

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101719\
 Data File : VL034323.D
 Acq On : 17 Oct 2019 19:22
 Operator : SY/AP
 Sample : K5409-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 2:55:06 PM

Quant Time: Oct 18 05:23:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 18 05:23:14 2019
 QLast Update : Thu Oct 17 05:12:37 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1061207	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2019609	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2086203	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.50	95	1845735	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	41883m	0.229	ppbv	
3) Chlorodifluoromethane	2.97	51	35953m	0.289	ppbv	
4) Chloromethane	3.12	50	79397	1.079	ppbv	98
5) Vinyl Chloride	3.24	62	17907	0.255	ppbv #	77
7) Chloroethane	3.55	64	3177	0.129	ppbv #	62
9) Propene	2.99	41	1418556	25.727	ppbv	98
10) Heptane	8.17	43	193908m	1.370	ppbv	
11) Trichlorofluoromethane	3.95	101	42432	0.244	ppbv	93
13) Ethanol	3.60	45	84234m	6.823	ppbv	
15) Acetone	3.84	43	8311081	54.754	ppbv #	64
17) tert-Butyl alcohol	4.30	59	89376	0.923	ppbv	94
19) Isopropyl Alcohol	3.97	45	97917m	1.156	ppbv	
20) Methylene Chloride	4.35	84	127810	2.329	ppbv	92
22) trans-1,2-Dichloroethene	4.91	96	26886	0.541	ppbv #	76
26) Hexane	5.71	57	217507	1.991	ppbv #	39
27) Carbon Disulfide	4.56	76	532575	4.697	ppbv	98
29) Chloroform	5.78	83	110854	0.642	ppbv	96
30) Cyclohexane	7.17	84	44517	0.554	ppbv #	89
31) cis-1,2-Dichloroethene	5.57	61	972231	8.771	ppbv	95
34) 2-Butanone	5.26	43	1221209	7.398	ppbv	98
35) Carbon Tetrachloride	7.06	117	10485m	0.060	ppbv	
36) Benzene	6.93	78	411751	2.125	ppbv #	91
38) Trichloroethene	7.88	130	661477	8.507	ppbv	94
44) 2,2,4-Trimethylpentane	7.92	57	183900m	0.513	ppbv	
50) 4-Methyl-2-Pentanone	8.81	43	105955	0.448	ppbv	98
51) 2-Hexanone	10.20	43	260088	1.343	ppbv #	95
52) Tetrachloroethene	11.35	164	18169840	239.218	ppbv	92
53) Toluene	9.86	91	1575881	7.369	ppbv	99
58) Ethyl Benzene	12.79	91	522278	1.791	ppbv	99
59) m/p-Xylene	13.04	91	1532462	6.065	ppbv	98
60) o-Xylene	13.77	91	598579m	2.379	ppbv	
61) Styrene	13.60	104	36864m	0.208	ppbv	
64) n-propylbenzene	15.64	120	42509m	0.499	ppbv	
65) tert-Butylbenzene	16.85	119	47774m	0.162	ppbv	
72) 4-Ethyltoluene	15.92	105	189170	0.669	ppbv	95
73) 1,3,5-Trimethylbenzene	16.08	105	129763	0.463	ppbv	92
74) 1,2,4-Trimethylbenzene	16.85	105	408366	1.397	ppbv #	69

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

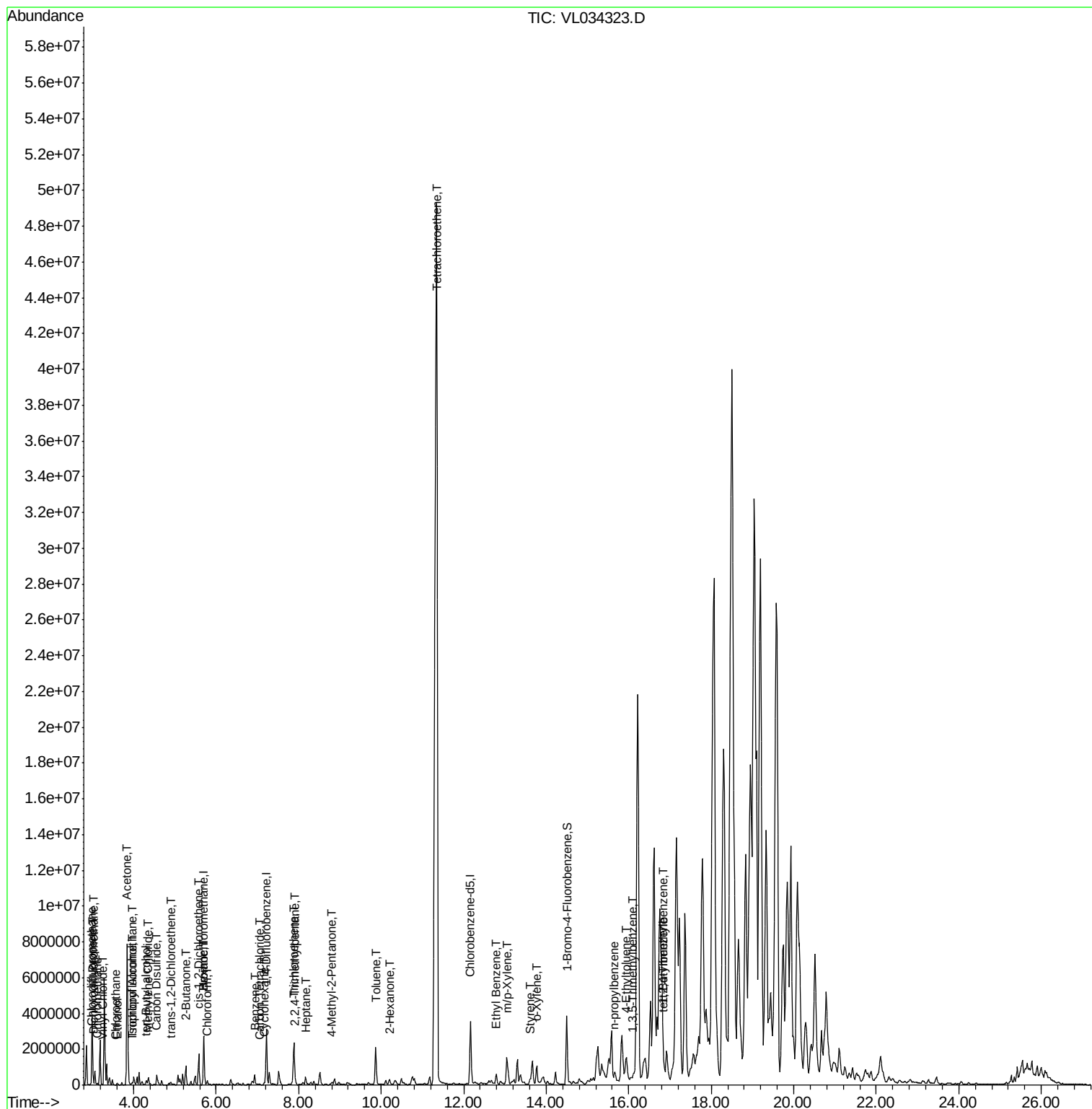
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101719\
Data File : VL034323.D
Acq On : 17 Oct 2019 19:22
Operator : SY/AP
Sample : K5409-01
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

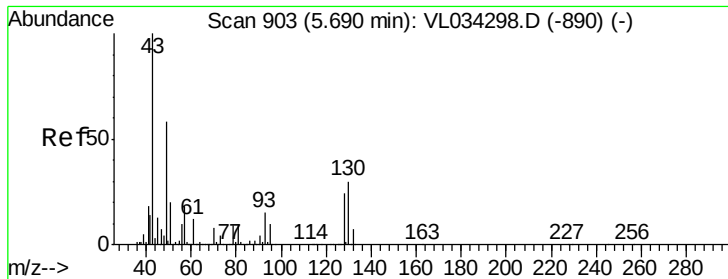
Instrument :
MSVOA_L
ClientSampleId :
SV1

Manual Integrations APPROVED

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Quant Time: Oct 18 05:23:14 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVQA L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVQA_LThu Oct
QLast Update : Thu Oct 17 05:12:37 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: VL034323.D

Acq: 17 Oct 2019 19:22

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion: 49 Resp: 1061207

Ion Ratio Lower Upper

49 100

128 41.1 20.6 61.8

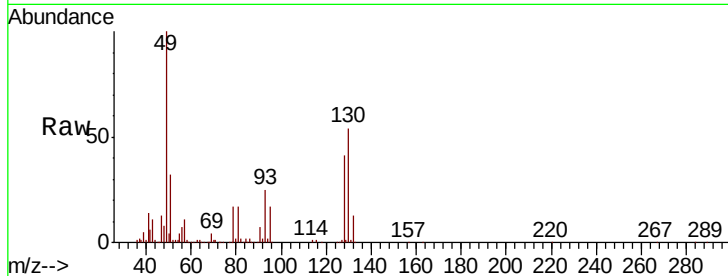
130 53.7 26.2 78.5

Manual Integrations

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

5.70

800000

600000

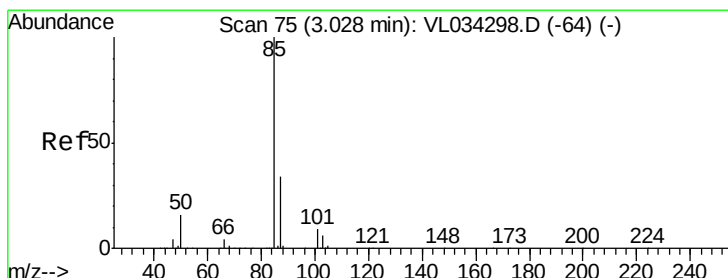
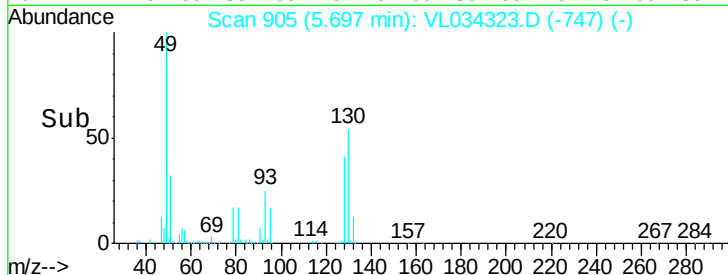
400000

200000

0

5.65 5.70 5.75

Time-->



#2

Dichlorodifluoromethane

Concen: 0.229 ppbv m

RT: 3.03 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL034323.D

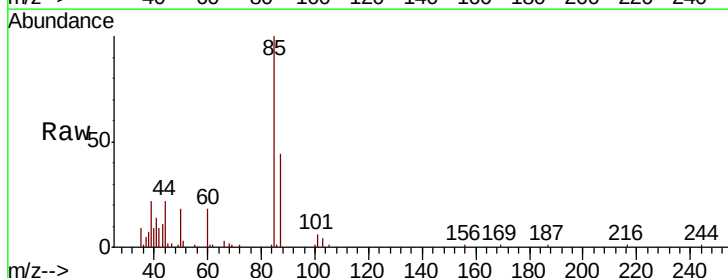
Acq: 17 Oct 2019 19:22

Tgt Ion: 85 Resp: 41883

Ion Ratio Lower Upper

85 100

87 43.8 27.0 40.6#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.03

40000

30000

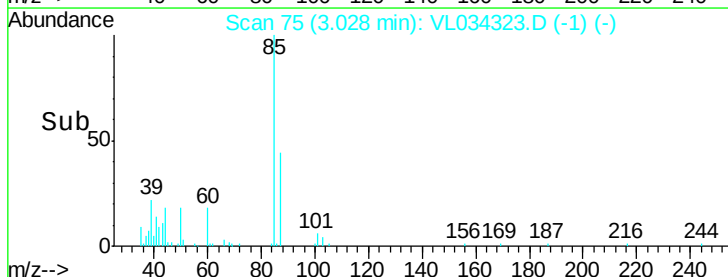
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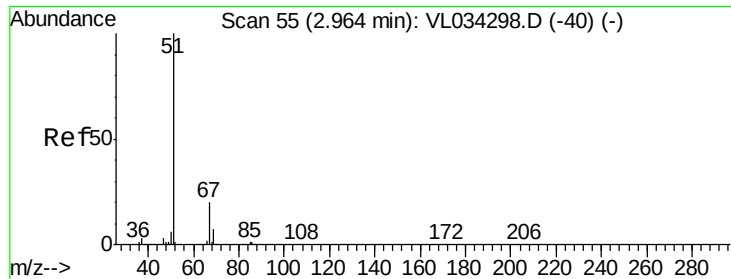
10000

0

3.00 3.05

Time-->





#3

Chlorodifluoromethane

Concen: 0.289 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion: 51 Resp: 35953

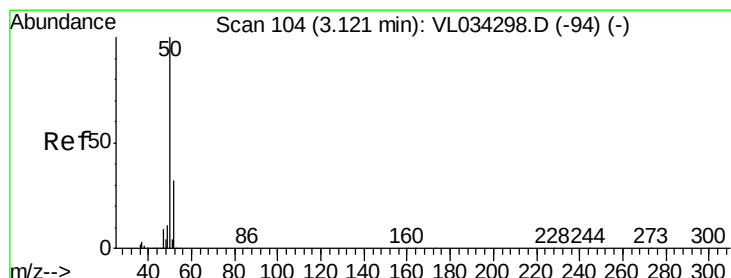
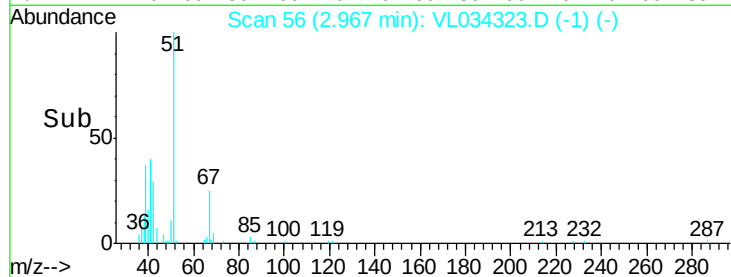
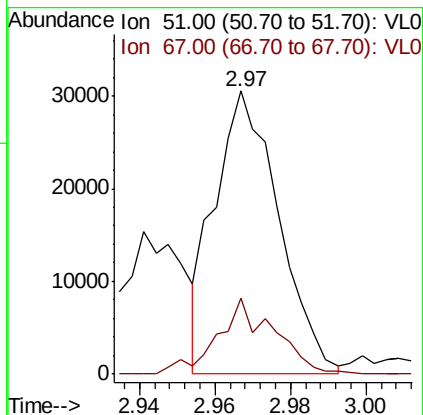
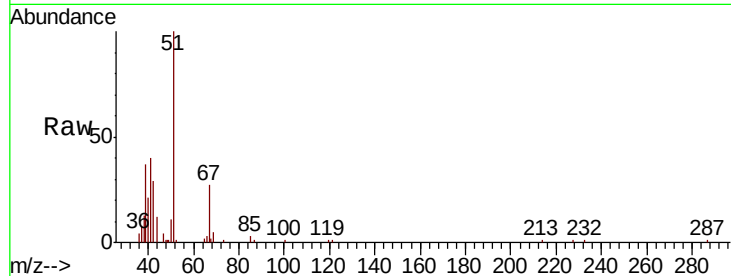
Ion Ratio Lower Upper

51 100

67 23.8 15.8 23.8#

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#4

Chloromethane

Concen: 1.079 ppbv

RT: 3.12 min Scan# 105

Delta R.T. 0.00 min

Lab File: VL034323.D

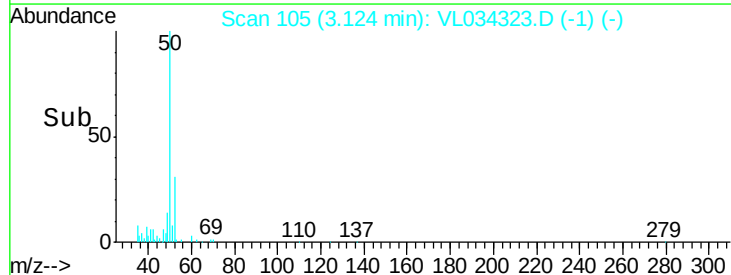
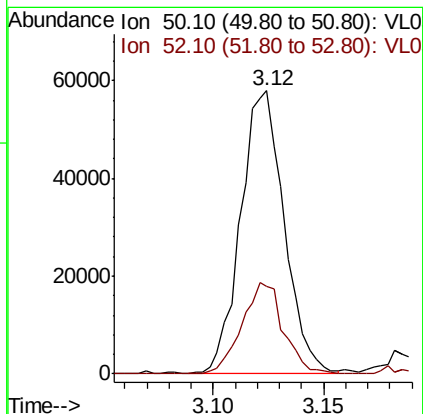
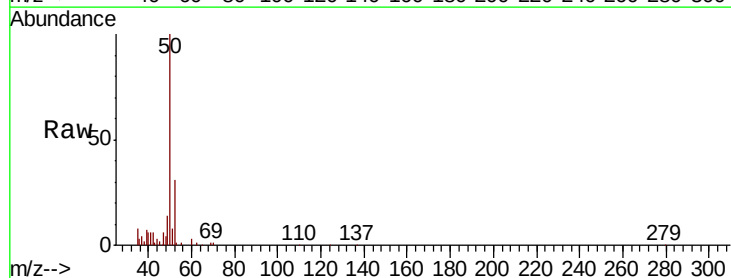
Acq: 17 Oct 2019 19:22

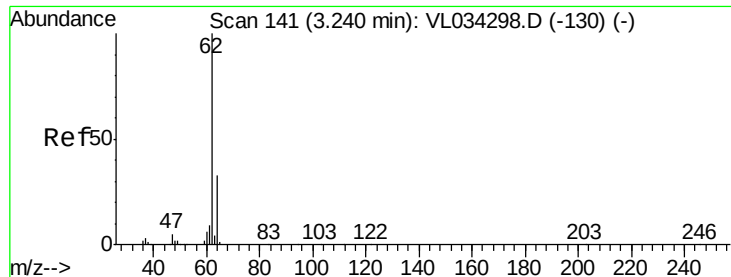
Tgt Ion: 50 Resp: 79397

Ion Ratio Lower Upper

50 100

52 30.8 25.4 38.2





#5

Vinyl Chloride

Concen: 0.255 ppbv

RT: 3.24 min Scan# 142

Delta R.T. 0.00 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion: 62 Resp: 17907

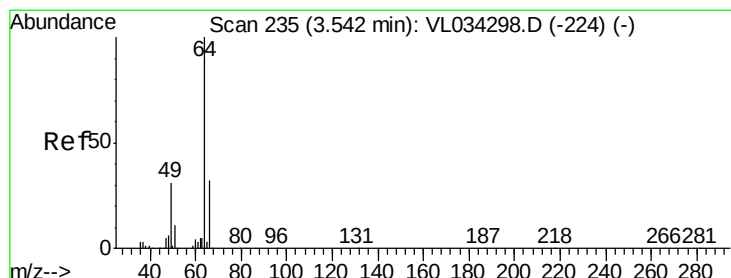
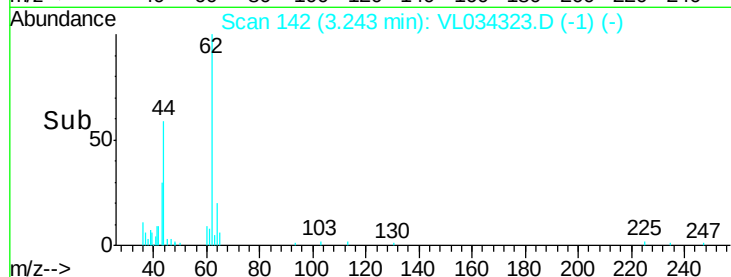
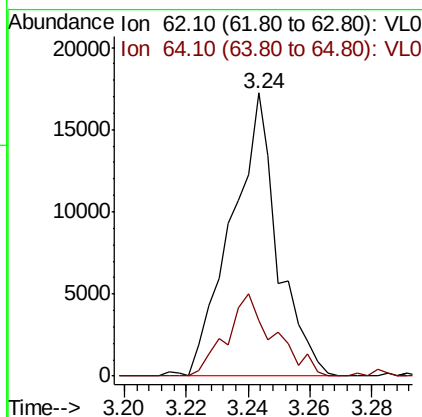
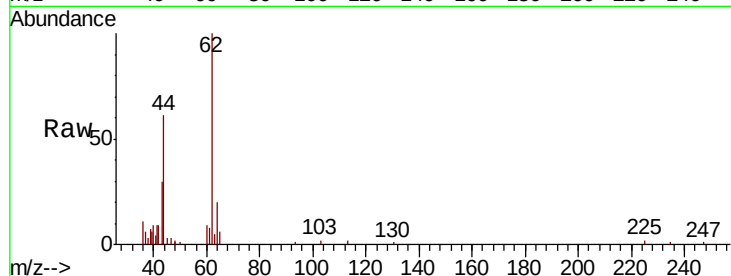
Ion Ratio Lower Upper

62 100

64 19.6 26.0 39.0#

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#7

Chloroethane

Concen: 0.129 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.01 min

Lab File: VL034323.D

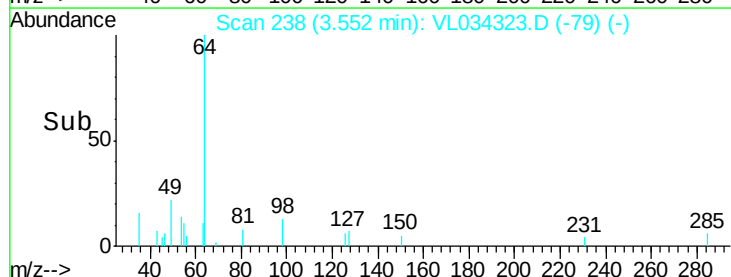
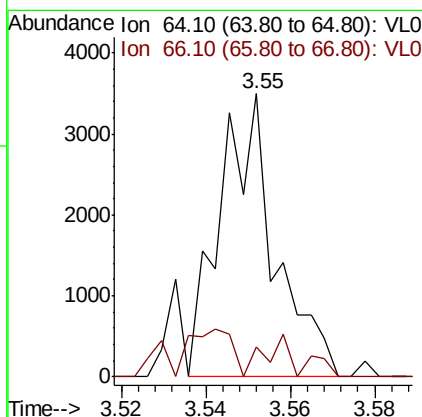
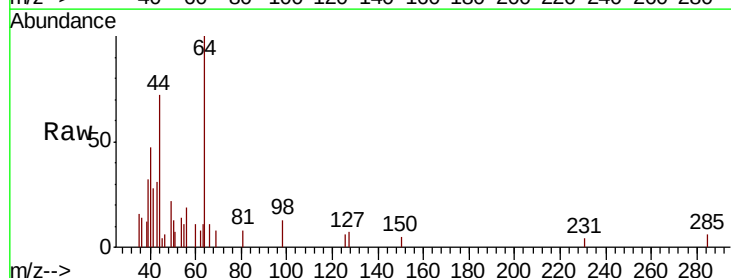
Acq: 17 Oct 2019 19:22

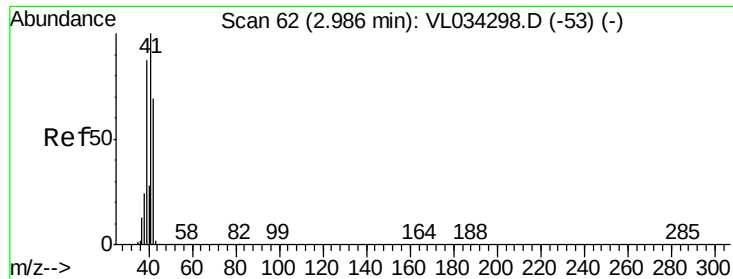
Tgt Ion: 64 Resp: 3177

Ion Ratio Lower Upper

64 100

66 10.7 25.4 38.0#





#9

Propene

Concen: 25.727 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion: 41 Resp: 1418556

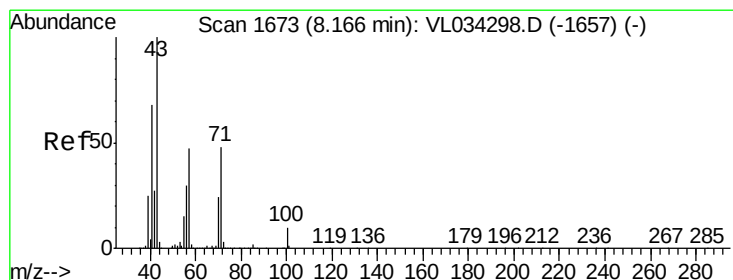
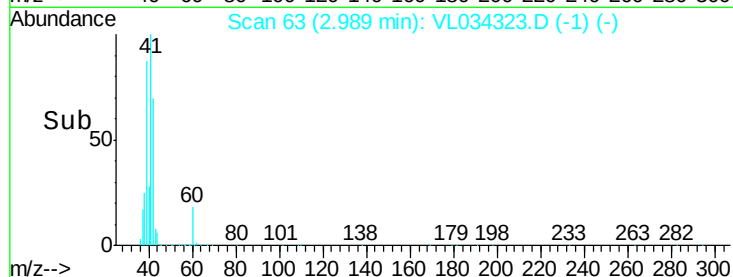
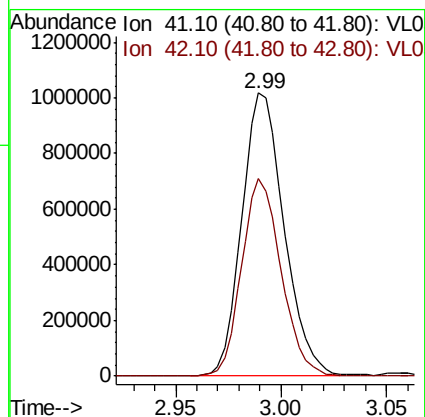
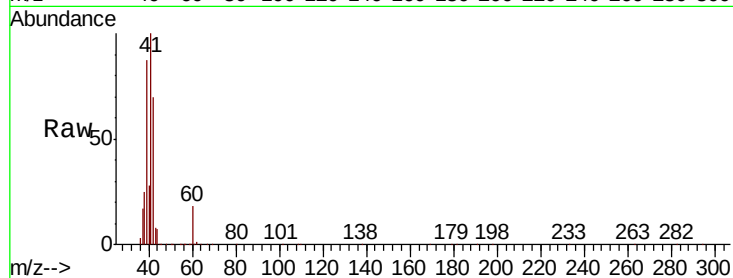
Ion Ratio Lower Upper

41 100

42 65.5 53.9 80.9

Manual Integrations
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#10

Heptane

Concen: 1.370 ppbv m

RT: 8.17 min Scan# 1675

Delta R.T. 0.01 min

Lab File: VL034323.D

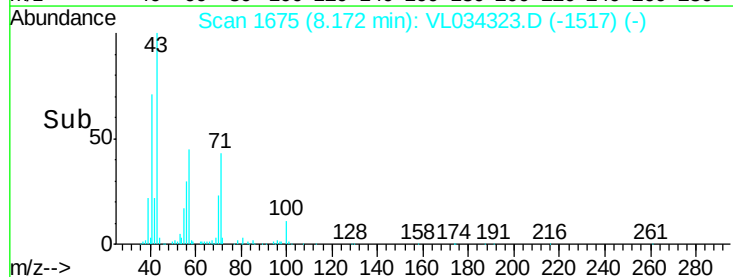
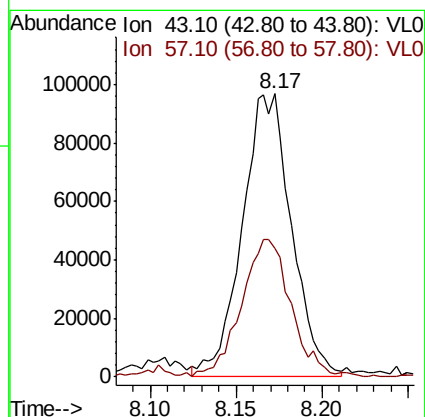
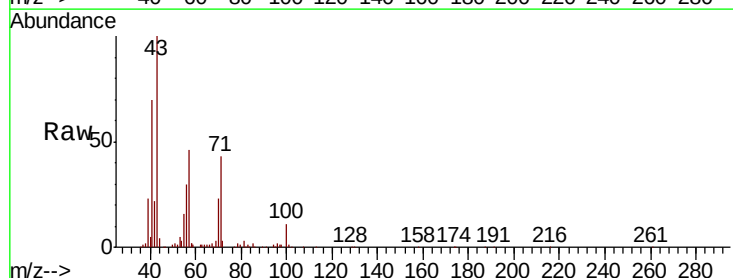
Acq: 17 Oct 2019 19:22

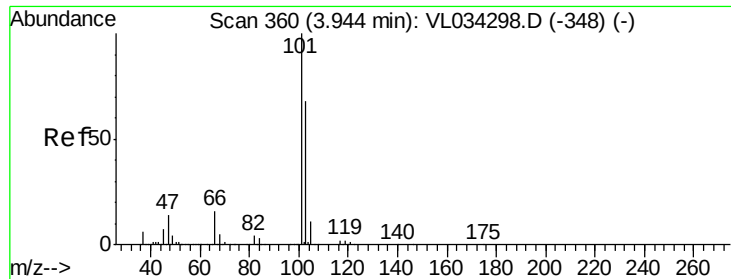
Tgt Ion: 43 Resp: 193908

Ion Ratio Lower Upper

43 100

57 49.1 39.5 59.3





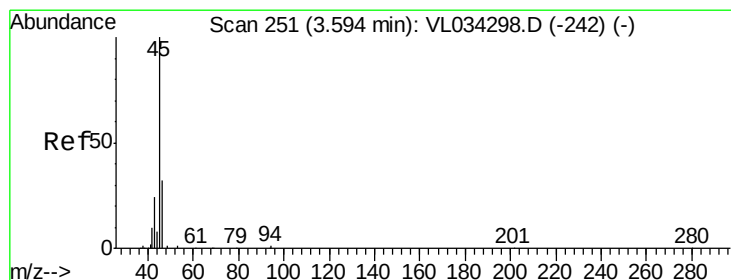
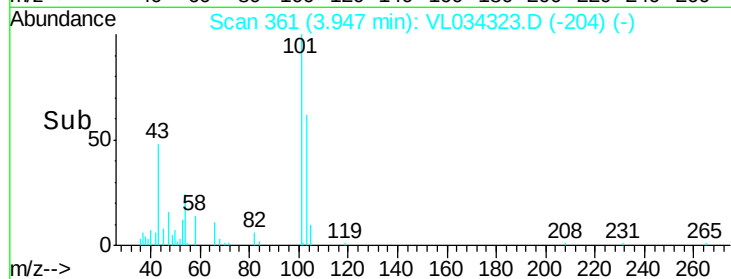
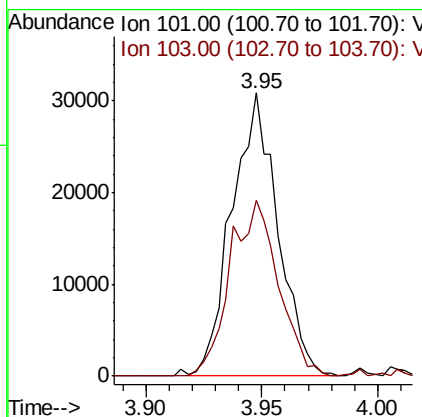
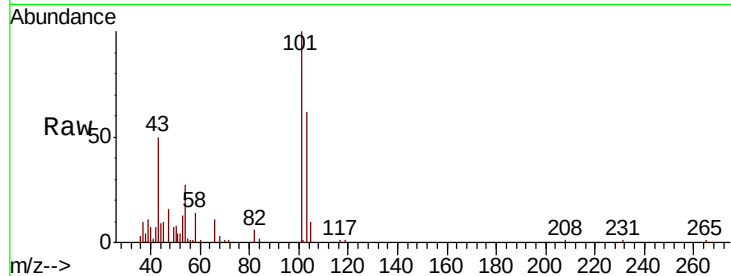
#11
 Trichlorofluoromethane
 Concen: 0.244 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL034323.D
 Acq: 17 Oct 2019 19:22

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion	Ratio	Lower	Upper
101	100		
103	62.2	54.5	81.7

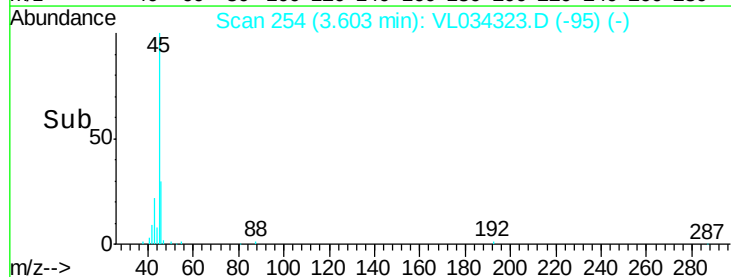
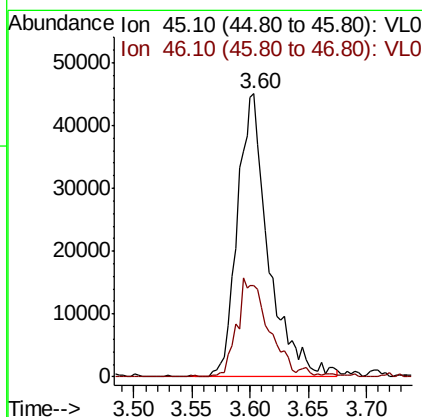
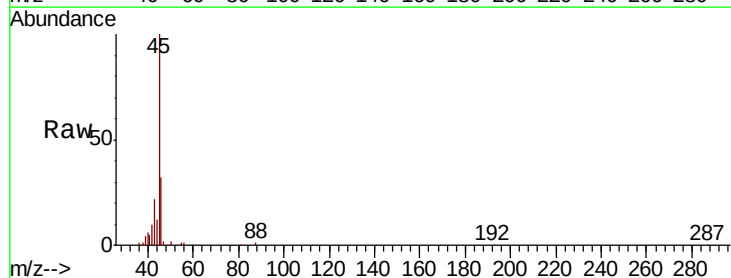
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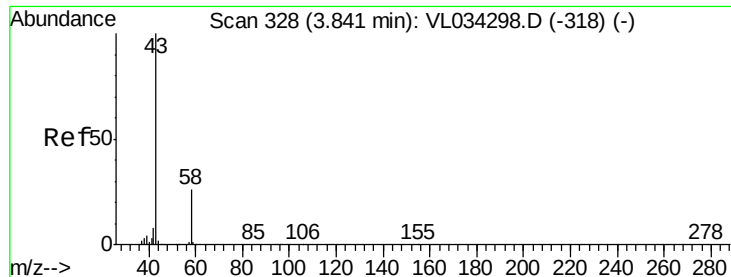
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#13
 Ethanol
 Concen: 6.823 ppbv m
 RT: 3.60 min Scan# 254
 Delta R.T. 0.01 min
 Lab File: VL034323.D
 Acq: 17 Oct 2019 19:22

Tgt Ion	Ratio	Lower	Upper
45	100		
46	36.7	15.8	63.2





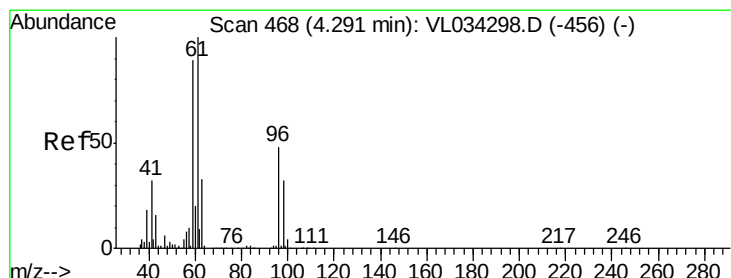
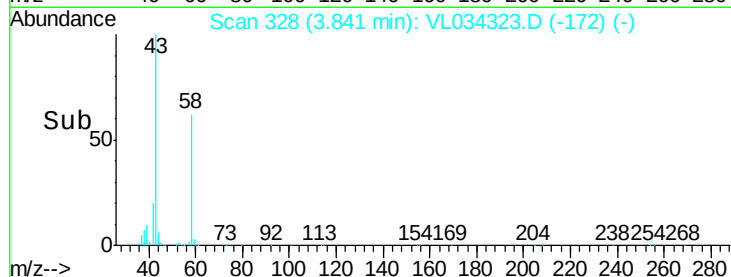
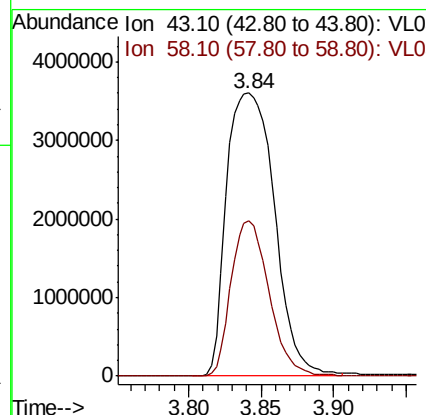
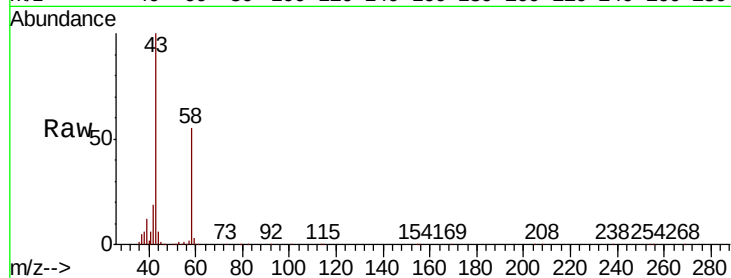
#15
Acetone
Concen: 54.754 ppbv
RT: 3.84 min Scan# 328
Delta R.T. 0.00 min
Lab File: VL034323.D
Acq: 17 Oct 2019 19:22

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion: 43 Resp: 8311081
Ion Ratio Lower Upper
43 100
58 43.7 20.4 30.6#

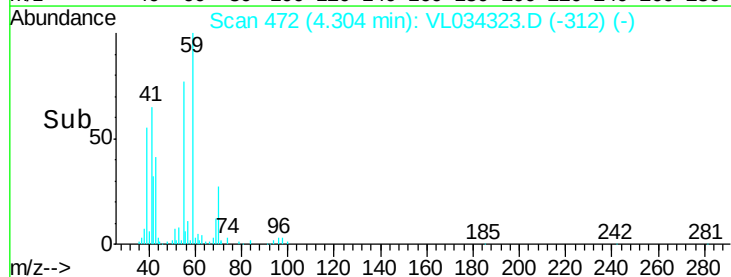
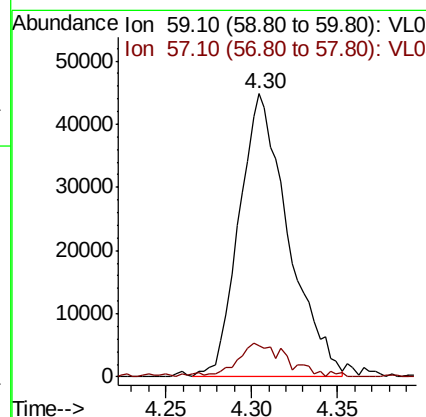
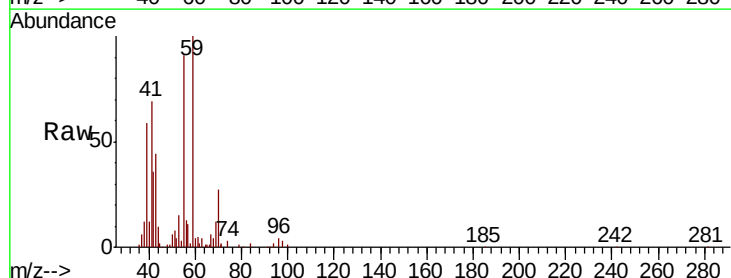
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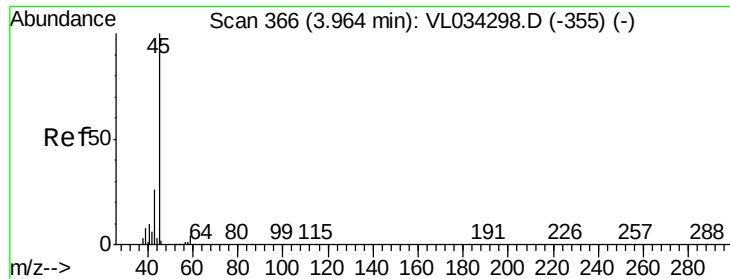
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#17
tert-Butyl alcohol
Concen: 0.923 ppbv
RT: 4.30 min Scan# 472
Delta R.T. 0.01 min
Lab File: VL034323.D
Acq: 17 Oct 2019 19:22

Tgt Ion: 59 Resp: 89376
Ion Ratio Lower Upper
59 100
57 13.2 8.8 13.2





#19

Isopropyl Alcohol

Concen: 1.156 ppbv m

RT: 3.97 min Scan# 368

Delta R.T. 0.01 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion: 45 Resp: 97917

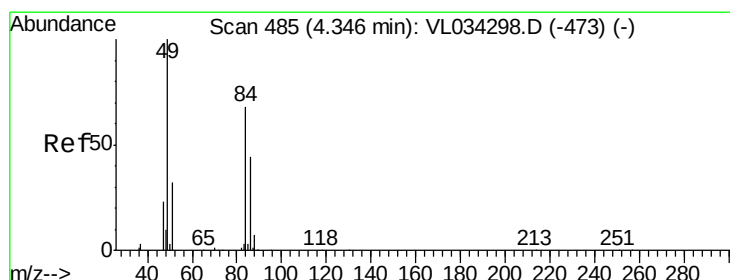
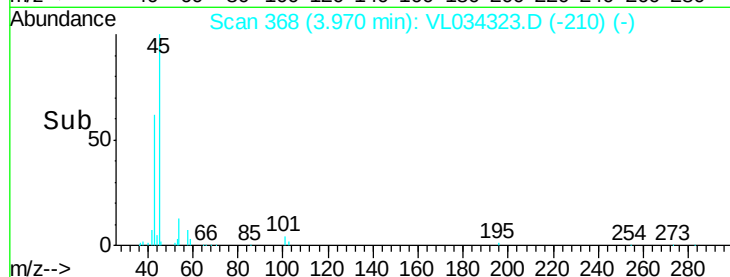
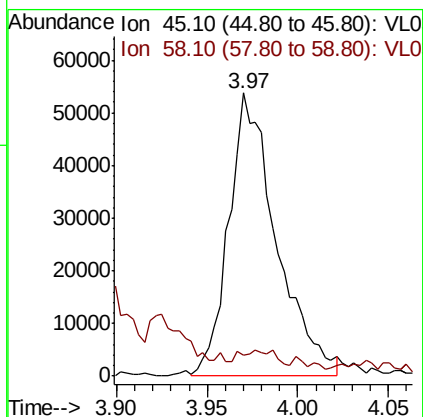
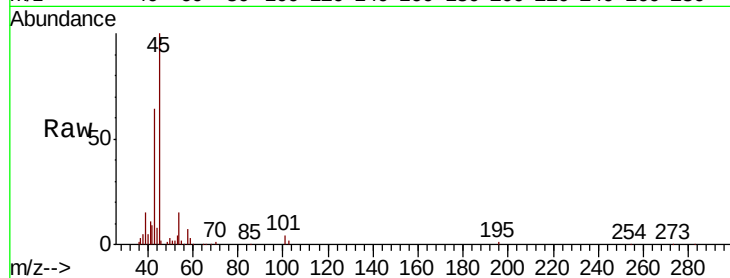
Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#

Manual Integrations
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10/22/2019 2:55:06 PM



#20

Methylene Chloride

Concen: 2.329 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.01 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Tgt Ion: 84 Resp: 127810

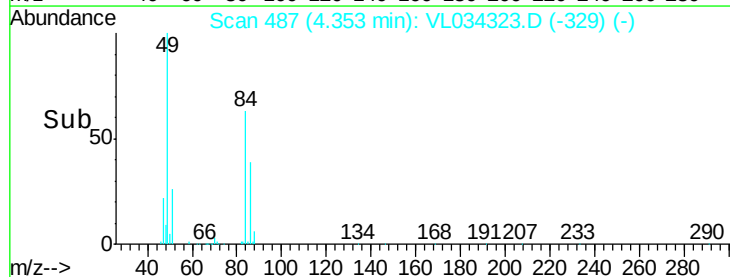
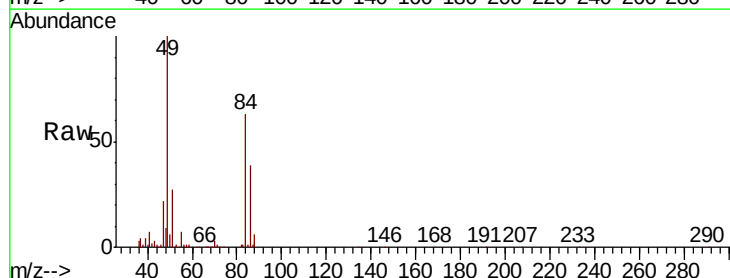
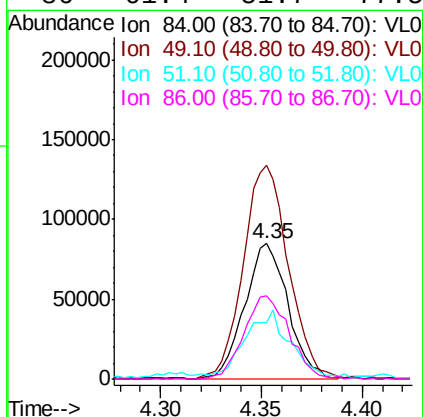
Ion Ratio Lower Upper

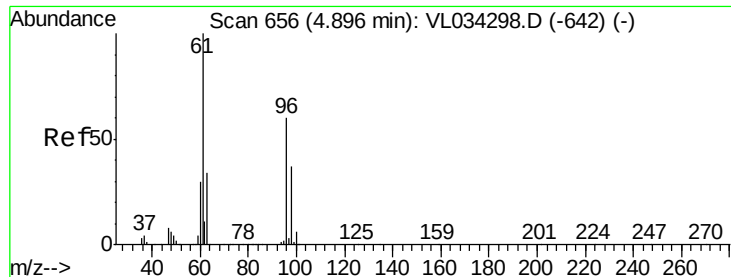
84 100

49 157.7 118.5 177.7

51 40.1 38.8 58.2

86 61.4 51.7 77.5





#22

trans-1,2-Dichloroethene

Concen: 0.541 ppbv

RT: 4.91 min Scan# 659

Delta R.T. 0.01 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Instrument :

MSVOA_L

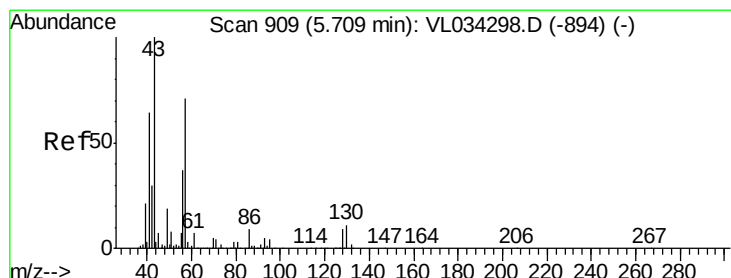
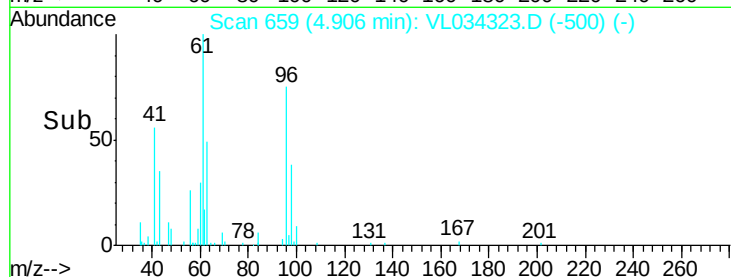
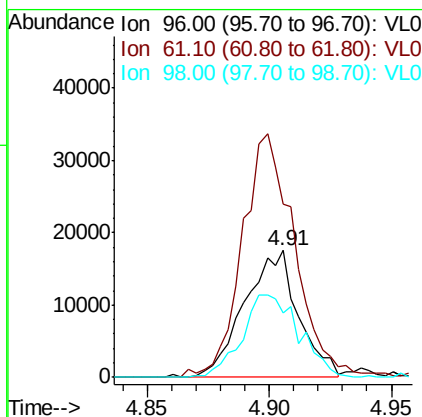
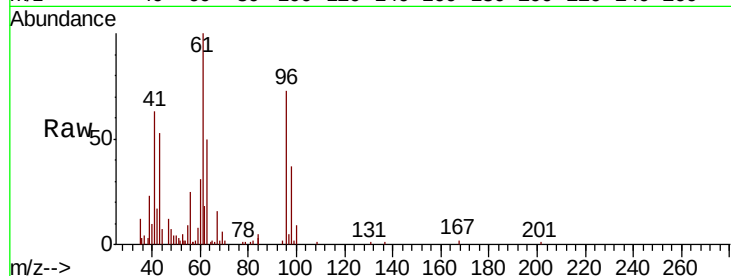
ClientSampled :

SV1

Tot Ion:	96	Resp:	26886
Ion Ratio	Lower	Upper	
96	100		
61	129.9	133.8	200.6#
98	50.7	49.4	74.0

Manual Integrations
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#26

Hexane

Concen: 1.991 ppbv

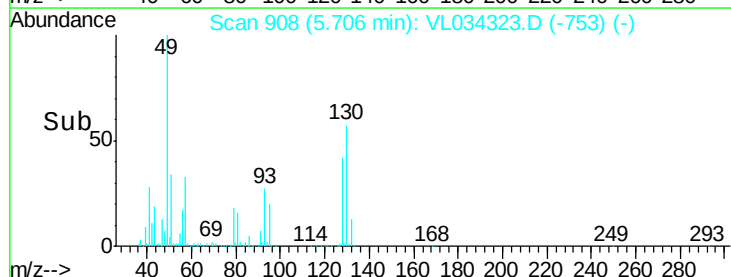
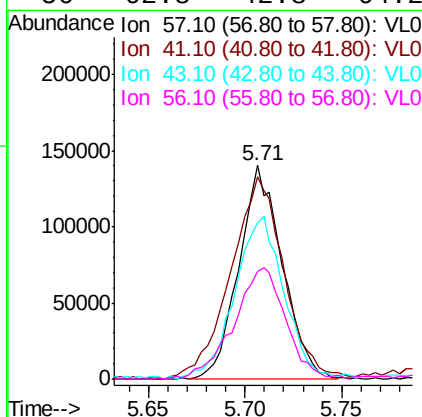
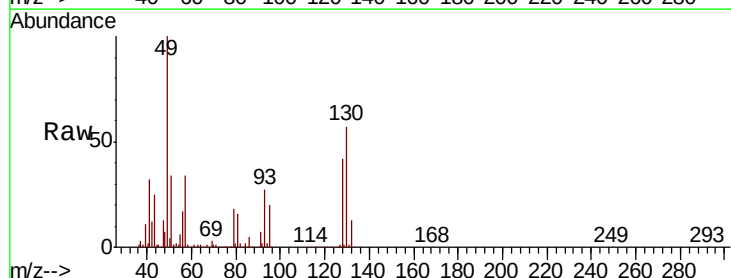
RT: 5.71 min Scan# 908

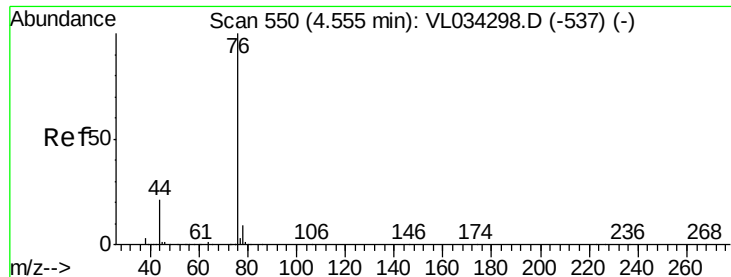
Delta R.T. -0.00 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Tgt Ion:	57	Resp:	217507
Ion Ratio	Lower	Upper	
57	100		
41	116.5	76.5	114.7#
43	86.8	188.5	282.7#
56	62.8	42.8	64.2





#27

Carbon Disulfide

Concen: 4.697 ppbv

RT: 4.56 min Scan# 551

Delta R.T. 0.00 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Instrument :

MSVOA_L

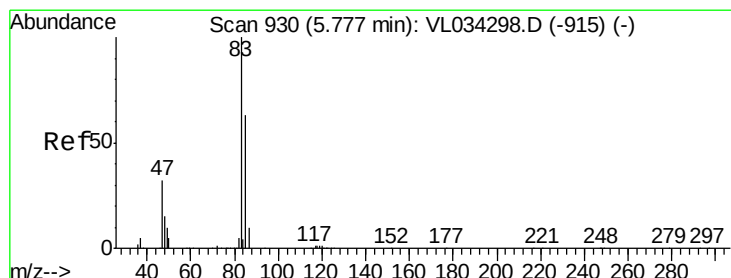
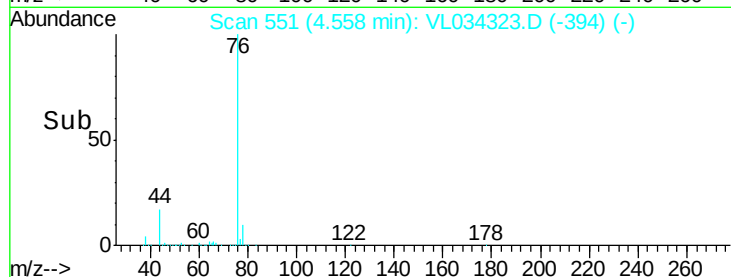
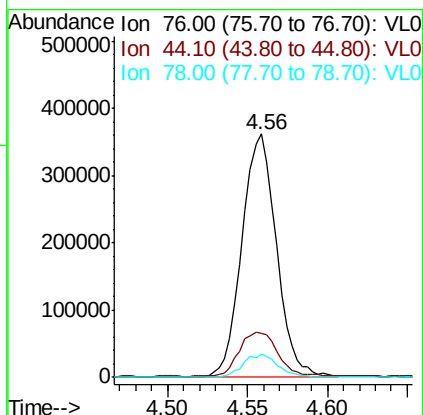
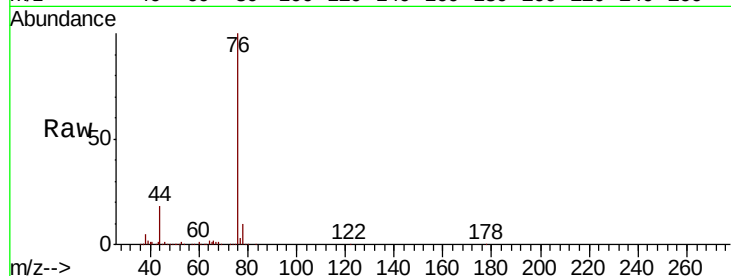
ClientSampled :

SV1

Tot Ion:	76	Resp:	532575
Ion Ratio	Lower	Upper	
76	100		
44	20.1	17.3	25.9
78	9.6	7.8	11.6

Manual Integrations
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#29

Chloroform

Concen: 0.642 ppbv

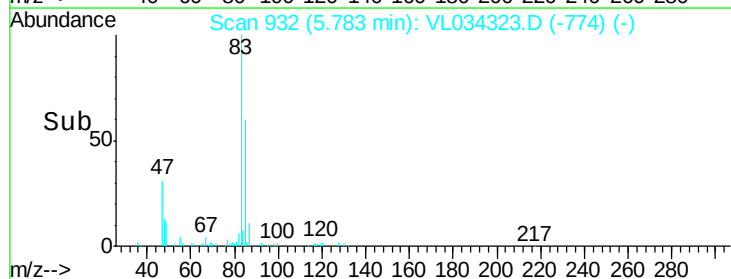
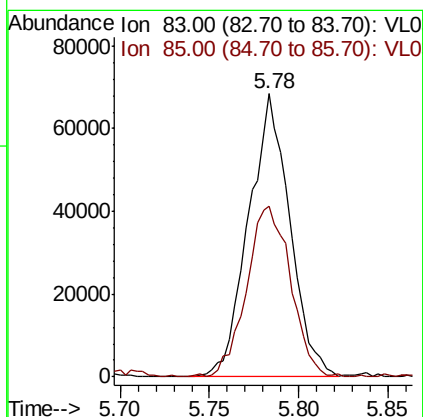
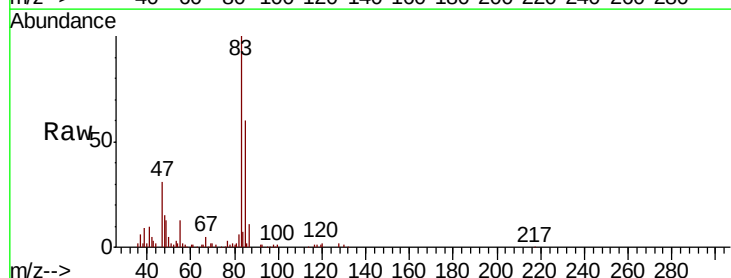
RT: 5.78 min Scan# 932

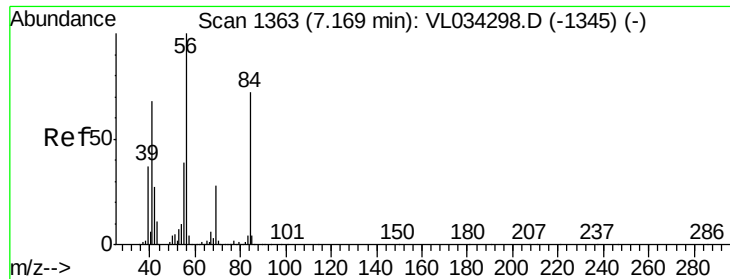
Delta R.T. 0.01 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Tgt Ion:	83	Resp:	110854
Ion Ratio	Lower	Upper	
83	100		
85	60.2	50.5	75.7





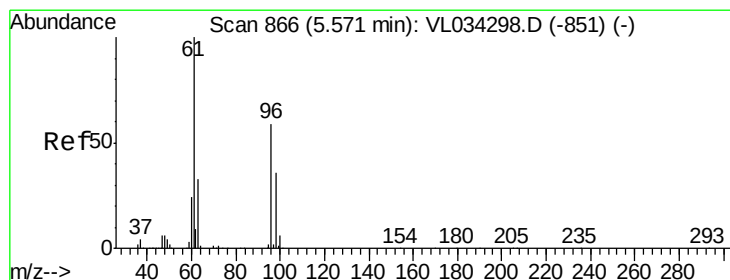
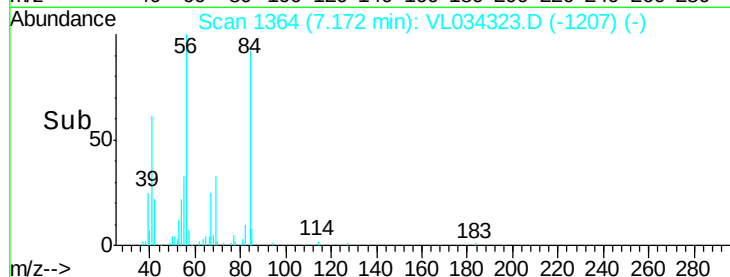
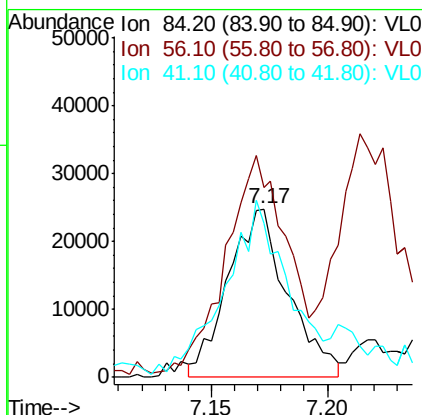
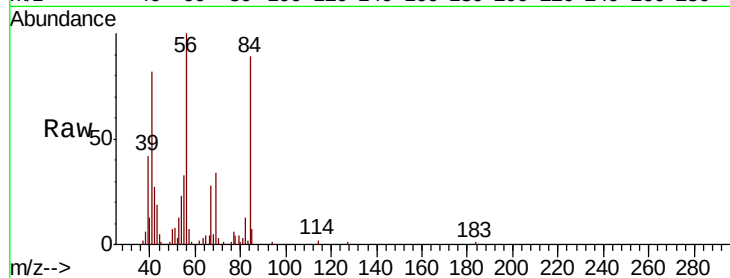
#30
Cvclohexane
Concen: 0.554 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.00 min
Lab File: VL034323.D
Acq: 17 Oct 2019 19:22

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	Ratio	Lower	Upper
84	100		
56	147.1	119.4	179.0
41	122.8	78.7	118.1#

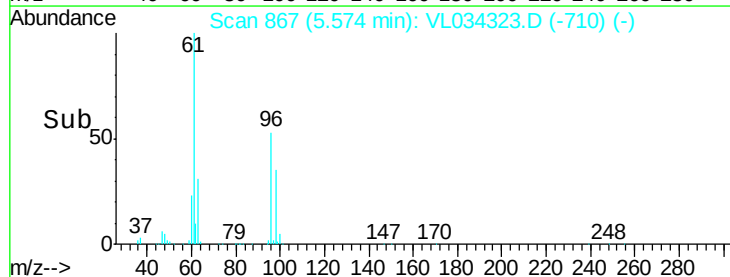
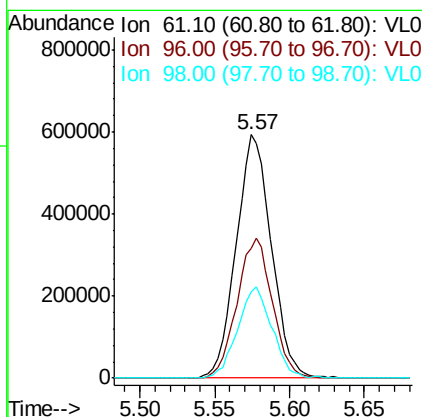
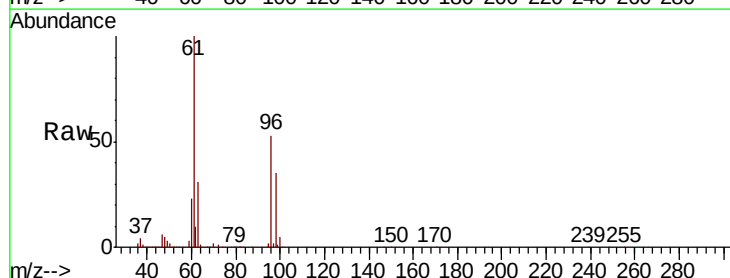
Manual Integrations
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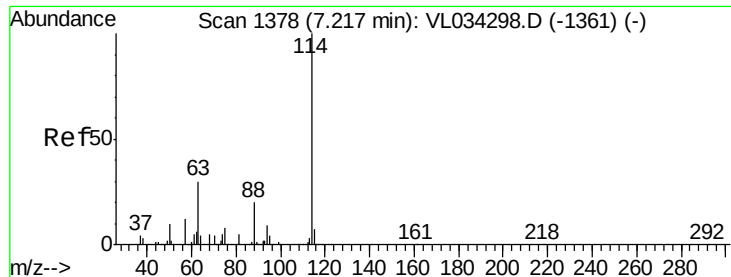
MMDadoda
10/22/2019 2:55:06 PM



#31
cis-1,2-Dichloroethene
Concen: 8.771 ppbv
RT: 5.57 min Scan# 867
Delta R.T. 0.00 min
Lab File: VL034323.D
Acq: 17 Oct 2019 19:22

Tgt Ion	Ratio	Lower	Upper
61	100		
96	53.4	47.5	71.3
98	35.4	28.8	43.2





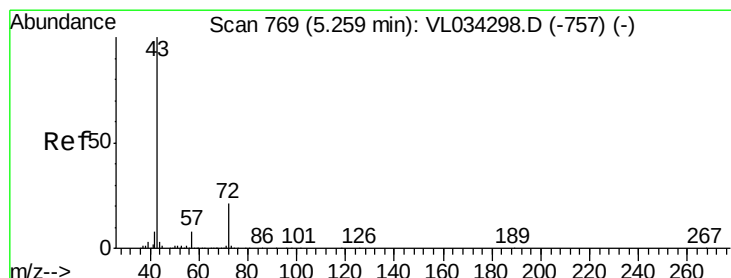
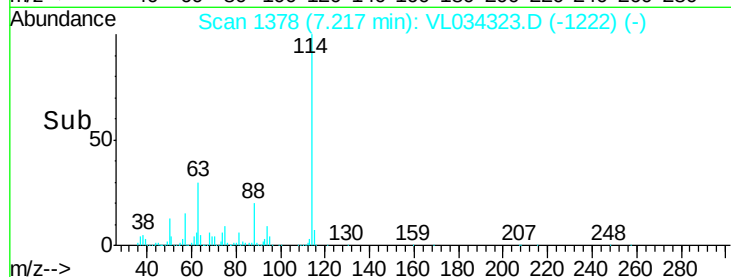
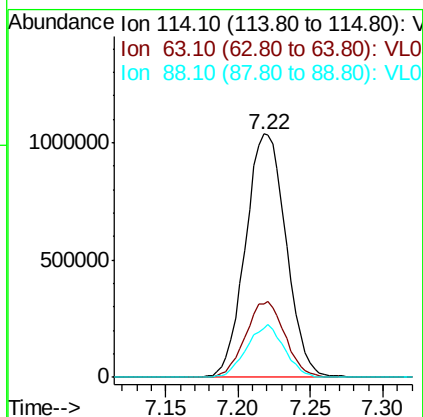
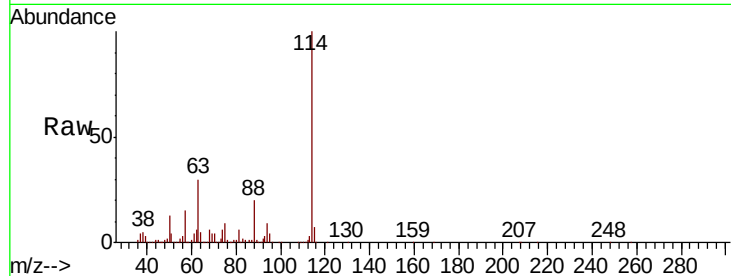
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VL034323.D
 Acq: 17 Oct 2019 19:22

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion	Ratio	Lower	Upper
114	100		
63	30.5	25.2	37.8
88	20.2	16.0	24.0

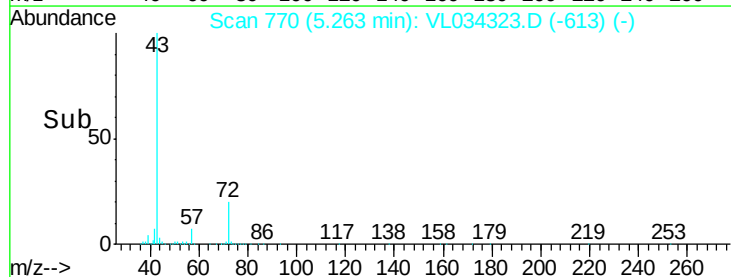
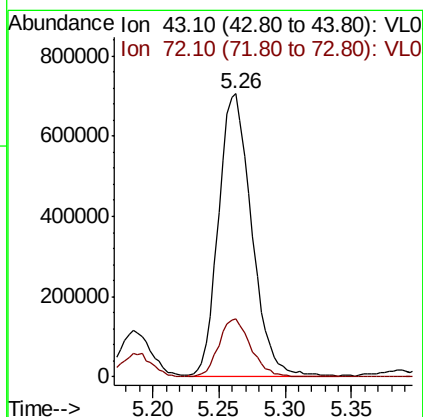
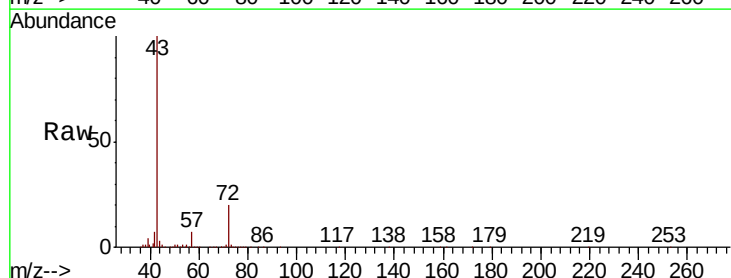
Manual Integrations
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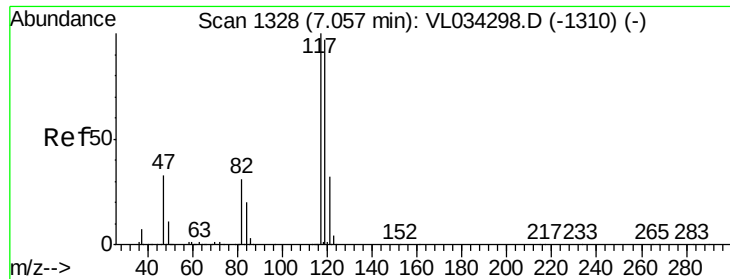
MMDadoda
 10/22/2019 2:55:06 PM



#34
 2-Butanone
 Concen: 7.398 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: VL034323.D
 Acq: 17 Oct 2019 19:22

Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.7	16.3	24.5





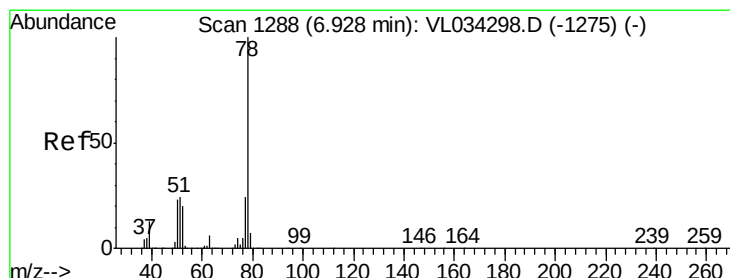
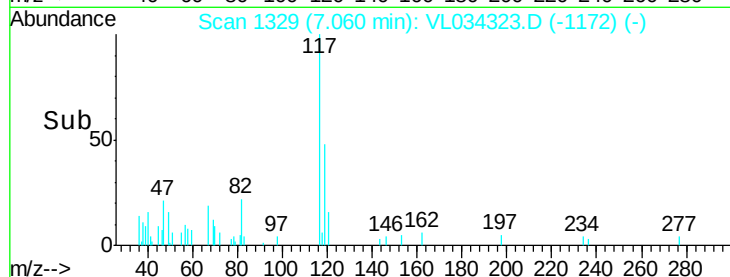
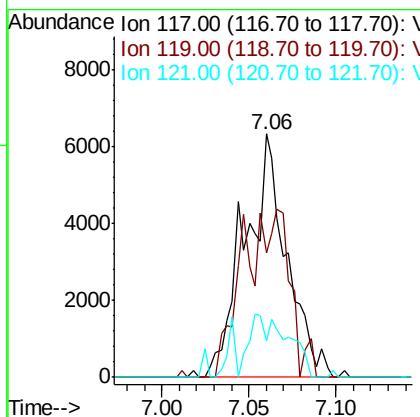
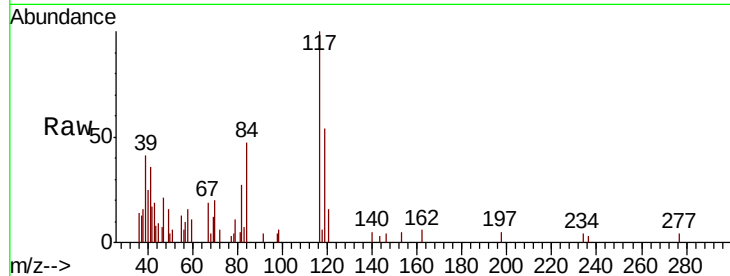
#35
Carbon Tetrachloride
Concen: 0.060 ppbv m
RT: 7.06 min Scan# 1329
Delta R.T. 0.00 min
Lab File: VL034323.D
Acq: 17 Oct 2019 19:22

Instrument :
MSVOA_L
ClientSampleId :
SV1

Tot Ion	Ratio	Lower	Upper
117	100		
119	54.1	77.3	115.9#
121	16.0	25.5	38.3#

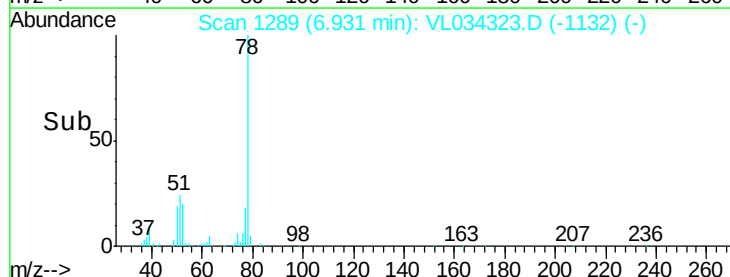
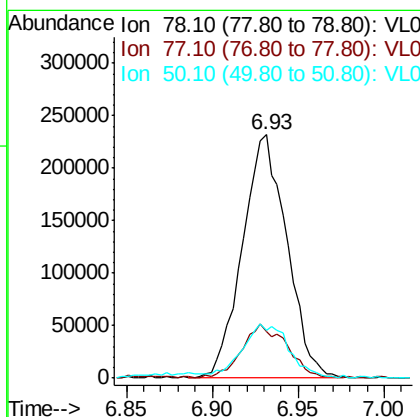
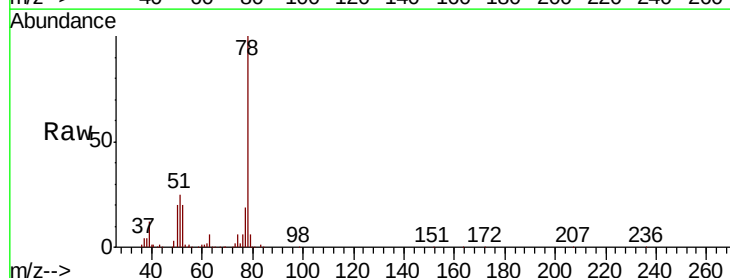
Manual Integrations
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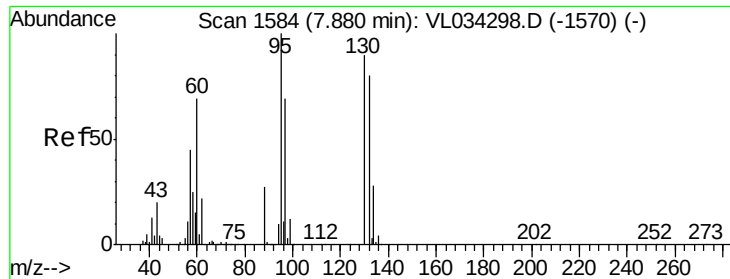
MMDadoda
10/22/2019 2:55:06 PM



#36
Benzene
Concen: 2.125 ppbv
RT: 6.93 min Scan# 1289
Delta R.T. 0.00 min
Lab File: VL034323.D
Acq: 17 Oct 2019 19:22

Tgt Ion	Ratio	Lower	Upper
78	100		
77	18.8	19.0	28.4#
50	19.3	18.6	27.8





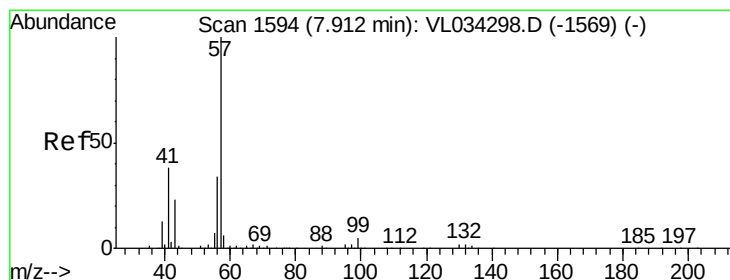
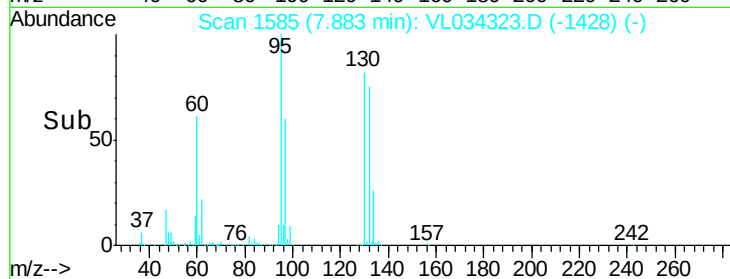
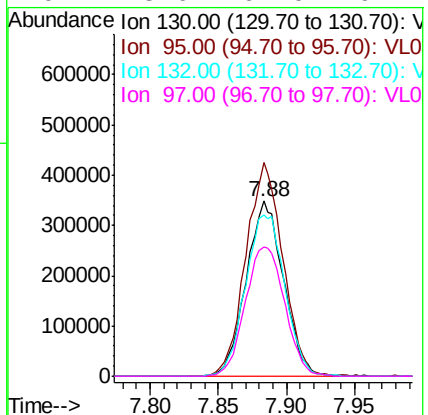
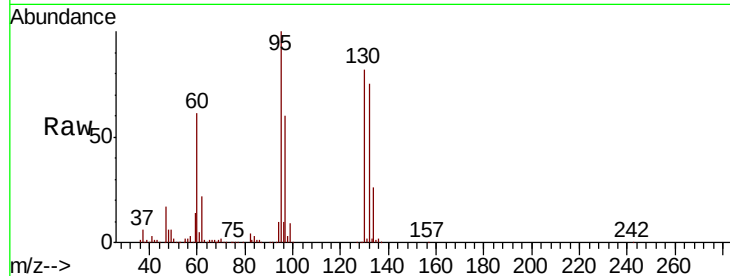
#38
 Trichloroethene
 Concen: 8.507 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VL034323.D
 Acq: 17 Oct 2019 19:22

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion:	130	Resp:	661477
Ion Ratio	Lower	Upper	
130	100		
95	121.8	88.6	132.8
132	91.9	71.2	106.8
97	73.6	61.0	91.4

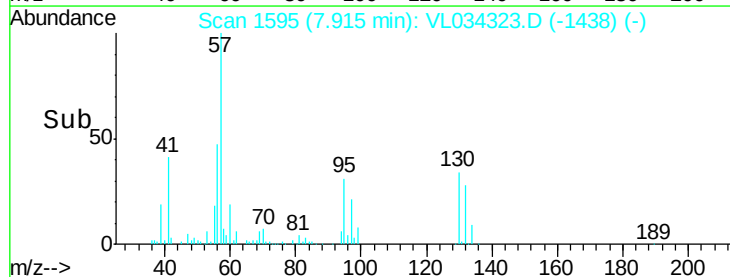
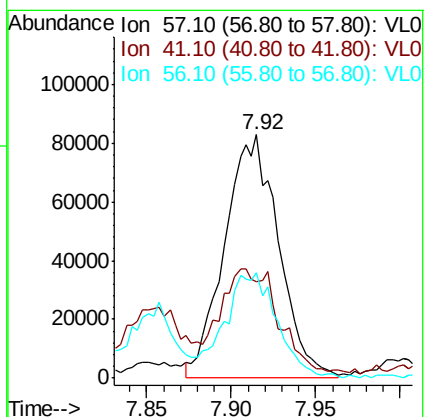
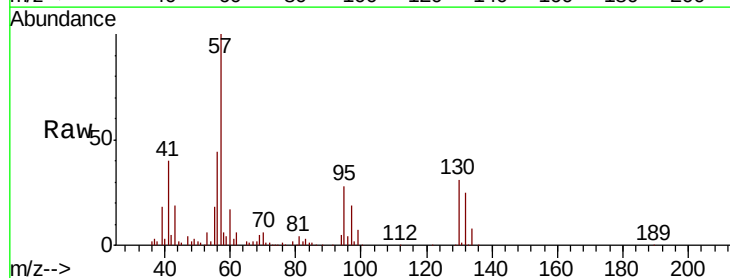
Manual Integrations
 APPROVED

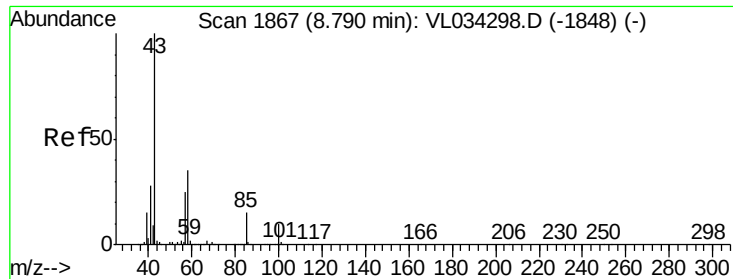
MMDadoda
 10/22/2019 2:55:06 PM



#44
 2,2,4-Trimethylpentane
 Concen: 0.513 ppbv m
 RT: 7.92 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VL034323.D
 Acq: 17 Oct 2019 19:22

Tgt Ion:	57	Resp:	183900
Ion Ratio	Lower	Upper	
57	100		
41	0.0	29.3	43.9#
56	41.9	25.3	37.9#





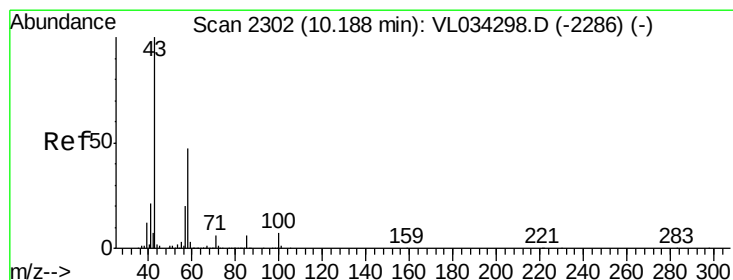
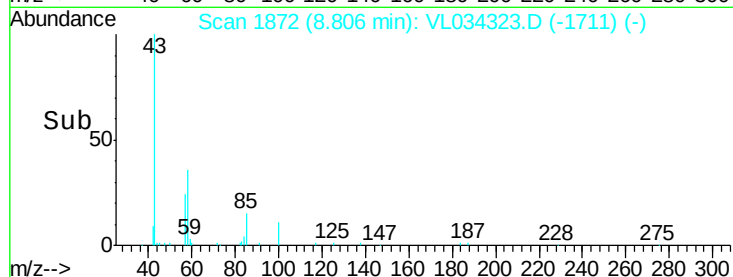
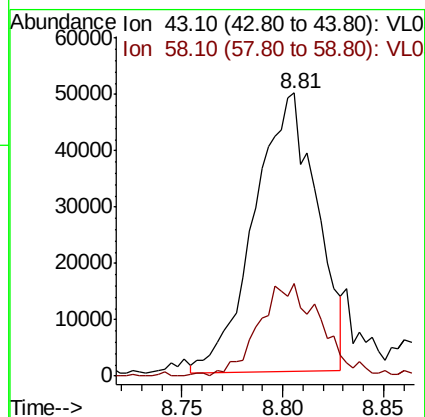
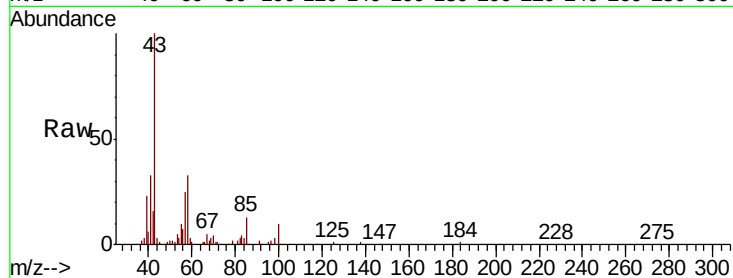
#50
 4-Methyl-2-Pentanone
 Concen: 0.448 ppbv
 RT: 8.81 min Scan# 1872
 Delta R.T. 0.02 min
 Lab File: VL034323.D
 Acq: 17 Oct 2019 19:22

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion	Ratio	Lower	Upper
43	100		
58	33.6	27.6	41.4

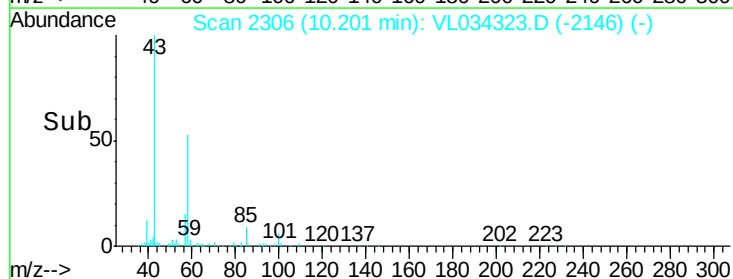
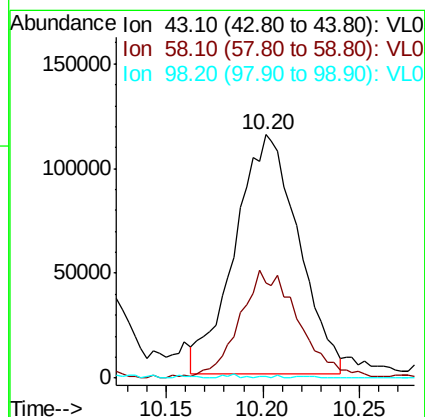
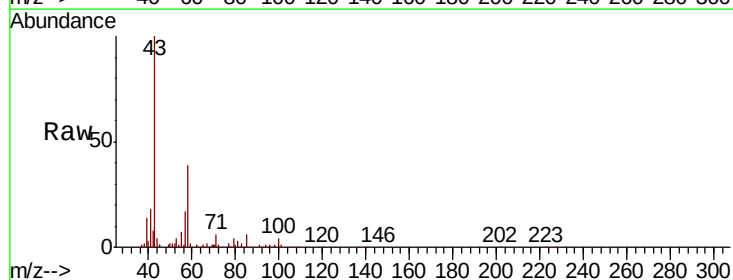
Manual Integrations
 APPROVED

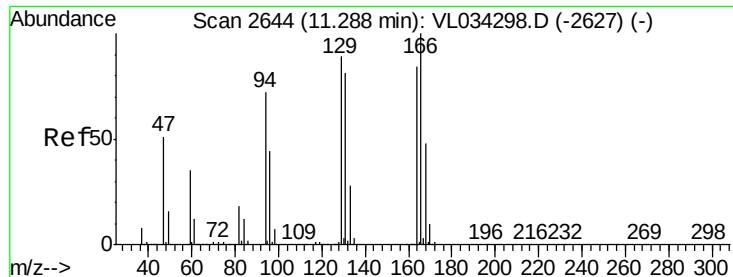
MMDadoda
 10/22/2019 2:55:06 PM



#51
 2-Hexanone
 Concen: 1.343 ppbv
 RT: 10.20 min Scan# 2306
 Delta R.T. 0.01 min
 Lab File: VL034323.D
 Acq: 17 Oct 2019 19:22

Tgt Ion	Ratio	Lower	Upper
43	100		
58	42.9	37.0	55.6
98	0.6	0.2	0.2#





#52

Tetrachloroethene

Concen: 239.218 ppbv

RT: 11.35 min Scan# 2662

Delta R.T. 0.06 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Instrument :

MSVOA_L

ClientSampled :

SV1

Tot Ion:164 Resp:18169840

Ion Ratio Lower Upper

164 100

166 105.6 95.3 142.9

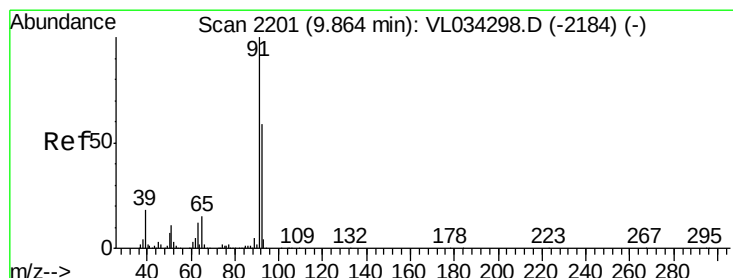
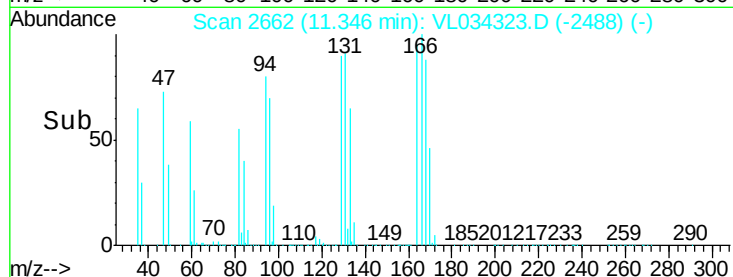
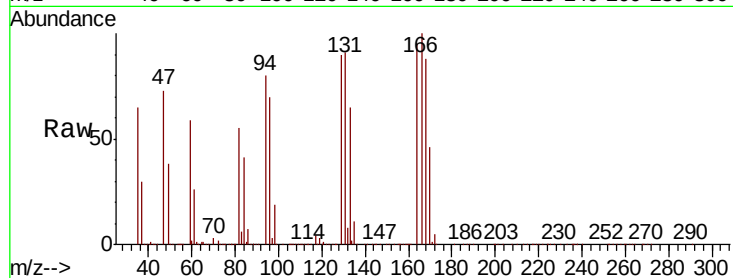
129 95.2 84.5 126.7

131 96.2 77.3 115.9

Manual Integrations
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MMDadoda

10/22/2019 2:55:06 PM



#53

Toluene

Concen: 7.369 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VL034323.D

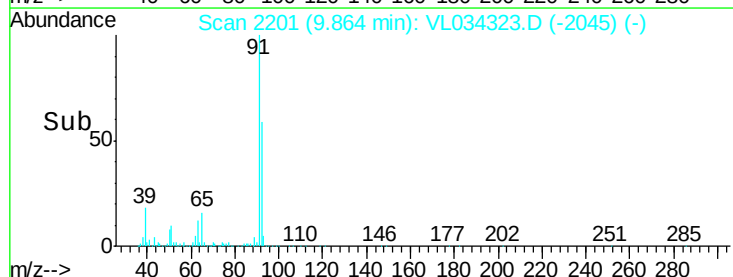
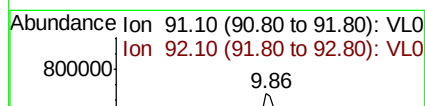
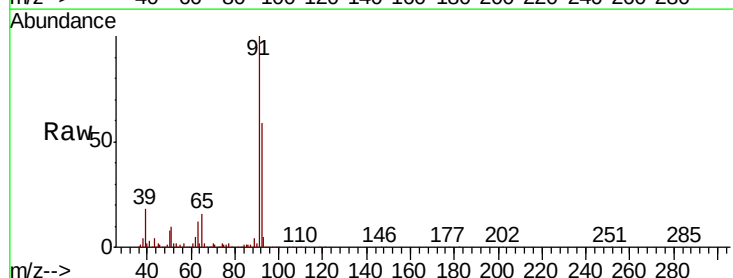
Acq: 17 Oct 2019 19:22

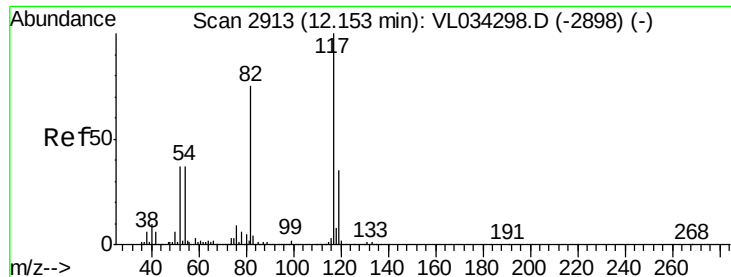
Tgt Ion: 91 Resp: 1575881

Ion Ratio Lower Upper

91 100

92 59.6 48.4 72.6





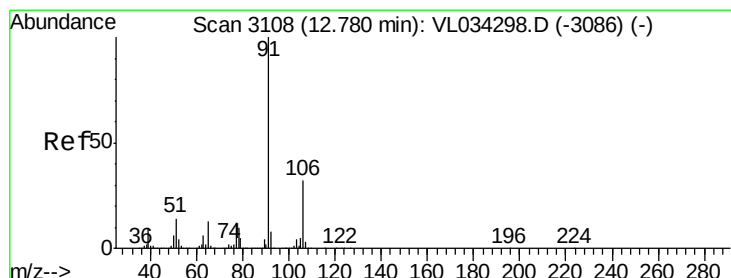
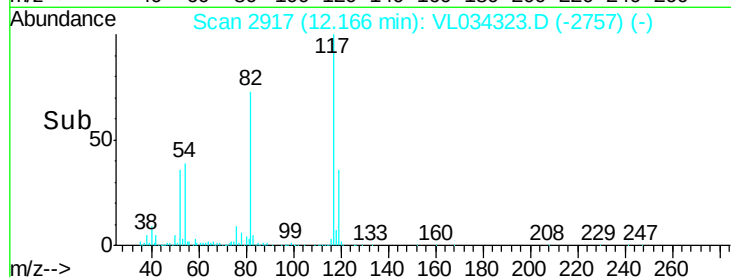
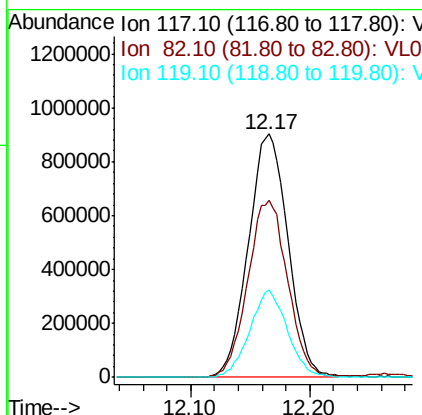
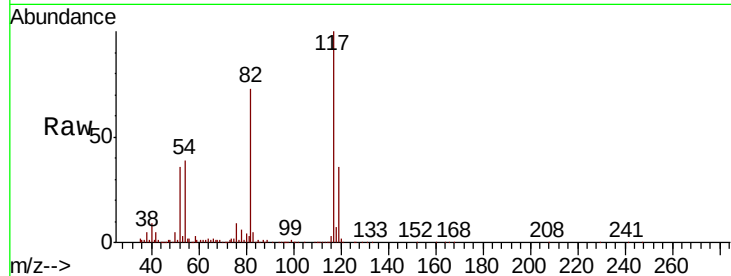
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.01 min
Lab File: VL034323.D
Acq: 17 Oct 2019 19:22

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	Ratio	Lower	Upper
117	100		
82	73.0	55.5	83.3
119	34.2	26.5	39.7

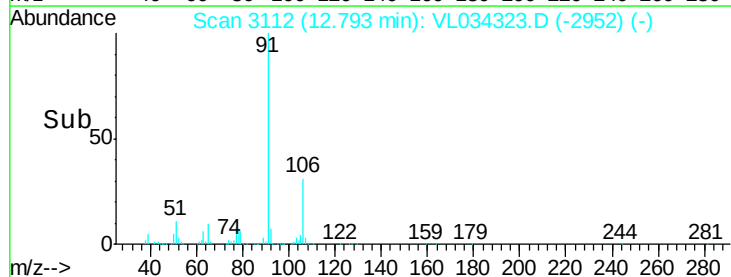
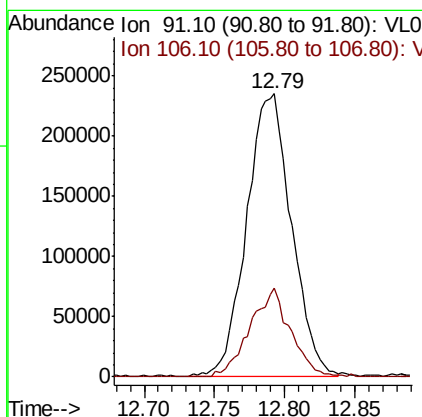
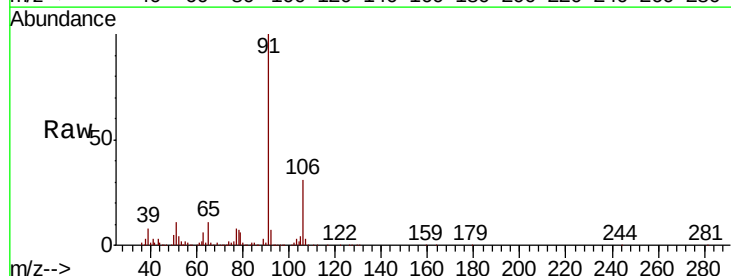
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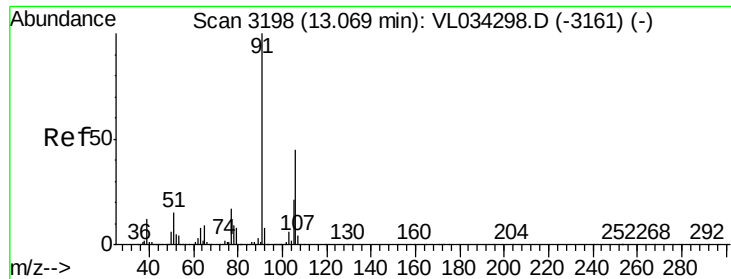
MMDadoda
10/22/2019 2:55:06 PM



#58
Ethyl Benzene
Concen: 1.791 ppbv
RT: 12.79 min Scan# 3112
Delta R.T. 0.01 min
Lab File: VL034323.D
Acq: 17 Oct 2019 19:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.2	25.3	37.9





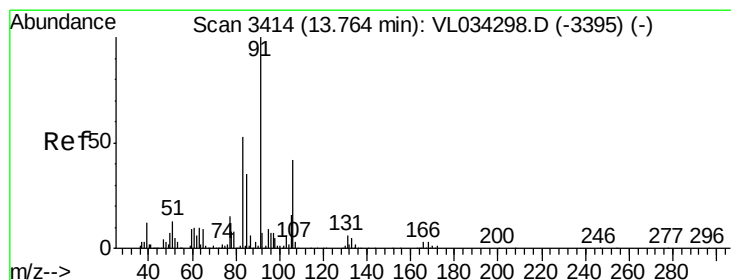
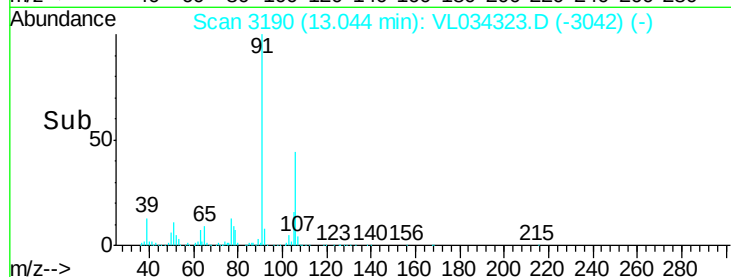
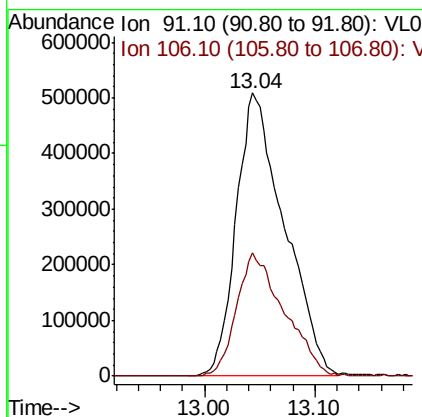
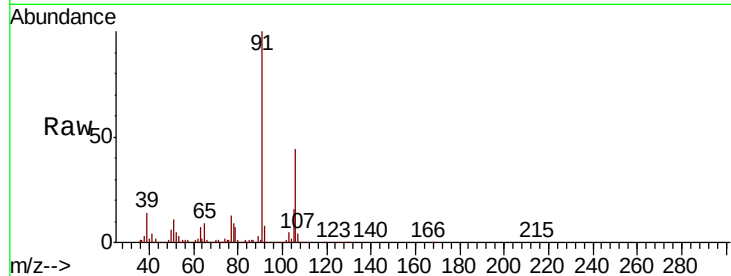
#59
m/p-Xylene
Concen: 6.065 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. -0.03 min
Lab File: VL034323.D
Acq: 17 Oct 2019 19:22

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion: 91 Resp: 1532462
Ion Ratio Lower Upper
91 100
106 43.2 35.4 53.2

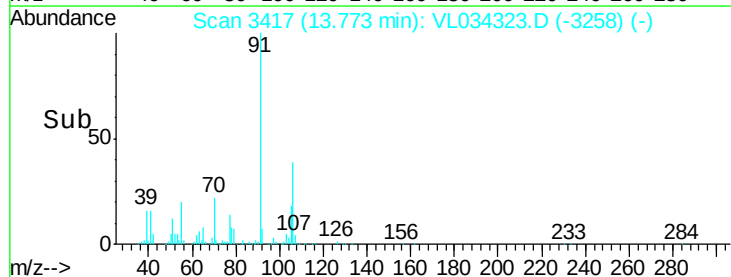
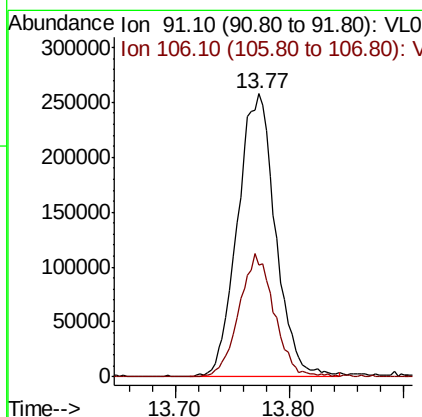
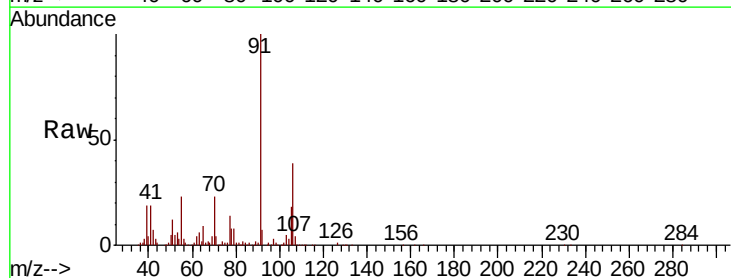
Manual Integrations
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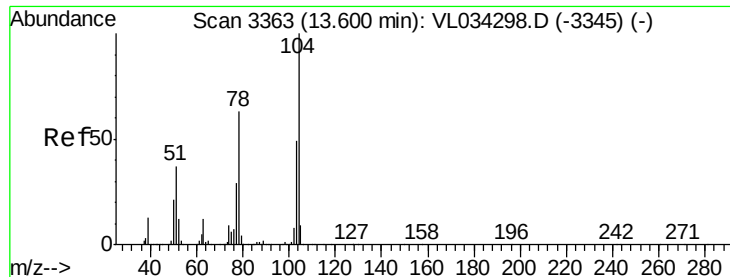
MMDadoda
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#60
o-Xylene
Concen: 2.379 ppbv m
RT: 13.77 min Scan# 3417
Delta R.T. 0.01 min
Lab File: VL034323.D
Acq: 17 Oct 2019 19:22

Tgt Ion: 91 Resp: 598579
Ion Ratio Lower Upper
91 100
106 40.4 21.6 64.6





#61

Styrene

Concen: 0.208 ppbv m

RT: 13.60 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Instrument :

MSVOA_L

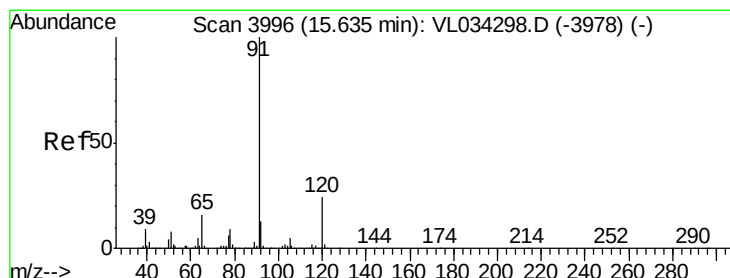
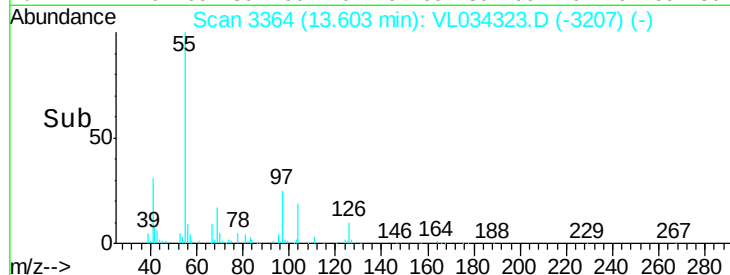
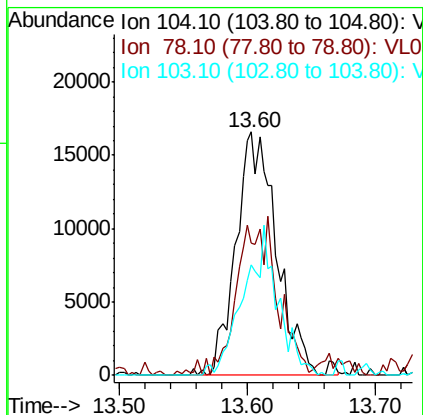
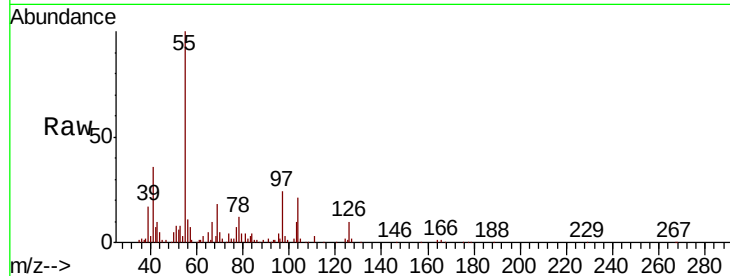
ClientSampled :

SV1

Tot Ion	Ratio	Lower	Upper
104	100		
78	64.5	47.8	71.8
103	51.3	39.0	58.6

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#64

n-propylbenzene

Concen: 0.499 ppbv m

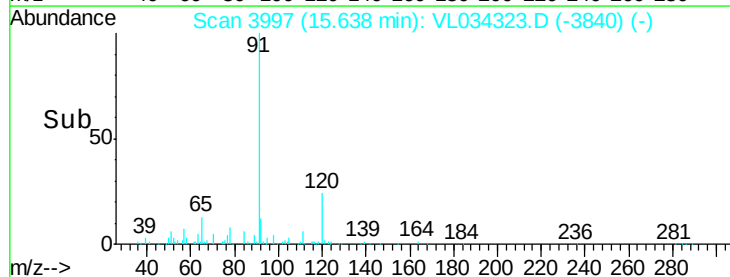
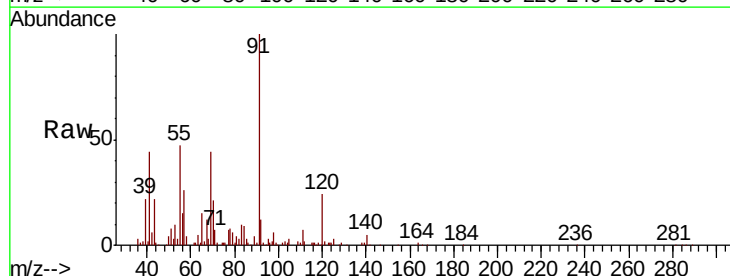
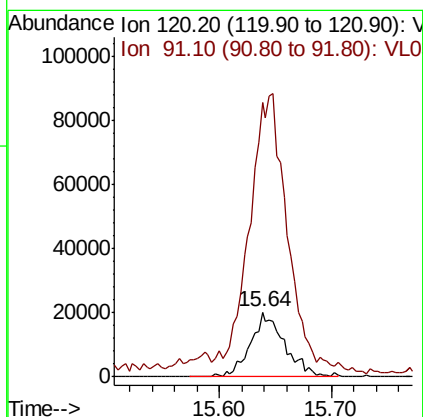
RT: 15.64 min Scan# 3997

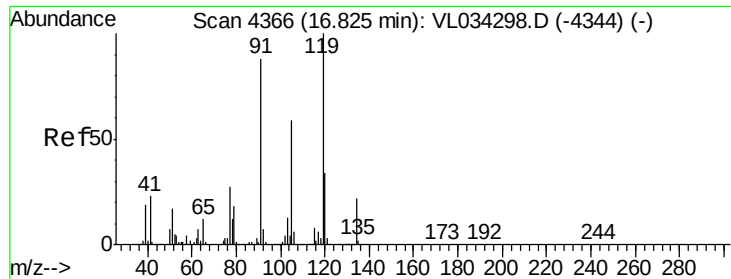
Delta R.T. 0.00 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Tgt Ion	Ratio	Lower	Upper
120	100		
91	516.3	374.9	562.3





#65

tert-Butylbenzene

Concen: 0.162 ppbv m

RT: 16.85 min Scan# 4375

Delta R.T. 0.03 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Instrument :

MSVOA_L

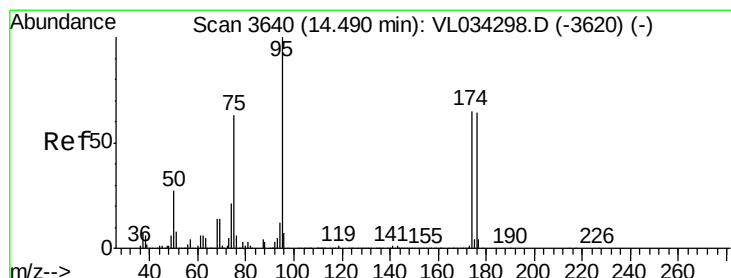
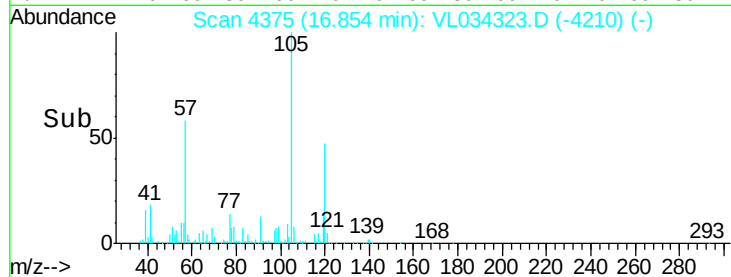
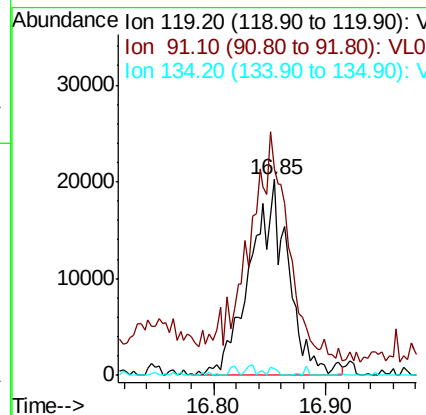
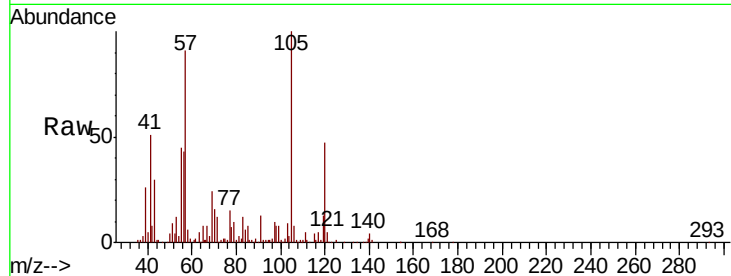
ClientSampleId :

SV1

Tot Ion:119 Resp: 47774
 Ion Ratio Lower Upper
 119 100
 91 0.0 71.4 107.0#
 134 3.3 15.9 23.9#

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 10/22/2019 2:55:06 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 10.446 ppbv

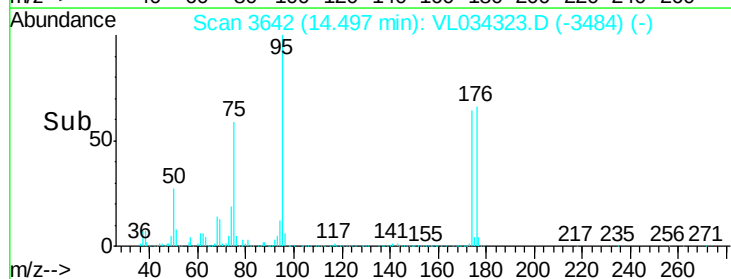
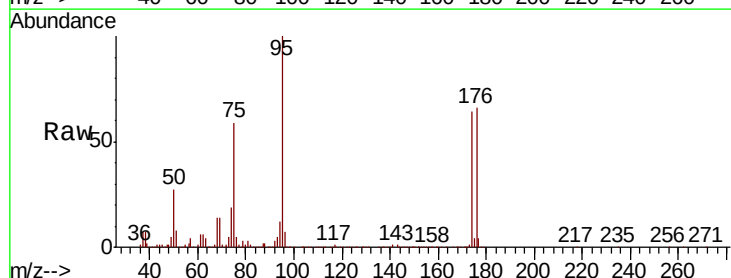
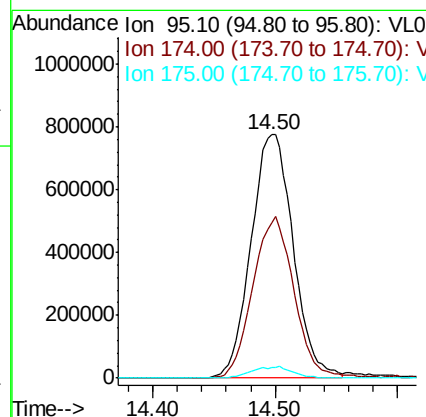
RT: 14.50 min Scan# 3642

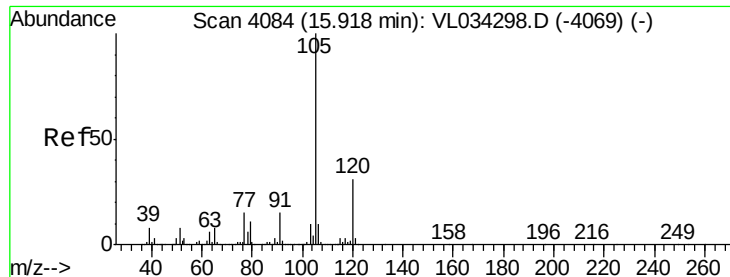
Delta R.T. 0.01 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Tgt Ion: 95 Resp: 1845735
 Ion Ratio Lower Upper
 95 100
 174 66.1 52.6 78.8
 175 4.6 3.8 5.6





#72

4-Ethyltoluene

Concen: 0.669 ppbv

RT: 15.92 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

Instrument :

MSVOA_L

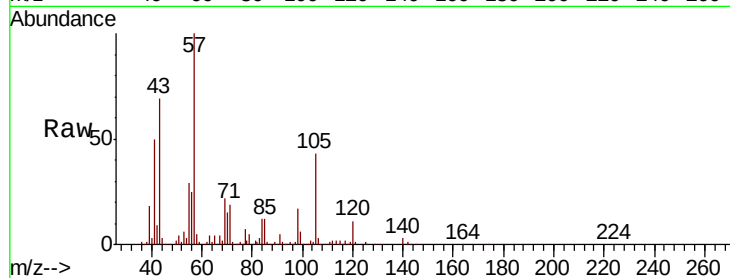
ClientSampled :

SV1

Tot Ion:	105	Resp:	189170
Ion Ratio	Lower	Upper	
105	100		
120	32.1	23.8	35.8
91	16.6	11.2	16.8
77	18.8	12.8	19.2

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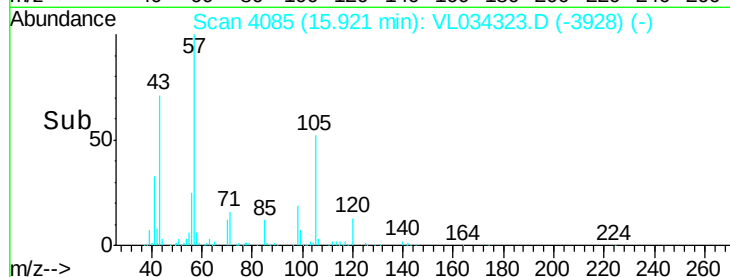
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

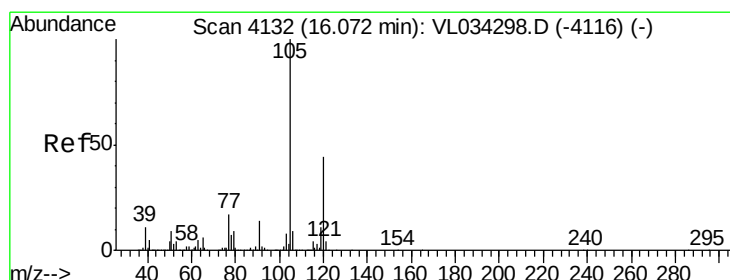
Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Time-->



Time-->



#73

1,3,5-Trimethylbenzene

Concen: 0.463 ppbv

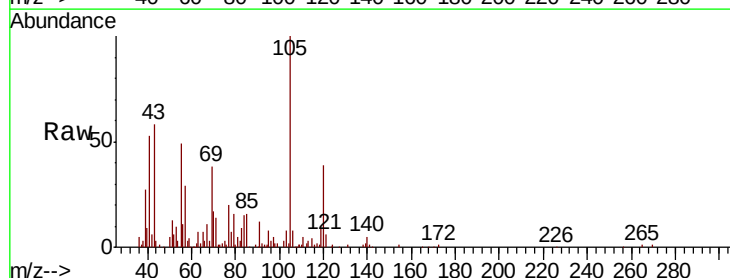
RT: 16.08 min Scan# 4134

Delta R.T. 0.01 min

Lab File: VL034323.D

Acq: 17 Oct 2019 19:22

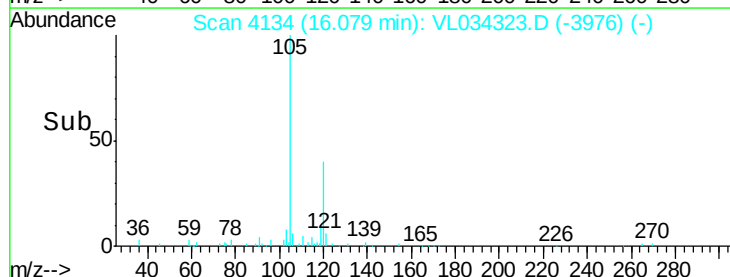
Tgt Ion:	105	Resp:	129763
Ion Ratio	Lower	Upper	
105	100		
120	39.0	35.2	52.8



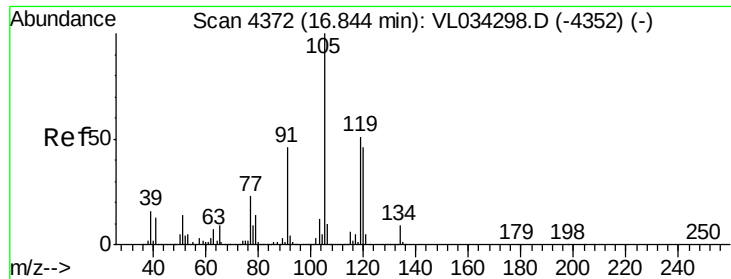
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Time-->



Time-->



#74
 1,2,4-Trimethylbenzene
 Concen: 1.397 ppbv
 RT: 16.85 min Scan# 4373
 Delta R.T. 0.00 min
 Lab File: VL034323.D
 Acq: 17 Oct 2019 19:22

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	40.7	37.0	55.6
91	8.7	38.2	57.2#
77	14.0	19.0	28.4#

Manual Integrations
 APPROVED

MMDadoda
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