

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080118\
 Data File : VL032330.D
 Acq On : 1 Aug 2018 19:11
 Operator : SY/AP
 Sample : VL0801ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 2:04:53 PM

Quant Time: Aug 02 01:05:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1875036	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4805960	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4998546m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.66	95	3796756	9.79	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	1792642	7.93	ppbv	98
3) Chlorodifluoromethane	3.06	51	1818876	9.70	ppbv	100
4) Chloromethane	3.22	50	1121926	9.88	ppbv	99
5) Vinyl Chloride	3.34	62	1020353	9.89	ppbv	97
6) Bromomethane	3.56	94	557416	9.84	ppbv	93
7) Chloroethane	3.65	64	373786	10.19	ppbv	97
8) Dichlorotetrafluoroethane	3.27	85	2092264	9.16	ppbv	99
9) Propene	3.08	41	871419	10.34	ppbv	99
10) Heptane	8.32	43	3062684	10.35	ppbv	99
11) Trichlorofluoromethane	4.06	101	2074034	9.60	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1420609	9.63	ppbv	98
13) Ethanol	3.70	45	222189	9.17	ppbv	99
14) Bromoethene	3.84	108	656954	10.15	ppbv	99
15) Acetone	3.95	43	1856915	10.51	ppbv	99
16) 1,3-Butadiene	3.41	39	905149	9.88	ppbv	96
17) tert-Butyl alcohol	4.42	59	540284	9.62	ppbv	100
18) 1,1-Dichloroethene	4.41	96	690103	10.08	ppbv	95
19) Isopropyl Alcohol	4.08	45	1290749	10.95	ppbv	99
20) Methylene Chloride	4.47	84	634185	8.93	ppbv	98
21) Allyl Chloride	4.54	41	1245621	10.33	ppbv	100
22) trans-1,2-Dichloroethene	5.03	96	708232	10.73	ppbv	99
23) Vinyl Acetate	5.22	43	3342744	10.54	ppbv	98
24) 1,1-Dichloroethane	5.15	63	2215265	9.74	ppbv	99
25) Ethyl Acetate	5.84	43	3802678	9.59	ppbv	100
26) Hexane	5.85	57	1735012	9.67	ppbv	99
27) Carbon Disulfide	4.68	76	1758125	10.78	ppbv	99
28) Methyl tert-Butyl Ether	5.18	73	2587210	10.66	ppbv	100
29) Chloroform	5.92	83	2484929	9.52	ppbv	98
30) Cyclohexane	7.32	84	1535749	10.97	ppbv	100
31) cis-1,2-Dichloroethene	5.71	61	1726534	10.38	ppbv	97
32) 1,1,1-Trichloroethane	6.69	97	2428872	10.51	ppbv	99
34) 2-Butanone	5.39	43	2607927	8.38	ppbv	100
35) Carbon Tetrachloride	7.21	117	2410239	8.83	ppbv	100
36) Benzene	7.08	78	3589359	8.47	ppbv	99
37) 1,2-Dichloroethane	6.49	62	2028592	8.29	ppbv	99
38) Trichloroethene	8.04	130	1400154	8.55	ppbv	97
39) 1,2-Dichloropropane	7.81	63	1778402	8.34	ppbv	98
40) 1,4-Dioxane	8.04	88	522205	8.34	ppbv	88
41) Tetrahydrofuran	6.22	42	1568553	8.91	ppbv	99
42) Bromodichloromethane	8.00	83	3302212	8.33	ppbv	98
43) Methyl Methacrylate	8.22	69	1836704	9.03	ppbv	99

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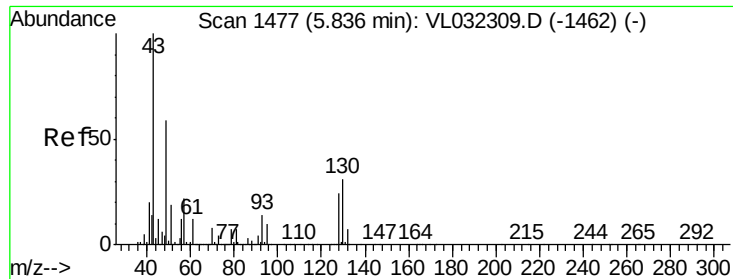
Manual Integrations
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MMDadoda
 8/2/2018 2:04:53 PM

Quant Time: Aug 02 01:05:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	7570807	8.24	ppbv	100
45) t-1,3-Dichloropropene	9.49	75	2208895	9.37	ppbv	99
46) cis-1,3-Dichloropropene	8.91	75	2648309	9.17	ppbv	99
47) 1,1,2-Trichloroethane	9.70	97	1658814	8.01	ppbv	99
48) Dibromochloromethane	10.54	129	2590178	8.48	ppbv	99
49) Bromoform	13.29	173	2130062	8.47	ppbv	99
50) 4-Methyl-2-Pentanone	8.95	43	4681810	8.53	ppbv	100
51) 2-Hexanone	10.35	43	3793138	9.07	ppbv #	100
52) Tetrachloroethene	11.46	164	1247376	8.74	ppbv	98
53) Toluene	10.03	91	4701289	9.28	ppbv	99
54) 1,2-Dibromoethane	10.85	107	2495713	8.48	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.37	131	1846937	8.96	ppbv #	55
57) Chlorobenzene	12.39	112	3381921	8.70	ppbv	99
58) Ethyl Benzene	12.95	91	6300836	10.05	ppbv	100
59) m/p-Xylene	13.24	91	10070682m	18.87	ppbv	
60) o-Xylene	13.94	91	4903736	9.37	ppbv	98
61) Styrene	13.77	104	3867422	10.05	ppbv	99
62) Isopropylbenzene	14.91	105	6927766	9.32	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.92	83	3694217	8.68	ppbv	99
64) n-propylbenzene	15.81	120	1815382	9.38	ppbv	98
65) tert-Butylbenzene	16.99	119	5699889	9.08	ppbv	100
66) Benzyl Chloride	17.24	91	3634487	9.71	ppbv	100
67) sec-Butylbenzene	17.54	105	8564678	9.11	ppbv	100
69) p-Isopropyltoluene	17.90	119	6800963	9.34	ppbv	100
70) n-Butylbenzene	18.80	91	7532691	8.96	ppbv	99
71) 2-Chlorotoluene	15.70	91	5562799	9.54	ppbv	100
72) 4-Ethyltoluene	16.08	105	5763634	9.83	ppbv	100
73) 1,3,5-Trimethylbenzene	16.24	105	5401183	9.36	ppbv	100
74) 1,2,4-Trimethylbenzene	17.01	105	5346973	8.79	ppbv	98
75) 1,3-Dichlorobenzene	17.25	146	2972638	8.44	ppbv	99
76) 1,4-Dichlorobenzene	17.39	146	3051500	9.03	ppbv	100
77) 1,2-Dichlorobenzene	18.07	146	2956970	8.54	ppbv	99
78) Hexachloro-1,3-Butadiene	23.62	225	867701	7.13	ppbv	99
79) Naphthalene	22.51	128	5081984	9.63	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2180284	10.44	ppbv	99
81) 1,2,4-Trichlorobenzene	22.23	180	2396853	9.09	ppbv	99

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.83 min Scan# 1475

Delta R.T. -0.01 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion: 49 Resp: 1875036

Ion Ratio Lower Upper

49 100

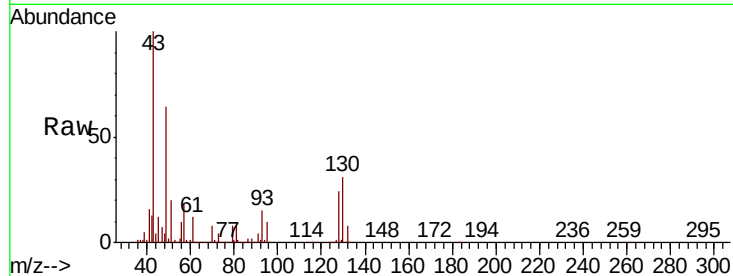
128 39.9 20.2 60.6

130 50.7 25.8 77.3

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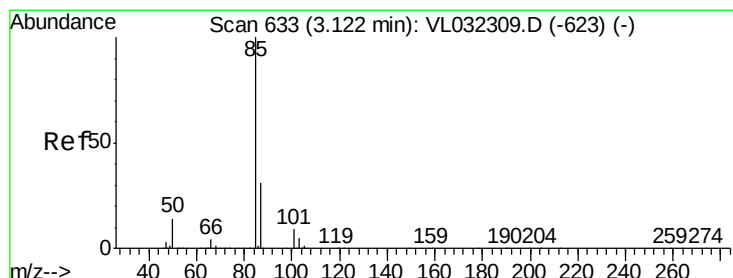
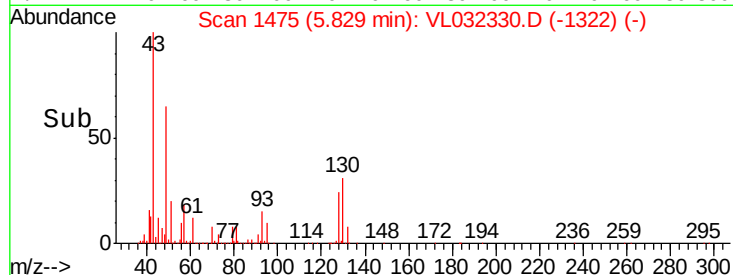
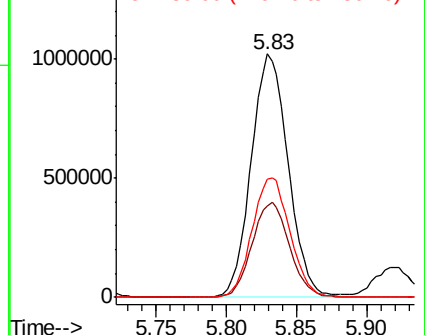
8/2/2018 2:04:53 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.93 ppbv

RT: 3.12 min Scan# 632

Delta R.T. -0.00 min

Lab File: VL032330.D

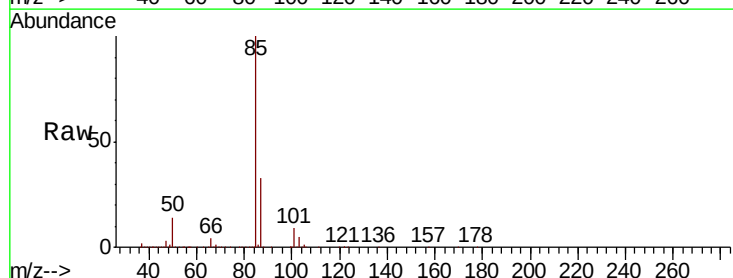
Acq: 1 Aug 2018 19:11

Tgt Ion: 85 Resp: 1792642

Ion Ratio Lower Upper

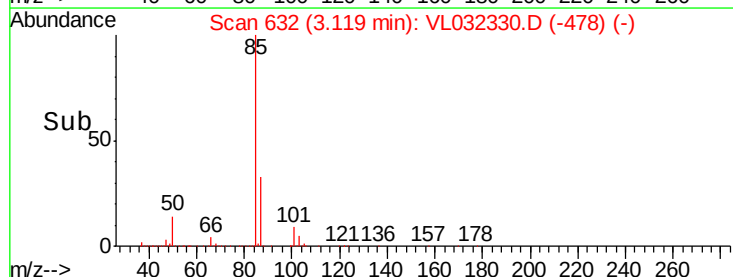
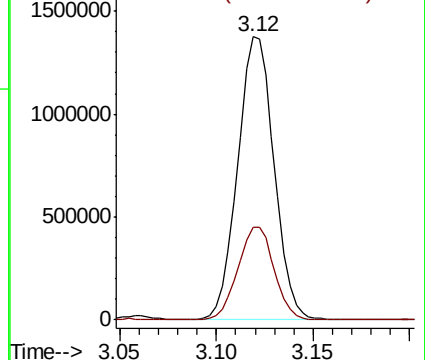
85 100

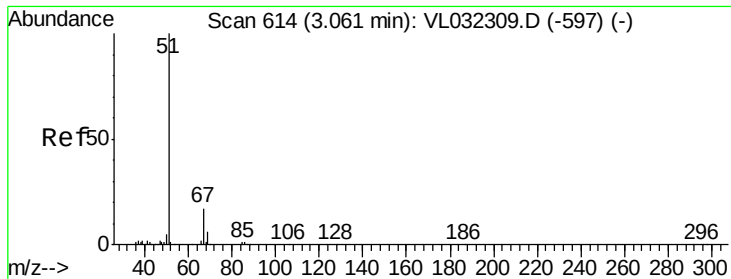
87 32.8 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.70 ppbv

RT: 3.06 min Scan# 613

Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion: 51 Resp: 1818876

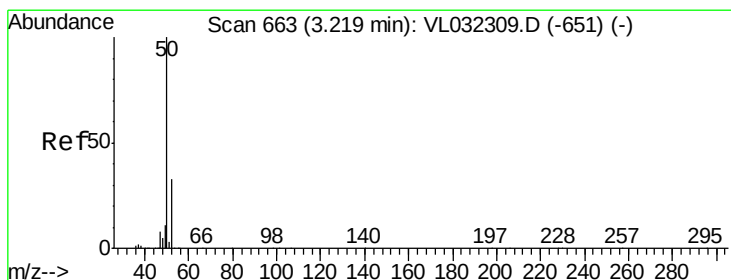
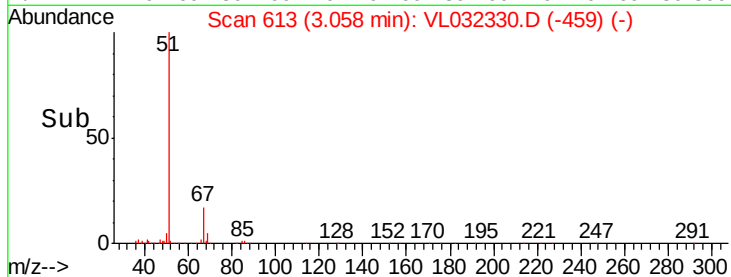
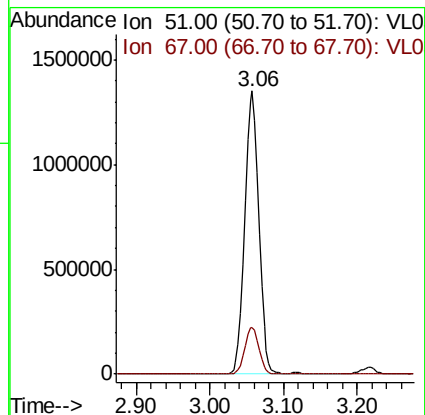
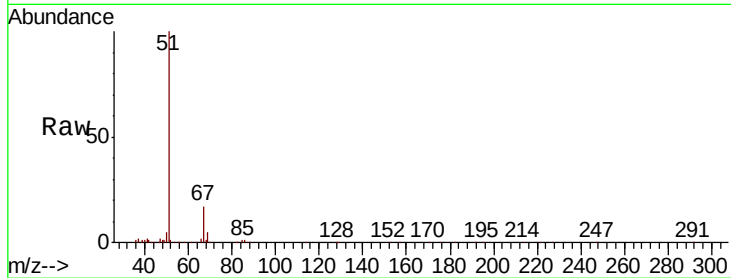
Ion Ratio Lower Upper

51 100

67 16.8 13.5 20.3

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#4

Chloromethane

Concen: 9.88 ppbv

RT: 3.22 min Scan# 662

Delta R.T. -0.00 min

Lab File: VL032330.D

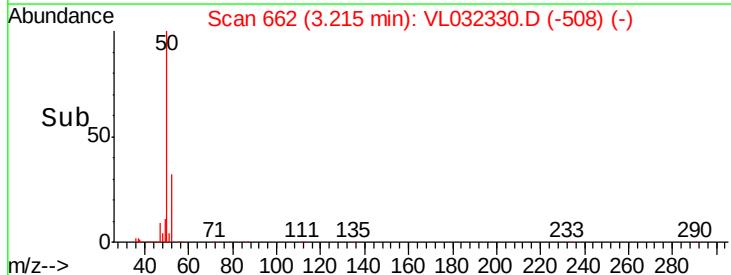
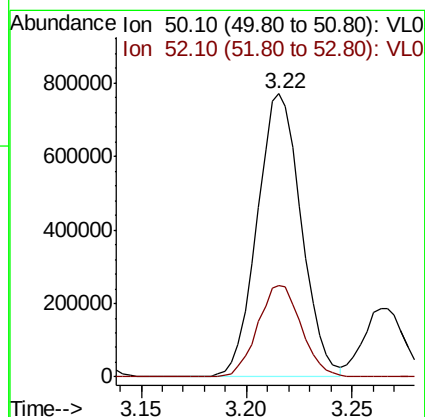
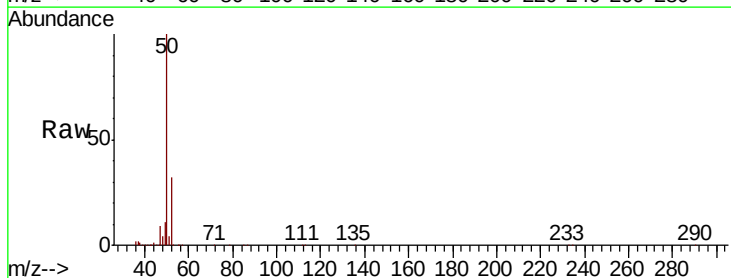
Acq: 1 Aug 2018 19:11

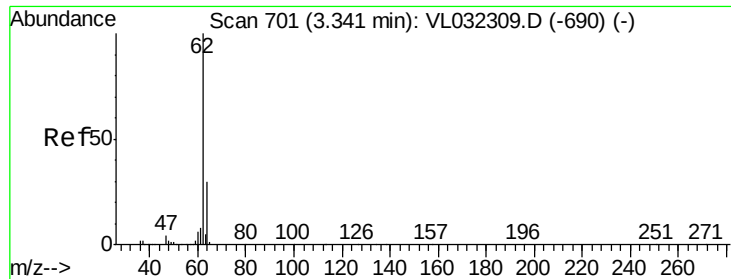
Tgt Ion: 50 Resp: 1121926

Ion Ratio Lower Upper

50 100

52 32.4 26.2 39.4





#5

Vinyl Chloride

Concen: 9.89 ppbv

RT: 3.34 min Scan# 700

Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion: 62 Resp: 1020353

Ion Ratio Lower Upper

62 100

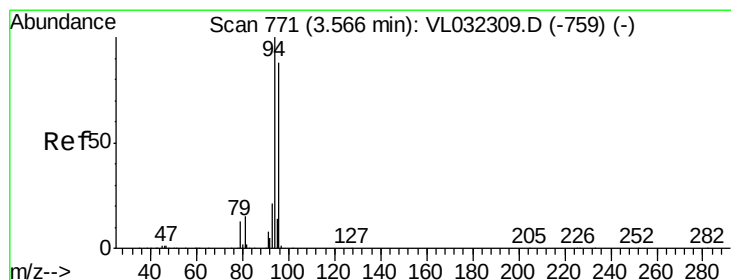
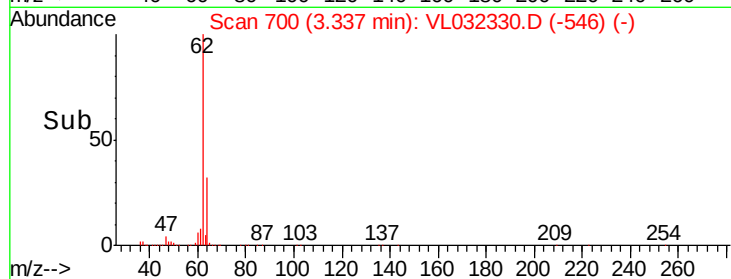
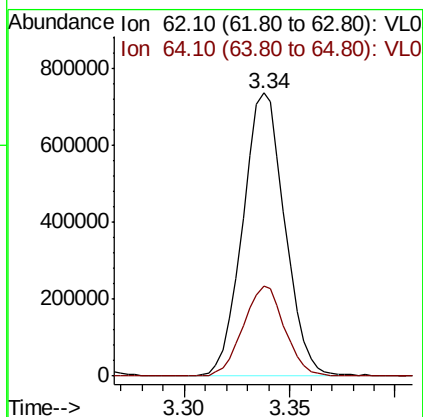
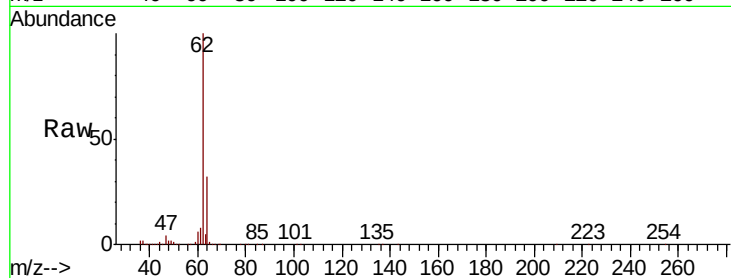
64 31.7 24.1 36.1

Manual Integrations

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#6

Bromomethane

Concen: 9.84 ppbv

RT: 3.56 min Scan# 770

Delta R.T. -0.00 min

Lab File: VL032330.D

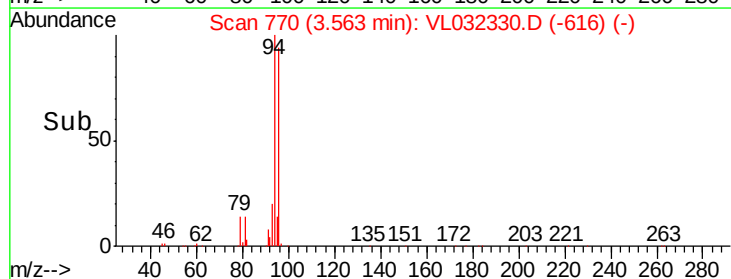
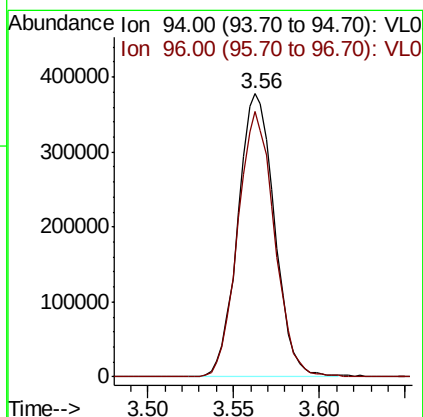
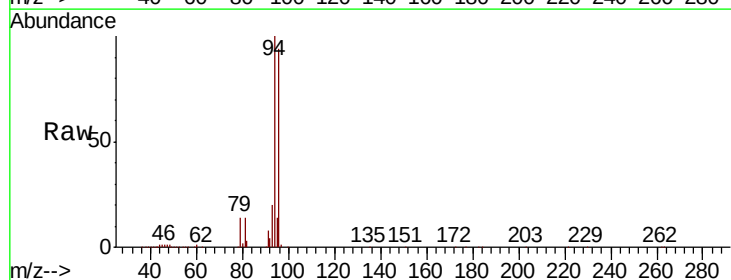
Acq: 1 Aug 2018 19:11

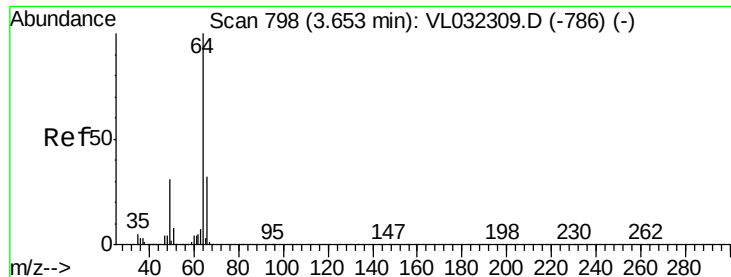
Tgt Ion: 94 Resp: 557416

Ion Ratio Lower Upper

94 100

96 93.9 70.2 105.4





#7

Chloroethane

Concen: 10.19 ppbv

RT: 3.65 min Scan# 797

Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion: 64 Resp: 373786

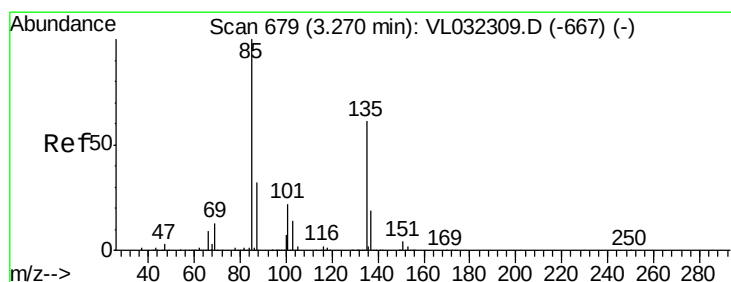
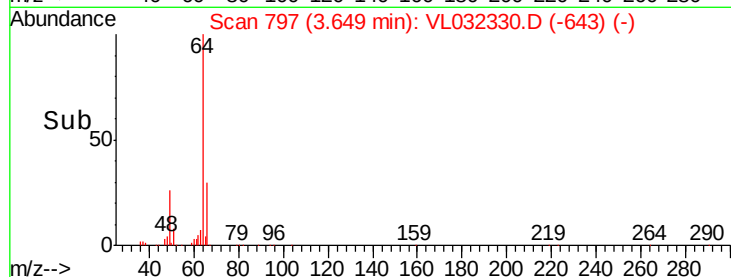
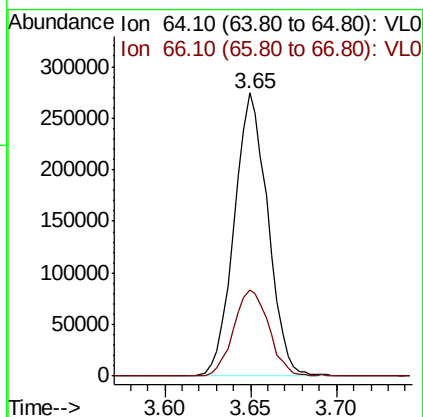
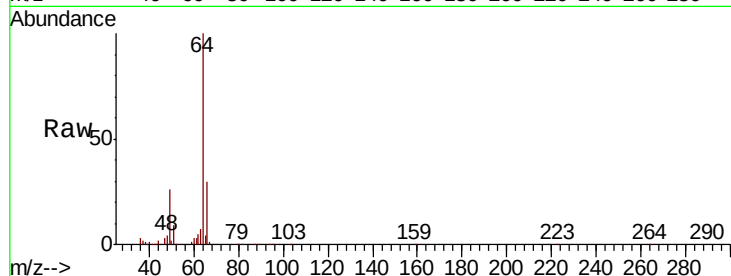
Ion Ratio Lower Upper

64 100

66 30.4 25.7 38.5

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 9.16 ppbv

RT: 3.27 min Scan# 678

Delta R.T. -0.00 min

Lab File: VL032330.D

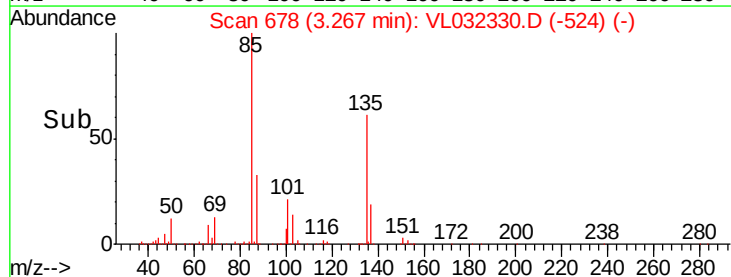
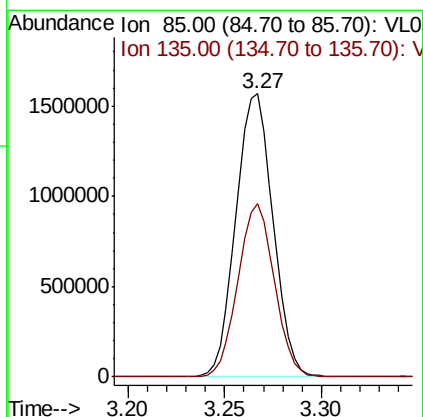
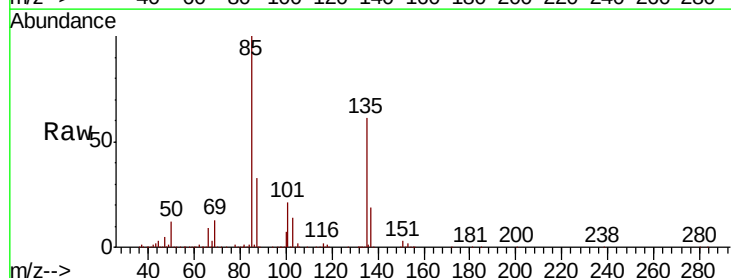
Acq: 1 Aug 2018 19:11

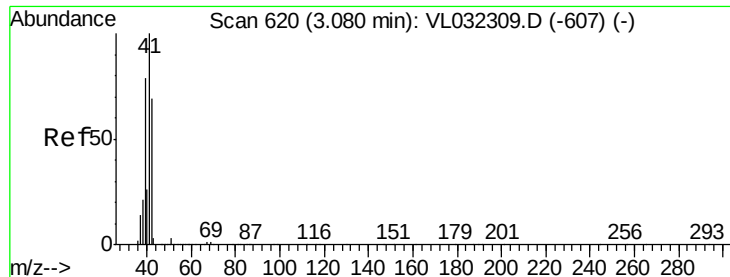
Tgt Ion: 85 Resp: 2092264

Ion Ratio Lower Upper

85 100

135 60.1 48.7 73.1





#9

Propene

Concen: 10.34 ppbv

RT: 3.08 min Scan# 620

Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion: 41 Resp: 871419

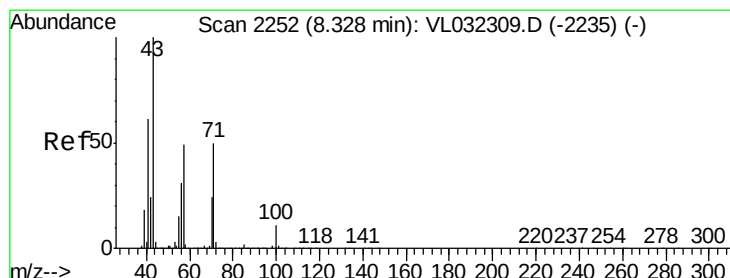
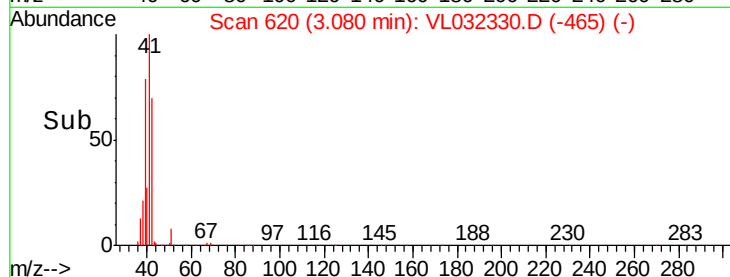
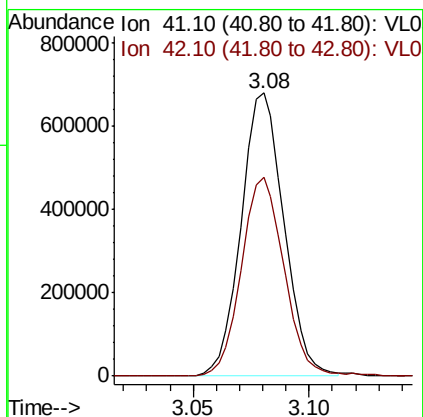
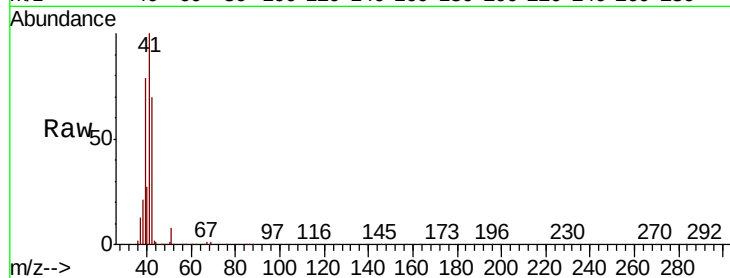
Ion Ratio Lower Upper

41 100

42 70.5 56.8 85.2

Manual Integrations
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#10

Heptane

Concen: 10.35 ppbv

RT: 8.32 min Scan# 2251

Delta R.T. -0.00 min

Lab File: VL032330.D

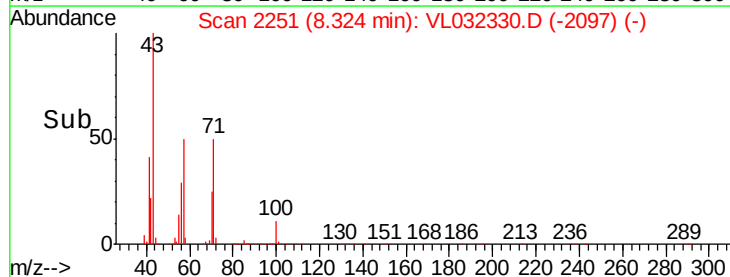
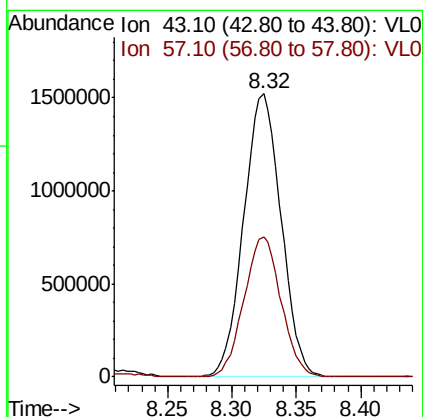
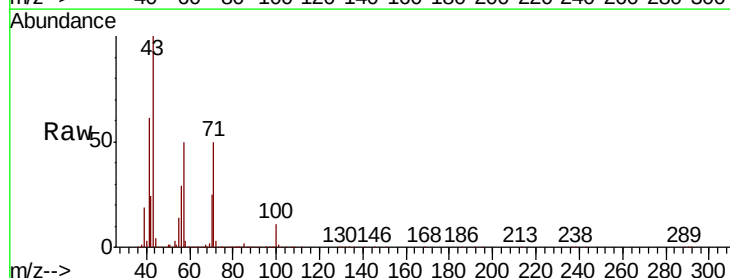
Acq: 1 Aug 2018 19:11

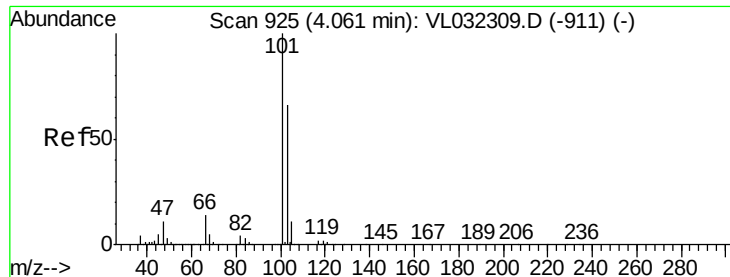
Tgt Ion: 43 Resp: 3062684

Ion Ratio Lower Upper

43 100

57 49.2 39.0 58.4





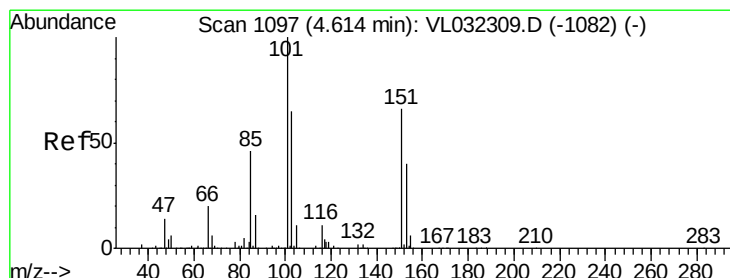
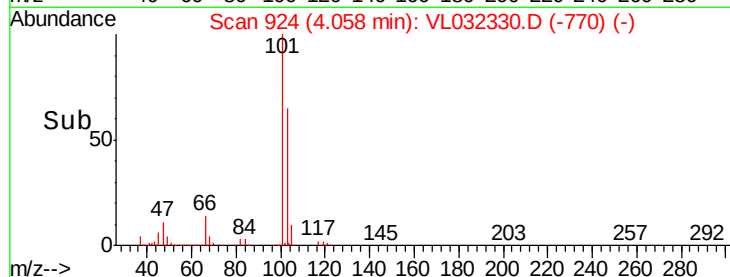
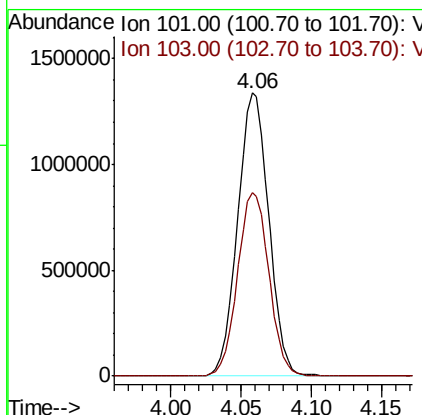
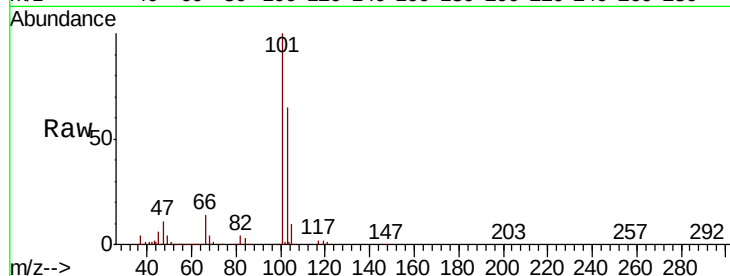
#11
 Trichlorofluoromethane
 Concen: 9.60 ppbv
 RT: 4.06 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Tot Ion:101 Resp: 2074034
 Ion Ratio Lower Upper
 101 100
 103 65.0 52.6 78.8

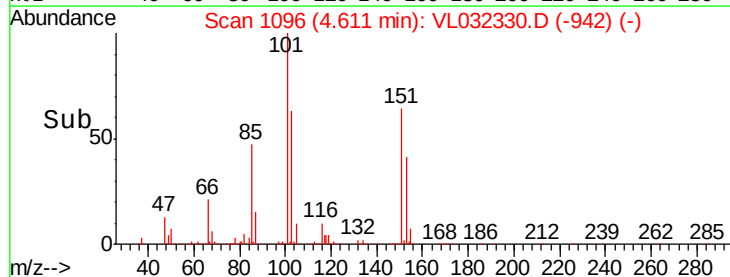
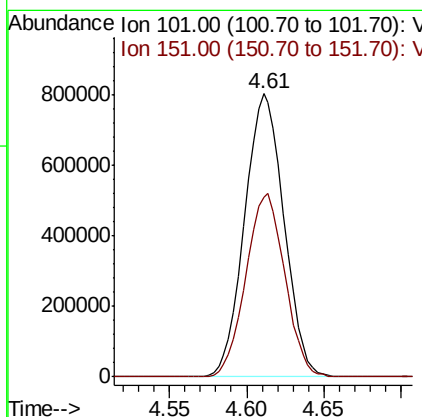
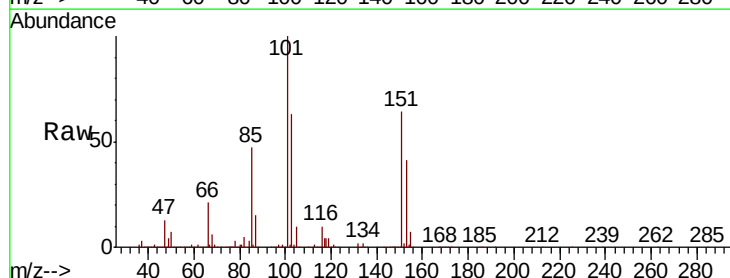
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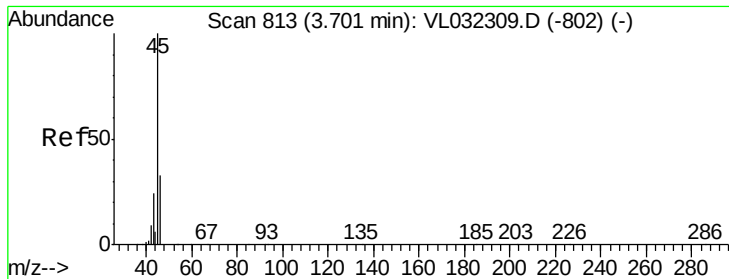
MMDadoda
 8/2/2018 2:04:53 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.63 ppbv
 RT: 4.61 min Scan# 1096
 Delta R.T. -0.00 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Tgt Ion:101 Resp: 1420609
 Ion Ratio Lower Upper
 101 100
 151 64.3 52.4 78.6





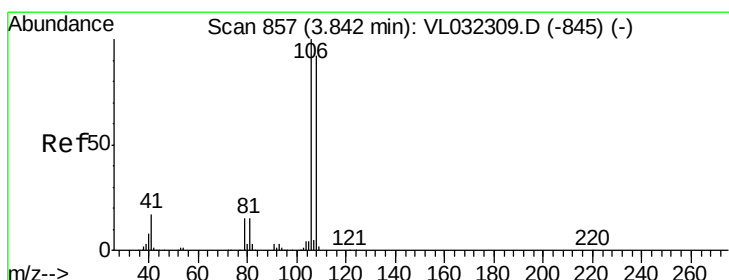
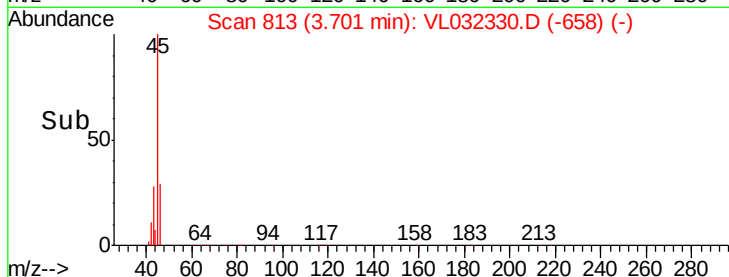
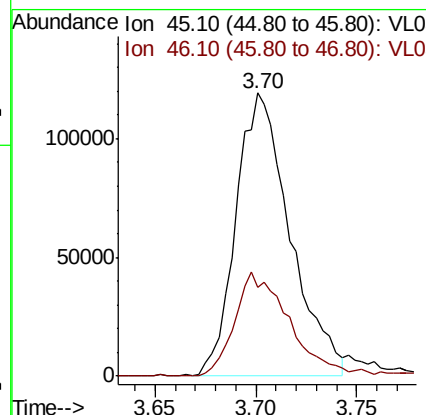
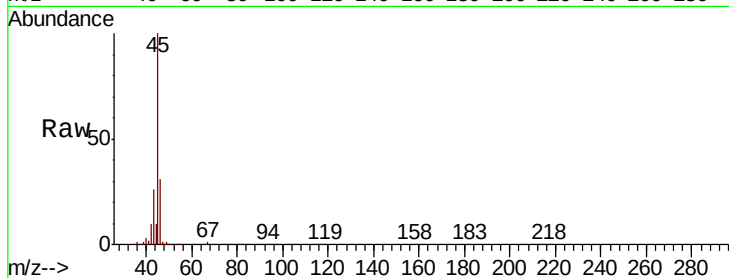
#13
Ethanol
Concen: 9.17 ppbv
RT: 3.70 min Scan# 813
Delta R.T. -0.00 min
Lab File: VL032330.D
Acq: 1 Aug 2018 19:11

Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

Tot Ion	45	Resp	222189
Ion Ratio	100	Lower	Upper
46	38.5	15.2	60.6

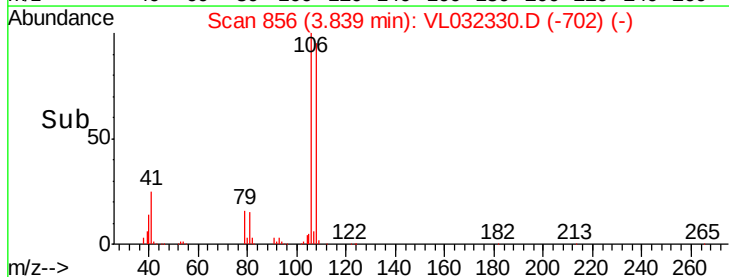
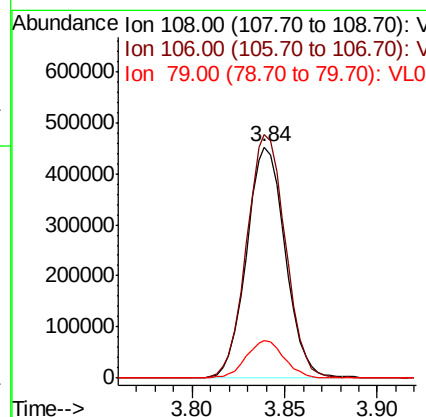
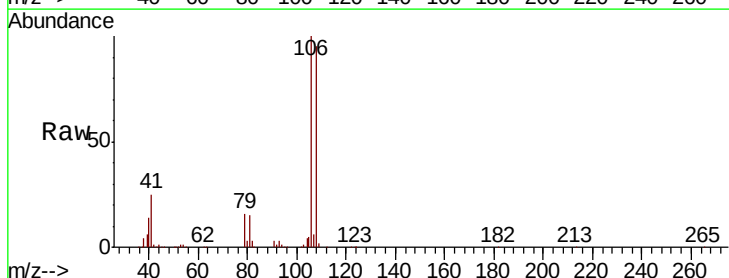
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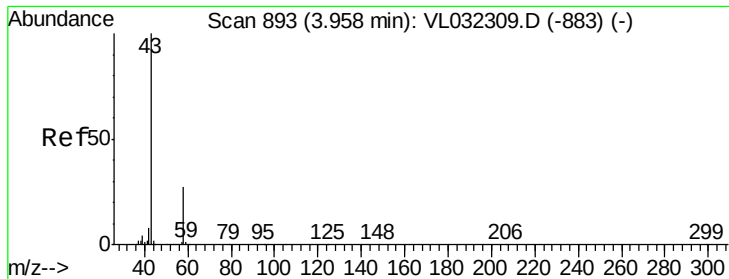
MMDadoda
8/2/2018 2:04:53 PM



#14
Bromoethene
Concen: 10.15 ppbv
RT: 3.84 min Scan# 856
Delta R.T. -0.00 min
Lab File: VL032330.D
Acq: 1 Aug 2018 19:11

Tgt Ion	108	Resp	656954
Ion Ratio	100	Lower	Upper
106	106.6	86.0	129.0
79	16.2	12.8	19.2





#15

Acetone

Concen: 10.51 ppbv

RT: 3.95 min Scan# 892

Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampled :

VL0801ABS01

Tot Ion: 43 Resp: 1856915

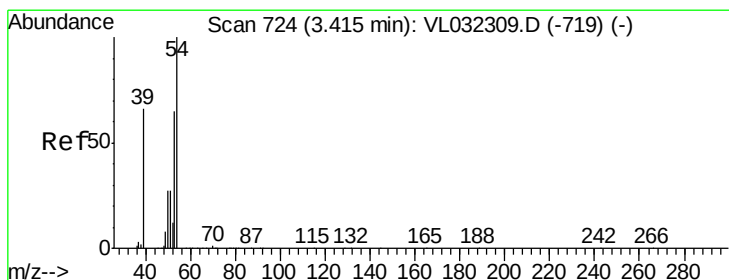
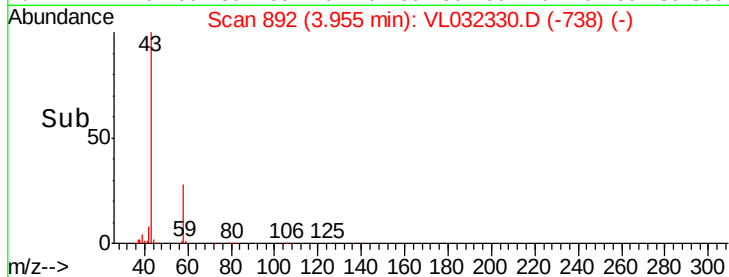
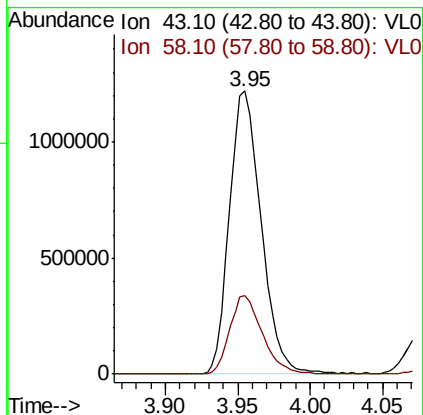
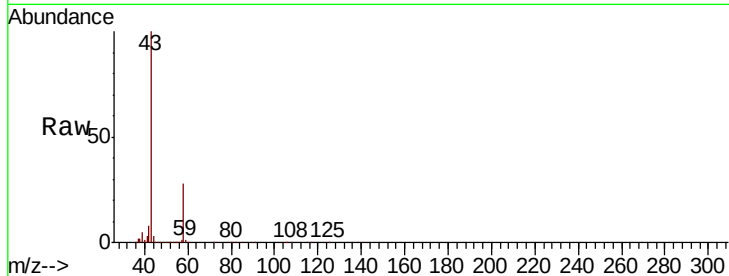
Ion Ratio Lower Upper

43 100

58 28.6 22.5 33.7

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#16

1,3-Butadiene

Concen: 9.88 ppbv

RT: 3.41 min Scan# 723

Delta R.T. -0.00 min

Lab File: VL032330.D

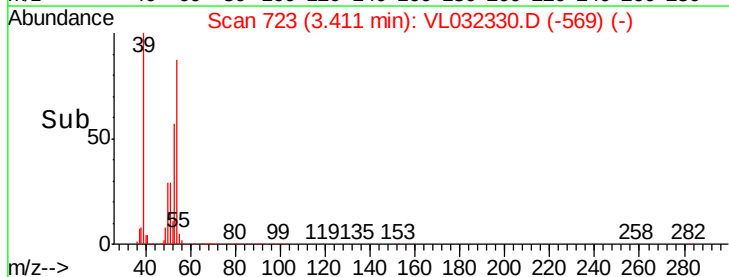
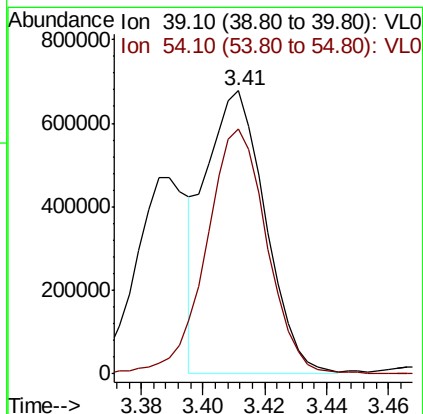
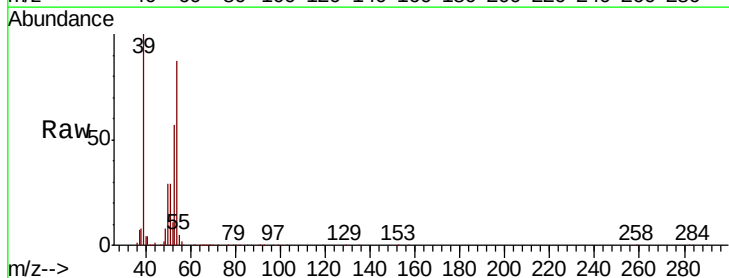
Acq: 1 Aug 2018 19:11

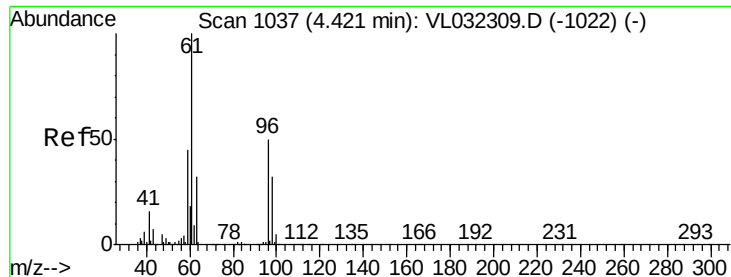
Tgt Ion: 39 Resp: 905149

Ion Ratio Lower Upper

39 100

54 89.0 74.3 111.5





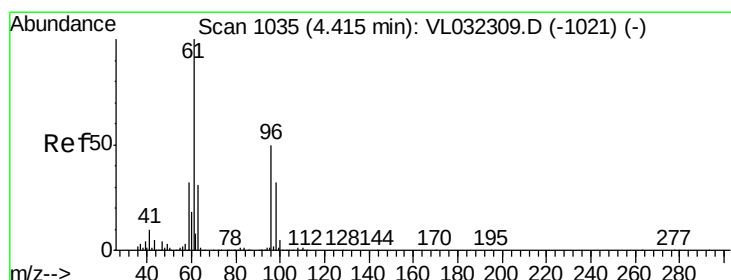
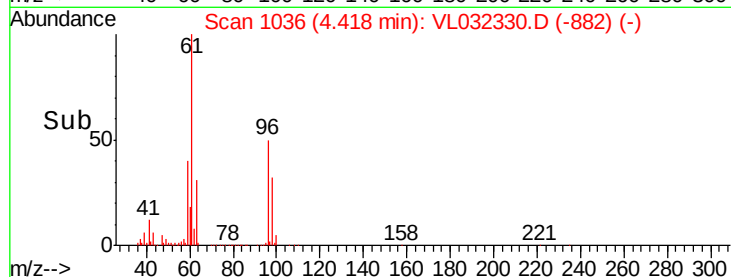
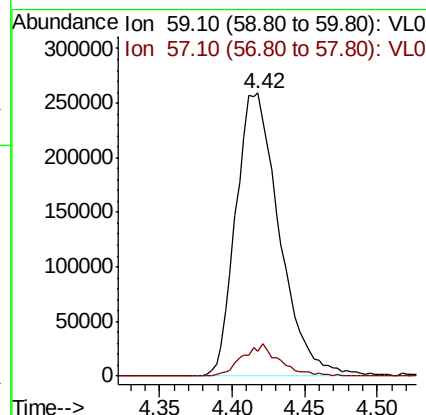
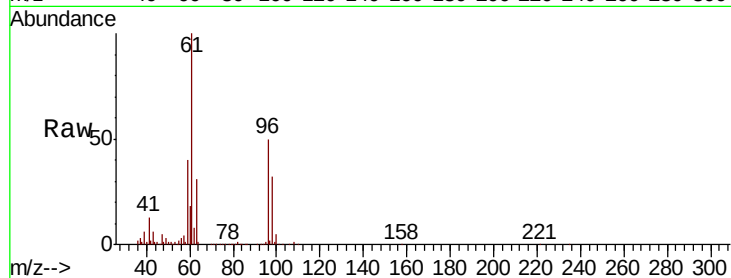
#17
 tert-Butyl alcohol
 Concen: 9.62 ppbv
 RT: 4.42 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.0	12.0

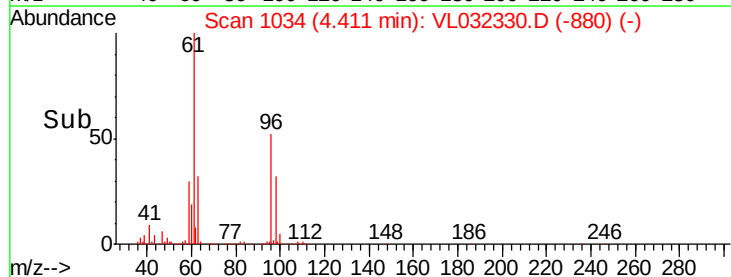
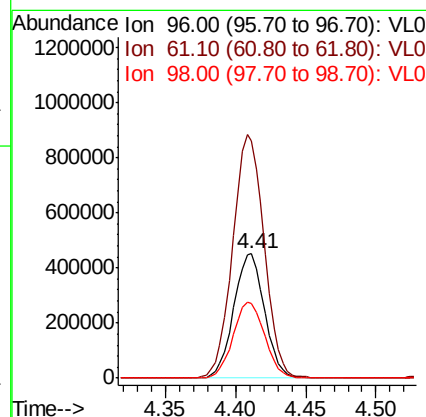
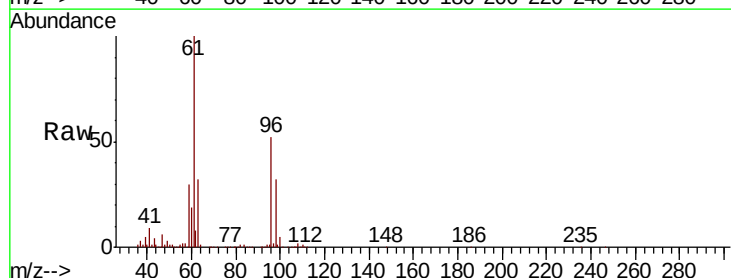
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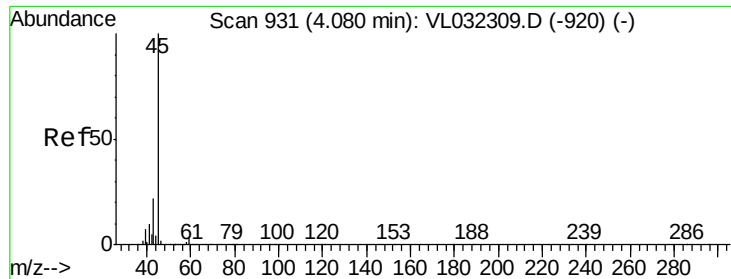
MMDadoda
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#18
 1,1-Dichloroethene
 Concen: 10.08 ppbv
 RT: 4.41 min Scan# 1034
 Delta R.T. -0.00 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Tgt Ion	Ratio	Lower	Upper
96	100		
61	191.5	159.0	238.4
98	60.7	51.1	76.7





#19

Isopropyl Alcohol

Concen: 10.95 ppbv

RT: 4.08 min Scan# 930

Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion: 45 Resp: 1290749

Ion Ratio Lower Upper

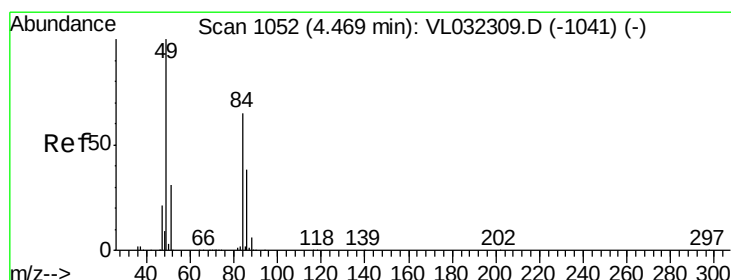
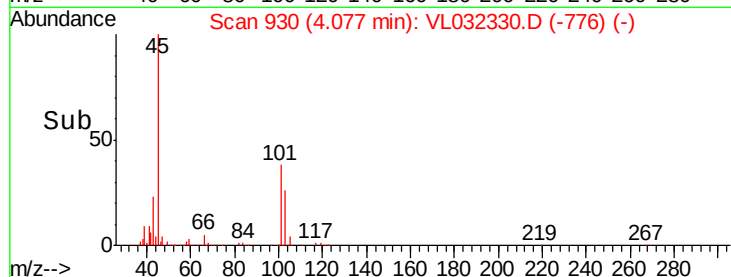
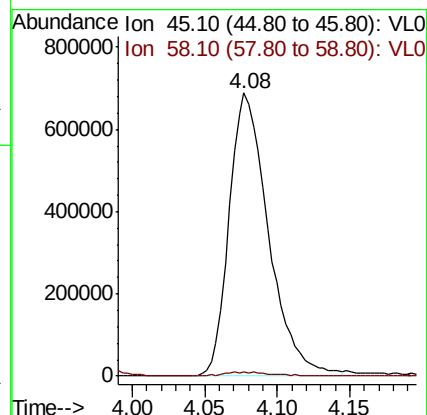
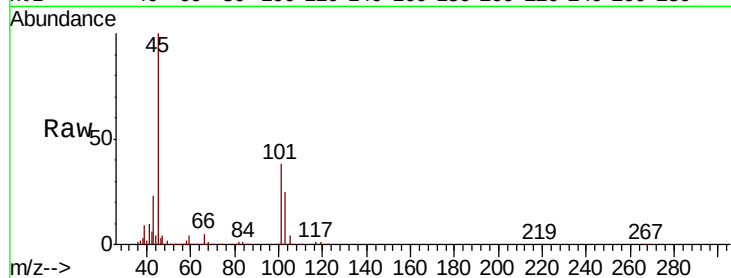
45 100

58 2.1 1.5 2.3

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#20

Methylene Chloride

Concen: 8.93 ppbv

RT: 4.47 min Scan# 1051

Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Tgt Ion: 84 Resp: 634185

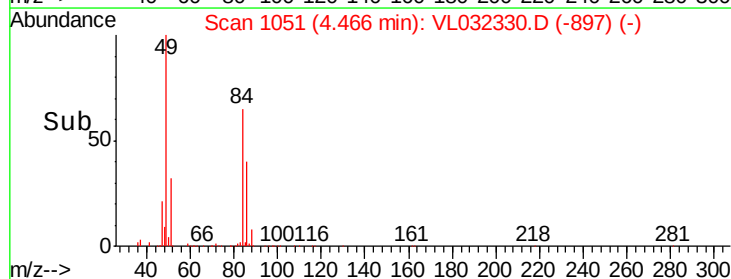
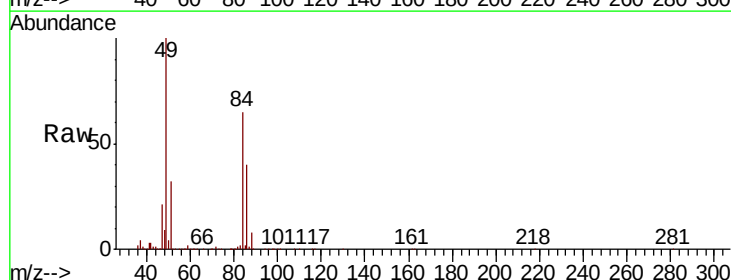
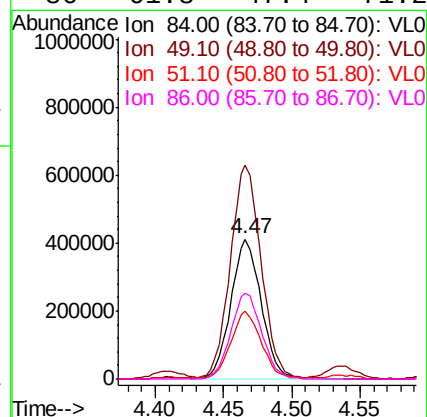
Ion Ratio Lower Upper

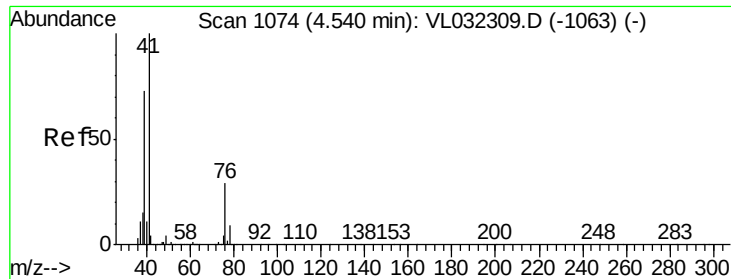
84 100

49 151.5 123.4 185.0

51 47.6 38.2 57.2

86 61.8 47.4 71.2





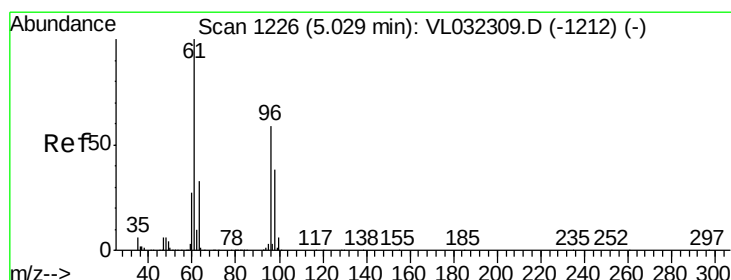
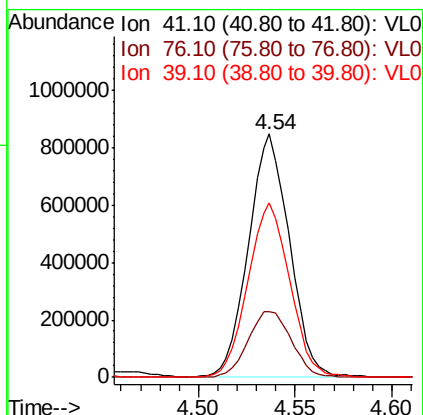
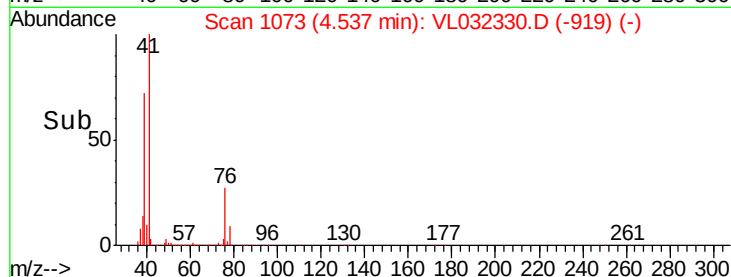
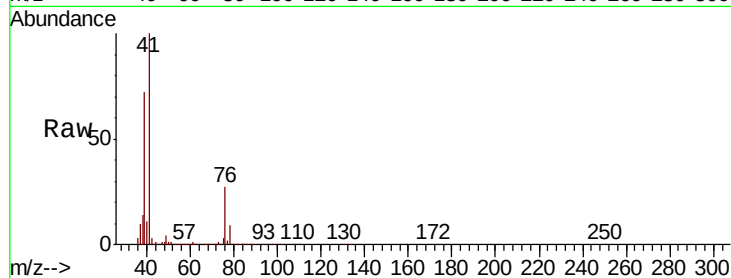
#21
 Allvl Chloride
 Concen: 10.33 ppbv
 RT: 4.54 min Scan# 1073
 Delta R.T. -0.00 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.9	23.1	34.7
39	73.2	58.2	87.2

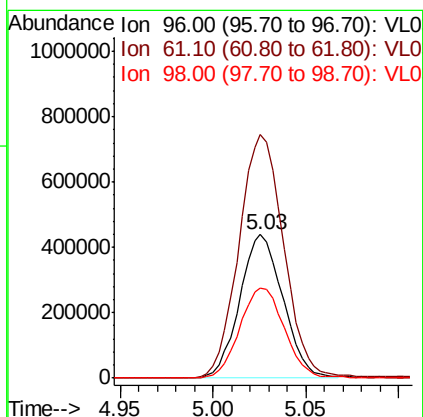
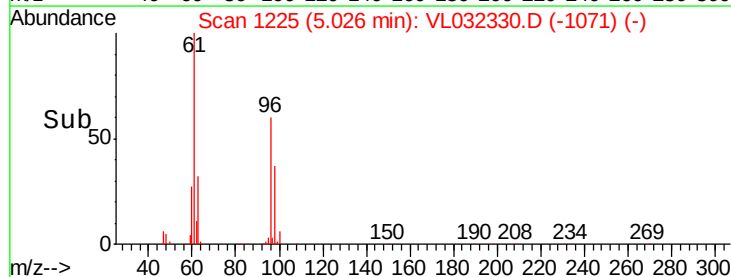
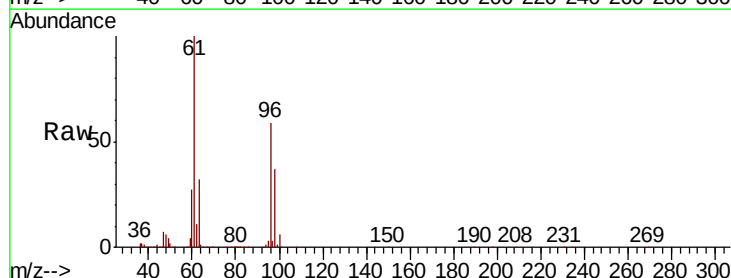
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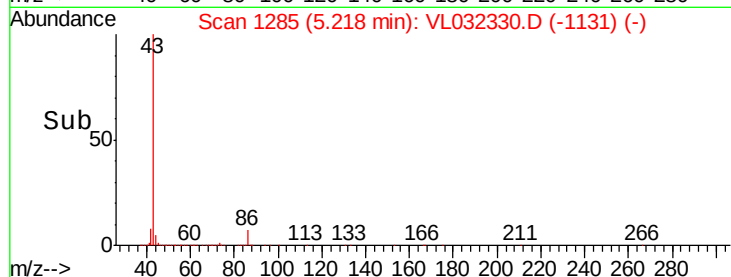
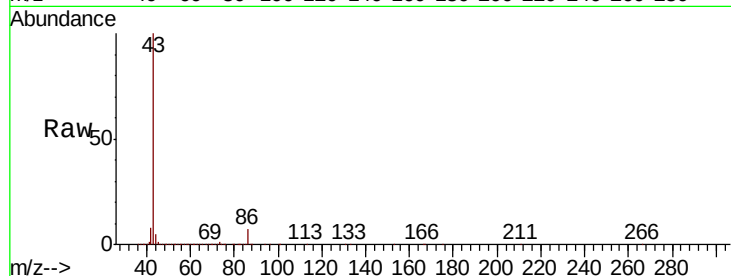
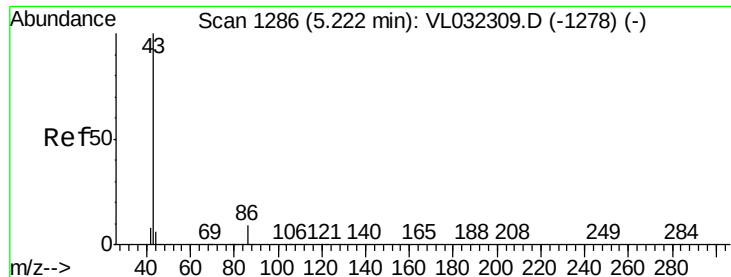
MMDadoda
 8/2/2018 2:04:53 PM



#22
 trans-1,2-Dichloroethene
 Concen: 10.73 ppbv
 RT: 5.03 min Scan# 1225
 Delta R.T. -0.00 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

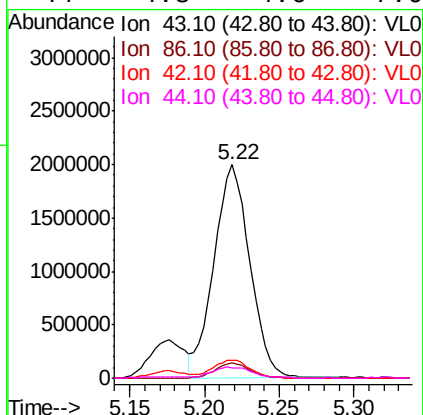
Tgt Ion	Ratio	Lower	Upper
96	100		
61	169.4	136.5	204.7
98	62.7	51.3	76.9





#23
 Vinyl Acetate
 Concen: 10.54 ppbv
 RT: 5.22 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

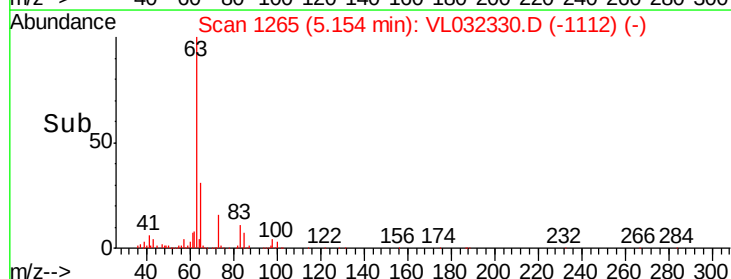
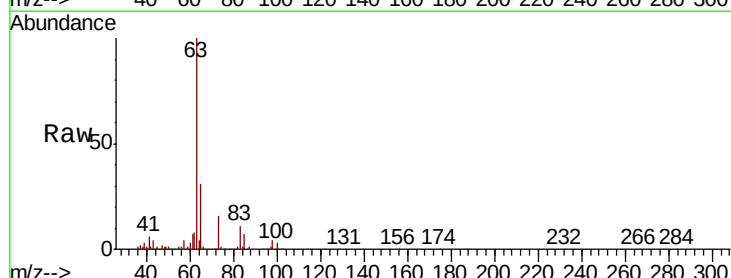
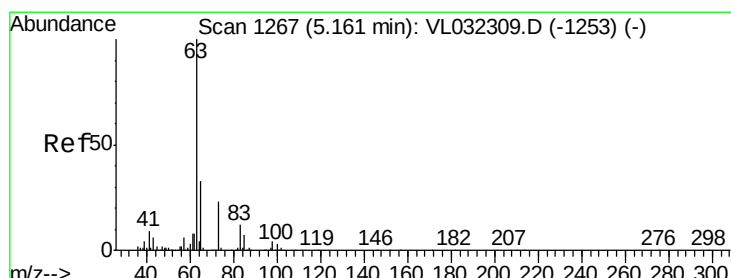
Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
86	86	7.2	6.3	9.5
42	42	8.2	7.0	10.4
44	44	4.8	4.6	7.0



Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

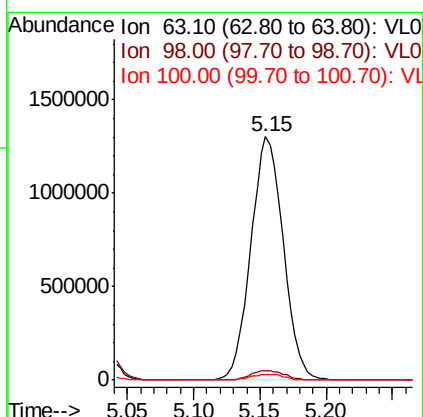
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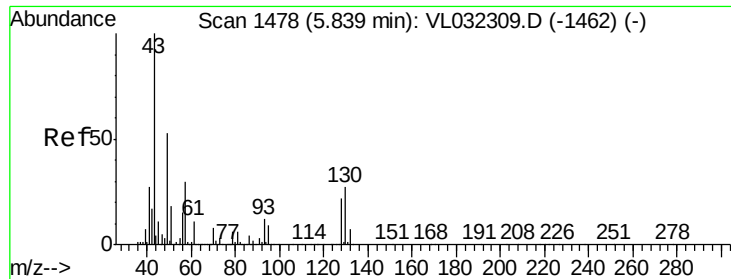
MMDadoda
 8/2/2018 2:04:53 PM



#24
 1,1-Dichloroethane
 Concen: 9.74 ppbv
 RT: 5.15 min Scan# 1265
 Delta R.T. -0.01 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Tgt Ion	Ion	Ratio	Lower	Upper
63	63	100		
98	98	3.8	2.1	6.5
100	100	2.5	1.3	3.8





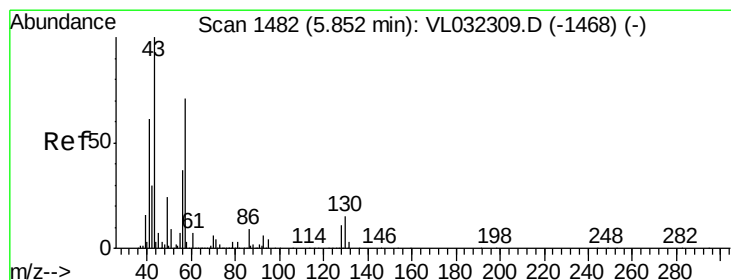
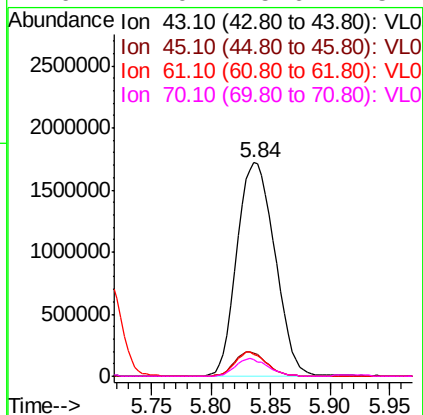
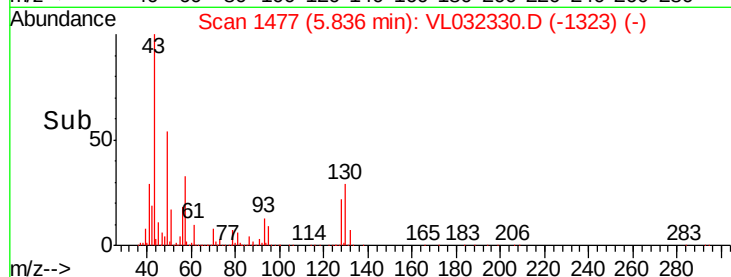
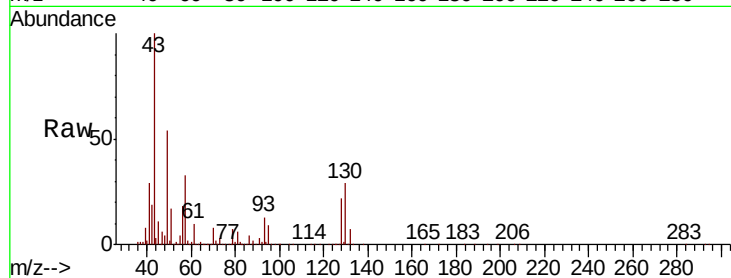
#25
Ethyl Acetate
Concen: 9.59 ppbv
RT: 5.84 min Scan# 1477
Delta R.T. -0.00 min
Lab File: VL032330.D
Acq: 1 Aug 2018 19:11

Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.1	12.1
61	9.3	7.4	11.0
70	7.0	5.6	8.4

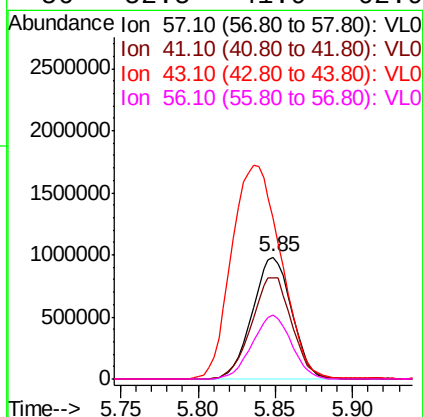
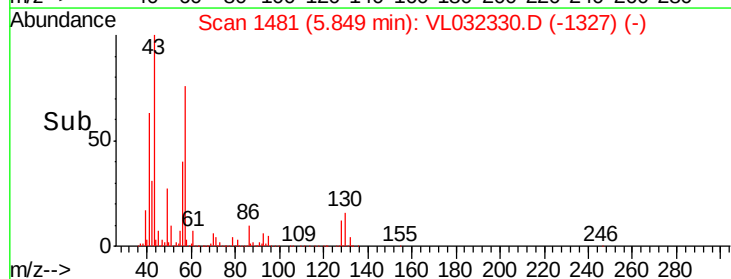
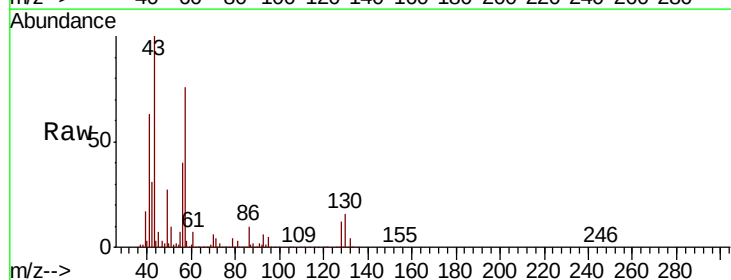
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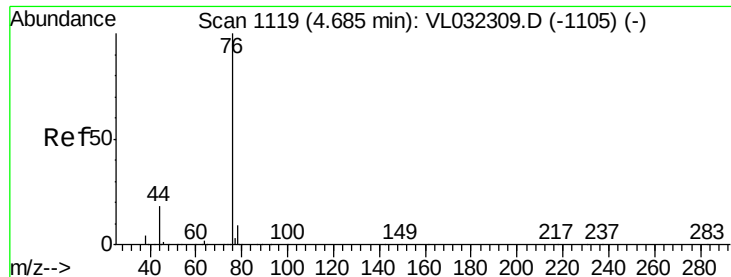
MMDadoda
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#26
Hexane
Concen: 9.67 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VL032330.D
Acq: 1 Aug 2018 19:11

Tgt Ion	Ratio	Lower	Upper
57	100		
41	85.5	68.1	102.1
43	219.7	177.4	266.2
56	52.5	41.9	62.9





#27

Carbon Disulfide

Concen: 10.78 ppbv

RT: 4.68 min Scan# 1118

Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

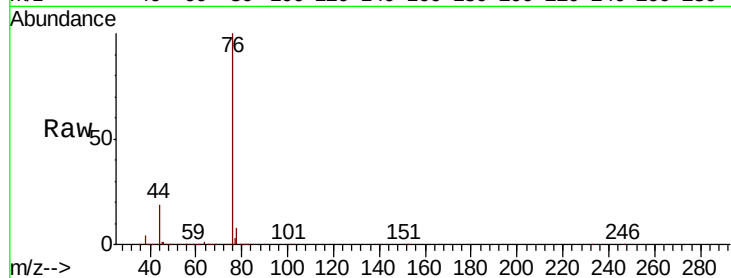
ClientSampleId :

VL0801ABS01

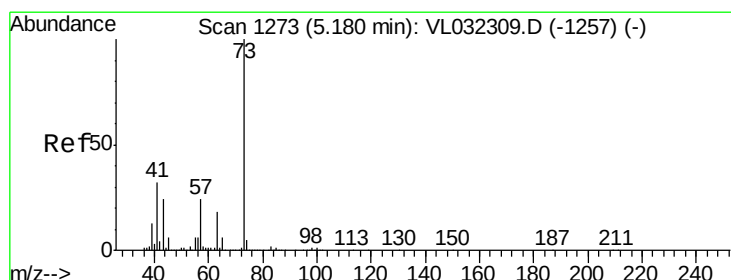
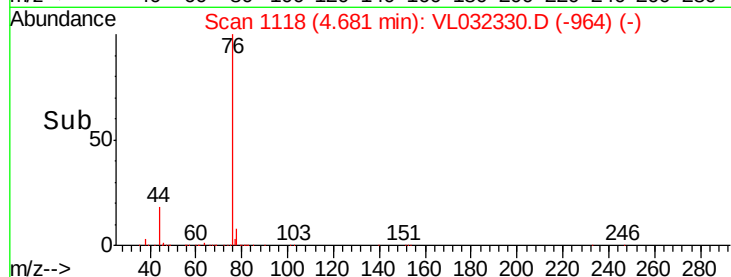
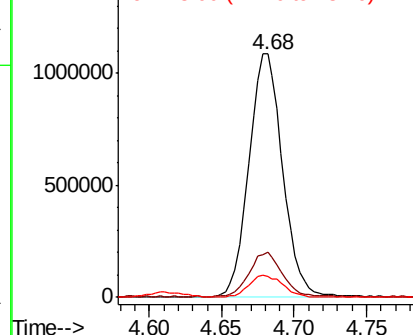
Tot Ion:	76	Resp:	1758125
Ion	Ratio	Lower	Upper
76	100		
44	18.0	14.0	21.0
78	9.3	7.5	11.3

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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.66 ppbv

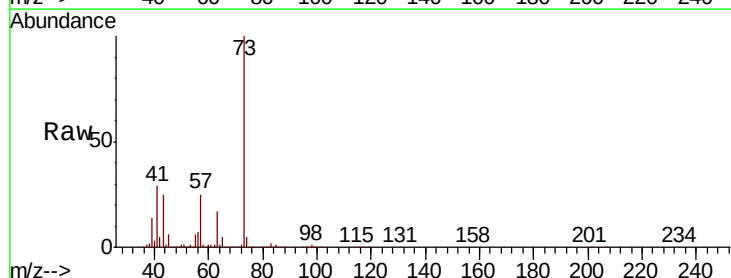
RT: 5.18 min Scan# 1272

Delta R.T. -0.00 min

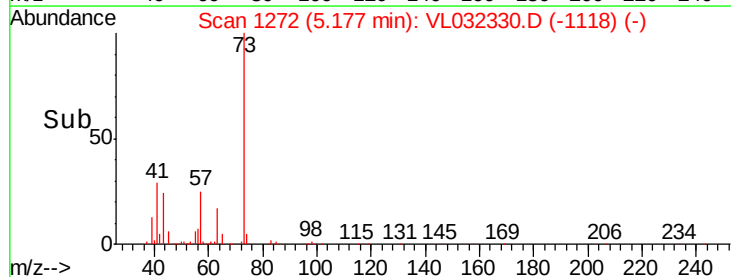
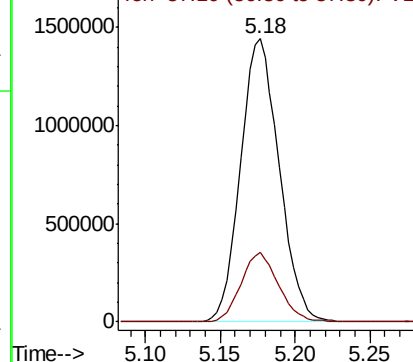
Lab File: VL032330.D

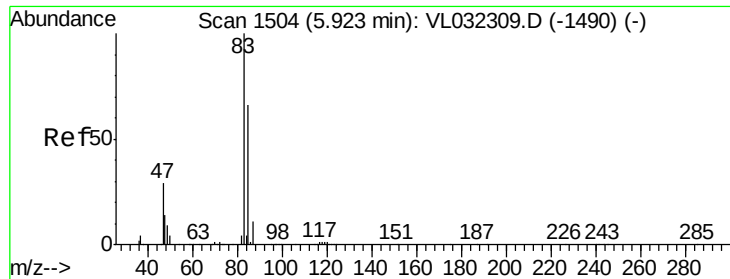
Acq: 1 Aug 2018 19:11

Tgt Ion:	73	Resp:	2587210
Ion	Ratio	Lower	Upper
73	100		
57	24.0	19.4	29.0



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





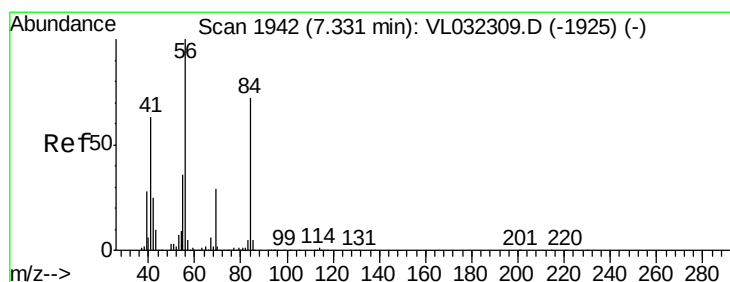
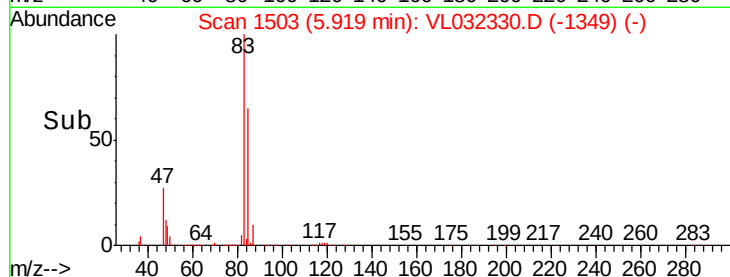
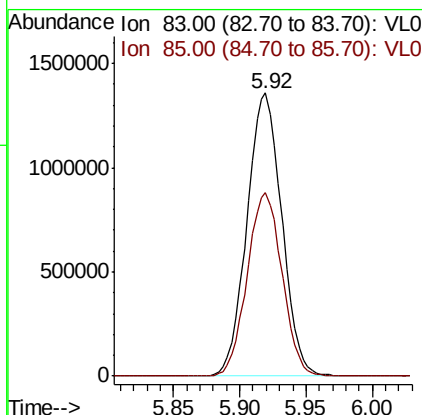
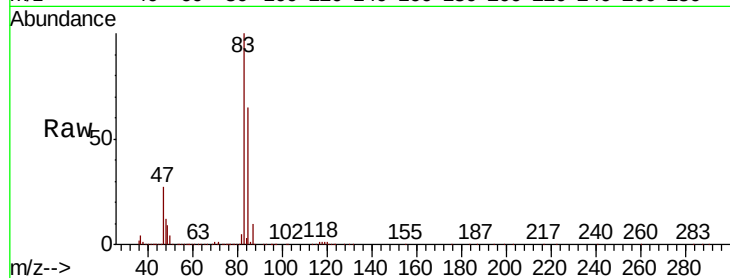
#29
Chloroform
Concen: 9.52 ppbv
RT: 5.92 min Scan# 1503
Delta R.T. -0.00 min
Lab File: VL032330.D
Acq: 1 Aug 2018 19:11

Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

Tot Ion: 83 Resp: 2484929
Ion Ratio Lower Upper
83 100
85 64.5 52.9 79.3

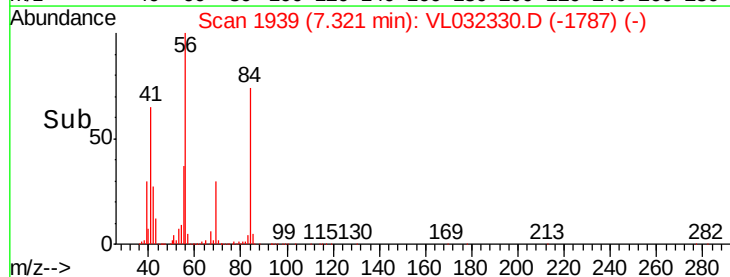
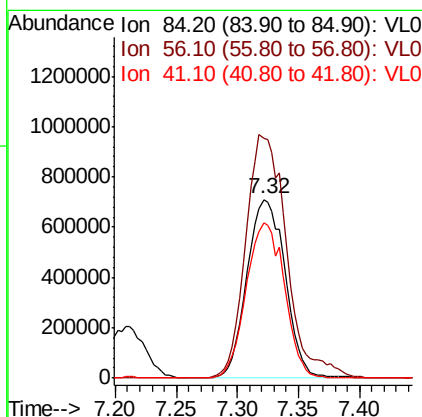
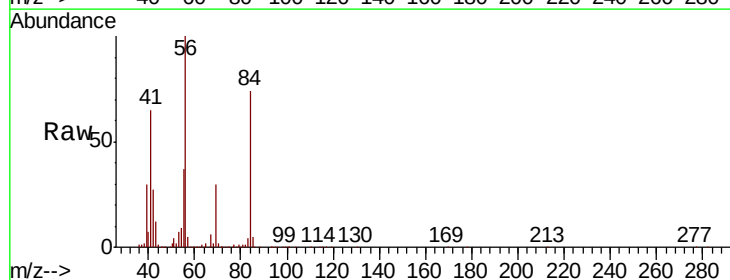
Manual Integrations
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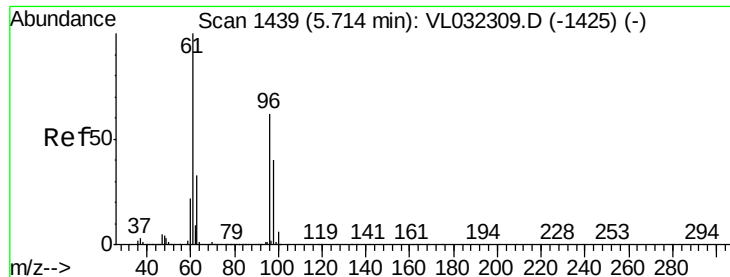
MMDadoda
8/2/2018 2:04:53 PM



#30
Cyclohexane
Concen: 10.97 ppbv
RT: 7.32 min Scan# 1939
Delta R.T. -0.01 min
Lab File: VL032330.D
Acq: 1 Aug 2018 19:11

Tgt Ion: 84 Resp: 1535749
Ion Ratio Lower Upper
84 100
56 146.1 116.8 175.2
41 86.6 70.0 105.0





#31

cis-1,2-Dichloroethene

Concen: 10.38 ppbv

RT: 5.71 min Scan# 1437

Delta R.T. -0.01 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

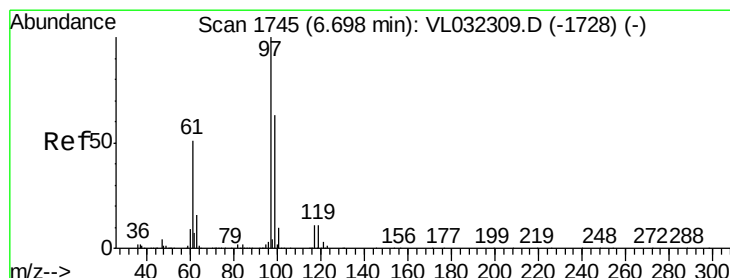
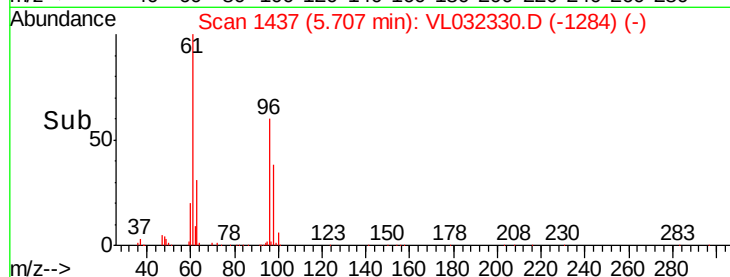
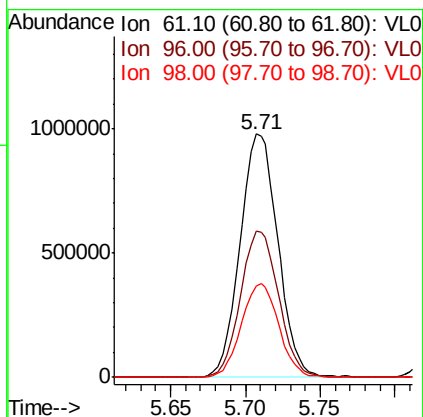
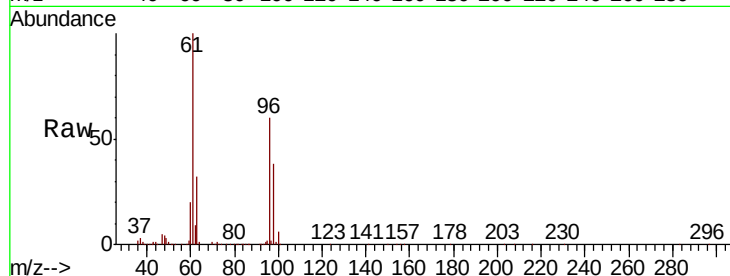
ClientSampleId :

VL0801ABS01

Tot Ion:	61	Resp:	1726534
Ion	Ratio	Lower	Upper
61	100		
96	60.3	49.8	74.6
98	37.7	31.8	47.6

Manual Integrations
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MMDadoda
8/2/2018 2:04:53 PM



#32

1,1,1-Trichloroethane

Concen: 10.51 ppbv

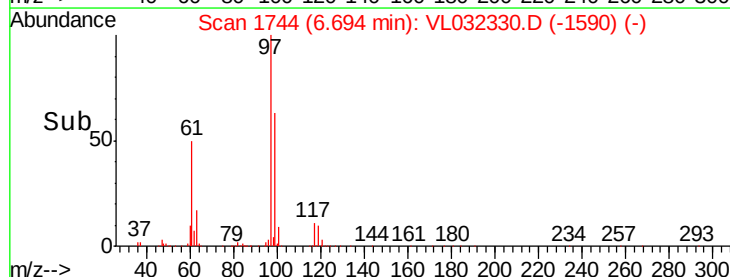
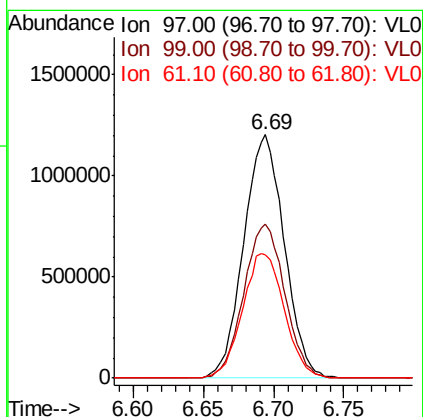
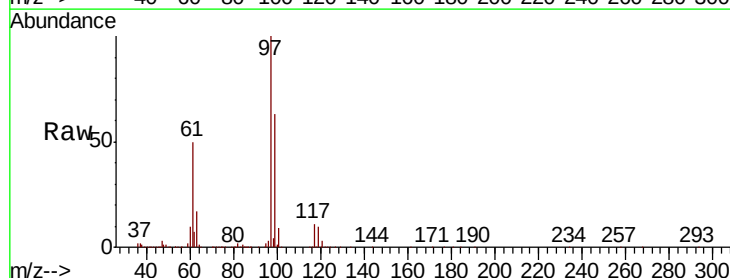
RT: 6.69 min Scan# 1744

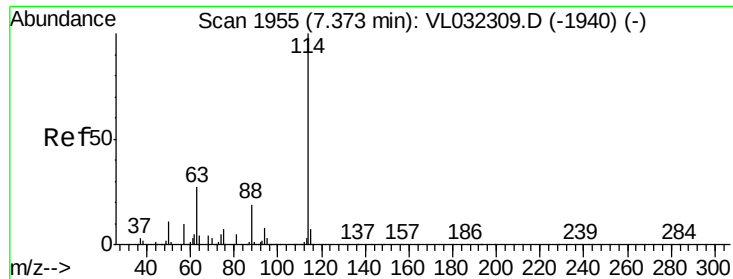
Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Tgt Ion:	97	Resp:	2428872
Ion	Ratio	Lower	Upper
97	100		
99	64.1	50.9	76.3
61	52.5	41.8	62.6





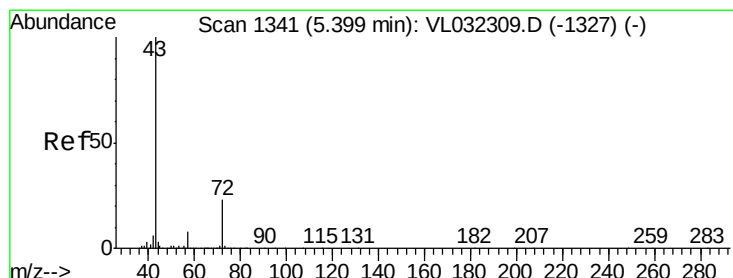
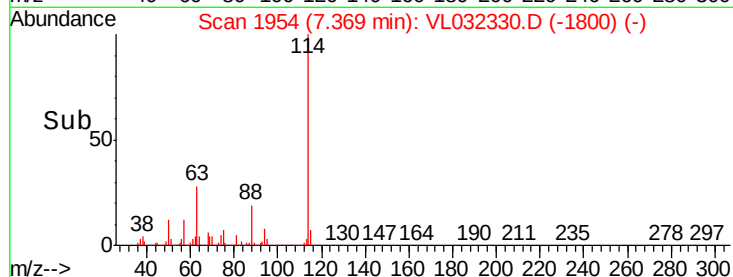
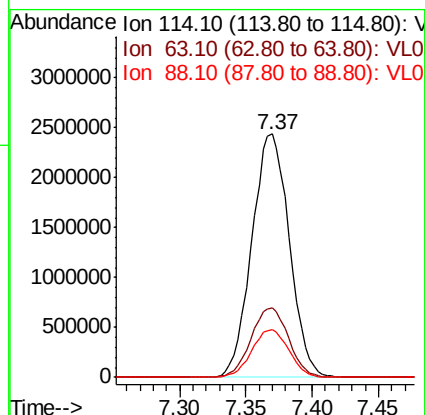
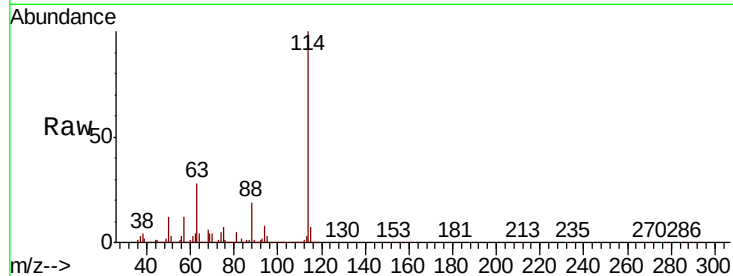
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.37 min Scan# 1954
 Delta R.T. -0.00 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Tot Ion:114 Resp: 4805960
 Ion Ratio Lower Upper
 114 100
 63 28.9 22.4 33.6
 88 19.4 15.3 22.9

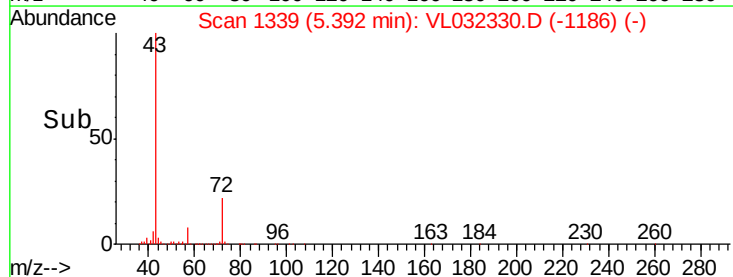
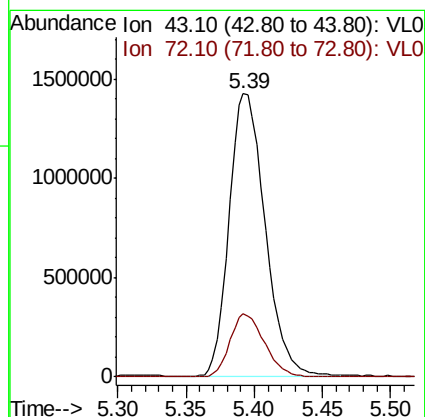
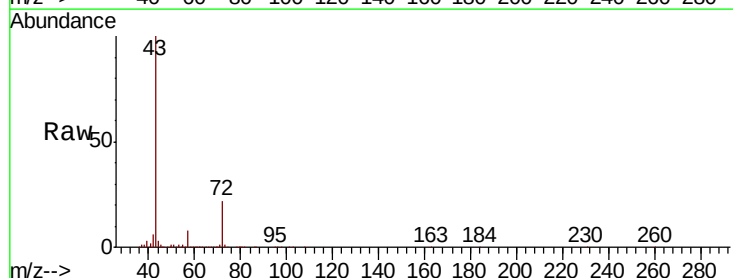
Manual Integrations
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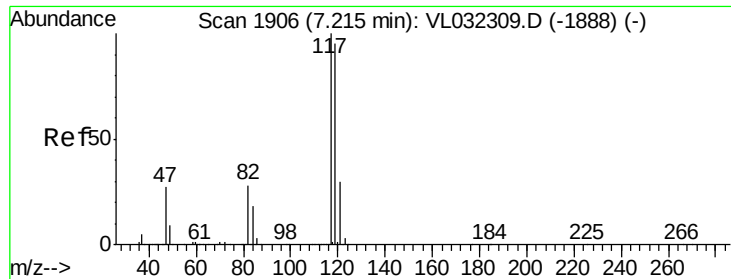
MMDadoda
 8/2/2018 2:04:53 PM



#34
 2-Butanone
 Concen: 8.38 ppbv
 RT: 5.39 min Scan# 1339
 Delta R.T. -0.01 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Tgt Ion: 43 Resp: 2607927
 Ion Ratio Lower Upper
 43 100
 72 21.7 17.4 26.2





#35

Carbon Tetrachloride

Concen: 8.83 ppbv

RT: 7.21 min Scan# 1904

Delta R.T. -0.01 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion:117 Resp: 2410239

Ion Ratio Lower Upper

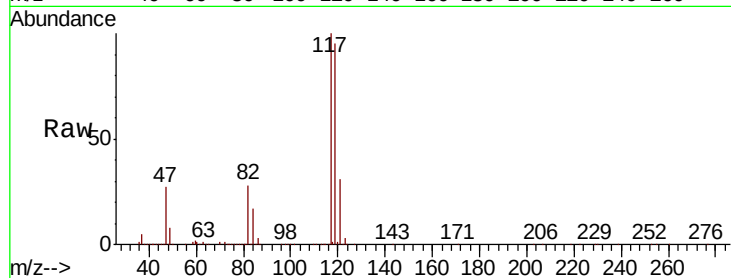
117 100

119 95.0 76.1 114.1

121 30.7 24.4 36.6

Manual Integrations
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MMDadoda
8/2/2018 2:04:53 PM

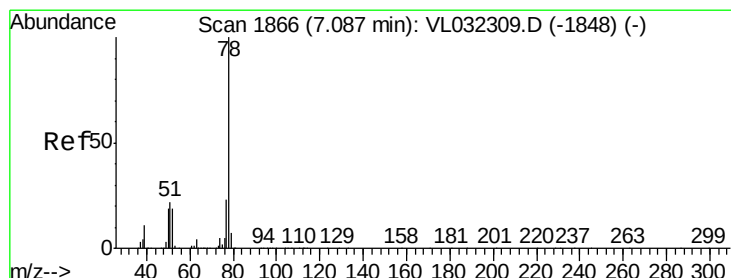
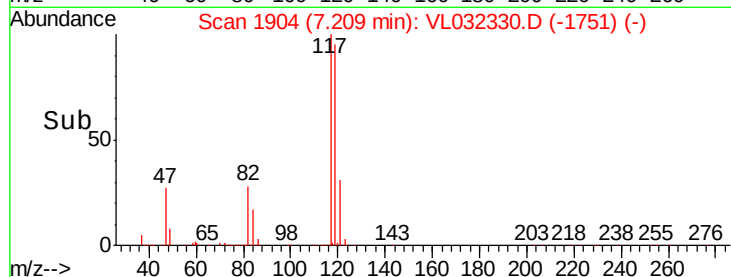
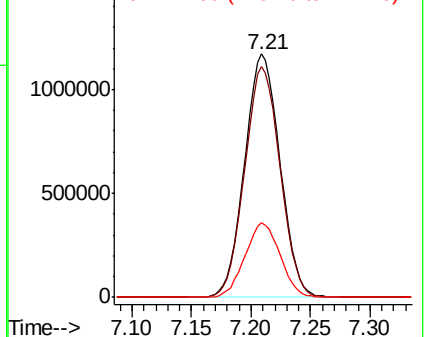


Abundance

Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.47 ppbv

RT: 7.08 min Scan# 1864

Delta R.T. -0.01 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

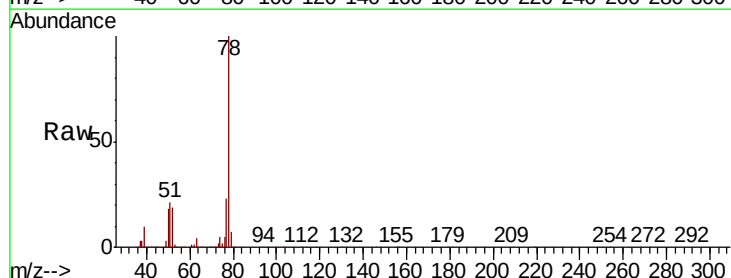
Tgt Ion: 78 Resp: 3589359

Ion Ratio Lower Upper

78 100

77 22.7 18.4 27.6

50 18.4 15.3 22.9

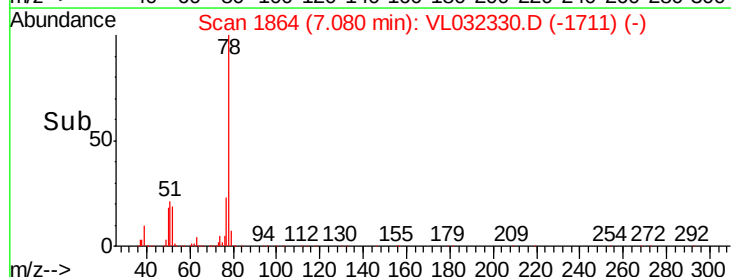
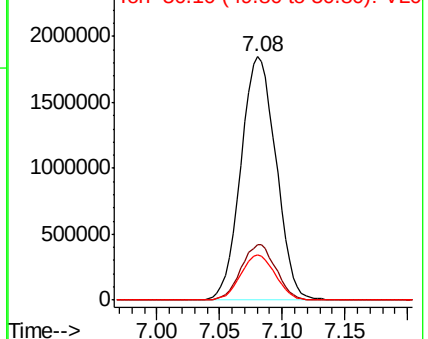


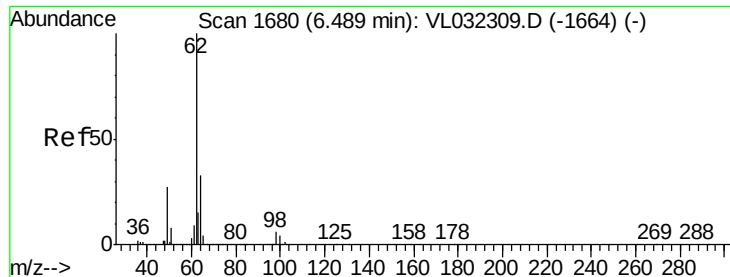
Abundance

Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





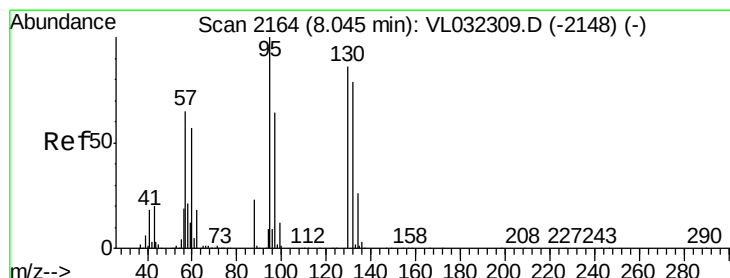
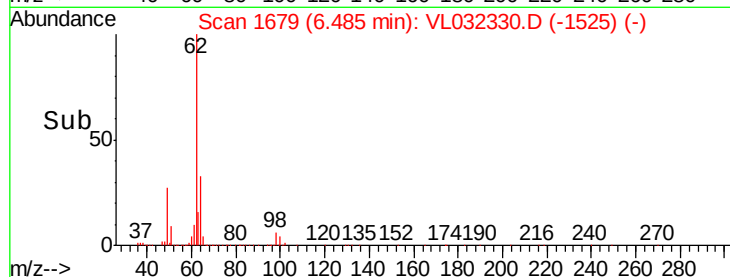
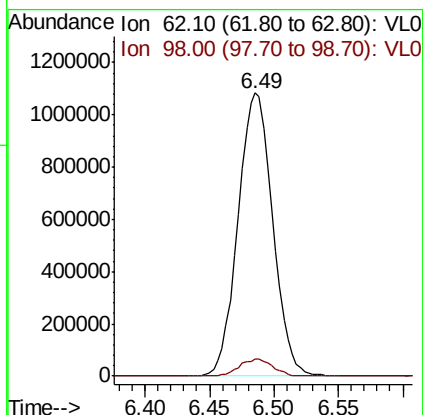
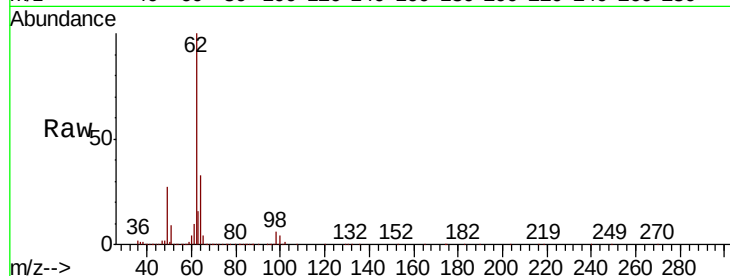
#37
 1,2-Dichloroethane
 Concen: 8.29 ppbv
 RT: 6.49 min Scan# 1679
 Delta R.T. -0.00 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	5.1	7.7

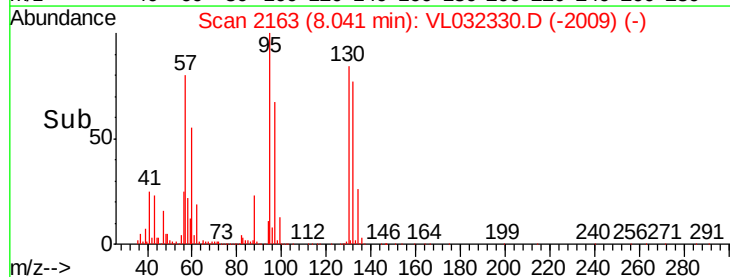
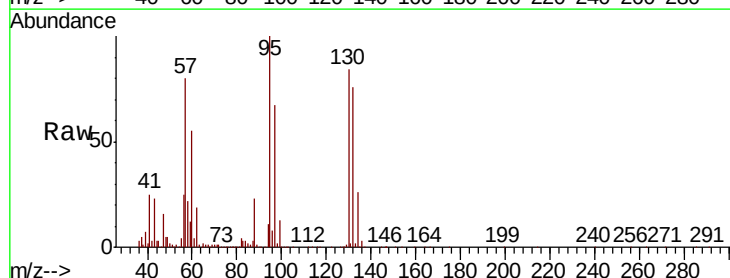
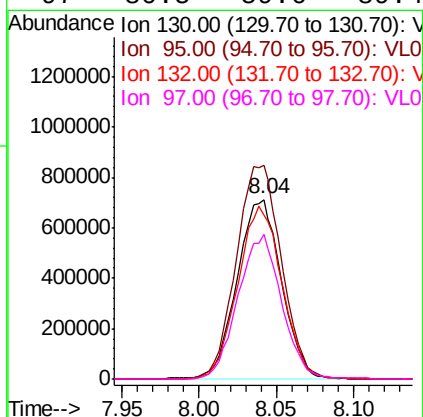
Manual Integrations
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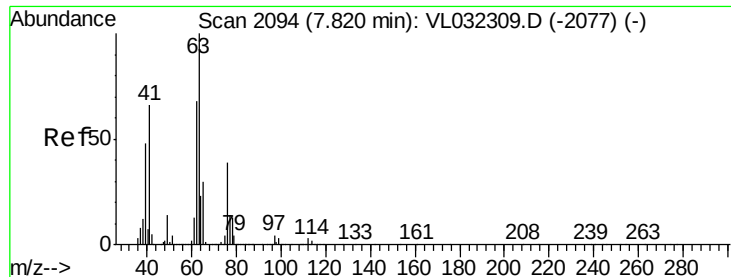
MMDadoda
 8/2/2018 2:04:53 PM



#38
 Trichloroethene
 Concen: 8.55 ppbv
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.00 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Tgt Ion	Ratio	Lower	Upper
130	100		
95	119.3	92.9	139.3
132	91.5	73.0	109.4
97	80.5	59.6	89.4





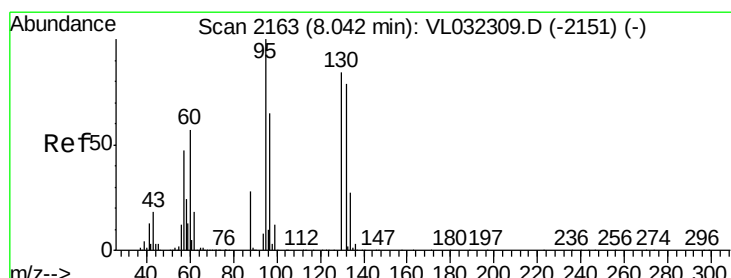
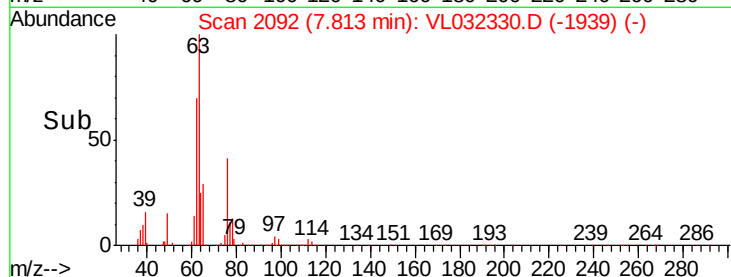
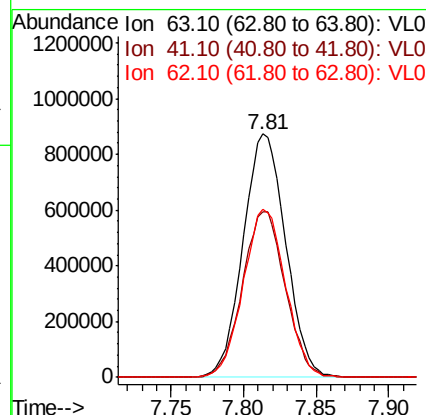
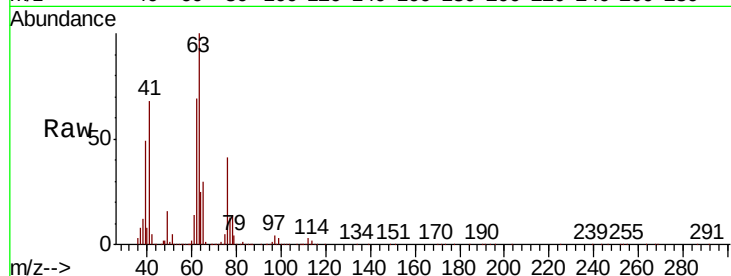
#39
 1,2-Dichloropropane
 Concen: 8.34 ppbv
 RT: 7.81 min Scan# 2092
 Delta R.T. -0.01 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	68.1	52.5	78.7
62	69.2	54.6	81.8

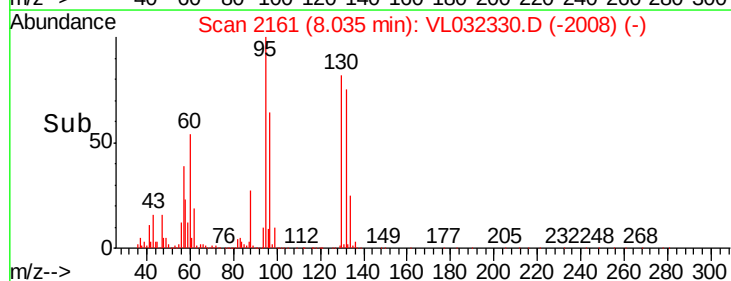
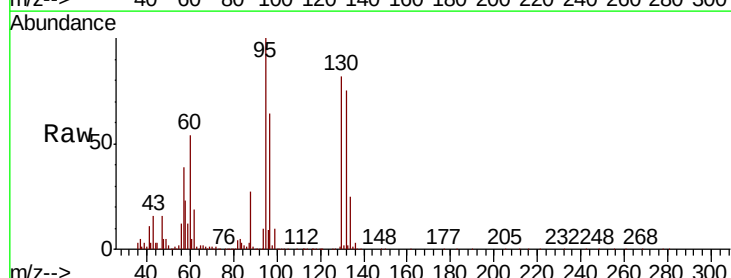
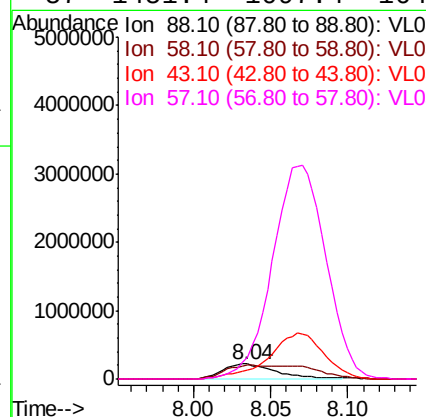
Manual Integrations
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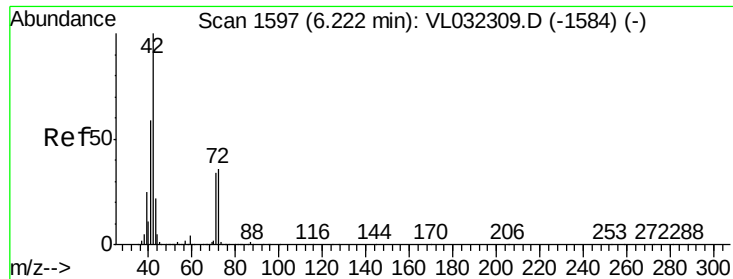
MMDadoda
 8/2/2018 2:04:53 PM



#40
 1,4-Dioxane
 Concen: 8.34 ppbv
 RT: 8.04 min Scan# 2161
 Delta R.T. -0.01 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Tgt Ion	Ratio	Lower	Upper
88	100		
58	156.4	120.5	180.7
43	320.6	246.2	369.2
57	1451.4	1097.4	1646.2





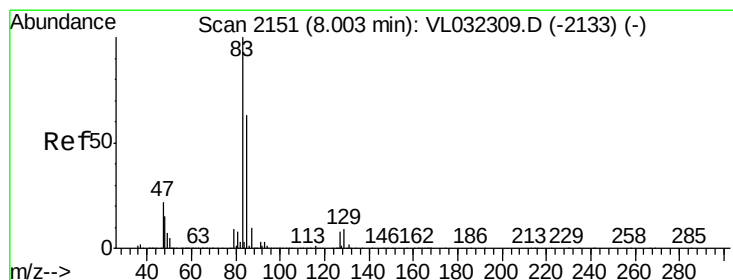
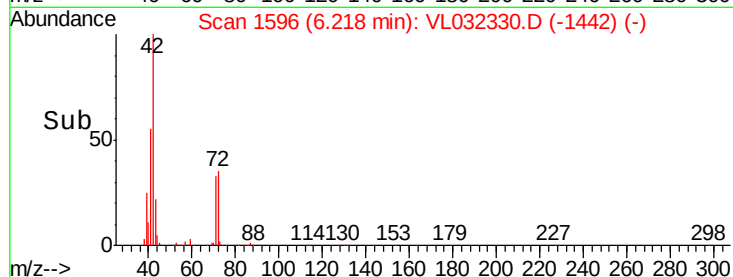
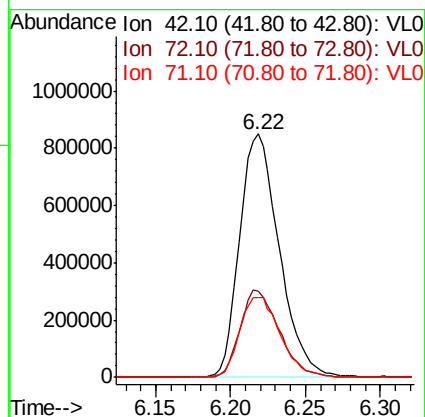
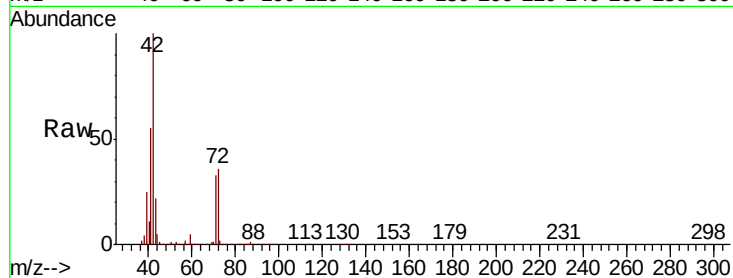
#41
Tetrahydrofuran
Concen: 8.91 ppbv
RT: 6.22 min Scan# 1596
Delta R.T. -0.00 min
Lab File: VL032330.D
Acq: 1 Aug 2018 19:11

Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.4	28.6	42.8
71	34.0	27.8	41.6

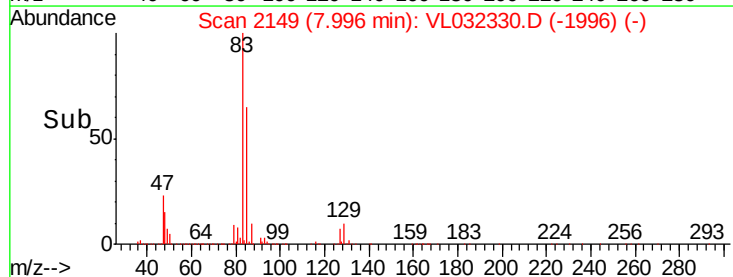
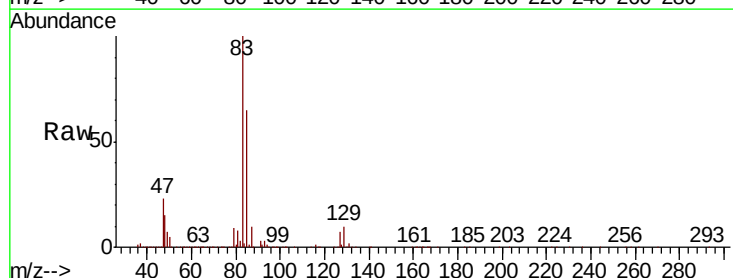
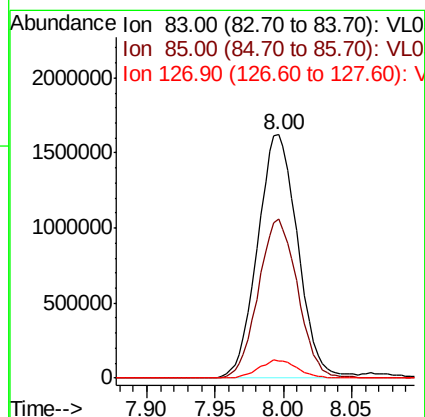
Manual Integrations
APPROVED

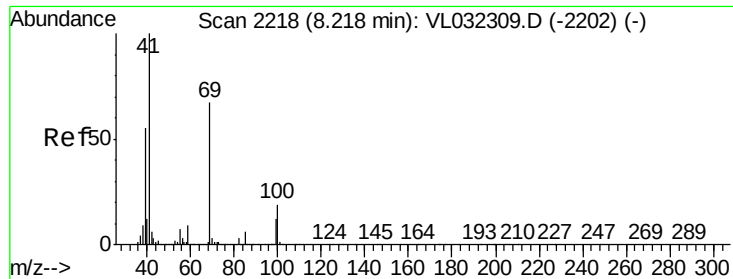
MMDadoda
8/2/2018 2:04:53 PM



#42
Bromodichloromethane
Concen: 8.33 ppbv
RT: 8.00 min Scan# 2149
Delta R.T. -0.01 min
Lab File: VL032330.D
Acq: 1 Aug 2018 19:11

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	50.7	76.1
127	7.2	6.0	9.0





#43

Methyl Methacrylate

Concen: 9.03 ppbv

RT: 8.22 min Scan# 2217

Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :
MSVOA_L

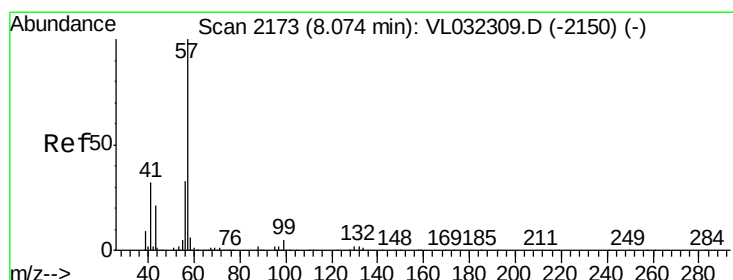
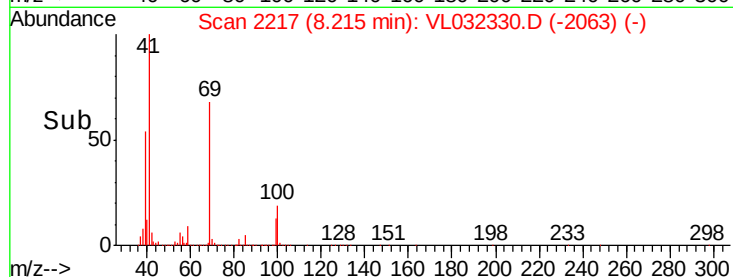
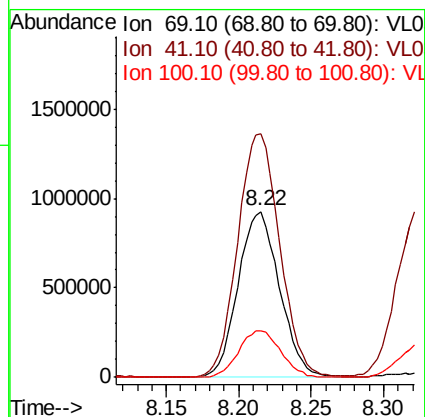
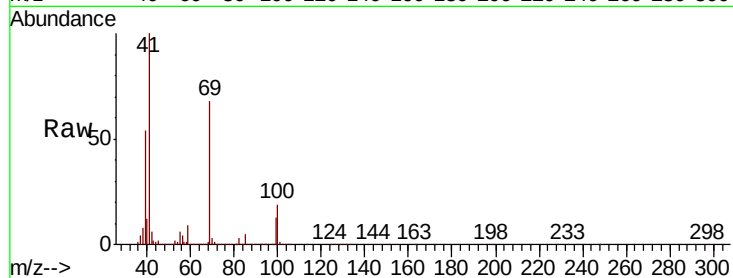
ClientSampleId :
VL0801ABS01

Tot Ion: 69 Resp: 1836704

Ion	Ratio	Lower	Upper
69	100		
41	149.5	120.6	180.8
100	28.7	23.2	34.8

Manual Integrations
APPROVED

MMDadoda
8/2/2018 2:04:53 PM



#44

2,2,4-Trimethylpentane

Concen: 8.24 ppbv

RT: 8.07 min Scan# 2172

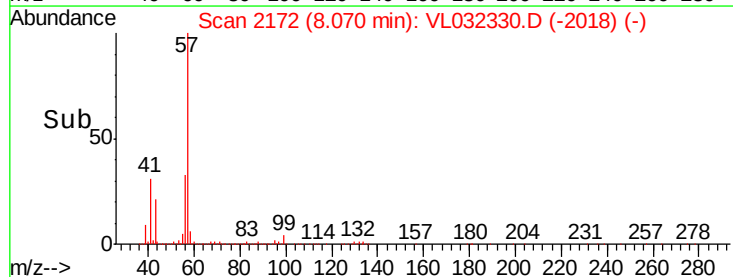
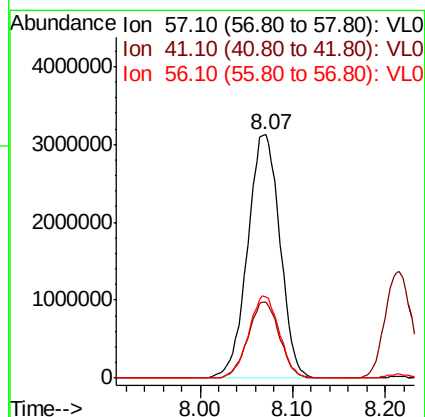
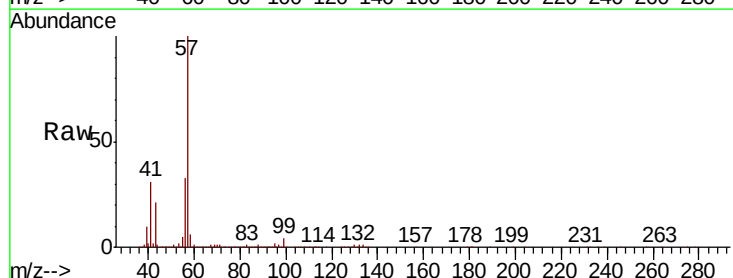
Delta R.T. -0.00 min

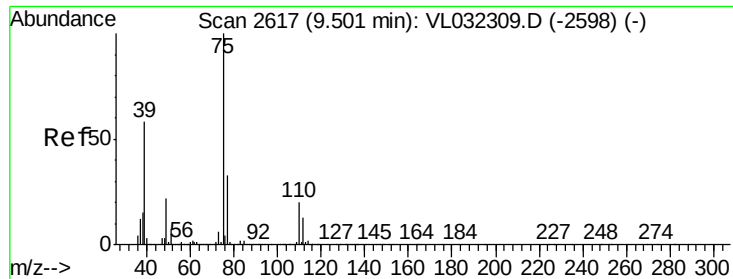
Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Tgt Ion: 57 Resp: 7570807

Ion	Ratio	Lower	Upper
57	100		
41	30.2	24.3	36.5
56	32.1	25.4	38.2





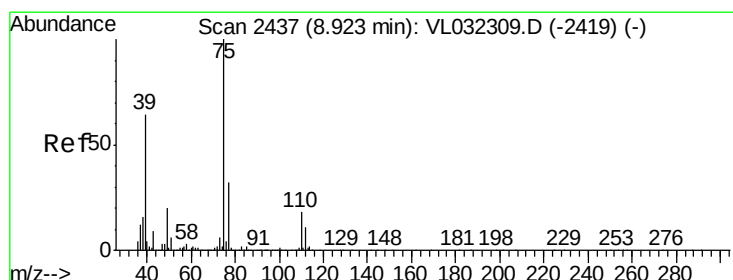
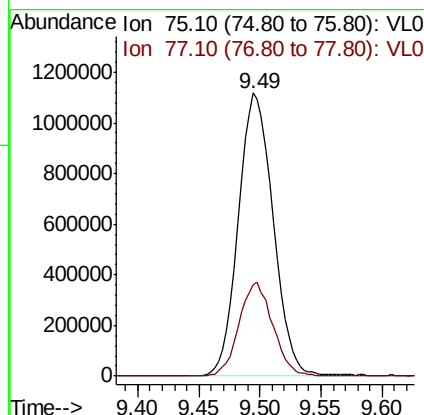
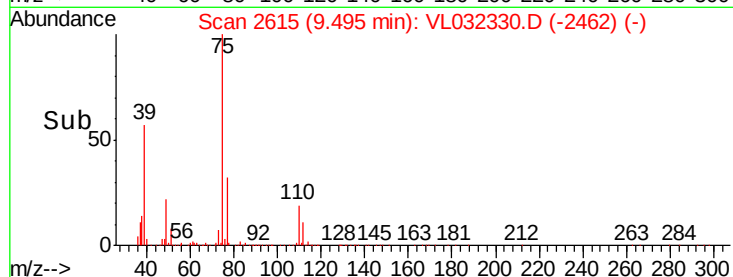
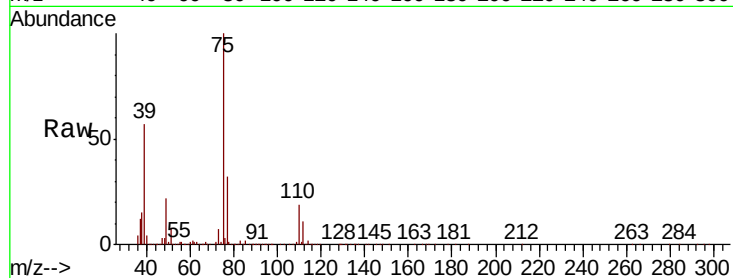
#45
 t-1,3-Dichloropropene
 Concen: 9.37 ppbv
 RT: 9.49 min Scan# 2615
 Delta R.T. -0.01 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Tot Ion: 75 Resp: 2208895
 Ion Ratio Lower Upper
 75 100
 77 32.3 26.2 39.4

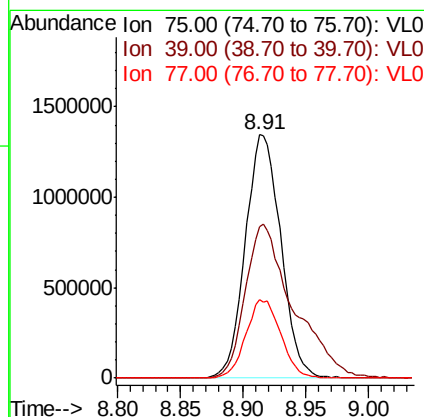
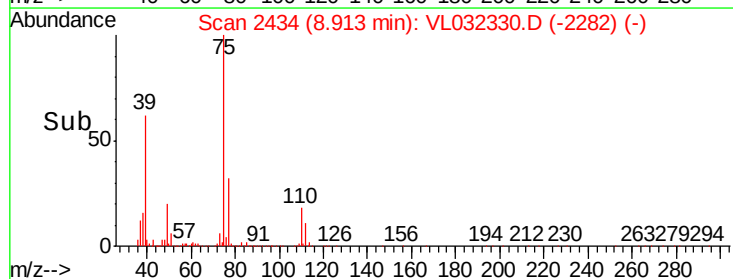
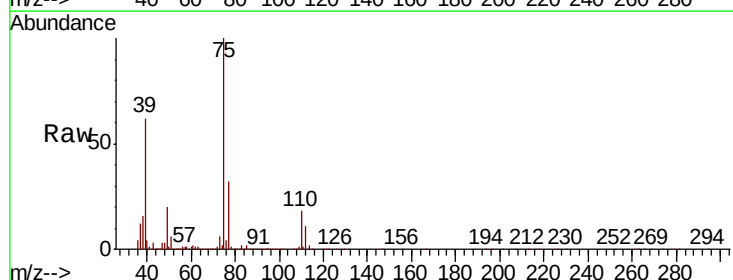
Manual Integrations
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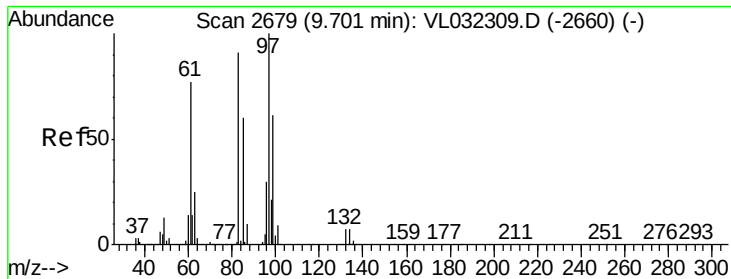
MMDadoda
 8/2/2018 2:04:53 PM



#46
 cis-1,3-Dichloropropene
 Concen: 9.17 ppbv
 RT: 8.91 min Scan# 2434
 Delta R.T. -0.01 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Tgt Ion: 75 Resp: 2648309
 Ion Ratio Lower Upper
 75 100
 39 62.1 50.9 76.3
 77 32.4 25.7 38.5





#47

1,1,2-Trichloroethane

Concen: 8.01 ppbv

RT: 9.70 min Scan# 2678

Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion: 97 Resp: 1658814

Ion Ratio Lower Upper

97 100

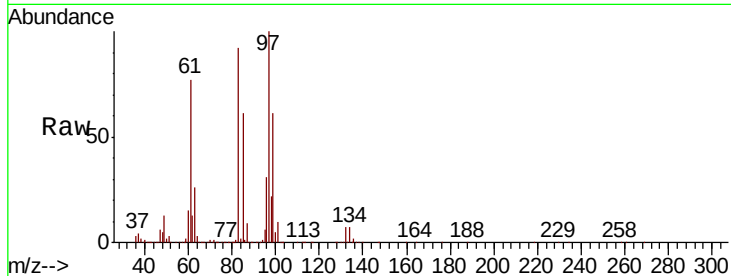
83 91.4 73.0 109.6

85 60.8 48.1 72.1

99 61.4 48.5 72.7

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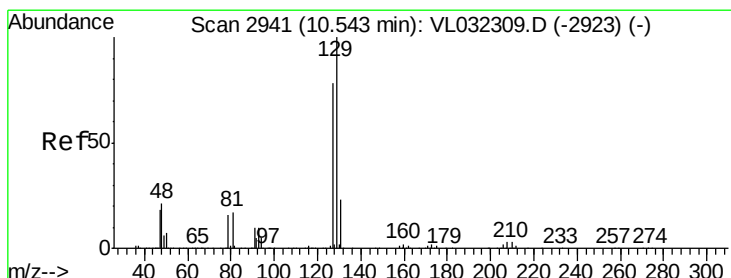
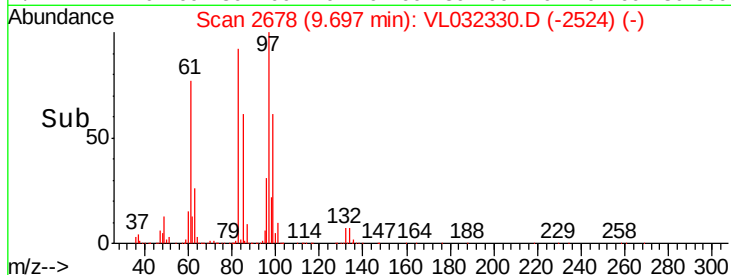
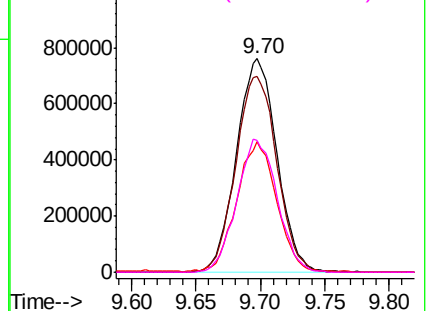
Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0



#48

Dibromochloromethane

Concen: 8.48 ppbv

RT: 10.54 min Scan# 2939

Delta R.T. -0.01 min

Lab File: VL032330.D

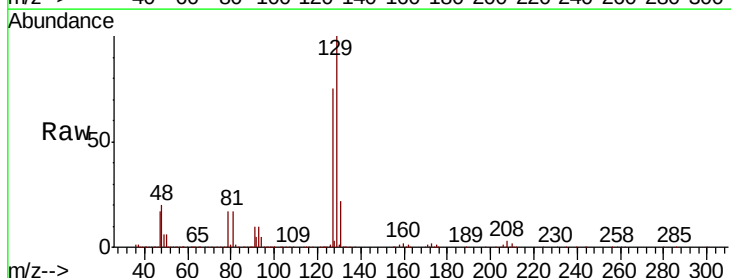
Acq: 1 Aug 2018 19:11

Tgt Ion: 129 Resp: 2590178

Ion Ratio Lower Upper

129 100

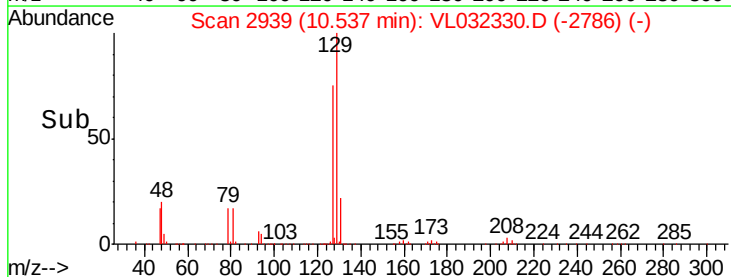
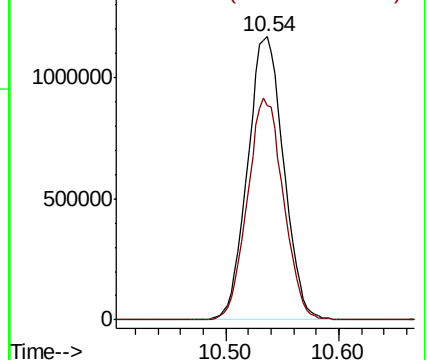
127 78.3 39.5 118.3

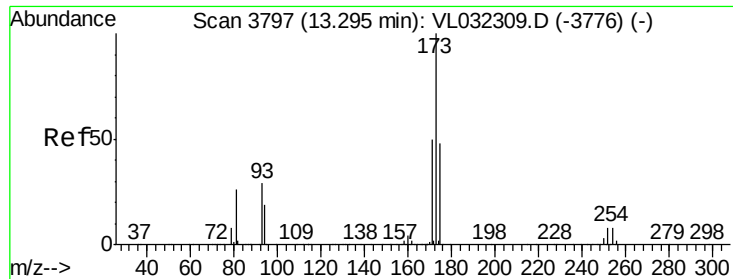


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 8.47 ppbv

RT: 13.29 min Scan# 3795

Delta R.T. -0.01 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion:173 Resp: 2130062

Ion Ratio Lower Upper

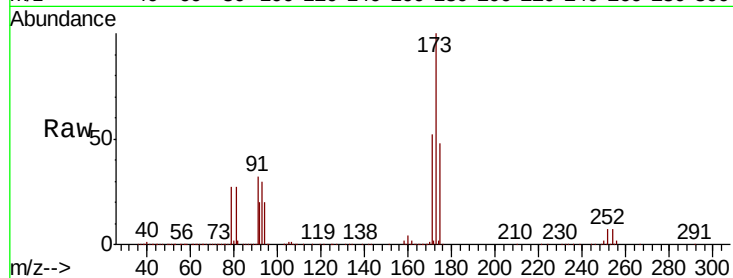
173 100

175 48.4 38.9 58.3

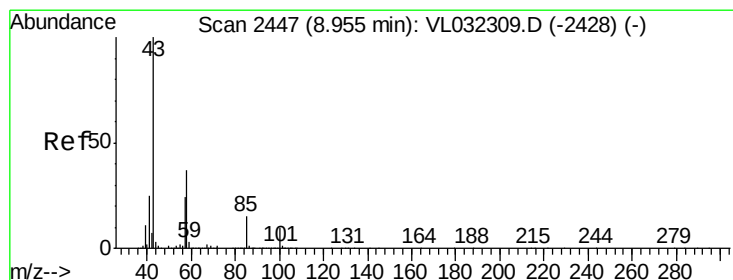
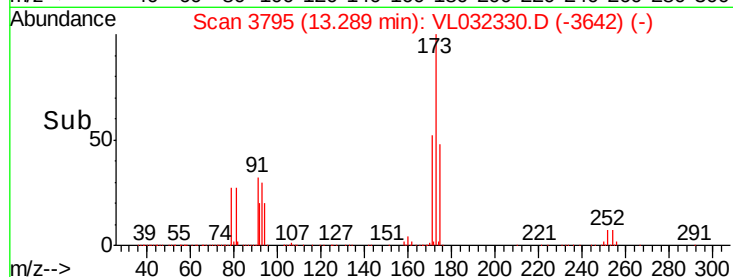
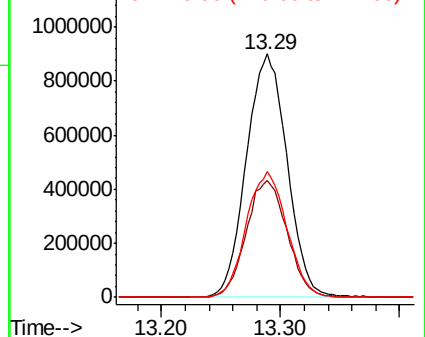
171 51.8 42.2 63.2

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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: 8.53 ppbv

RT: 8.95 min Scan# 2445

Delta R.T. -0.01 min

Lab File: VL032330.D

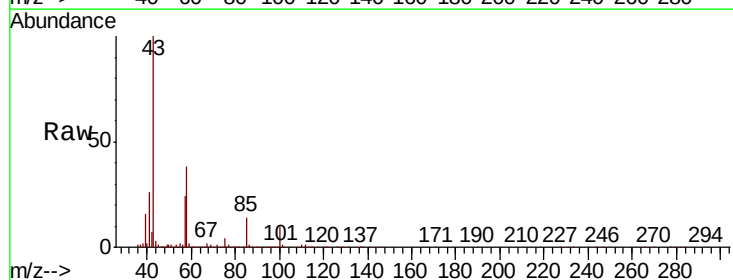
Acq: 1 Aug 2018 19:11

Tgt Ion: 43 Resp: 4681810

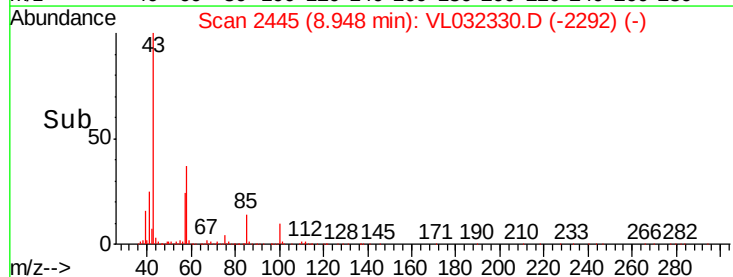
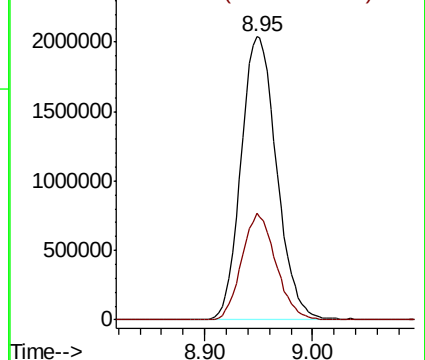
Ion Ratio Lower Upper

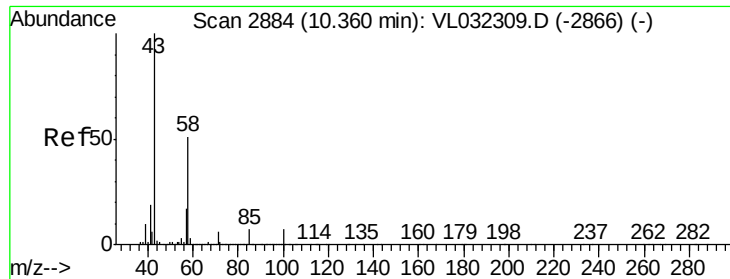
43 100

58 36.2 28.9 43.3



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





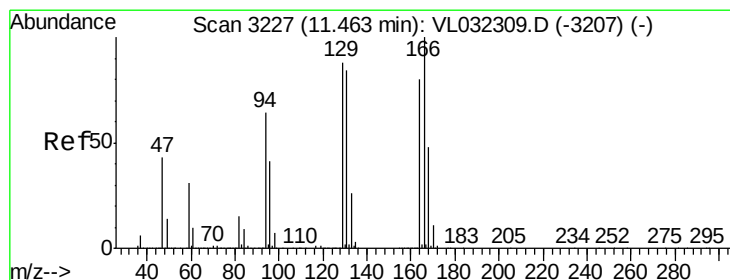
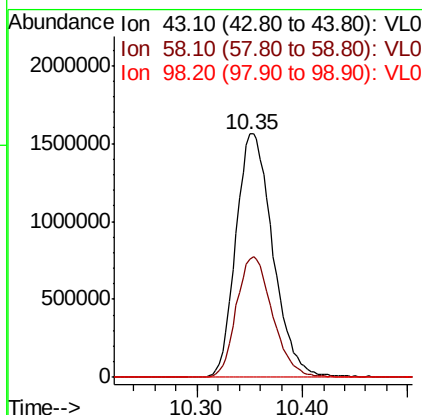
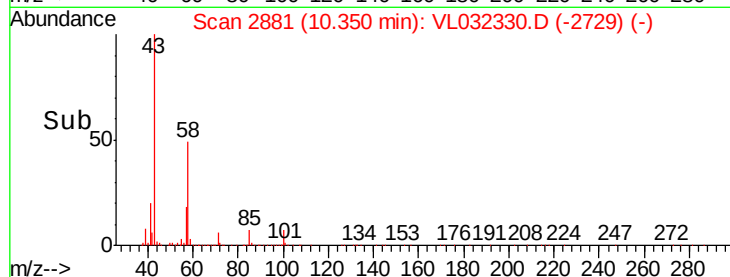
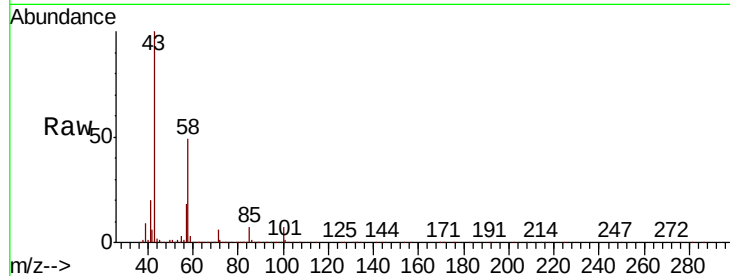
#51
 2-Hexanone
 Concen: 9.07 ppbv
 RT: 10.35 min Scan# 2881
 Delta R.T. -0.01 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.8	39.1	58.7
98	0.2	0.3	0.5#

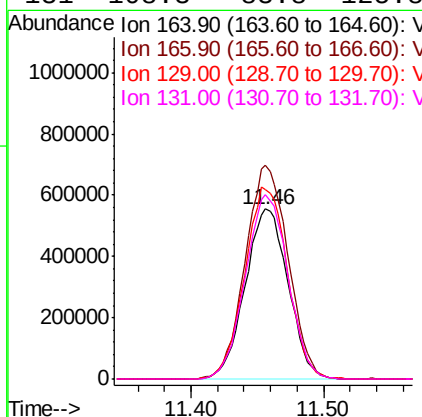
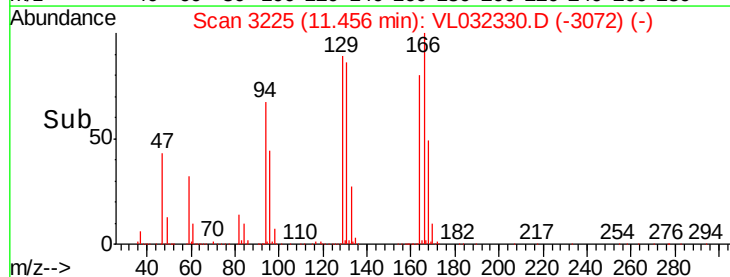
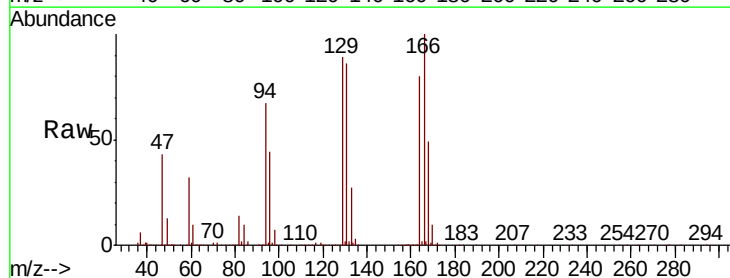
Manual Integrations
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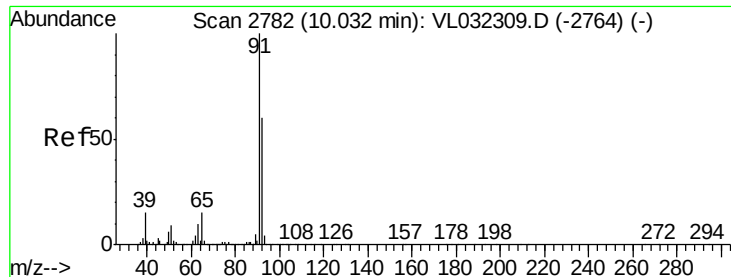
MMDadoda
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#52
 Tetrachloroethene
 Concen: 8.74 ppbv
 RT: 11.46 min Scan# 3225
 Delta R.T. -0.01 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.5	100.0	150.0
129	111.6	87.9	131.9
131	108.3	83.8	125.8





#53

Toluene

Concen: 9.28 ppbv

RT: 10.03 min Scan# 2781

Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion: 91 Resp: 4701289

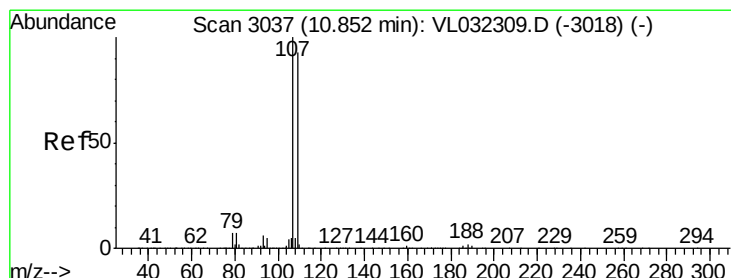
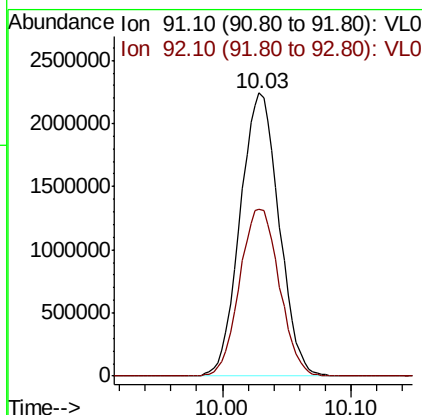
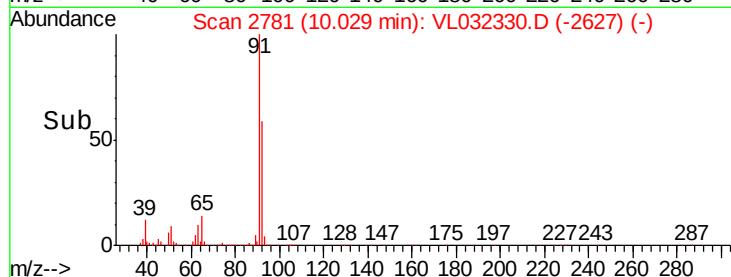
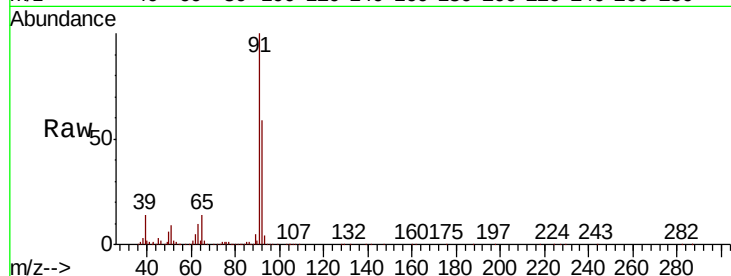
Ion Ratio Lower Upper

91 100

92 60.3 48.6 72.8

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 8.48 ppbv

RT: 10.85 min Scan# 3035

Delta R.T. -0.01 min

Lab File: VL032330.D

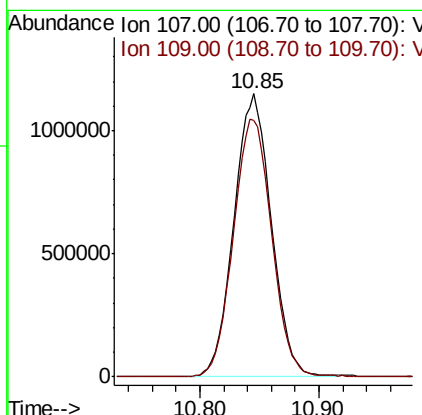
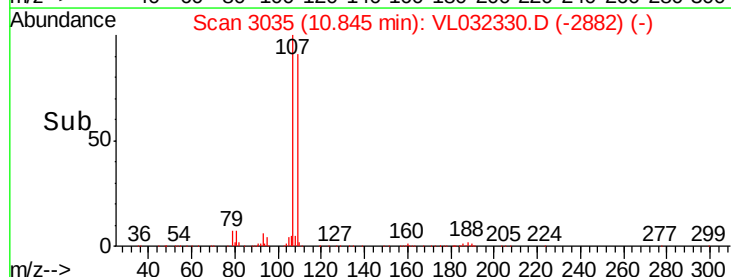
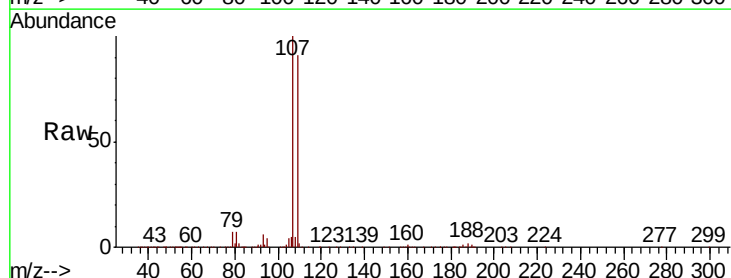
Acq: 1 Aug 2018 19:11

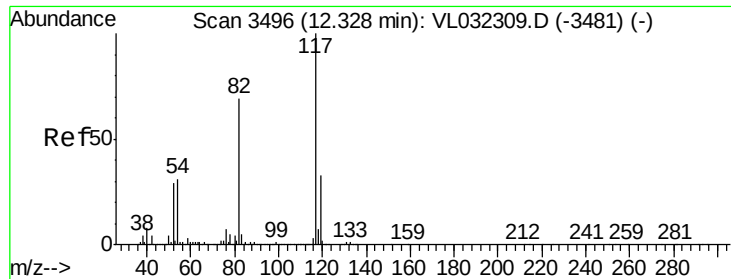
Tgt Ion: 107 Resp: 2495713

Ion Ratio Lower Upper

107 100

109 90.8 74.1 111.1





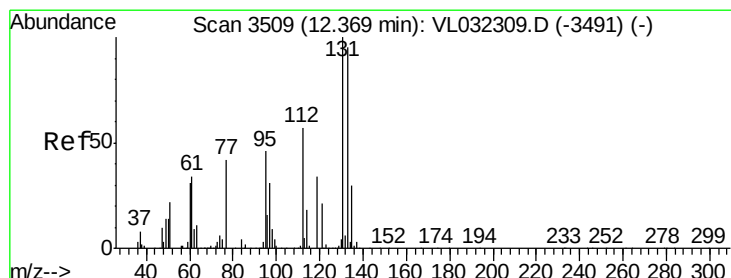
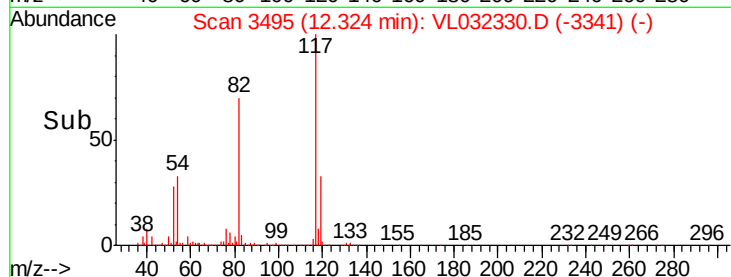
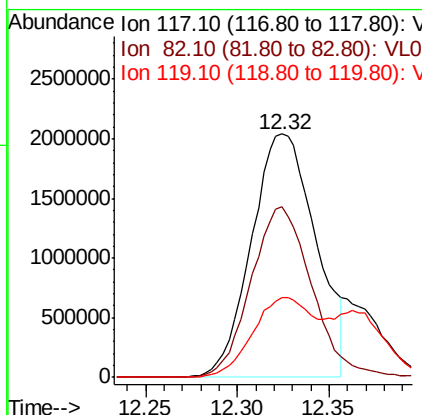
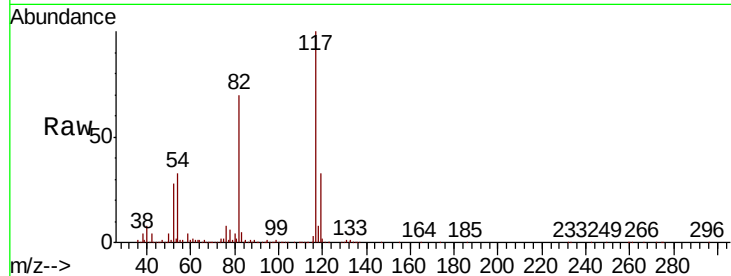
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.32 min Scan# 3495
Delta R.T. -0.00 min
Lab File: VL032330.D
Acq: 1 Aug 2018 19:11

Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

Tot Ion:117 Resp: 4998546
Ion Ratio Lower Upper
117 100
82 66.6 52.6 78.8
119 54.6 25.7 38.5#

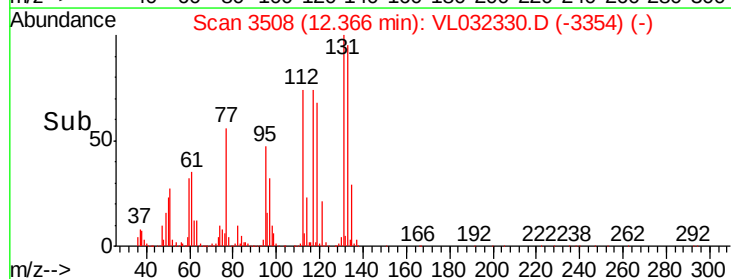
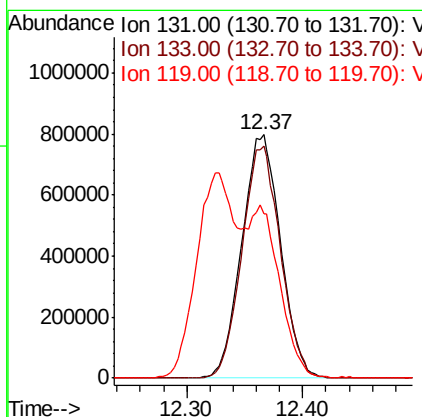
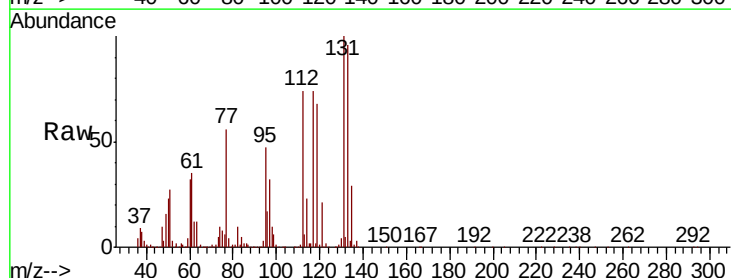
Manual Integrations
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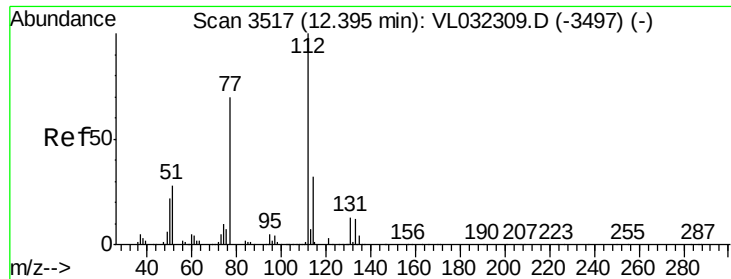
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.96 ppbv
RT: 12.37 min Scan# 3508
Delta R.T. -0.00 min
Lab File: VL032330.D
Acq: 1 Aug 2018 19:11

Tgt Ion:131 Resp: 1846937
Ion Ratio Lower Upper
131 100
133 95.2 75.8 113.6
119 147.4 48.1 72.1#





#57

Chlorobenzene

Concen: 8.70 ppbv

RT: 12.39 min Scan# 3515

Delta R.T. -0.01 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion: 112 Resp: 3381921

Ion Ratio Lower Upper

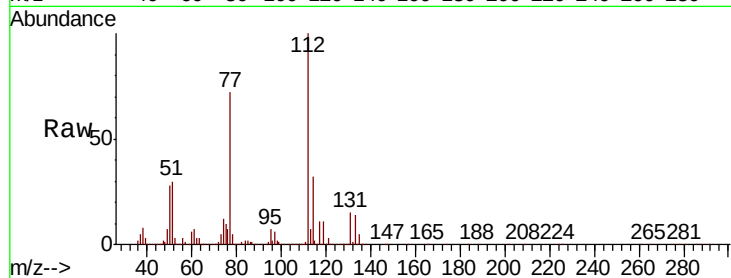
112 100

77 72.3 56.5 84.7

114 31.6 28.4 34.7

Manual Integrations
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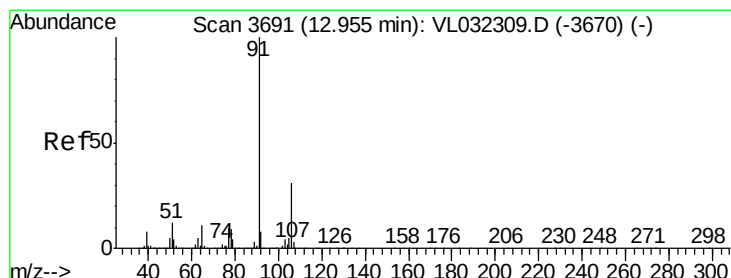
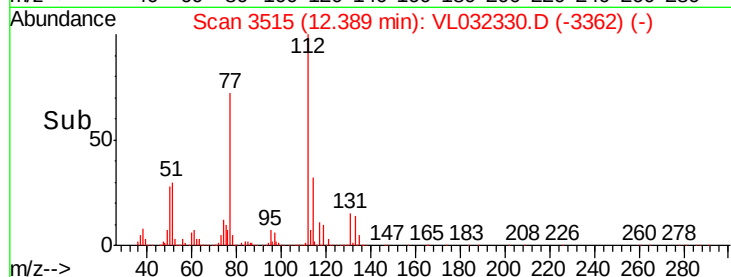
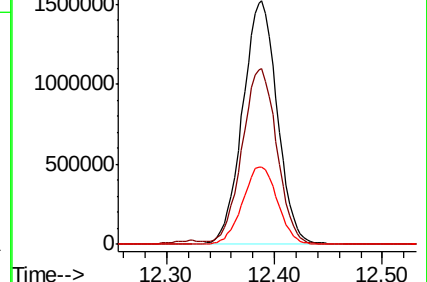
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.05 ppbv

RT: 12.95 min Scan# 3689

Delta R.T. -0.01 min

Lab File: VL032330.D

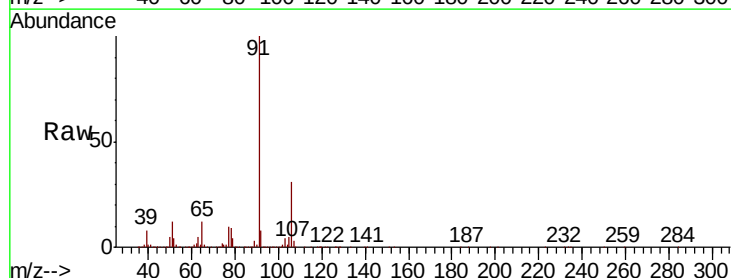
Acq: 1 Aug 2018 19:11

Tgt Ion: 91 Resp: 6300836

Ion Ratio Lower Upper

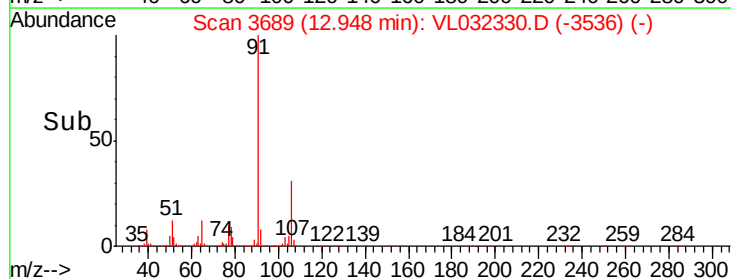
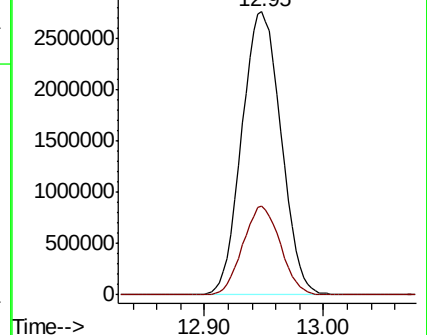
91 100

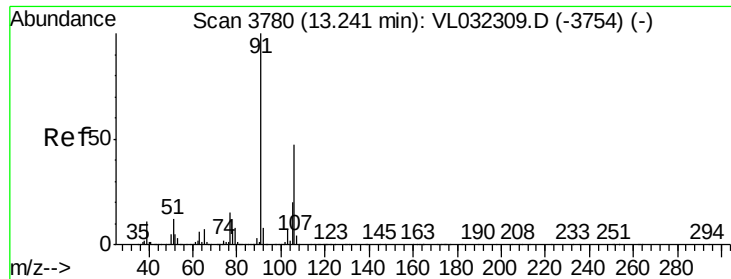
106 31.4 25.0 37.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





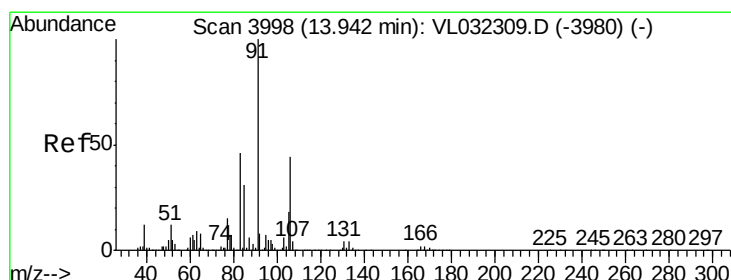
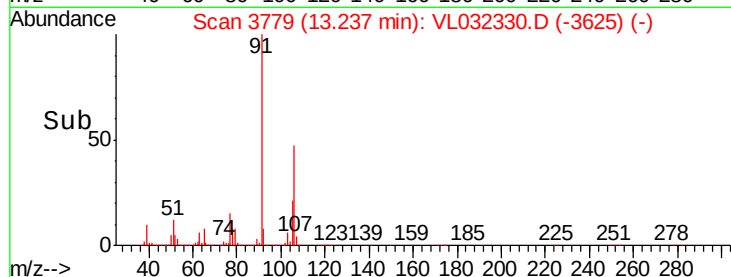
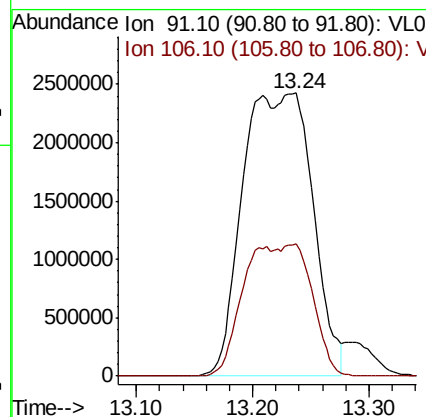
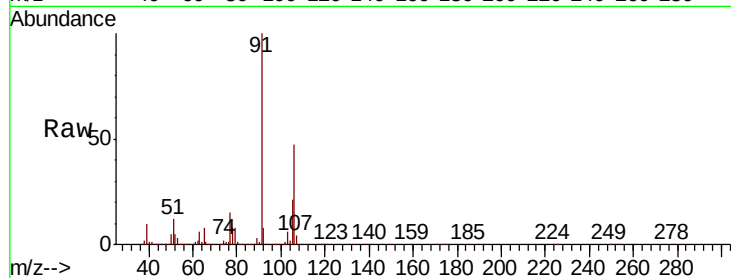
#59
m/p-Xylene
Concen: 18.87 ppbv m
RT: 13.24 min Scan# 3779
Delta R.T. -0.00 min
Lab File: VL032330.D
Acq: 1 Aug 2018 19:11

Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

Tot Ion: 91 Resp:10070682
Ion Ratio Lower Upper
91 100
106 45.5 36.4 54.6

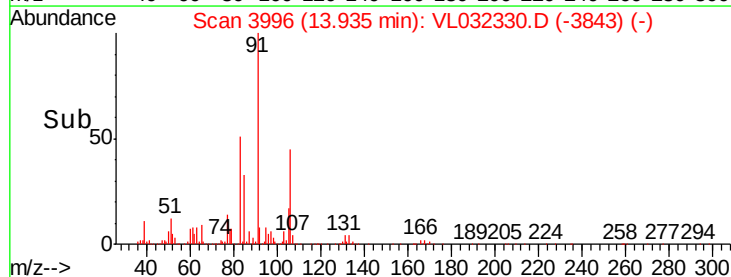
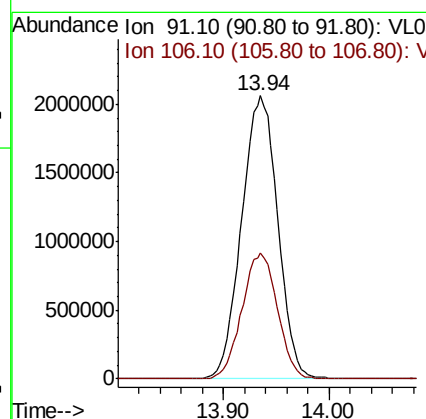
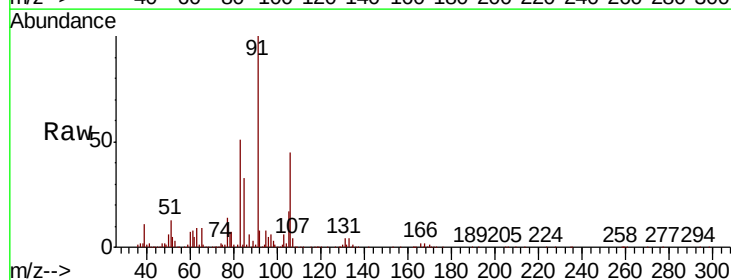
Manual Integrations
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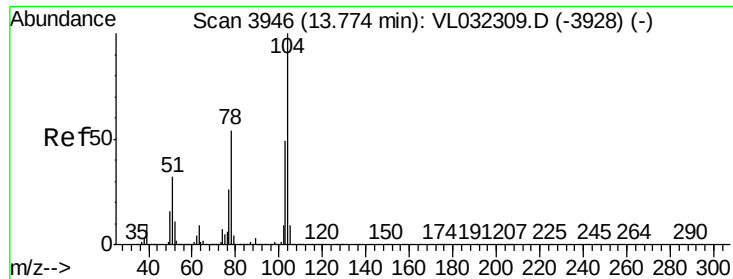
MMDadoda
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#60
o-Xylene
Concen: 9.37 ppbv
RT: 13.94 min Scan# 3996
Delta R.T. -0.01 min
Lab File: VL032330.D
Acq: 1 Aug 2018 19:11

Tgt Ion: 91 Resp: 4903736
Ion Ratio Lower Upper
91 100
106 43.7 22.4 67.0





#61

Stvrene

Concen: 10.05 ppbv

RT: 13.77 min Scan# 3945

Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion:104 Resp: 3867422

Ion Ratio Lower Upper

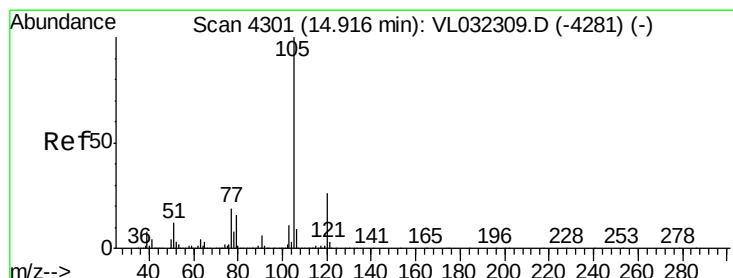
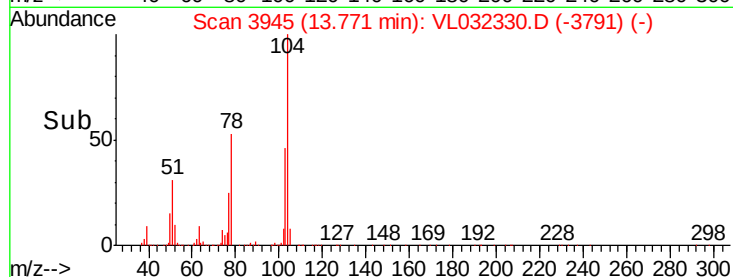
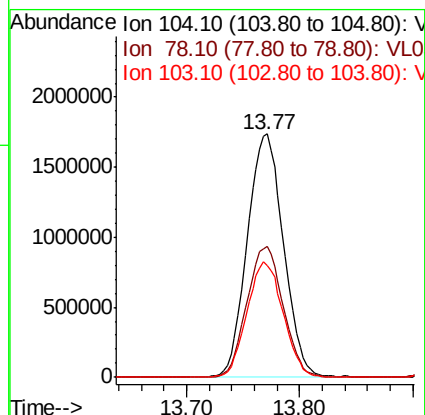
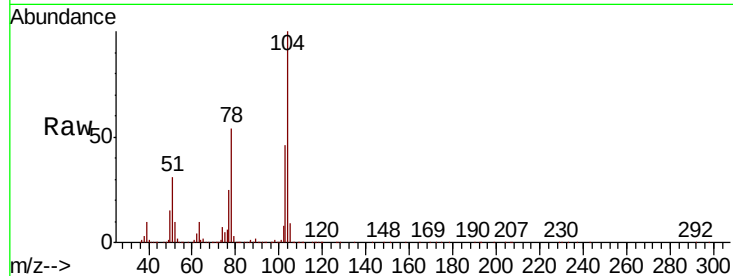
104 100

78 54.0 42.6 63.8

103 47.4 38.0 57.0

Manual Integrations
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#62

Isopropylbenzene

Concen: 9.32 ppbv

RT: 14.91 min Scan# 4299

Delta R.T. -0.01 min

Lab File: VL032330.D

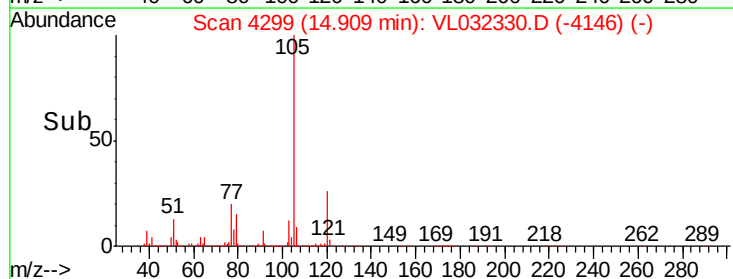
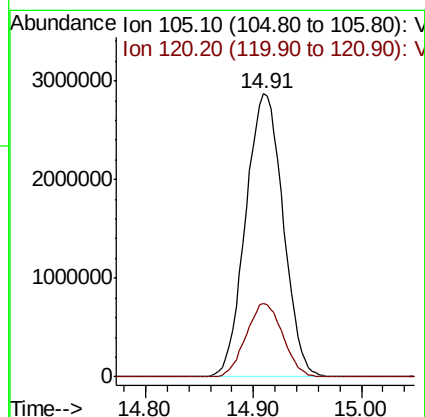
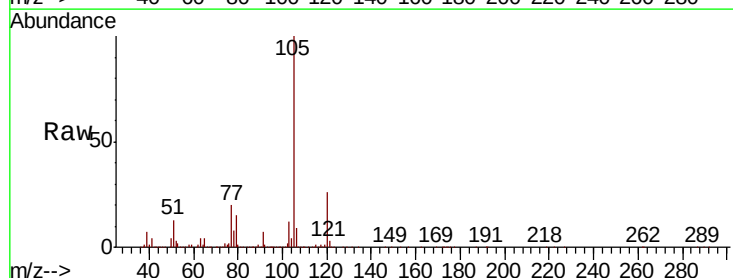
Acq: 1 Aug 2018 19:11

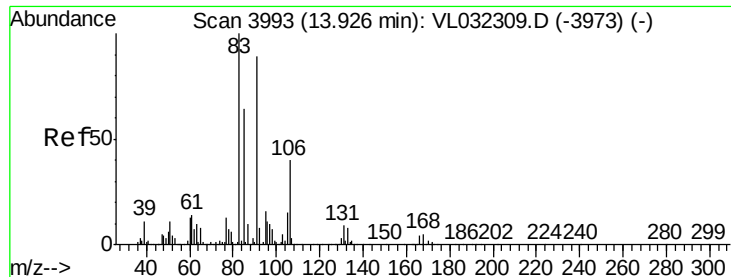
Tgt Ion:105 Resp: 6927766

Ion Ratio Lower Upper

105 100

120 25.6 20.4 30.6





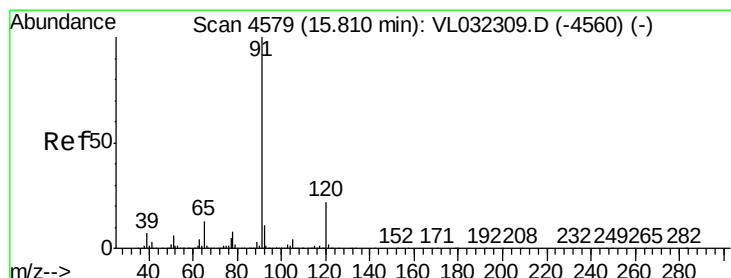
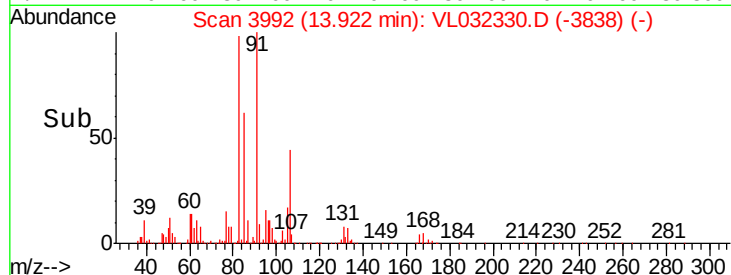
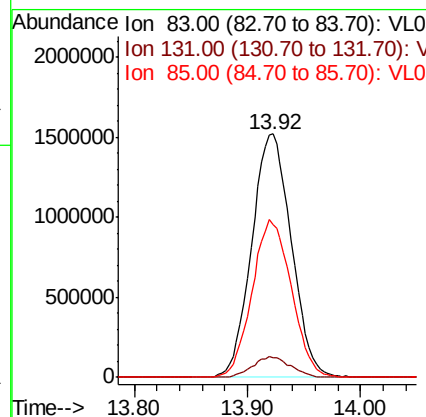
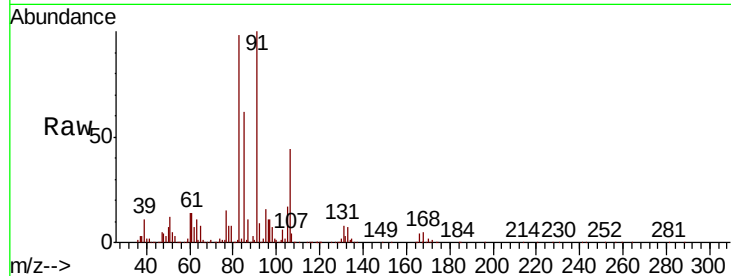
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.68 ppbv
 RT: 13.92 min Scan# 3992
 Delta R.T. -0.00 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.3	4.3	12.8
85	64.5	32.6	97.7

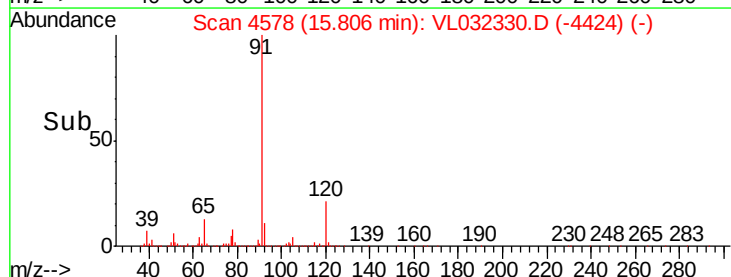
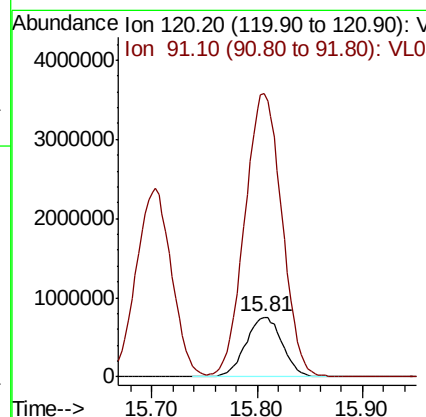
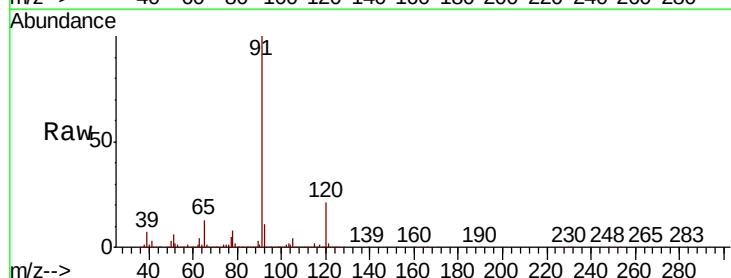
Manual Integrations
 APPROVED

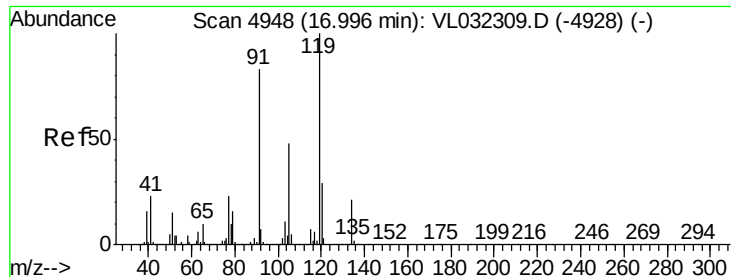
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.38 ppbv
 RT: 15.81 min Scan# 4578
 Delta R.T. -0.00 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Tgt Ion	Ratio	Lower	Upper
120	100		
91	483.7	381.8	572.8





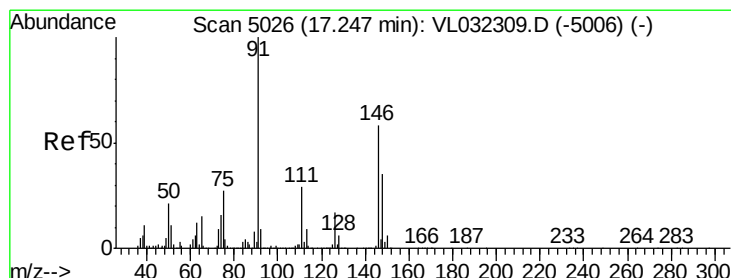
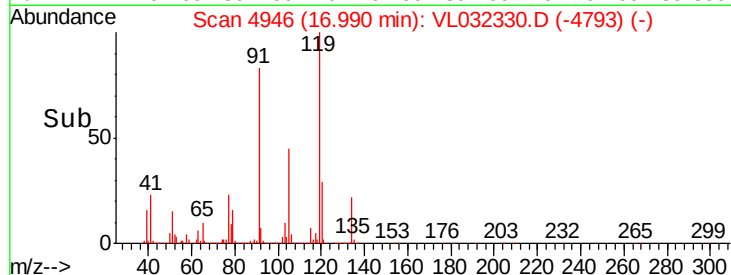
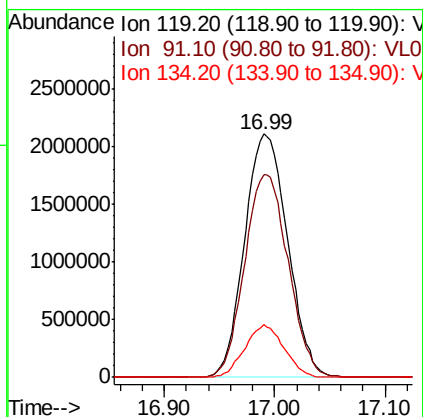
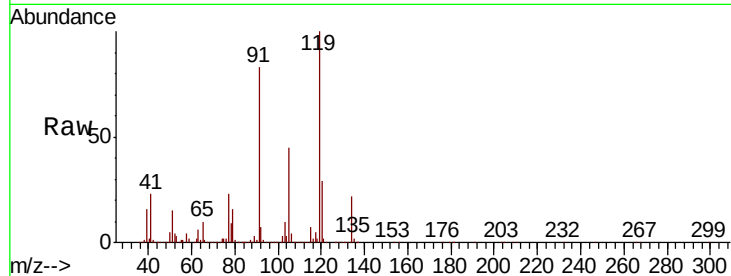
#65
tert-Butylbenzene
Concen: 9.08 ppbv
RT: 16.99 min Scan# 4946
Delta R.T. -0.01 min
Lab File: VL032330.D
Acq: 1 Aug 2018 19:11

Instrument :
MSVOA_L
ClientSampleId :
VL0801ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	84.6	67.5	101.3
134	19.6	15.8	23.6

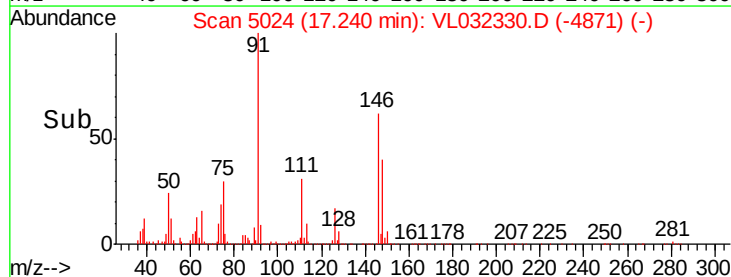
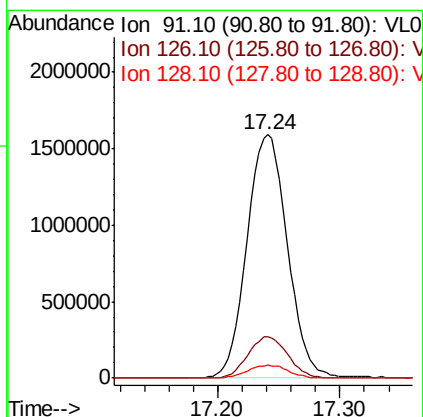
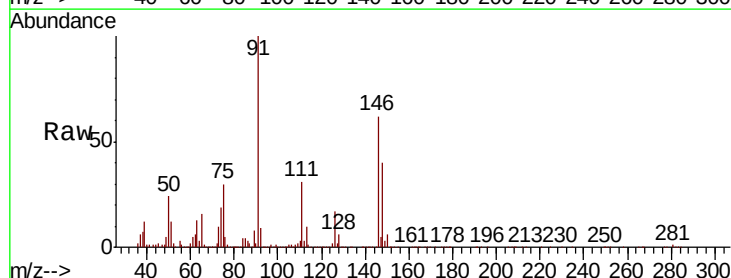
Manual Integrations
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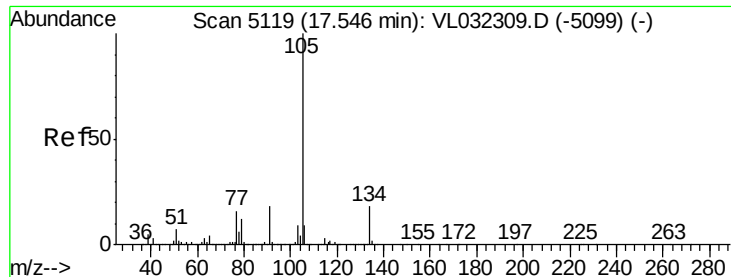
MMDadoda
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#66
Benzyl Chloride
Concen: 9.71 ppbv
RT: 17.24 min Scan# 5024
Delta R.T. -0.01 min
Lab File: VL032330.D
Acq: 1 Aug 2018 19:11

Tgt Ion	Ratio	Lower	Upper
91	100		
126	17.0	13.7	20.5
128	5.4	4.3	6.5





#67

sec-Butylbenzene

Concen: 9.11 ppbv

RT: 17.54 min Scan# 5118

Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion: 105 Resp: 8564678

Ion Ratio Lower Upper

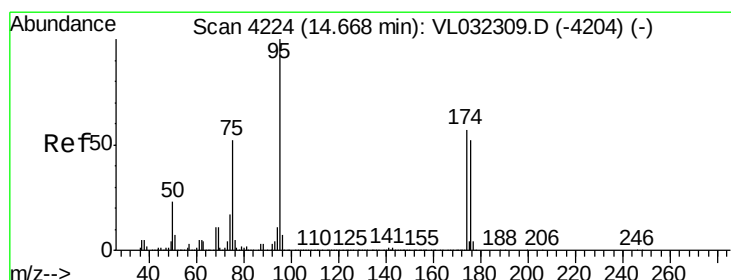
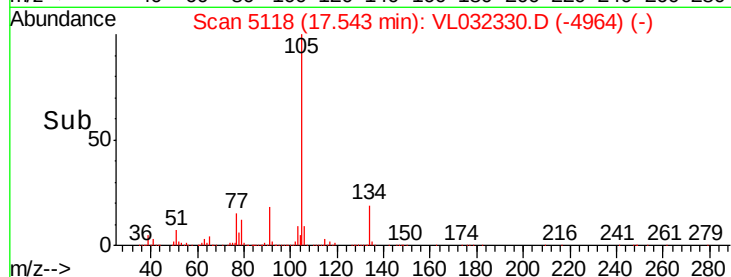
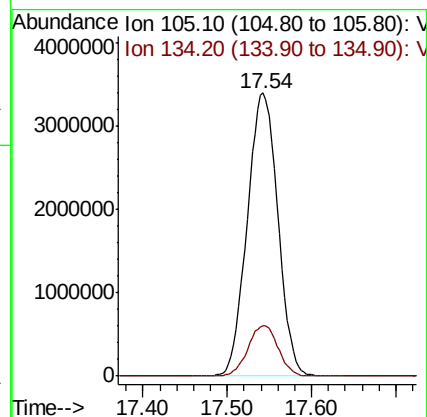
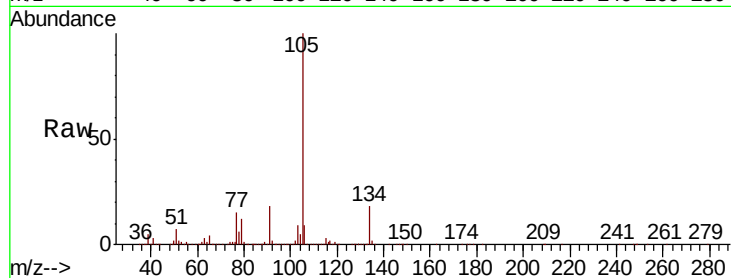
105 100

134 17.7 14.2 21.4

Manual Integrations
APPROVED

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.79 ppbv

RT: 14.66 min Scan# 4222

Delta R.T. -0.01 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

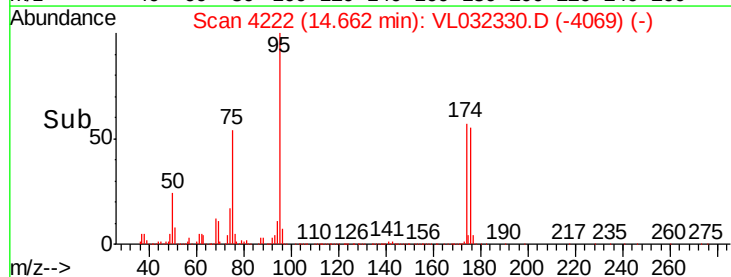
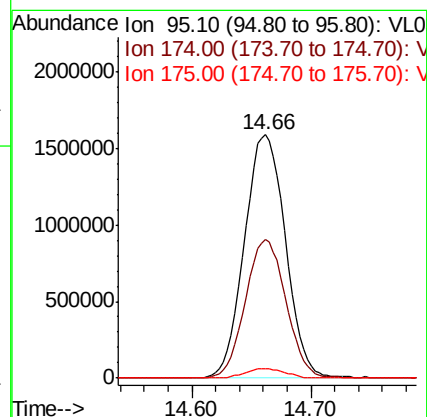
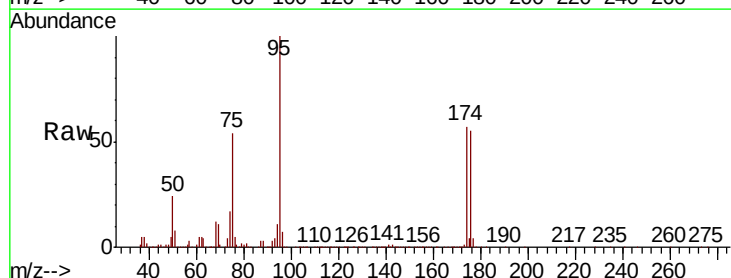
Tgt Ion: 95 Resp: 3796756

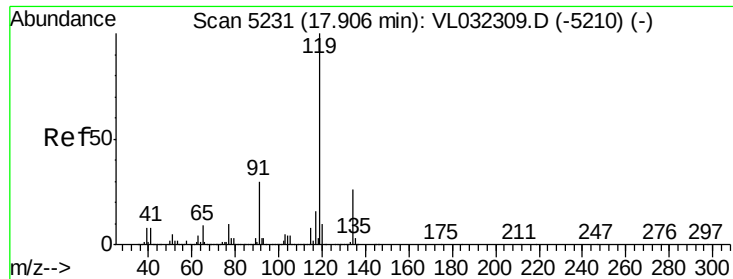
Ion Ratio Lower Upper

95 100

174 56.5 45.5 68.3

175 4.0 3.3 4.9





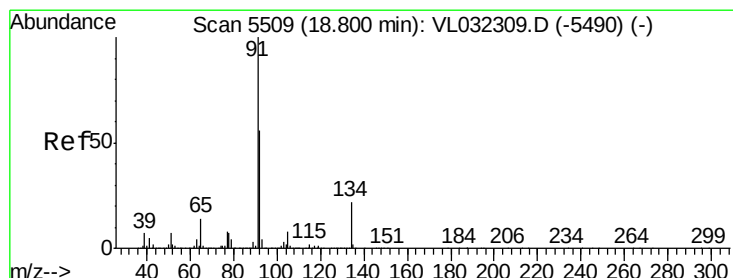
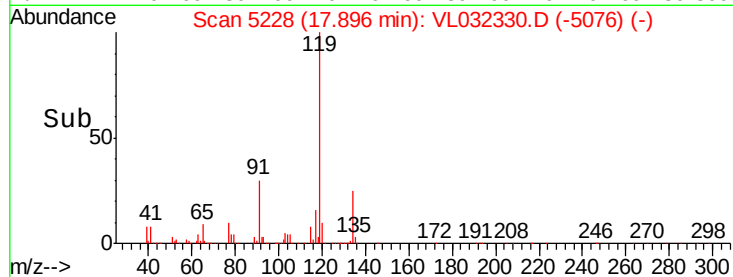
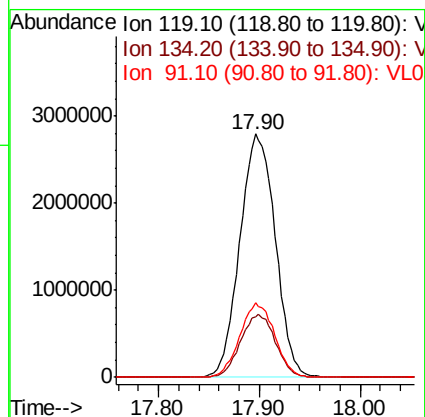
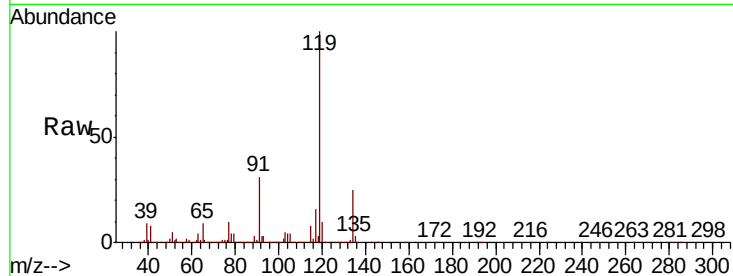
#69
 p-Isopropyltoluene
 Concen: 9.34 ppbv
 RT: 17.90 min Scan# 5228
 Delta R.T. -0.01 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.3	30.5
91	29.9	23.8	35.6

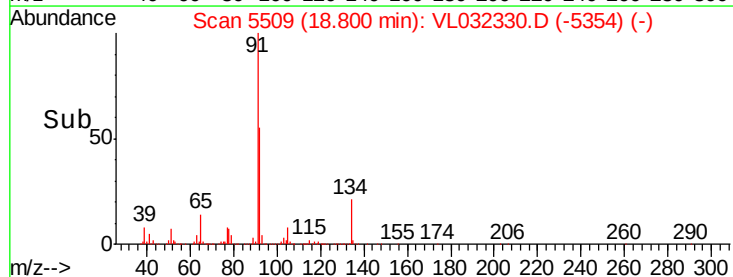
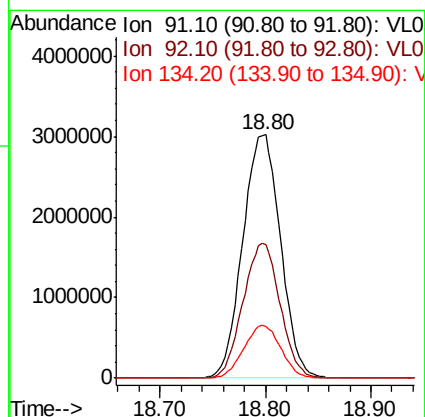
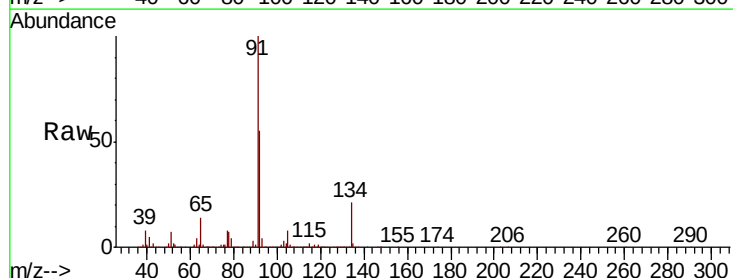
Manual Integrations
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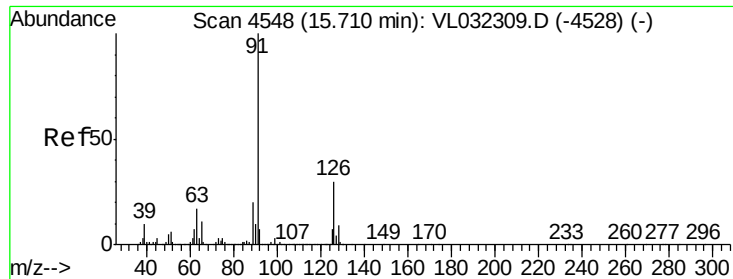
MMDadoda
 8/2/2018 2:04:53 PM



#70
 n-Butylbenzene
 Concen: 8.96 ppbv
 RT: 18.80 min Scan# 5509
 Delta R.T. -0.00 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.3	44.2	66.4
134	21.2	17.4	26.2





#71

2-Chlorotoluene

Concen: 9.54 ppbv

RT: 15.70 min Scan# 4546

Delta R.T. -0.01 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion: 91 Resp: 5562799

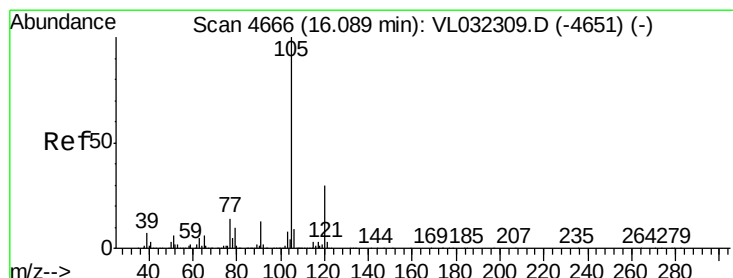
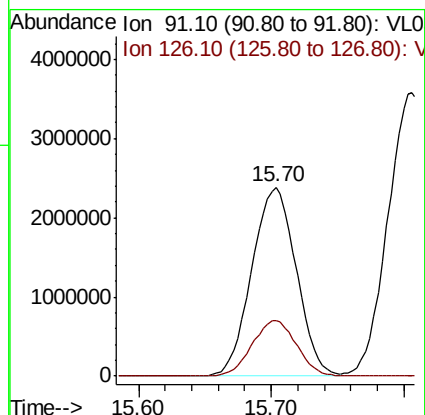
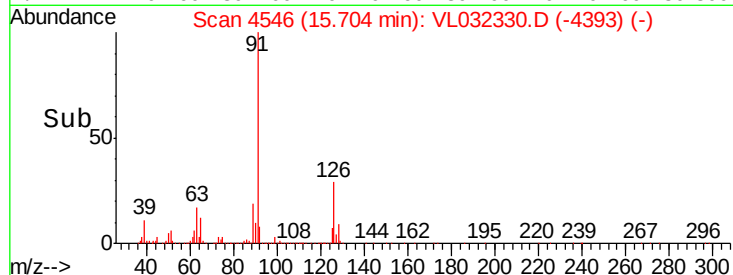
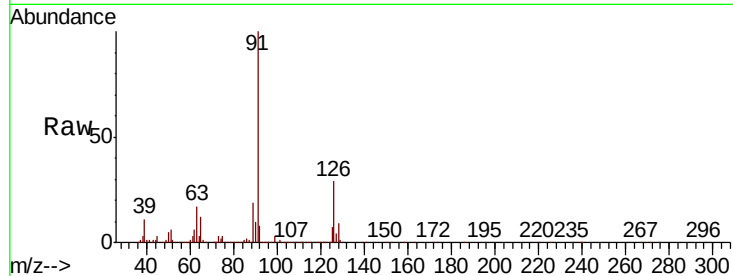
Ion Ratio Lower Upper

91 100

126 29.4 11.8 47.0

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#72

4-Ethyltoluene

Concen: 9.83 ppbv

RT: 16.08 min Scan# 4664

Delta R.T. -0.01 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Tgt Ion: 105 Resp: 5763634

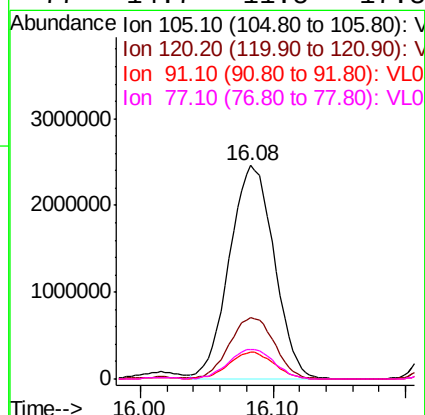
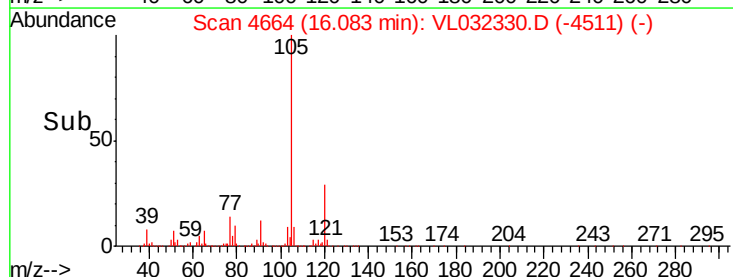
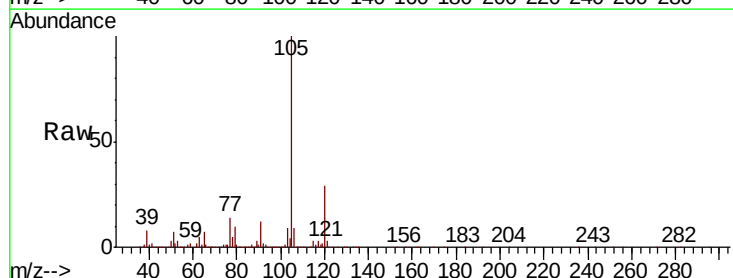
Ion Ratio Lower Upper

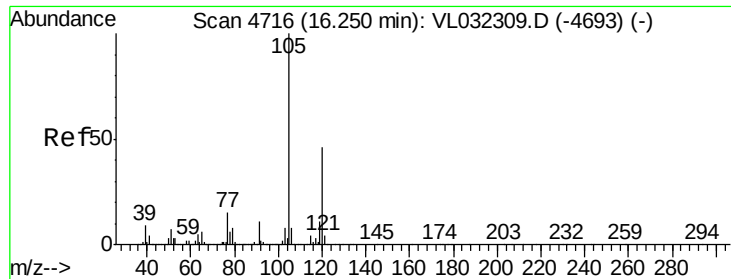
105 100

120 29.0 23.1 34.7

91 12.5 10.0 15.0

77 14.7 11.5 17.3





#73

1,3,5-Trimethylbenzene

Concen: 9.36 ppbv

RT: 16.24 min Scan# 4713

Delta R.T. -0.01 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

ClientSampleId :

VL0801ABS01

Tot Ion:105 Resp: 5401183

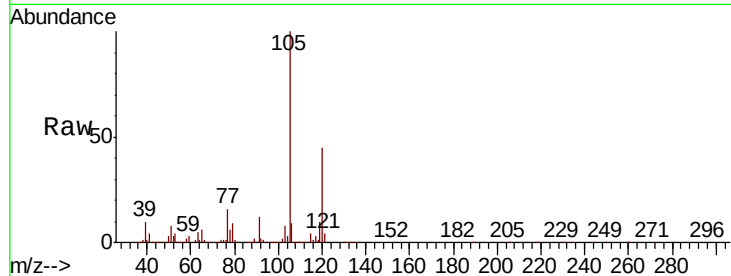
Ion Ratio Lower Upper

105 100

120 45.4 36.5 54.7

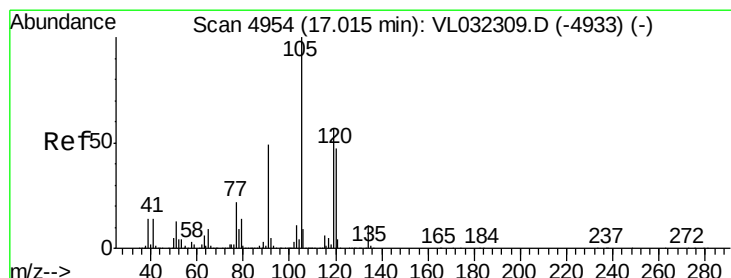
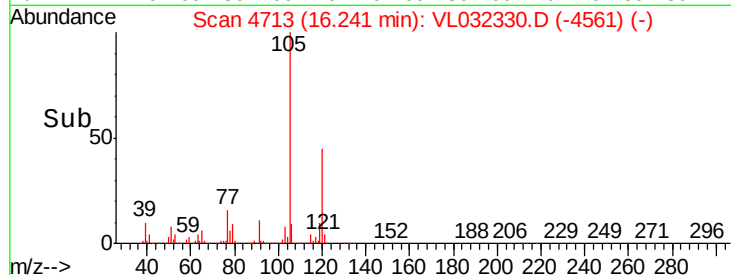
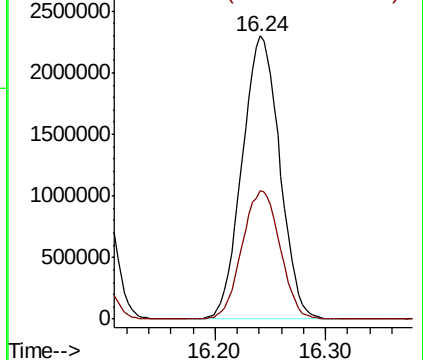
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.79 ppbv

RT: 17.01 min Scan# 4952

Delta R.T. -0.01 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Tgt Ion:105 Resp: 5346973

Ion Ratio Lower Upper

105 100

120 46.5 37.8 56.6

91 50.4 39.4 59.0

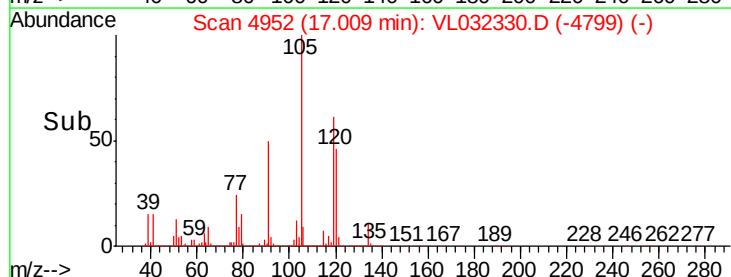
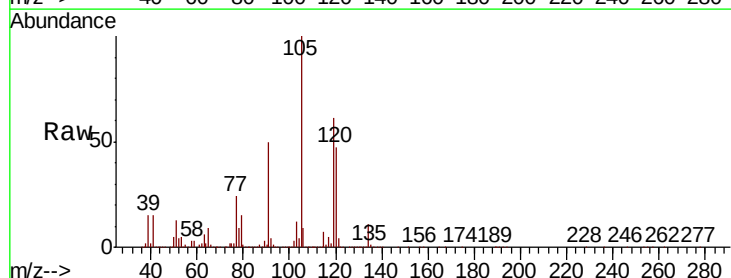
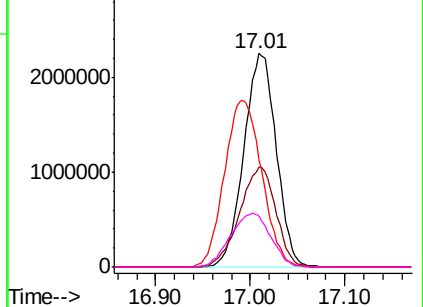
77 23.7 17.6 26.4

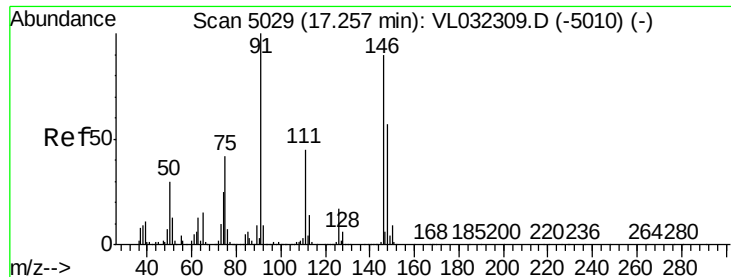
Abundance Ion 105.10 (104.80 to 105.80): V

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





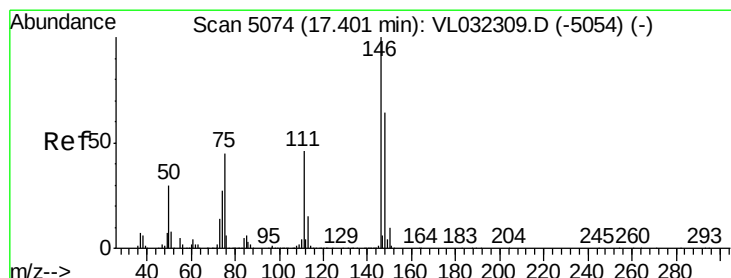
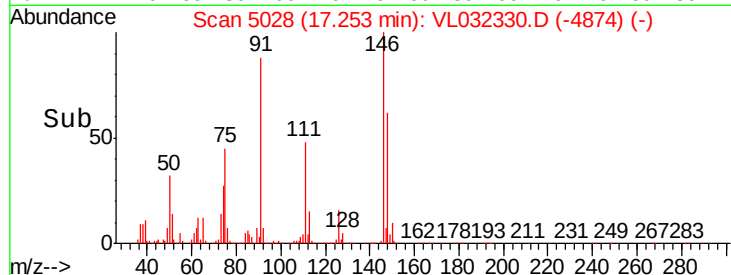
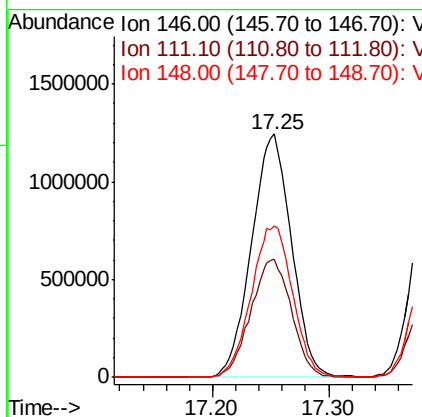
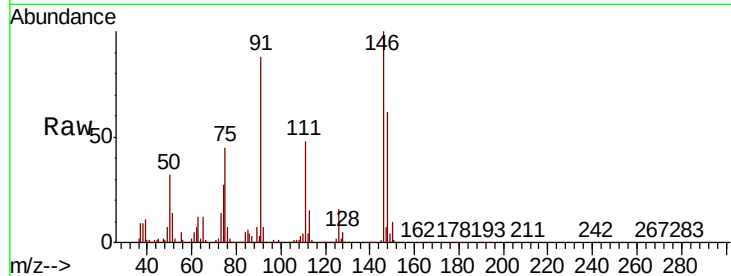
#75
 1,3-Dichlorobenzene
 Concen: 8.44 ppbv
 RT: 17.25 min Scan# 5028
 Delta R.T. -0.00 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.7	24.6	73.8
148	64.5	31.6	95.0

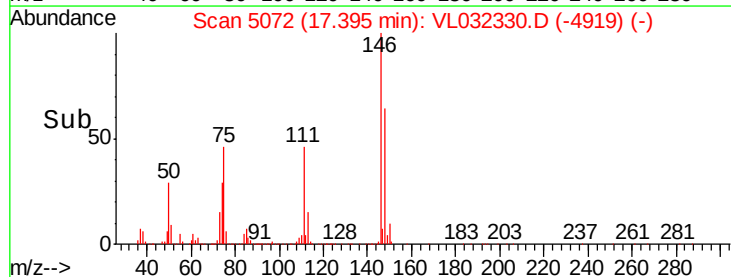
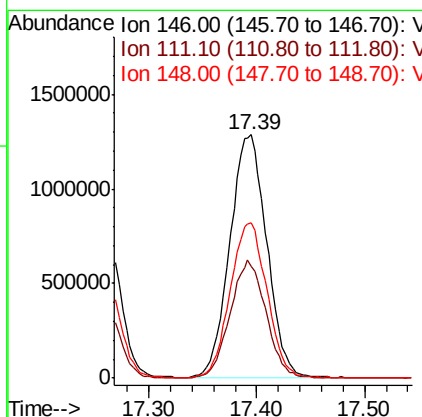
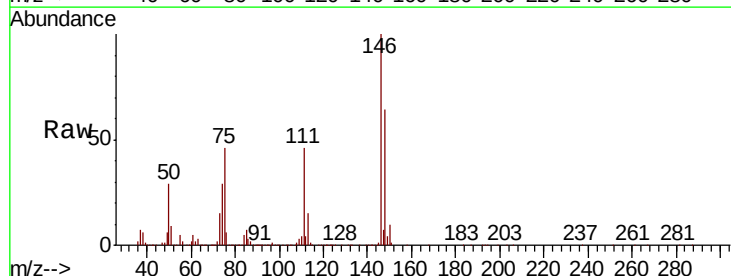
Manual Integrations
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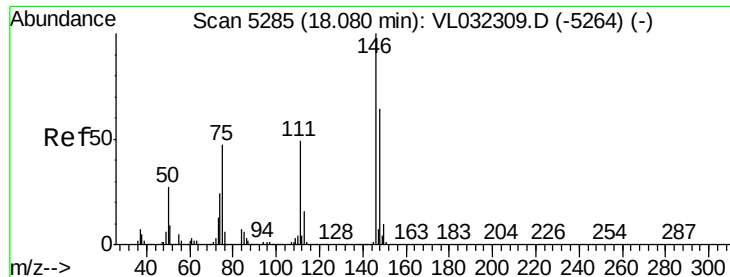
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 8/2/2018 2:04:53 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.03 ppbv
 RT: 17.39 min Scan# 5072
 Delta R.T. -0.01 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.2	23.6	70.8
148	64.3	32.1	96.3





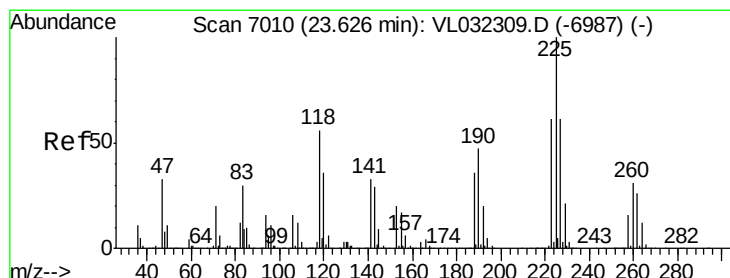
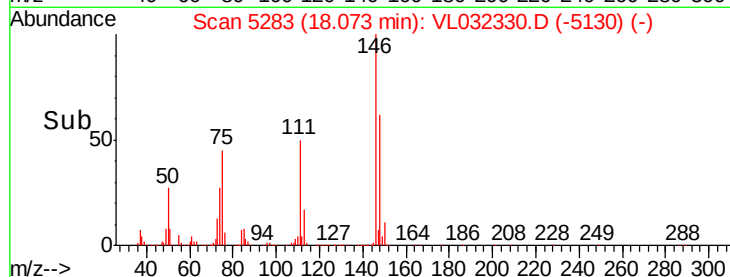
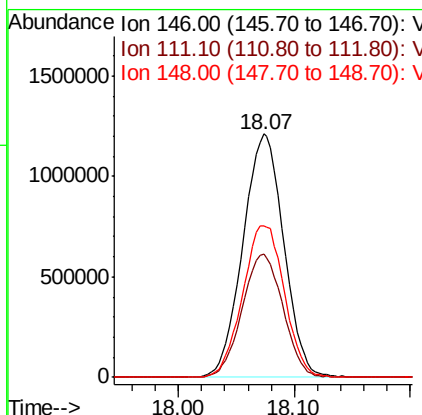
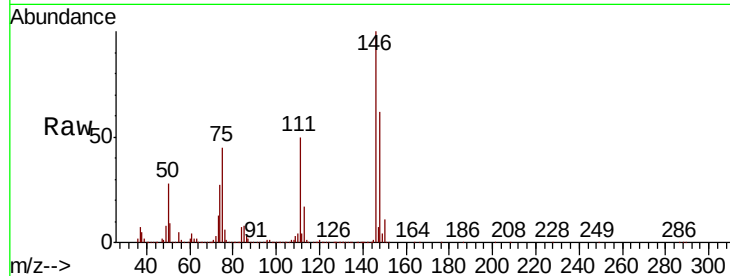
#77
 1,2-Dichlorobenzene
 Concen: 8.54 ppbv
 RT: 18.07 min Scan# 5283
 Delta R.T. -0.01 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.9	25.1	75.3
148	64.0	31.9	95.7

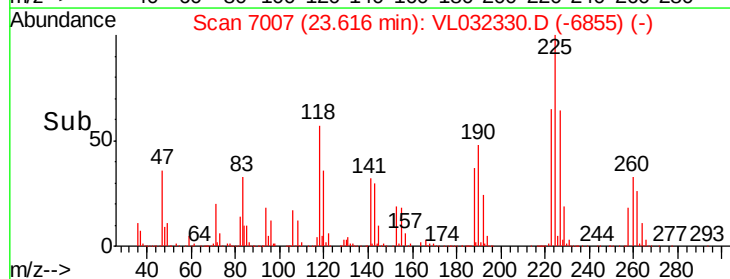
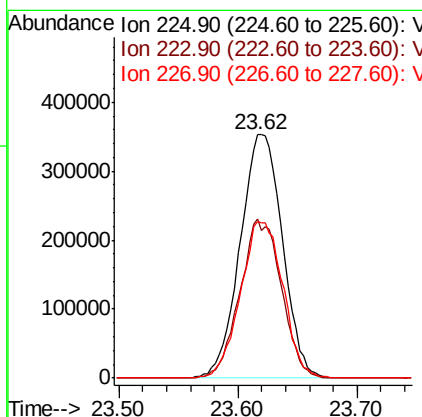
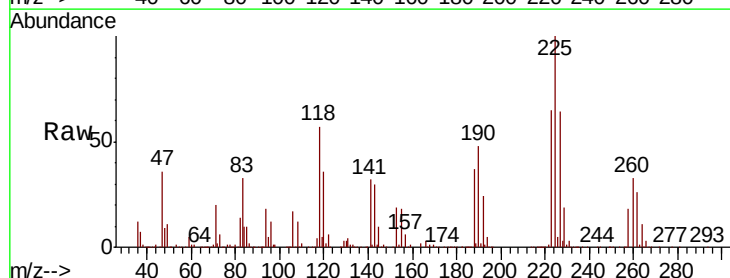
Manual Integrations
 APPROVED

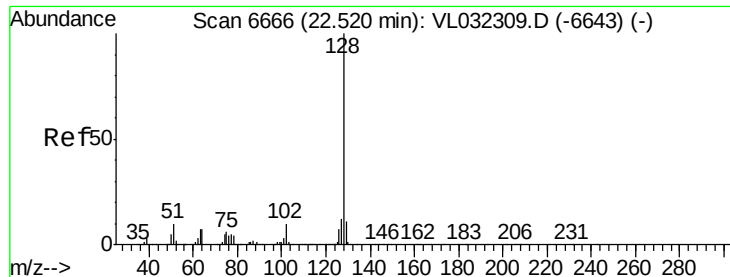
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.13 ppbv
 RT: 23.62 min Scan# 7007
 Delta R.T. -0.01 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.9	50.5	75.7
227	64.5	51.3	76.9





#79

Naphthalene

Concen: 9.63 ppbv

RT: 22.51 min Scan# 6663

Delta R.T. -0.01 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Instrument :

MSVOA_L

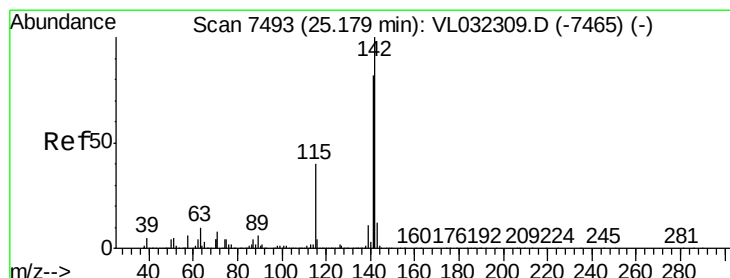
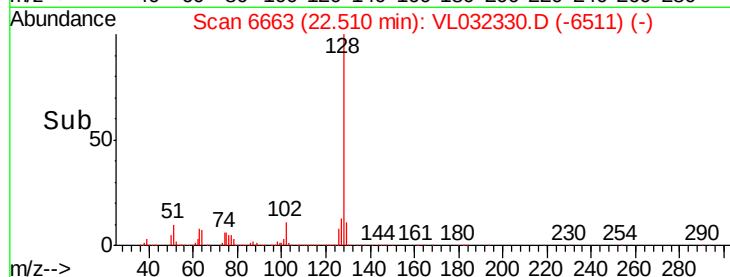
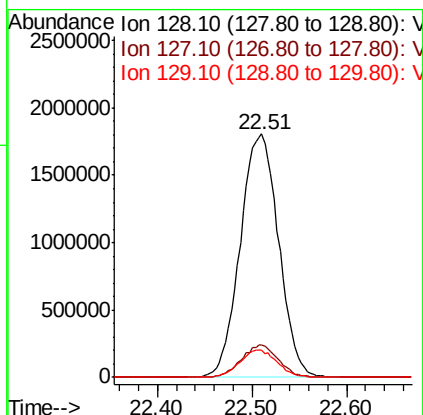
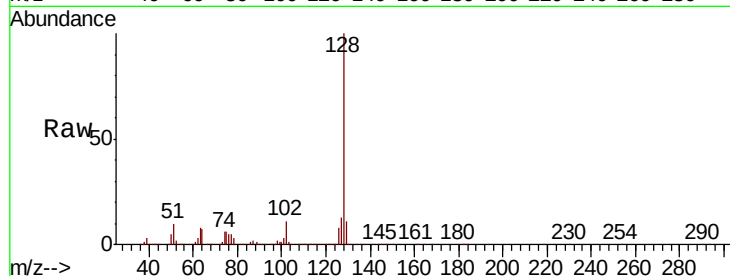
ClientSampleId :

VL0801ABS01

Tot Ion:	128	Resp:	5081984
Ion	Ratio	Lower	Upper
128	100		
127	13.2	9.9	14.9
129	11.0	8.8	13.2

Manual Integrations
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8/2/2018 2:04:53 PM



#80

Naphthalene, 2-methyl-

Concen: 10.44 ppbv

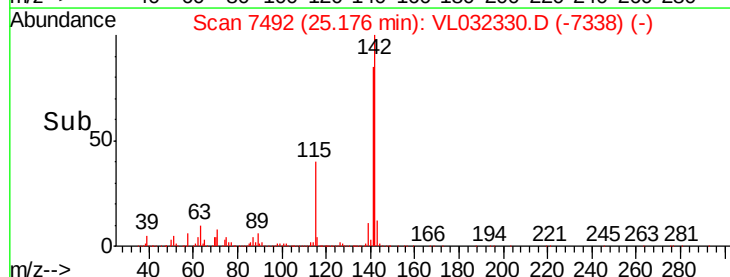
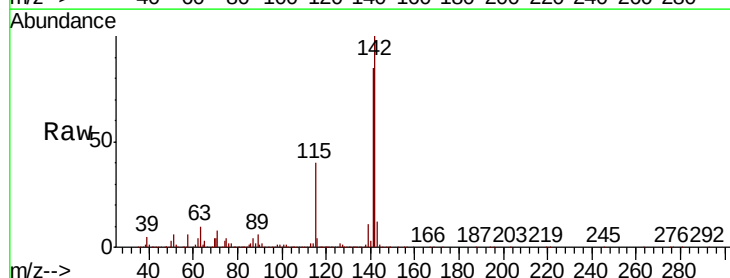
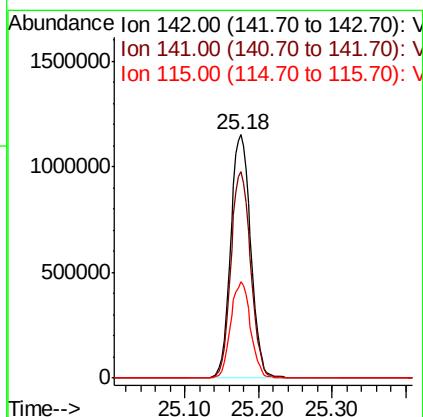
RT: 25.18 min Scan# 7492

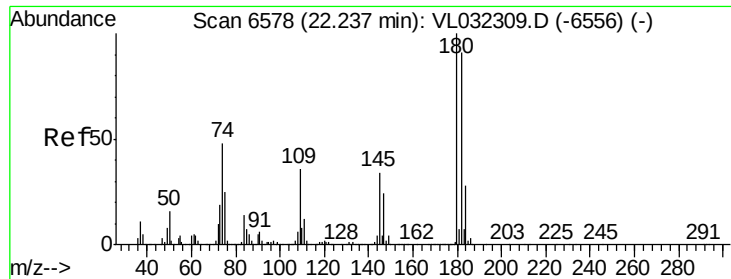
Delta R.T. -0.00 min

Lab File: VL032330.D

Acq: 1 Aug 2018 19:11

Tgt Ion:	142	Resp:	2180284
Ion	Ratio	Lower	Upper
142	100		
141	84.1	66.7	100.1
115	39.1	31.1	46.7





#81
 1,2,4-Trichlorobenzene
 Concen: 9.09 ppbv
 RT: 22.23 min Scan# 6576
 Delta R.T. -0.01 min
 Lab File: VL032330.D
 Acq: 1 Aug 2018 19:11

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0801ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.2	114.2
184	30.1	24.3	36.5

Manual Integrations
 APPROVED

MMDadoda
 8/2/2018 2:04:53 PM

