

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101719\
 Data File : VL034324.D
 Acq On : 17 Oct 2019 20:03
 Operator : SY/AP
 Sample : K5409-01DUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DUP

Manual Integrations
 APPROVED

MMDadoda
 10/22/2019 2:55:11 PM

Quant Time: Oct 18 05:26:48 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 05:26:48 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	1067767	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2149507	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.17	117	2197565	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.50	95	1858490	9.99	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	40045	0.218	ppbv	96
3) Chlorodifluoromethane	2.97	51	39507m	0.316	ppbv	
4) Chloromethane	3.12	50	83563	1.129	ppbv	98
5) Vinyl Chloride	3.24	62	18007	0.255	ppbv #	88
7) Chloroethane	3.54	64	2713m	0.109	ppbv	
9) Propene	2.99	41	1538243	27.726	ppbv	97
10) Heptane	8.17	43	195290	1.371	ppbv	98
11) Trichlorofluoromethane	3.94	101	39605	0.227	ppbv	89
13) Ethanol	3.60	45	95895m	7.720	ppbv	
15) Acetone	3.84	43	8325468	54.512	ppbv #	64
17) tert-Butyl alcohol	4.30	59	98821	1.014	ppbv	97
19) Isopropyl Alcohol	3.97	45	104640	1.228	ppbv #	95
20) Methylene Chloride	4.35	84	136354	2.470	ppbv	94
22) trans-1,2-Dichloroethene	4.90	96	26361	0.527	ppbv #	92
26) Hexane	5.71	57	242624	2.208	ppbv #	40
27) Carbon Disulfide	4.56	76	521533	4.571	ppbv	98
29) Chloroform	5.79	83	112411	0.647	ppbv	91
30) Cyclohexane	7.18	84	52111m	0.645	ppbv	
31) cis-1,2-Dichloroethene	5.58	61	999634	8.962	ppbv	96
34) 2-Butanone	5.26	43	1283557	7.306	ppbv	99
35) Carbon Tetrachloride	7.06	117	9236m	0.049	ppbv	
36) Benzene	6.93	78	460048	2.231	ppbv #	90
38) Trichloroethene	7.88	130	710853	8.589	ppbv	96
44) 2,2,4-Trimethylpentane	7.92	57	203076m	0.532	ppbv	
50) 4-Methyl-2-Pentanone	8.80	43	115937	0.461	ppbv	97
51) 2-Hexanone	10.20	43	260660	1.264	ppbv #	99
52) Tetrachloroethene	11.34	164	18261602	225.897	ppbv	92
53) Toluene	9.86	91	1703789	7.486	ppbv	100
58) Ethyl Benzene	12.79	91	552567	1.799	ppbv	98
59) m/p-Xylene	13.04	91	1601135	6.016	ppbv	99
60) o-Xylene	13.77	91	594631	2.244	ppbv	100
61) Styrene	13.61	104	40676m	0.218	ppbv	
64) n-propylbenzene	15.64	120	41192m	0.459	ppbv	
65) tert-Butylbenzene	16.85	119	49205m	0.159	ppbv	
72) 4-Ethyltoluene	15.92	105	207035	0.695	ppbv	97
73) 1,3,5-Trimethylbenzene	16.08	105	131666	0.446	ppbv	99
74) 1,2,4-Trimethylbenzene	16.85	105	432483	1.405	ppbv #	69

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

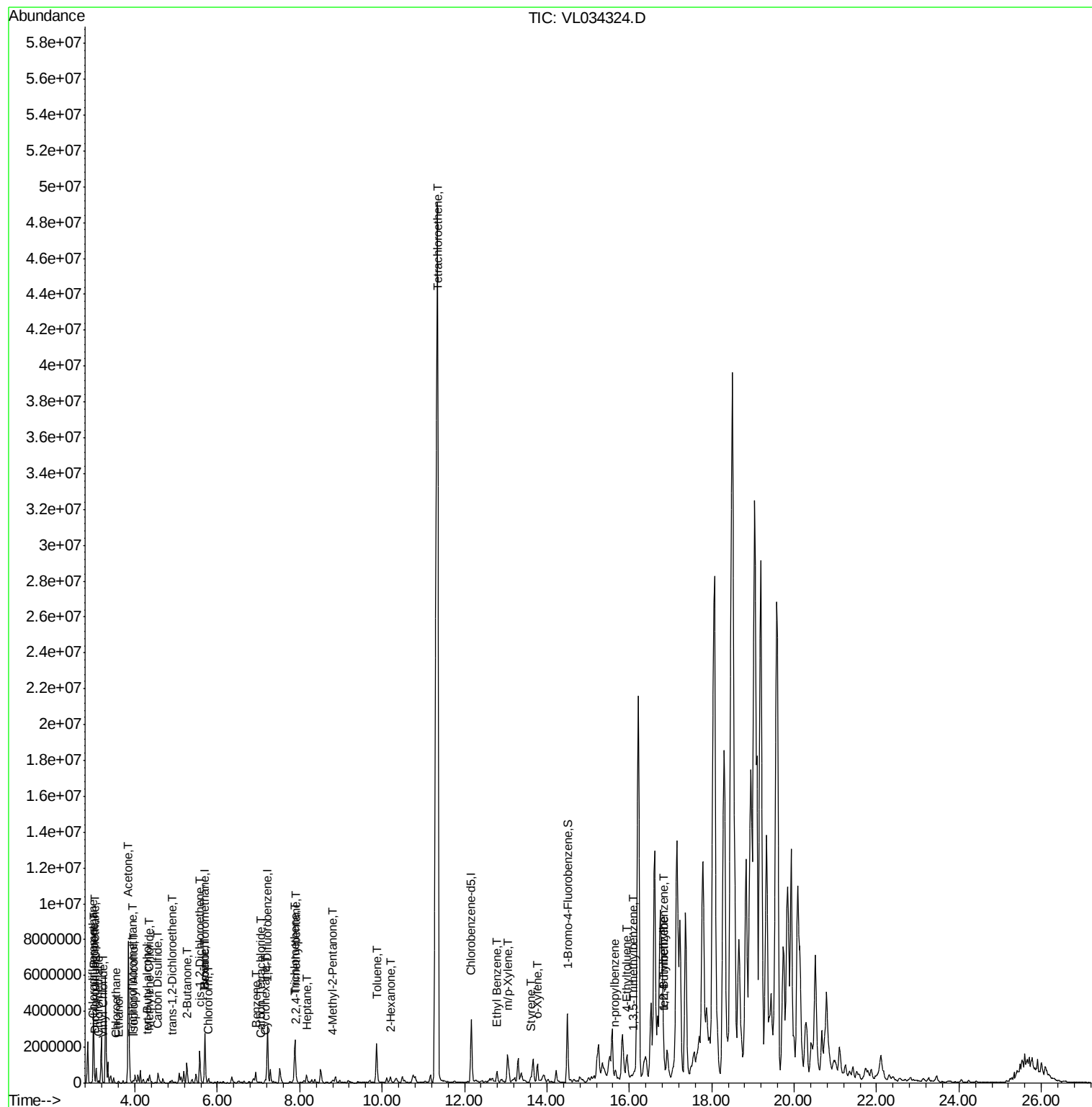
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101719\
Data File : VL034324.D
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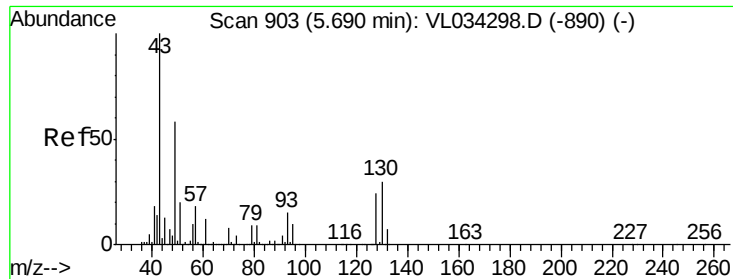
Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

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Quant Time: Oct 18 05:26:48 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu 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: VL034324.D

Acq: 17 Oct 2019 20:03

Instrument :

MSVOA_L

ClientSampleId :

SV1DUP

Tot Ion: 49 Resp: 1067767

Ion Ratio Lower Upper

49 100

128 44.2 20.6 61.8

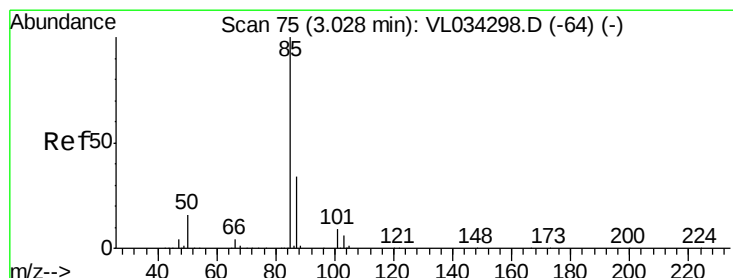
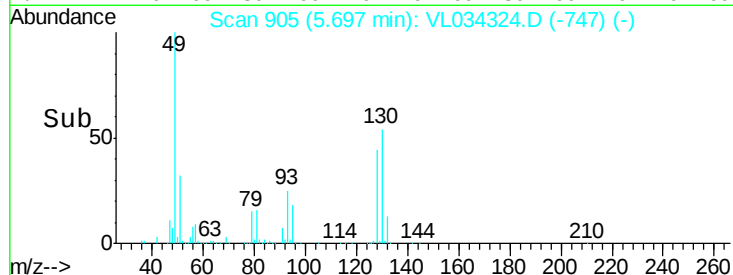
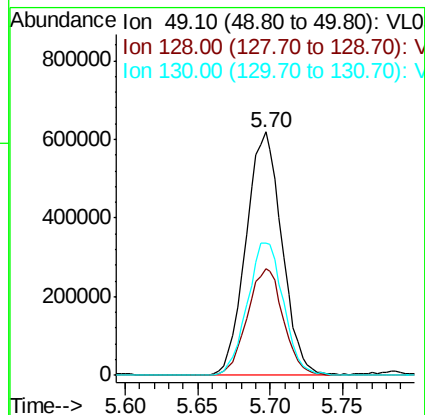
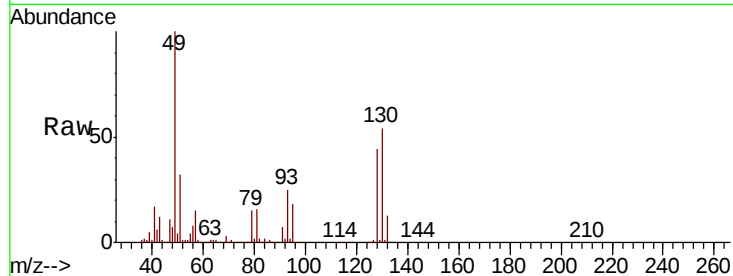
130 55.1 26.2 78.5

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#2

Dichlorodifluoromethane

Concen: 0.218 ppbv

RT: 3.03 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL034324.D

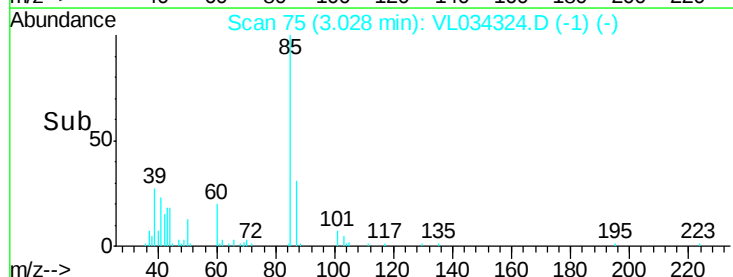
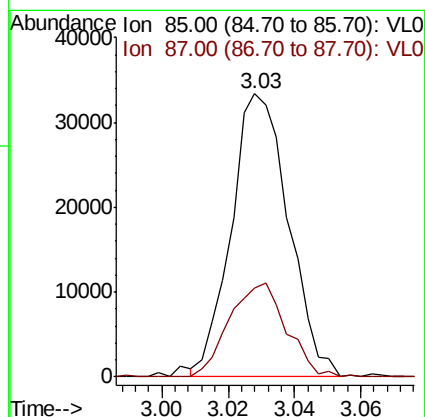
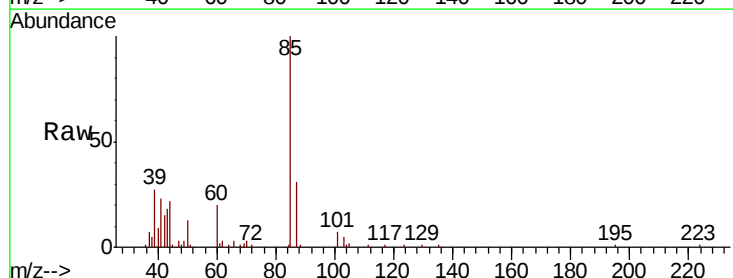
Acq: 17 Oct 2019 20:03

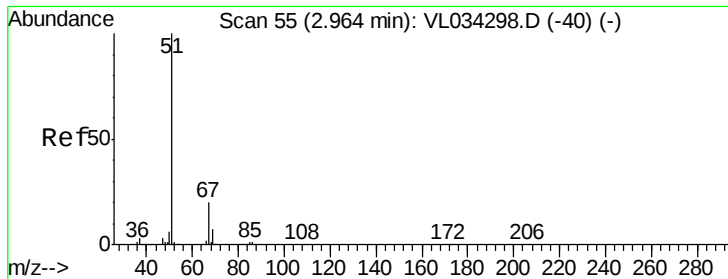
Tgt Ion: 85 Resp: 40045

Ion Ratio Lower Upper

85 100

87 31.4 27.0 40.6





#3

Chlorodifluoromethane

Concen: 0.316 ppbv

RT: 2.97 min Scan# 56

Delta R.T. 0.00 min

Lab File: VL034324.D

Acq: 17 Oct 2019 20:03

Instrument :

MSVOA_L

ClientSampleId :

SV1DUP

Tot Ion: 51 Resp: 39507

Ion Ratio Lower Upper

51 100

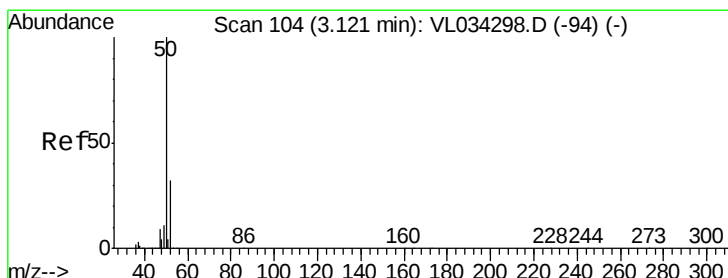
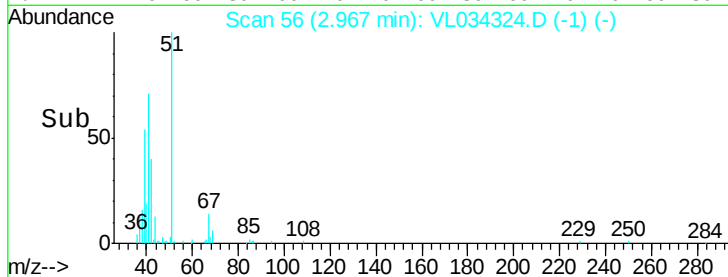
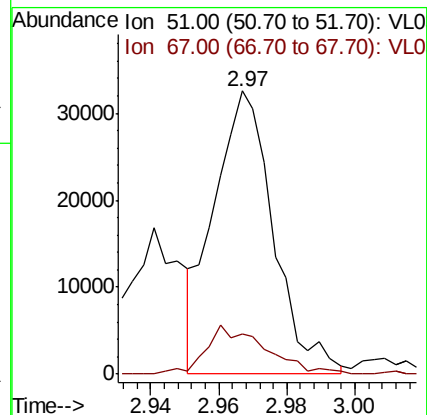
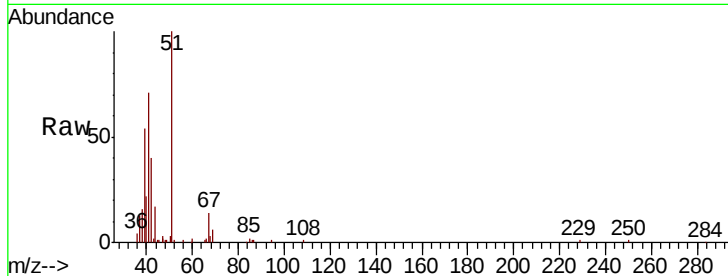
67 17.3 15.8 23.8

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#4

Chloromethane

Concen: 1.129 ppbv

RT: 3.12 min Scan# 105

Delta R.T. 0.00 min

Lab File: VL034324.D

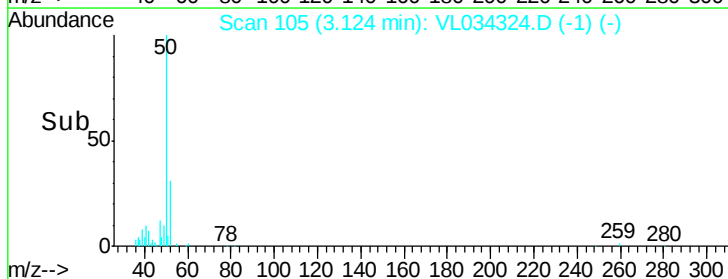
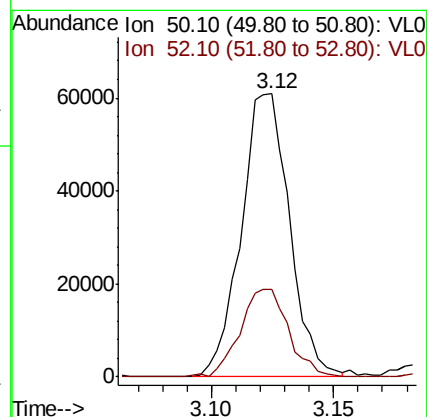
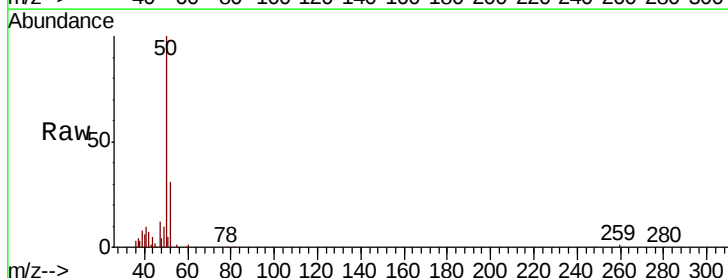
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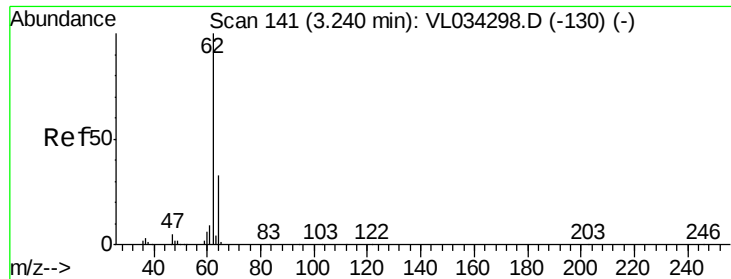
Tgt Ion: 50 Resp: 83563

Ion Ratio Lower Upper

50 100

52 30.9 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: VL034324.D

Acq: 17 Oct 2019 20:03

Instrument :

MSVOA_L

ClientSampleID :

SV1DUP

Tot Ion: 62 Resp: 18007

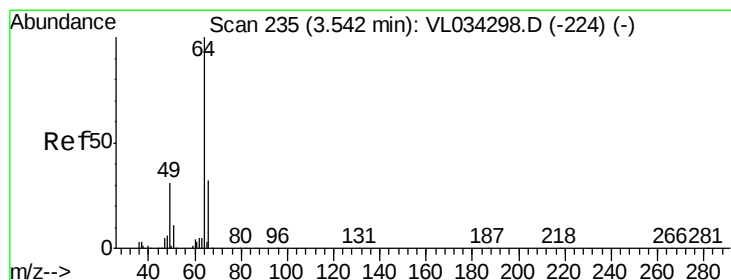
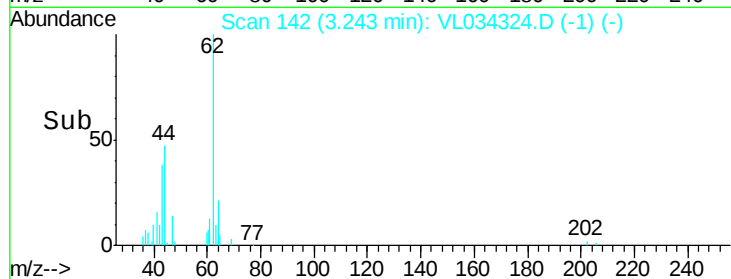
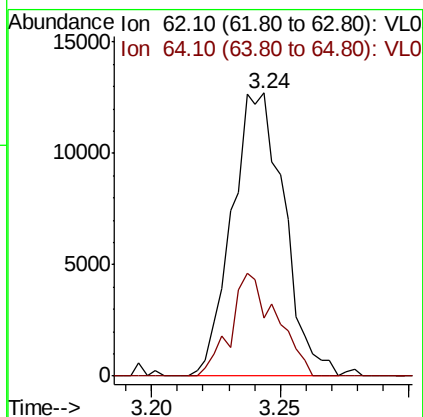
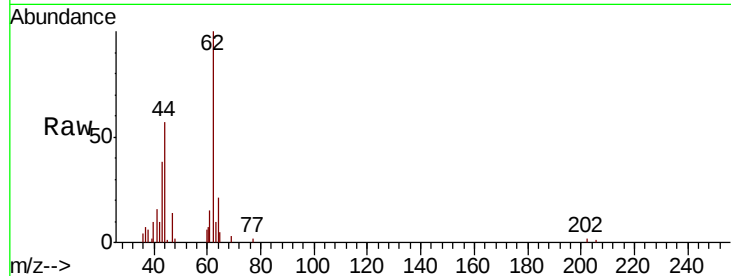
Ion Ratio Lower Upper

62 100

64 25.6 26.0 39.0#

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#7

Chloroethane

Concen: 0.109 ppbv m

RT: 3.54 min Scan# 234

Delta R.T. -0.00 min

Lab File: VL034324.D

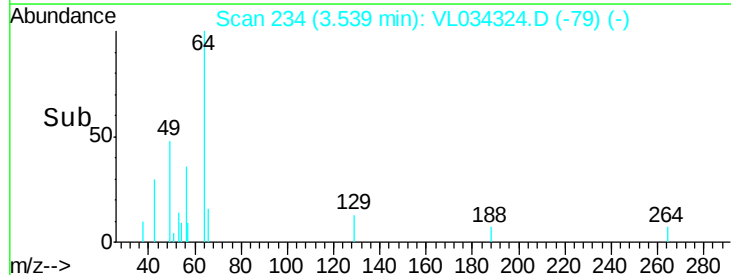
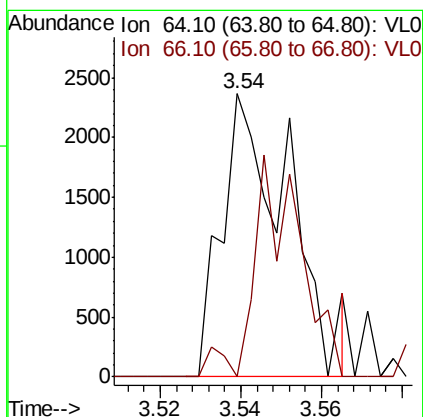
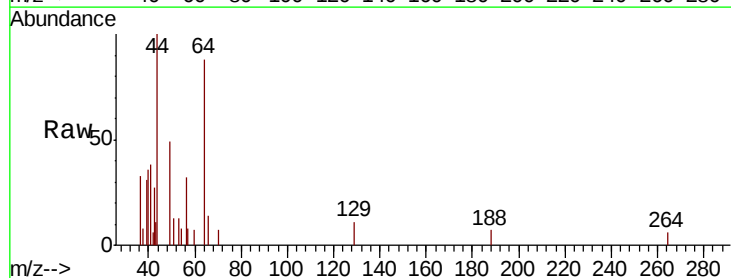
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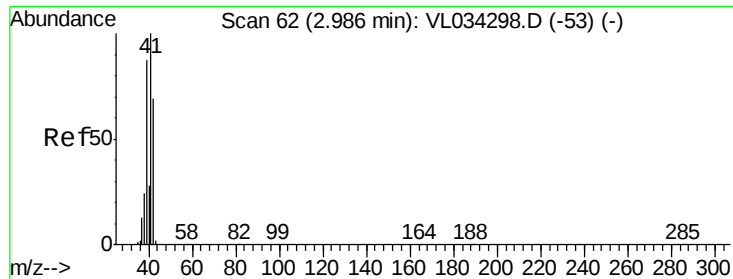
Tgt Ion: 64 Resp: 2713

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#





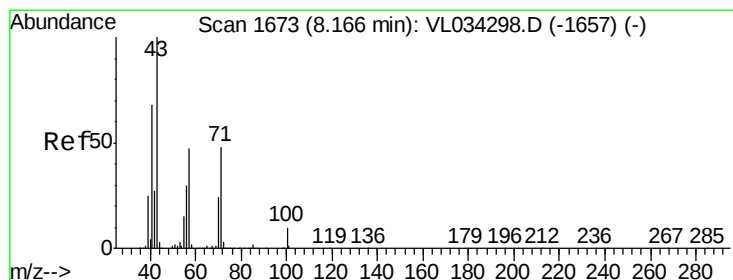
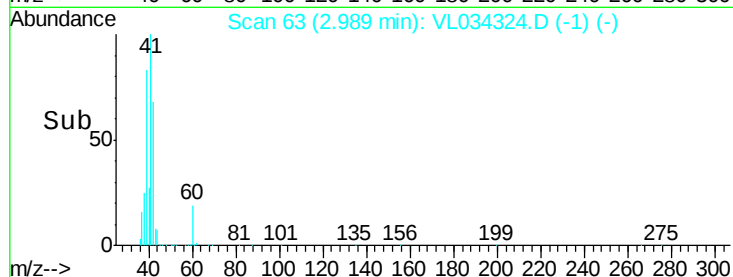
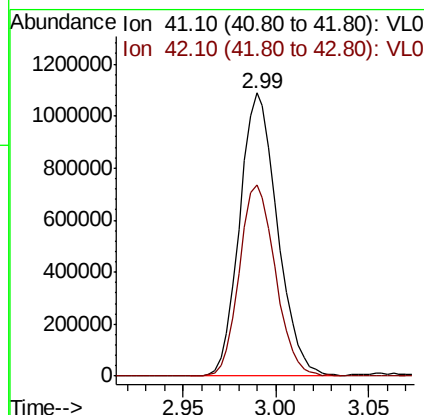
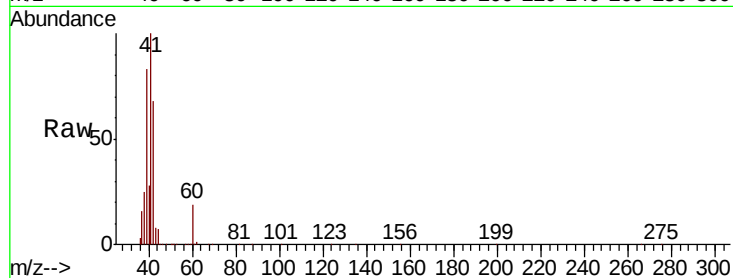
#9
 Propene
 Concen: 27.726 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T. 0.00 min
 Lab File: VL034324.D
 Acq: 17 Oct 2019 20:03

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DUP

Tot Ion: 41 Resp: 1538243
 Ion Ratio Lower Upper
 41 100
 42 64.8 53.9 80.9

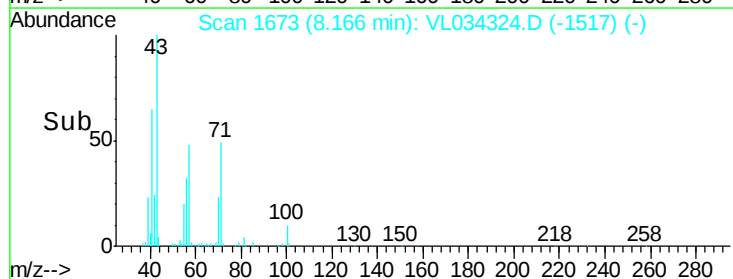
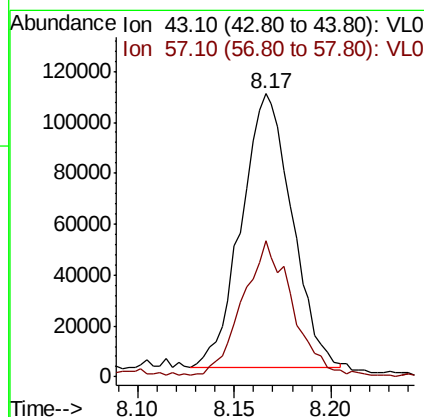
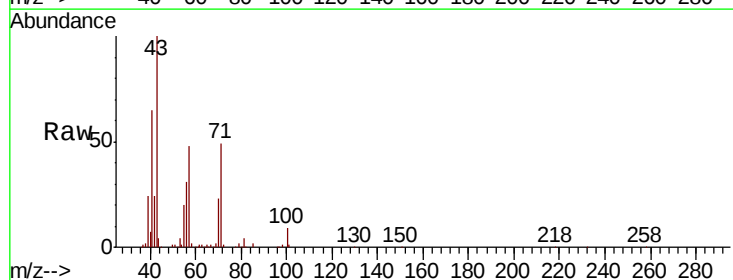
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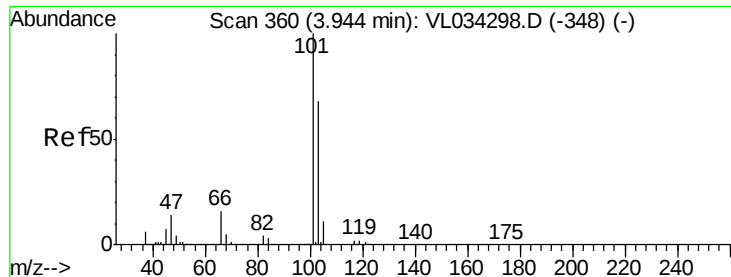
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#10
 Heptane
 Concen: 1.371 ppbv
 RT: 8.17 min Scan# 1673
 Delta R.T. 0.00 min
 Lab File: VL034324.D
 Acq: 17 Oct 2019 20:03

Tgt Ion: 43 Resp: 195290
 Ion Ratio Lower Upper
 43 100
 57 50.7 39.5 59.3





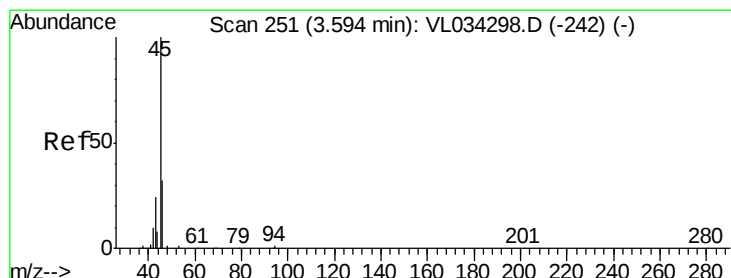
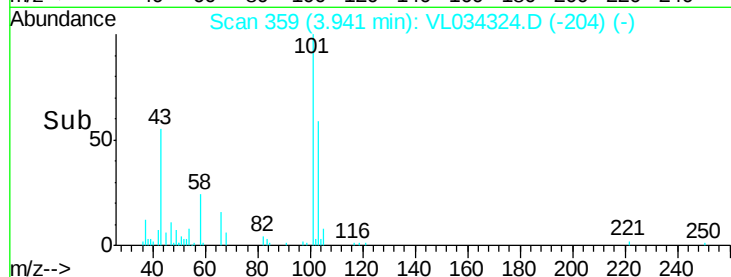
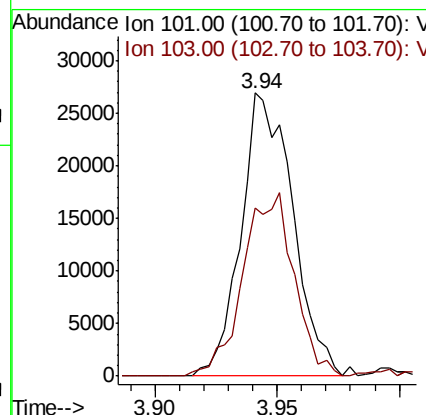
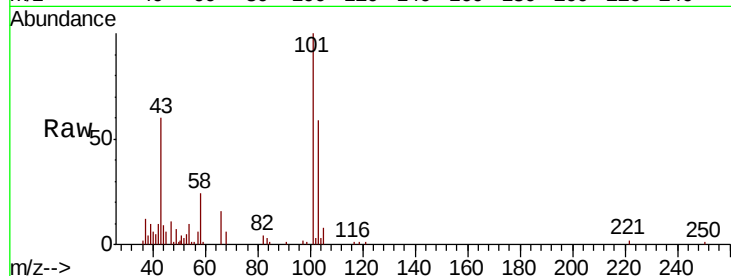
#11
 Trichlorofluoromethane
 Concen: 0.227 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.00 min
 Lab File: VL034324.D
 Acq: 17 Oct 2019 20:03

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DUP

Tot Ion	Ratio	Lower	Upper
101	100		
103	59.3	54.5	81.7

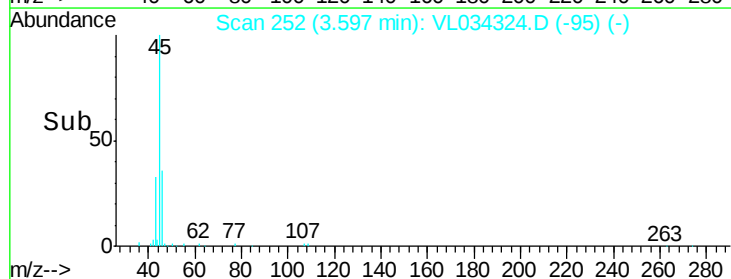
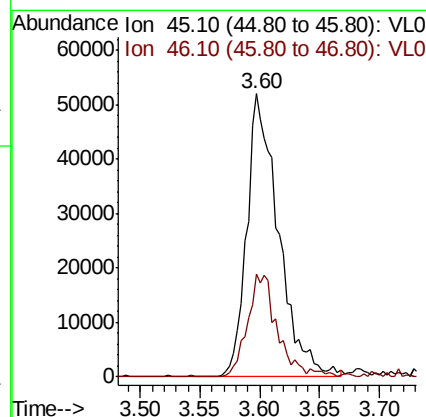
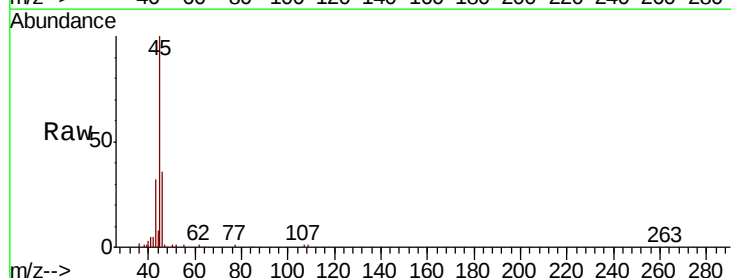
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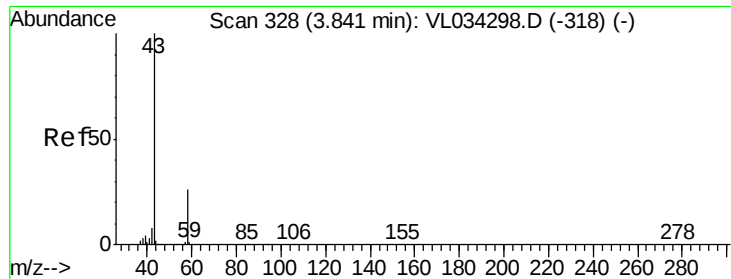
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#13
 Ethanol
 Concen: 7.720 ppbv m
 RT: 3.60 min Scan# 252
 Delta R.T. 0.00 min
 Lab File: VL034324.D
 Acq: 17 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
45	100		
46	34.8	15.8	63.2





#15

Acetone

Concen: 54.512 ppbv

RT: 3.84 min Scan# 328

Delta R.T. 0.00 min

Lab File: VL034324.D

Acq: 17 Oct 2019 20:03

Instrument :

MSVOA_L

ClientSampleId :

SV1DUP

Tot Ion: 43 Resp: 8325468

Ion Ratio Lower Upper

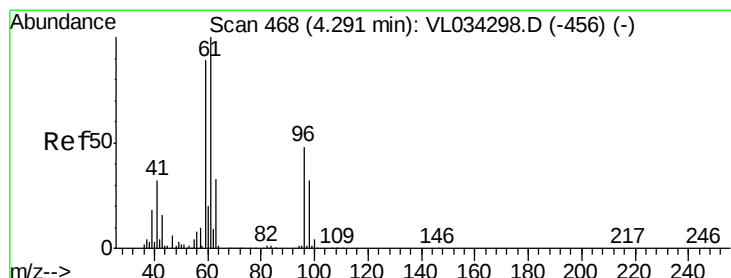
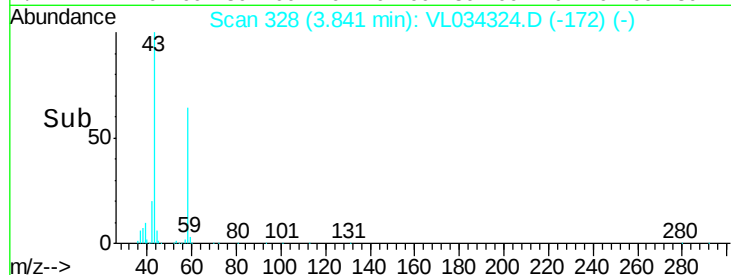
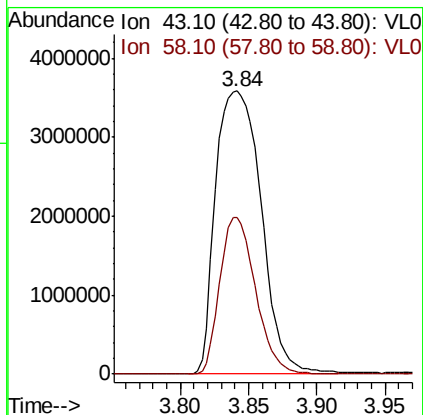
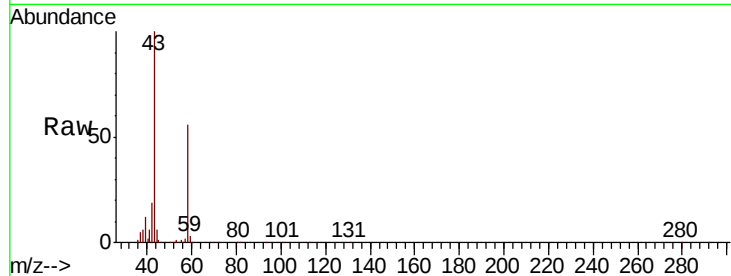
43 100

58 43.6 20.4 30.6#

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#17

tert-Butyl alcohol

Concen: 1.014 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.01 min

Lab File: VL034324.D

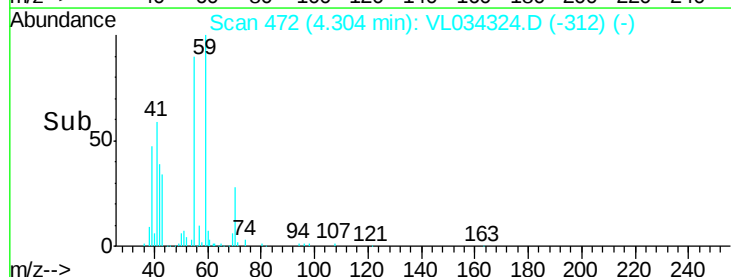
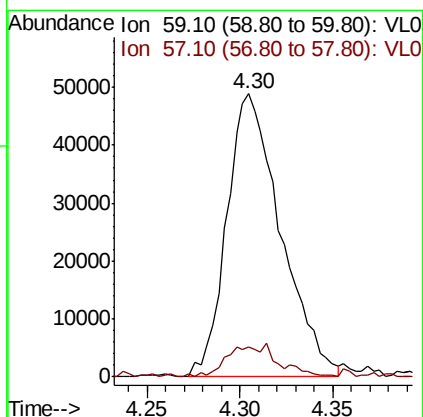
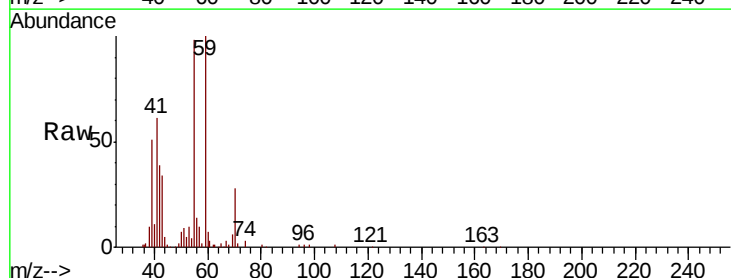
Acq: 17 Oct 2019 20:03

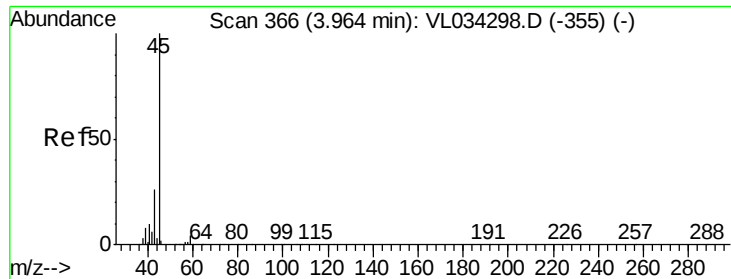
Tgt Ion: 59 Resp: 98821

Ion Ratio Lower Upper

59 100

57 10.0 8.8 13.2





#19

Isopropyl Alcohol

Concen: 1.228 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.01 min

Lab File: VL034324.D

Acq: 17 Oct 2019 20:03

Instrument :

MSVOA_L

ClientSampleId :

SV1DUP

Tot Ion: 45 Resp: 104640

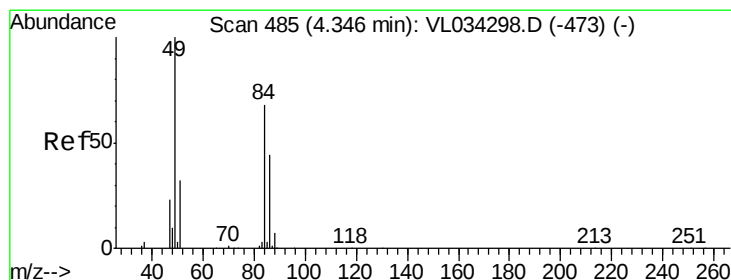
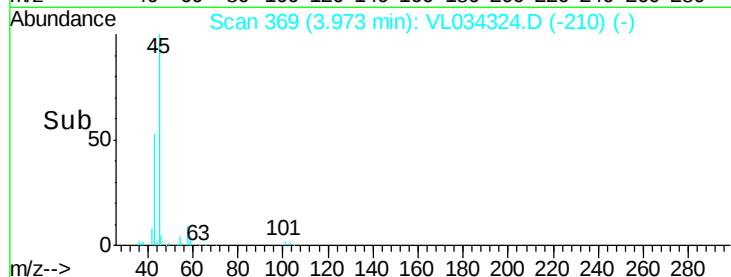
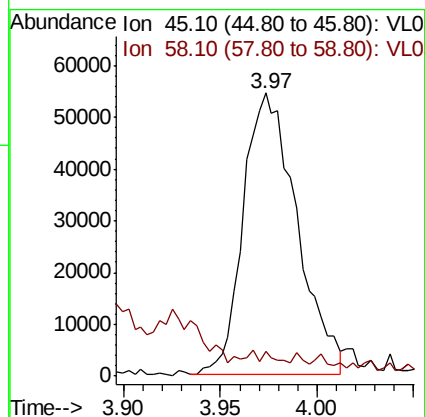
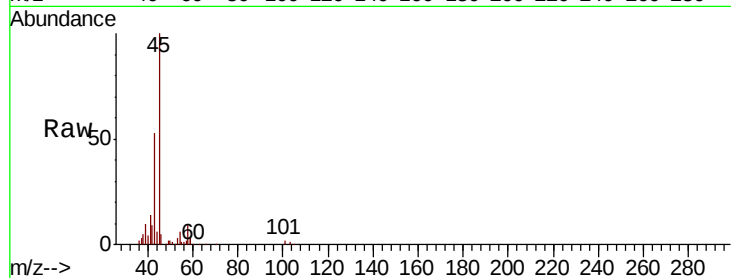
Ion Ratio Lower Upper

45 100

58 0.0 1.4 2.2#

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#20

Methylene Chloride

Concen: 2.470 ppbv

RT: 4.35 min Scan# 486

Delta R.T. 0.00 min

Lab File: VL034324.D

Acq: 17 Oct 2019 20:03

Tgt Ion: 84 Resp: 136354

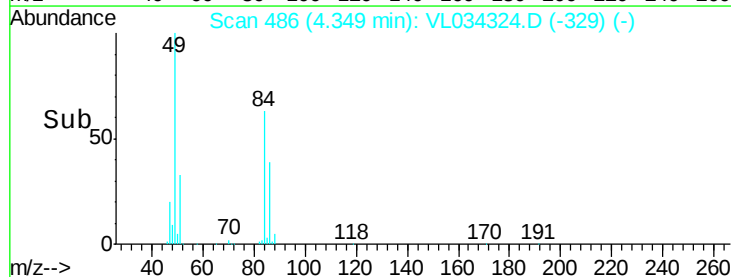
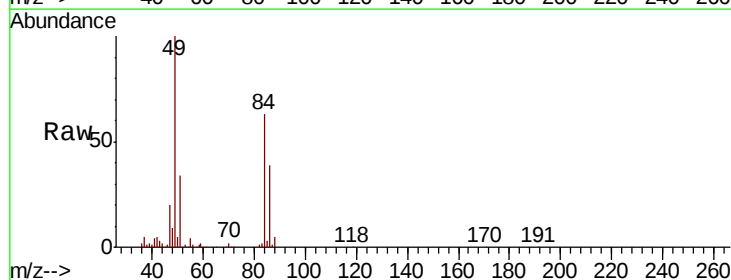
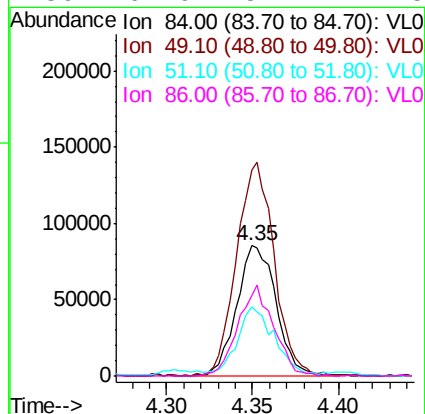
Ion Ratio Lower Upper

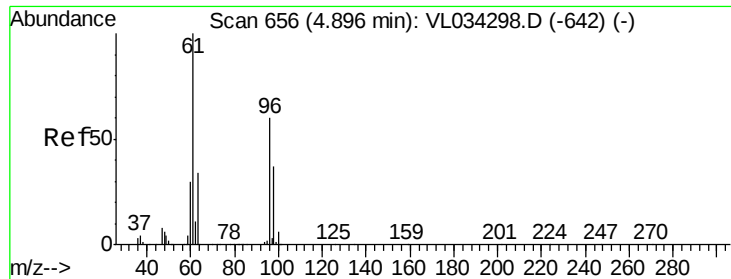
84 100

49 157.3 118.5 177.7

51 50.6 38.8 58.2

86 61.6 51.7 77.5





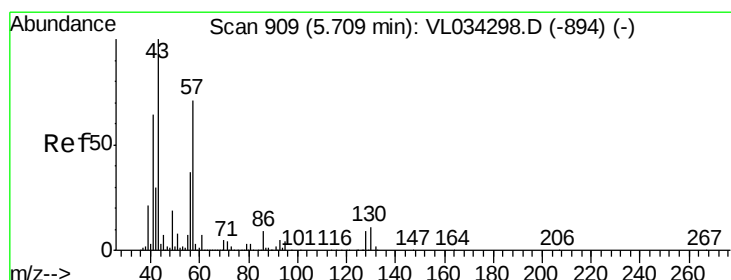
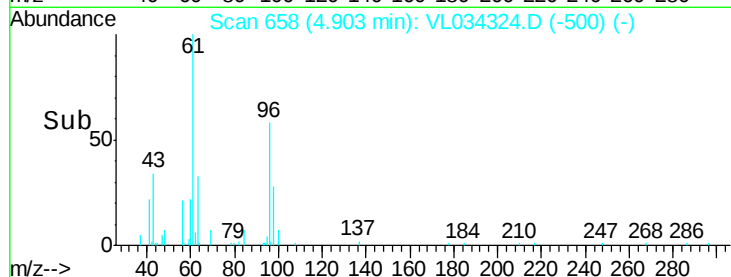
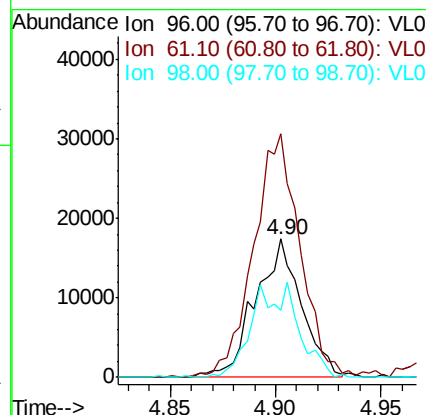
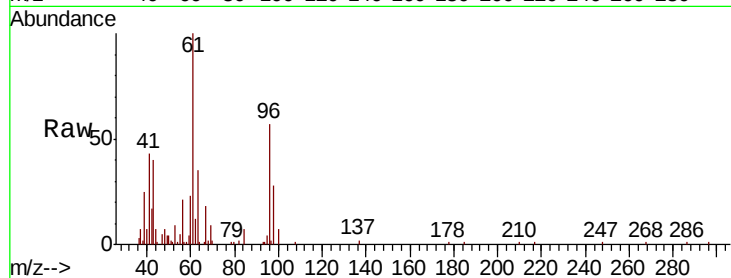
#22
trans-1,2-Dichloroethene
Concen: 0.527 ppbv
RT: 4.90 min Scan# 658
Delta R.T. 0.01 min
Lab File: VL034324.D
Acq: 17 Oct 2019 20:03

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	174.3	133.8	200.6	
98	48.7	49.4	74.0	

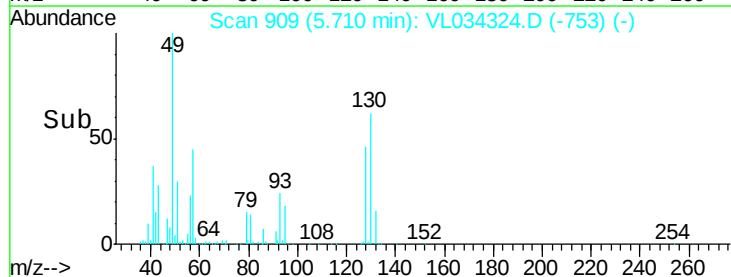
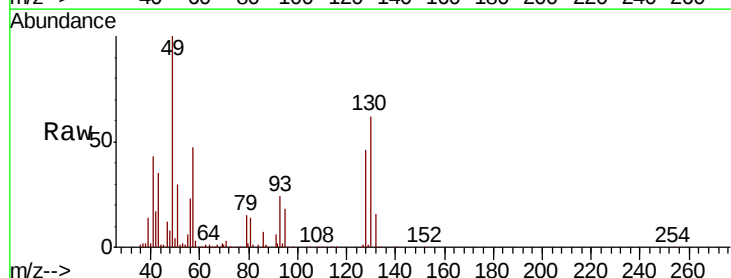
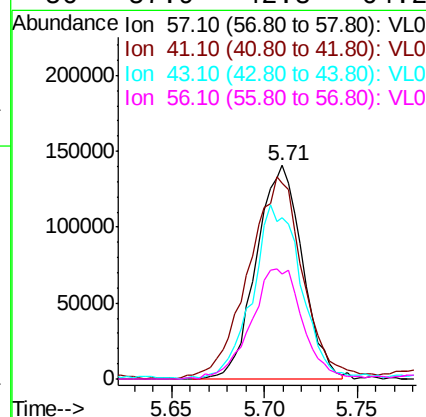
Manual Integrations
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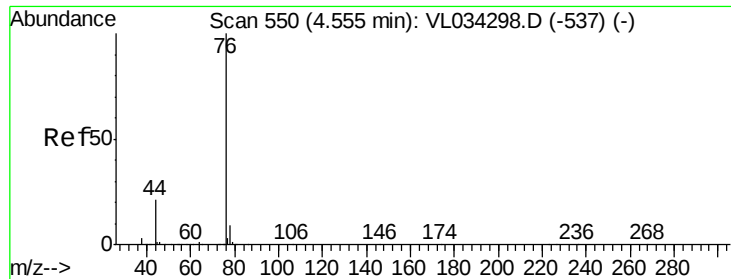
MMDadoda
10/22/2019 2:55:11 PM



#26
Hexane
Concen: 2.208 ppbv
RT: 5.71 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL034324.D
Acq: 17 Oct 2019 20:03

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	111.2	76.5	114.7	
43	85.2	188.5	282.7	
56	57.9	42.8	64.2	





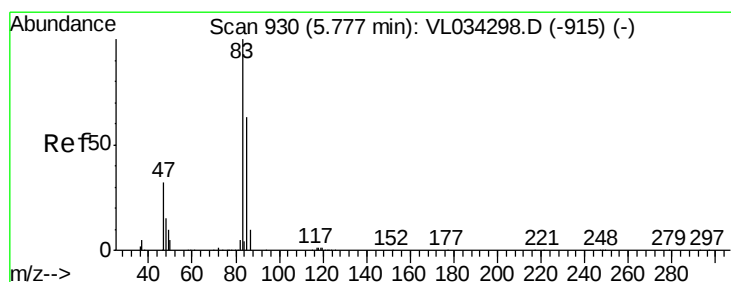
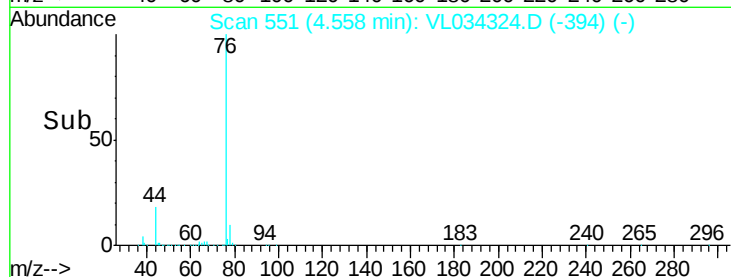
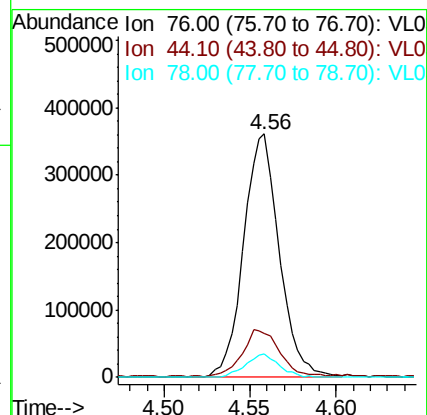
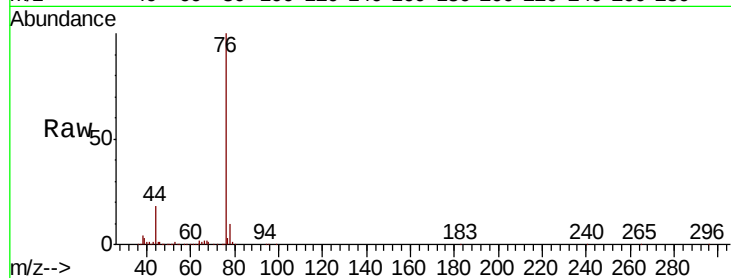
#27
Carbon Disulfide
Concen: 4.571 ppbv
RT: 4.56 min Scan# 551
Delta R.T. 0.00 min
Lab File: VL034324.D
Acq: 17 Oct 2019 20:03

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tot Ion	Ratio	Lower	Upper
76	100		
44	20.5	17.3	25.9
78	9.4	7.8	11.6

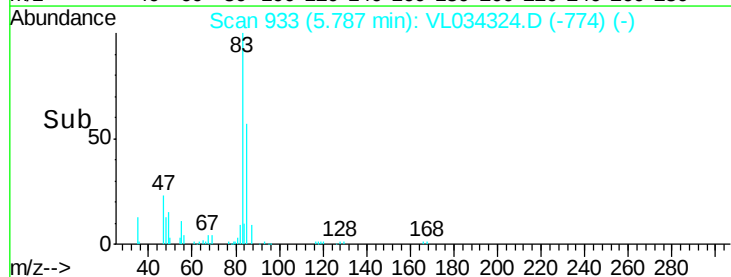
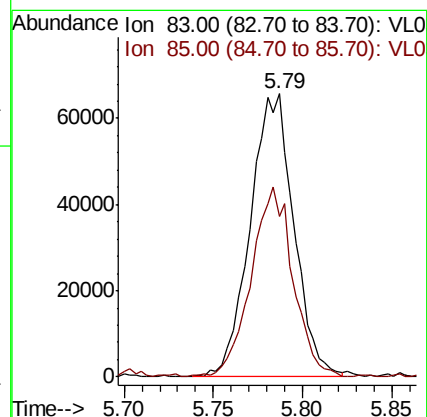
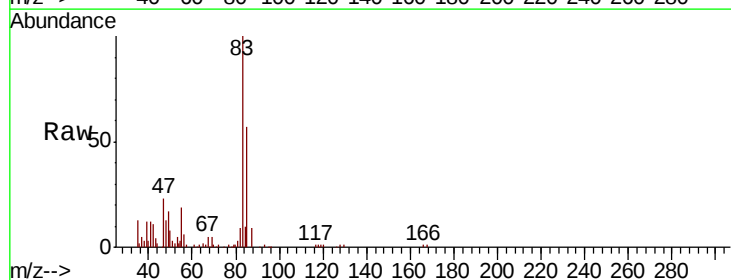
Manual Integrations
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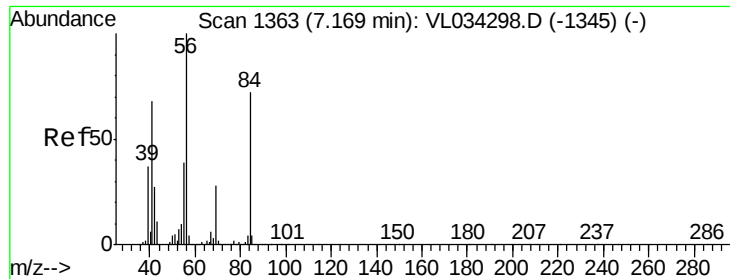
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10/22/2019 2:55:11 PM



#29
Chloroform
Concen: 0.647 ppbv
RT: 5.79 min Scan# 933
Delta R.T. 0.01 min
Lab File: VL034324.D
Acq: 17 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.3	50.5	75.7





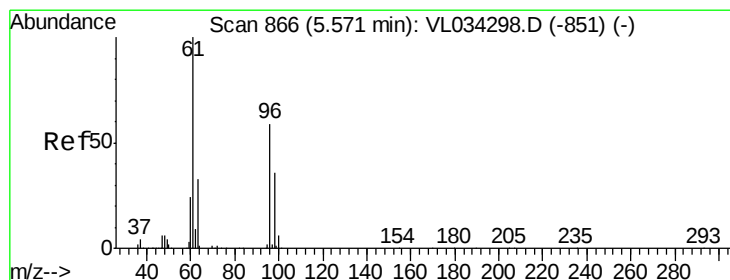
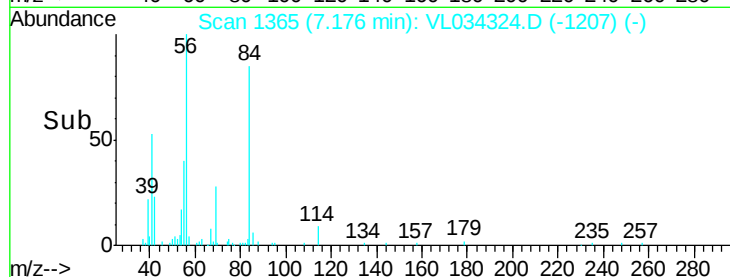
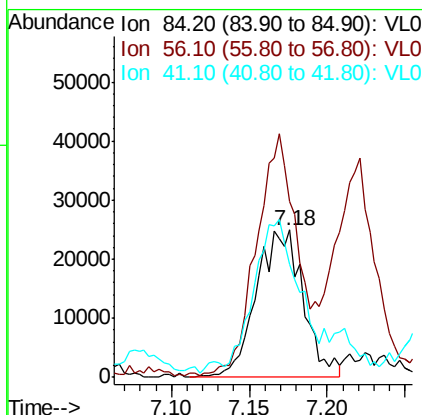
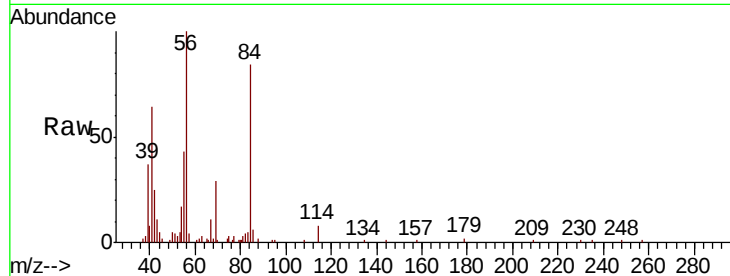
#30
Cvclohexane
Concen: 0.645 ppbv m
RT: 7.18 min Scan# 1365
Delta R.T. 0.01 min
Lab File: VL034324.D
Acq: 17 Oct 2019 20:03

Instrument :
MSVOA_L
ClientSampled :
SV1DUP

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	119.4	179.0#
41	0.0	78.7	118.1#

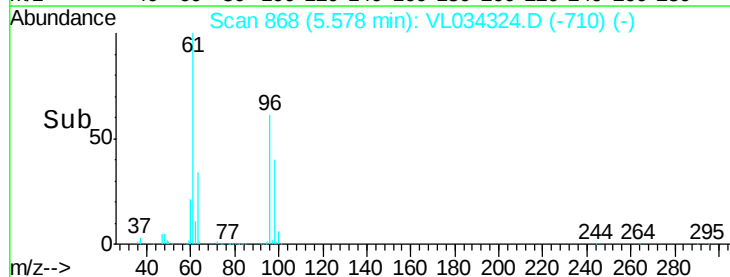
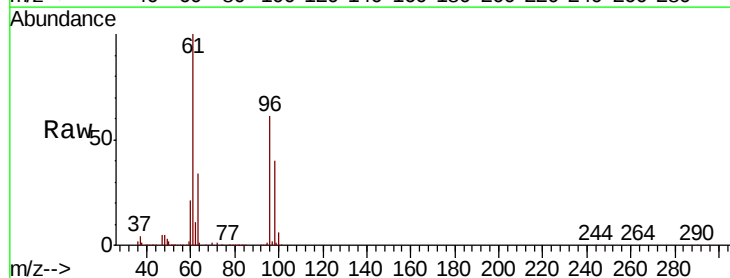
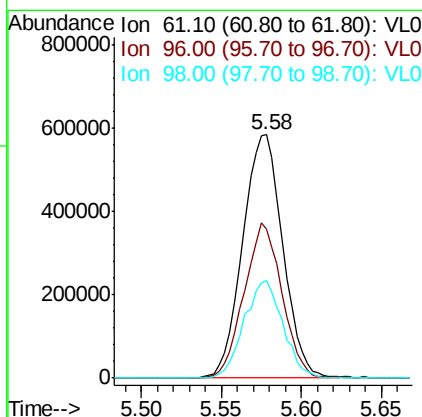
Manual Integrations
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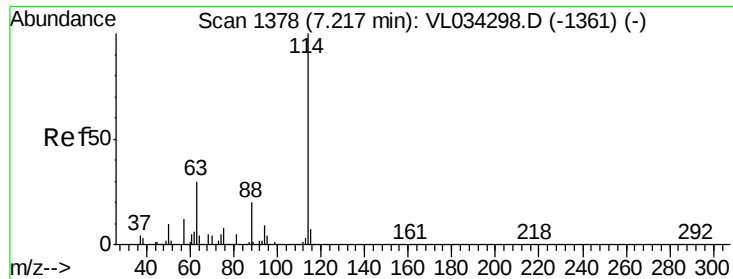
MMDadoda
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#31
cis-1,2-Dichloroethene
Concen: 8.962 ppbv
RT: 5.58 min Scan# 868
Delta R.T. 0.01 min
Lab File: VL034324.D
Acq: 17 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
61	100		
96	61.0	47.5	71.3
98	39.9	28.8	43.2





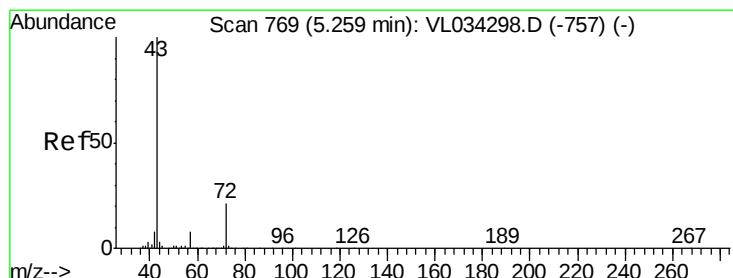
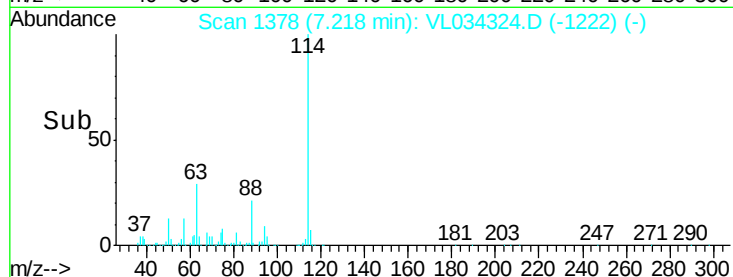
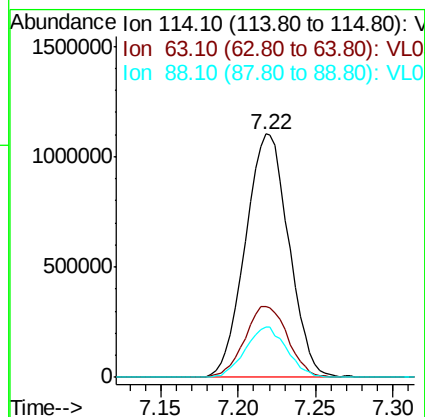
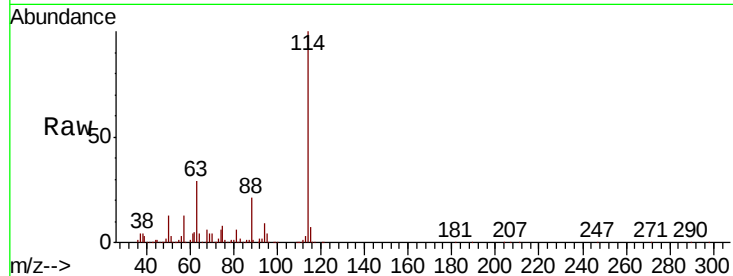
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. 0.00 min
 Lab File: VL034324.D
 Acq: 17 Oct 2019 20:03

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DUP

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.1	25.2	37.8
88	19.9	16.0	24.0

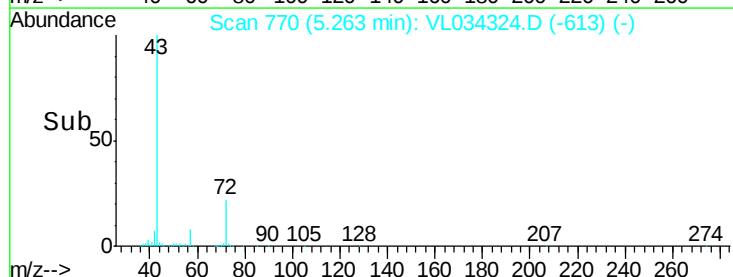
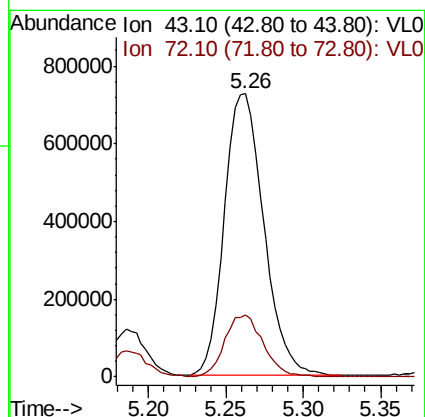
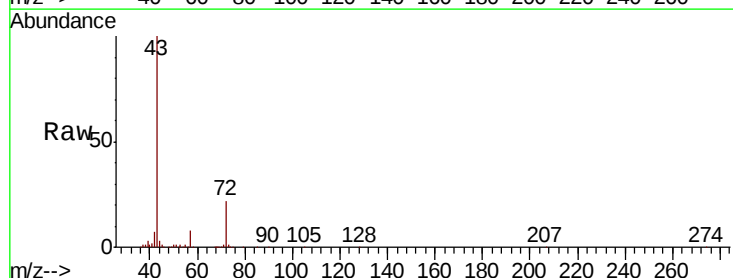
Manual Integrations
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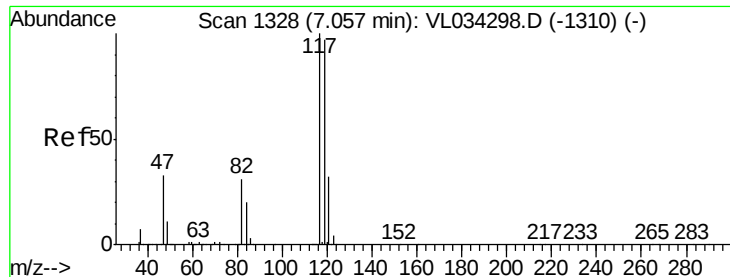
MMDadoda
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#34
 2-Butanone
 Concen: 7.306 ppbv
 RT: 5.26 min Scan# 770
 Delta R.T. 0.00 min
 Lab File: VL034324.D
 Acq: 17 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.1	16.3	24.5





#35

Carbon Tetrachloride

Concen: 0.049 ppbv m

RT: 7.06 min Scan# 1330

Delta R.T. 0.01 min

Lab File: VL034324.D

Acq: 17 Oct 2019 20:03

Instrument :

MSVOA_L

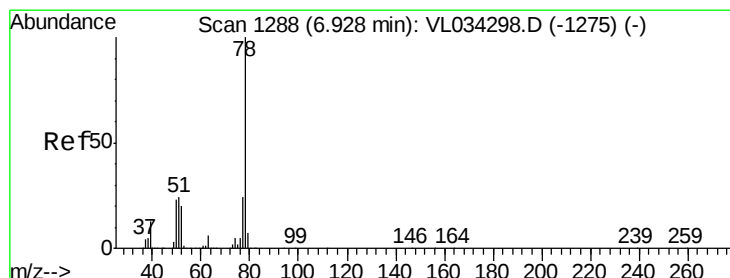
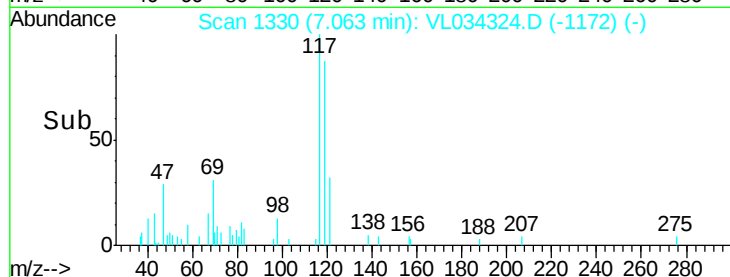
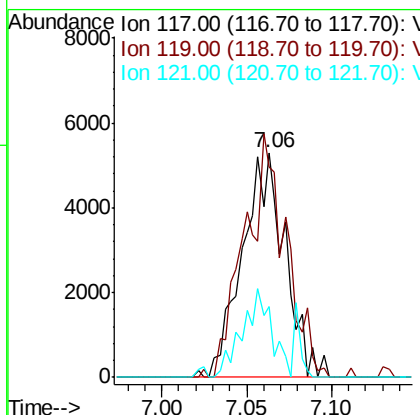
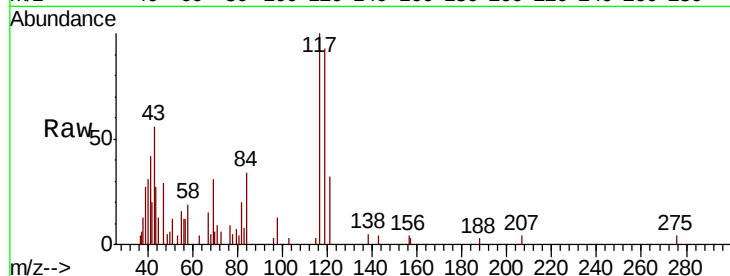
ClientSampleId :

SV1DUP

Tot Ion:	117	Resp:	9236
Ion	Ratio	Lower	Upper
117	100		
119	93.3	77.3	115.9
121	31.7	25.5	38.3

Manual Integrations
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#36

Benzene

Concen: 2.231 ppbv

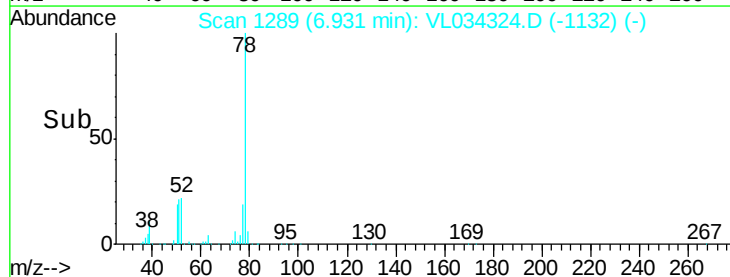
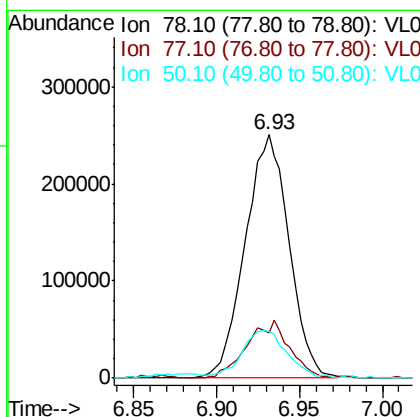
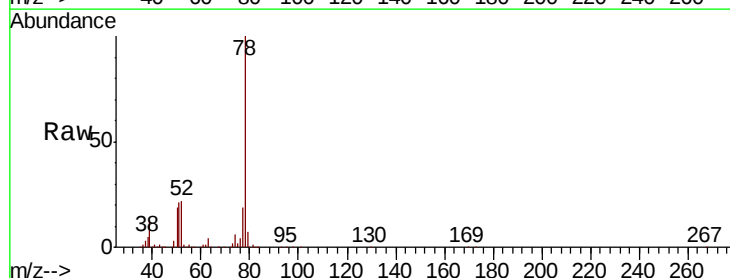
RT: 6.93 min Scan# 1289

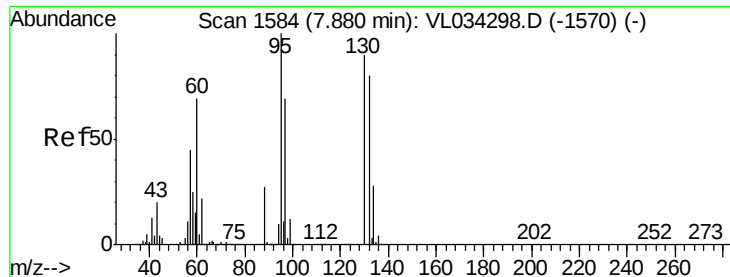
Delta R.T. 0.00 min

Lab File: VL034324.D

Acq: 17 Oct 2019 20:03

Tgt Ion:	78	Resp:	460048
Ion	Ratio	Lower	Upper
78	100		
77	18.5	19.0	28.4#
50	18.4	18.6	27.8#





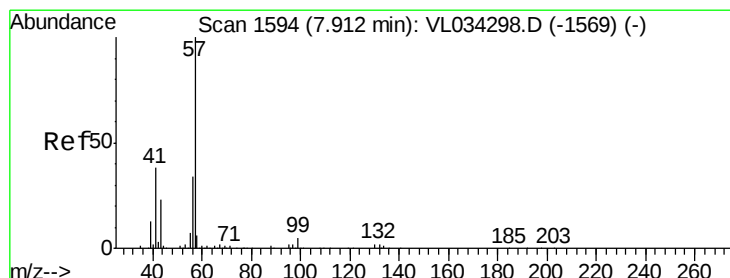
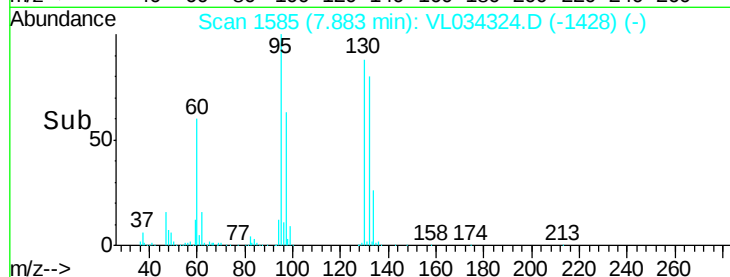
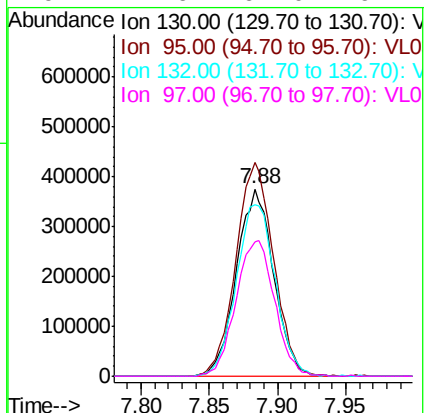
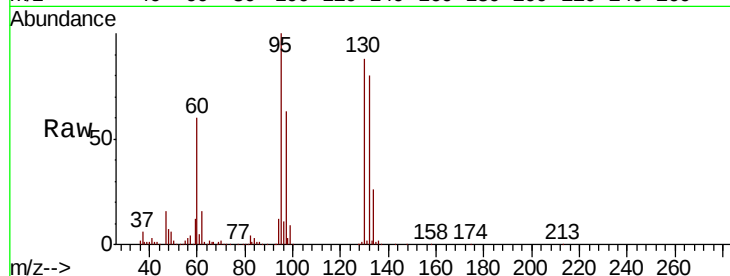
#38
 Trichloroethene
 Concen: 8.589 ppbv
 RT: 7.88 min Scan# 1585
 Delta R.T. 0.00 min
 Lab File: VL034324.D
 Acq: 17 Oct 2019 20:03

Instrument :
 MSVOA_L
 ClientSampleID :
 SV1DUP

Tot Ion	Ratio	Lower	Upper
130	100		
95	114.1	88.6	132.8
132	91.5	71.2	106.8
97	71.6	61.0	91.4

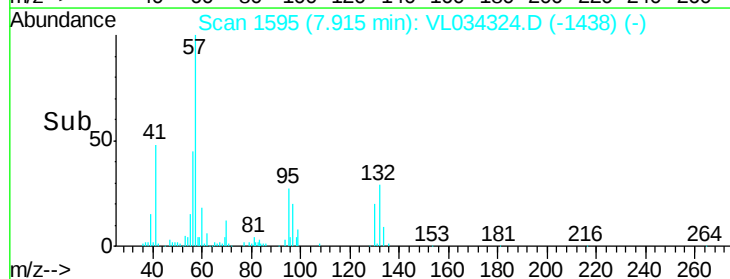
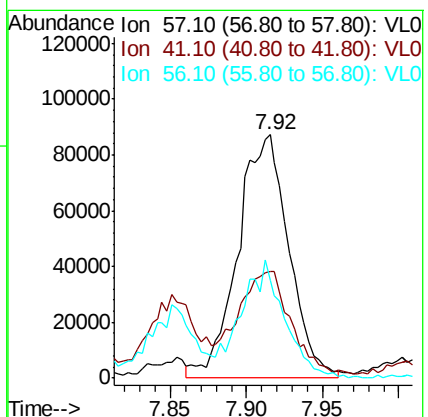
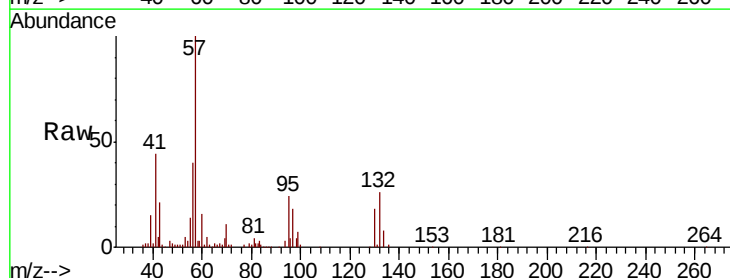
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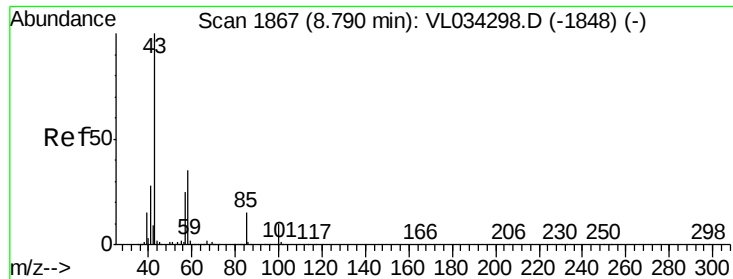
MMDadoda
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#44
 2,2,4-Trimethylpentane
 Concen: 0.532 ppbv m
 RT: 7.92 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VL034324.D
 Acq: 17 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
57	100		
41	41.8	29.3	43.9
56	42.2	25.3	37.9#





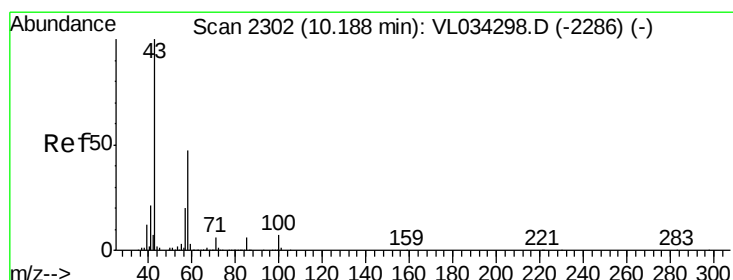
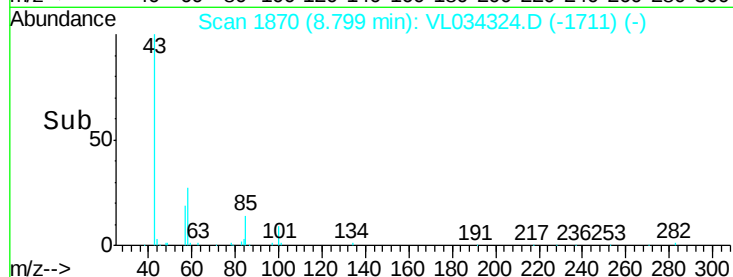
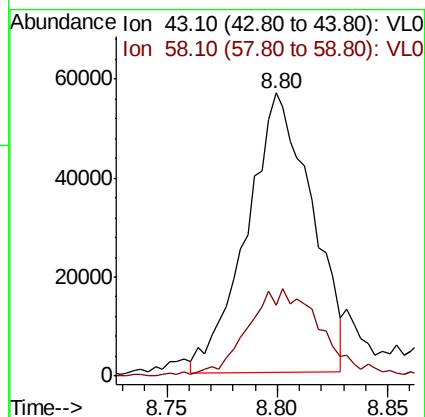
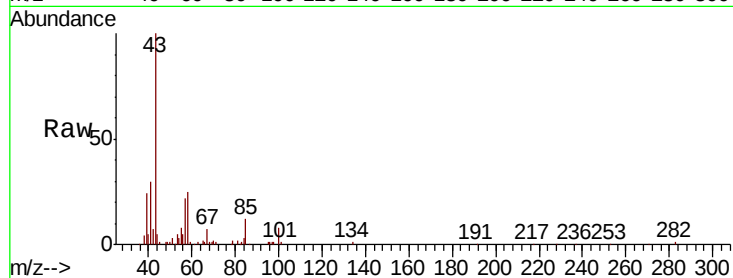
#50
4-Methyl-2-Pentanone
Concen: 0.461 ppbv
RT: 8.80 min Scan# 1870
Delta R.T. 0.01 min
Lab File: VL034324.D
Acq: 17 Oct 2019 20:03

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tot Ion	Ratio	Lower	Upper
43	100		
58	36.4	27.6	41.4

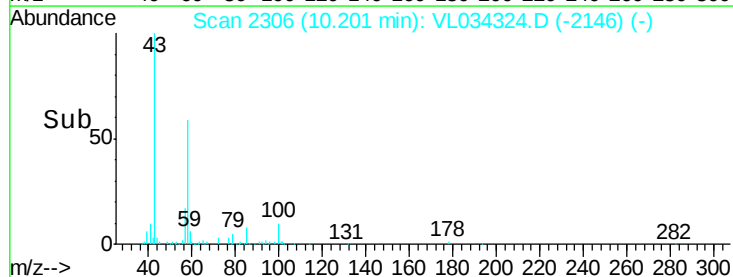
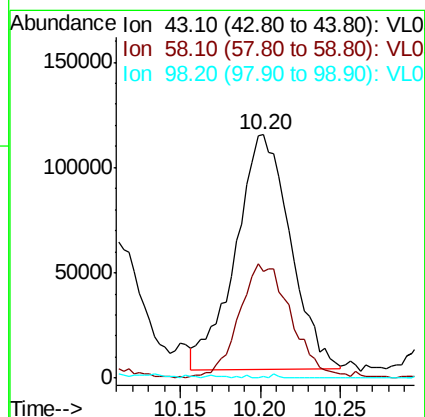
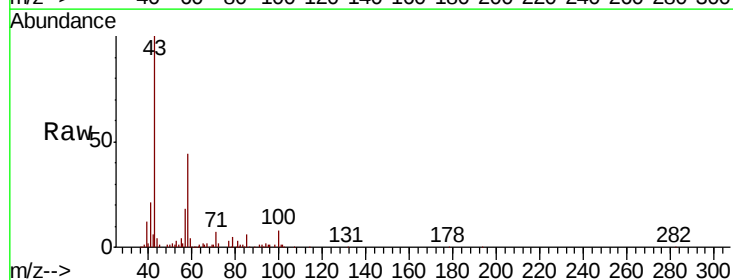
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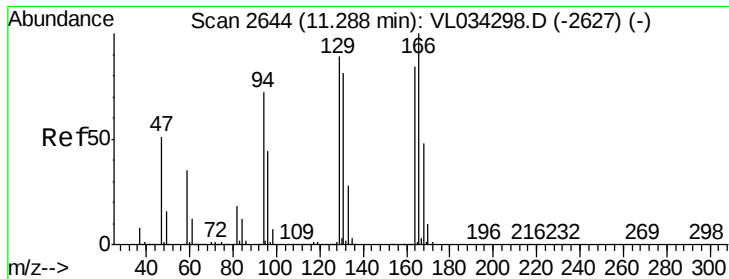
MMDadoda
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#51
2-Hexanone
Concen: 1.264 ppbv
RT: 10.20 min Scan# 2306
Delta R.T. 0.01 min
Lab File: VL034324.D
Acq: 17 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
43	100		
58	47.0	37.0	55.6
98	0.5	0.2	0.2#





#52

Tetrachloroethene

Concen: 225.897 ppbv

RT: 11.34 min Scan# 2661

Delta R.T. 0.05 min

Lab File: VL034324.D

Acq: 17 Oct 2019 20:03

Instrument :

MSVOA_L

ClientSampleId :

SV1DUP

Tot Ion:164 Resp:18261602

Ion Ratio Lower Upper

164 100

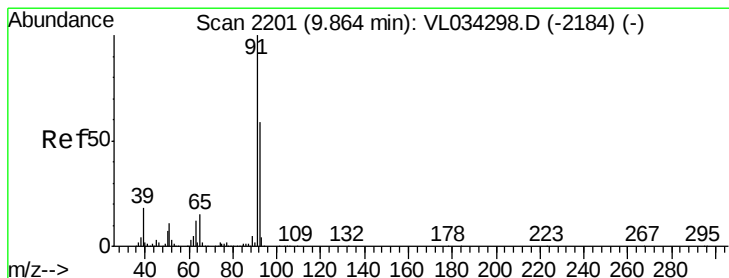
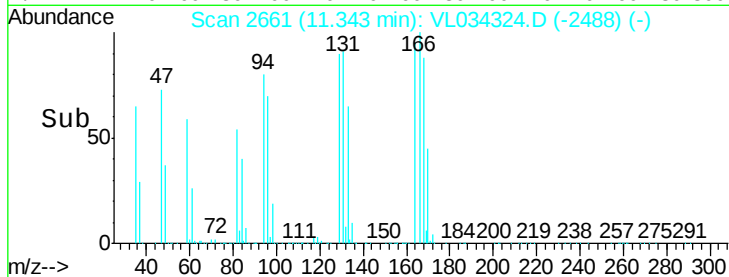
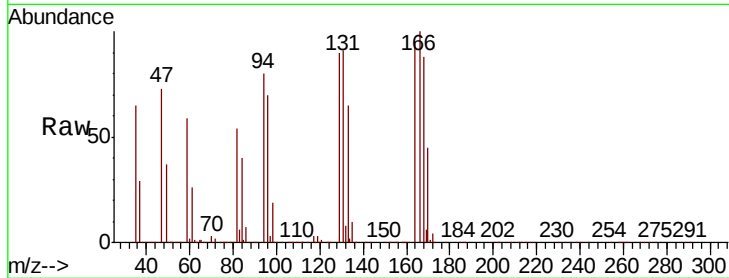
166 105.1 95.3 142.9

129 95.1 84.5 126.7

131 95.9 77.3 115.9

Manual Integrations
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#53

Toluene

Concen: 7.486 ppbv

RT: 9.86 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VL034324.D

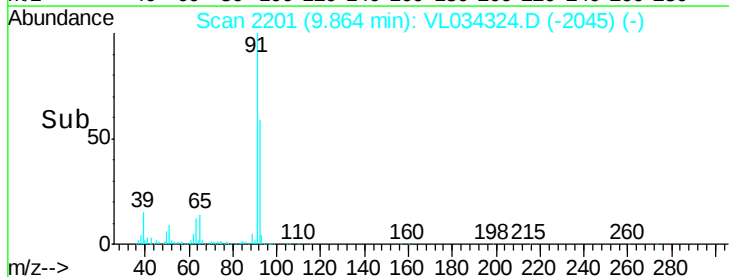
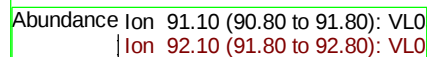
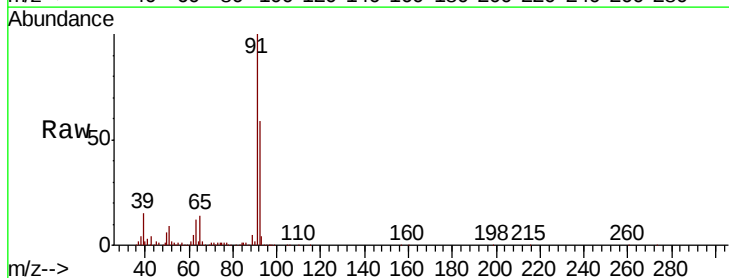
Acq: 17 Oct 2019 20:03

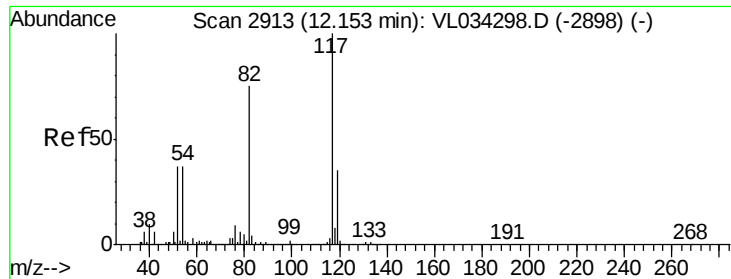
Tgt Ion: 91 Resp: 1703789

Ion Ratio Lower Upper

91 100

92 60.2 48.4 72.6





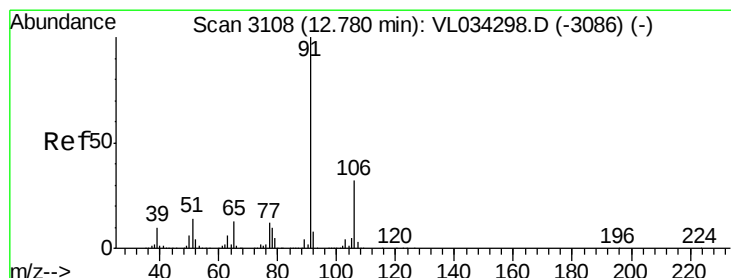
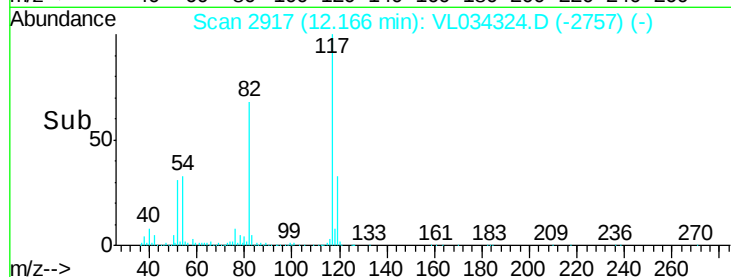
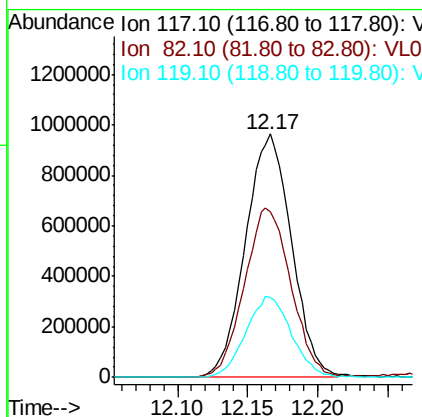
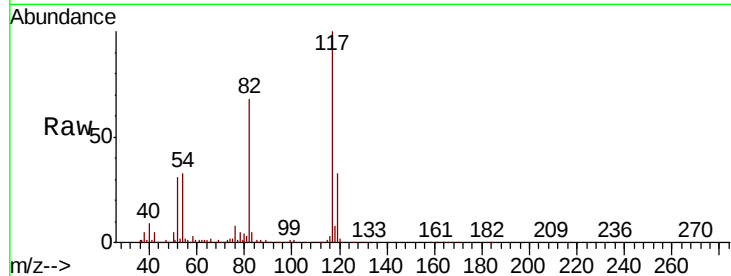
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.01 min
Lab File: VL034324.D
Acq: 17 Oct 2019 20:03

Instrument :
MSVOA_L
ClientSampleId :
SV1DUP

Tot Ion	Ratio	Lower	Upper
117	100		
82	70.6	55.5	83.3
119	33.2	26.5	39.7

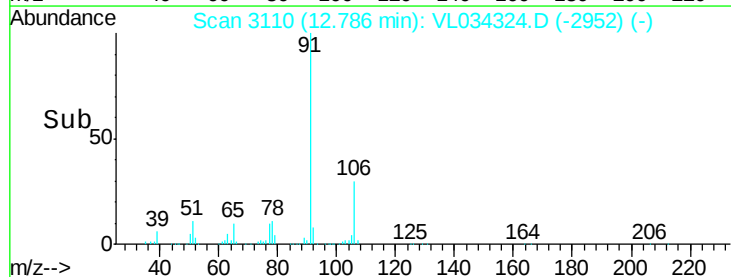
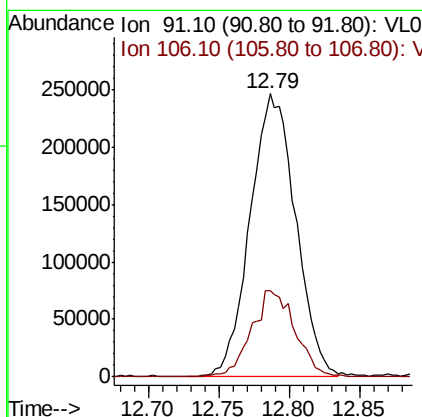
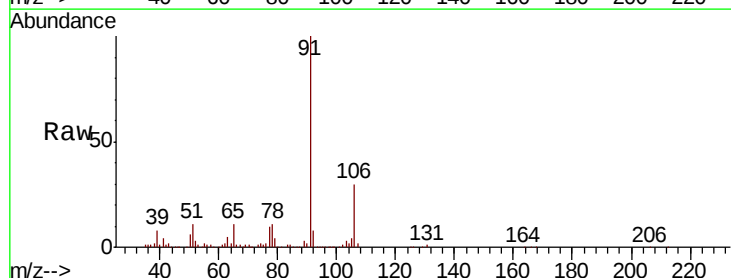
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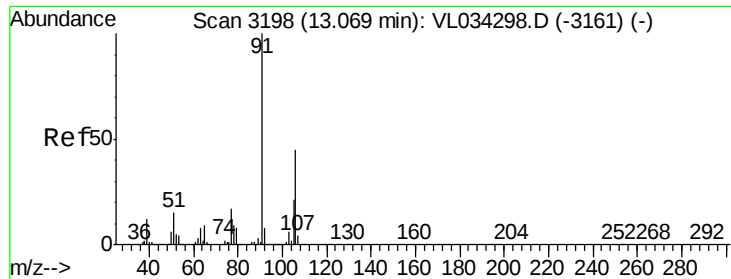
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#58
Ethyl Benzene
Concen: 1.799 ppbv
RT: 12.79 min Scan# 3110
Delta R.T. 0.01 min
Lab File: VL034324.D
Acq: 17 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.3	25.3	37.9





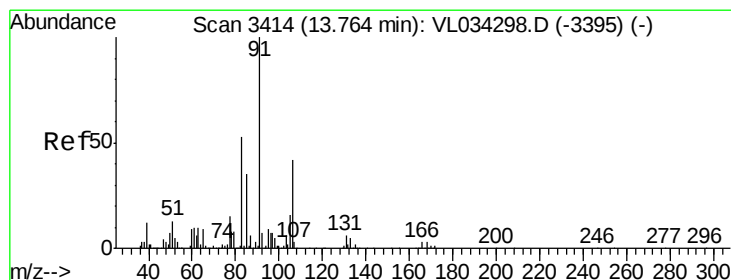
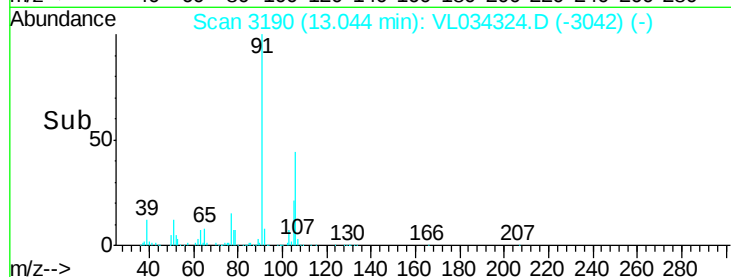
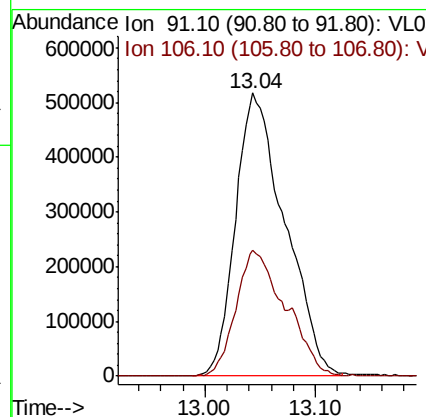
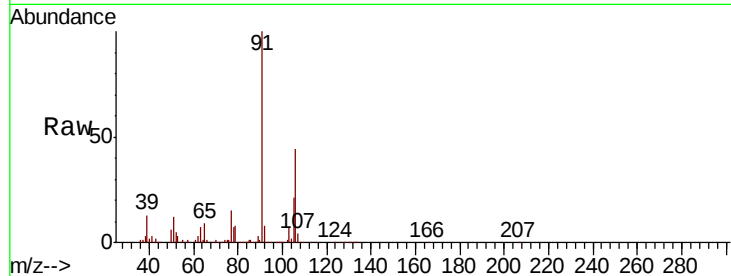
#59
m/p-Xylene
Concen: 6.016 ppbv
RT: 13.04 min Scan# 3190
Delta R.T. -0.03 min
Lab File: VL034324.D
Acq: 17 Oct 2019 20:03

Instrument :
MSVOA_L
ClientSampled :
SV1DUP

Tot Ion: 91 Resp: 1601135
Ion Ratio Lower Upper
91 100
106 44.8 35.4 53.2

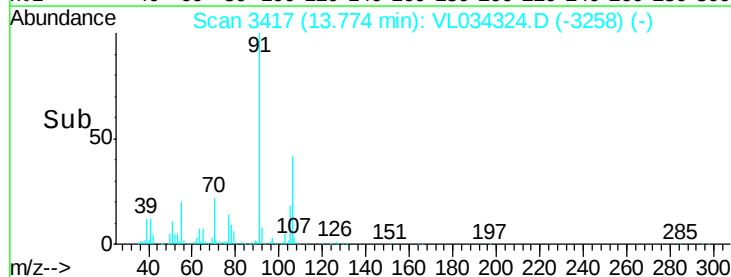
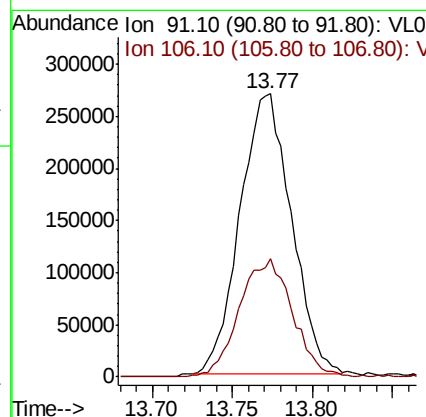
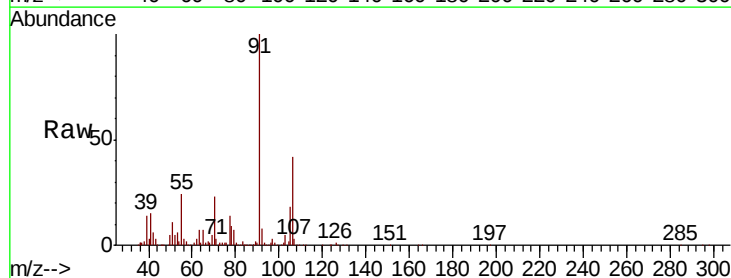
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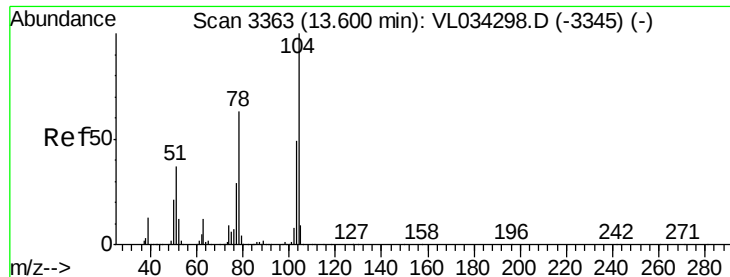
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#60
o-Xylene
Concen: 2.244 ppbv
RT: 13.77 min Scan# 3417
Delta R.T. 0.01 min
Lab File: VL034324.D
Acq: 17 Oct 2019 20:03

Tgt Ion: 91 Resp: 594631
Ion Ratio Lower Upper
91 100
106 43.1 21.6 64.6





#61

Stvrene

Concen: 0.218 ppbv m

RT: 13.61 min Scan# 3366

Delta R.T. 0.01 min

Lab File: VL034324.D

Acq: 17 Oct 2019 20:03

Instrument :

MSVOA_L

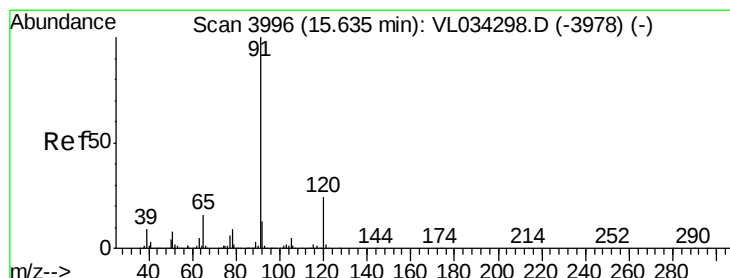
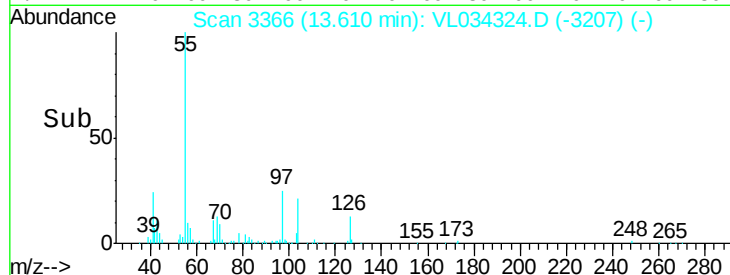
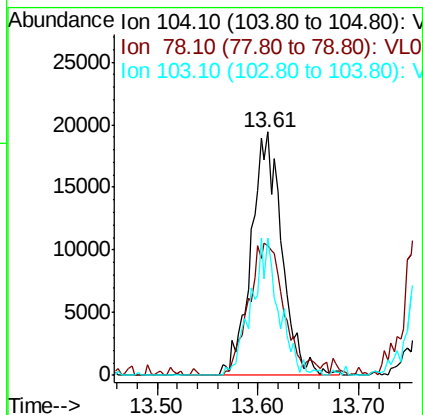
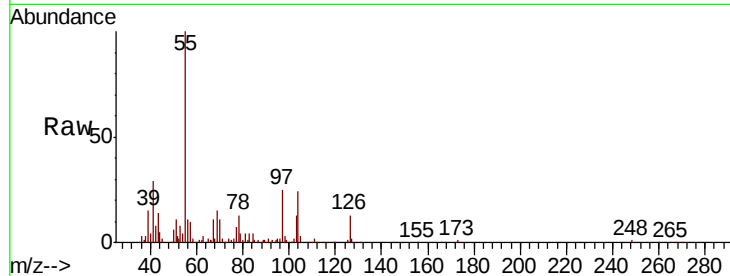
ClientSampled :

SV1DUP

Tot Ion:	104	Resp:	40676
Ion Ratio	Lower	Upper	
104	100		
78	0.0	47.8	71.8#
103	0.0	39.0	58.6#

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#64

n-propylbenzene

Concen: 0.459 ppbv m

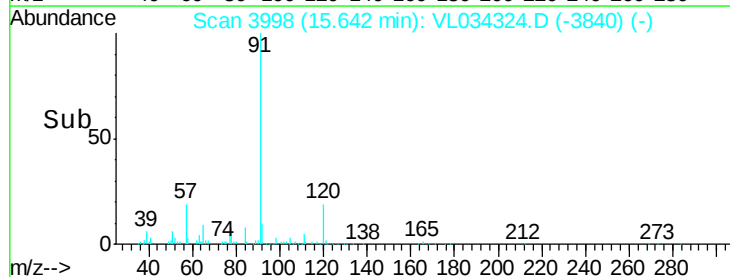
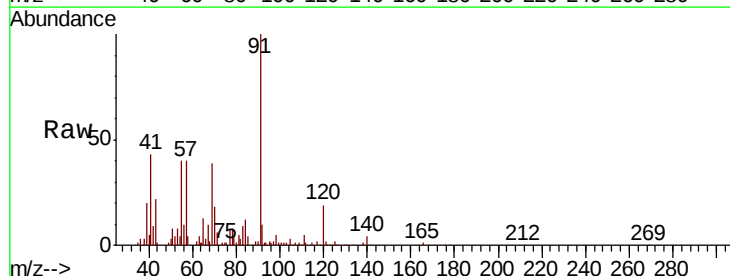
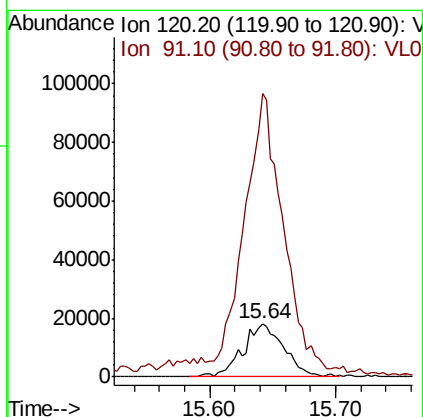
RT: 15.64 min Scan# 3998

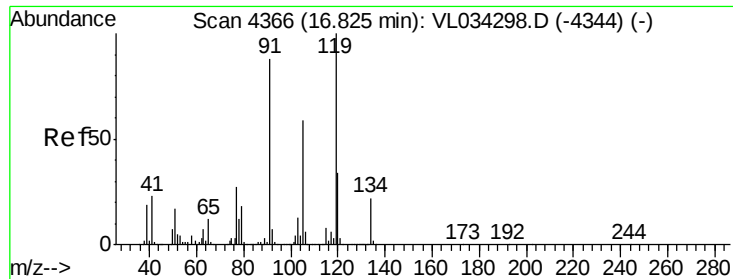
Delta R.T. 0.01 min

Lab File: VL034324.D

Acq: 17 Oct 2019 20:03

Tgt Ion:	120	Resp:	41192
Ion Ratio	Lower	Upper	
120	100		
91	581.2	374.9	562.3#





#65

tert-Butylbenzene

Concen: 0.159 ppbv m

RT: 16.85 min Scan# 4375

Delta R.T. 0.03 min

Lab File: VL034324.D

Acq: 17 Oct 2019 20:03

Instrument :

MSVOA_L

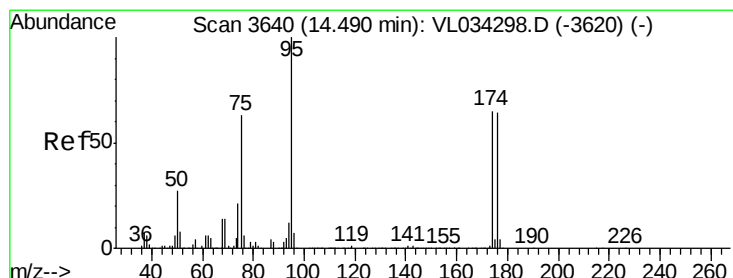
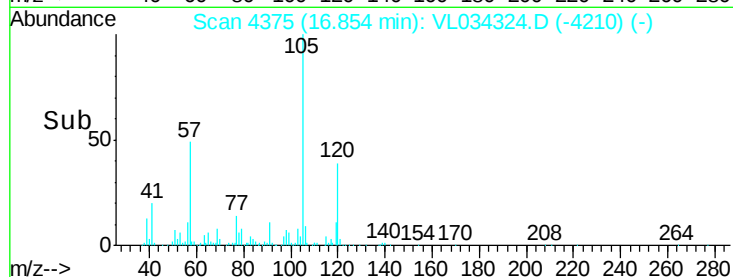
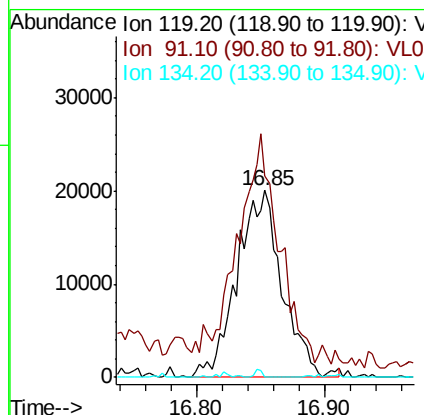
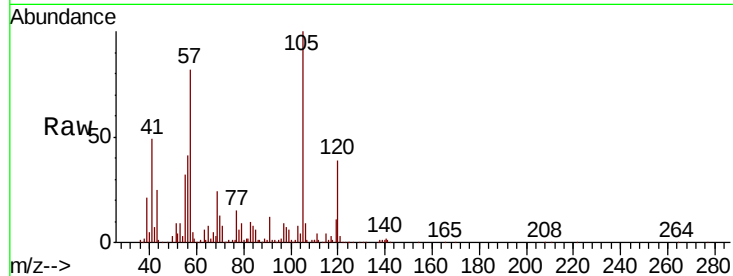
ClientSampleId :

SV1DUP

Tot Ion	Ratio	Lower	Upper
119	100		
91	0.0	71.4	107.0#
134	0.0	15.9	23.9#

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.985 ppbv

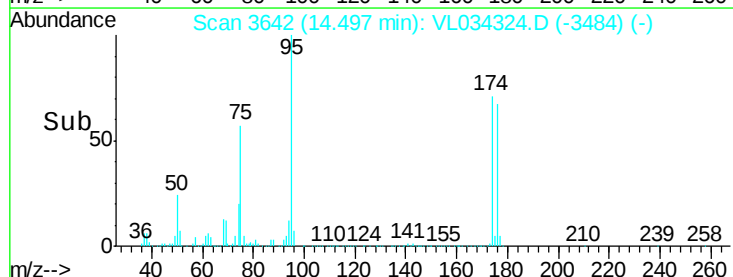
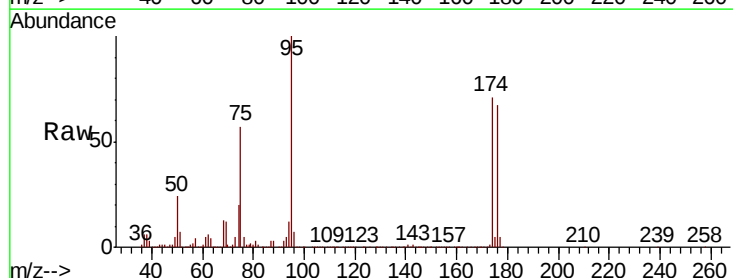
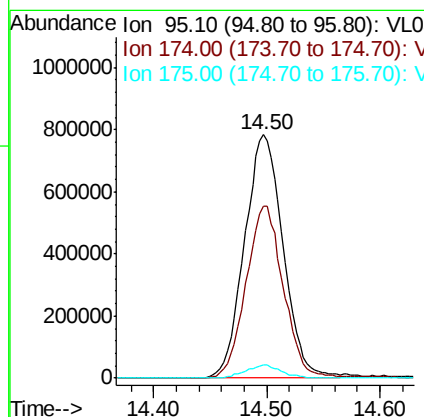
RT: 14.50 min Scan# 3642

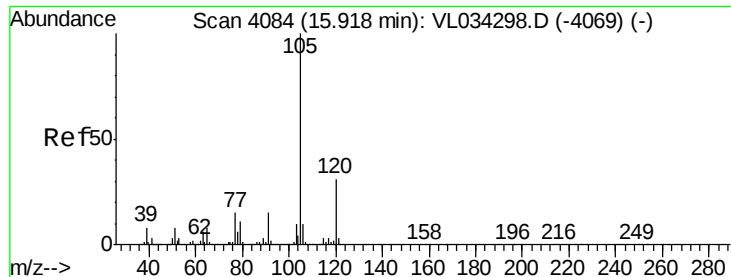
Delta R.T. 0.01 min

Lab File: VL034324.D

Acq: 17 Oct 2019 20:03

Tgt Ion	Ratio	Lower	Upper
95	100		
174	69.1	52.6	78.8
175	5.1	3.8	5.6





#72

4-Ethyltoluene

Concen: 0.695 ppbv

RT: 15.92 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VL034324.D

Acq: 17 Oct 2019 20:03

Instrument :

MSVOA_L

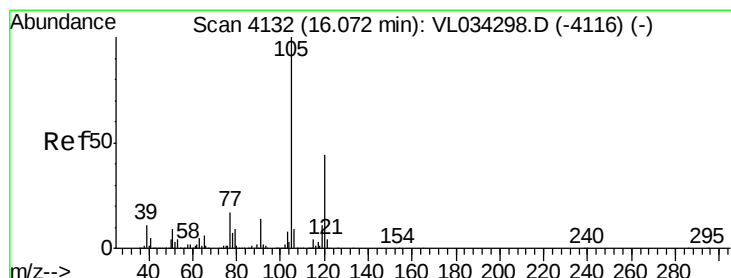
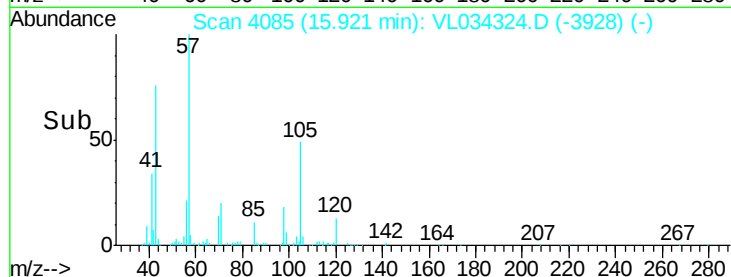
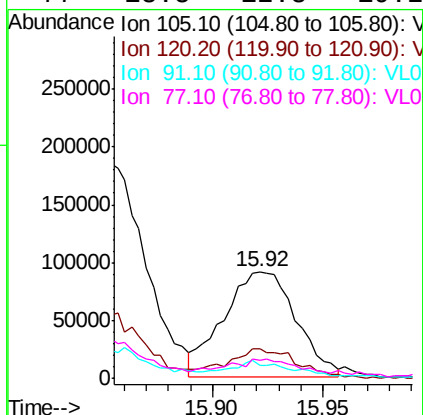
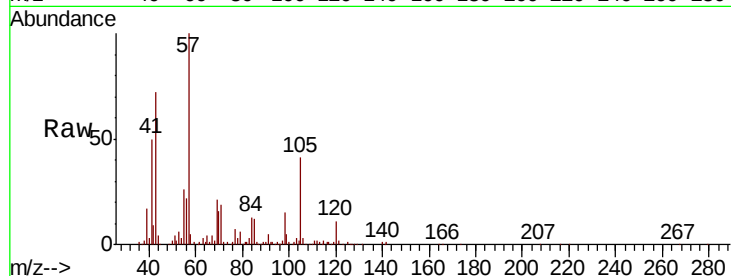
ClientSampleID :

SV1DUP

Tot Ion	Ion	Ratio	Resp	Lower	Upper
105	100		207035		
120	28.5	23.8	35.8		
91	13.0	11.2	16.8		
77	18.5	12.8	19.2		

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#73

1,3,5-Trimethylbenzene

Concen: 0.446 ppbv

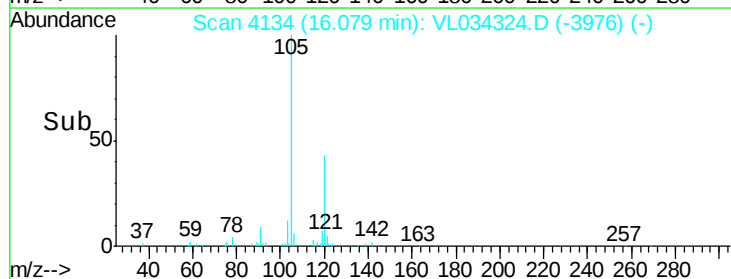
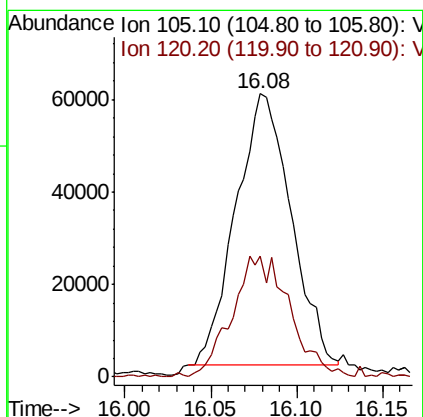
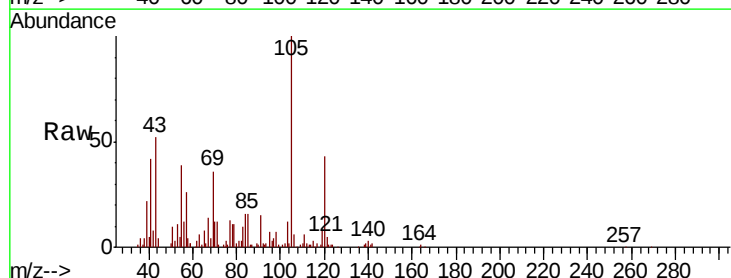
RT: 16.08 min Scan# 4134

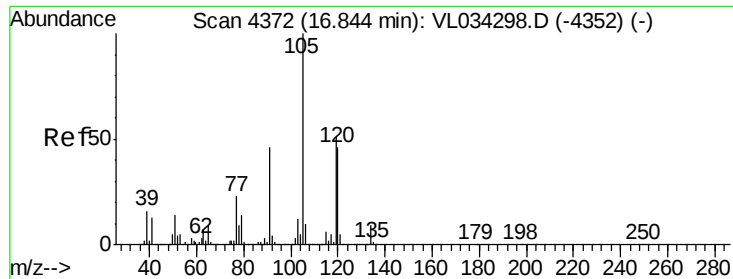
Delta R.T. 0.01 min

Lab File: VL034324.D

Acq: 17 Oct 2019 20:03

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
105	100		131666		
120	44.5	35.2	52.8		





#74
 1,2,4-Trimethylbenzene
 Concen: 1.405 ppbv
 RT: 16.85 min Scan# 4375
 Delta R.T. 0.01 min
 Lab File: VL034324.D
 Acq: 17 Oct 2019 20:03

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1DUP

Tot Ion:	105	Resp:	432483
Ion Ratio		Lower	Upper
105	100		
120	39.1	37.0	55.6
91	10.9	38.2	57.2#
77	12.1	19.0	28.4#

Manual Integrations
 APPROVED

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