

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
 Data File : VL034216.D
 Acq On : 2 Oct 2019 18:32
 Operator : SY/AP
 Sample : K5106-04
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

Manual Integrations
 APPROVED

MMDadoda
 10/7/2019 12:30:13 PM

Quant Time: Oct 04 02:00:47 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	938104	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.23	114	1745703	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	1809810	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.49	95	1576133	10.02	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.20%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	3.02	85	32707	0.236	ppbv	99
3) Chlorodifluoromethane	2.96	51	11597m	0.105	ppbv	
4) Chloromethane	3.12	50	58872	0.911	ppbv	95
5) Vinyl Chloride	3.24	62	12522	0.212	ppbv	98
7) Chloroethane	3.55	64	5768m	0.279	ppbv	
9) Propene	2.99	41	3685618	67.915	ppbv	97
10) Heptane	8.18	43	3025155	21.389	ppbv	98
11) Trichlorofluoromethane	3.96	101	38886	0.308	ppbv	96
13) Ethanol	3.61	45	321561	24.470	ppbv	96
15) Acetone	3.85	43	6099358	48.511	ppbv #	68
17) tert-Butyl alcohol	4.30	59	971284	12.192	ppbv	99
19) Isopropyl Alcohol	3.98	45	170353	2.203	ppbv #	95
20) Methylene Chloride	4.36	84	100855	2.782	ppbv	95
26) Hexane	5.72	57	609107	6.159	ppbv #	40
27) Carbon Disulfide	4.56	76	526694	5.774	ppbv	97
29) Chloroform	5.79	83	2315985	16.387	ppbv	98
30) Cyclohexane	7.18	84	213627	2.992	ppbv	86
34) 2-Butanone	5.27	43	2802092	15.720	ppbv	94
35) Carbon Tetrachloride	7.07	117	7572m	0.052	ppbv	
36) Benzene	6.93	78	1054245	5.468	ppbv	94
38) Trichloroethene	7.89	130	30630m	0.445	ppbv	
41) Tetrahydrofuran	6.09	42	33213m	0.331	ppbv	
43) Methyl Methacrylate	8.06	69	90514m	1.136	ppbv	
44) 2,2,4-Trimethylpentane	7.92	57	1229260	3.312	ppbv #	80
50) 4-Methyl-2-Pentanone	8.80	43	184084	0.710	ppbv	89
51) 2-Hexanone	10.19	43	544262	2.500	ppbv #	75
52) Tetrachloroethene	11.30	164	1327356	20.838	ppbv	94
53) Toluene	9.87	91	2751726	13.059	ppbv	100
58) Ethyl Benzene	12.79	91	400641	1.372	ppbv	92
59) m/p-Xylene	13.04	91	903563	3.736	ppbv	98
60) o-Xylene	13.77	91	362711	1.500	ppbv	96
62) Isopropylbenzene	14.75	105	41534m	0.133	ppbv	
64) n-propylbenzene	15.64	120	25934	0.327	ppbv #	53
65) tert-Butylbenzene	16.85	119	40481	0.148	ppbv #	66
69) p-Isopropyltoluene	17.74	119	55418m	0.175	ppbv	
70) n-Butylbenzene	18.64	91	51561m	0.140	ppbv	
72) 4-Ethyltoluene	15.92	105	132170	0.484	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.08	105	128951	0.488	ppbv	98
74) 1,2,4-Trimethylbenzene	16.85	105	374865	1.337	ppbv #	67
79) Naphthalene	22.32	128	33283m	0.135	ppbv	

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100219\
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Sample : K5106-04
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV-4

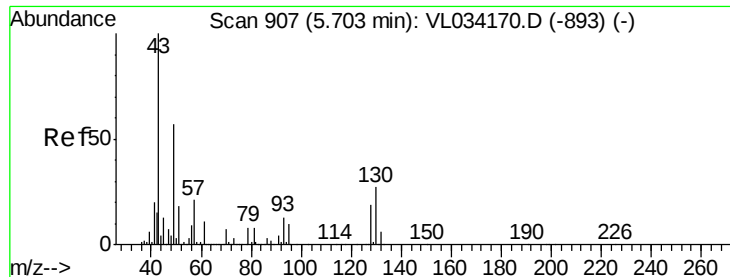
Manual Integrations
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Quant Time: Oct 04 02:00:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
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QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 907

Delta R.T. 0.00 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

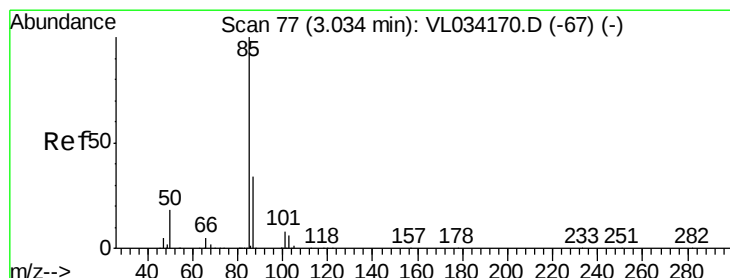
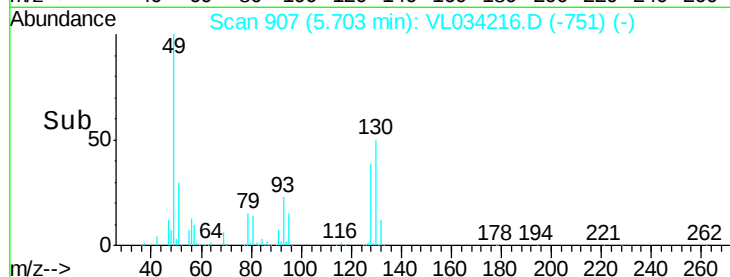
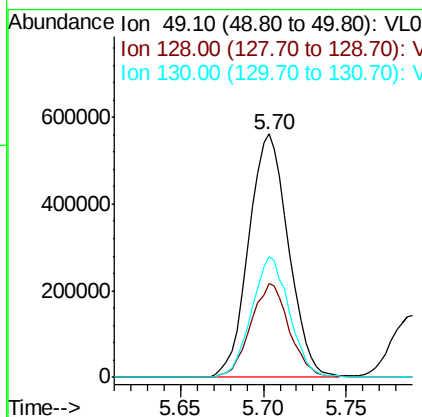
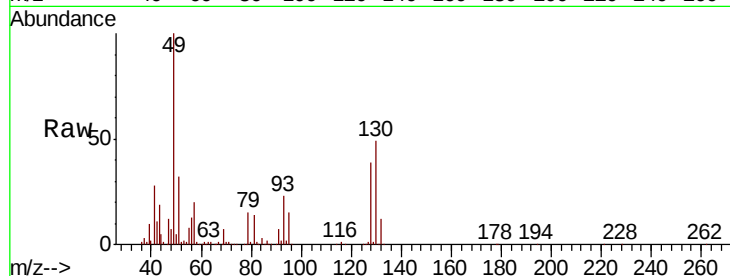
ClientSampled :

SV-4

Tot Ion:	49	Resp:	938104
Ion Ratio	Lower	Upper	
49	100		
128	37.6	17.6	52.9
130	47.4	22.3	66.9

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#2

Dichlorodifluoromethane

Concen: 0.236 ppbv

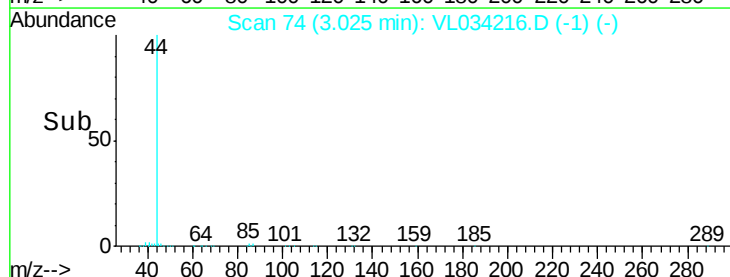
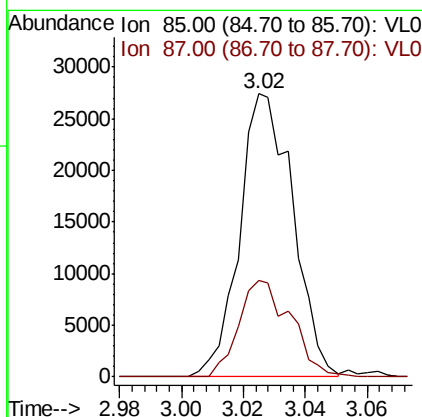
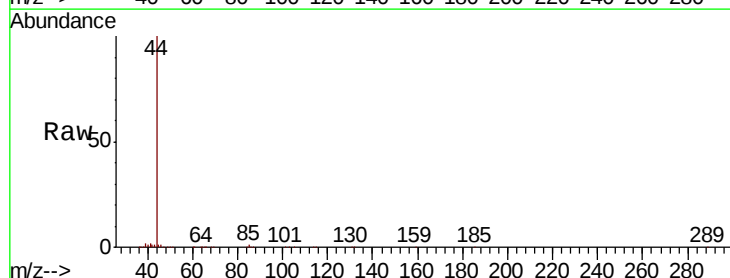
RT: 3.02 min Scan# 74

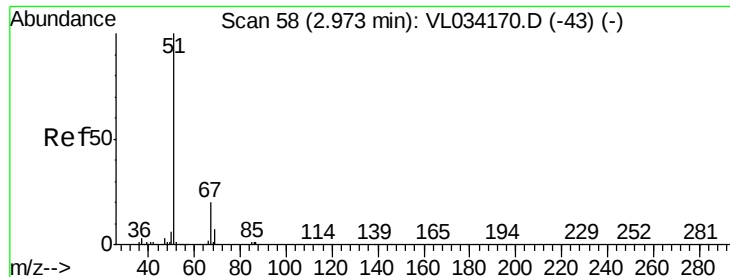
Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Tgt Ion:	85	Resp:	32707
Ion Ratio	Lower	Upper	
85	100		
87	34.3	27.2	40.8





#3

Chlorodifluoromethane

Concen: 0.105 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampled :

SV-4

Tot Ion: 51 Resp: 11597

Ion Ratio Lower Upper

51 100

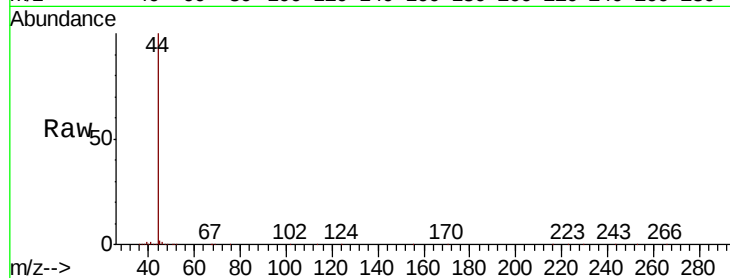
67 20.0 14.8 22.2

Manual Integrations

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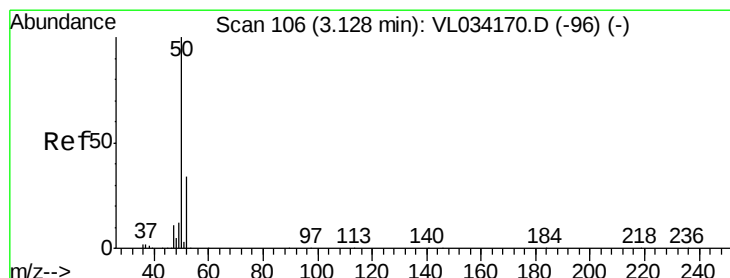
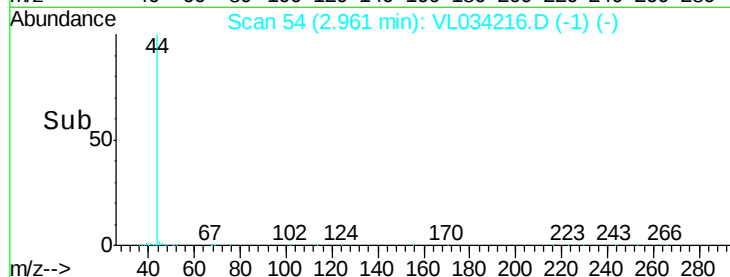
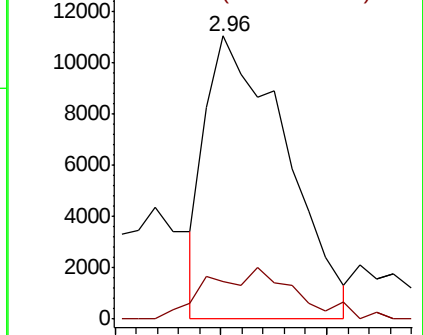
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.911 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL034216.D

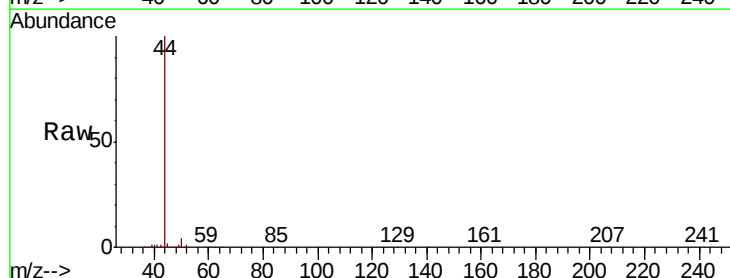
Acq: 2 Oct 2019 18:32

Tgt Ion: 50 Resp: 58872

Ion Ratio Lower Upper

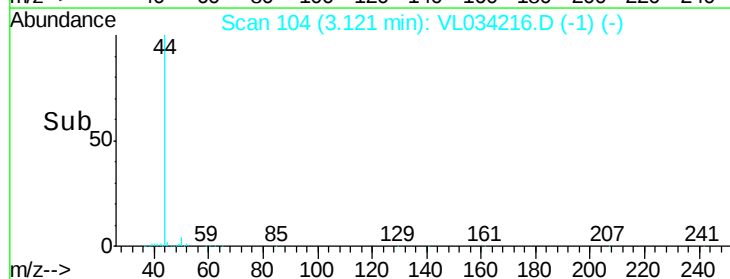
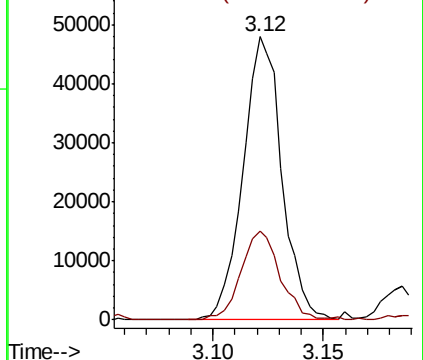
50 100

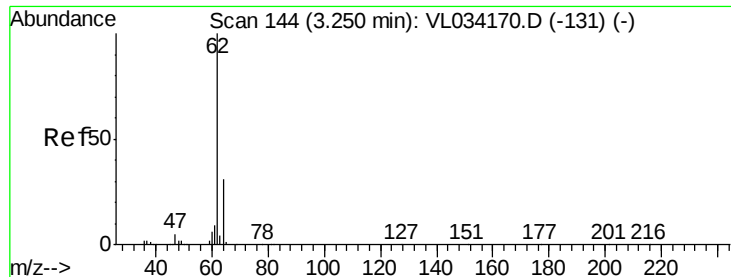
52 31.3 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.212 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampled :

SV-4

Tot Ion: 62 Resp: 12522

Ion Ratio Lower Upper

62 100

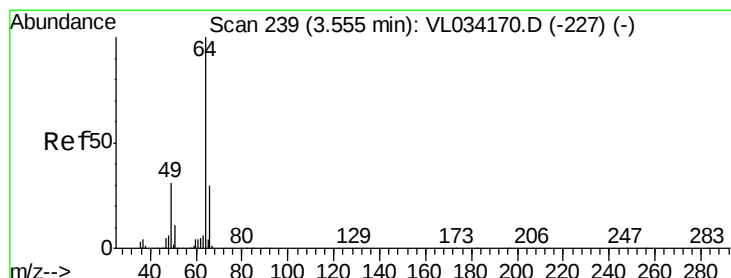
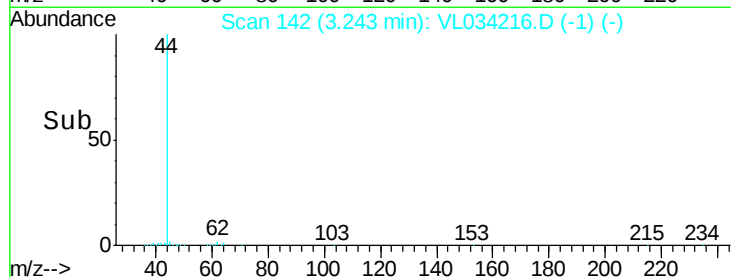
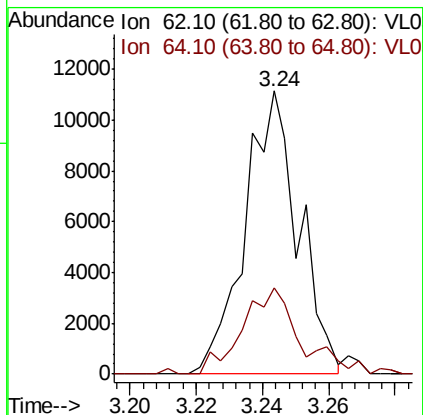
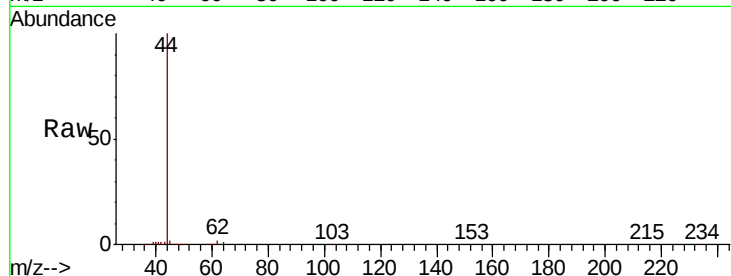
64 30.4 25.2 37.8

Manual Integrations

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#7

Chloroethane

Concen: 0.279 ppbv m

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL034216.D

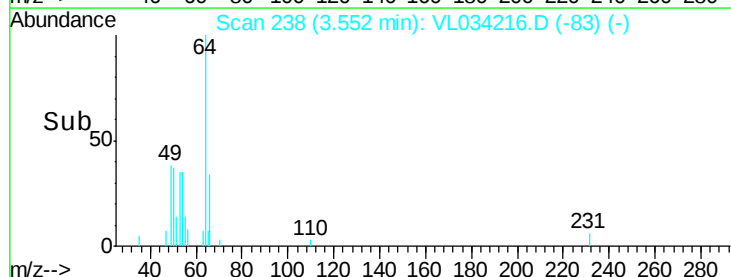
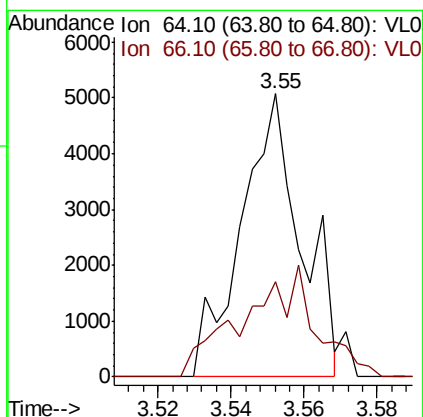
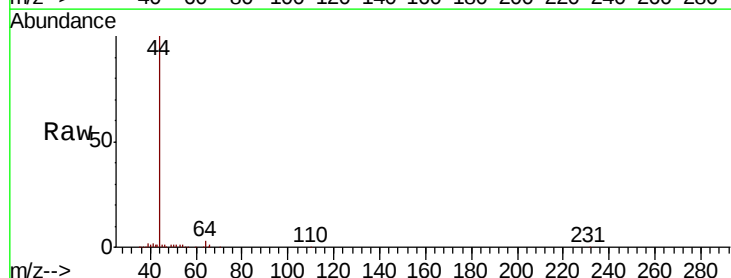
Acq: 2 Oct 2019 18:32

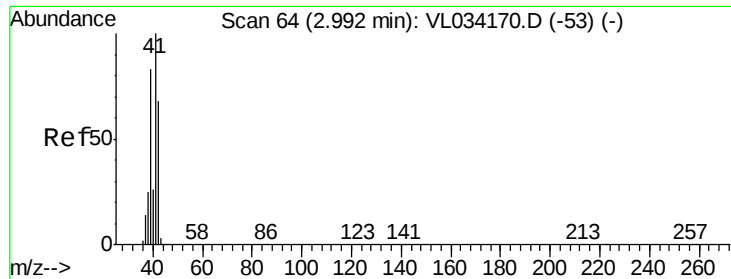
Tgt Ion: 64 Resp: 5768

Ion Ratio Lower Upper

64 100

66 33.6 24.2 36.4





#9

Propene

Concen: 67.915 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampled :

SV-4

Tot Ion: 41 Resp: 3685618

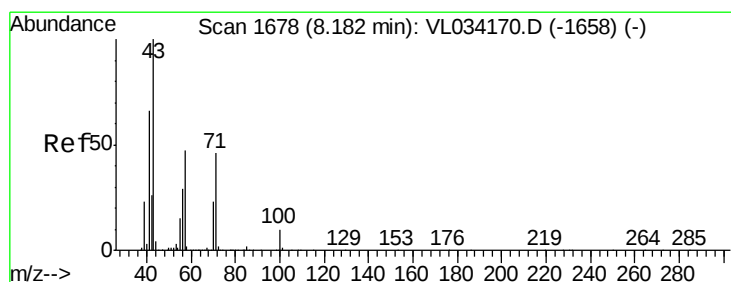
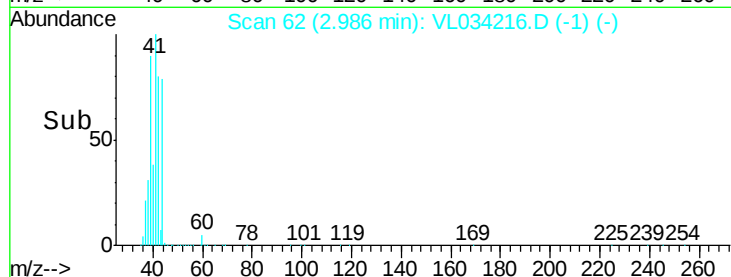
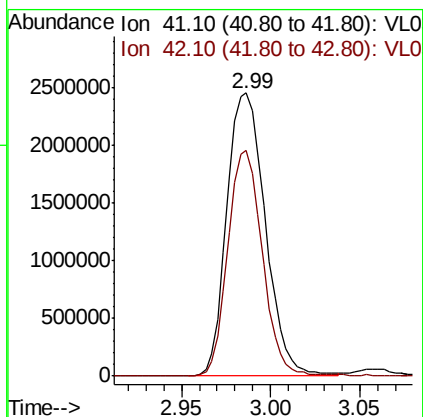
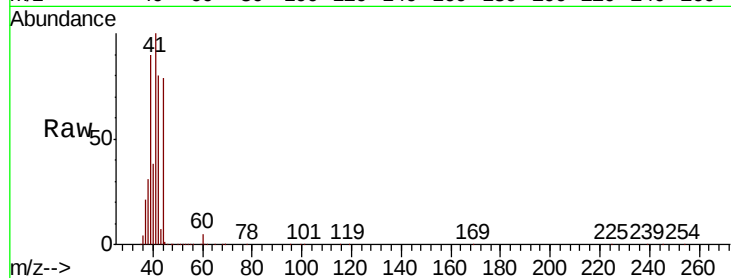
Ion Ratio Lower Upper

41 100

42 72.2 55.8 83.6

Manual Integrations
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#10

Heptane

Concen: 21.389 ppbv

RT: 8.18 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VL034216.D

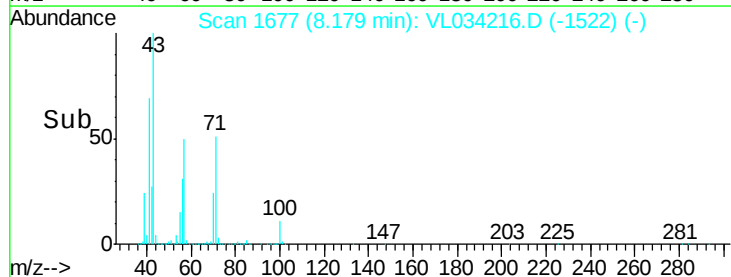
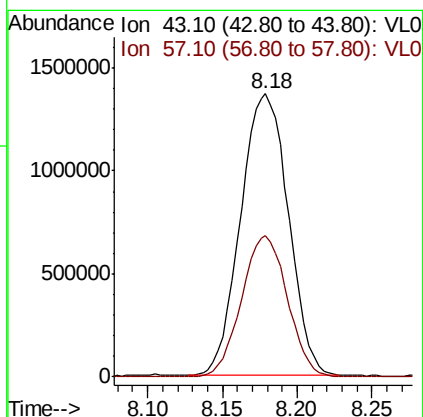
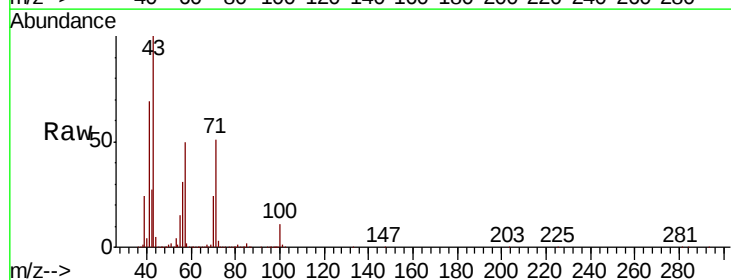
Acq: 2 Oct 2019 18:32

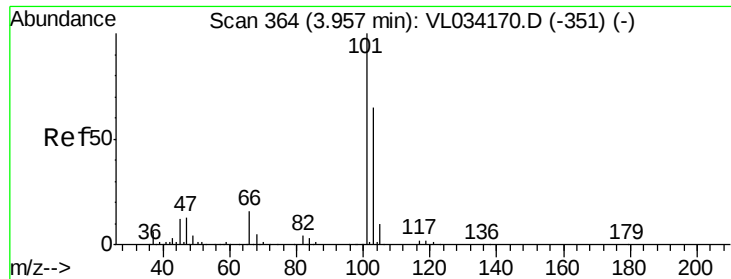
Tgt Ion: 43 Resp: 3025155

Ion Ratio Lower Upper

43 100

57 48.4 37.5 56.3





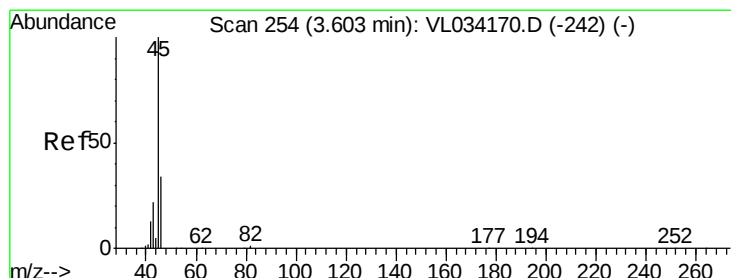
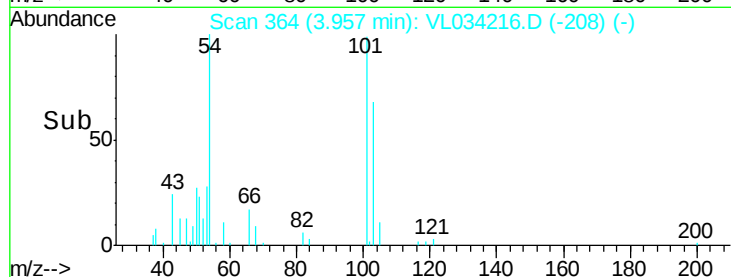
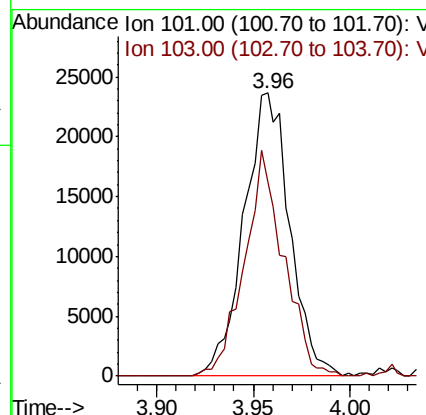
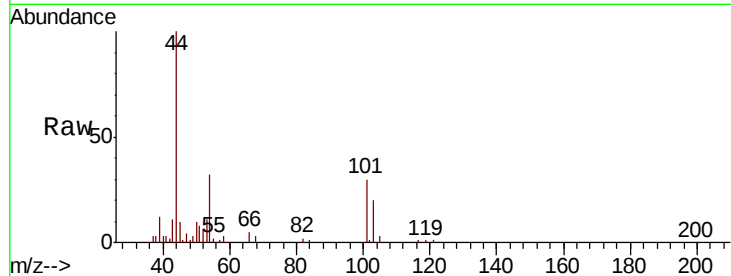
#11
 Trichlorofluoromethane
 Concen: 0.308 ppbv
 RT: 3.96 min Scan# 364
 Delta R.T. 0.00 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

Instrument :
 MSVOA_L
 ClientSampled :
 SV-4

Tot Ion	Ratio	Lower	Upper
101	100		
103	68.5	52.1	78.1

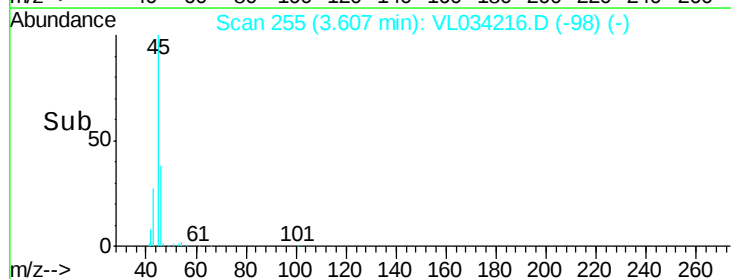
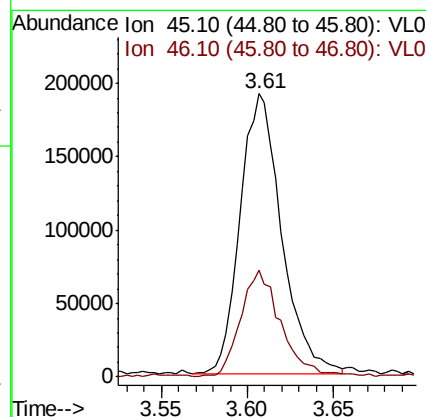
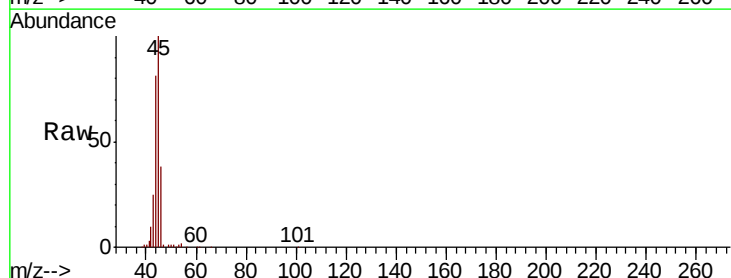
Manual Integrations
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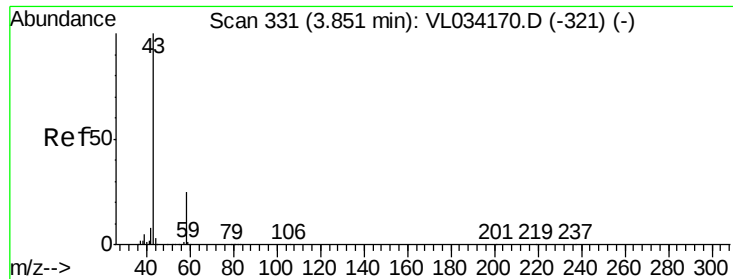
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#13
 Ethanol
 Concen: 24.470 ppbv
 RT: 3.61 min Scan# 255
 Delta R.T. 0.00 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

Tgt Ion	Ratio	Lower	Upper
45	100		
46	36.4	15.5	61.9





#15

Acetone

Concen: 48.511 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.00 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampleId :

SV-4

Tot Ion: 43 Resp: 6099358

Ion Ratio Lower Upper

43 100

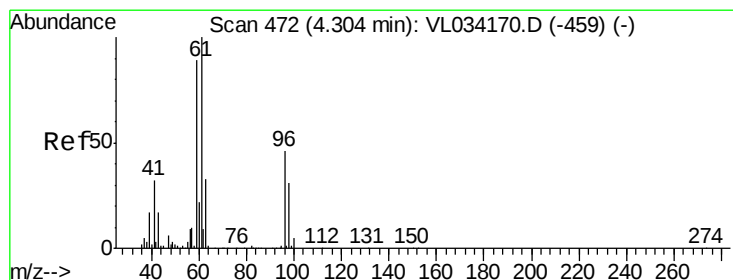
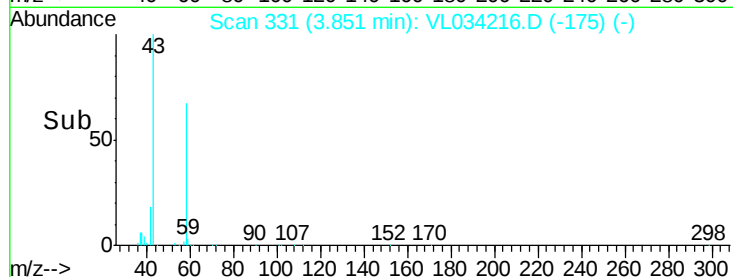
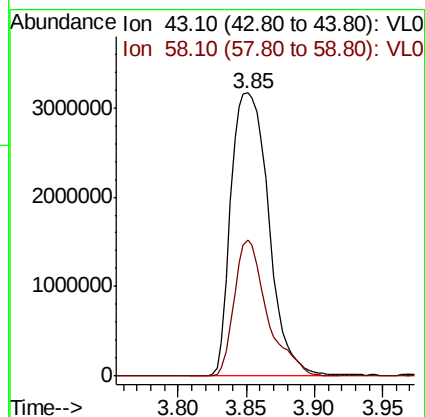
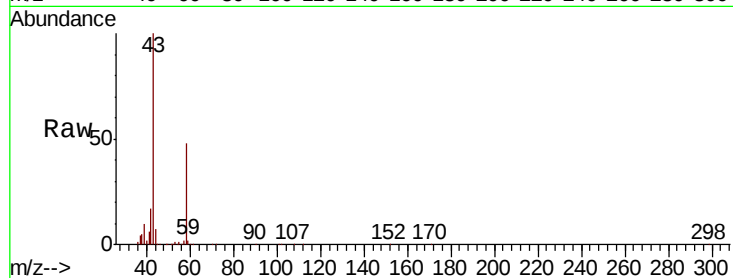
58 42.1 20.5 30.7#

Manual Integrations

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#17

tert-Butyl alcohol

Concen: 12.192 ppbv

RT: 4.30 min Scan# 472

Delta R.T. 0.00 min

Lab File: VL034216.D

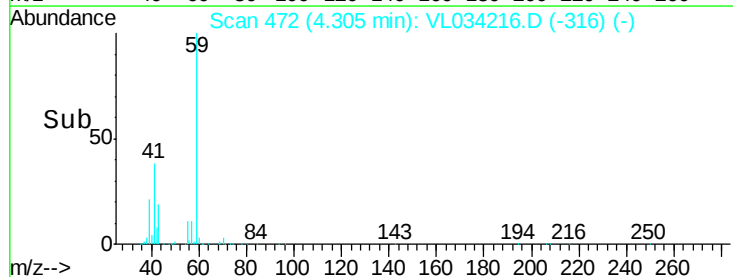
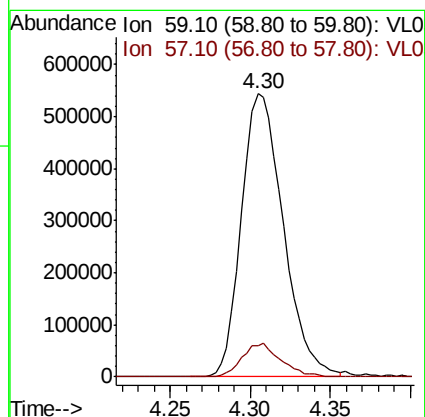
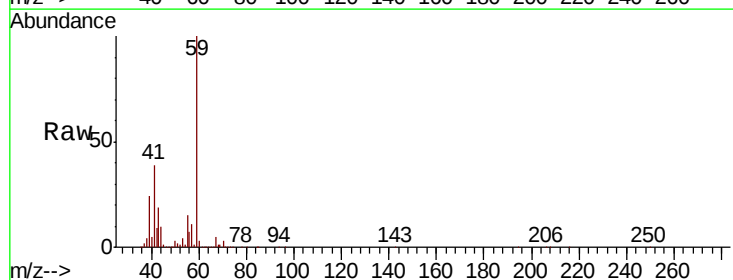
Acq: 2 Oct 2019 18:32

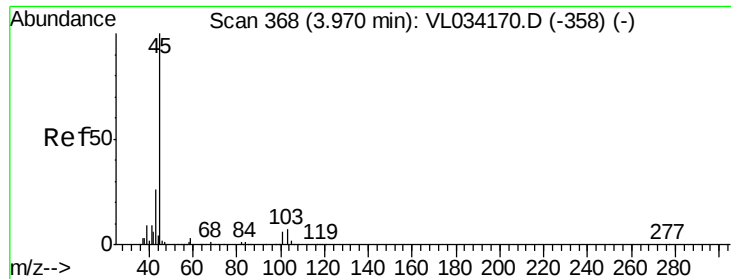
Tgt Ion: 59 Resp: 971284

Ion Ratio Lower Upper

59 100

57 11.1 8.7 13.1





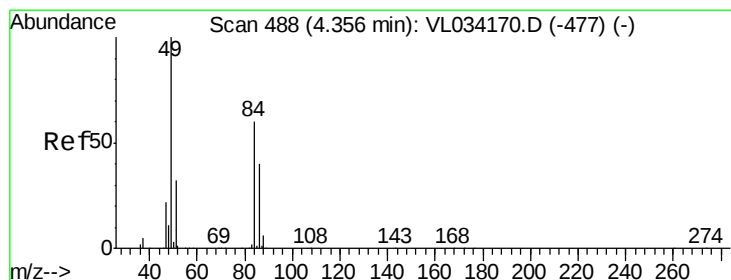
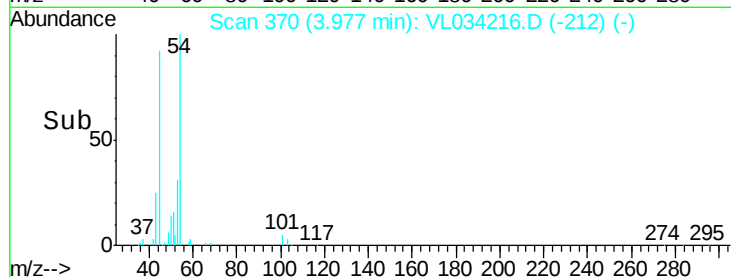
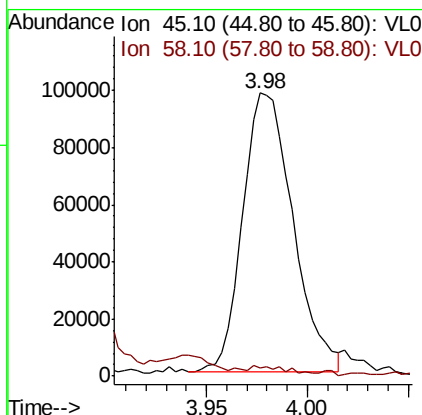
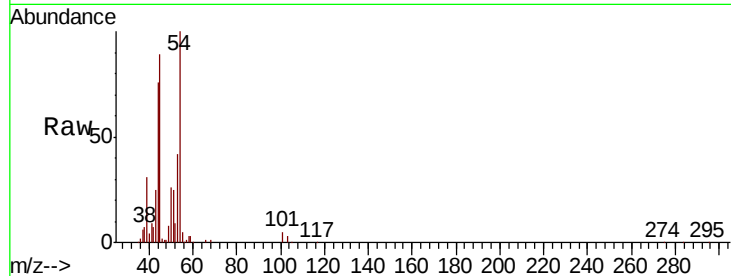
#19
Isopropyl Alcohol
Concen: 2.203 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.01 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Instrument :
MSVOA_L
ClientSampled :
SV-4

Tot Ion: 45 Resp: 170353
Ion Ratio Lower Upper
45 100
58 0.0 1.4 2.0#

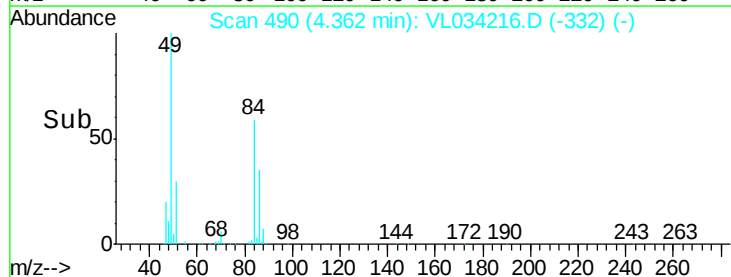
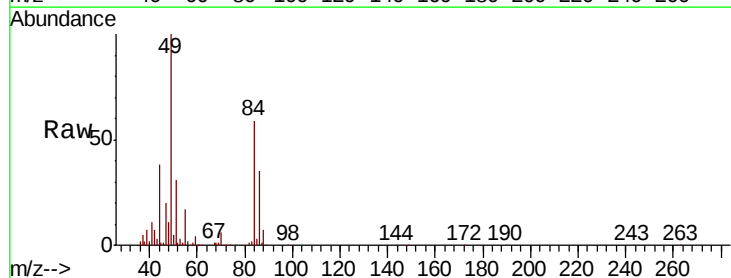
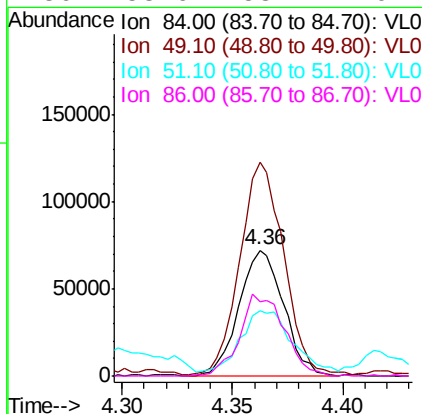
Manual Integrations
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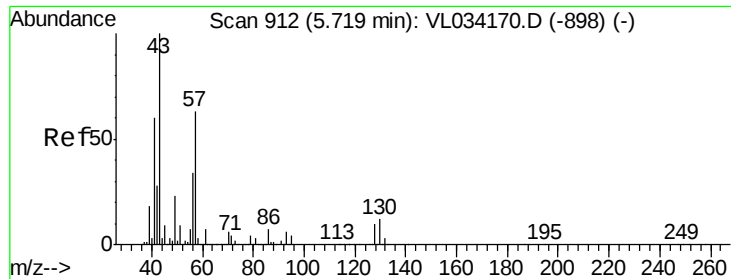
MMDadoda
10/7/2019 12:30:13 PM



#20
Methylene Chloride
Concen: 2.782 ppbv
RT: 4.36 min Scan# 490
Delta R.T. 0.01 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion: 84 Resp: 100855
Ion Ratio Lower Upper
84 100
49 168.3 133.8 200.8
51 47.2 43.6 65.4
86 58.6 53.1 79.7





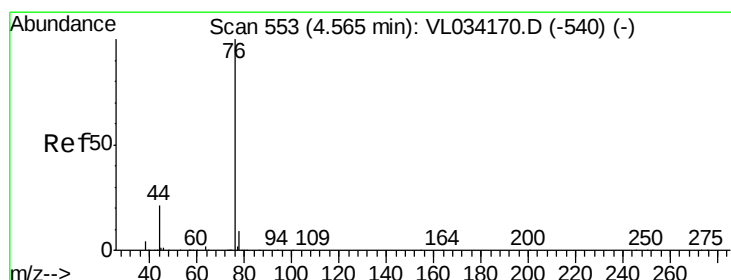
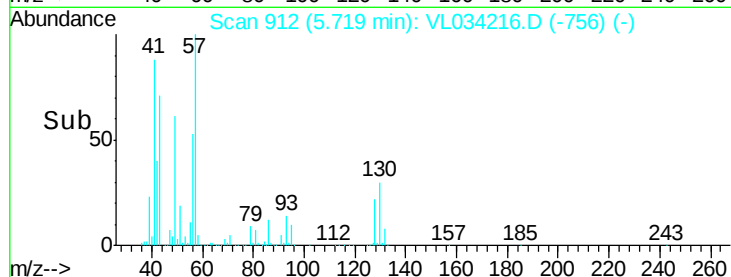
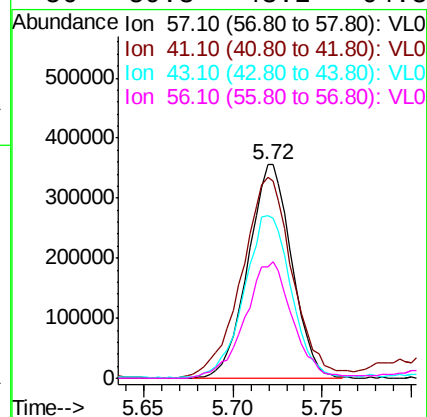
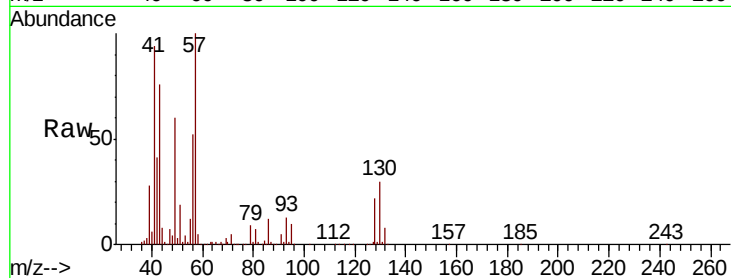
#26
Hexane
Concen: 6.159 ppbv
RT: 5.72 min Scan# 912
Delta R.T. 0.00 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Instrument :
MSVOA_L
ClientSampled :
SV-4

Tot Ion	Ratio	Lower	Upper
57	100		
41	108.9	78.5	117.7
43	81.2	189.5	284.3#
56	59.3	43.2	64.8

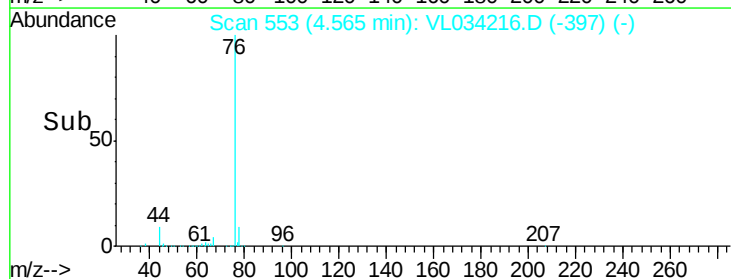
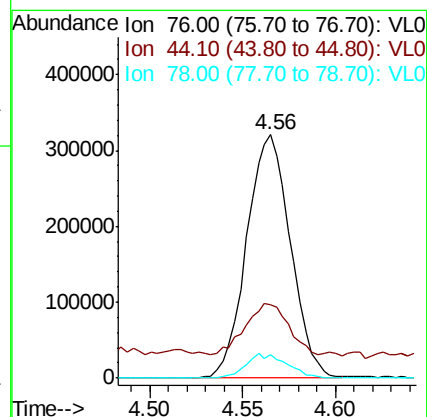
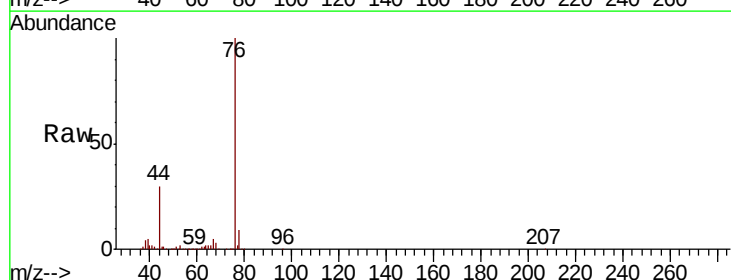
Manual Integrations
APPROVED

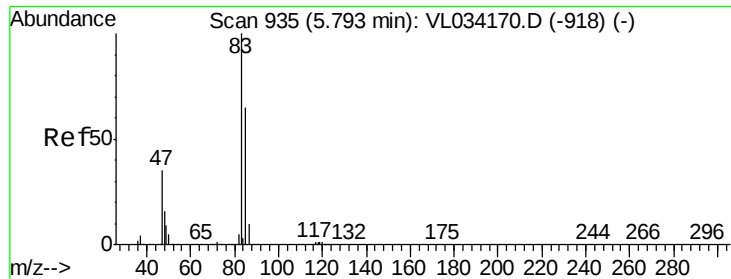
MMDadoda
10/7/2019 12:30:13 PM



#27
Carbon Disulfide
Concen: 5.774 ppbv
RT: 4.56 min Scan# 553
Delta R.T. 0.00 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion	Ratio	Lower	Upper
76	100		
44	24.2	17.6	26.4
78	9.6	7.6	11.4





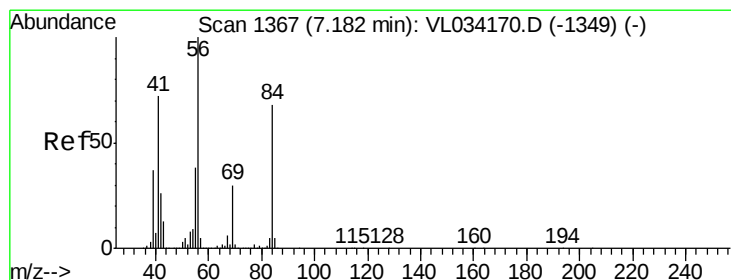
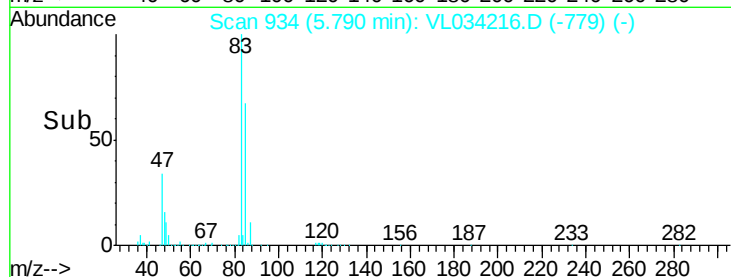
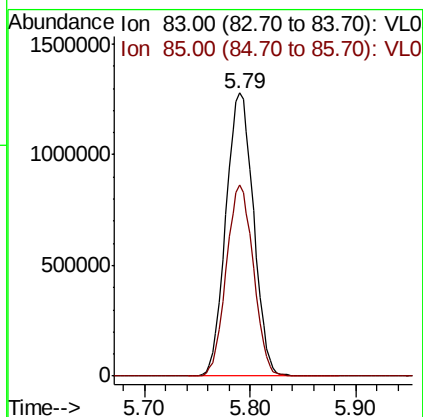
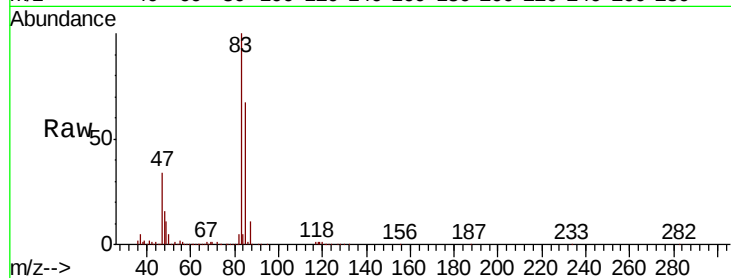
#29
Chloroform
Concen: 16.387 ppbv
RT: 5.79 min Scan# 934
Delta R.T. -0.00 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Instrument :
MSVOA_L
ClientSampled :
SV-4

Tot Ion: 83 Resp: 2315985
Ion Ratio Lower Upper
83 100
85 67.3 52.3 78.5

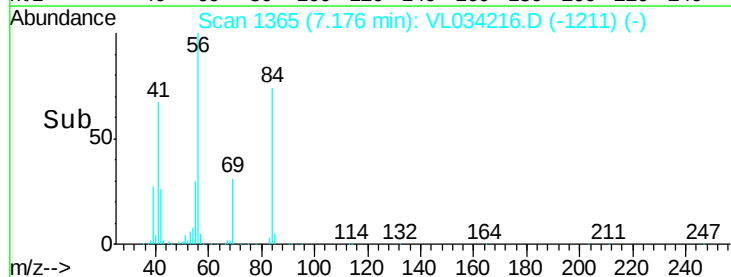
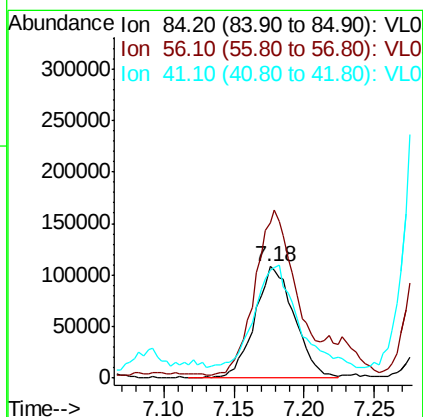
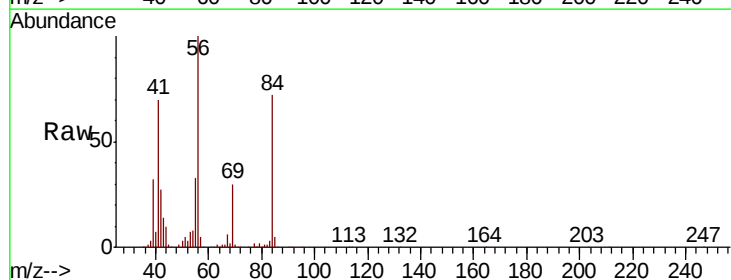
Manual Integrations
APPROVED

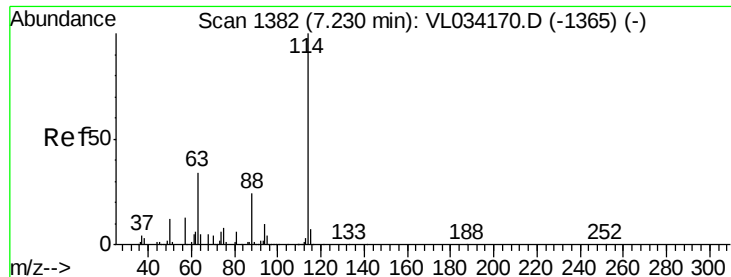
MMDadoda
10/7/2019 12:30:13 PM



#30
Cyclohexane
Concen: 2.992 ppbv
RT: 7.18 min Scan# 1365
Delta R.T. -0.01 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion: 84 Resp: 213627
Ion Ratio Lower Upper
84 100
56 174.9 126.2 189.2
41 122.4 85.8 128.8





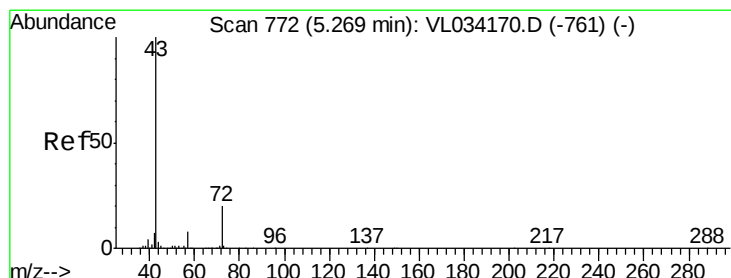
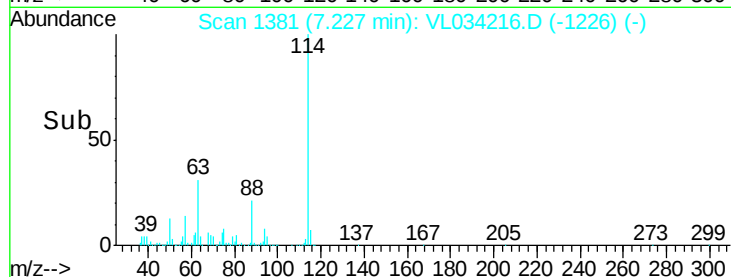
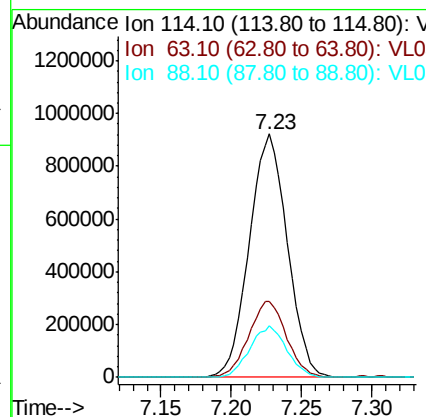
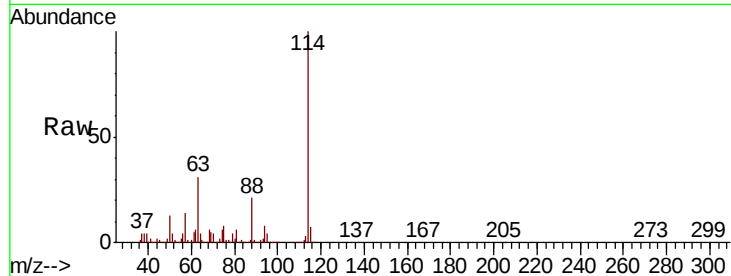
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.23 min Scan# 1381
 Delta R.T. -0.00 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

Tot Ion	Ratio	Lower	Upper
114	100		
63	31.2	27.8	41.6
88	20.5	17.1	25.7

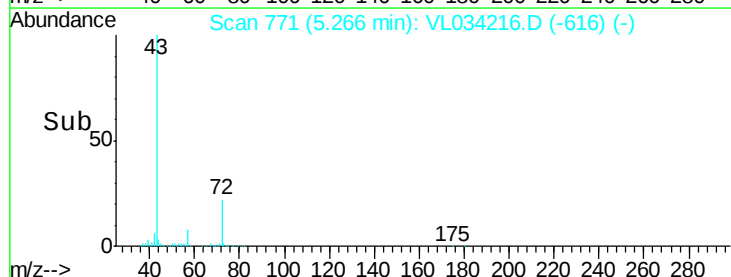
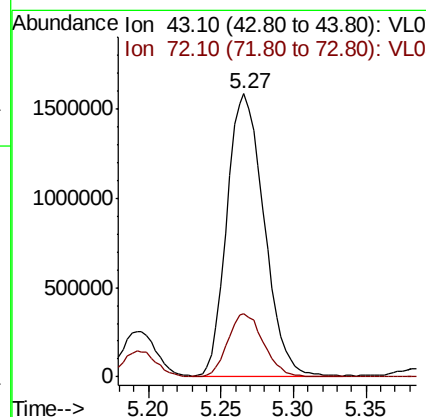
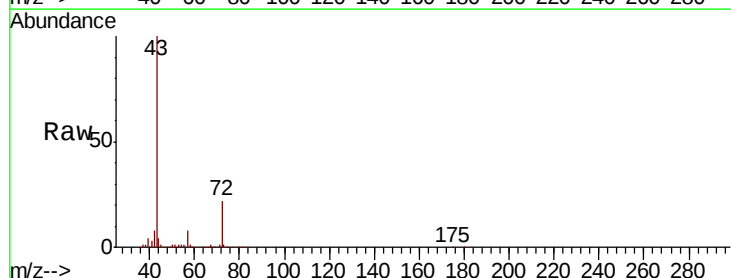
Manual Integrations
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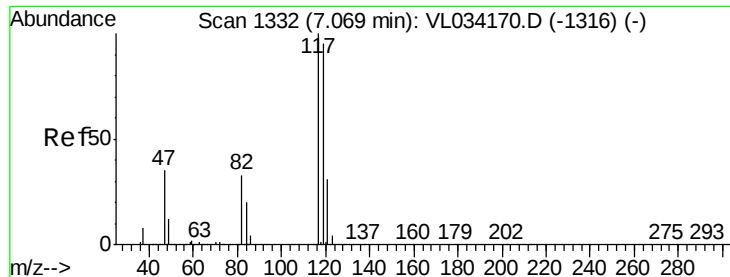
MMDadoda
 10/7/2019 12:30:13 PM



#34
 2-Butanone
 Concen: 15.720 ppbv
 RT: 5.27 min Scan# 771
 Delta R.T. -0.00 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.5	15.0	22.6





#35

Carbon Tetrachloride

Concen: 0.052 ppbv m

RT: 7.07 min Scan# 1332

Delta R.T. 0.00 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

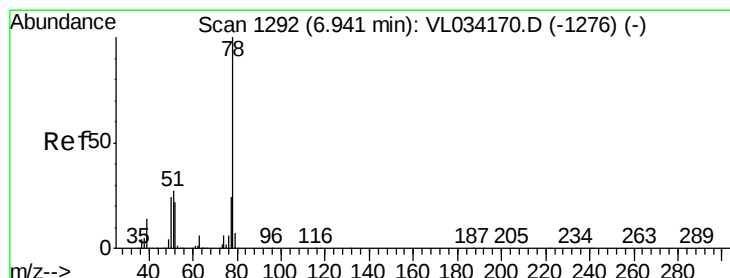
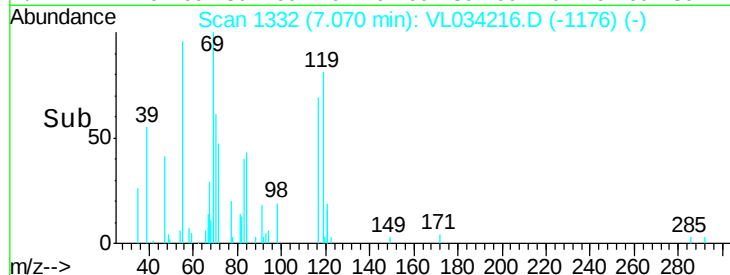
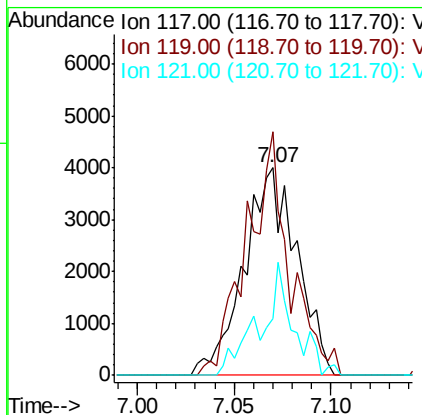
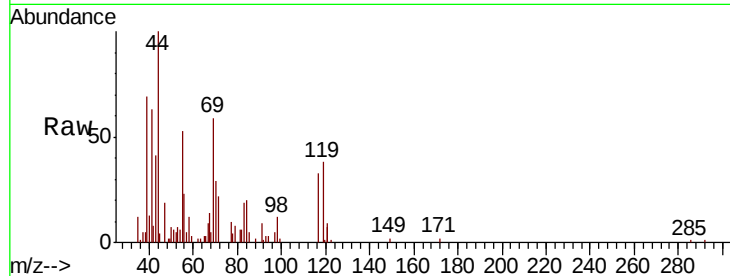
ClientSampled :

SV-4

Tot Ion	Ratio	Lower	Upper
117	100		
119	117.3	75.8	113.6#
121	27.4	25.0	37.6

Manual Integrations
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10/7/2019 12:30:13 PM



#36

Benzene

Concen: 5.468 ppbv

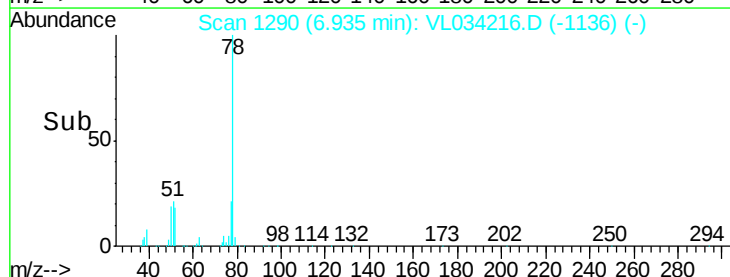
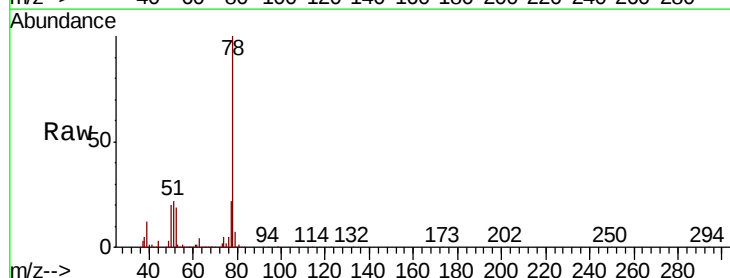
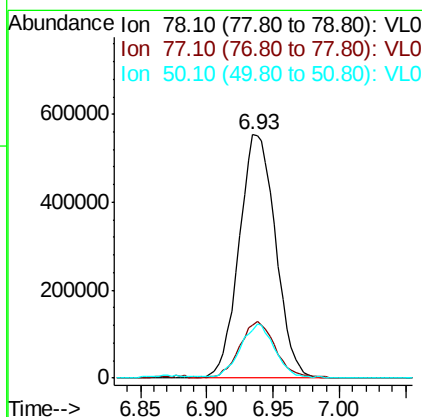
RT: 6.93 min Scan# 1290

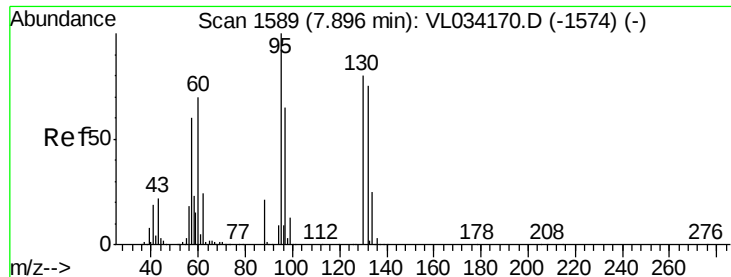
Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Tgt Ion	Ratio	Lower	Upper
78	100		
77	21.7	19.0	28.4
50	19.6	18.9	28.3





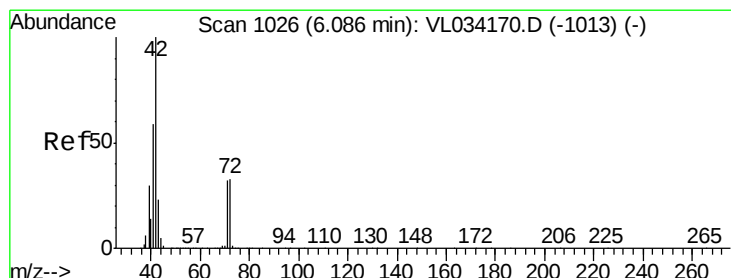
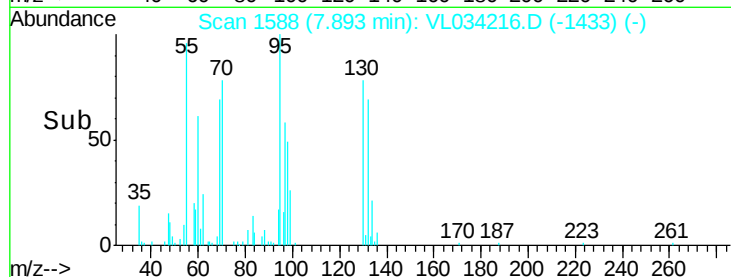
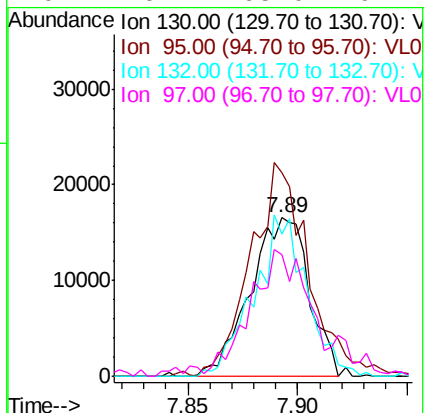
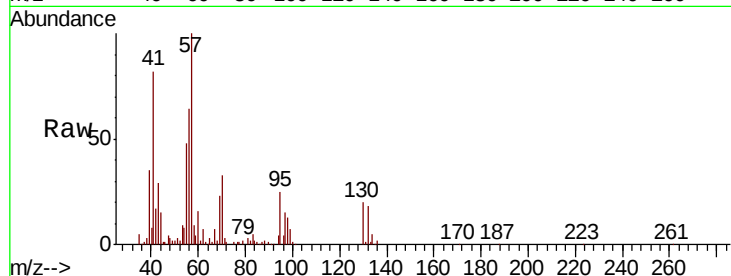
#38
 Trichloroethene
 Concen: 0.445 ppbv m
 RT: 7.89 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

Tot Ion	Ratio	Lower	Upper
130	100		
95	128.7	99.8	149.6
132	89.4	75.2	112.8
97	76.7	65.0	97.4

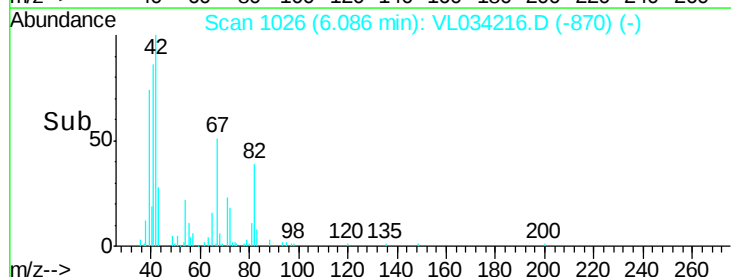
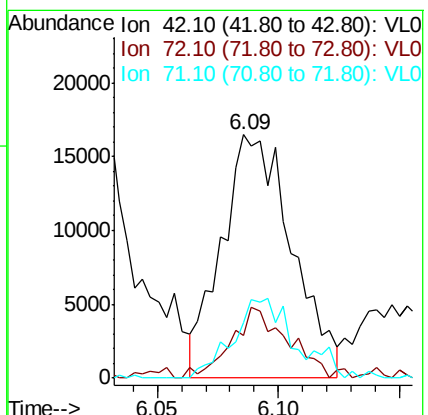
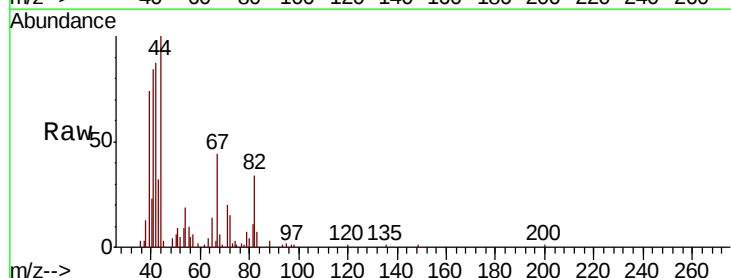
Manual Integrations
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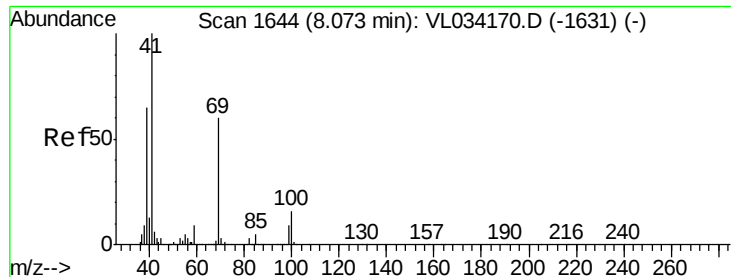
MMDadoda
 10/7/2019 12:30:13 PM



#41
 Tetrahydrofuran
 Concen: 0.331 ppbv m
 RT: 6.09 min Scan# 1026
 Delta R.T. 0.00 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

Tgt Ion	Ratio	Lower	Upper
42	100		
72	26.3	26.6	40.0#
71	0.0	25.1	37.7#





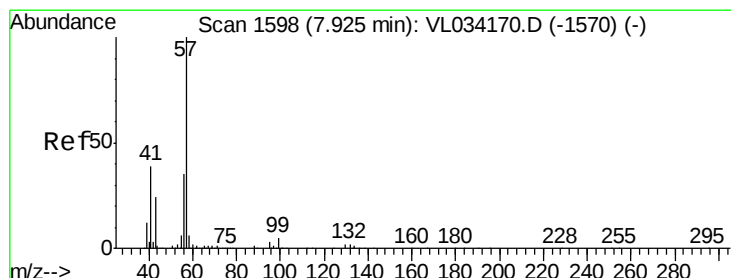
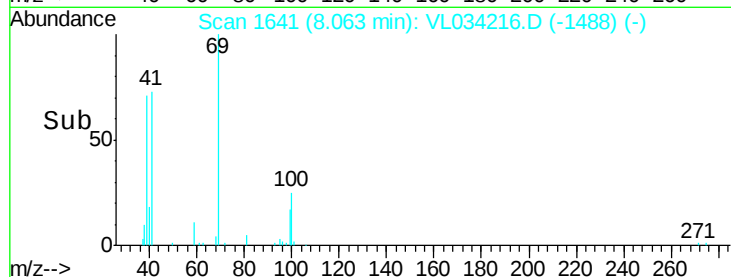
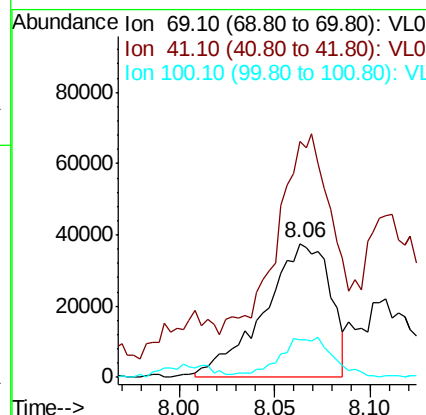
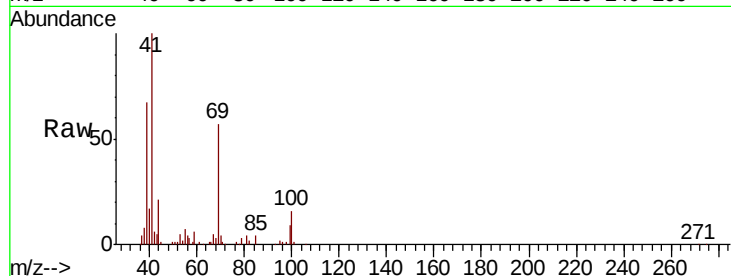
#43
Methyl Methacrylate
Concen: 1.136 ppbv m
RT: 8.06 min Scan# 1641
Delta R.T. -0.01 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Instrument :
MSVOA_L
ClientSampled :
SV-4

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	193.6	140.4	210.6	
100	24.1	21.9	32.9	

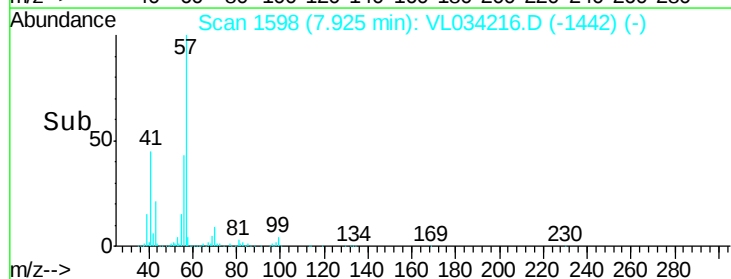
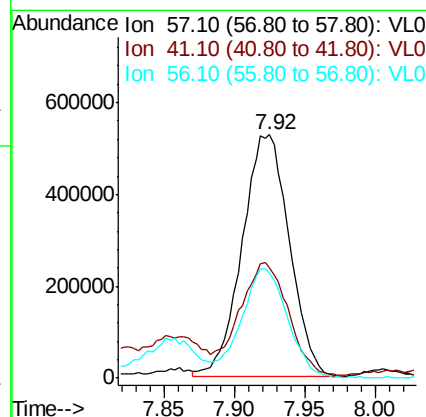
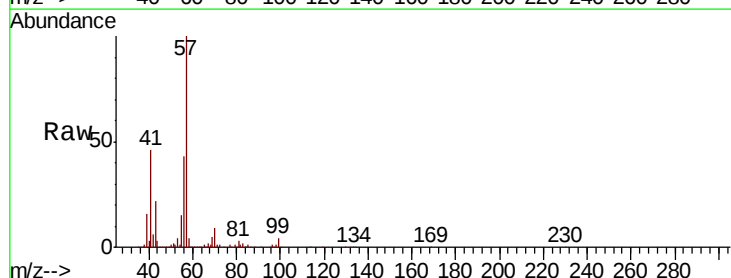
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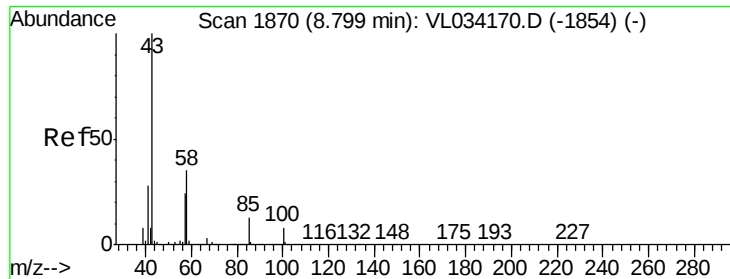
MMDadoda
10/7/2019 12:30:13 PM



#44
2,2,4-Trimethylpentane
Concen: 3.312 ppbv
RT: 7.92 min Scan# 1598
Delta R.T. 0.00 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	49.0	29.8	44.6#	
56	44.0	25.9	38.9#	





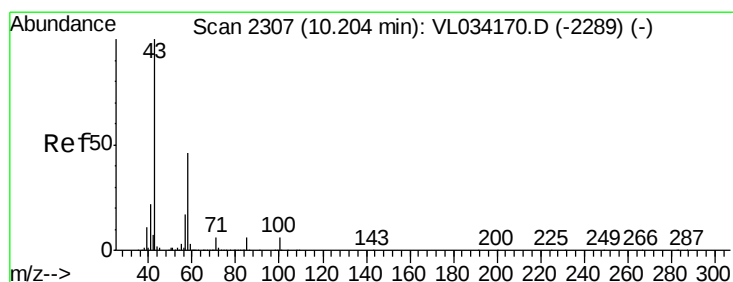
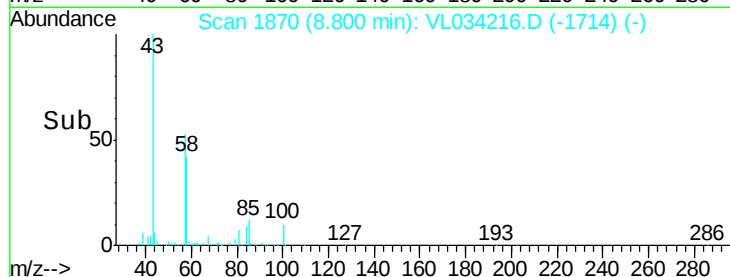
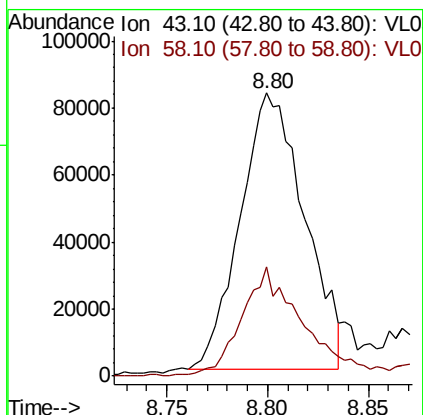
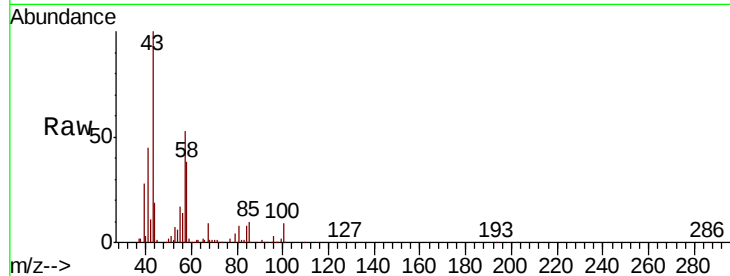
#50
4-Methyl-2-Pentanone
Concen: 0.710 ppbv
RT: 8.80 min Scan# 1870
Delta R.T. 0.00 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Instrument :
MSVOA_L
ClientSampled :
SV-4

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	27.6	41.4

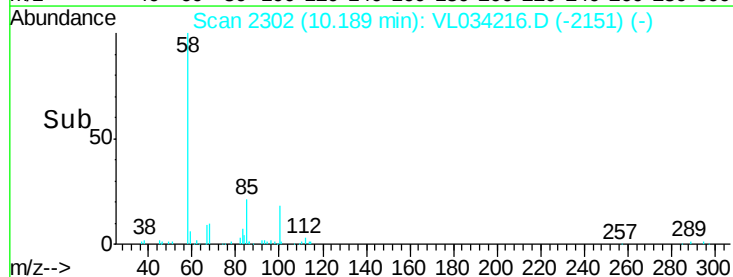
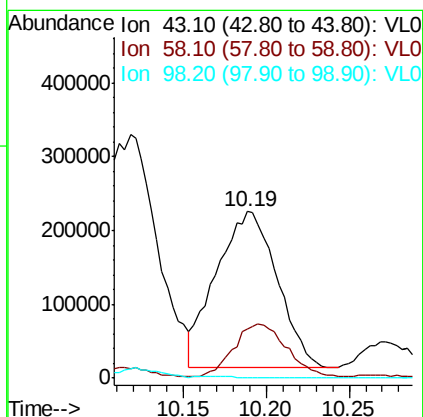
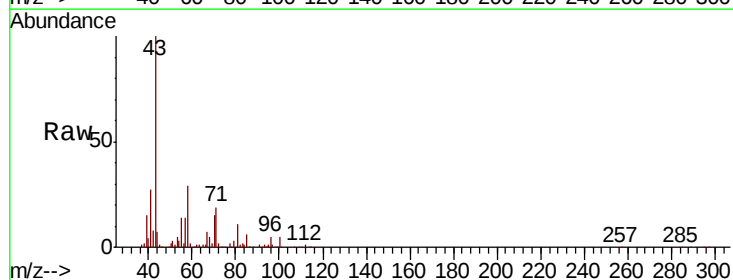
Manual Integrations
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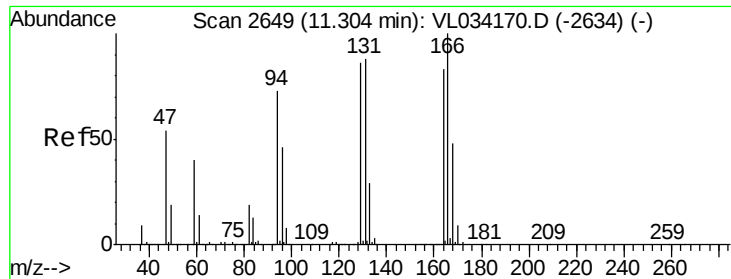
MMDadoda
10/7/2019 12:30:13 PM



#51
2-Hexanone
Concen: 2.500 ppbv
RT: 10.19 min Scan# 2302
Delta R.T. -0.02 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	29.0	36.2	54.4#
98	0.7	0.2	0.2#





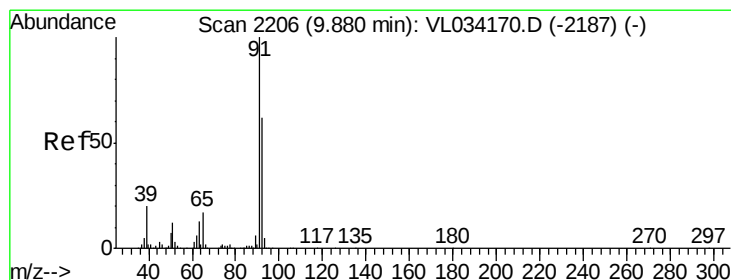
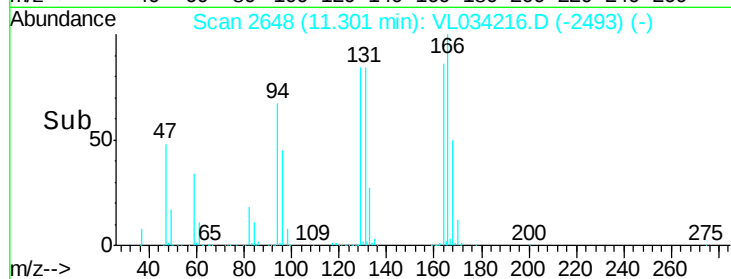
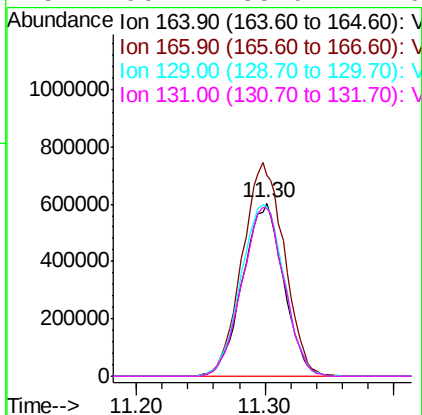
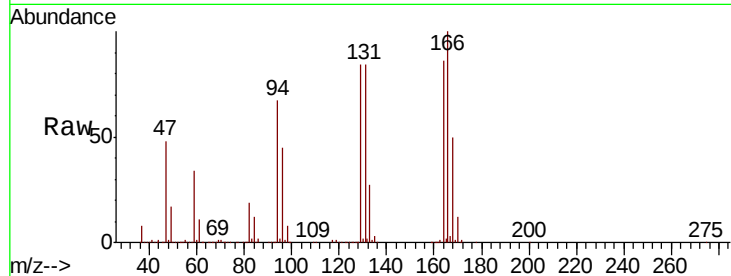
#52
Tetrachloroethene
Concen: 20.838 ppbv
RT: 11.30 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Instrument :
MSVOA_L
ClientSampleId :
SV-4

Tot Ion	Ratio	Lower	Upper
164	100		
166	115.9	96.7	145.1
129	97.9	82.8	124.2
131	96.7	85.0	127.6

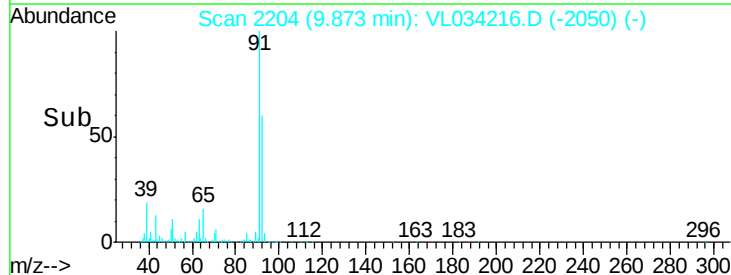
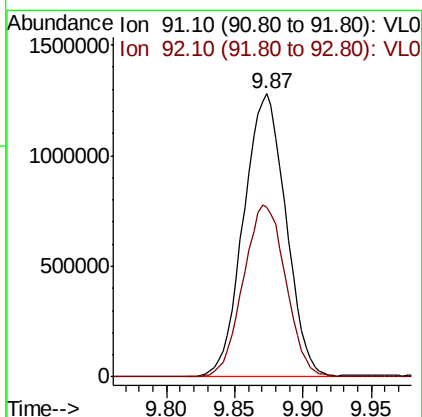
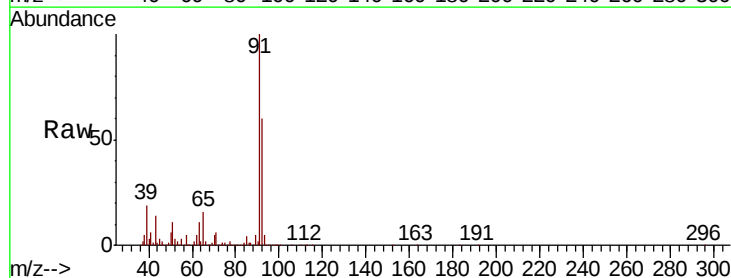
Manual Integrations
APPROVED

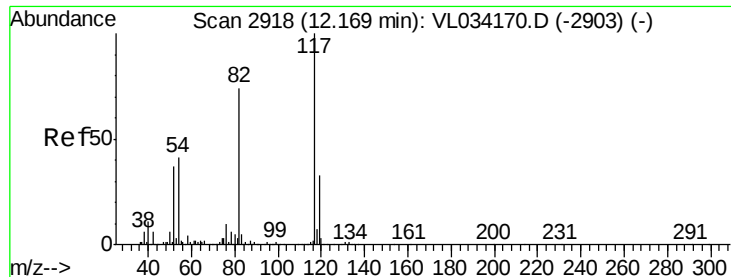
MMDadoda
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#53
Toluene
Concen: 13.059 ppbv
RT: 9.87 min Scan# 2204
Delta R.T. -0.01 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	61.1	49.0	73.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.16 min Scan# 2915

Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampled :

SV-4

Tot Ion:117 Resp: 1809810

Ion Ratio Lower Upper

117 100

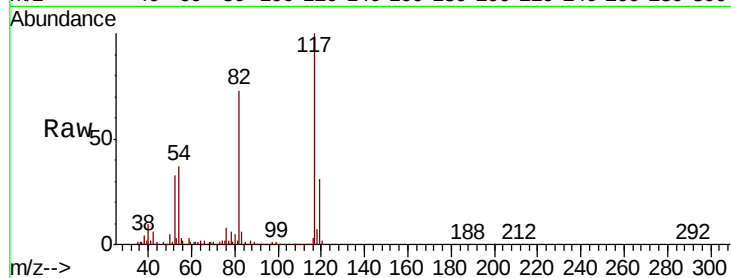
82 73.5 58.2 87.4

119 32.5 23.7 35.5

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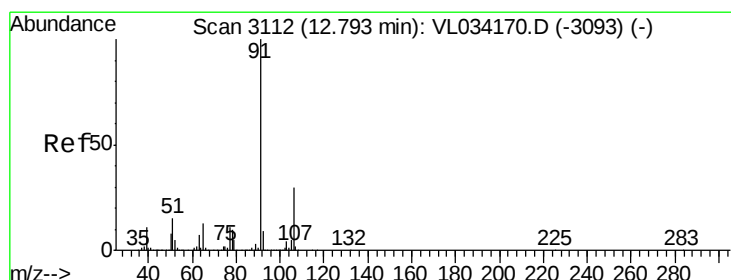
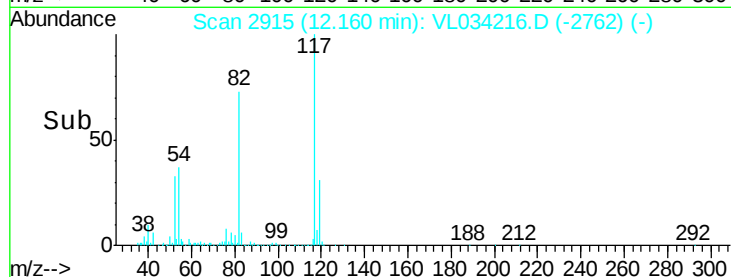
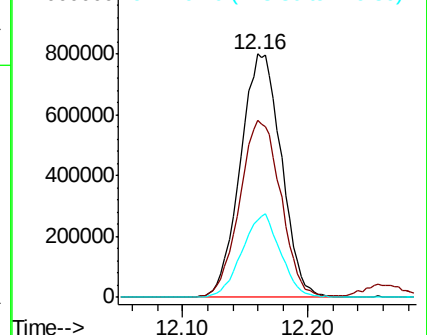
10/7/2019 12:30:13 PM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#58

Ethyl Benzene

Concen: 1.372 ppbv

RT: 12.79 min Scan# 3111

Delta R.T. -0.00 min

Lab File: VL034216.D

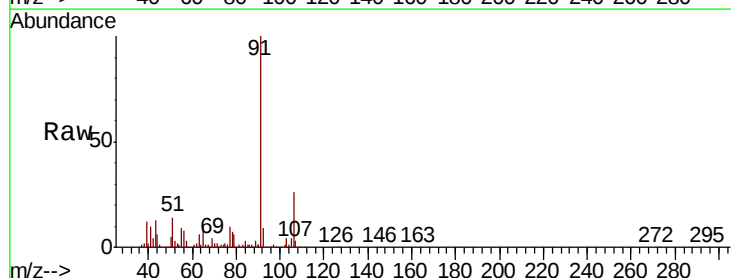
Acq: 2 Oct 2019 18:32

Tgt Ion: 91 Resp: 400641

Ion Ratio Lower Upper

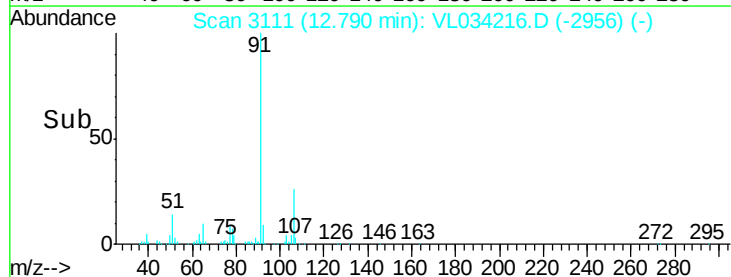
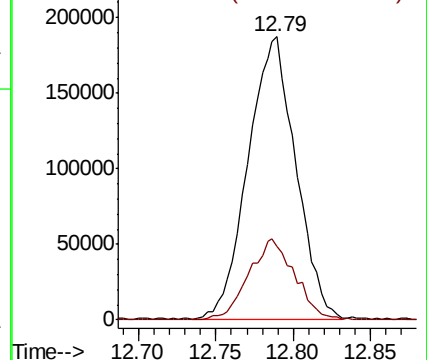
91 100

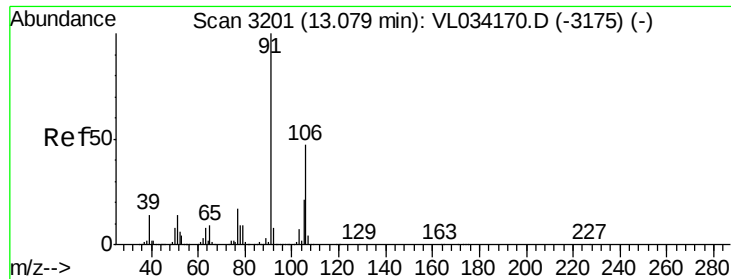
106 26.1 24.2 36.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





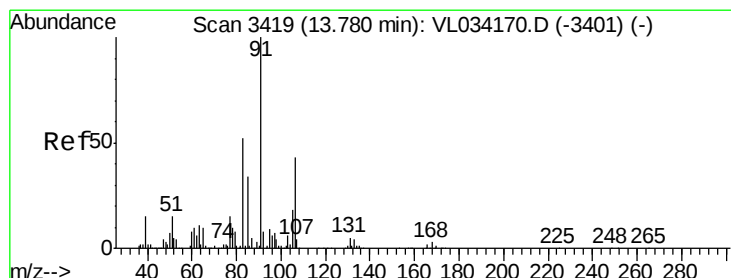
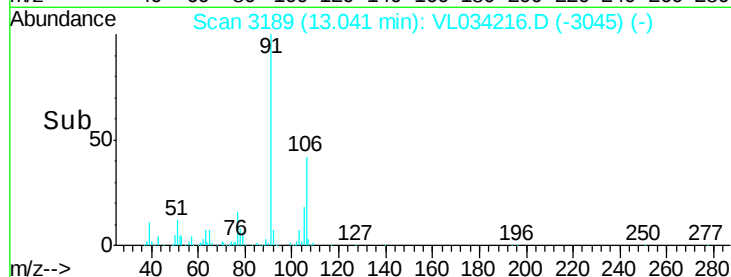
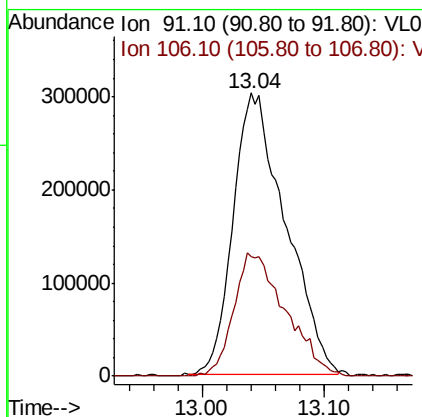
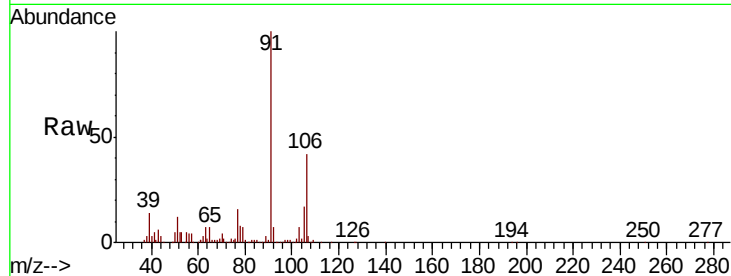
#59
m/p-Xylene
Concen: 3.736 ppbv
RT: 13.04 min Scan# 3189
Delta R.T. -0.04 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Instrument :
MSVOA_L
ClientSampleId :
SV-4

Tot Ion: 91 Resp: 903563
Ion Ratio Lower Upper
91 100
106 43.0 35.5 53.3

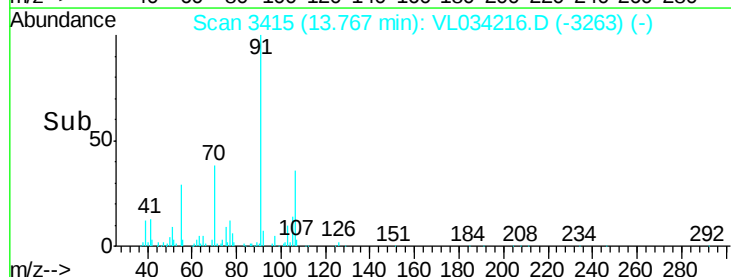
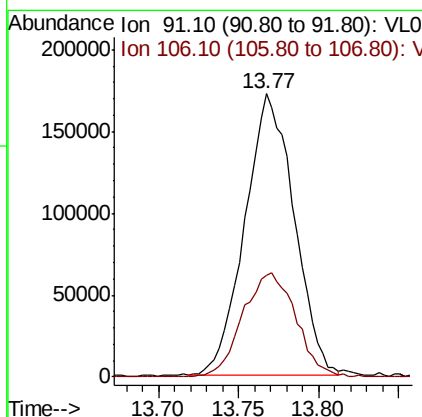
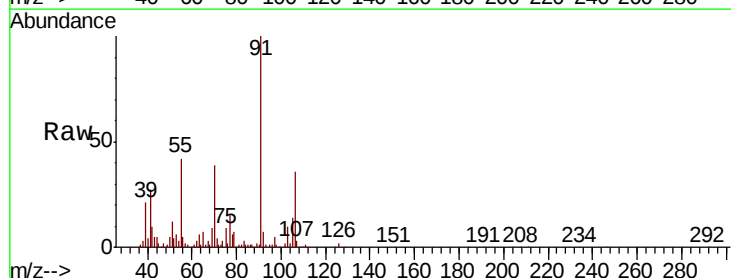
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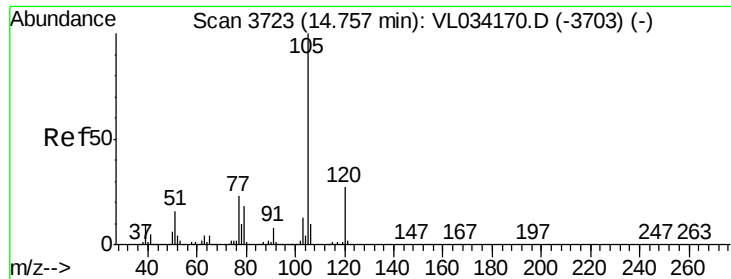
MMDadoda
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#60
o-Xylene
Concen: 1.500 ppbv
RT: 13.77 min Scan# 3415
Delta R.T. -0.01 min
Lab File: VL034216.D
Acq: 2 Oct 2019 18:32

Tgt Ion: 91 Resp: 362711
Ion Ratio Lower Upper
91 100
106 40.2 21.2 63.6





#62

Isopropylbenzene

Concen: 0.133 ppbv m

RT: 14.75 min Scan# 3721

Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

ClientSampled :

SV-4

Tot Ion:105 Resp: 41534

Ion Ratio Lower Upper

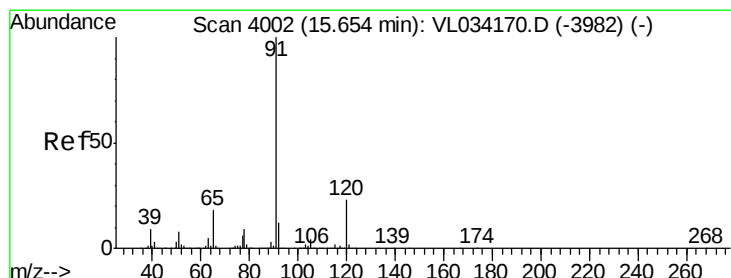
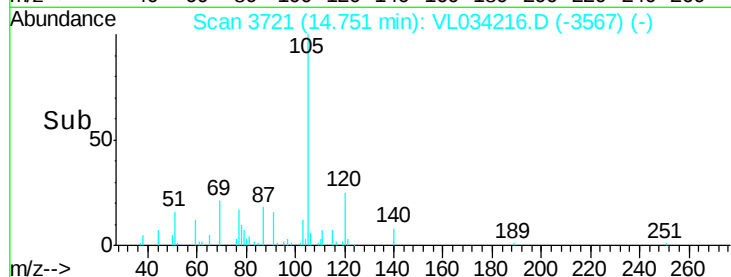
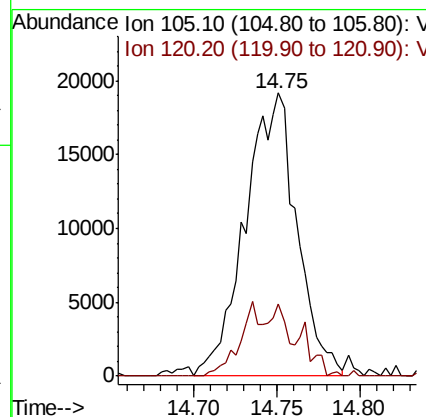
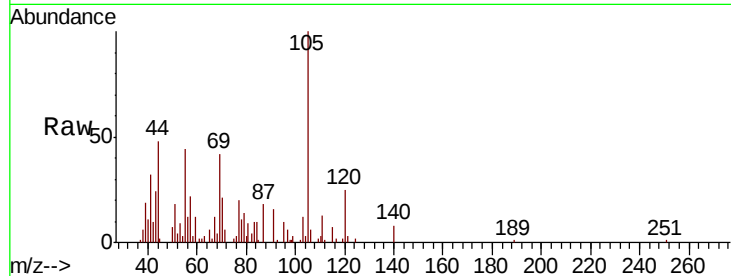
105 100

120 0.0 20.7 31.1#

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#64

n-propylbenzene

Concen: 0.327 ppbv

RT: 15.64 min Scan# 3997

Delta R.T. -0.02 min

Lab File: VL034216.D

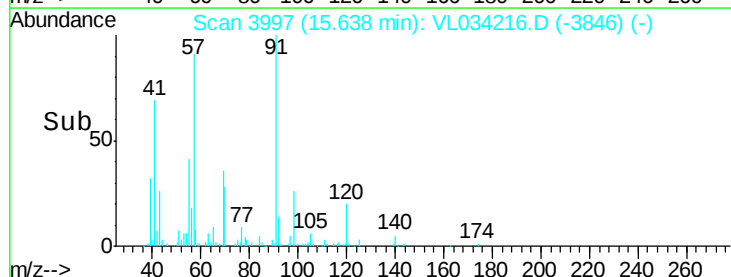
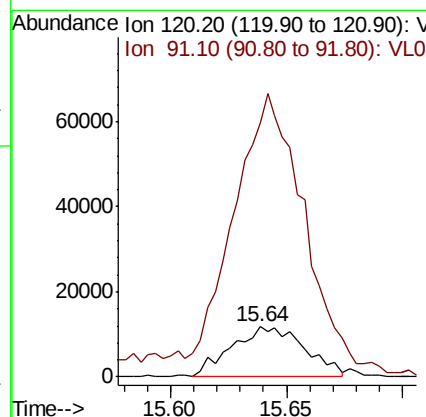
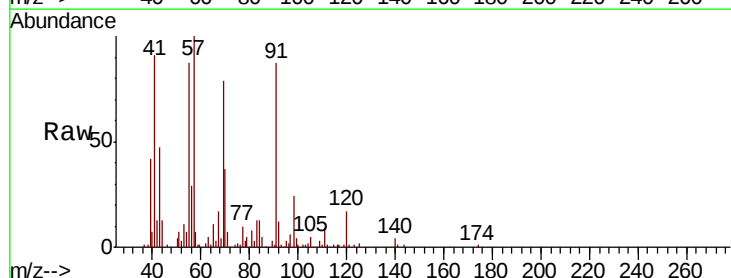
Acq: 2 Oct 2019 18:32

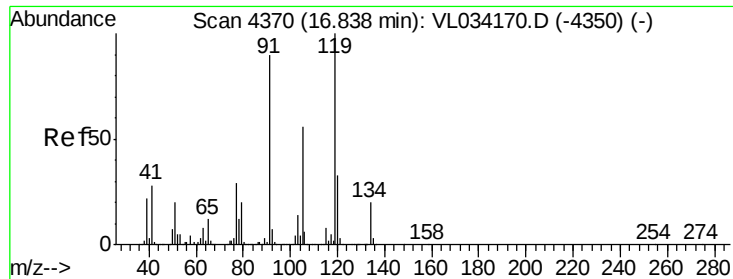
Tgt Ion:120 Resp: 25934

Ion Ratio Lower Upper

120 100

91 598.2 378.2 567.2#





#65

tert-Butylbenzene

Concen: 0.148 ppbv

RT: 16.85 min Scan# 4373

Delta R.T. 0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

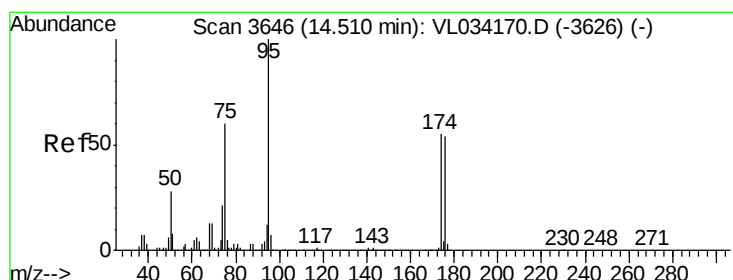
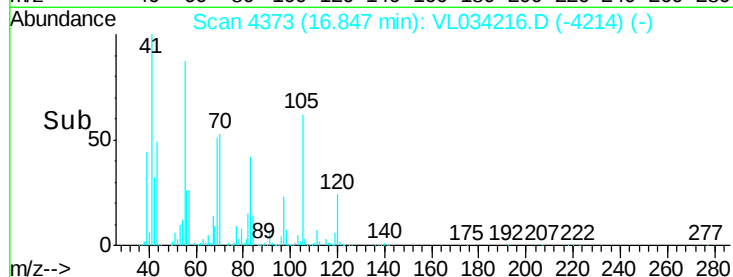
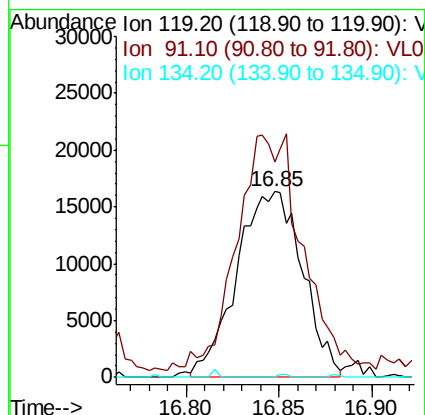
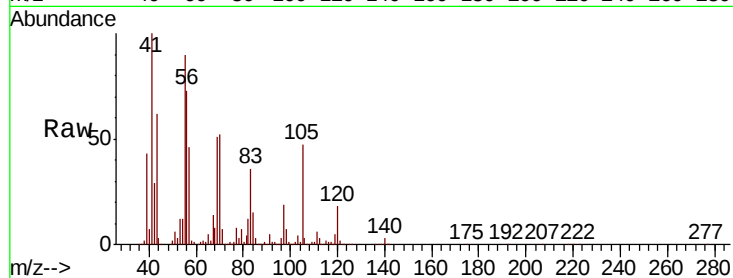
ClientSampled :

SV-4

Tot Ion	Ion	Ratio	Resp	Lower	Upper
119	100		40481		
91	125.1	74.9	112.3#		
134	0.4	15.8	23.6#		

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.022 ppbv

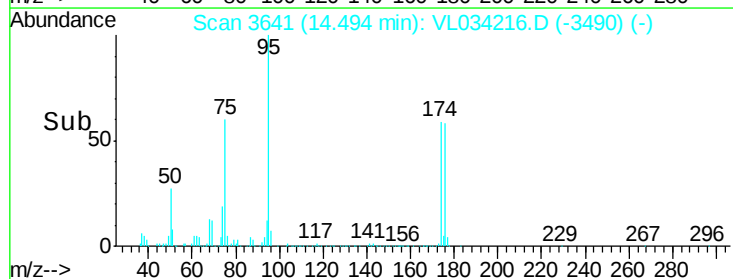
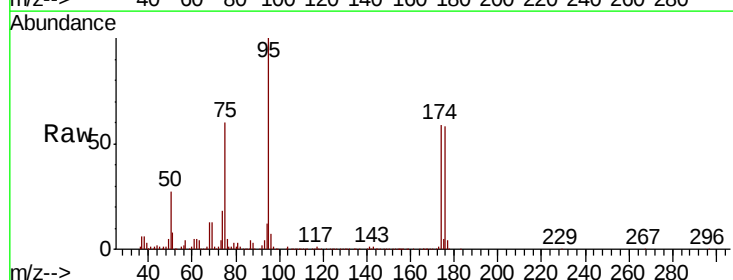
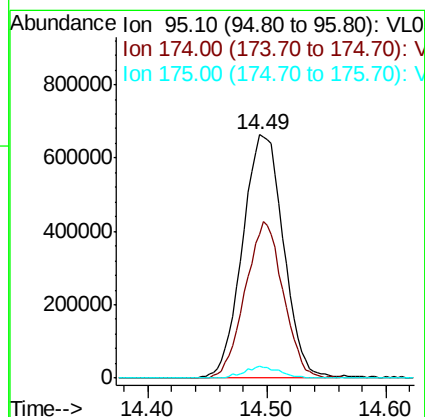
RT: 14.49 min Scan# 3641

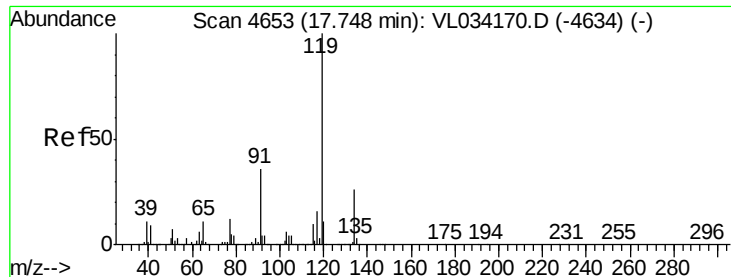
Delta R.T. -0.02 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
95	100		1576133		
174	59.9	45.1	67.7		
175	4.3	3.3	4.9		





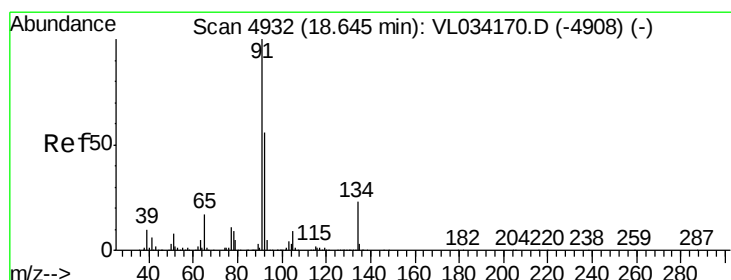
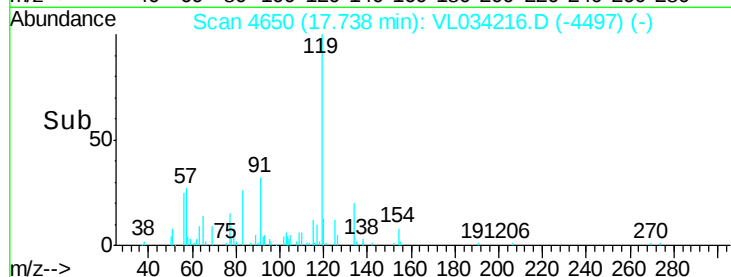
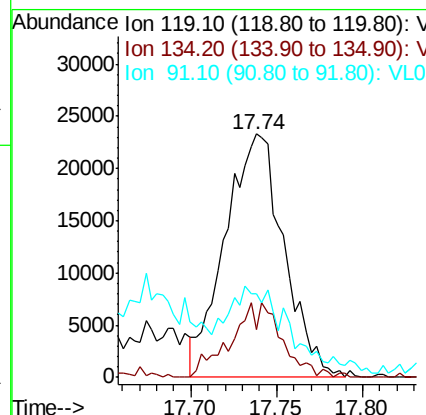
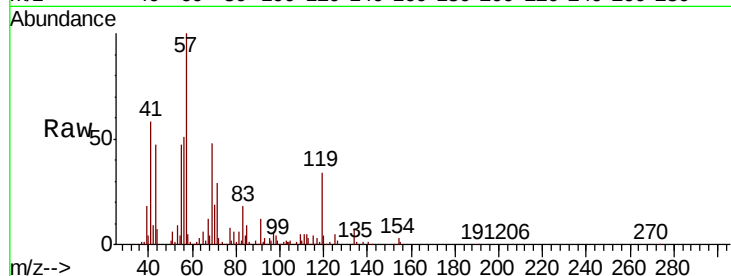
#69
 p-Isopropyltoluene
 Concen: 0.175 ppbv m
 RT: 17.74 min Scan# 4650
 Delta R.T. -0.01 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-4

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.9	20.6	30.8
91	35.8	27.6	41.4

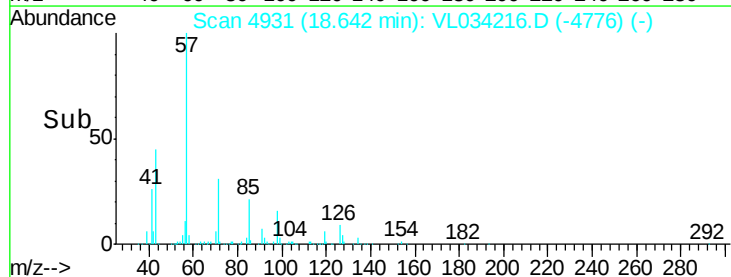
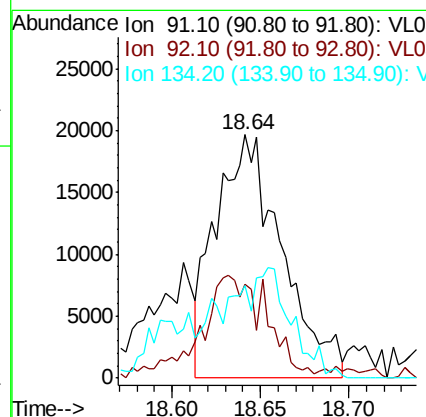
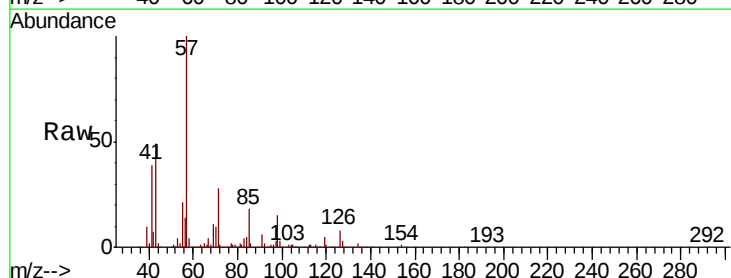
Manual Integrations
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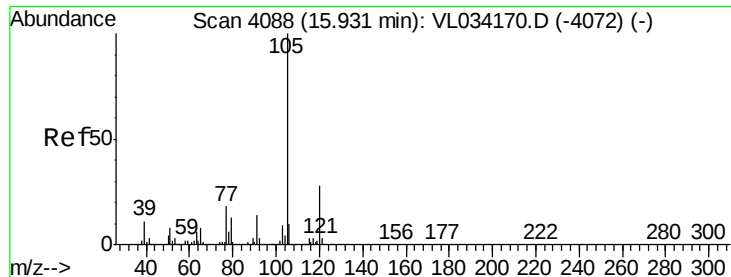
MMDadoda
 10/7/2019 12:30:13 PM



#70
 n-Butylbenzene
 Concen: 0.140 ppbv m
 RT: 18.64 min Scan# 4931
 Delta R.T. -0.00 min
 Lab File: VL034216.D
 Acq: 2 Oct 2019 18:32

Tgt Ion	Ratio	Lower	Upper
91	100		
92	41.9	44.8	67.2#
134	0.0	17.3	25.9#





#72

4-Ethyltoluene

Concen: 0.484 ppbv

RT: 15.92 min Scan# 4084

Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

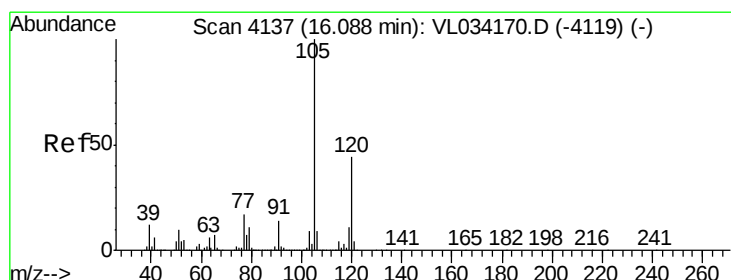
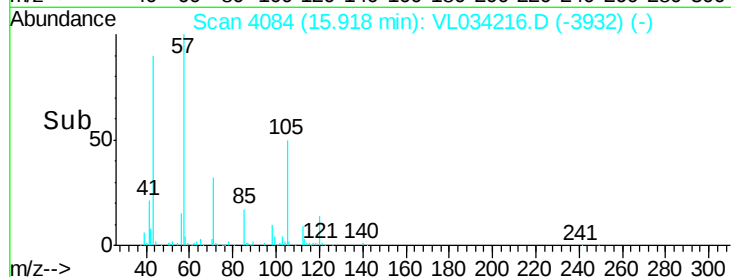
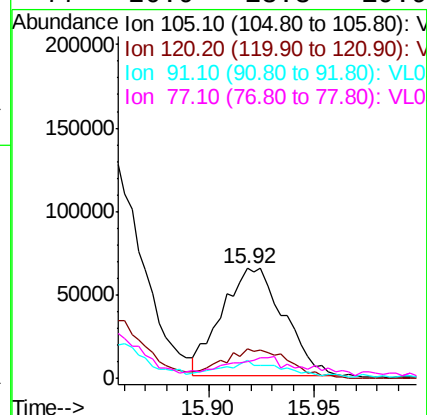
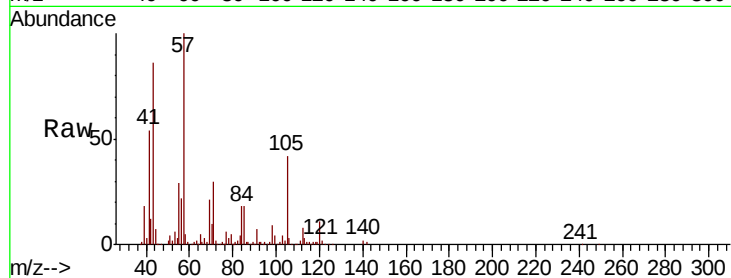
ClientSampled :

SV-4

Tot Ion	Ratio	Lower	Upper
105	100		
120	29.5	23.3	34.9
91	14.7	11.4	17.2
77	20.9	13.3	19.9

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#73

1,3,5-Trimethylbenzene

Concen: 0.488 ppbv

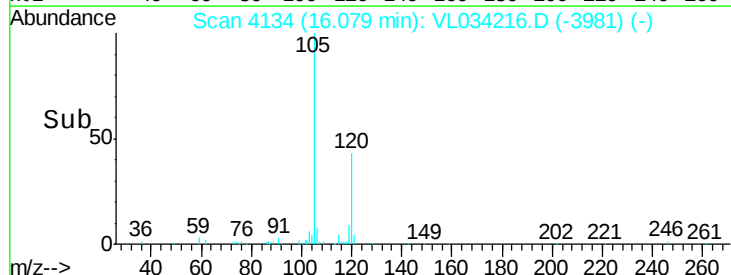
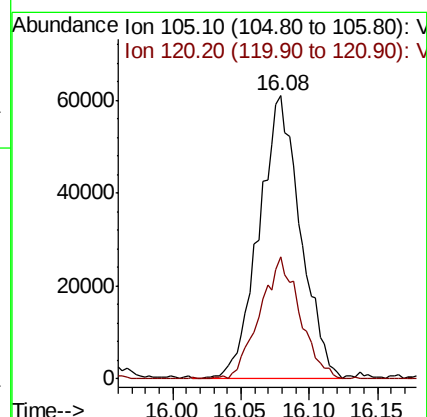
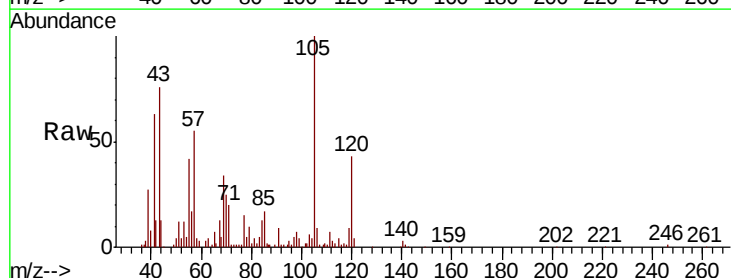
RT: 16.08 min Scan# 4134

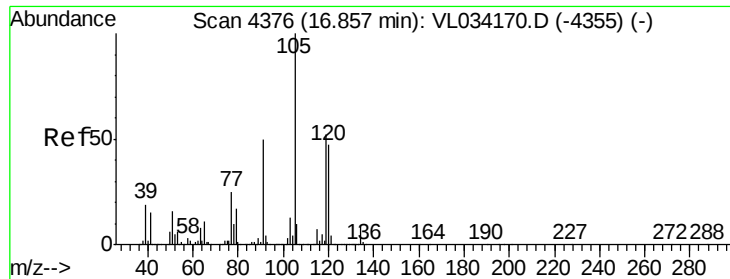
Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.1	35.6	53.4





#74

1,2,4-Trimethylbenzene

Concen: 1.337 ppbv

RT: 16.85 min Scan# 4373

Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Instrument :

MSVOA_L

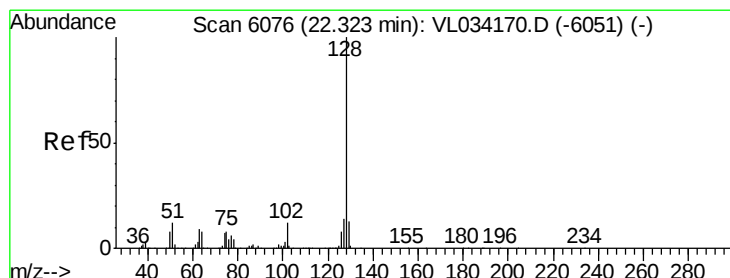
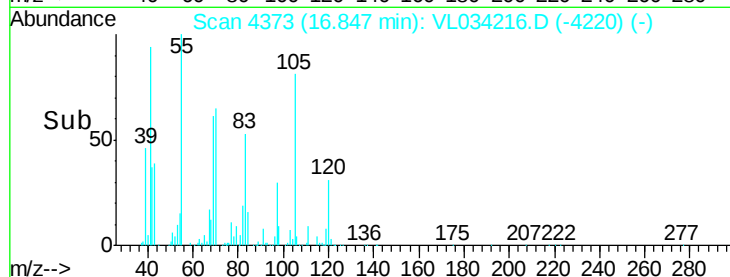
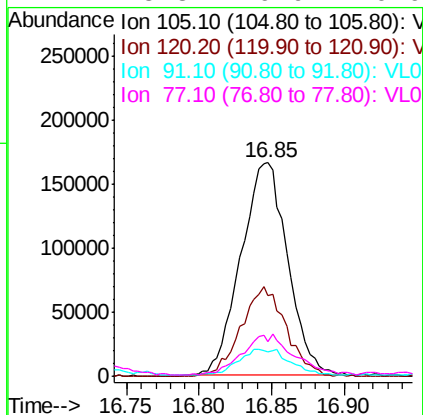
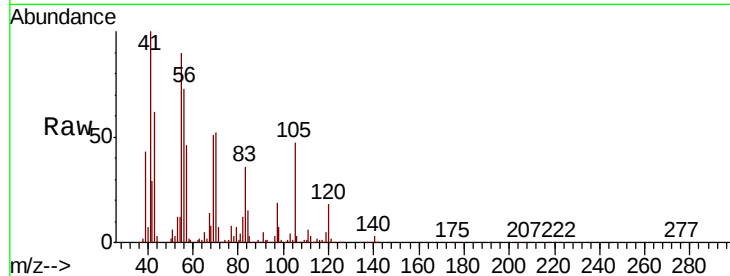
ClientSampled :

SV-4

Tot Ion:	105	Resp:	374865
Ion Ratio	Lower	Upper	
105	100		
120	37.8	37.5	56.3
91	10.6	41.1	61.7#
77	15.8	19.9	29.9#

Manual Integrations
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#79

Naphthalene

Concen: 0.135 ppbv m

RT: 22.32 min Scan# 6074

Delta R.T. -0.01 min

Lab File: VL034216.D

Acq: 2 Oct 2019 18:32

Tgt Ion:	128	Resp:	33283
Ion Ratio	Lower	Upper	
128	100		
127	9.4	11.1	16.7#
129	13.2	10.2	15.4

