

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032309.D
 Acq On : 27 Jul 2018 00:36
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 11:42:55 AM

Quant Time: Jul 27 05:38:14 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 05:29:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1926622	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	4145843	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	5243094m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	3820050	9.10	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	1760132	5.83	ppbv	100
3) Chlorodifluoromethane	3.06	51	1920780	8.93	ppbv	100
4) Chloromethane	3.22	50	1192497	9.37	ppbv	100
5) Vinyl Chloride	3.34	62	1110712	9.22	ppbv	100
6) Bromomethane	3.57	94	587856	9.01	ppbv	100
7) Chloroethane	3.65	64	384788	9.05	ppbv	100
8) Dichlorotetrafluoroethane	3.27	85	2242900	8.49	ppbv	100
9) Propene	3.08	41	930777	9.87	ppbv	100
10) Heptane	8.33	43	3329025	11.02	ppbv	100
11) Trichlorofluoromethane	4.06	101	2198150	8.70	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1454048	8.92	ppbv	100
13) Ethanol	3.70	45	233107	8.60	ppbv	100
14) Bromoethene	3.84	108	686715	9.36	ppbv	100
15) Acetone	3.96	43	1700845	8.56	ppbv	100
16) 1,3-Butadiene	3.41	39	945284	9.30	ppbv	100
17) tert-Butyl alcohol	4.42	59	626365	9.78	ppbv	100
18) 1,1-Dichloroethene	4.41	96	715096	9.35	ppbv	100
19) Isopropyl Alcohol	4.08	45	1359619	9.95	ppbv	99
20) Methylene Chloride	4.47	84	677544	8.67	ppbv	100
21) Allyl Chloride	4.54	41	1316523	9.87	ppbv	100
22) trans-1,2-Dichloroethene	5.03	96	730994	9.29	ppbv	100
23) Vinyl Acetate	5.22	43	3486124	9.71	ppbv	100
24) 1,1-Dichloroethane	5.16	63	2334579	8.98	ppbv	100
25) Ethyl Acetate	5.84	43	4047560	9.25	ppbv	100
26) Hexane	5.85	57	1831992	9.13	ppbv	100
27) Carbon Disulfide	4.68	76	1845831	10.37	ppbv	100
28) Methyl tert-Butyl Ether	5.18	73	2722903	9.27	ppbv	100
29) Chloroform	5.92	83	2652206	9.03	ppbv	100
30) Cyclohexane	7.33	84	1560087	9.34	ppbv	100
31) cis-1,2-Dichloroethene	5.71	61	1878507	9.73	ppbv	100
32) 1,1,1-Trichloroethane	6.70	97	2589552	8.71	ppbv	100
34) 2-Butanone	5.40	43	2821898	9.84	ppbv	100
35) Carbon Tetrachloride	7.22	117	2567455	9.05	ppbv	100
36) Benzene	7.09	78	3924015	9.58	ppbv	100
37) 1,2-Dichloroethane	6.49	62	2143112	8.95	ppbv	100
38) Trichloroethene	8.04	130	1551102	11.18	ppbv	100
39) 1,2-Dichloropropane	7.82	63	1899789	11.24	ppbv	100
40) 1,4-Dioxane	8.04	88	594117	11.96	ppbv	100
41) Tetrahydrofuran	6.22	42	1690708	10.23	ppbv	100
42) Bromodichloromethane	8.00	83	3581490	11.31	ppbv	100
43) Methyl Methacrylate	8.22	69	1983063	11.79	ppbv	100

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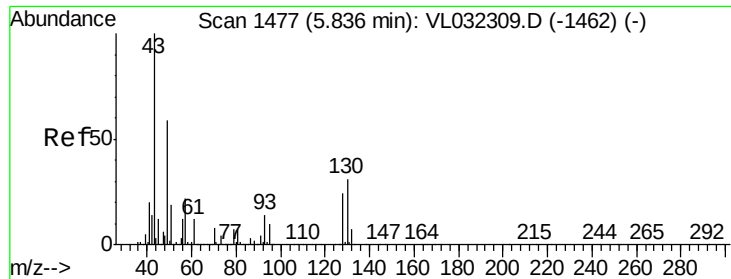
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	8136698	11.21	ppbv	100
45) t-1,3-Dichloropropene	9.50	75	2462887	12.08	ppbv	100
46) cis-1,3-Dichloropropene	8.92	75	2908518	11.50	ppbv	100
47) 1,1,2-Trichloroethane	9.70	97	1809250	10.28	ppbv	100
48) Dibromochloromethane	10.54	129	2796095	10.80	ppbv	100
49) Bromoform	13.30	173	2330347	10.33	ppbv	100
50) 4-Methyl-2-Pentanone	8.95	43	5062466	10.70	ppbv	100
51) 2-Hexanone	10.36	43	4084586	10.97	ppbv	100
52) Tetrachloroethene	11.46	164	1370436	9.70	ppbv	100
53) Toluene	10.03	91	5006269	10.09	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2691328	10.30	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.37	131	2009614	8.65	ppbv	100
57) Chlorobenzene	12.40	112	3691386	8.60	ppbv	100
58) Ethyl Benzene	12.95	91	6800917	9.36	ppbv	100
59) m/p-Xylene	13.24	91	10950191m	17.46	ppbv	
60) o-Xylene	13.94	91	5287685	8.46	ppbv	100
61) Styrene	13.77	104	4340433	9.45	ppbv	100
62) Isopropylbenzene	14.92	105	7542547	8.53	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3972690	7.44	ppbv	100
64) n-propylbenzene	15.81	120	1978127	8.72	ppbv	100
65) tert-Butylbenzene	17.00	119	6166303	8.17	ppbv	100
66) Benzyl Chloride	17.25	91	4395080	10.40	ppbv	100
67) sec-Butylbenzene	17.55	105	9247233	8.20	ppbv	100
69) p-Isopropyltoluene	17.91	119	7369632	8.44	ppbv	100
70) n-Butylbenzene	18.80	91	8333458	8.55	ppbv	100
71) 2-Chlorotoluene	15.71	91	6022220	8.52	ppbv	100
72) 4-Ethyltoluene	16.09	105	6310771	8.87	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5947582	8.55	ppbv	100
74) 1,2,4-Trimethylbenzene	17.02	105	5848236	8.00	ppbv	100
75) 1,3-Dichlorobenzene	17.26	146	3279167	8.04	ppbv	100
76) 1,4-Dichlorobenzene	17.40	146	3343024	8.28	ppbv	100
77) 1,2-Dichlorobenzene	18.08	146	3293018	8.33	ppbv	100
78) Hexachloro-1,3-Butadiene	23.63	225	1054659	8.12	ppbv	100
79) Naphthalene	22.52	128	5699892	9.18	ppbv	100
80) Naphthalene, 2-methyl-	25.18	142	2805473	10.64	ppbv	100
81) 1,2,4-Trichlorobenzene	22.24	180	2728773	8.99	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 49 Resp: 1926622

Ion Ratio Lower Upper

49 100

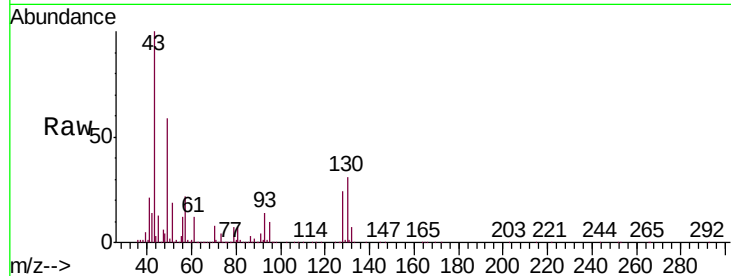
128 40.4 20.2 60.6

130 51.6 25.8 77.3

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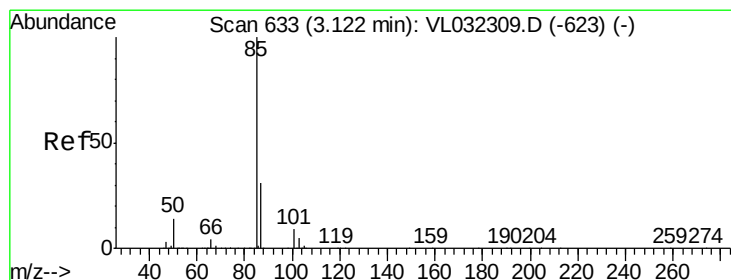
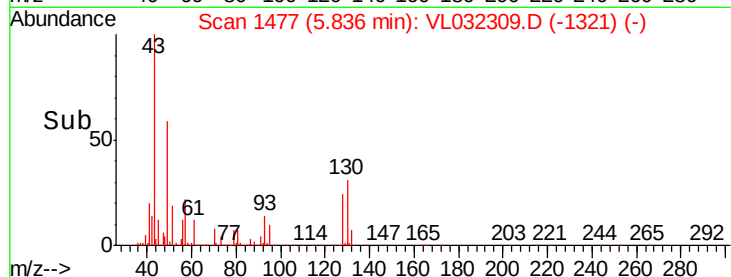
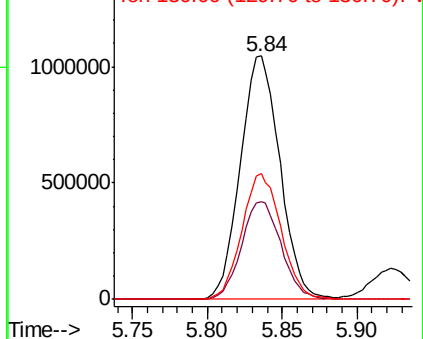
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 5.83 ppbv

RT: 3.12 min Scan# 633

Delta R.T. 0.00 min

Lab File: VL032309.D

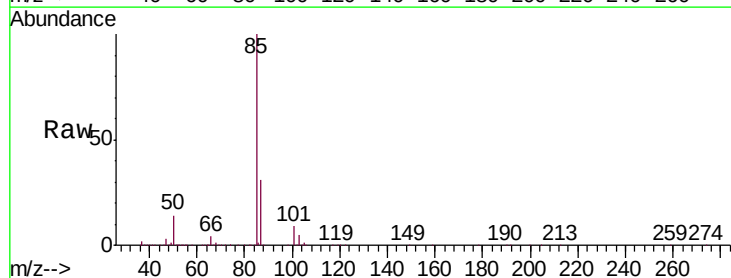
Acq: 27 Jul 2018 00:36

Tgt Ion: 85 Resp: 1760132

Ion Ratio Lower Upper

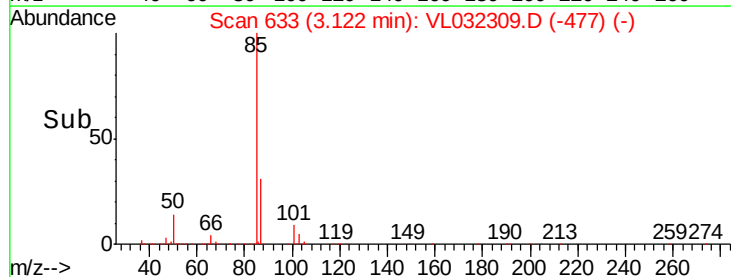
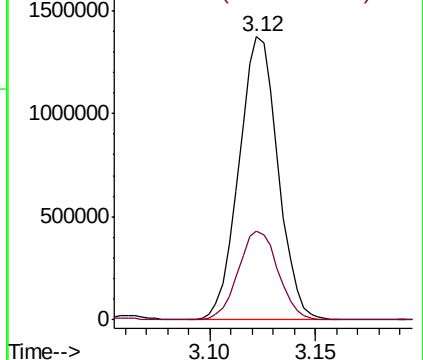
85 100

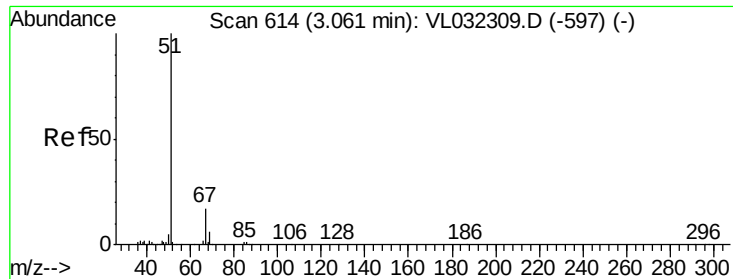
87 31.5 25.2 37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.93 ppbv

RT: 3.06 min Scan# 614

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 51 Resp: 1920780

Ion Ratio Lower Upper

51 100

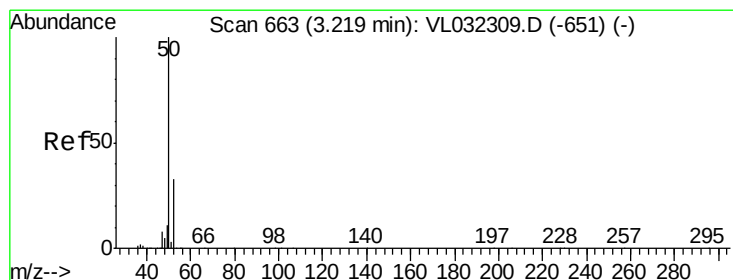
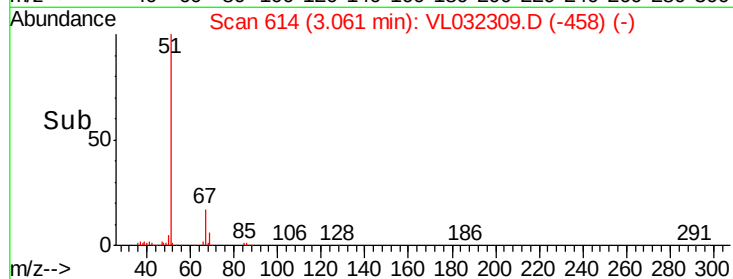
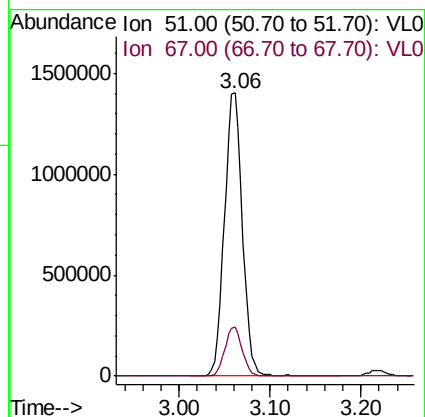
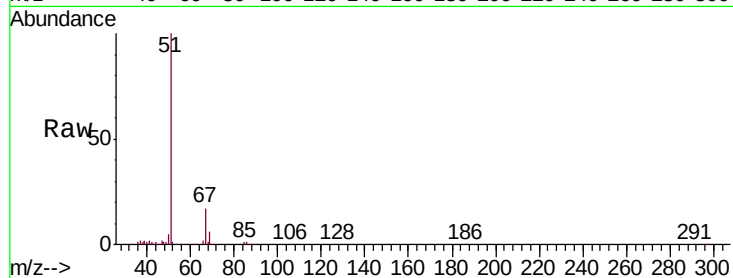
67 16.9 13.5 20.3

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#4

Chloromethane

Concen: 9.37 ppbv

RT: 3.22 min Scan# 663

Delta R.T. 0.00 min

Lab File: VL032309.D

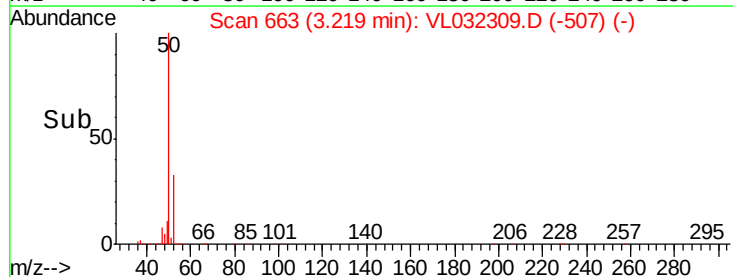
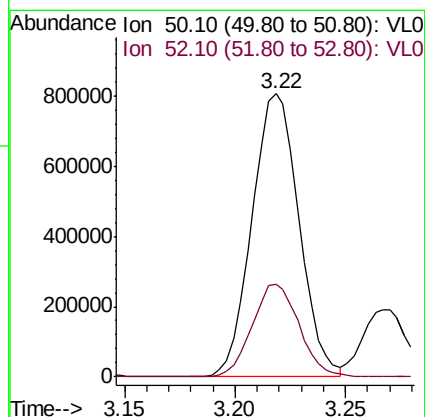
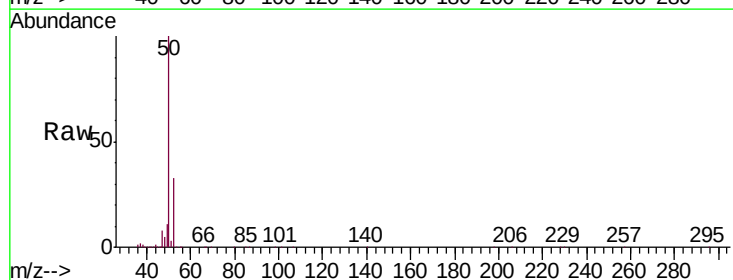
Acq: 27 Jul 2018 00:36

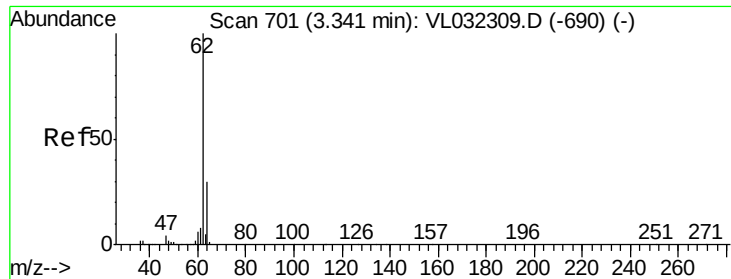
Tgt Ion: 50 Resp: 1192497

Ion Ratio Lower Upper

50 100

52 32.8 26.2 39.4





#5

Vinyl Chloride

Concen: 9.22 ppbv

RT: 3.34 min Scan# 701

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 1110712

Ion Ratio Lower Upper

62 100

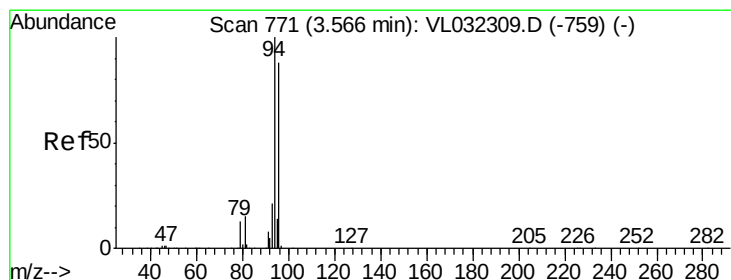
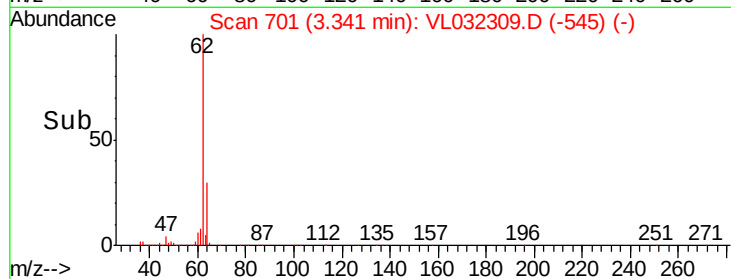
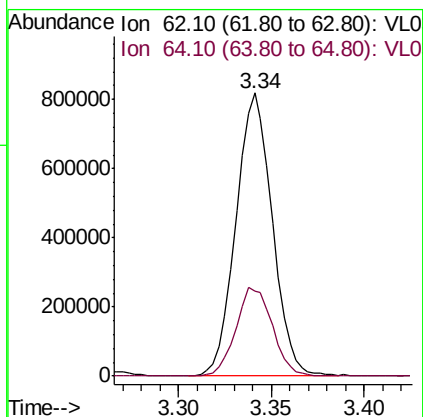
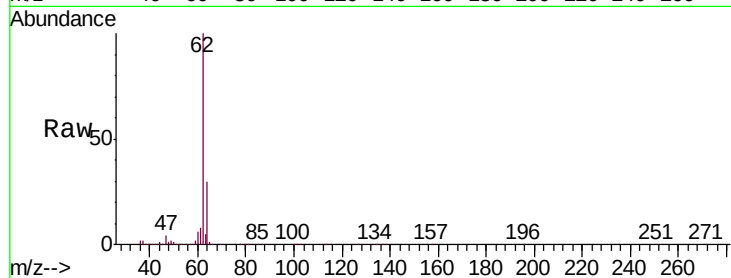
64 30.1 24.1 36.1

Manual Integrations

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#6

Bromomethane

Concen: 9.01 ppbv

RT: 3.57 min Scan# 771

Delta R.T. 0.00 min

Lab File: VL032309.D

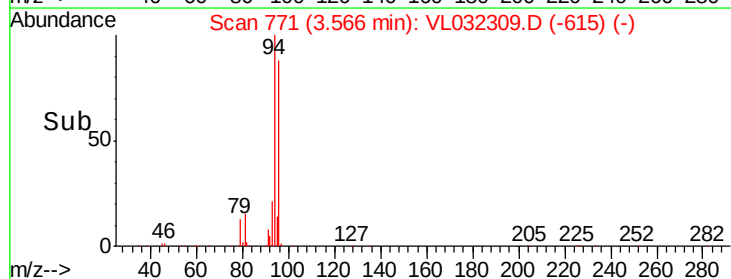
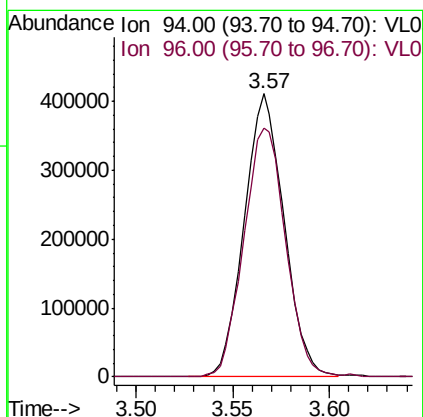
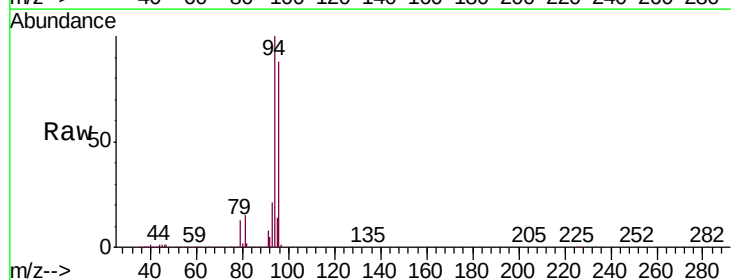
Acq: 27 Jul 2018 00:36

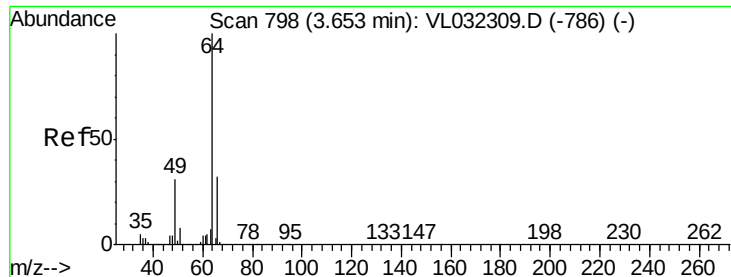
Tgt Ion: 94 Resp: 587856

Ion Ratio Lower Upper

94 100

96 87.8 70.2 105.4





#7

Chloroethane

Concen: 9.05 ppbv

RT: 3.65 min Scan# 798

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 384788

Ion Ratio Lower Upper

64 100

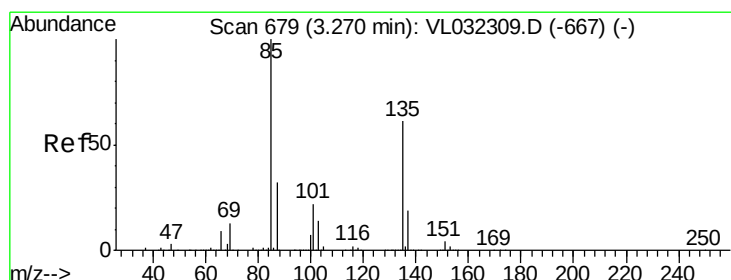
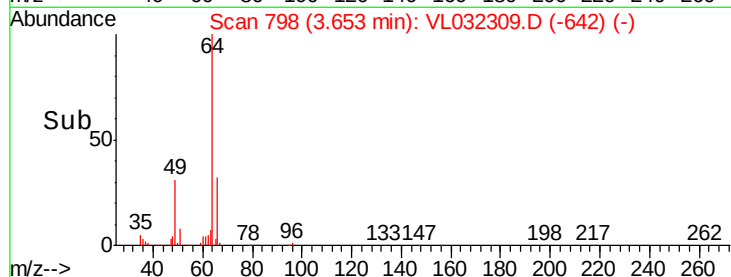
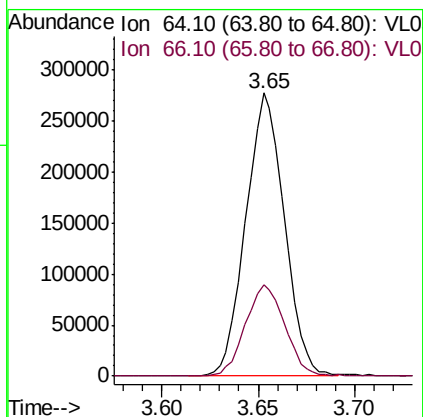
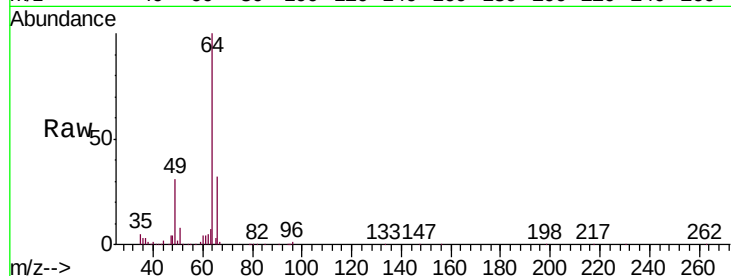
66 32.1 25.7 38.5

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 8.49 ppbv

RT: 3.27 min Scan# 679

Delta R.T. 0.00 min

Lab File: VL032309.D

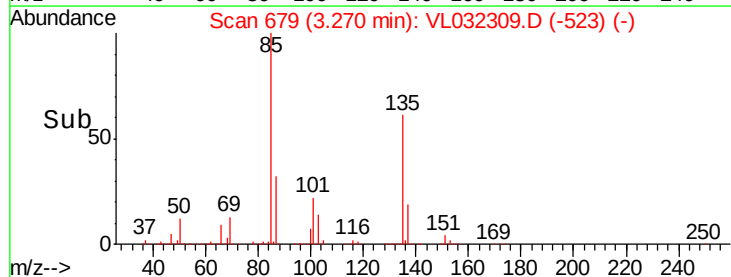
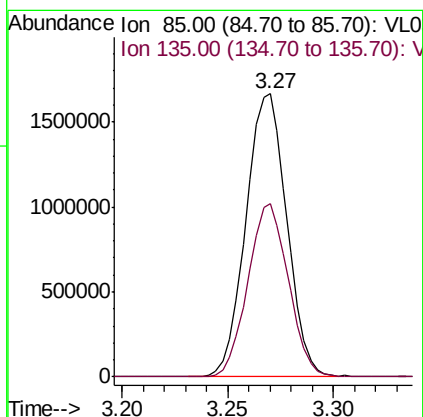
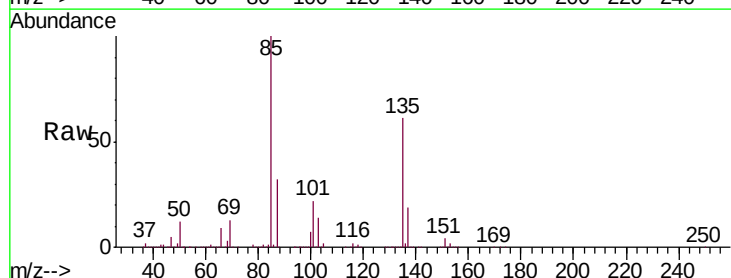
Acq: 27 Jul 2018 00:36

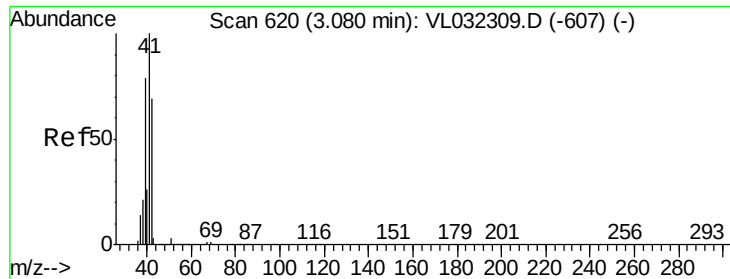
Tgt Ion: 85 Resp: 2242900

Ion Ratio Lower Upper

85 100

135 60.9 48.7 73.1





#9

Propene

Concen: 9.87 ppbv

RT: 3.08 min Scan# 620

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 930777

Ion Ratio Lower Upper

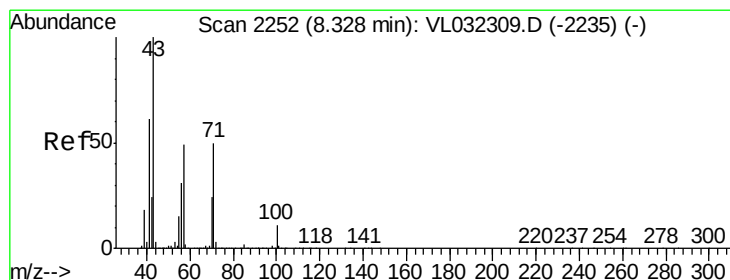
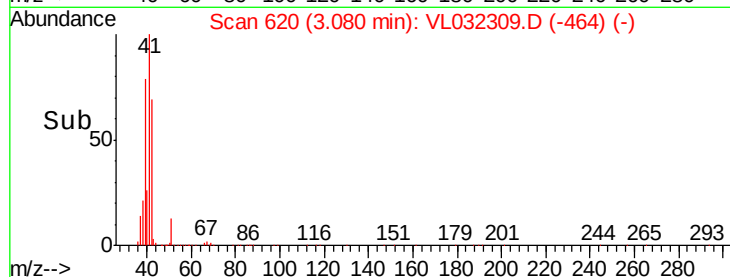
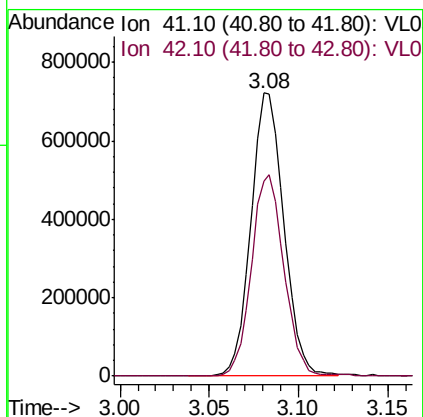
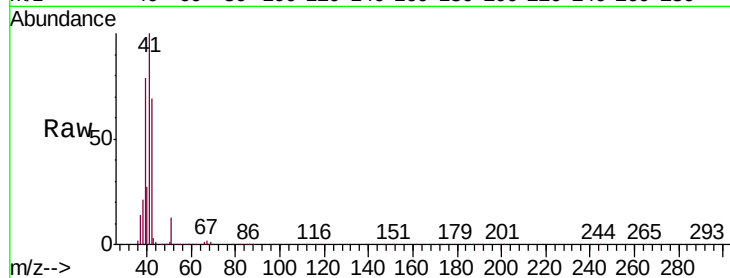
41 100

42 71.0 56.8 85.2

Manual Integrations
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#10

Heptane

Concen: 11.02 ppbv

RT: 8.33 min Scan# 2252

Delta R.T. 0.00 min

Lab File: VL032309.D

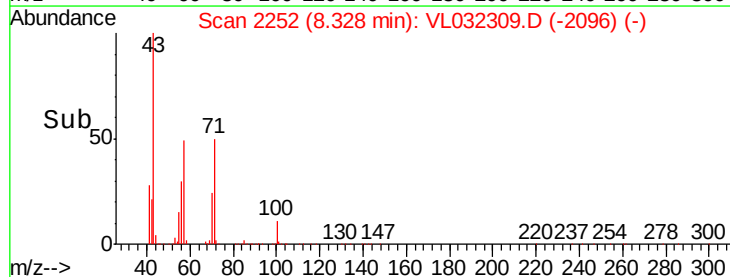
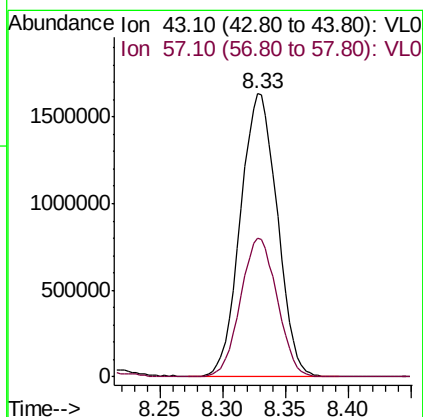
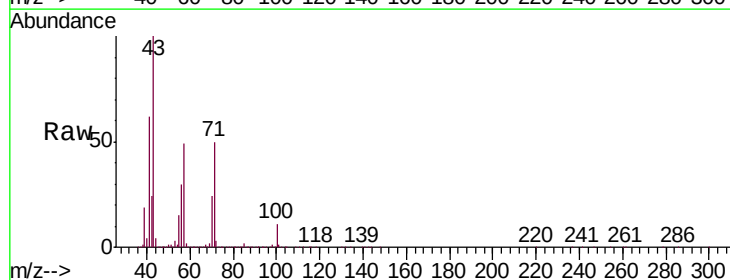
Acq: 27 Jul 2018 00:36

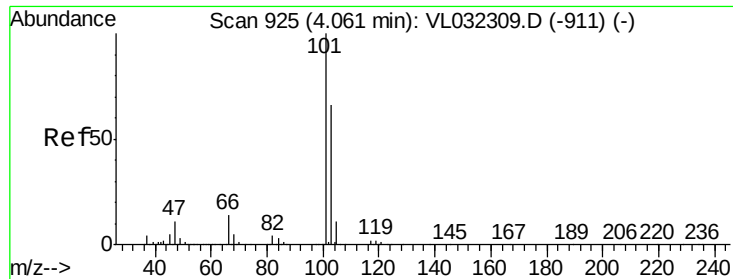
Tgt Ion: 43 Resp: 3329025

Ion Ratio Lower Upper

43 100

57 48.7 39.0 58.4





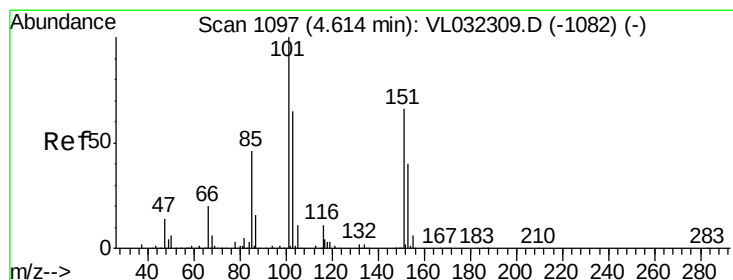
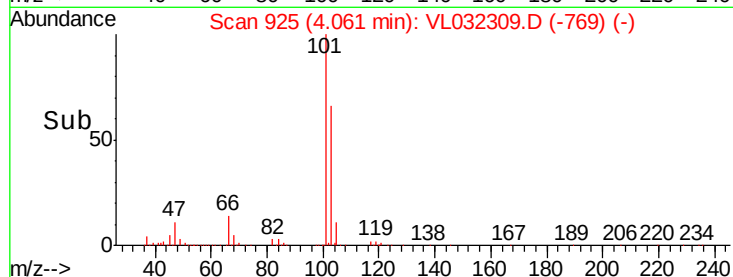
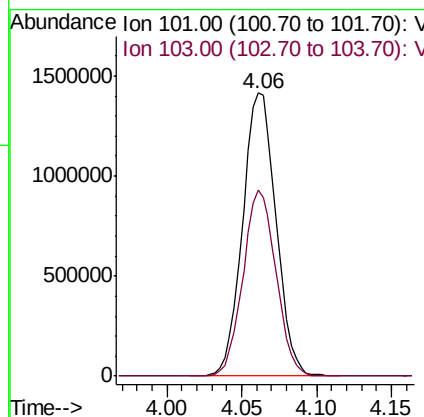
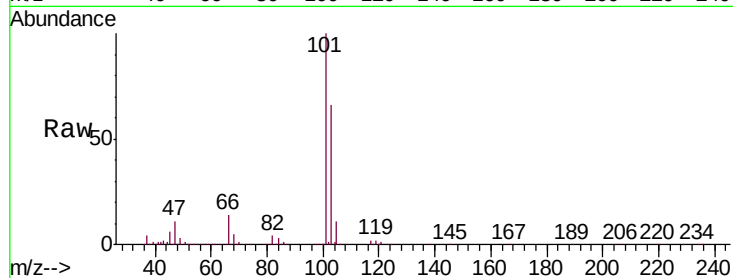
#11
 Trichlorofluoromethane
 Concen: 8.70 ppbv
 RT: 4.06 min Scan# 925
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:101 Resp: 2198150
 Ion Ratio Lower Upper
 101 100
 103 65.7 52.6 78.8

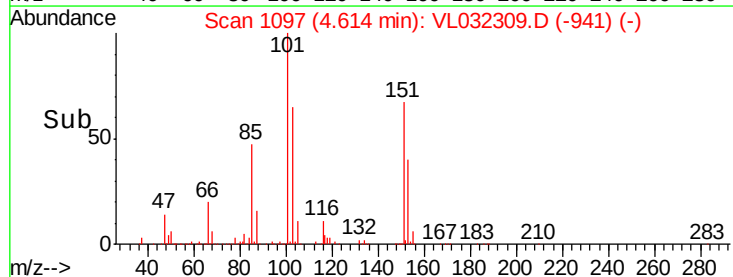
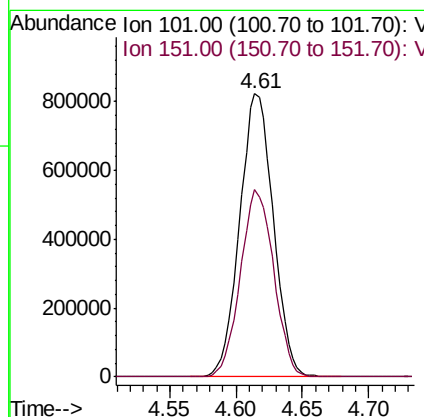
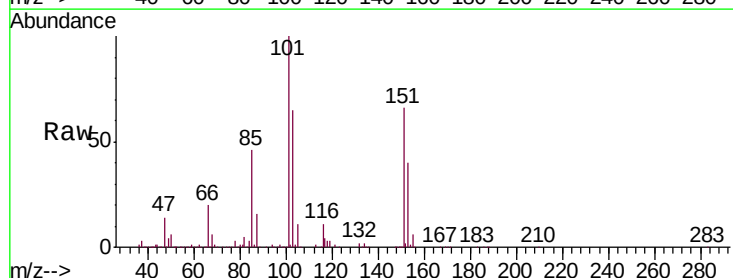
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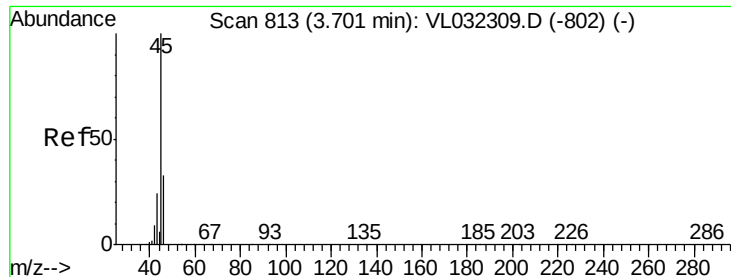
MMDadoda
 7/30/2018 11:42:55 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.92 ppbv
 RT: 4.61 min Scan# 1097
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Tgt Ion:101 Resp: 1454048
 Ion Ratio Lower Upper
 101 100
 151 65.5 52.4 78.6





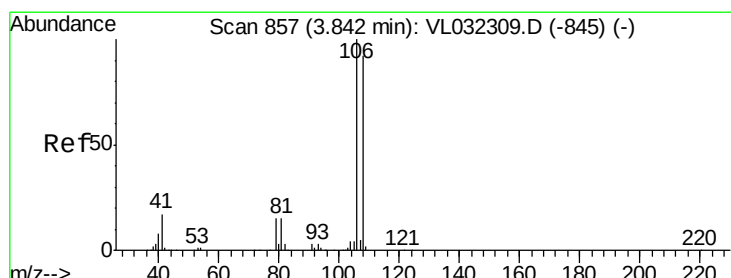
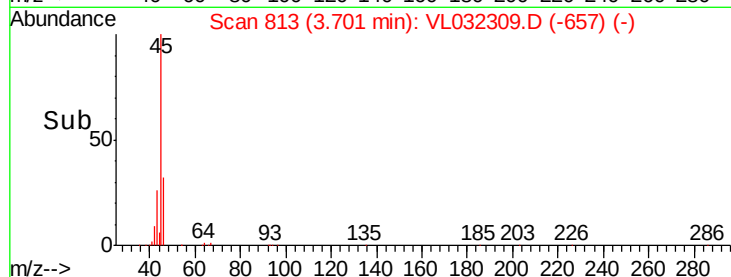
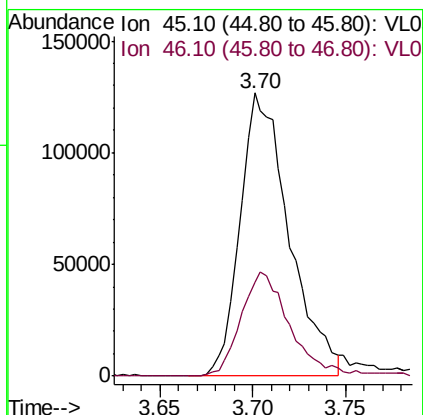
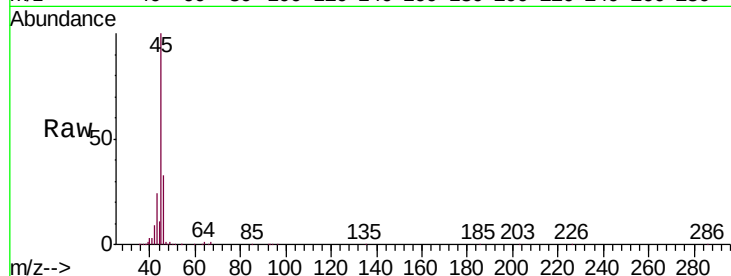
#13
Ethanol
Concen: 8.60 ppbv
RT: 3.70 min Scan# 813
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampled :
VSTDICCC010

Tot Ion: 45 Resp: 233107
Ion Ratio Lower Upper
45 100
46 37.8 15.2 60.6

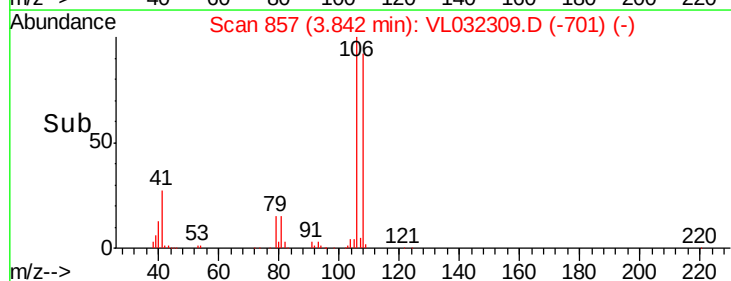
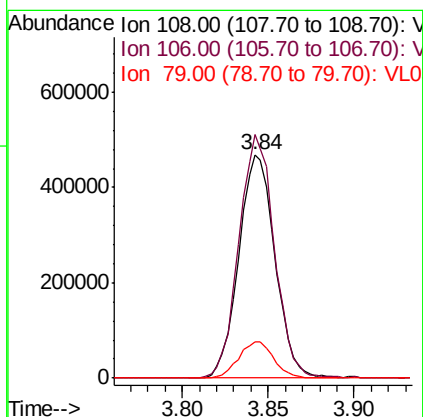
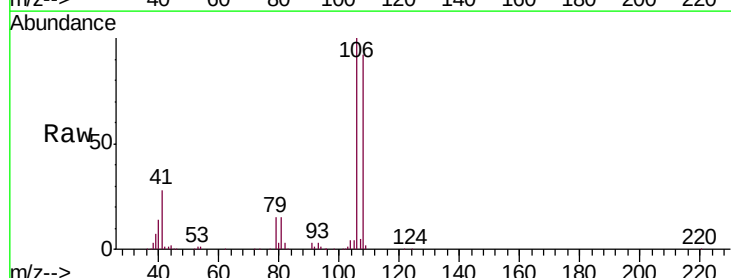
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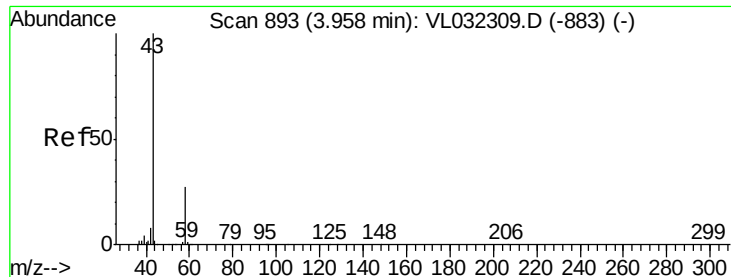
MMDadoda
7/30/2018 11:42:55 AM



#14
Bromoethene
Concen: 9.36 ppbv
RT: 3.84 min Scan# 857
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion: 108 Resp: 686715
Ion Ratio Lower Upper
108 100
106 107.5 86.0 129.0
79 15.9 12.8 19.2





#15

Acetone

Concen: 8.56 ppbv

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 1700845

Ion Ratio Lower Upper

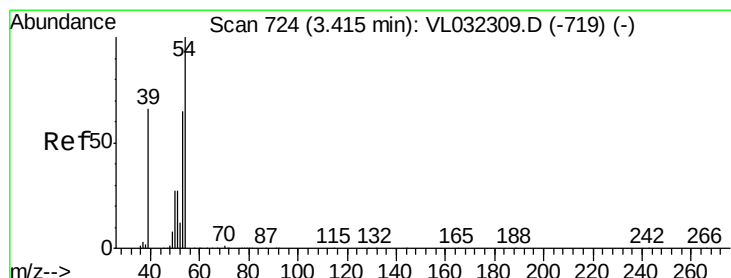
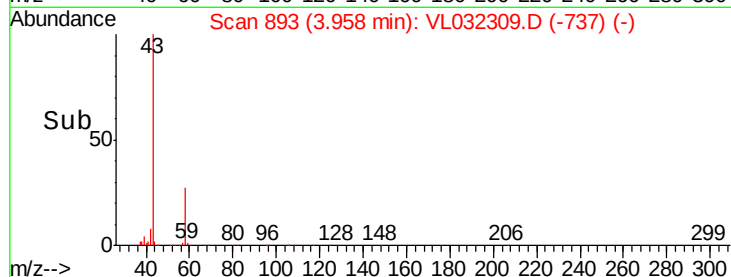
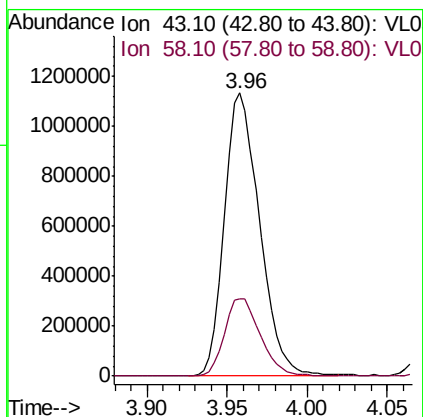
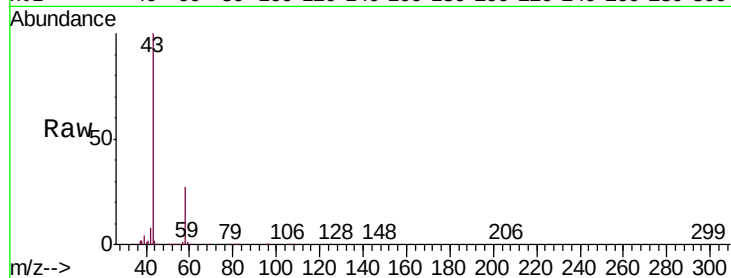
43 100

58 28.1 22.5 33.7

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#16

1,3-Butadiene

Concen: 9.30 ppbv

RT: 3.41 min Scan# 724

Delta R.T. 0.00 min

Lab File: VL032309.D

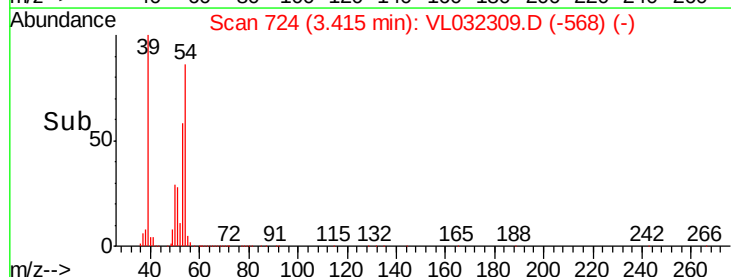
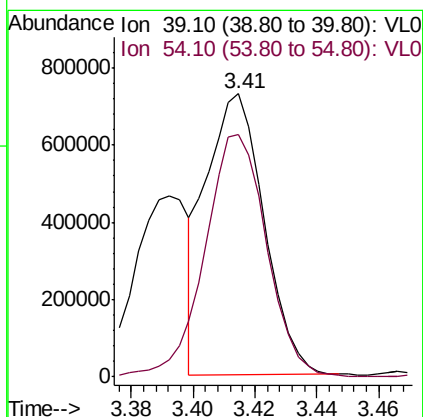
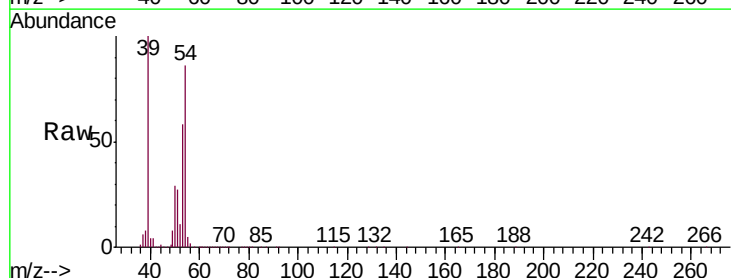
Acq: 27 Jul 2018 00:36

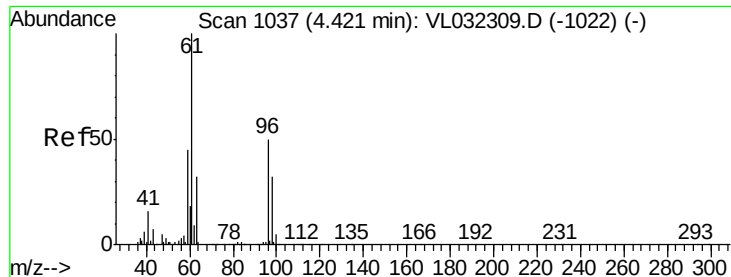
Tgt Ion: 39 Resp: 945284

Ion Ratio Lower Upper

39 100

54 92.8 74.3 111.5





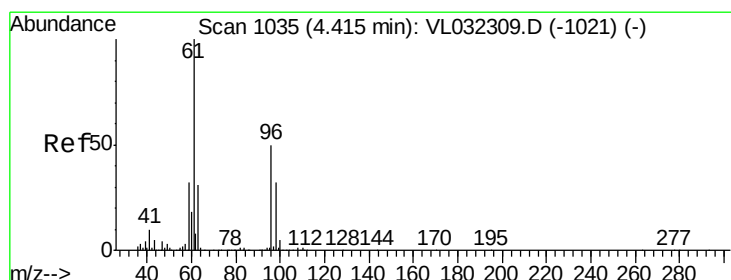
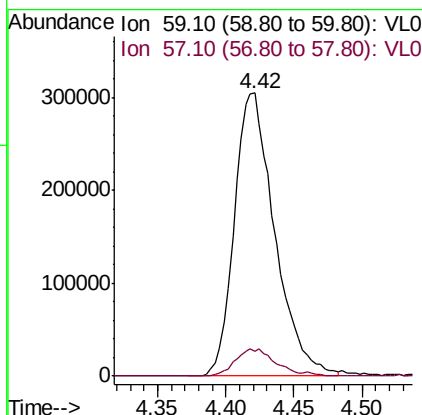
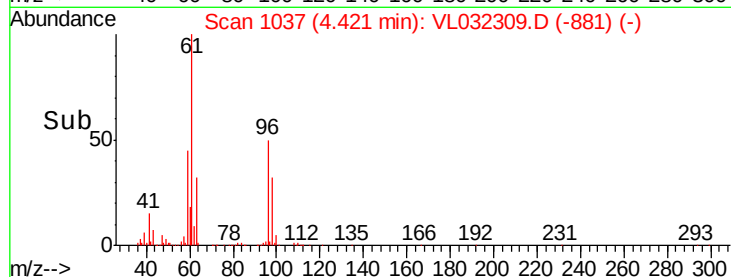
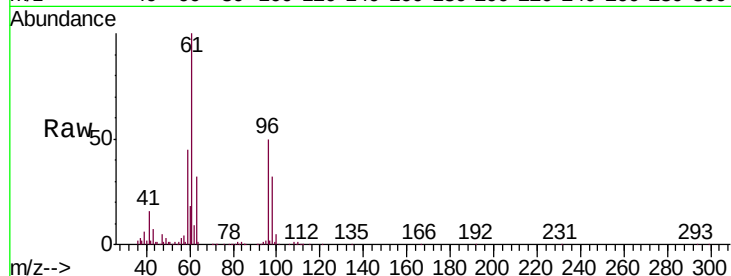
#17
 tert-Butyl alcohol
 Concen: 9.78 ppbv
 RT: 4.42 min Scan# 1037
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.0	8.0	12.0

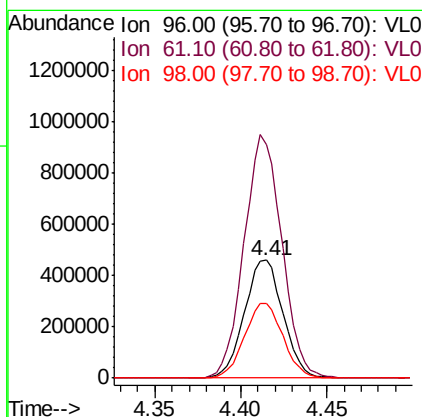
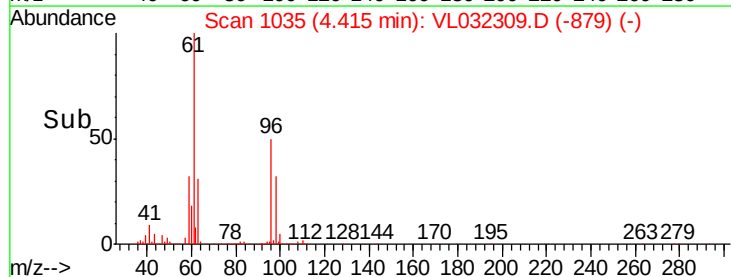
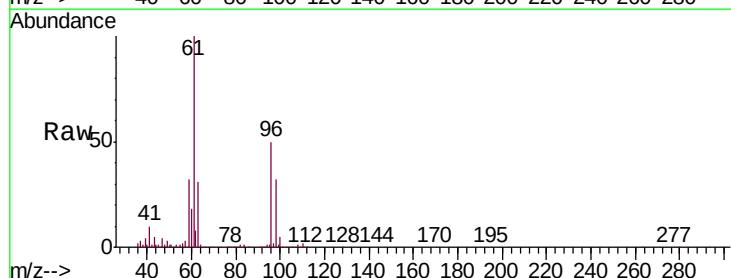
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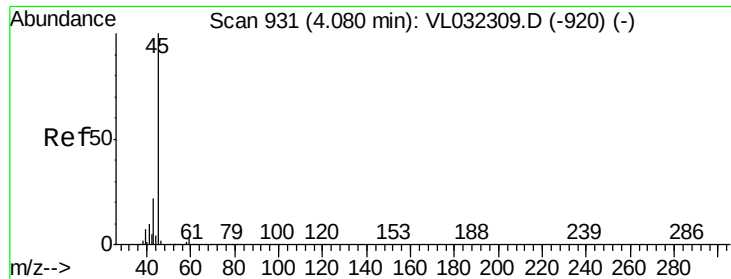
MMDadoda
 7/30/2018 11:42:55 AM



#18
 1,1-Dichloroethene
 Concen: 9.35 ppbv
 RT: 4.41 min Scan# 1035
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	198.7	159.0	238.4
98	63.9	51.1	76.7





#19

Isopropyl Alcohol

Concen: 9.95 ppbv

RT: 4.08 min Scan# 931

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 1359619

Ion Ratio Lower Upper

45 100

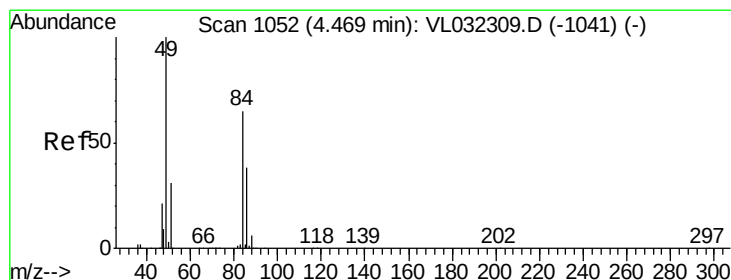
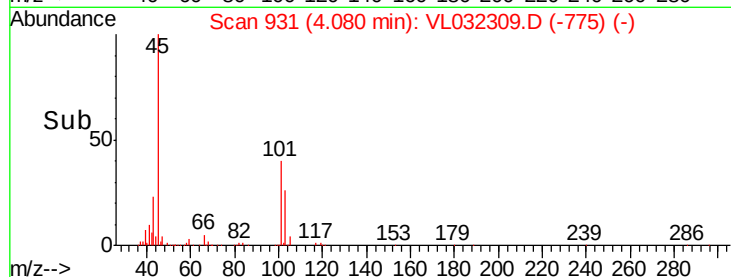
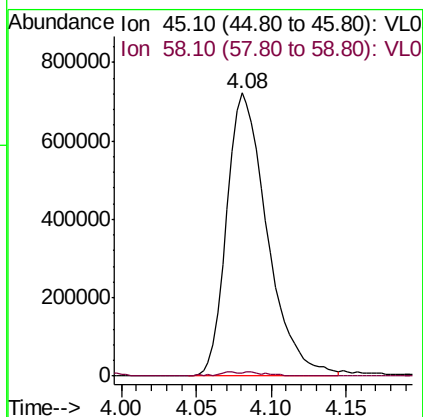
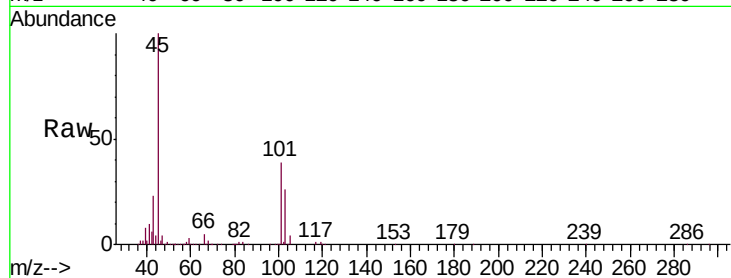
58 2.2 1.5 2.3

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#20

Methylene Chloride

Concen: 8.67 ppbv

RT: 4.47 min Scan# 1052

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Tgt Ion: 84 Resp: 677544

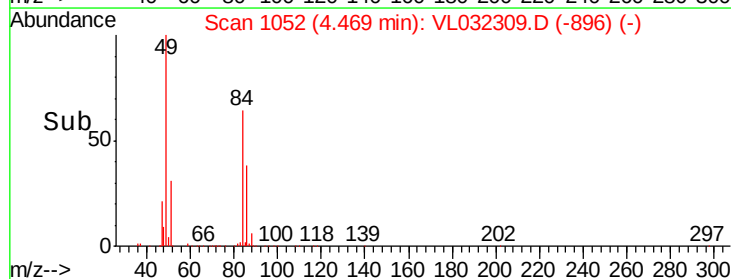
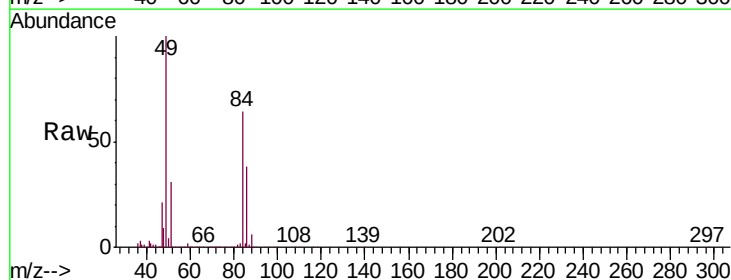
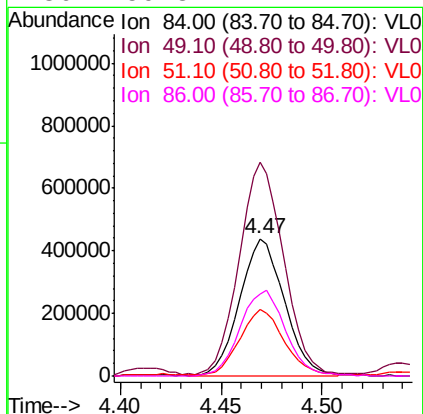
Ion Ratio Lower Upper

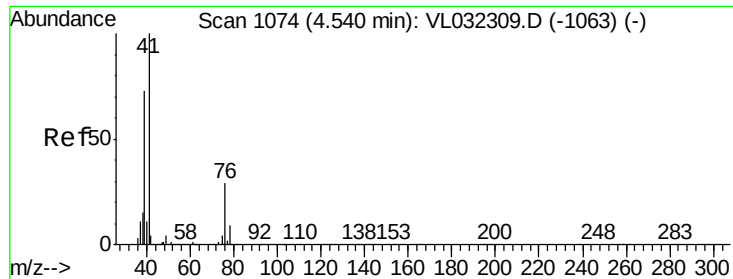
84 100

49 154.2 123.4 185.0

51 47.7 38.2 57.2

86 59.3 47.4 71.2





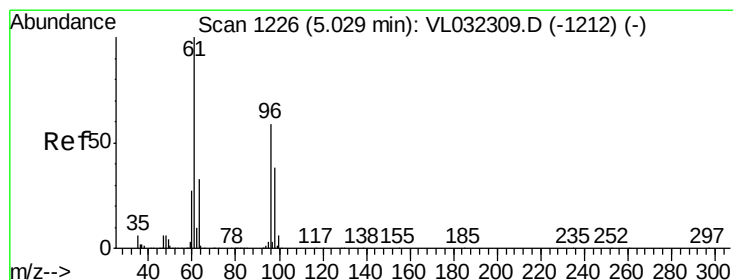
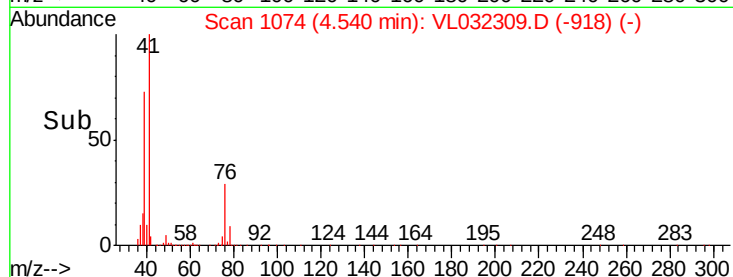
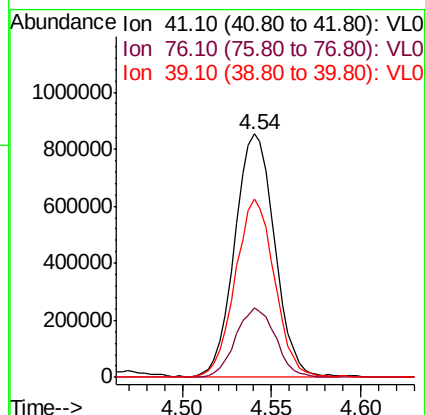
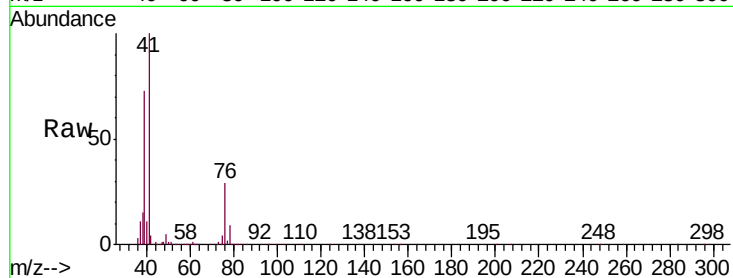
#21
Allvl Chloride
Concen: 9.87 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.8	23.1	34.7
39	72.6	58.2	87.2

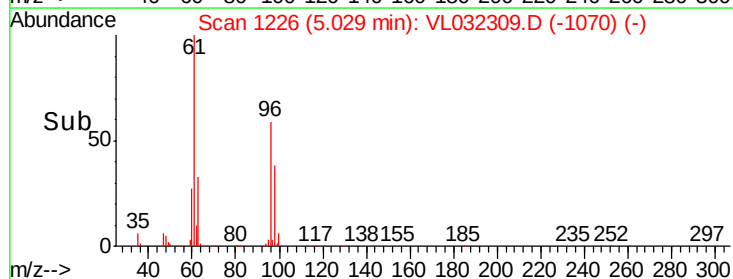
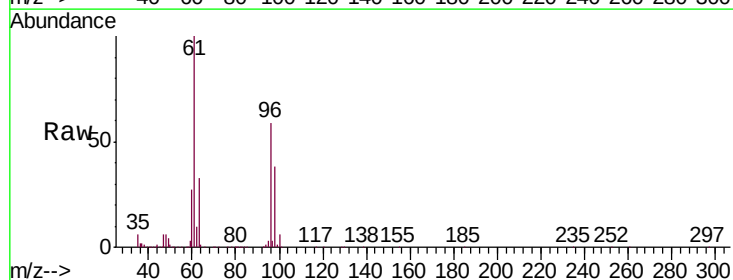
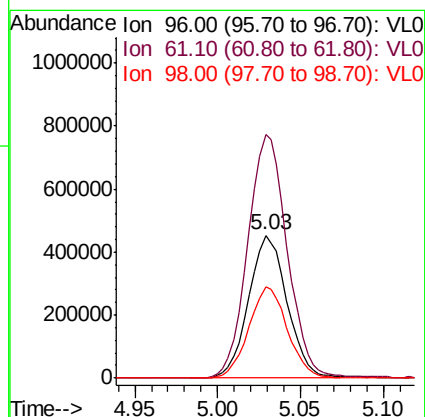
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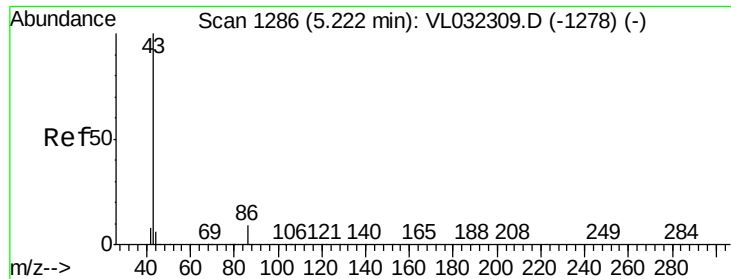
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.29 ppbv
RT: 5.03 min Scan# 1226
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	170.6	136.5	204.7
98	64.1	51.3	76.9





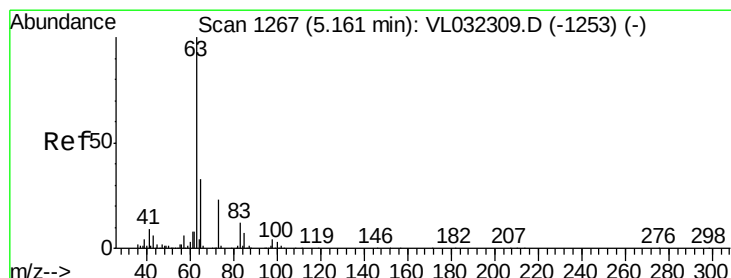
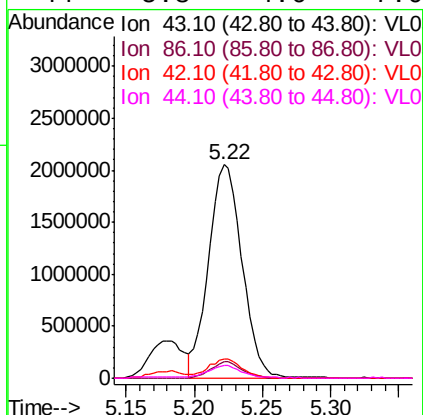
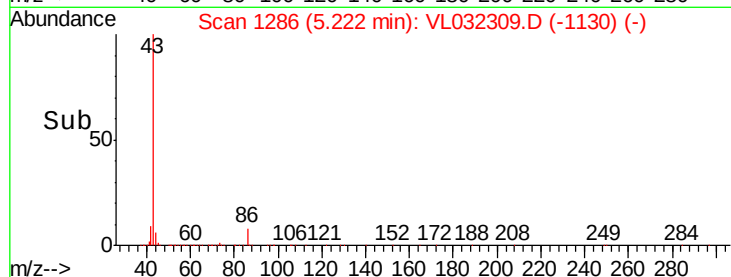
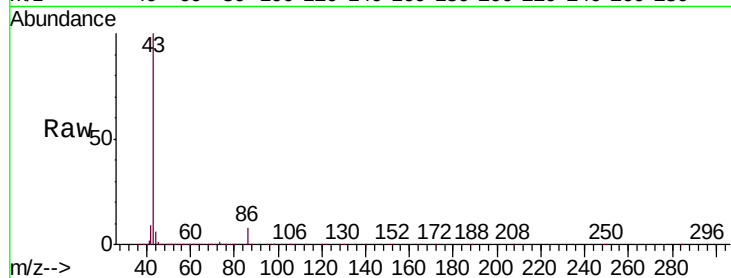
#23
 Vinyl Acetate
 Concen: 9.71 ppbv
 RT: 5.22 min Scan# 1286
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
86	7.9	6.3	9.5	
42	8.7	7.0	10.4	
44	5.8	4.6	7.0	

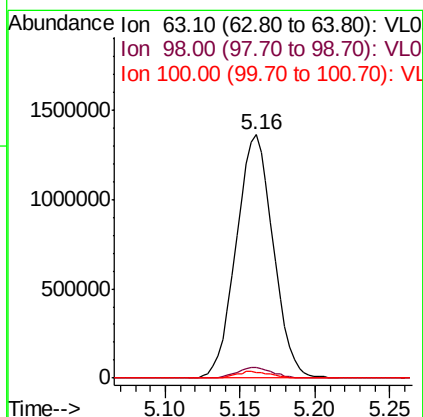
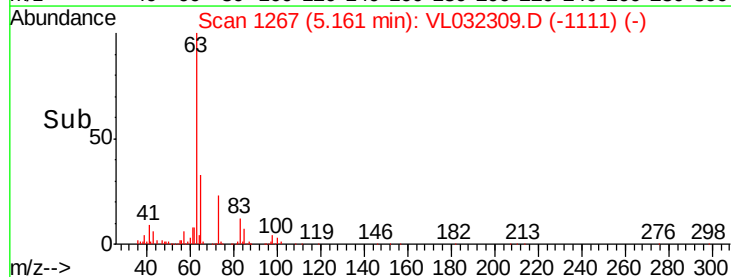
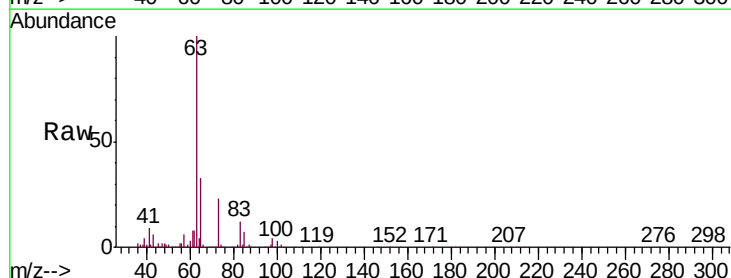
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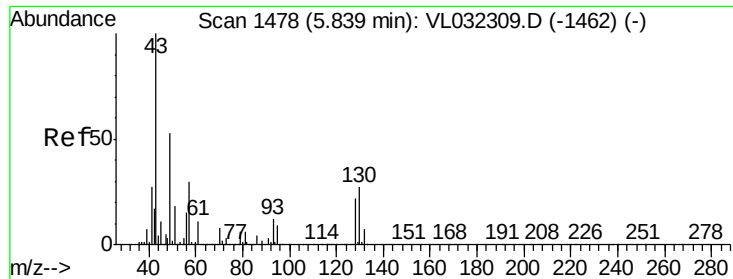
MMDadoda
 7/30/2018 11:42:55 AM



#24
 1,1-Dichloroethane
 Concen: 8.98 ppbv
 RT: 5.16 min Scan# 1267
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Tgt Ion	Ion	Ratio	Lower	Upper
63	100			
98	4.3	2.1	6.5	
100	2.5	1.3	3.8	





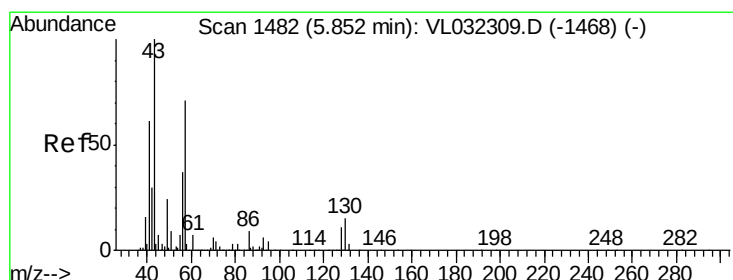
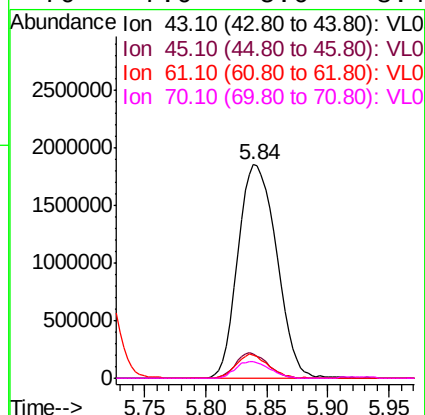
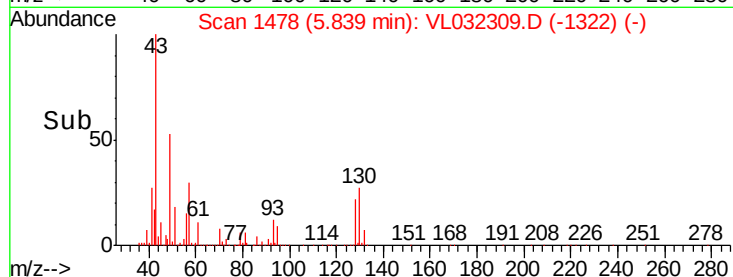
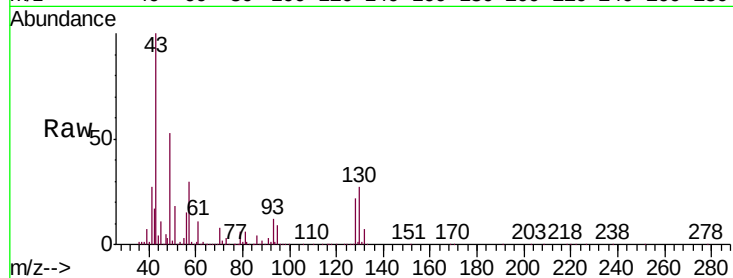
#25
Ethyl Acetate
Concen: 9.25 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.1	8.1	12.1	
61	9.2	7.4	11.0	
70	7.0	5.6	8.4	

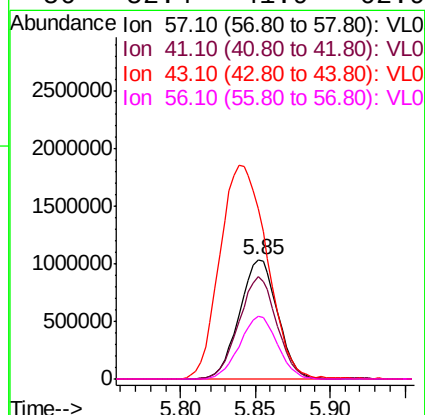
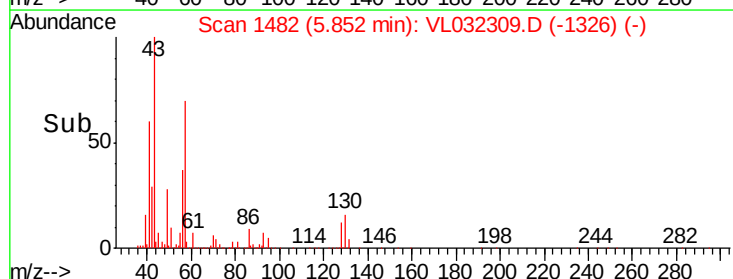
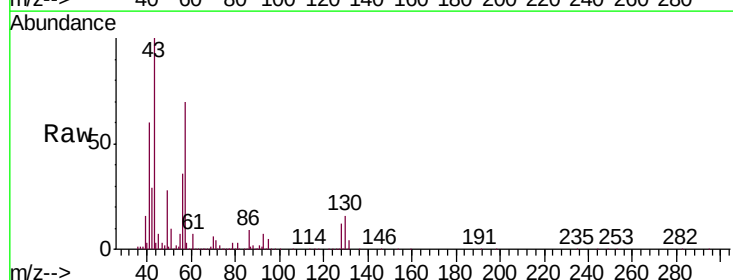
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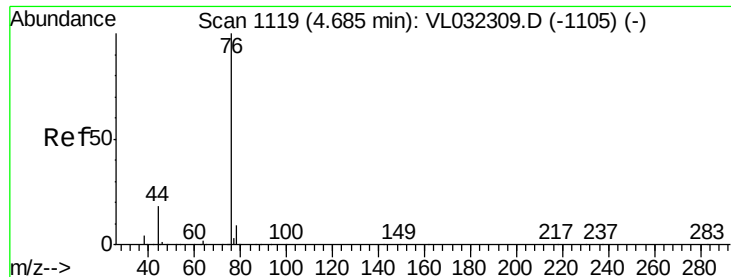
MMDadoda
7/30/2018 11:42:55 AM



#26
Hexane
Concen: 9.13 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	85.1	68.1	102.1	
43	221.7	177.4	266.2	
56	52.4	41.9	62.9	





#27

Carbon Disulfide

Concen: 10.37 ppbv

RT: 4.68 min Scan# 1119

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

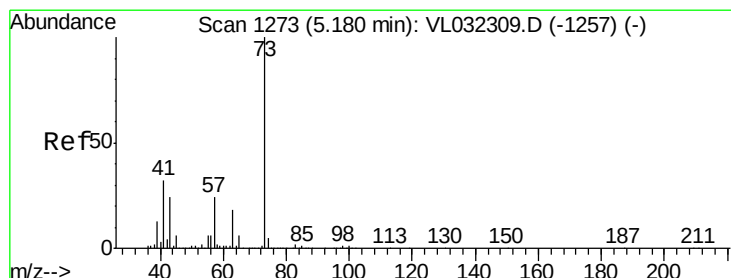
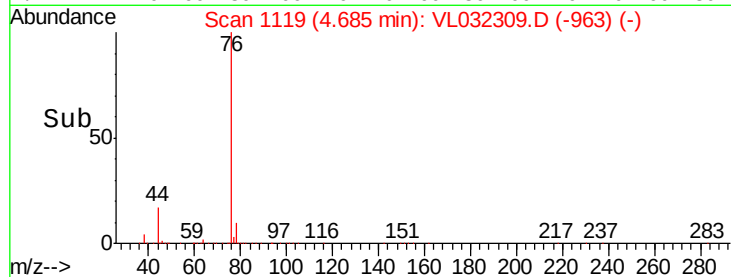
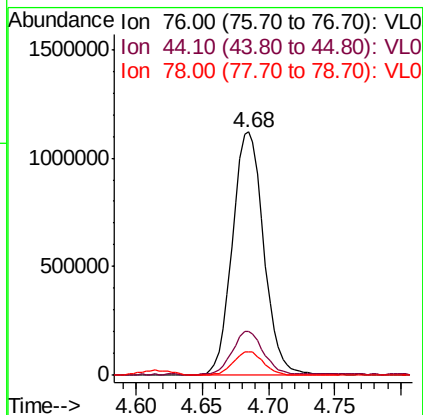
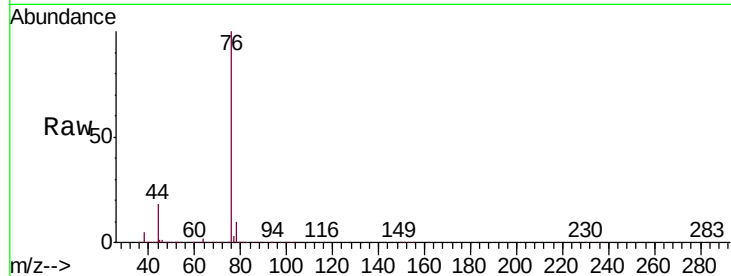
ClientSampleId :

VSTDICCC010

Tot Ion:	76	Resp:	1845831
Ion	Ratio	Lower	Upper
76	100		
44	17.5	14.0	21.0
78	9.3	7.5	11.3

Manual Integrations
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7/30/2018 11:42:55 AM



#28

Methyl tert-Butyl Ether

Concen: 9.27 ppbv

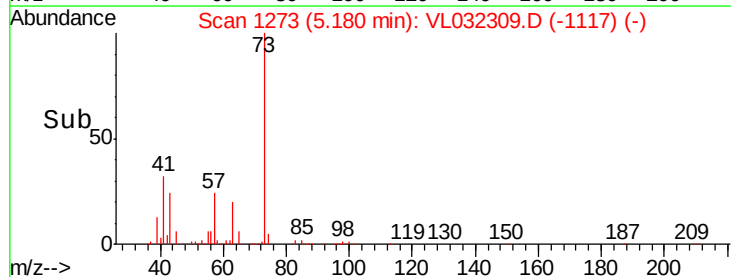
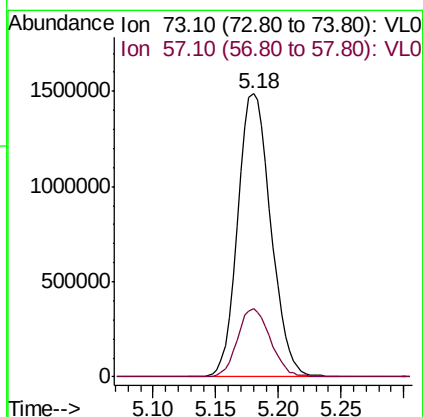
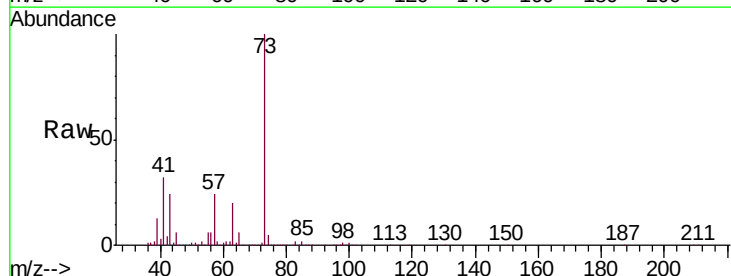
RT: 5.18 min Scan# 1273

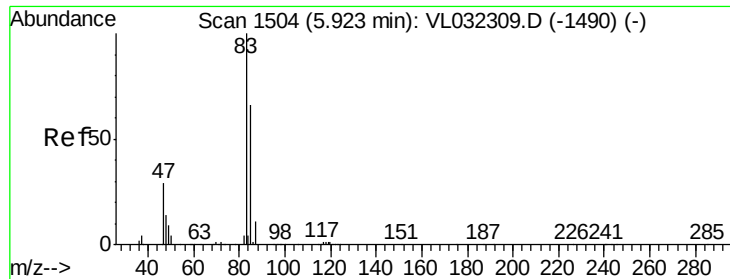
Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Tgt Ion:	73	Resp:	2722903
Ion	Ratio	Lower	Upper
73	100		
57	24.2	19.4	29.0





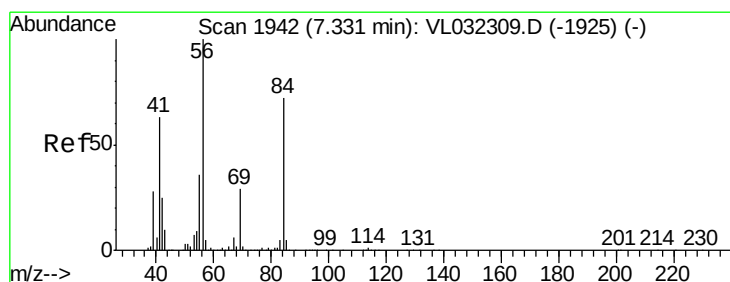
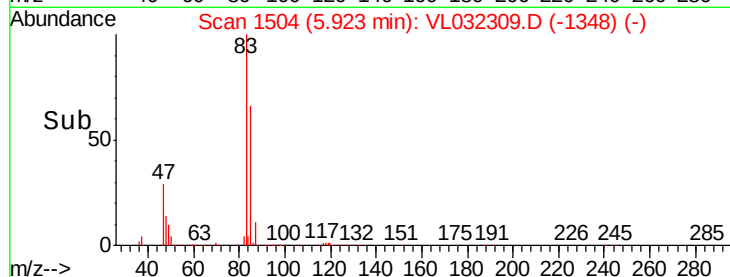
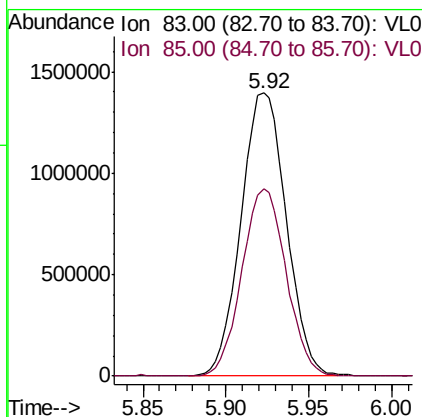
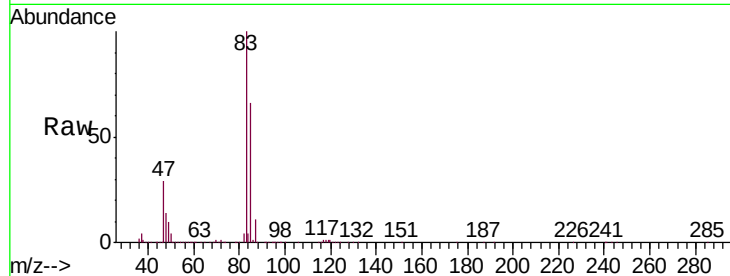
#29
Chloroform
Concen: 9.03 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 2652206
Ion Ratio Lower Upper
83 100
85 66.1 52.9 79.3

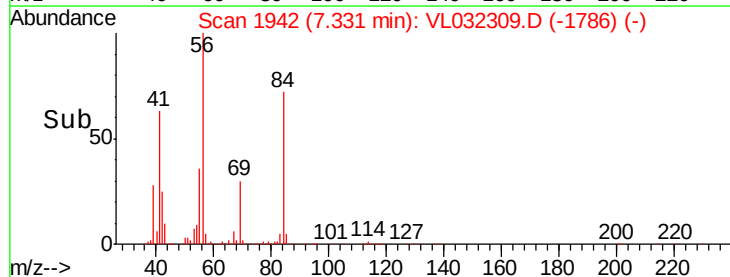
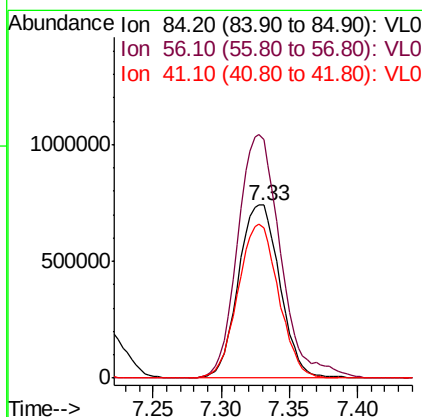
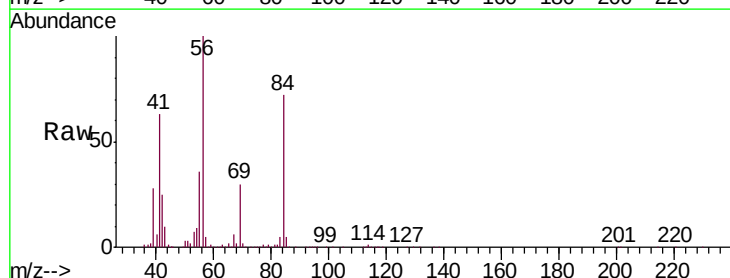
Manual Integrations
APPROVED

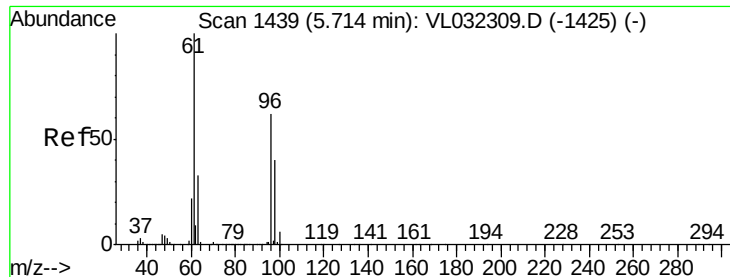
MMDadoda
7/30/2018 11:42:55 AM



#30
Cyclohexane
Concen: 9.34 ppbv
RT: 7.33 min Scan# 1942
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion: 84 Resp: 1560087
Ion Ratio Lower Upper
84 100
56 146.0 116.8 175.2
41 87.5 70.0 105.0





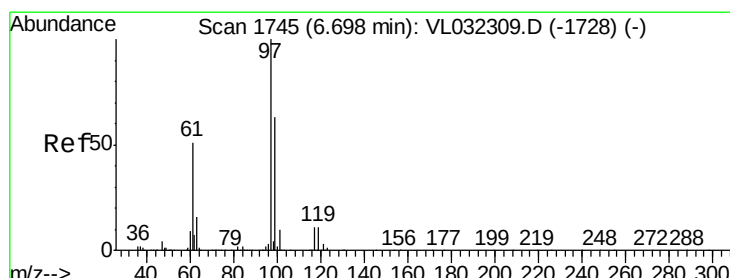
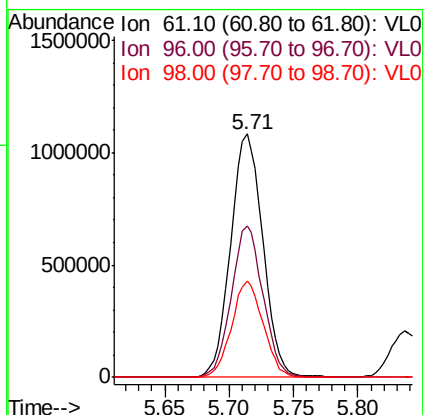
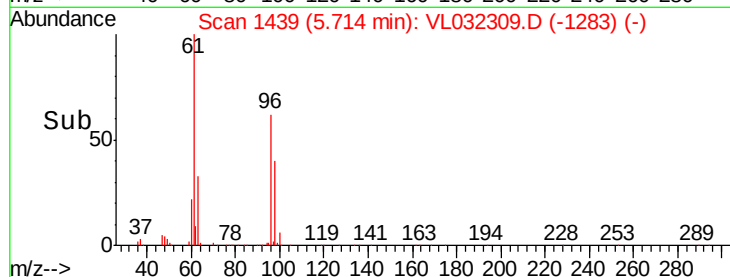
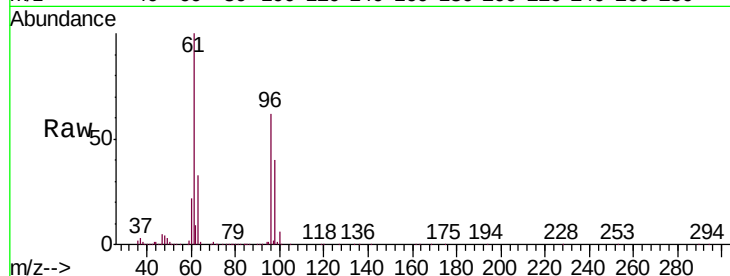
#31
 cis-1,2-Dichloroethene
 Concen: 9.73 ppbv
 RT: 5.71 min Scan# 1439
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.2	49.8	74.6
98	39.7	31.8	47.6

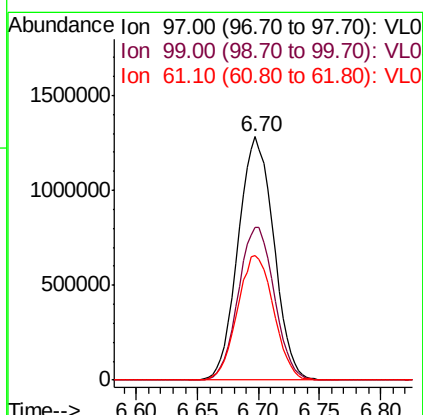
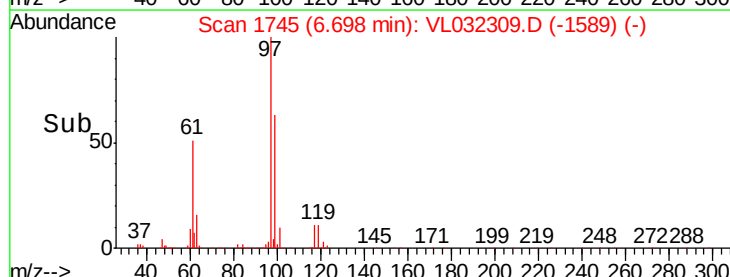
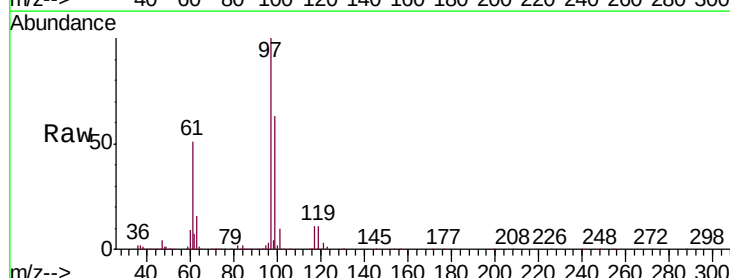
Manual Integrations
 APPROVED

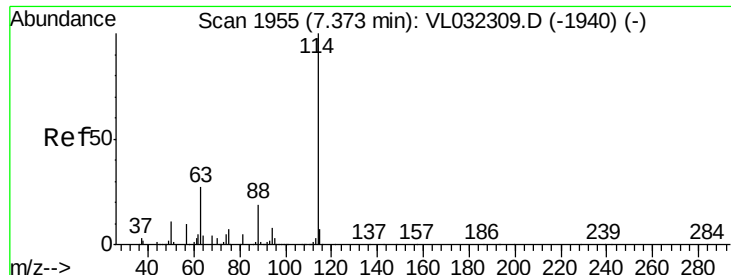
MMDadoda
 7/30/2018 11:42:55 AM



#32
 1,1,1-Trichloroethane
 Concen: 8.71 ppbv
 RT: 6.70 min Scan# 1745
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	50.9	76.3
61	52.2	41.8	62.6





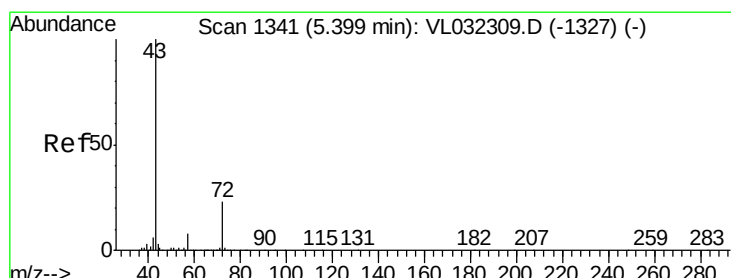
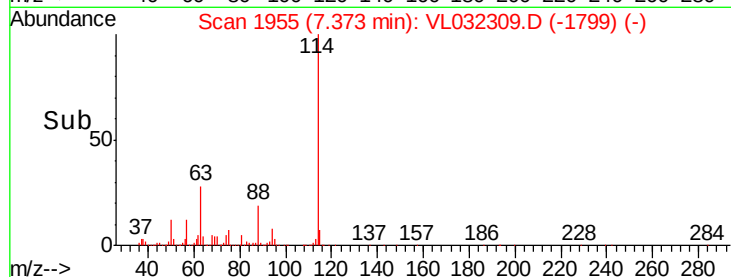
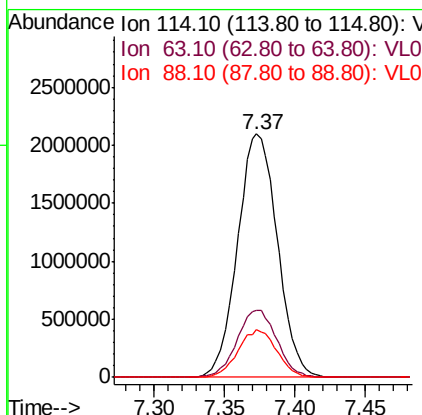
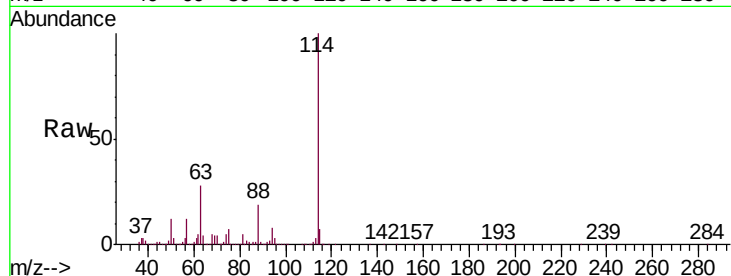
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.37 min Scan# 1955
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.9	22.4	33.6
88	19.1	15.3	22.9

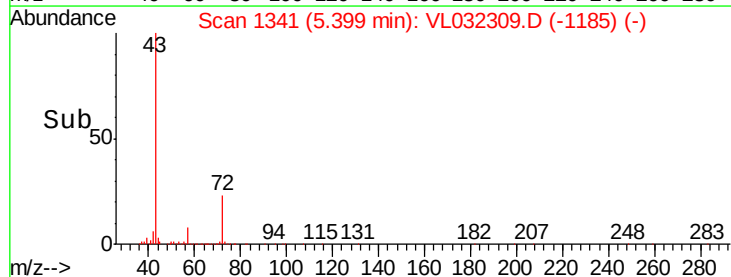
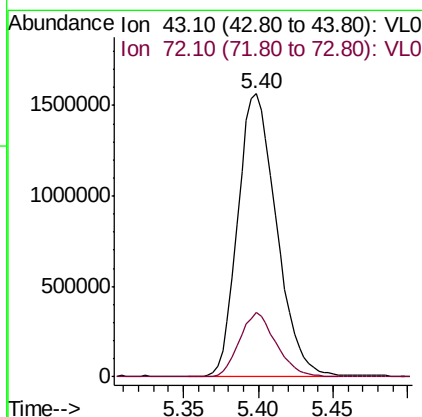
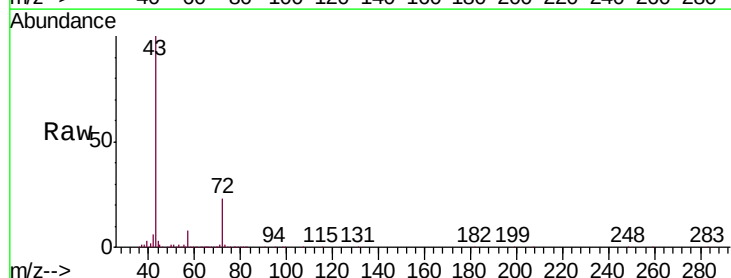
Manual Integrations
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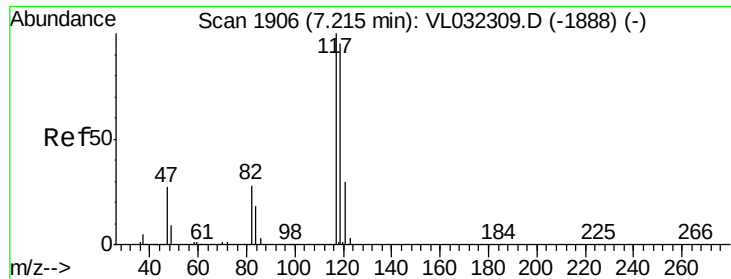
MMDadoda
 7/30/2018 11:42:55 AM



#34
 2-Butanone
 Concen: 9.84 ppbv
 RT: 5.40 min Scan# 1341
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.4	26.2





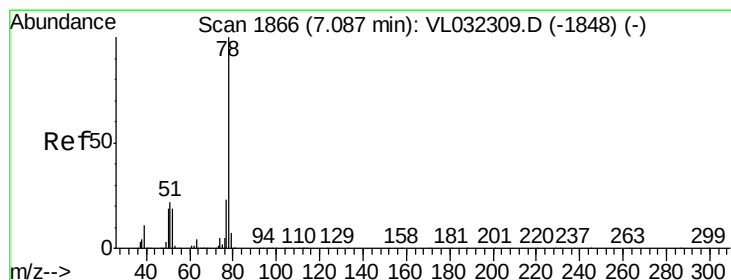
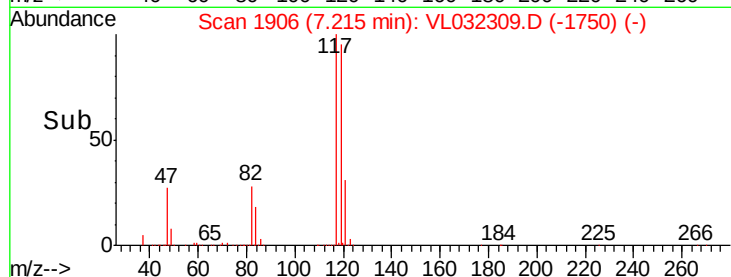
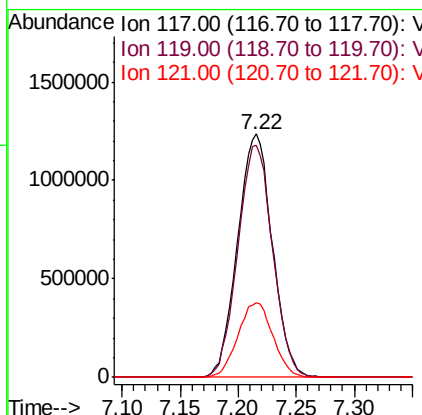
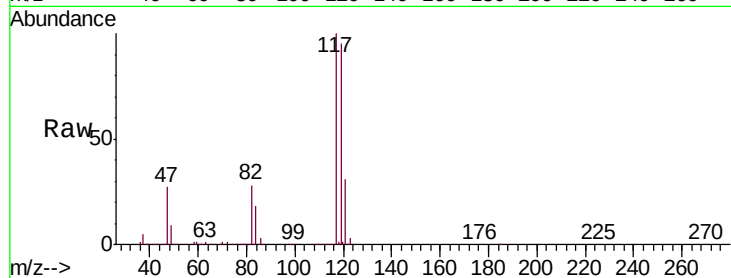
#35
Carbon Tetrachloride
Concen: 9.05 ppbv
RT: 7.22 min Scan# 1906
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	95.1	76.1	114.1
121	30.5	24.4	36.6

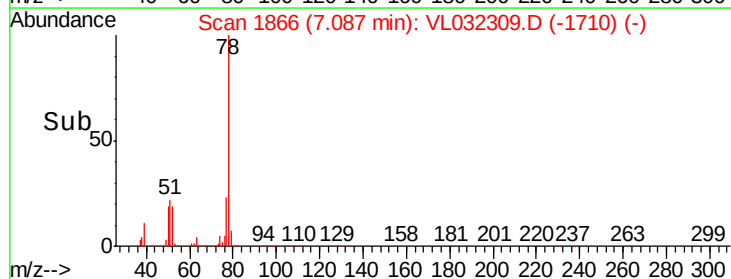
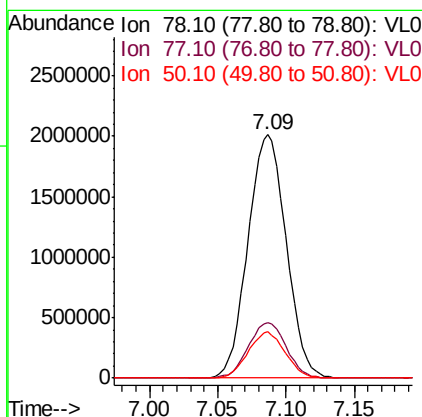
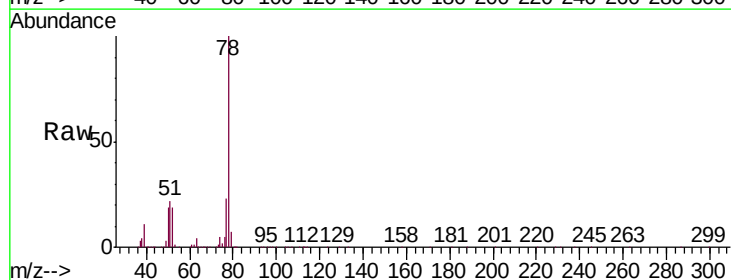
Manual Integrations
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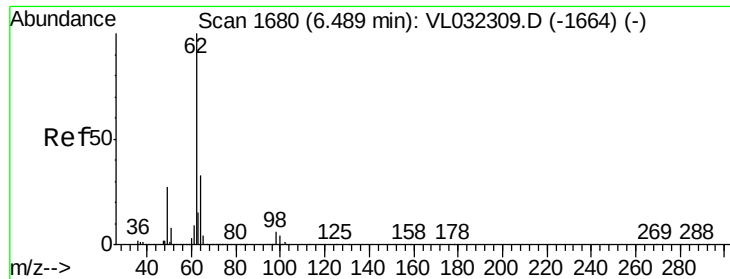
MMDadoda
7/30/2018 11:42:55 AM



#36
Benzene
Concen: 9.58 ppbv
RT: 7.09 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.4	27.6
50	19.1	15.3	22.9





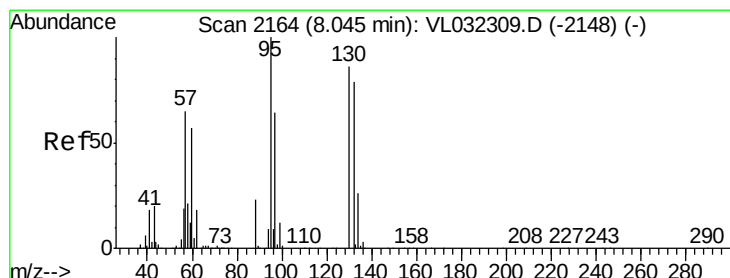
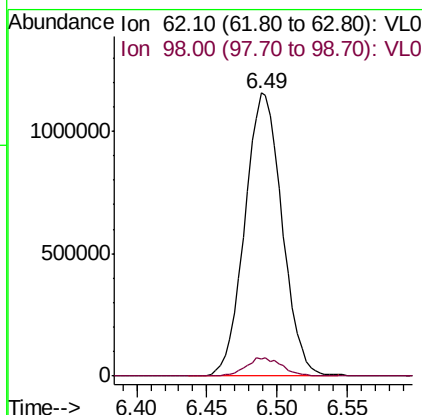
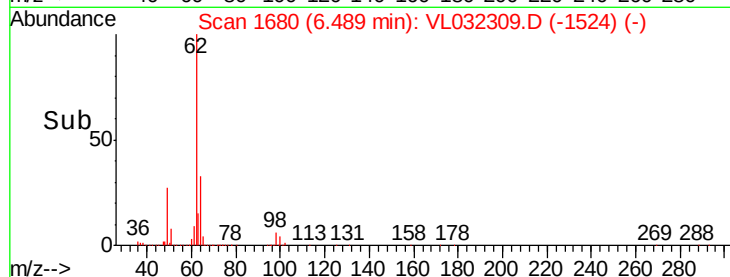
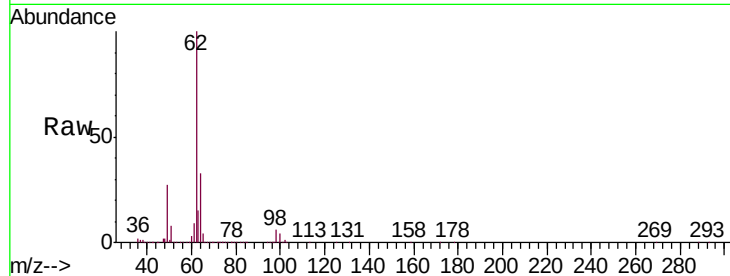
#37
1,2-Dichloroethane
Concen: 8.95 ppbv
RT: 6.49 min Scan# 1680
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.4	5.1	7.7

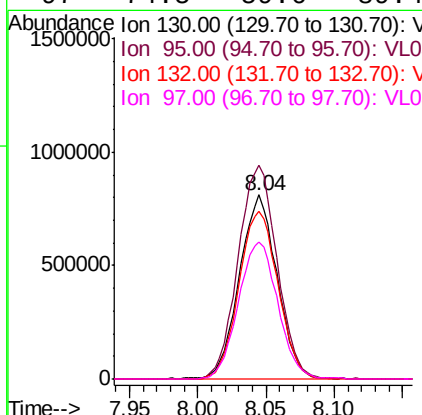
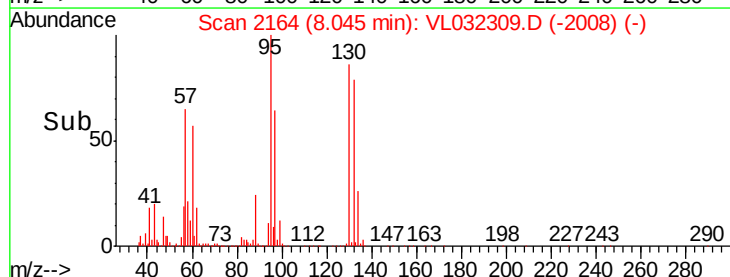
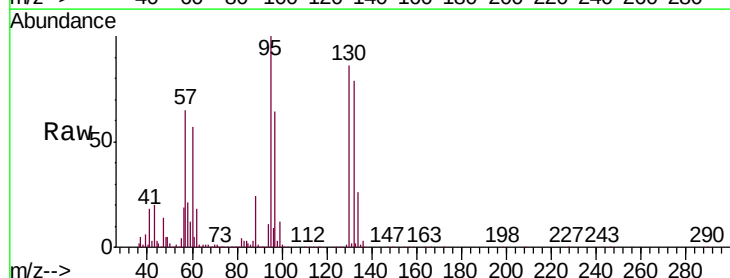
Manual Integrations
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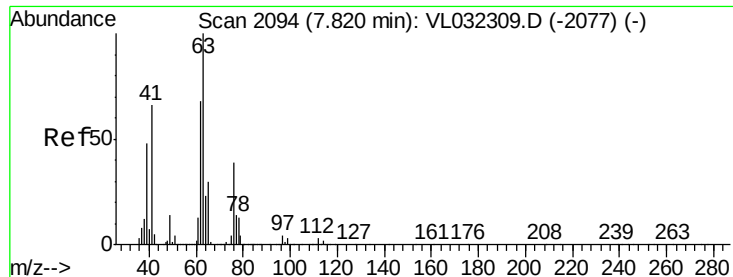
MMDadoda
7/30/2018 11:42:55 AM



#38
Trichloroethene
Concen: 11.18 ppbv
RT: 8.04 min Scan# 2164
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	116.1	92.9	139.3
132	91.2	73.0	109.4
97	74.5	59.6	89.4





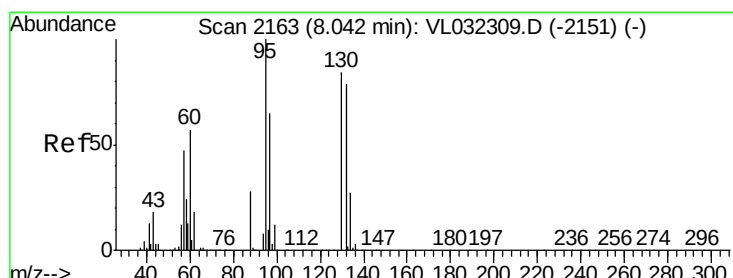
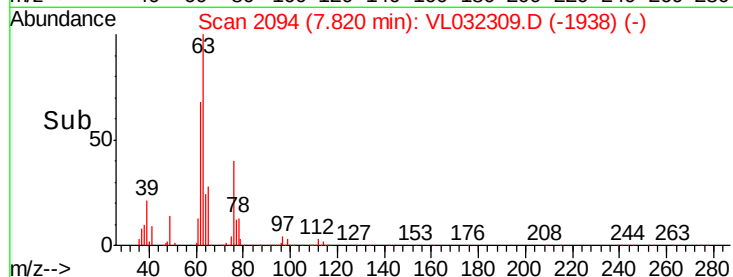
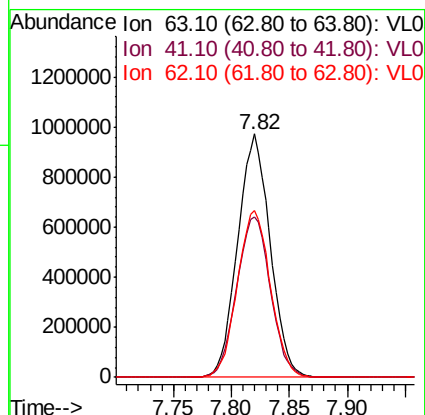
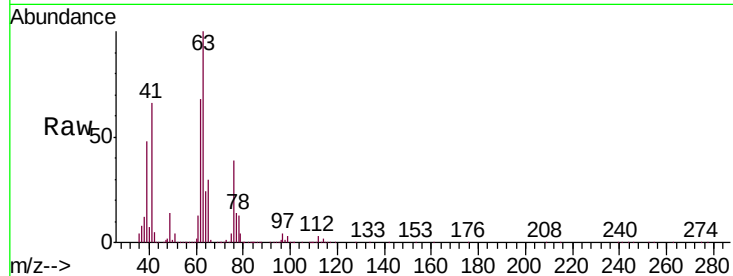
#39
 1,2-Dichloropropane
 Concen: 11.24 ppbv
 RT: 7.82 min Scan# 2094
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	65.6	52.5	78.7
62	68.2	54.6	81.8

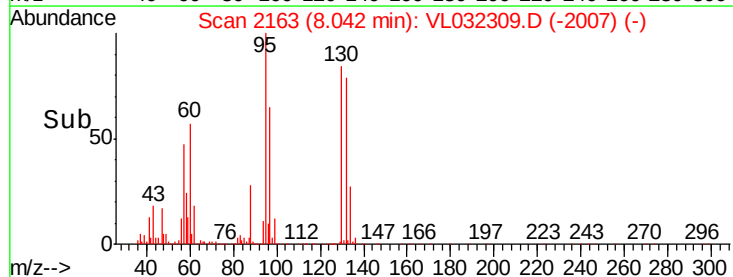
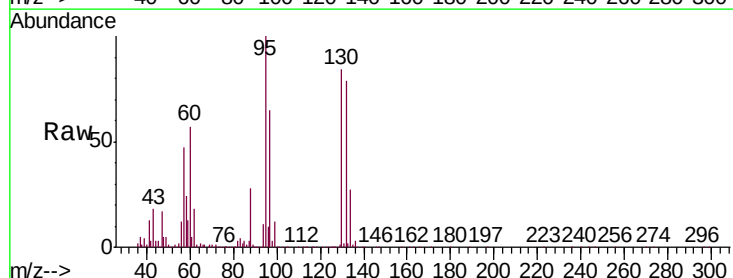
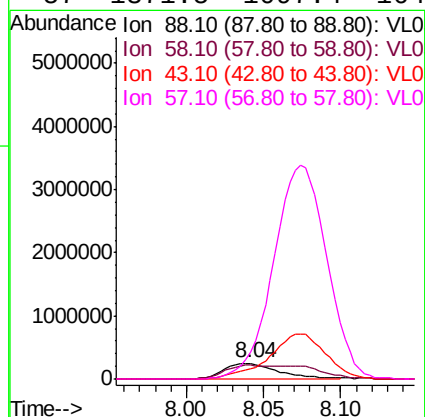
Manual Integrations
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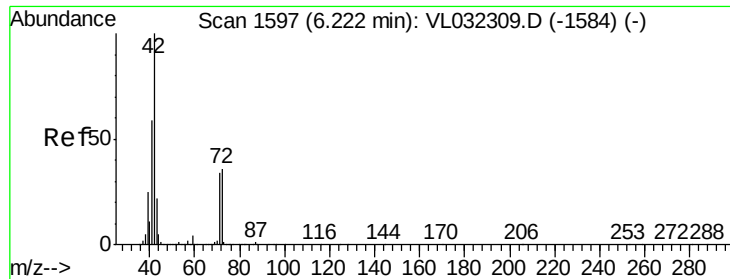
MMDadoda
 7/30/2018 11:42:55 AM



#40
 1,4-Dioxane
 Concen: 11.96 ppbv
 RT: 8.04 min Scan# 2163
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Tgt Ion	Ratio	Lower	Upper
88	100		
58	150.3	120.5	180.7
43	309.1	246.2	369.2
57	1371.5	1097.4	1646.2





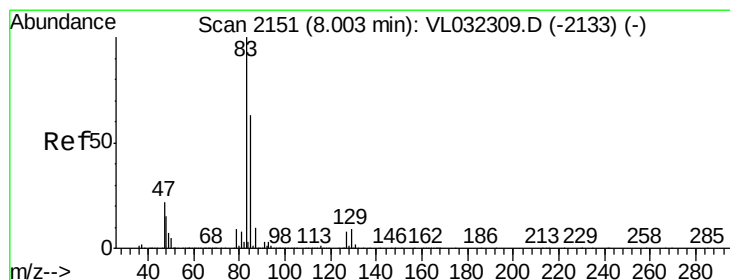
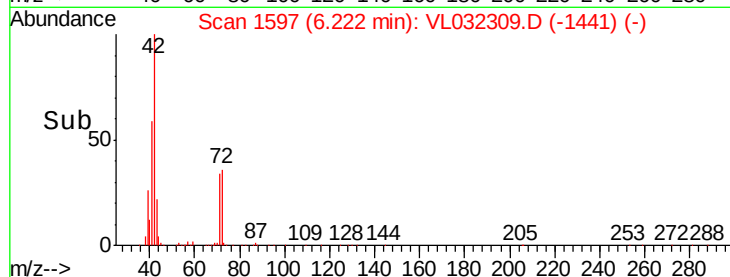
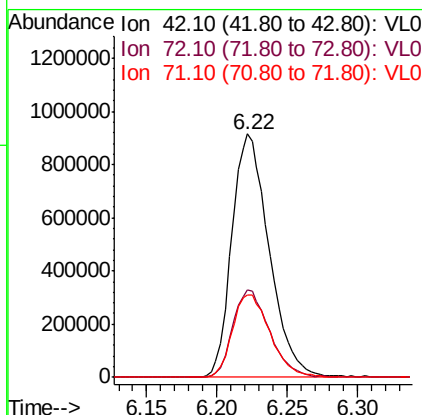
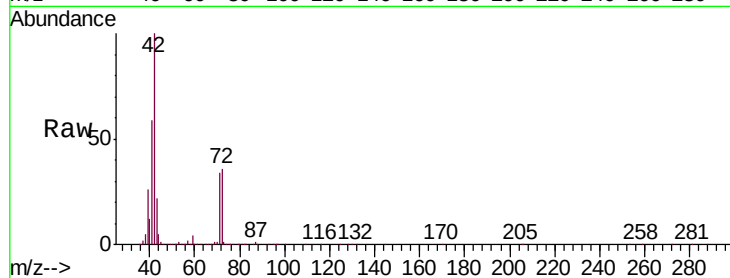
#41
Tetrahydrofuran
Concen: 10.23 ppbv
RT: 6.22 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	35.7	28.6	42.8
71	34.8	27.8	41.6

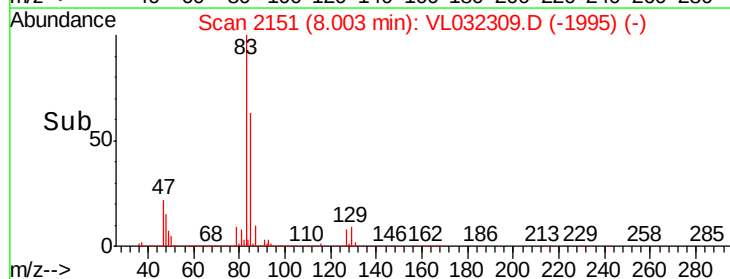
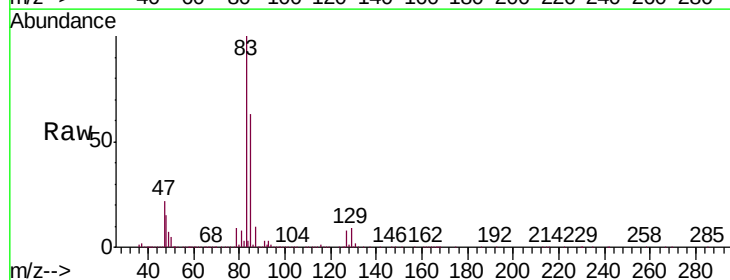
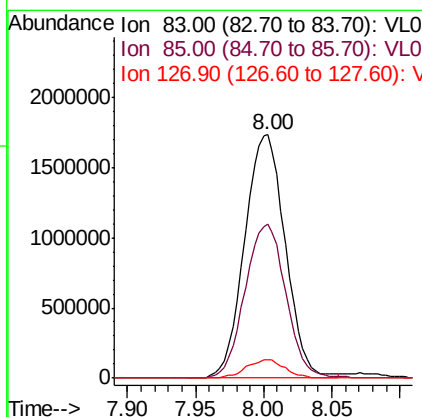
Manual Integrations
APPROVED

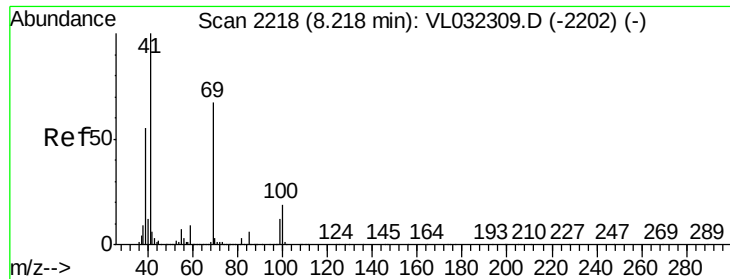
MMDadoda
7/30/2018 11:42:55 AM



#42
Bromodichloromethane
Concen: 11.31 ppbv
RT: 8.00 min Scan# 2151
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.7	76.1
127	7.5	6.0	9.0





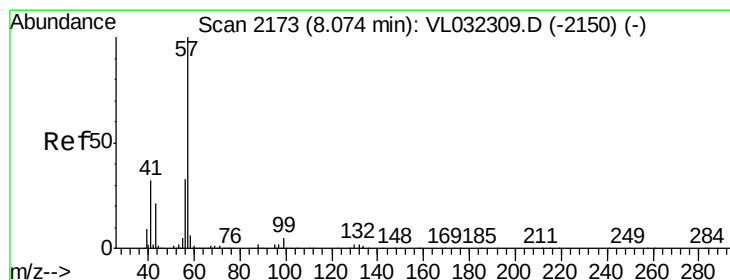
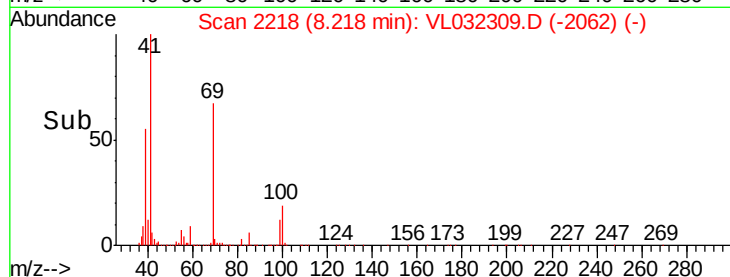
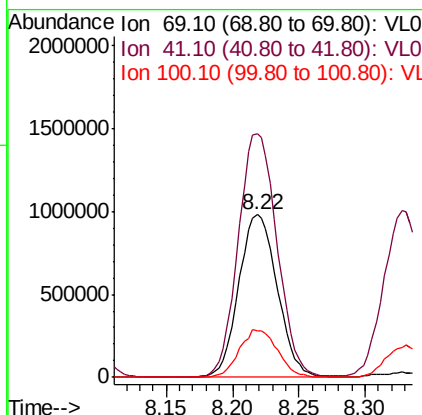
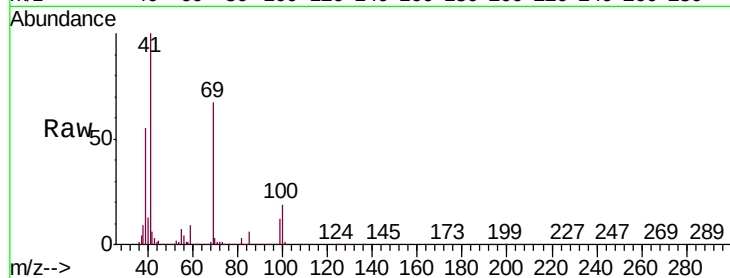
#43
Methyl Methacrylate
Concen: 11.79 ppbv
RT: 8.22 min Scan# 2218
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
69	100		
41	150.7	120.6	180.8
100	29.0	23.2	34.8

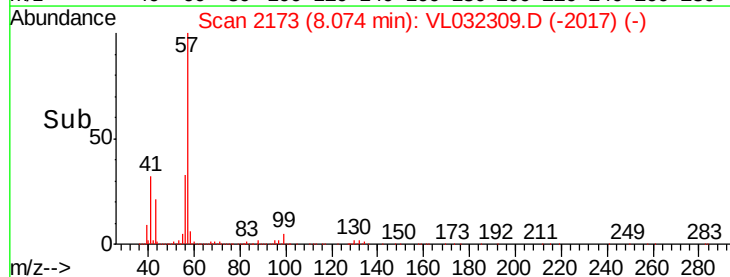
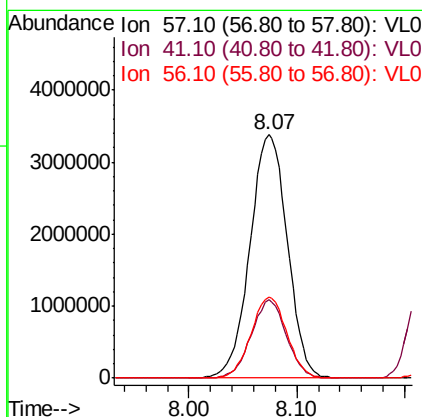
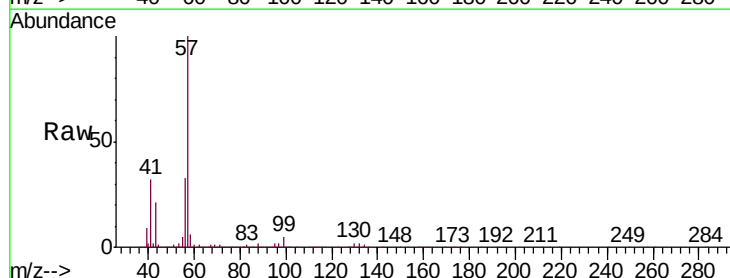
Manual Integrations
APPROVED

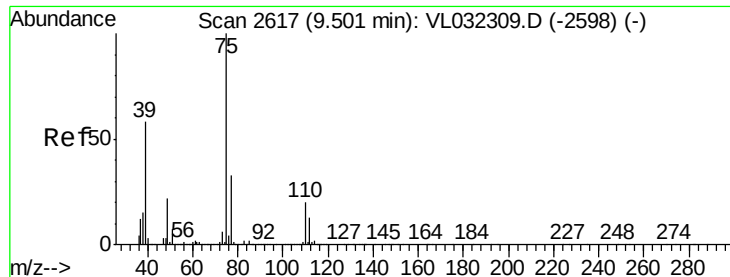
MMDadoda
7/30/2018 11:42:55 AM



#44
2,2,4-Trimethylpentane
Concen: 11.21 ppbv
RT: 8.07 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion	Ratio	Lower	Upper
57	100		
41	30.3	24.3	36.5
56	31.8	25.4	38.2





#45

t-1,3-Dichloropropene

Concen: 12.08 ppbv

RT: 9.50 min Scan# 2617

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 75 Resp: 2462887

Ion Ratio Lower Upper

75 100

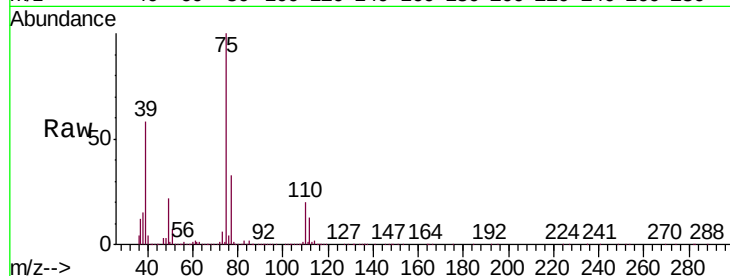
77 32.8 26.2 39.4

Manual Integrations

APPROVED

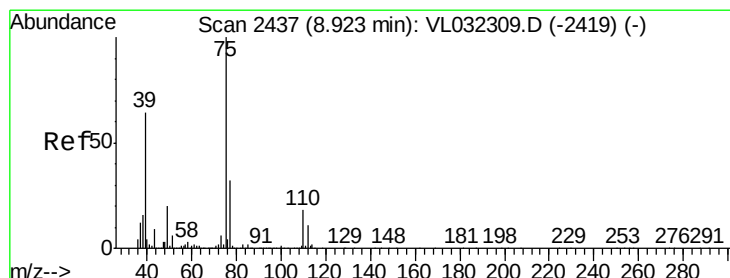
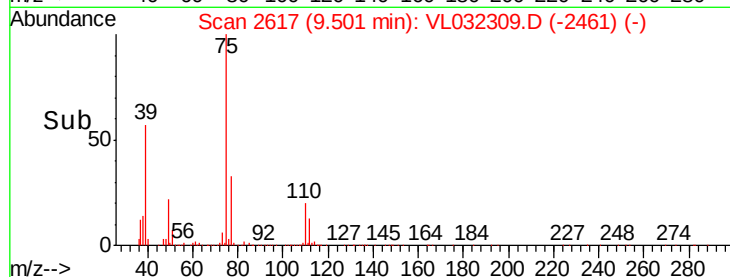
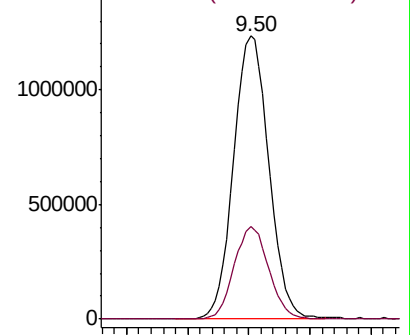
MMDadoda

7/30/2018 11:42:55 AM



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: 11.50 ppbv

RT: 8.92 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

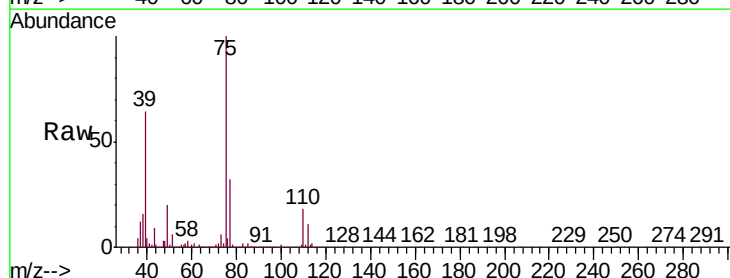
Tgt Ion: 75 Resp: 2908518

Ion Ratio Lower Upper

75 100

39 63.6 50.9 76.3

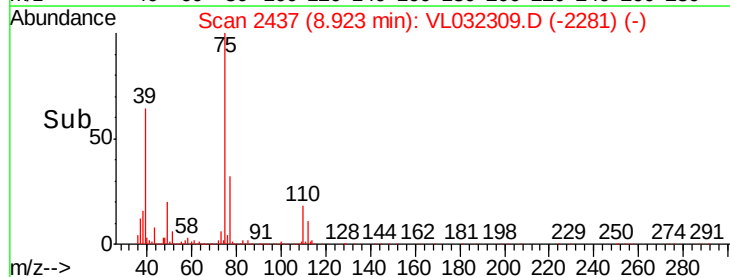
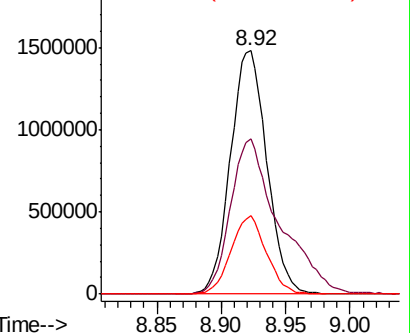
77 32.1 25.7 38.5

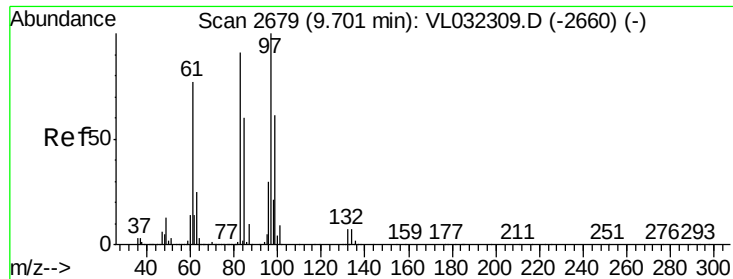


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





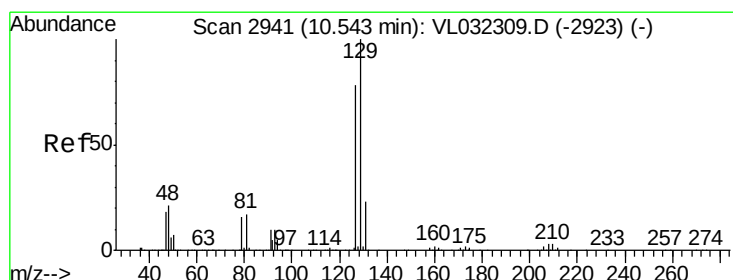
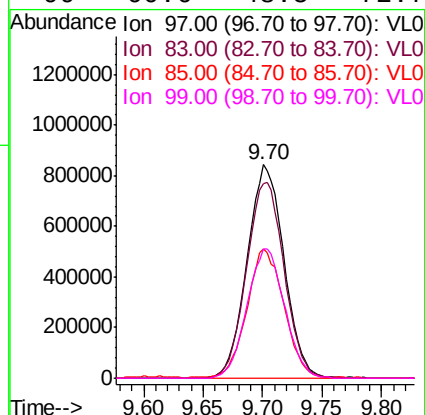
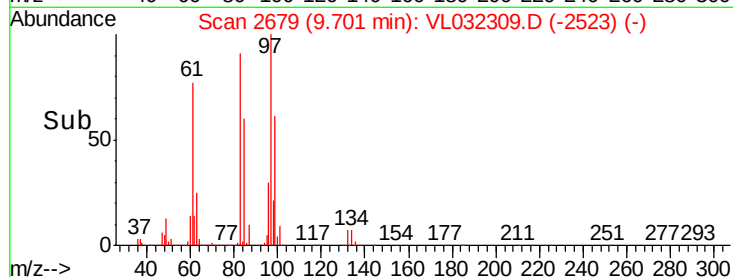
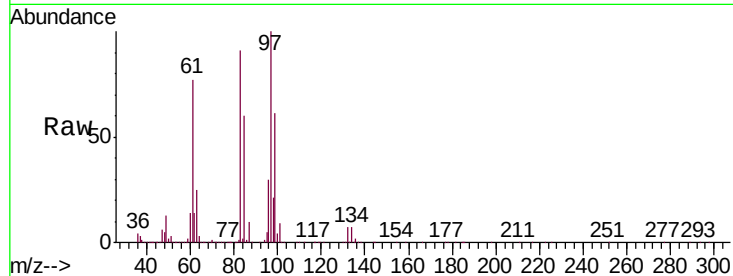
#47
 1,1,2-Trichloroethane
 Concen: 10.28 ppbv
 RT: 9.70 min Scan# 2679
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	97	Resp	1809250
Ion	Ratio	Lower	Upper
97	100		
83	91.3	73.0	109.6
85	60.1	48.1	72.1
99	60.6	48.5	72.7

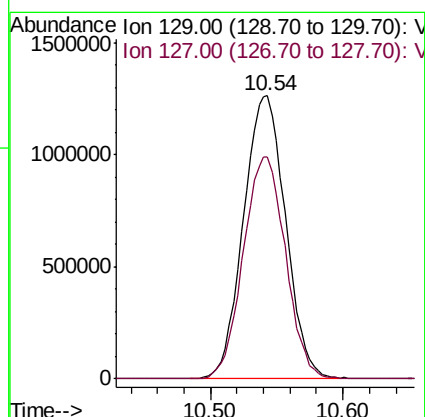
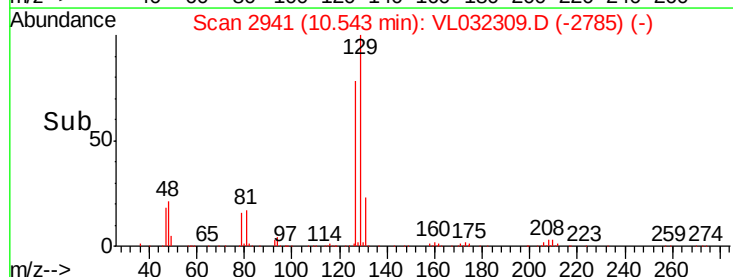
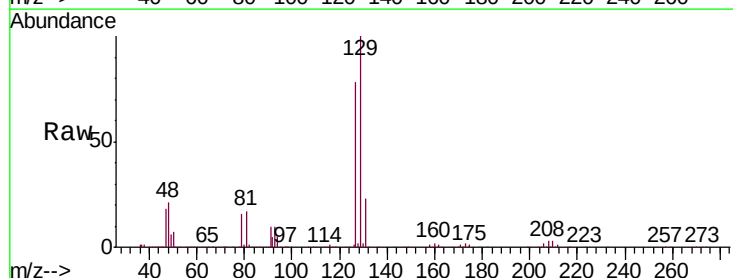
Manual Integrations
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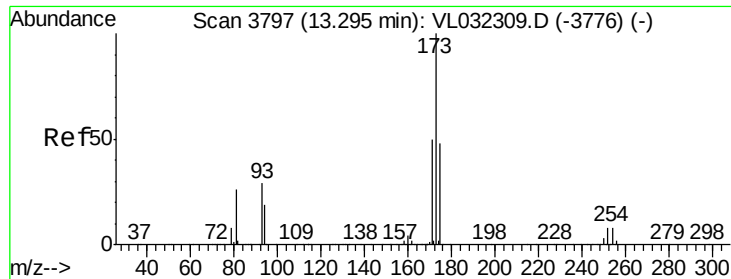
MMDadoda
 7/30/2018 11:42:55 AM



#48
 Dibromochloromethane
 Concen: 10.80 ppbv
 RT: 10.54 min Scan# 2941
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Tgt Ion	129	Resp	2796095
Ion	Ratio	Lower	Upper
129	100		
127	78.9	39.5	118.3





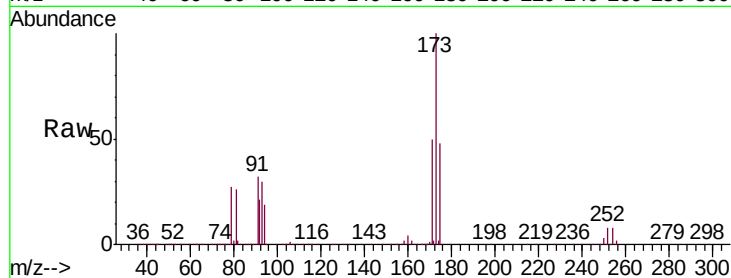
#49
Bromoform
Concen: 10.33 ppbv
RT: 13.30 min Scan# 3797
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

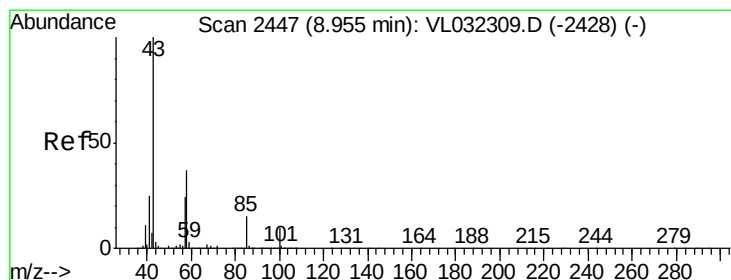
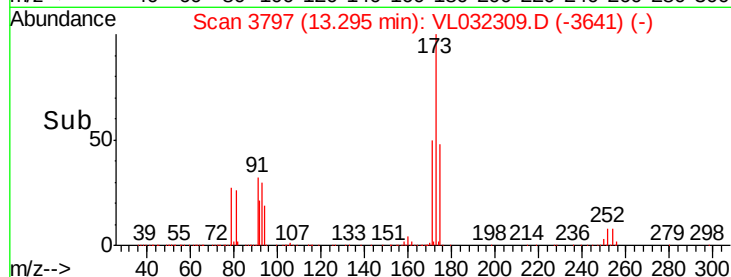
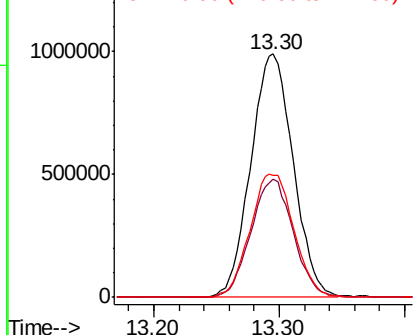
Tot Ion:173 Resp: 2330347
Ion Ratio Lower Upper
173 100
175 49.0 38.9 58.3
171 52.6 42.2 63.2

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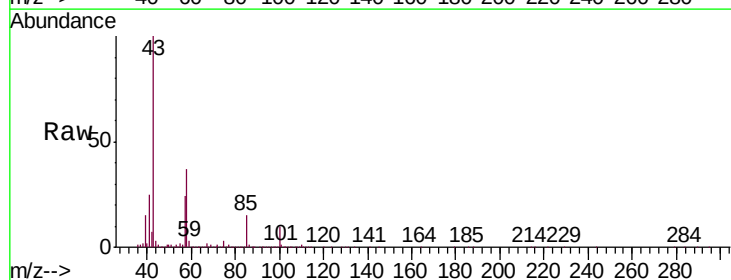


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

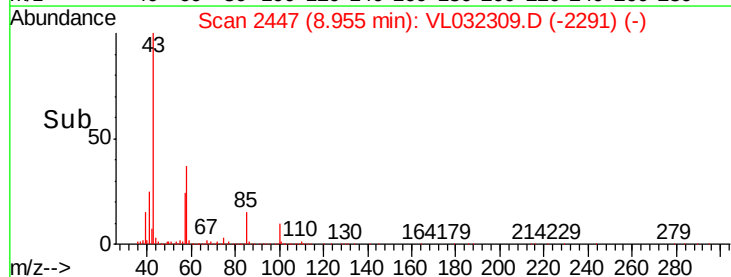
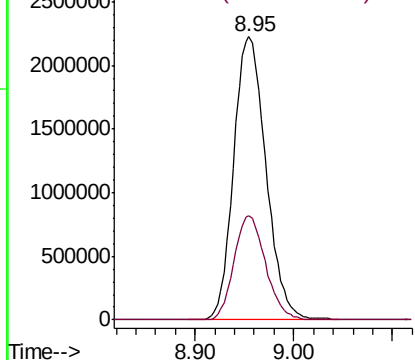


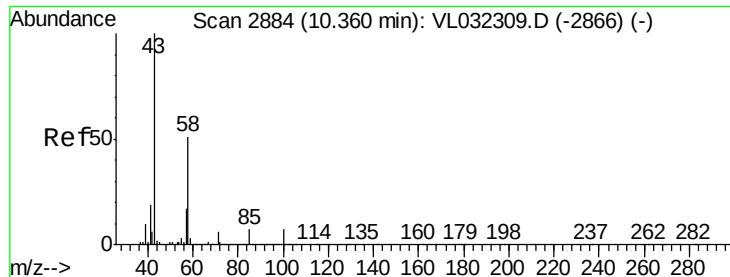
#50
4-Methyl-2-Pentanone
Concen: 10.70 ppbv
RT: 8.95 min Scan# 2447
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion: 43 Resp: 5062466
Ion Ratio Lower Upper
43 100
58 36.1 28.9 43.3



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





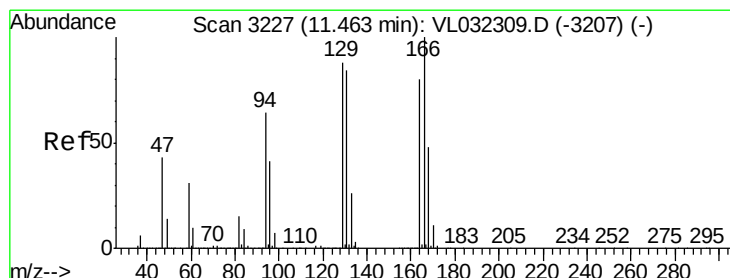
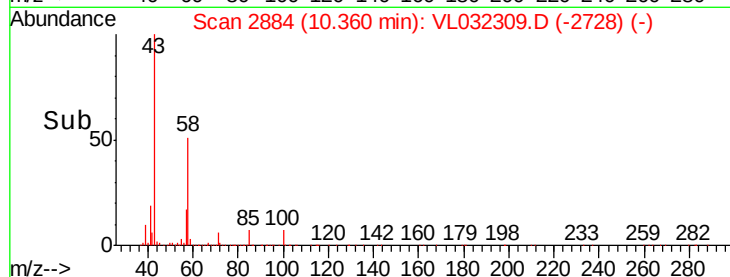
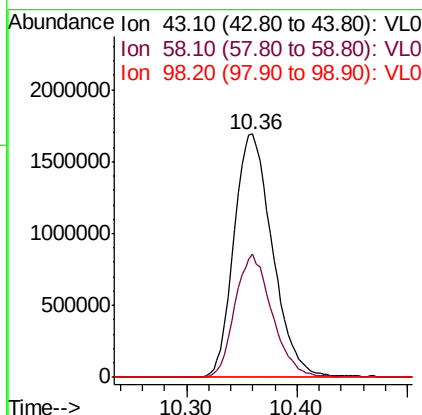
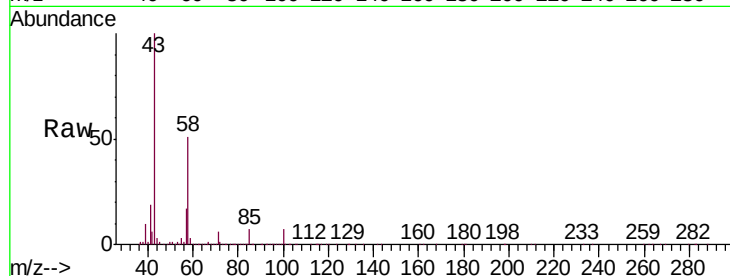
#51
2-Hexanone
Concen: 10.97 ppbv
RT: 10.36 min Scan# 2884
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 4084586
Ion Ratio Lower Upper
43 100
58 48.9 39.1 58.7
98 0.3 0.3 0.5

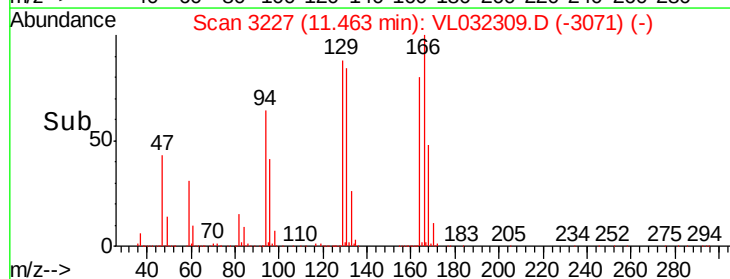
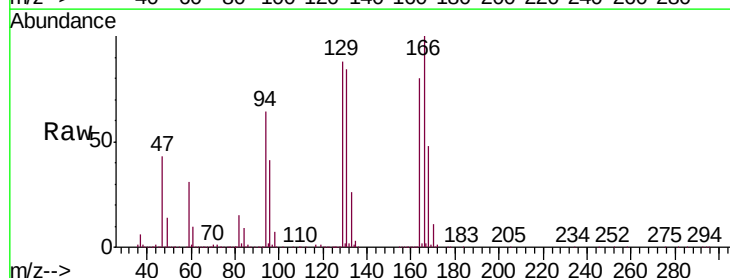
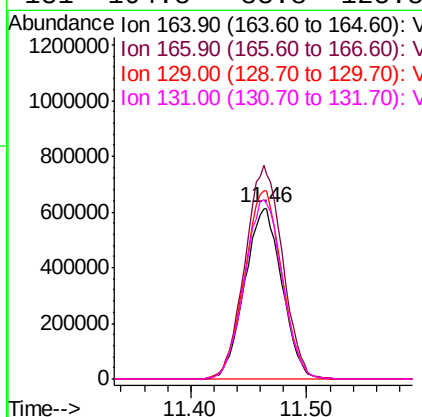
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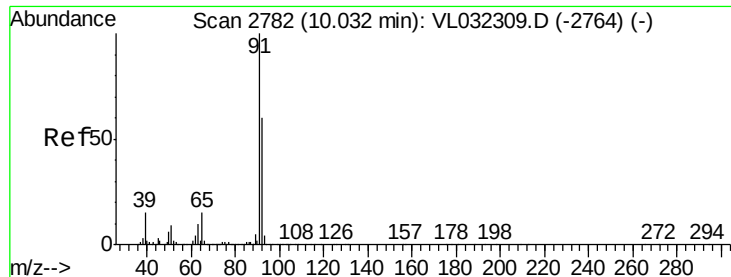
MMDadoda
7/30/2018 11:42:55 AM



#52
Tetrachloroethene
Concen: 9.70 ppbv
RT: 11.46 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion: 164 Resp: 1370436
Ion Ratio Lower Upper
164 100
166 125.0 100.0 150.0
129 109.9 87.9 131.9
131 104.8 83.8 125.8





#53

Toluene

Concen: 10.09 ppbv

RT: 10.03 min Scan# 2782

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 5006269

Ion Ratio Lower Upper

91 100

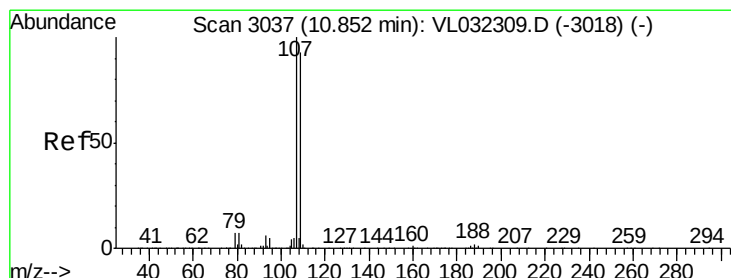
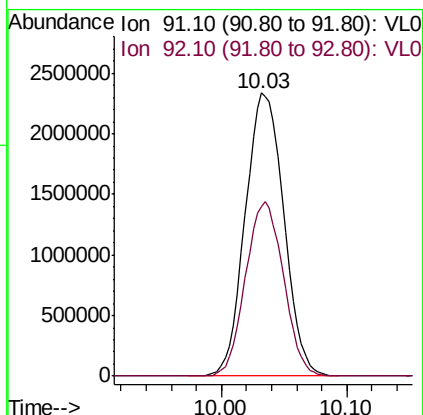
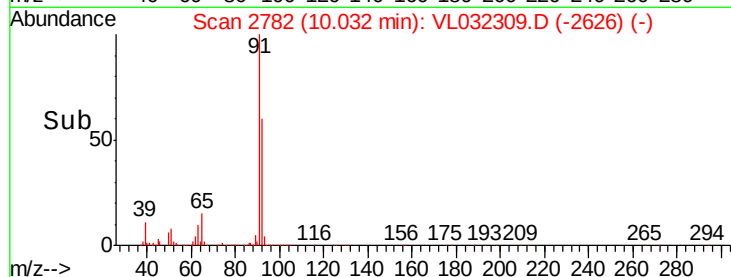
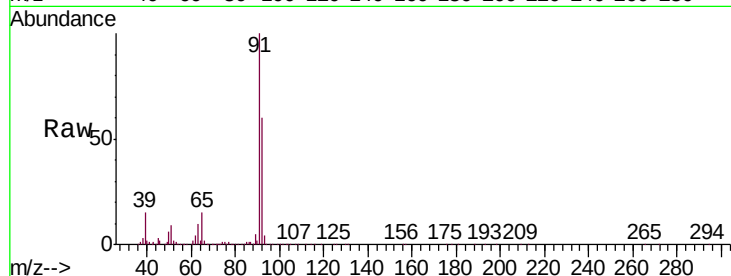
92 60.7 48.6 72.8

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.30 ppbv

RT: 10.85 min Scan# 3037

Delta R.T. 0.00 min

Lab File: VL032309.D

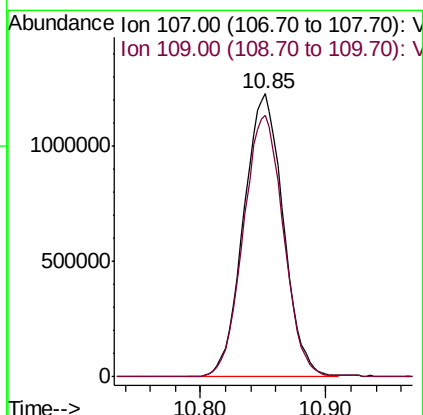
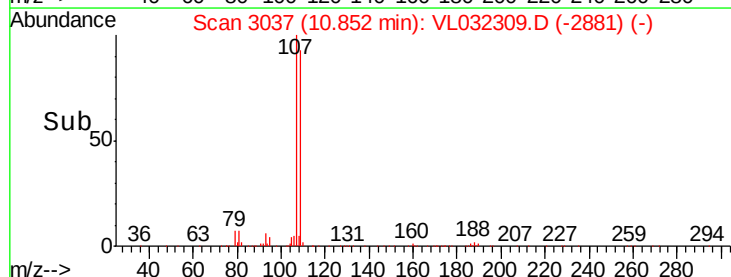
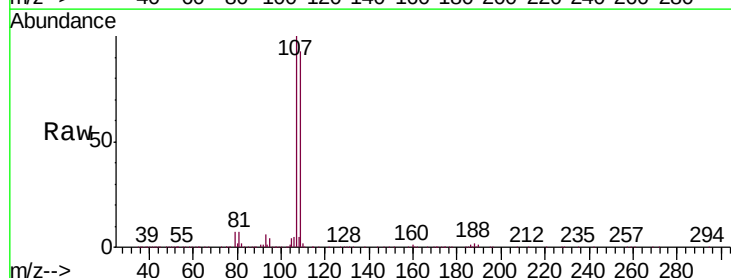
Acq: 27 Jul 2018 00:36

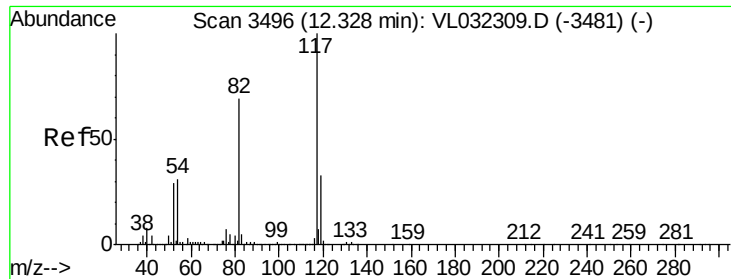
Tgt Ion: 107 Resp: 2691328

Ion Ratio Lower Upper

107 100

109 92.6 74.1 111.1





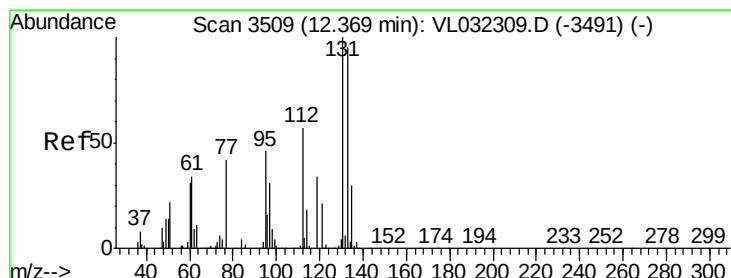
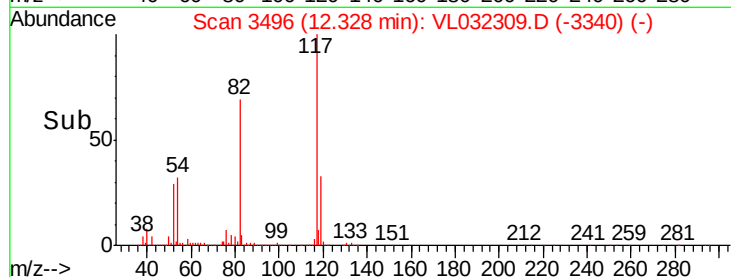
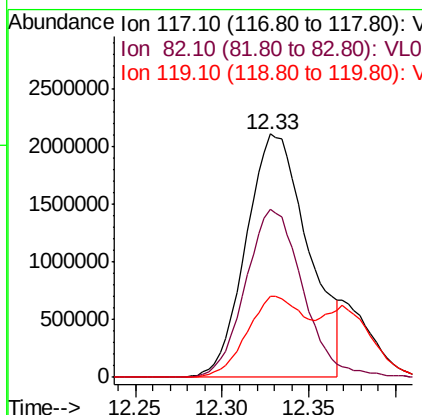
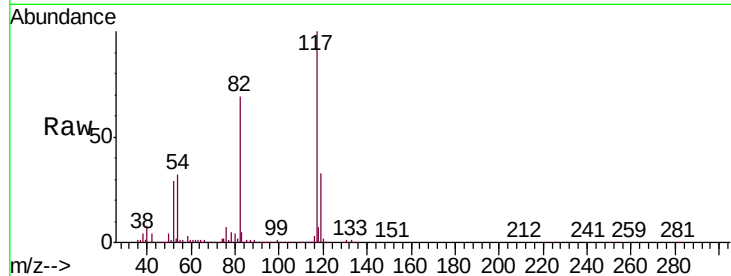
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.33 min Scan# 3496
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 5243094
Ion Ratio Lower Upper
117 100
82 64.0 52.6 78.8
119 29.5 25.7 38.5

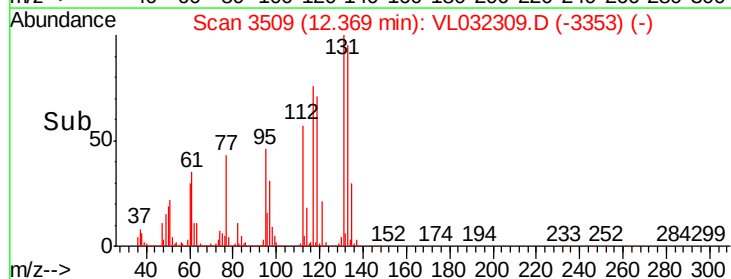
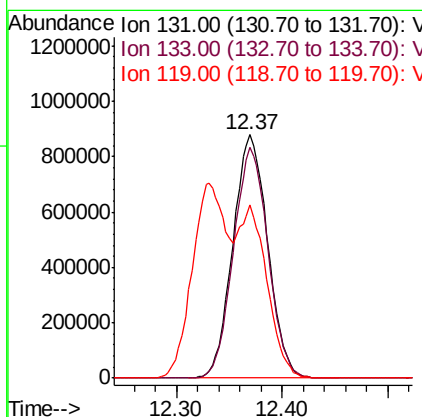
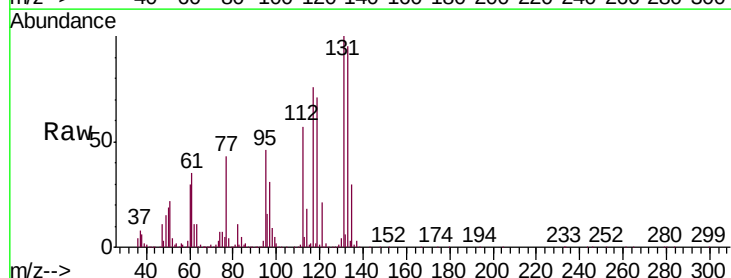
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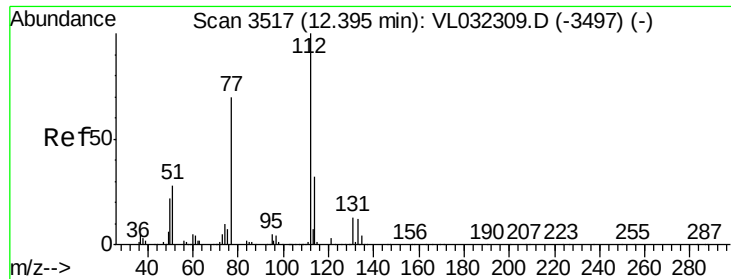
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.65 ppbv
RT: 12.37 min Scan# 3509
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion:131 Resp: 2009614
Ion Ratio Lower Upper
131 100
133 94.7 75.8 113.6
119 60.1 48.1 72.1





#57

Chlorobenzene

Concen: 8.60 ppbv

RT: 12.40 min Scan# 3517

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:112 Resp: 3691386

Ion Ratio Lower Upper

112 100

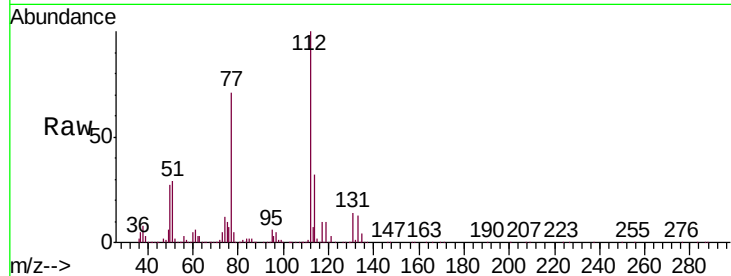
77 70.6 56.5 84.7

114 31.5 28.4 34.7

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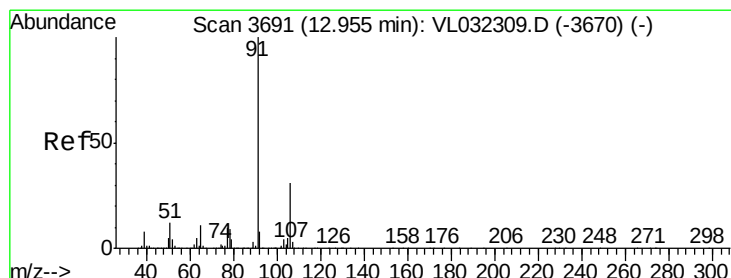
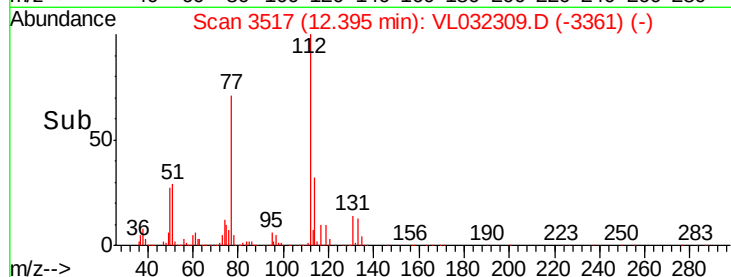
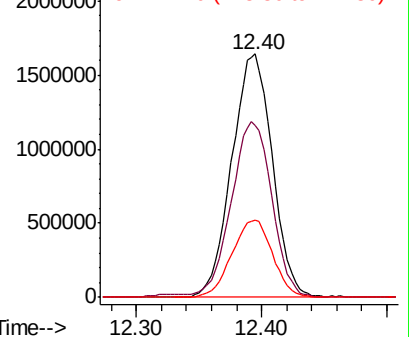
7/30/2018 11:42:55 AM



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: 9.36 ppbv

RT: 12.95 min Scan# 3691

Delta R.T. 0.00 min

Lab File: VL032309.D

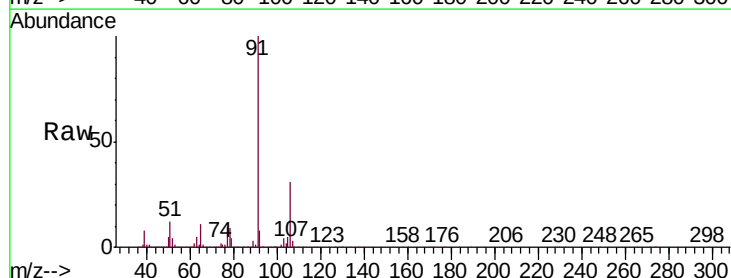
Acq: 27 Jul 2018 00:36

Tgt Ion: 91 Resp: 6800917

Ion Ratio Lower Upper

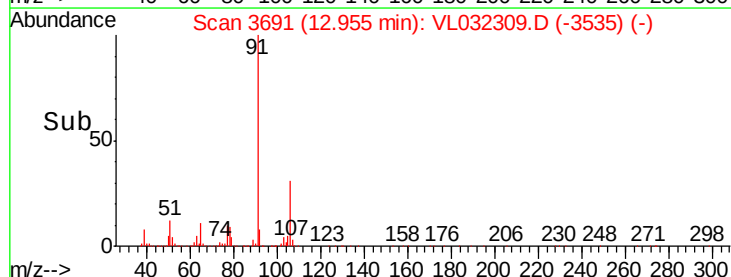
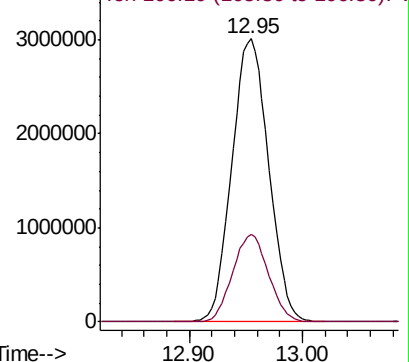
91 100

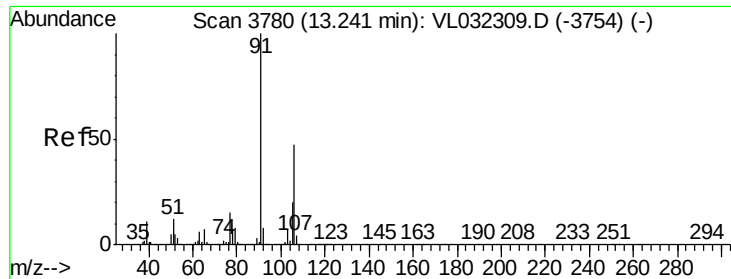
106 31.2 25.0 37.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





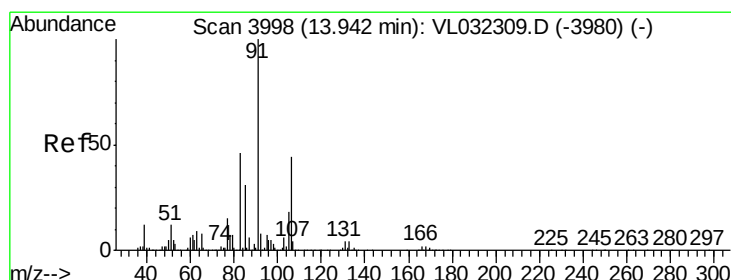
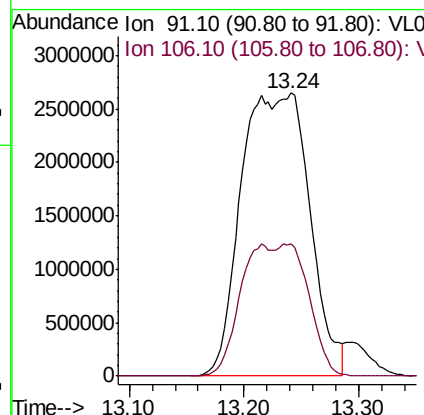
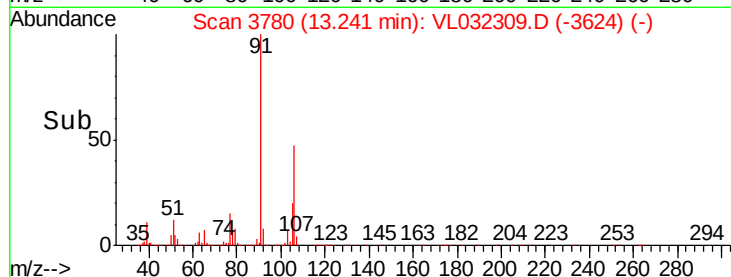
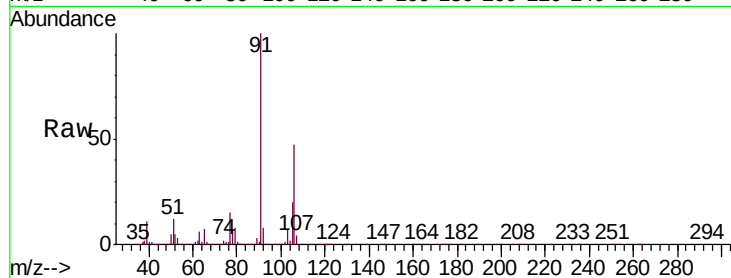
#59
m/p-Xylene
Concen: 17.46 ppbv m
RT: 13.24 min Scan# 3780
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp:10950191
Ion Ratio Lower Upper
91 100
106 45.5 36.4 54.6

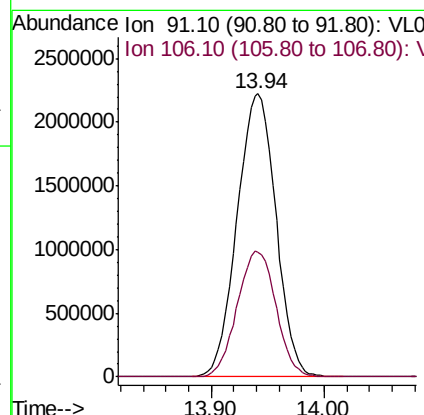
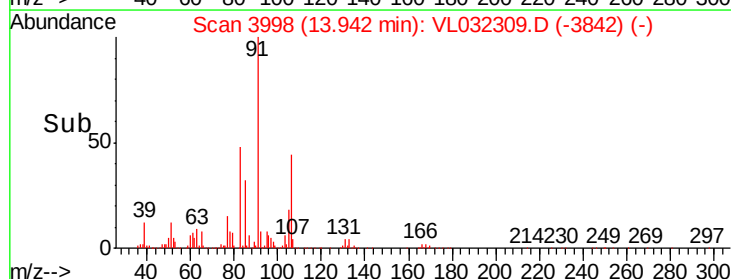
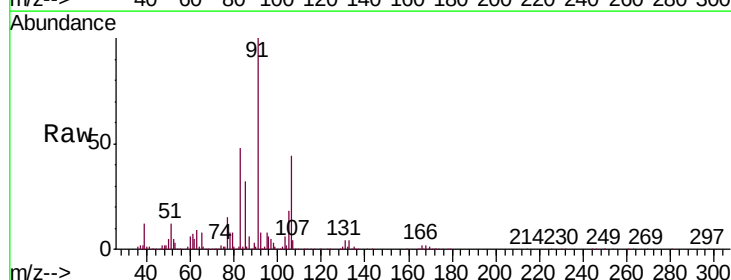
Manual Integrations
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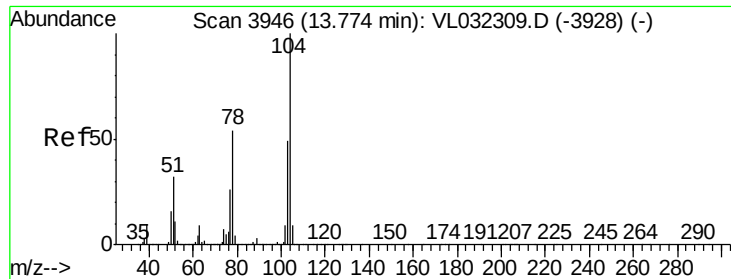
MMDadoda
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#60
o-Xylene
Concen: 8.46 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion: 91 Resp: 5287685
Ion Ratio Lower Upper
91 100
106 44.7 22.4 67.0





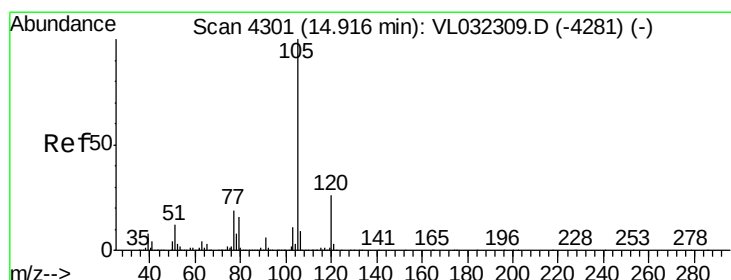
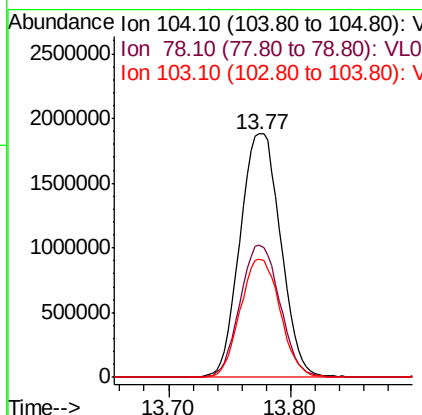
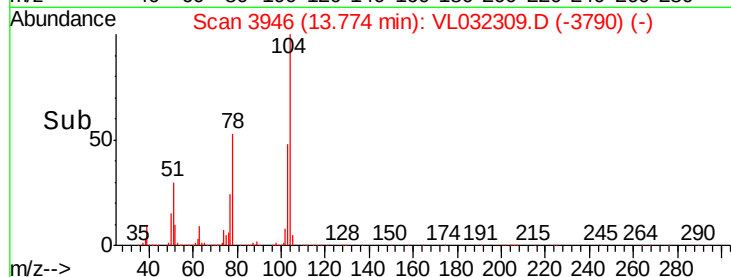
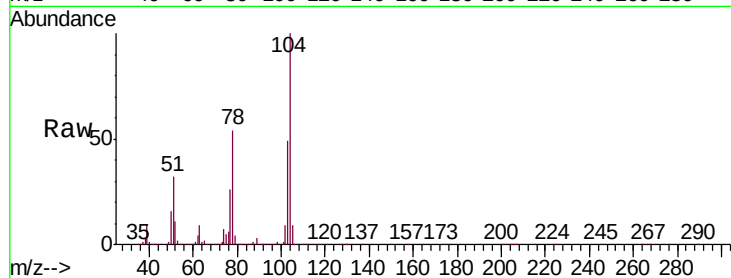
#61
Stvrene
Concen: 9.45 ppbv
RT: 13.77 min Scan# 3946
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:104 Resp: 4340433
Ion Ratio Lower Upper
104 100
78 53.2 42.6 63.8
103 47.5 38.0 57.0

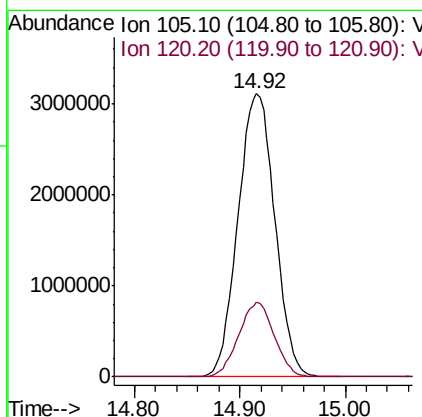
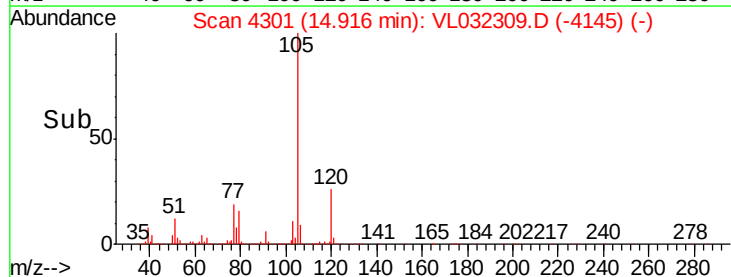
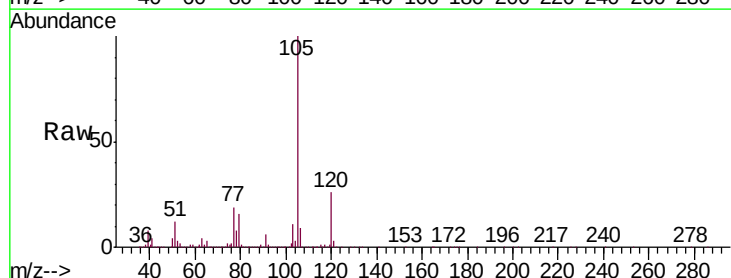
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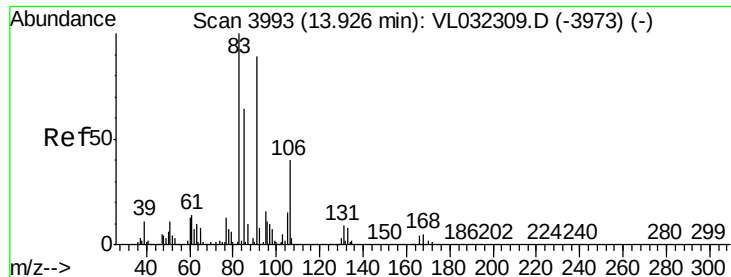
MMDadoda
7/30/2018 11:42:55 AM



#62
Isopropylbenzene
Concen: 8.53 ppbv
RT: 14.92 min Scan# 4301
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion:105 Resp: 7542547
Ion Ratio Lower Upper
105 100
120 25.5 20.4 30.6





#63

1,1,2,2-Tetrachloroethane

Concen: 7.44 ppbv

RT: 13.93 min Scan# 3993

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 3972690

Ion Ratio Lower Upper

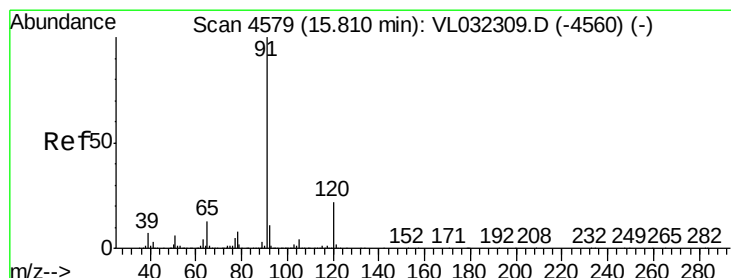
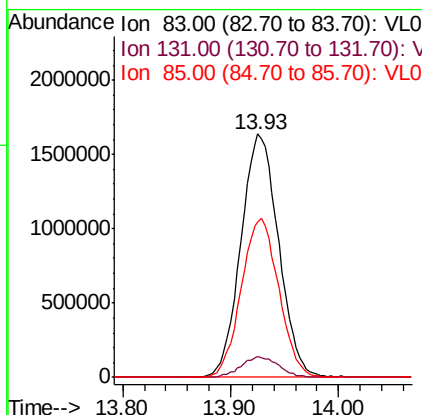
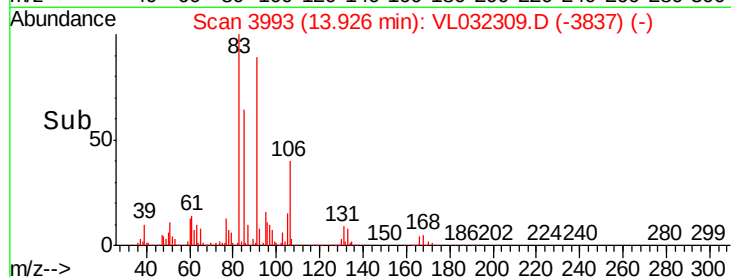
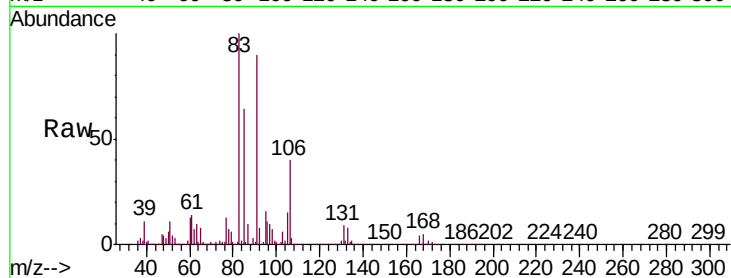
83 100

131 8.5 4.3 12.8

85 65.1 32.6 97.7

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7/30/2018 11:42:55 AM



#64

n-propylbenzene

Concen: 8.72 ppbv

RT: 15.81 min Scan# 4579

Delta R.T. 0.00 min

Lab File: VL032309.D

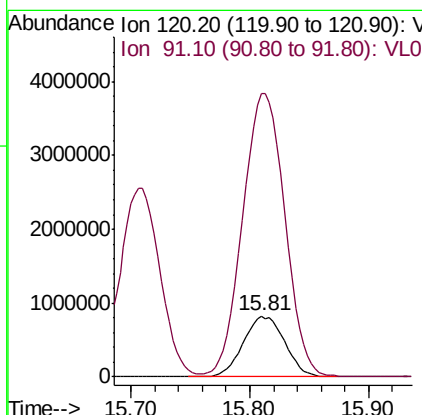
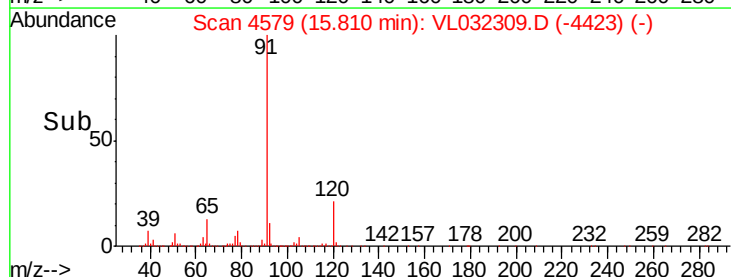
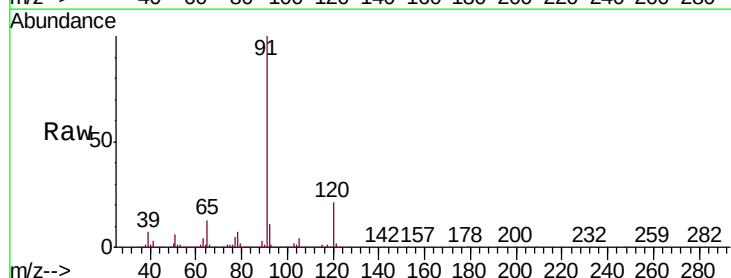
Acq: 27 Jul 2018 00:36

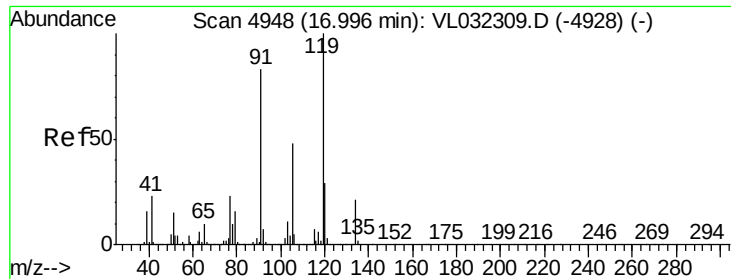
Tgt Ion: 120 Resp: 1978127

Ion Ratio Lower Upper

120 100

91 477.3 381.8 572.8





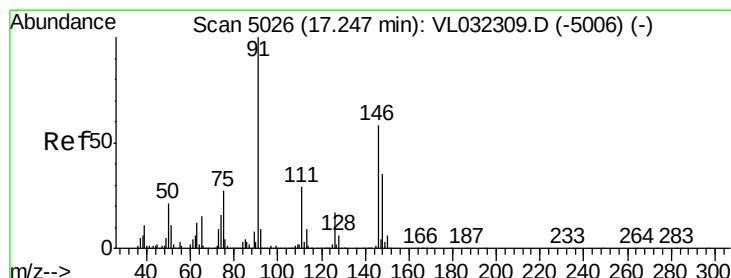
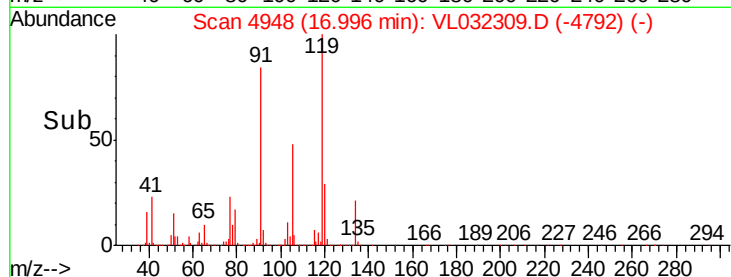
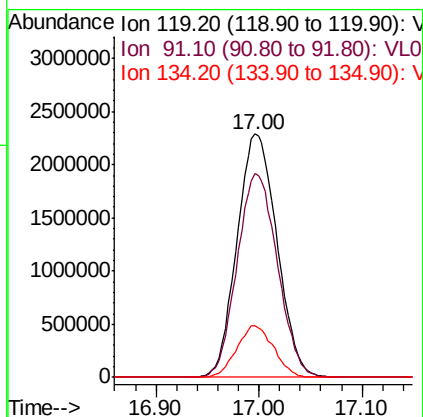
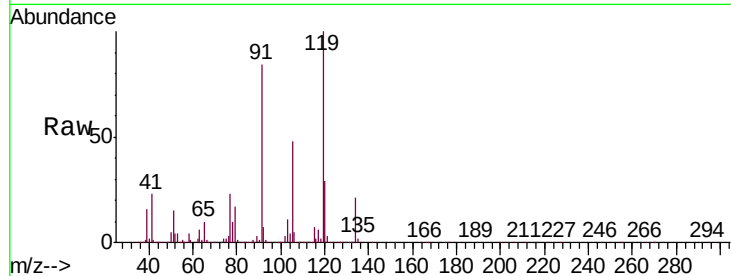
#65
tert-Butylbenzene
Concen: 8.17 ppbv
RT: 17.00 min Scan# 4948
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 119 Resp: 6166303
Ion Ratio Lower Upper
119 100
91 84.4 67.5 101.3
134 19.7 15.8 23.6

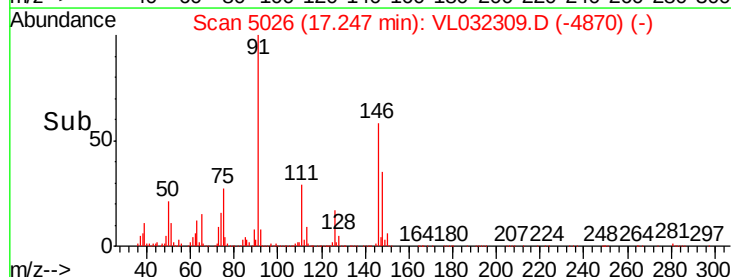
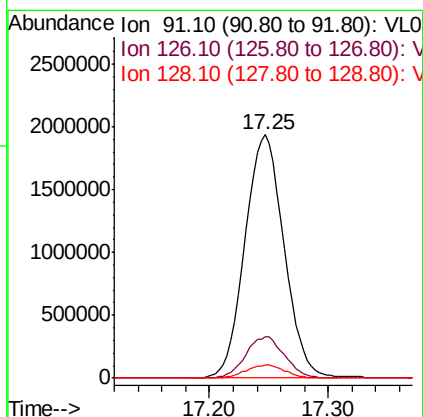
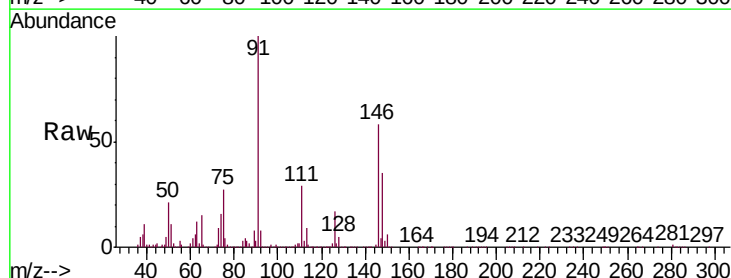
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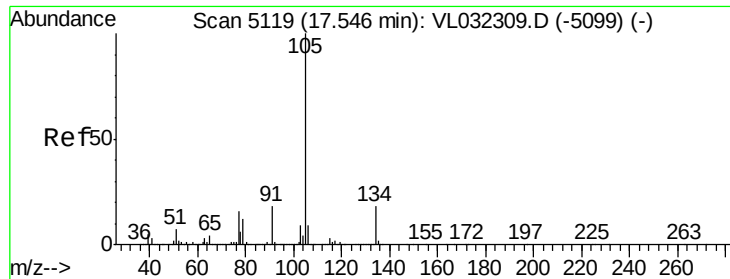
MMDadoda
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#66
Benzyl Chloride
Concen: 10.40 ppbv
RT: 17.25 min Scan# 5026
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion: 91 Resp: 4395080
Ion Ratio Lower Upper
91 100
126 17.2 13.7 20.5
128 5.4 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.20 ppbv

RT: 17.55 min Scan# 5119

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 9247233

Ion Ratio Lower Upper

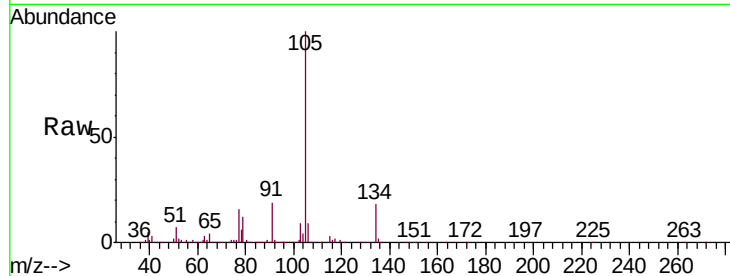
105 100

134 17.8 14.2 21.4

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

Ion 134.20 (133.90 to 134.90): V

17.55

4000000

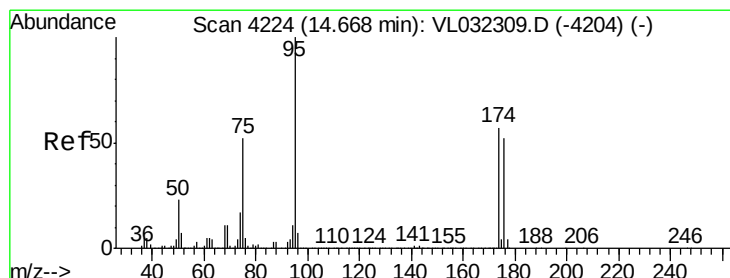
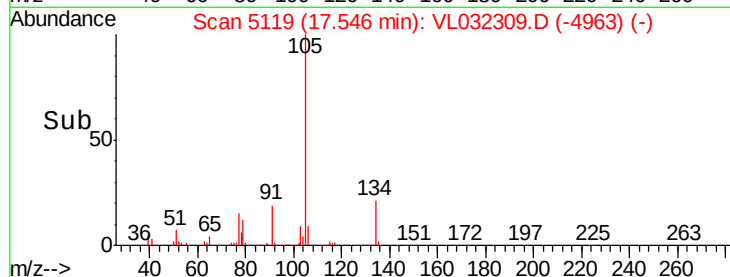
3000000

2000000

1000000

0

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.10 ppbv

RT: 14.67 min Scan# 4224

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

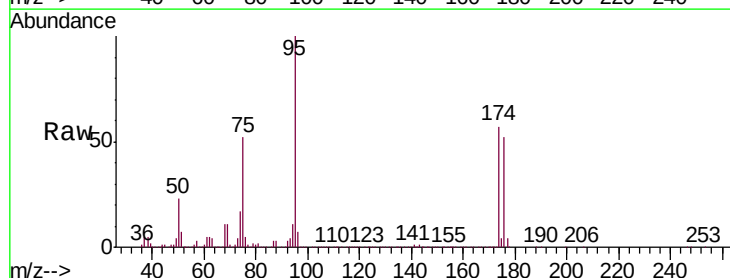
Tgt Ion: 95 Resp: 3820050

Ion Ratio Lower Upper

95 100

174 57.0 45.5 68.3

175 4.1 3.3 4.9



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

2000000

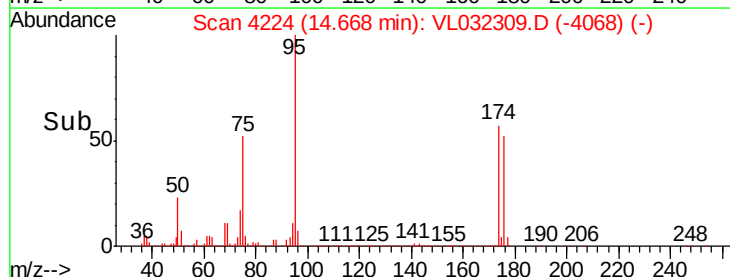
1500000

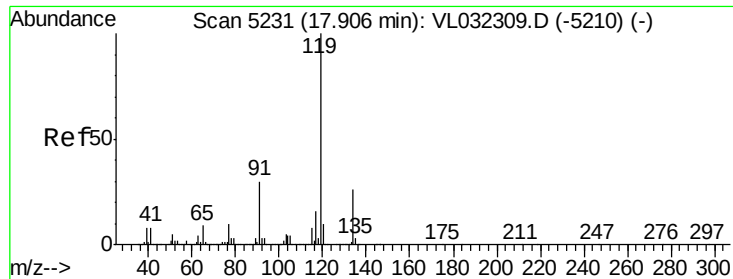
1000000

500000

0

Time-->





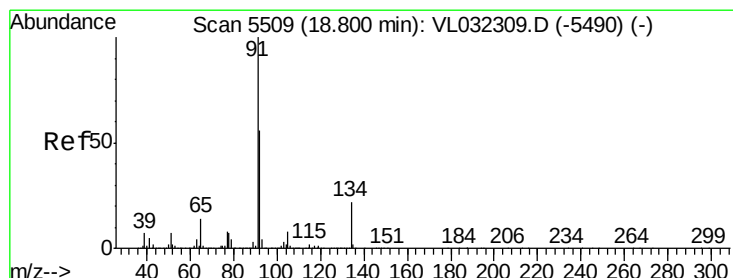
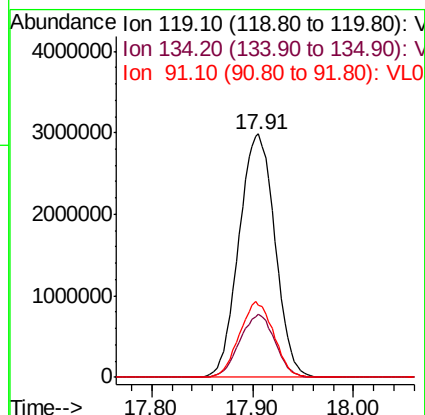
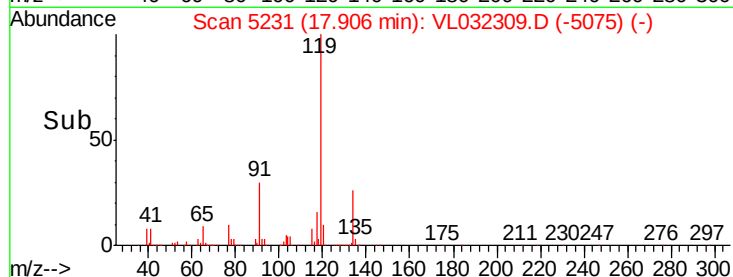
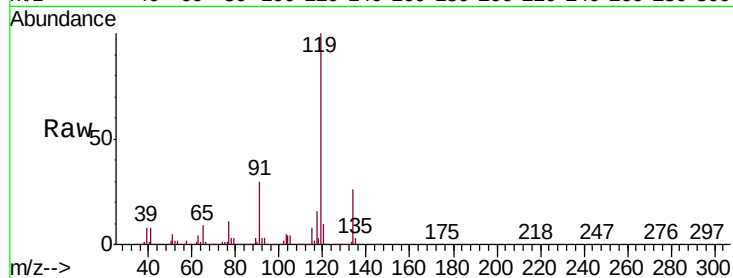
#69
p-Isopropyltoluene
Concen: 8.44 ppbv
RT: 17.91 min Scan# 5231
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.3	30.5
91	29.6	23.8	35.6

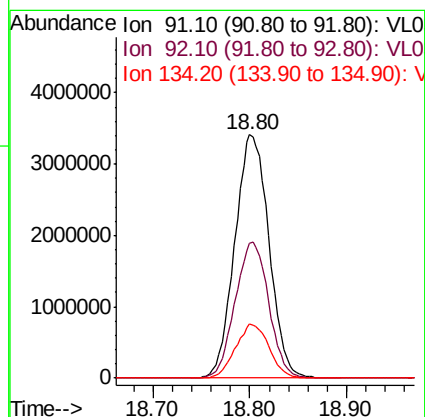
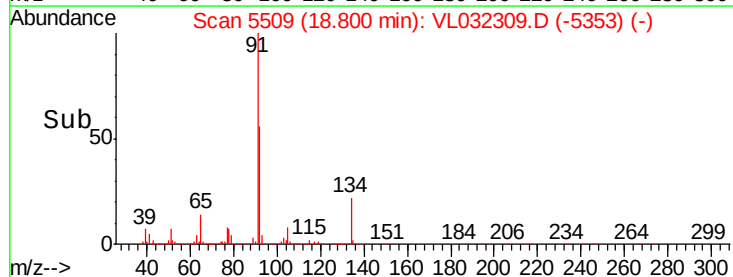
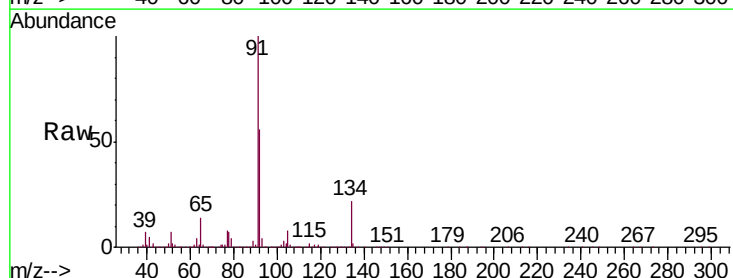
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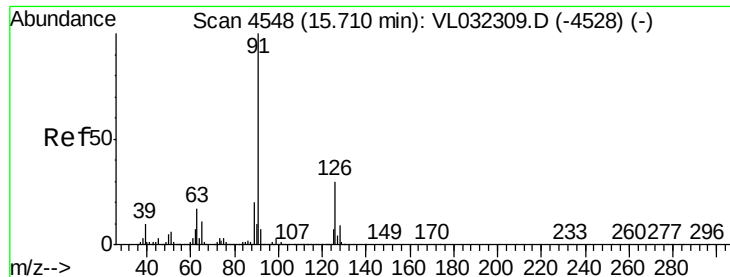
MMDadoda
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#70
n-Butylbenzene
Concen: 8.55 ppbv
RT: 18.80 min Scan# 5509
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.2	66.4
134	21.8	17.4	26.2





#71

2-Chlorotoluene

Concen: 8.52 ppbv

RT: 15.71 min Scan# 4548

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 6022220

Ion Ratio Lower Upper

91 100

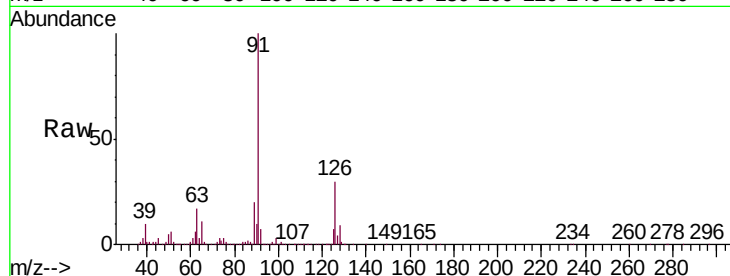
126 29.3 11.8 47.0

Manual Integrations

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

4000000

3000000

2000000

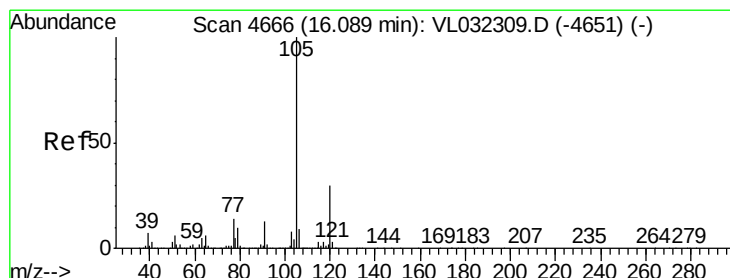
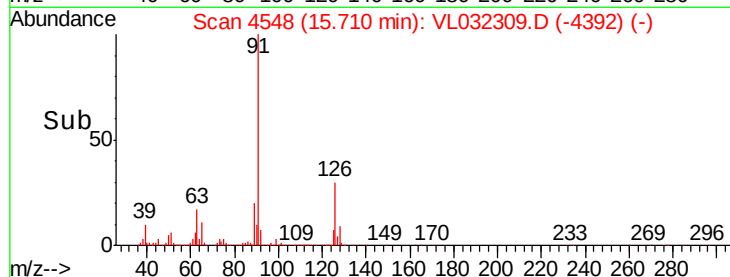
1000000

0

15.60

15.70

Time-->



#72

4-Ethyltoluene

Concen: 8.87 ppbv

RT: 16.09 min Scan# 4666

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Tgt Ion: 105 Resp: 6310771

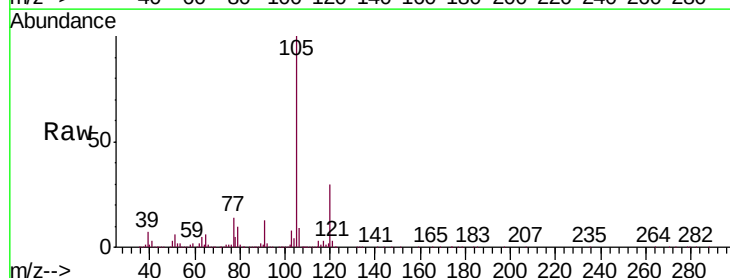
Ion Ratio Lower Upper

105 100

120 28.9 23.1 34.7

91 12.5 10.0 15.0

77 14.4 11.5 17.3



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

4000000

3000000

2000000

1000000

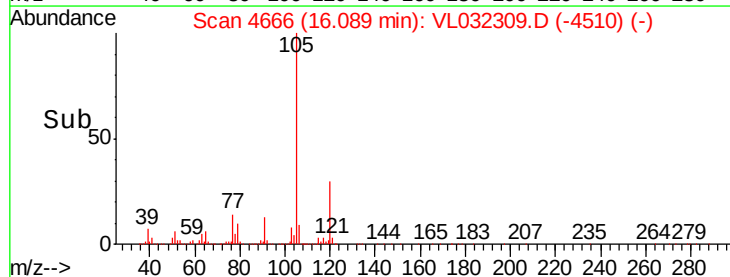
0

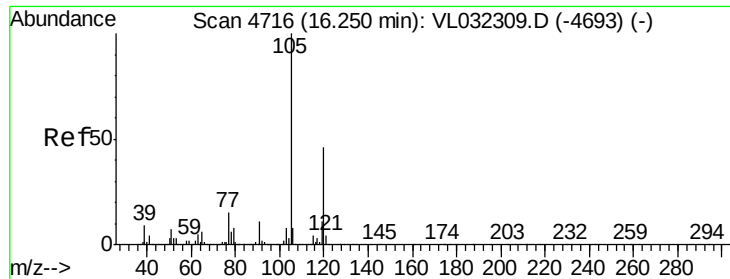
16.00

16.10

16.20

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 8.55 ppbv

RT: 16.25 min Scan# 4716

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Instrument :

MSVOA_L

ClientSampled :

VSTDICCC010

Tot Ion:105 Resp: 5947582

Ion Ratio Lower Upper

105 100

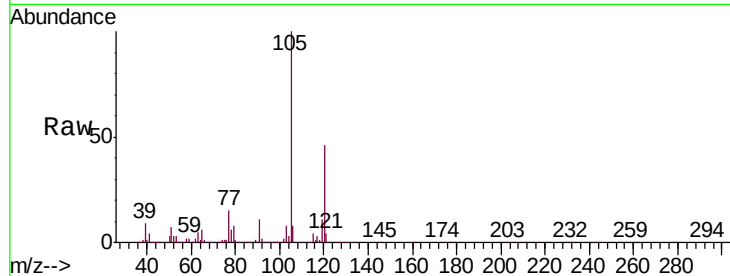
120 45.6 36.5 54.7

Manual Integrations

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

2500000

2000000

1500000

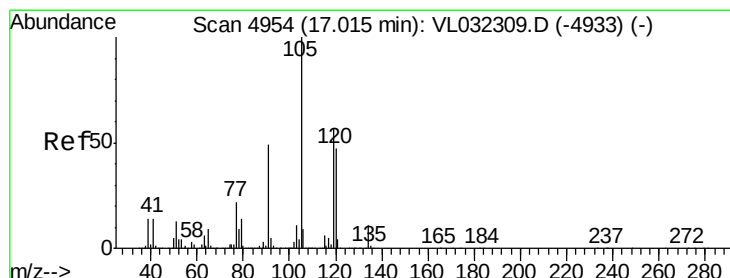
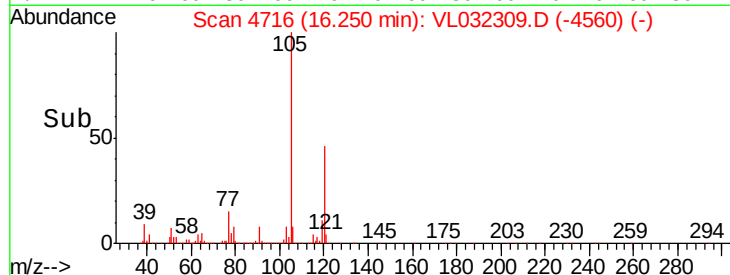
1000000

500000

0

16.10 16.20 16.30

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 8.00 ppbv

RT: 17.02 min Scan# 4954

Delta R.T. 0.00 min

Lab File: VL032309.D

Acq: 27 Jul 2018 00:36

Tgt Ion:105 Resp: 5848236

Ion Ratio Lower Upper

105 100

120 47.2 37.8 56.6

91 49.2 39.4 59.0

77 22.0 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

3000000

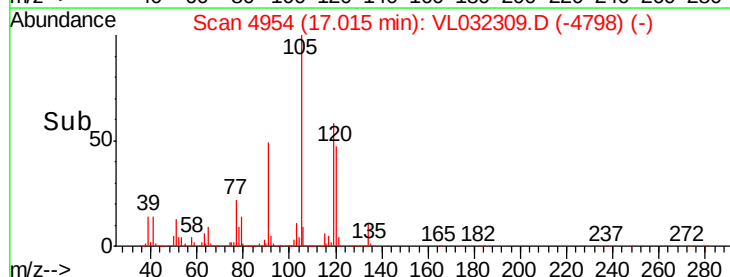
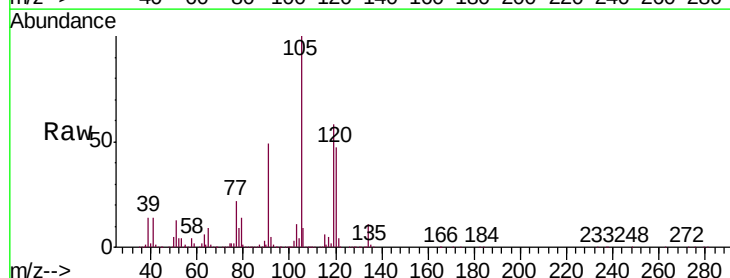
2000000

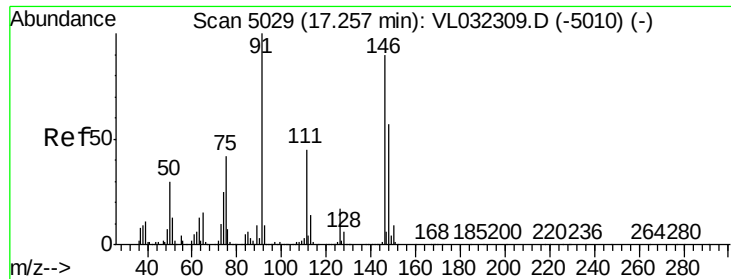
1000000

0

16.90 17.00 17.10

Time-->





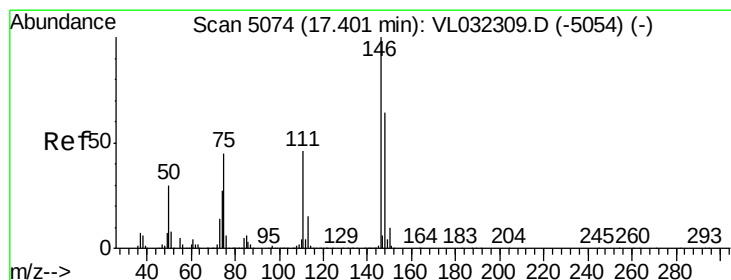
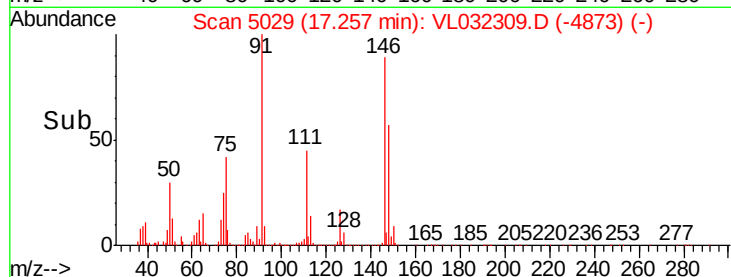
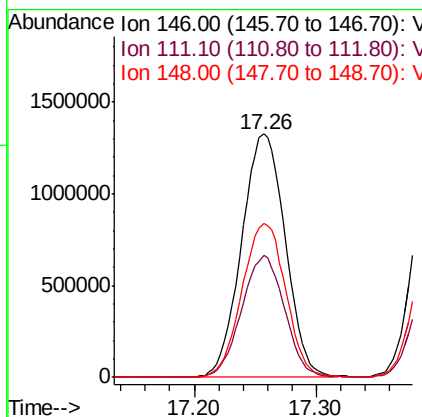
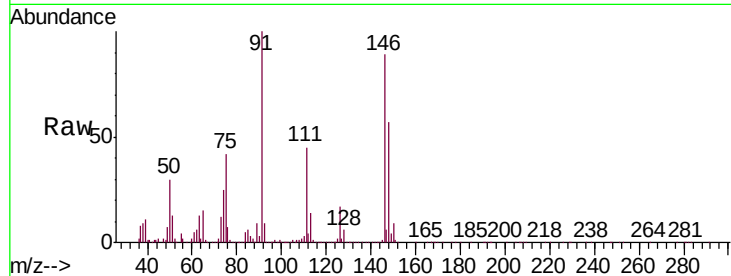
#75
 1,3-Dichlorobenzene
 Concen: 8.04 ppbv
 RT: 17.26 min Scan# 5029
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.2	24.6	73.8
148	63.3	31.6	95.0

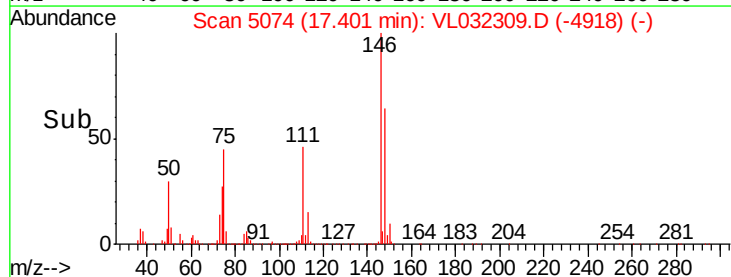
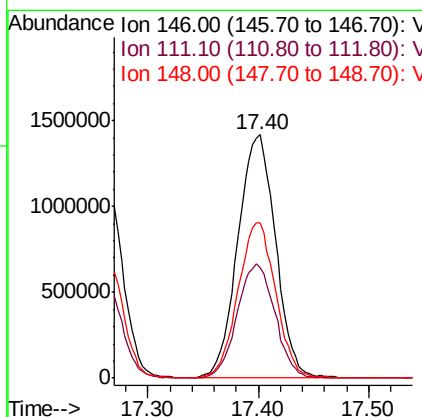
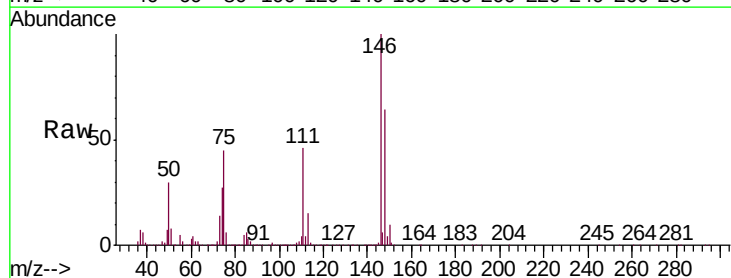
Manual Integrations
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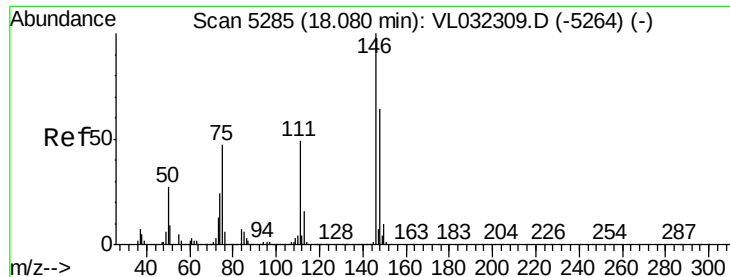
MMDadoda
 7/30/2018 11:42:55 AM



#76
 1,4-Dichlorobenzene
 Concen: 8.28 ppbv
 RT: 17.40 min Scan# 5074
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.0	23.6	70.8
148	64.1	32.1	96.3





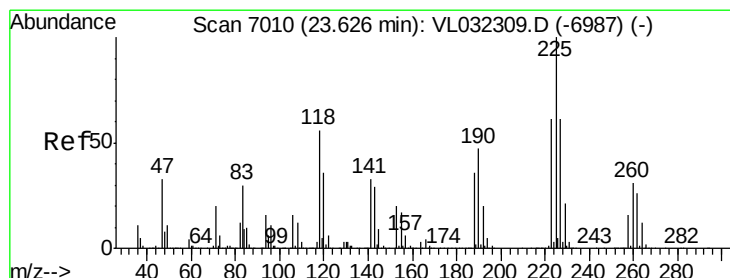
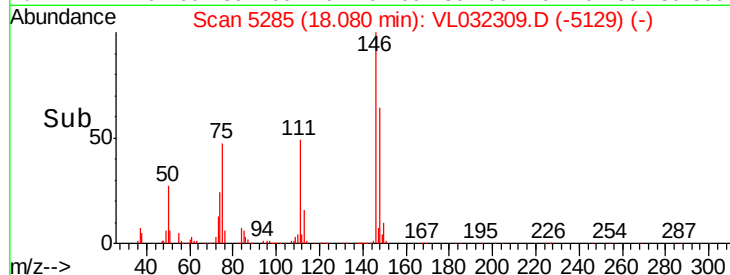
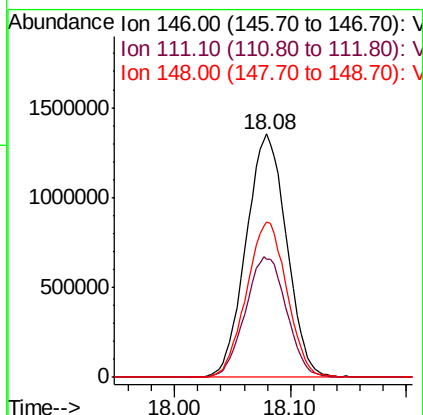
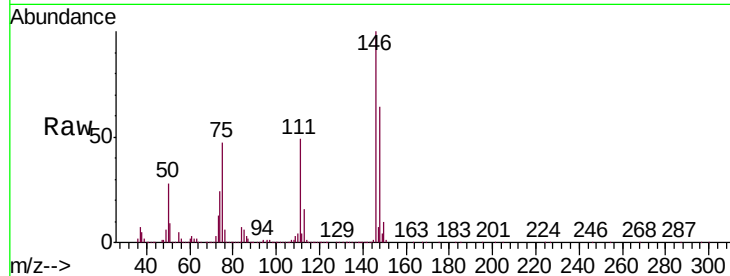
#77
 1,2-Dichlorobenzene
 Concen: 8.33 ppbv
 RT: 18.08 min Scan# 5285
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.3	25.1	75.3
148	63.9	31.9	95.7

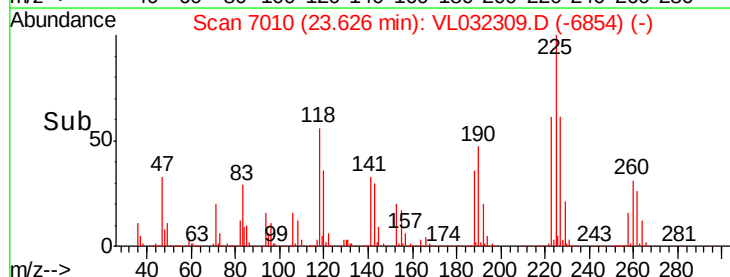
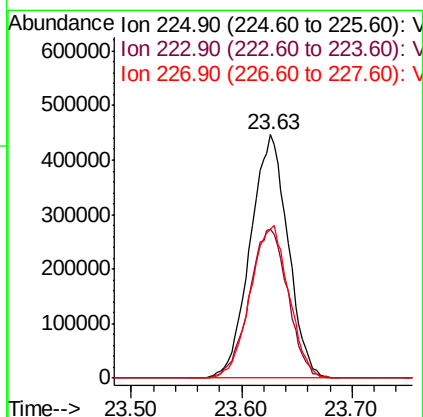
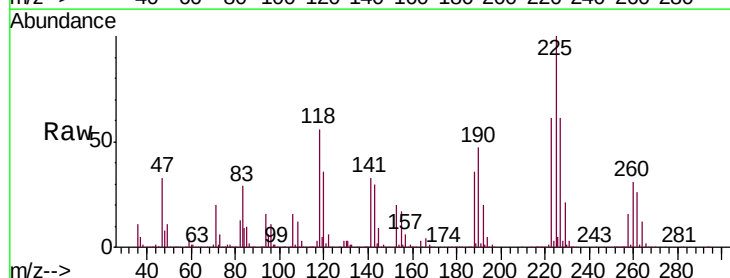
Manual Integrations
 APPROVED

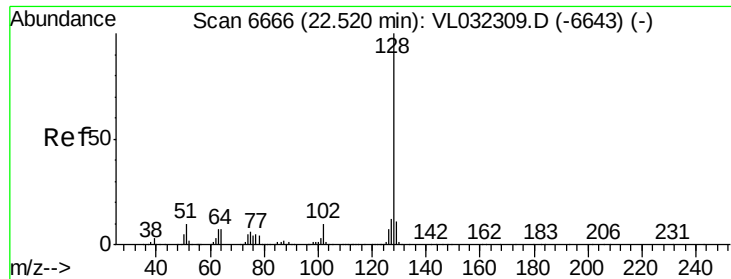
MMDadoda
 7/30/2018 11:42:55 AM



#78
 Hexachloro-1,3-Butadiene
 Concen: 8.12 ppbv
 RT: 23.63 min Scan# 7010
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.5	75.7
227	64.1	51.3	76.9





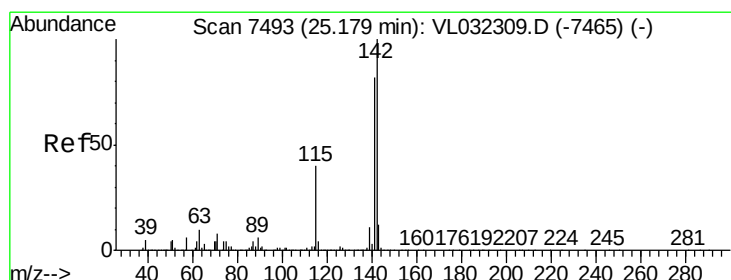
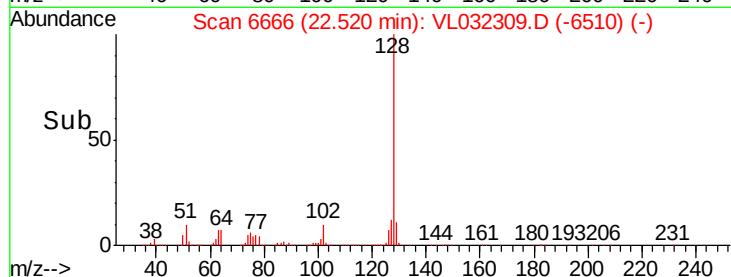
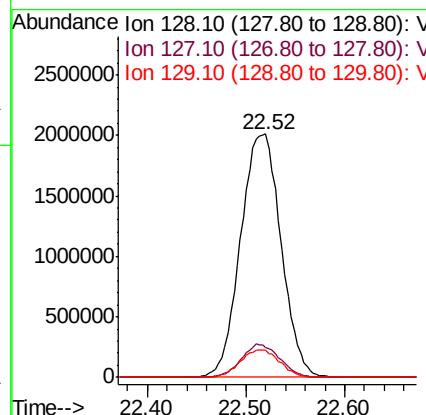
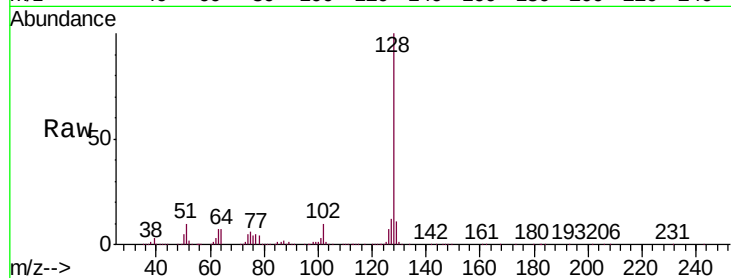
#79
Naphthalene
Concen: 9.18 ppbv
RT: 22.52 min Scan# 6666
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	11.0	8.8	13.2

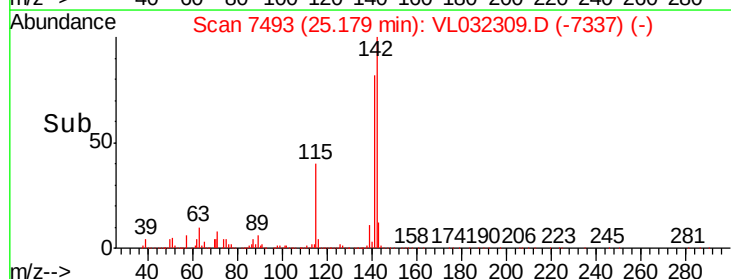
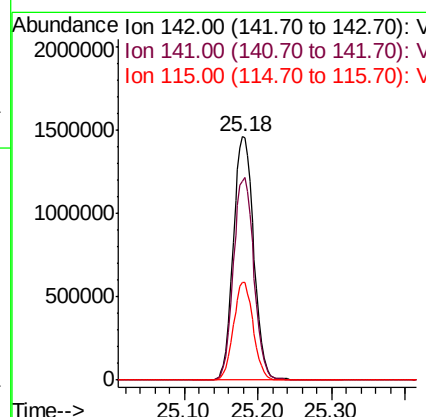
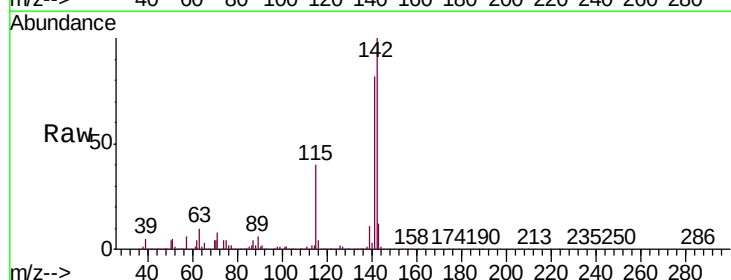
Manual Integrations
APPROVED

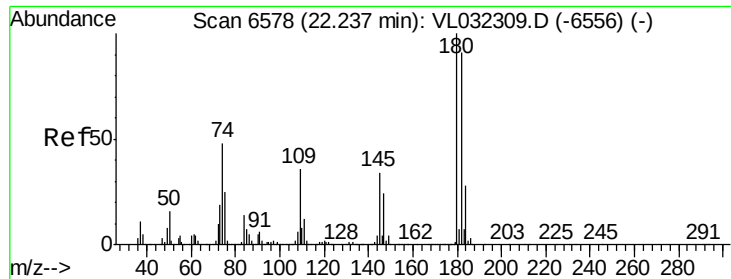
MMDadoda
7/30/2018 11:42:55 AM



#80
Naphthalene, 2-methyl-
Concen: 10.64 ppbv
RT: 25.18 min Scan# 7493
Delta R.T. 0.00 min
Lab File: VL032309.D
Acq: 27 Jul 2018 00:36

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.3	66.7	100.1
115	38.7	31.1	46.7





#81
 1,2,4-Trichlorobenzene
 Concen: 8.99 ppbv
 RT: 22.24 min Scan# 6578
 Delta R.T. 0.00 min
 Lab File: VL032309.D
 Acq: 27 Jul 2018 00:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.2	114.2
184	30.4	24.3	36.5

Manual Integrations
 APPROVED

MMDadoda
 7/30/2018 11:42:55 AM

