

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL103018\
 Data File : VL032701.D
 Acq On : 30 Oct 2018 16:05
 Operator : SY/AP
 Sample : VL1030ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1030ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/31/2018 10:39:59 AM

Quant Time: Oct 31 05:27:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 2
 QLast Update : Thu Oct 25 05:15:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1455197	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	3688968	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	3869027	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	2773115	9.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.09	85	1911037	12.890	ppbv	100
3) Chlorodifluoromethane	3.02	51	1107942	9.736	ppbv	100
4) Chloromethane	3.18	50	650298	10.225	ppbv	98
5) Vinyl Chloride	3.30	62	645065	9.364	ppbv	100
6) Bromomethane	3.53	94	413710	9.632	ppbv	92
7) Chloroethane	3.61	64	244692	9.646	ppbv	94
8) Dichlorotetrafluoroethane	3.23	85	1520909	9.733	ppbv	92
9) Propene	3.05	41	508168	10.851	ppbv	98
10) Heptane	8.26	43	1965838	10.892	ppbv	98
11) Trichlorofluoromethane	4.02	101	1732527	8.946	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.57	101	1567287	9.731	ppbv	93
13) Ethanol	3.66	45	125479	9.374	ppbv	100
14) Bromoethene	3.80	108	533946	9.810	ppbv	100
15) Acetone	3.91	43	1141565	8.495	ppbv	99
16) 1,3-Butadiene	3.37	39	544298	11.011	ppbv	81
17) tert-Butyl alcohol	4.38	59	452715	11.455	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	734027	10.374	ppbv	98
19) Isopropyl Alcohol	4.04	45	870408	9.095	ppbv #	97
20) Methylene Chloride	4.42	84	628311	9.211	ppbv	97
21) Allyl Chloride	4.49	41	1200374	10.880	ppbv	100
22) trans-1,2-Dichloroethene	4.98	96	746744	10.290	ppbv	87
23) Vinyl Acetate	5.17	43	2562309	10.761	ppbv	99
24) 1,1-Dichloroethane	5.11	63	1927962	10.314	ppbv	100
25) Ethyl Acetate	5.79	43	3119719	10.086	ppbv	99
26) Hexane	5.80	57	1444573	9.871	ppbv	98
27) Carbon Disulfide	4.63	76	1720667	9.692	ppbv	99
28) Methyl tert-Butyl Ether	5.13	73	2367461	11.256	ppbv	99
29) Chloroform	5.87	83	2377950	10.172	ppbv	100
30) Cyclohexane	7.26	84	1322823	11.419	ppbv	96
31) cis-1,2-Dichloroethene	5.66	61	1464331	10.791	ppbv	97
32) 1,1,1-Trichloroethane	6.64	97	2369353	9.973	ppbv	98
34) 2-Butanone	5.34	43	2028280	10.257	ppbv	100
35) Carbon Tetrachloride	7.16	117	2558886	9.774	ppbv	100
36) Benzene	7.02	78	3119253	10.413	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1829256	9.956	ppbv	98
38) Trichloroethene	7.98	130	1214827	10.955	ppbv	95
39) 1,2-Dichloropropane	7.76	63	1198842	10.364	ppbv	99
40) 1,4-Dioxane	7.98	88	448234	11.346	ppbv #	97
41) Tetrahydrofuran	6.16	42	1250908	11.352	ppbv	99
42) Bromodichloromethane	7.94	83	2620342	10.179	ppbv	97
43) Methyl Methacrylate	8.16	69	1268047	11.550	ppbv	96

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Instrument :
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 ClientSampleId :
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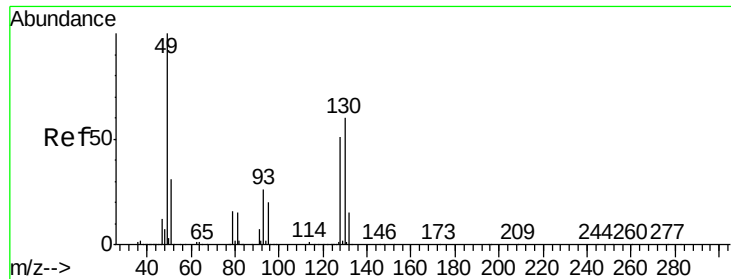
Manual Integrations
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Quant Time: Oct 31 05:27:59 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 2
 QLast Update : Thu Oct 25 05:15:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.01	57	5252063	10.270	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1832199	12.467	ppbv	98
46) cis-1,3-Dichloropropene	8.86	75	1919842	11.434	ppbv	99
47) 1,1,2-Trichloroethane	9.64	97	1385200	10.134	ppbv	98
48) Dibromochloromethane	10.47	129	2222405	9.754	ppbv	100
49) Bromoform	13.22	173	1859799	10.388	ppbv	99
50) 4-Methyl-2-Pentanone	8.89	43	3258003	11.121	ppbv	99
51) 2-Hexanone	10.29	43	2337946	10.735	ppbv #	98
52) Tetrachloroethene	11.40	164	1059519	10.145	ppbv	97
53) Toluene	9.97	91	3946270	11.492	ppbv	100
54) 1,2-Dibromoethane	10.78	107	1919645	10.333	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.30	131	1592800	9.415	ppbv #	61
57) Chlorobenzene	12.32	112	2739188	9.627	ppbv	94
58) Ethyl Benzene	12.88	91	4877281	10.851	ppbv	98
59) m/p-Xylene	13.17	91	8115067m	20.275	ppbv	
60) o-Xylene	13.87	91	3857593	9.991	ppbv	100
61) Styrene	13.71	104	2978128	11.504	ppbv	97
62) Isopropylbenzene	14.85	105	5422171	9.923	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.86	83	2628768	8.690	ppbv	99
64) n-propylbenzene	15.74	120	1381279	10.171	ppbv	95
65) tert-Butylbenzene	16.93	119	4569915	9.820	ppbv	96
66) Benzyl Chloride	17.17	91	2674797	11.132	ppbv	99
67) sec-Butylbenzene	17.48	105	6445635	9.738	ppbv	98
69) p-Isopropyltoluene	17.84	119	5219969	9.952	ppbv	98
70) n-Butylbenzene	18.73	91	5269487	9.759	ppbv	99
71) 2-Chlorotoluene	15.64	91	4025937	10.367	ppbv	98
72) 4-Ethyltoluene	16.02	105	4382206	10.656	ppbv	99
73) 1,3,5-Trimethylbenzene	16.18	105	4100853	10.238	ppbv	100
74) 1,2,4-Trimethylbenzene	16.95	105	4132505	9.661	ppbv #	92
75) 1,3-Dichlorobenzene	17.18	146	2301664	9.358	ppbv	99
76) 1,4-Dichlorobenzene	17.33	146	2260944	9.961	ppbv	98
77) 1,2-Dichlorobenzene	18.01	146	2171188	9.317	ppbv	98
78) Hexachloro-1,3-Butadiene	23.56	225	995839	9.044	ppbv	100
79) Naphthalene	22.44	128	3448831	12.972	ppbv	100
80) Naphthalene, 2-methyl-	25.13	142	1105270	17.096	ppbv	99
81) 1,2,4-Trichlorobenzene	22.16	180	1634490	11.871	ppbv	99

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



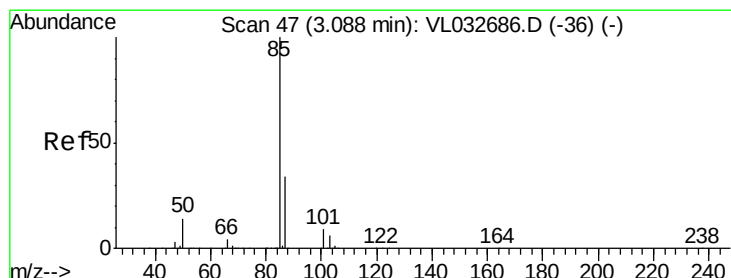
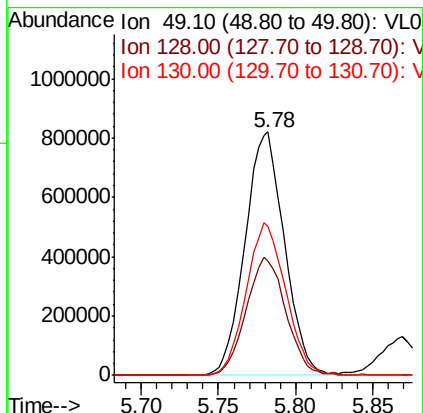
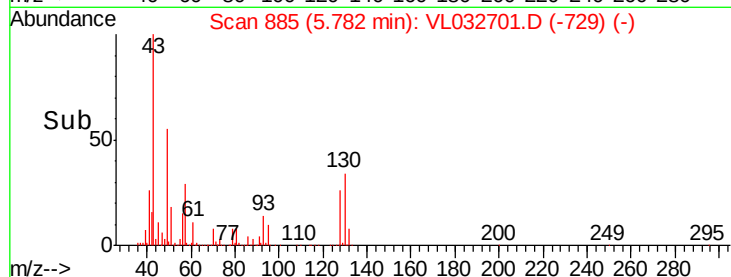
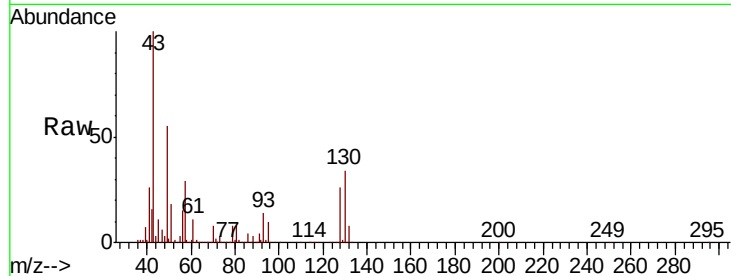
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 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.78 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1030ABS01

Tot Ion: 49 Resp: 1455197
 Ion Ratio Lower Upper
 49 100
 128 49.1 22.3 66.8
 130 63.4 28.4 85.3

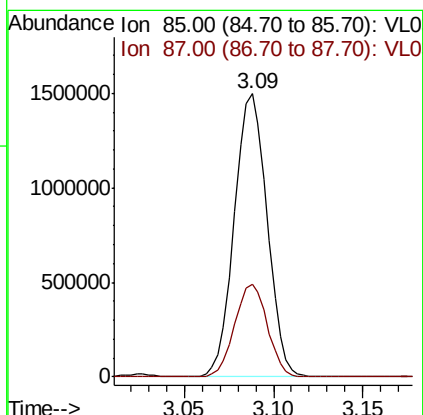
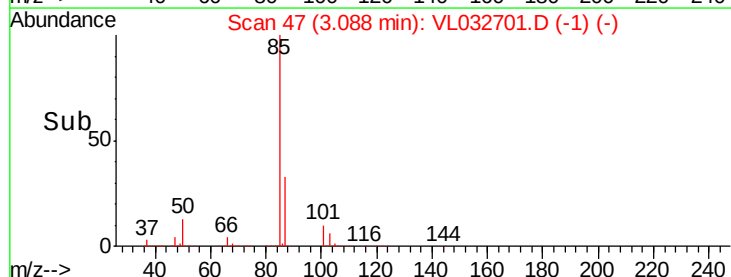
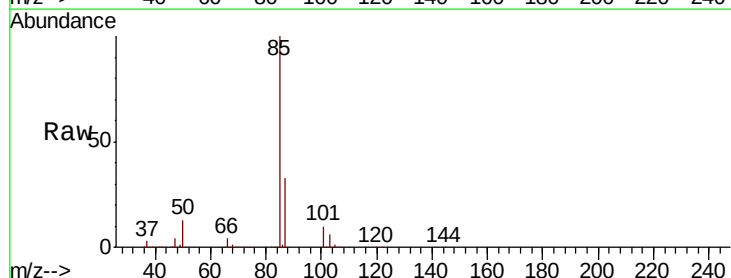
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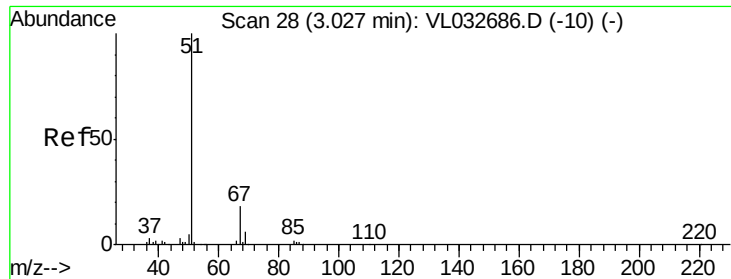
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#2
 Dichlorodifluoromethane
 Concen: 12.890 ppbv
 RT: 3.09 min Scan# 47
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Tgt Ion: 85 Resp: 1911037
 Ion Ratio Lower Upper
 85 100
 87 32.6 26.2 39.2





#3

Chlorodifluoromethane

Concen: 9.736 ppbv

RT: 3.02 min Scan# 27

Delta R.T. -0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABS01

Tot Ion: 51 Resp: 1107942

Ion Ratio Lower Upper

51 100

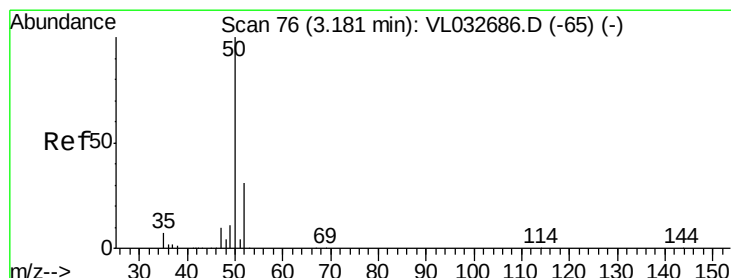
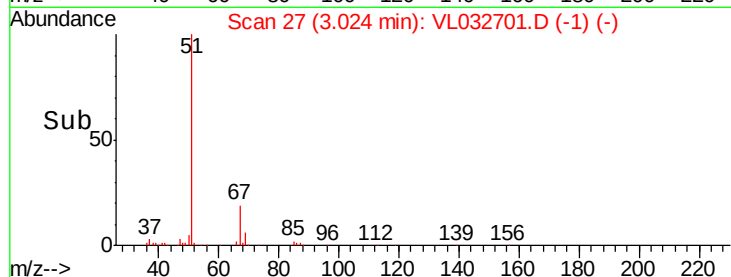
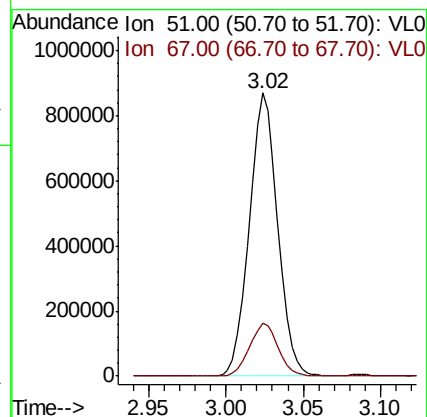
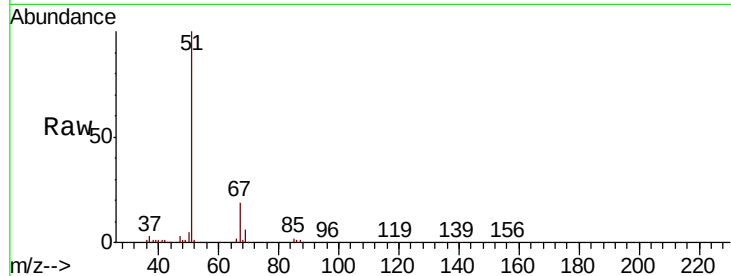
67 18.9 15.2 22.8

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#4

Chloromethane

Concen: 10.225 ppbv

RT: 3.18 min Scan# 76

Delta R.T. 0.00 min

Lab File: VL032701.D

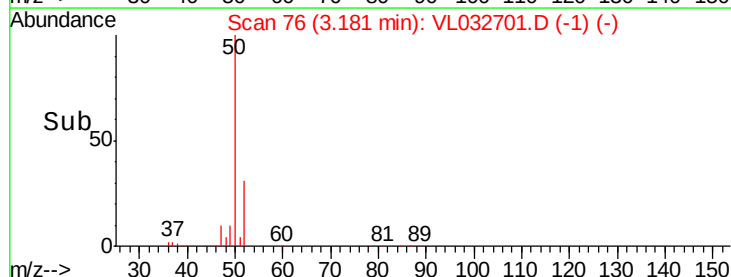
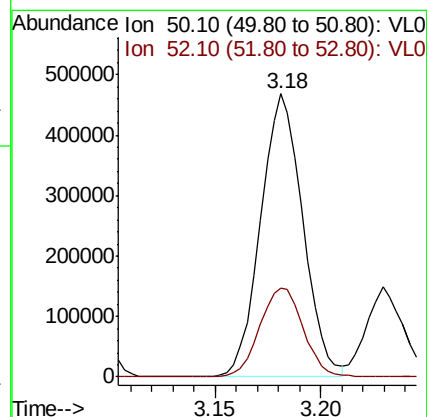
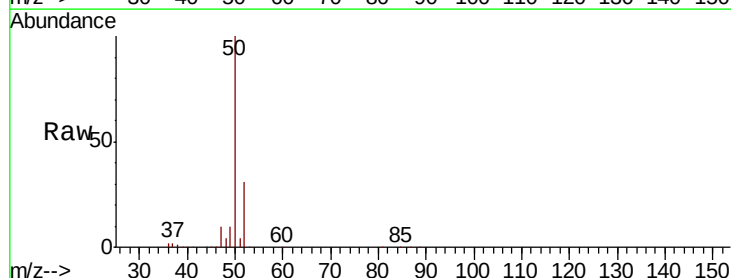
Acq: 30 Oct 2018 16:05

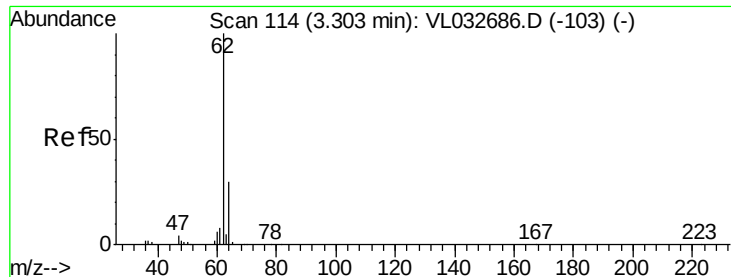
Tgt Ion: 50 Resp: 650298

Ion Ratio Lower Upper

50 100

52 31.5 25.9 38.9





#5

Vinyl Chloride

Concen: 9.364 ppbv

RT: 3.30 min Scan# 114

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABS01

Tot Ion: 62 Resp: 645065

Ion Ratio Lower Upper

62 100

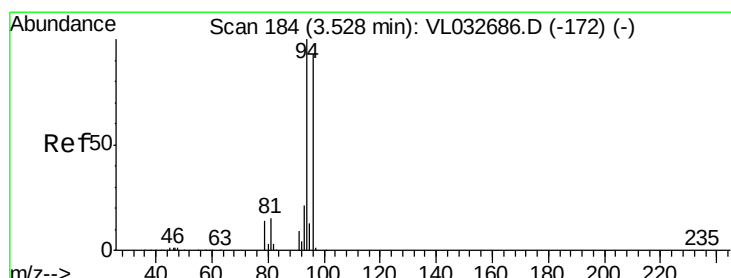
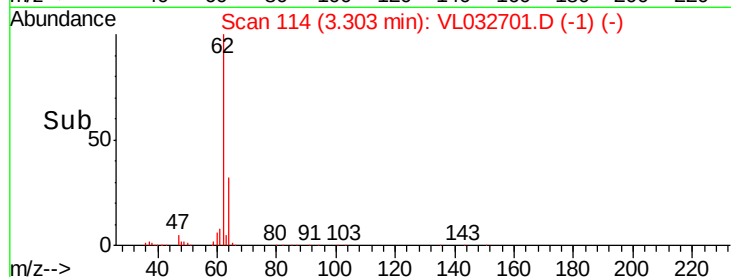
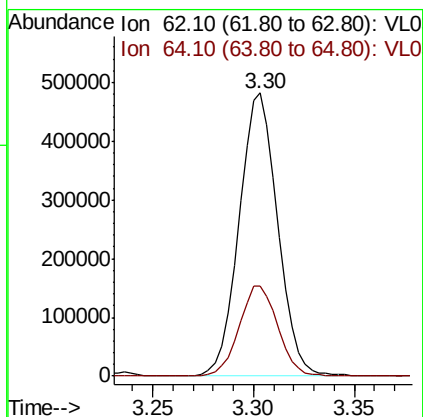
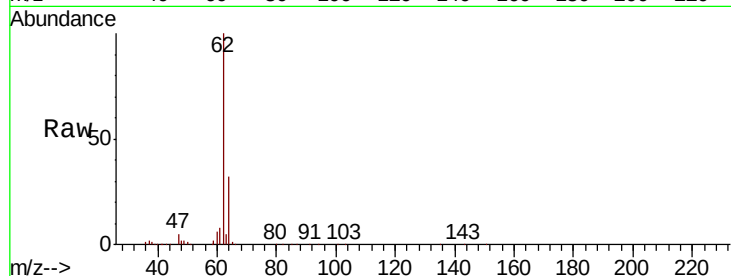
64 31.7 25.5 38.3

Manual Integrations

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#6

Bromomethane

Concen: 9.632 ppbv

RT: 3.53 min Scan# 183

Delta R.T. 0.00 min

Lab File: VL032701.D

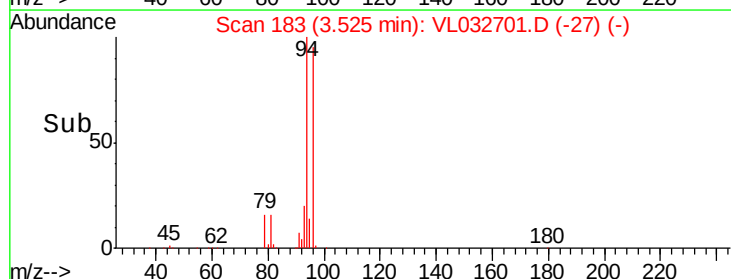
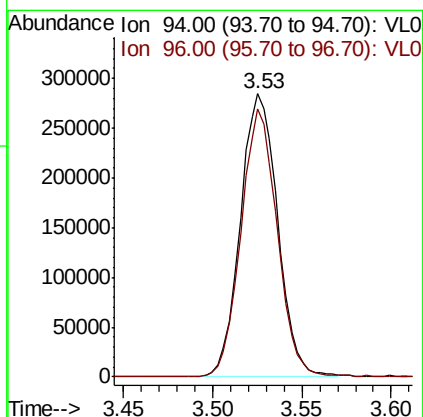
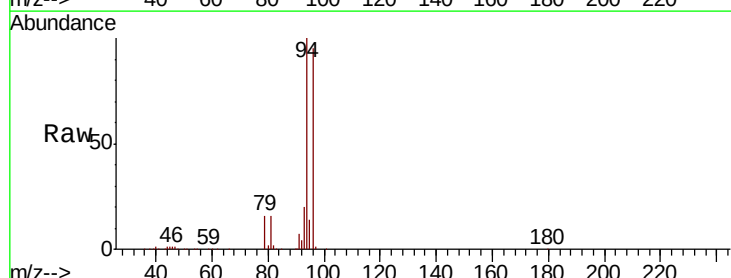
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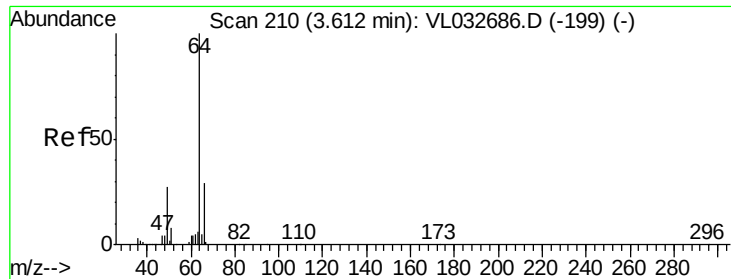
Tgt Ion: 94 Resp: 413710

Ion Ratio Lower Upper

94 100

96 94.6 69.8 104.8





#7

Chloroethane

Concen: 9.646 ppbv

RT: 3.61 min Scan# 210

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABS01

Tot Ion: 64 Resp: 244692

Ion Ratio Lower Upper

64 100

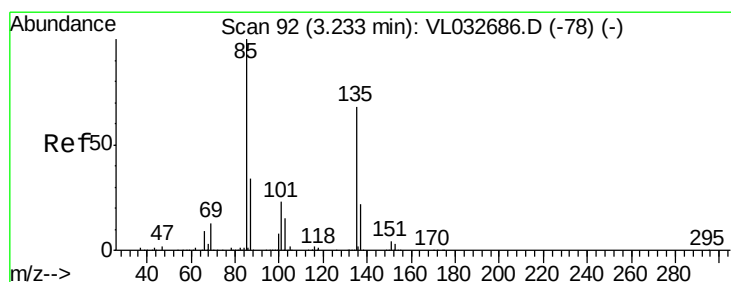
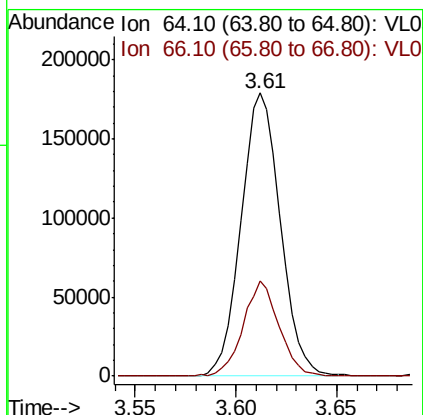
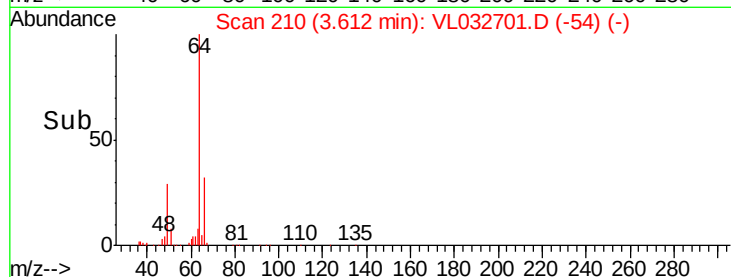
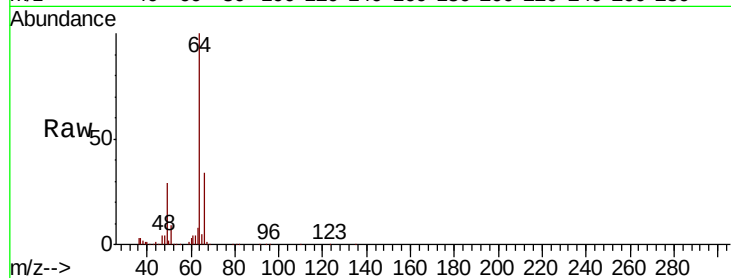
66 33.8 24.4 36.6

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10/31/2018 10:39:59 AM



#8

Dichlorotetrafluoroethane

Concen: 9.733 ppbv

RT: 3.23 min Scan# 91

Delta R.T. -0.00 min

Lab File: VL032701.D

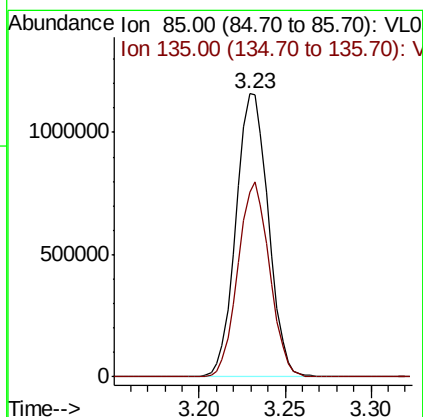
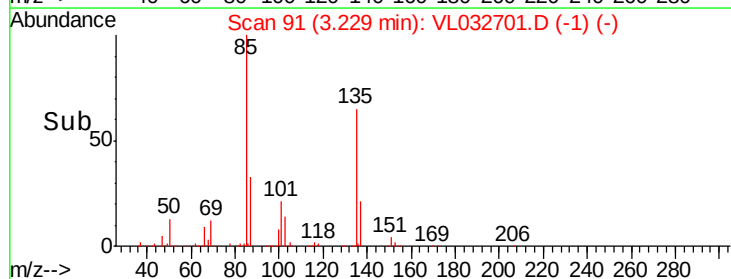
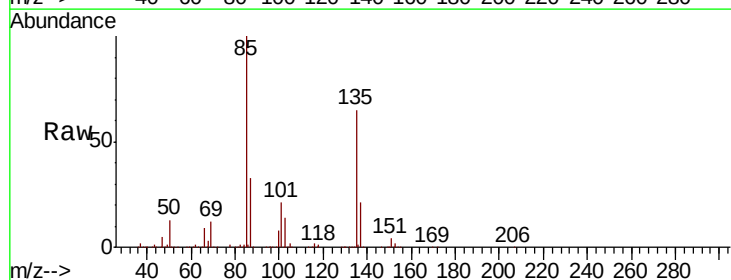
Acq: 30 Oct 2018 16:05

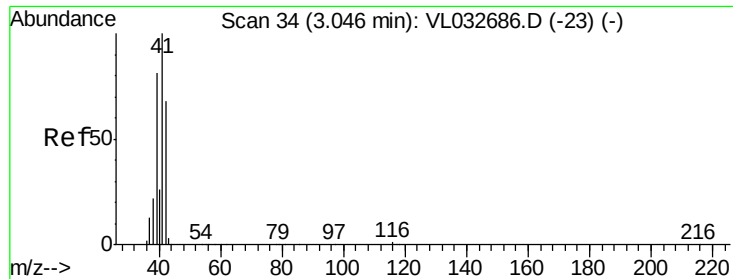
Tgt Ion: 85 Resp: 1520909

Ion Ratio Lower Upper

85 100

135 67.4 49.0 73.4





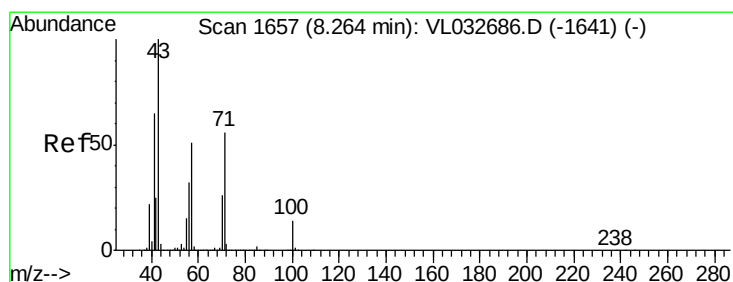
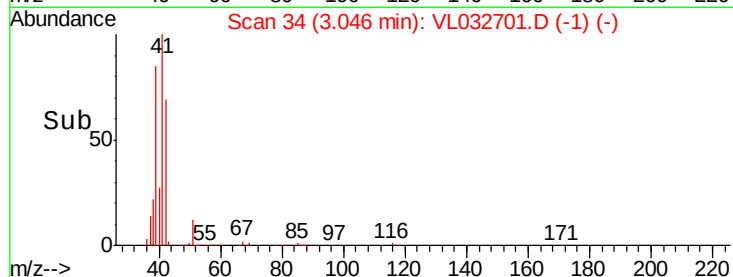
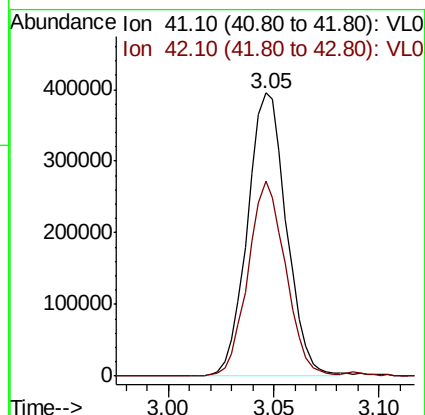
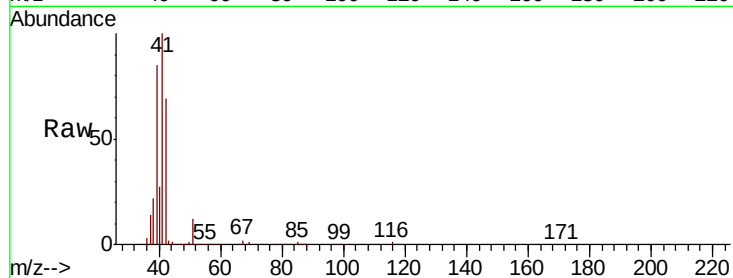
#9
 Propene
 Concen: 10.851 ppbv
 RT: 3.05 min Scan# 34
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1030ABS01

Tot Ion: 41 Resp: 508168
 Ion Ratio Lower Upper
 41 100
 42 67.8 55.4 83.0

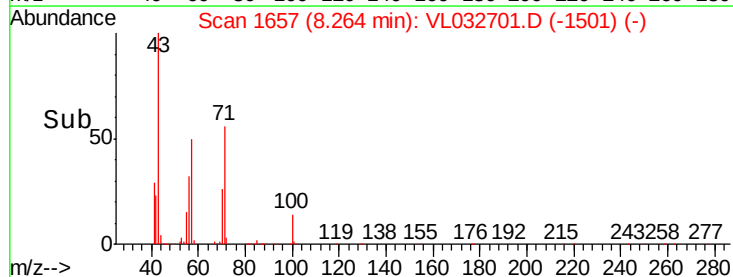
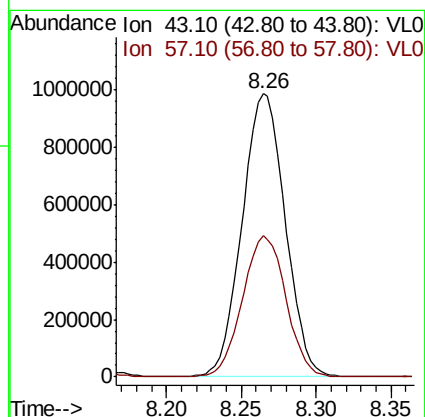
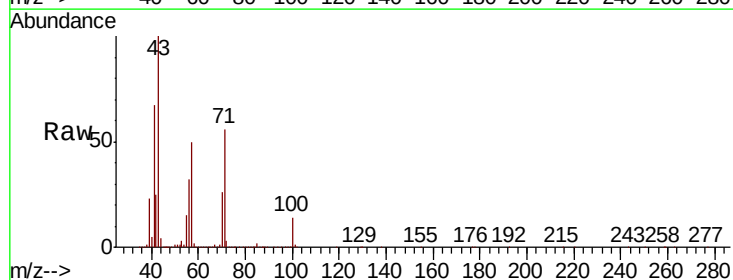
Manual Integrations
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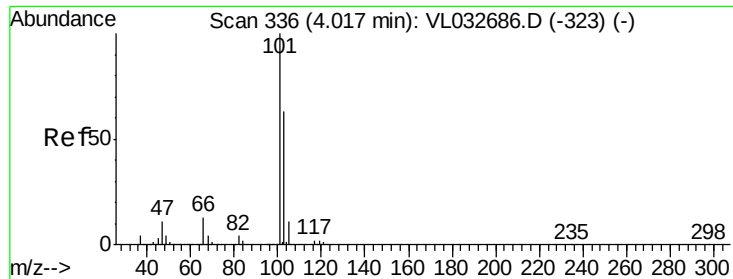
MMDadoda
 10/31/2018 10:39:59 AM



#10
 Heptane
 Concen: 10.892 ppbv
 RT: 8.26 min Scan# 1657
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Tgt Ion: 43 Resp: 1965838
 Ion Ratio Lower Upper
 43 100
 57 50.6 41.5 62.3





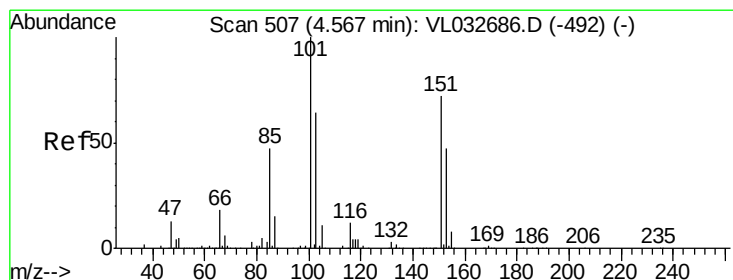
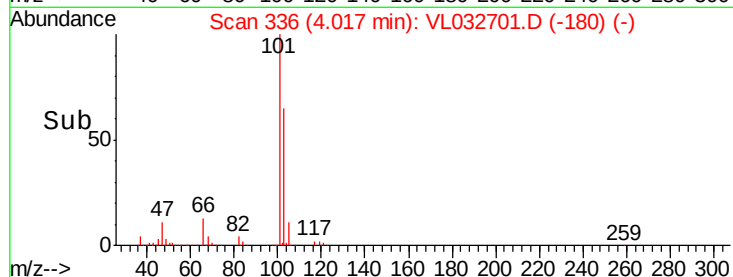
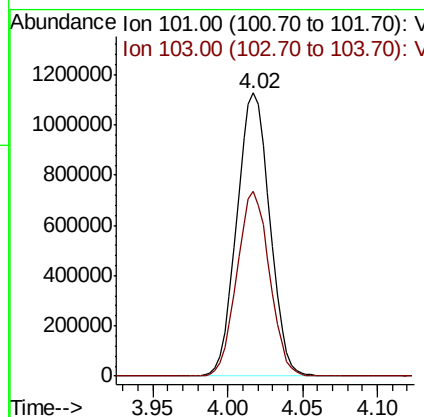
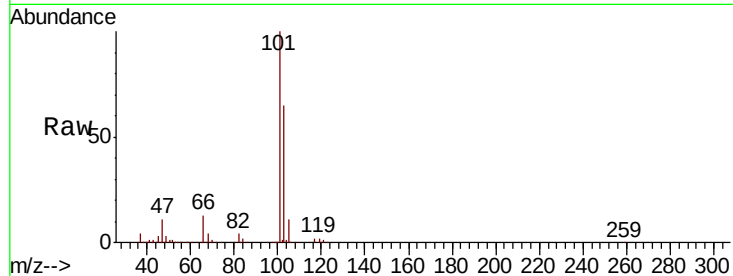
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 Trichlorofluoromethane
 Concen: 8.946 ppbv
 RT: 4.02 min Scan# 336
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1030ABS01

Tot Ion:101 Resp: 1732527
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.4 77.2

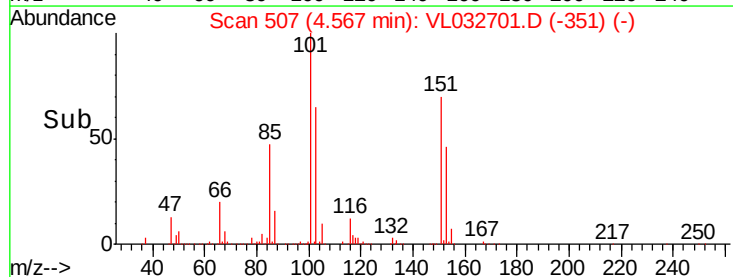
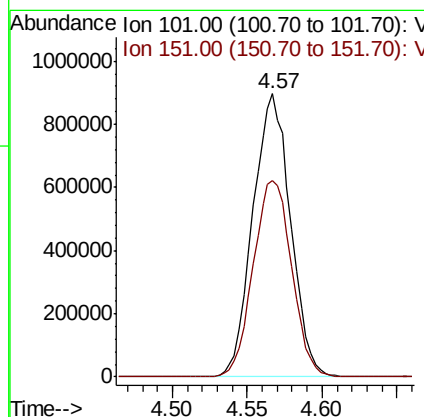
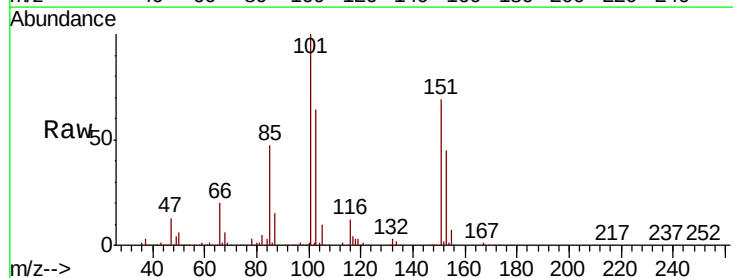
Manual Integrations
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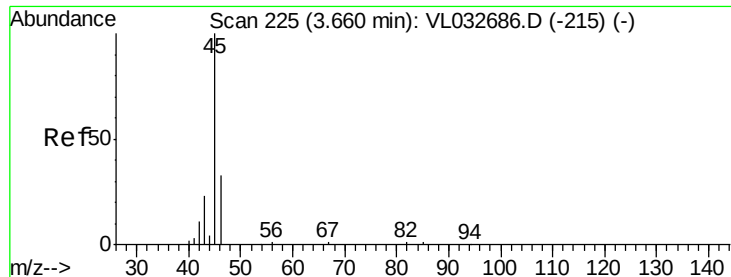
MMDadoda
 10/31/2018 10:39:59 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.731 ppbv
 RT: 4.57 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Tgt Ion:101 Resp: 1567287
 Ion Ratio Lower Upper
 101 100
 151 71.1 52.3 78.5





#13

Ethanol

Concen: 9.374 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABS01

Tot Ion: 45 Resp: 125479

Ion Ratio Lower Upper

45 100

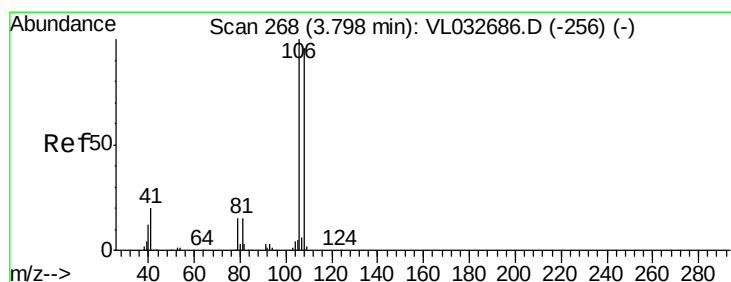
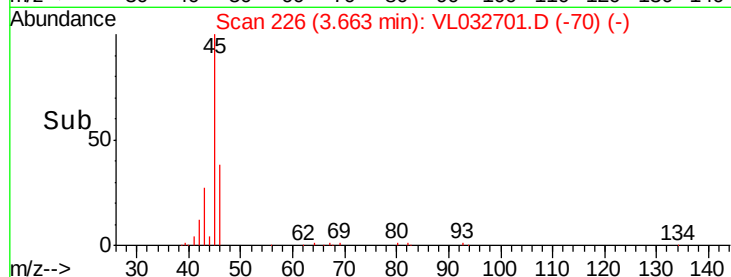
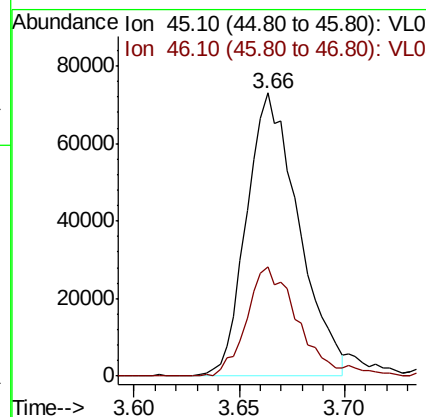
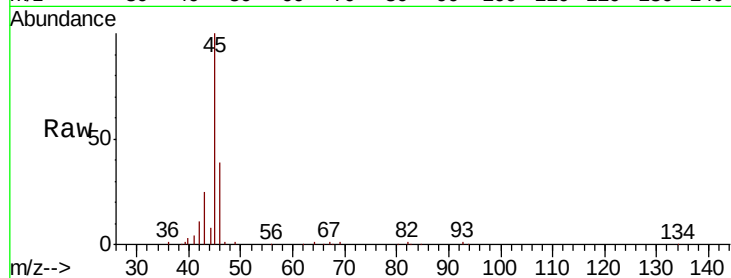
46 38.5 15.4 61.8

Manual Integrations

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#14

Bromoethene

Concen: 9.810 ppbv

RT: 3.80 min Scan# 268

Delta R.T. -0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

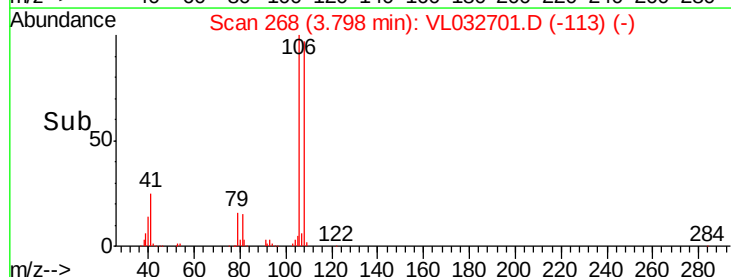
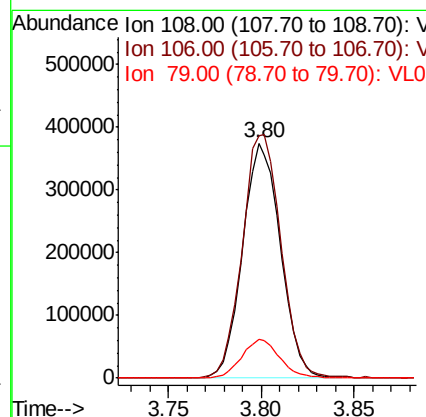
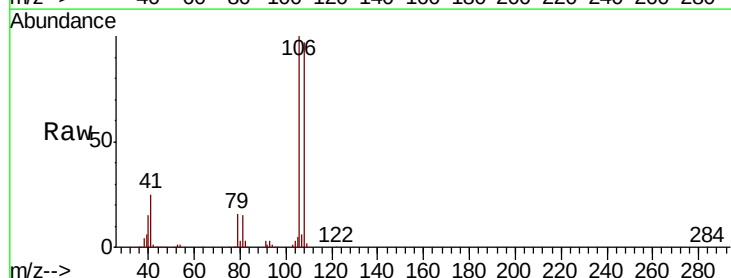
Tgt Ion: 108 Resp: 533946

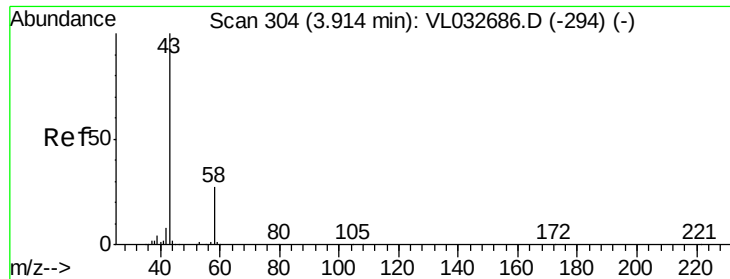
Ion Ratio Lower Upper

108 100

106 106.5 85.0 127.4

79 16.8 13.7 20.5





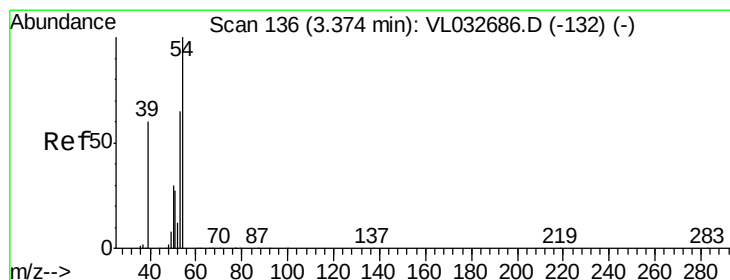
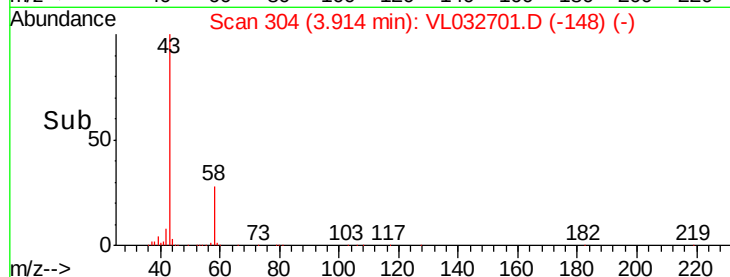
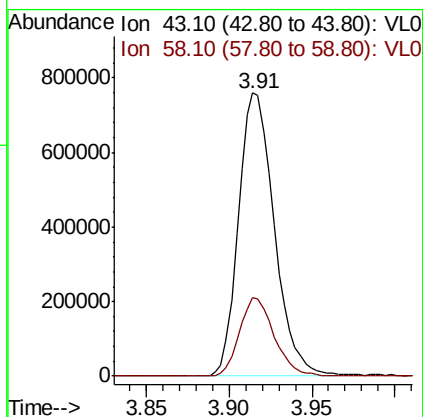
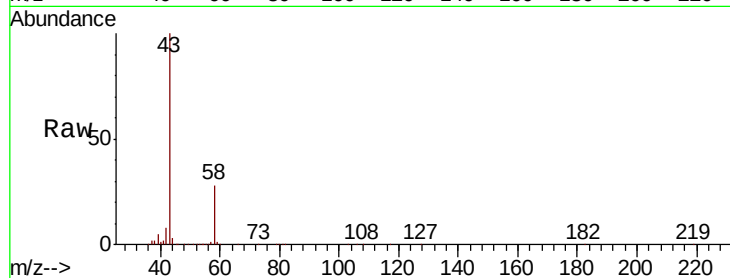
#15
Acetone
Concen: 8.495 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1030ABS01

Tot Ion: 43 Resp: 1141565
Ion Ratio Lower Upper
43 100
58 27.1 22.1 33.1

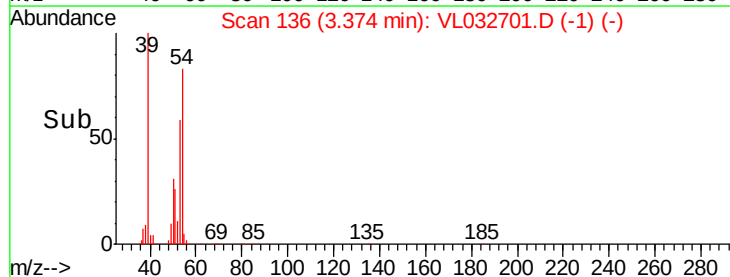
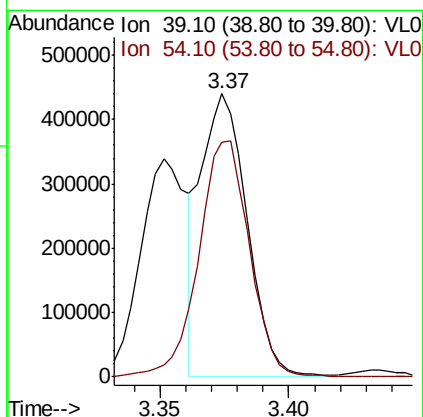
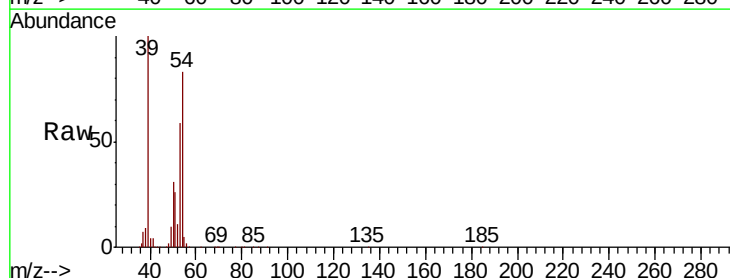
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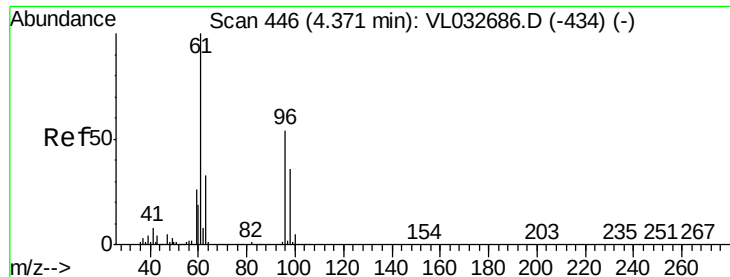
MMDadoda
10/31/2018 10:39:59 AM



#16
1,3-Butadiene
Concen: 11.011 ppbv
RT: 3.37 min Scan# 136
Delta R.T. -0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Tgt Ion: 39 Resp: 544298
Ion Ratio Lower Upper
39 100
54 92.6 90.4 135.6





#17

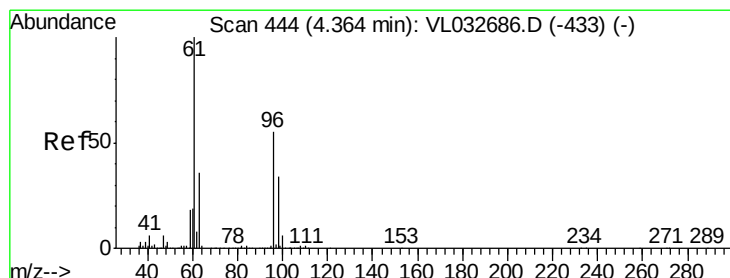
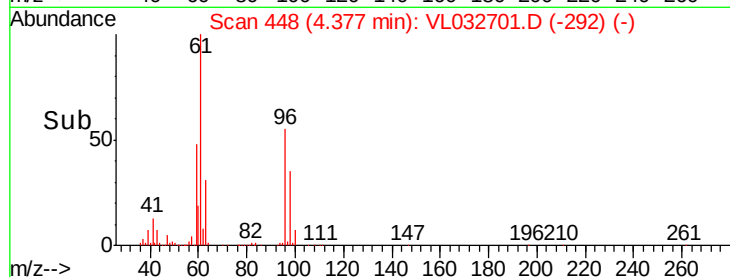
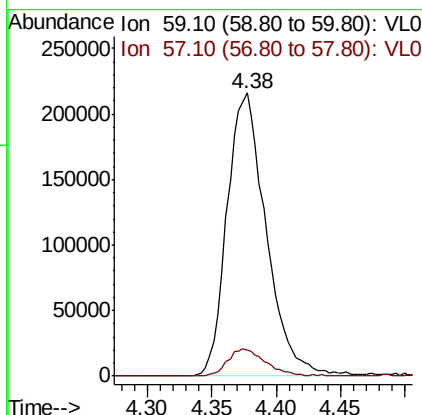
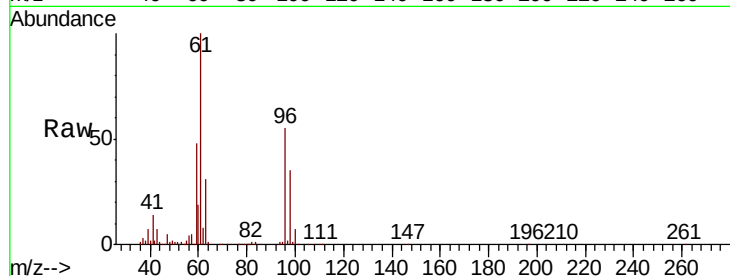
tert-Butyl alcohol
 Concen: 11.455 ppbv
 RT: 4.38 min Scan# 448
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1030ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.5	0.0	0.0#

Manual Integrations
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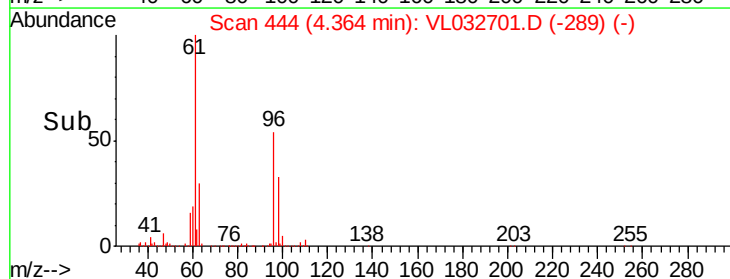
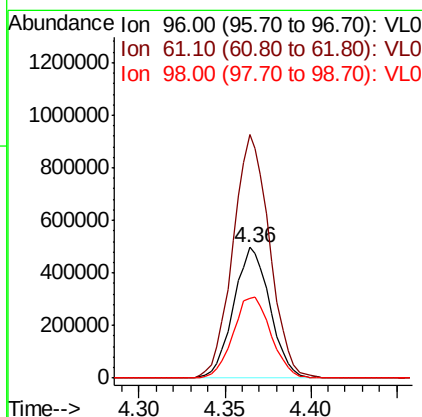
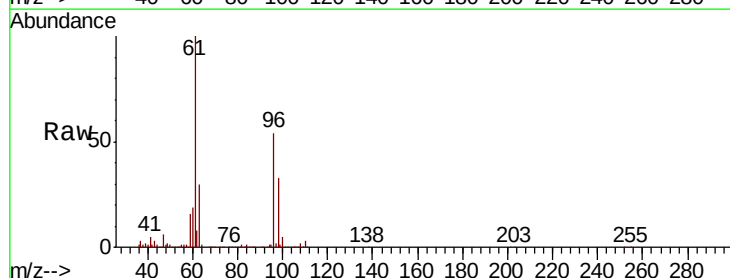
MMDadoda
 10/31/2018 10:39:59 AM

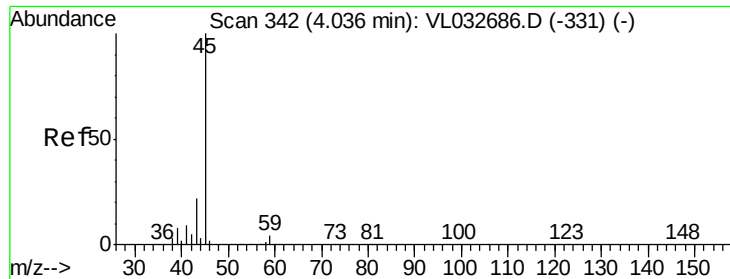


#18

1,1-Dichloroethene
 Concen: 10.374 ppbv
 RT: 4.36 min Scan# 444
 Delta R.T. -0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.2	151.6	227.4
98	61.1	50.6	75.8





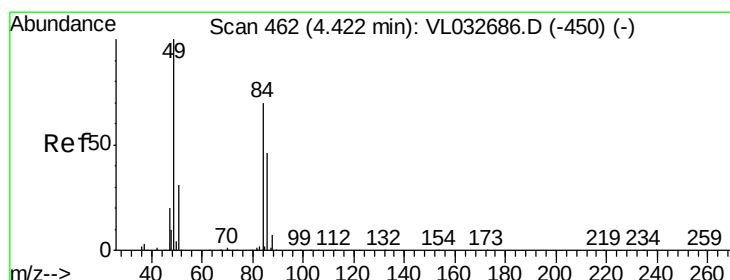
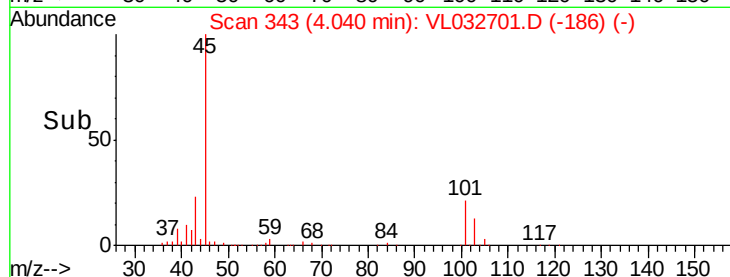
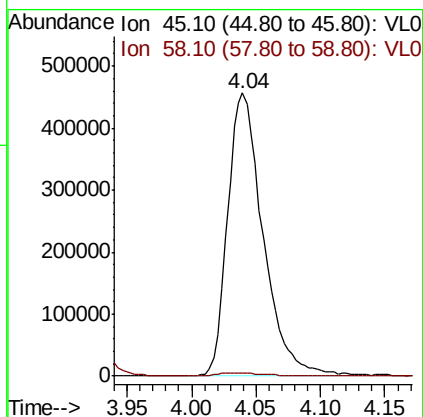
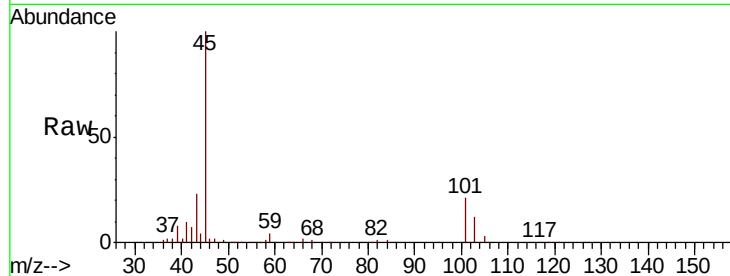
#19
Isopropyl Alcohol
Concen: 9.095 ppbv
RT: 4.04 min Scan# 343
Delta R.T. 0.01 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Instrument :
MSVOA_L
ClientSampleID :
VL1030ABS01

Tot Ion: 45 Resp: 870408
Ion Ratio Lower Upper
45 100
58 1.3 2.0 3.0#

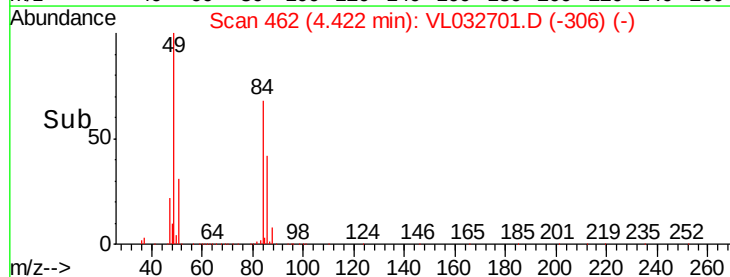
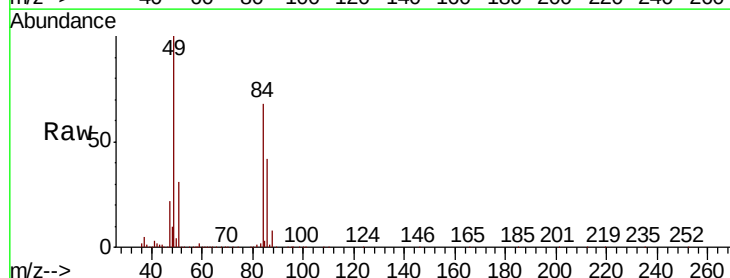
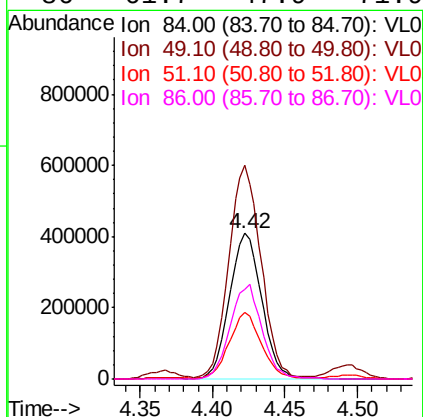
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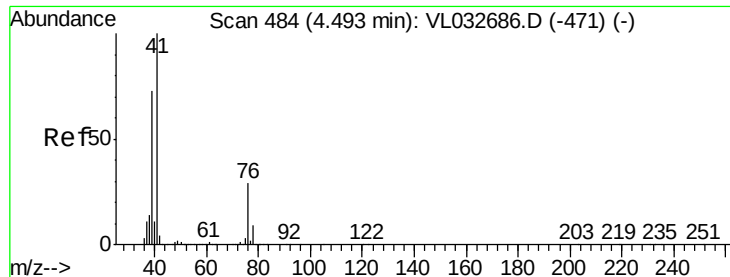
MMDadoda
10/31/2018 10:39:59 AM



#20
Methylene Chloride
Concen: 9.211 ppbv
RT: 4.42 min Scan# 462
Delta R.T. 0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Tgt Ion: 84 Resp: 628311
Ion Ratio Lower Upper
84 100
49 145.6 113.5 170.3
51 45.1 34.8 52.2
86 61.7 47.9 71.9





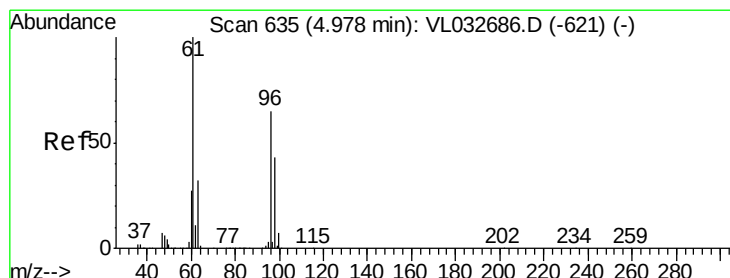
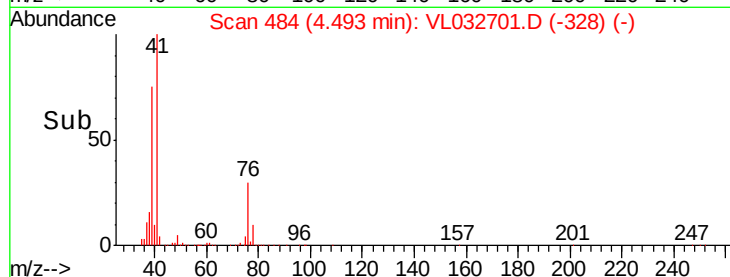
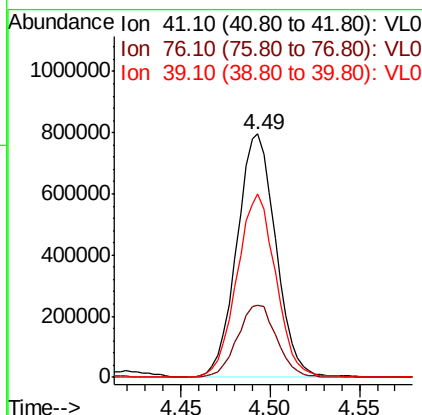
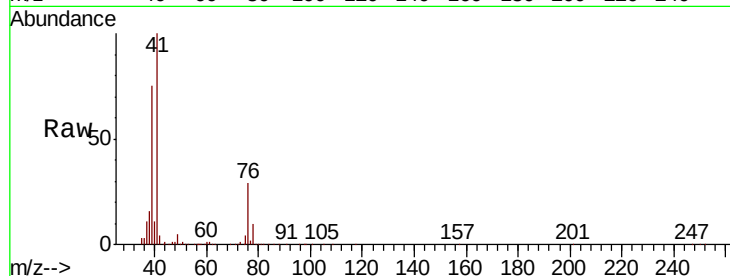
#21
Allvl Chloride
Concen: 10.880 ppbv
RT: 4.49 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1030ABS01

Tot Ion: 41 Resp: 1200374
Ion Ratio Lower Upper
41 100
76 30.2 24.3 36.5
39 75.5 60.3 90.5

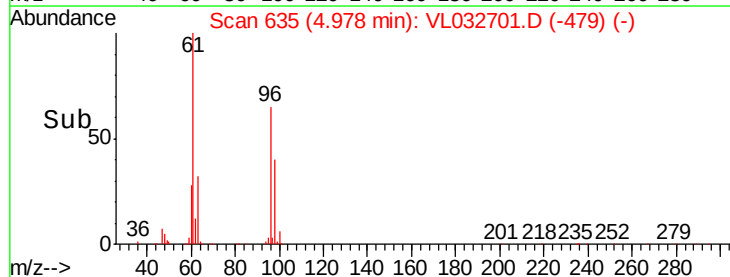
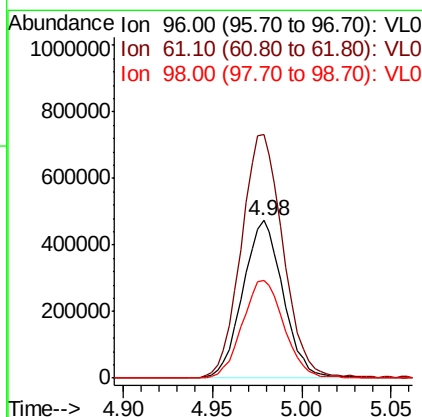
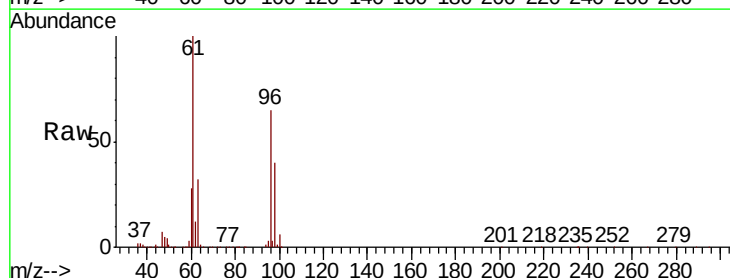
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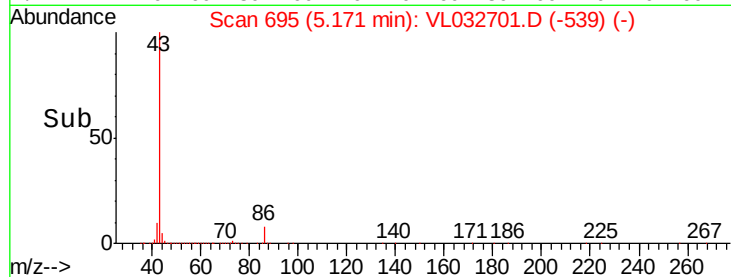
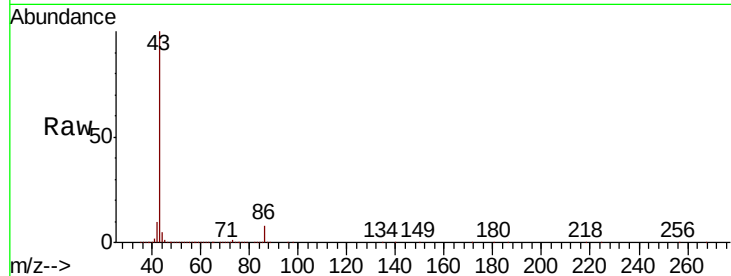
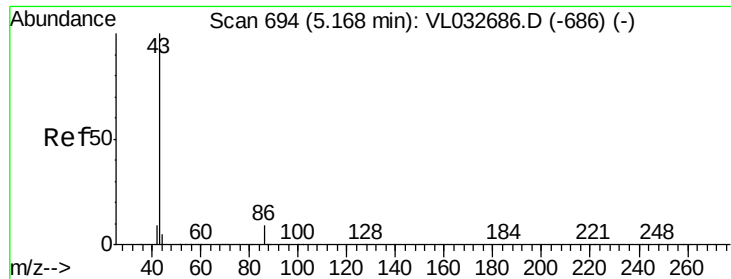
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 10.290 ppbv
RT: 4.98 min Scan# 635
Delta R.T. 0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Tgt Ion: 96 Resp: 746744
Ion Ratio Lower Upper
96 100
61 154.8 140.4 210.6
98 62.0 55.0 82.6





#23

Vinyl Acetate

Concen: 10.761 ppbv

RT: 5.17 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Tot Ion: 43 Resp: 2562309

Ion Ratio Lower Upper

43 100

86 7.8 6.1 9.1

42 9.5 7.4 11.2

44 5.3 4.2 6.2

Instrument :

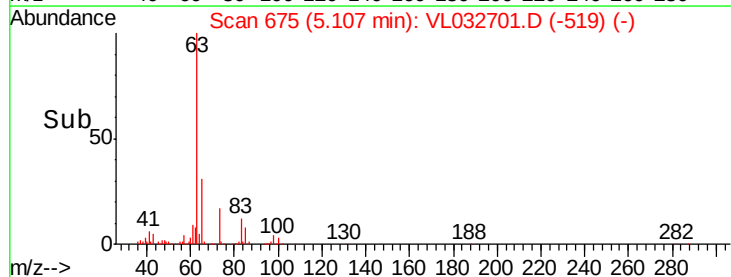
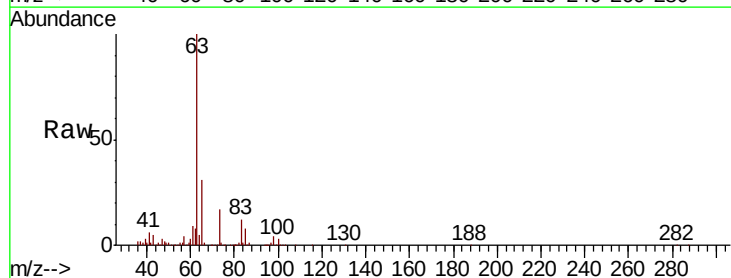
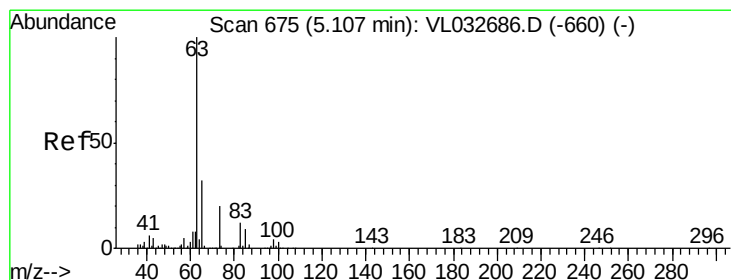
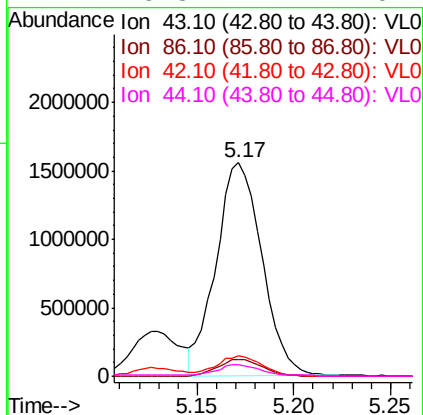
MSVOA_L

ClientSampleId :

VL1030ABS01

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#24

1,1-Dichloroethane

Concen: 10.314 ppbv

RT: 5.11 min Scan# 675

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

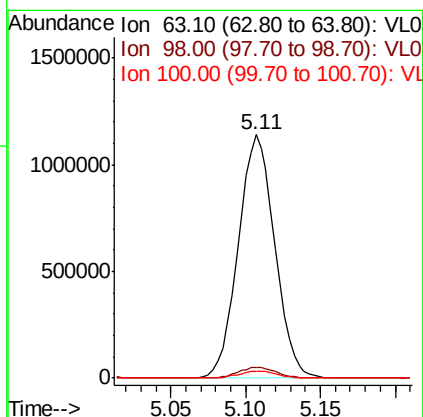
Tgt Ion: 63 Resp: 1927962

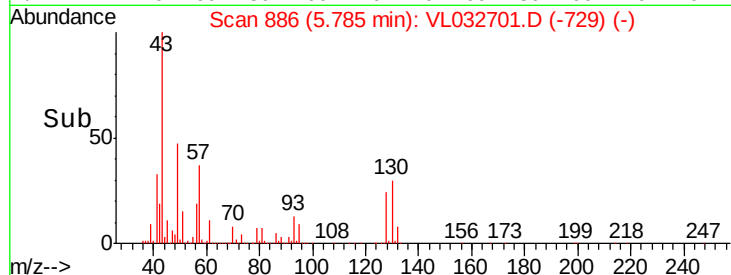
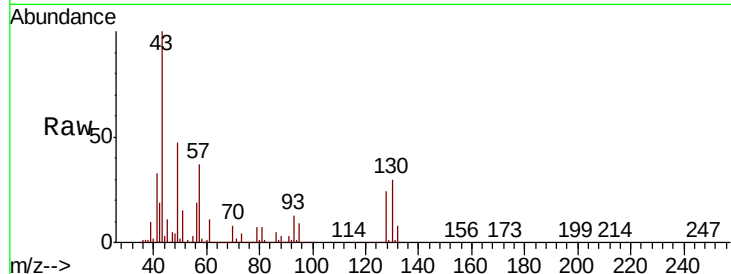
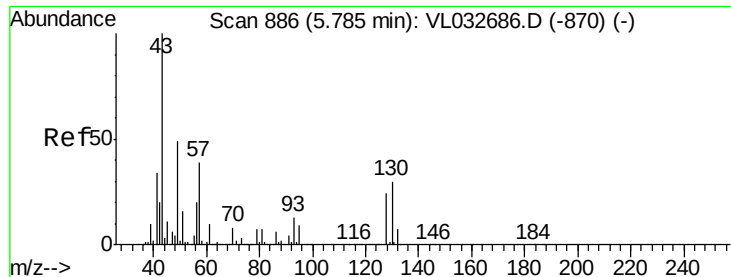
Ion Ratio Lower Upper

63 100

98 4.3 2.1 6.3

100 2.6 1.2 3.6





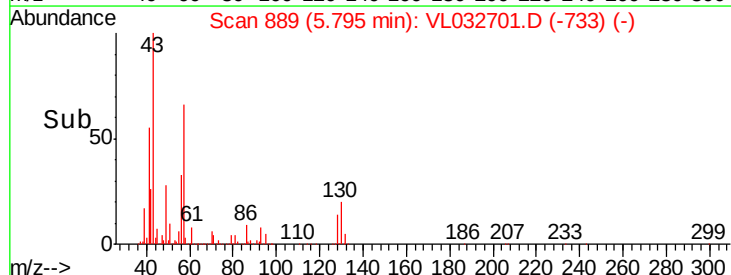
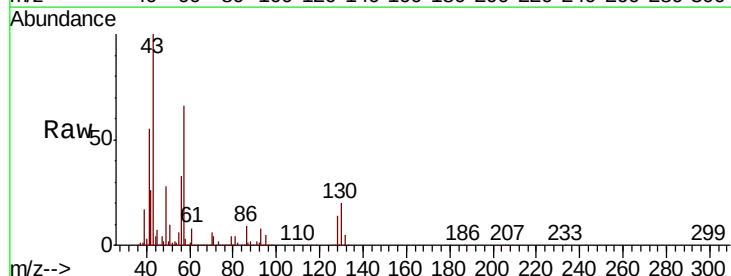
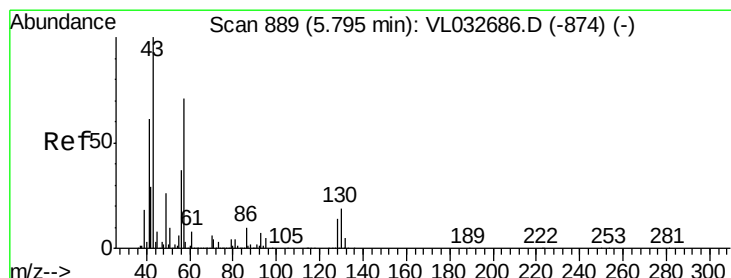
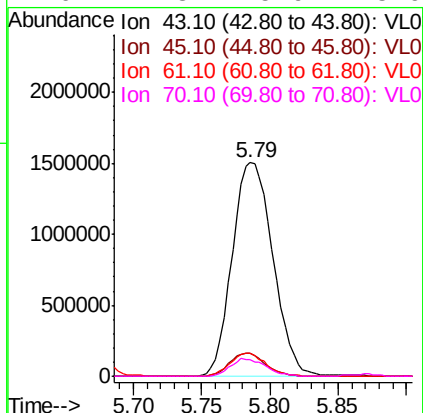
#25
Ethyl Acetate
Concen: 10.086 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
45	45	9.8	8.0	12.0
61	61	9.4	8.0	12.0
70	70	7.3	5.9	8.9

Instrument :
MSVOA_L
ClientSampleId :
VL1030ABS01

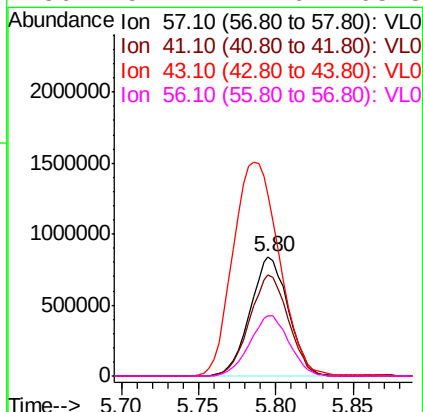
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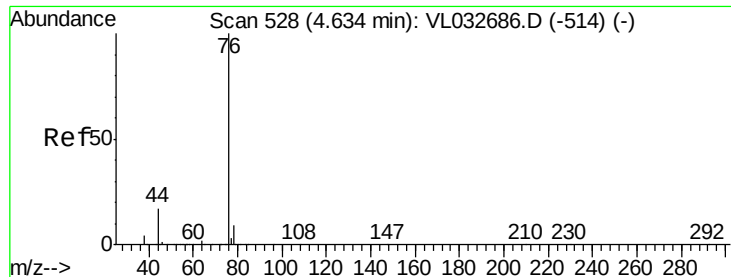
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#26
Hexane
Concen: 9.871 ppbv
RT: 5.80 min Scan# 889
Delta R.T. 0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Tgt Ion	Ion	Ratio	Lower	Upper
57	57	100		
41	41	86.3	67.4	101.0
43	43	217.2	171.9	257.9
56	56	52.2	42.6	63.8





#27

Carbon Disulfide

Concen: 9.692 ppbv

RT: 4.63 min Scan# 528

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABS01

Tot Ion: 76 Resp: 1720667

Ion Ratio Lower Upper

76 100

44 17.8 13.7 20.5

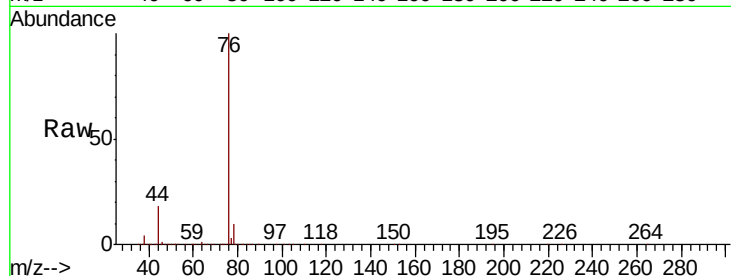
78 9.6 7.4 11.2

Manual Integrations

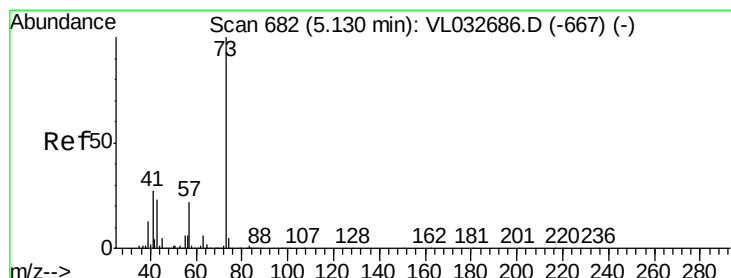
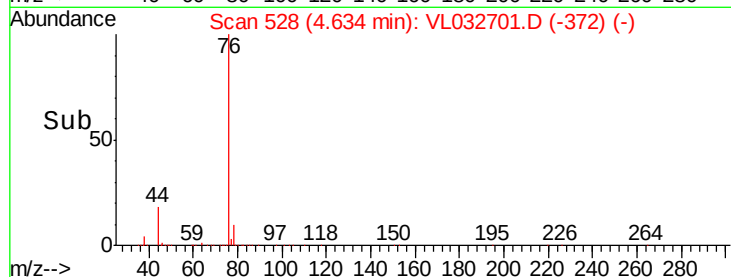
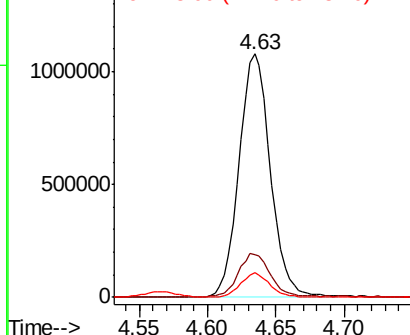
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.256 ppbv

RT: 5.13 min Scan# 682

Delta R.T. 0.00 min

Lab File: VL032701.D

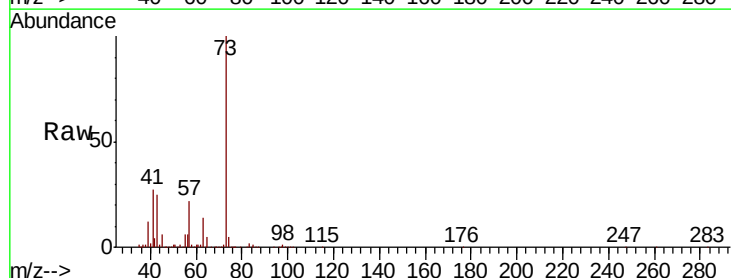
Acq: 30 Oct 2018 16:05

Tgt Ion: 73 Resp: 2367461

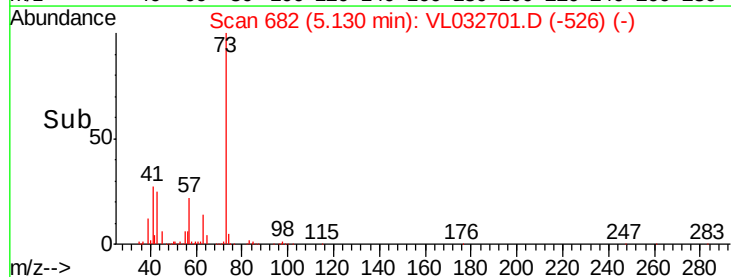
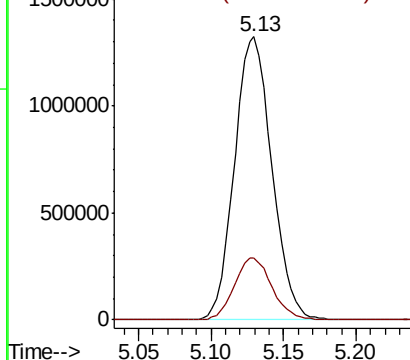
Ion Ratio Lower Upper

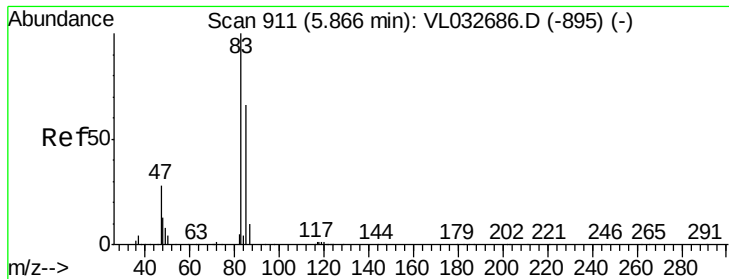
73 100

57 22.3 18.0 27.0



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





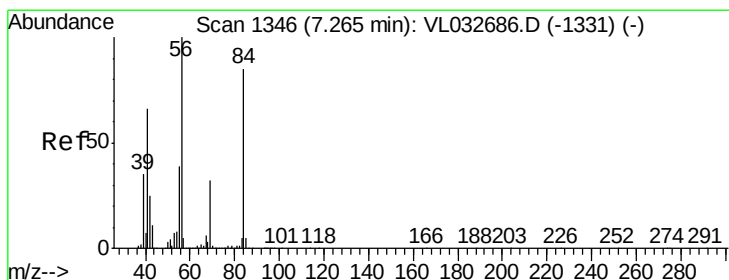
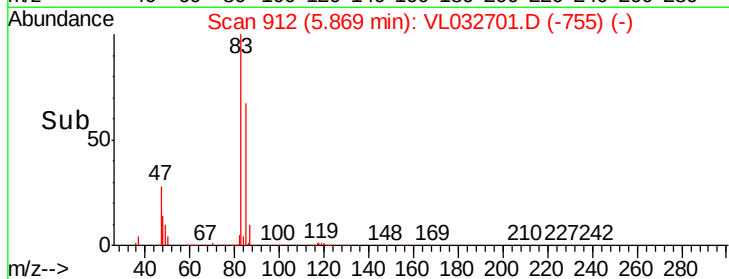
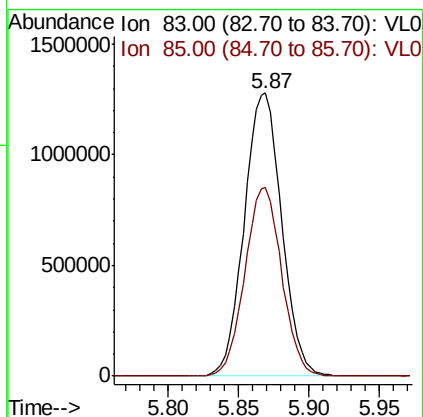
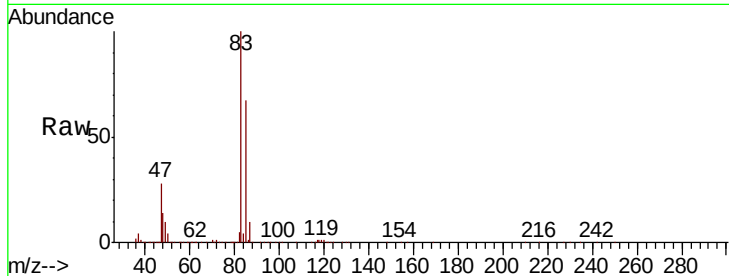
#29
Chloroform
Concen: 10.172 ppbv
RT: 5.87 min Scan# 912
Delta R.T. 0.01 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1030ABS01

Tot Ion: 83 Resp: 2377950
Ion Ratio Lower Upper
83 100
85 66.5 53.0 79.6

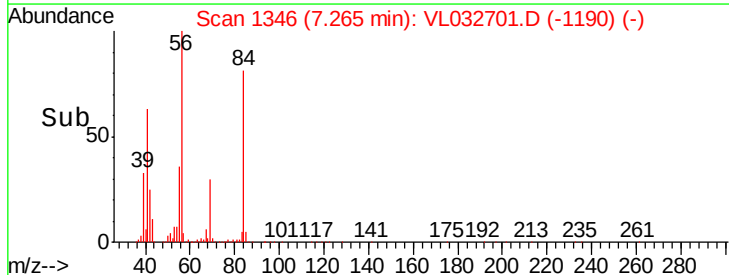
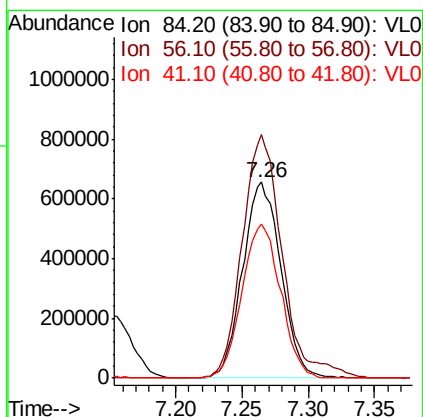
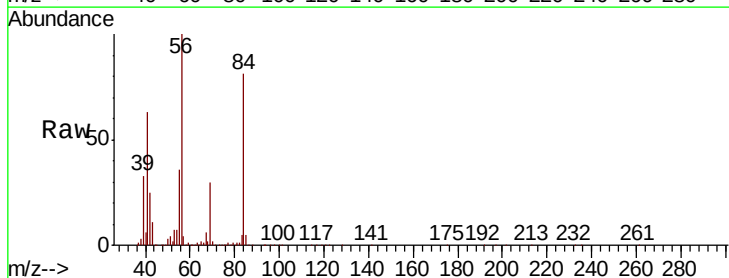
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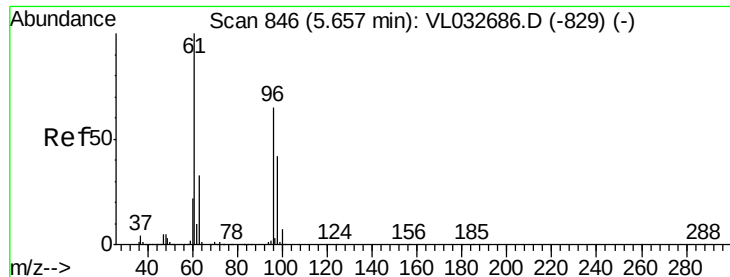
MMDadoda
10/31/2018 10:39:59 AM



#30
Cyclohexane
Concen: 11.419 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Tgt Ion: 84 Resp: 1322823
Ion Ratio Lower Upper
84 100
56 129.9 108.3 162.5
41 79.2 64.8 97.2





#31

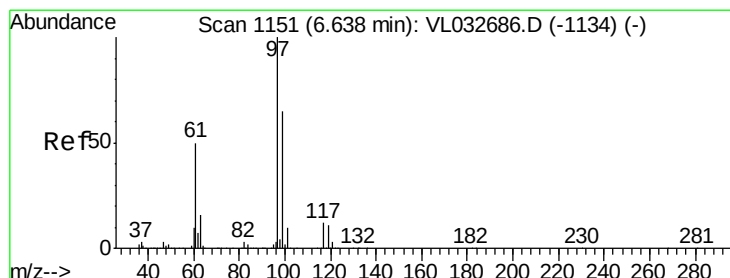
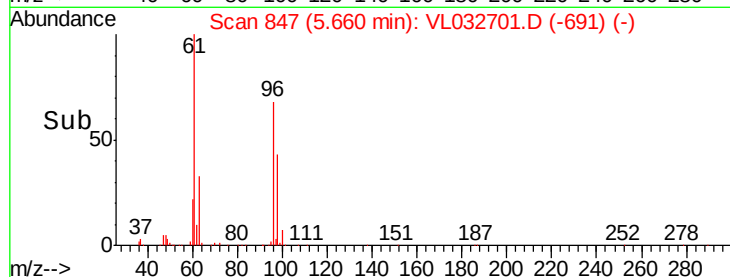
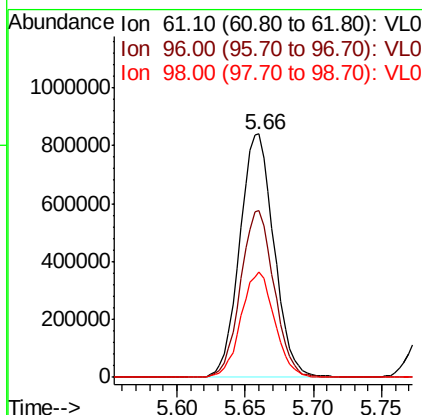
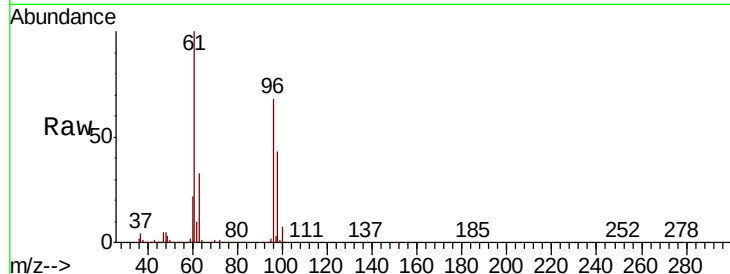
cis-1,2-Dichloroethene
Concen: 10.791 ppbv
RT: 5.66 min Scan# 847
Delta R.T. 0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1030ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	68.2	51.8	77.6
98	43.1	33.8	50.6

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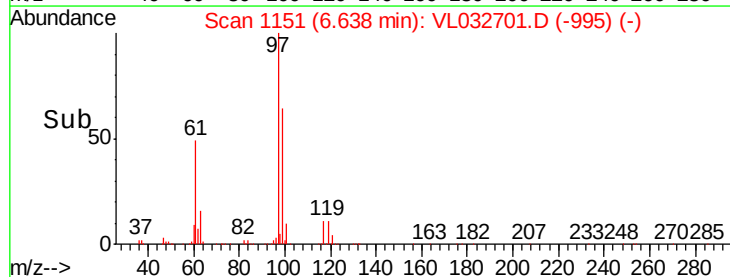
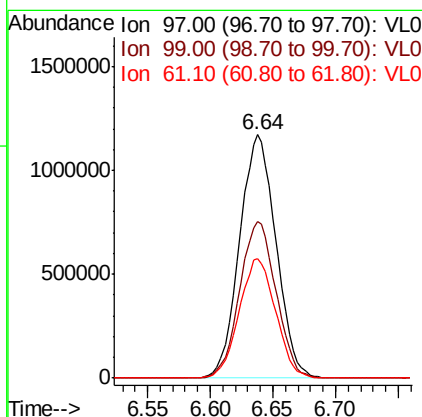
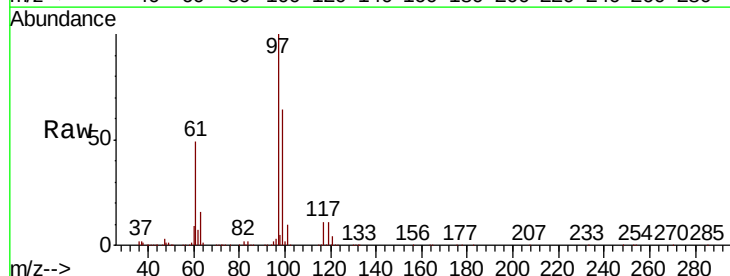
MMDadoda
10/31/2018 10:39:59 AM

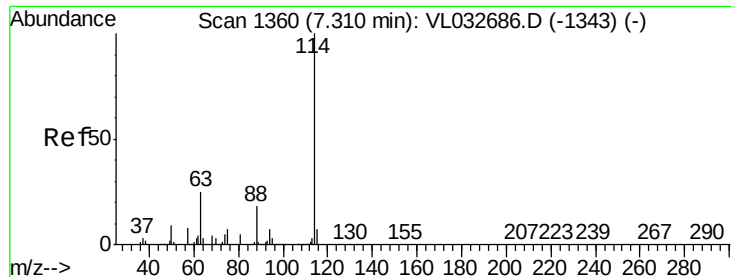


#32

1,1,1-Trichloroethane
Concen: 9.973 ppbv
RT: 6.64 min Scan# 1151
Delta R.T. 0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	52.0	78.0
61	49.0	40.7	61.1





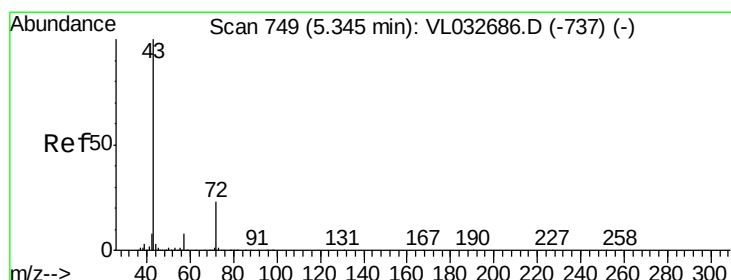
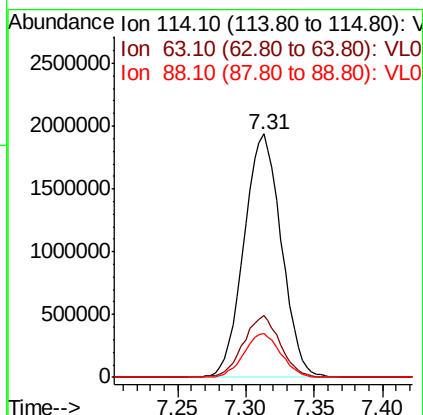
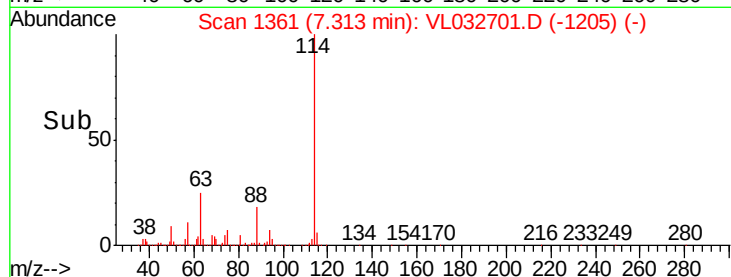
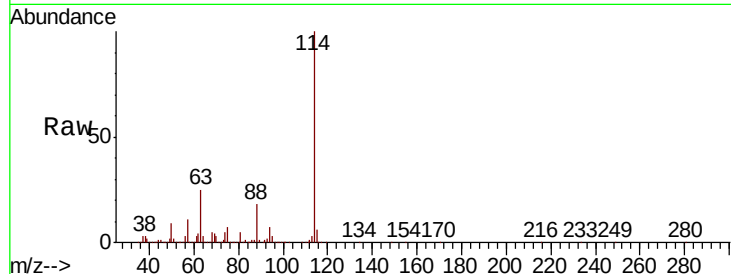
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.31 min Scan# 1361
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1030ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.2	21.7	32.5
88	17.8	14.9	22.3

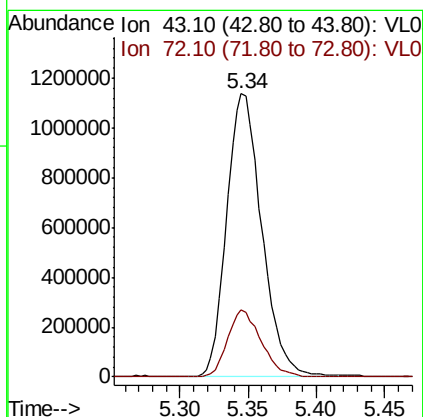
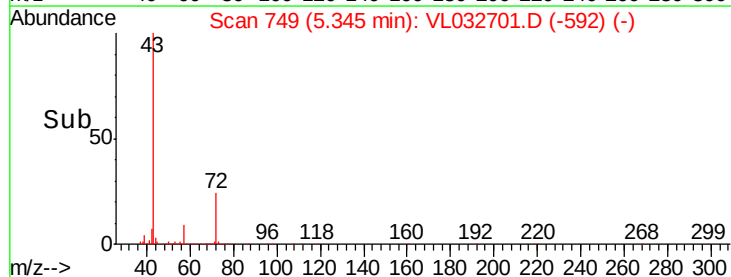
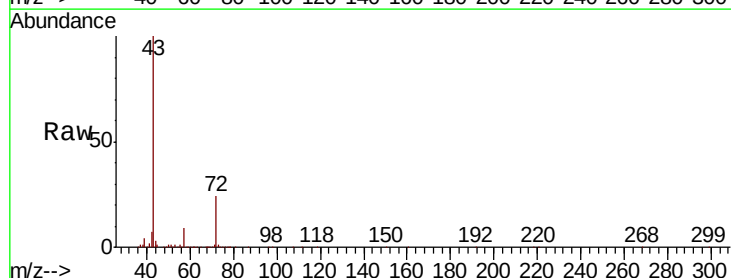
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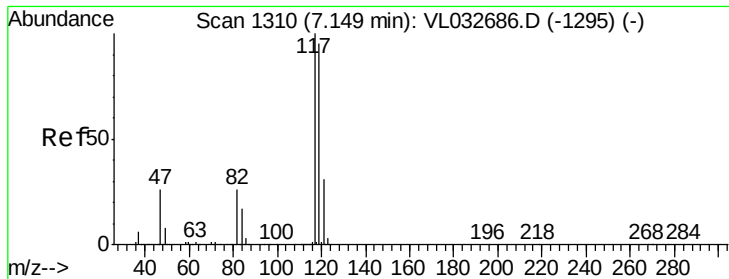
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#34
 2-Butanone
 Concen: 10.257 ppbv
 RT: 5.34 min Scan# 749
 Delta R.T. 0.01 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.0	18.6	27.8





#35

Carbon Tetrachloride

Concen: 9.774 ppbv

RT: 7.16 min Scan# 1312

Delta R.T. 0.01 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABS01

Tot Ion:117 Resp: 2558886

Ion Ratio Lower Upper

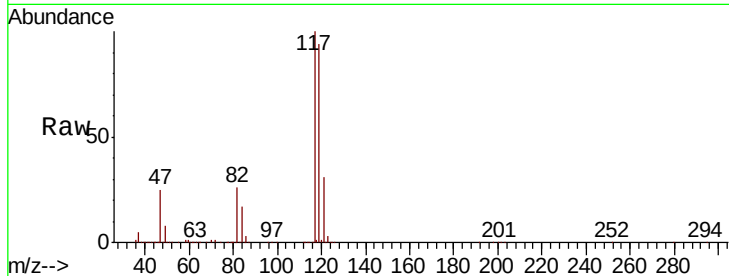
117 100

119 94.4 75.7 113.5

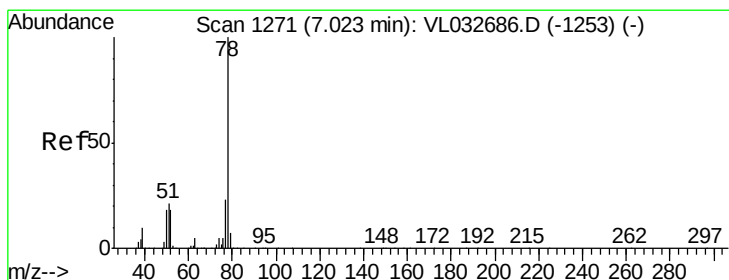
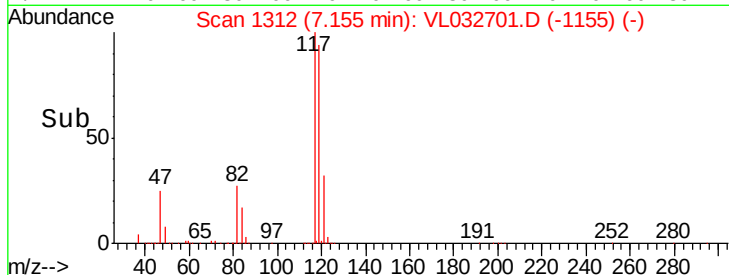
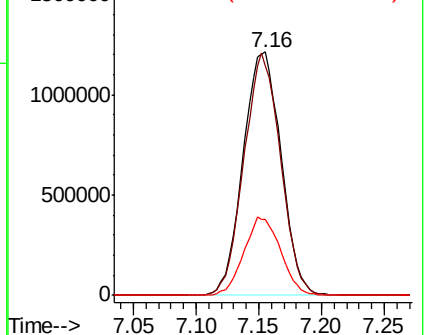
121 31.4 24.7 37.1

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MMDadoda
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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: 10.413 ppbv

RT: 7.02 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

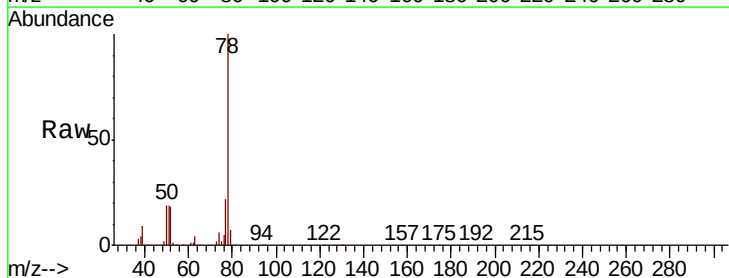
Tgt Ion: 78 Resp: 3119253

Ion Ratio Lower Upper

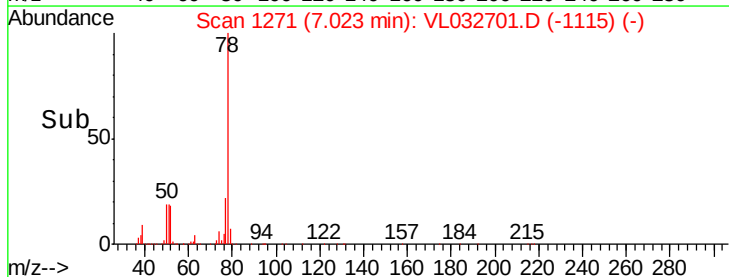
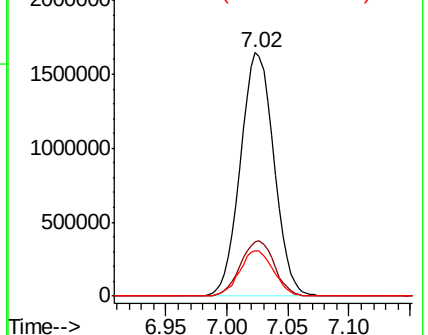
78 100

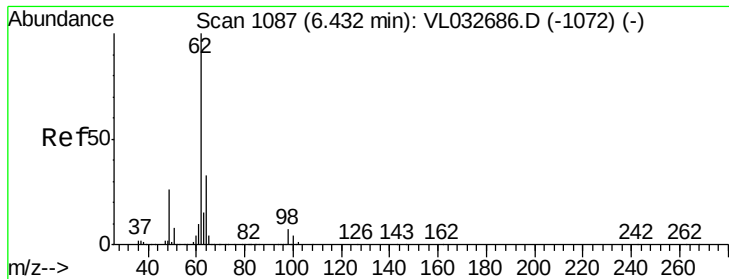
77 22.0 18.1 27.1

50 18.7 15.1 22.7



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





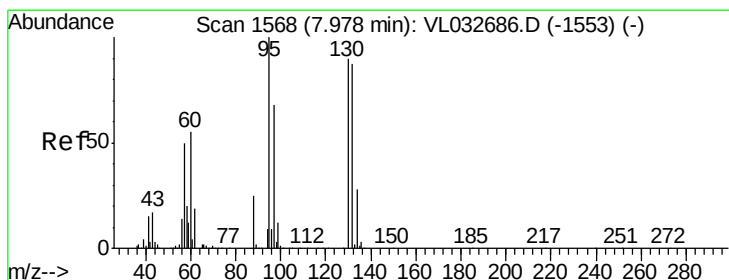
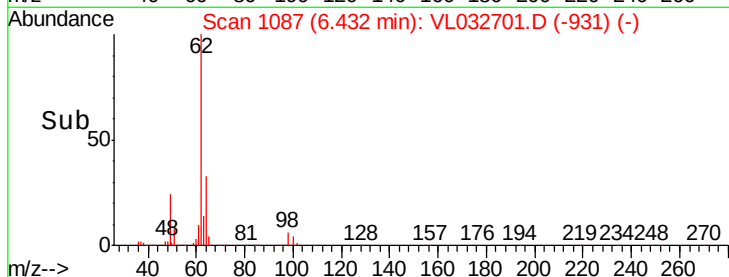
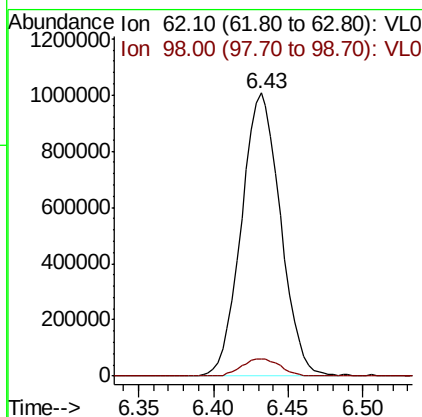
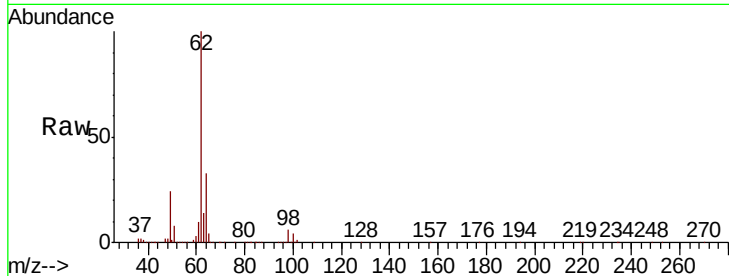
#37
 1,2-Dichloroethane
 Concen: 9.956 ppbv
 RT: 6.43 min Scan# 1087
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1030ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.3	4.4	6.6

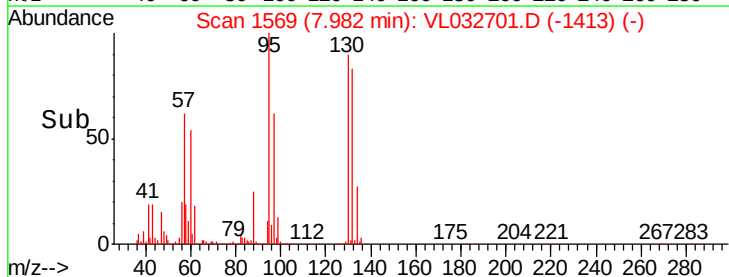
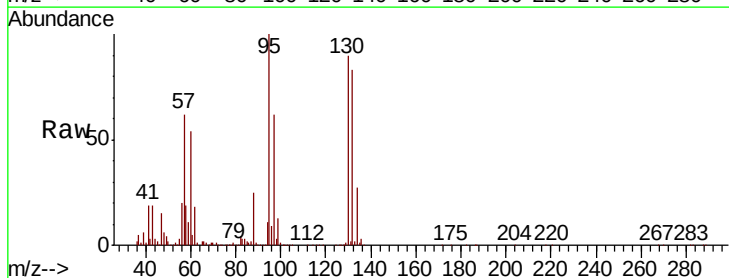
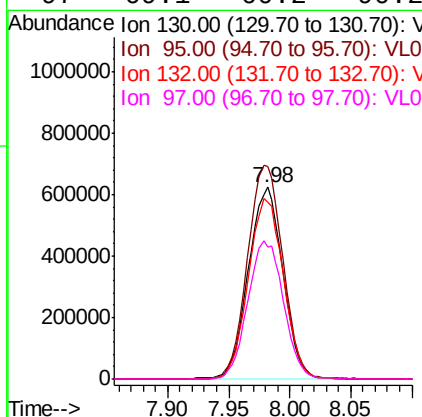
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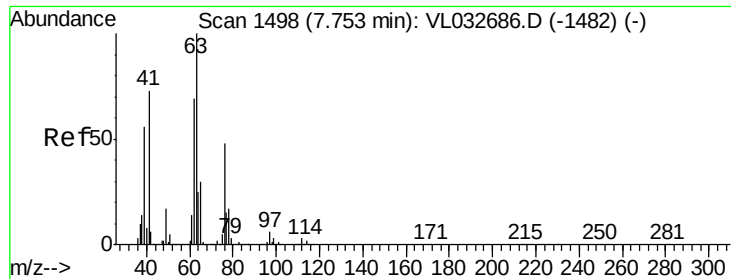
MMDadoda
 10/31/2018 10:39:59 AM



#38
 Trichloroethene
 Concen: 10.955 ppbv
 RT: 7.98 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
130	100		
95	111.2	93.4	140.0
132	92.4	76.5	114.7
97	69.1	60.2	90.2





#39

1,2-Dichloropropane

Concen: 10.364 ppbv

RT: 7.76 min Scan# 1499

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABS01

Tot Ion: 63 Resp: 1198842

Ion Ratio Lower Upper

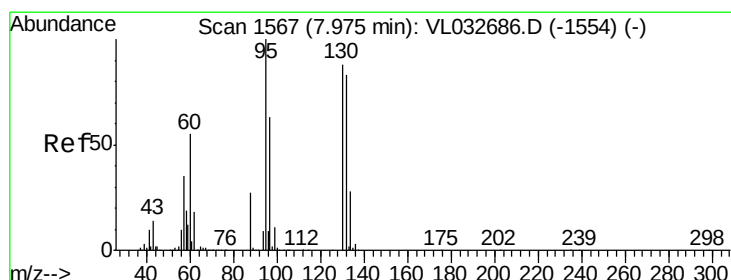
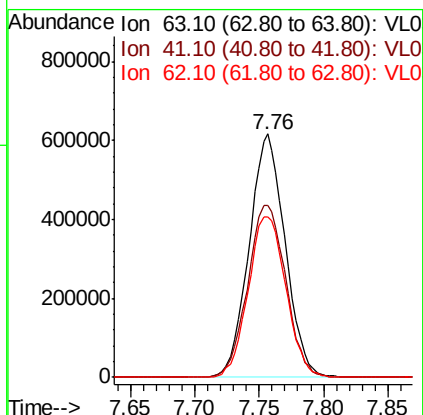
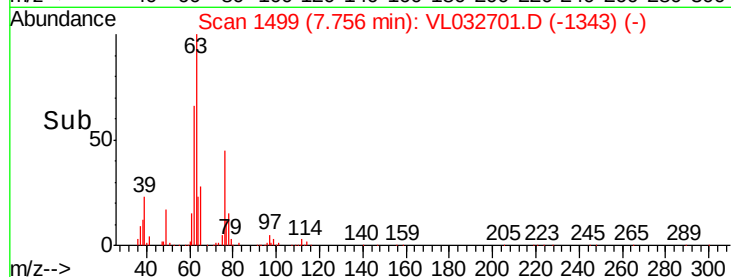
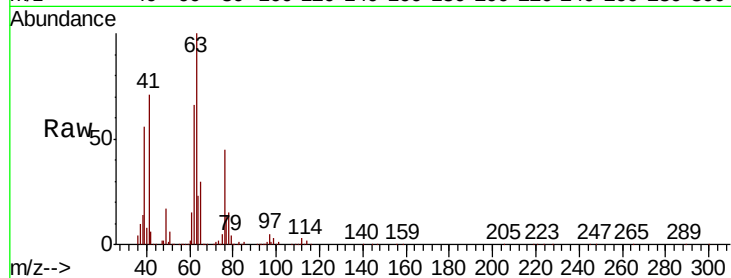
63 100

41 70.7 56.2 84.4

62 66.1 54.4 81.6

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#40

1,4-Dioxane

Concen: 11.346 ppbv

RT: 7.98 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Tgt Ion: 88 Resp: 448234

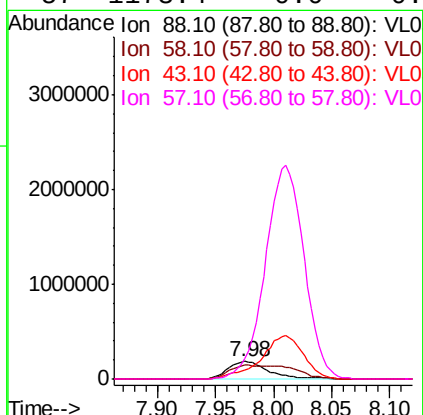
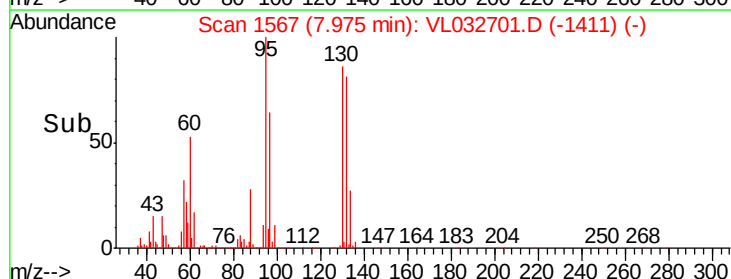
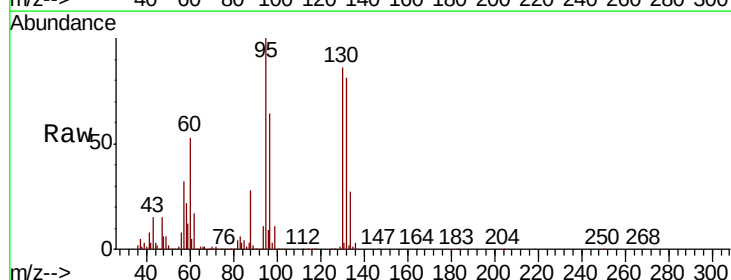
Ion Ratio Lower Upper

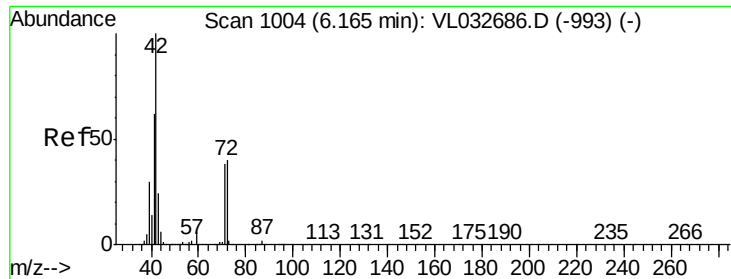
88 100

58 126.8 104.0 156.0

43 258.1 0.0 0.0#

57 1173.4 0.0 0.0#





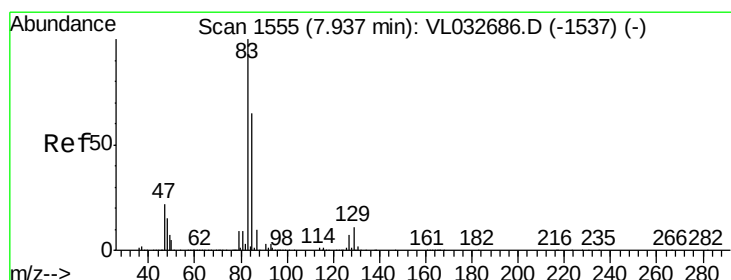
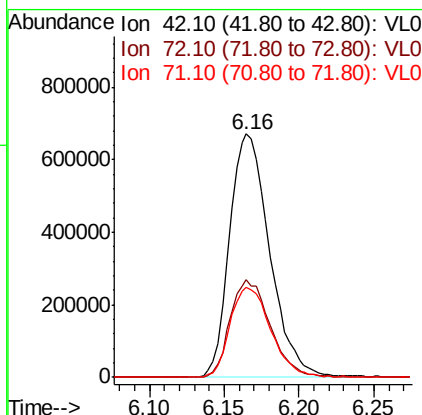
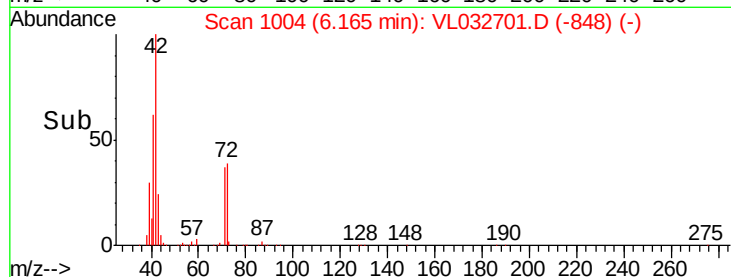
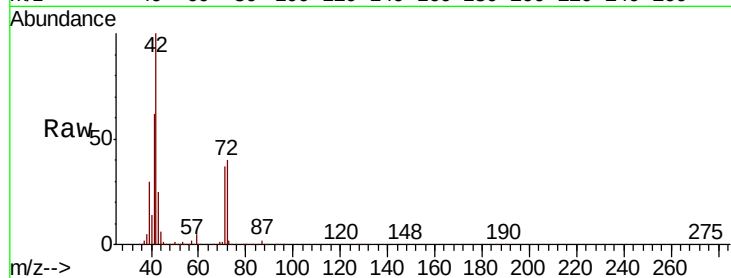
#41
Tetrahydrofuran
Concen: 11.352 ppbv
RT: 6.16 min Scan# 1004
Delta R.T. 0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1030ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.4	48.6
71	37.8	31.3	46.9

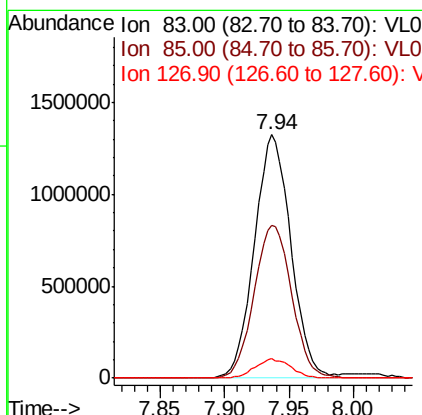
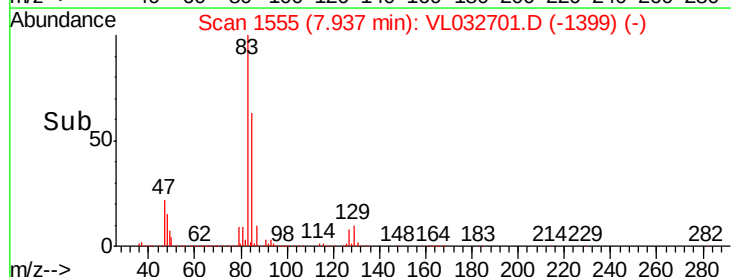
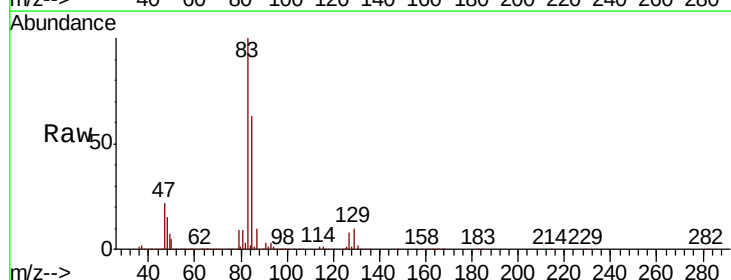
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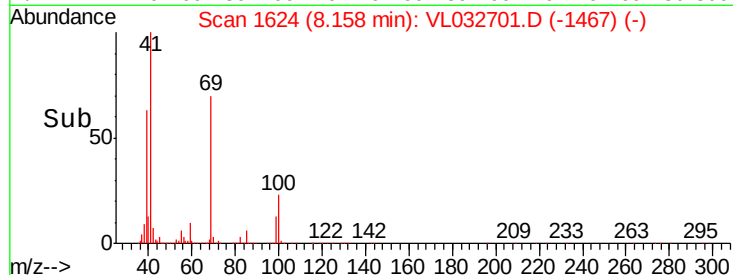
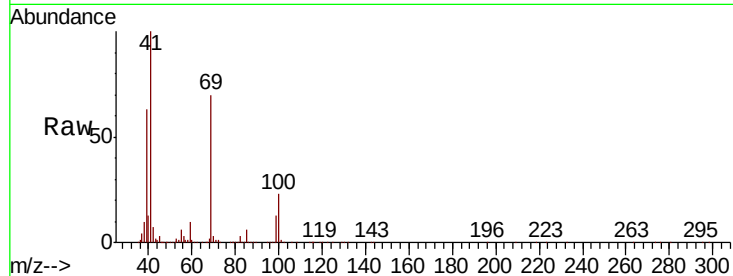
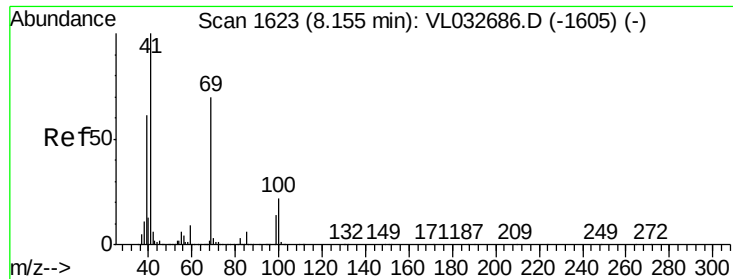
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#42
Bromodichloromethane
Concen: 10.179 ppbv
RT: 7.94 min Scan# 1555
Delta R.T. 0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.8	52.4	78.6
127	7.8	6.1	9.1





#43

Methyl Methacrylate

Concen: 11.550 ppbv

RT: 8.16 min Scan# 1624

Delta R.T. 0.01 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

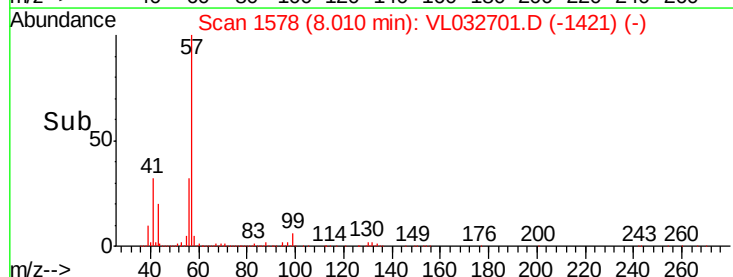
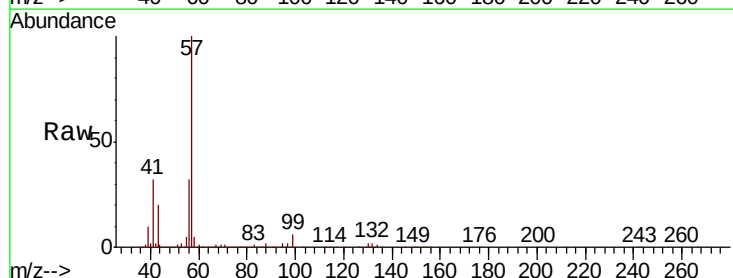
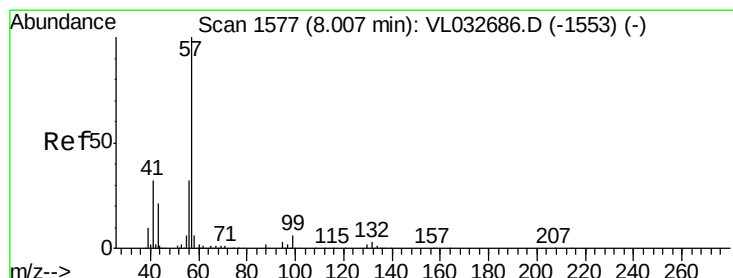
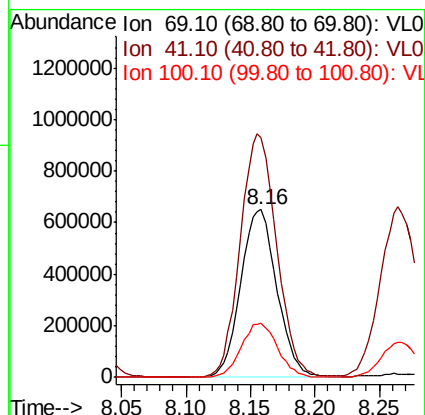
Tot Ion: 69 Resp: 1268047

Ion	Ratio	Lower	Upper
69	100		
41	146.1	113.2	169.8
100	32.6	24.4	36.6

Instrument :
MSVOA_L
ClientSampleId :
VL1030ABS01

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MMDadoda
10/31/2018 10:39:59 AM



#44

2,2,4-Trimethylpentane

Concen: 10.270 ppbv

RT: 8.01 min Scan# 1578

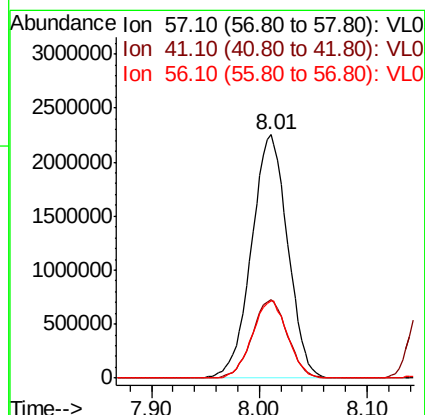
Delta R.T. 0.01 min

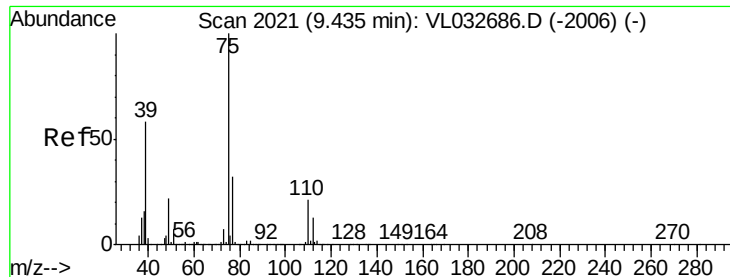
Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Tgt Ion: 57 Resp: 5252063

Ion	Ratio	Lower	Upper
57	100		
41	31.4	24.7	37.1
56	31.2	25.0	37.4





#45

t-1,3-Dichloropropene

Concen: 12.467 ppbv

RT: 9.43 min Scan# 2021

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleID :

VL1030ABS01

Tot Ion: 75 Resp: 1832199

Ion Ratio Lower Upper

75 100

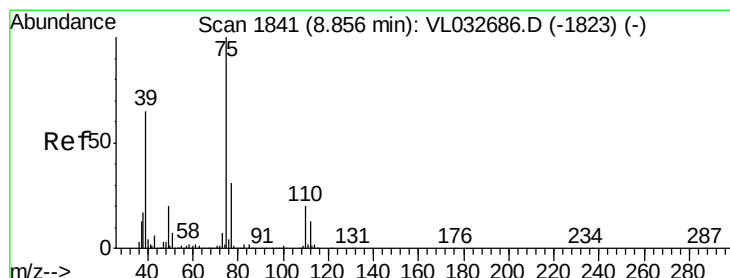
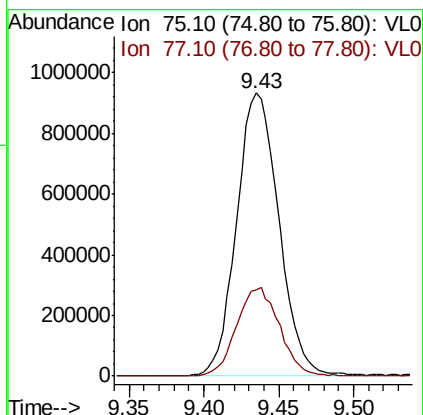
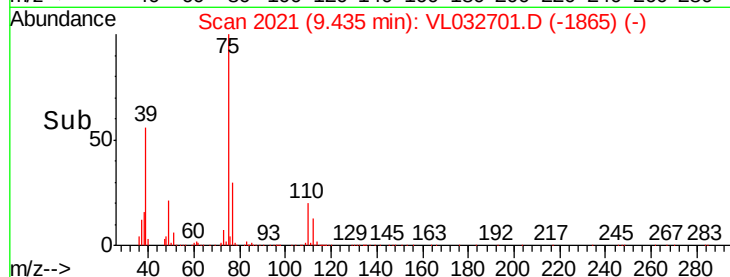
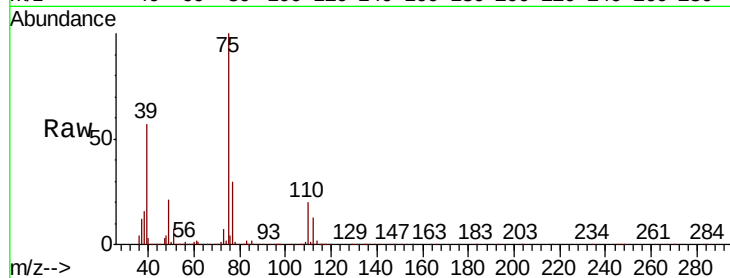
77 30.5 25.3 37.9

Manual Integrations

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#46

cis-1,3-Dichloropropene

Concen: 11.434 ppbv

RT: 8.86 min Scan# 1841

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

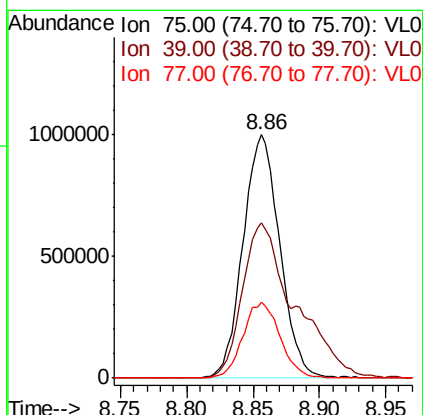
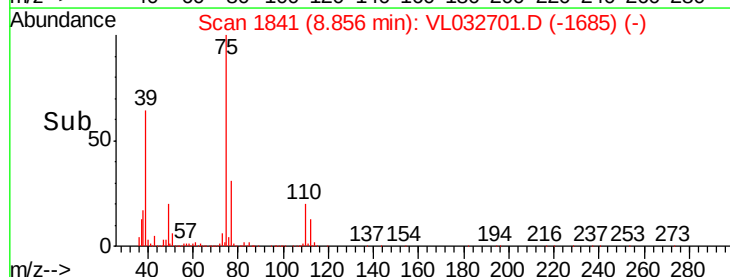
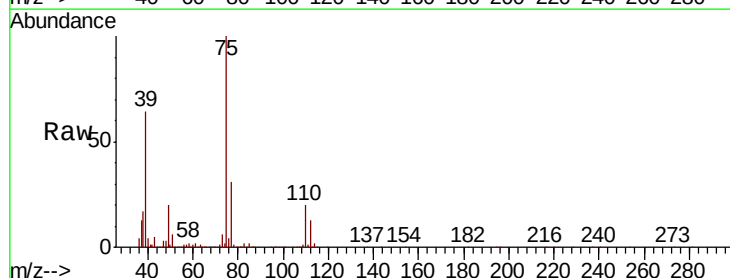
Tgt Ion: 75 Resp: 1919842

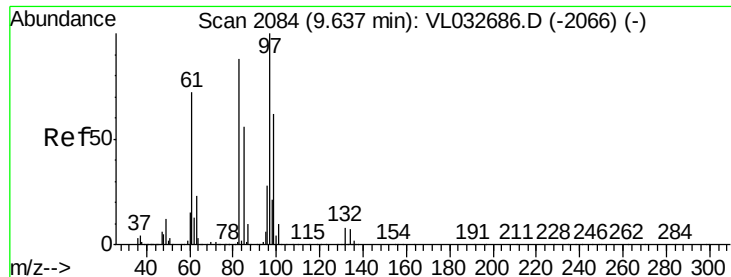
Ion Ratio Lower Upper

75 100

39 63.7 50.9 76.3

77 31.2 25.8 38.6





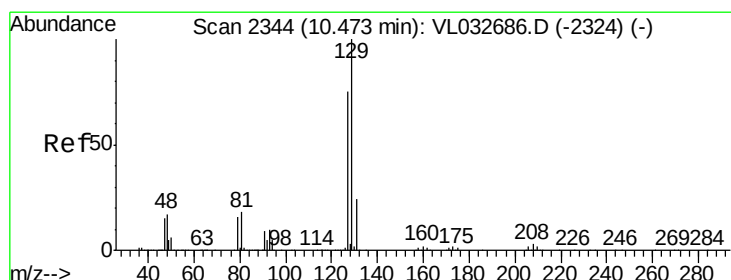
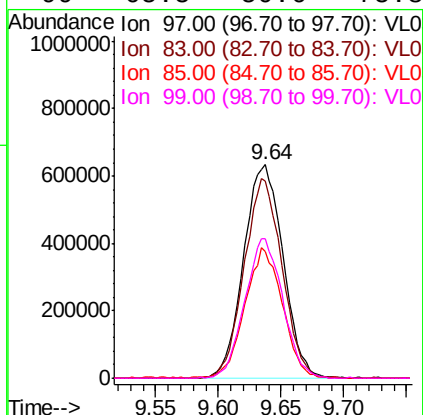
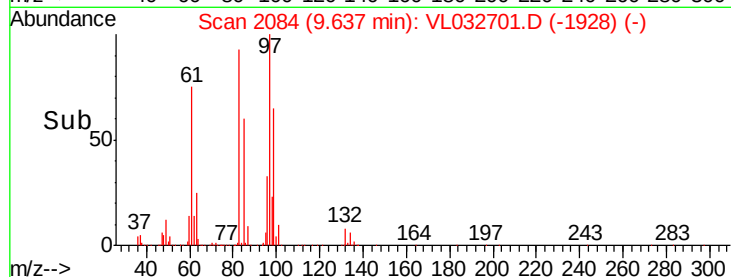
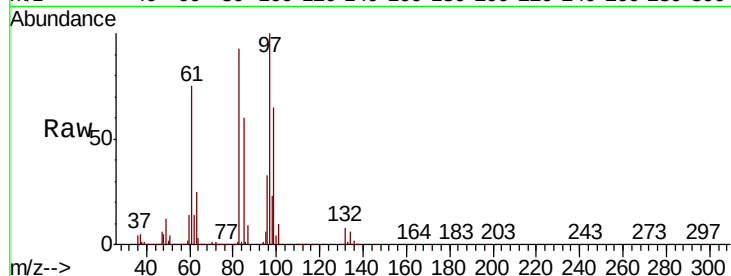
#47
 1,1,2-Trichloroethane
 Concen: 10.134 ppbv
 RT: 9.64 min Scan# 2084
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1030ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	92.5	73.5	110.3	
85	59.3	45.8	68.6	
99	65.5	50.6	75.8	

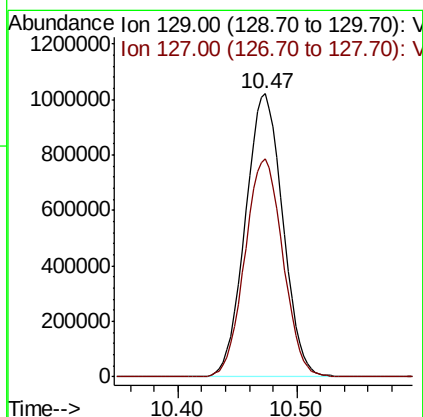
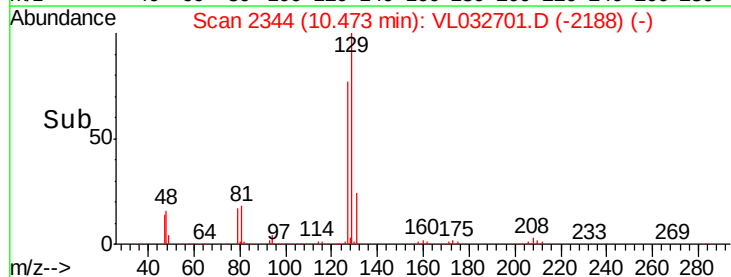
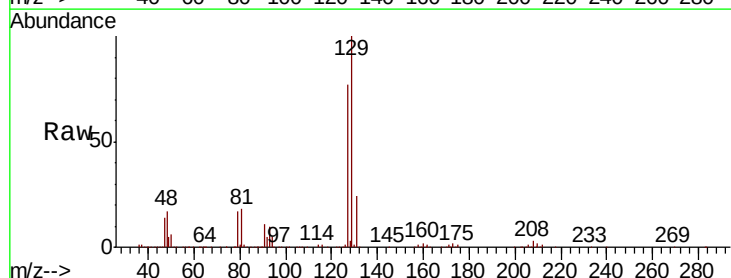
Manual Integrations
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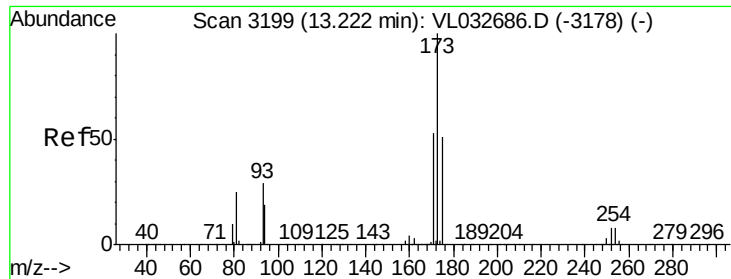
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#48
 Dibromochloromethane
 Concen: 9.754 ppbv
 RT: 10.47 min Scan# 2344
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.2	39.1	117.5	





#49

Bromoform

Concen: 10.388 ppbv

RT: 13.22 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABS01

Tot Ion:173 Resp: 1859799

Ion Ratio Lower Upper

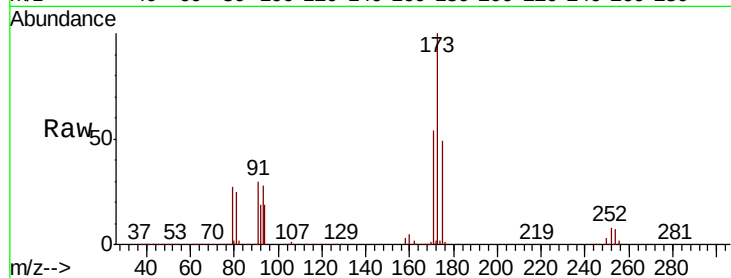
173 100

175 49.1 39.0 58.4

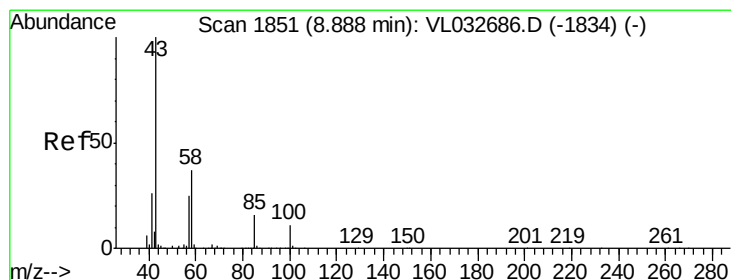
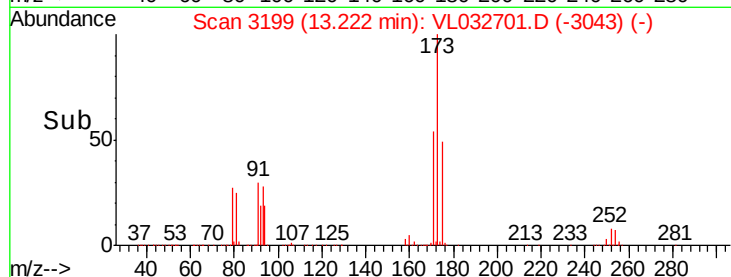
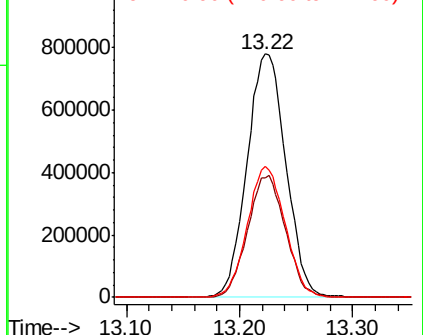
171 52.4 42.2 63.2

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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: 11.121 ppbv

RT: 8.89 min Scan# 1852

Delta R.T. 0.01 min

Lab File: VL032701.D

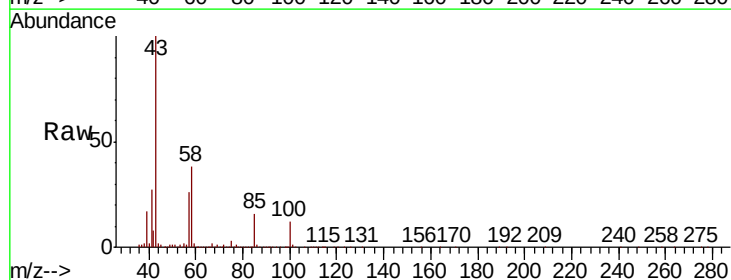
Acq: 30 Oct 2018 16:05

Tgt Ion: 43 Resp: 3258003

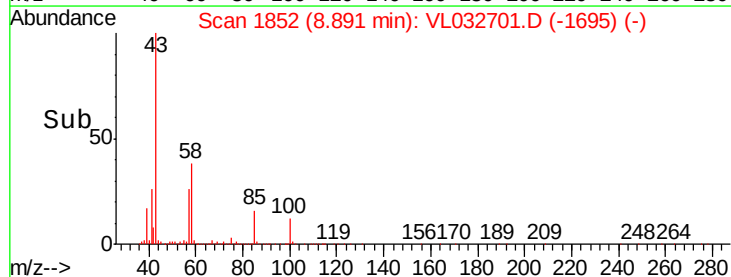
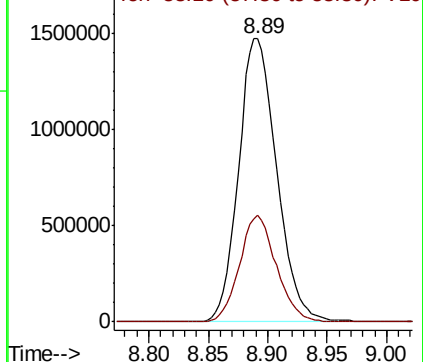
Ion Ratio Lower Upper

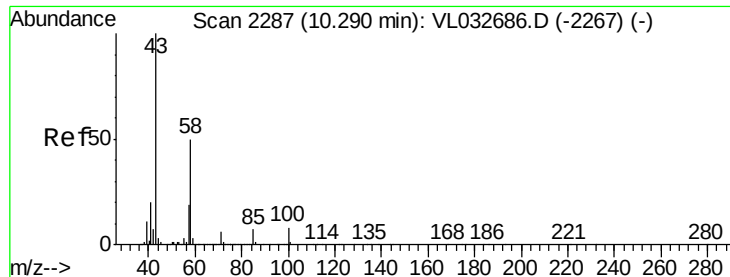
43 100

58 36.5 29.7 44.5



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





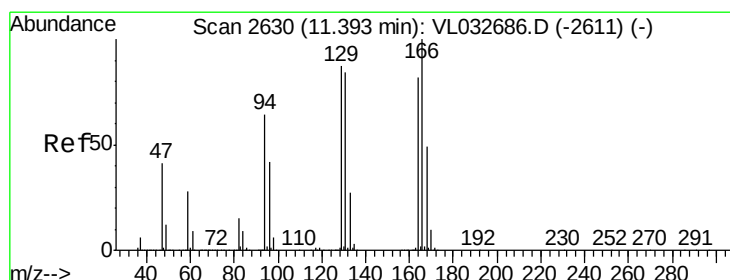
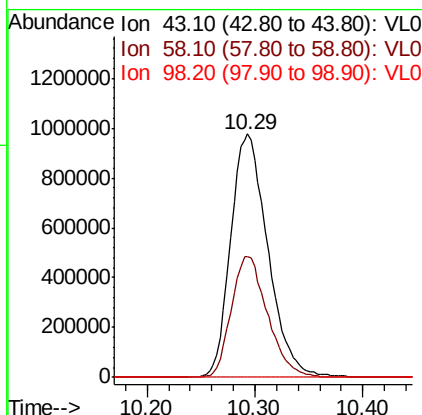
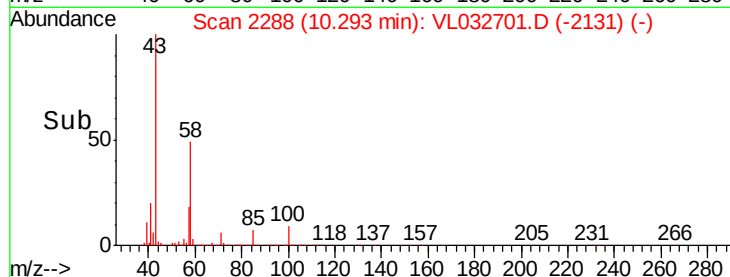
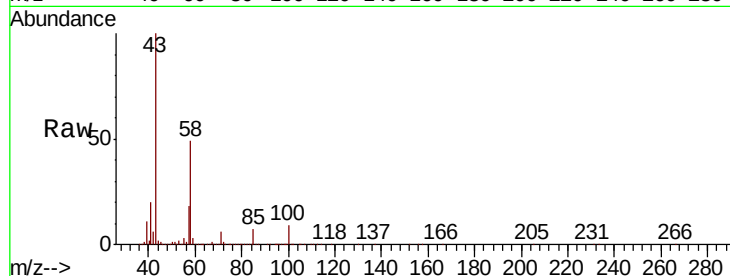
#51
2-Hexanone
Concen: 10.735 ppbv
RT: 10.29 min Scan# 2288
Delta R.T. 0.01 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1030ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.8	40.4	60.6
98	0.3	0.4	0.6#

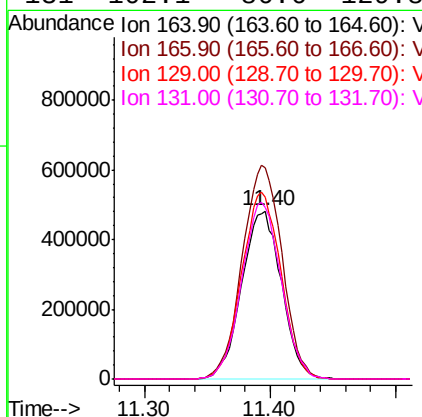
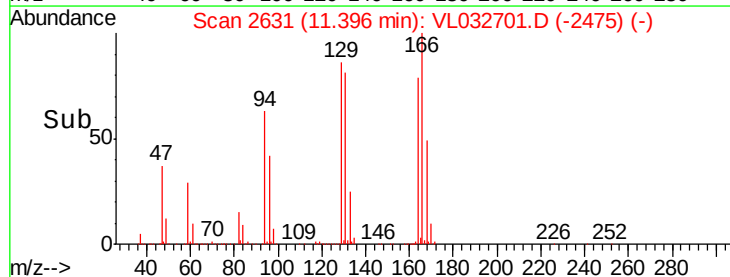
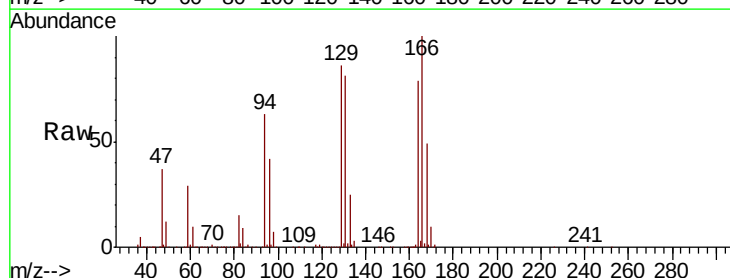
Manual Integrations
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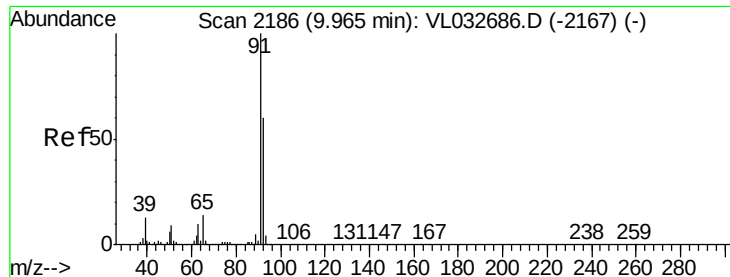
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#52
Tetrachloroethene
Concen: 10.145 ppbv
RT: 11.40 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.8	100.5	150.7
129	108.6	90.0	135.0
131	102.1	86.6	129.8





#53

Toluene

Concen: 11.492 ppbv

RT: 9.97 min Scan# 2186

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABS01

Tot Ion: 91 Resp: 3946270

Ion Ratio Lower Upper

91 100

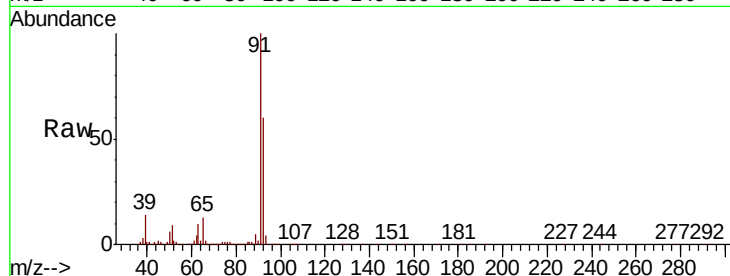
92 60.2 48.4 72.6

Manual Integrations

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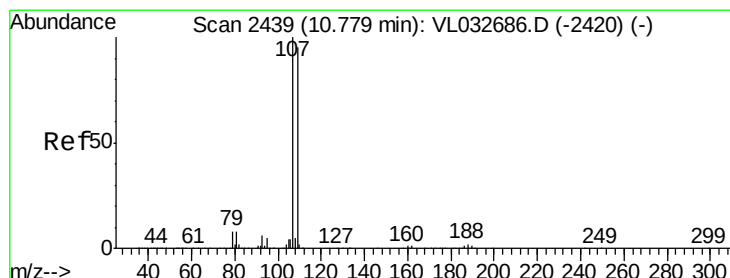
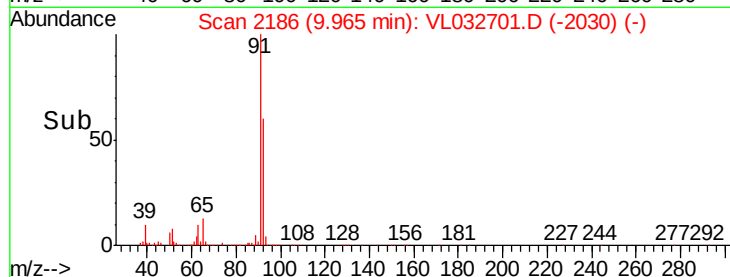
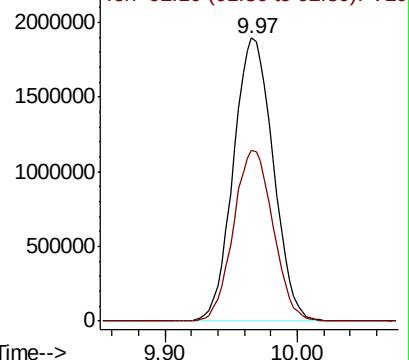
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.333 ppbv

RT: 10.78 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL032701.D

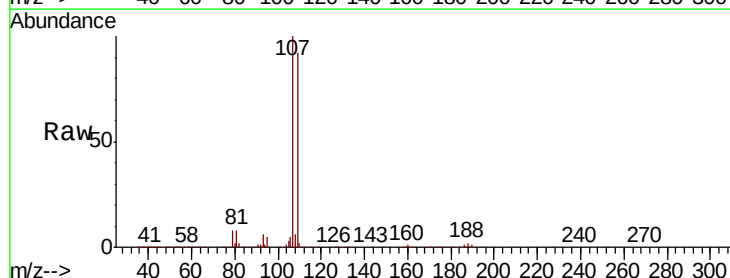
Acq: 30 Oct 2018 16:05

Tgt Ion: 107 Resp: 1919645

Ion Ratio Lower Upper

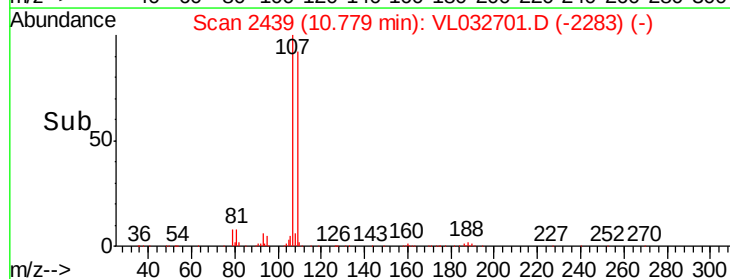
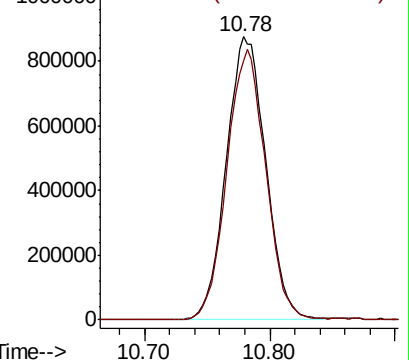
107 100

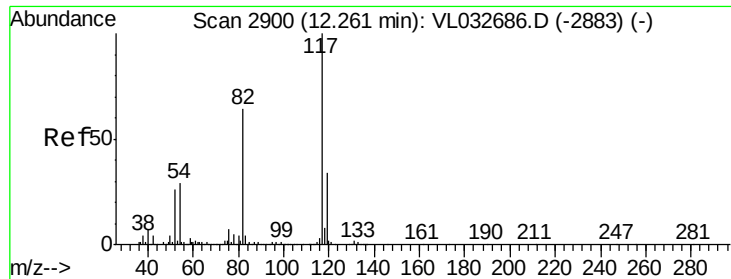
109 91.7 75.3 112.9



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





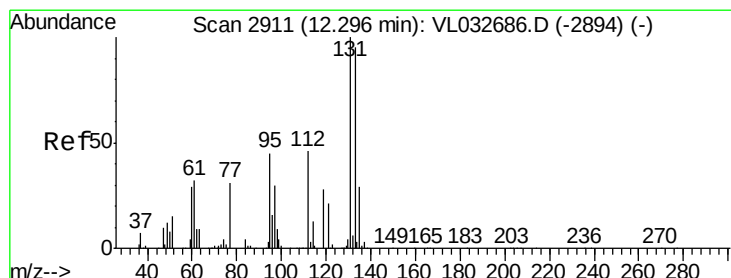
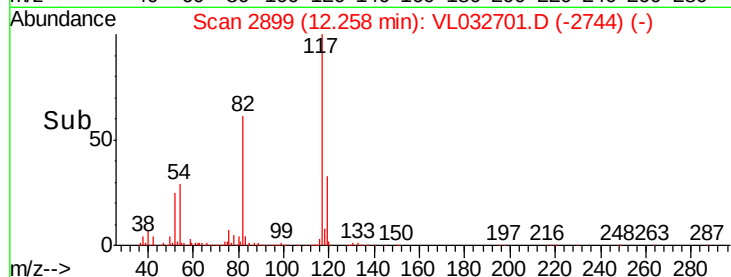
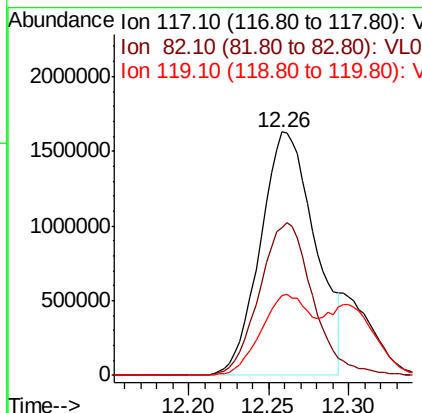
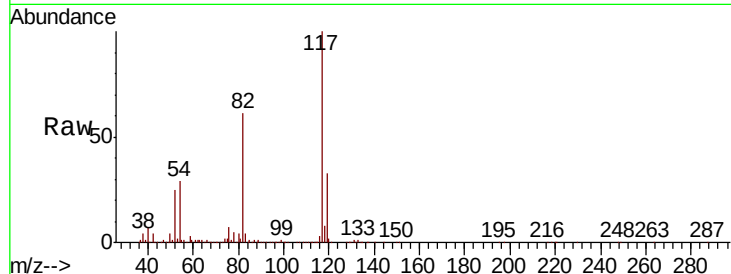
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.26 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1030ABS01

Tot Ion:117 Resp: 3869027
Ion Ratio Lower Upper
117 100
82 61.1 52.7 79.1
119 32.2 26.7 40.1

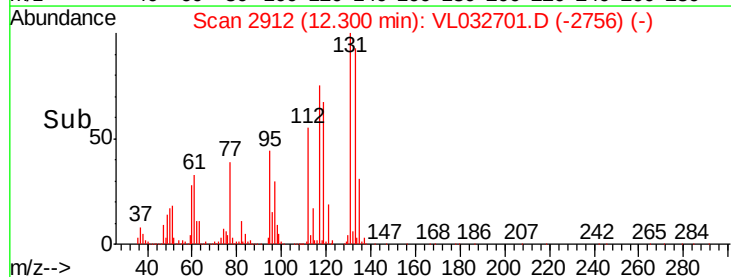
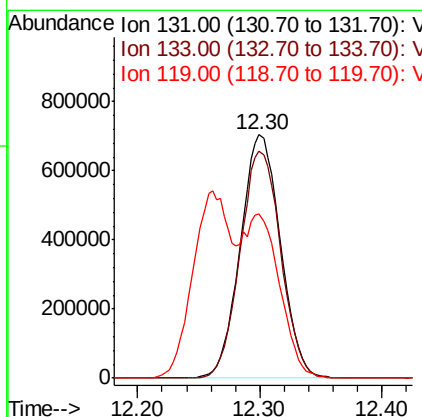
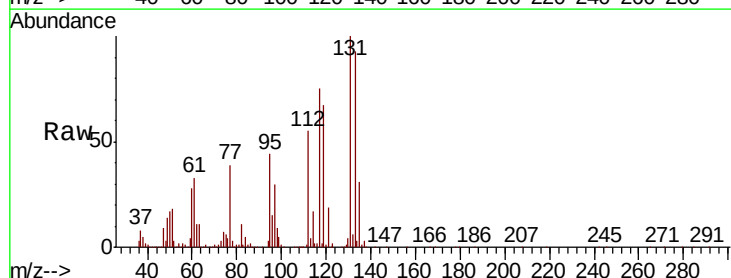
Manual Integrations
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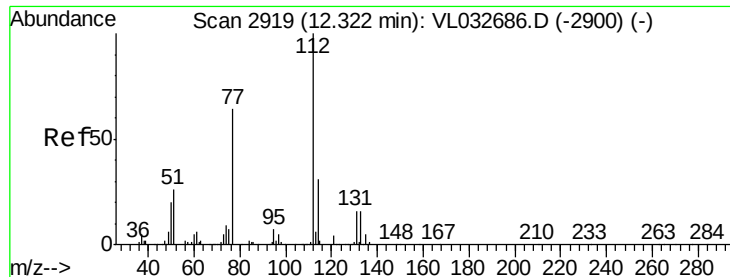
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.415 ppbv
RT: 12.30 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Tgt Ion:131 Resp: 1592800
Ion Ratio Lower Upper
131 100
133 94.9 75.4 113.2
119 137.3 49.1 73.7#





#57

Chlorobenzene

Concen: 9.627 ppbv

RT: 12.32 min Scan# 2919

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABS01

Tot Ion: 112 Resp: 2739188

Ion Ratio Lower Upper

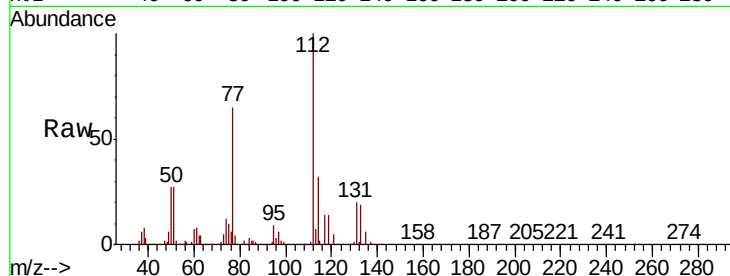
112 100

77 64.9 56.8 85.2

114 31.5 30.3 37.1

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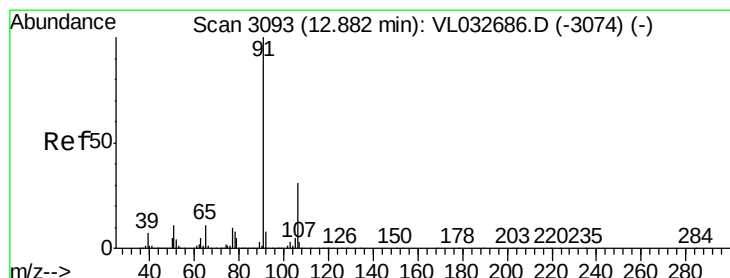
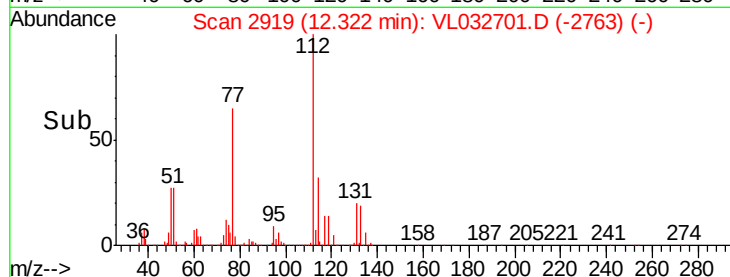
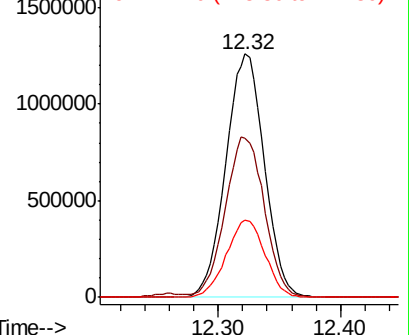
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.851 ppbv

RT: 12.88 min Scan# 3094

Delta R.T. 0.00 min

Lab File: VL032701.D

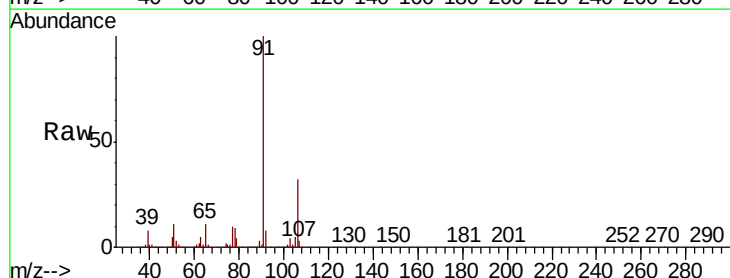
Acq: 30 Oct 2018 16:05

Tgt Ion: 91 Resp: 4877281

Ion Ratio Lower Upper

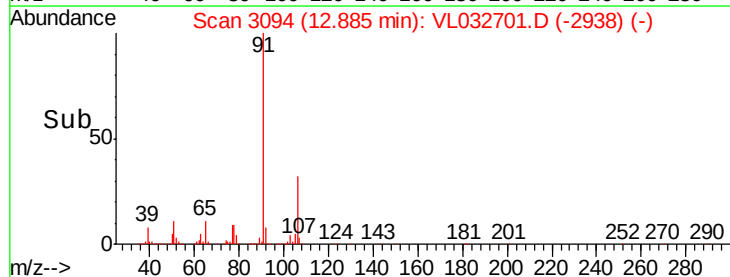
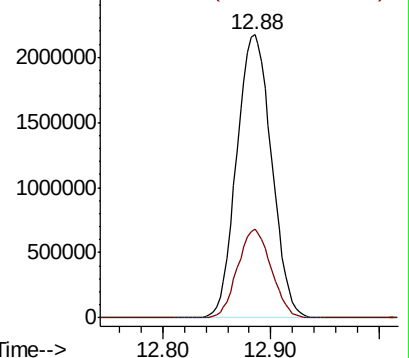
91 100

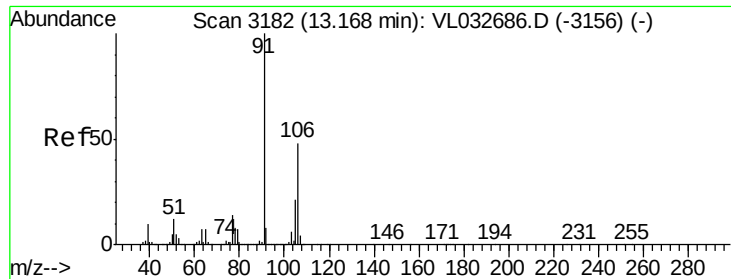
106 31.5 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





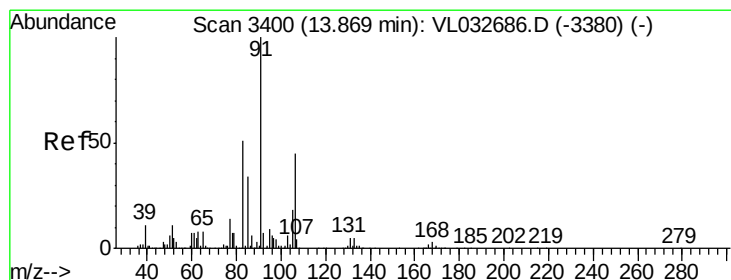
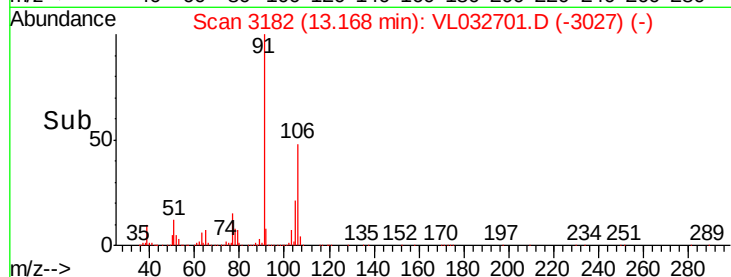
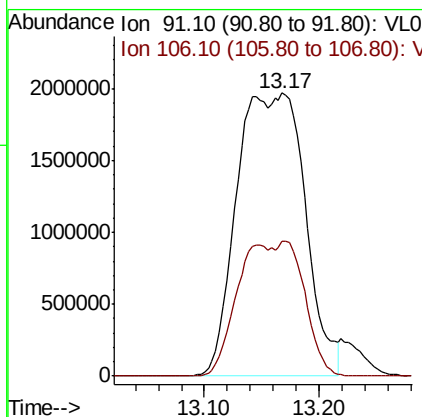
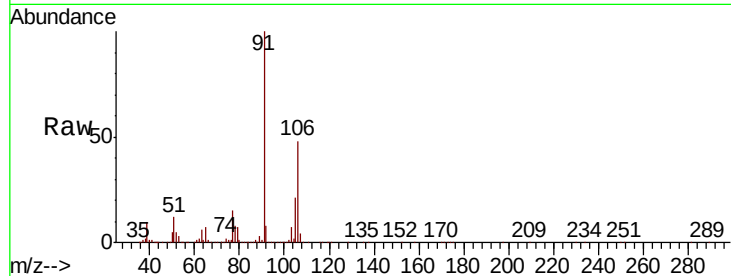
#59
m/p-Xylene
Concen: 20.275 ppbv m
RT: 13.17 min Scan# 3182
Delta R.T. -0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1030ABS01

Tot Ion: 91 Resp: 8115067
Ion Ratio Lower Upper
91 100
106 45.8 35.9 53.9

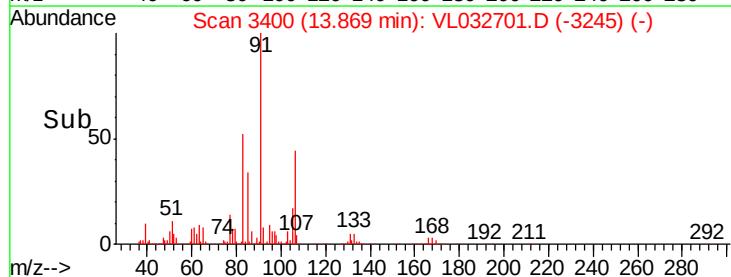
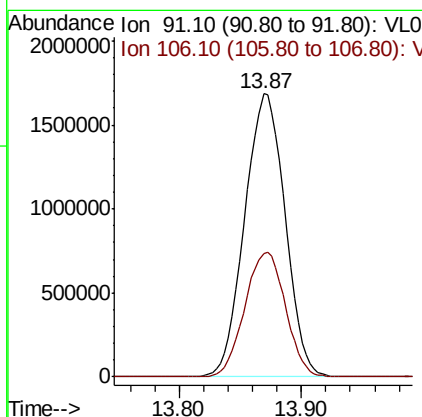
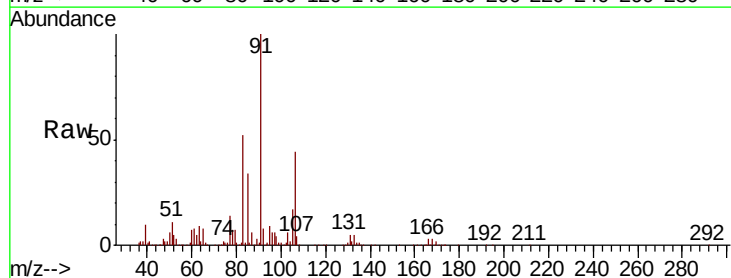
Manual Integrations
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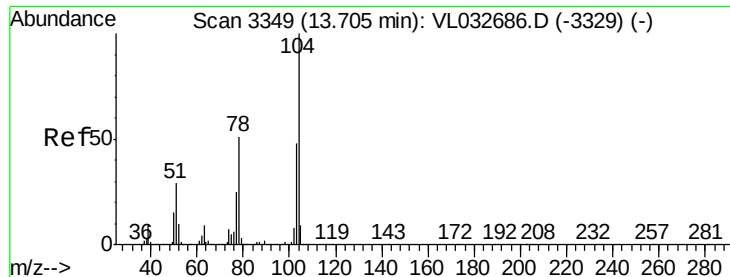
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#60
o-Xylene
Concen: 9.991 ppbv
RT: 13.87 min Scan# 3400
Delta R.T. -0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Tgt Ion: 91 Resp: 3857593
Ion Ratio Lower Upper
91 100
106 44.3 22.1 66.1





#61

Stvrene

Concen: 11.504 ppbv

RT: 13.71 min Scan# 3350

Delta R.T. 0.01 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABS01

Tot Ion:104 Resp: 2978128

Ion Ratio Lower Upper

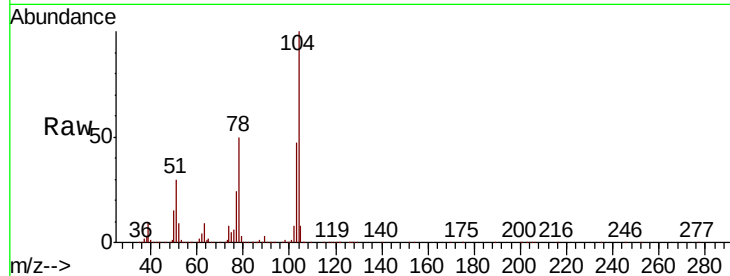
104 100

78 51.1 42.8 64.2

103 48.0 37.4 56.0

Manual Integrations
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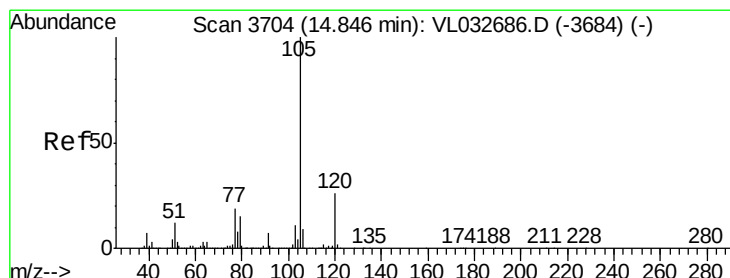
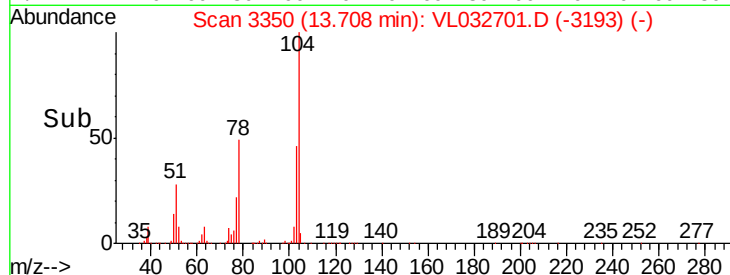
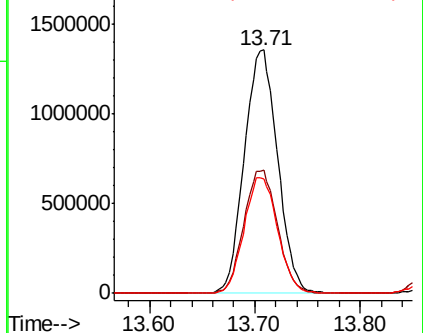
MMDadoda
10/31/2018 10:39:59 AM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.923 ppbv

RT: 14.85 min Scan# 3704

Delta R.T. 0.00 min

Lab File: VL032701.D

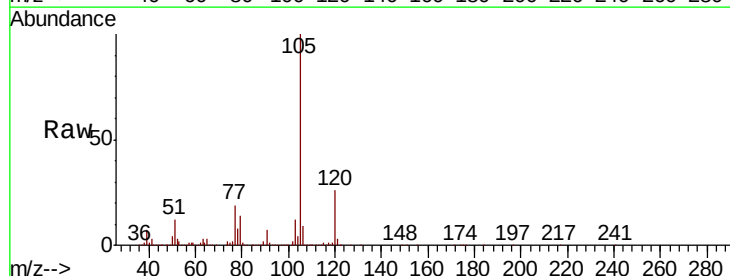
Acq: 30 Oct 2018 16:05

Tgt Ion:105 Resp: 5422171

Ion Ratio Lower Upper

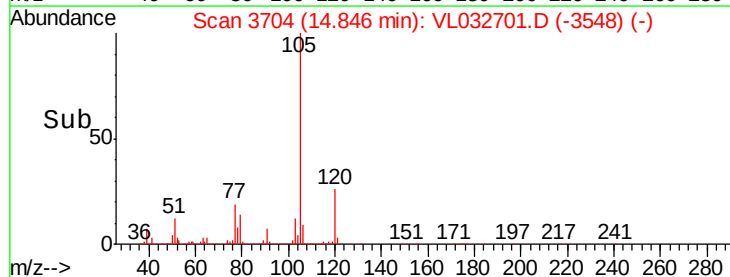
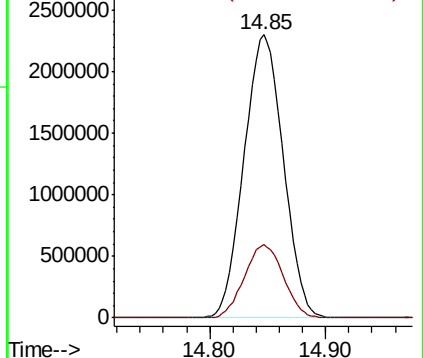
105 100

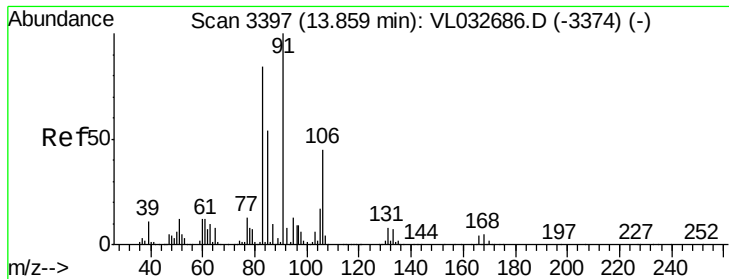
120 25.6 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





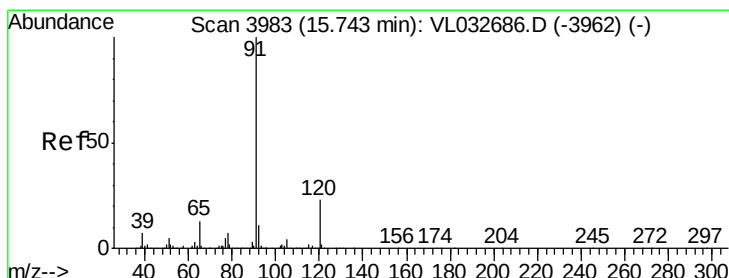
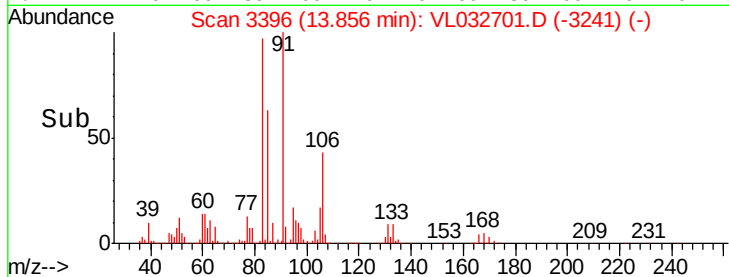
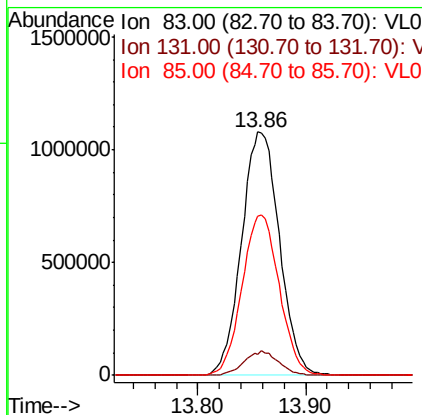
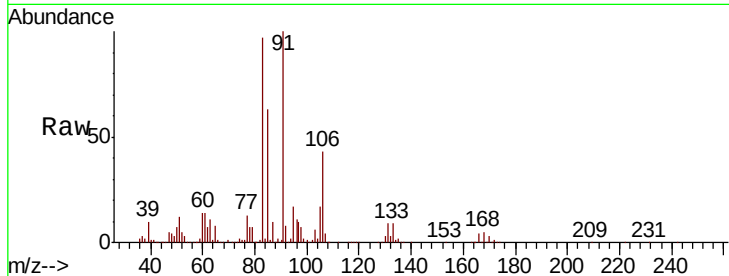
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.690 ppbv
 RT: 13.86 min Scan# 3396
 Delta R.T. -0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1030ABS01

Tot Ion	83	Resp	2628768
Ion Ratio	Lower	Upper	
83	100		
131	9.2	4.3	12.9
85	64.9	32.3	96.9

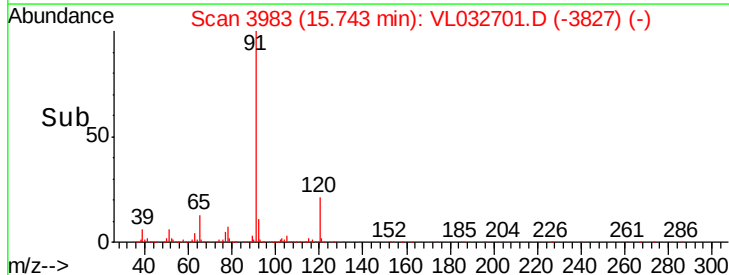
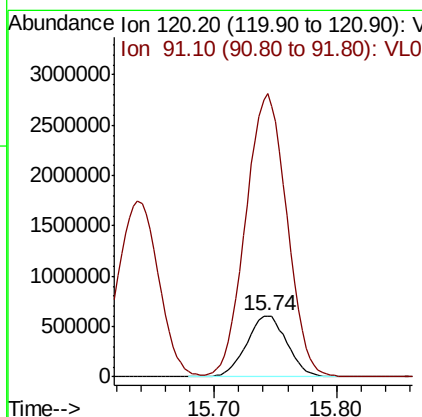
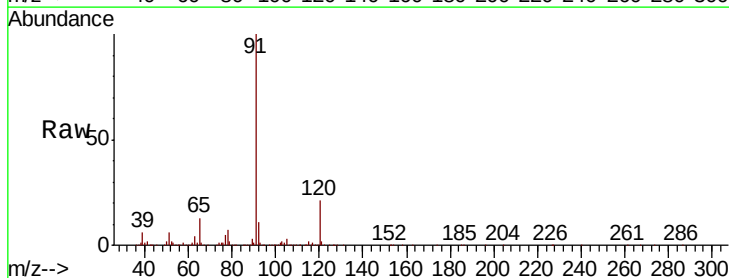
Manual Integrations
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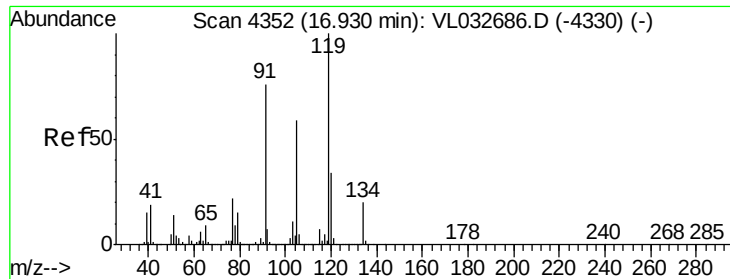
MMDadoda
 10/31/2018 10:39:59 AM



#64
 n-propylbenzene
 Concen: 10.171 ppbv
 RT: 15.74 min Scan# 3983
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Tgt Ion	120	Resp	1381279
Ion Ratio	Lower	Upper	
120	100		
91	475.5	390.2	585.2





#65

tert-Butylbenzene

Concen: 9.820 ppbv

RT: 16.93 min Scan# 4351

Delta R.T. -0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABS01

Tot Ion: 119 Resp: 4569915

Ion Ratio Lower Upper

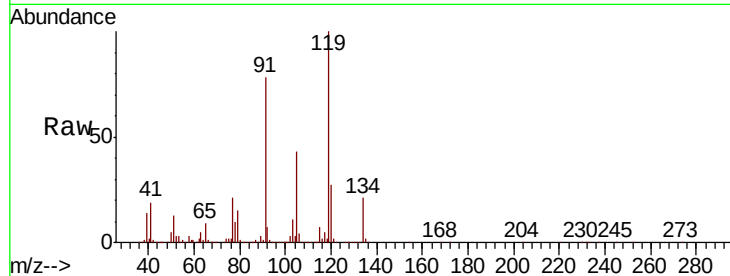
119 100

91 80.4 67.8 101.8

134 19.9 15.8 23.8

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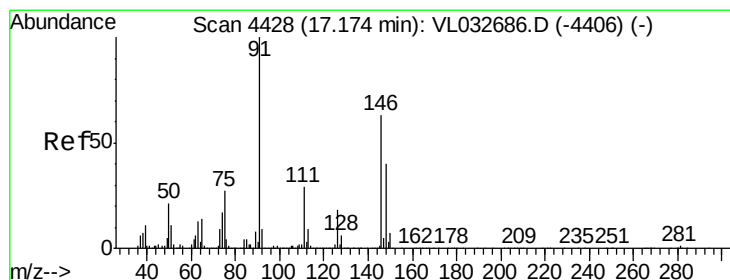
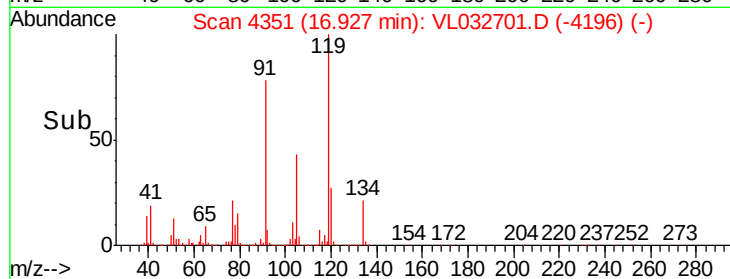
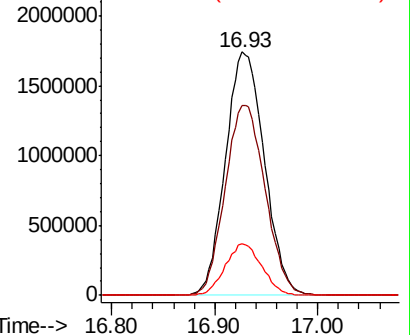
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.132 ppbv

RT: 17.17 min Scan# 4428

Delta R.T. -0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

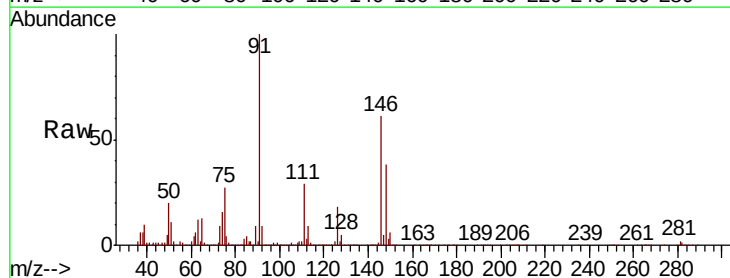
Tgt Ion: 91 Resp: 2674797

Ion Ratio Lower Upper

91 100

126 17.6 13.9 20.9

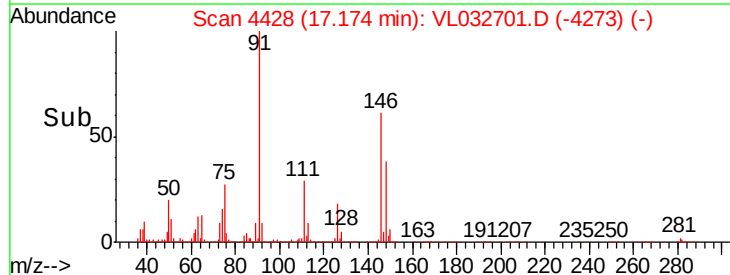
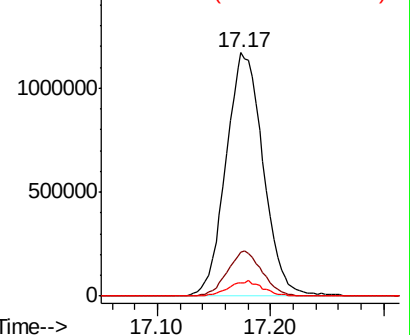
128 5.8 4.3 6.5

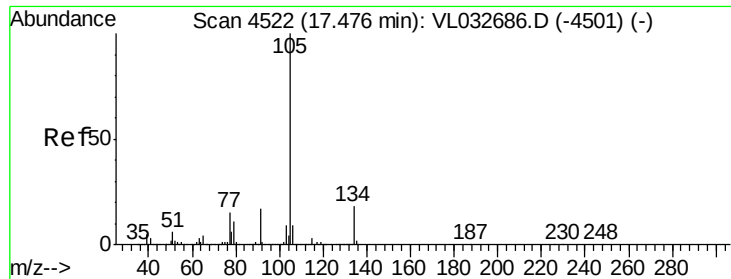


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.738 ppbv

RT: 17.48 min Scan# 4523

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABS01

Tot Ion: 105 Resp: 6445635

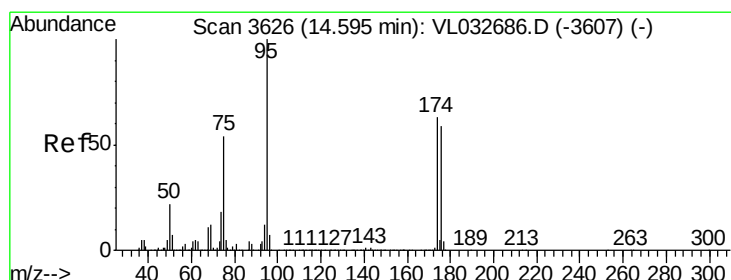
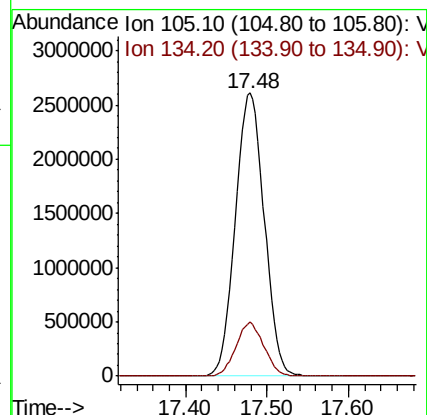
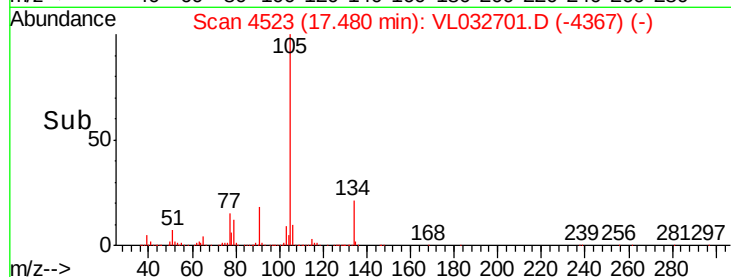
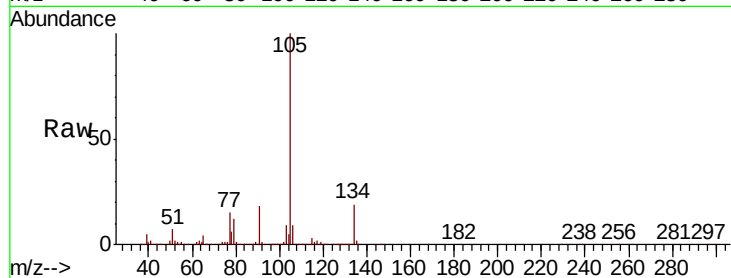
Ion Ratio Lower Upper

105 100

134 18.4 14.2 21.2

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.626 ppbv

RT: 14.60 min Scan# 3627

Delta R.T. 0.01 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

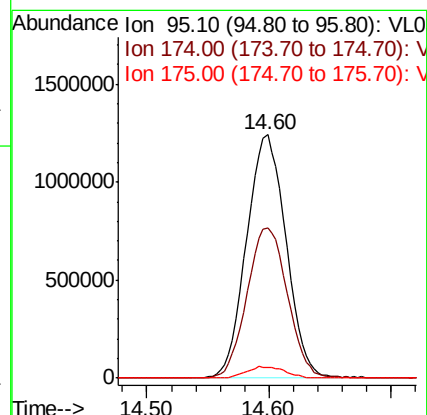
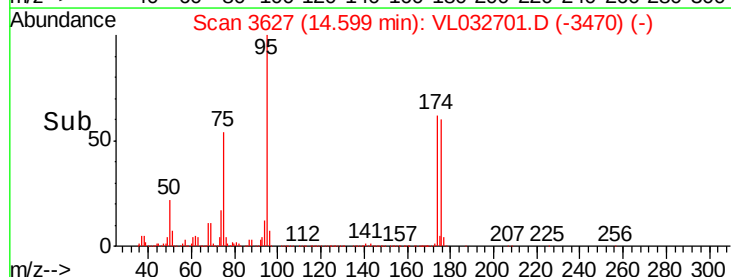
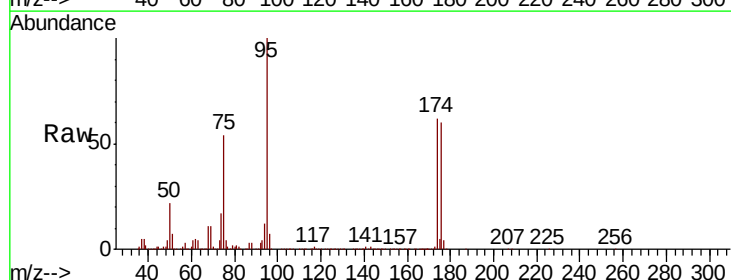
Tgt Ion: 95 Resp: 2773115

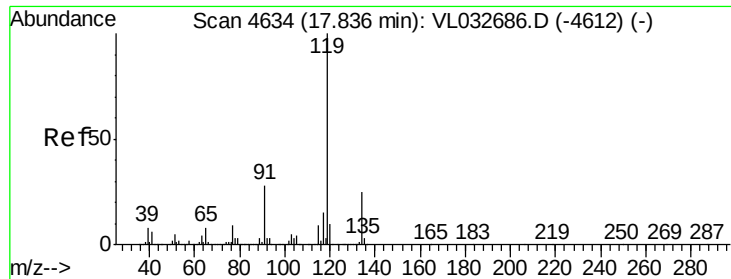
Ion Ratio Lower Upper

95 100

174 63.8 46.0 69.0

175 4.8 3.4 5.0





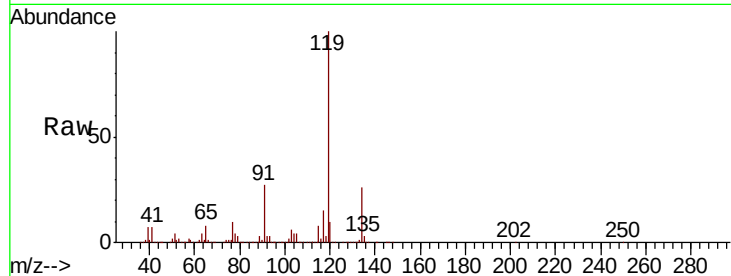
#69
 p-Isopropyltoluene
 Concen: 9.952 ppbv
 RT: 17.84 min Scan# 4634
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1030ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.2
91	28.5	24.0	36.0

Manual Integrations
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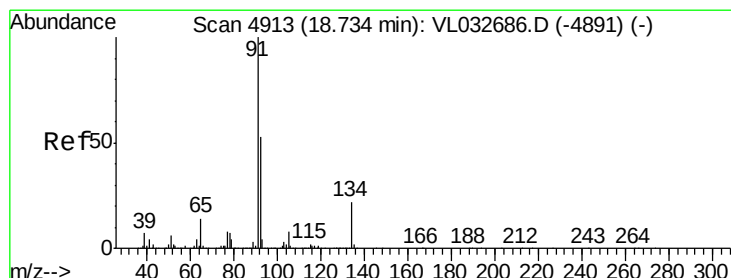
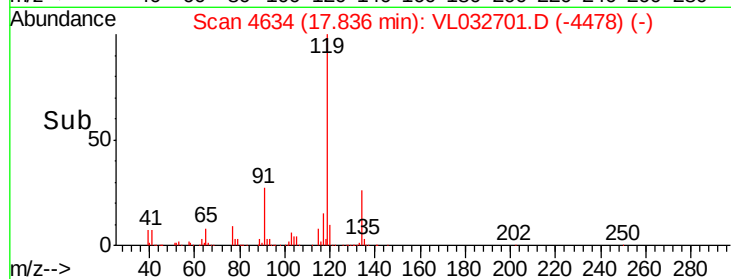
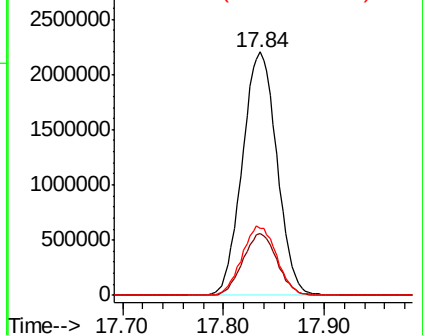


Abundance

Ion 119.10 (118.80 to 119.80): V

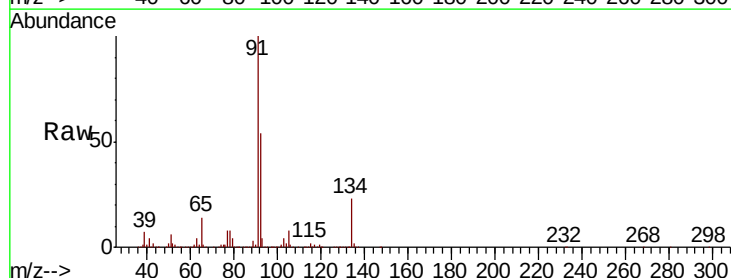
Ion 134.20 (133.90 to 134.90): V

Ion 91.10 (90.80 to 91.80): V



#70
 n-Butylbenzene
 Concen: 9.759 ppbv
 RT: 18.73 min Scan# 4913
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	43.0	64.4
134	22.3	17.0	25.6

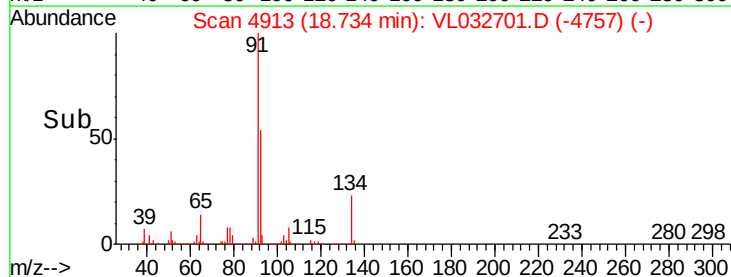
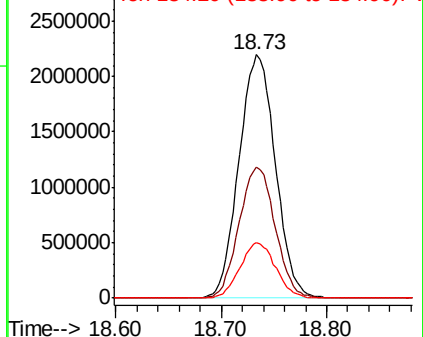


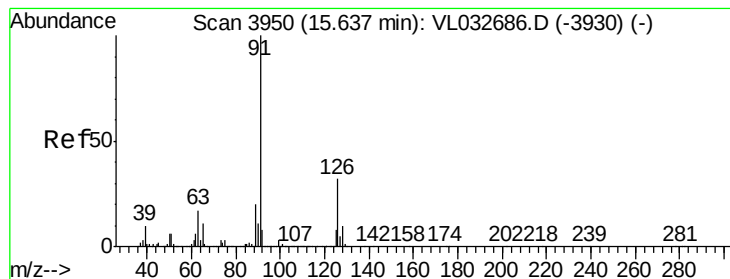
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





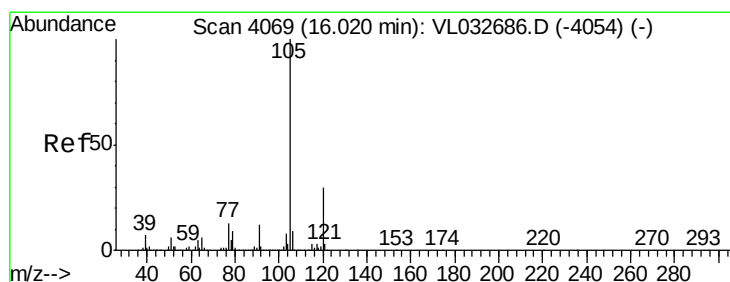
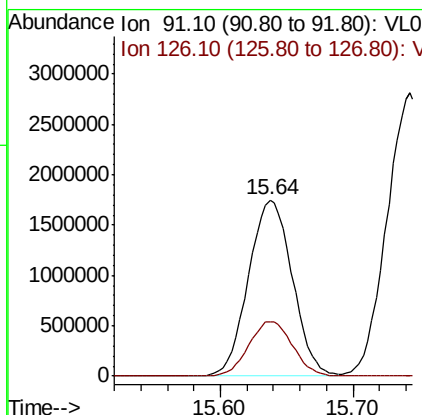
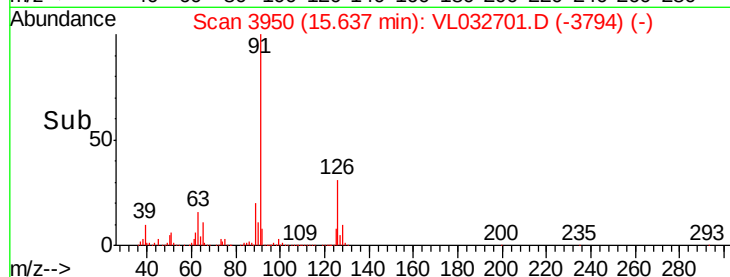
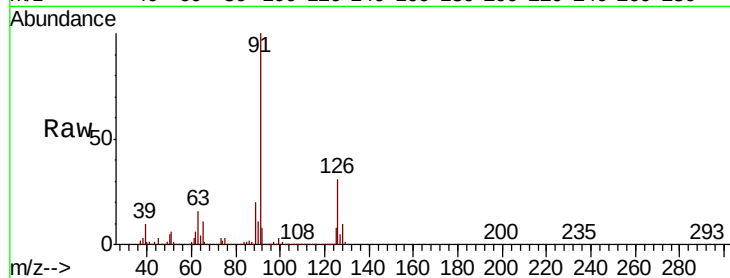
#71
 2-Chlorotoluene
 Concen: 10.367 ppbv
 RT: 15.64 min Scan# 3950
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1030ABS01

Tot Ion: 91 Resp: 4025937
 Ion Ratio Lower Upper
 91 100
 126 30.9 11.8 47.4

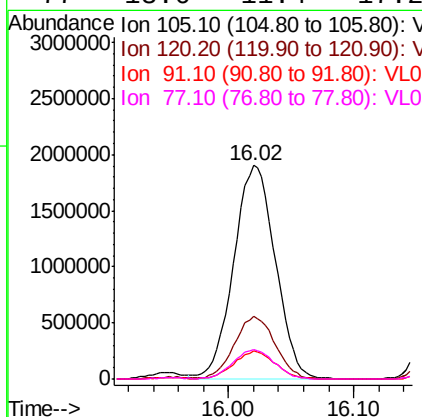
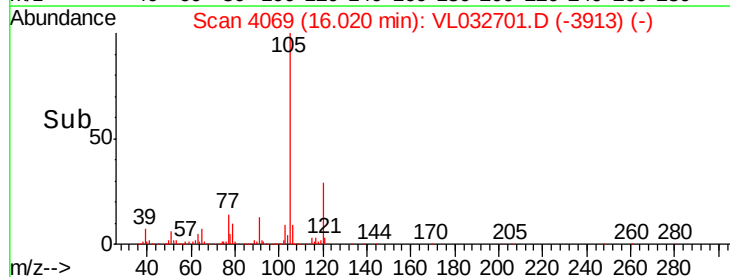
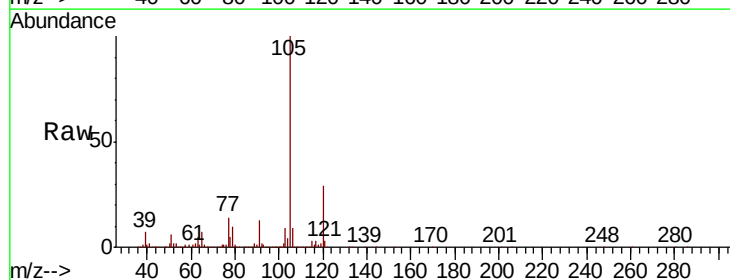
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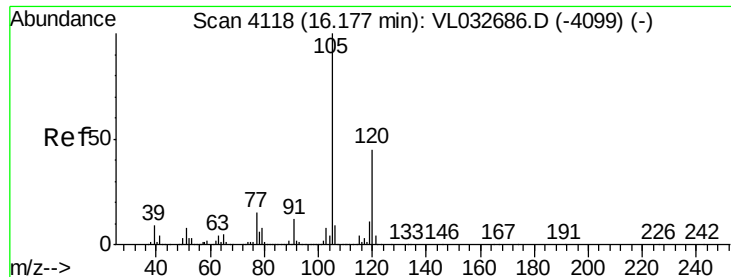
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#72
 4-Ethyltoluene
 Concen: 10.656 ppbv
 RT: 16.02 min Scan# 4069
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Tgt Ion: 105 Resp: 4382206
 Ion Ratio Lower Upper
 105 100
 120 29.0 23.7 35.5
 91 12.9 10.4 15.6
 77 13.6 11.4 17.2





#73

1,3,5-Trimethylbenzene

Concen: 10.238 ppbv

RT: 16.18 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Instrument :

MSVOA_L

ClientSampleId :

VL1030ABS01

Tot Ion:105 Resp: 4100853

Ion Ratio Lower Upper

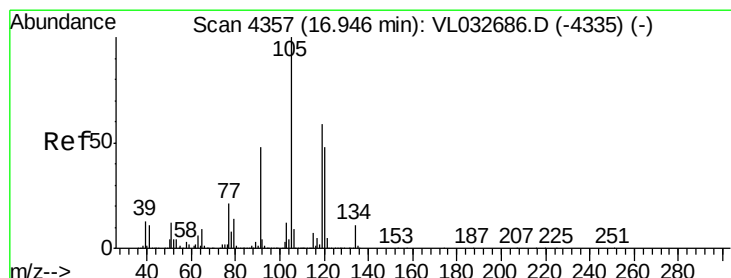
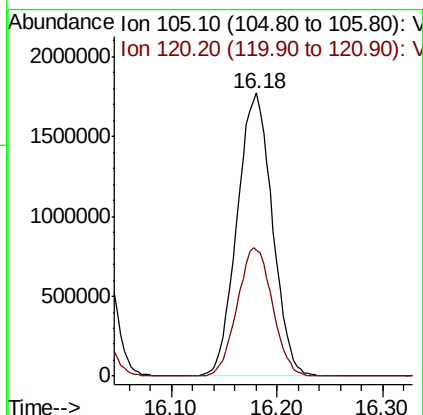
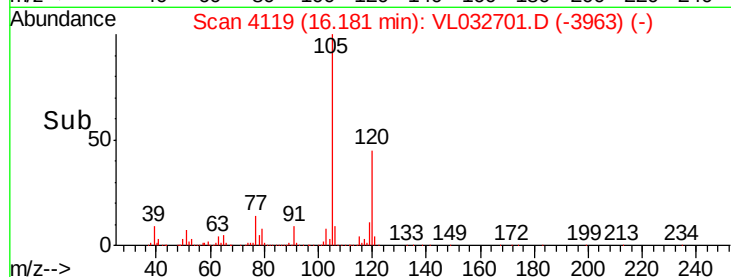
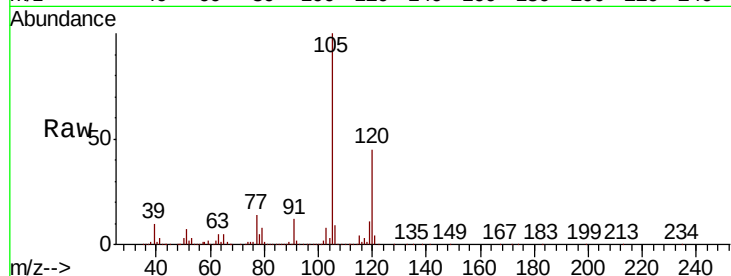
105 100

120 44.5 35.4 53.2

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#74

1,2,4-Trimethylbenzene

Concen: 9.661 ppbv

RT: 16.95 min Scan# 4357

Delta R.T. -0.00 min

Lab File: VL032701.D

Acq: 30 Oct 2018 16:05

Tgt Ion:105 Resp: 4132505

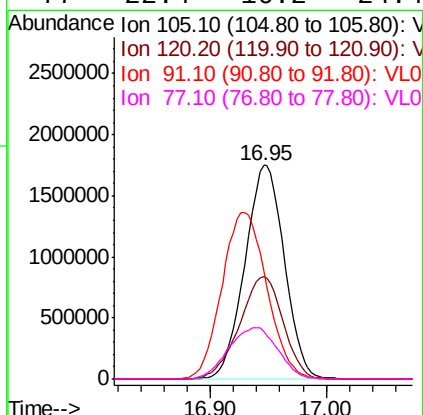
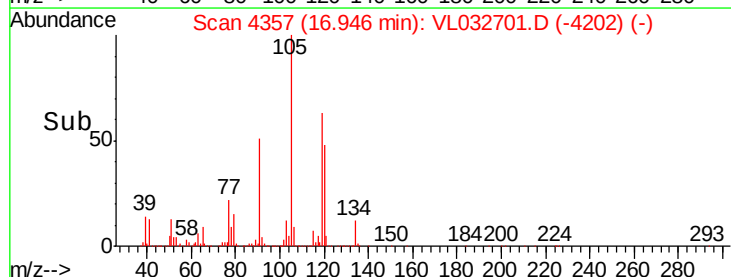
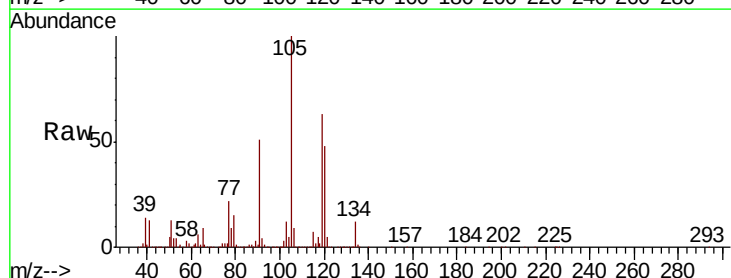
Ion Ratio Lower Upper

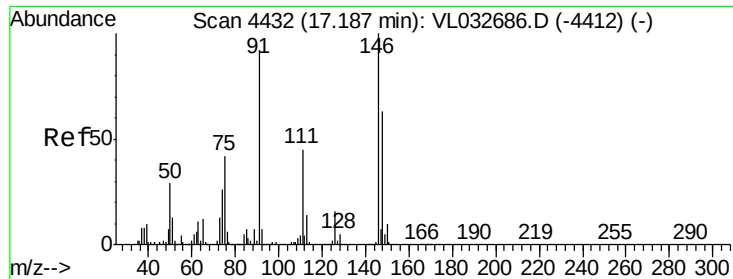
105 100

120 47.5 35.8 53.8

91 50.5 33.2 49.8#

77 22.4 16.2 24.4





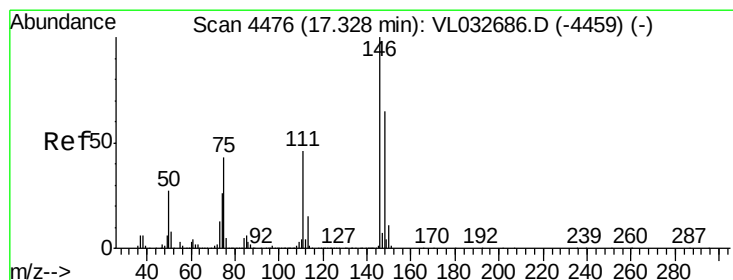
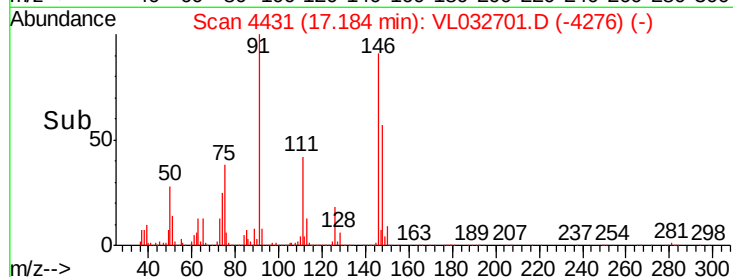
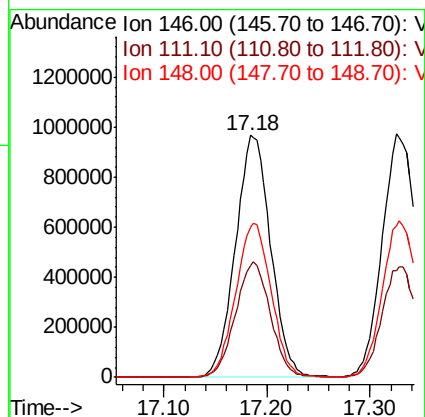
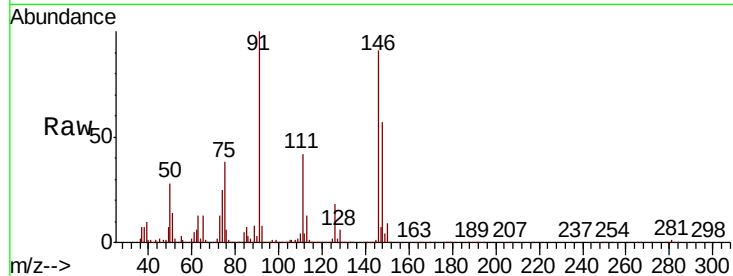
#75
 1,3-Dichlorobenzene
 Concen: 9.358 ppbv
 RT: 17.18 min Scan# 4431
 Delta R.T. -0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1030ABS01

Tot Ion:146 Resp: 2301664
 Ion Ratio Lower Upper
 146 100
 111 47.4 24.4 73.2
 148 64.3 31.9 95.9

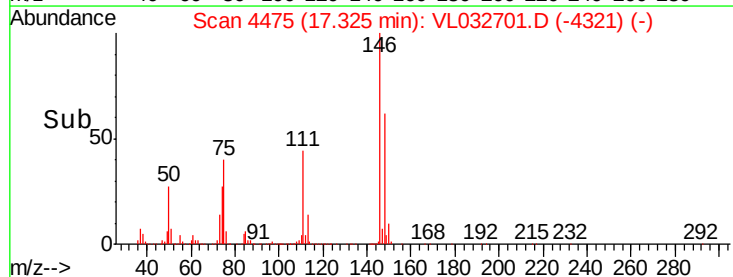
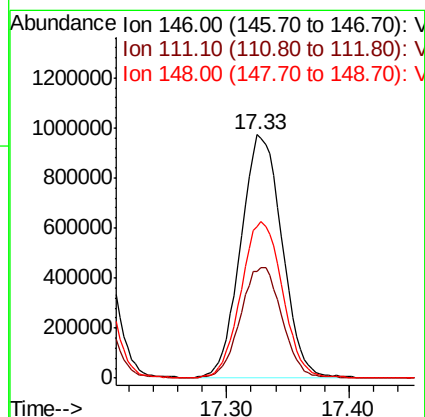
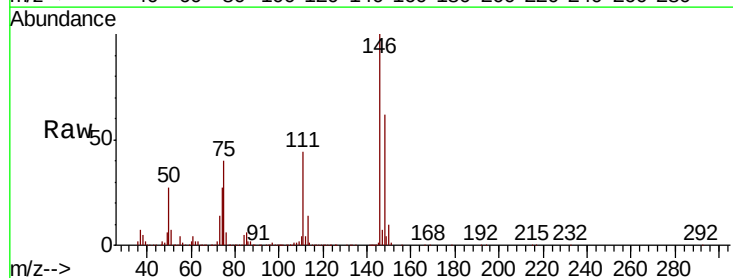
Manual Integrations
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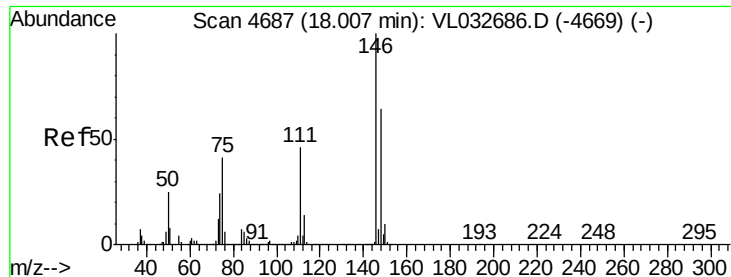
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 10/31/2018 10:39:59 AM



#76
 1,4-Dichlorobenzene
 Concen: 9.961 ppbv
 RT: 17.33 min Scan# 4475
 Delta R.T. -0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Tgt Ion:146 Resp: 2260944
 Ion Ratio Lower Upper
 146 100
 111 45.9 23.7 71.1
 148 65.2 32.1 96.3





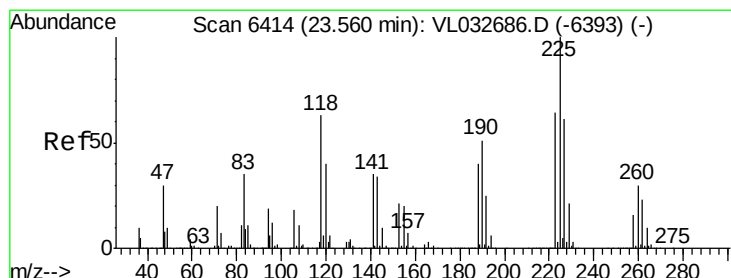
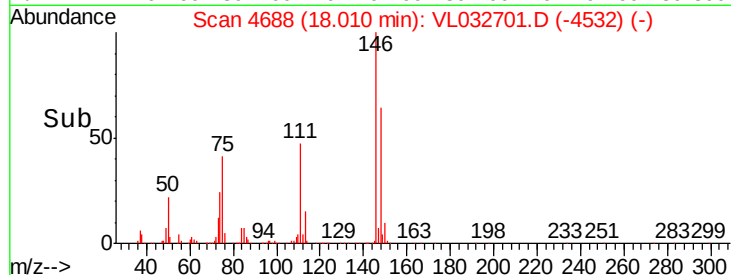
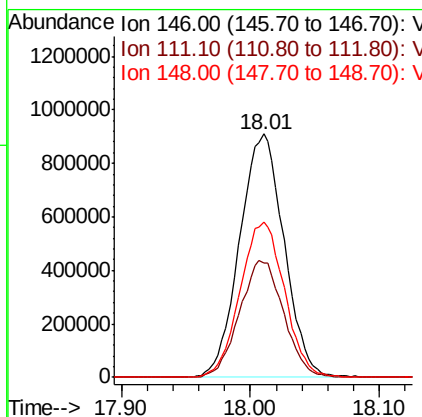
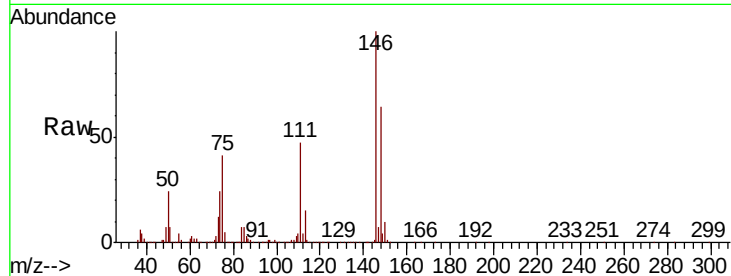
#77
 1,2-Dichlorobenzene
 Concen: 9.317 ppbv
 RT: 18.01 min Scan# 4688
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1030ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	25.3	75.8
148	64.3	31.9	95.9

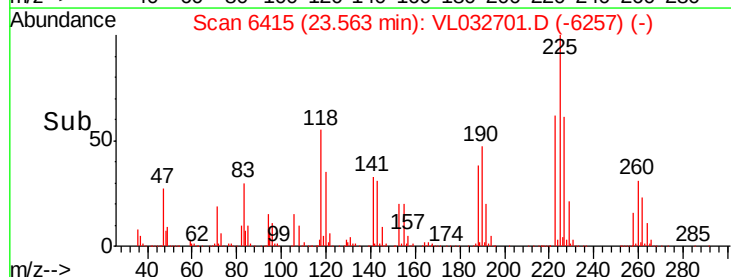
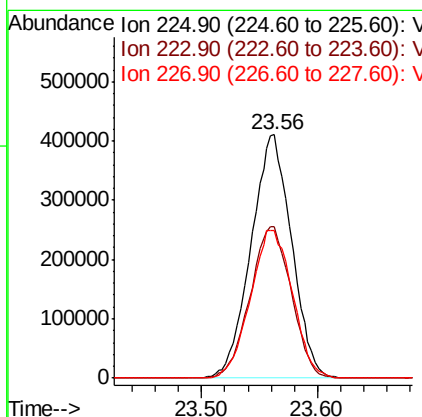
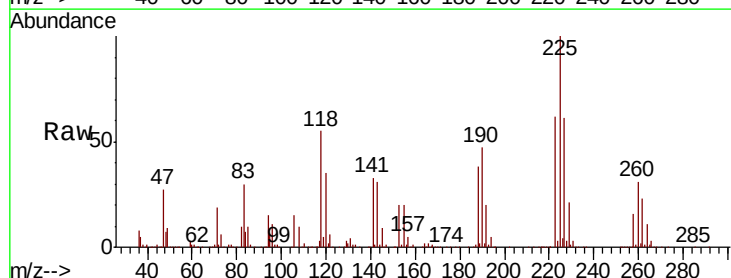
Manual Integrations
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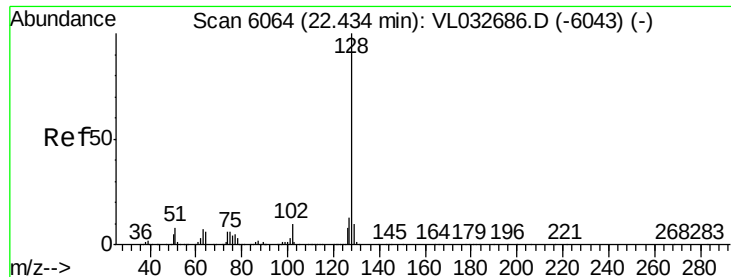
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.044 ppbv
 RT: 23.56 min Scan# 6415
 Delta R.T. 0.01 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.3	50.7	76.1
227	63.2	50.7	76.1





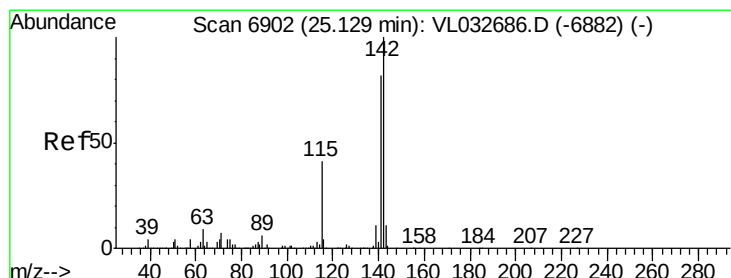
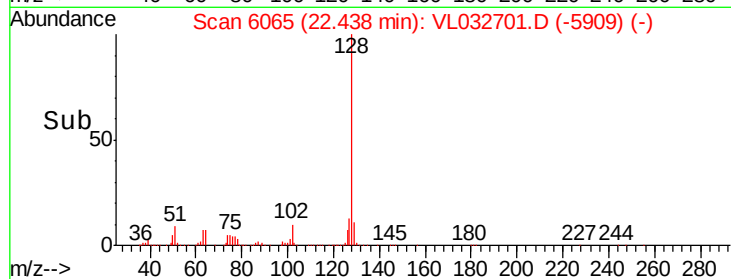
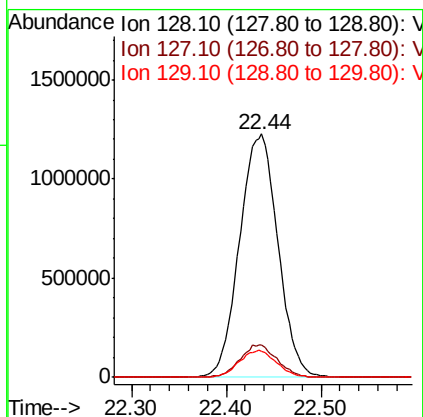
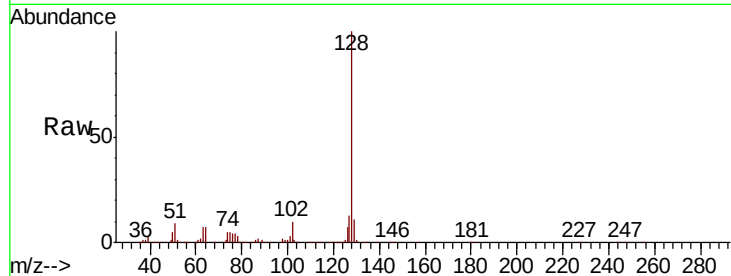
#79
Naphthalene
Concen: 12.972 ppbv
RT: 22.44 min Scan# 6065
Delta R.T. 0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Instrument :
MSVOA_L
ClientSampleId :
VL1030ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	10.9	8.6	13.0

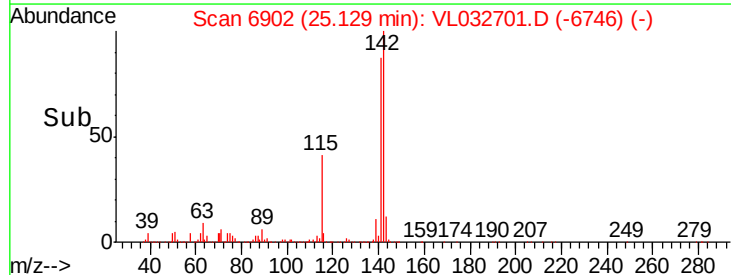
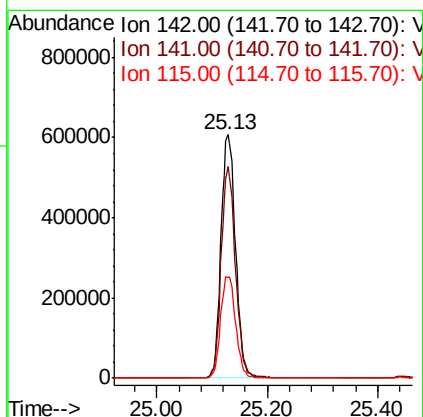
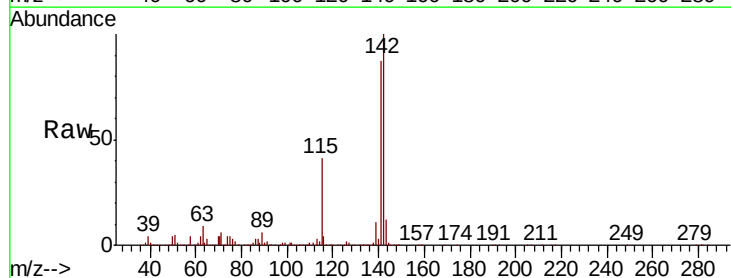
Manual Integrations
APPROVED

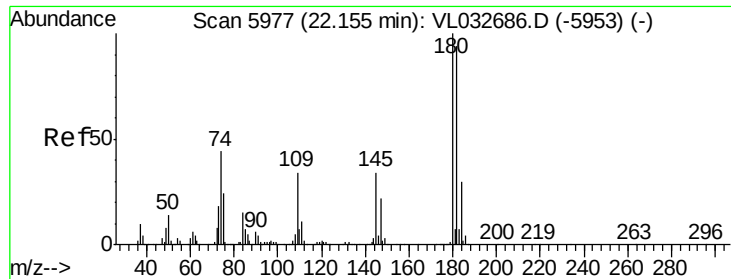
MMDadoda
10/31/2018 10:39:59 AM



#80
Naphthalene, 2-methyl-
Concen: 17.096 ppbv
RT: 25.13 min Scan# 6902
Delta R.T. 0.00 min
Lab File: VL032701.D
Acq: 30 Oct 2018 16:05

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	67.5	101.3
115	43.1	33.5	50.3





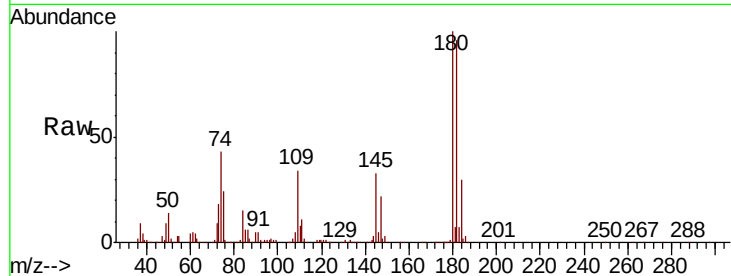
#81
 1,2,4-Trichlorobenzene
 Concen: 11.871 ppbv
 RT: 22.16 min Scan# 5978
 Delta R.T. 0.00 min
 Lab File: VL032701.D
 Acq: 30 Oct 2018 16:05

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1030ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.9	76.5	114.7
184	30.1	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 10/31/2018 10:39:59 AM



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 184.00 (183.70 to 184.70): V

