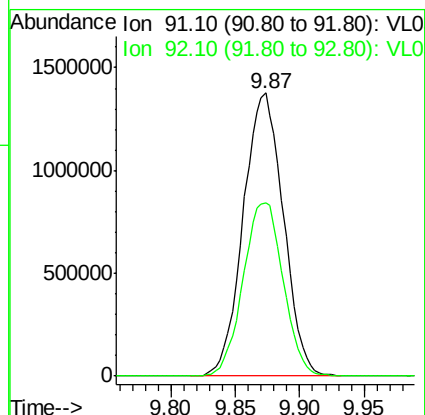
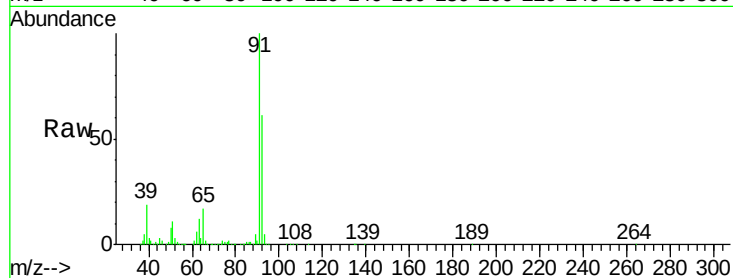
92 61.3 49.0 73.6

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.17 min Scan# 2917

Delta R.T. -0.00 min

Lab File: VL034200.D

Acq: 24 Sep 2019 13:32

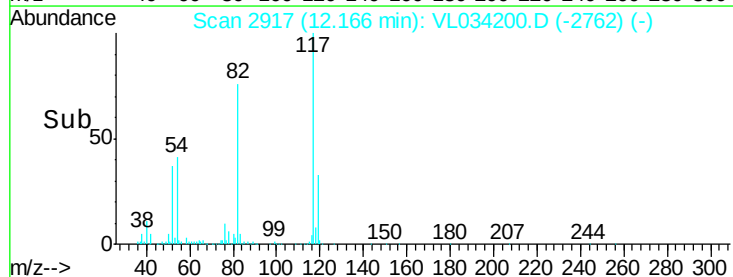
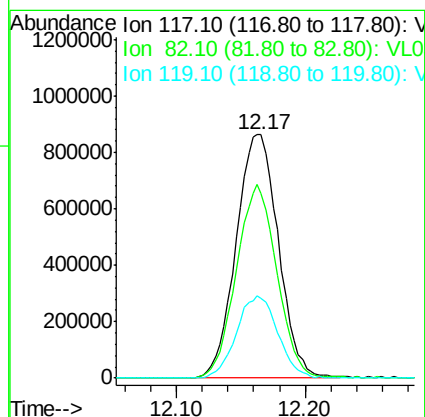
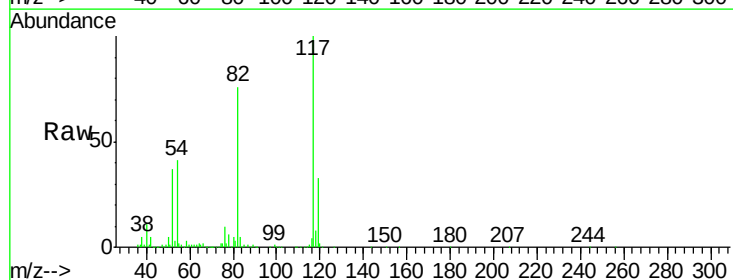
Tgt Ion: 117 Resp: 1962206

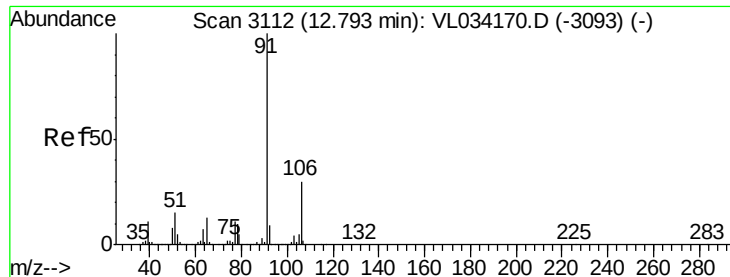
Ion Ratio Lower Upper

117 100

82 76.7 58.2 87.4

119 33.5 23.7 35.5





#58

Ethyl Benzene

Concen: 0.674 ppbv

RT: 12.79 min Scan# 3110

Delta R.T. -0.01 min

Lab File: VL034200.D

Acq: 24 Sep 2019 13:32

Instrument :

MSVOA_L

ClientSampled :

AIR-01

Tot Ion: 91 Resp: 213407

Ion Ratio Lower Upper

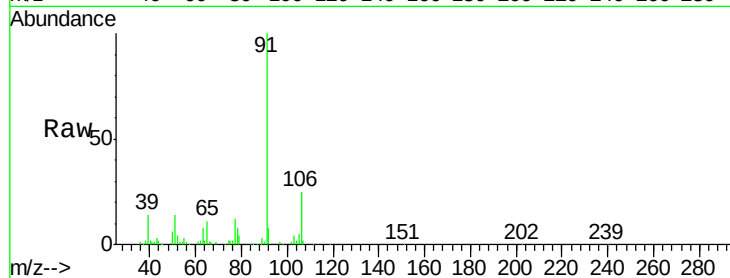
91 100

106 24.5 24.2 36.4

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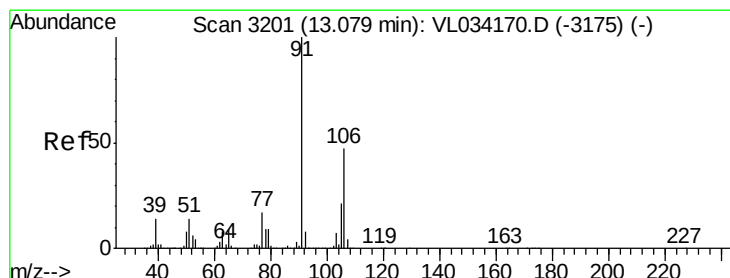
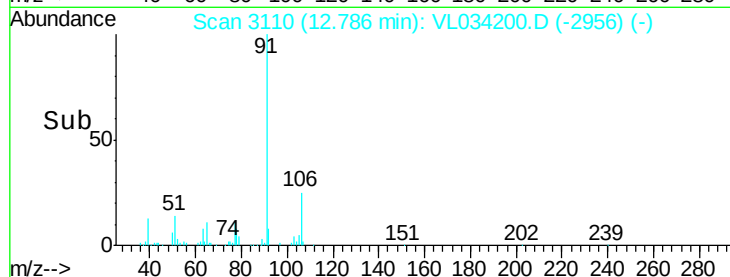
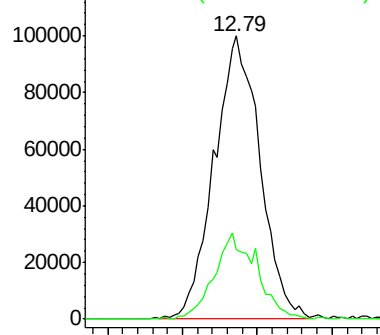
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 1.693 ppbv m

RT: 13.04 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VL034200.D

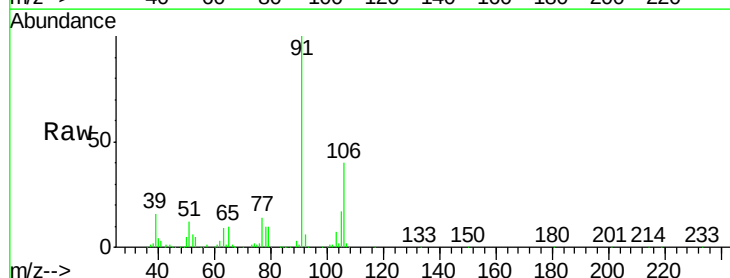
Acq: 24 Sep 2019 13:32

Tgt Ion: 91 Resp: 443882

Ion Ratio Lower Upper

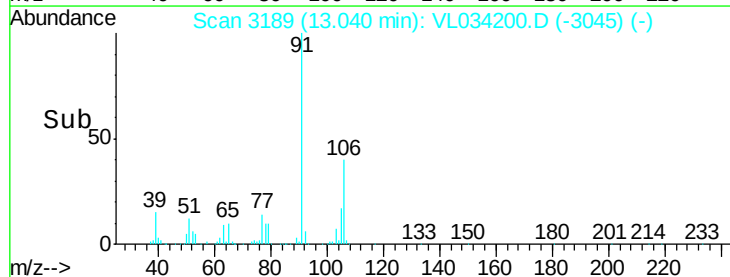
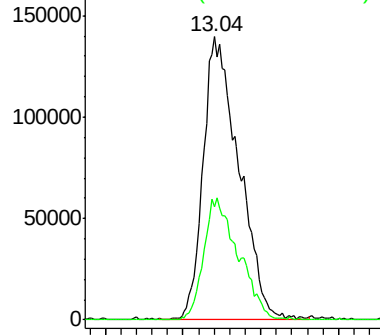
91 100

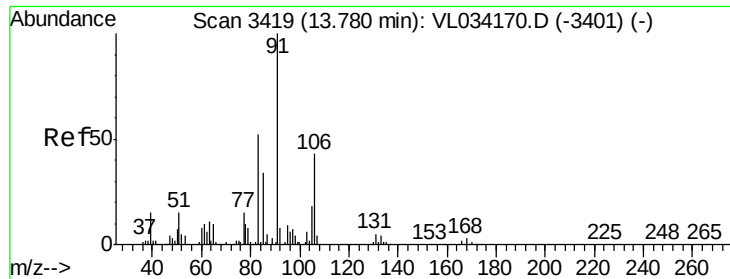
106 0.0 35.5 53.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#60

o-Xylene

Concen: 0.608 ppbv

RT: 13.77 min Scan# 3415

Delta R.T. -0.01 min

Lab File: VL034200.D

Acq: 24 Sep 2019 13:32

Instrument :

MSVOA_L

ClientSampled :

AIR-01

Tot Ion: 91 Resp: 159372

Ion Ratio Lower Upper

91 100

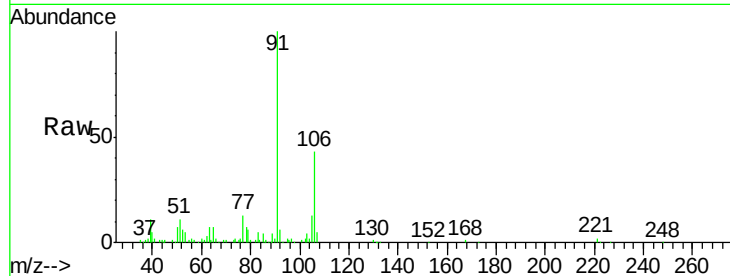
106 40.9 21.2 63.6

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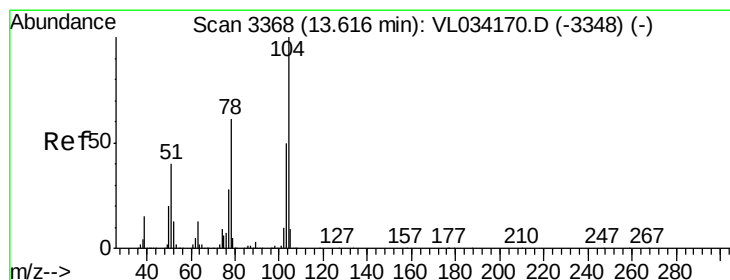
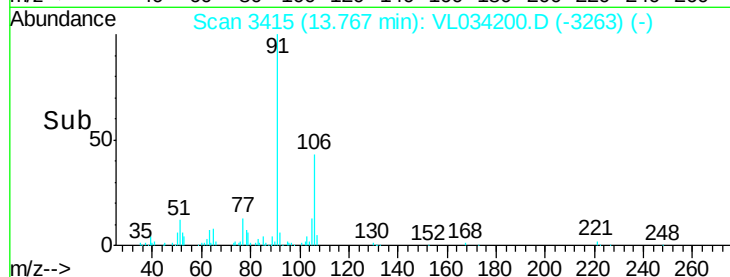
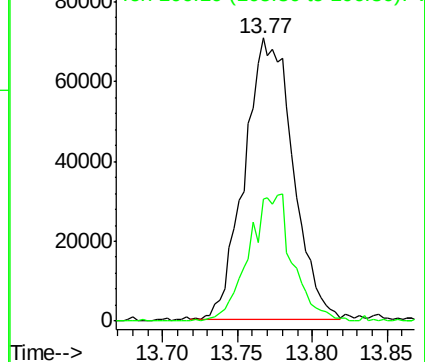
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#61

Styrene

Concen: 0.570 ppbv

RT: 13.60 min Scan# 3364

Delta R.T. -0.01 min

Lab File: VL034200.D

Acq: 24 Sep 2019 13:32

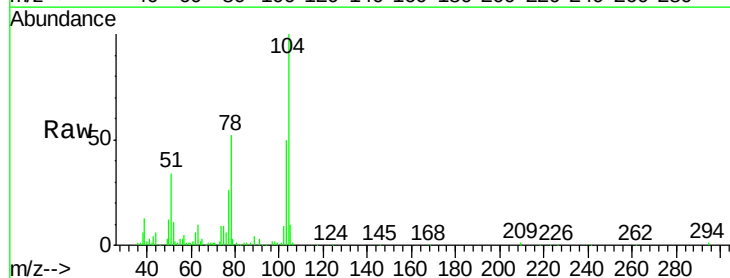
Tgt Ion: 104 Resp: 107075

Ion Ratio Lower Upper

104 100

78 63.8 49.7 74.5

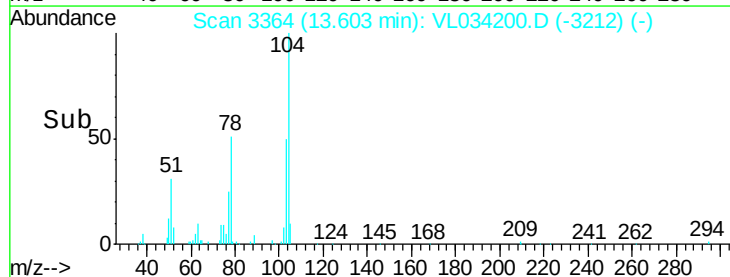
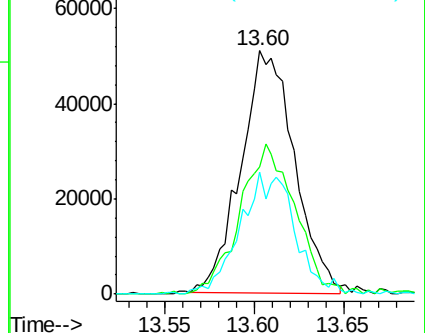
103 51.3 38.4 57.6

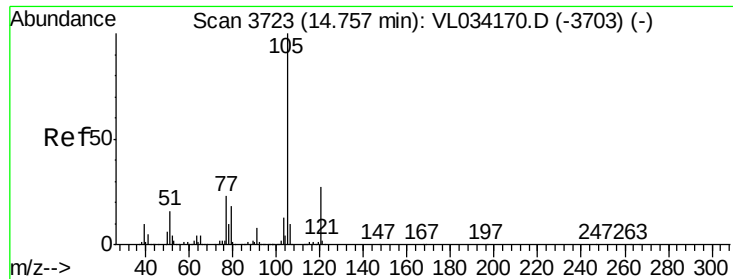


Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V





#62

Isopropylbenzene

Concen: 0.212 ppbv

RT: 14.75 min Scan# 3721

Delta R.T. -0.01 min

Lab File: VL034200.D

Acq: 24 Sep 2019 13:32

Instrument :

MSVOA_L

ClientSampleId :

AIR-01

Tot Ion: 105 Resp: 71944

Ion Ratio Lower Upper

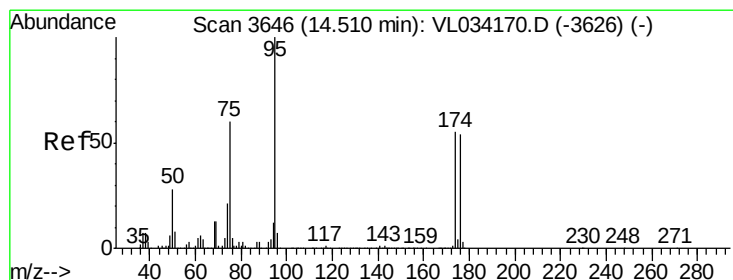
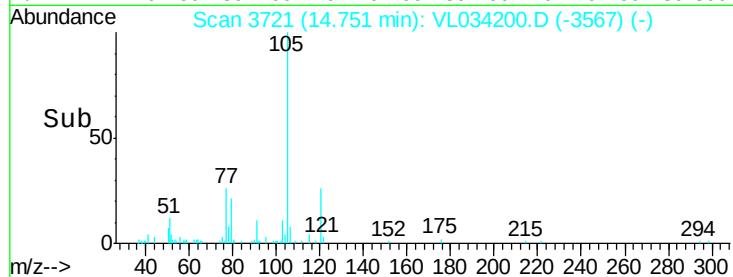
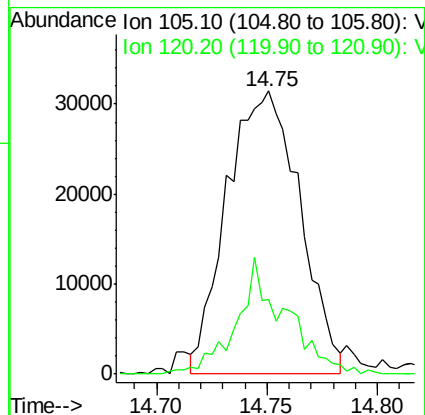
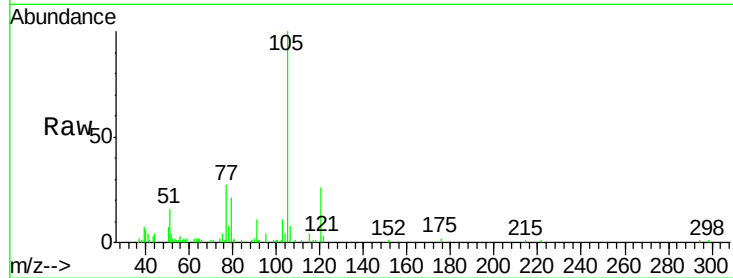
105 100

120 27.7 20.7 31.1

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#68

1-Bromo-4-Fluorobenzene

Concen: 10.590 ppbv

RT: 14.50 min Scan# 3643

Delta R.T. -0.01 min

Lab File: VL034200.D

Acq: 24 Sep 2019 13:32

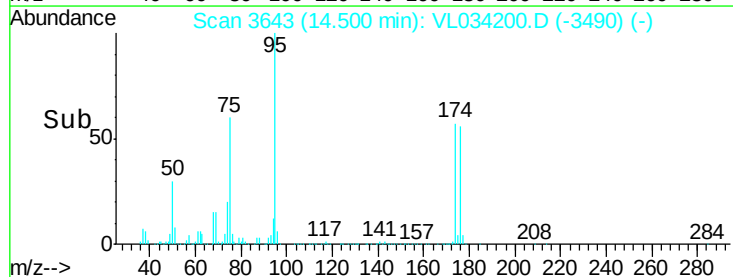
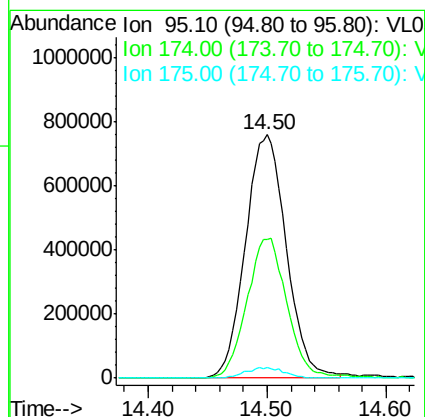
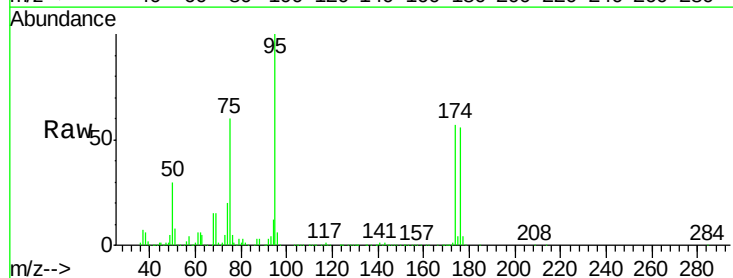
Tgt Ion: 95 Resp: 1805571

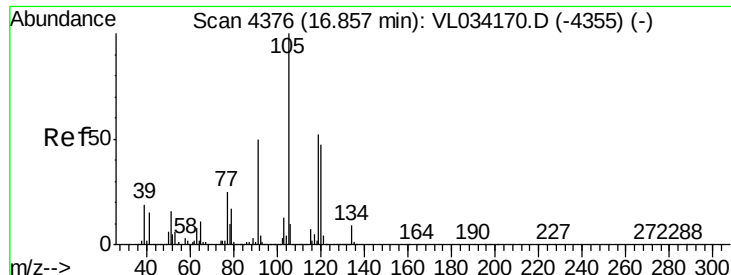
Ion Ratio Lower Upper

95 100

174 56.8 45.1 67.7

175 4.2 3.3 4.9





#74
 1,2,4-Trimethylbenzene
 Concen: 0.333 ppbv
 RT: 16.85 min Scan# 4373
 Delta R.T. -0.01 min
 Lab File: VL034200.D
 Acq: 24 Sep 2019 13:32

Instrument :
 MSVOA_L
 ClientSampleId :
 AIR-01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
105	105	100	101285		
120	120	39.8		37.5	56.3
91	91	13.4		41.1	61.7#
77	77	17.3		19.9	29.9#

Manual Integrations
 APPROVED

MMDadoda
 9/26/2019 12:39:32 AM

