

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050119\
 Data File : VL033621.D
 Acq On : 1 May 2019 17:26
 Operator : SY/AP
 Sample : VSTDICV010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050119

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 4:04:22 PM

Quant Time: May 02 06:41:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 06:41:08 2019
 QLast Update : Thu May 02 06:29:02 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	1167323	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2846278	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3102669m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	2356855	9.98	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.07	85	1696371	9.643	ppbv	99
3) Chlorodifluoromethane	3.01	51	1251544	8.967	ppbv	99
4) Chloromethane	3.17	50	705083	9.275	ppbv	99
5) Vinyl Chloride	3.29	62	693995	8.701	ppbv	100
6) Bromomethane	3.51	94	446658	9.516	ppbv	96
7) Chloroethane	3.60	64	262084	9.857	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1763605	9.215	ppbv	100
9) Propene	3.03	41	556928	13.936	ppbv	84
10) Heptane	8.24	43	1473875	9.974	ppbv	99
11) Trichlorofluoromethane	4.00	101	2017359	9.648	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.55	101	1433529	9.996	ppbv	100
13) Ethanol	3.64	45	131922	7.281	ppbv	98
14) Bromoethene	3.78	108	577376	9.809	ppbv	99
15) Acetone	3.90	43	1243161	8.748	ppbv	99
16) 1,3-Butadiene	3.36	39	623297	9.745	ppbv	100
17) tert-Butyl alcohol	4.35	59	1120230	9.129	ppbv	99
18) 1,1-Dichloroethene	4.35	96	616644	9.895	ppbv	96
19) Isopropyl Alcohol	4.02	45	869202	8.911	ppbv	100
20) Methylene Chloride	4.41	84	508589	9.183	ppbv	93
21) Allyl Chloride	4.47	41	899224	10.059	ppbv	98
22) trans-1,2-Dichloroethene	4.96	96	654626	10.725	ppbv	97
23) Vinyl Acetate	5.15	43	2166795	10.253	ppbv	99
24) 1,1-Dichloroethane	5.09	63	1499299	9.530	ppbv	99
25) Ethyl Acetate	5.76	43	2498695	9.264	ppbv	100
26) Hexane	5.78	57	1101130	9.695	ppbv	98
27) Carbon Disulfide	4.62	76	1583431	11.512	ppbv	98
28) Methyl tert-Butyl Ether	5.11	73	1951993	10.192	ppbv	99
29) Chloroform	5.85	83	1880084	9.032	ppbv	98
30) Cyclohexane	7.24	84	982828	10.222	ppbv	99
31) cis-1,2-Dichloroethene	5.64	61	1155001	10.076	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	1969594	9.040	ppbv	100
34) 2-Butanone	5.33	43	1672216	9.570	ppbv	100
35) Carbon Tetrachloride	7.13	117	2085932	9.251	ppbv	100
36) Benzene	7.00	78	2394857	9.875	ppbv	99
37) 1,2-Dichloroethane	6.41	62	1466324	9.099	ppbv	99
38) Trichloroethene	7.96	130	925231	9.566	ppbv	98
39) 1,2-Dichloropropane	7.73	63	879685	9.619	ppbv	96
40) 1,4-Dioxane	7.95	88	351705	9.465	ppbv	88
41) Tetrahydrofuran	6.15	42	947793	10.157	ppbv	99
42) Bromodichloromethane	7.91	83	2067250	9.479	ppbv	99
43) Methyl Methacrylate	8.13	69	942072	10.258	ppbv	99

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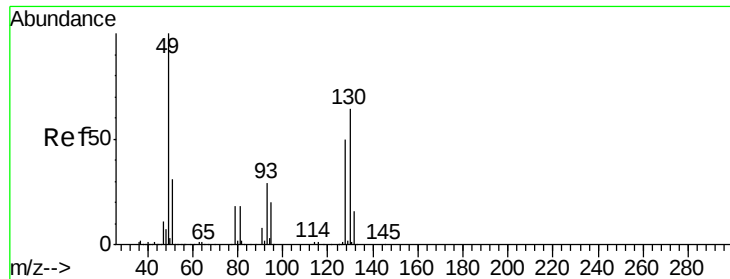
Manual Integrations
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Quant Time: May 02 06:41:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050119AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 02 06:41:08 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.99	57	3930018	9.299	ppbv	100
45) t-1,3-Dichloropropene	9.41	75	1290454	10.580	ppbv	98
46) cis-1,3-Dichloropropene	8.83	75	1458423	10.601	ppbv	98
47) 1,1,2-Trichloroethane	9.61	97	982358	8.236	ppbv	99
48) Dibromochloromethane	10.45	129	1774257	8.795	ppbv	99
49) Bromoform	13.20	173	1586457	10.265	ppbv	99
50) 4-Methyl-2-Pentanone	8.86	43	2573616	9.400	ppbv	100
51) 2-Hexanone	10.26	43	2124259	8.837	ppbv #	100
52) Tetrachloroethene	11.37	164	907368	9.731	ppbv	96
53) Toluene	9.94	91	2762618	9.027	ppbv	100
54) 1,2-Dibromoethane	10.76	107	1559928	9.508	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.28	131	1191804	8.918	ppbv #	56
57) Chlorobenzene	12.30	112	2109444	8.859	ppbv	95
58) Ethyl Benzene	12.86	91	3831590	10.725	ppbv	100
59) m/p-Xylene	13.15	91	6329047m	20.592	ppbv	
60) o-Xylene	13.85	91	3159127	10.175	ppbv	100
61) Styrene	13.68	104	2404852	11.332	ppbv	100
62) Isopropylbenzene	14.82	105	4251272	10.246	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.83	83	2168669	8.948	ppbv	99
64) n-propylbenzene	15.72	120	1101755	10.237	ppbv	99
65) tert-Butylbenzene	16.91	119	3897323	10.044	ppbv	99
66) Benzyl Chloride	17.15	91	2097787	11.921	ppbv	100
67) sec-Butylbenzene	17.45	105	5465182	10.029	ppbv	100
69) p-Isopropyltoluene	17.81	119	4620128	10.191	ppbv	100
70) n-Butylbenzene	18.71	91	4882228	9.895	ppbv	100
71) 2-Chlorotoluene	15.61	91	3243551	10.452	ppbv	100
72) 4-Ethyltoluene	16.00	105	3776987	10.680	ppbv	100
73) 1,3,5-Trimethylbenzene	16.15	105	3585136	10.309	ppbv	99
74) 1,2,4-Trimethylbenzene	16.92	105	3764126	9.704	ppbv	96
75) 1,3-Dichlorobenzene	17.16	146	2212659	9.163	ppbv	100
76) 1,4-Dichlorobenzene	17.30	146	2214141	9.617	ppbv	99
77) 1,2-Dichlorobenzene	17.98	146	2157825	9.606	ppbv	99
78) Hexachloro-1,3-Butadiene	23.54	225	1807390	10.523	ppbv	99
79) Naphthalene	22.41	128	3957143	11.062	ppbv	99
80) Naphthalene, 2-methyl-	25.11	142	1919503	12.378	ppbv	99
81) 1,2,4-Trichlorobenzene	22.13	180	2124690	10.242	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. 0.01 min

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Instrument :

MSVOA_L

ClientSampleId :

ICVVL050119

Tot Ion: 49 Resp: 1167323

Ion Ratio Lower Upper

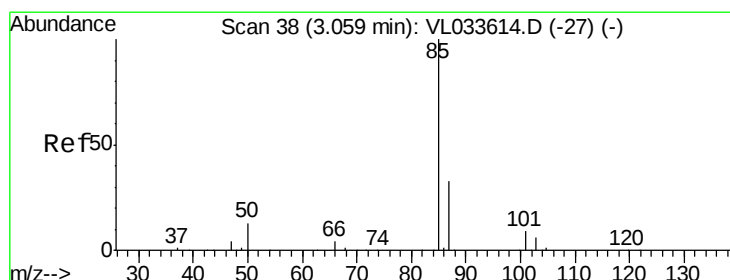
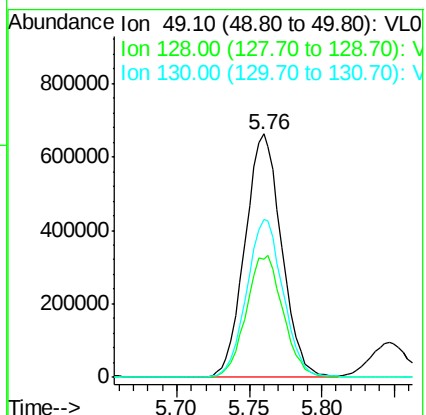
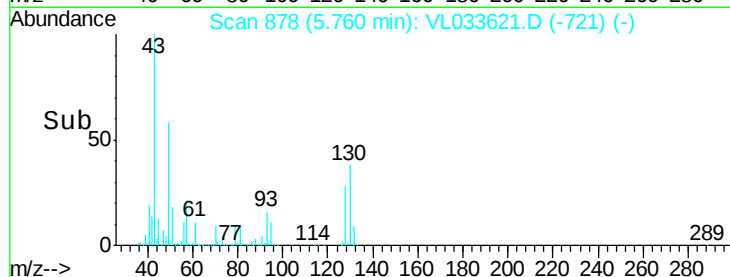
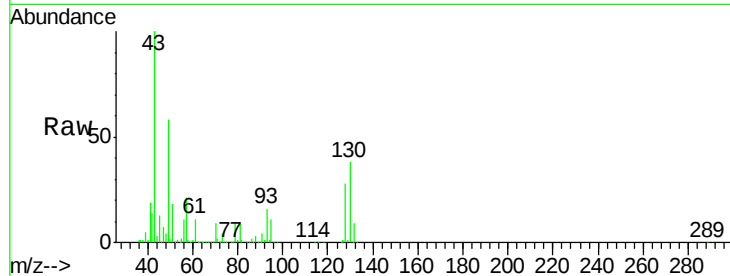
49 100

128 50.4 25.0 75.0

130 64.5 31.9 95.9

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#2

Dichlorodifluoromethane

Concen: 9.643 ppbv

RT: 3.07 min Scan# 43

Delta R.T. 0.02 min

Lab File: VL033621.D

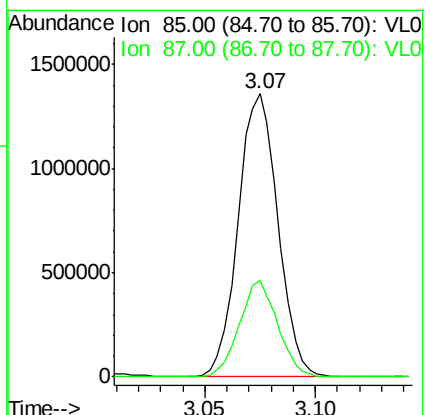
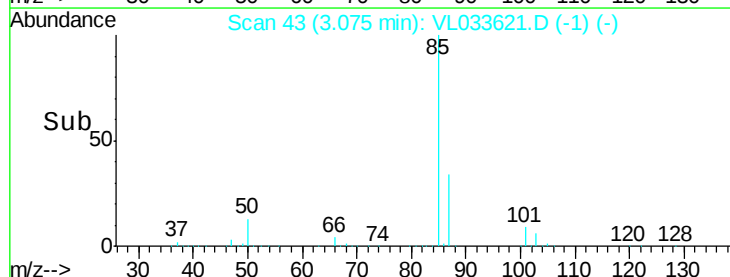
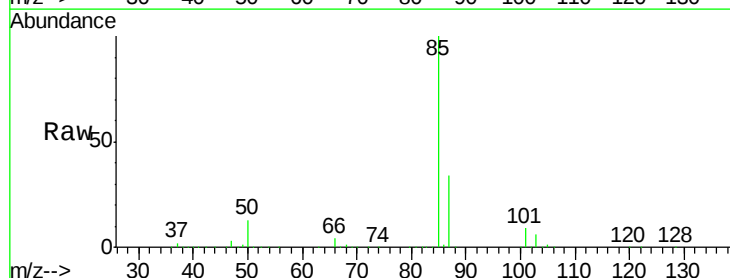
Acq: 1 May 2019 17:26

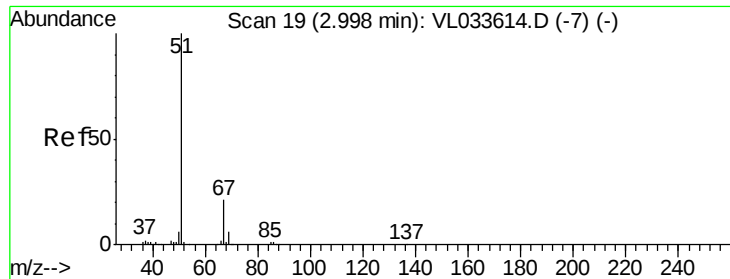
Tgt Ion: 85 Resp: 1696371

Ion Ratio Lower Upper

85 100

87 33.9 26.8 40.2





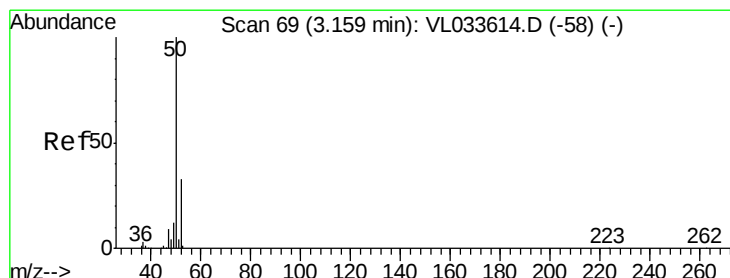
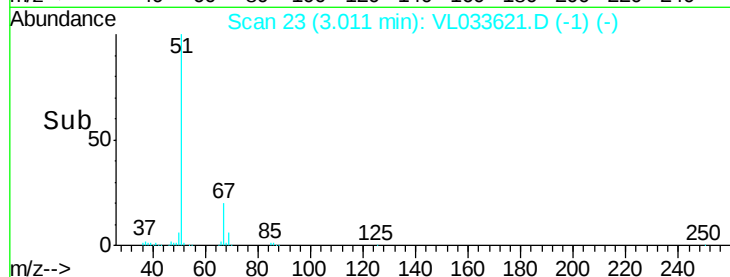
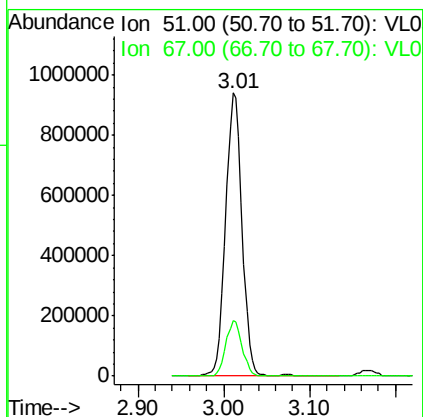
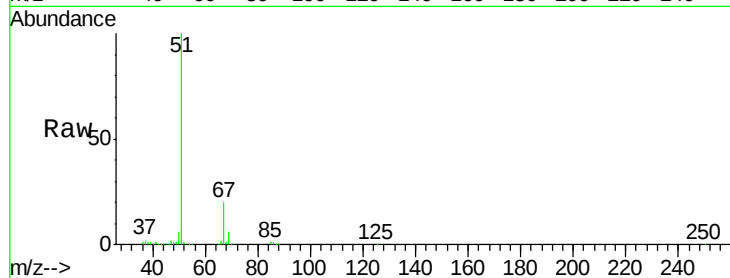
#3
Chlorodifluoromethane
Concen: 8.967 ppbv
RT: 3.01 min Scan# 23
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050119

Tot Ion: 51 Resp: 1251544
Ion Ratio Lower Upper
51 100
67 19.2 15.6 23.4

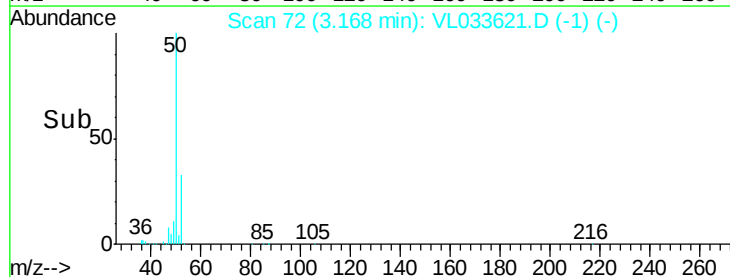
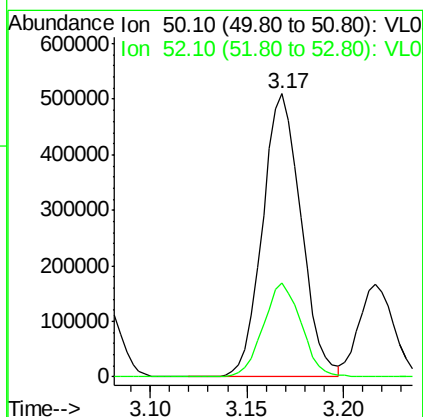
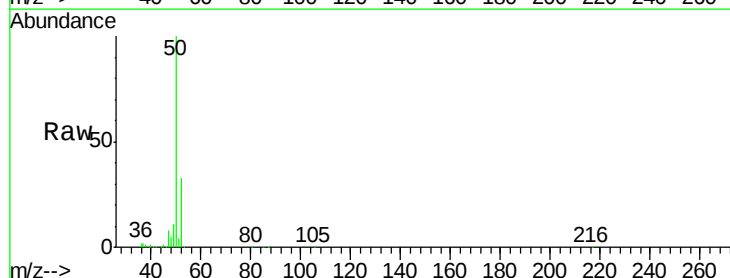
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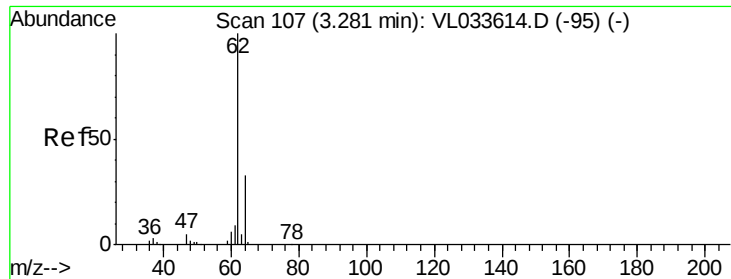
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#4
Chloromethane
Concen: 9.275 ppbv
RT: 3.17 min Scan# 72
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Tgt Ion: 50 Resp: 705083
Ion Ratio Lower Upper
50 100
52 33.1 26.0 39.0





#5

Vinyl Chloride

Concen: 8.701 ppbv

RT: 3.29 min Scan# 109

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050119

Tot Ion: 62 Resp: 693995

Ion Ratio Lower Upper

62 100

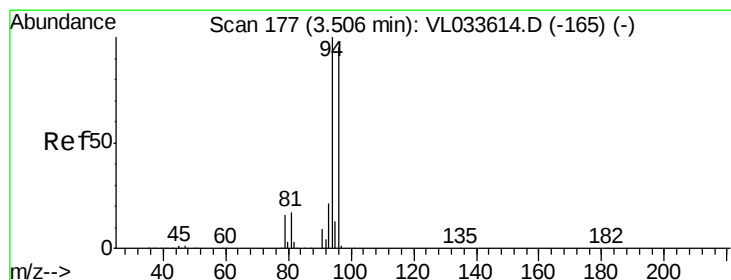
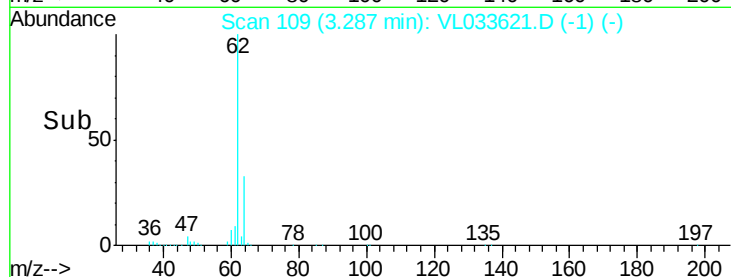
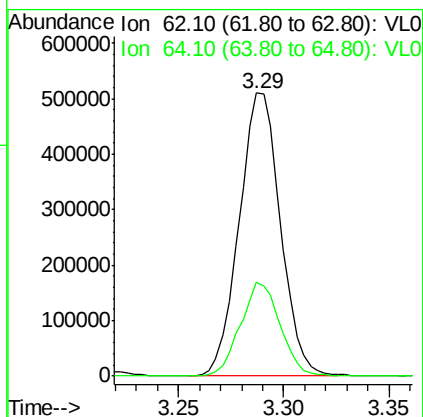
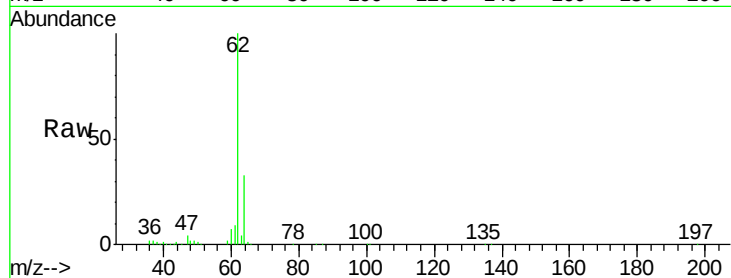
64 33.0 26.2 39.4

Manual Integrations

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5/2/2019 4:04:22 PM



#6

Bromomethane

Concen: 9.516 ppbv

RT: 3.51 min Scan# 179

Delta R.T. 0.01 min

Lab File: VL033621.D

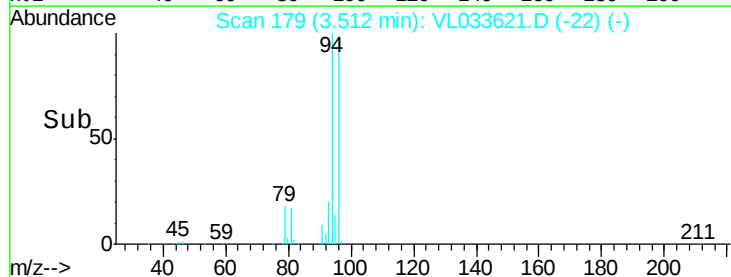
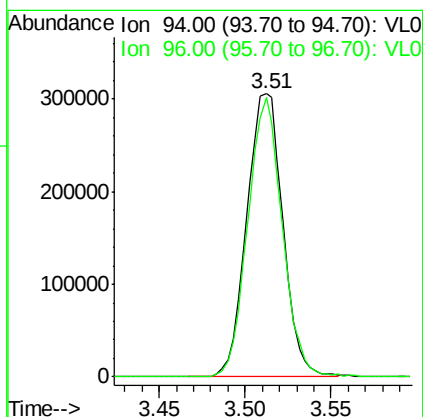
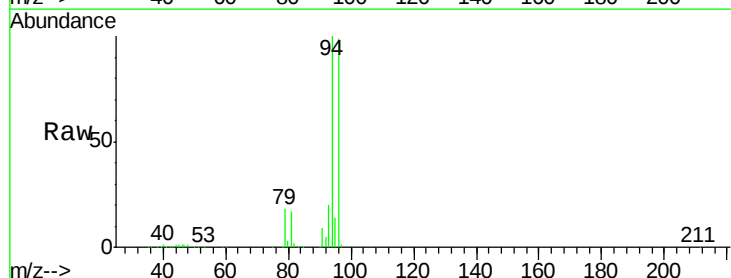
Acq: 1 May 2019 17:26

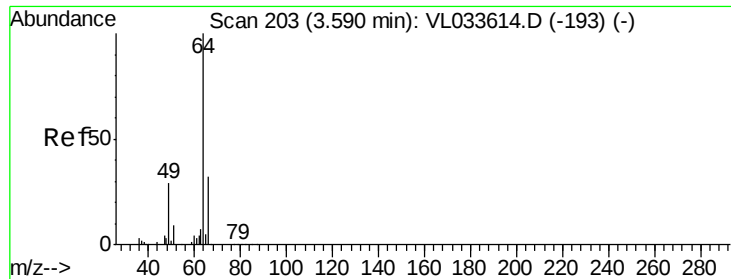
Tgt Ion: 94 Resp: 446658

Ion Ratio Lower Upper

94 100

96 98.7 75.7 113.5





#7

Chloroethane

Concen: 9.857 ppbv

RT: 3.60 min Scan# 206

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050119

Tot Ion: 64 Resp: 262084

Ion Ratio Lower Upper

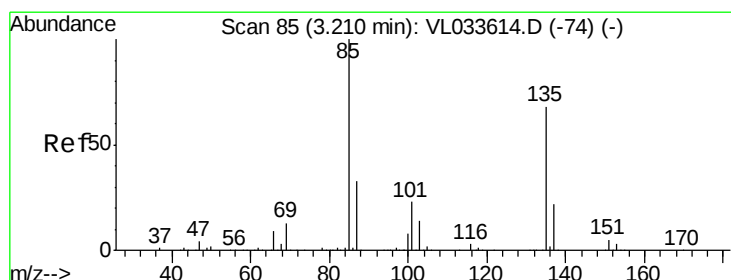
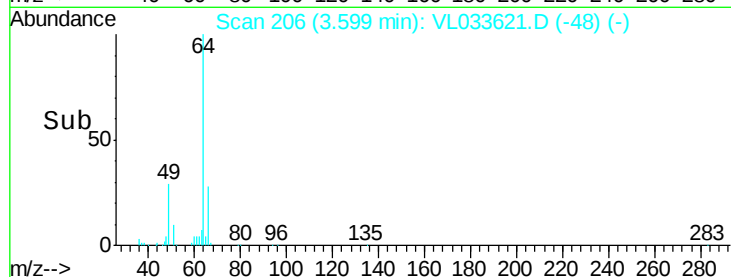
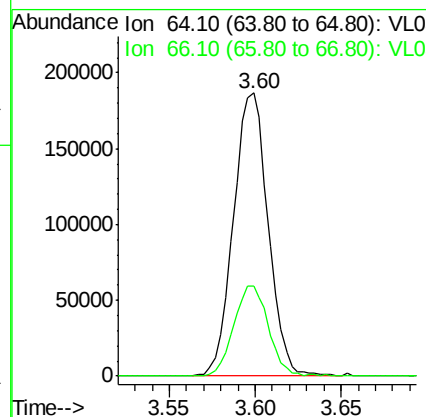
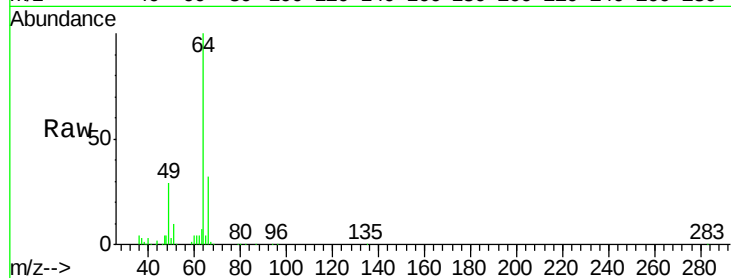
64 100

66 31.8 25.4 38.2

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#8

Dichlorotetrafluoroethane

Concen: 9.215 ppbv

RT: 3.22 min Scan# 87

Delta R.T. 0.01 min

Lab File: VL033621.D

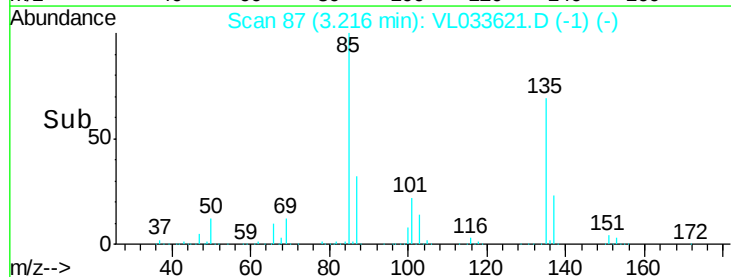
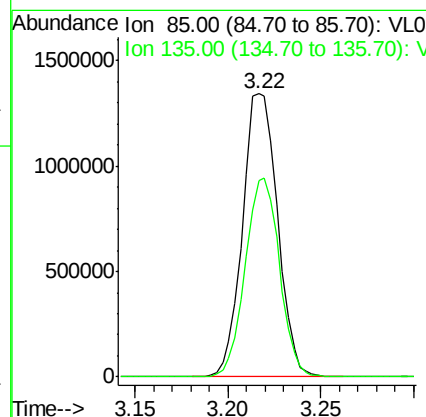
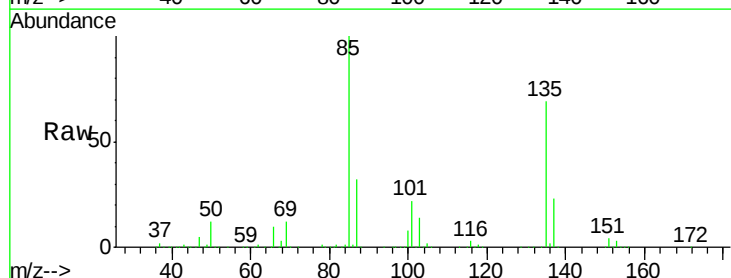
Acq: 1 May 2019 17:26

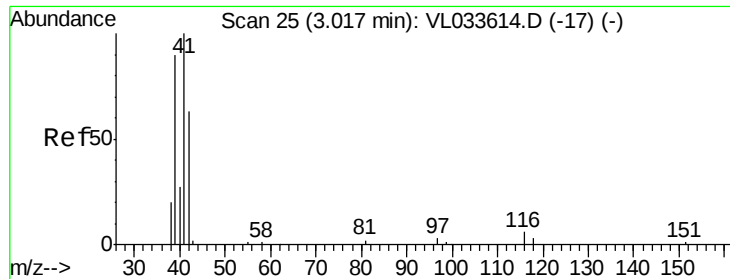
Tgt Ion: 85 Resp: 1763605

Ion Ratio Lower Upper

85 100

135 68.8 55.0 82.6





#9

Propene

Concen: 13.936 ppbv

RT: 3.03 min Scan# 30

Delta R.T. 0.02 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Tot Ion: 41 Resp: 556928

Ion Ratio Lower Upper

41 100

42 68.2 66.0 99.0

Instrument :

MSVOA_L

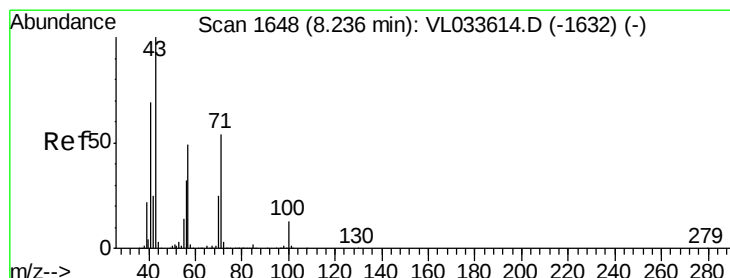
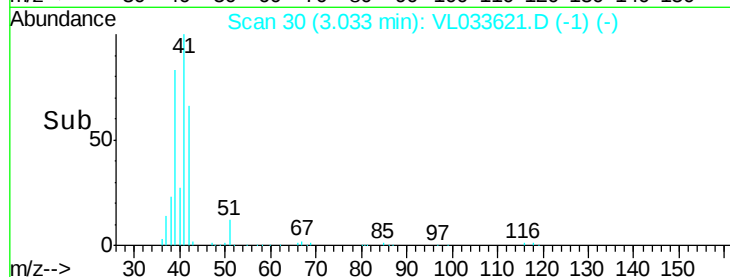
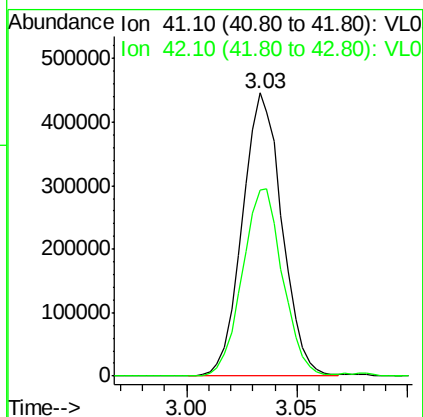
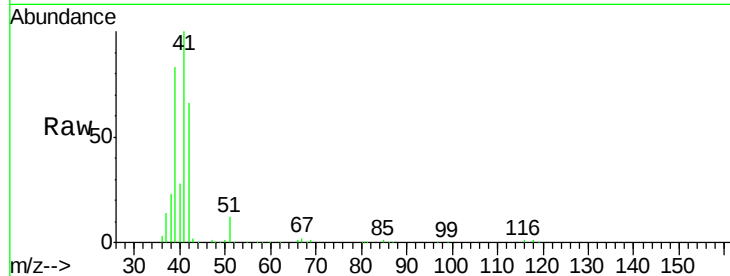
ClientSampleId :

ICVVL050119

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5/2/2019 4:04:22 PM



#10

Heptane

Concen: 9.974 ppbv

RT: 8.24 min Scan# 1650

Delta R.T. 0.01 min

Lab File: VL033621.D

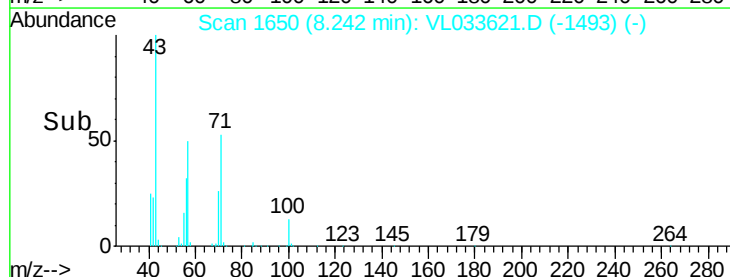
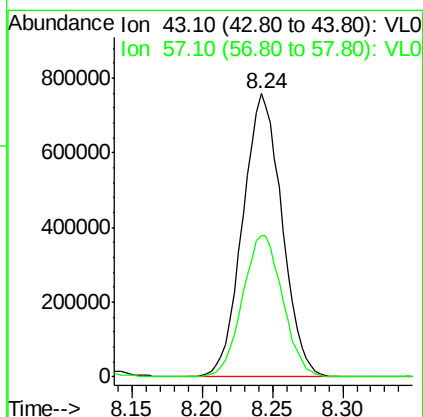
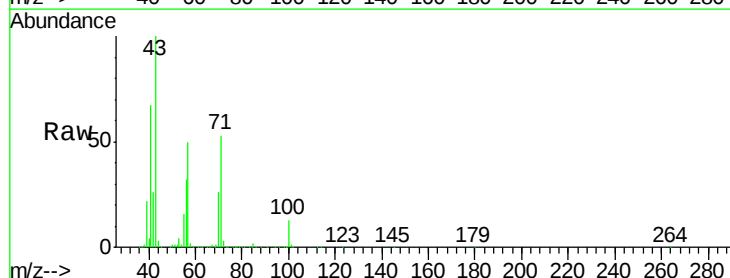
Acq: 1 May 2019 17:26

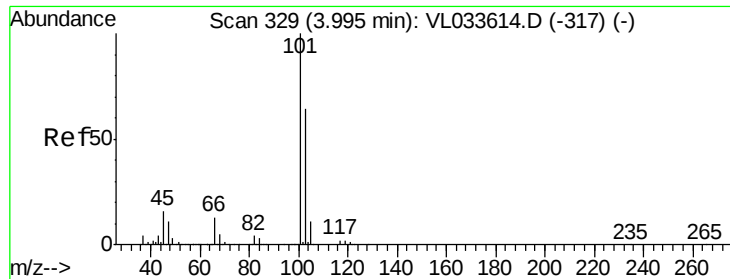
Tgt Ion: 43 Resp: 1473875

Ion Ratio Lower Upper

43 100

57 51.2 40.3 60.5





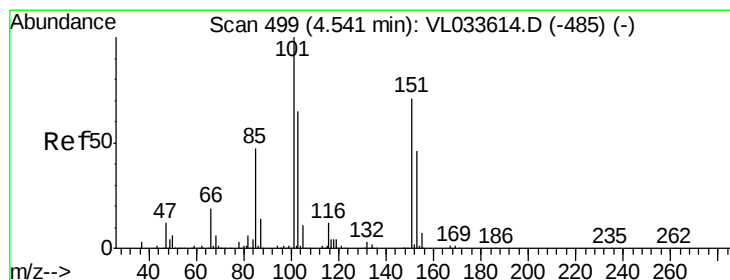
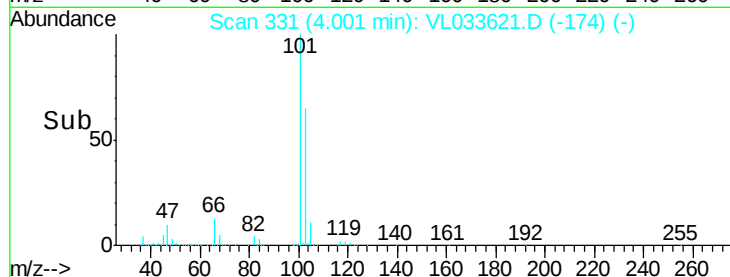
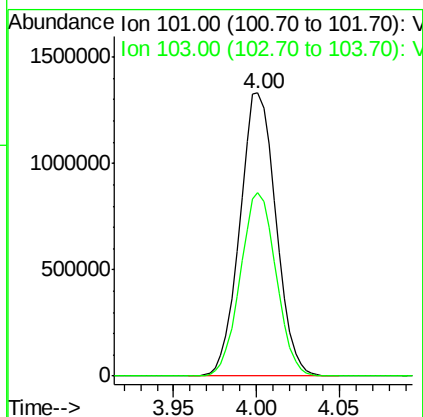
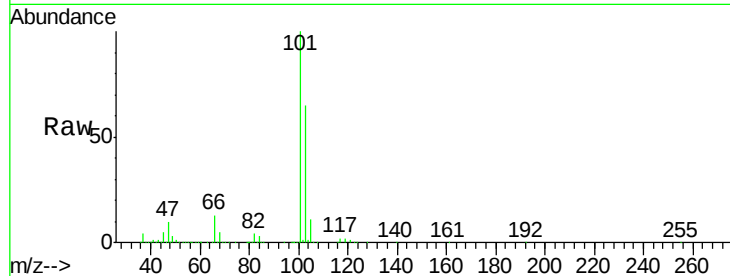
#11
 Trichlorofluoromethane
 Concen: 9.648 ppbv
 RT: 4.00 min Scan# 331
 Delta R.T. 0.01 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050119

Tot Ion:101 Resp: 2017359
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.2 76.8

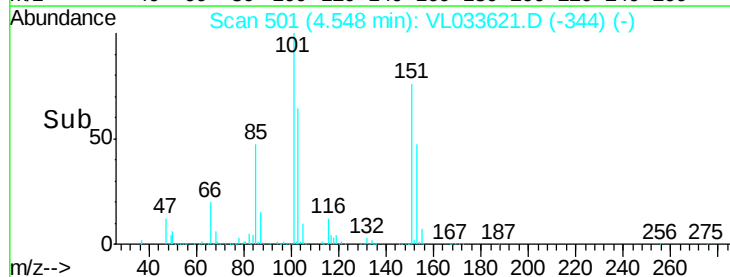
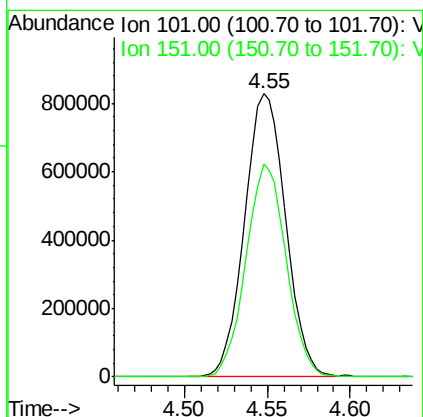
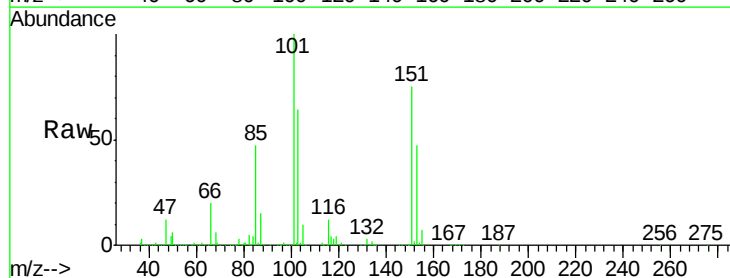
Manual Integrations
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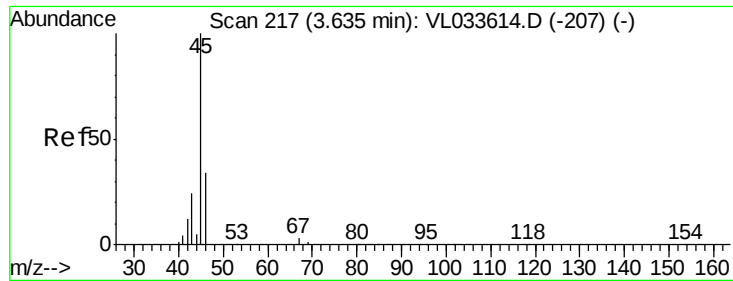
MMDadoda
 5/2/2019 4:04:22 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.996 ppbv
 RT: 4.55 min Scan# 501
 Delta R.T. 0.01 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Tgt Ion:101 Resp: 1433529
 Ion Ratio Lower Upper
 101 100
 151 73.7 59.2 88.8





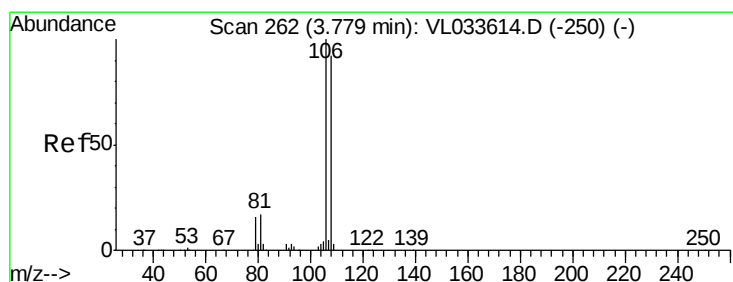
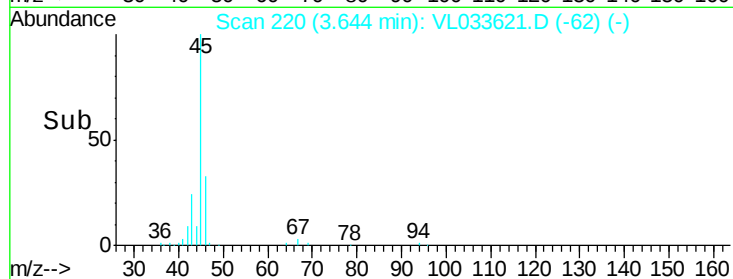
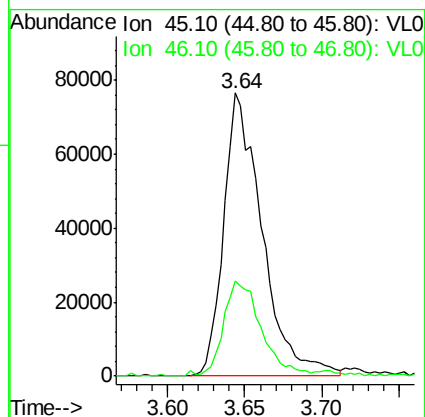
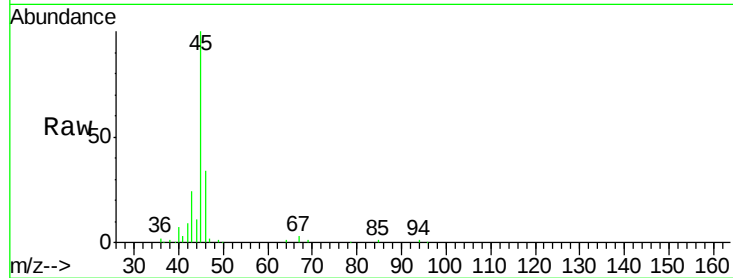
#13
Ethanol
Concen: 7.281 ppbv
RT: 3.64 min Scan# 220
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050119

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.1	14.6	58.2

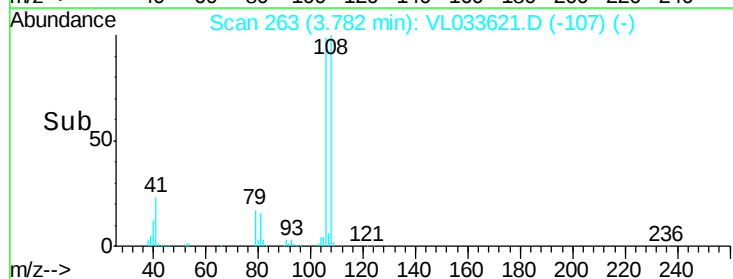
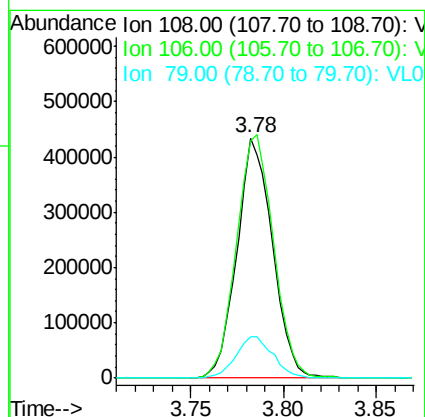
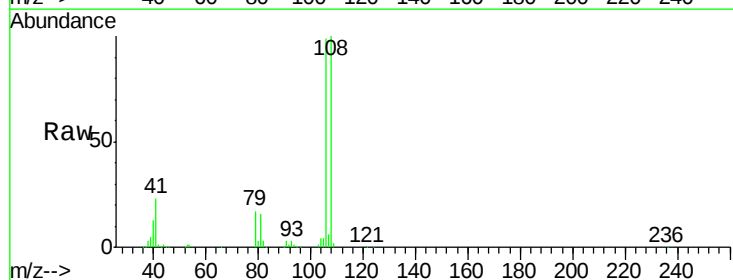
Manual Integrations
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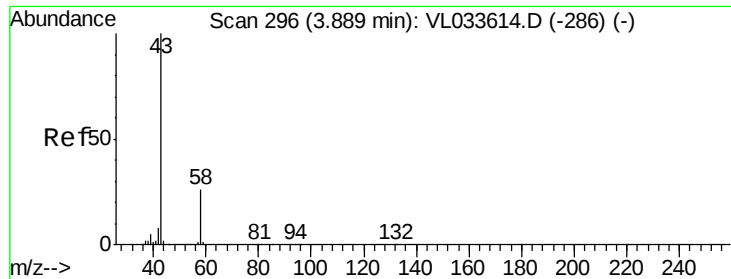
MMDadoda
5/2/2019 4:04:22 PM



#14
Bromoethene
Concen: 9.809 ppbv
RT: 3.78 min Scan# 263
Delta R.T. 0.00 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.8	84.6	127.0
79	18.4	14.4	21.6





#15

Acetone

Concen: 8.748 ppbv

RT: 3.90 min Scan# 299

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050119

Tot Ion: 43 Resp: 1243161

Ion Ratio Lower Upper

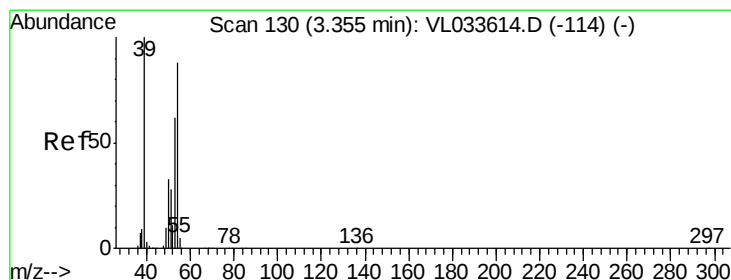
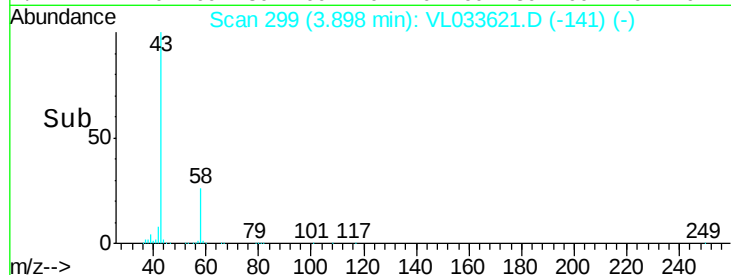
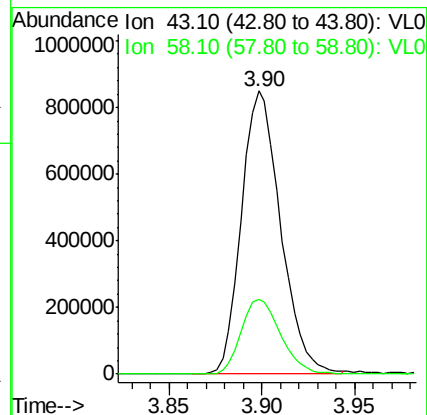
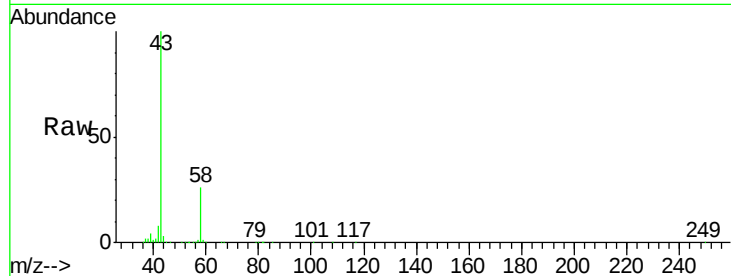
43 100

58 26.9 21.2 31.8

Manual Integrations
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5/2/2019 4:04:22 PM



#16

1,3-Butadiene

Concen: 9.745 ppbv

RT: 3.36 min Scan# 132

Delta R.T. 0.01 min

Lab File: VL033621.D

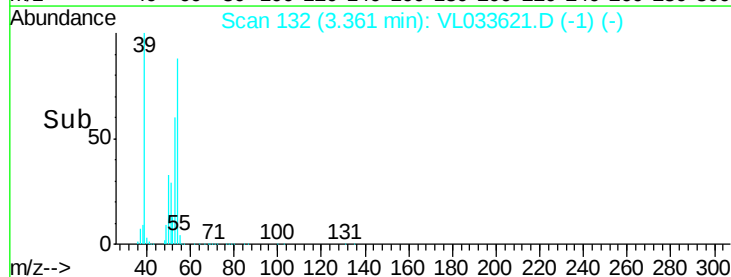
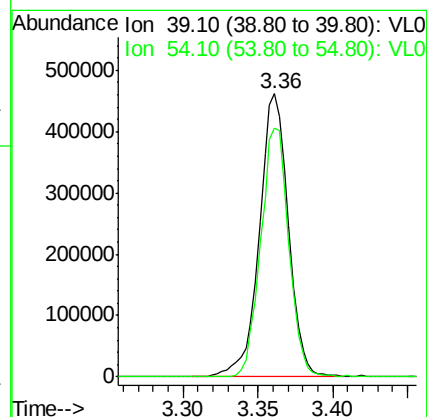
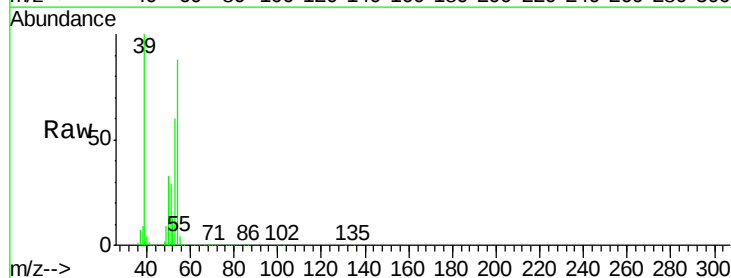
Acq: 1 May 2019 17:26

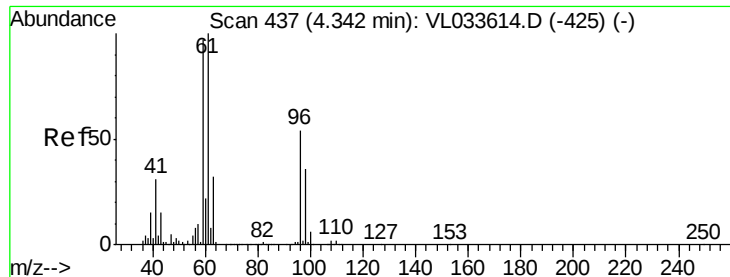
Tgt Ion: 39 Resp: 623297

Ion Ratio Lower Upper

39 100

54 85.5 68.4 102.6





#17

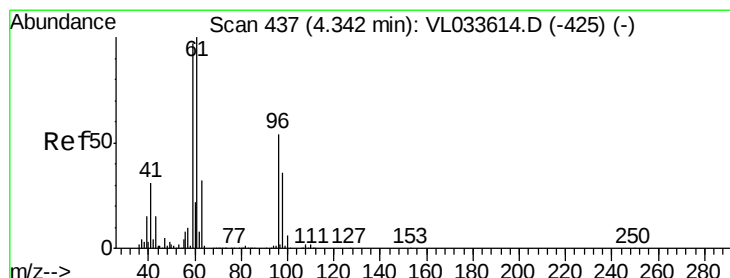
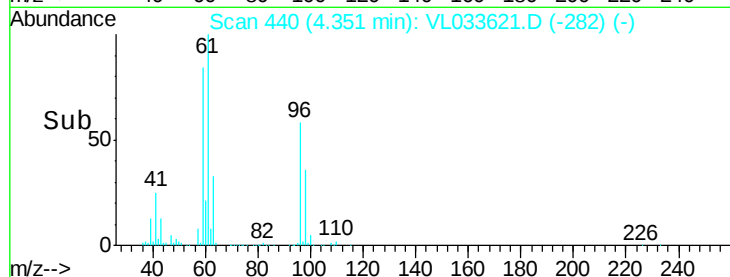
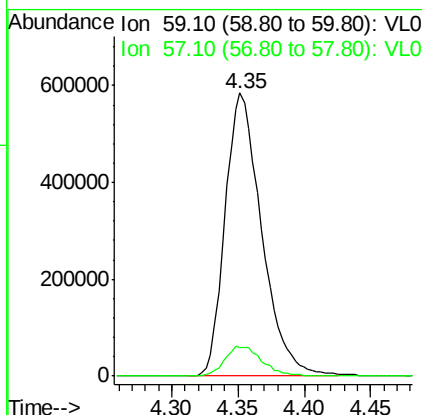
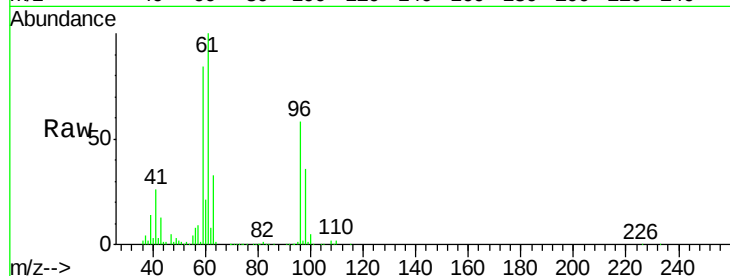
tert-Butyl alcohol
Concen: 9.129 ppbv
RT: 4.35 min Scan# 440
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050119

Tot Ion: 59 Resp: 1120230
Ion Ratio Lower Upper
59 100
57 10.8 8.4 12.6

Manual Integrations
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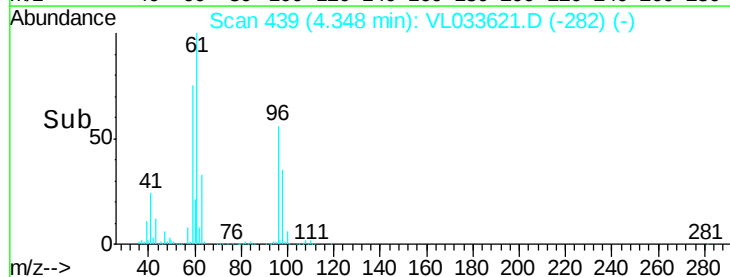
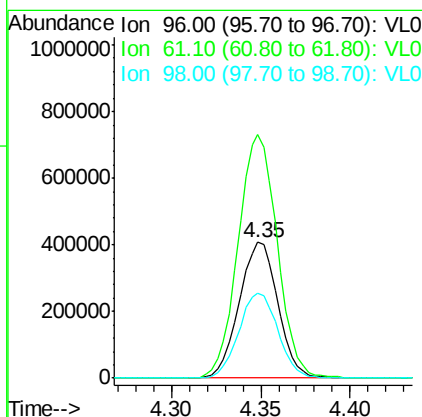
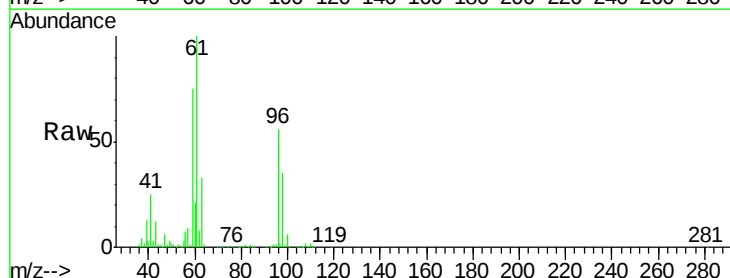
MMDadoda
5/2/2019 4:04:22 PM

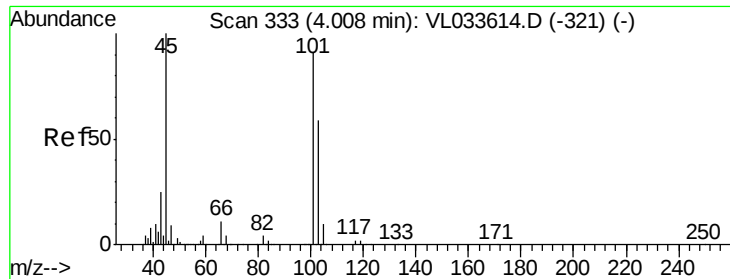


#18

1,1-Dichloroethene
Concen: 9.895 ppbv
RT: 4.35 min Scan# 439
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Tgt Ion: 96 Resp: 616644
Ion Ratio Lower Upper
96 100
61 179.2 147.3 220.9
98 62.7 53.6 80.4





#19

Isopropyl Alcohol

Concen: 8.911 ppbv

RT: 4.02 min Scan# 337

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Tot Ion: 45 Resp: 869202

Ion Ratio Lower Upper

45 100

58 2.2 1.8 2.6

Instrument :

MSVOA_L

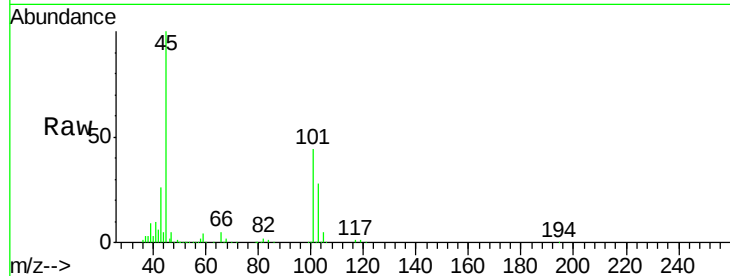
ClientSampleId :

ICVVL050119

Manual Integrations
APPROVED

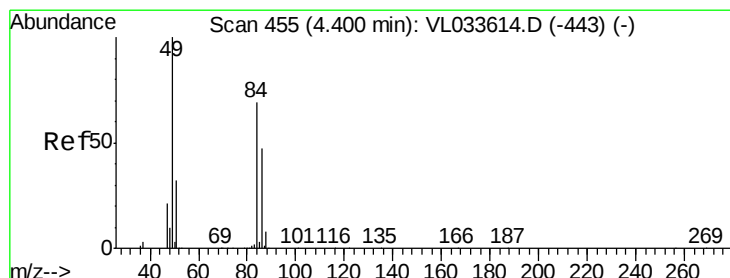
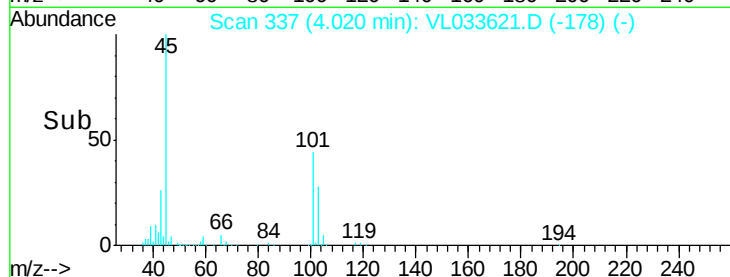
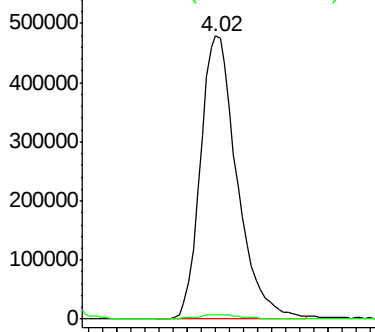
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.183 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Tgt Ion: 84 Resp: 508589

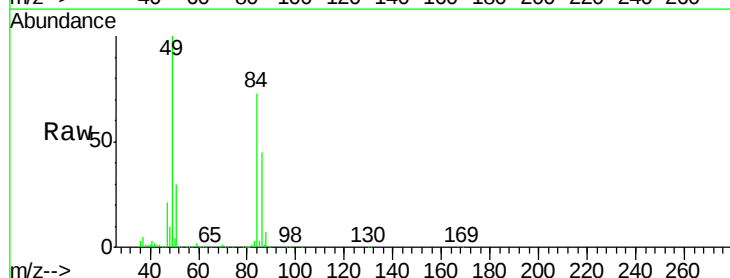
Ion Ratio Lower Upper

84 100

49 136.2 116.2 174.2

51 40.6 37.0 55.6

86 61.7 54.0 81.0

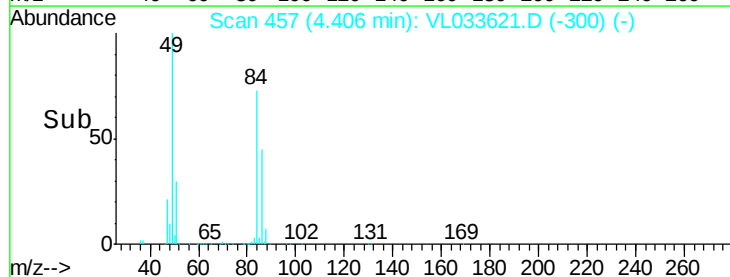
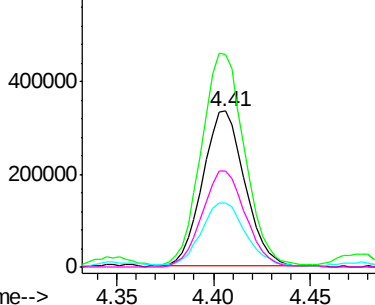


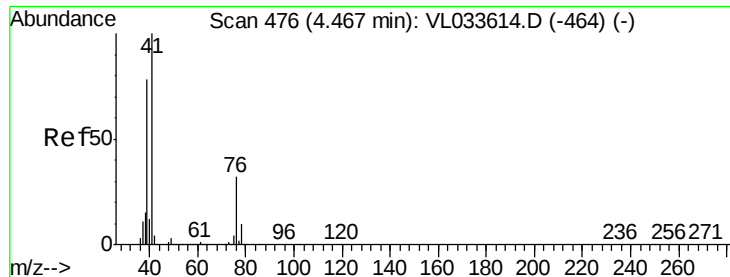
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 10.059 ppbv

RT: 4.47 min Scan# 478

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

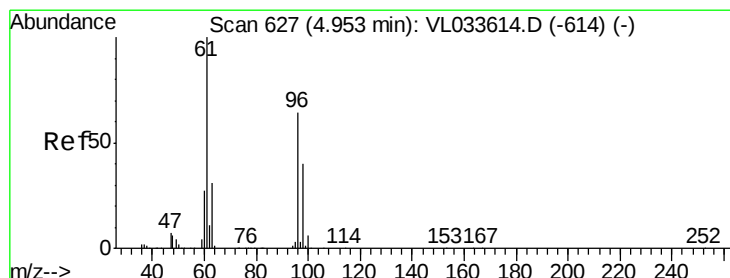
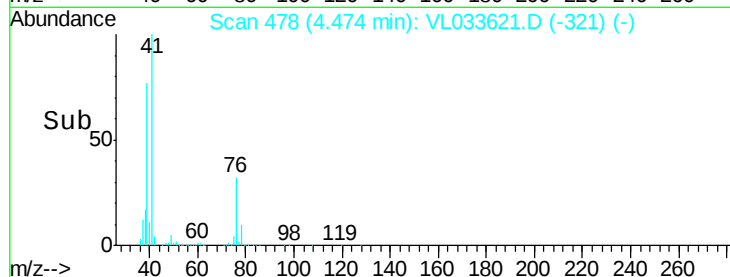
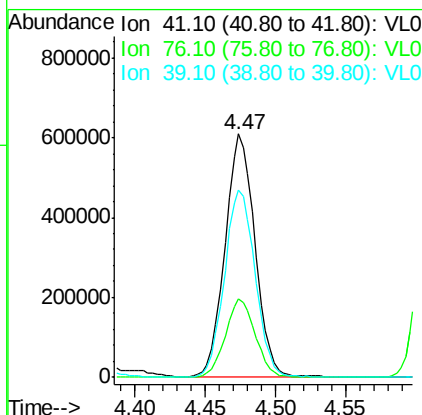
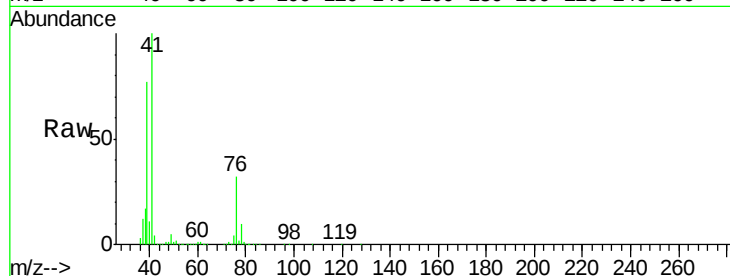
ClientSampleId :

ICVVL050119

Tot Ion:	41	Resp:	899224
Ion	Ratio	Lower	Upper
41	100		
76	32.3	25.0	37.6
39	79.3	64.6	96.8

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 10.725 ppbv

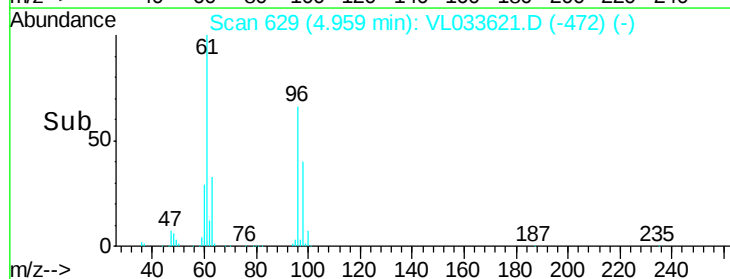
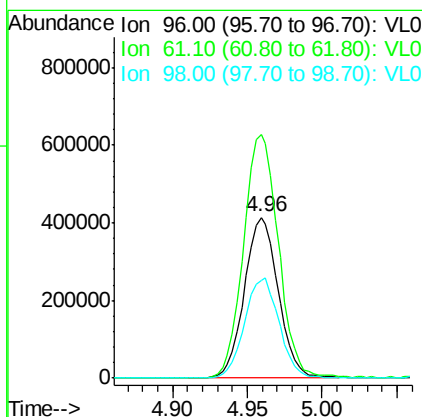
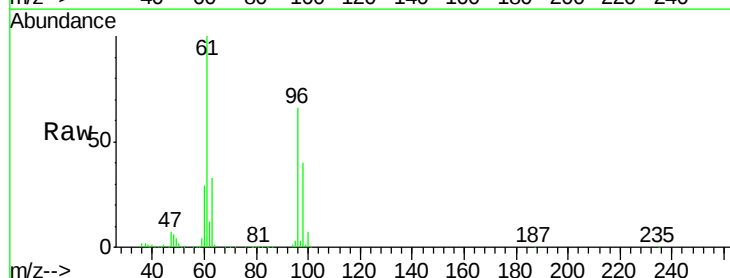
RT: 4.96 min Scan# 629

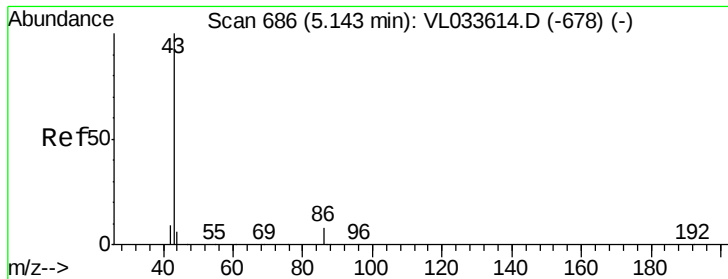
Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Tgt Ion:	96	Resp:	654626
Ion	Ratio	Lower	Upper
96	100		
61	151.2	124.9	187.3
98	61.0	50.5	75.7





#23

Vinyl Acetate

Concen: 10.253 ppbv

RT: 5.15 min Scan# 689

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050119

Tot Ion: 43 Resp: 2166795

Ion Ratio Lower Upper

43 100

86 7.4 5.8 8.8

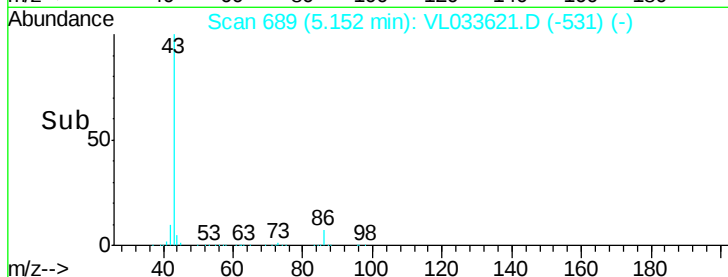
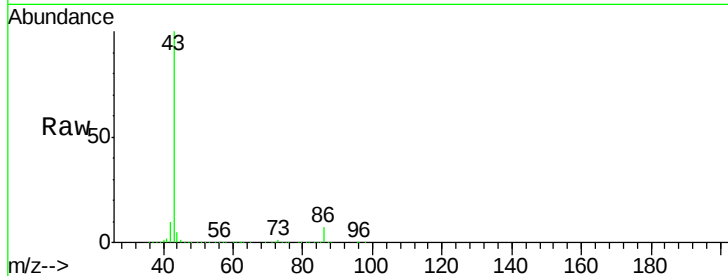
42 9.9 7.8 11.8

44 5.2 4.6 7.0

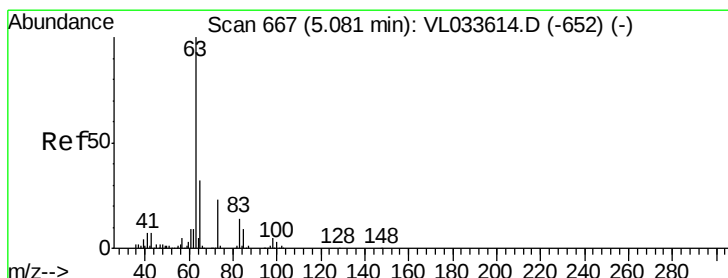
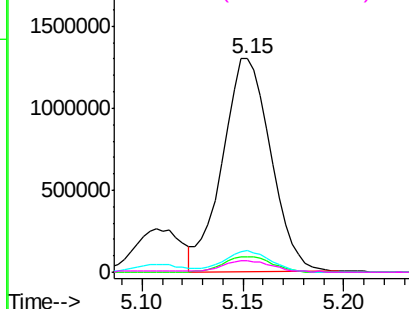
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.530 ppbv

RT: 5.09 min Scan# 669

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

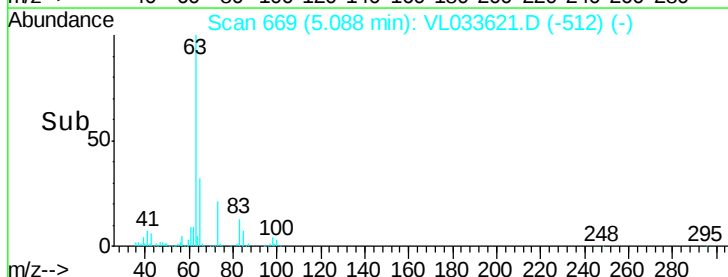
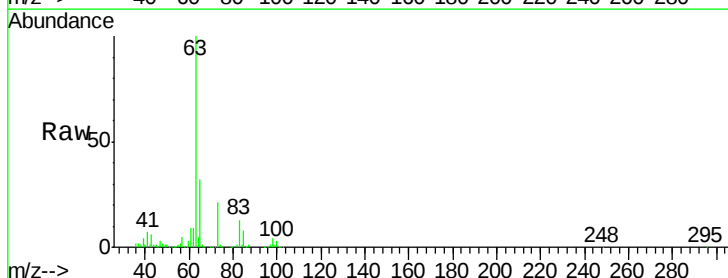
Tgt Ion: 63 Resp: 1499299

Ion Ratio Lower Upper

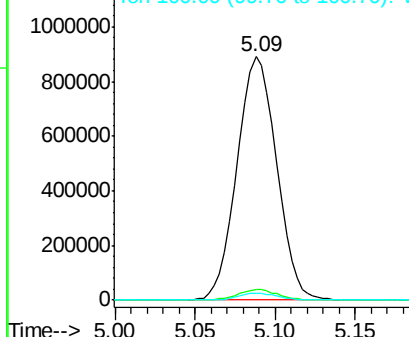
63 100

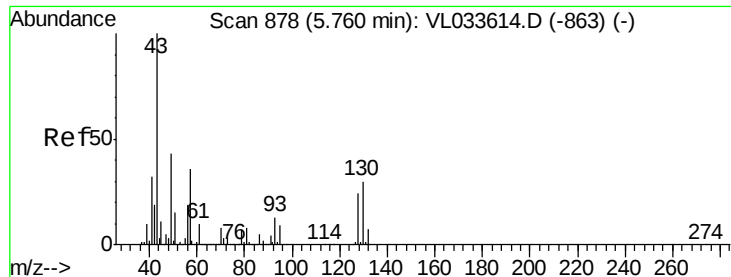
98 4.3 2.4 7.2

100 2.7 1.4 4.0



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.264 ppbv

RT: 5.76 min Scan# 879

Delta R.T. 0.00 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050119

Tot Ion: 43 Resp: 2498695

Ion Ratio Lower Upper

43 100

45 10.2 8.1 12.1

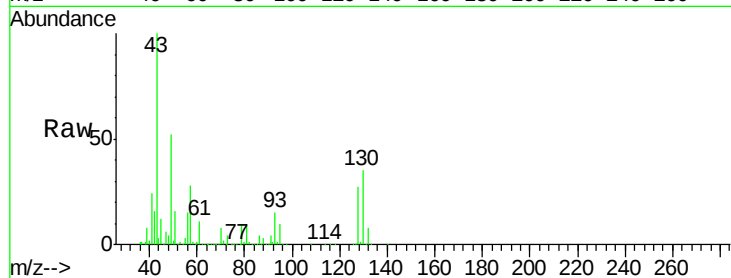
61 9.5 7.5 11.3

70 7.3 5.8 8.6

Manual Integrations
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MMDadoda

5/2/2019 4:04:22 PM

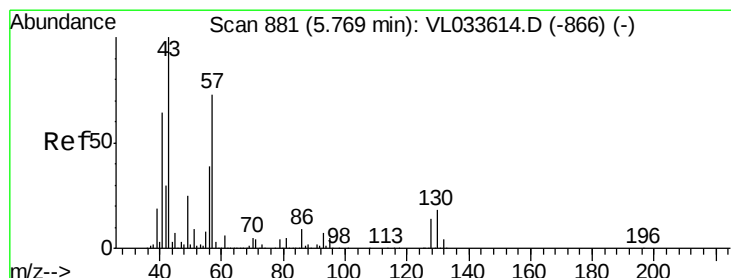
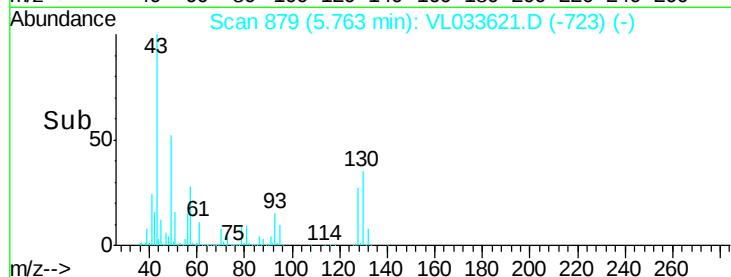
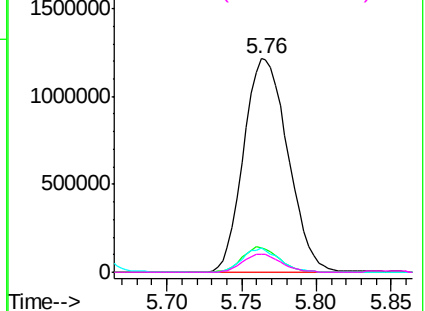


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.695 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Tgt Ion: 57 Resp: 1101130

Ion Ratio Lower Upper

57 100

41 87.0 70.6 106.0

43 228.1 186.0 279.0

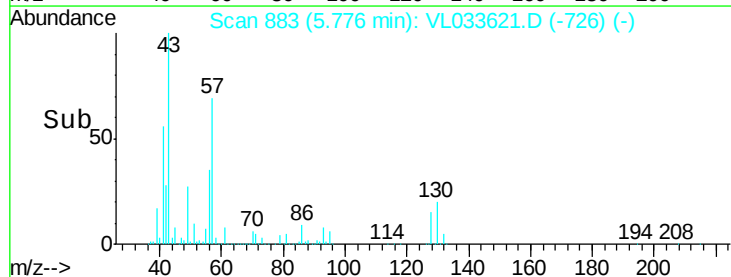
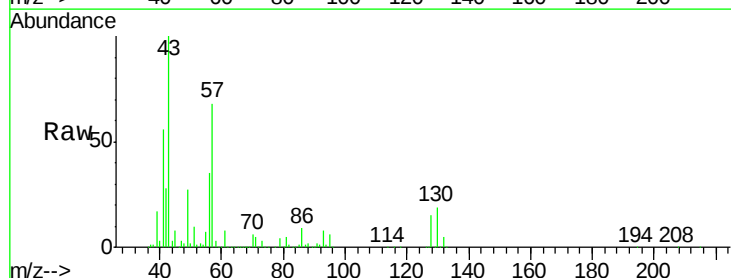
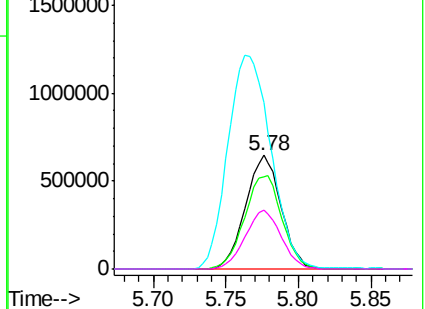
56 52.3 42.7 64.1

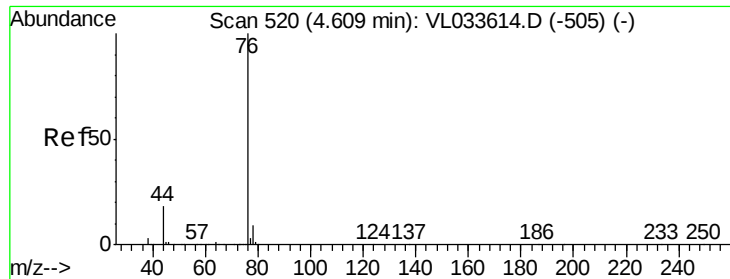
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





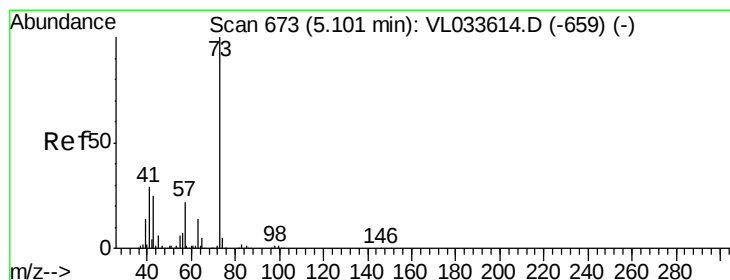
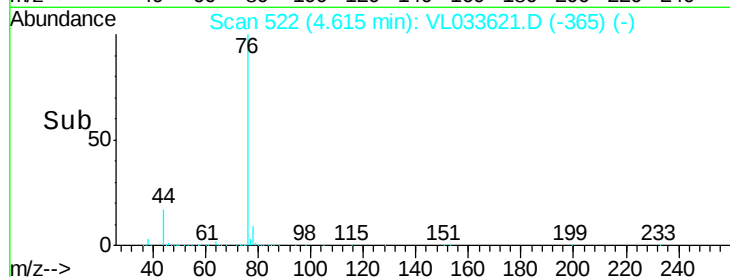
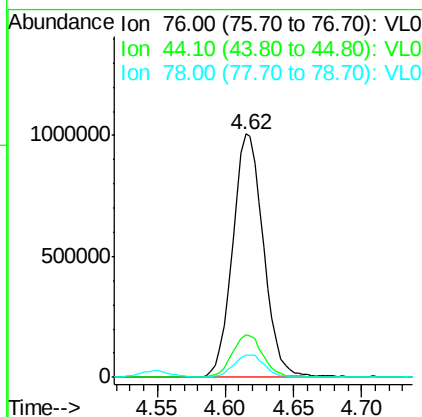
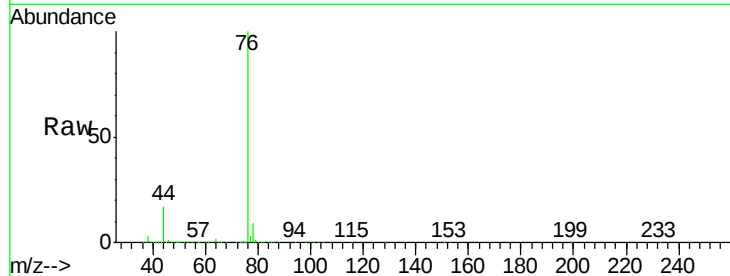
#27
Carbon Disulfide
Concen: 11.512 ppbv
RT: 4.62 min Scan# 522
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050119

Tot Ion	Ratio	Lower	Upper
76	100		
44	16.9	14.3	21.5
78	9.3	7.5	11.3

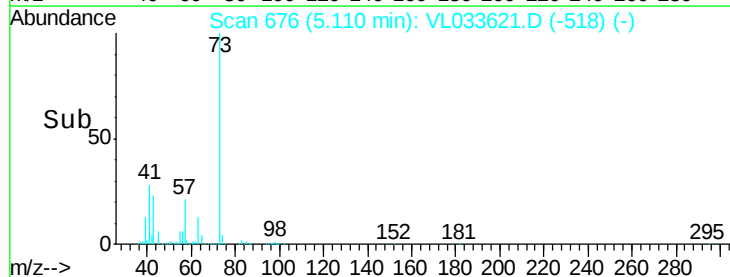
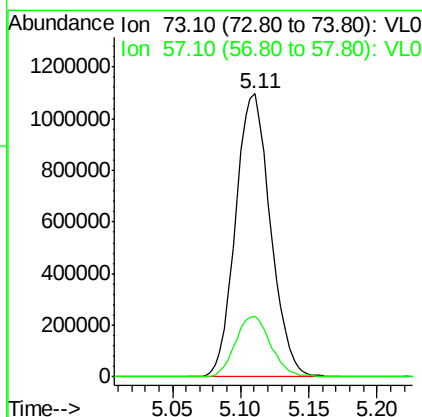
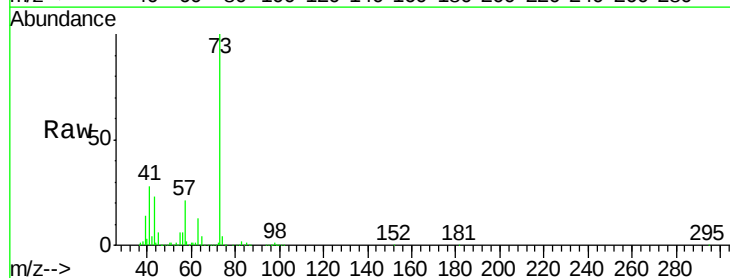
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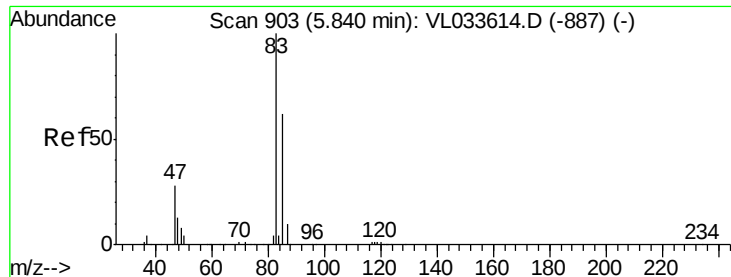
MMDadoda
5/2/2019 4:04:22 PM



#28
Methyl tert-Butyl Ether
Concen: 10.192 ppbv
RT: 5.11 min Scan# 676
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Tgt Ion	Ratio	Lower	Upper
73	100		
57	21.9	17.8	26.8





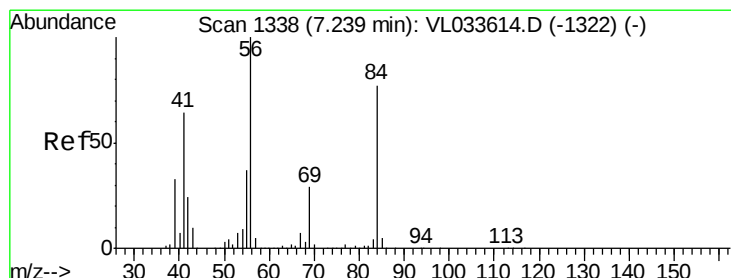
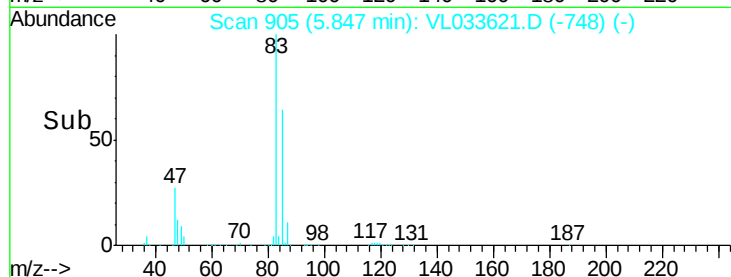
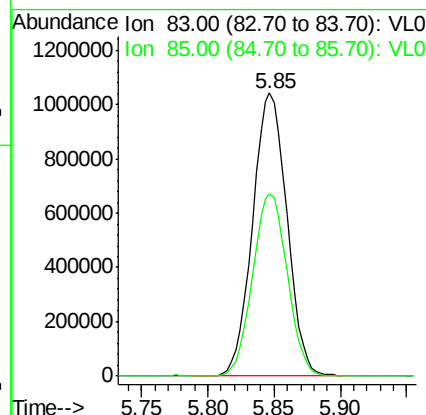
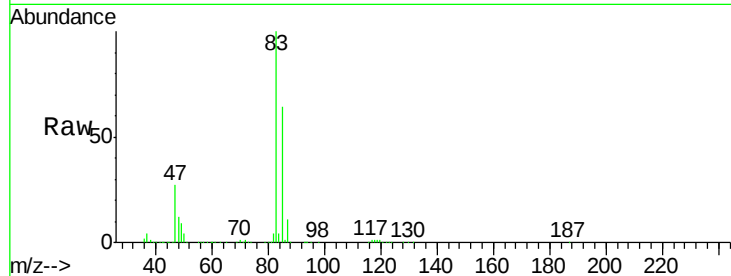
#29
Chloroform
Concen: 9.032 ppbv
RT: 5.85 min Scan# 905
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050119

Tot Ion: 83 Resp: 1880084
Ion Ratio Lower Upper
83 100
85 64.3 49.9 74.9

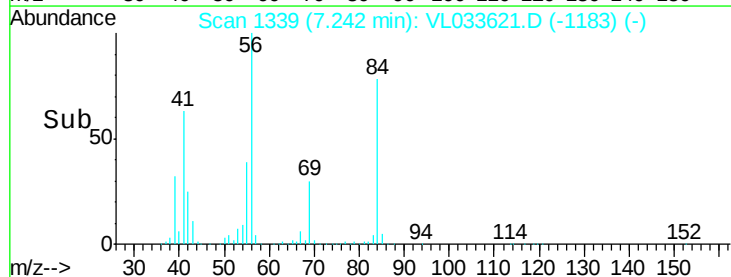
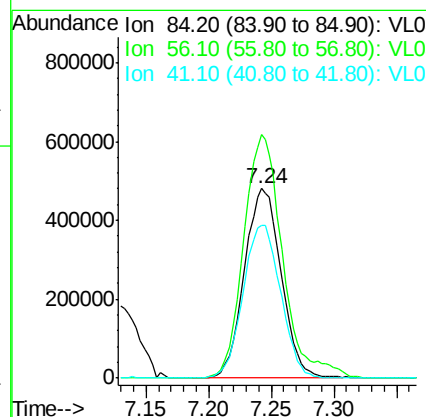
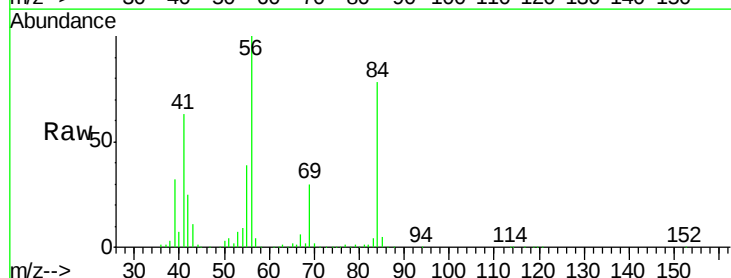
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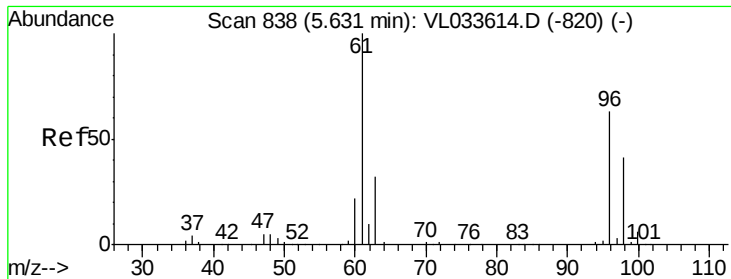
MMDadoda
5/2/2019 4:04:22 PM



#30
Cyclohexane
Concen: 10.222 ppbv
RT: 7.24 min Scan# 1339
Delta R.T. 0.00 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Tgt Ion: 84 Resp: 982828
Ion Ratio Lower Upper
84 100
56 135.7 108.4 162.6
41 82.3 67.0 100.4





#31

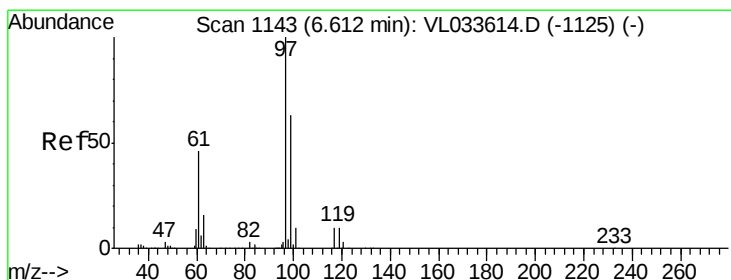
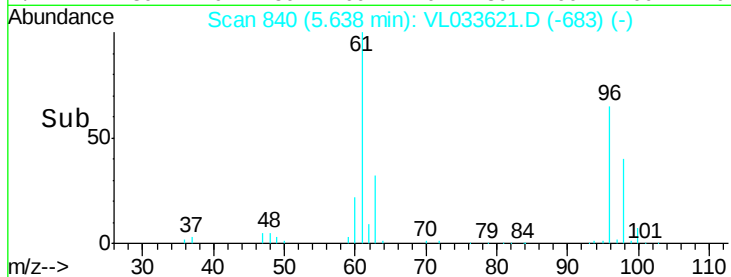
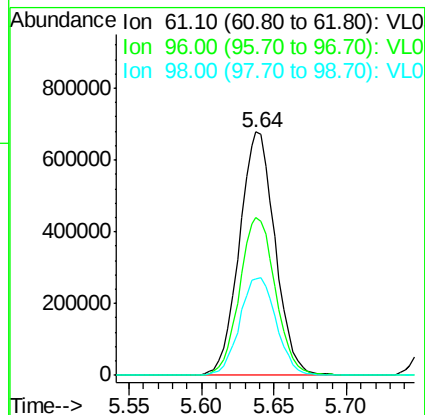
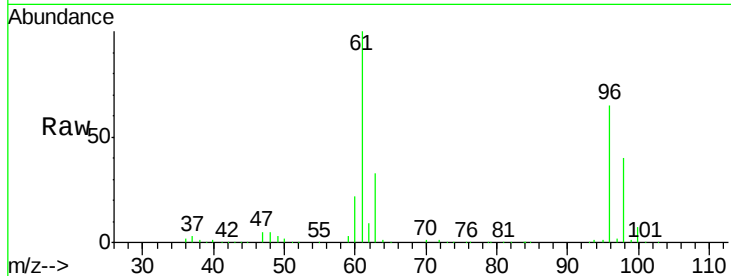
cis-1,2-Dichloroethene
Concen: 10.076 ppbv
RT: 5.64 min Scan# 840
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050119

Tot Ion: 61 Resp: 1155001
Ion Ratio Lower Upper
61 100
96 64.6 50.6 76.0
98 39.8 32.8 49.2

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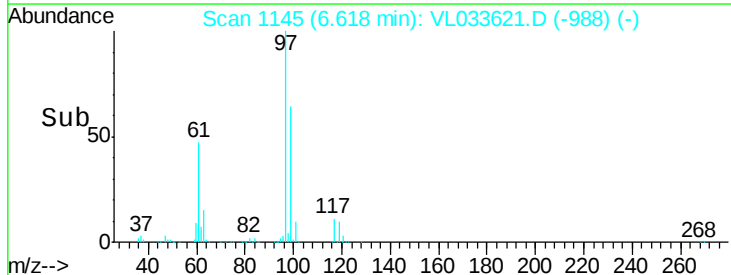
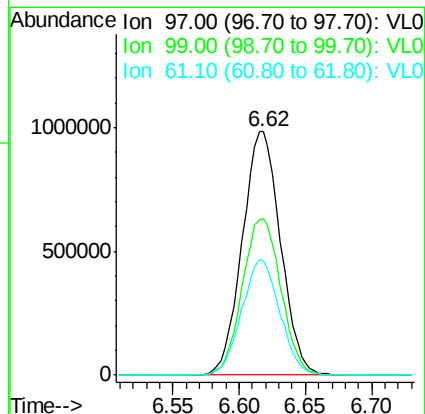
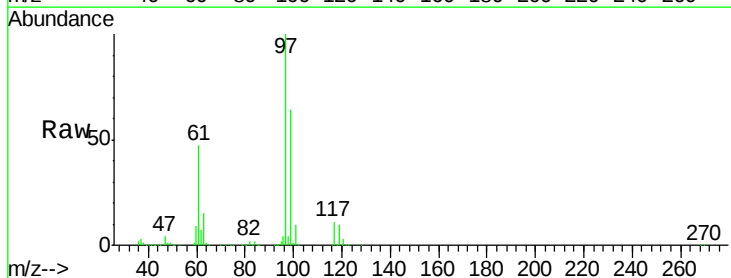
MMDadoda
5/2/2019 4:04:22 PM

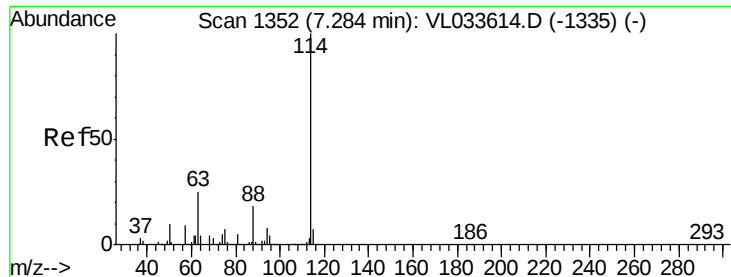


#32

1,1,1-Trichloroethane
Concen: 9.040 ppbv
RT: 6.62 min Scan# 1145
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Tgt Ion: 97 Resp: 1969594
Ion Ratio Lower Upper
97 100
99 65.1 51.9 77.9
61 47.5 38.2 57.2





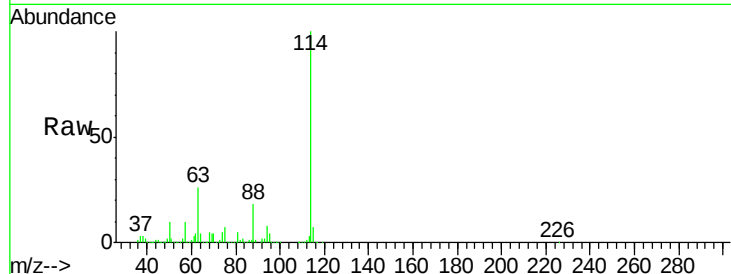
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1354
 Delta R.T. 0.01 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050119

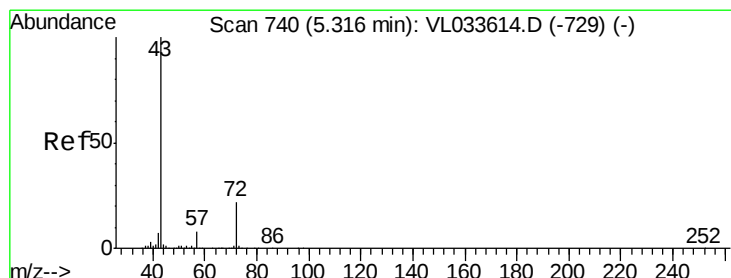
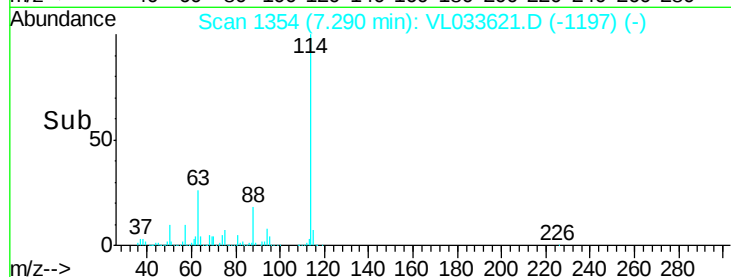
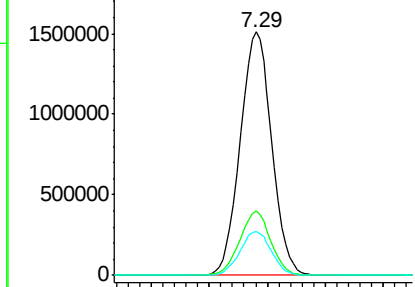
Tot Ion:114 Resp: 2846278
 Ion Ratio Lower Upper
 114 100
 63 26.3 21.1 31.7
 88 18.0 14.2 21.4

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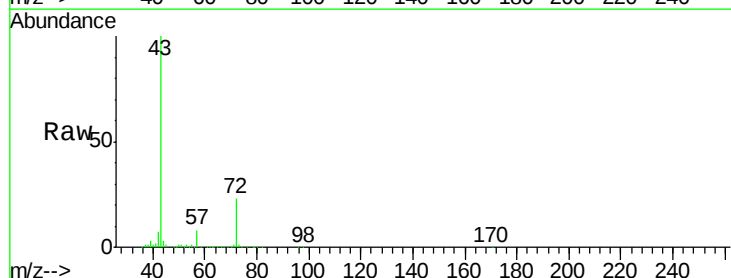


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

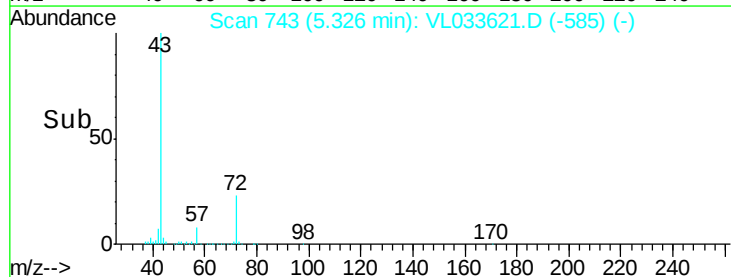
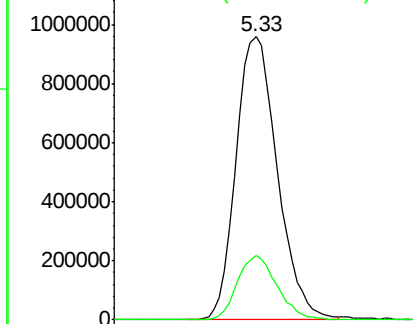


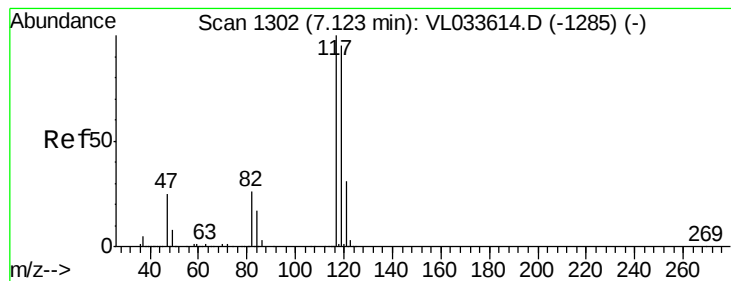
#34
 2-Butanone
 Concen: 9.570 ppbv
 RT: 5.33 min Scan# 743
 Delta R.T. 0.01 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Tgt Ion: 43 Resp: 1672216
 Ion Ratio Lower Upper
 43 100
 72 22.3 17.8 26.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.251 ppbv

RT: 7.13 min Scan# 1304

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050119

Tot Ion:117 Resp: 2085932

Ion Ratio Lower Upper

117 100

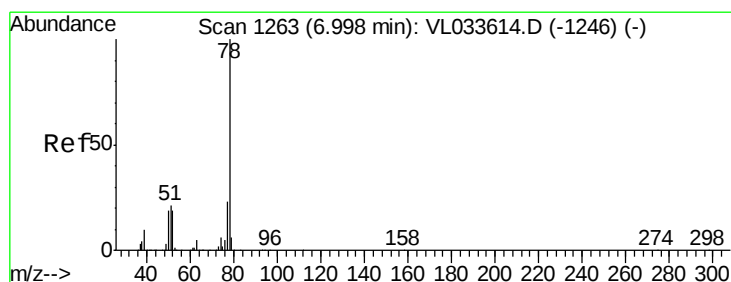
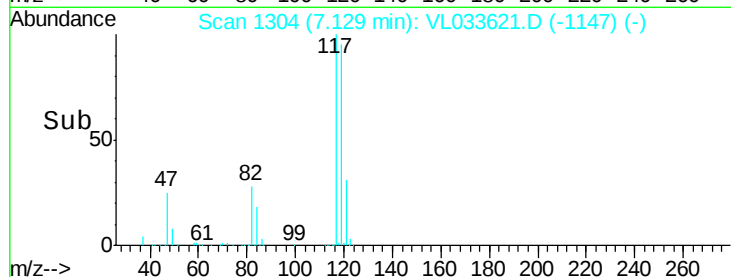
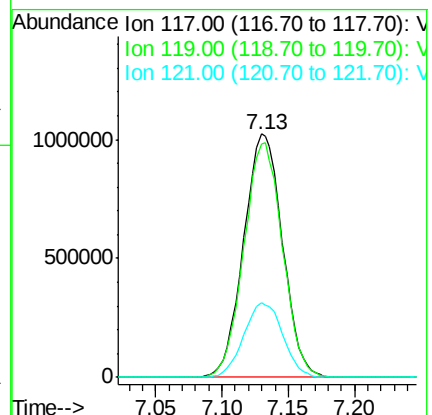
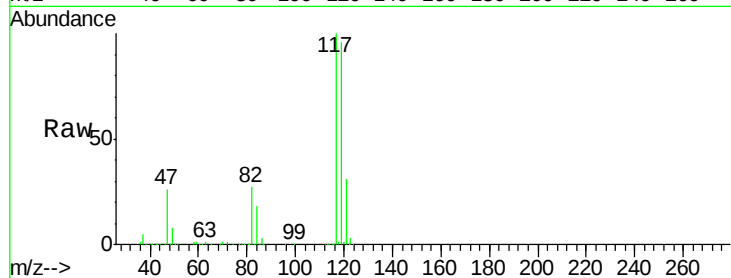
119 95.7 76.2 114.4

121 30.8 24.9 37.3

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5/2/2019 4:04:22 PM



#36

Benzene

Concen: 9.875 ppbv

RT: 7.00 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

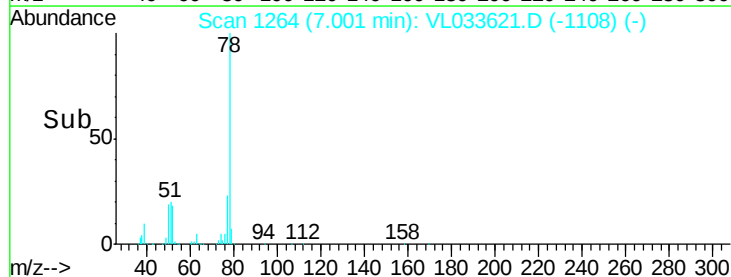
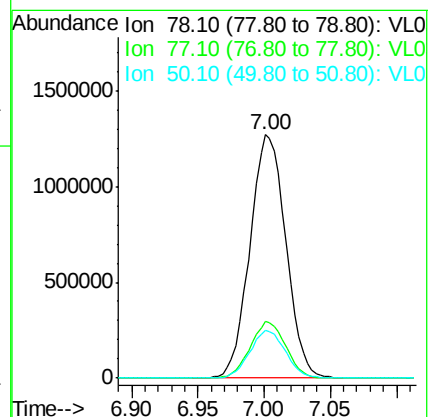
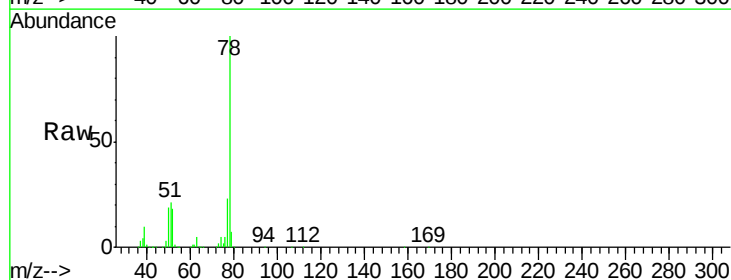
Tgt Ion: 78 Resp: 2394857

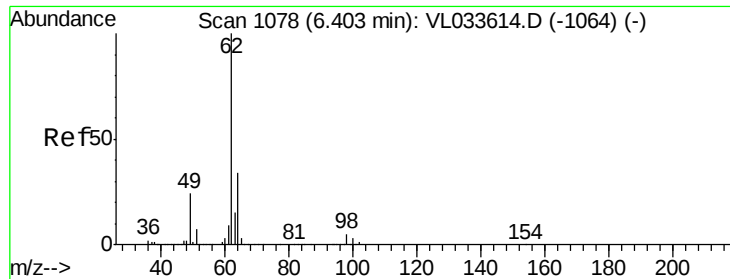
Ion Ratio Lower Upper

78 100

77 23.1 18.1 27.1

50 19.4 15.1 22.7





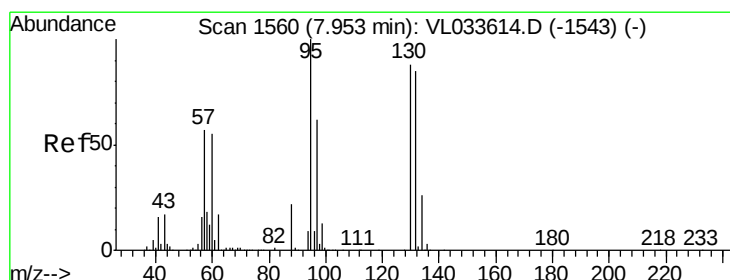
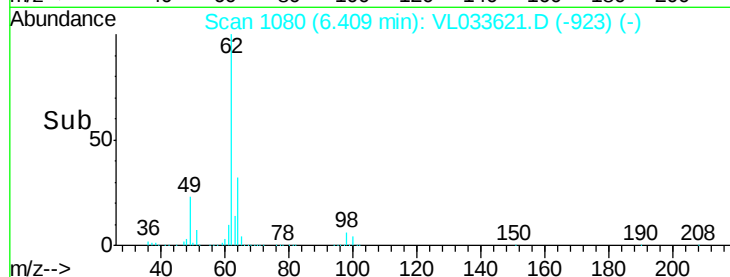
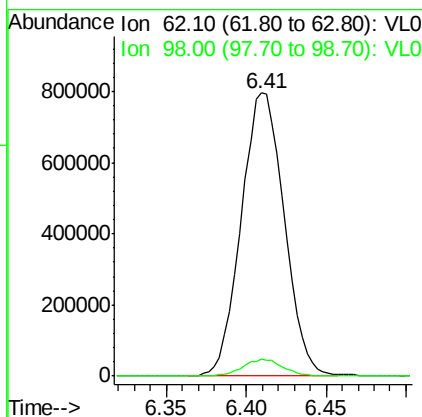
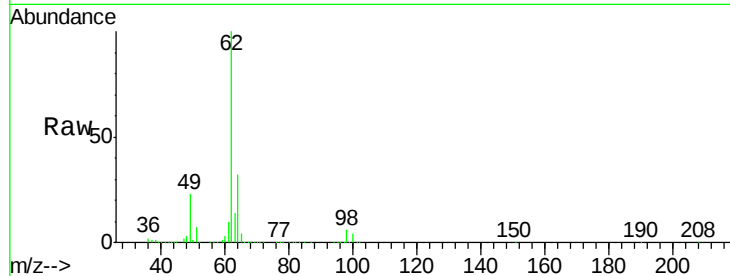
#37
1,2-Dichloroethane
Concen: 9.099 ppbv
RT: 6.41 min Scan# 1080
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050119

Tot Ion: 62 Resp: 1466324
Ion Ratio Lower Upper
62 100
98 5.7 4.4 6.6

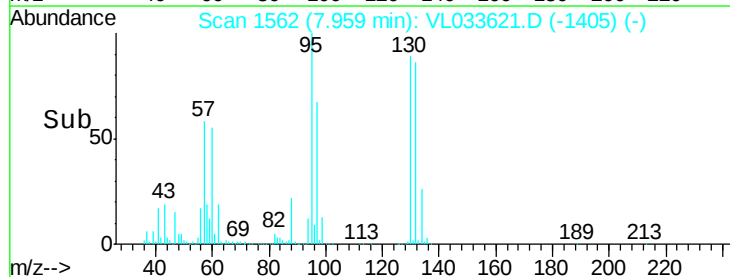
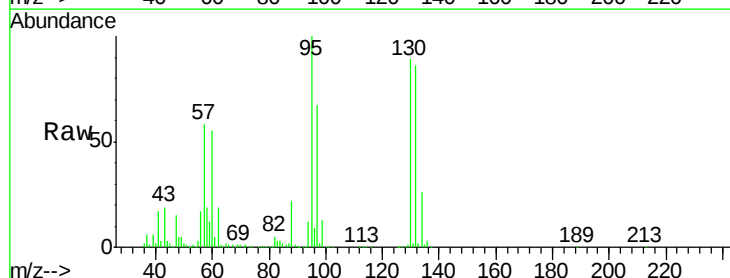
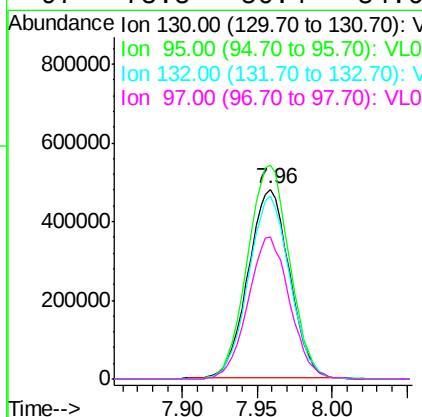
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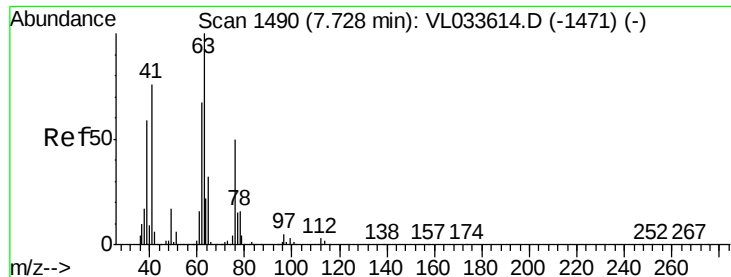
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5/2/2019 4:04:22 PM



#38
Trichloroethene
Concen: 9.566 ppbv
RT: 7.96 min Scan# 1562
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Tgt Ion:130 Resp: 925231
Ion Ratio Lower Upper
130 100
95 113.0 91.2 136.8
132 96.7 77.8 116.8
97 75.5 56.4 84.6





#39

1,2-Dichloropropane

Concen: 9.619 ppbv

RT: 7.73 min Scan# 1492

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

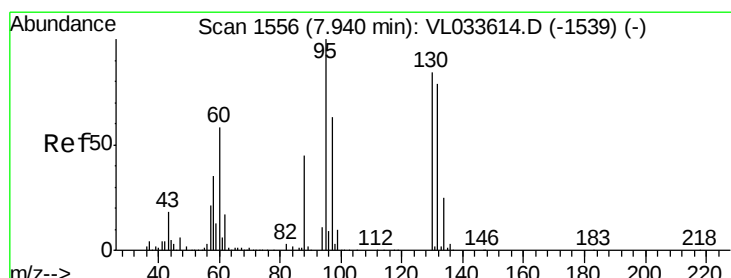
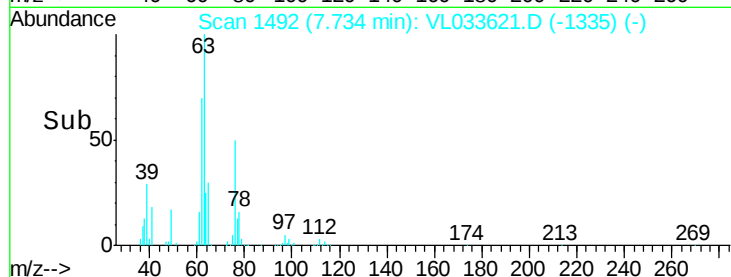
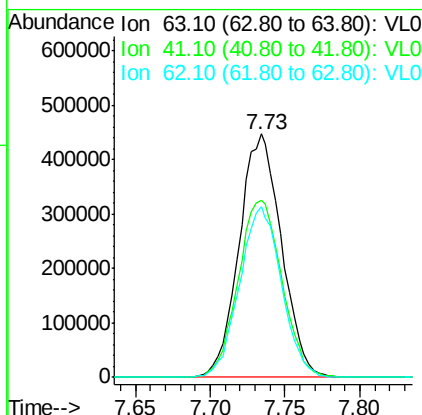
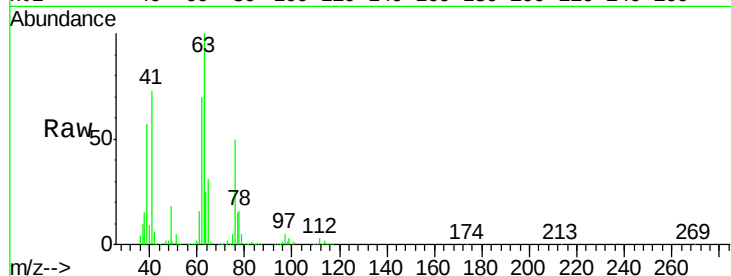
ClientSampleId :

ICVVL050119

Tot Ion:	63	Resp:	879685
Ion Ratio	Lower	Upper	
63	100		
41	72.8	60.9	91.3
62	69.9	53.3	79.9

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#40

1,4-Dioxane

Concen: 9.465 ppbv

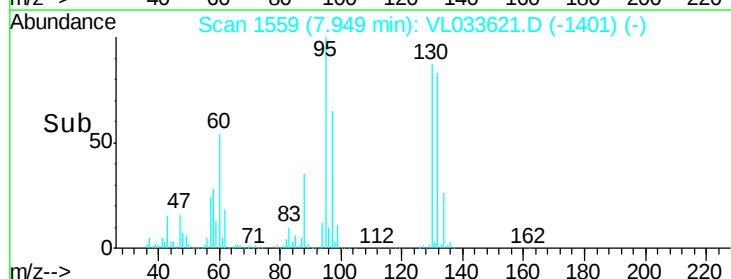
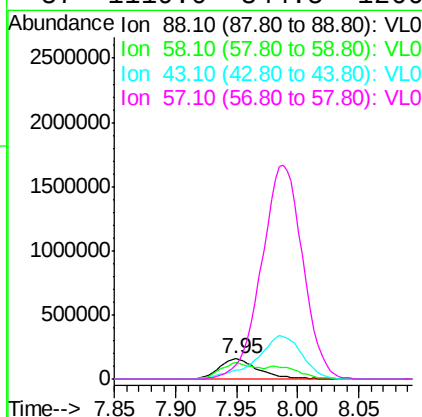
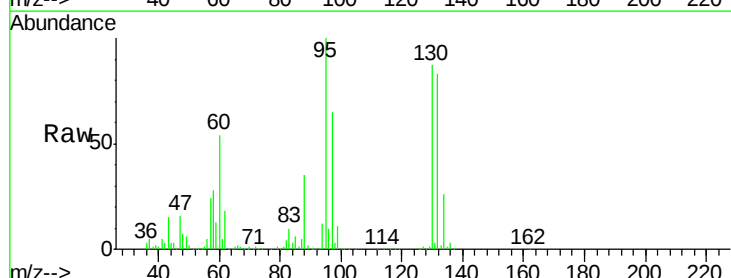
RT: 7.95 min Scan# 1559

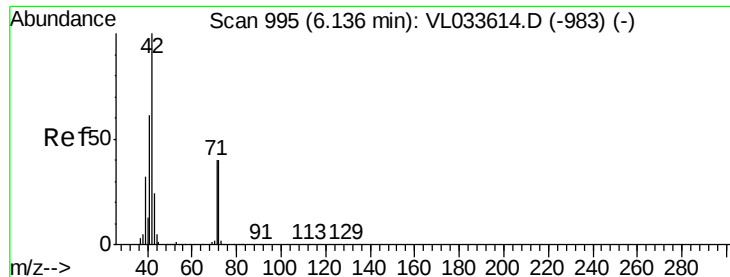
Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Tgt Ion:	88	Resp:	351705
Ion Ratio	Lower	Upper	
88	100		
58	127.3	98.4	147.6
43	249.7	190.7	286.1
57	1119.0	844.5	1266.7





#41

Tetrahydrofuran

Concen: 10.157 ppbv

RT: 6.15 min Scan# 998

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

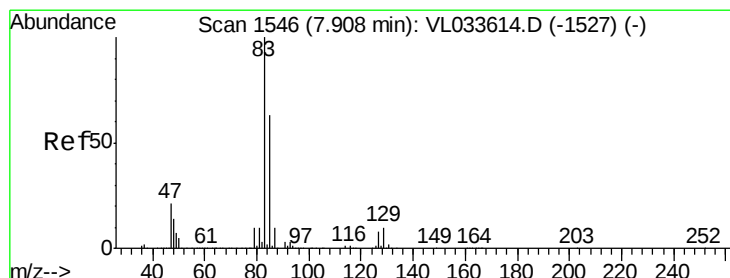
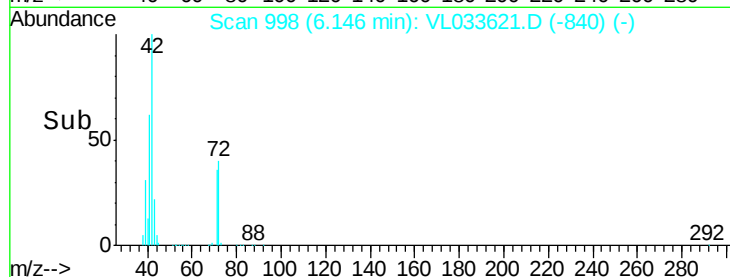
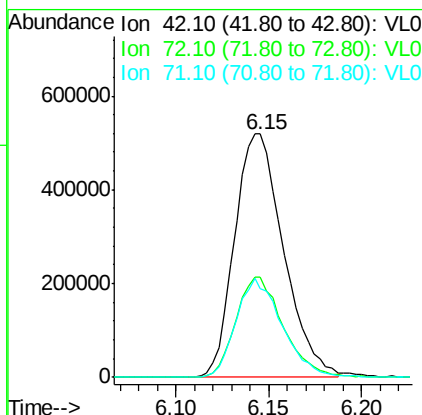
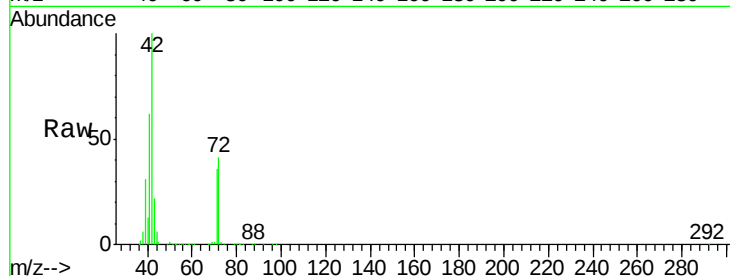
ClientSampleId :

ICVVL050119

Tot Ion:	42	Resp:	947793
Ion Ratio		Lower	Upper
42	100		
72	40.3	31.8	47.6
71	38.4	31.0	46.4

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#42

Bromodichloromethane

Concen: 9.479 ppbv

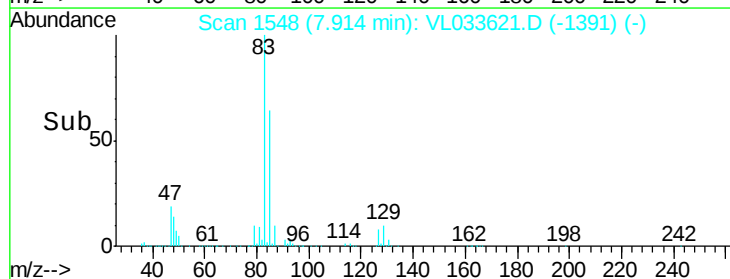
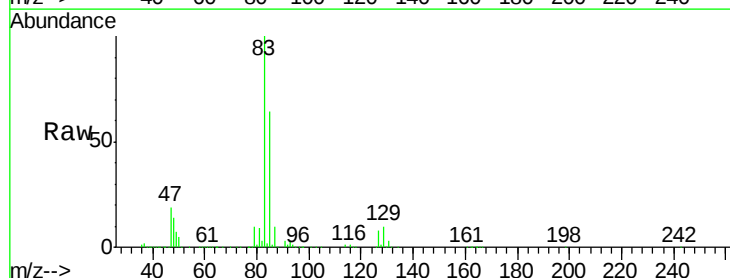
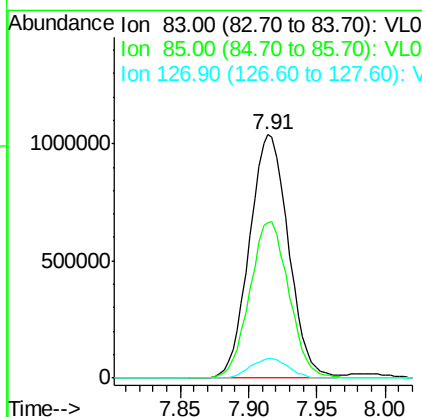
RT: 7.91 min Scan# 1548

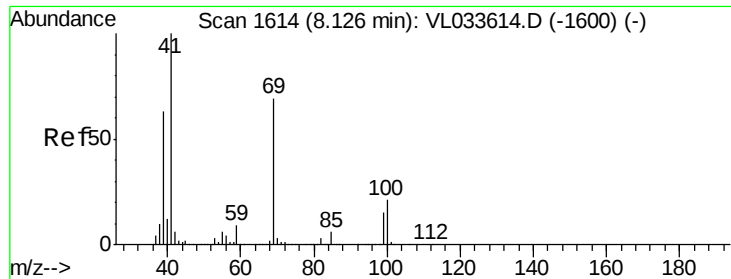
Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Tgt Ion:	83	Resp:	2067250
Ion Ratio		Lower	Upper
83	100		
85	63.8	50.2	75.4
127	8.1	6.5	9.7





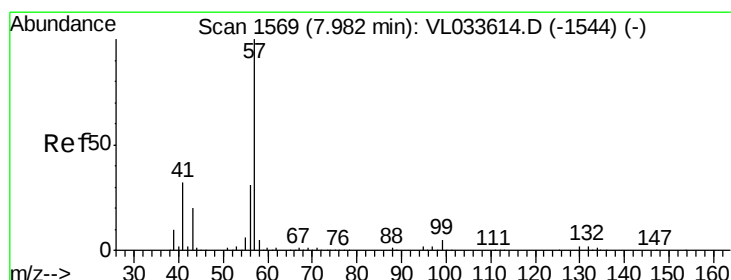
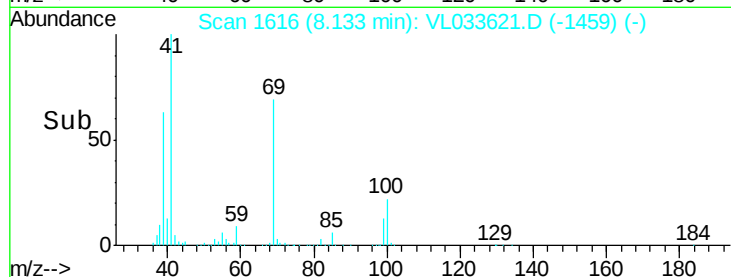
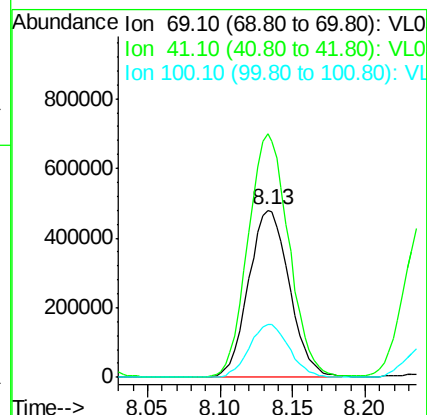
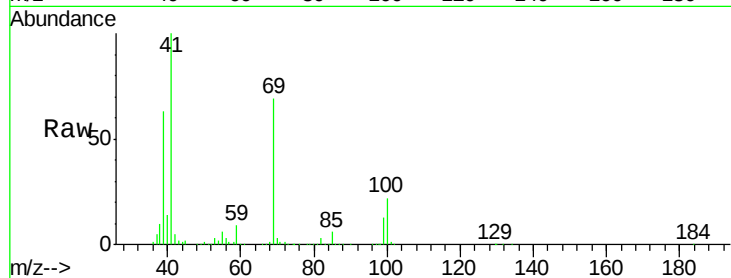
#43
Methvl Methacrilate
Concen: 10.258 ppbv
RT: 8.13 min Scan# 1616
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050119

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	145.6	115.0	172.4	
100	31.0	24.7	37.1	

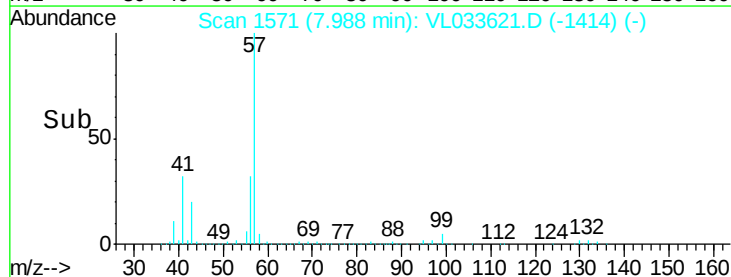
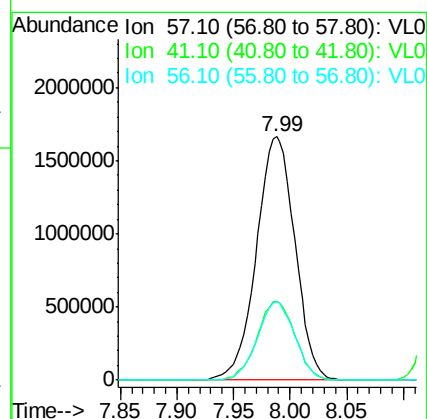
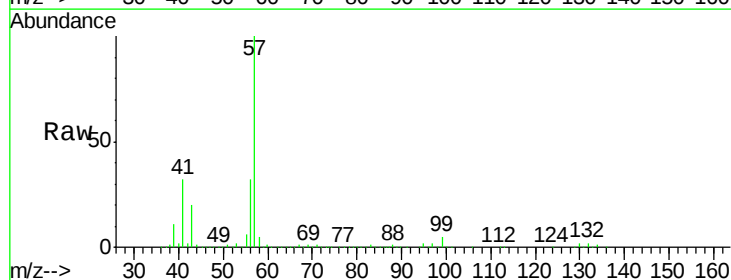
Manual Integrations
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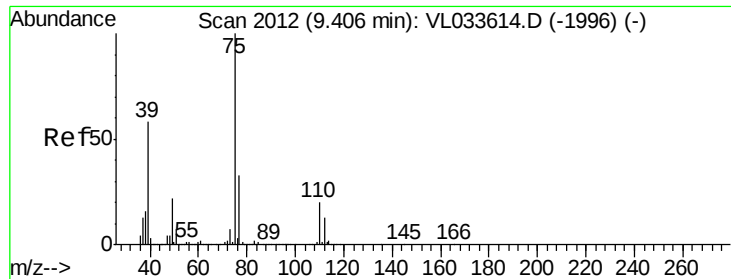
MMDadoda
5/2/2019 4:04:22 PM



#44
2,2,4-Trimethylpentane
Concen: 9.299 ppbv
RT: 7.99 min Scan# 1571
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	31.9	25.4	38.2	
56	31.2	24.6	37.0	





#45

t-1,3-Dichloropropene

Concen: 10.580 ppbv

RT: 9.41 min Scan# 2014

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Tot Ion: 75 Resp: 1290454

Ion Ratio Lower Upper

75 100

77 31.5 26.0 39.0

Instrument :

MSVOA_L

ClientSampleId :

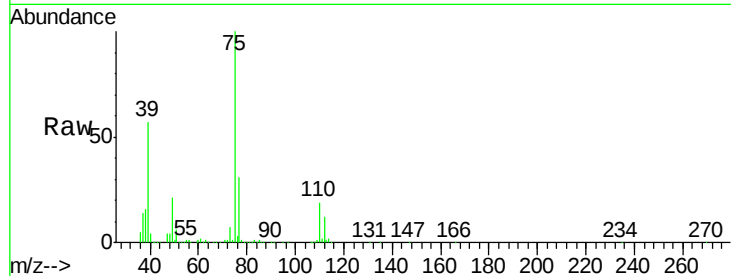
ICVVL050119

Manual Integrations

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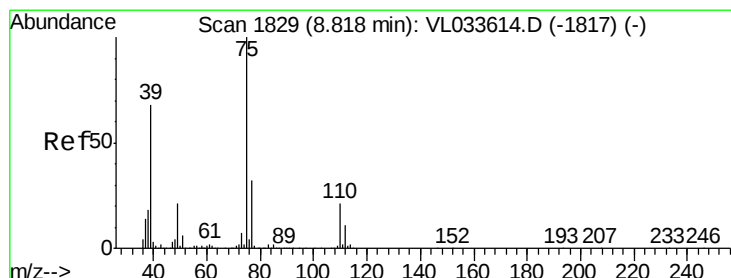
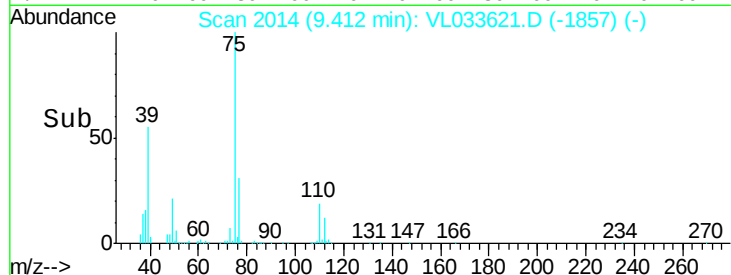
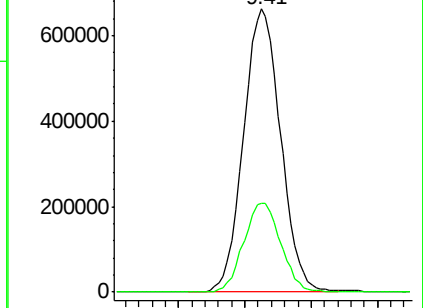
MMDadoda

5/2/2019 4:04:22 PM



Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.601 ppbv

RT: 8.83 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

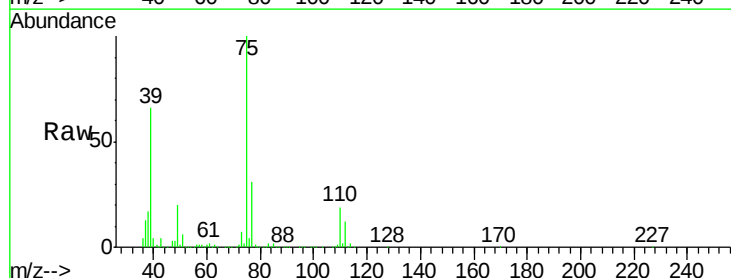
Tgt Ion: 75 Resp: 1458423

Ion Ratio Lower Upper

75 100

39 66.1 54.6 82.0

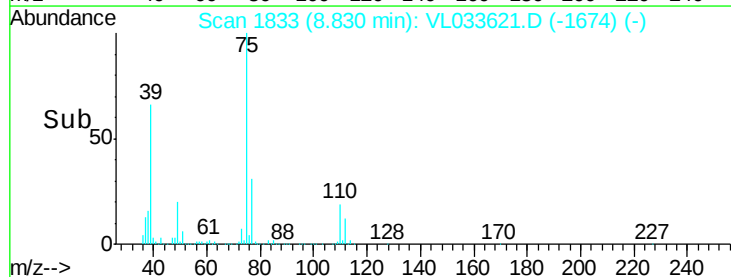
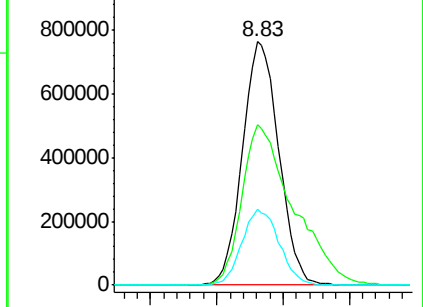
77 30.9 25.7 38.5

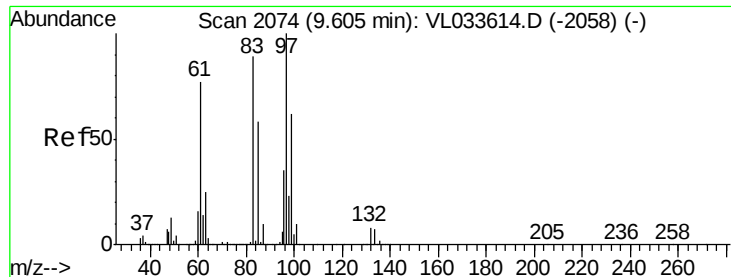


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





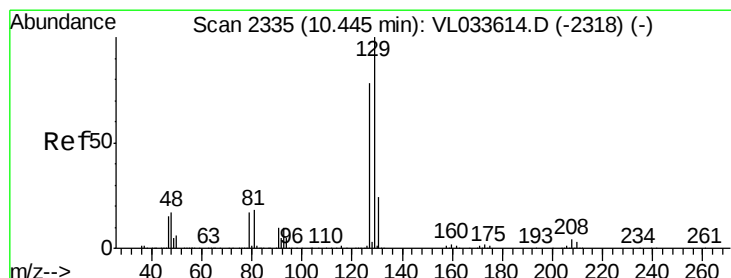
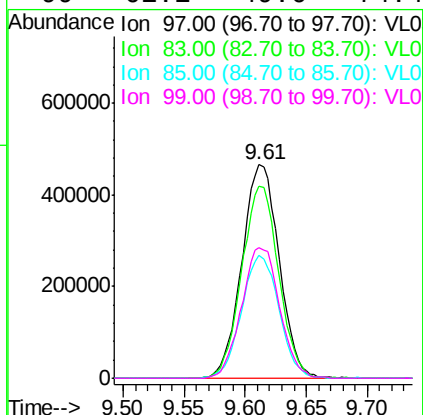
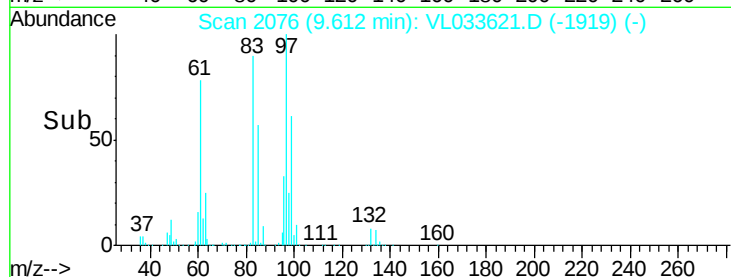
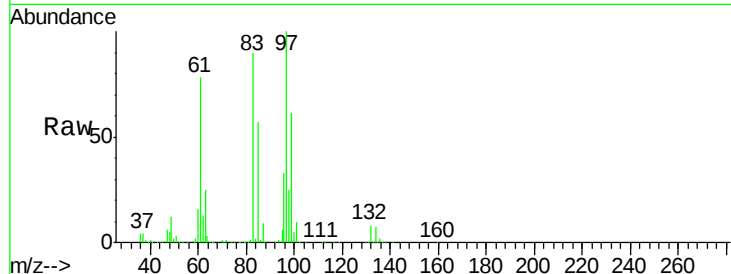
#47
 1,1,2-Trichloroethane
 Concen: 8.236 ppbv
 RT: 9.61 min Scan# 2076
 Delta R.T. 0.01 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050119

Tot Ion	Ratio	Lower	Upper
97	100		
83	89.6	71.4	107.0
85	57.3	46.0	69.0
99	61.1	49.6	74.4

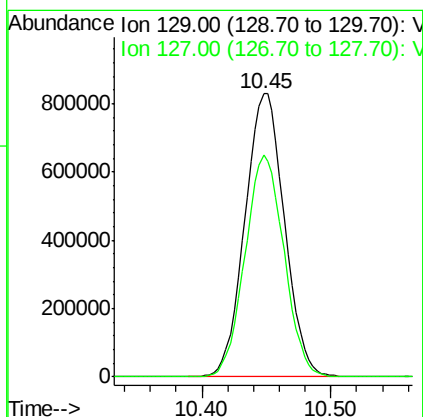
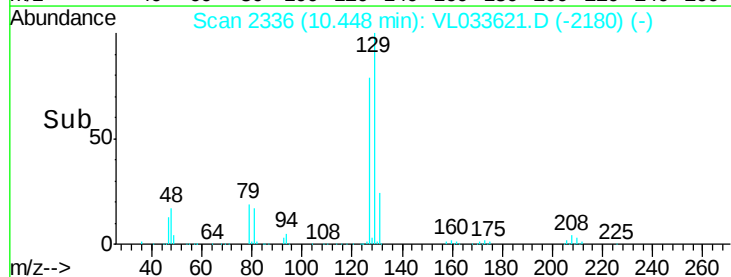
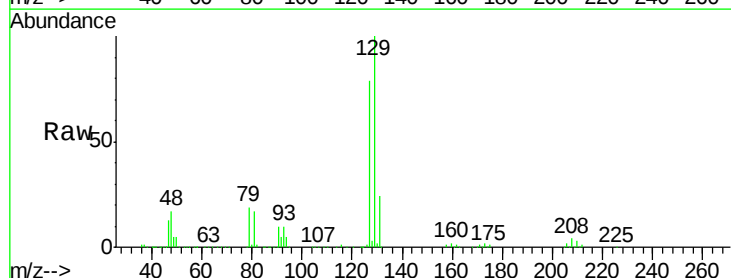
Manual Integrations
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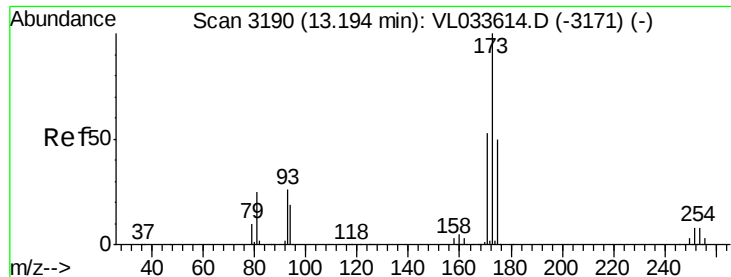
MMDadoda
 5/2/2019 4:04:22 PM



#48
 Dibromochloromethane
 Concen: 8.795 ppbv
 RT: 10.45 min Scan# 2336
 Delta R.T. 0.00 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.3	39.2	117.6





#49

Bromoform

Concen: 10.265 ppbv

RT: 13.20 min Scan# 3192

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050119

Tot Ion:173 Resp: 1586457

Ion Ratio Lower Upper

173 100

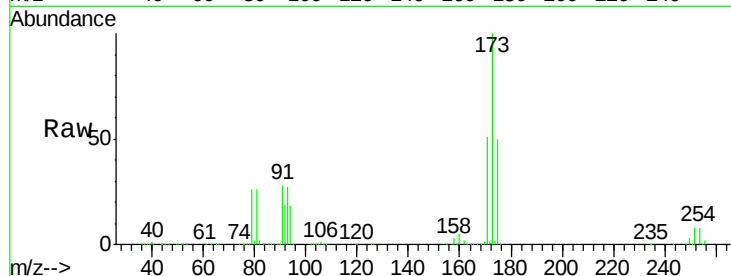
175 49.5 39.0 58.6

171 52.0 41.6 62.4

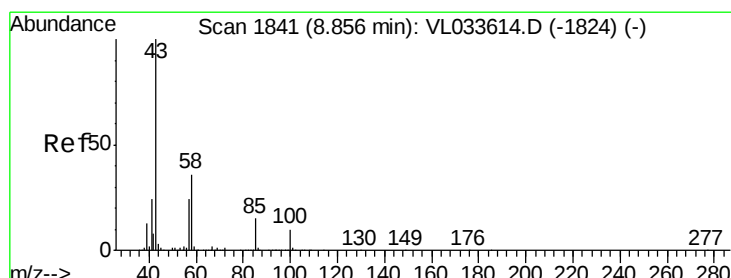
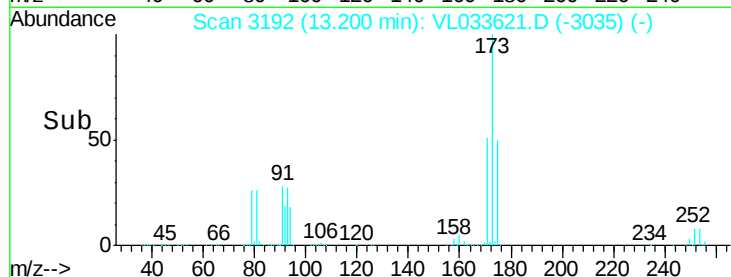
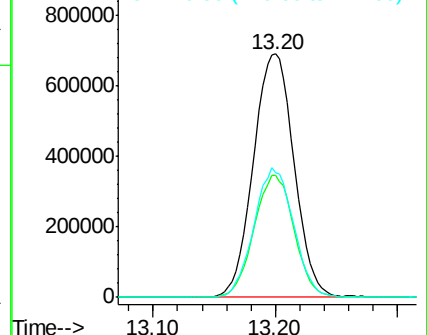
Manual Integrations
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.400 ppbv

RT: 8.86 min Scan# 1843

Delta R.T. 0.01 min

Lab File: VL033621.D

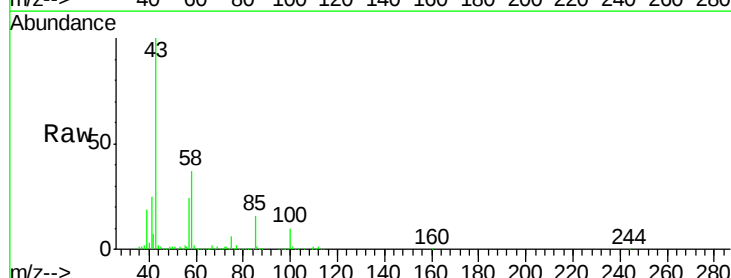
Acq: 1 May 2019 17:26

Tgt Ion: 43 Resp: 2573616

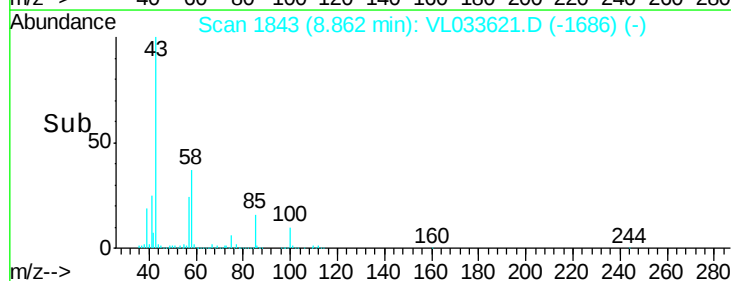
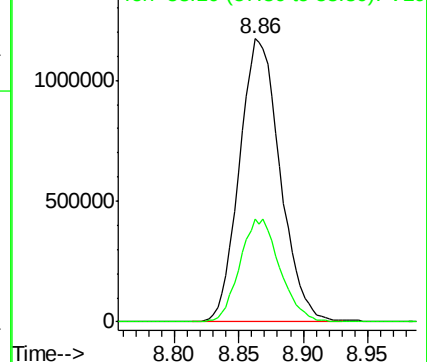
Ion Ratio Lower Upper

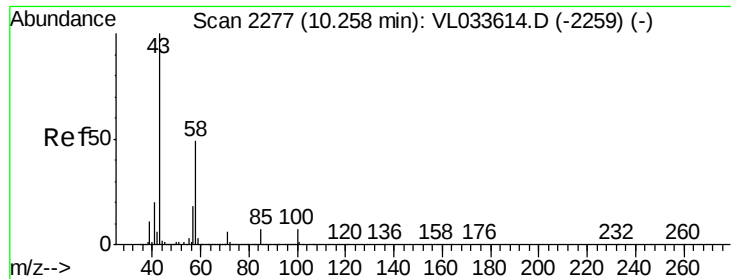
43 100

58 35.8 28.6 42.8



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 8.837 ppbv

RT: 10.26 min Scan# 2279

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050119

Tot Ion: 43 Resp: 2124259

Ion Ratio Lower Upper

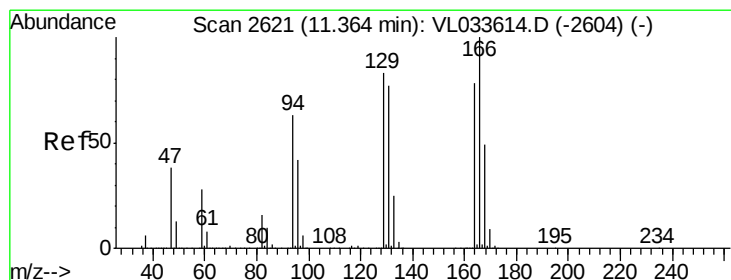
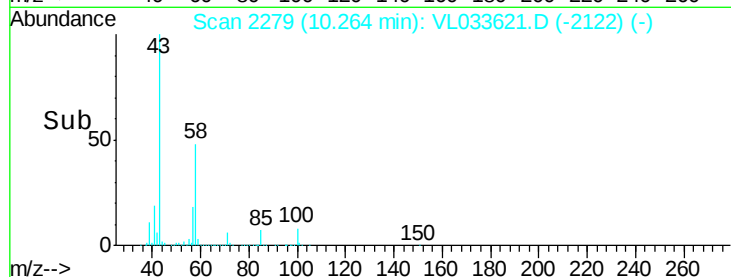
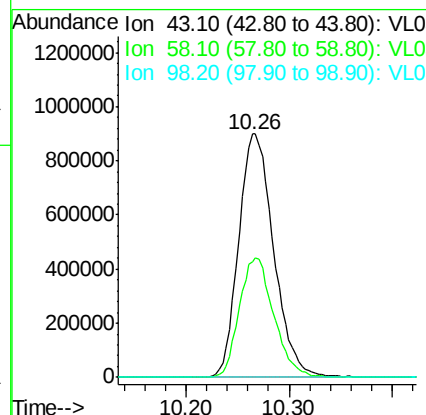
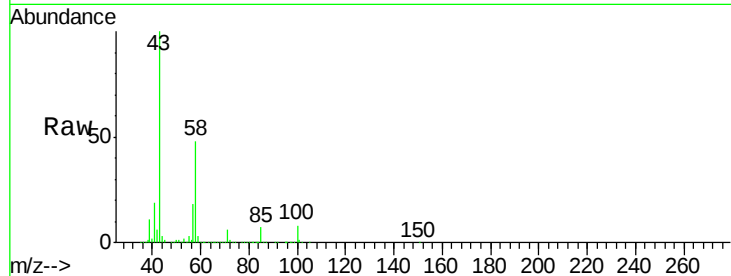
43 100

58 48.4 38.5 57.7

98 0.2 0.3 0.5#

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#52

Tetrachloroethene

Concen: 9.731 ppbv

RT: 11.37 min Scan# 2623

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Tgt Ion: 164 Resp: 907368

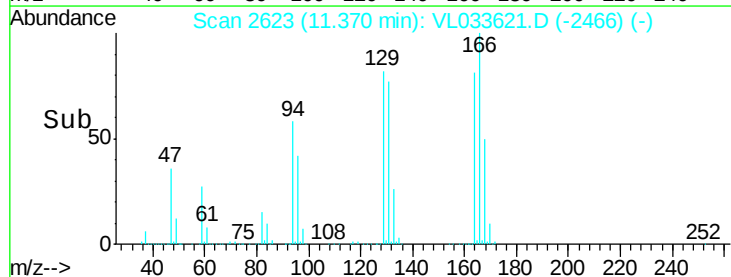
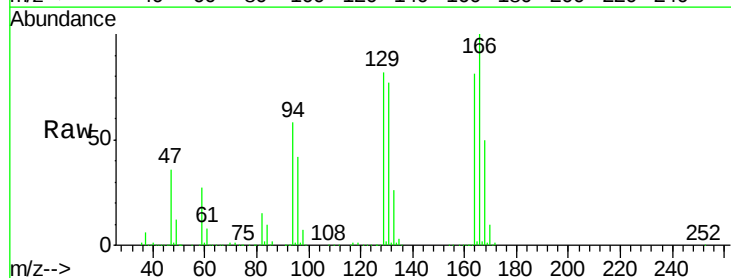
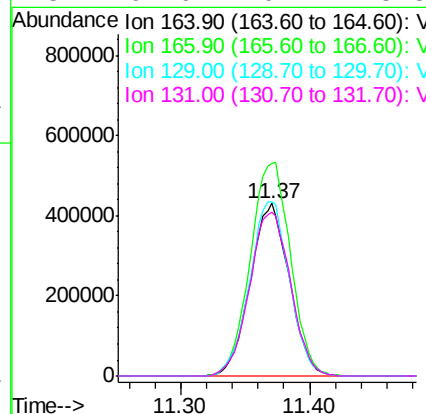
Ion Ratio Lower Upper

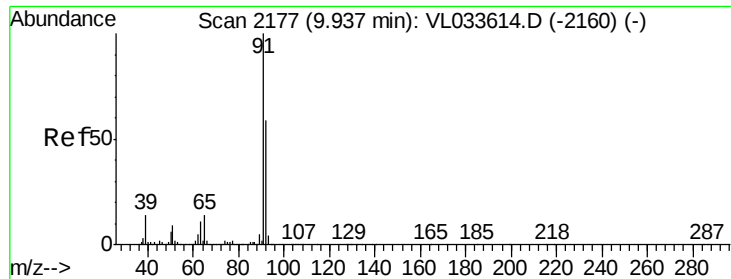
164 100

166 122.9 102.2 153.4

129 100.9 84.4 126.6

131 94.9 79.2 118.8





#53

Toluene

Concen: 9.027 ppbv

RT: 9.94 min Scan# 2179

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050119

Tot Ion: 91 Resp: 2762618

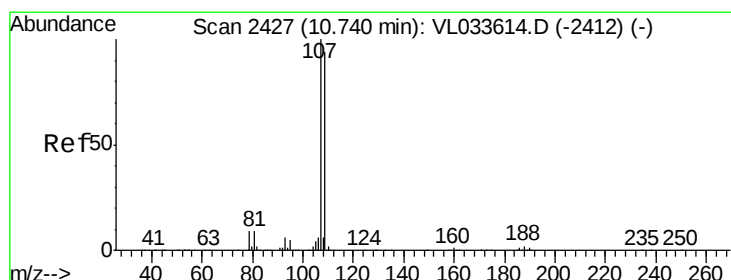
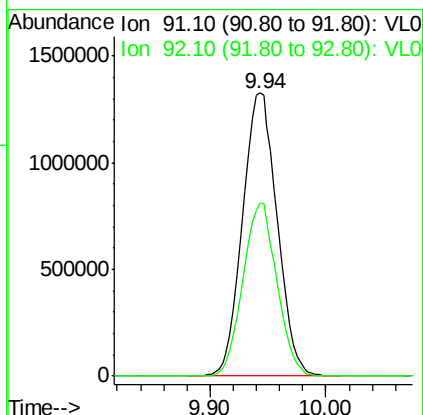
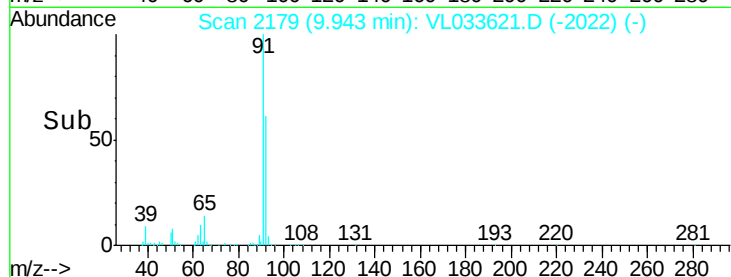
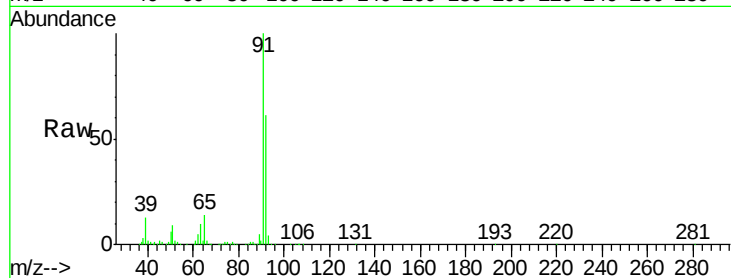
Ion Ratio Lower Upper

91 100

92 60.0 47.8 71.6

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5/2/2019 4:04:22 PM



#54

1,2-Dibromoethane

Concen: 9.508 ppbv

RT: 10.76 min Scan# 2432

Delta R.T. 0.02 min

Lab File: VL033621.D

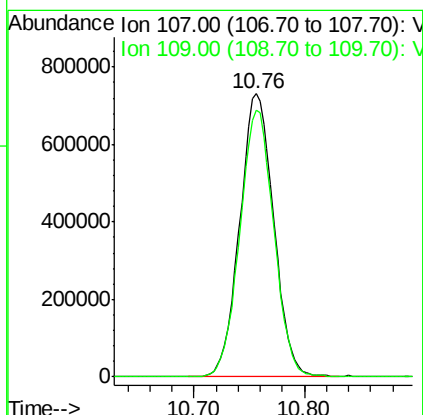
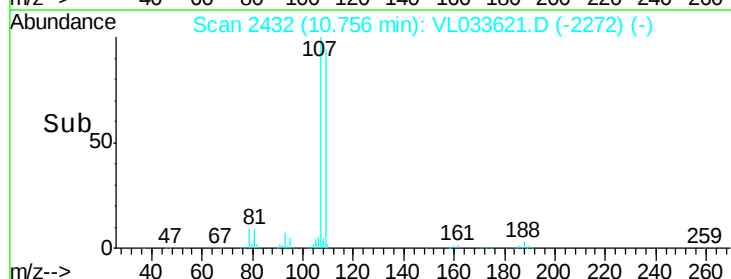
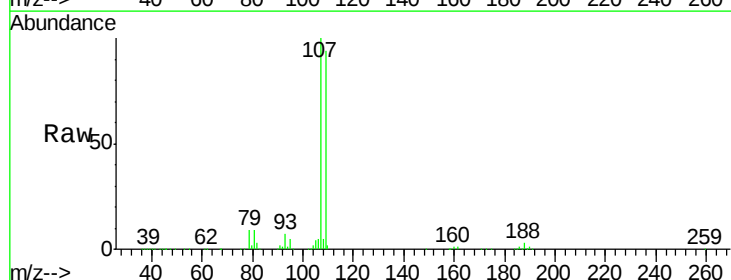
Acq: 1 May 2019 17:26

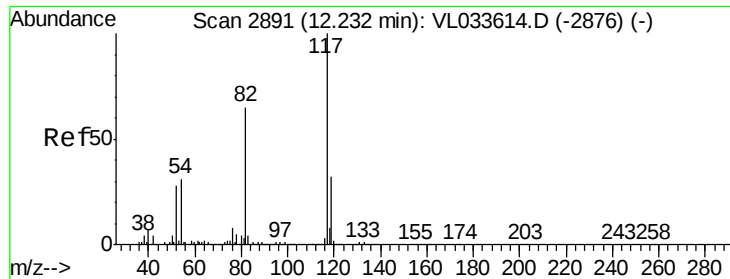
Tgt Ion: 107 Resp: 1559928

Ion Ratio Lower Upper

107 100

109 94.5 75.1 112.7





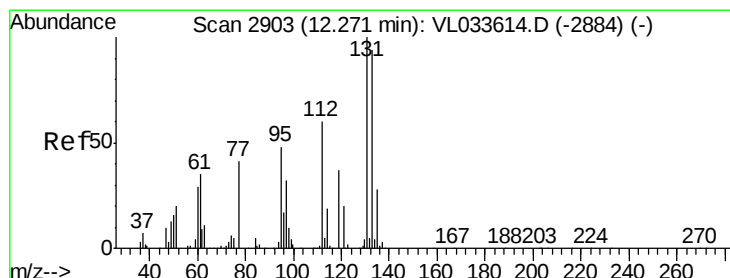
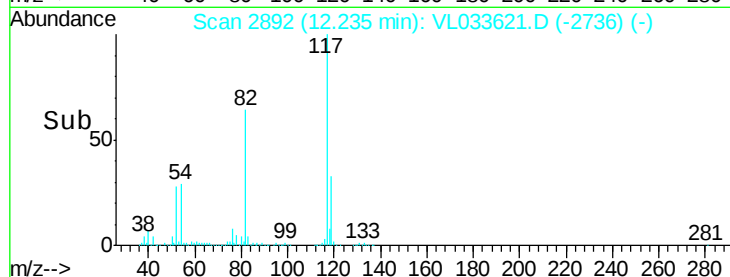
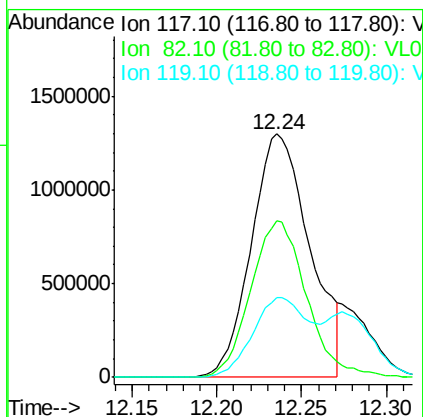
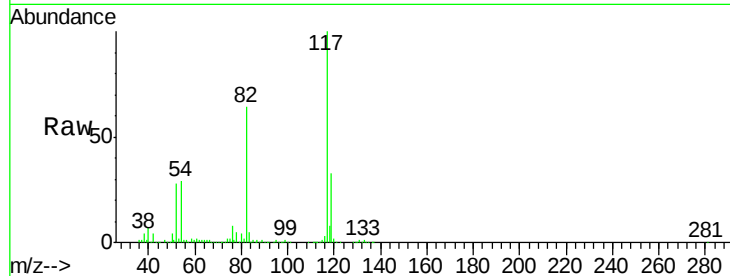
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.24 min Scan# 2892
Delta R.T. 0.00 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050119

Tot Ion:117 Resp: 3102669
Ion Ratio Lower Upper
117 100
82 61.8 52.6 78.8
119 53.3 28.3 42.5#

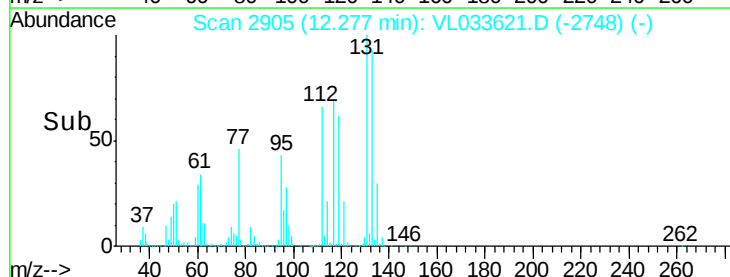
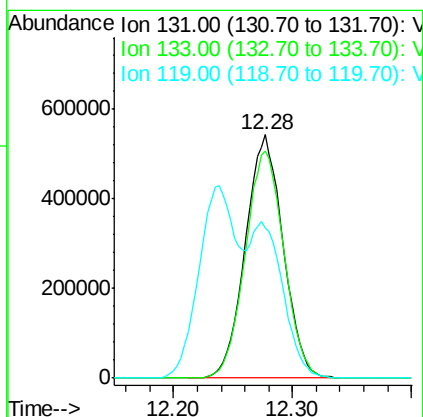
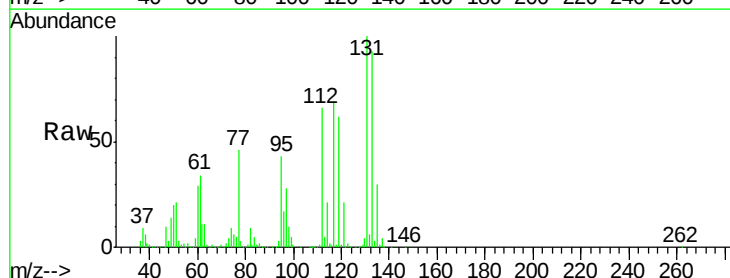
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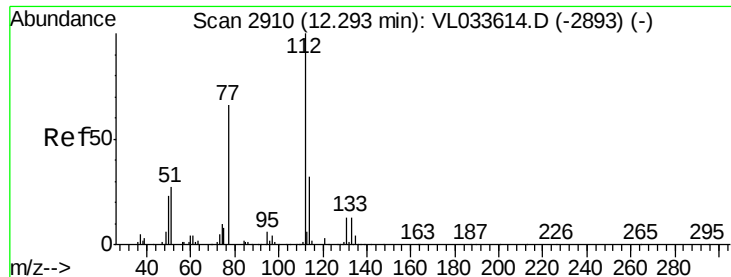
MMDadoda
5/2/2019 4:04:22 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 8.918 ppbv
RT: 12.28 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Tgt Ion:131 Resp: 1191804
Ion Ratio Lower Upper
131 100
133 95.8 76.4 114.6
119 139.1 40.9 61.3#





#57

Chlorobenzene

Concen: 8.859 ppbv

RT: 12.30 min Scan# 2911

Delta R.T. 0.00 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050119

Tot Ion:112 Resp: 2109444

Ion Ratio Lower Upper

112 100

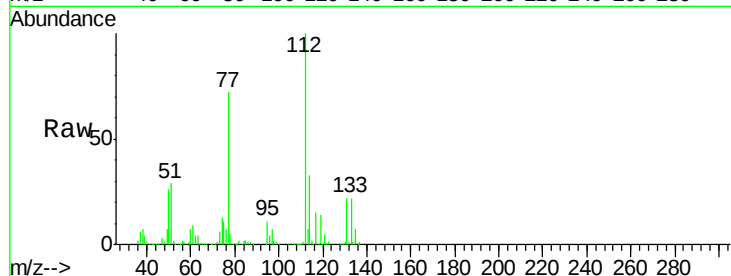
77 71.9 53.6 80.4

114 33.2 29.1 35.5

Manual Integrations
APPROVED

MMDadoda

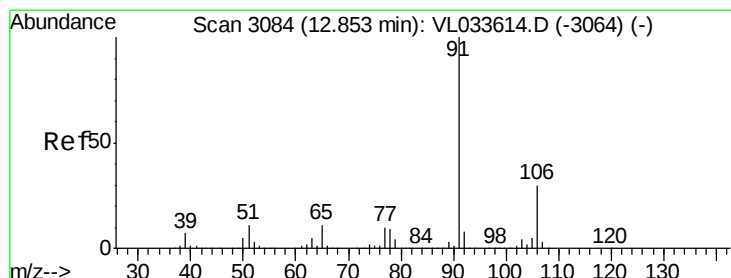
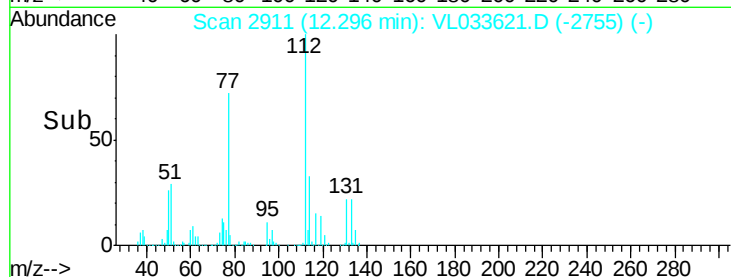
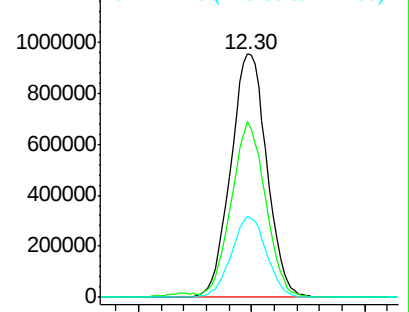
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.725 ppbv

RT: 12.86 min Scan# 3086

Delta R.T. 0.01 min

Lab File: VL033621.D

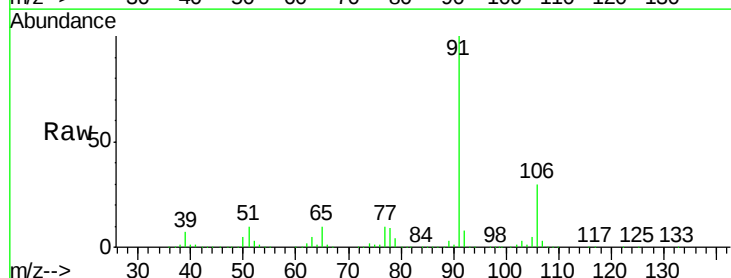
Acq: 1 May 2019 17:26

Tgt Ion: 91 Resp: 3831590

Ion Ratio Lower Upper

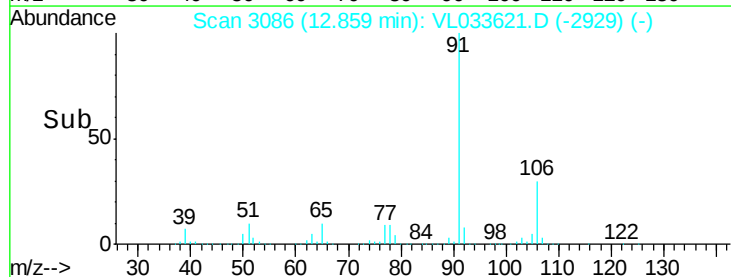
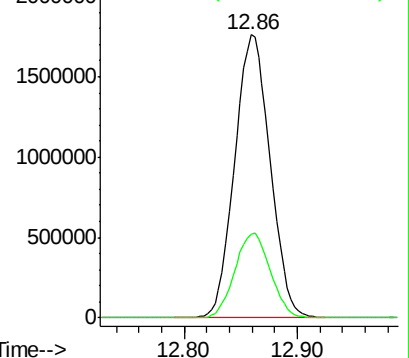
91 100

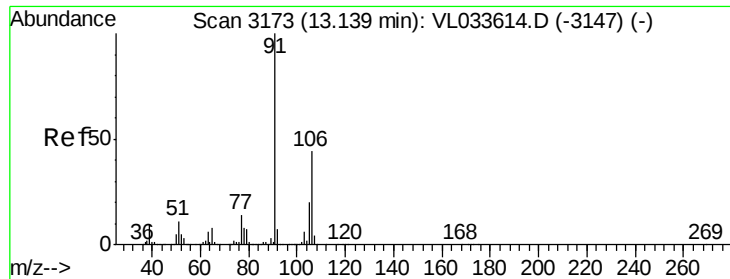
106 29.6 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





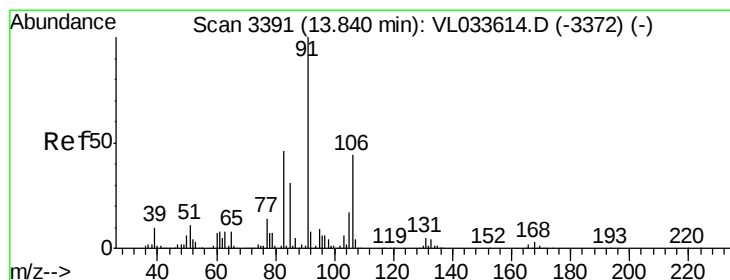
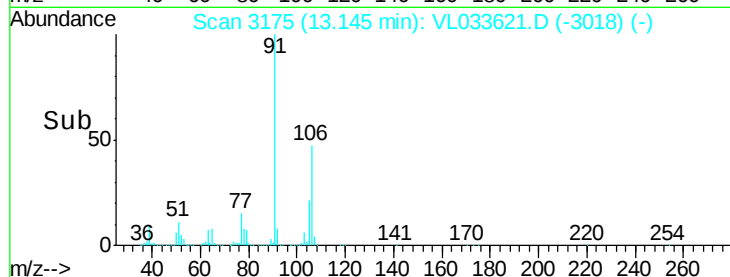
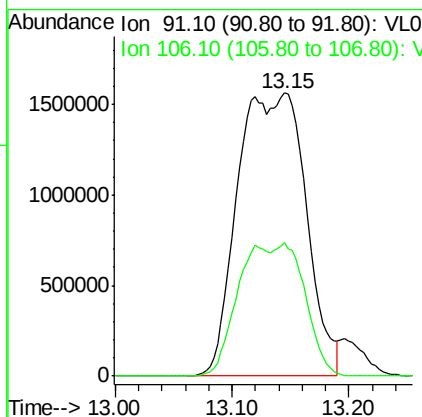
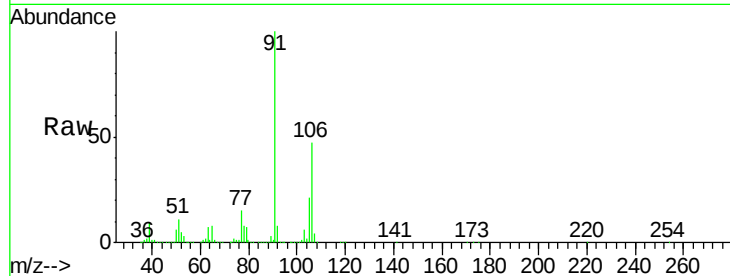
#59
m/p-Xylene
Concen: 20.592 ppbv m
RT: 13.15 min Scan# 3175
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050119

Tot Ion: 91 Resp: 6329047
Ion Ratio Lower Upper
91 100
106 45.3 0.0 0.0#

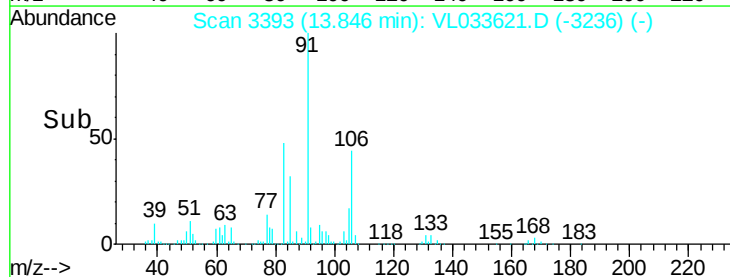
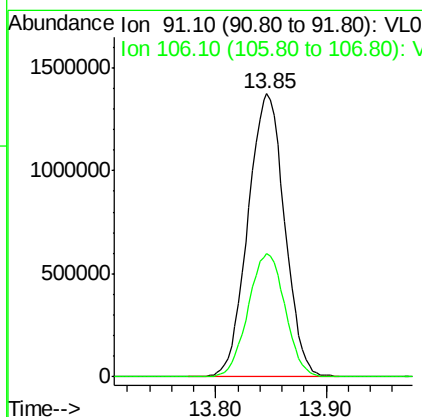
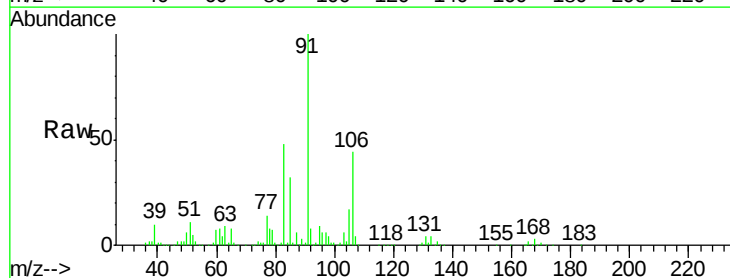
Manual Integrations
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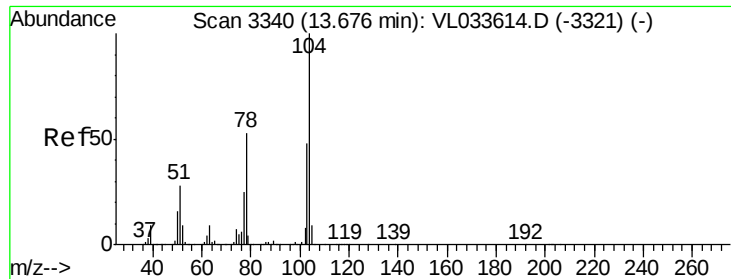
MMDadoda
5/2/2019 4:04:22 PM



#60
o-Xylene
Concen: 10.175 ppbv
RT: 13.85 min Scan# 3393
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Tgt Ion: 91 Resp: 3159127
Ion Ratio Lower Upper
91 100
106 43.9 21.8 65.4





#61

Stvrene

Concen: 11.332 ppbv

RT: 13.68 min Scan# 3341

Delta R.T. 0.00 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050119

Tot Ion:104 Resp: 2404852

Ion Ratio Lower Upper

104 100

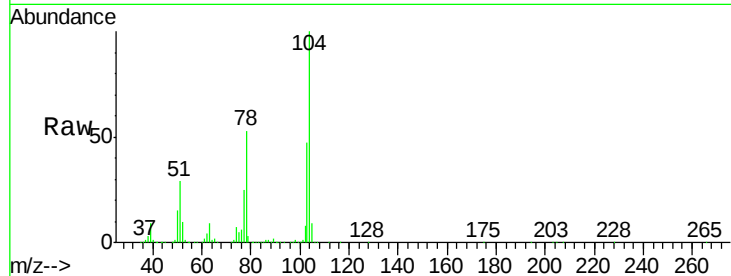
78 53.3 42.7 64.1

103 47.4 37.8 56.6

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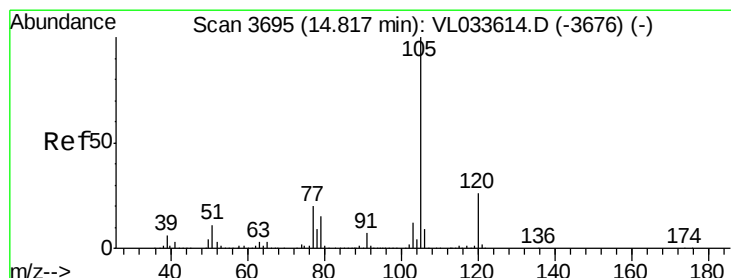
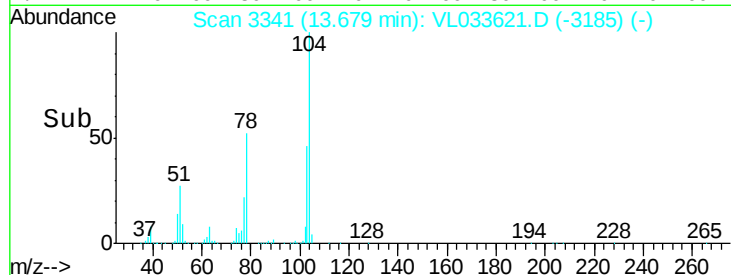
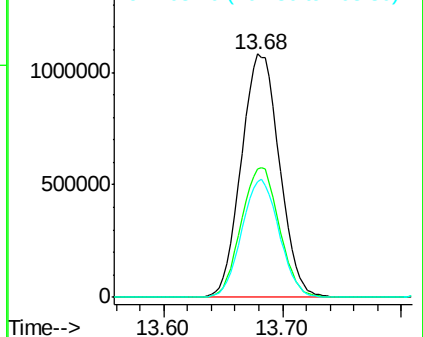
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.246 ppbv

RT: 14.82 min Scan# 3697

Delta R.T. 0.01 min

Lab File: VL033621.D

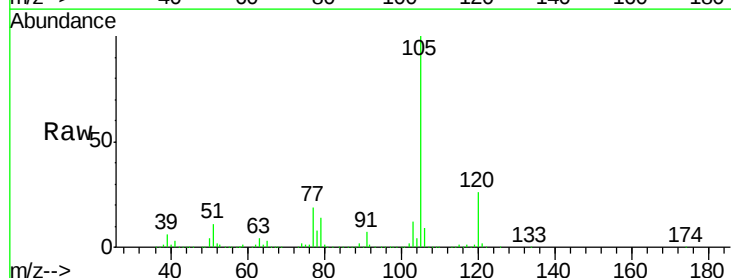
Acq: 1 May 2019 17:26

Tgt Ion:105 Resp: 4251272

Ion Ratio Lower Upper

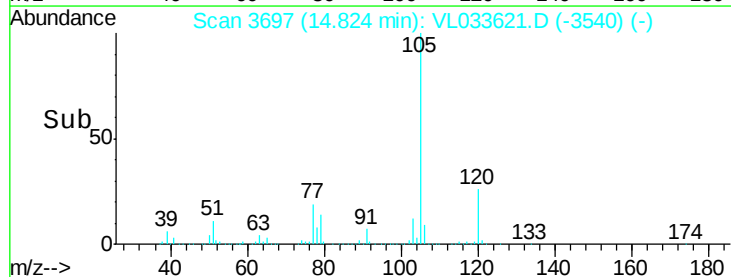
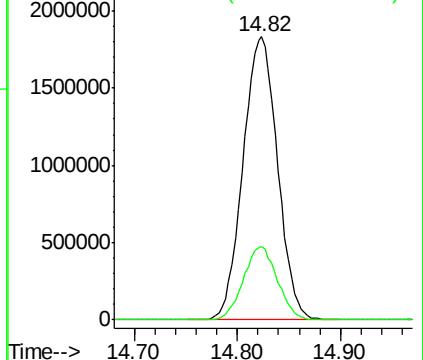
105 100

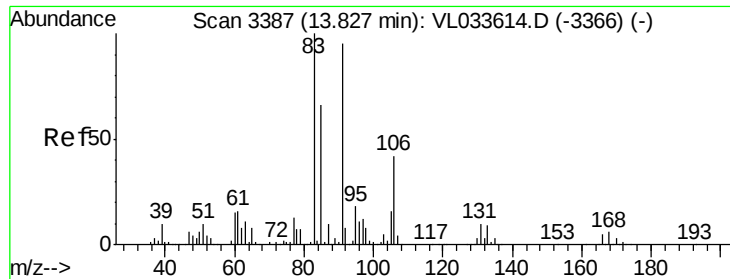
120 25.4 20.3 30.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





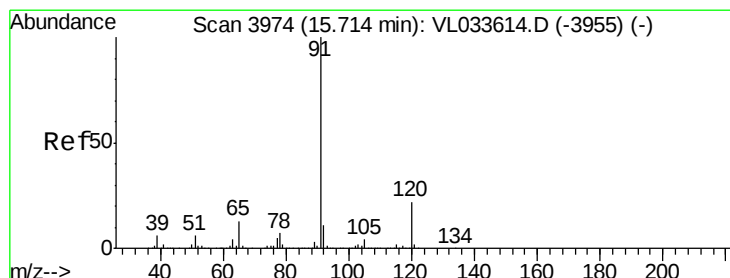
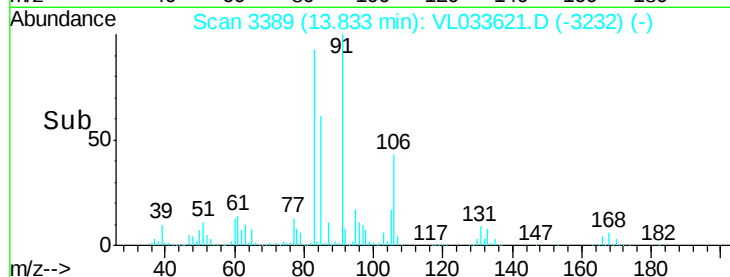
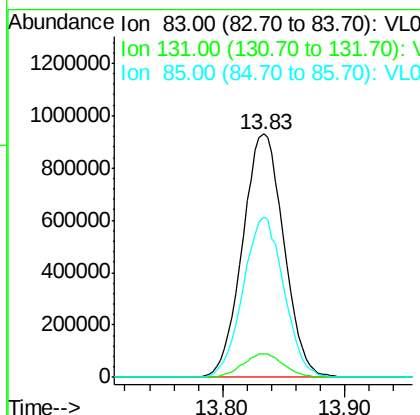
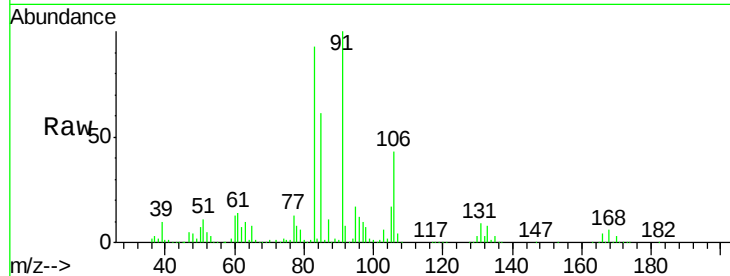
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.948 ppbv
 RT: 13.83 min Scan# 3389
 Delta R.T. 0.01 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050119

Tot Ion	83	Resp	2168669
Ion Ratio	100	Lower	Upper
83	100		
131	9.6	4.8	14.4
85	65.2	32.3	96.8

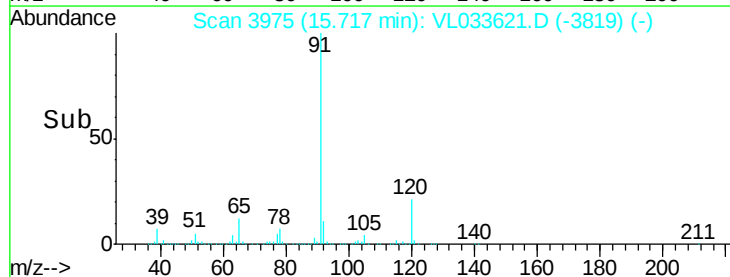
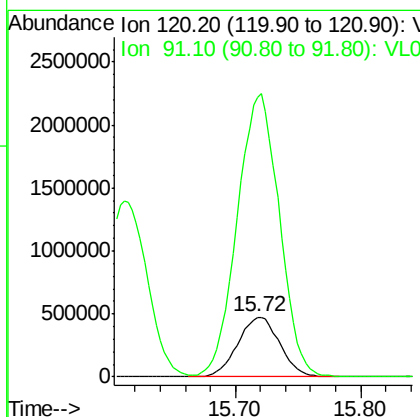
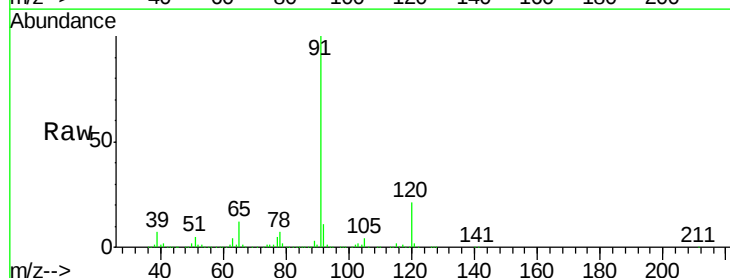
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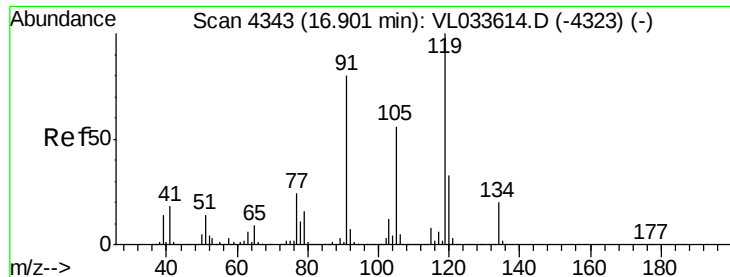
MMDadoda
 5/2/2019 4:04:22 PM



#64
 n-propylbenzene
 Concen: 10.237 ppbv
 RT: 15.72 min Scan# 3975
 Delta R.T. 0.00 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Tgt Ion	120	Resp	1101755
Ion Ratio	100	Lower	Upper
120	100		
91	478.1	380.2	570.2





#65

tert-Butylbenzene

Concen: 10.044 ppbv

RT: 16.91 min Scan# 4345

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050119

Tot Ion: 119 Resp: 3897323

Ion Ratio Lower Upper

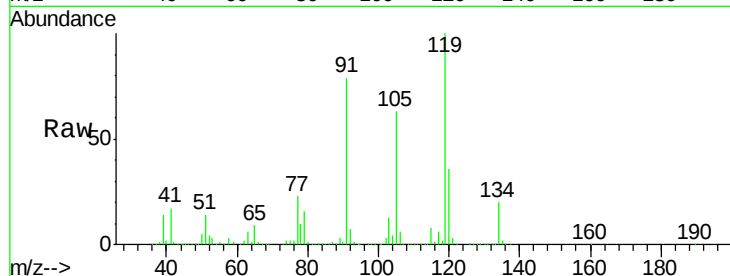
119 100

91 81.8 66.1 99.1

134 19.5 15.6 23.4

Manual Integrations
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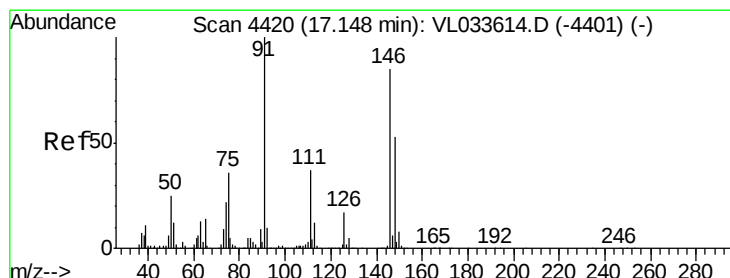
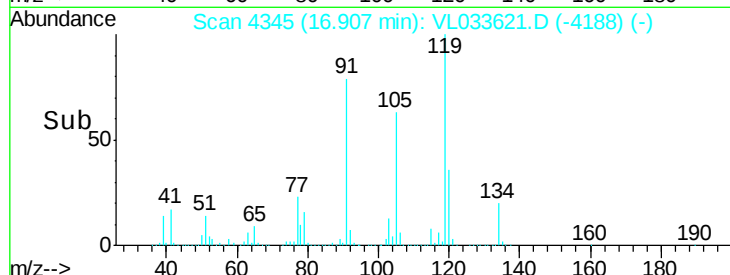
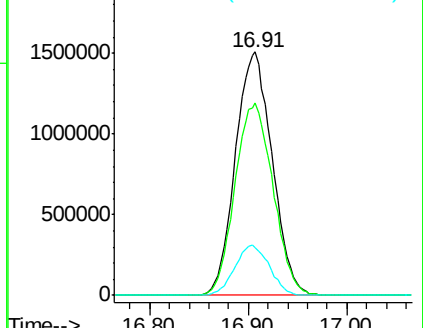
MMDadoda
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.921 ppbv

RT: 17.15 min Scan# 4421

Delta R.T. 0.00 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

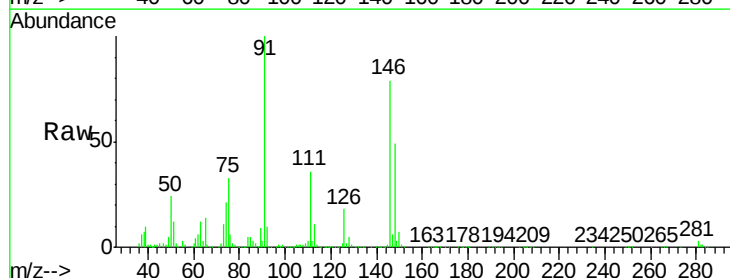
Tgt Ion: 91 Resp: 2097787

Ion Ratio Lower Upper

91 100

126 17.0 13.4 20.2

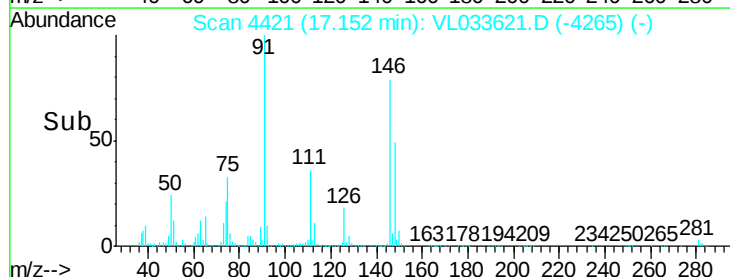
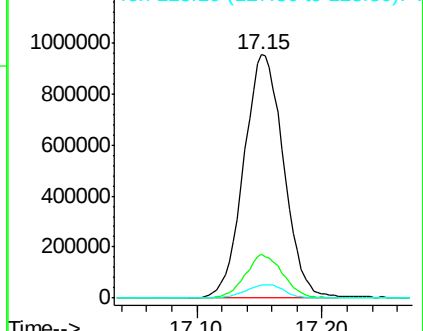
128 5.4 4.3 6.5

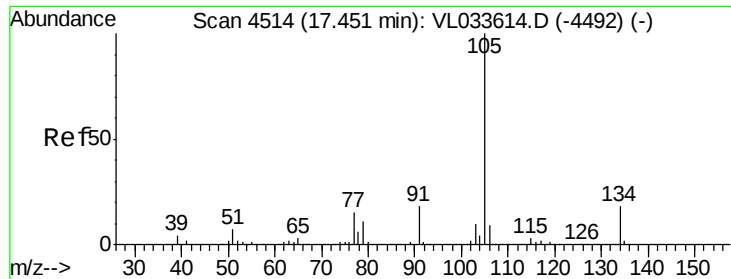


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





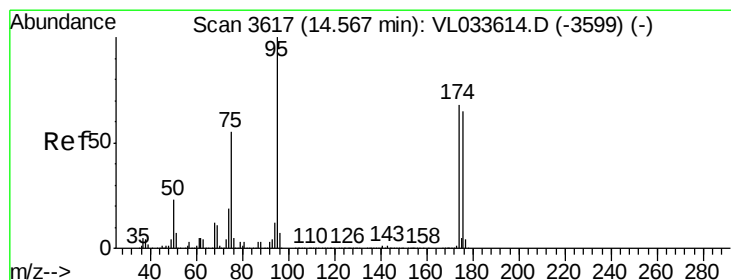
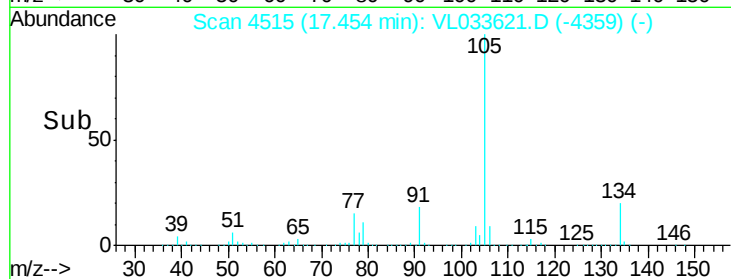
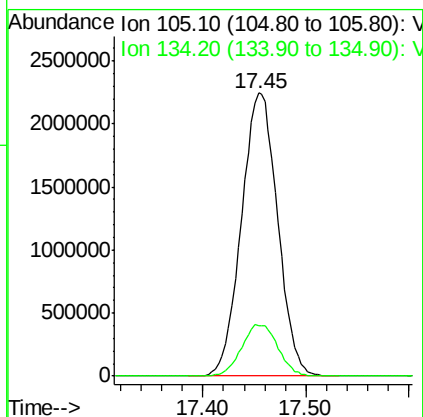
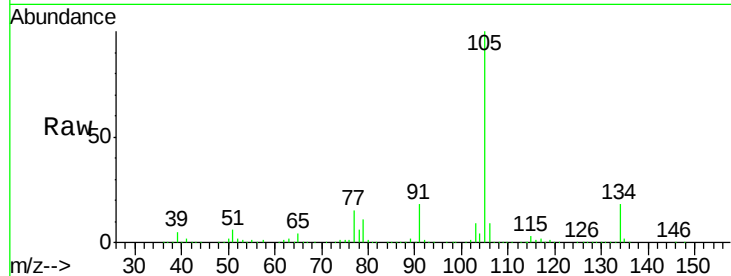
#67
 sec-Butylbenzene
 Concen: 10.029 ppbv
 RT: 17.45 min Scan# 4515
 Delta R.T. 0.00 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050119

Tot Ion:105 Resp: 5465182
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.6 21.8

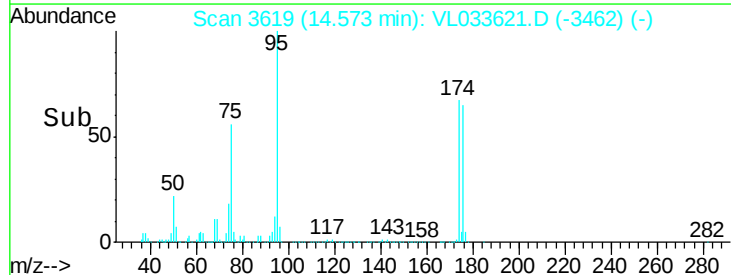
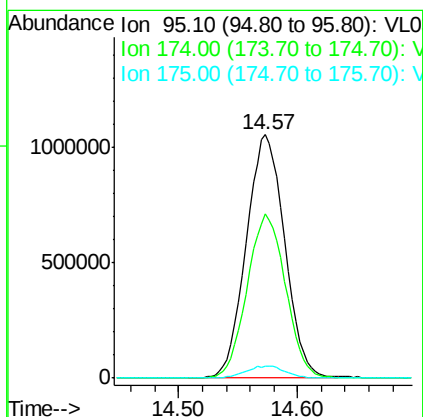
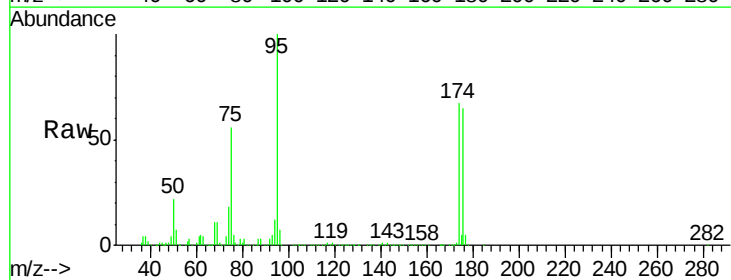
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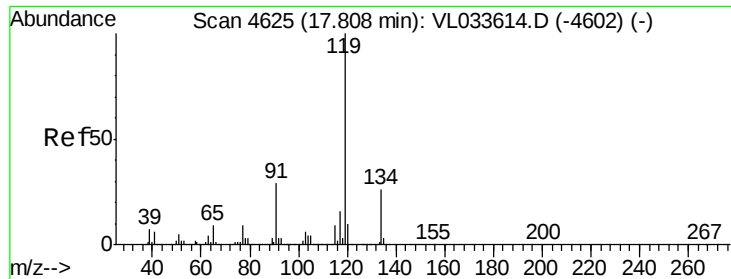
MMDadoda
 5/2/2019 4:04:22 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.978 ppbv
 RT: 14.57 min Scan# 3619
 Delta R.T. 0.01 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Tgt Ion: 95 Resp: 2356855
 Ion Ratio Lower Upper
 95 100
 174 67.6 53.9 80.9
 175 5.0 4.0 6.0





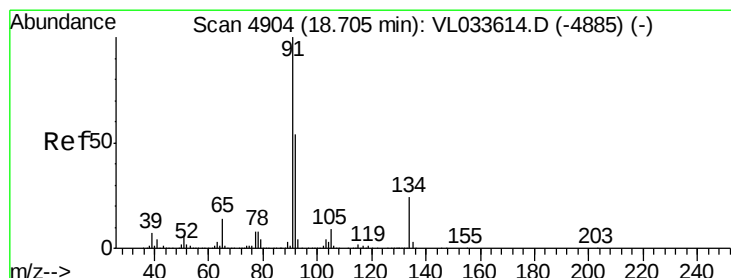
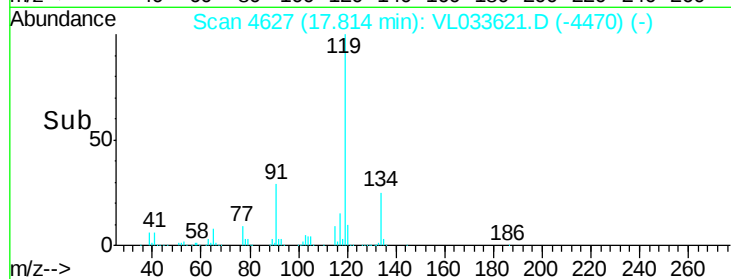
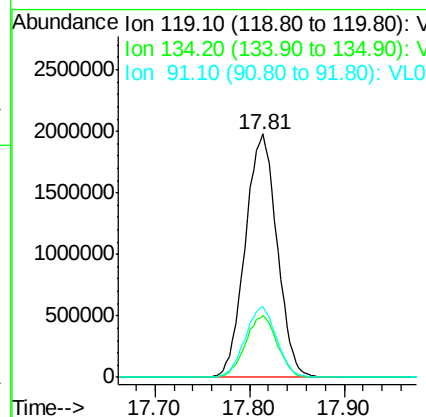
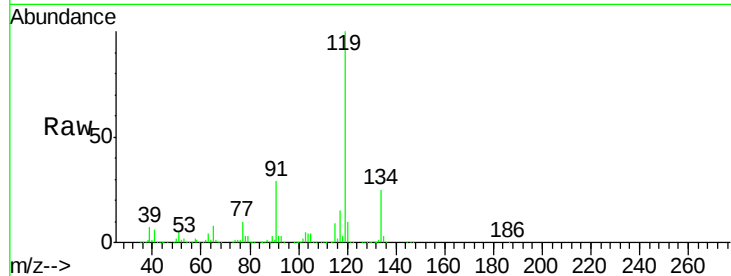
#69
 p-Isopropyltoluene
 Concen: 10.191 ppbv
 RT: 17.81 min Scan# 4627
 Delta R.T. 0.01 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050119

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.2
91	28.9	23.3	34.9

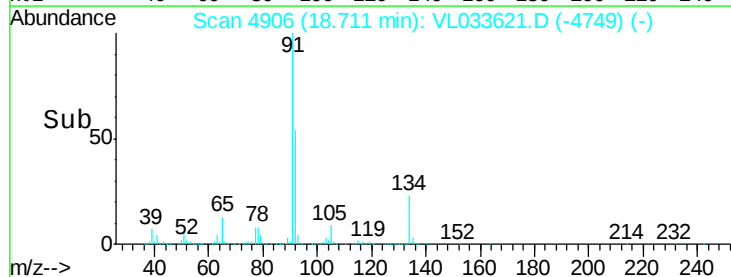
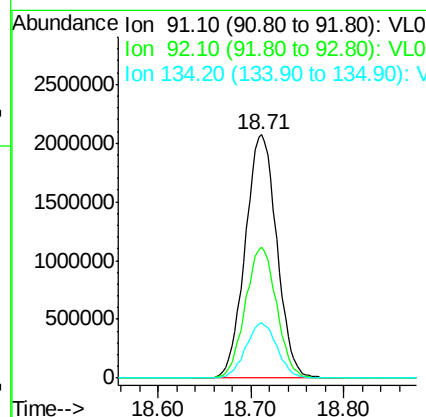
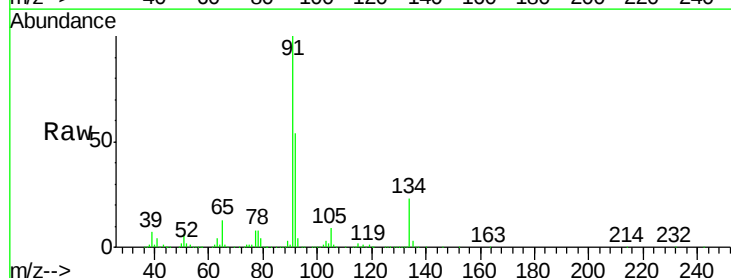
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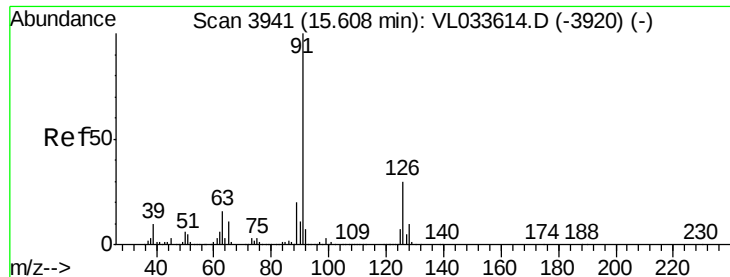
MMDadoda
 5/2/2019 4:04:22 PM



#70
 n-Butylbenzene
 Concen: 9.895 ppbv
 RT: 18.71 min Scan# 4906
 Delta R.T. 0.01 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.6	64.0
134	22.5	18.0	27.0





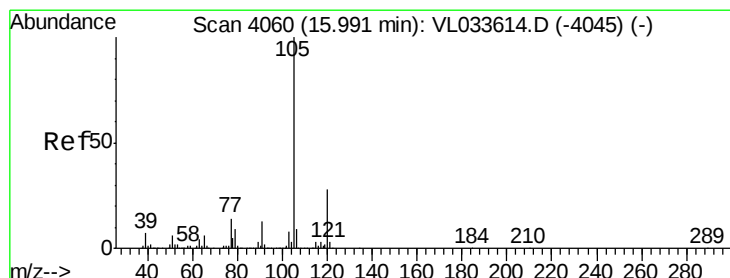
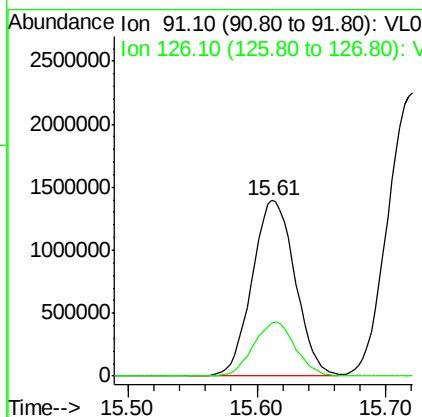
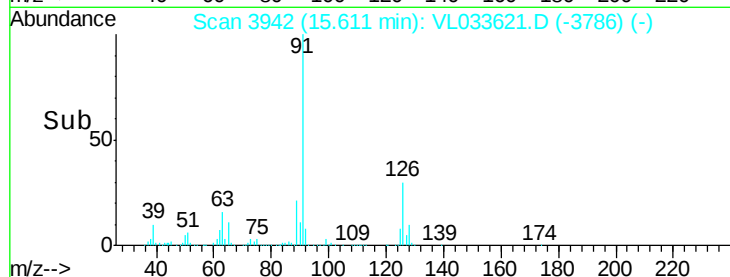
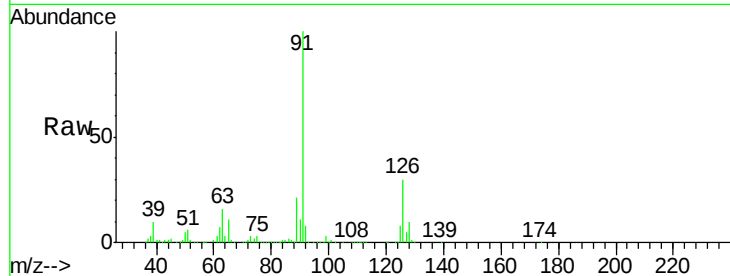
#71
2-Chlorotoluene
Concen: 10.452 ppbv
RT: 15.61 min Scan# 3942
Delta R.T. 0.00 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Instrument :
MSVOA_L
ClientSampleId :
ICVVL050119

Tot Ion: 91 Resp: 3243551
Ion Ratio Lower Upper
91 100
126 30.0 11.9 47.7

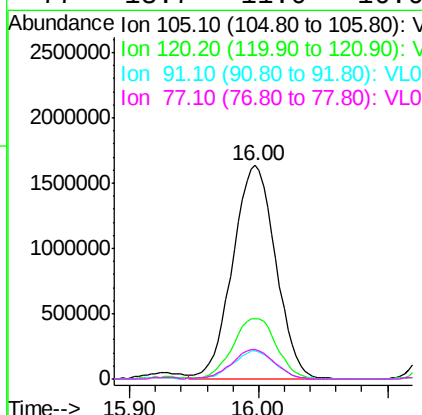
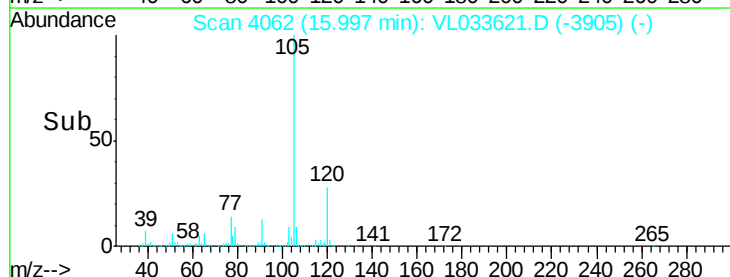
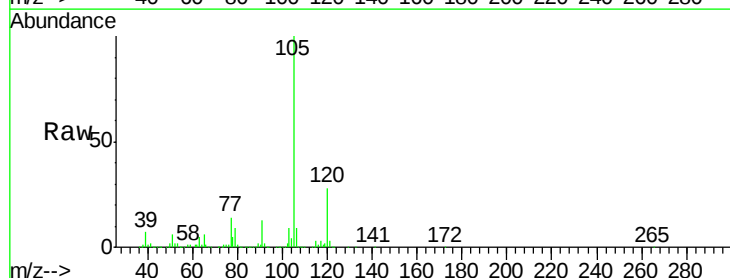
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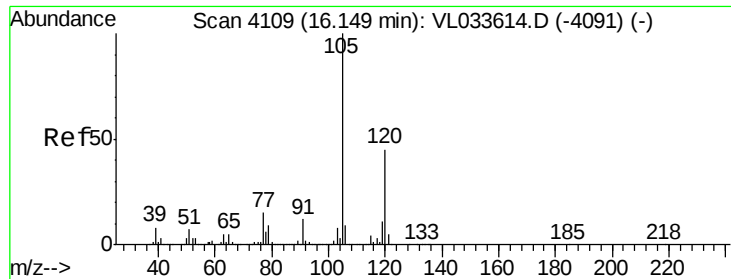
MMDadoda
5/2/2019 4:04:22 PM



#72
4-Ethyltoluene
Concen: 10.680 ppbv
RT: 16.00 min Scan# 4062
Delta R.T. 0.01 min
Lab File: VL033621.D
Acq: 1 May 2019 17:26

Tgt Ion:105 Resp: 3776987
Ion Ratio Lower Upper
105 100
120 29.1 23.2 34.8
91 12.9 10.3 15.5
77 13.7 11.0 16.6





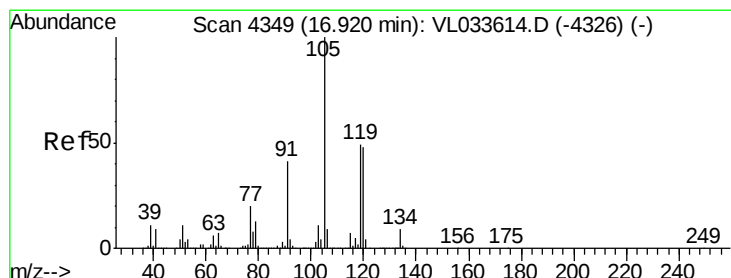
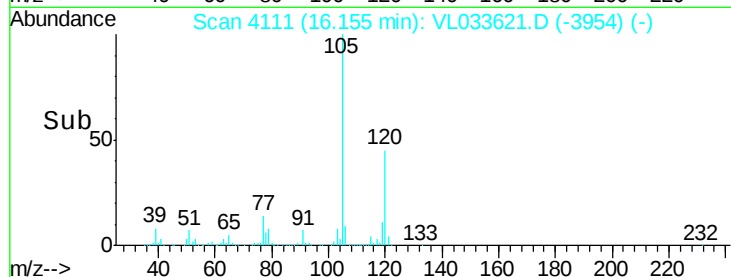
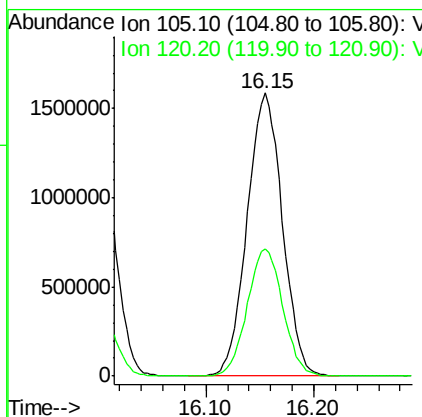
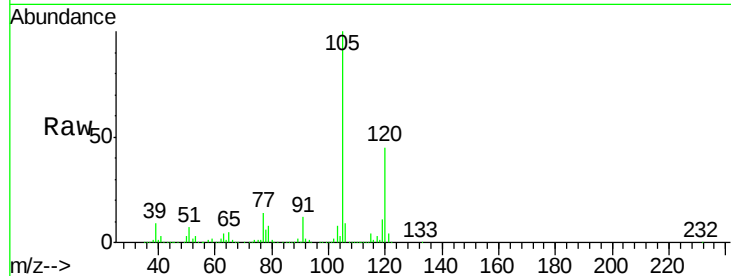
#73
 1,3,5-Trimethylbenzene
 Concen: 10.309 ppbv
 RT: 16.15 min Scan# 4111
 Delta R.T. 0.01 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050119

Tot Ion:105 Resp: 3585136
 Ion Ratio Lower Upper
 105 100
 120 44.8 36.2 54.2

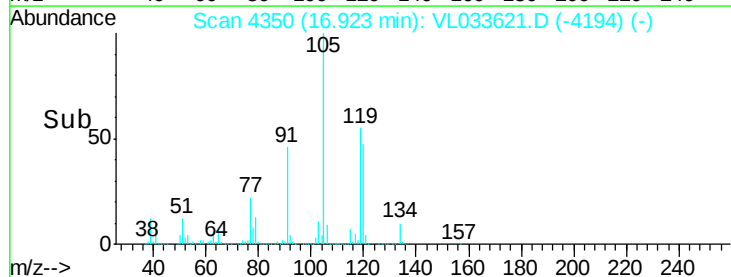
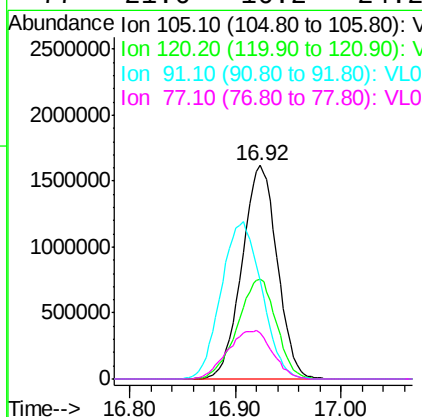
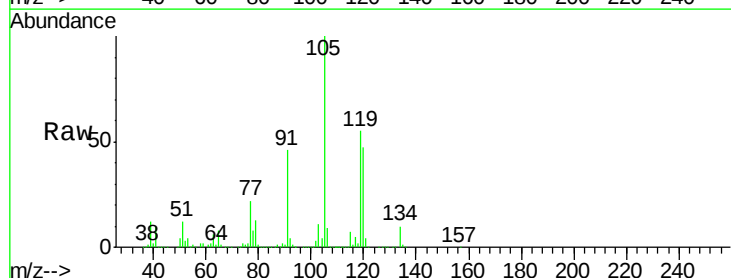
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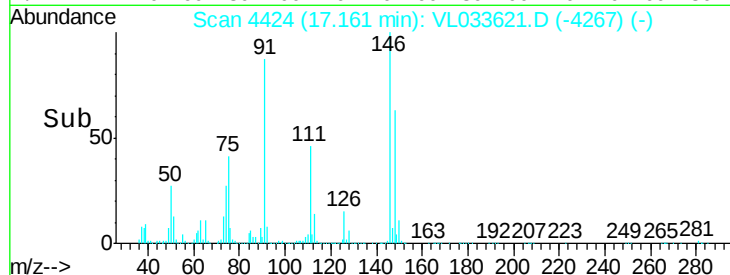
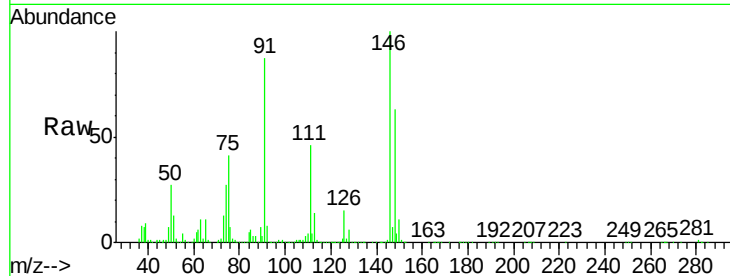
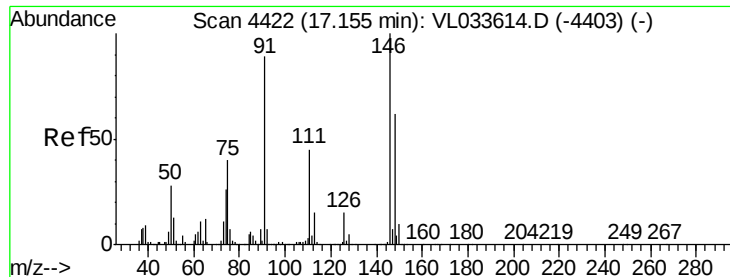
MMDadoda
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.704 ppbv
 RT: 16.92 min Scan# 4350
 Delta R.T. 0.00 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Tgt Ion:105 Resp: 3764126
 Ion Ratio Lower Upper
 105 100
 120 46.8 38.4 57.6
 91 46.0 33.0 49.4
 77 21.6 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 9.163 ppbv

RT: 17.16 min Scan# 4424

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.8	22.4	67.2
148	63.9	32.0	96.0

Instrument :

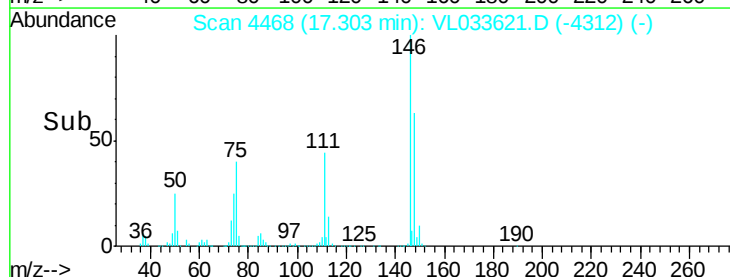
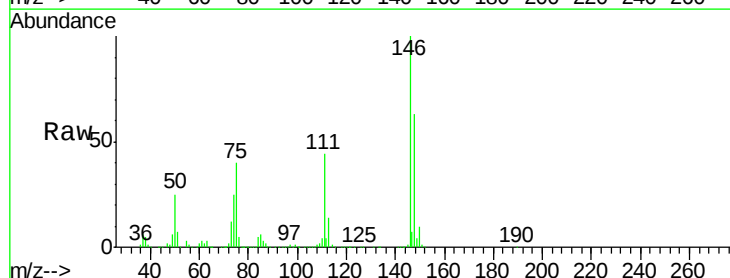
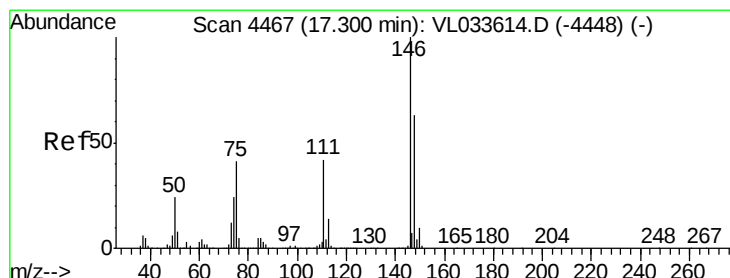
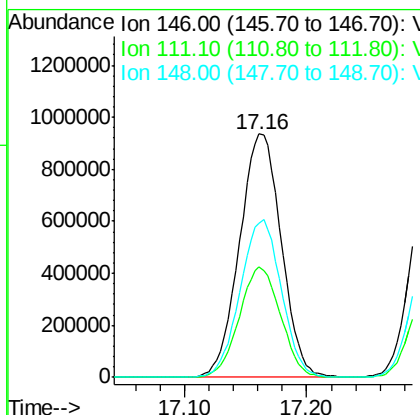
MSVOA_L

ClientSampleId :

ICVVL050119

Manual Integrations
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MMDadoda
5/2/2019 4:04:22 PM



#76

1,4-Dichlorobenzene

Concen: 9.617 ppbv

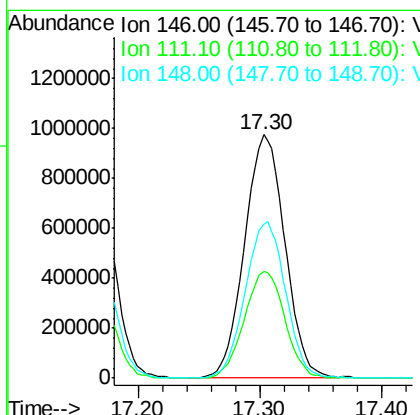
RT: 17.30 min Scan# 4468

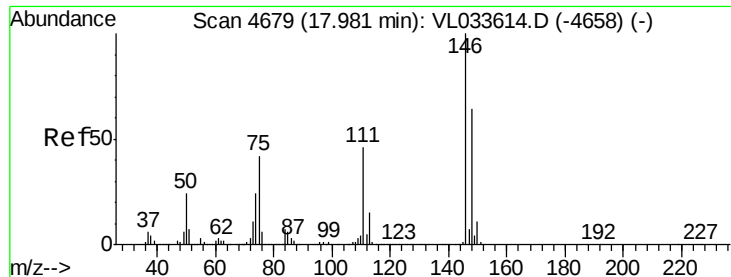
Delta R.T. 0.00 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Tgt Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.6	65.0
148	64.6	32.3	96.9





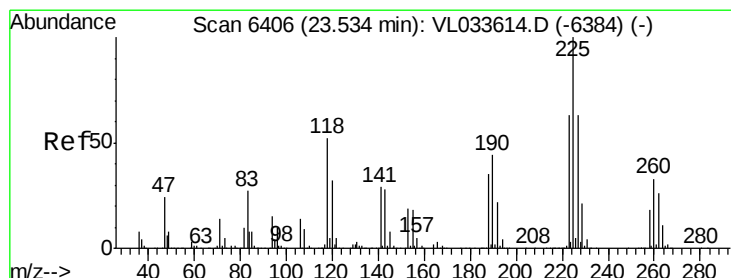
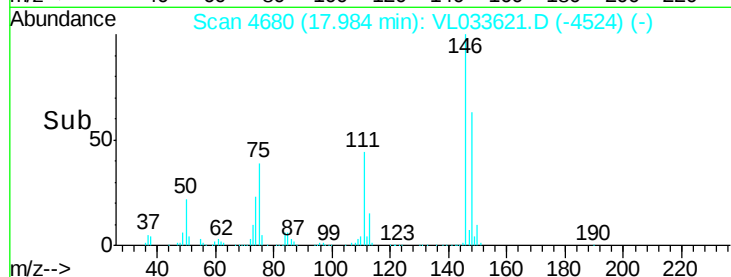
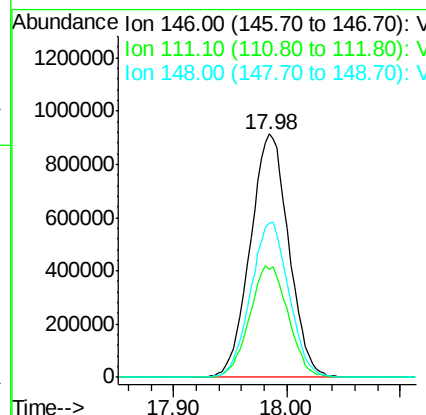
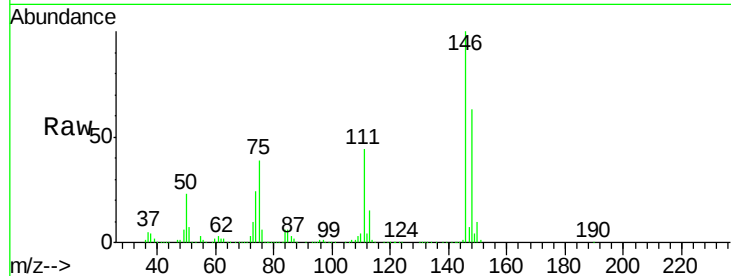
#77
 1,2-Dichlorobenzene
 Concen: 9.606 ppbv
 RT: 17.98 min Scan# 4680
 Delta R.T. 0.00 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050119

Tot Ion:146 Resp: 2157825
 Ion Ratio Lower Upper
 146 100
 111 46.3 23.3 69.9
 148 63.5 32.2 96.6

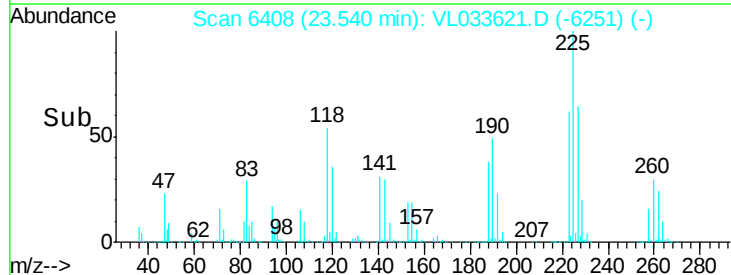
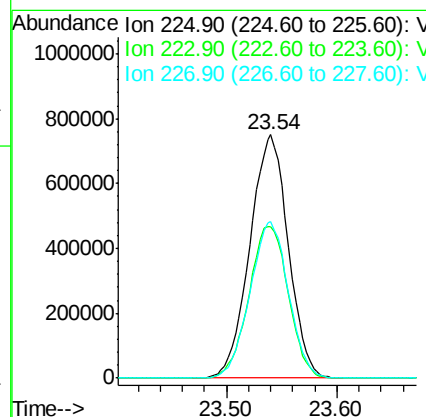
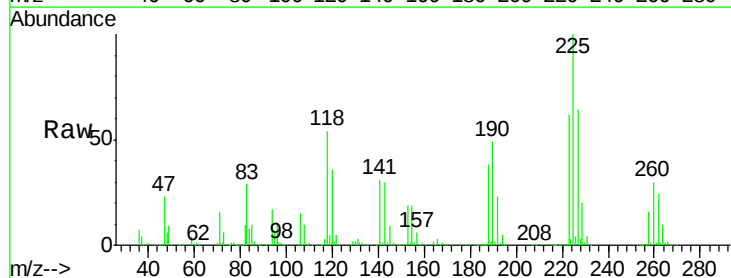
Manual Integrations
 APPROVED

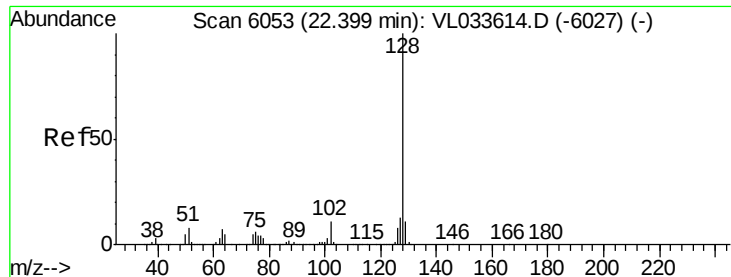
MMDadoda
 5/2/2019 4:04:22 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.523 ppbv
 RT: 23.54 min Scan# 6408
 Delta R.T. 0.01 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Tgt Ion:225 Resp: 1807390
 Ion Ratio Lower Upper
 225 100
 223 64.1 50.4 75.6
 227 64.5 50.7 76.1





#79

Naphthalene

Concen: 11.062 ppbv

RT: 22.41 min Scan# 6055

Delta R.T. 0.01 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

Instrument :

MSVOA_L

ClientSampleId :

ICVVL050119

Tot Ion:128 Resp: 3957143

Ion Ratio Lower Upper

128 100

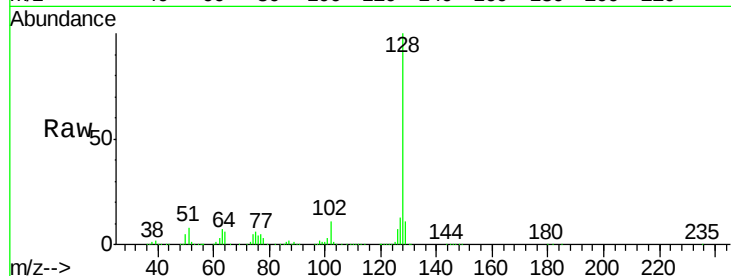
127 12.7 10.6 16.0

129 11.1 8.6 13.0

Manual Integrations
APPROVED

MMDadoda

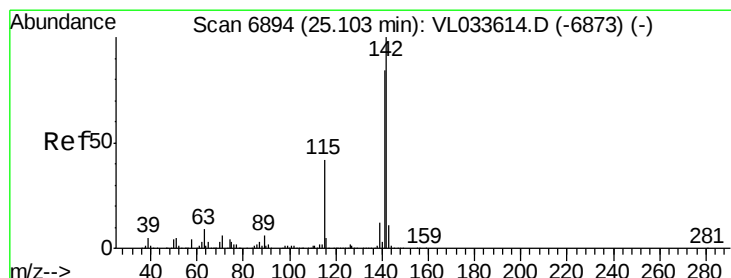
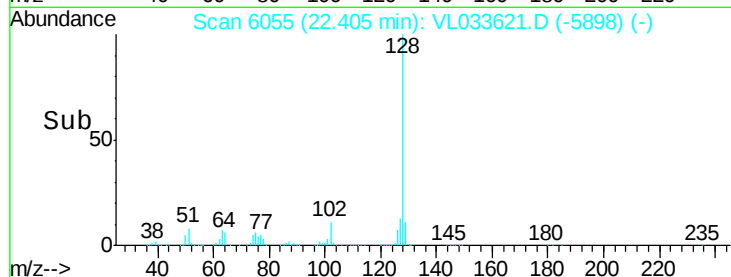
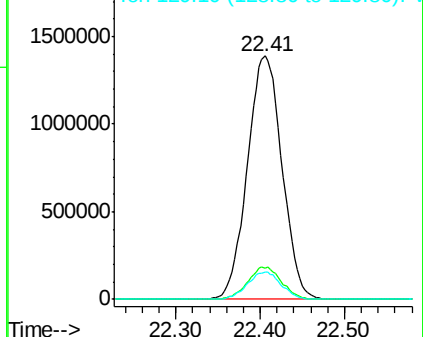
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 12.378 ppbv

RT: 25.11 min Scan# 6895

Delta R.T. 0.00 min

Lab File: VL033621.D

Acq: 1 May 2019 17:26

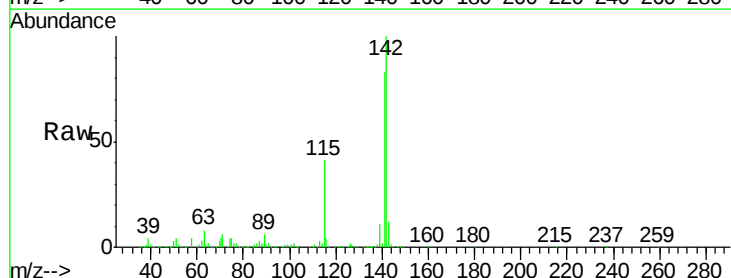
Tgt Ion:142 Resp: 1919503

Ion Ratio Lower Upper

142 100

141 84.0 67.3 100.9

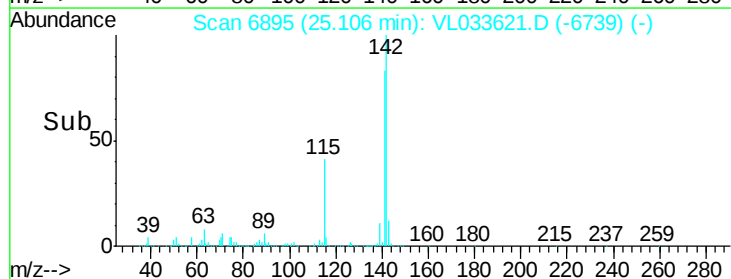
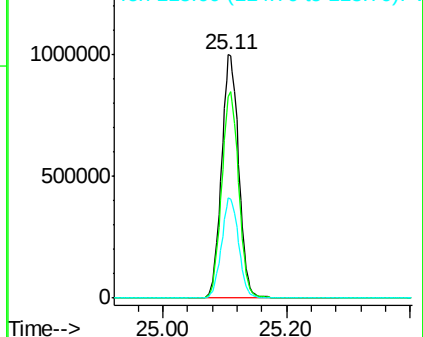
115 41.1 33.8 50.8

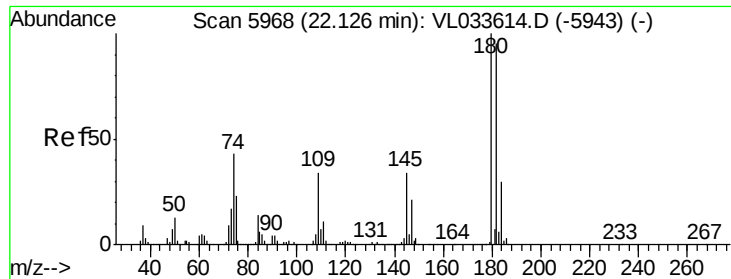


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 10.242 ppbv
 RT: 22.13 min Scan# 5969
 Delta R.T. 0.00 min
 Lab File: VL033621.D
 Acq: 1 May 2019 17:26

Instrument :
 MSVOA_L
 ClientSampleId :
 ICVVL050119

Tot Ion:	180	Resp:	2124690
Ion Ratio	Lower	Upper	
180	100		
182	95.9	76.2	114.2
184	30.6	24.5	36.7

Manual Integrations
 APPROVED

MMDadoda
 5/2/2019 4:04:22 PM

