

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081518\
 Data File : VL032376.D
 Acq On : 16 Aug 2018 8:36
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 8/17/2018 2:07:00 PM

Quant Time: Aug 16 09:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 16 09:07:20 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	1484631	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	3348575	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	3216973m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.65	95	2517023	10.26	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.11	85	1432735	12.11	ppbv	99
3) Chlorodifluoromethane	3.05	51	1289353	9.37	ppbv	98
4) Chloromethane	3.21	50	761702	9.31	ppbv	94
5) Vinyl Chloride	3.33	62	739996	9.48	ppbv	99
6) Bromomethane	3.55	94	407294	9.74	ppbv	98
7) Chloroethane	3.64	64	261205	9.55	ppbv	99
8) Dichlorotetrafluoroethane	3.26	85	1583465	9.44	ppbv	99
9) Propene	3.07	41	617729	10.50	ppbv	99
10) Heptane	8.31	43	2107281	11.89	ppbv	100
11) Trichlorofluoromethane	4.05	101	1638022	9.86	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.60	101	1076078	9.62	ppbv	98
13) Ethanol	3.69	45	165075	10.92	ppbv	100
14) Bromoethene	3.83	108	490189	10.14	ppbv	99
15) Acetone	3.95	43	1236441	8.77	ppbv	97
16) 1,3-Butadiene	3.40	39	636668	10.93	ppbv	84
17) tert-Butyl alcohol	4.41	59	271655	11.48	ppbv	98
18) 1,1-Dichloroethene	4.40	96	529362	10.16	ppbv	99
19) Isopropyl Alcohol	4.07	45	1041800	10.97	ppbv #	99
20) Methylene Chloride	4.46	84	457409	8.59	ppbv	98
21) Allyl Chloride	4.52	41	956706	10.75	ppbv	97
22) trans-1,2-Dichloroethene	5.02	96	527064	10.03	ppbv	99
23) Vinyl Acetate	5.21	43	2360402	9.69	ppbv	99
24) 1,1-Dichloroethane	5.14	63	1592641	9.06	ppbv	99
25) Ethyl Acetate	5.82	43	3015552	9.98	ppbv	100
26) Hexane	5.84	57	1321196	9.80	ppbv	96
27) Carbon Disulfide	4.67	76	1383401	11.00	ppbv	98
28) Methyl tert-Butyl Ether	5.17	73	1944542	10.87	ppbv	99
29) Chloroform	5.91	83	1955132	9.90	ppbv	98
30) Cyclohexane	7.31	84	1100697	10.72	ppbv	97
31) cis-1,2-Dichloroethene	5.70	61	1503424	11.40	ppbv	96
32) 1,1,1-Trichloroethane	6.68	97	2095436	10.90	ppbv	98
34) 2-Butanone	5.38	43	2192150	9.62	ppbv	99
35) Carbon Tetrachloride	7.20	117	1921767	9.73	ppbv	99
36) Benzene	7.07	78	2771869	9.76	ppbv	99
37) 1,2-Dichloroethane	6.47	62	1670549	9.70	ppbv	99
38) Trichloroethene	8.03	130	955886	9.60	ppbv	98
39) 1,2-Dichloropropane	7.80	63	1141547	9.63	ppbv	98
40) 1,4-Dioxane	8.02	88	393571	10.93	ppbv	97
41) Tetrahydrofuran	6.21	42	1298743	10.62	ppbv	100
42) Bromodichloromethane	7.98	83	2253650	9.99	ppbv	99
43) Methyl Methacrylate	8.20	69	1206152	10.66	ppbv	99

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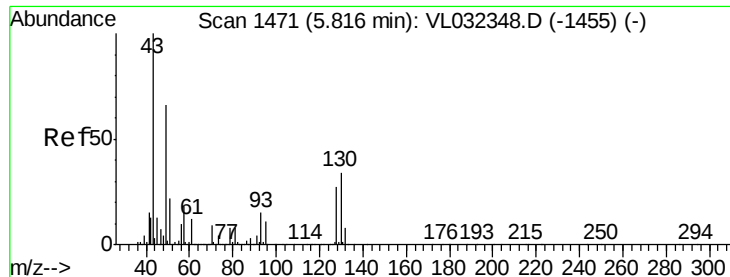
Manual Integrations
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Quant Time: Aug 16 09:07:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 16 09:07:20 2018
 QLast Update : Wed Aug 15 14:58:02 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.05	57	4905354	9.58	ppbv	99
45) t-1,3-Dichloropropene	9.48	75	1709500	11.95	ppbv	98
46) cis-1,3-Dichloropropene	8.90	75	1936290	11.28	ppbv	97
47) 1,1,2-Trichloroethane	9.68	97	1238157	9.49	ppbv	97
48) Dibromochloromethane	10.52	129	1851586	10.61	ppbv	100
49) Bromoform	13.27	173	1459868	10.07	ppbv	100
50) 4-Methyl-2-Pentanone	8.94	43	3123360	9.49	ppbv	100
51) 2-Hexanone	10.34	43	2500780	10.82	ppbv #	99
52) Tetrachloroethene	11.44	164	871160	10.40	ppbv	98
53) Toluene	10.01	91	3296442	10.59	ppbv	99
54) 1,2-Dibromoethane	10.83	107	1719472	10.26	ppbv	96
56) 1,1,1,2-Tetrachloroethane	12.35	131	1270934	9.55	ppbv	100
57) Chlorobenzene	12.37	112	2301630	9.50	ppbv	98
58) Ethyl Benzene	12.93	91	4347568	11.23	ppbv	99
59) m/p-Xylene	13.22	91	7288442m	22.17	ppbv	
60) o-Xylene	13.92	91	3364039	10.41	ppbv	99
61) Styrene	13.76	104	2648180	11.73	ppbv	100
62) Isopropylbenzene	14.90	105	4852490	10.55	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.91	83	2427709	8.93	ppbv	100
64) n-propylbenzene	15.79	120	1253248	10.53	ppbv	96
65) tert-Butylbenzene	16.98	119	4000007	10.18	ppbv	100
66) Benzyl Chloride	17.23	91	2730527	11.74	ppbv	99
67) sec-Butylbenzene	17.53	105	6084091	10.41	ppbv	99
69) p-Isopropyltoluene	17.88	119	4847121	10.84	ppbv	99
70) n-Butylbenzene	18.78	91	5362587	10.94	ppbv	99
71) 2-Chlorotoluene	15.69	91	3872635	10.88	ppbv	99
72) 4-Ethyltoluene	16.07	105	4076342	11.31	ppbv	99
73) 1,3,5-Trimethylbenzene	16.23	105	3846339	11.09	ppbv	99
74) 1,2,4-Trimethylbenzene	17.00	105	3802246	10.31	ppbv	97
75) 1,3-Dichlorobenzene	17.23	146	2089688	9.43	ppbv	99
76) 1,4-Dichlorobenzene	17.38	146	2128298	10.14	ppbv	100
77) 1,2-Dichlorobenzene	18.06	146	2111841	9.97	ppbv	100
78) Hexachloro-1,3-Butadiene	23.60	225	788808	11.09	ppbv	100
79) Naphthalene	22.49	128	3743182	10.82	ppbv	99
80) Naphthalene, 2-methyl-	25.17	142	1637469	22.25	ppbv	99
81) 1,2,4-Trichlorobenzene	22.21	180	1744124	12.23	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.82 min Scan# 1472

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1484631

Ion Ratio Lower Upper

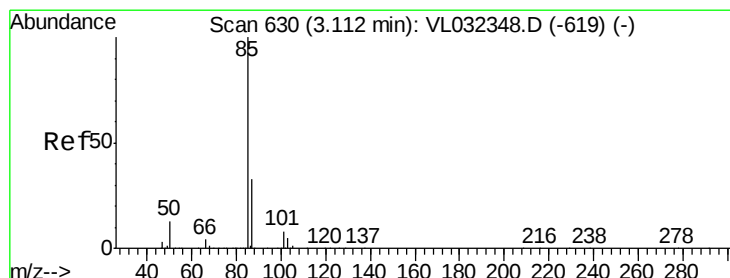
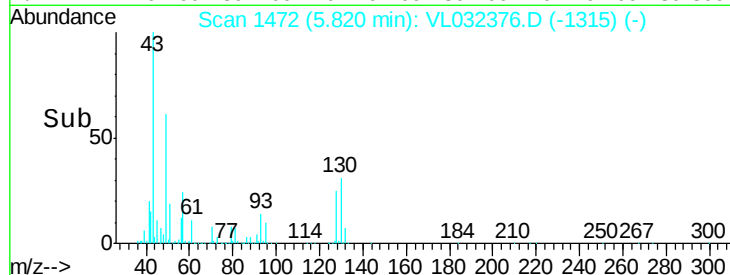
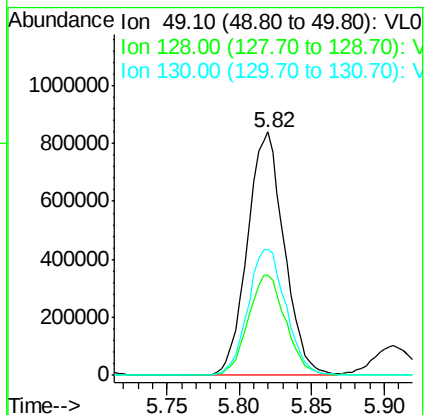
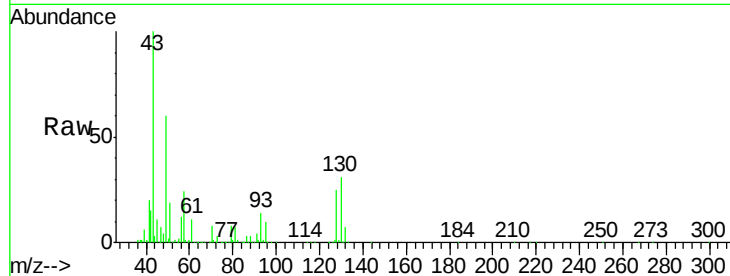
49 100

128 42.0 20.5 61.6

130 53.7 26.2 78.5

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#2

Dichlorodifluoromethane

Concen: 12.11 ppbv

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL032376.D

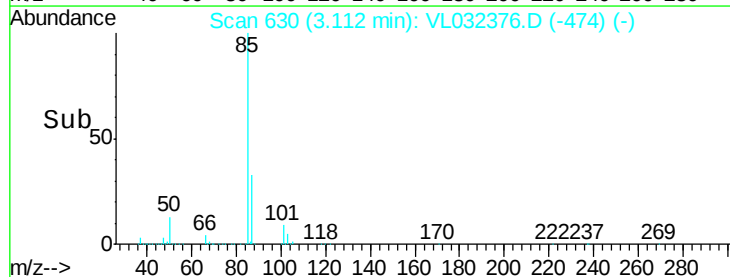
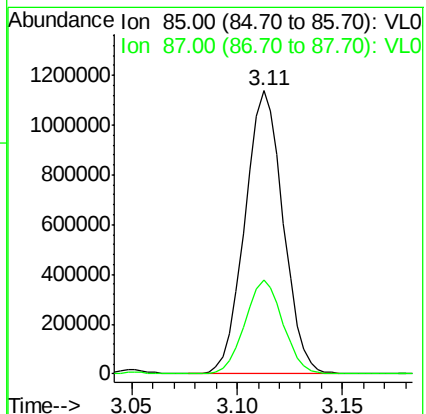
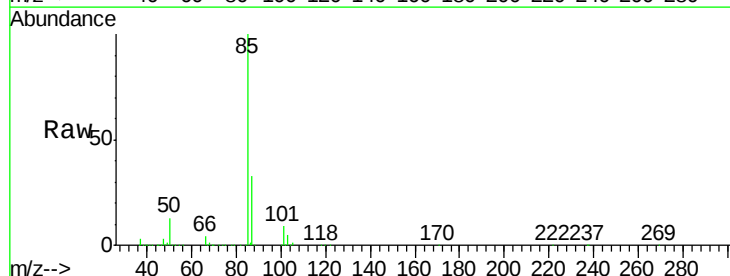
Acq: 16 Aug 2018 8:36

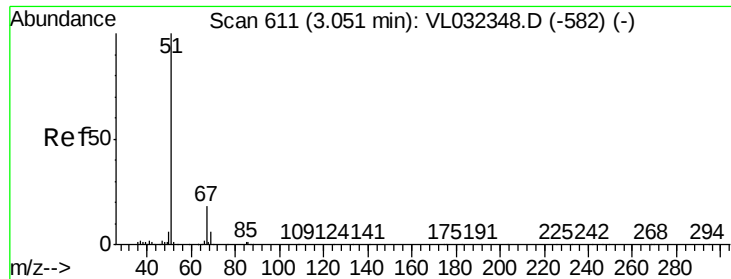
Tgt Ion: 85 Resp: 1432735

Ion Ratio Lower Upper

85 100

87 33.3 26.3 39.5





#3

Chlorodifluoromethane

Concen: 9.37 ppbv

RT: 3.05 min Scan# 610

Delta R.T. -0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Tot Ion: 51 Resp: 1289353

Ion Ratio Lower Upper

51 100

67 17.8 13.7 20.5

Instrument :

MSVOA_L

ClientSampleId :

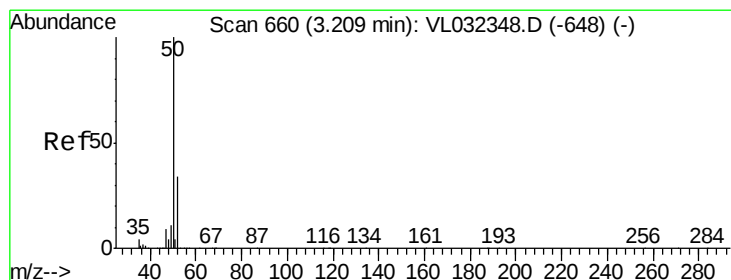
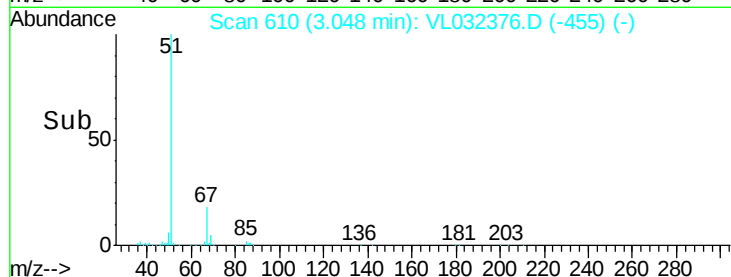
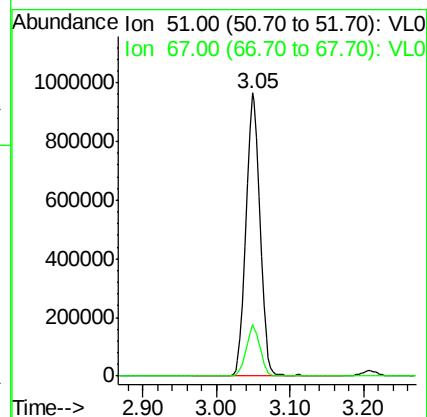
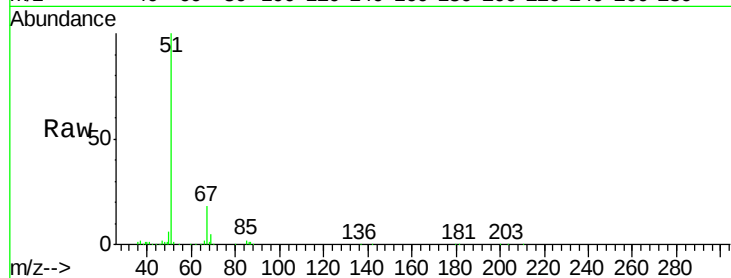
VSTDCCC010EC

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#4

Chloromethane

Concen: 9.31 ppbv

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VL032376.D

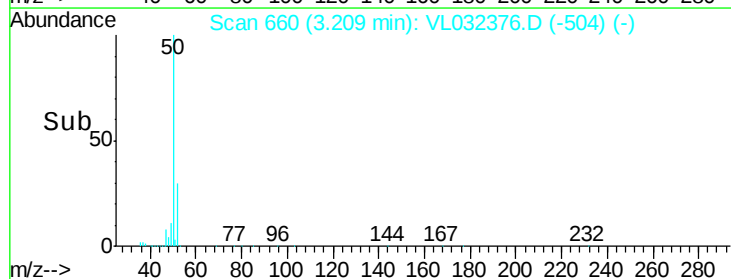
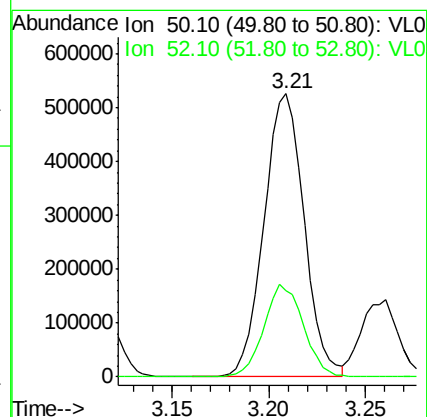
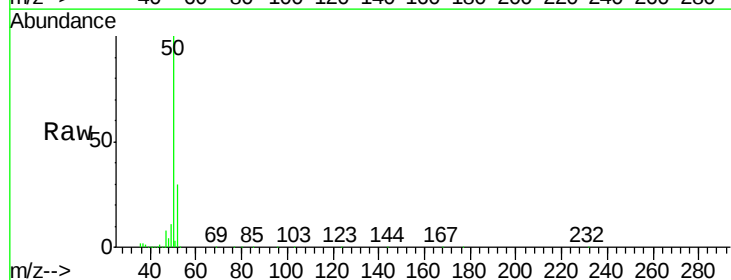
Acq: 16 Aug 2018 8:36

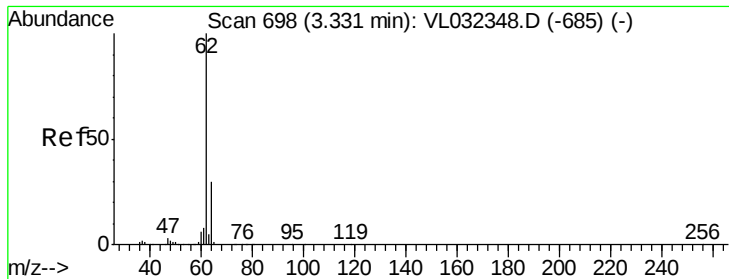
Tgt Ion: 50 Resp: 761702

Ion Ratio Lower Upper

50 100

52 30.3 26.8 40.2





#5

Vinyl Chloride

Concen: 9.48 ppbv

RT: 3.33 min Scan# 698

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 739996

Ion Ratio Lower Upper

62 100

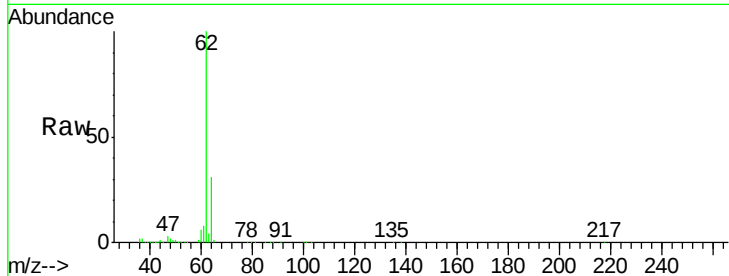
64 30.8 24.2 36.2

Manual Integrations

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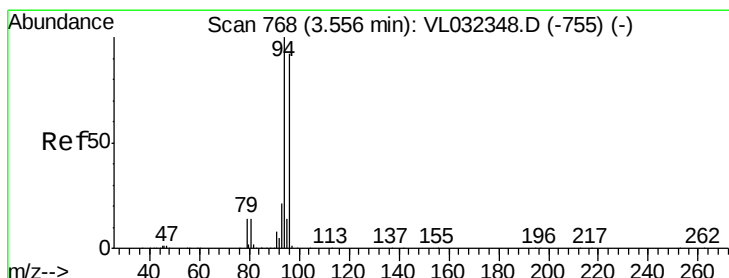
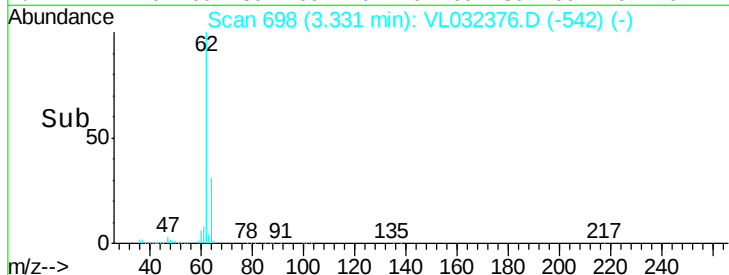
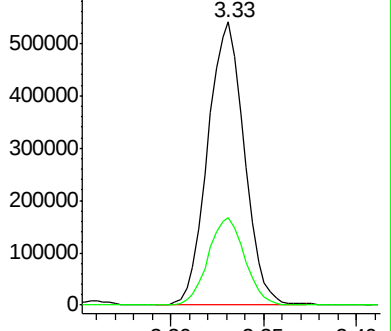
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.74 ppbv

RT: 3.55 min Scan# 767

Delta R.T. -0.00 min

Lab File: VL032376.D

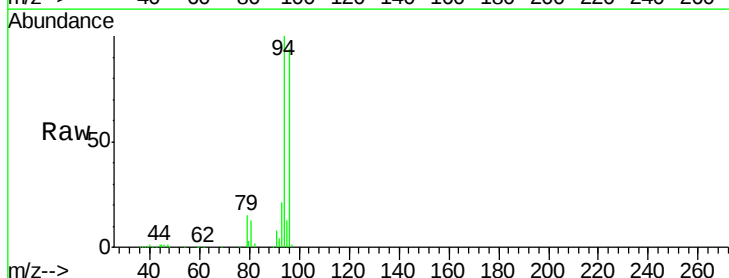
Acq: 16 Aug 2018 8:36

Tgt Ion: 94 Resp: 407294

Ion Ratio Lower Upper

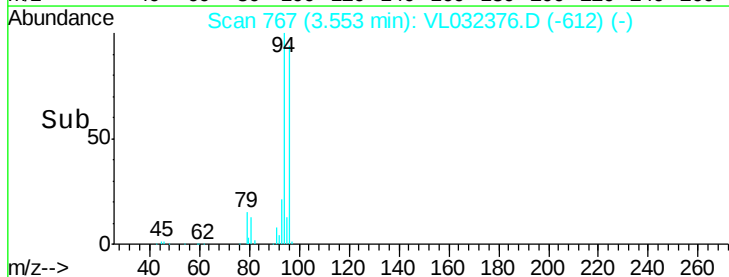
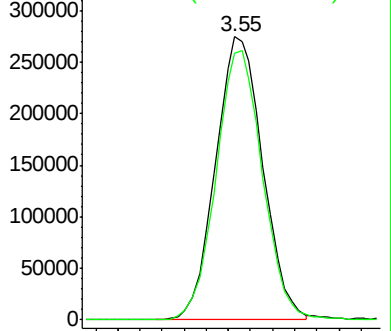
94 100

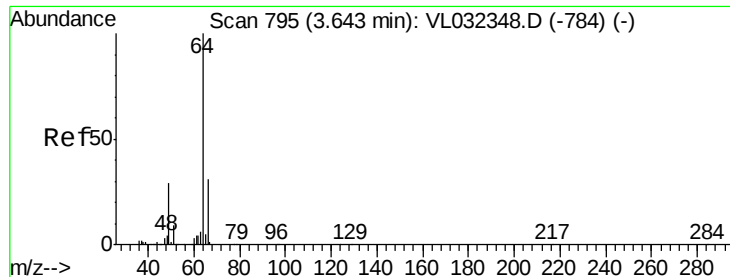
96 94.1 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.55 ppbv

RT: 3.64 min Scan# 794

Delta R.T. -0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 261205

Ion Ratio Lower Upper

64 100

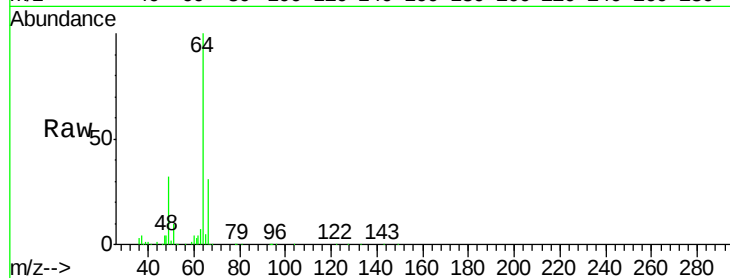
66 31.0 24.6 36.8

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.64

200000

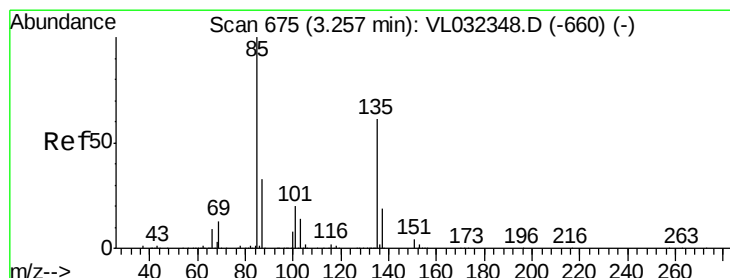
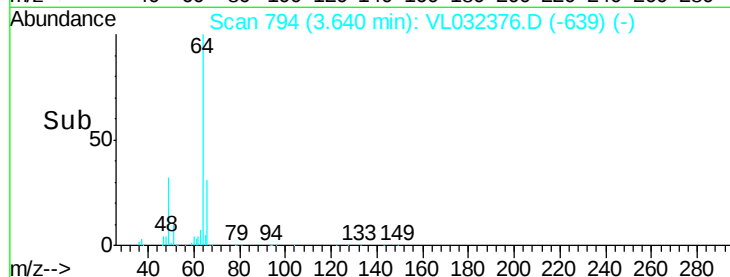
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.44 ppbv

RT: 3.26 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL032376.D

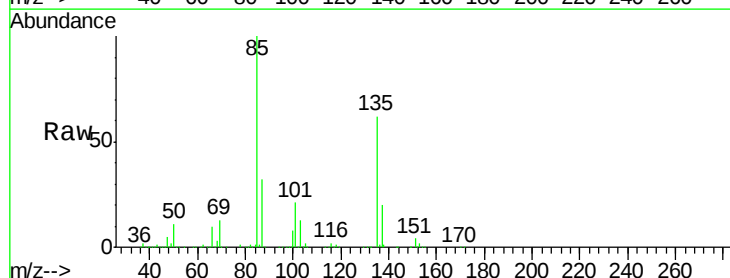
Acq: 16 Aug 2018 8:36

Tgt Ion: 85 Resp: 1583465

Ion Ratio Lower Upper

85 100

135 62.1 49.0 73.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

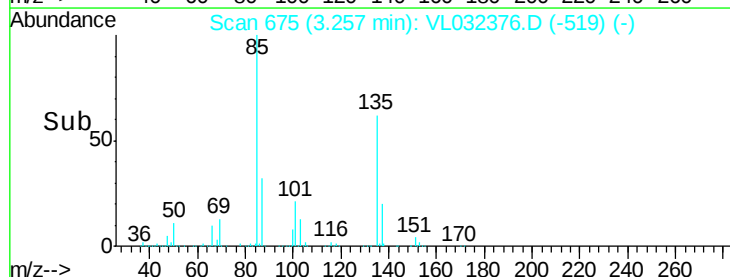
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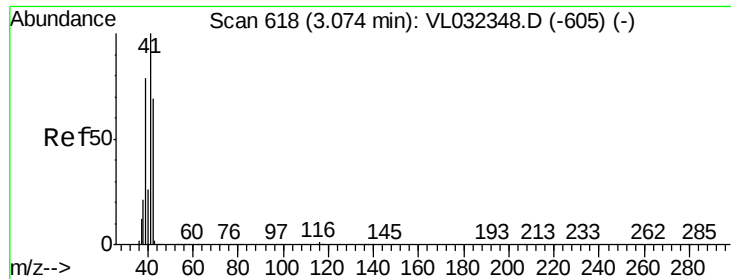
1000000

500000

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Time-->





#9

Propene

Concen: 10.50 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 617729

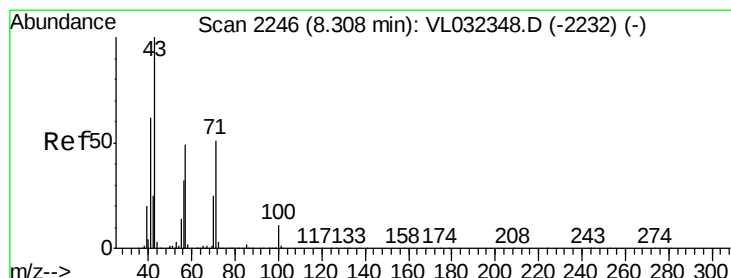
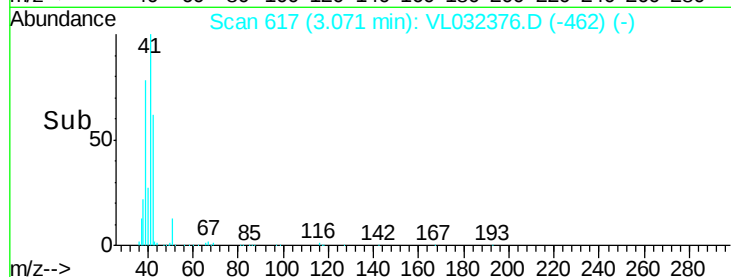
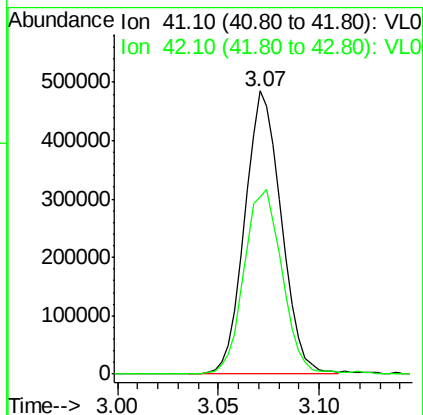
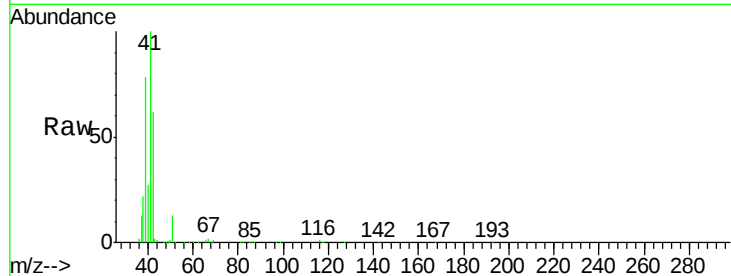
Ion Ratio Lower Upper

41 100

42 68.8 55.9 83.9

Manual Integrations
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#10

Heptane

Concen: 11.89 ppbv

RT: 8.31 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VL032376.D

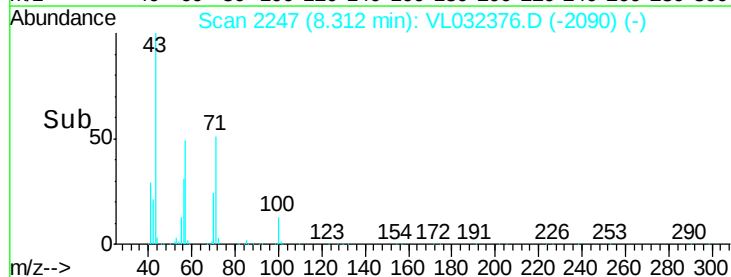
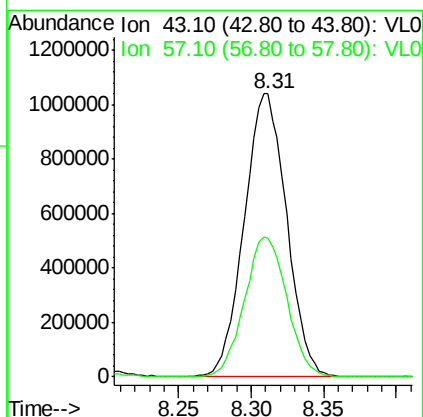
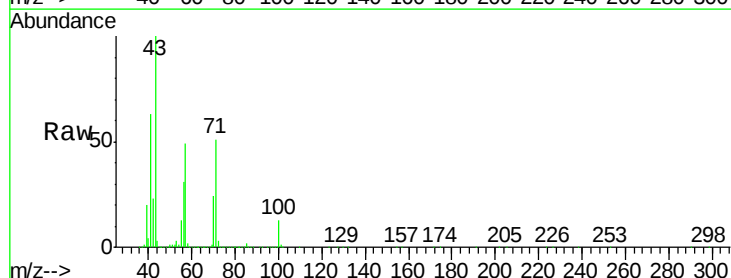
Acq: 16 Aug 2018 8:36

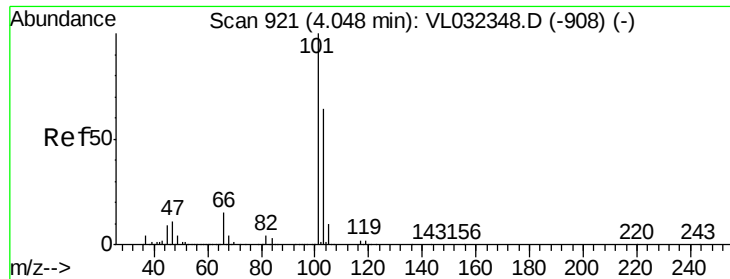
Tgt Ion: 43 Resp: 2107281

Ion Ratio Lower Upper

43 100

57 49.6 39.5 59.3





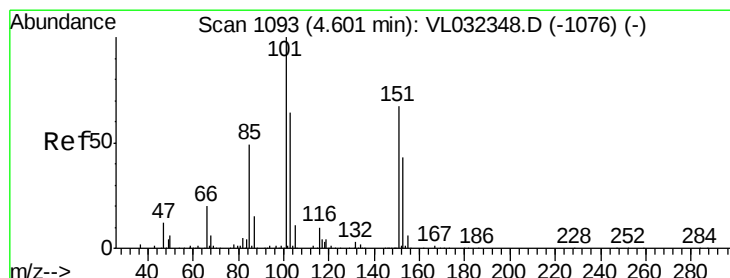
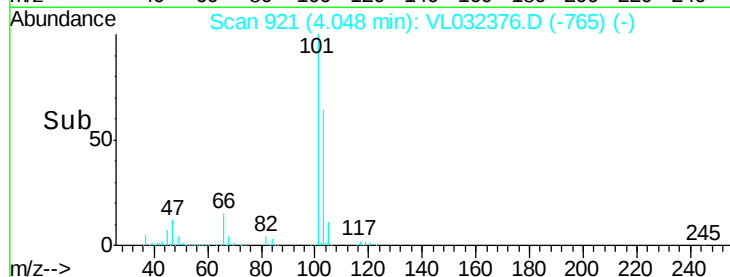
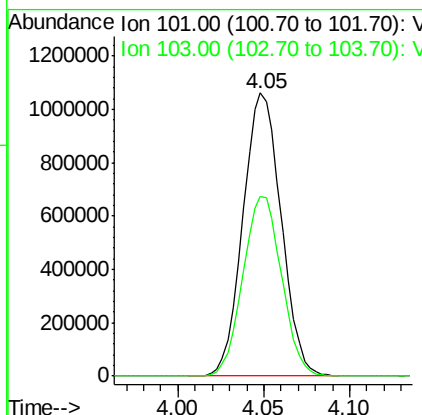
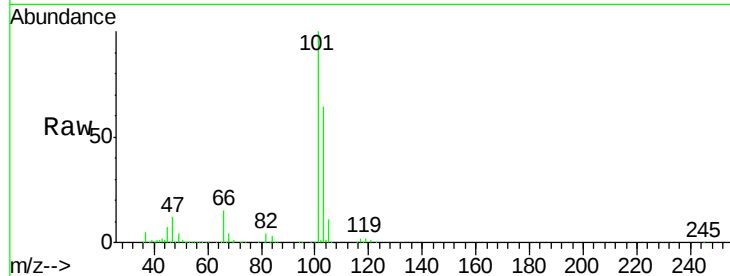
#11
 Trichlorofluoromethane
 Concen: 9.86 ppbv
 RT: 4.05 min Scan# 921
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1638022
 Ion Ratio Lower Upper
 101 100
 103 63.6 51.4 77.0

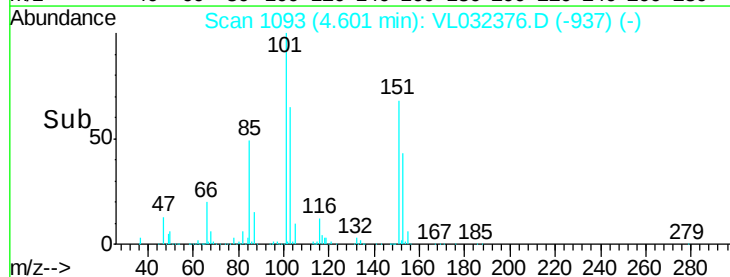
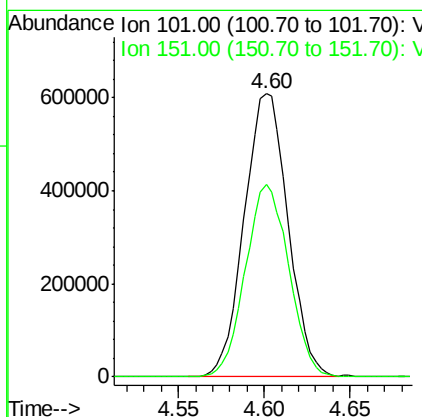
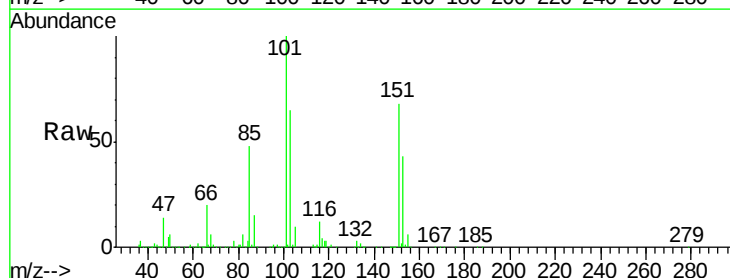
Manual Integrations
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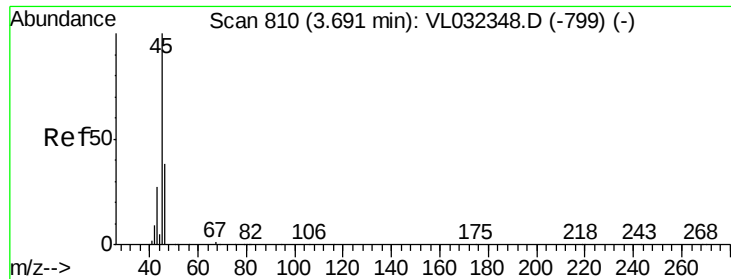
MMDadoda
 8/17/2018 2:07:00 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.62 ppbv
 RT: 4.60 min Scan# 1093
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Tgt Ion:101 Resp: 1076078
 Ion Ratio Lower Upper
 101 100
 151 67.7 53.1 79.7





#13

Ethanol

Concen: 10.92 ppbv

RT: 3.69 min Scan# 810

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 165075

Ion Ratio Lower Upper

45 100

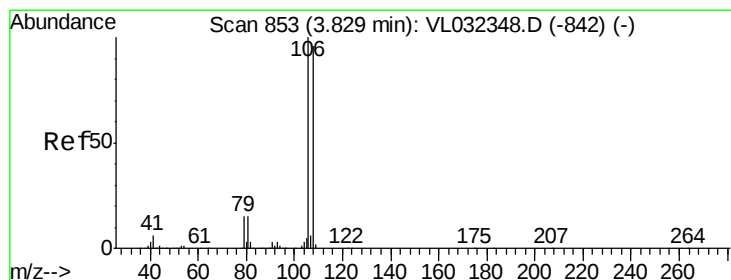
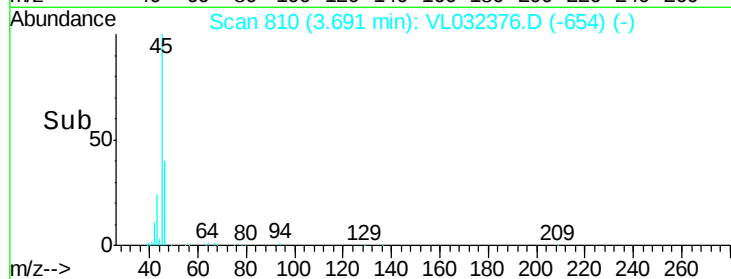
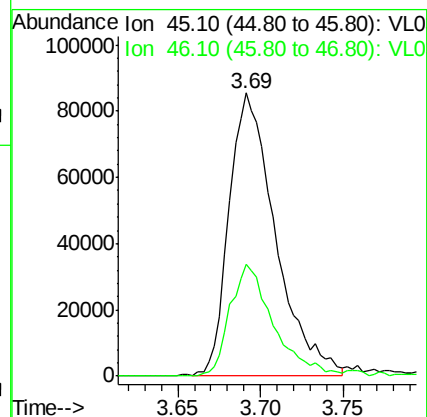
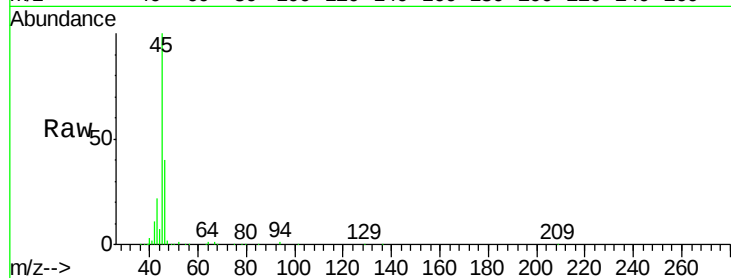
46 39.3 15.6 62.4

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#14

Bromoethene

Concen: 10.14 ppbv

RT: 3.83 min Scan# 854

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

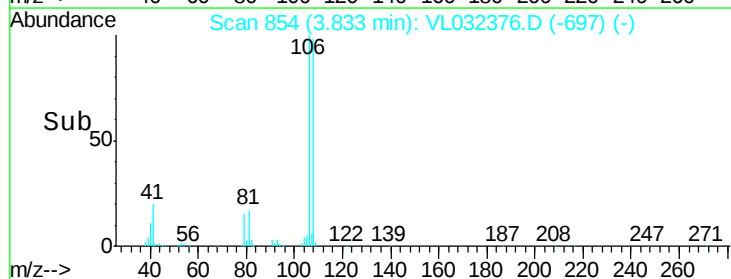
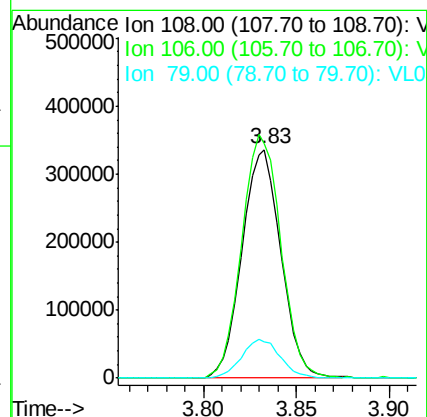
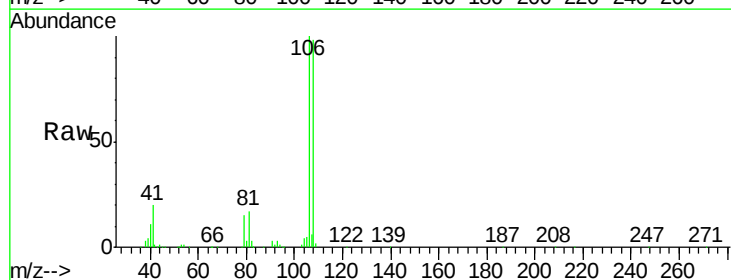
Tgt Ion: 108 Resp: 490189

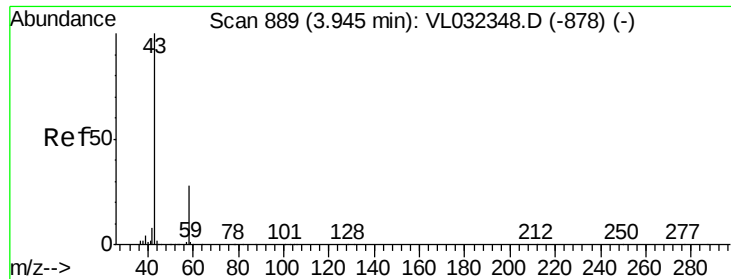
Ion Ratio Lower Upper

108 100

106 108.2 85.7 128.5

79 17.2 13.1 19.7





#15

Acetone

Concen: 8.77 ppbv

RT: 3.95 min Scan# 889

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1236441

Ion Ratio Lower Upper

43 100

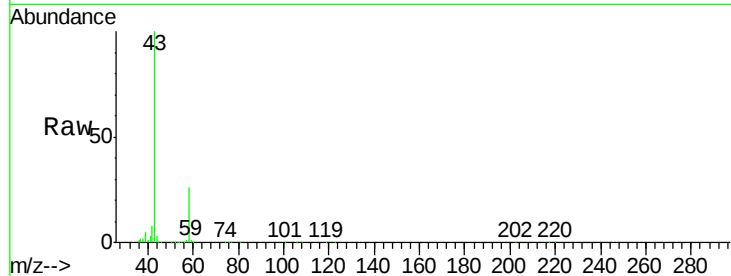
58 26.5 22.4 33.6

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.95

800000

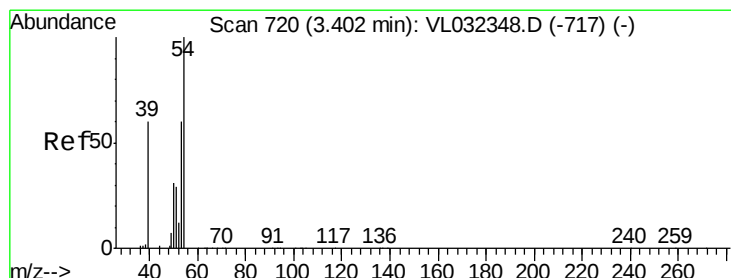
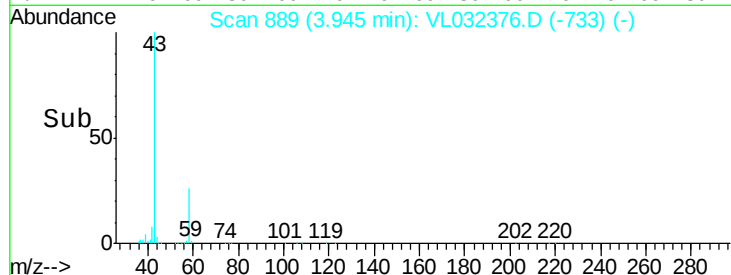
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 10.93 ppbv

RT: 3.40 min Scan# 720

Delta R.T. 0.00 min

Lab File: VL032376.D

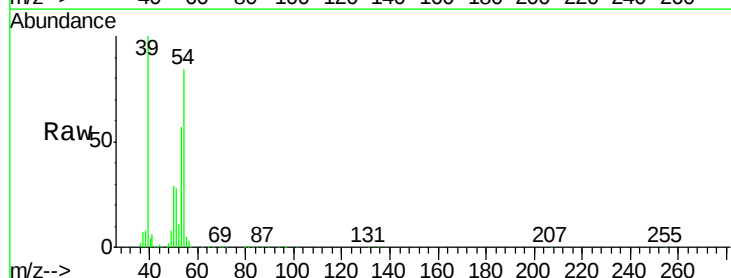
Acq: 16 Aug 2018 8:36

Tgt Ion: 39 Resp: 636668

Ion Ratio Lower Upper

39 100

54 90.6 85.5 128.3



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.40

500000

400000

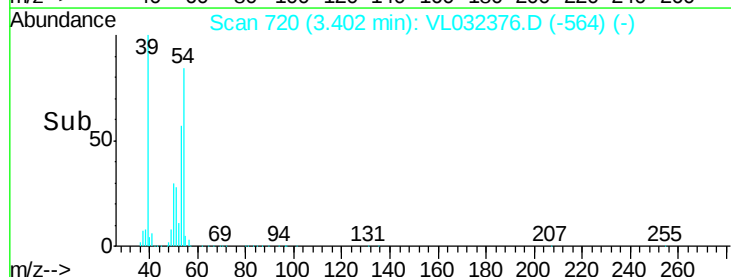
300000

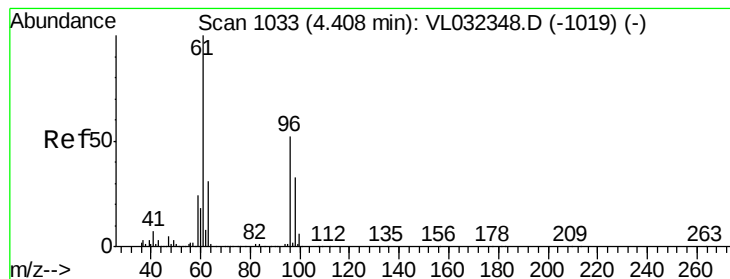
200000

100000

0

Time-->





#17

tert-Butyl alcohol

Concen: 11.48 ppbv

RT: 4.41 min Scan# 1033

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 59 Resp: 271655

Ion Ratio Lower Upper

59 100

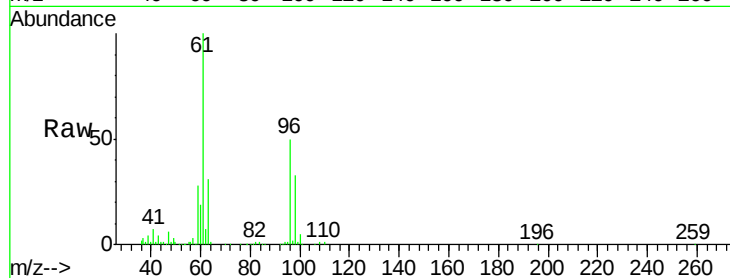
57 8.9 7.6 11.4

Manual Integrations

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

150000

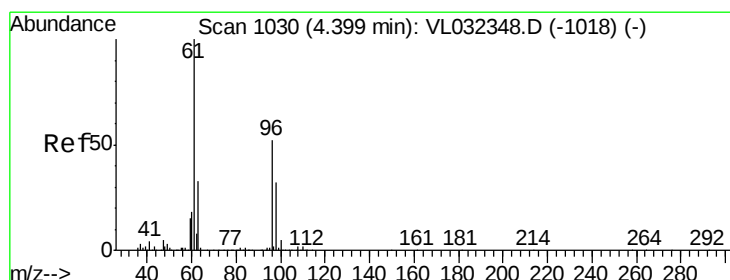
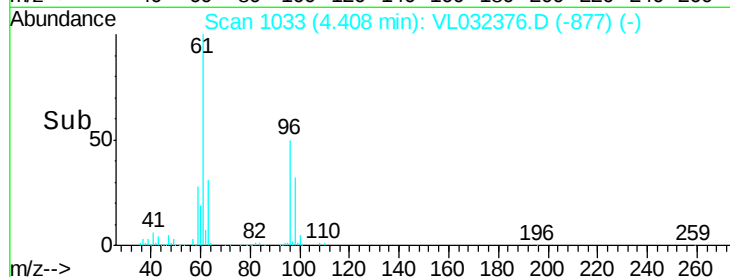
100000

50000

0

4.35 4.40 4.45

Time-->



#18

1,1-Dichloroethene

Concen: 10.16 ppbv

RT: 4.40 min Scan# 1030

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

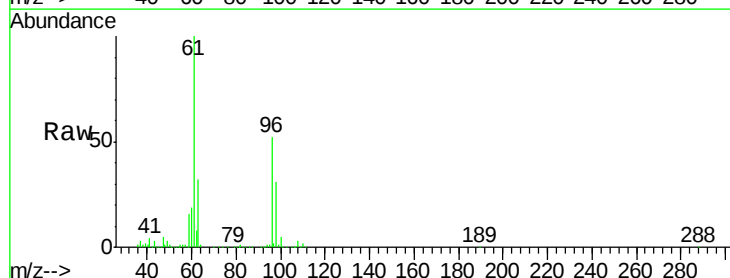
Tgt Ion: 96 Resp: 529362

Ion Ratio Lower Upper

96 100

61 192.7 154.6 231.8

98 59.6 50.1 75.1



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

800000

600000

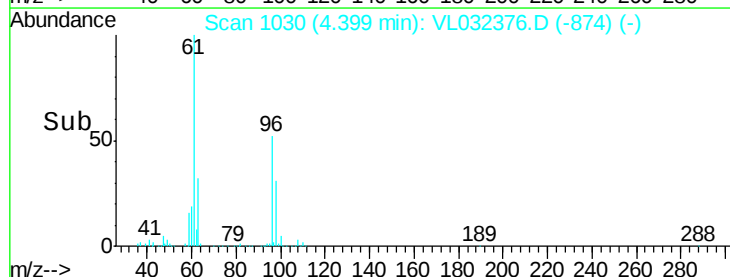
400000

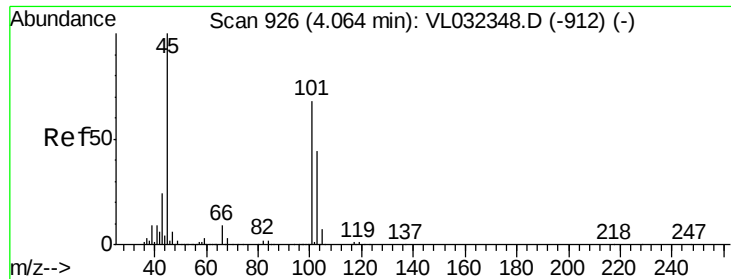
200000

0

4.35 4.40 4.45

Time-->





#19

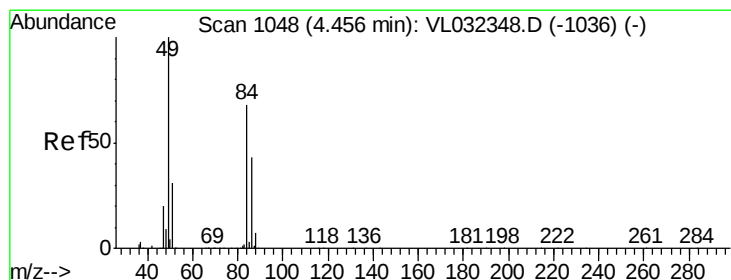
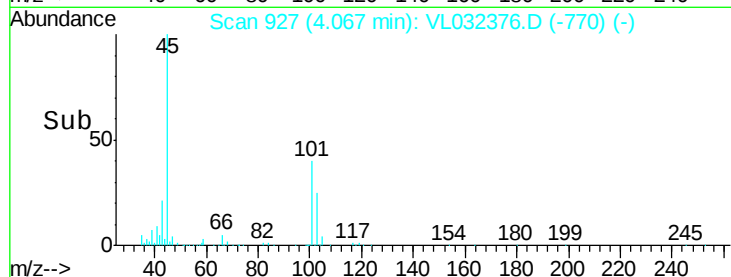
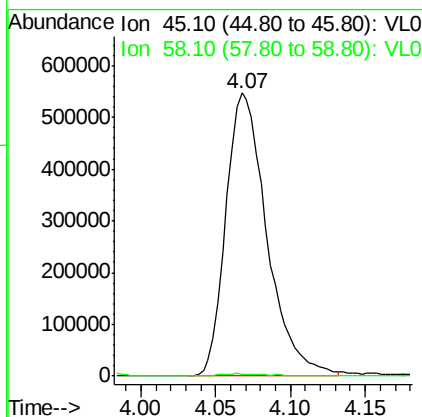
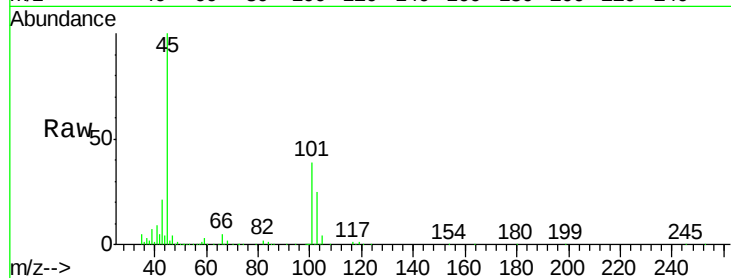
Isopropyl Alcohol
 Concen: 10.97 ppbv
 RT: 4.07 min Scan# 927
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 45 Resp: 1041800
 Ion Ratio Lower Upper
 45 100
 58 1.2 1.4 2.0#

Manual Integrations
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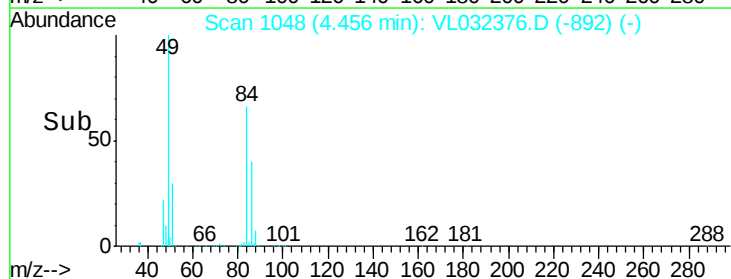
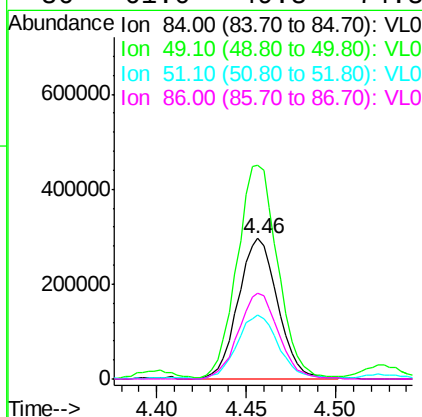
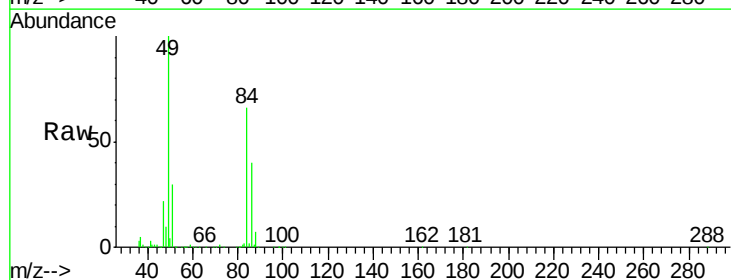
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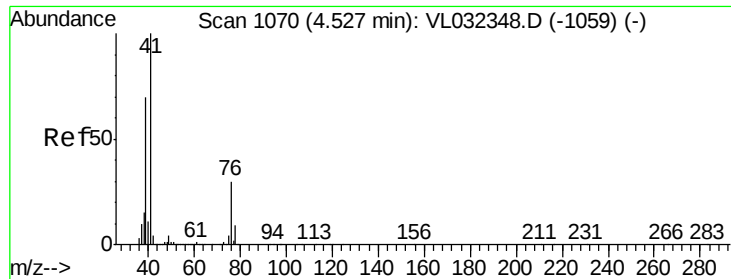


#20

Methylene Chloride
 Concen: 8.59 ppbv
 RT: 4.46 min Scan# 1048
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Tgt Ion: 84 Resp: 457409
 Ion Ratio Lower Upper
 84 100
 49 150.5 117.3 175.9
 51 45.1 36.6 55.0
 86 61.0 49.8 74.8





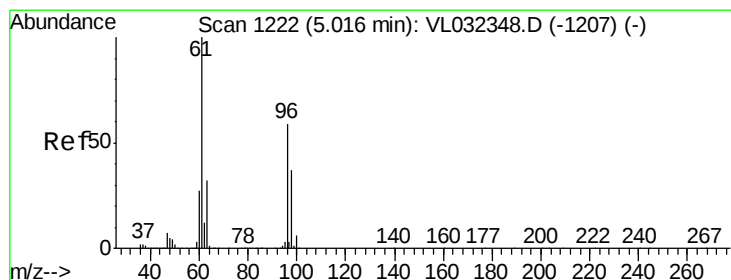
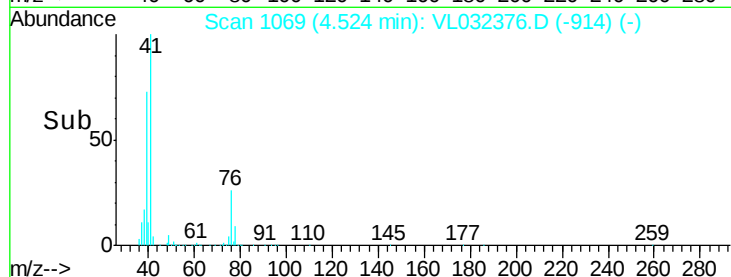
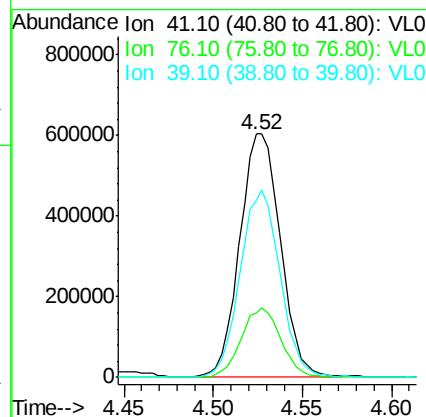
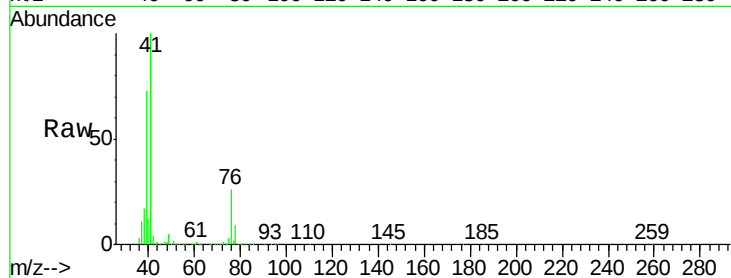
#21
Allvl Chloride
Concen: 10.75 ppbv
RT: 4.52 min Scan# 1069
Delta R.T. -0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.7	22.9	34.3
39	75.5	57.6	86.4

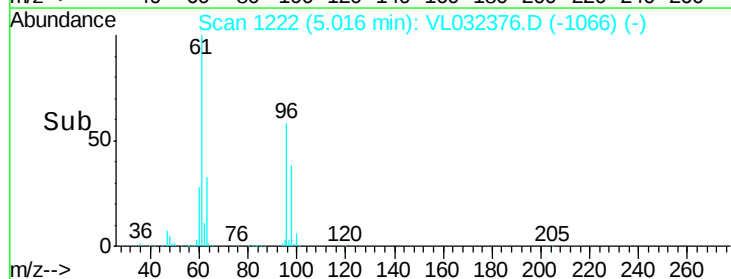
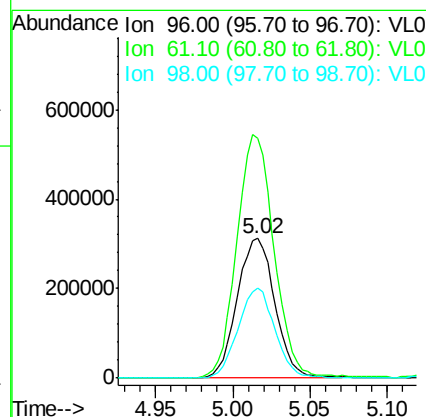
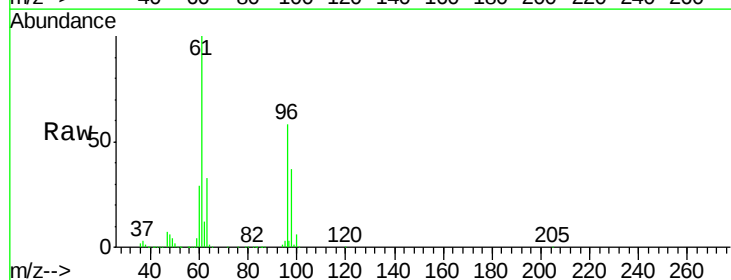
Manual Integrations
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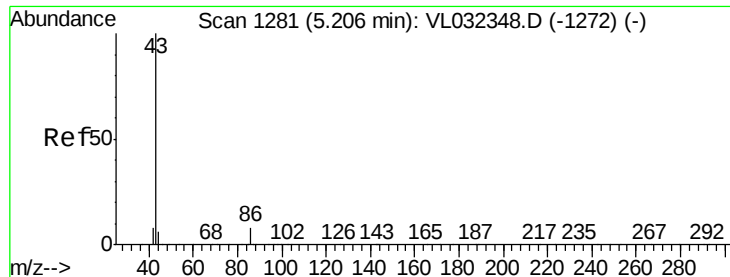
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 10.03 ppbv
RT: 5.02 min Scan# 1222
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.0	136.6	205.0
98	64.2	50.6	76.0





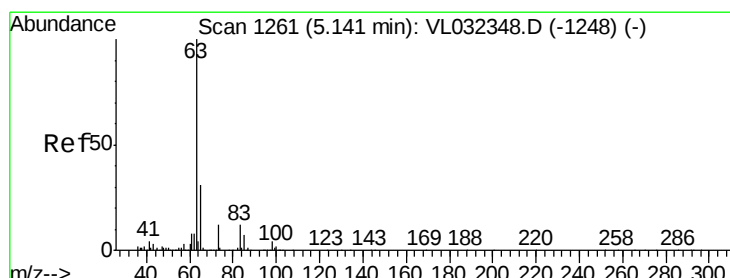
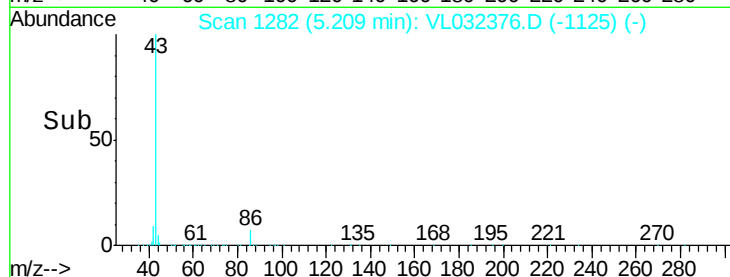
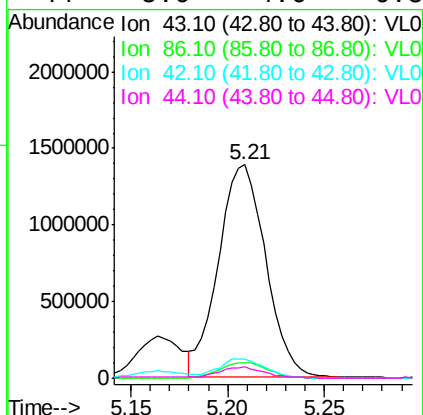
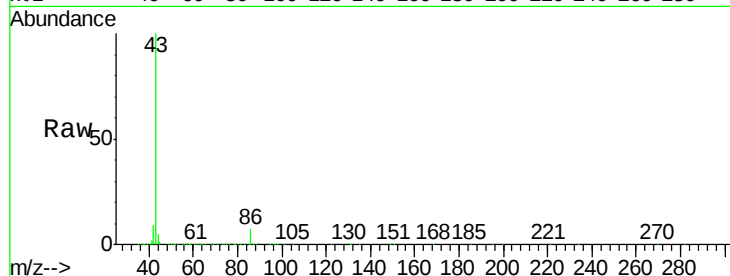
#23
 Vinyl Acetate
 Concen: 9.69 ppbv
 RT: 5.21 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.4	5.5	8.3	
42	8.7	7.0	10.6	
44	5.0	4.6	6.8	

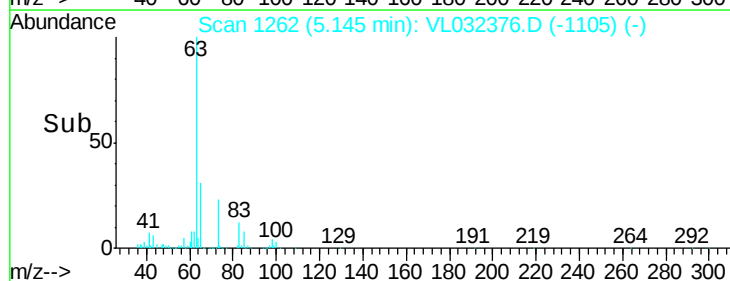
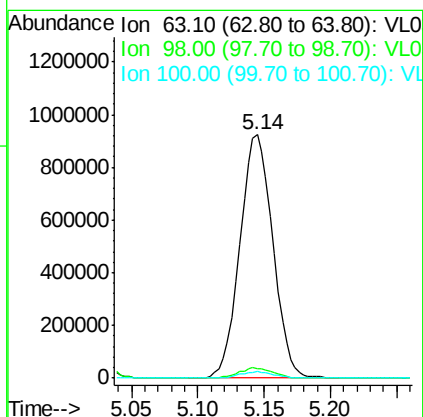
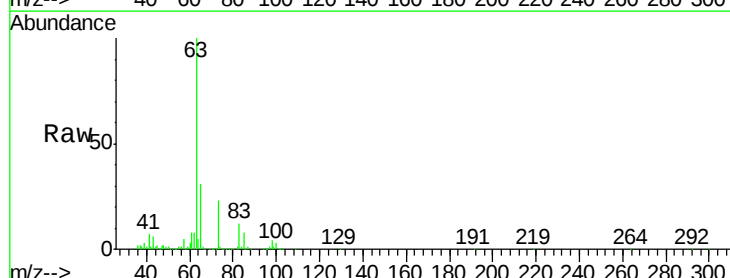
Manual Integrations
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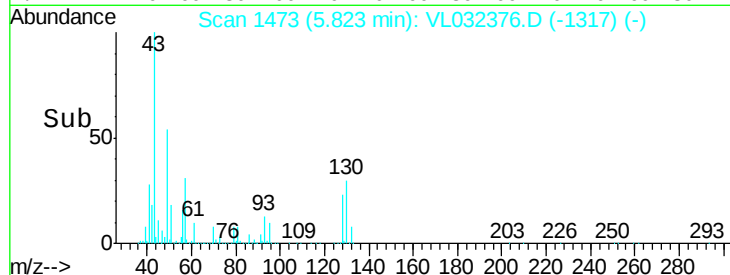
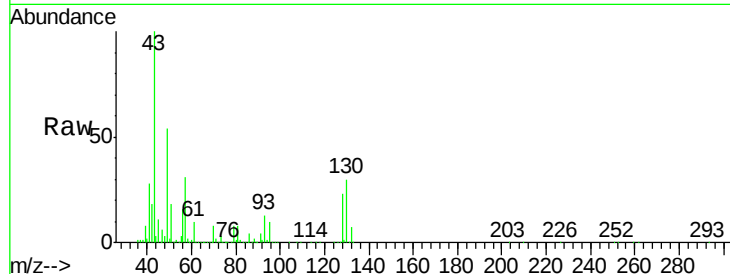
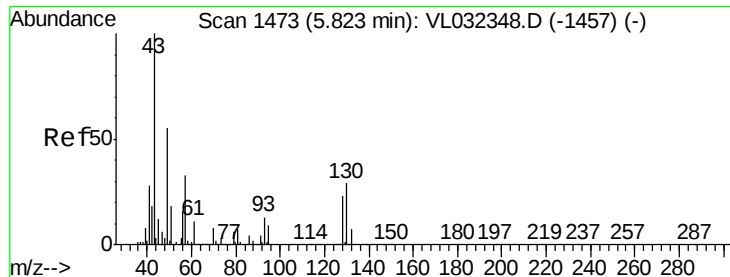
MMDadoda
 8/17/2018 2:07:00 PM



#24
 1,1-Dichloroethane
 Concen: 9.06 ppbv
 RT: 5.14 min Scan# 1262
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

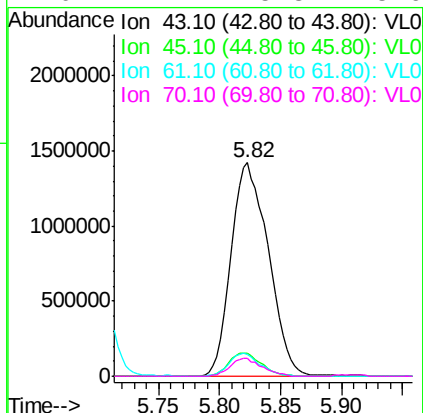
Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.0	2.1	6.3	
100	2.5	1.2	3.6	





#25
Ethyl Acetate
Concen: 9.98 ppbv
RT: 5.82 min Scan# 1473
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

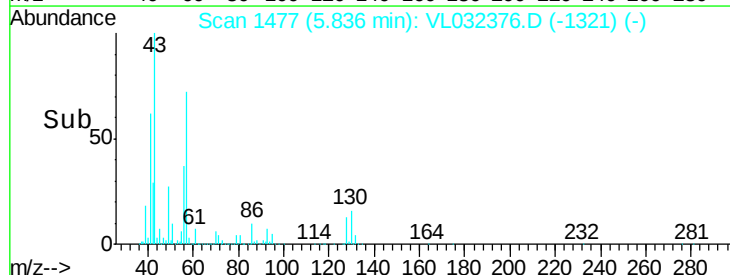
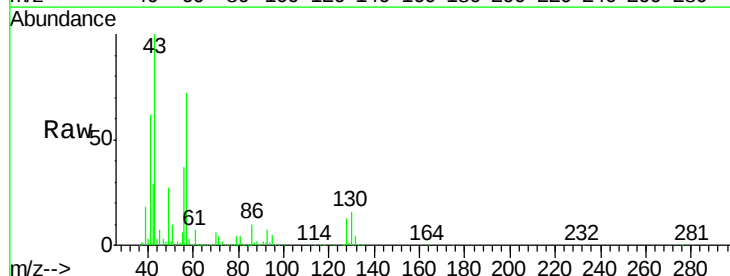
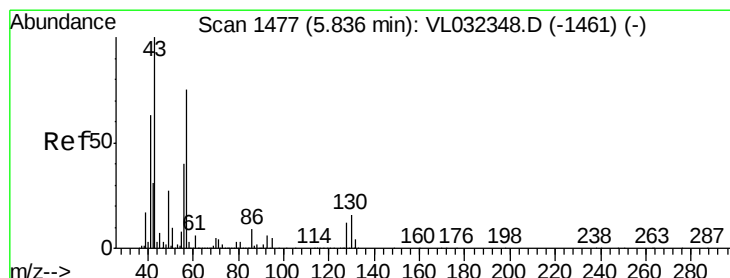
Tot Ion	Ratio	Lower	Upper
43	100		
45	9.9	7.9	11.9
61	9.3	7.4	11.2
70	7.2	5.8	8.6



Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

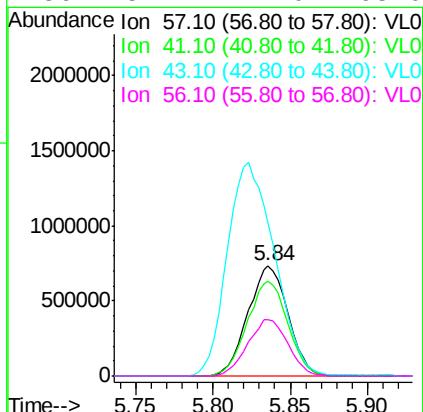
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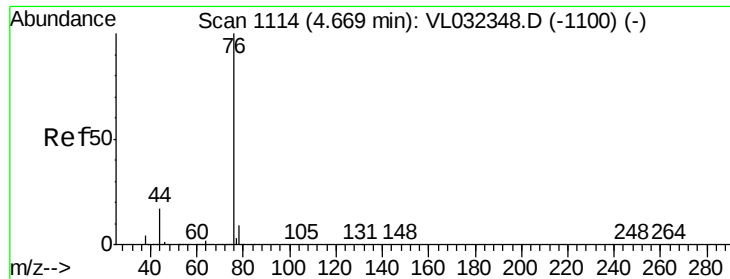
MMDadoda
8/17/2018 2:07:00 PM



#26
Hexane
Concen: 9.80 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Tgt Ion	Ratio	Lower	Upper
57	100		
41	86.8	68.0	102.0
43	228.4	175.3	262.9
56	51.7	42.0	63.0





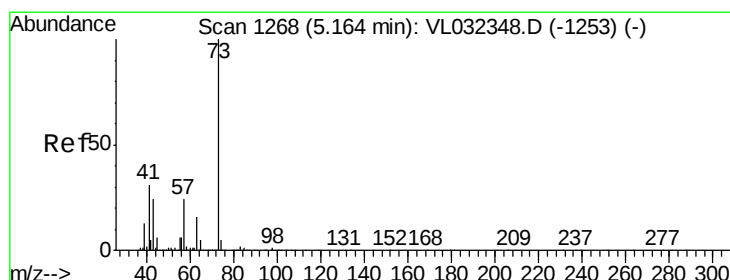
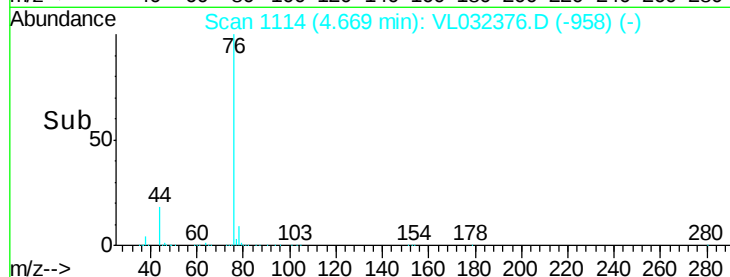
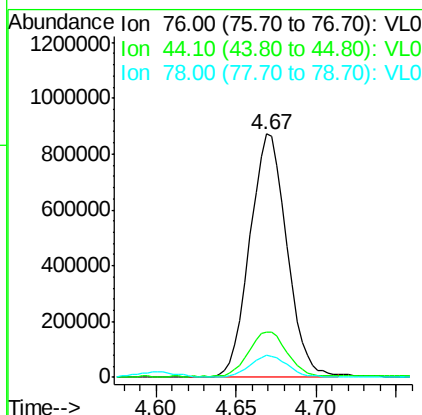
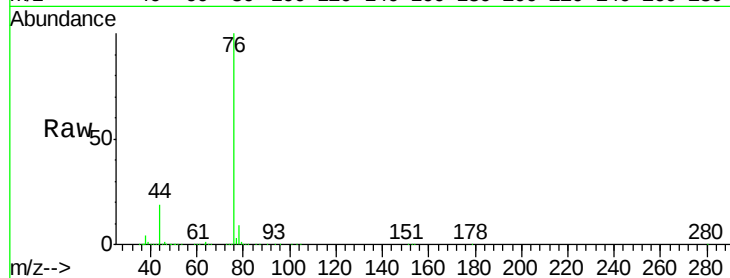
#27
Carbon Disulfide
Concen: 11.00 ppbv
RT: 4.67 min Scan# 1114
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
76	100		
44	19.2	14.4	21.6
78	9.0	7.4	11.0

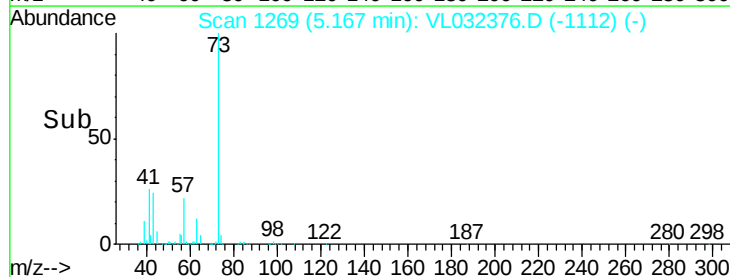
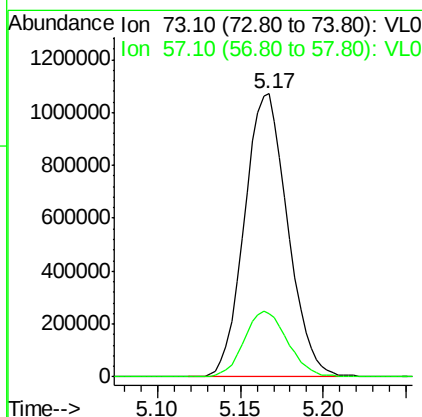
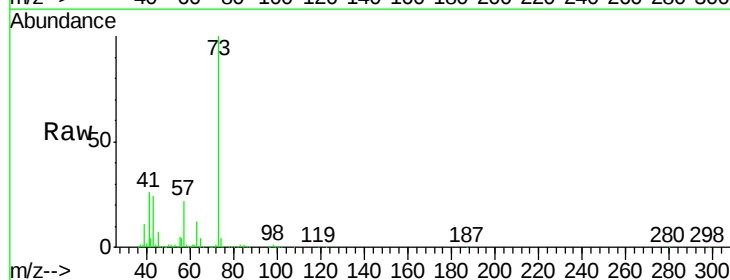
Manual Integrations
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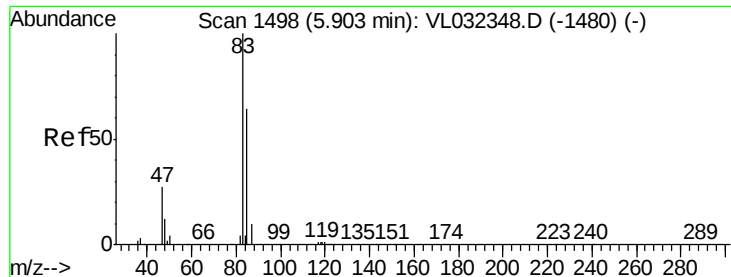
MMDadoda
8/17/2018 2:07:00 PM



#28
Methyl tert-Butyl Ether
Concen: 10.87 ppbv
RT: 5.17 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Tgt Ion	Ratio	Lower	Upper
73	100		
57	23.5	19.3	28.9





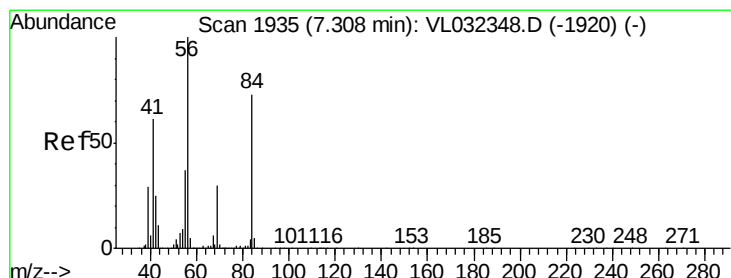
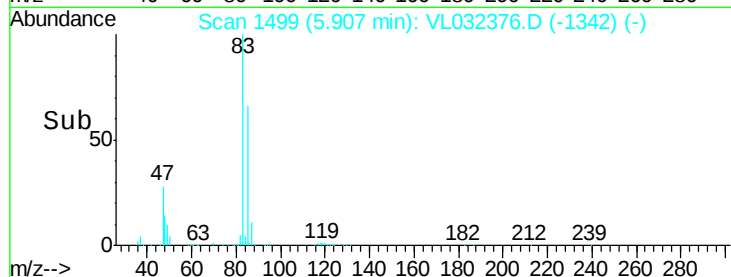
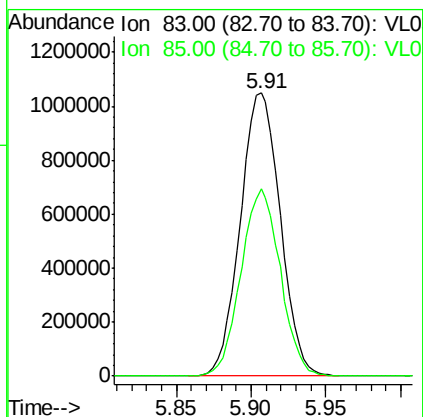
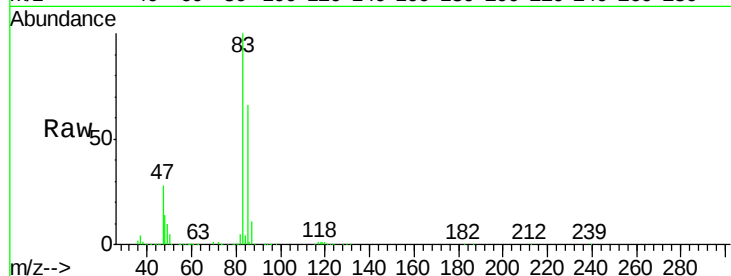
#29
Chloroform
Concen: 9.90 ppbv
RT: 5.91 min Scan# 1499
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 1955132
Ion Ratio Lower Upper
83 100
85 66.3 51.6 77.4

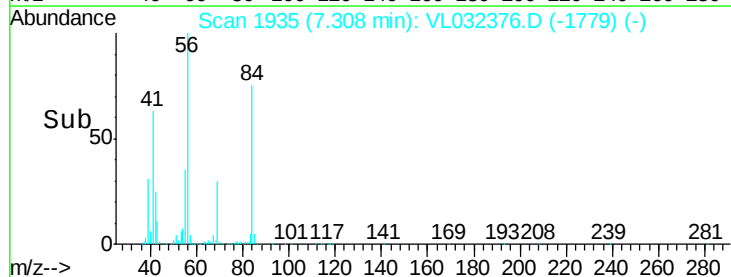
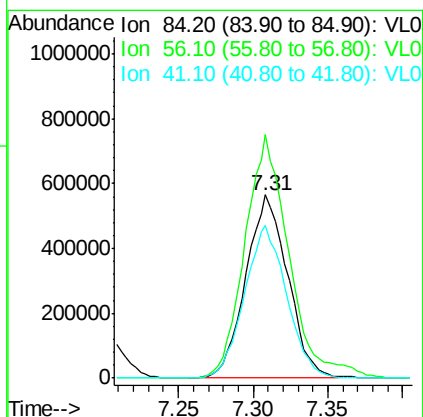
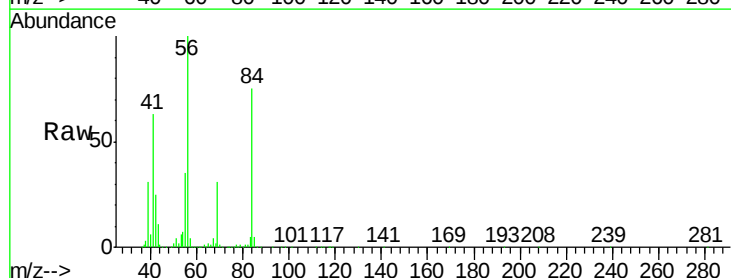
Manual Integrations
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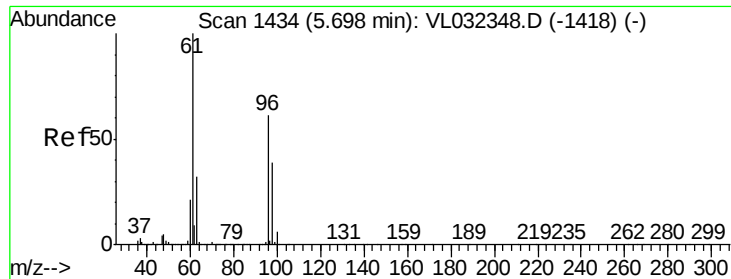
MMDadoda
8/17/2018 2:07:00 PM



#30
Cyclohexane
Concen: 10.72 ppbv
RT: 7.31 min Scan# 1935
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Tgt Ion: 84 Resp: 1100697
Ion Ratio Lower Upper
84 100
56 140.0 115.7 173.5
41 83.9 67.9 101.9





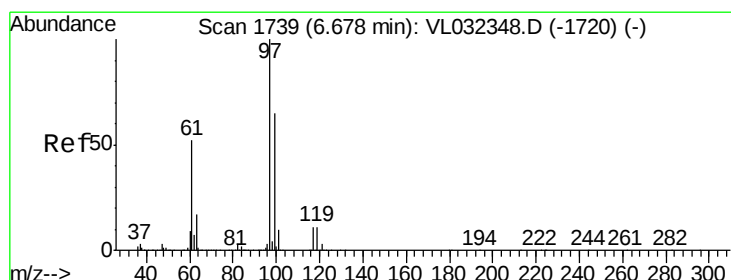
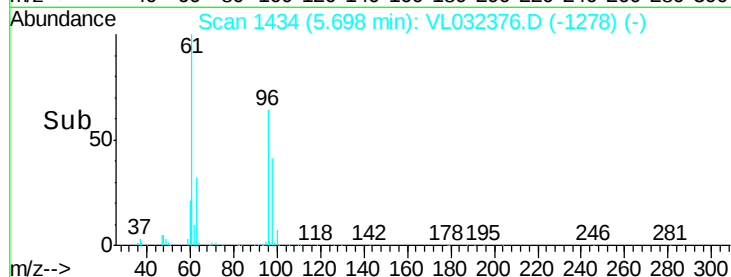
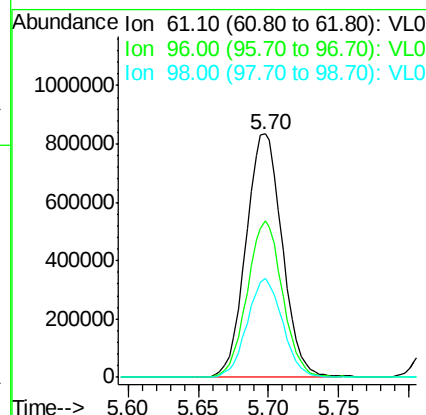
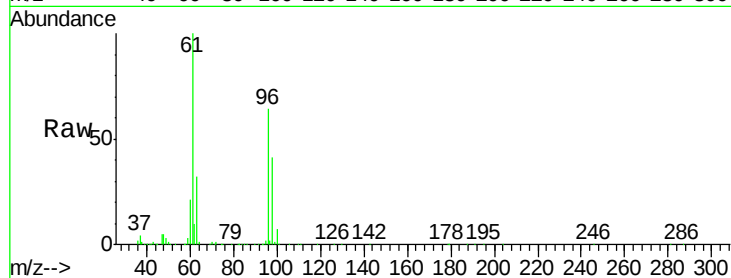
#31
 cis-1,2-Dichloroethene
 Concen: 11.40 ppbv
 RT: 5.70 min Scan# 1434
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.3	48.5	72.7
98	40.7	31.0	46.4

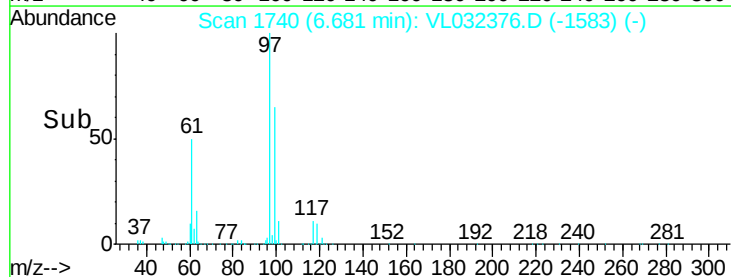
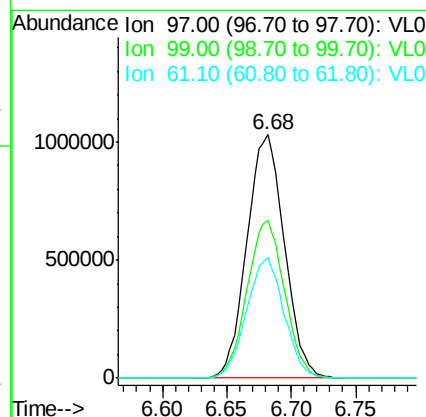
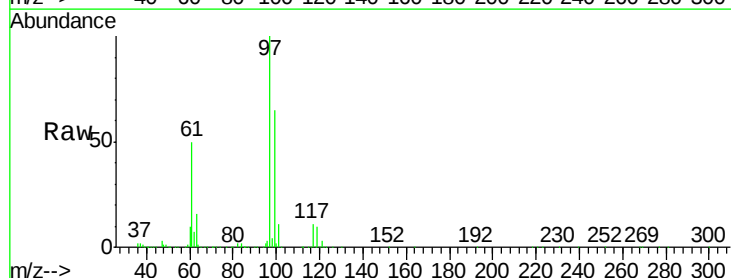
Manual Integrations
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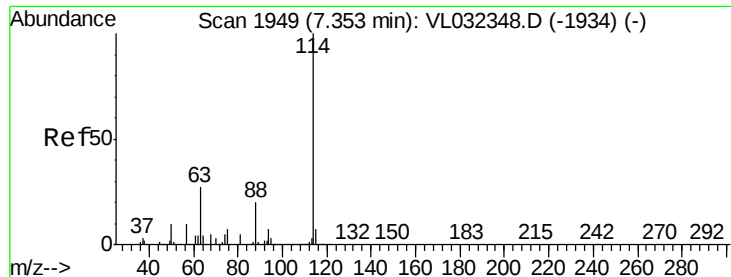
MMDadoda
 8/17/2018 2:07:00 PM



#32
 1,1,1-Trichloroethane
 Concen: 10.90 ppbv
 RT: 6.68 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	51.1	76.7
61	49.2	41.1	61.7





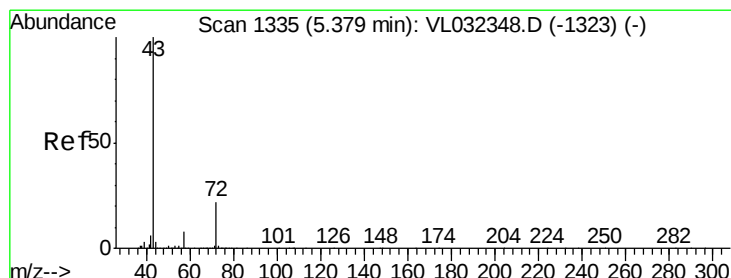
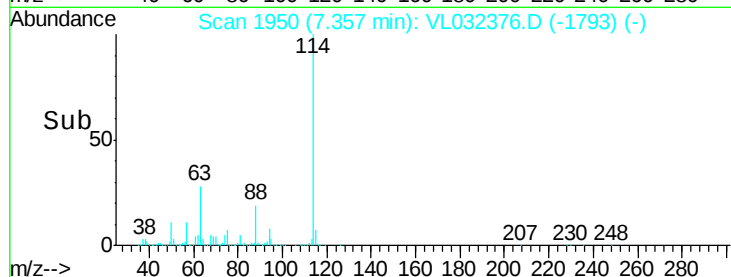
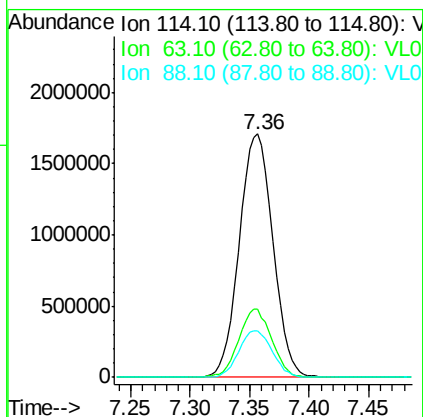
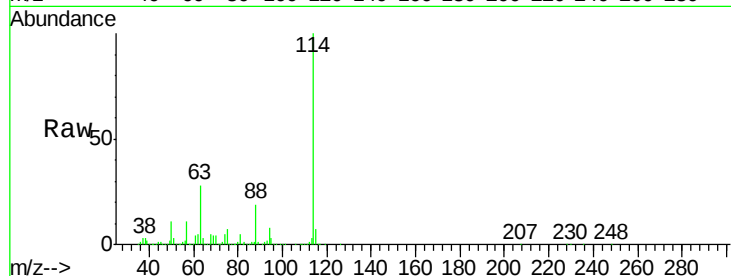
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.36 min Scan# 1950
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.6	22.0	33.0
88	19.1	15.3	22.9

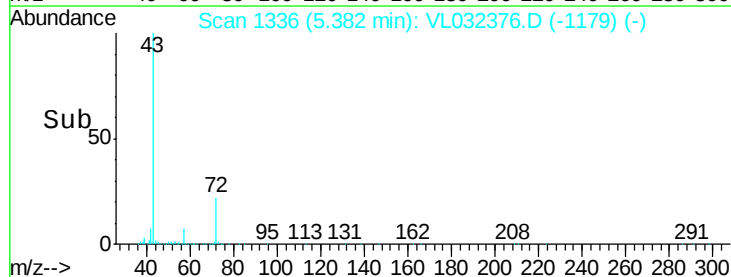
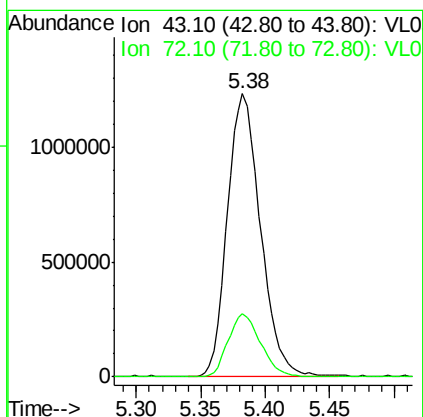
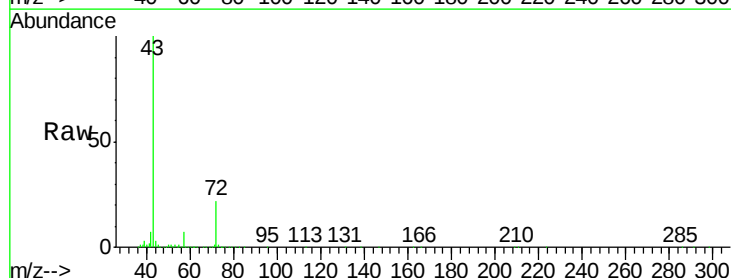
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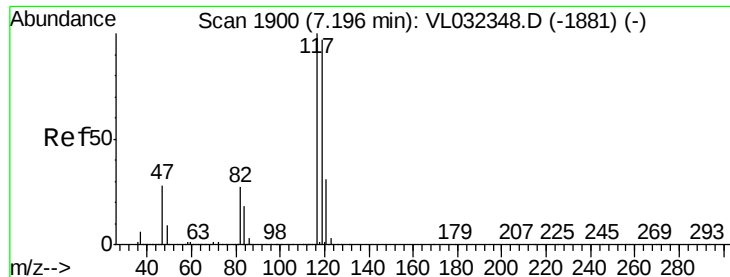
MMDadoda
 8/17/2018 2:07:00 PM



#34
 2-Butanone
 Concen: 9.62 ppbv
 RT: 5.38 min Scan# 1336
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.9	26.9





#35

Carbon Tetrachloride

Concen: 9.73 ppbv

RT: 7.20 min Scan# 1900

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

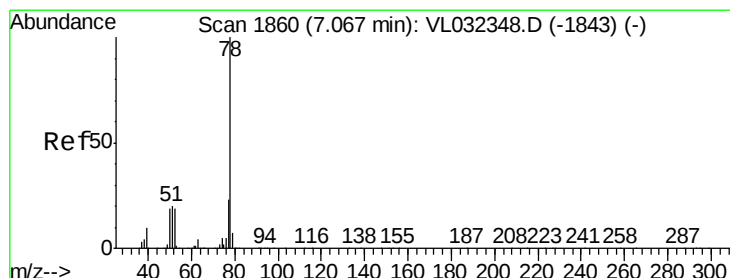
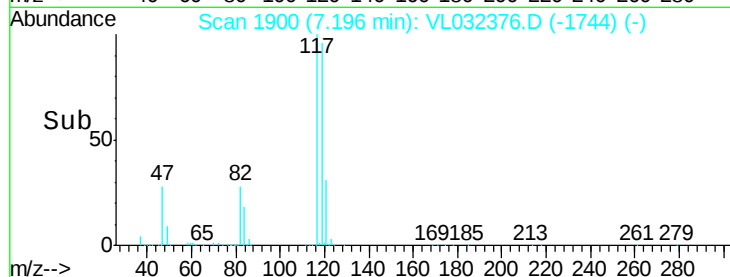
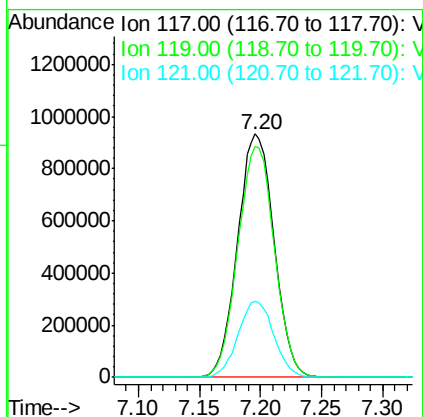
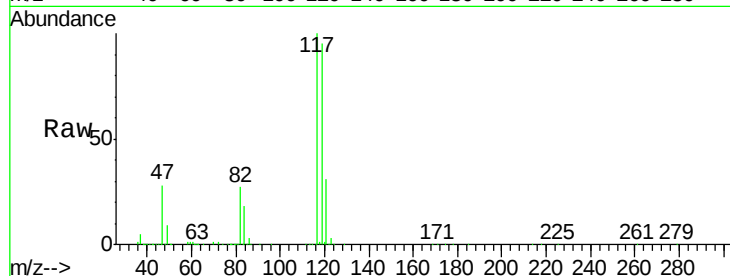
ClientSampleId :

VSTDCCC010EC

Tot Ion:	117	Resp:	1921767
Ion	Ratio	Lower	Upper
117	100		
119	94.9	77.2	115.8
121	31.0	25.1	37.7

Manual Integrations
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8/17/2018 2:07:00 PM



#36

Benzene

Concen: 9.76 ppbv

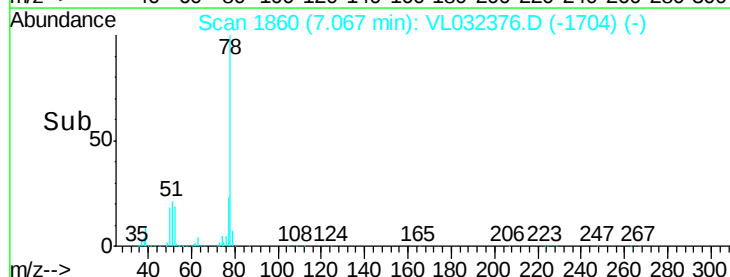
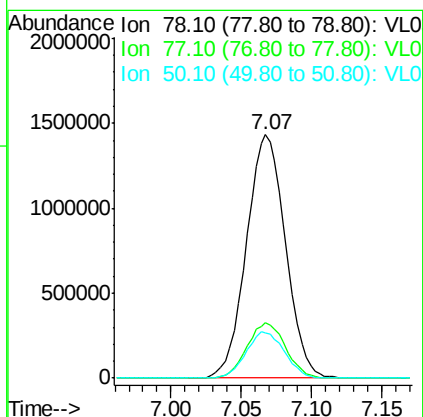
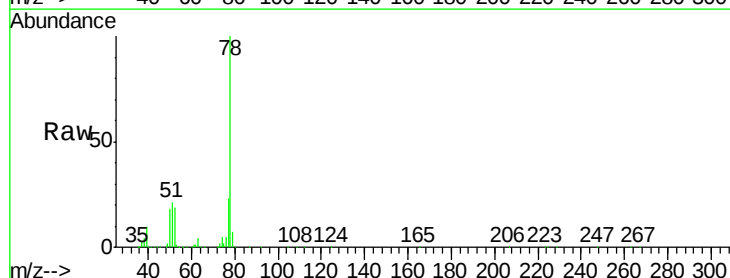
RT: 7.07 min Scan# 1860

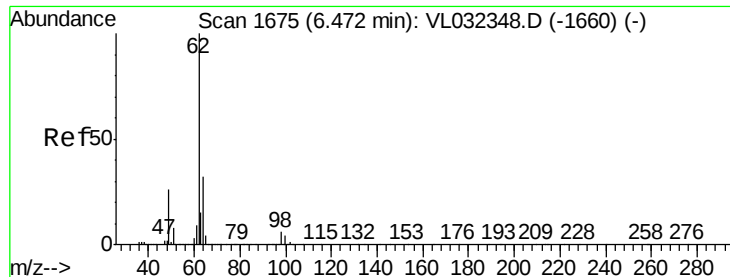
Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Tgt Ion:	78	Resp:	2771869
Ion	Ratio	Lower	Upper
78	100		
77	22.8	18.0	27.0
50	18.3	15.1	22.7





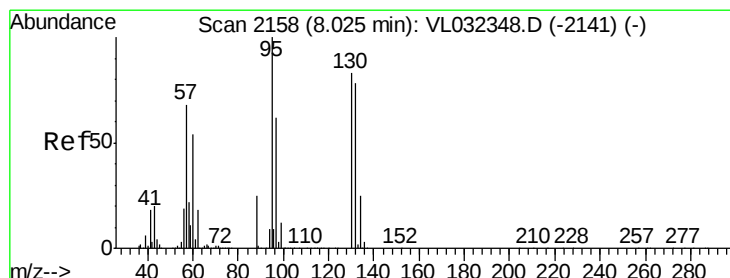
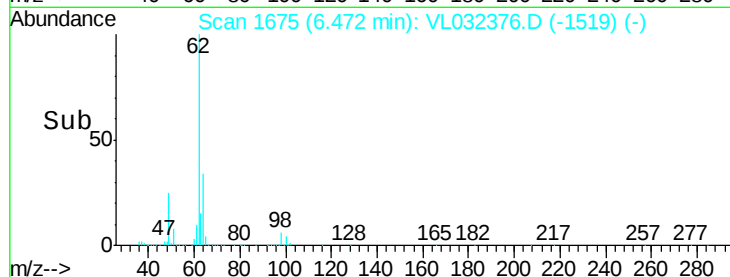
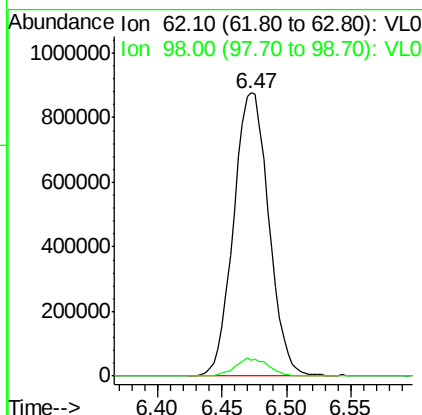
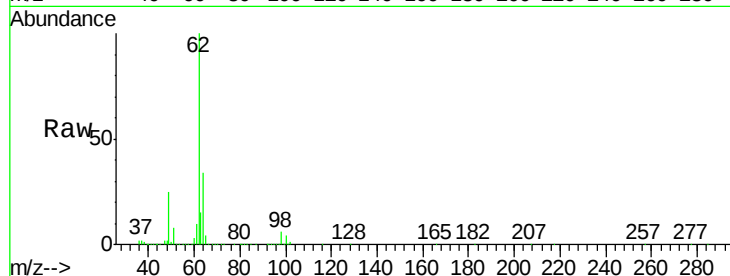
#37
 1,2-Dichloroethane
 Concen: 9.70 ppbv
 RT: 6.47 min Scan# 1675
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.1	5.0	7.6

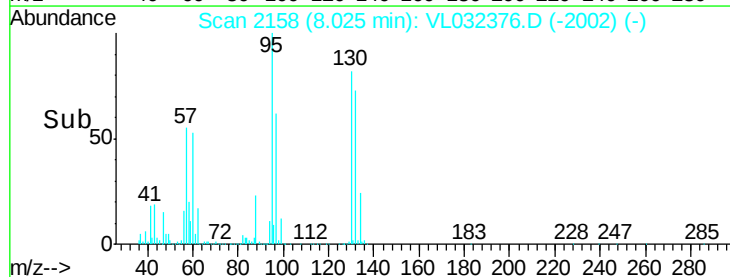
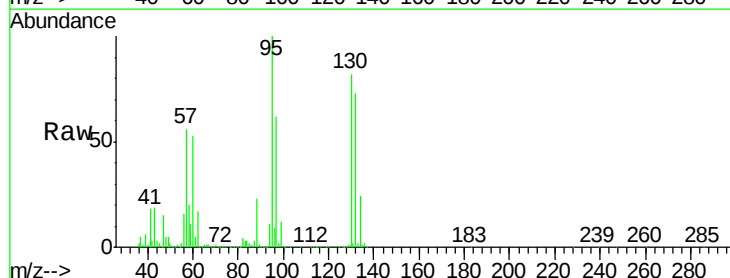
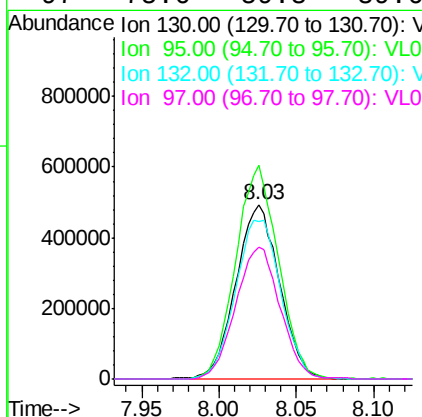
Manual Integrations
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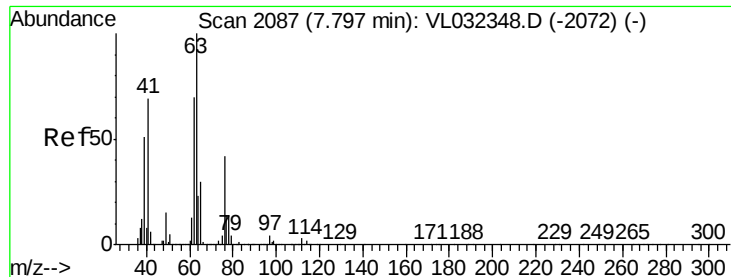
MMDadoda
 8/17/2018 2:07:00 PM



#38
 Trichloroethene
 Concen: 9.60 ppbv
 RT: 8.03 min Scan# 2158
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	122.5	96.6	144.8
132	90.0	75.5	113.3
97	75.6	59.8	89.6





#39

1,2-Dichloropropane

Concen: 9.63 ppbv

RT: 7.80 min Scan# 2088

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1141547

Ion Ratio Lower Upper

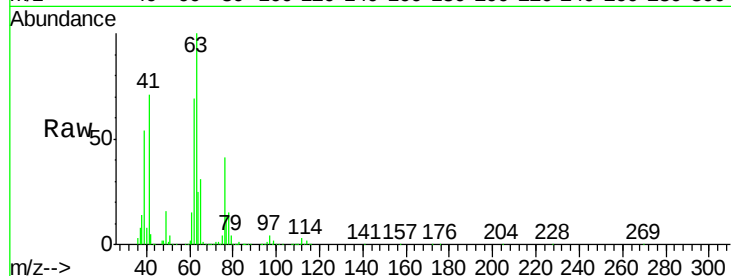
63 100

41 70.8 55.5 83.3

62 69.1 56.3 84.5

Manual Integrations
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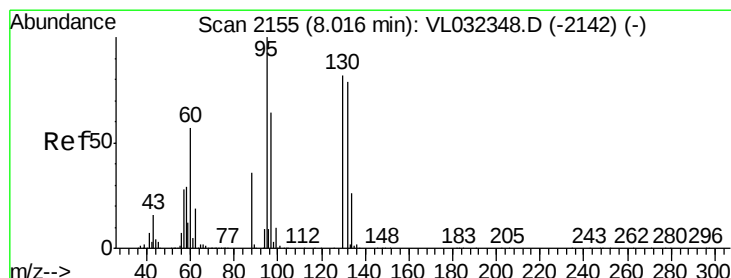
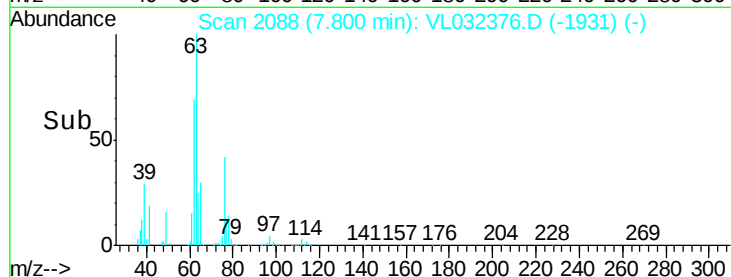
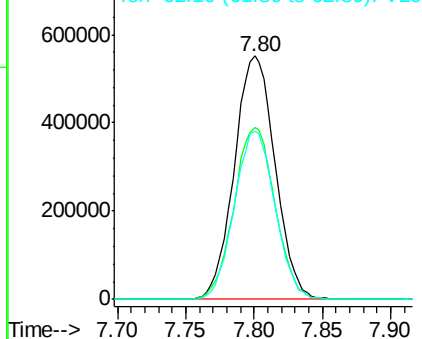
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.93 ppbv

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Tgt Ion: 88 Resp: 393571

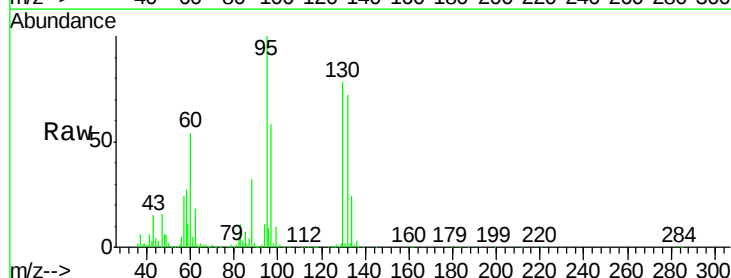
Ion Ratio Lower Upper

88 100

58 139.7 113.7 170.5

43 277.5 224.0 336.0

57 1248.6 1013.0 1519.6

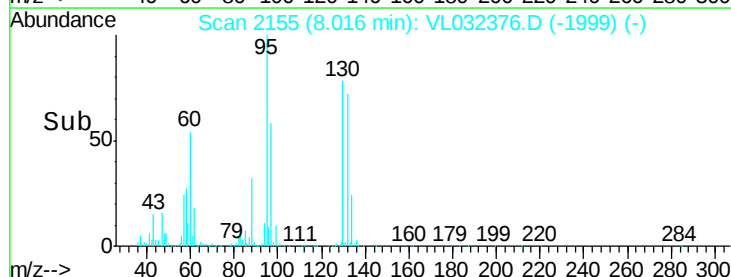
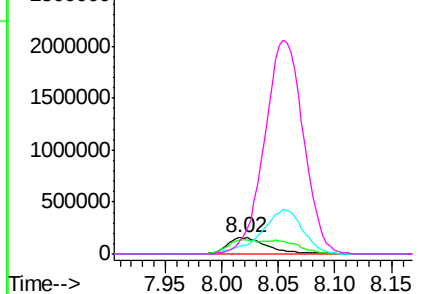


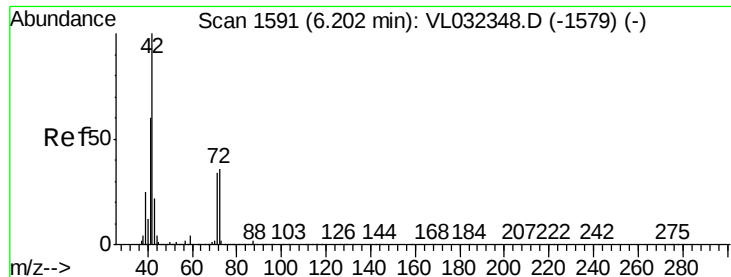
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#41

Tetrahydrofuran

Concen: 10.62 ppbv

RT: 6.21 min Scan# 1592

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 42 Resp: 1298743

Ion Ratio Lower Upper

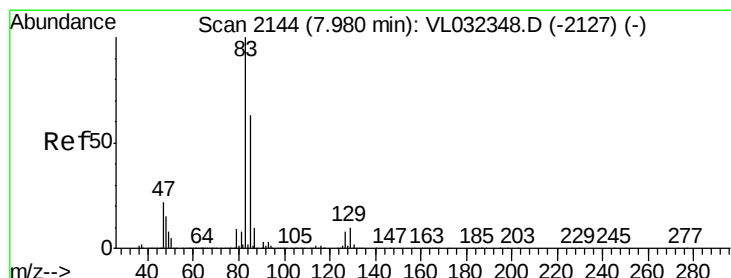
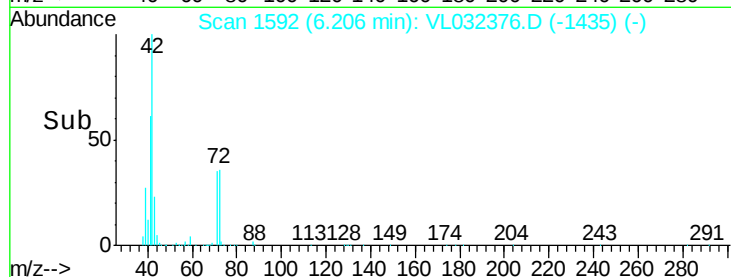
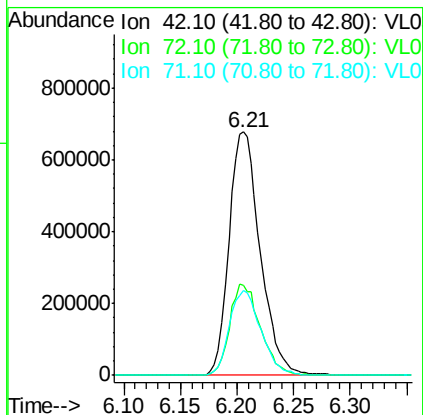
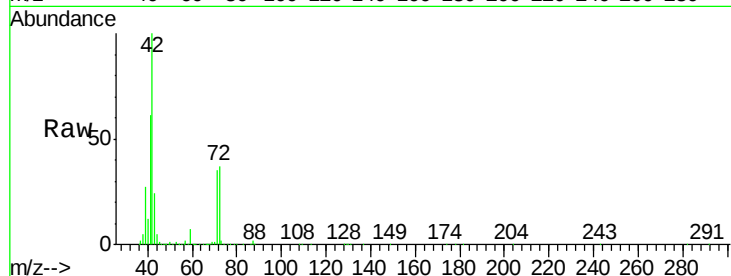
42 100

72 37.2 29.8 44.6

71 35.6 28.2 42.2

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#42

Bromodichloromethane

Concen: 9.99 ppbv

RT: 7.98 min Scan# 2144

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

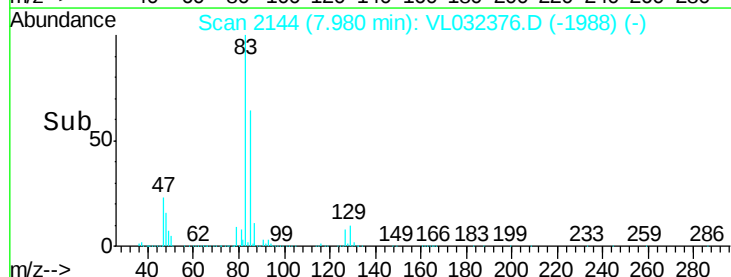
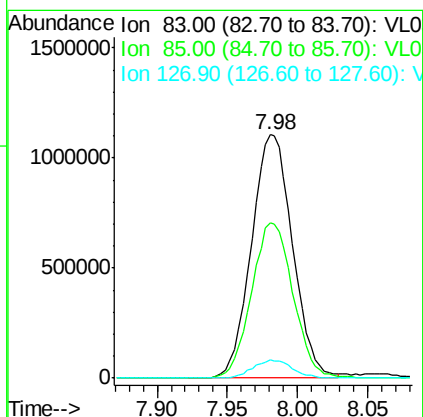
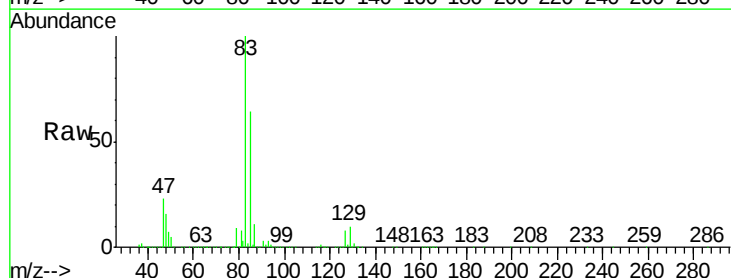
Tgt Ion: 83 Resp: 2253650

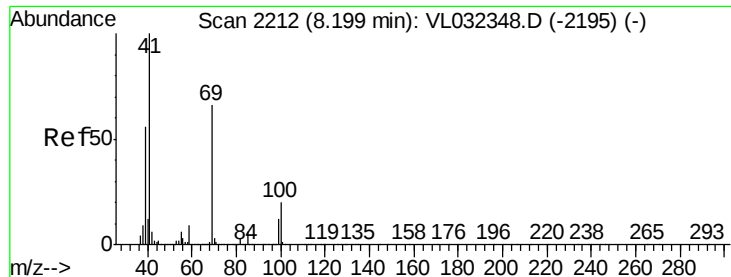
Ion Ratio Lower Upper

83 100

85 63.9 50.4 75.6

127 7.6 6.1 9.1





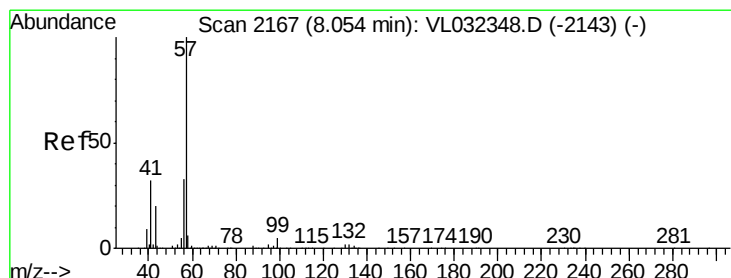
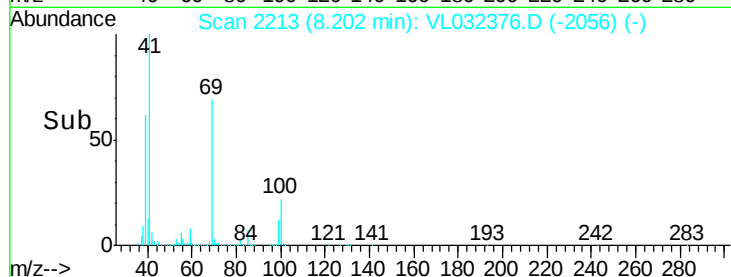
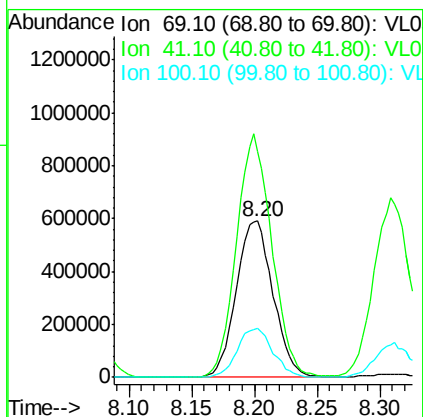
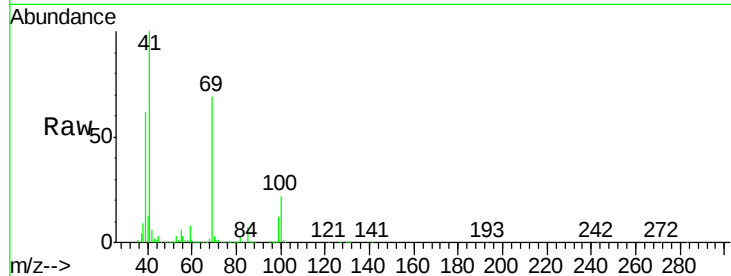
#43
Methvl Methacrvlate
Concen: 10.66 ppbv
RT: 8.20 min Scan# 2213
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1206152
Ion Ratio Lower Upper
69 100
41 149.7 118.6 177.8
100 30.6 23.4 35.2

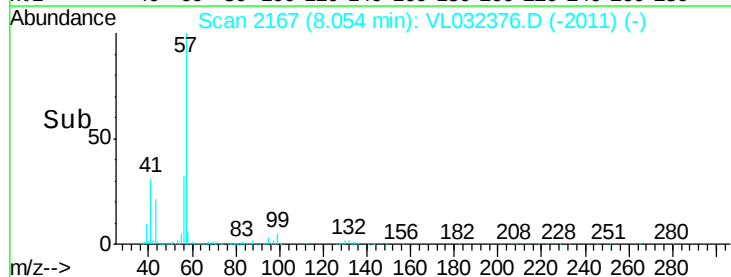
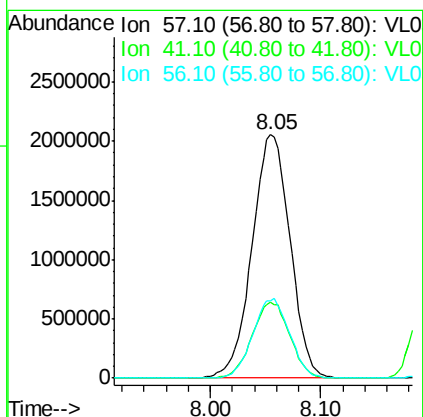
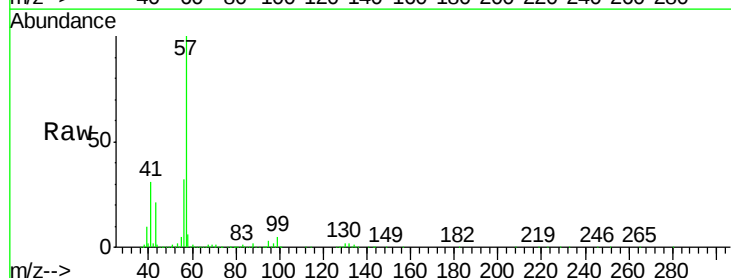
Manual Integrations
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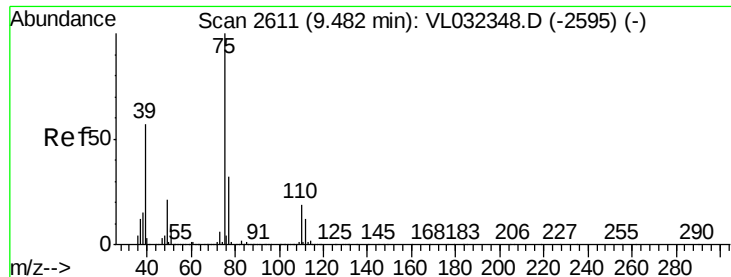
MMDadoda
8/17/2018 2:07:00 PM



#44
2,2,4-Trimethylpentane
Concen: 9.58 ppbv
RT: 8.05 min Scan# 2167
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Tgt Ion: 57 Resp: 4905354
Ion Ratio Lower Upper
57 100
41 30.8 24.3 36.5
56 31.5 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 11.95 ppbv

RT: 9.48 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1709500

Ion Ratio Lower Upper

75 100

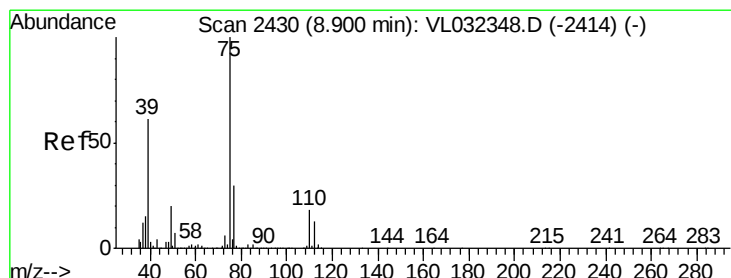
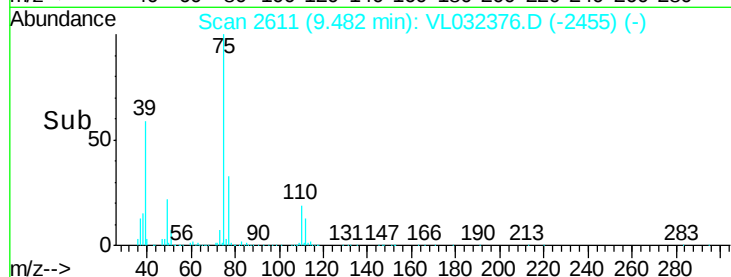
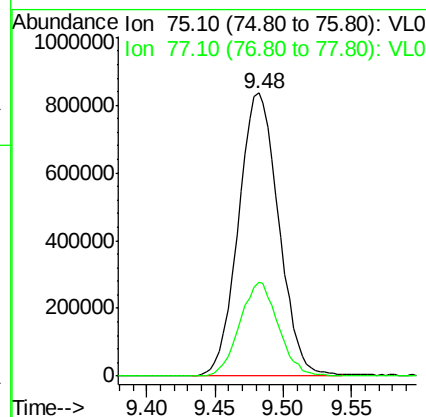
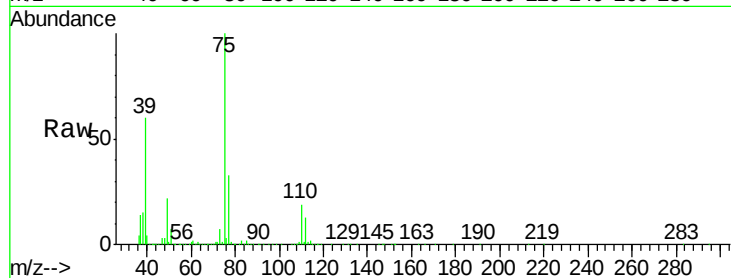
77 33.0 25.4 38.2

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#46

cis-1,3-Dichloropropene

Concen: 11.28 ppbv

RT: 8.90 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

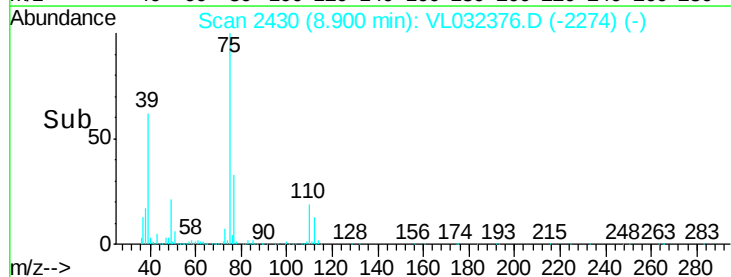
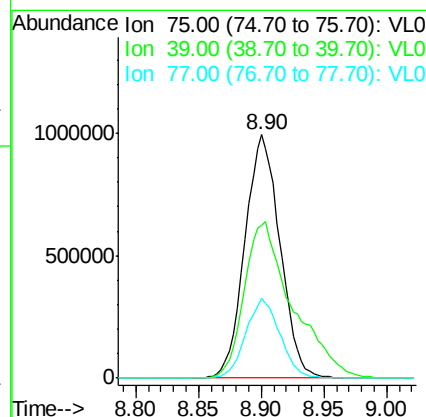
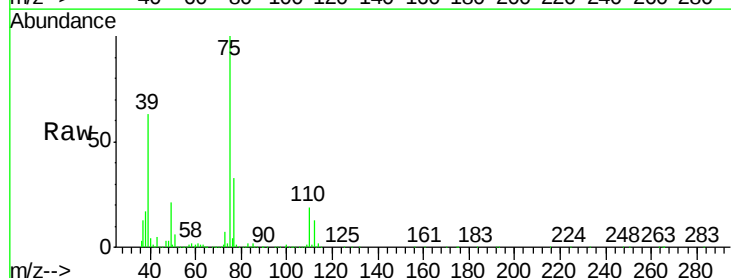
Tgt Ion: 75 Resp: 1936290

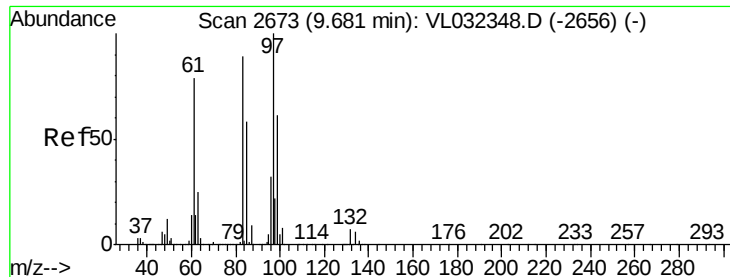
Ion Ratio Lower Upper

75 100

39 62.4 48.5 72.7

77 32.9 24.3 36.5





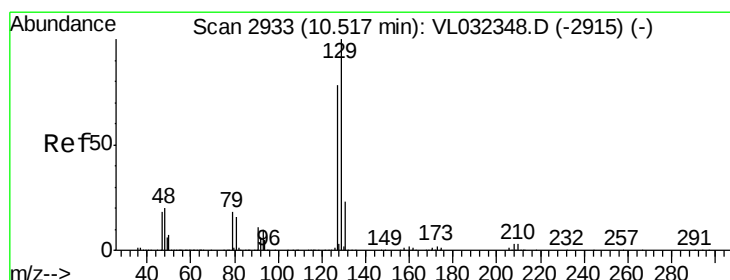
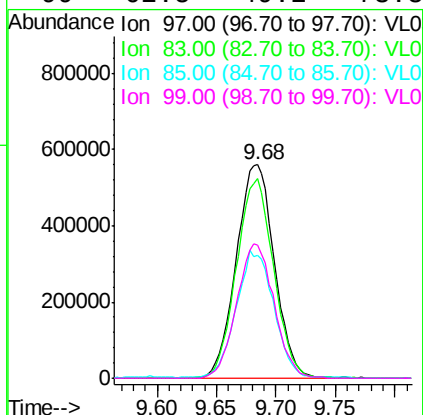
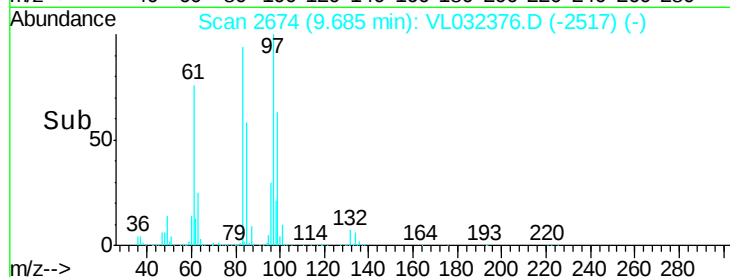
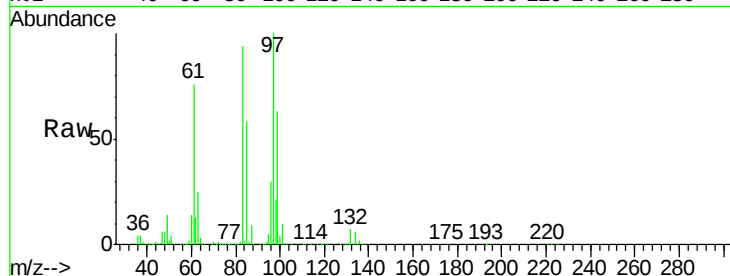
#47
 1,1,2-Trichloroethane
 Concen: 9.49 ppbv
 RT: 9.68 min Scan# 2674
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
97	100		
83	93.6	71.2	106.8
85	57.5	46.6	69.8
99	62.5	49.2	73.8

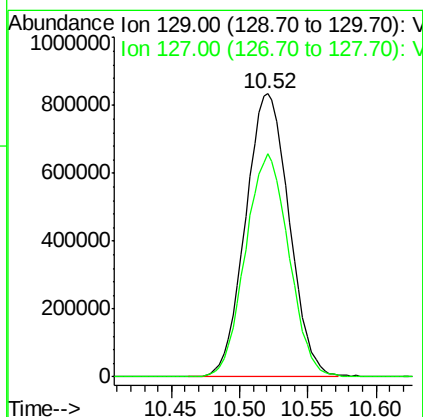
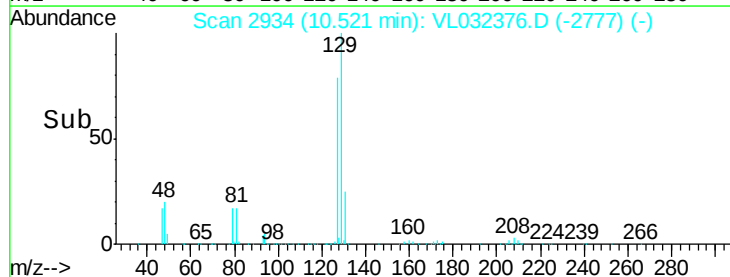
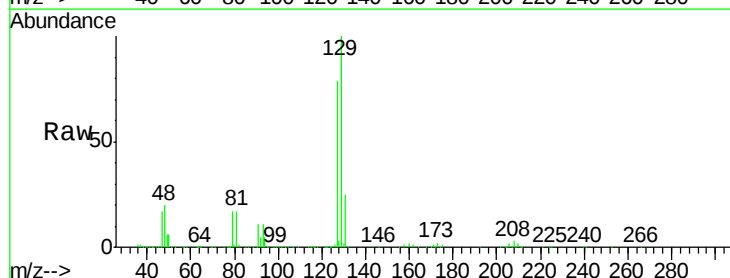
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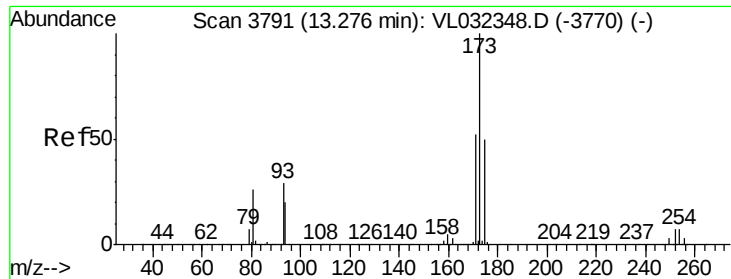
MMDadoda
 8/17/2018 2:07:00 PM



#48
 Dibromochloromethane
 Concen: 10.61 ppbv
 RT: 10.52 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.9





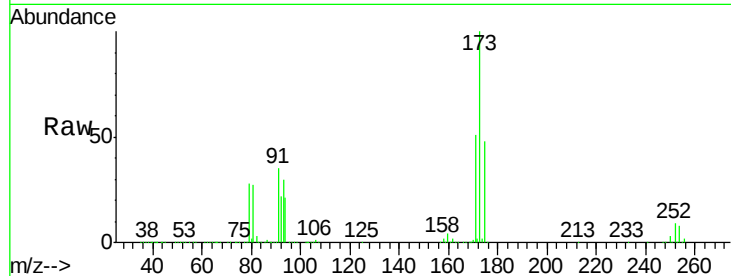
#49
Bromoform
Concen: 10.07 ppbv
RT: 13.27 min Scan# 3790
Delta R.T. -0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ion	Ratio	Lower	Upper
173	100			
175	49.2	39.3	58.9	
171	52.7	41.9	62.9	

Manual Integrations
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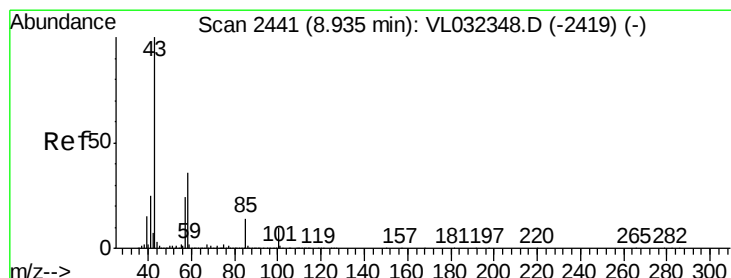
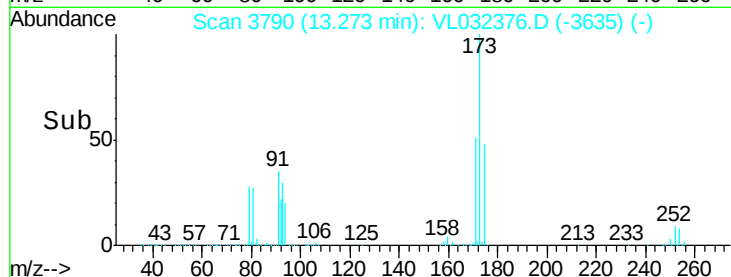
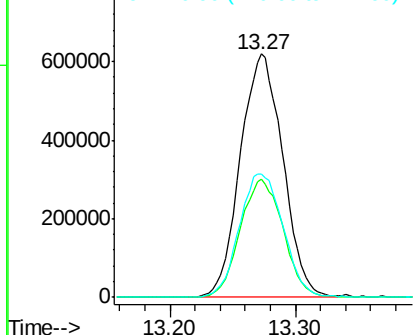


Abundance

Ion 172.90 (172.60 to 173.60): V

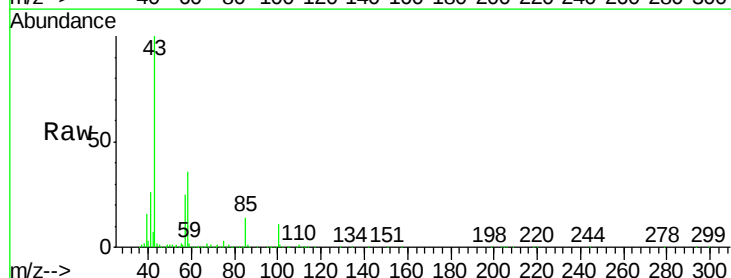
Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50
4-Methyl-2-Pentanone
Concen: 9.49 ppbv
RT: 8.94 min Scan# 2441
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

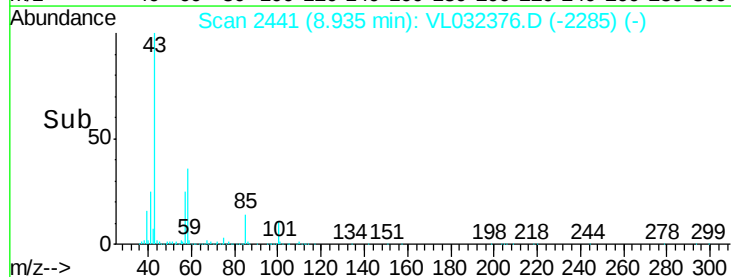
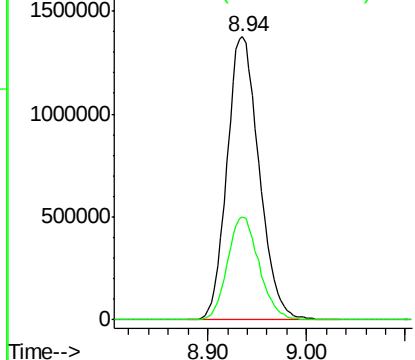
Tgt Ion	Ion	Ratio	Lower	Upper
43	100			
58	35.8	28.9	43.3	

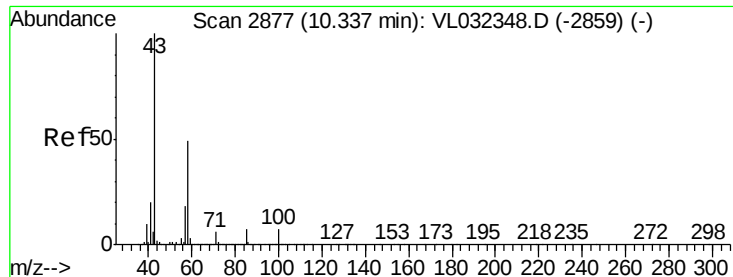


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





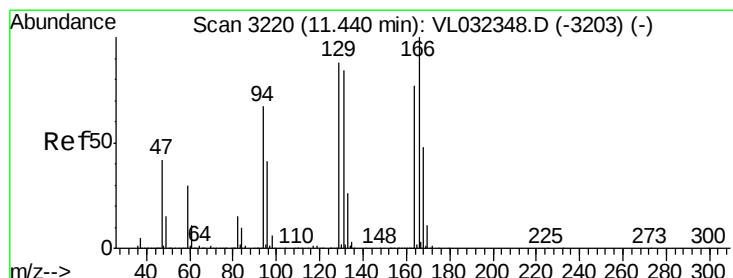
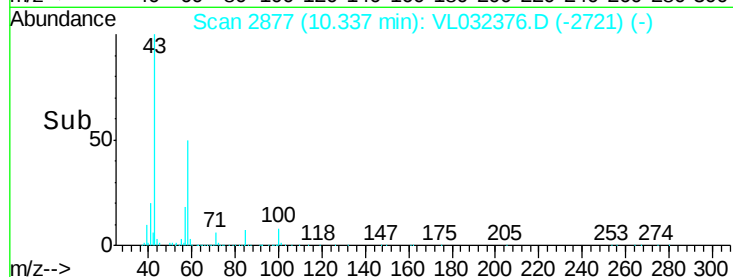
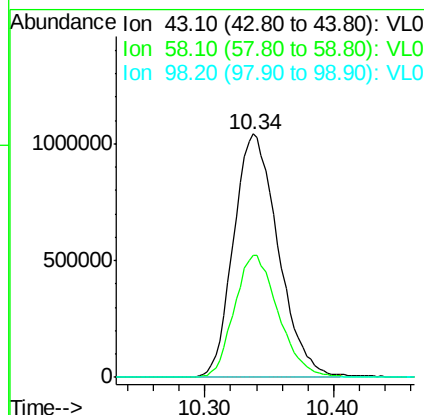
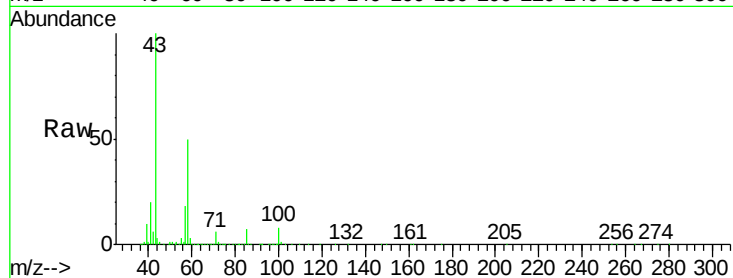
#51
2-Hexanone
Concen: 10.82 ppbv
RT: 10.34 min Scan# 2877
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2500780
Ion Ratio Lower Upper
43 100
58 49.8 39.5 59.3
98 0.1 0.3 0.5#

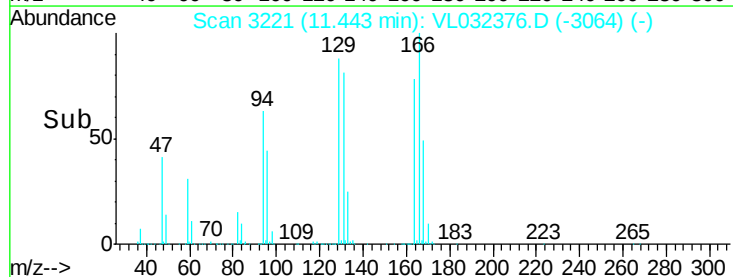
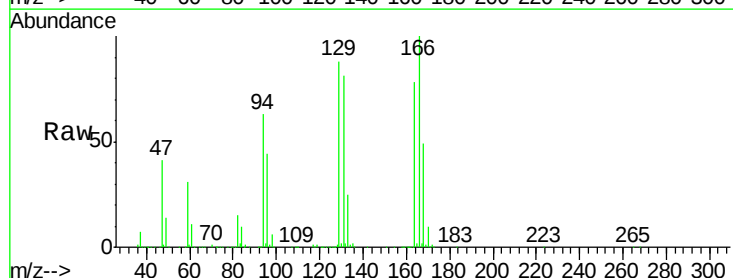
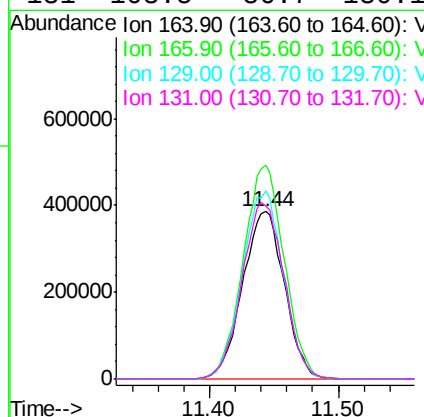
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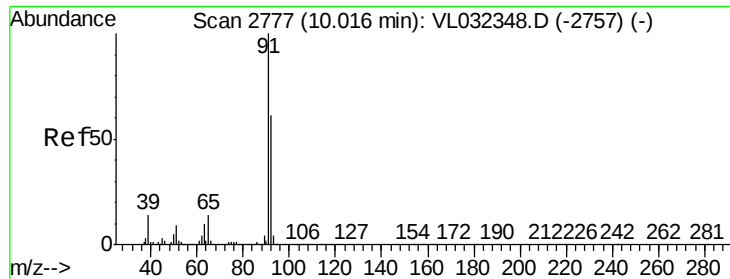
MMDadoda
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#52
Tetrachloroethene
Concen: 10.40 ppbv
RT: 11.44 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Tgt Ion: 164 Resp: 871160
Ion Ratio Lower Upper
164 100
166 127.6 103.5 155.3
129 112.3 90.9 136.3
131 103.5 86.7 130.1





#53

Toluene

Concen: 10.59 ppbv

RT: 10.01 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3296442

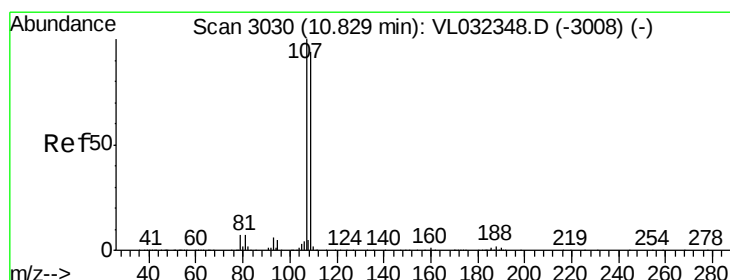
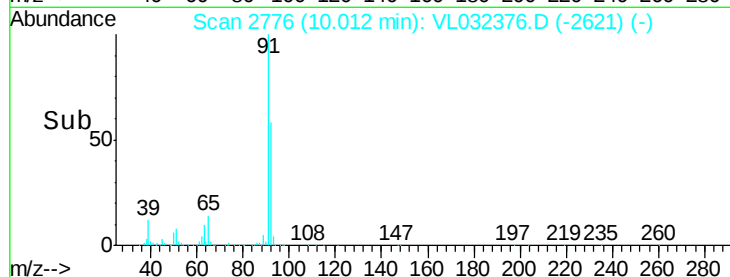
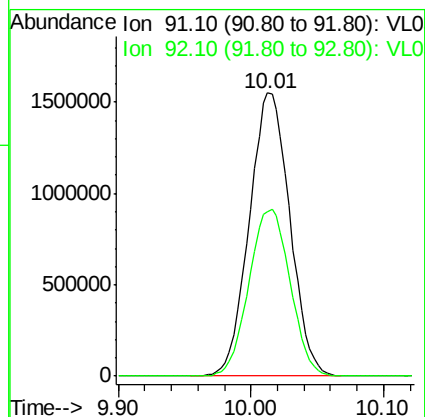
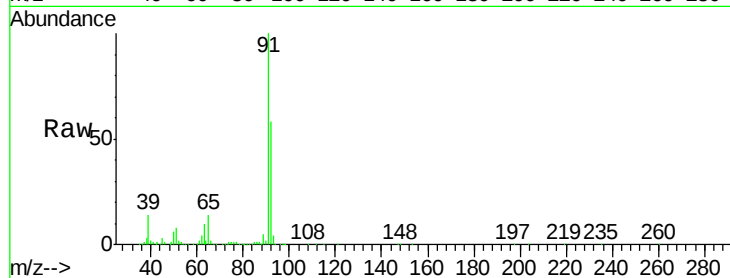
Ion Ratio Lower Upper

91 100

92 60.1 48.7 73.1

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#54

1,2-Dibromoethane

Concen: 10.26 ppbv

RT: 10.83 min Scan# 3030

Delta R.T. 0.00 min

Lab File: VL032376.D

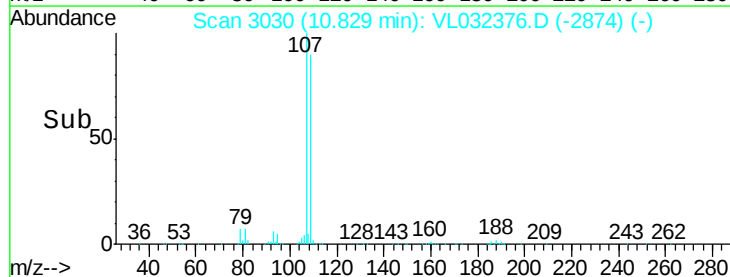
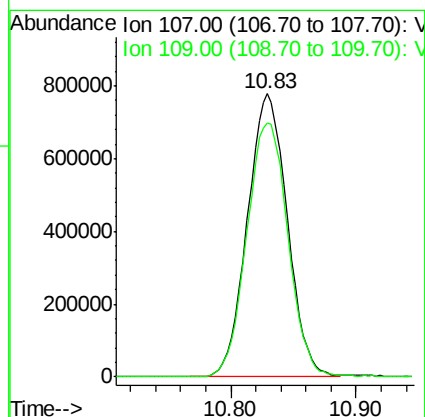
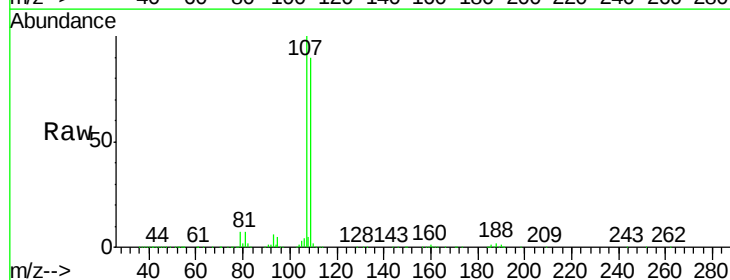
Acq: 16 Aug 2018 8:36

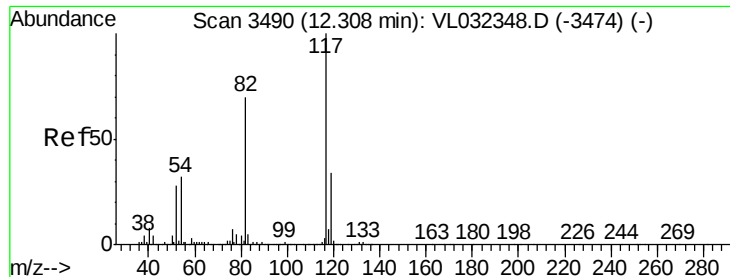
Tgt Ion:107 Resp: 1719472

Ion Ratio Lower Upper

107 100

109 89.7 74.9 112.3





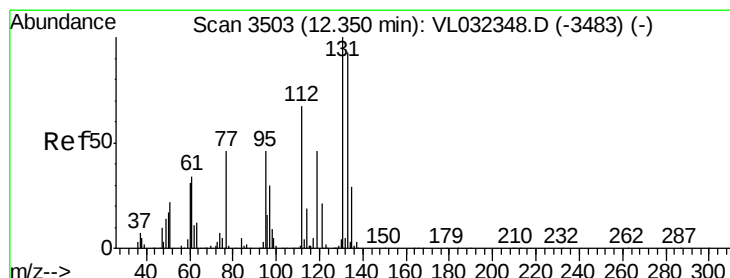
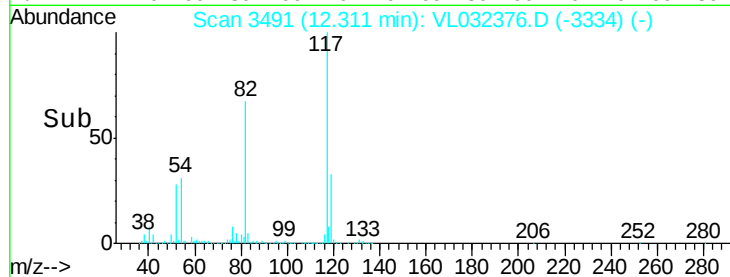
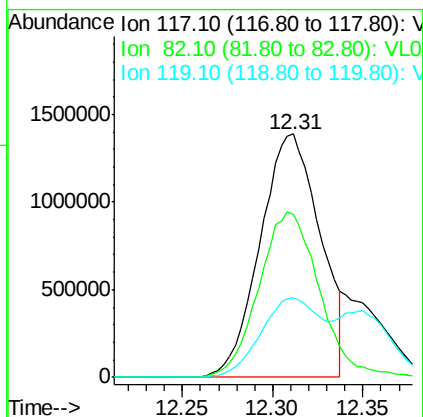
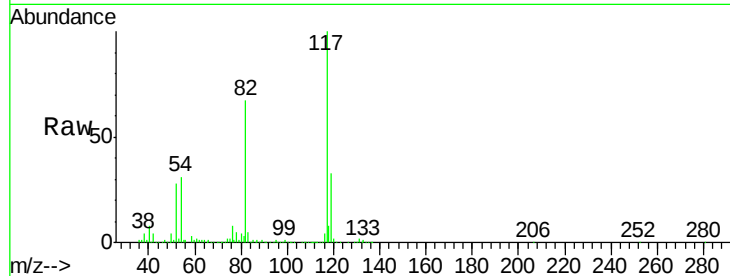
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.31 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3216973
Ion Ratio Lower Upper
117 100
82 68.7 55.1 82.7
119 57.3 46.0 69.0

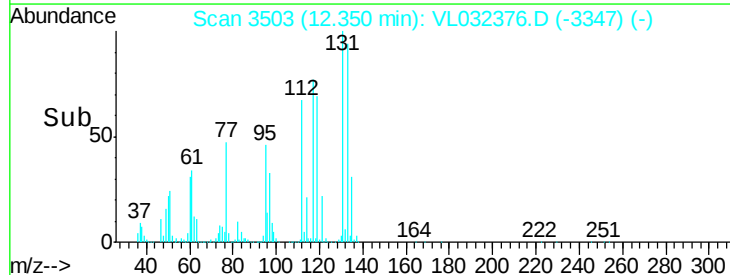
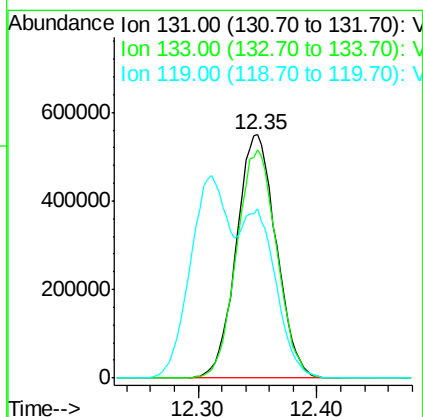
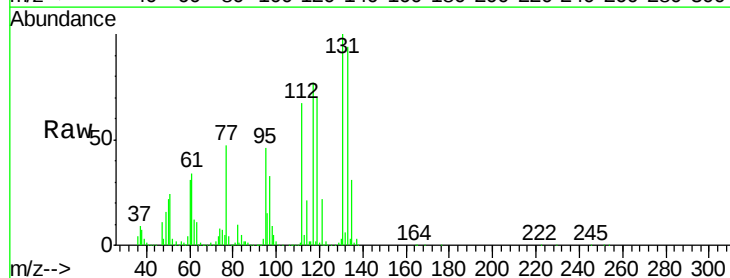
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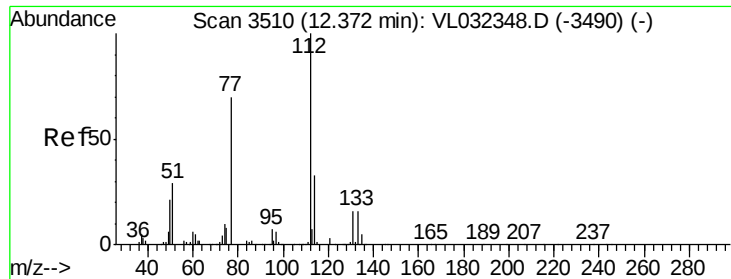
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.55 ppbv
RT: 12.35 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Tgt Ion:131 Resp: 1270934
Ion Ratio Lower Upper
131 100
133 94.8 75.7 113.5
119 145.1 116.0 174.0





#57

Chlorobenzene

Concen: 9.50 ppbv

RT: 12.37 min Scan# 3510

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 2301630

Ion Ratio Lower Upper

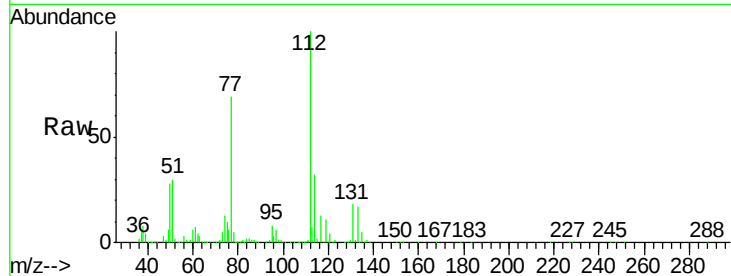
112 100

77 68.6 56.6 84.8

114 31.5 29.4 36.0

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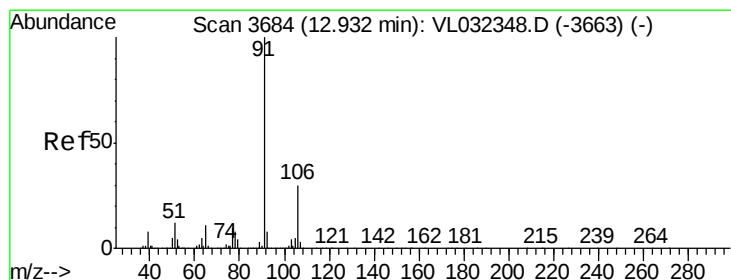
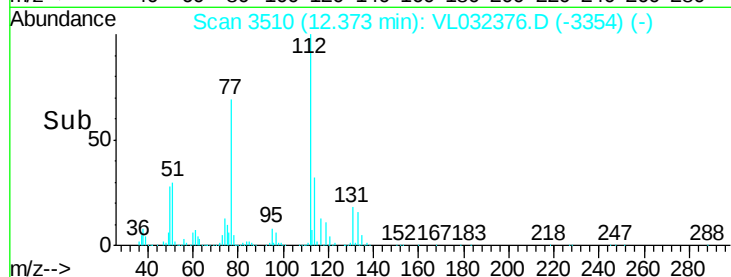
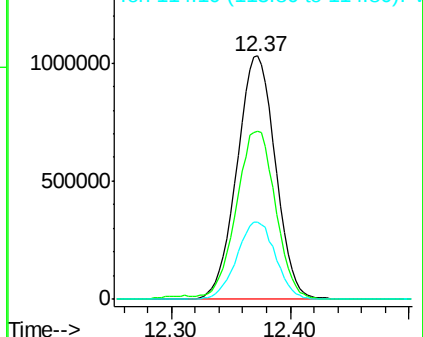
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 11.23 ppbv

RT: 12.93 min Scan# 3684

Delta R.T. 0.00 min

Lab File: VL032376.D

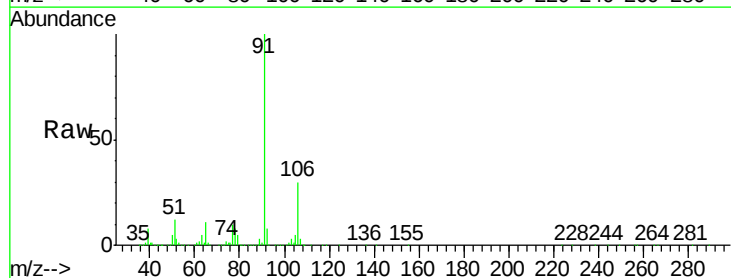
Acq: 16 Aug 2018 8:36

Tgt Ion: 91 Resp: 4347568

Ion Ratio Lower Upper

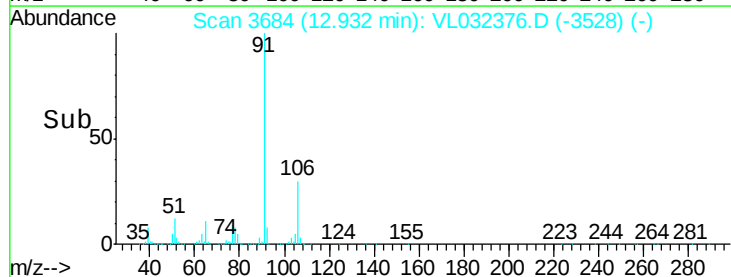
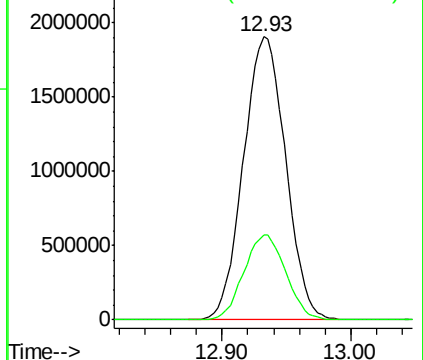
91 100

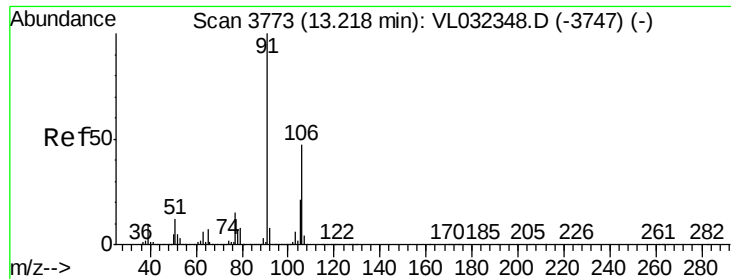
106 30.1 24.3 36.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





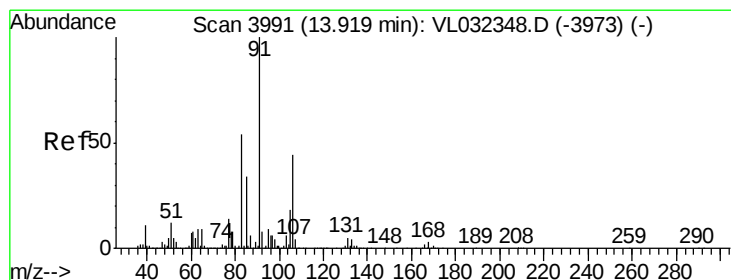
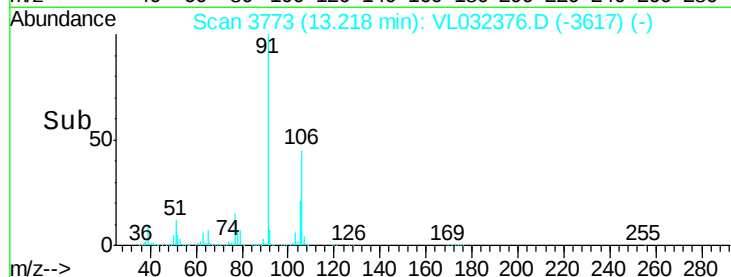
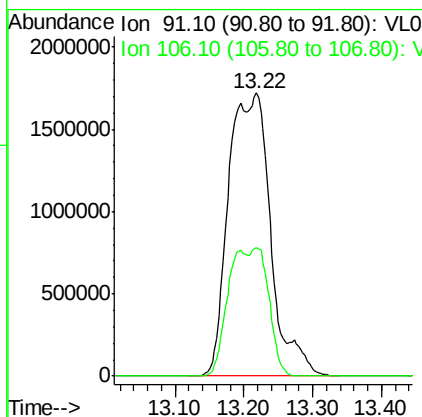
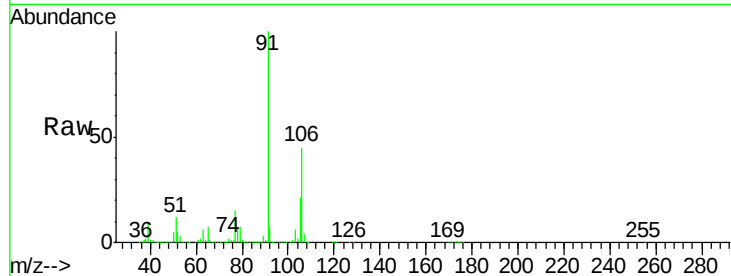
#59
m/p-Xylene
Concen: 22.17 ppbv m
RT: 13.22 min Scan# 3773
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 7288442
Ion Ratio Lower Upper
91 100
106 43.2 37.0 55.4

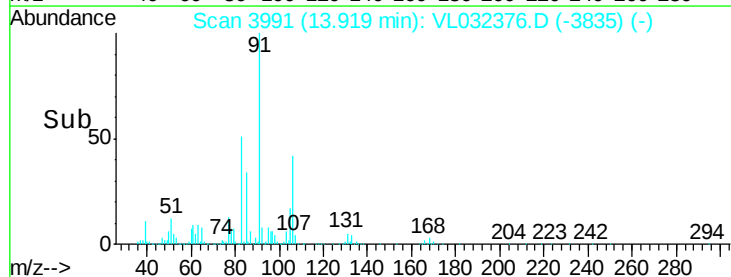
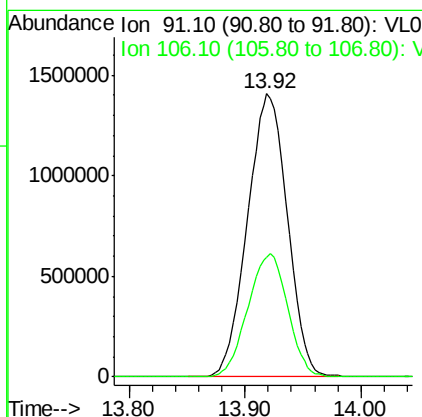
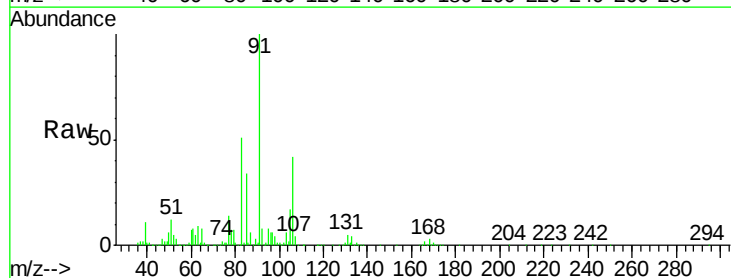
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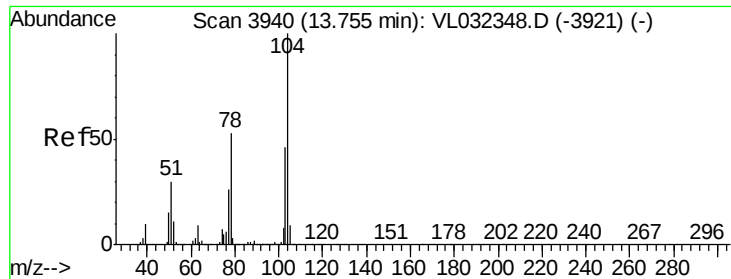
MMDadoda
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#60
o-Xylene
Concen: 10.41 ppbv
RT: 13.92 min Scan# 3991
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Tgt Ion: 91 Resp: 3364039
Ion Ratio Lower Upper
91 100
106 43.6 22.3 66.8





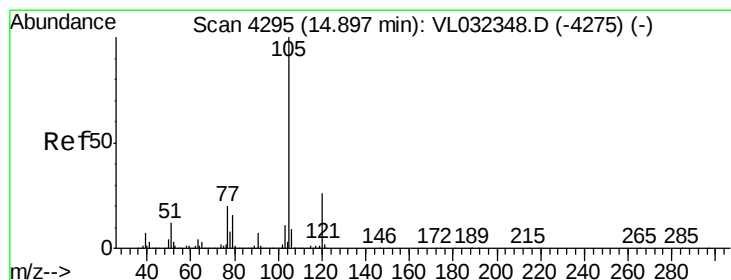
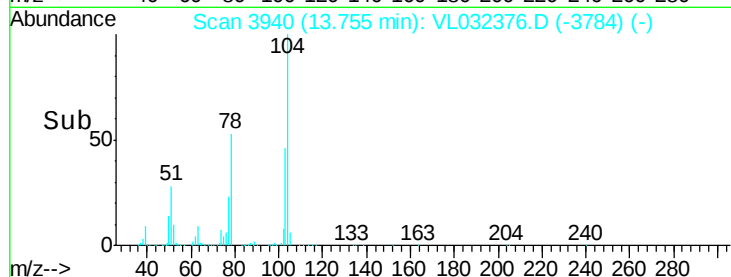
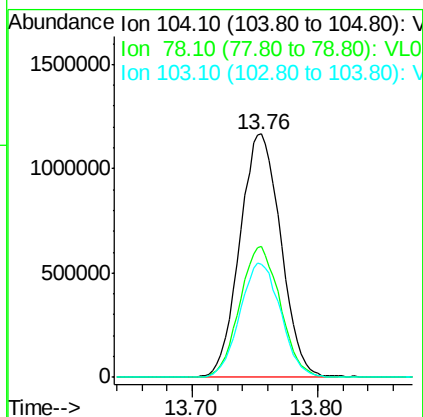
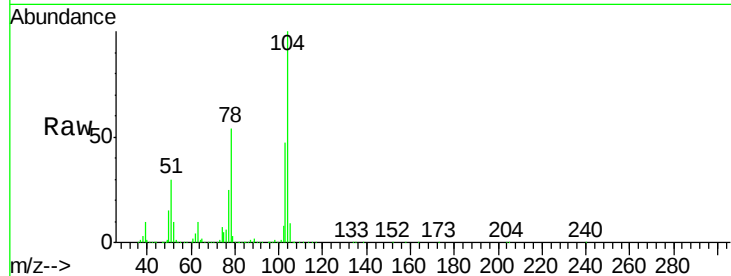
#61
Stvrene
Concen: 11.73 ppbv
RT: 13.76 min Scan# 3940
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	53.2	42.6	64.0
103	47.0	38.0	57.0

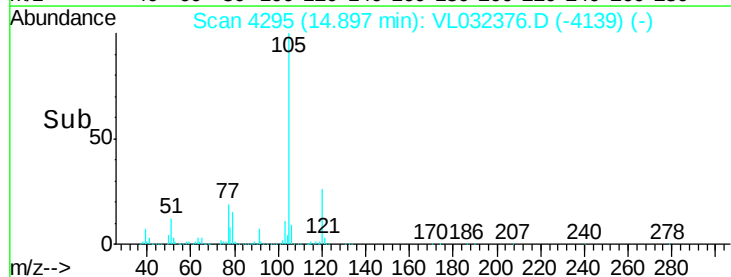
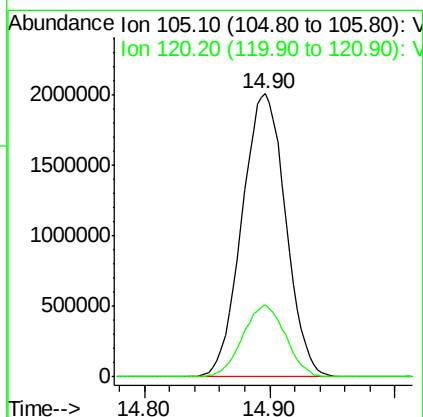
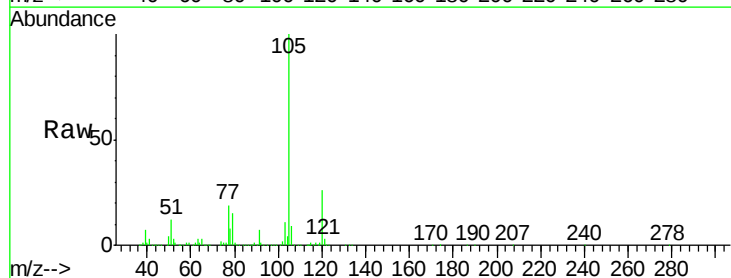
Manual Integrations
APPROVED

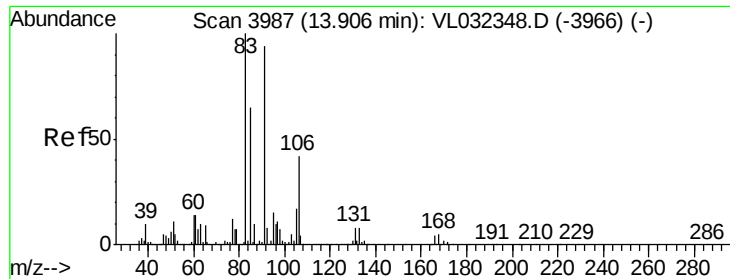
MMDadoda
8/17/2018 2:07:00 PM



#62
Isopropylbenzene
Concen: 10.55 ppbv
RT: 14.90 min Scan# 4295
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.0	20.6	30.8





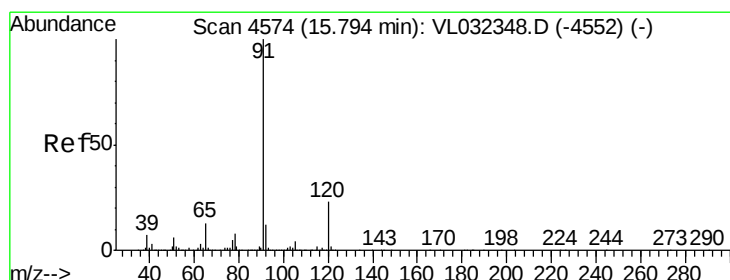
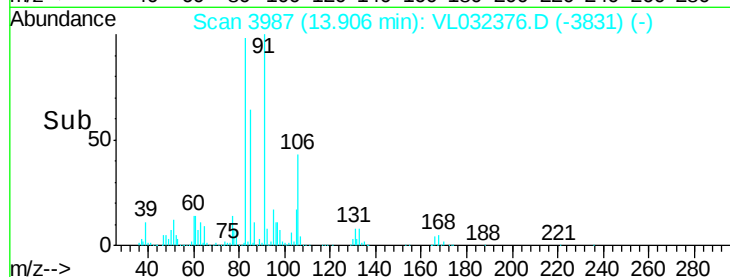
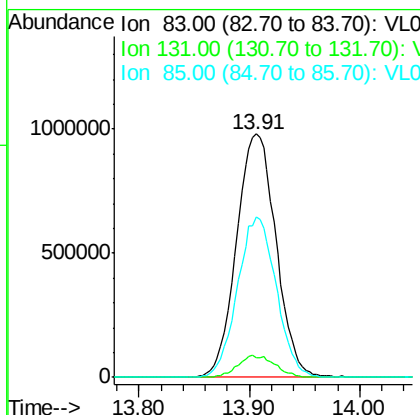
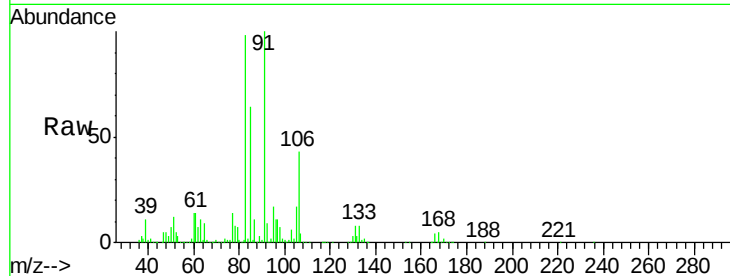
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.93 ppbv
 RT: 13.91 min Scan# 3987
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.6	4.3	12.8
85	64.9	32.4	97.2

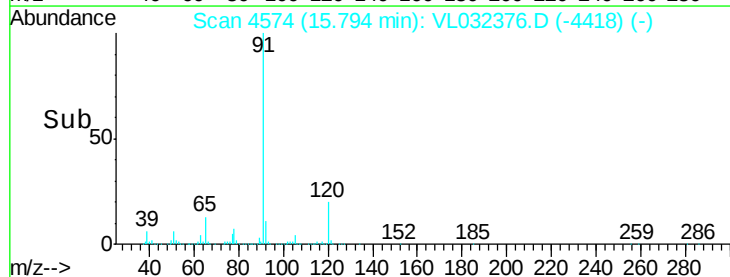
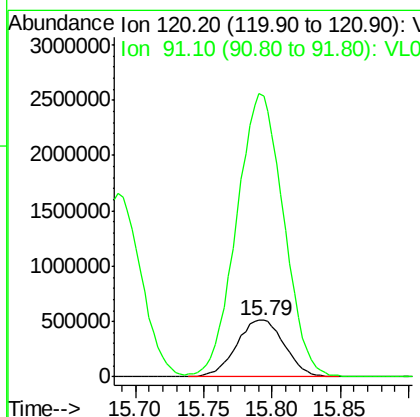
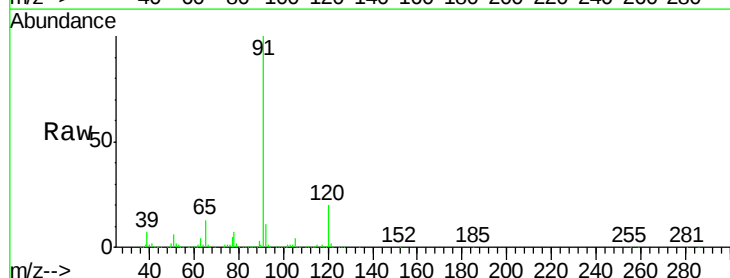
Manual Integrations
 APPROVED

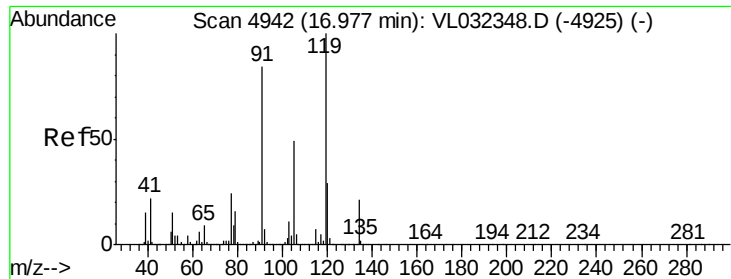
MMDadoda
 8/17/2018 2:07:00 PM



#64
 n-propylbenzene
 Concen: 10.53 ppbv
 RT: 15.79 min Scan# 4574
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Tgt Ion	Ratio	Lower	Upper
120	100		
91	488.7	382.2	573.2





#65

tert-Butylbenzene

Concen: 10.18 ppbv

RT: 16.98 min Scan# 4942

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 4000007

Ion Ratio Lower Upper

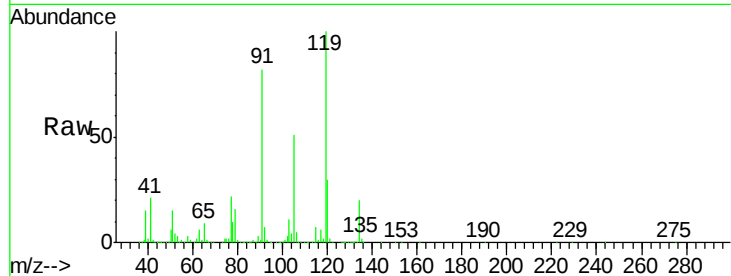
119 100

91 84.4 67.4 101.0

134 19.6 15.8 23.6

Manual Integrations
APPROVED

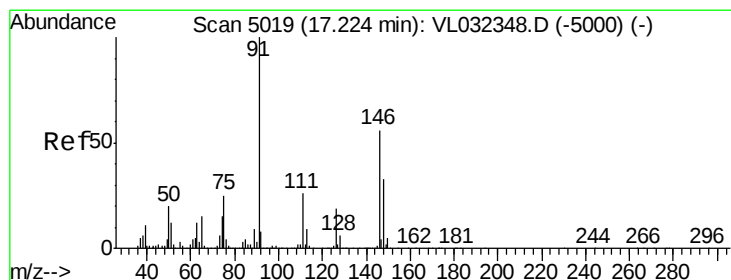
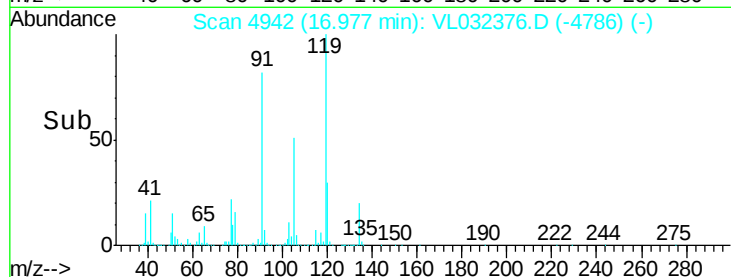
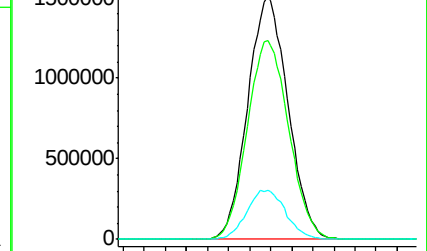
MMDadoda
8/17/2018 2:07:00 PM



Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.74 ppbv

RT: 17.23 min Scan# 5020

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

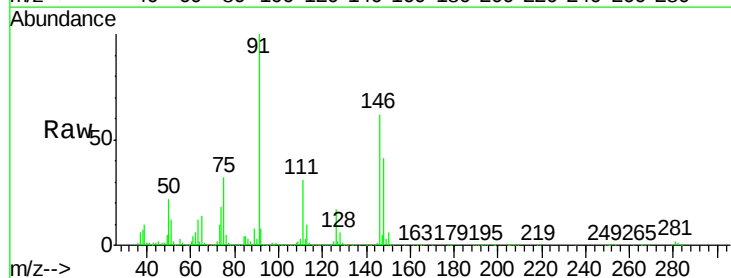
Tgt Ion: 91 Resp: 2730527

Ion Ratio Lower Upper

91 100

126 17.5 14.2 21.4

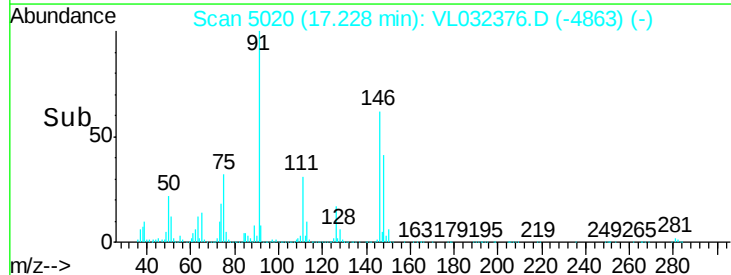
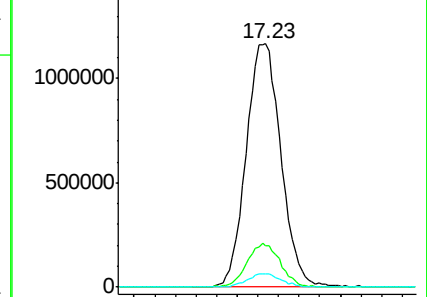
128 5.4 4.5 6.7

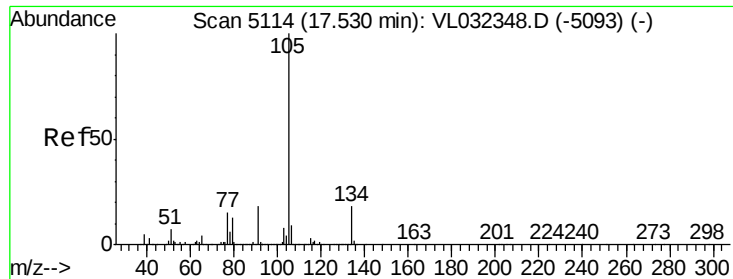


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.41 ppbv

RT: 17.53 min Scan# 5114

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010EC

Tot Ion: 105 Resp: 6084091

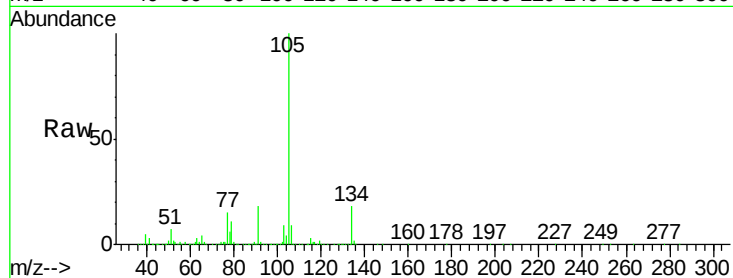
Ion Ratio Lower Upper

105 100

134 17.4 14.4 21.6

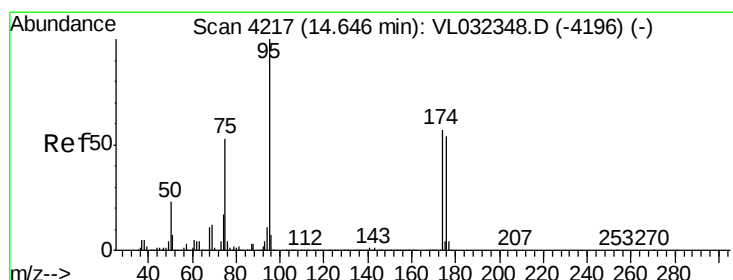
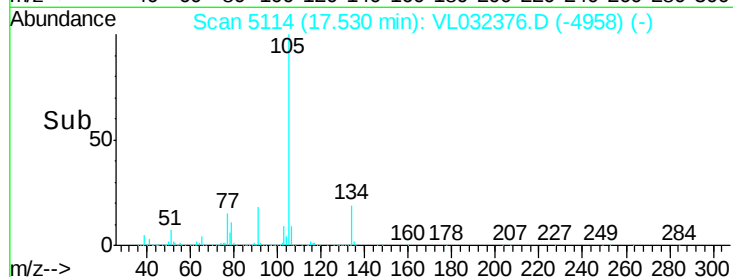
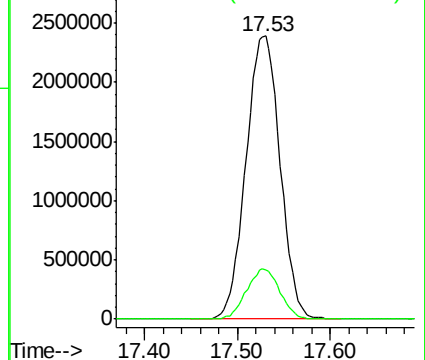
Manual Integrations
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.26 ppbv

RT: 14.65 min Scan# 4218

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

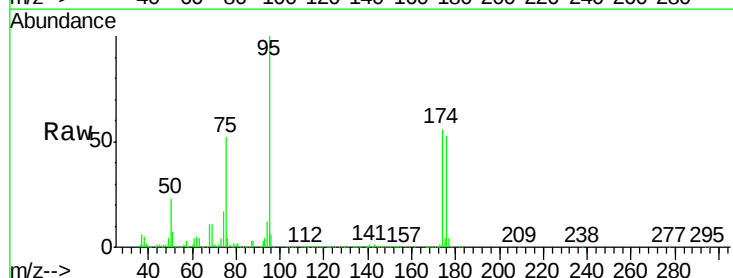
Tgt Ion: 95 Resp: 2517023

Ion Ratio Lower Upper

95 100

174 56.7 46.2 69.4

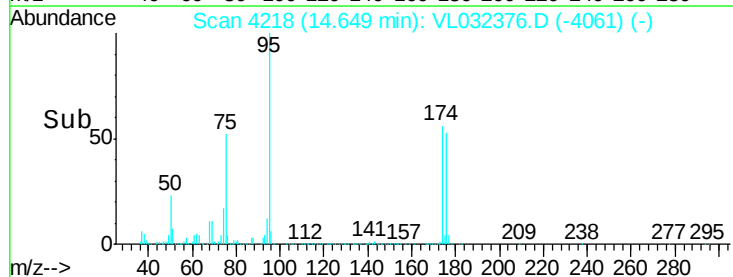
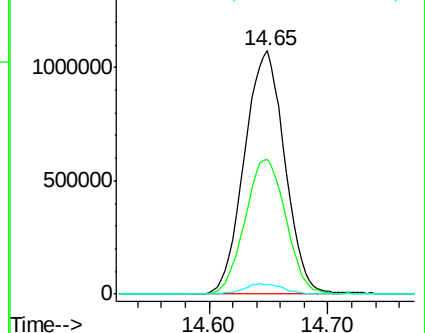
175 4.2 3.4 5.0

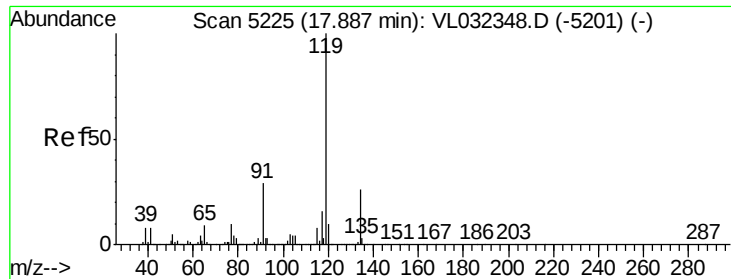


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





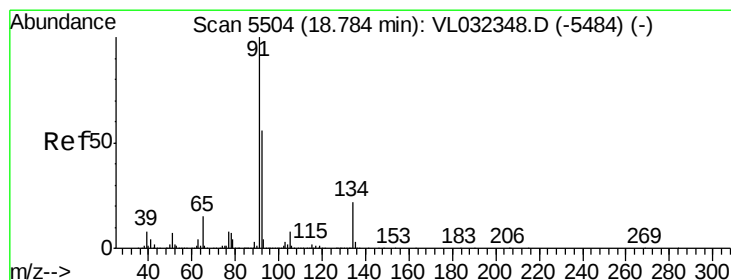
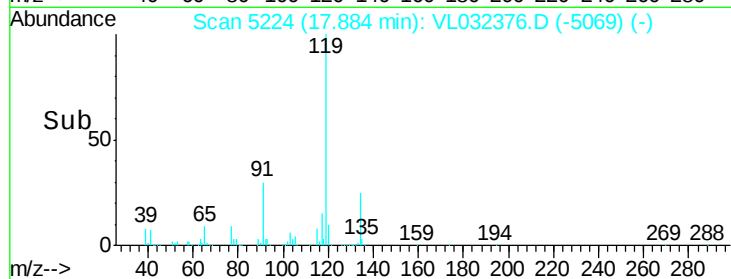
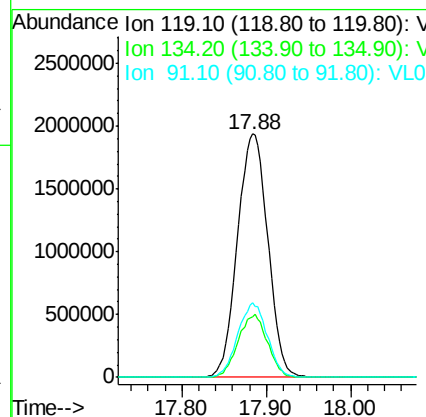
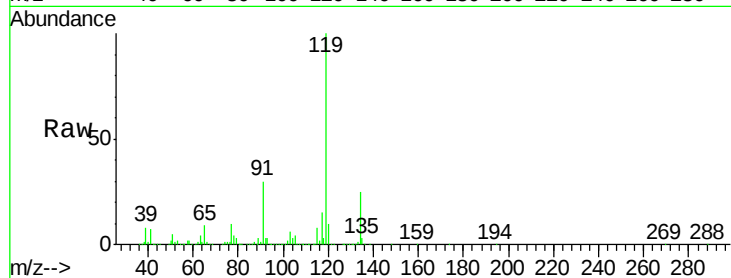
#69
 p-Isopropyltoluene
 Concen: 10.84 ppbv
 RT: 17.88 min Scan# 5224
 Delta R.T. -0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.4	30.6
91	29.7	23.6	35.4

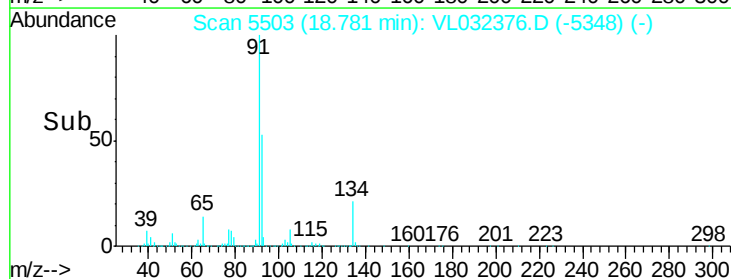
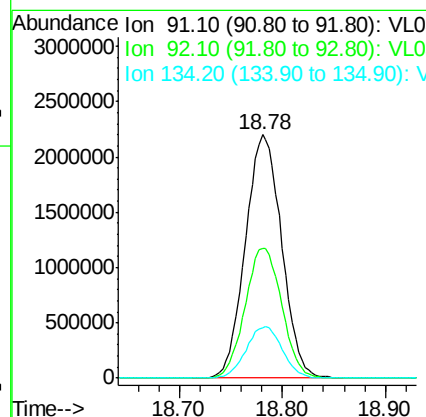
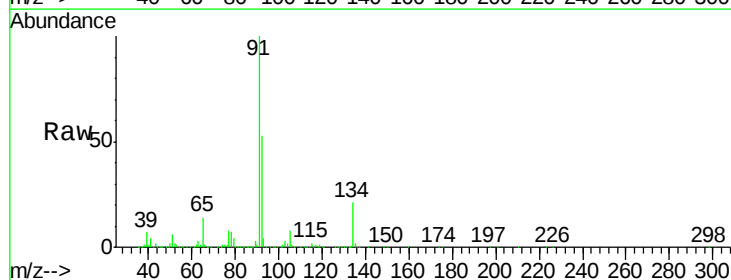
Manual Integrations
 APPROVED

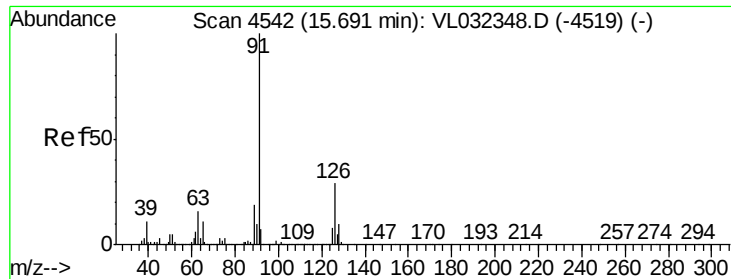
MMDadoda
 8/17/2018 2:07:00 PM



#70
 n-Butylbenzene
 Concen: 10.94 ppbv
 RT: 18.78 min Scan# 5503
 Delta R.T. -0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.1	43.9	65.9
134	21.2	17.3	25.9





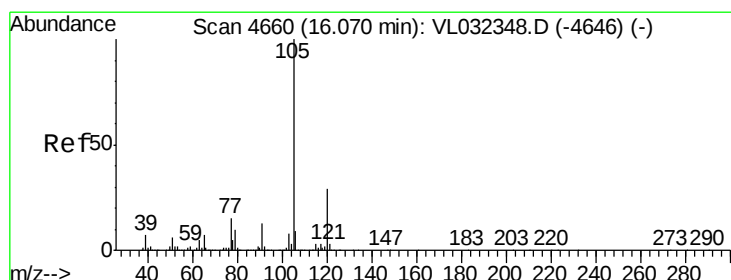
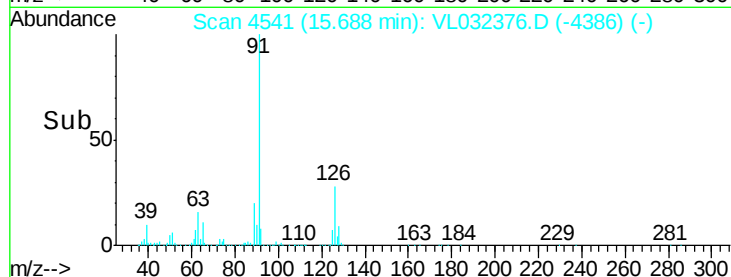
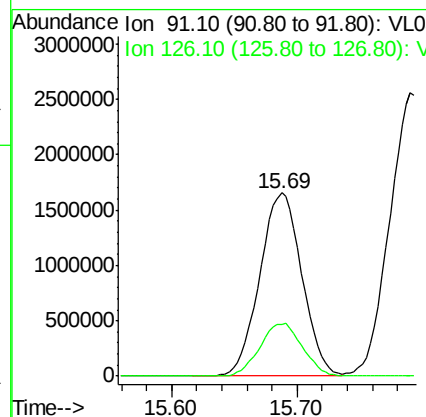
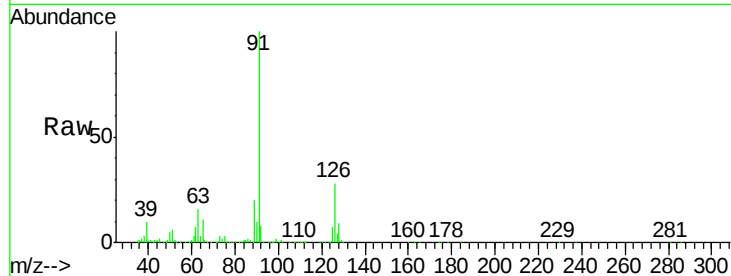
#71
 2-Chlorotoluene
 Concen: 10.88 ppbv
 RT: 15.69 min Scan# 4541
 Delta R.T. -0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 3872635
 Ion Ratio Lower Upper
 91 100
 126 29.2 11.8 47.2

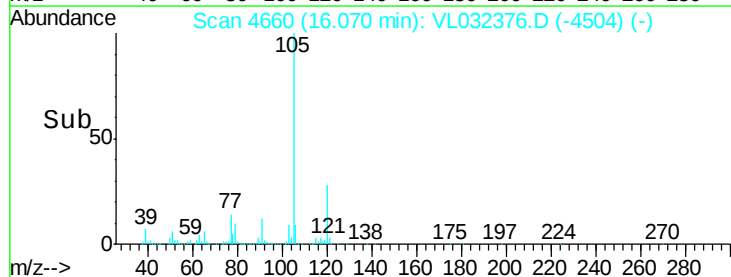
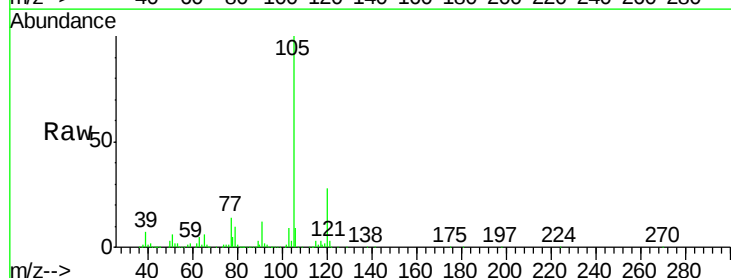
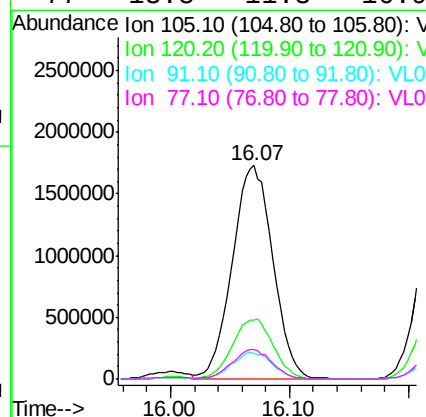
Manual Integrations
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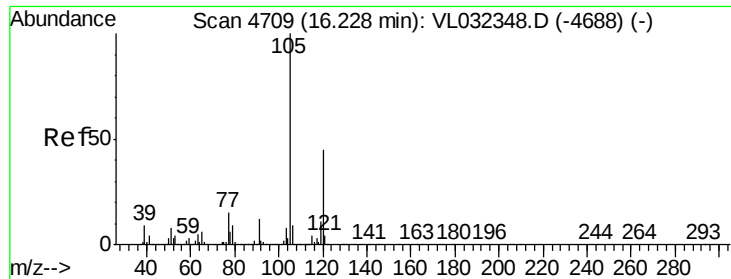
MMDadoda
 8/17/2018 2:07:00 PM



#72
 4-Ethyltoluene
 Concen: 11.31 ppbv
 RT: 16.07 min Scan# 4660
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Tgt Ion:105 Resp: 4076342
 Ion Ratio Lower Upper
 105 100
 120 28.4 23.4 35.0
 91 13.1 10.0 15.0
 77 13.8 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 11.09 ppbv

RT: 16.23 min Scan# 4709

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 3846339

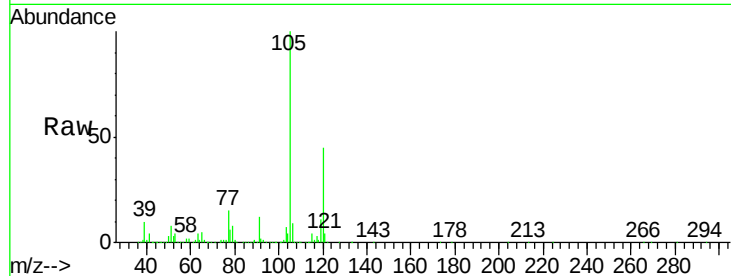
Ion Ratio Lower Upper

105 100

120 44.6 36.3 54.5

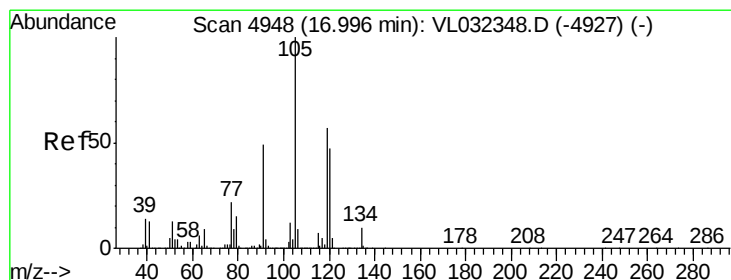
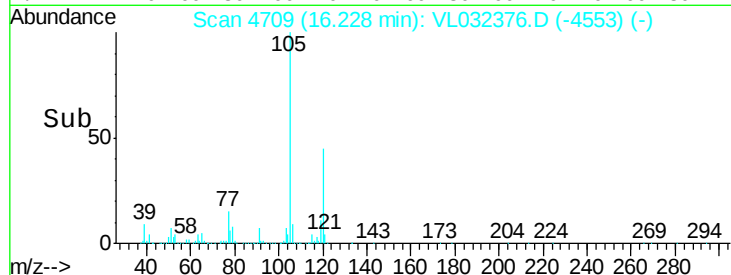
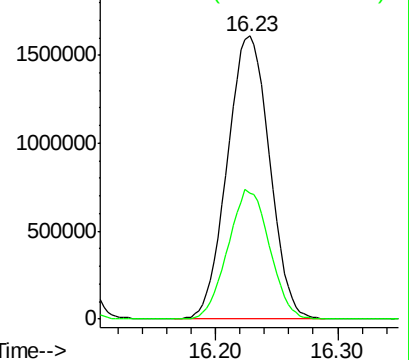
Manual Integrations
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MMDadoda
8/17/2018 2:07:00 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.31 ppbv

RT: 17.00 min Scan# 4948

Delta R.T. 0.00 min

Lab File: VL032376.D

Acq: 16 Aug 2018 8:36

Tgt Ion:105 Resp: 3802246

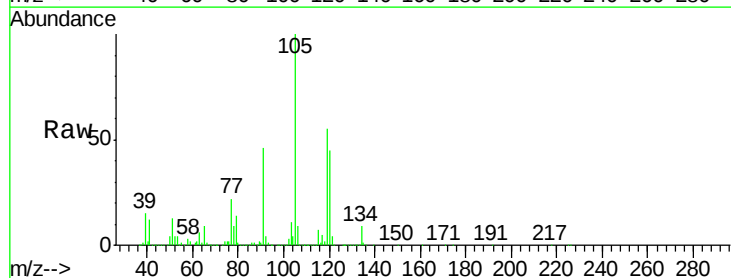
Ion Ratio Lower Upper

105 100

120 45.3 37.6 56.4

91 46.1 39.9 59.9

77 22.0 17.8 26.8

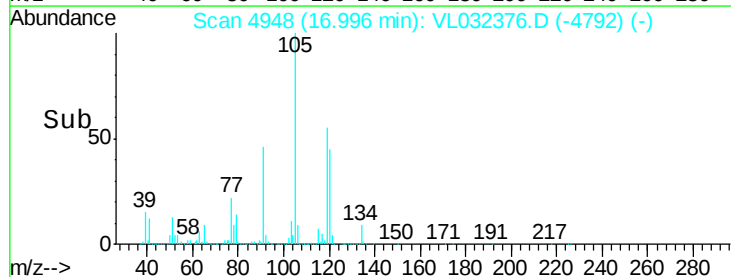
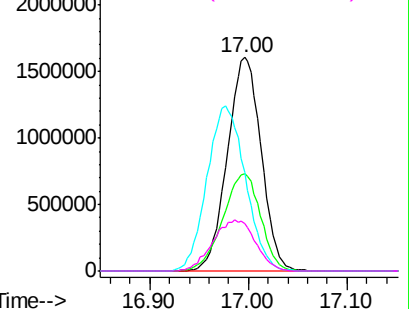


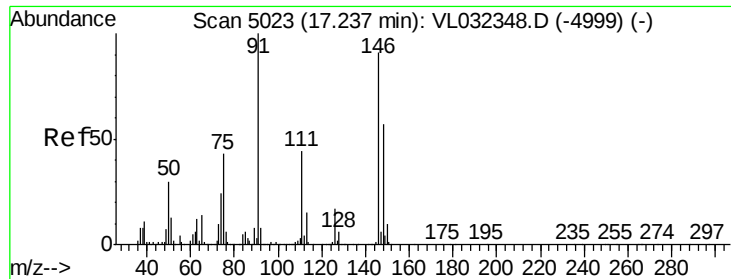
Abundance Ion 105.10 (104.80 to 105.80): V

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





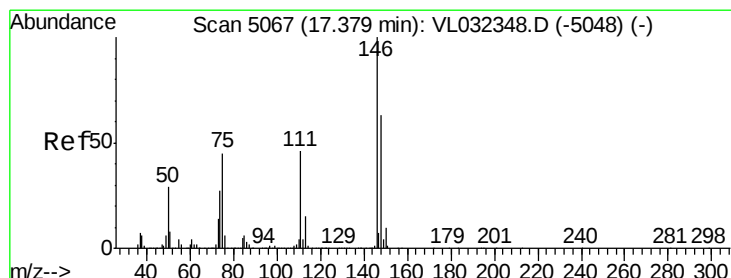
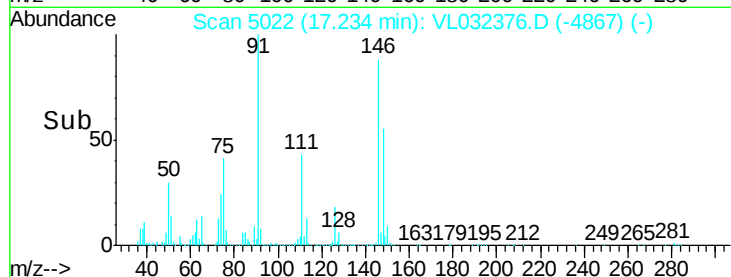
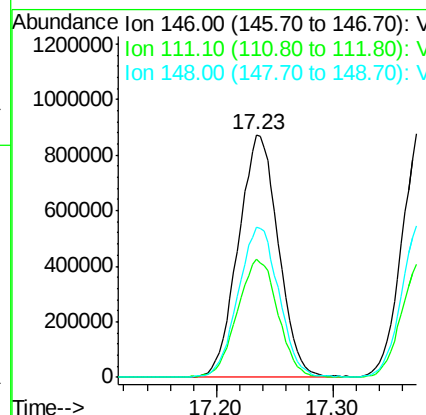
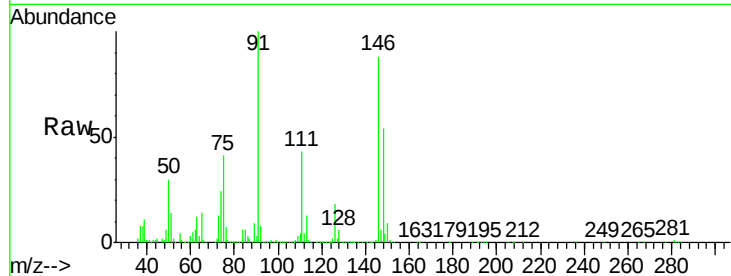
#75
 1,3-Dichlorobenzene
 Concen: 9.43 ppbv
 RT: 17.23 min Scan# 5022
 Delta R.T. -0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.6	24.6	73.8
148	63.4	32.0	96.0

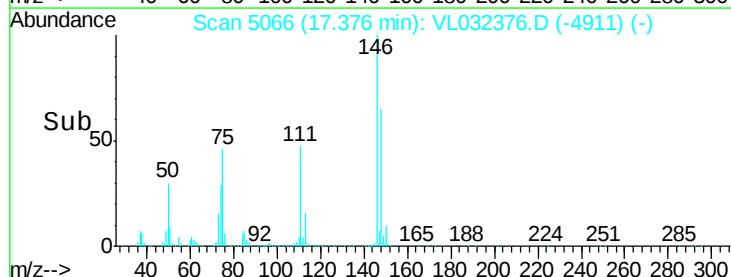
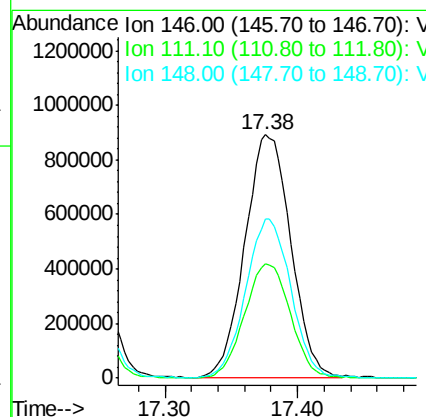
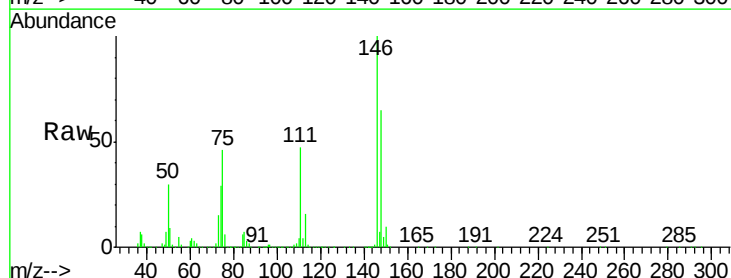
Manual Integrations
 APPROVED

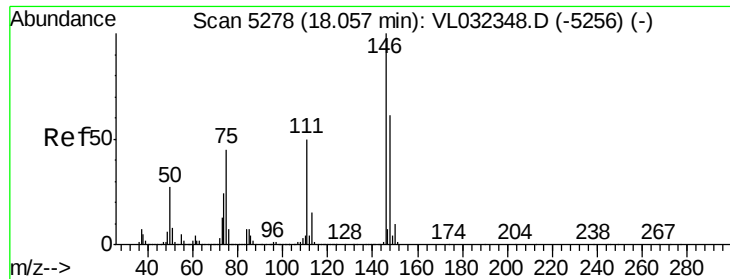
MMDadoda
 8/17/2018 2:07:00 PM



#76
 1,4-Dichlorobenzene
 Concen: 10.14 ppbv
 RT: 17.38 min Scan# 5066
 Delta R.T. -0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.5	23.8	71.4
148	64.8	32.2	96.6





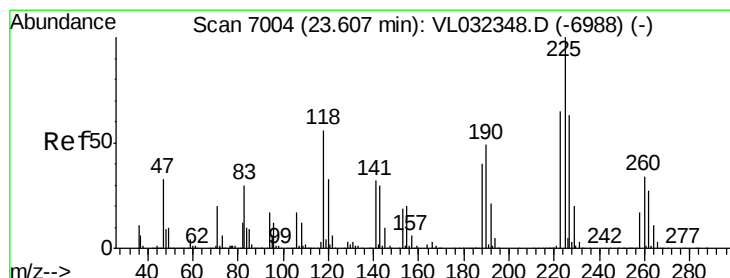
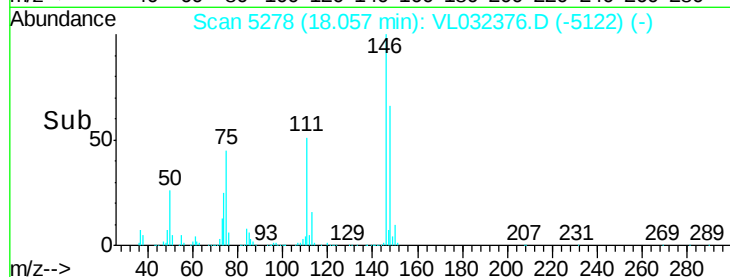
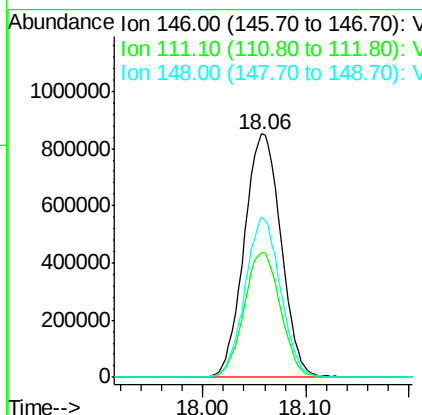
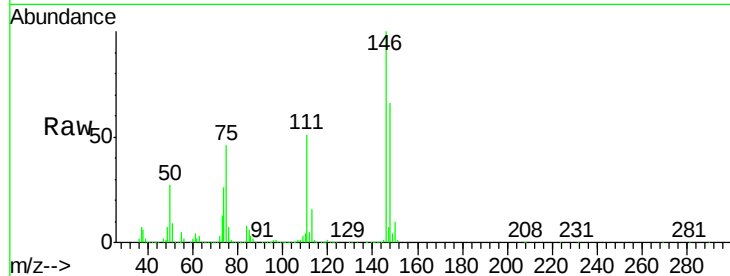
#77
 1,2-Dichlorobenzene
 Concen: 9.97 ppbv
 RT: 18.06 min Scan# 5278
 Delta R.T. 0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.9	25.2	75.6
148	63.3	31.8	95.4

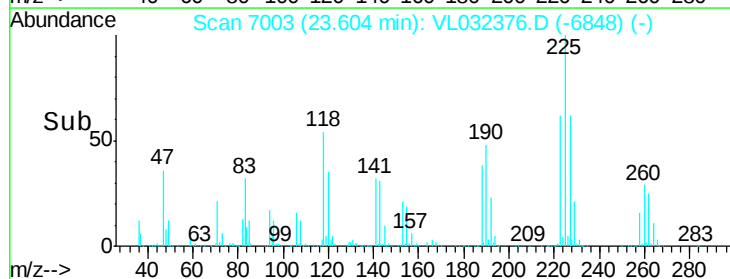
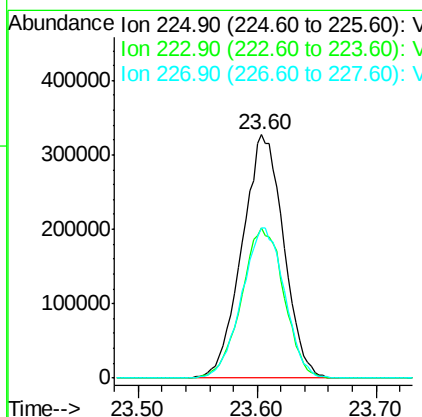
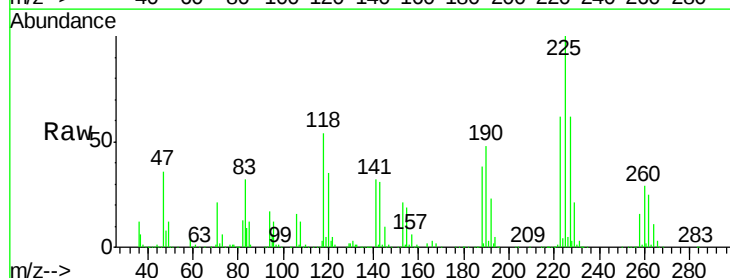
Manual Integrations
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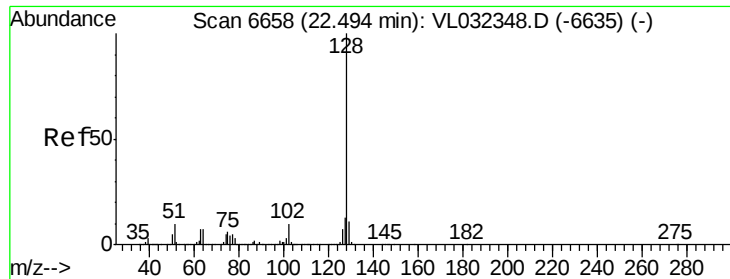
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#78
 Hexachloro-1,3-Butadiene
 Concen: 11.09 ppbv
 RT: 23.60 min Scan# 7003
 Delta R.T. -0.00 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.6	76.0
227	63.4	51.0	76.6





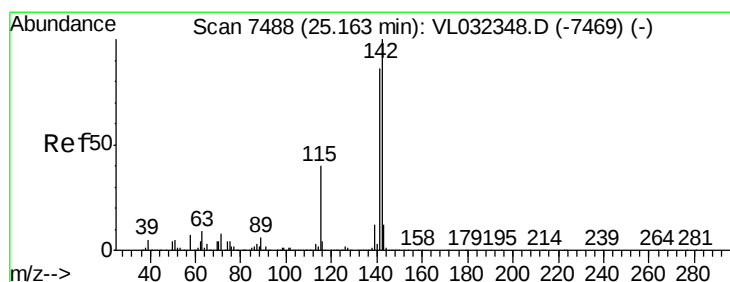
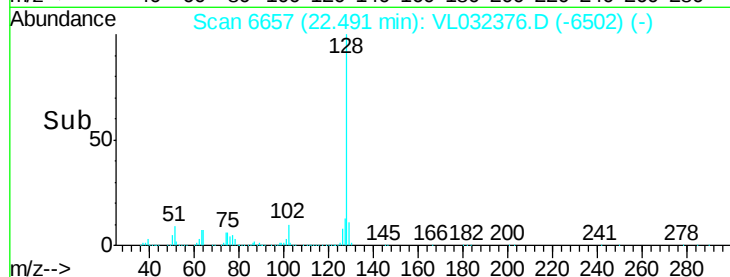
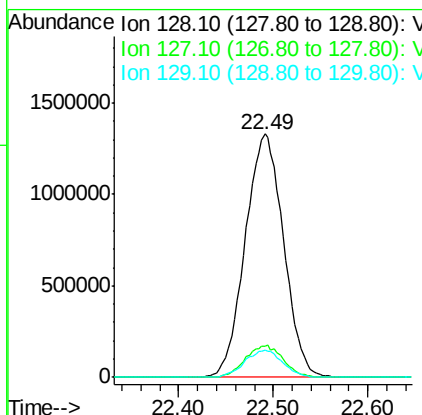
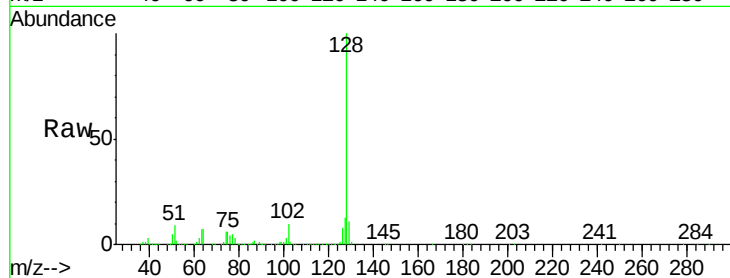
#79
Naphthalene
Concen: 10.82 ppbv
RT: 22.49 min Scan# 6657
Delta R.T. -0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	11.2	8.6	13.0

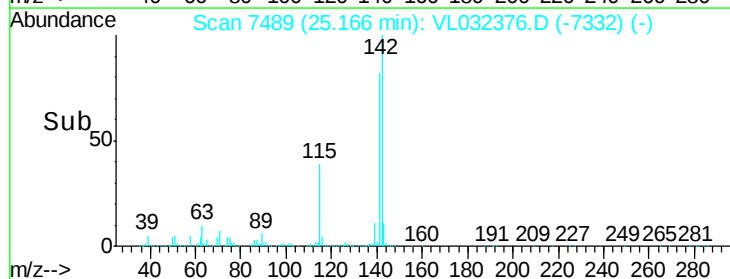
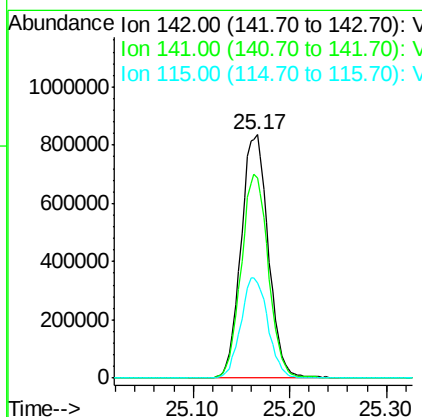
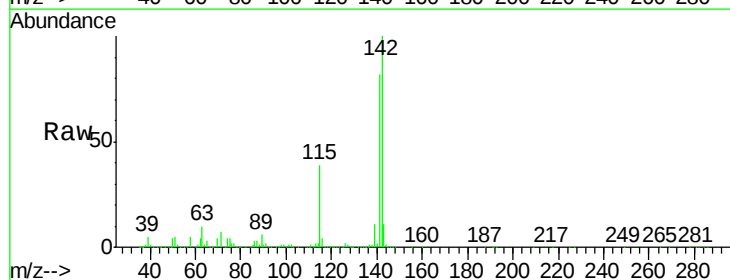
Manual Integrations
APPROVED

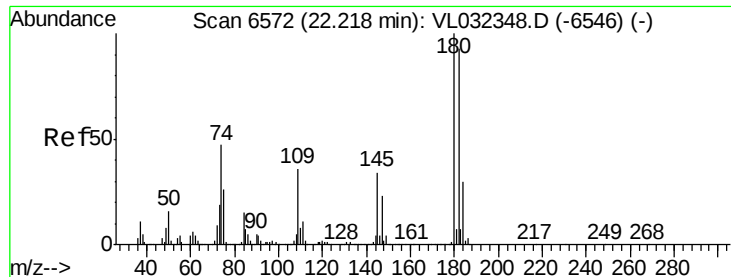
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8/17/2018 2:07:00 PM



#80
Naphthalene, 2-methyl-
Concen: 22.25 ppbv
RT: 25.17 min Scan# 7489
Delta R.T. 0.00 min
Lab File: VL032376.D
Acq: 16 Aug 2018 8:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.6	66.7	100.1
115	41.1	31.0	46.6





#81
 1,2,4-Trichlorobenzene
 Concen: 12.23 ppbv
 RT: 22.21 min Scan# 6570
 Delta R.T. -0.01 min
 Lab File: VL032376.D
 Acq: 16 Aug 2018 8:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.1	114.1
184	30.2	24.2	36.2

Manual Integrations
 APPROVED

MMDadoda
 8/17/2018 2:07:00 PM

