

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL102418\
 Data File : VL032697.D
 Acq On : 25 Oct 2018 9:57
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 10/26/2018 3:41:04 PM

Quant Time: Oct 25 22:03:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 25 2018
 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	5.77	49	1472713	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3685930	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3859783m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2799608	9.74	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.08	85	1054246	7.026	ppbv	100
3) Chlorodifluoromethane	3.02	51	1064195	9.240	ppbv	100
4) Chloromethane	3.18	50	611022	9.493	ppbv	100
5) Vinyl Chloride	3.30	62	620156	8.895	ppbv	98
6) Bromomethane	3.52	94	391981	9.018	ppbv	89
7) Chloroethane	3.61	64	231724	9.026	ppbv	99
8) Dichlorotetrafluoroethane	3.23	85	1453409	9.190	ppbv	91
9) Propene	3.04	41	471841	9.955	ppbv	100
10) Heptane	8.26	43	1964373	10.755	ppbv	98
11) Trichlorofluoromethane	4.01	101	1550930	7.913	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1130396	6.935	ppbv	91
13) Ethanol	3.66	45	126603	9.346	ppbv	97
14) Bromoethene	3.80	108	496552	9.014	ppbv	99
15) Acetone	3.91	43	1067203	7.847	ppbv	99
16) 1,3-Butadiene	3.37	39	523154	10.457	ppbv	81
17) tert-Butyl alcohol	4.37	59	346102	8.653	ppbv #	100
18) 1,1-Dichloroethene	4.36	96	528990	7.388	ppbv	97
19) Isopropyl Alcohol	4.03	45	854165	8.820	ppbv #	97
20) Methylene Chloride	4.42	84	453467	6.569	ppbv	94
21) Allyl Chloride	4.49	41	870822	7.799	ppbv	99
22) trans-1,2-Dichloroethene	4.97	96	651919	8.876	ppbv	89
23) Vinyl Acetate	5.16	43	2592882	10.760	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1857143	9.817	ppbv	99
25) Ethyl Acetate	5.78	43	3109608	9.934	ppbv	99
26) Hexane	5.79	57	1429705	9.653	ppbv	98
27) Carbon Disulfide	4.63	76	1960599	10.912	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2257363	10.605	ppbv	99
29) Chloroform	5.86	83	2234113	9.443	ppbv	100
30) Cyclohexane	7.26	84	1286326	10.972	ppbv	98
31) cis-1,2-Dichloroethene	5.65	61	1497772	10.906	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	2349725	9.773	ppbv	98
34) 2-Butanone	5.34	43	1984068	10.041	ppbv	100
35) Carbon Tetrachloride	7.15	117	2491640	9.525	ppbv	99
36) Benzene	7.02	78	2991217	9.993	ppbv	99
37) 1,2-Dichloroethane	6.43	62	1791453	9.758	ppbv	98
38) Trichloroethene	7.97	130	1202859	10.856	ppbv	97
39) 1,2-Dichloropropane	7.75	63	1166403	10.091	ppbv	96
40) 1,4-Dioxane	7.97	88	392317	9.938	ppbv #	1
41) Tetrahydrofuran	6.16	42	1153492	10.476	ppbv	99
42) Bromodichloromethane	7.93	83	2543059	9.887	ppbv	98
43) Methyl Methacrylate	8.15	69	1231884	11.230	ppbv	96

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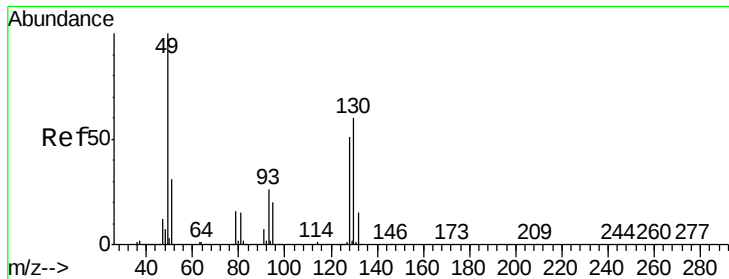
Manual Integrations
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MMDadoda
 10/26/2018 3:41:04 PM

Quant Time: Oct 25 22:03:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Oct 25 2018
 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	8.00	57	5150567	10.080	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1692728	11.528	ppbv	98
46) cis-1,3-Dichloropropene	8.85	75	1901304	11.333	ppbv	100
47) 1,1,2-Trichloroethane	9.63	97	1378661	10.095	ppbv	97
48) Dibromochloromethane	10.47	129	2467204	10.838	ppbv	100
49) Bromoform	13.22	173	1888952	10.559	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2973400	10.158	ppbv	99
51) 2-Hexanone	10.28	43	2555204	11.742	ppbv #	97
52) Tetrachloroethene	11.39	164	1083606	10.384	ppbv	97
53) Toluene	9.96	91	3895740	11.354	ppbv	99
54) 1,2-Dibromoethane	10.78	107	1937297	10.437	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1595022	9.450	ppbv	98
57) Chlorobenzene	12.32	112	2714547	9.563	ppbv #	93
58) Ethyl Benzene	12.88	91	4815292	10.739	ppbv	100
59) m/p-Xylene	13.16	91	8031479m	20.114	ppbv	
60) o-Xylene	13.87	91	3813133	9.900	ppbv	99
61) Styrene	13.70	104	2922255	11.315	ppbv	98
62) Isopropylbenzene	14.84	105	5360422	9.833	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2613000	8.658	ppbv	99
64) n-propylbenzene	15.74	120	1372333	10.129	ppbv	94
65) tert-Butylbenzene	16.92	119	4541245	9.782	ppbv	96
66) Benzyl Chloride	17.17	91	2659470	11.095	ppbv	98
67) sec-Butylbenzene	17.47	105	6381372	9.664	ppbv	99
69) p-Isopropyltoluene	17.83	119	5172283	9.885	ppbv	99
70) n-Butylbenzene	18.73	91	5222544	9.695	ppbv	99
71) 2-Chlorotoluene	15.63	91	3972547	10.254	ppbv	98
72) 4-Ethyltoluene	16.02	105	4343229	10.587	ppbv	99
73) 1,3,5-Trimethylbenzene	16.17	105	4049479	10.134	ppbv	95
74) 1,2,4-Trimethylbenzene	16.94	105	4113693	9.640	ppbv	95
75) 1,3-Dichlorobenzene	17.18	146	2301960	9.381	ppbv	98
76) 1,4-Dichlorobenzene	17.33	146	2286978	10.100	ppbv	98
77) 1,2-Dichlorobenzene	18.01	146	2173285	9.349	ppbv	98
78) Hexachloro-1,3-Butadiene	23.56	225	1377566	12.541	ppbv	100
79) Naphthalene	22.43	128	3405179	12.839	ppbv	99
80) Naphthalene, 2-methyl-	25.13	142	1406525	21.808	ppbv	99
81) 1,2,4-Trichlorobenzene	22.15	180	1694075	12.333	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.01 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 49 Resp: 1472713

Ion Ratio Lower Upper

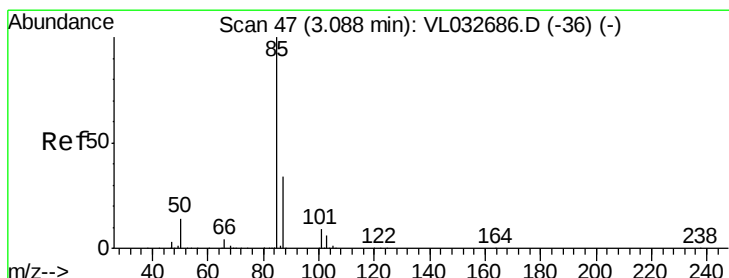
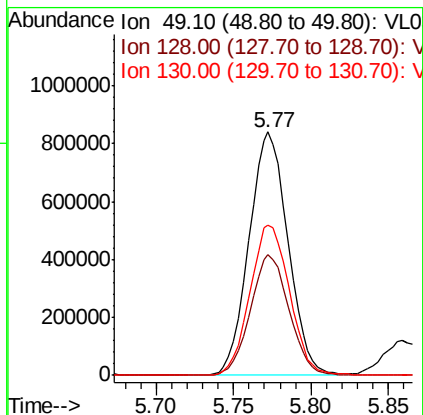
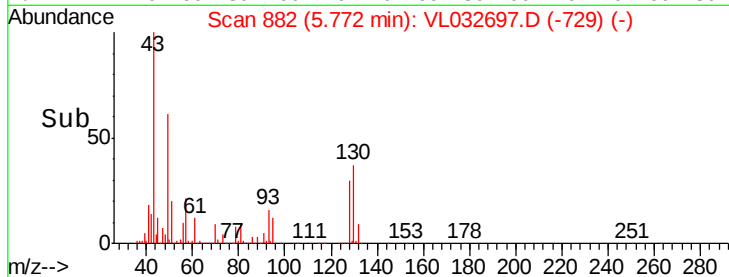
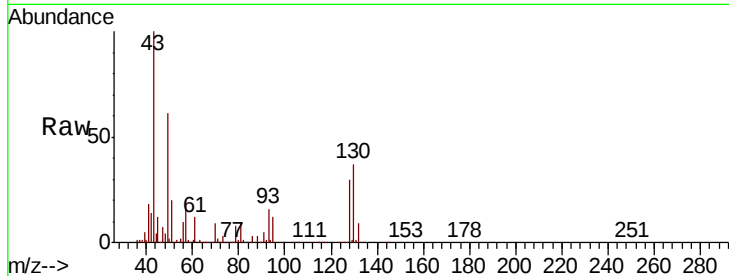
49 100

128 49.5 22.3 66.8

130 63.0 28.4 85.3

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#2

Dichlorodifluoromethane

Concen: 7.026 ppbv

RT: 3.08 min Scan# 46

Delta R.T. -0.00 min

Lab File: VL032697.D

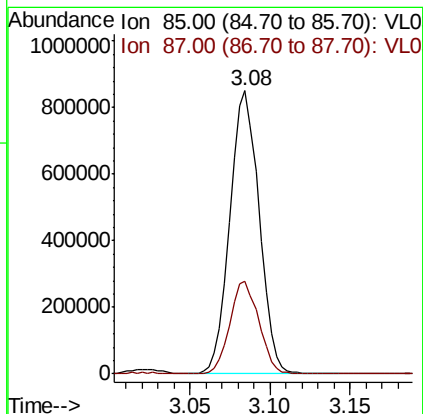
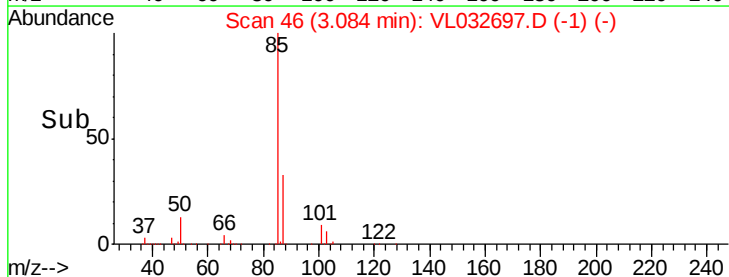
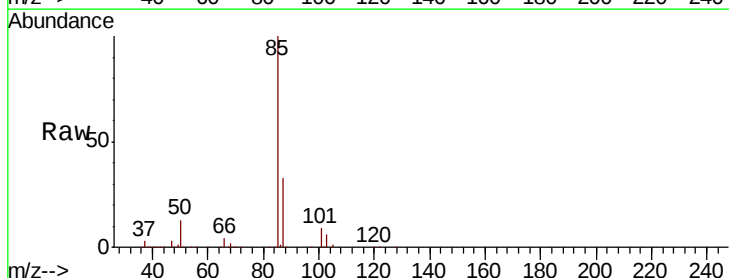
Acq: 25 Oct 2018 9:57

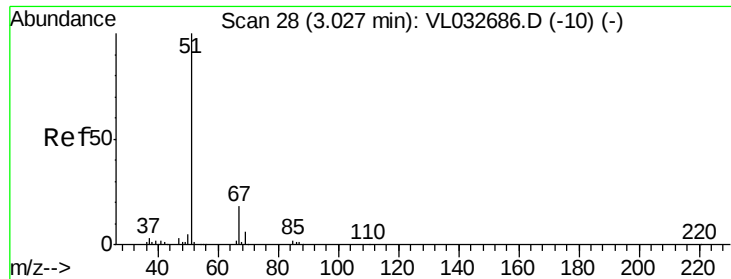
Tgt Ion: 85 Resp: 1054246

Ion Ratio Lower Upper

85 100

87 32.7 26.2 39.2





#3

Chlorodifluoromethane

Concen: 9.240 ppbv

RT: 3.02 min Scan# 26

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Tgt Ion: 51 Resp: 1064195

Ion Ratio Lower Upper

51 100

67 18.9 15.2 22.8

Instrument :

MSVOA_L

ClientSampleId :

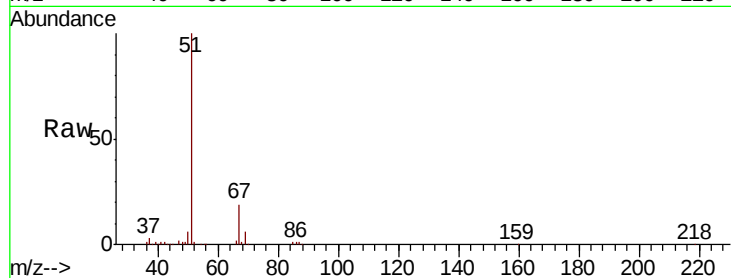
VSTDCCC010EC

Manual Integrations

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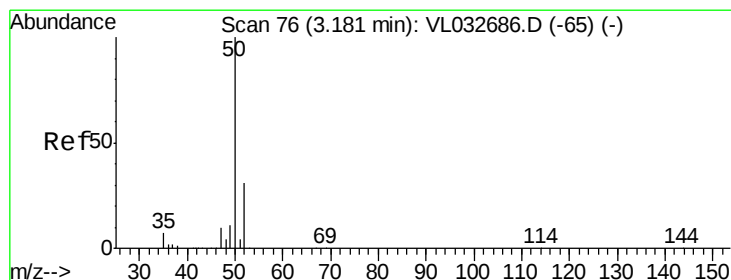
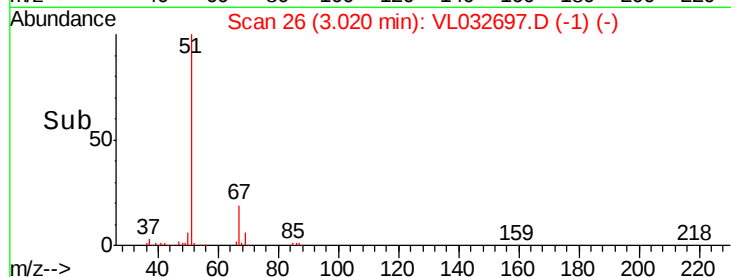
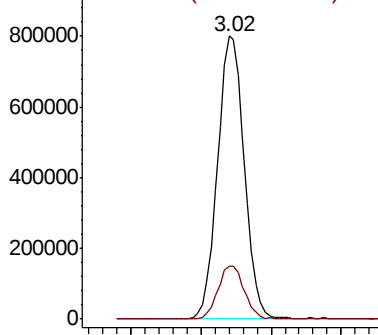
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.493 ppbv

RT: 3.18 min Scan# 75

Delta R.T. -0.00 min

Lab File: VL032697.D

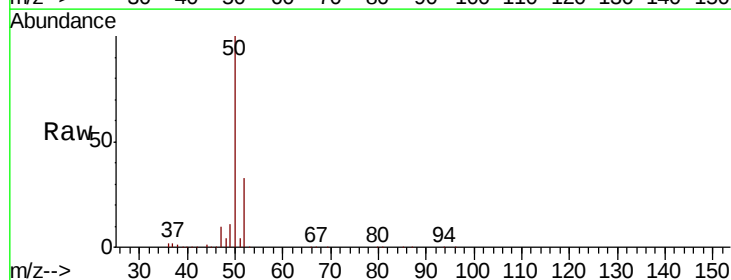
Acq: 25 Oct 2018 9:57

Tgt Ion: 50 Resp: 611022

Ion Ratio Lower Upper

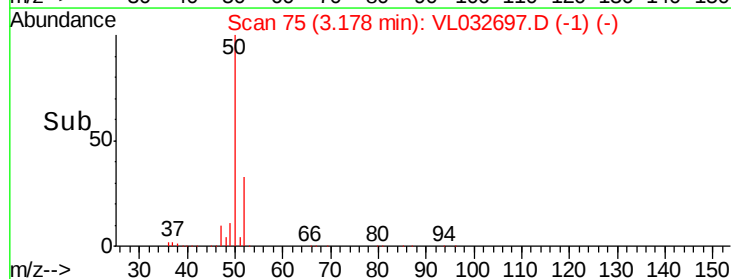
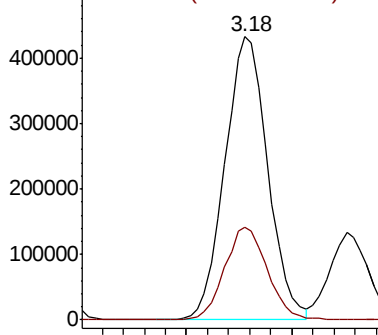
50 100

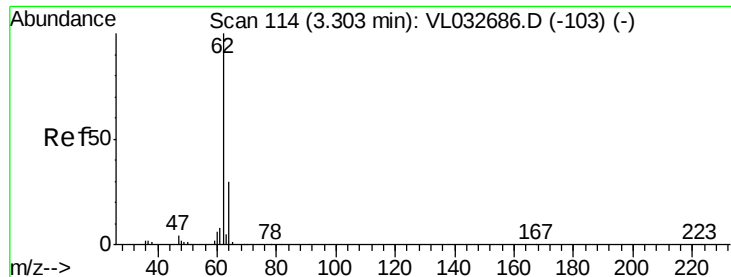
52 32.6 25.9 38.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.895 ppbv

RT: 3.30 min Scan# 113

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 620156

Ion Ratio Lower Upper

62 100

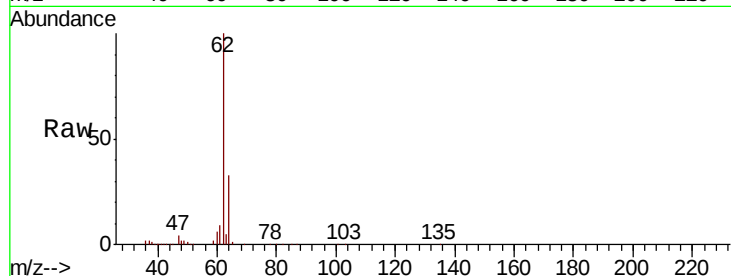
64 33.1 25.5 38.3

Manual Integrations

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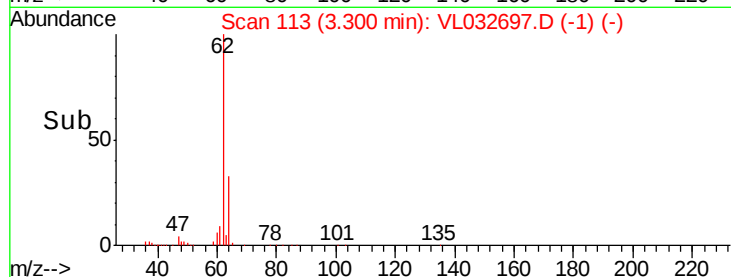
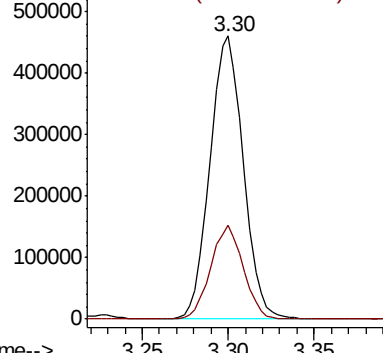
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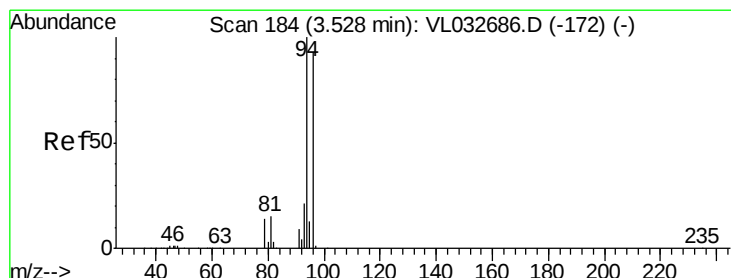


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 9.018 ppbv

RT: 3.52 min Scan# 182

Delta R.T. -0.00 min

Lab File: VL032697.D

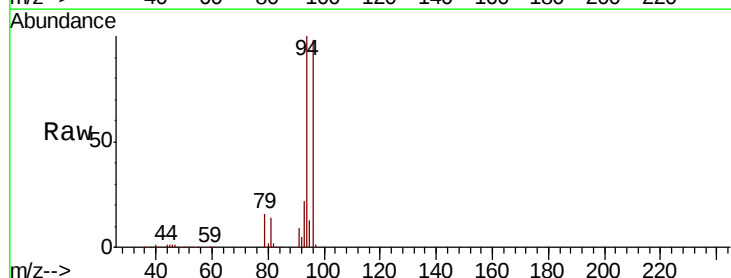
Acq: 25 Oct 2018 9:57

Tgt Ion: 94 Resp: 391981

Ion Ratio Lower Upper

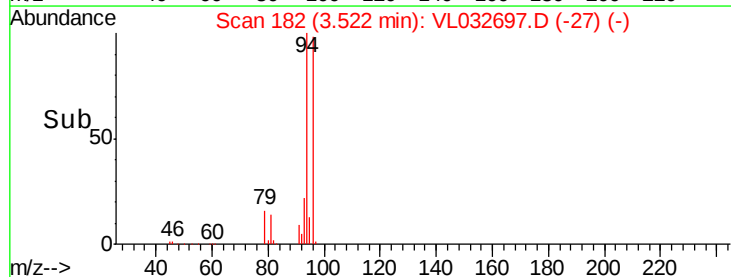
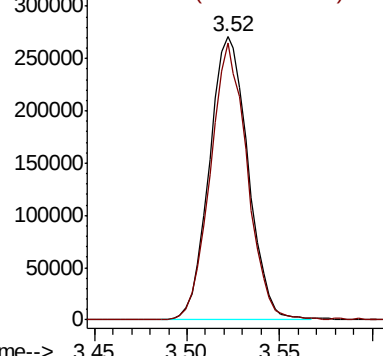
94 100

96 97.8 69.8 104.8

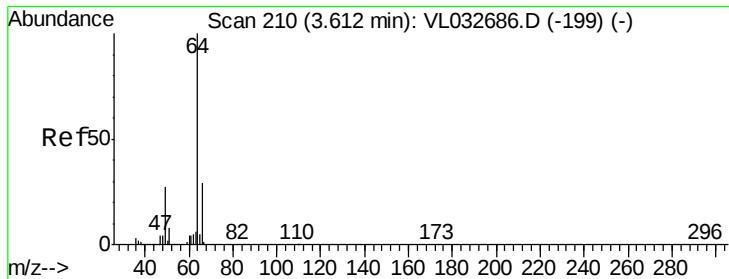


Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->



#7

Chloroethane

Concen: 9.026 ppbv

RT: 3.61 min Scan# 209

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 231724

Ion Ratio Lower Upper

64 100

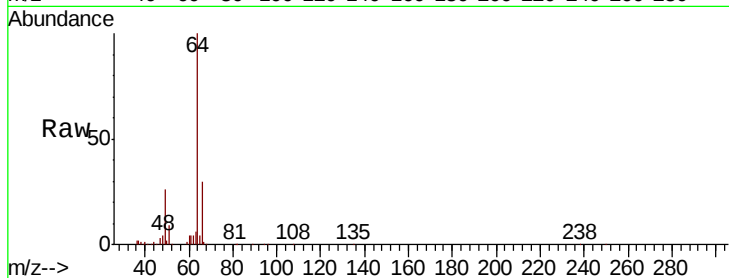
66 30.1 24.4 36.6

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

200000

150000

100000

50000

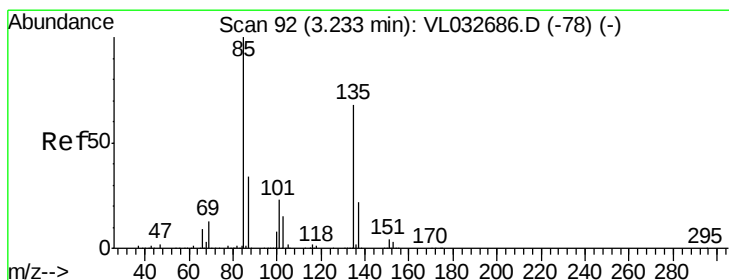
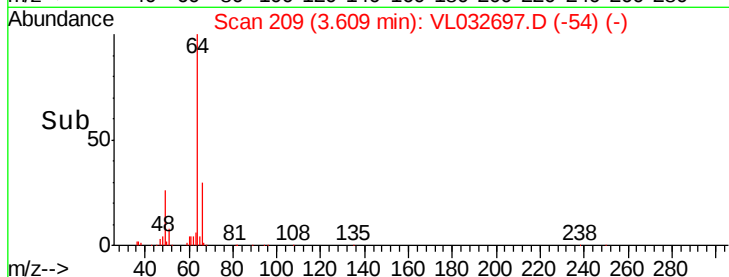
0

3.55

3.60

3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.190 ppbv

RT: 3.23 min Scan# 91

Delta R.T. -0.00 min

Lab File: VL032697.D

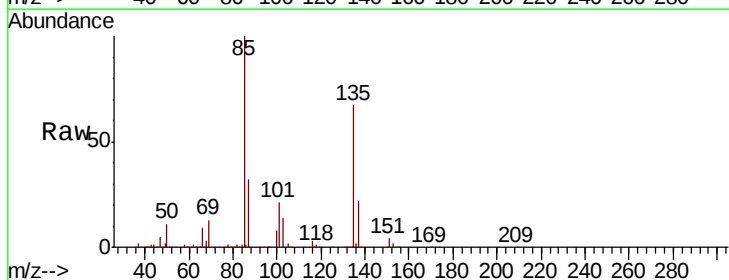
Acq: 25 Oct 2018 9:57

Tgt Ion: 85 Resp: 1453409

Ion Ratio Lower Upper

85 100

135 68.1 49.0 73.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

600000

400000

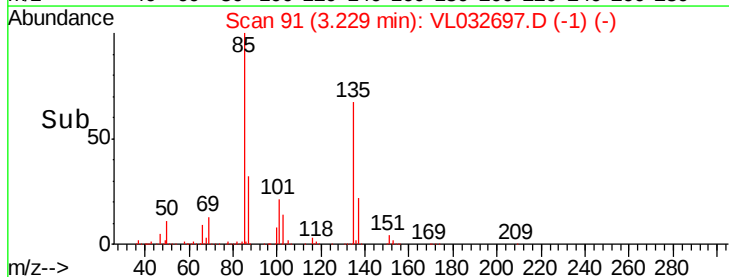
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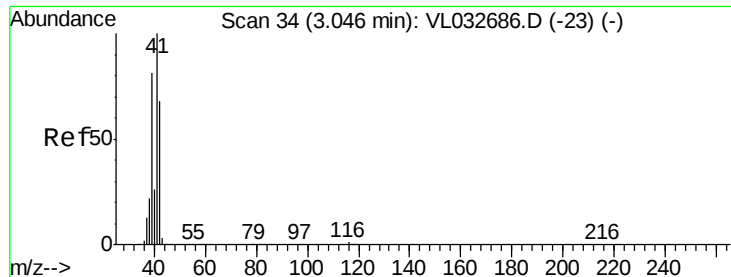
0

3.20

3.25

Time-->





#9

Propene

Concen: 9.955 ppbv

RT: 3.04 min Scan# 33

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 471841

Ion Ratio Lower Upper

41 100

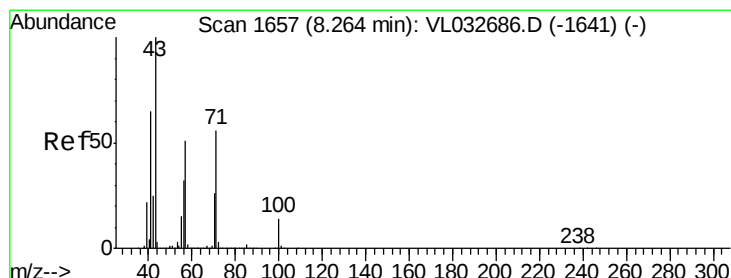
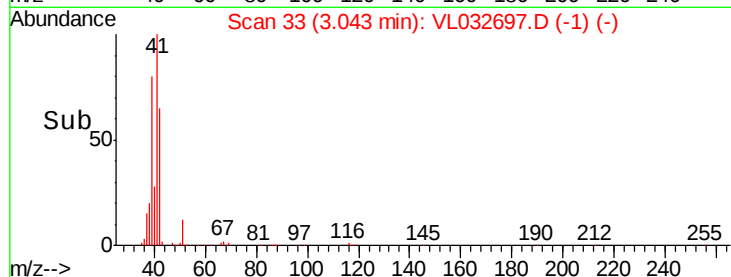
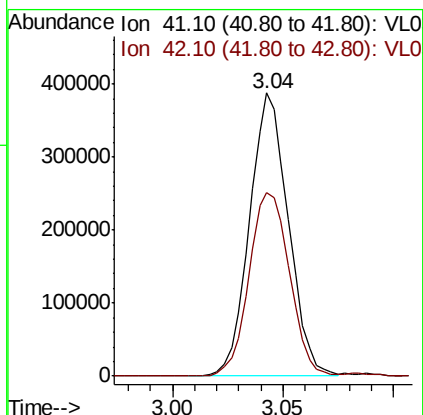
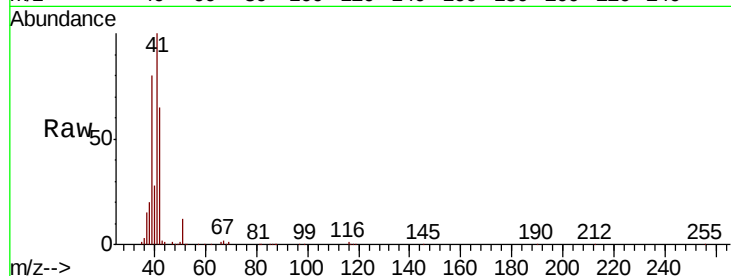
42 68.9 55.4 83.0

Manual Integrations

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10/26/2018 3:41:04 PM



#10

Heptane

Concen: 10.755 ppbv

RT: 8.26 min Scan# 1656

Delta R.T. -0.00 min

Lab File: VL032697.D

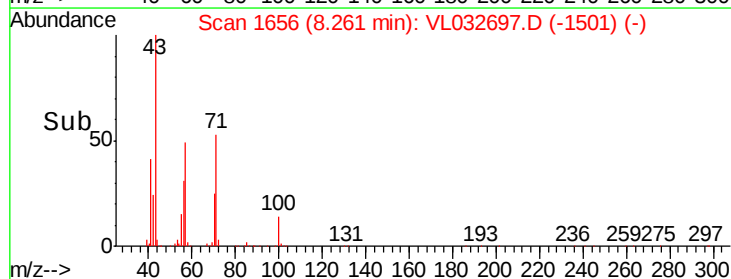
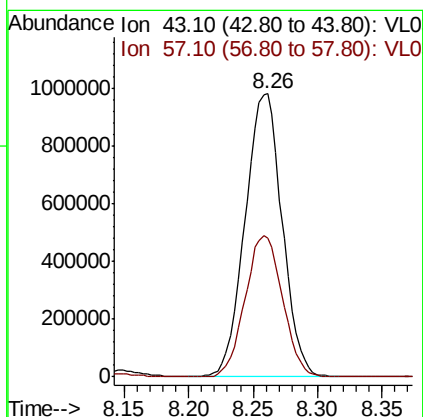
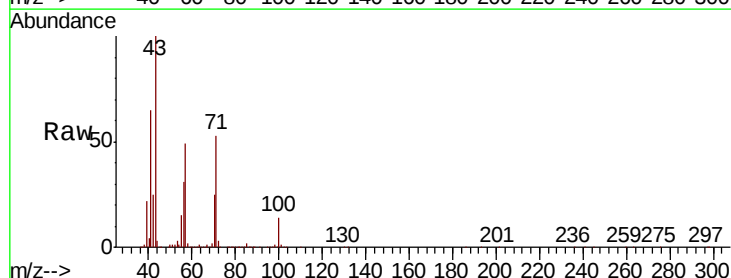
Acq: 25 Oct 2018 9:57

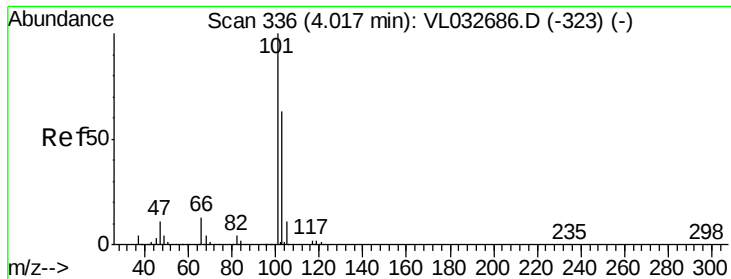
Tgt Ion: 43 Resp: 1964373

Ion Ratio Lower Upper

43 100

57 50.4 41.5 62.3





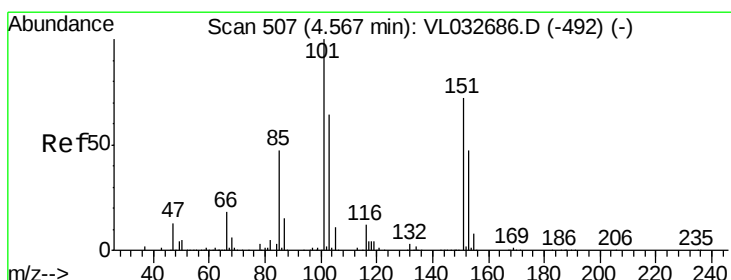
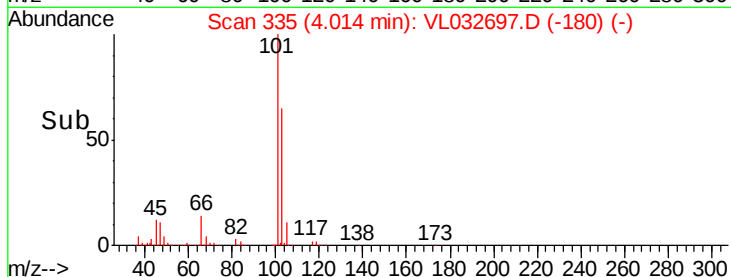
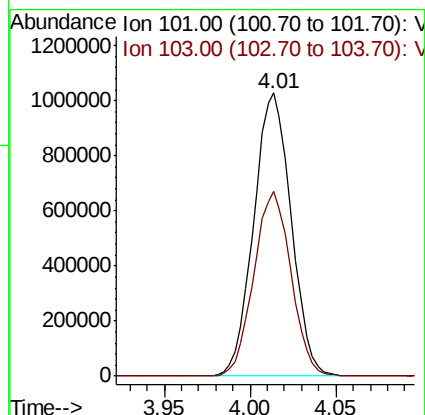
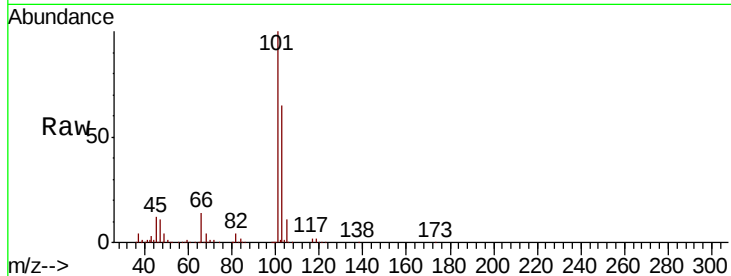
#11
 Trichlorofluoromethane
 Concen: 7.913 ppbv
 RT: 4.01 min Scan# 335
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:101 Resp: 1550930
 Ion Ratio Lower Upper
 101 100
 103 65.4 51.4 77.2

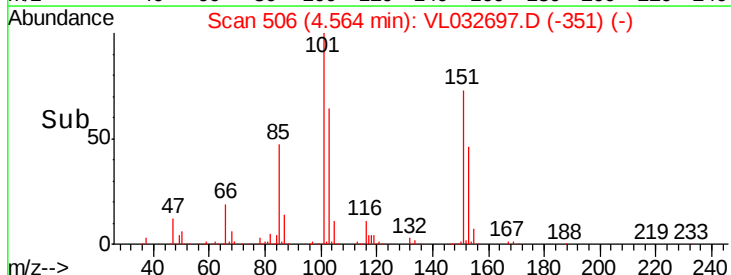
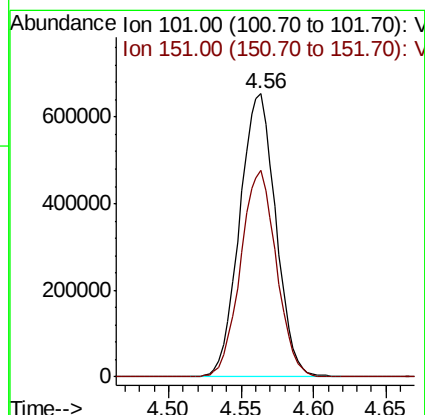
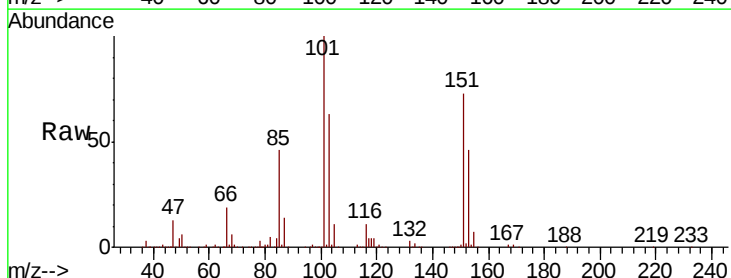
Manual Integrations
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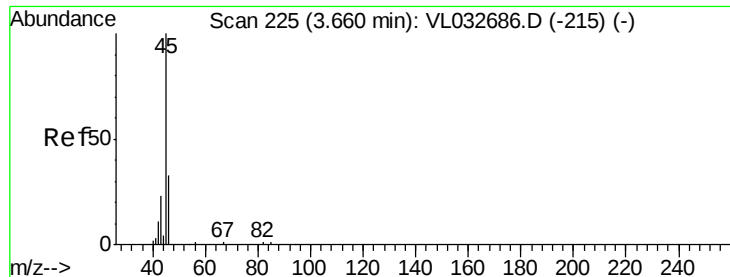
MMDadoda
 10/26/2018 3:41:04 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 6.935 ppbv
 RT: 4.56 min Scan# 506
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Tgt Ion:101 Resp: 1130396
 Ion Ratio Lower Upper
 101 100
 151 72.7 52.3 78.5





#13

Ethanol

Concen: 9.346 ppbv

RT: 3.66 min Scan# 224

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 45 Resp: 126603

Ion Ratio Lower Upper

45 100

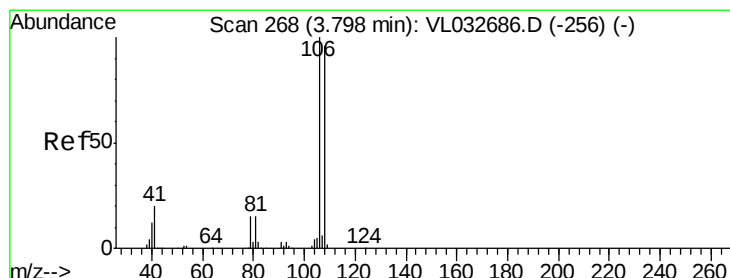
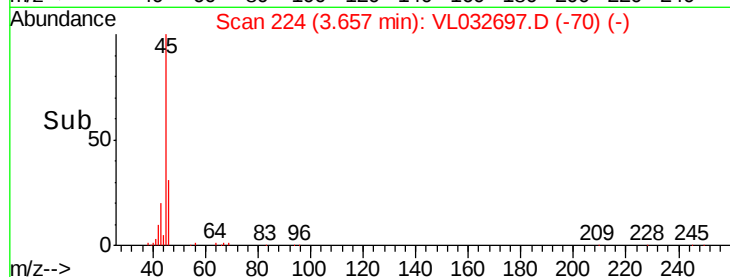
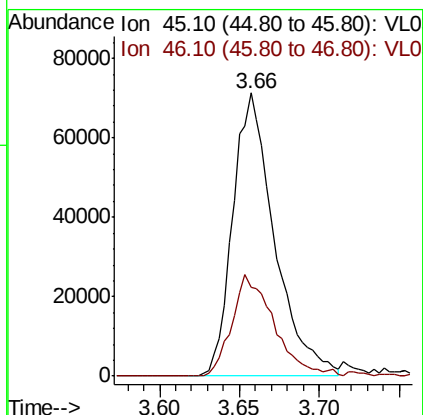
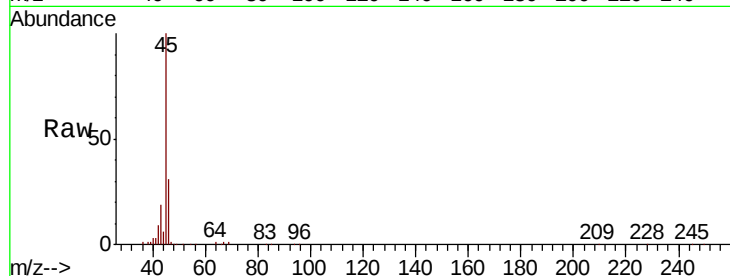
46 37.0 15.4 61.8

Manual Integrations

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#14

Bromoethene

Concen: 9.014 ppbv

RT: 3.80 min Scan# 267

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

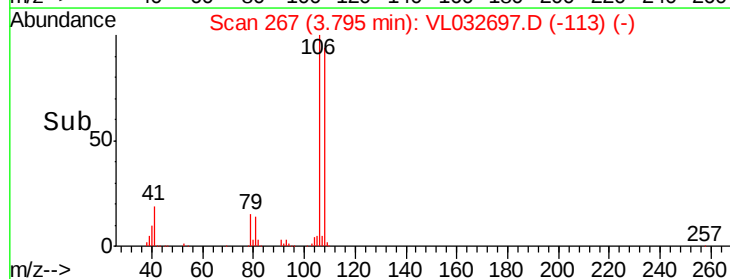
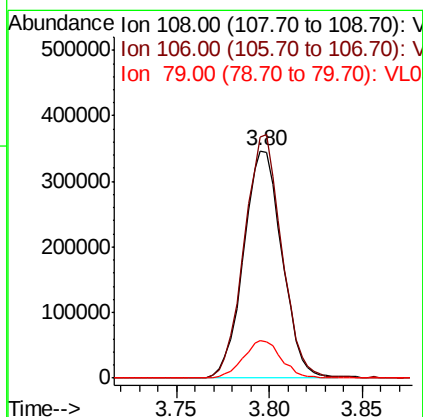
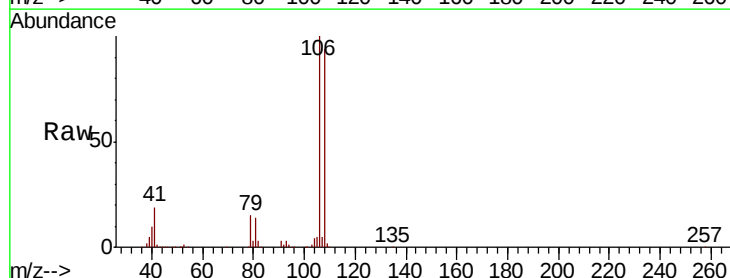
Tgt Ion: 108 Resp: 496552

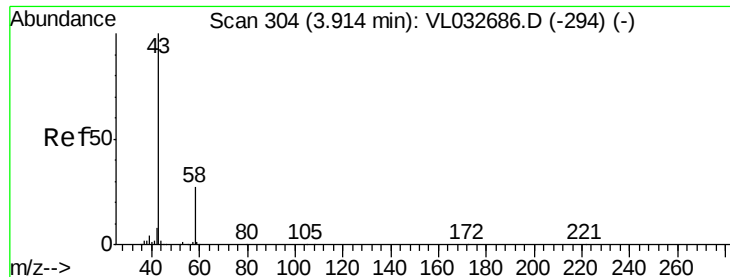
Ion Ratio Lower Upper

108 100

106 105.4 85.0 127.4

79 16.5 13.7 20.5





#15

Acetone

Concen: 7.847 ppbv

RT: 3.91 min Scan# 302

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Tgt Ion: 43 Resp: 1067203

Ion Ratio Lower Upper

43 100

58 27.2 22.1 33.1

Instrument :

MSVOA_L

ClientSampleId :

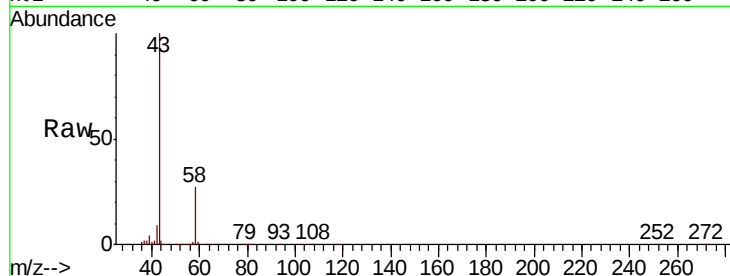
VSTDCCC010EC

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.91

800000

600000

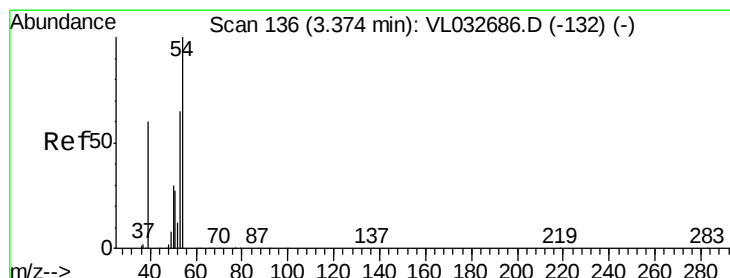
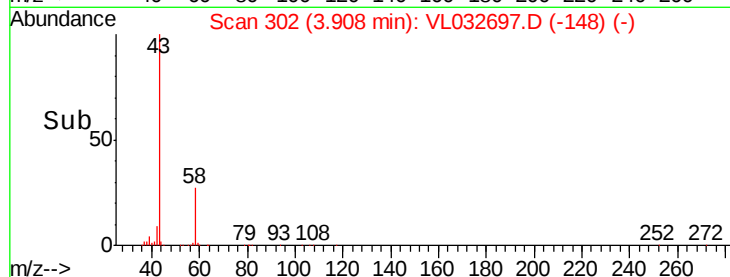
400000

200000

0

3.85 3.90 3.95 4.00

Time-->



#16

1,3-Butadiene

Concen: 10.457 ppbv

RT: 3.37 min Scan# 135

Delta R.T. -0.00 min

Lab File: VL032697.D

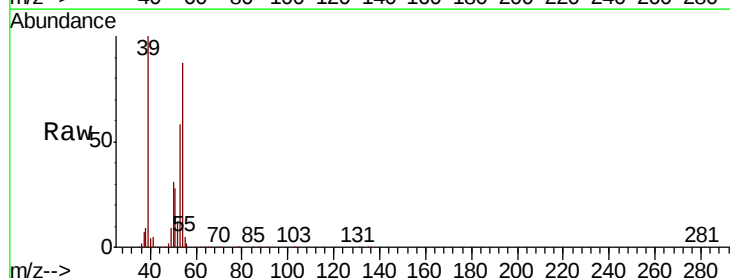
Acq: 25 Oct 2018 9:57

Tgt Ion: 39 Resp: 523154

Ion Ratio Lower Upper

39 100

54 92.4 90.4 135.6



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.37

400000

300000

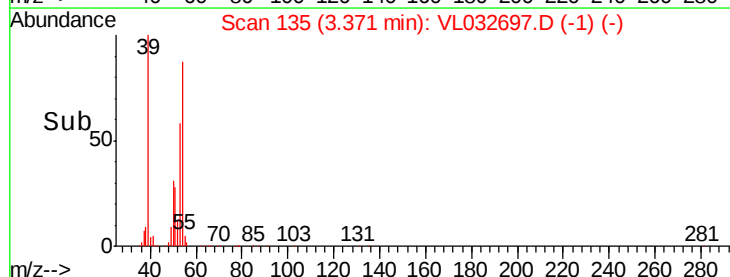
200000

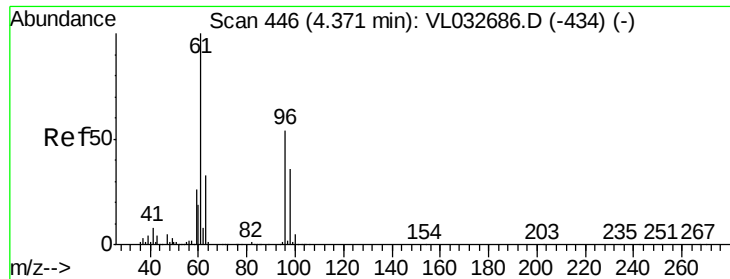
100000

0

3.34 3.36 3.38 3.40 3.42

Time-->





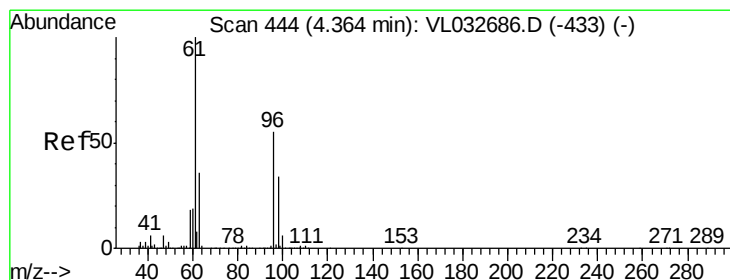
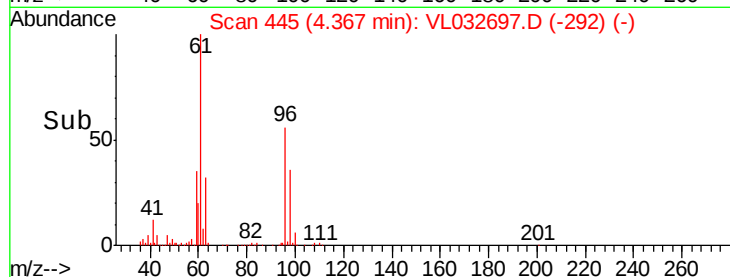
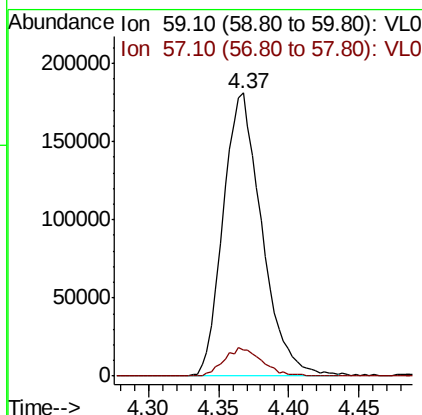
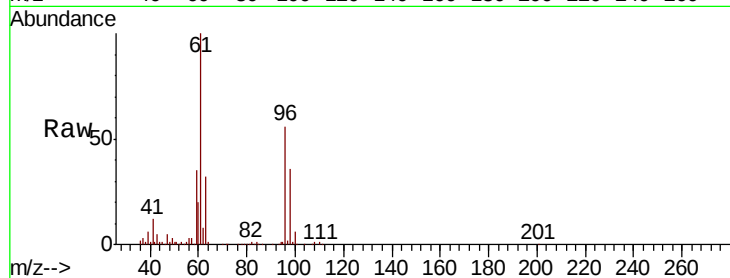
#17
tert-Butyl alcohol
Concen: 8.653 ppbv
RT: 4.37 min Scan# 445
Delta R.T. -0.01 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 346102
Ion Ratio Lower Upper
59 100
57 10.2 0.0 0.0#

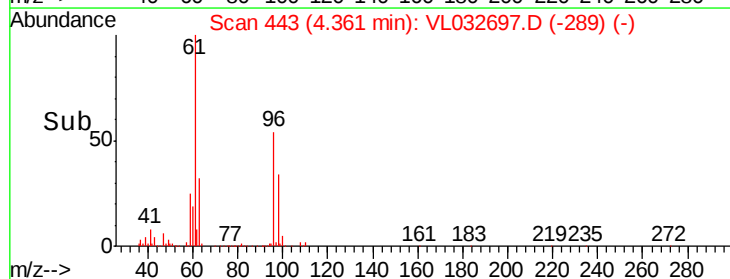
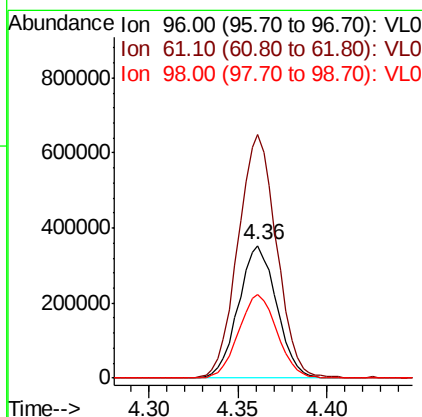
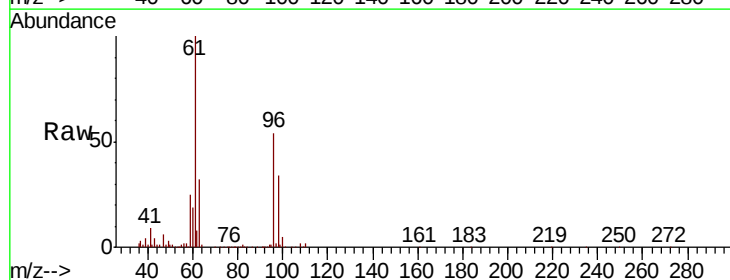
Manual Integrations
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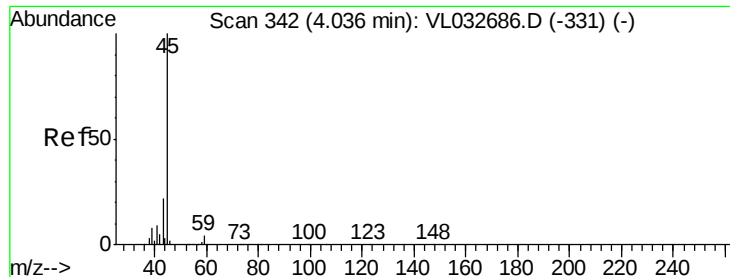
MMDadoda
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#18
1,1-Dichloroethene
Concen: 7.388 ppbv
RT: 4.36 min Scan# 443
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Tgt Ion: 96 Resp: 528990
Ion Ratio Lower Upper
96 100
61 183.5 151.6 227.4
98 62.7 50.6 75.8





#19

Isopropyl Alcohol

Concen: 8.820 ppbv

RT: 4.03 min Scan# 340

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 45 Resp: 854165

Ion Ratio Lower Upper

45 100

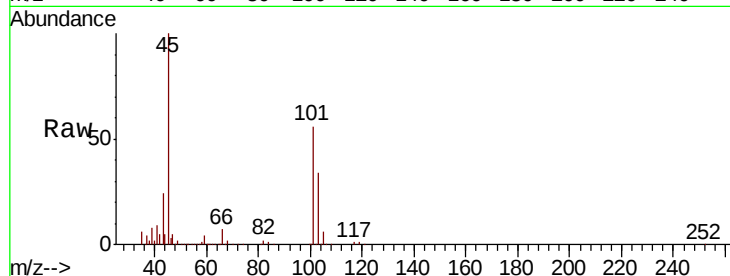
58 1.4 2.0 3.0#

Manual Integrations

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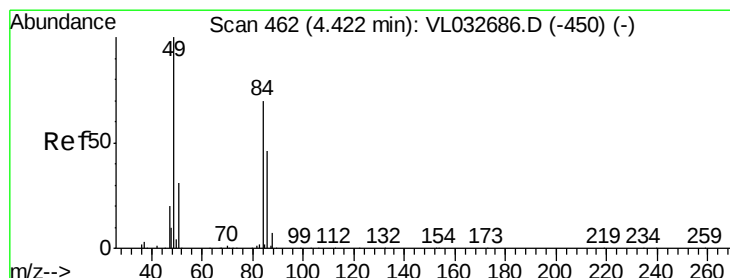
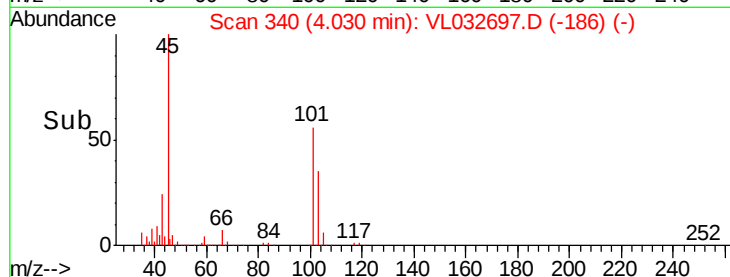
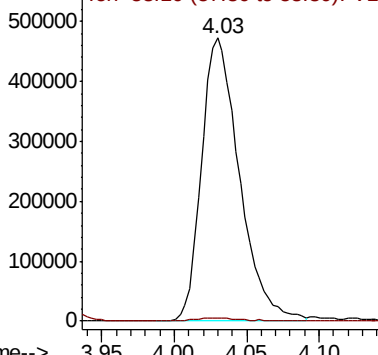
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 6.569 ppbv

RT: 4.42 min Scan# 460

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Tgt Ion: 84 Resp: 453467

Ion Ratio Lower Upper

84 100

49 149.1 113.5 170.3

51 44.8 34.8 52.2

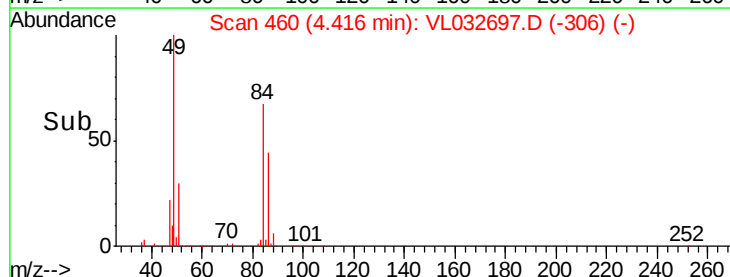
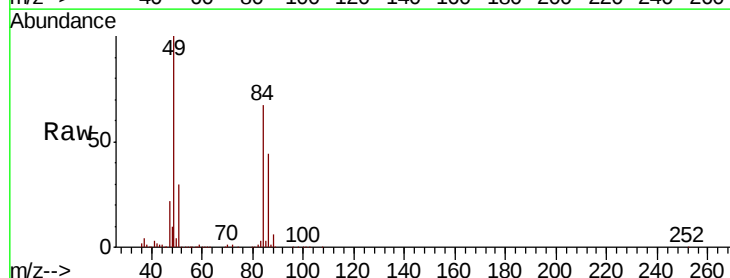
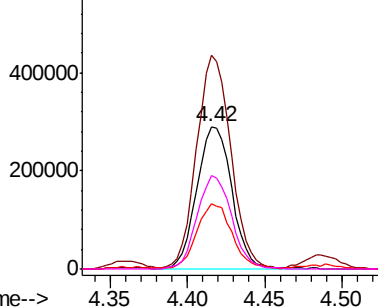
86 65.7 47.9 71.9

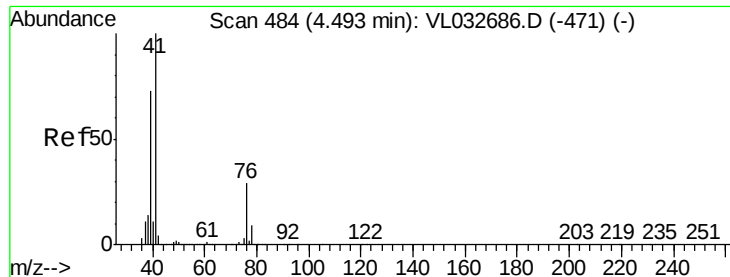
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allyl Chloride

Concen: 7.799 ppbv

RT: 4.49 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

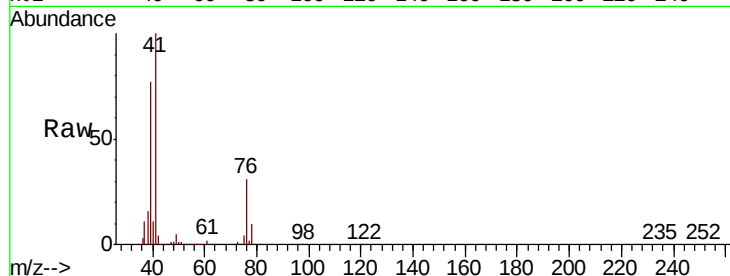
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	41	Resp:	870822
Ion Ratio		Lower	Upper
41	100		
76	30.4	24.3	36.5
39	76.4	60.3	90.5

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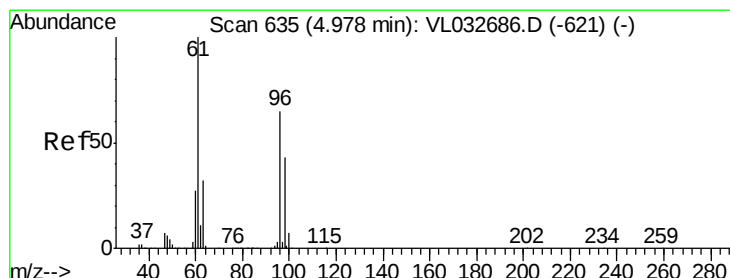
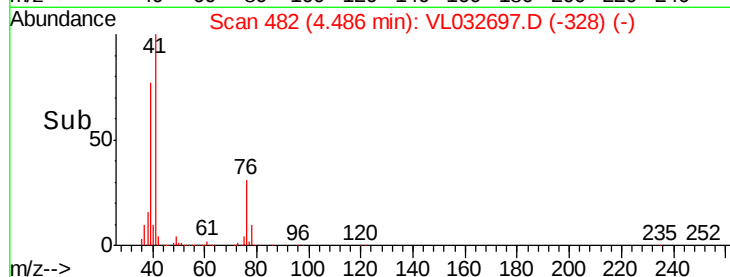
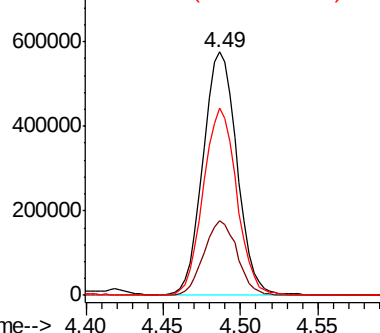


Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 8.876 ppbv

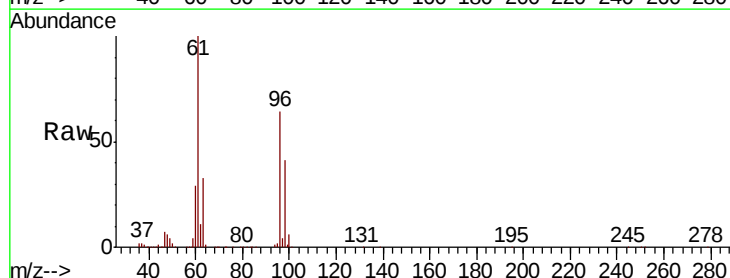
RT: 4.97 min Scan# 633

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Tgt Ion:	96	Resp:	651919
Ion Ratio		Lower	Upper
96	100		
61	156.2	140.4	210.6
98	64.8	55.0	82.6

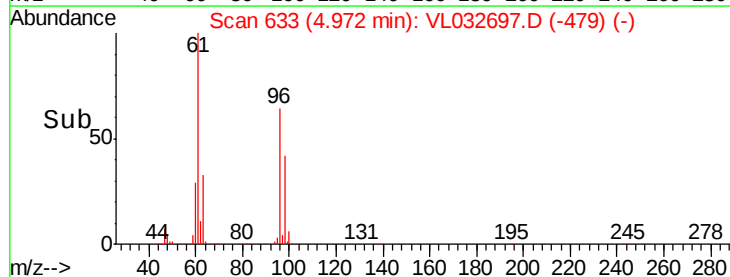
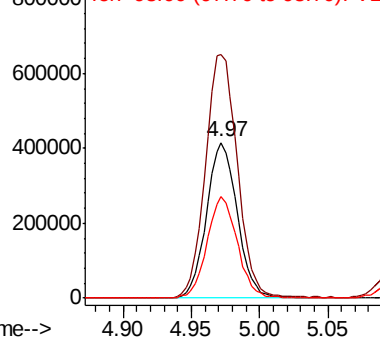


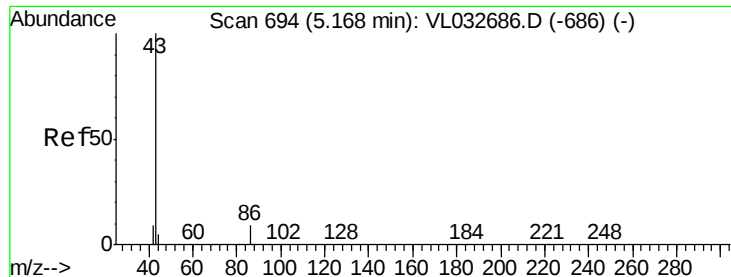
Abundance

Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 10.760 ppbv

RT: 5.16 min Scan# 692

Delta R.T. -0.01 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 2592882

Ion Ratio Lower Upper

43 100

86 7.6 6.1 9.1

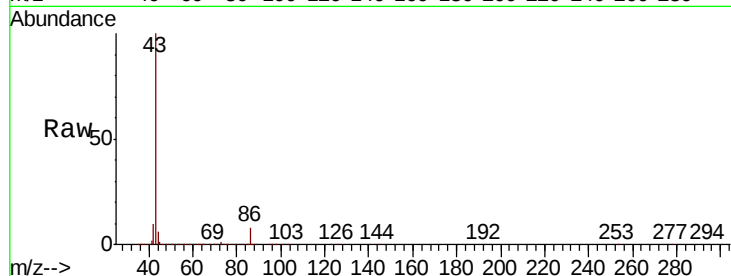
42 9.7 7.4 11.2

44 5.4 4.2 6.2

Manual Integrations
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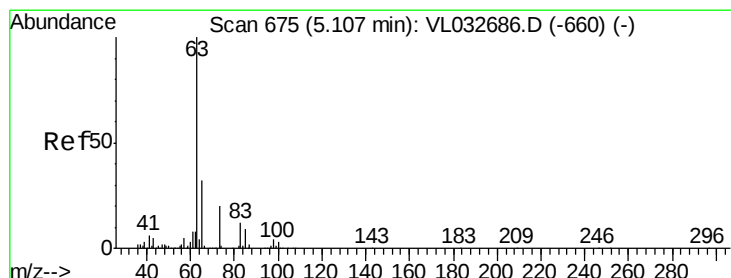
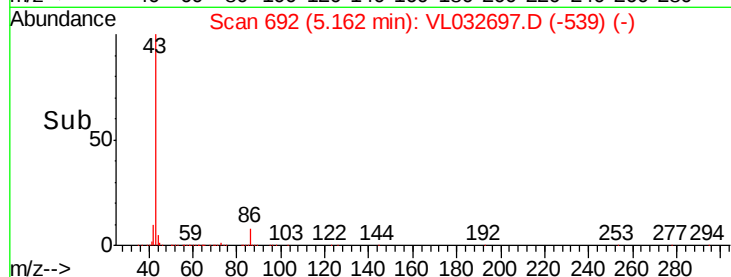
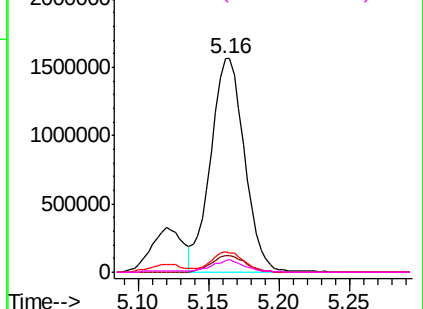
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.817 ppbv

RT: 5.10 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

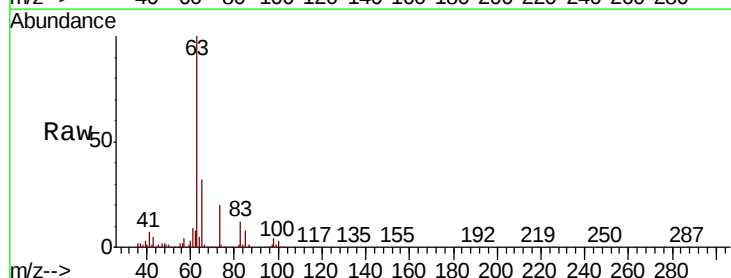
Tgt Ion: 63 Resp: 1857143

Ion Ratio Lower Upper

63 100

98 4.4 2.1 6.3

100 3.0 1.2 3.6

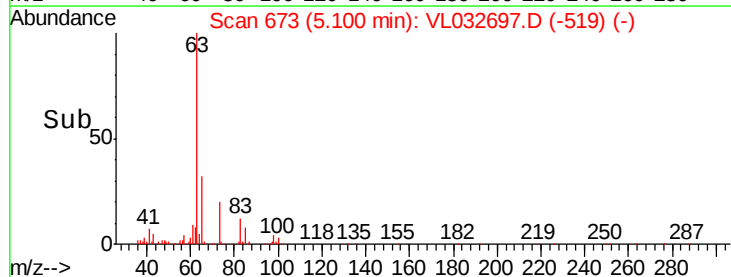
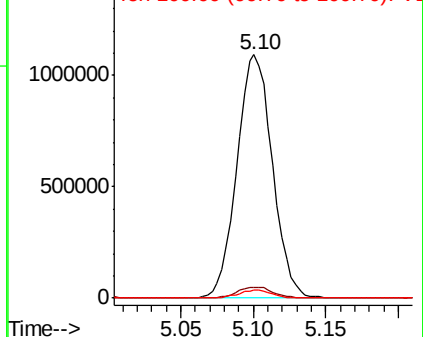


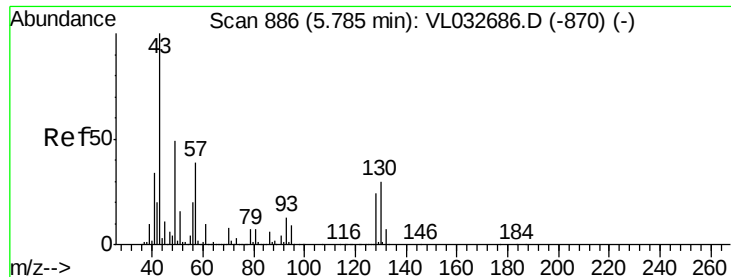
Abundance

Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





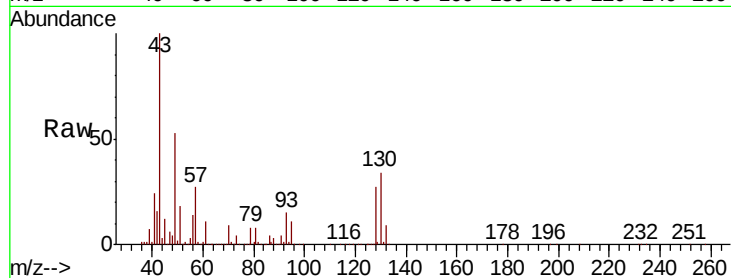
#25
Ethyl Acetate
Concen: 9.934 ppbv
RT: 5.78 min Scan# 883
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.0	12.0
61	9.4	8.0	12.0
70	7.2	5.9	8.9

Manual Integrations
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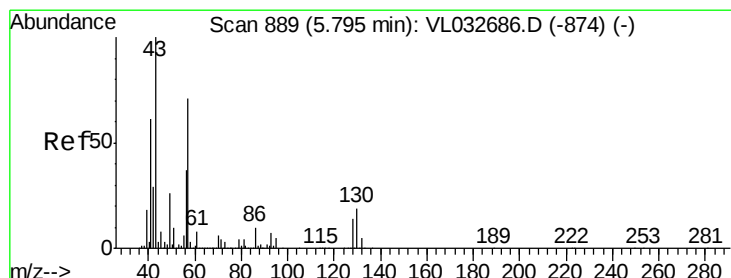
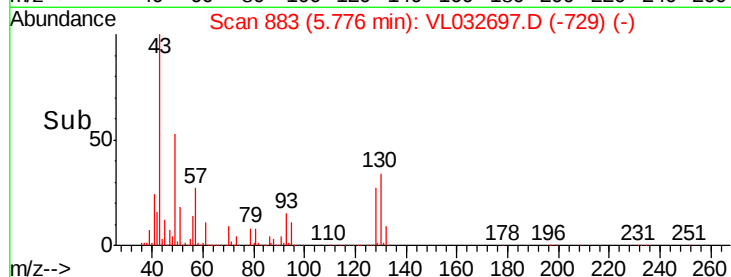
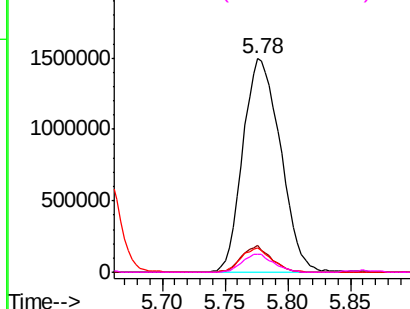
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 9.653 ppbv
RT: 5.79 min Scan# 887
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Tgt Ion	Ratio	Lower	Upper
57	100		
41	86.7	67.4	101.0
43	218.6	171.9	257.9
56	52.2	42.6	63.8

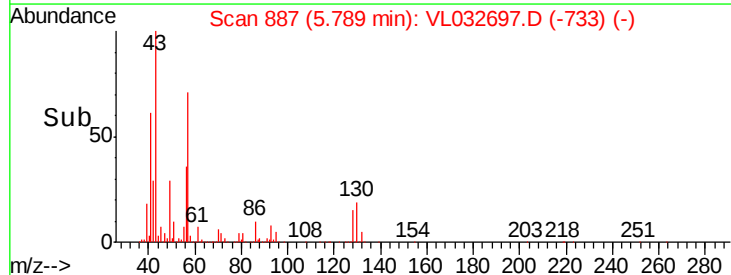
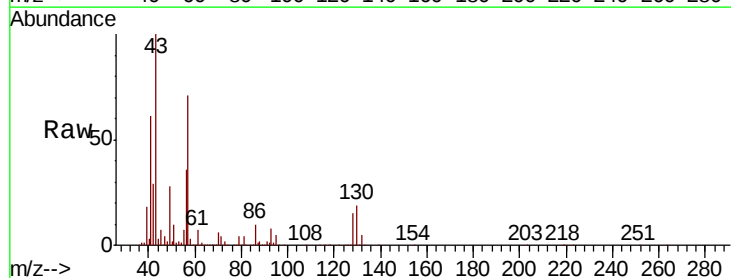
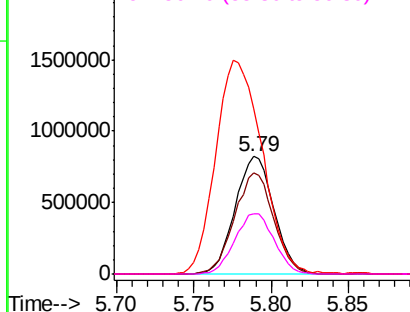
Abundance

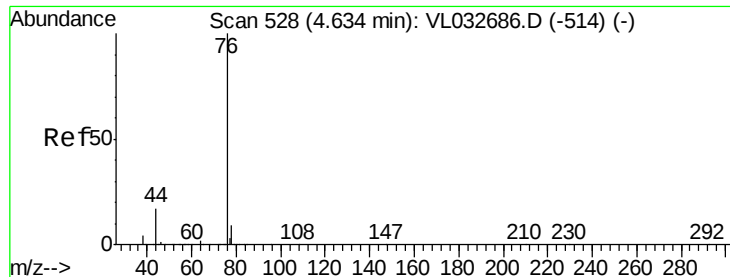
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.912 ppbv

RT: 4.63 min Scan# 527

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 76 Resp: 1960599

Ion Ratio Lower Upper

76 100

44 17.7 13.7 20.5

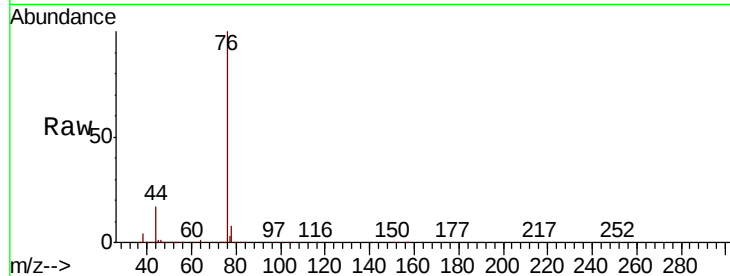
78 9.1 7.4 11.2

Manual Integrations

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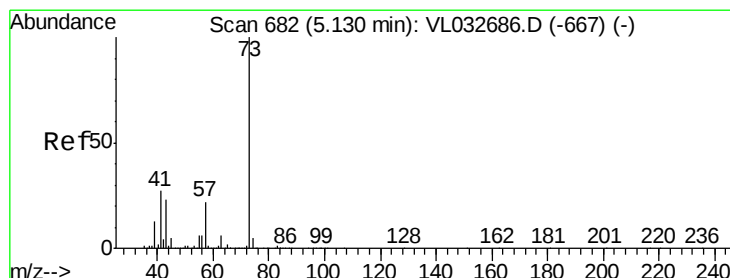
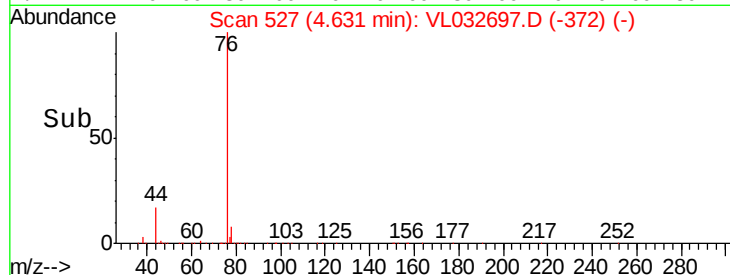
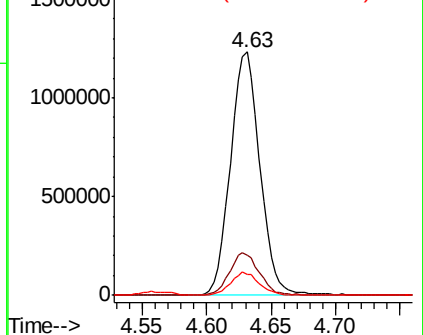
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.605 ppbv

RT: 5.12 min Scan# 679

Delta R.T. -0.01 min

Lab File: VL032697.D

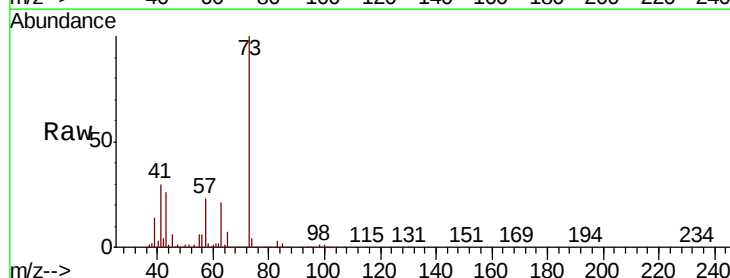
Acq: 25 Oct 2018 9:57

Tgt Ion: 73 Resp: 2257363

Ion Ratio Lower Upper

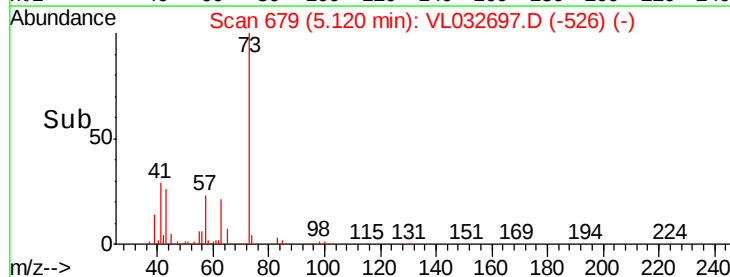
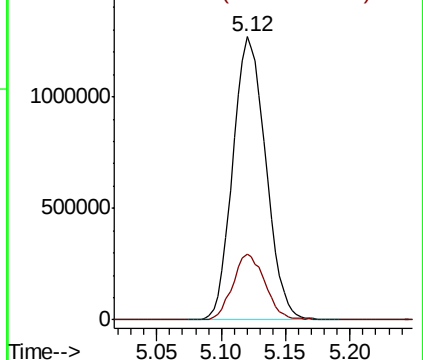
73 100

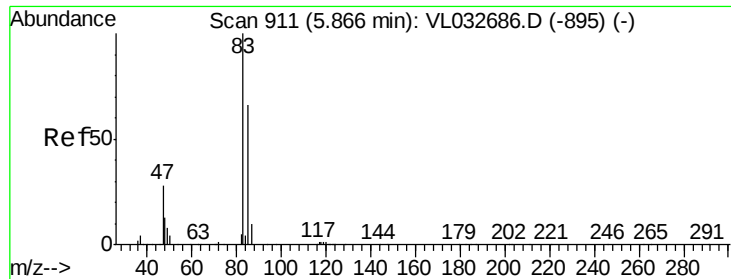
57 22.8 18.0 27.0



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





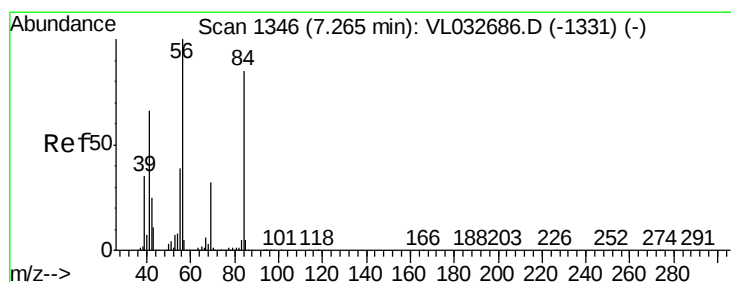
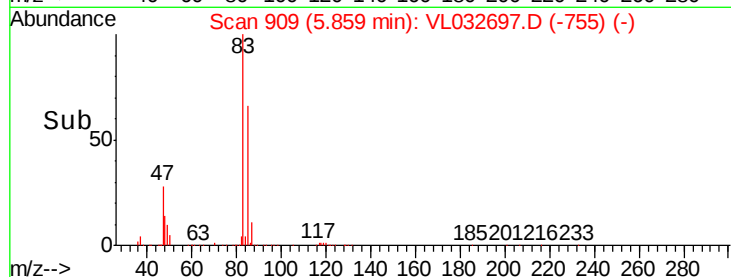
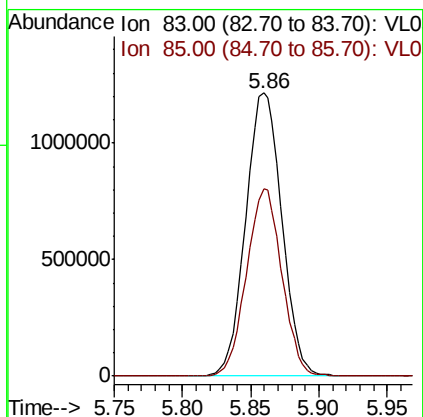
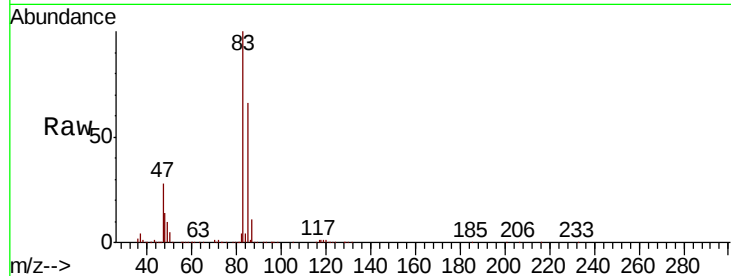
#29
Chloroform
Concen: 9.443 ppbv
RT: 5.86 min Scan# 909
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2234113
Ion Ratio Lower Upper
83 100
85 66.1 53.0 79.6

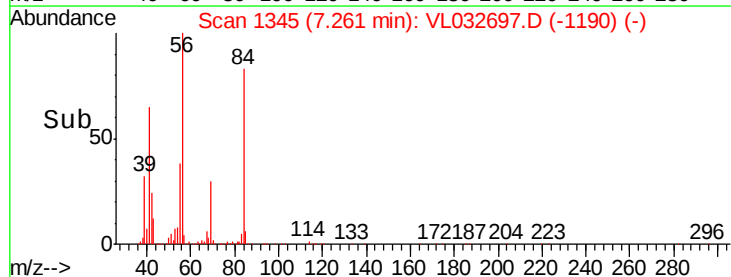
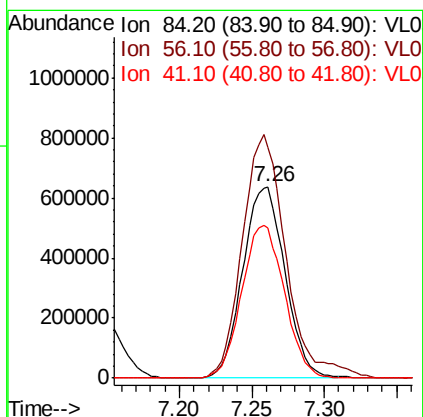
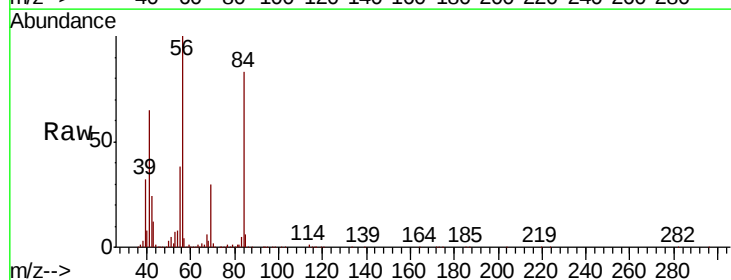
Manual Integrations
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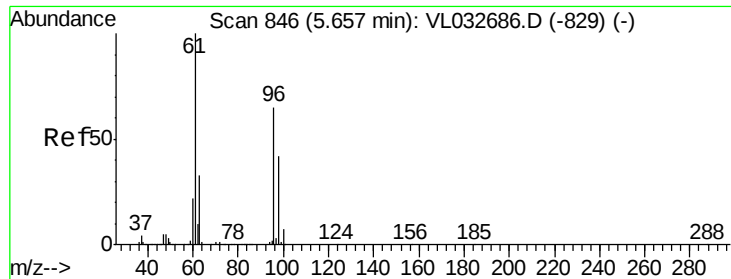
MMDadoda
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#30
Cyclohexane
Concen: 10.972 ppbv
RT: 7.26 min Scan# 1345
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Tgt Ion: 84 Resp: 1286326
Ion Ratio Lower Upper
84 100
56 132.5 108.3 162.5
41 81.0 64.8 97.2





#31

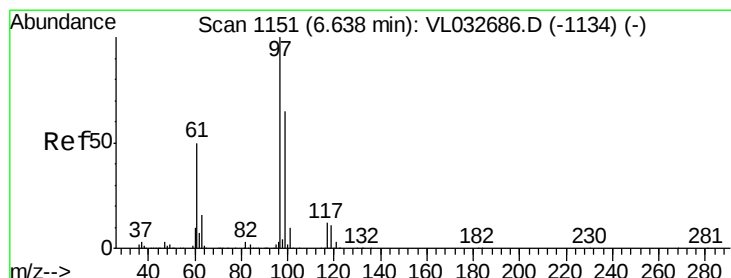
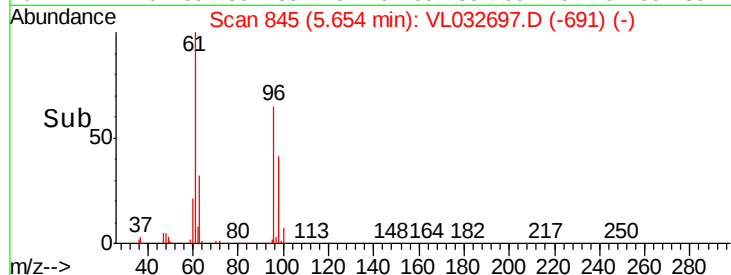
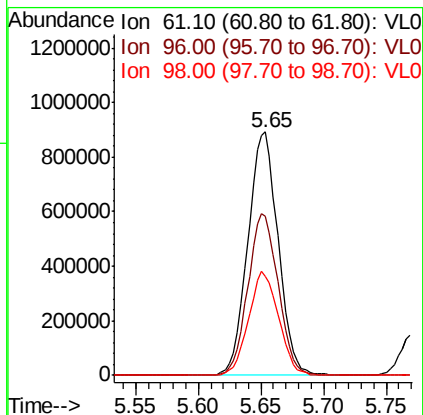
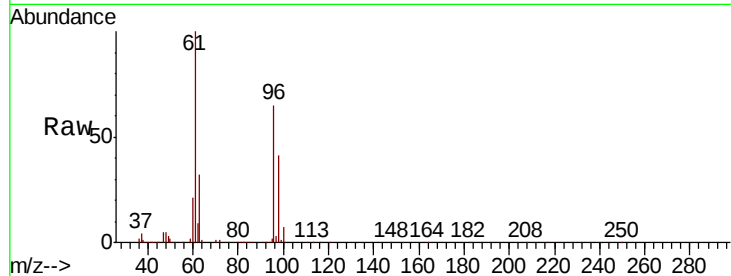
cis-1,2-Dichloroethene
 Concen: 10.906 ppbv
 RT: 5.65 min Scan# 845
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 61 Resp: 1497772
 Ion Ratio Lower Upper
 61 100
 96 65.4 51.8 77.6
 98 40.7 33.8 50.6

Manual Integrations
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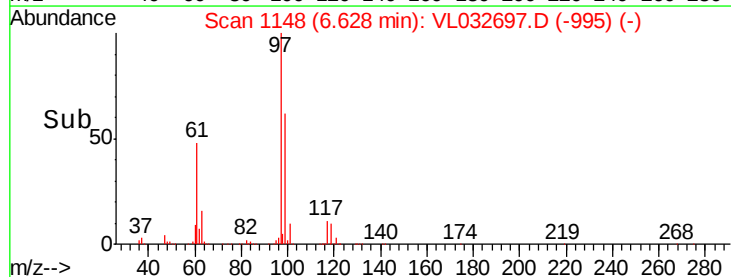
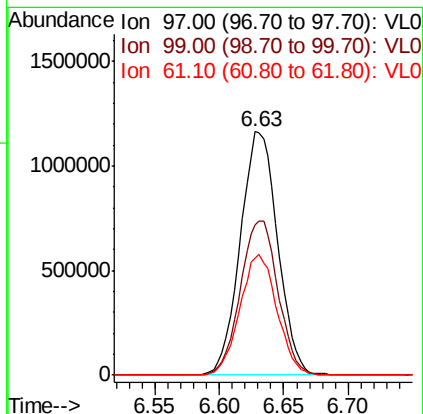
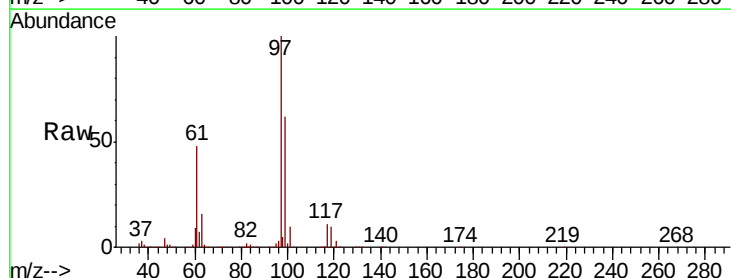
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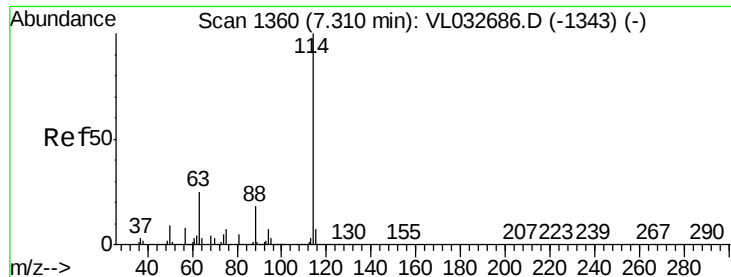


#32

1,1,1-Trichloroethane
 Concen: 9.773 ppbv
 RT: 6.63 min Scan# 1148
 Delta R.T. -0.01 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Tgt Ion: 97 Resp: 2349725
 Ion Ratio Lower Upper
 97 100
 99 64.1 52.0 78.0
 61 49.2 40.7 61.1





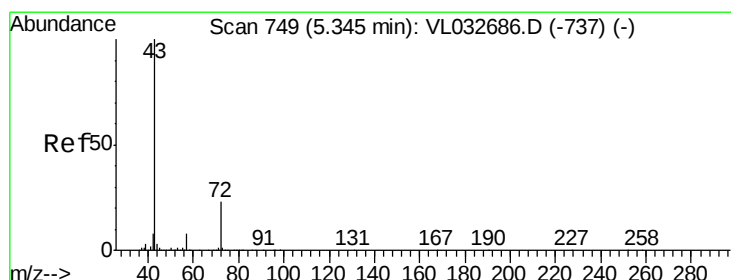
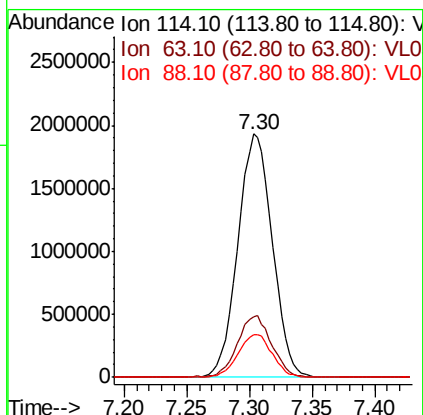
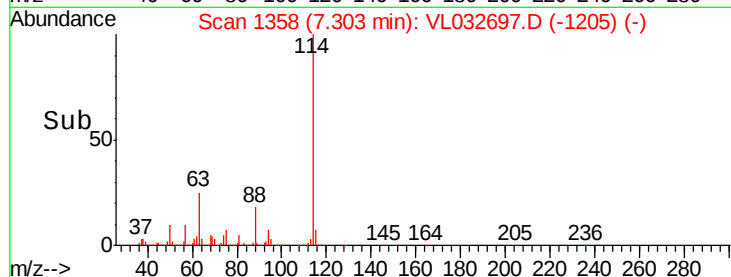
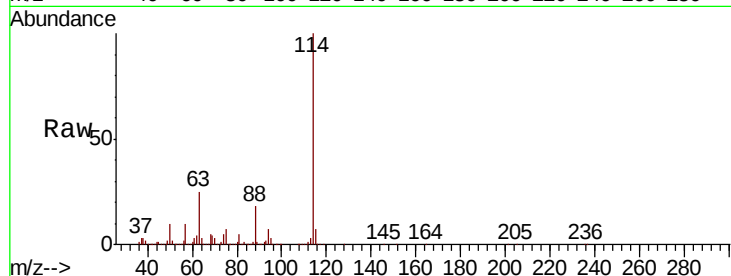
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. -0.01 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 3685930
 Ion Ratio Lower Upper
 114 100
 63 25.2 21.7 32.5
 88 17.5 14.9 22.3

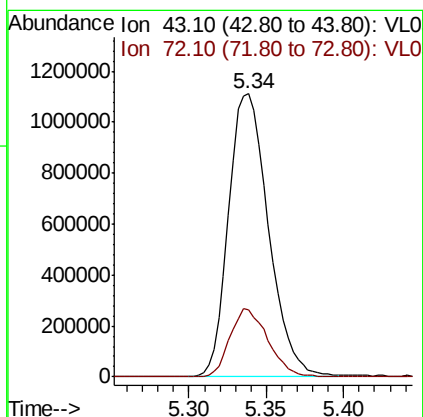
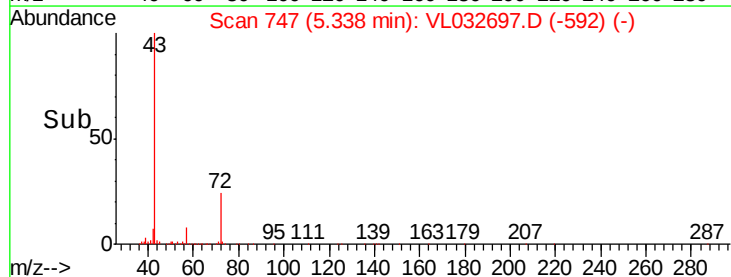
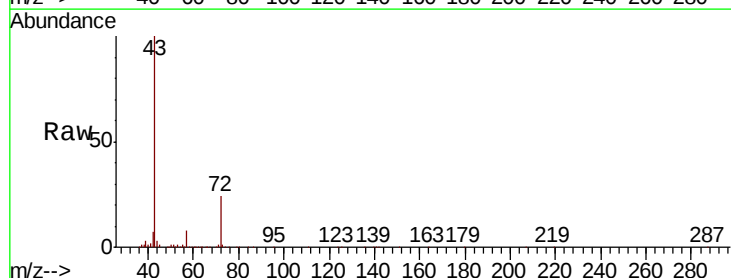
Manual Integrations
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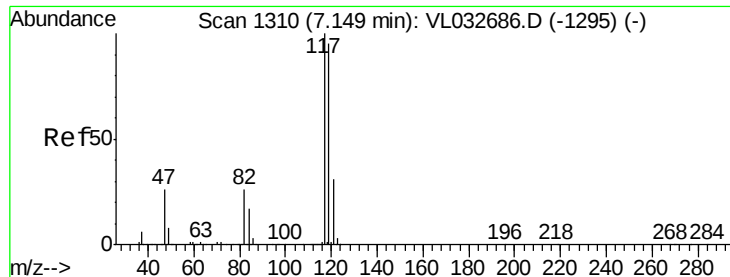
MMDadoda
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#34
 2-Butanone
 Concen: 10.041 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Tgt Ion: 43 Resp: 1984068
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.6 27.8





#35

Carbon Tetrachloride

Concen: 9.525 ppbv

RT: 7.15 min Scan# 1309

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 117 Resp: 2491640

Ion Ratio Lower Upper

117 100

119 96.4 75.7 113.5

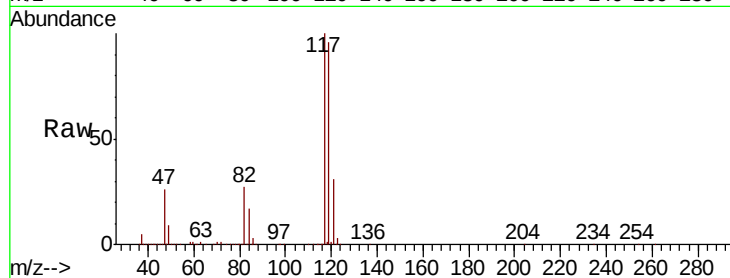
121 31.0 24.7 37.1

Manual Integrations

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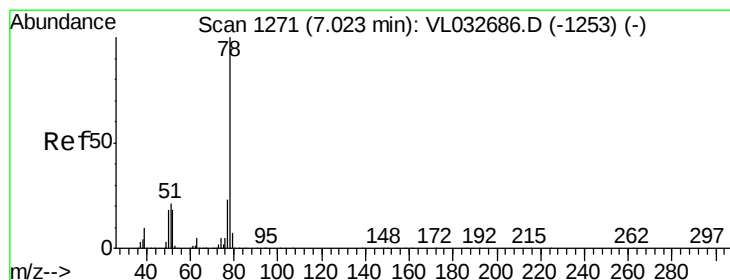
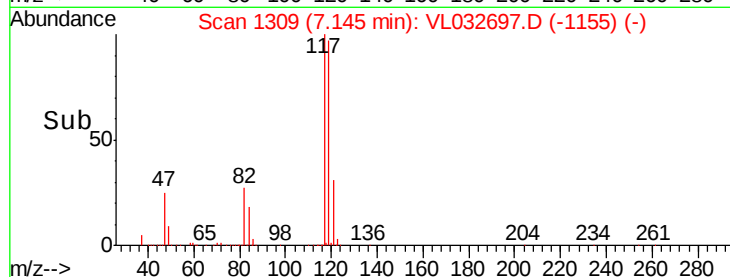
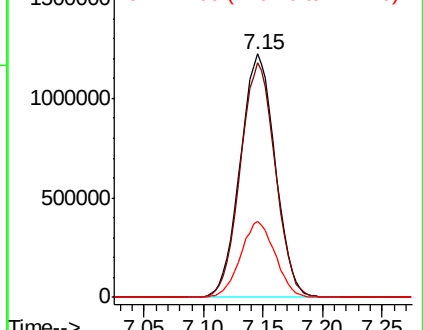


Abundance

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: 9.993 ppbv

RT: 7.02 min Scan# 1269

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

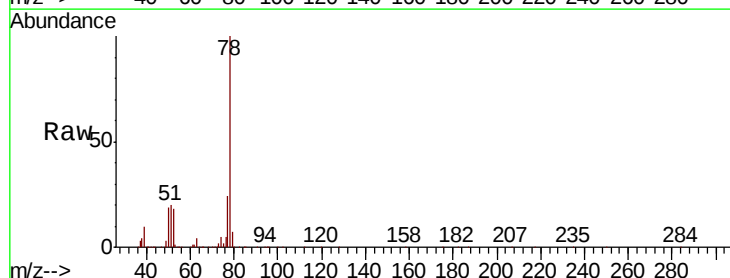
Tgt Ion: 78 Resp: 2991217

Ion Ratio Lower Upper

78 100

77 23.7 18.1 27.1

50 18.7 15.1 22.7

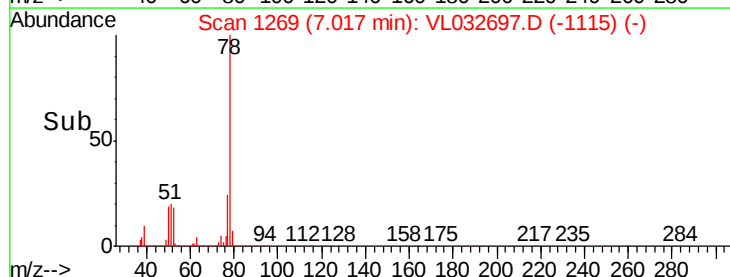
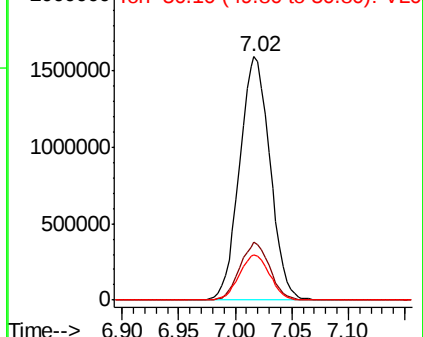


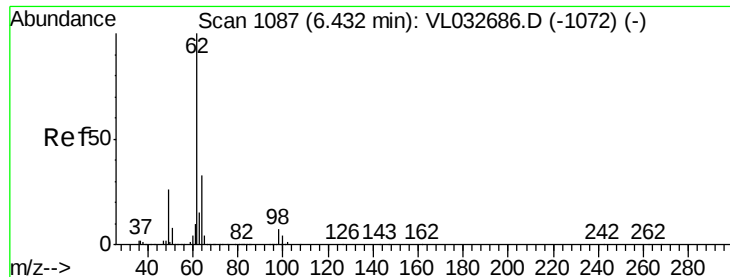
Abundance

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





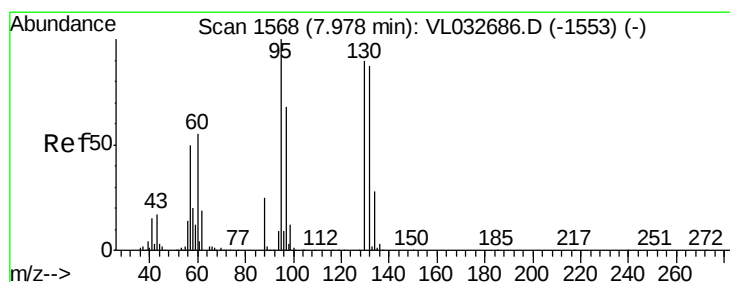
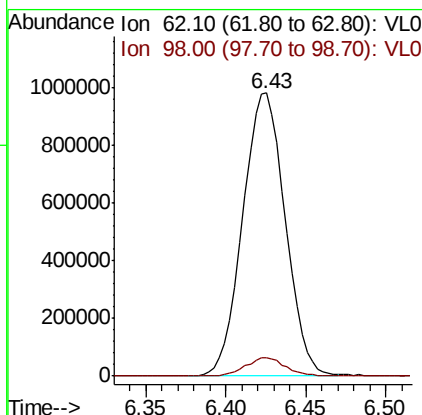
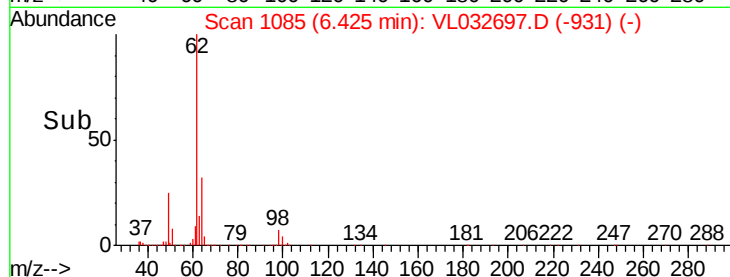
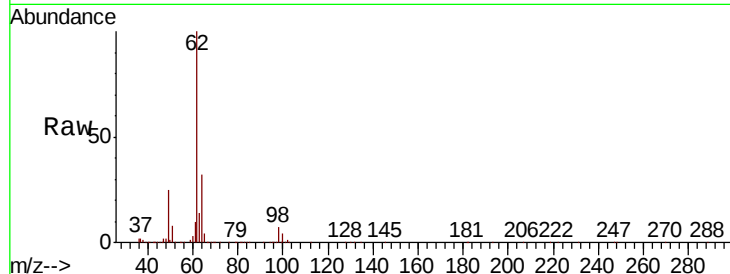
#37
 1,2-Dichloroethane
 Concen: 9.758 ppbv
 RT: 6.43 min Scan# 1085
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 62 Resp: 1791453
 Ion Ratio Lower Upper
 62 100
 98 6.2 4.4 6.6

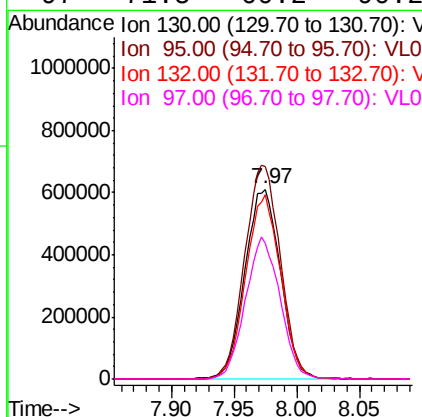
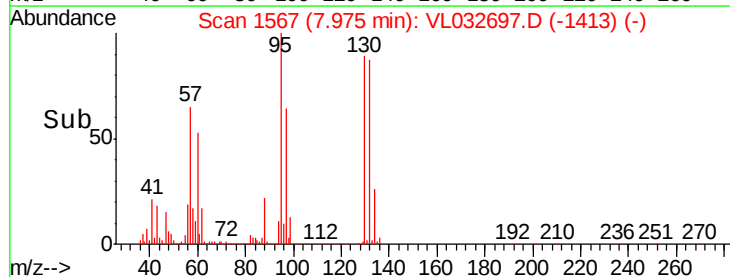
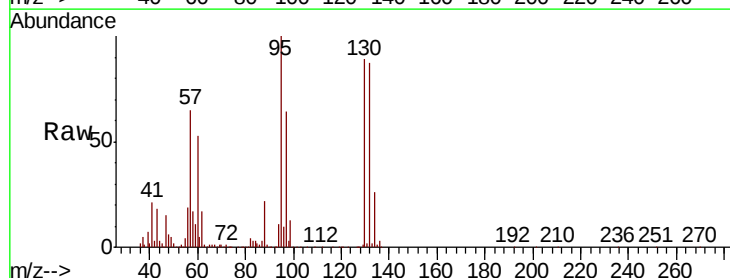
Manual Integrations
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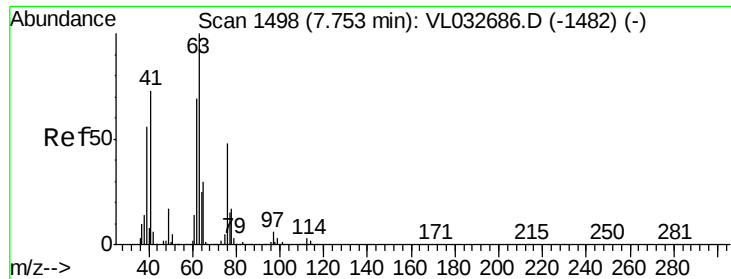
MMDadoda
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#38
 Trichloroethene
 Concen: 10.856 ppbv
 RT: 7.97 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Tgt Ion: 130 Resp: 1202859
 Ion Ratio Lower Upper
 130 100
 95 112.5 93.4 140.0
 132 97.5 76.5 114.7
 97 71.5 60.2 90.2





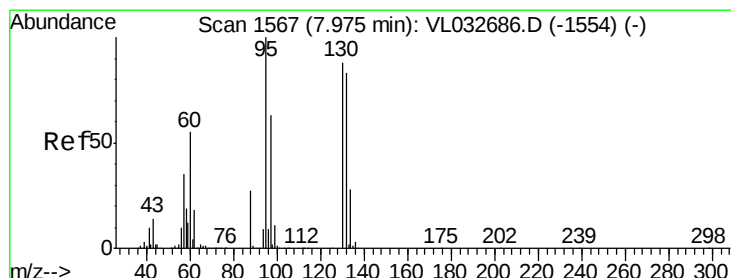
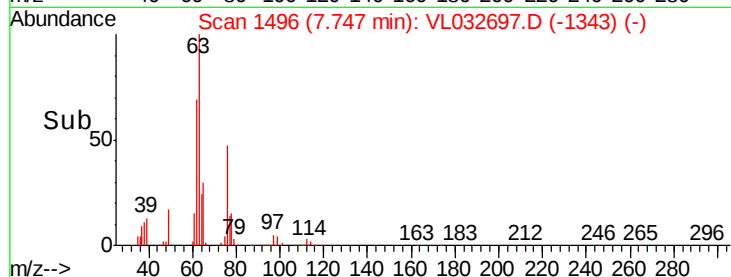
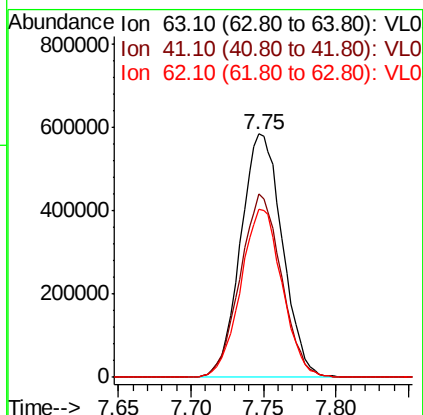
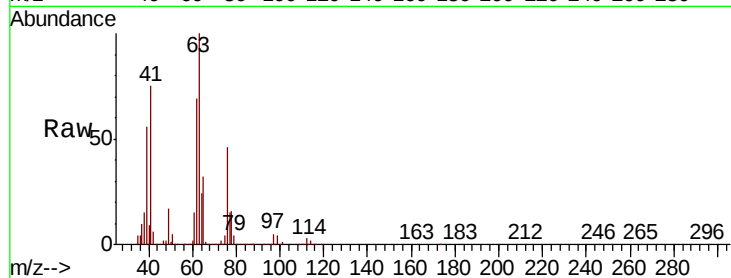
#39
 1,2-Dichloropropane
 Concen: 10.091 ppbv
 RT: 7.75 min Scan# 1496
 Delta R.T. -0.01 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
63	100		
41	75.3	56.2	84.4
62	69.2	54.4	81.6

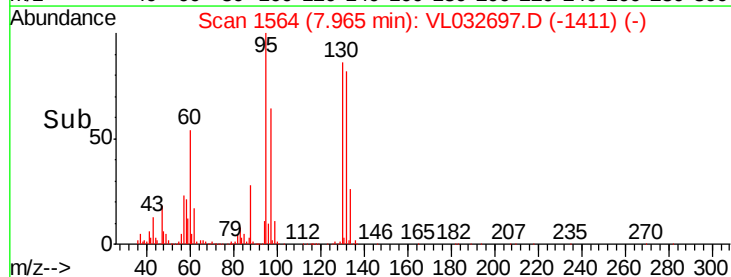
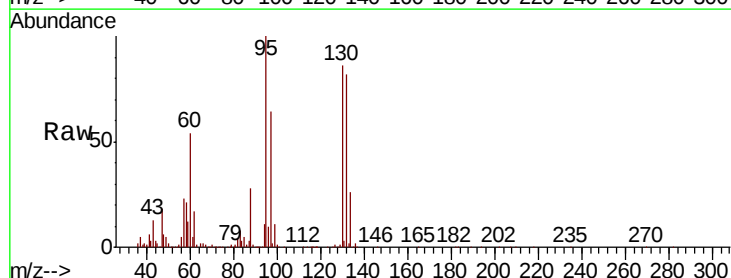
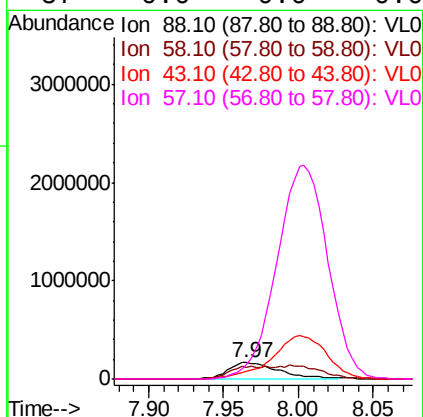
Manual Integrations
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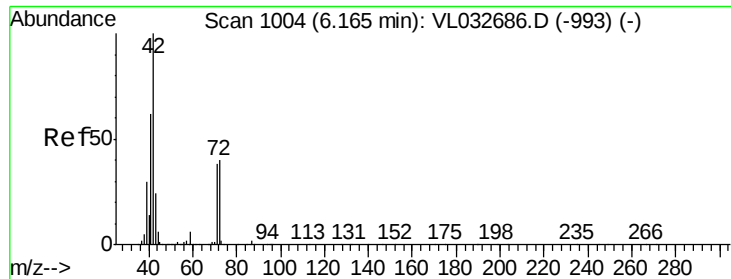
MMDadoda
 10/26/2018 3:41:04 PM



#40
 1,4-Dioxane
 Concen: 9.938 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. -0.01 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	104.0	156.0#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





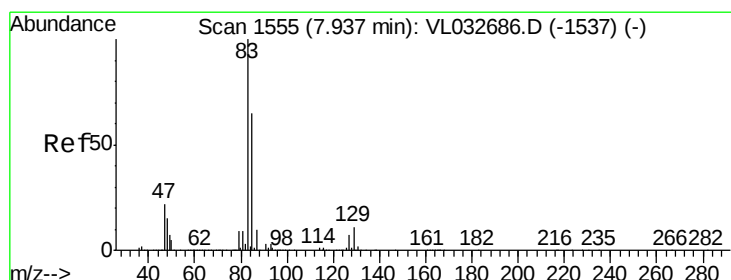
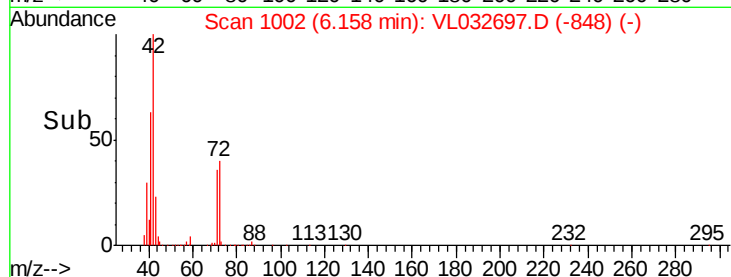
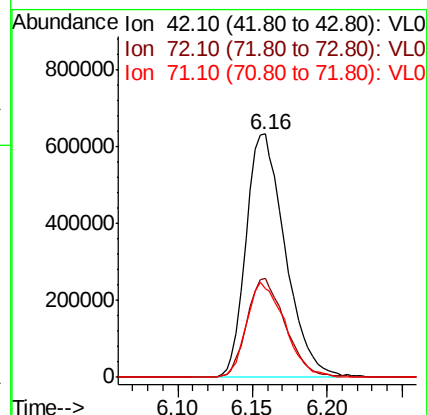
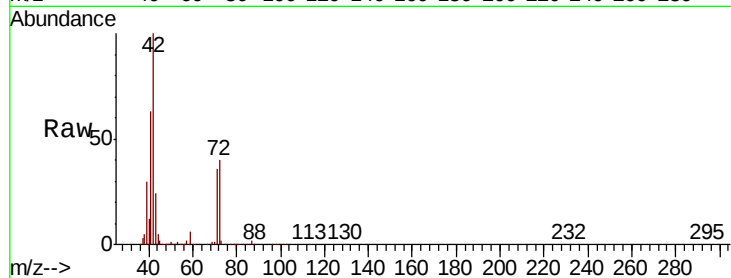
#41
Tetrahydrofuran
Concen: 10.476 ppbv
RT: 6.16 min Scan# 1002
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.8	32.4	48.6
71	38.6	31.3	46.9

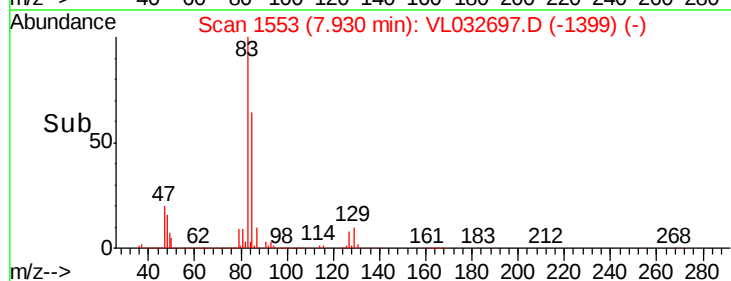
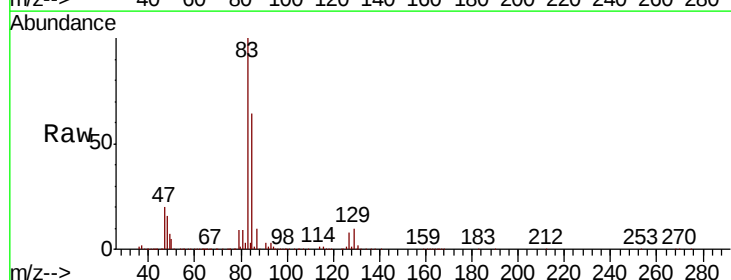
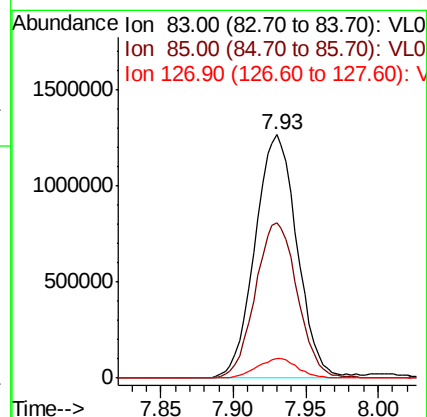
Manual Integrations
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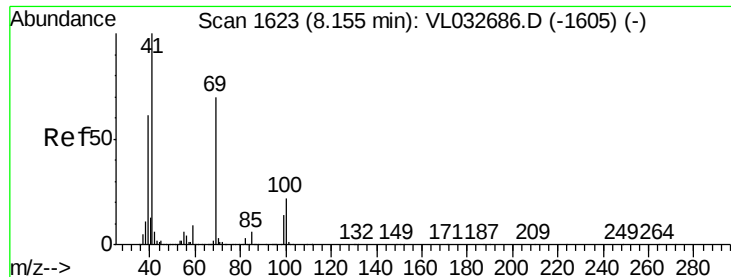
MMDadoda
10/26/2018 3:41:04 PM



#42
Bromodichloromethane
Concen: 9.887 ppbv
RT: 7.93 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.9	52.4	78.6
127	8.2	6.1	9.1





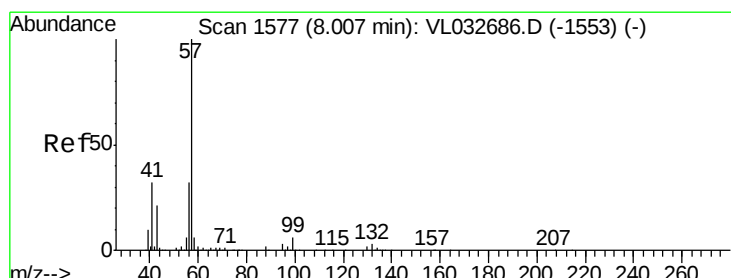
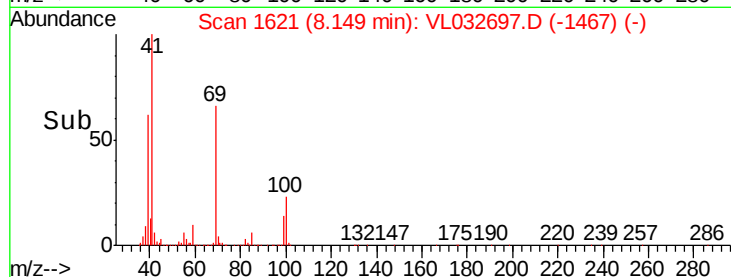
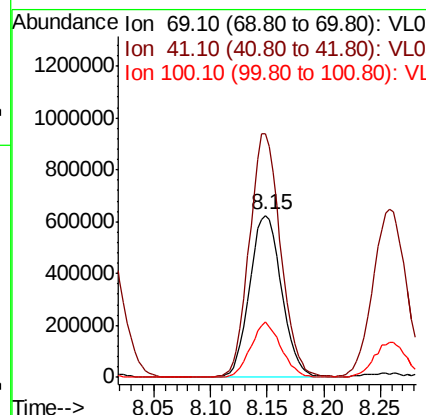
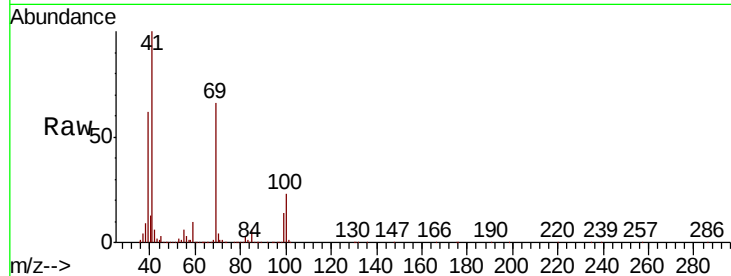
#43
Methyl Methacrylate
Concen: 11.230 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 1231884
Ion Ratio Lower Upper
69 100
41 146.2 113.2 169.8
100 32.3 24.4 36.6

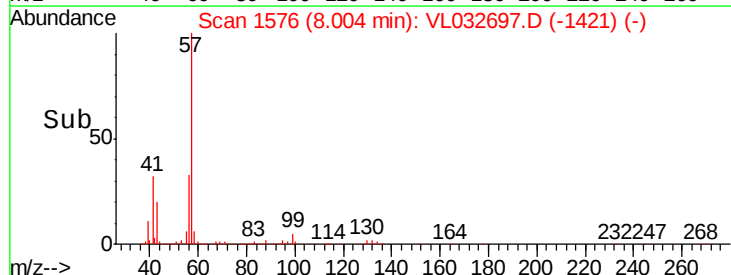
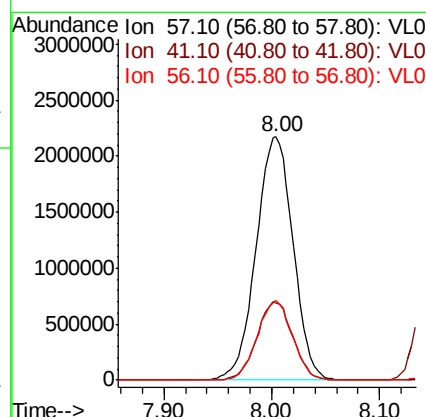
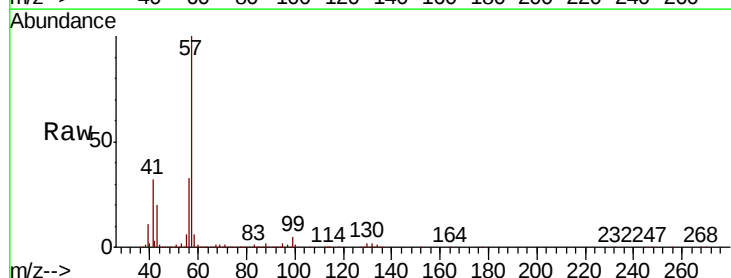
Manual Integrations
APPROVED

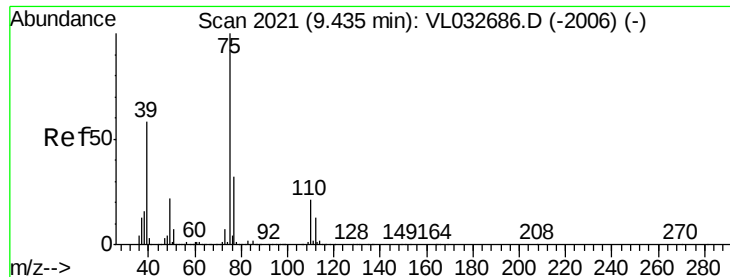
MMDadoda
10/26/2018 3:41:04 PM



#44
2,2,4-Trimethylpentane
Concen: 10.080 ppbv
RT: 8.00 min Scan# 1576
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Tgt Ion: 57 Resp: 5150567
Ion Ratio Lower Upper
57 100
41 31.4 24.7 37.1
56 31.4 25.0 37.4





#45

t-1,3-Dichloropropene

Concen: 11.528 ppbv

RT: 9.43 min Scan# 2018

Delta R.T. -0.01 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 1692728

Ion Ratio Lower Upper

75 100

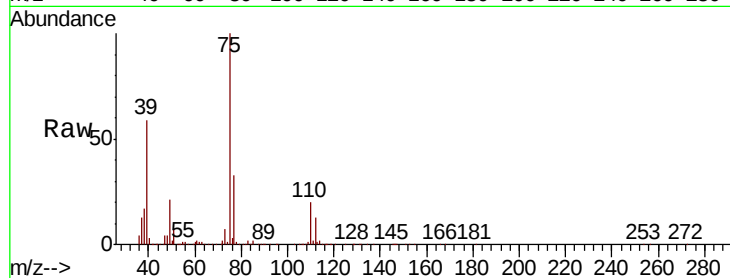
77 32.6 25.3 37.9

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

9.43

800000

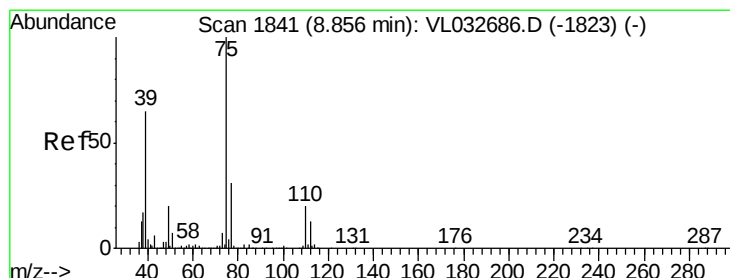
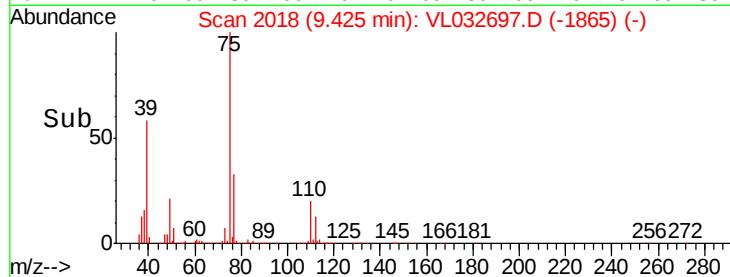
600000

400000

200000

0

Time-->



#46

cis-1,3-Dichloropropene

Concen: 11.333 ppbv

RT: 8.85 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

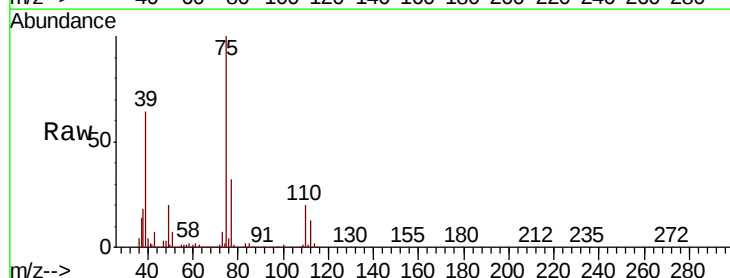
Tgt Ion: 75 Resp: 1901304

Ion Ratio Lower Upper

75 100

39 63.6 50.9 76.3

77 31.6 25.8 38.6



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

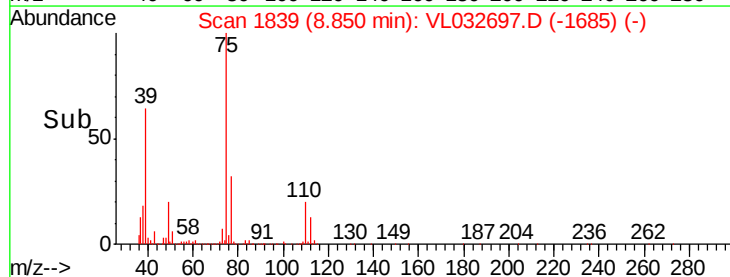
8.85

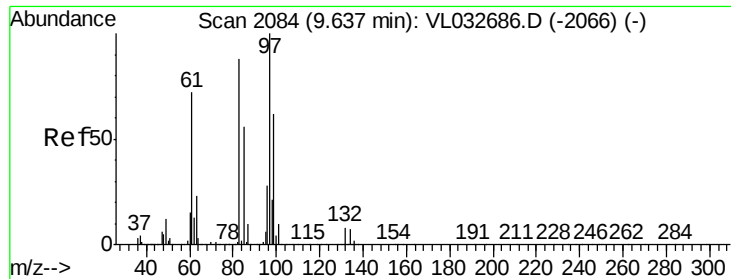
1000000

500000

0

Time-->





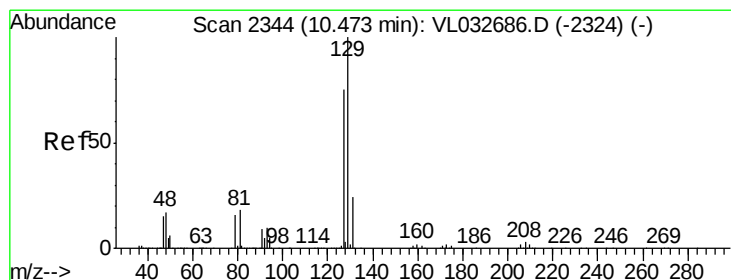
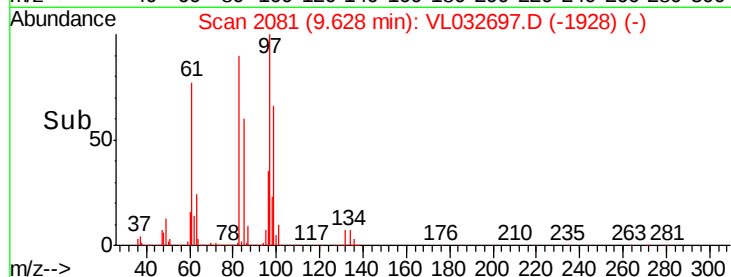
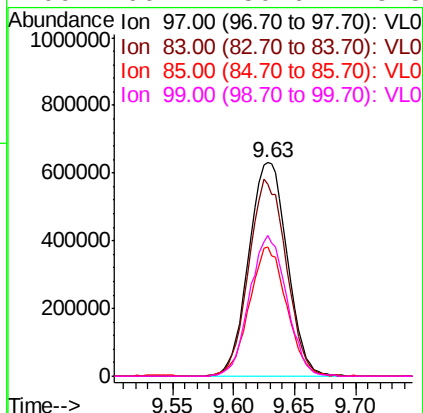
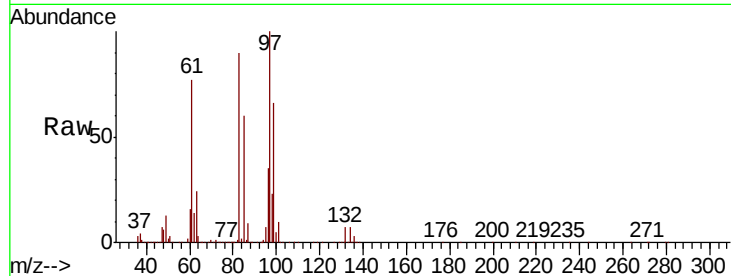
#47
 1,1,2-Trichloroethane
 Concen: 10.095 ppbv
 RT: 9.63 min Scan# 2081
 Delta R.T. -0.01 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	90.2	73.5	110.3
85	60.1	45.8	68.6
99	66.2	50.6	75.8

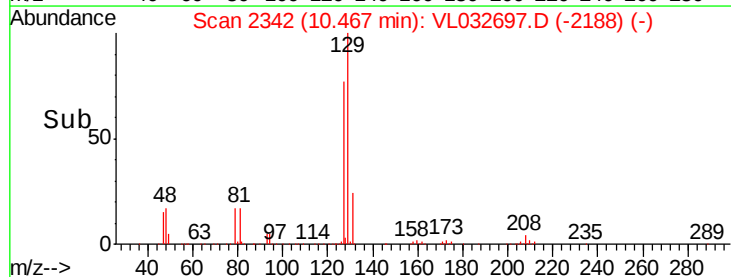
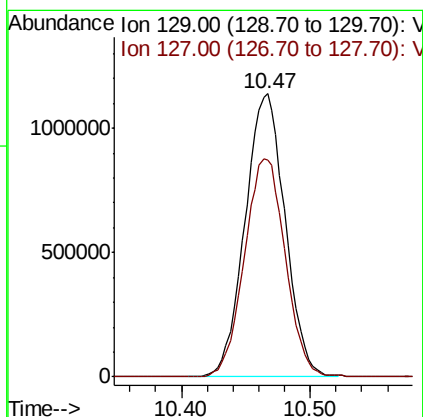
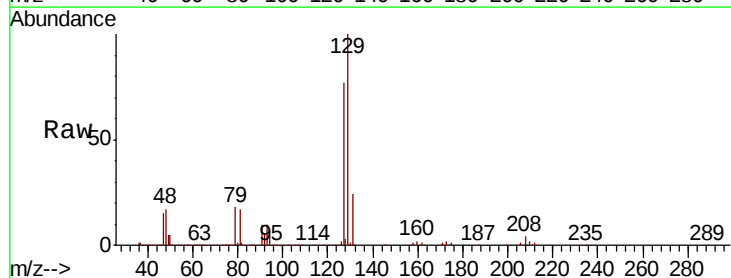
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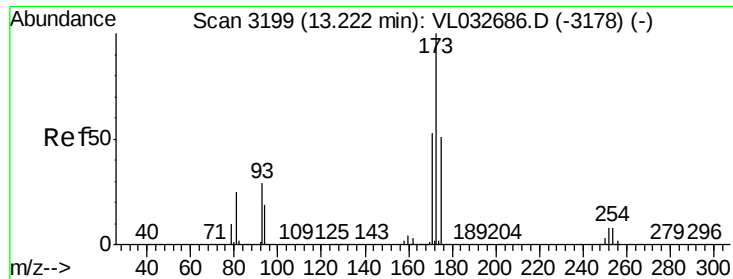
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.838 ppbv
 RT: 10.47 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.5





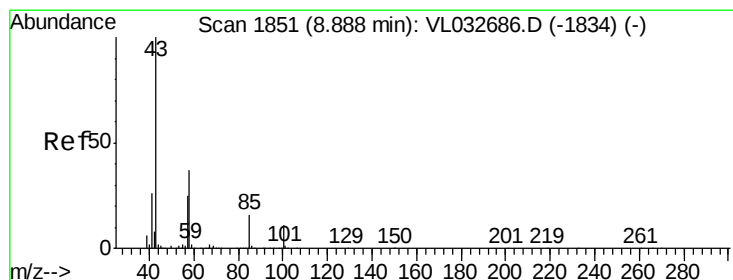
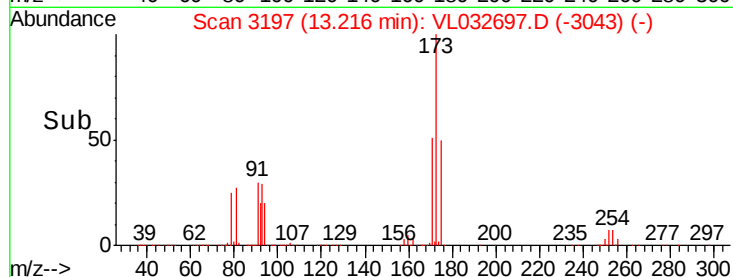
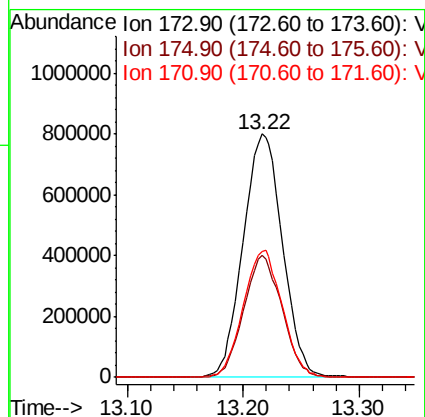
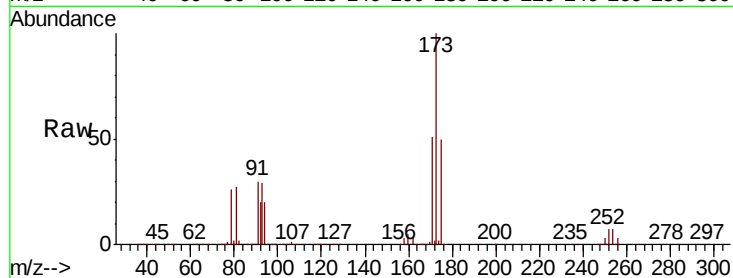
#49
Bromoform
Concen: 10.559 ppbv
RT: 13.22 min Scan# 3197
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 173 Resp: 1888952
Ion Ratio Lower Upper
173 100
175 49.0 39.0 58.4
171 51.7 42.2 63.2

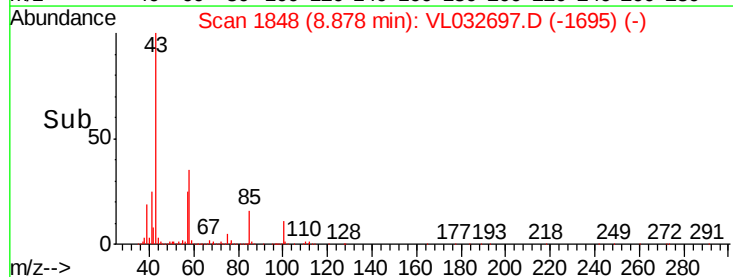
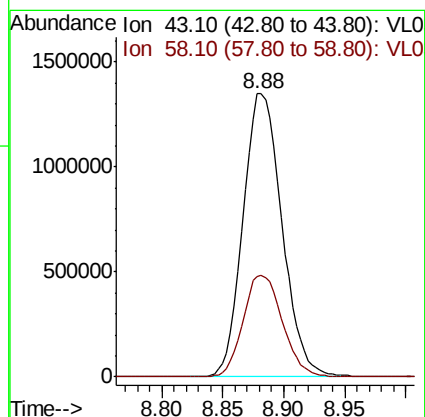
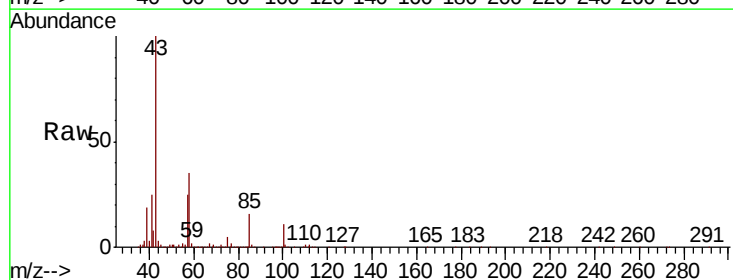
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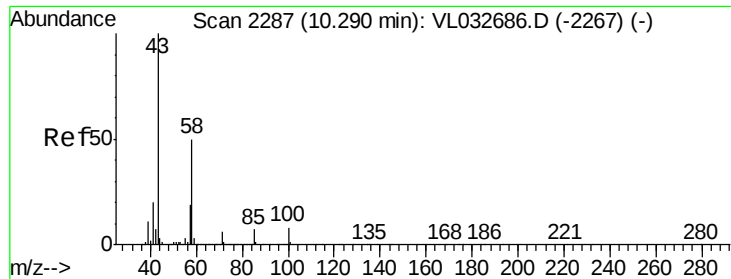
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.158 ppbv
RT: 8.88 min Scan# 1848
Delta R.T. -0.01 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Tgt Ion: 43 Resp: 2973400
Ion Ratio Lower Upper
43 100
58 36.4 29.7 44.5





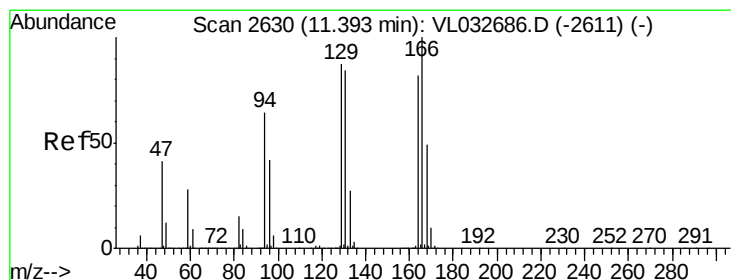
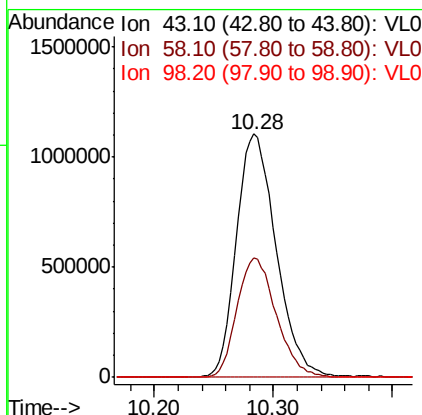
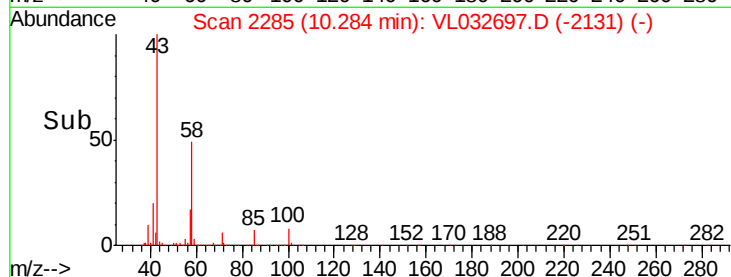
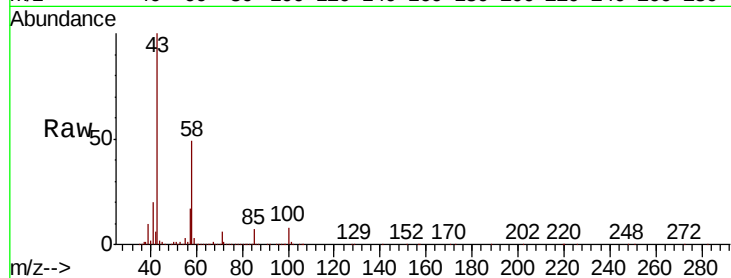
#51
2-Hexanone
Concen: 11.742 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 43 Resp: 2555204
Ion Ratio Lower Upper
43 100
58 48.7 40.4 60.6
98 0.3 0.4 0.6#

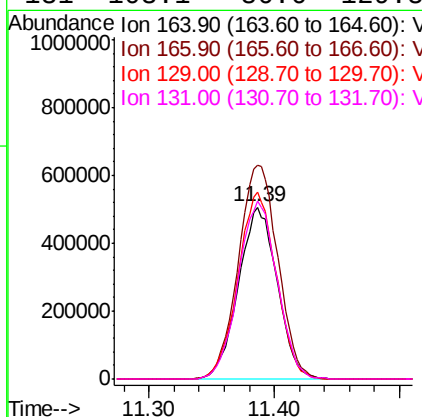
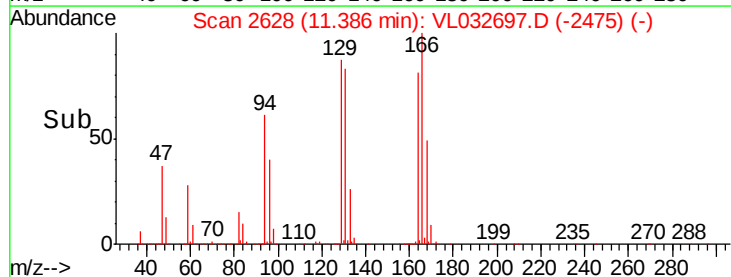
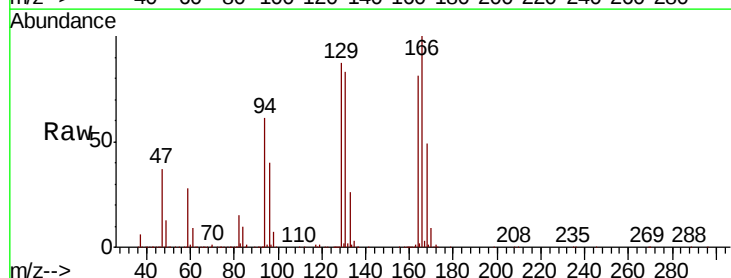
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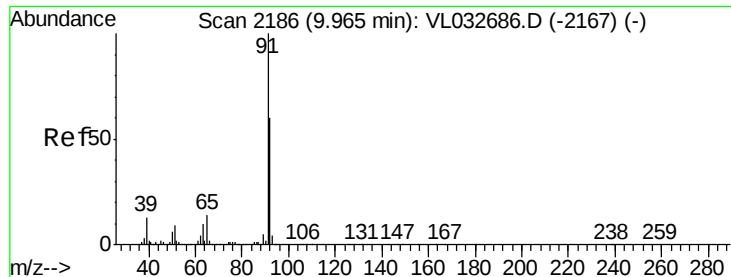
MMDadoda
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#52
Tetrachloroethene
Concen: 10.384 ppbv
RT: 11.39 min Scan# 2628
Delta R.T. -0.01 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Tgt Ion: 164 Resp: 1083606
Ion Ratio Lower Upper
164 100
166 124.1 100.5 150.7
129 108.3 90.0 135.0
131 103.1 86.6 129.8





#53

Toluene

Concen: 11.354 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 3895740

Ion Ratio Lower Upper

91 100

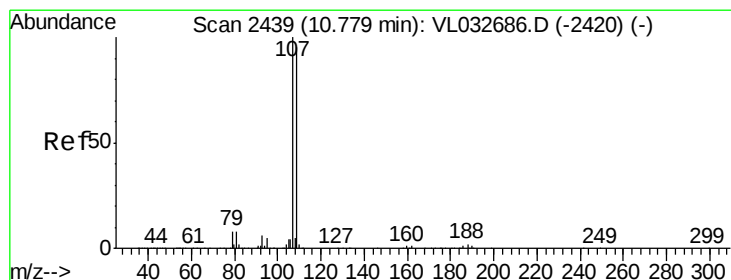
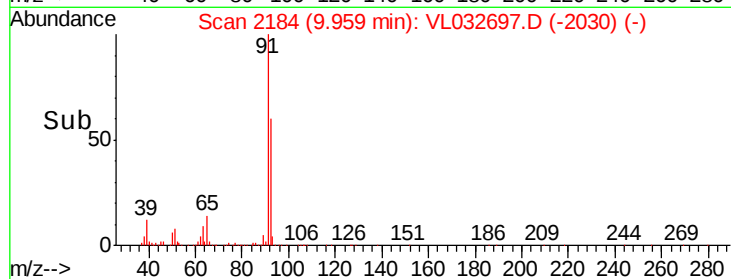
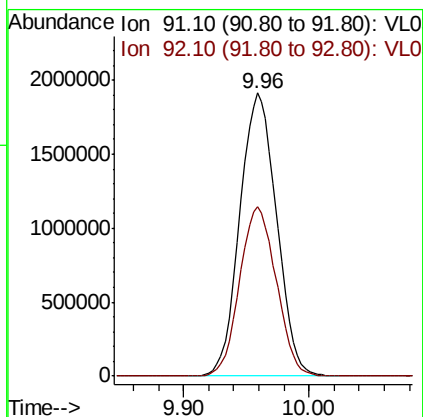
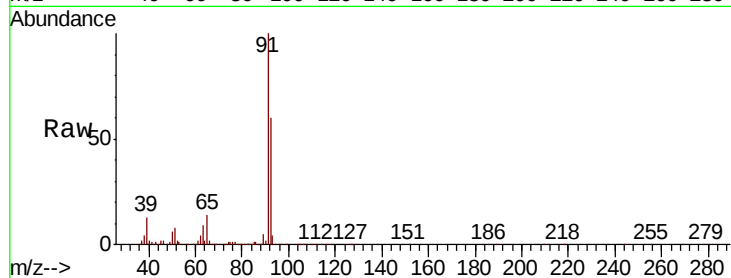
92 59.6 48.4 72.6

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.437 ppbv

RT: 10.78 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VL032697.D

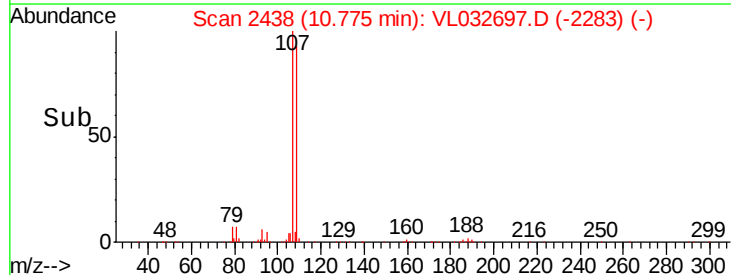
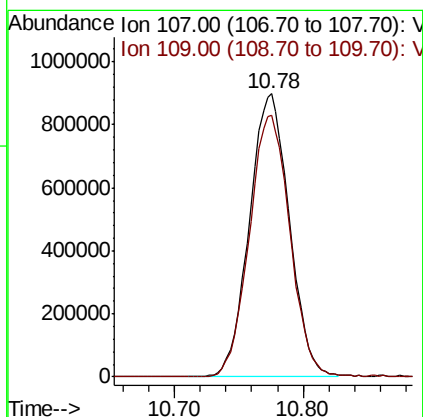
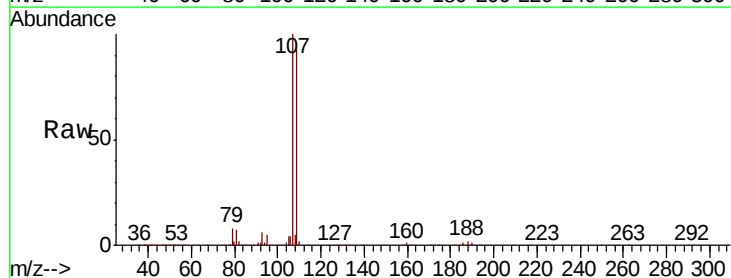
Acq: 25 Oct 2018 9:57

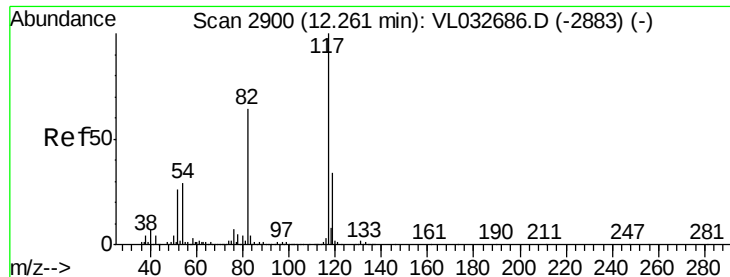
Tgt Ion: 107 Resp: 1937297

Ion Ratio Lower Upper

107 100

109 92.6 75.3 112.9





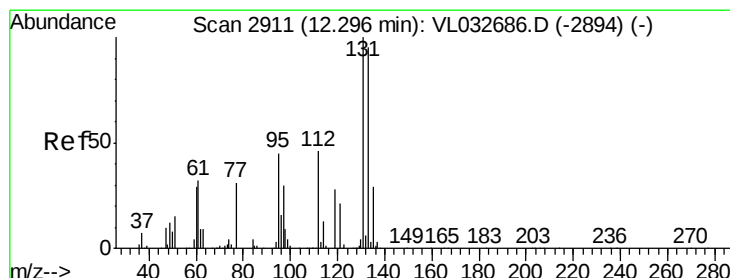
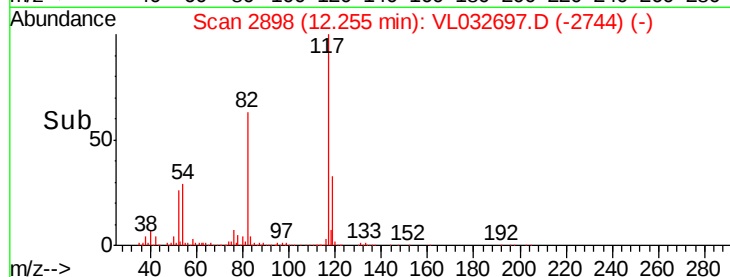
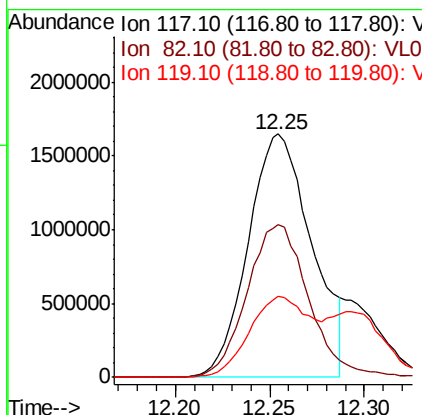
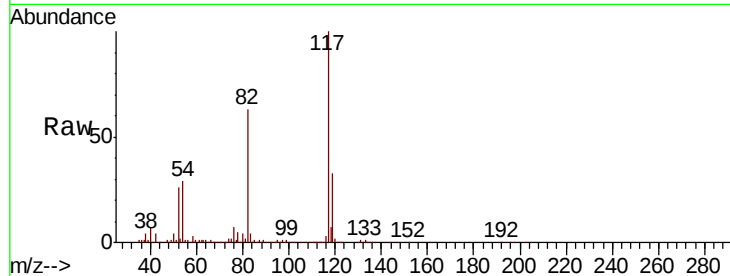
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2898
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:117 Resp: 3859783
Ion Ratio Lower Upper
117 100
82 61.0 52.7 79.1
119 32.3 26.7 40.1

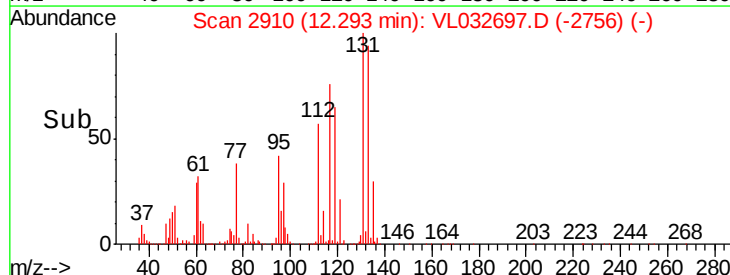
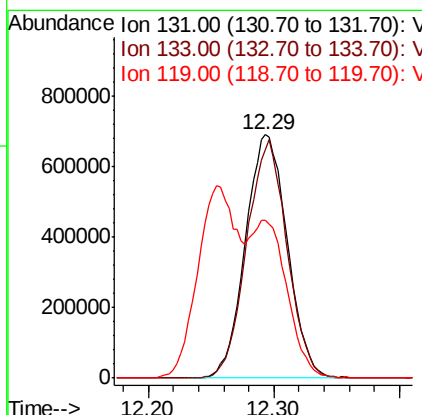
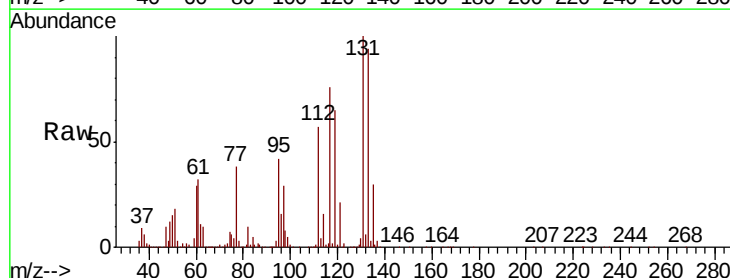
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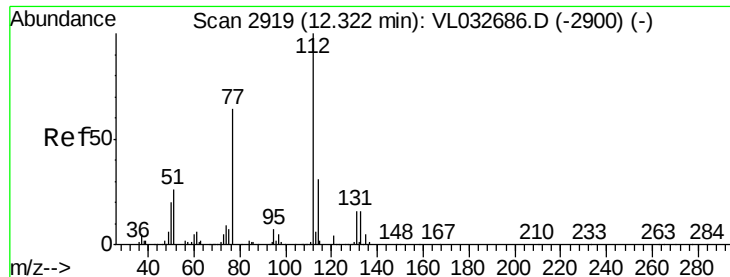
MMDadoda
10/26/2018 3:41:04 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.450 ppbv
RT: 12.29 min Scan# 2910
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Tgt Ion:131 Resp: 1595022
Ion Ratio Lower Upper
131 100
133 94.4 75.4 113.2
119 56.8 49.1 73.7





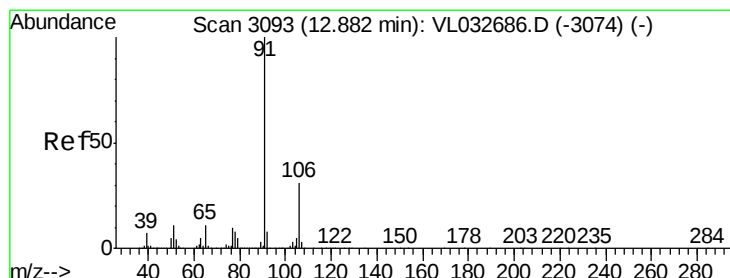
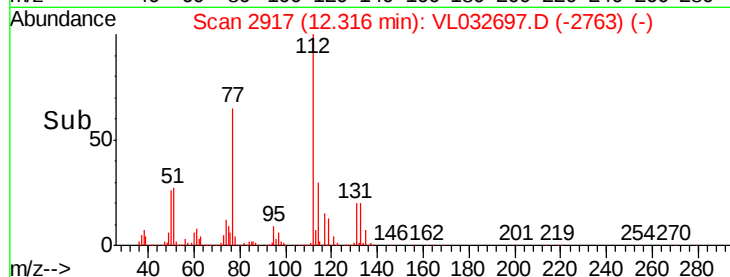
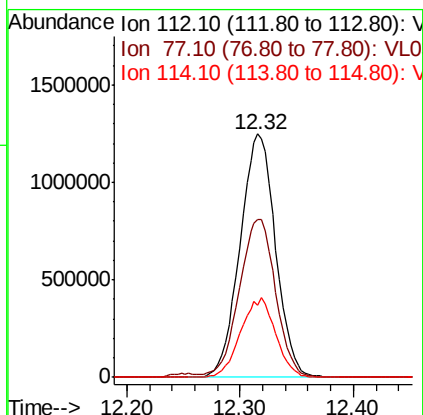
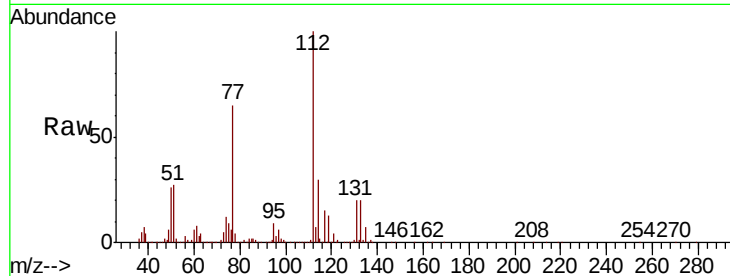
#57
Chlorobenzene
Concen: 9.563 ppbv
RT: 12.32 min Scan# 2917
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 2714547
Ion Ratio Lower Upper
112 100
77 64.9 56.8 85.2
114 29.8 30.3 37.1#

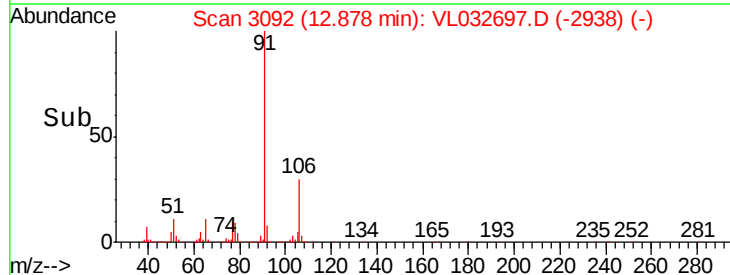
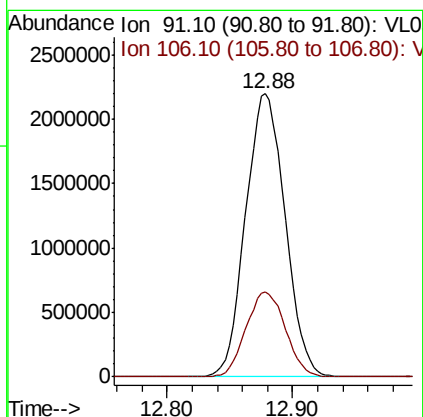
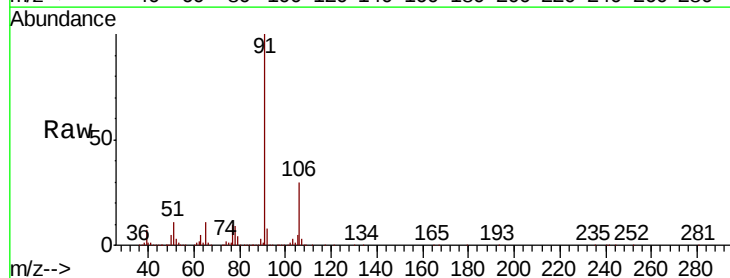
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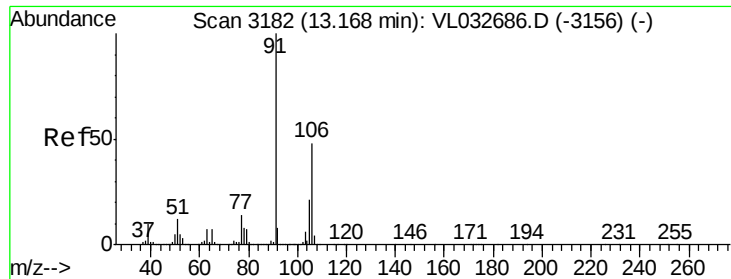
MMDadoda
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#58
Ethyl Benzene
Concen: 10.739 ppbv
RT: 12.88 min Scan# 3092
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Tgt Ion: 91 Resp: 4815292
Ion Ratio Lower Upper
91 100
106 30.1 24.2 36.2





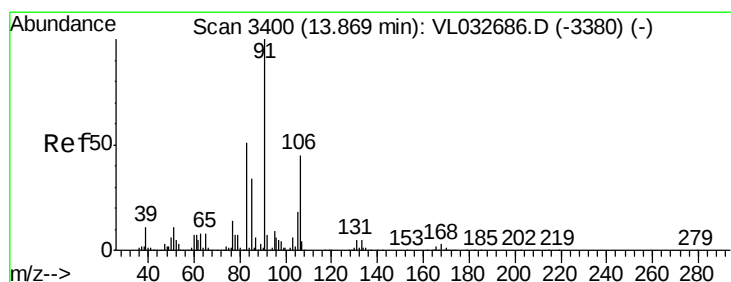
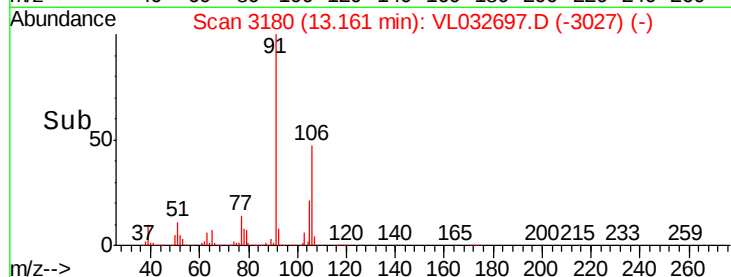
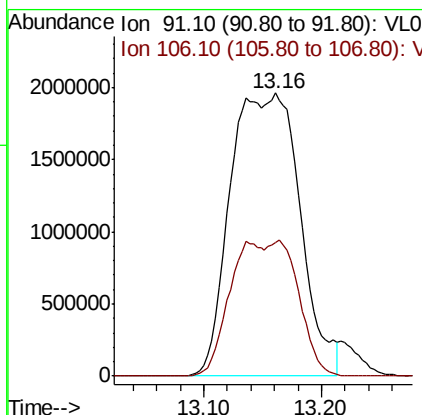
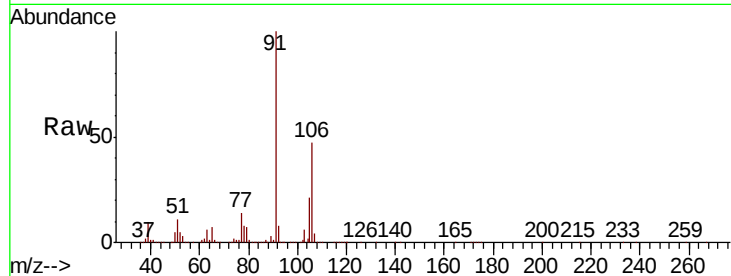
#59
m/p-Xylene
Concen: 20.114 ppbv m
RT: 13.16 min Scan# 3180
Delta R.T. -0.01 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 8031479
Ion Ratio Lower Upper
91 100
106 46.1 35.9 53.9

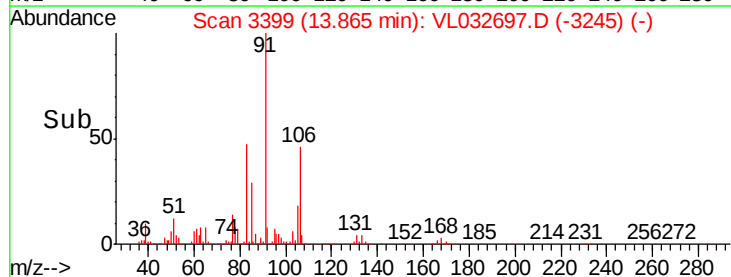
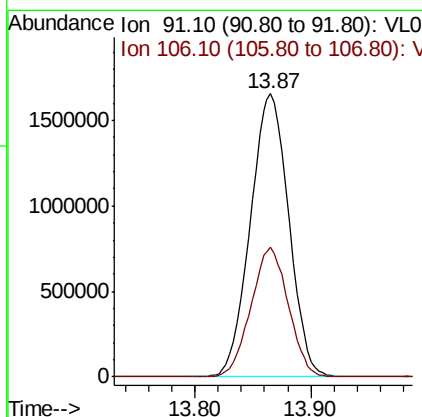
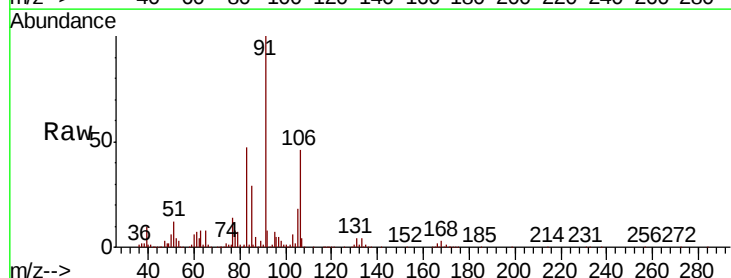
Manual Integrations
APPROVED

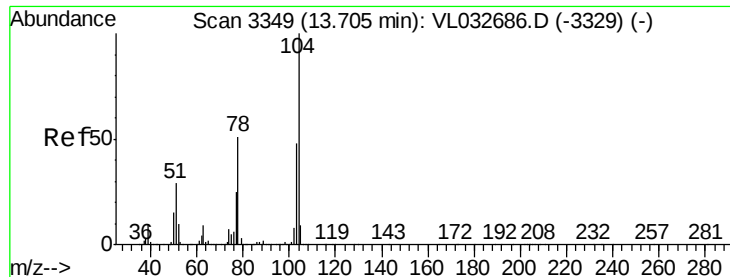
MMDadoda
10/26/2018 3:41:04 PM



#60
o-Xylene
Concen: 9.900 ppbv
RT: 13.87 min Scan# 3399
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Tgt Ion: 91 Resp: 3813133
Ion Ratio Lower Upper
91 100
106 44.7 22.1 66.1





#61

Styrene

Concen: 11.315 ppbv

RT: 13.70 min Scan# 3348

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:104 Resp: 2922255

Ion Ratio Lower Upper

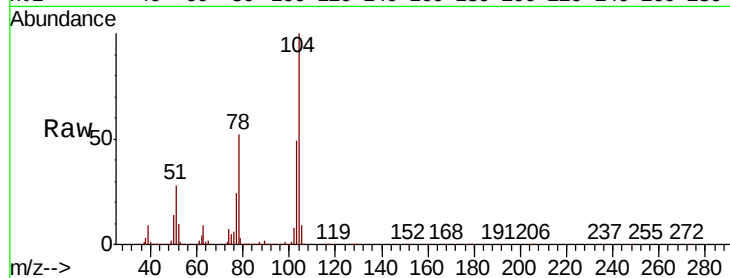
104 100

78 51.3 42.8 64.2

103 47.7 37.4 56.0

Manual Integrations
APPROVED

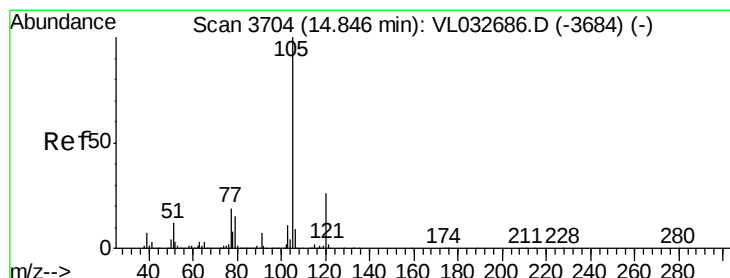
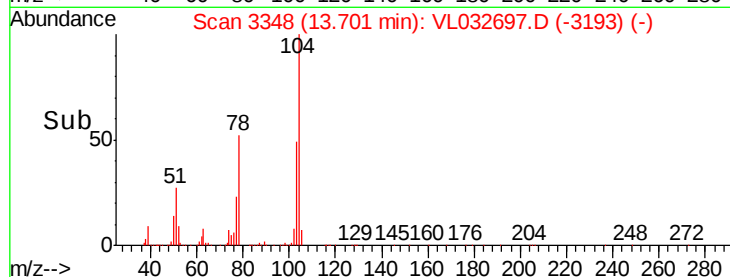
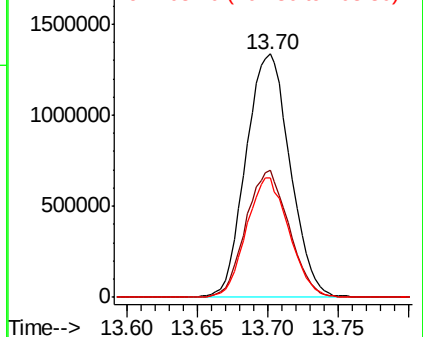
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.833 ppbv

RT: 14.84 min Scan# 3703

Delta R.T. -0.00 min

Lab File: VL032697.D

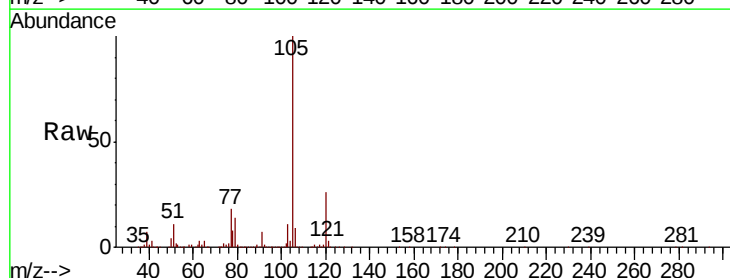
Acq: 25 Oct 2018 9:57

Tgt Ion:105 Resp: 5360422

Ion Ratio Lower Upper

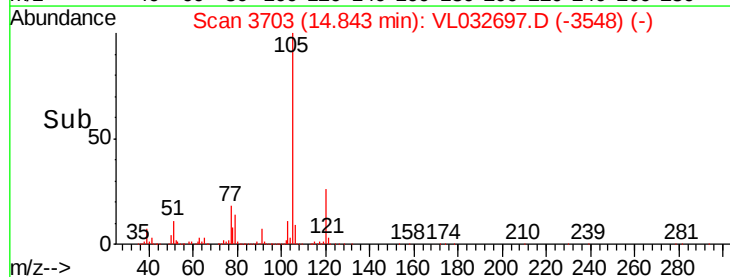
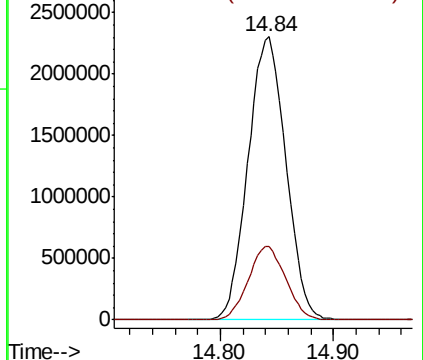
105 100

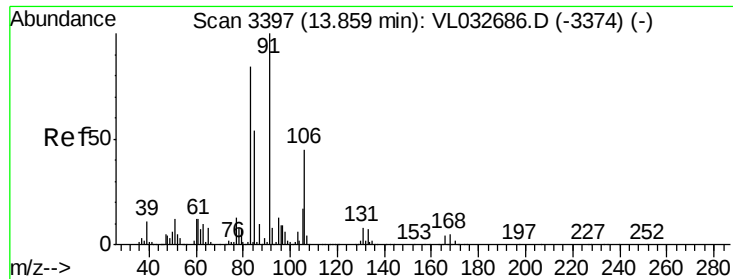
120 25.6 20.5 30.7



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





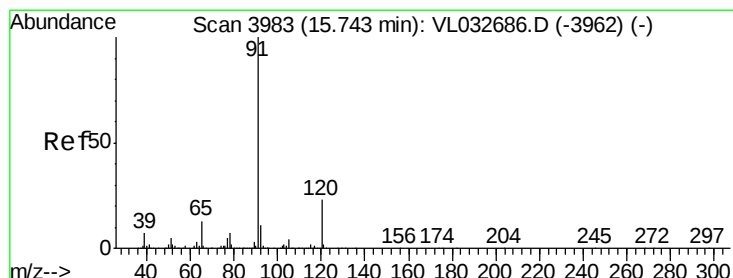
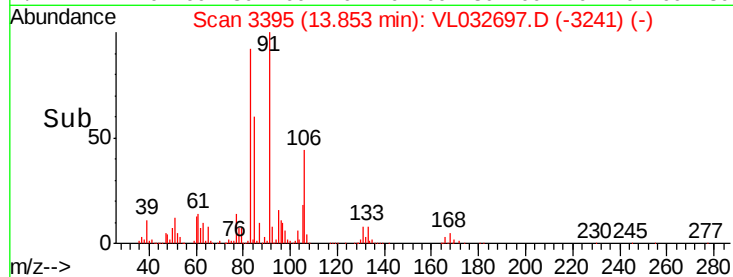
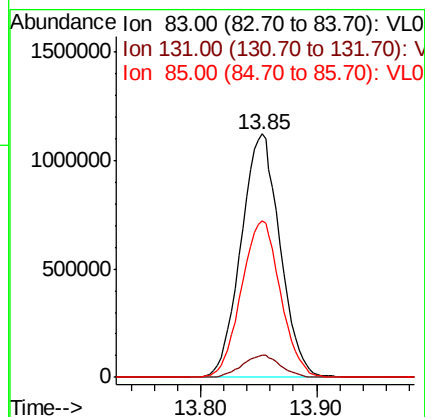
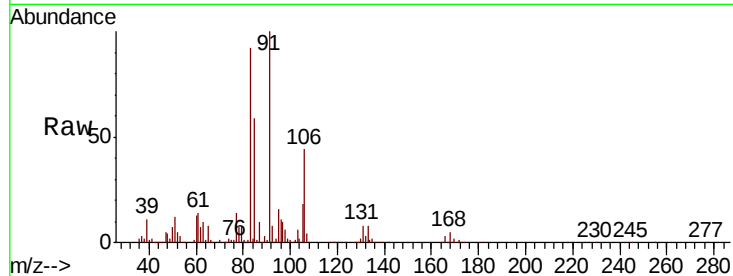
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.658 ppbv
 RT: 13.85 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 83 Resp: 2613000
 Ion Ratio Lower Upper
 83 100
 131 9.2 4.3 12.9
 85 64.9 32.3 96.9

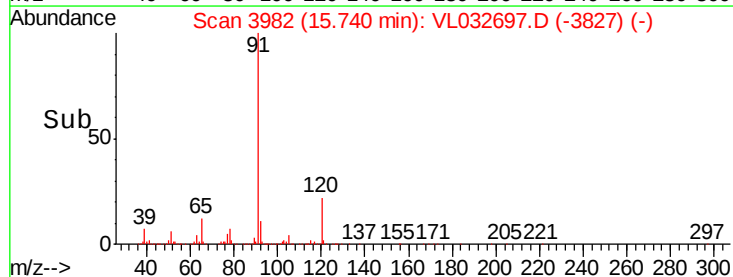
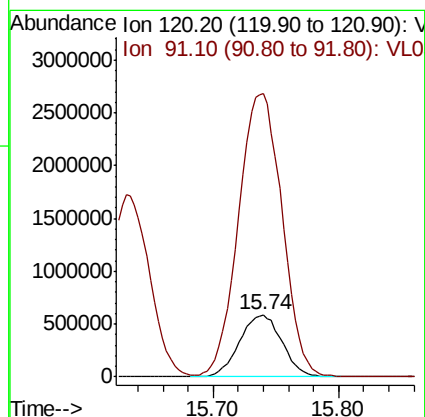
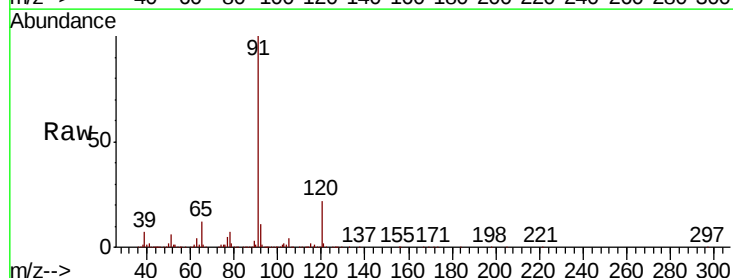
Manual Integrations
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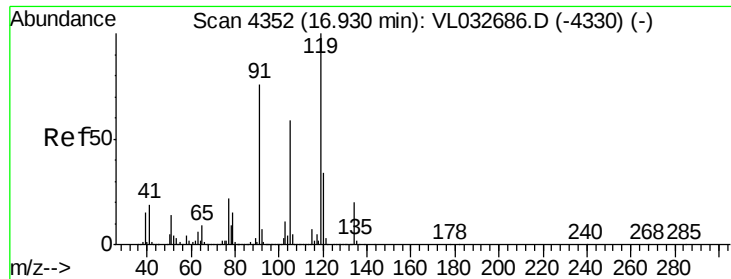
MMDadoda
 10/26/2018 3:41:04 PM



#64
 n-propylbenzene
 Concen: 10.129 ppbv
 RT: 15.74 min Scan# 3982
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Tgt Ion: 120 Resp: 1372333
 Ion Ratio Lower Upper
 120 100
 91 472.7 390.2 585.2





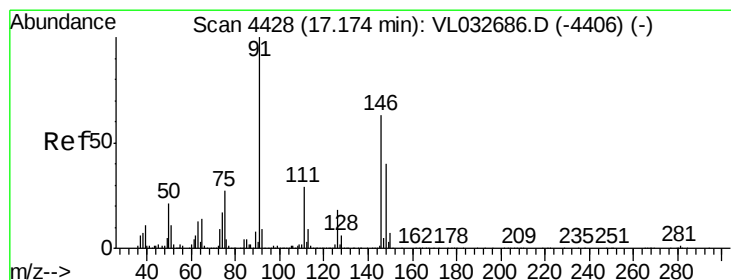
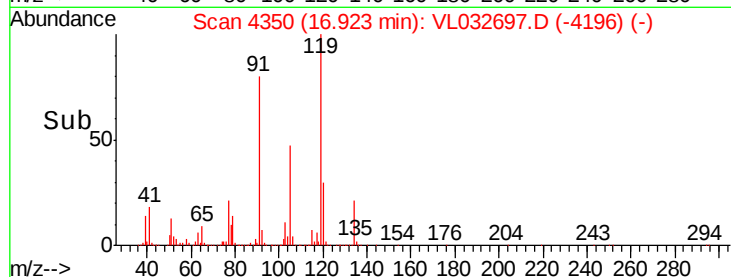
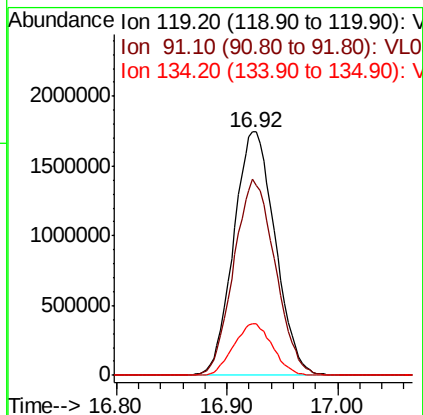
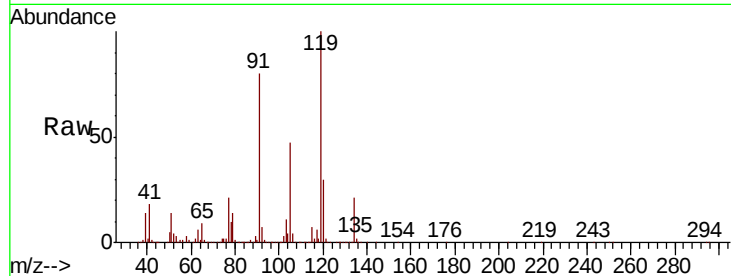
#65
tert-Butylbenzene
Concen: 9.782 ppbv
RT: 16.92 min Scan# 4350
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 119 Resp: 4541245
Ion Ratio Lower Upper
119 100
91 80.5 67.8 101.8
134 20.1 15.8 23.8

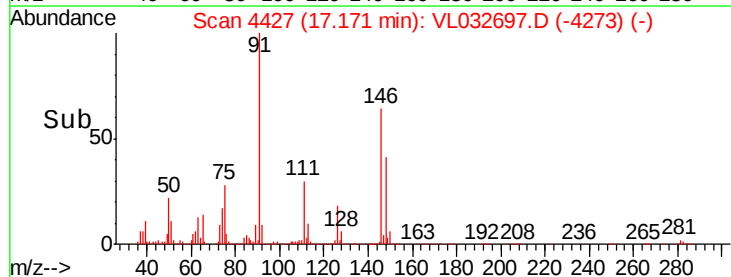
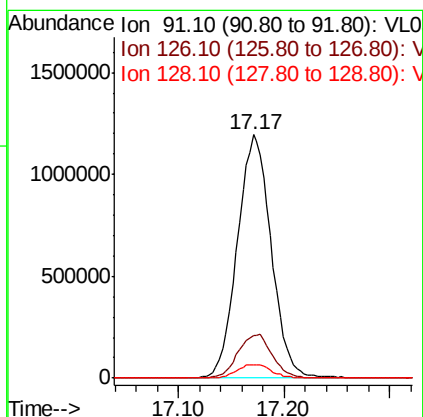
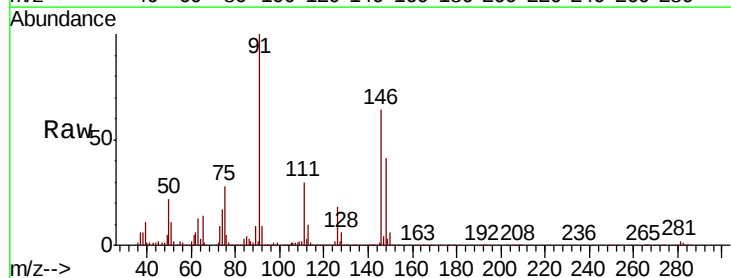
Manual Integrations
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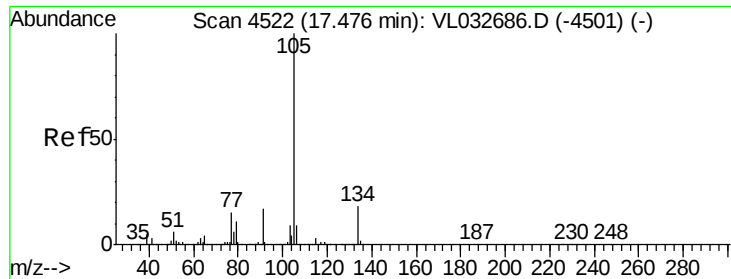
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#66
Benzyl Chloride
Concen: 11.095 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Tgt Ion: 91 Resp: 2659470
Ion Ratio Lower Upper
91 100
126 18.2 13.9 20.9
128 5.7 4.3 6.5





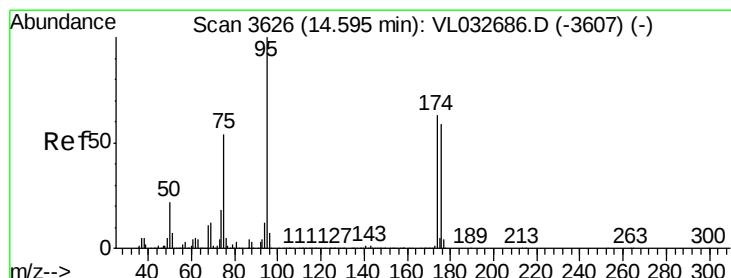
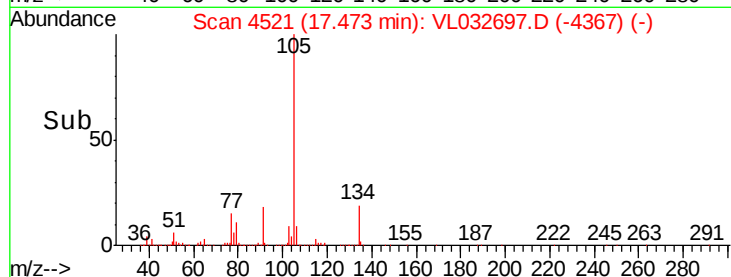
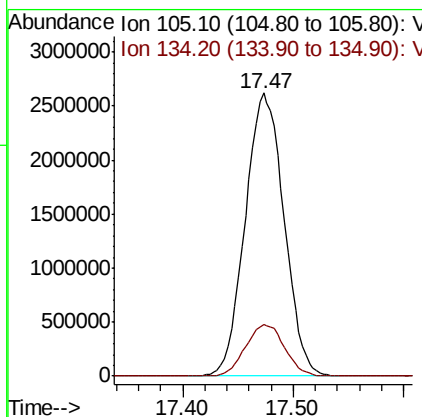
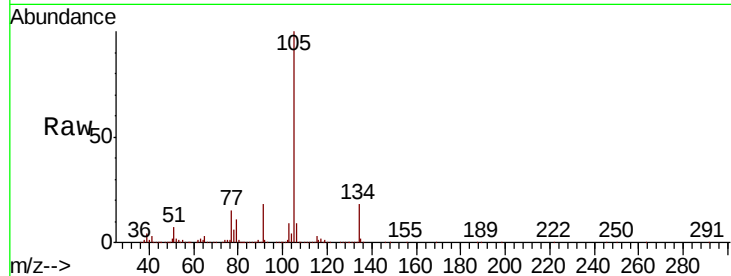
#67
 sec-Butylbenzene
 Concen: 9.664 ppbv
 RT: 17.47 min Scan# 4521
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 105 Resp: 6381372
 Ion Ratio Lower Upper
 105 100
 134 18.3 14.2 21.2

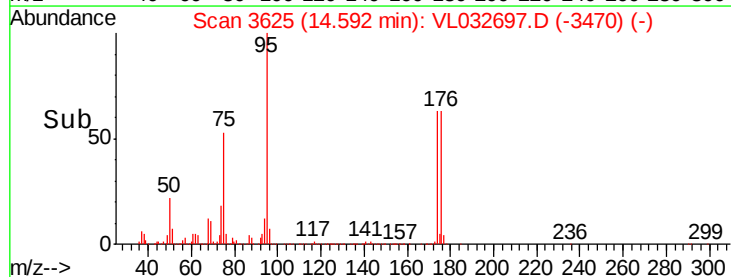
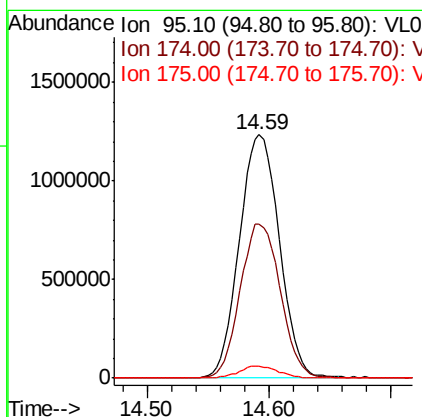
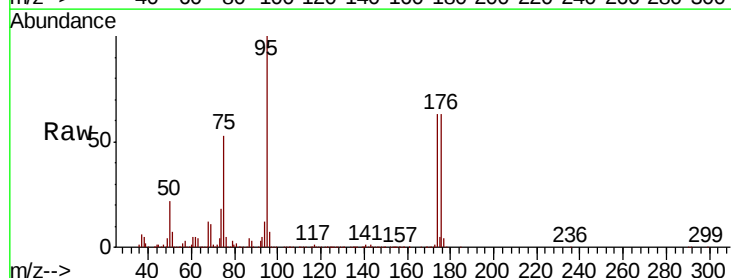
Manual Integrations
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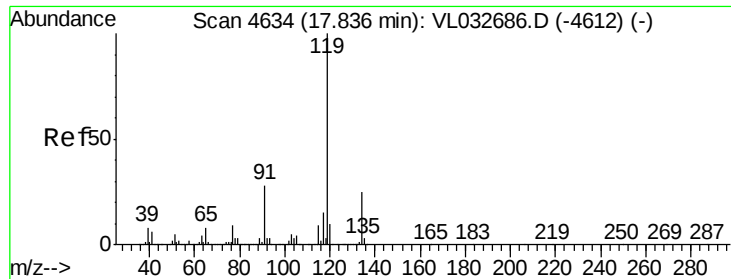
MMDadoda
 10/26/2018 3:41:04 PM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.741 ppbv
 RT: 14.59 min Scan# 3625
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Tgt Ion: 95 Resp: 2799608
 Ion Ratio Lower Upper
 95 100
 174 63.8 46.0 69.0
 175 4.8 3.4 5.0





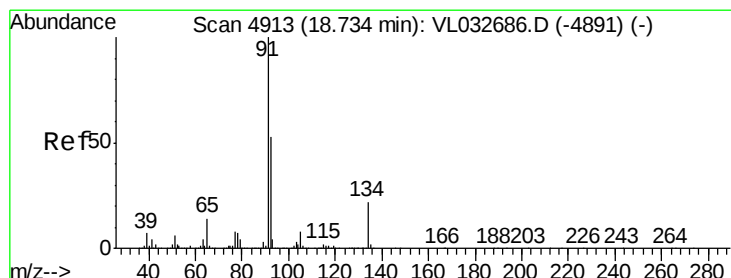
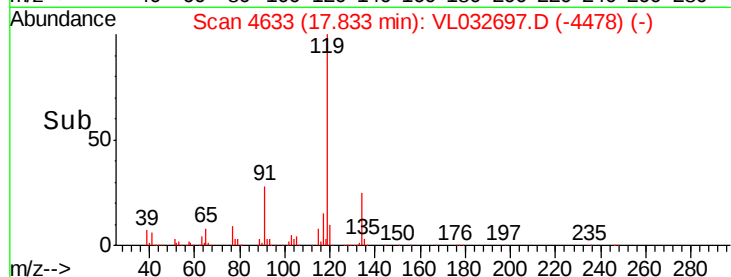
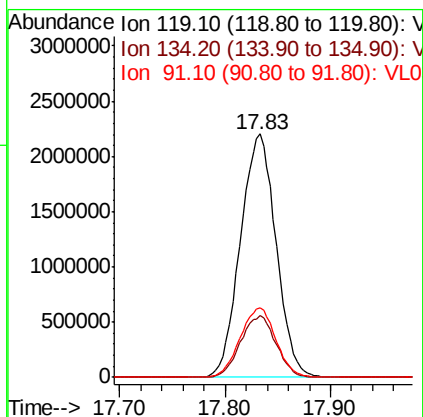
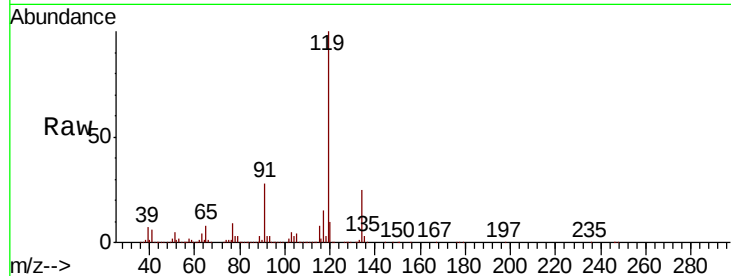
#69
p-Isopropyltoluene
Concen: 9.885 ppbv
RT: 17.83 min Scan# 4633
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.2
91	28.7	24.0	36.0

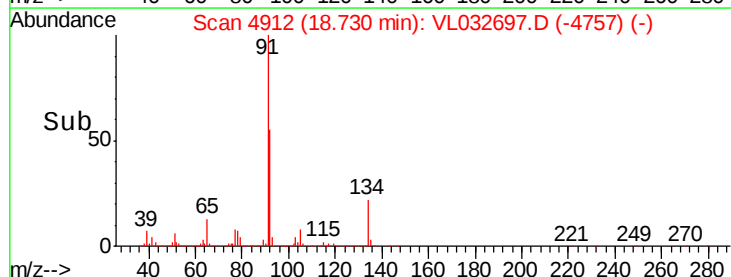
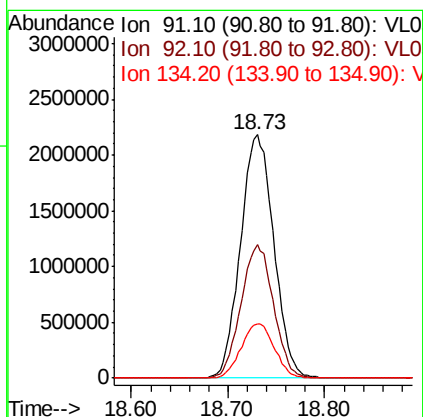
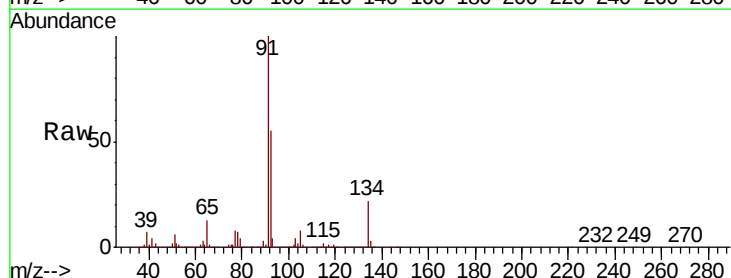
Manual Integrations
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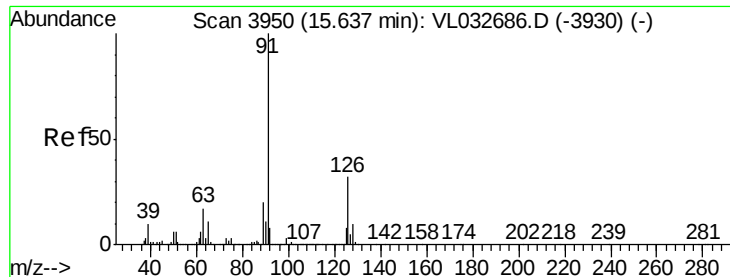
MMDadoda
10/26/2018 3:41:04 PM



#70
n-Butylbenzene
Concen: 9.695 ppbv
RT: 18.73 min Scan# 4912
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.5	43.0	64.4
134	22.3	17.0	25.6





#71

2-Chlorotoluene

Concen: 10.254 ppbv

RT: 15.63 min Scan# 3948

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 3972547

Ion Ratio Lower Upper

91 100

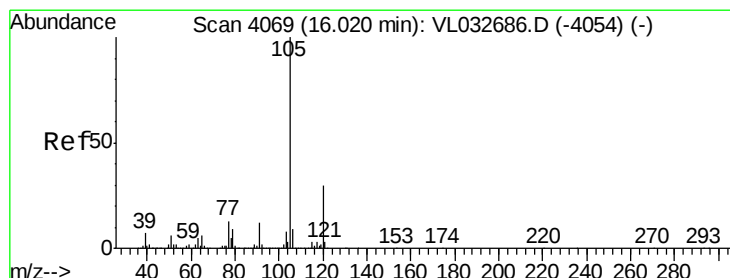
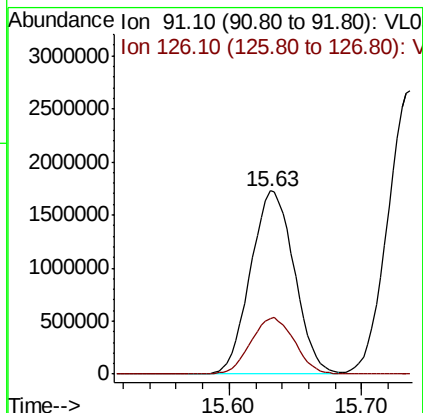
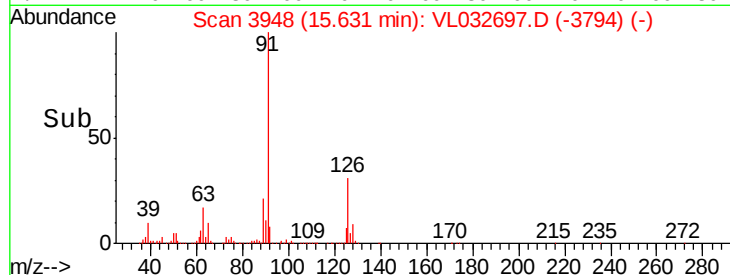
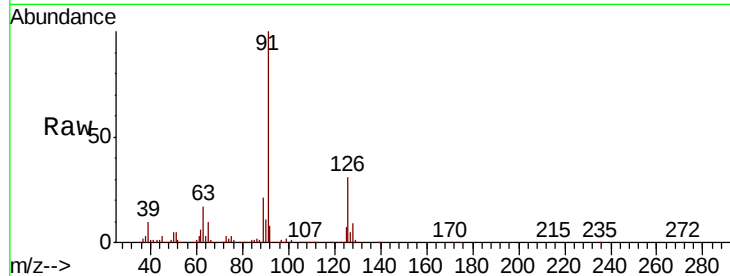
126 30.8 11.8 47.4

Manual Integrations

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#72

4-Ethyltoluene

Concen: 10.587 ppbv

RT: 16.02 min Scan# 4068

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Tgt Ion: 105 Resp: 4343229

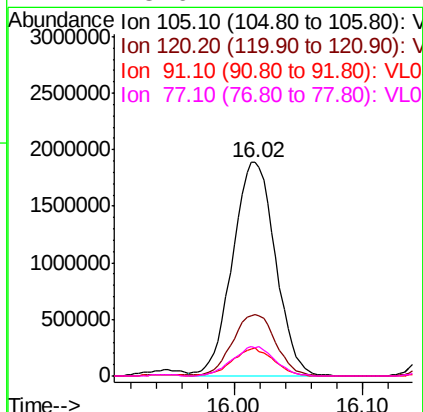
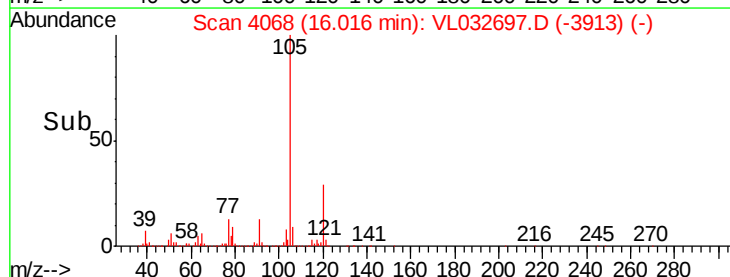
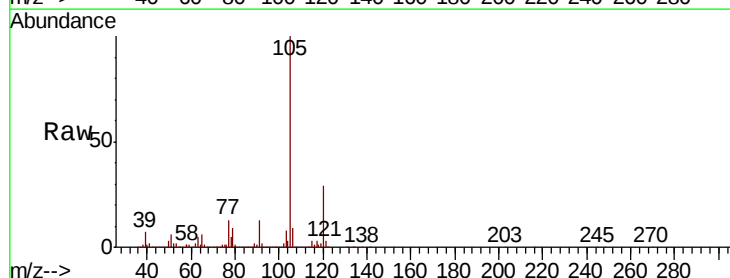
Ion Ratio Lower Upper

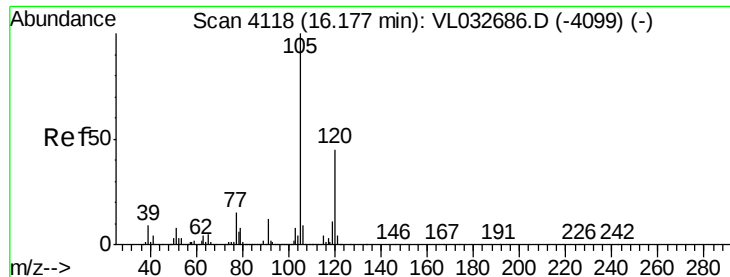
105 100

120 29.2 23.7 35.5

91 12.7 10.4 15.6

77 13.6 11.4 17.2





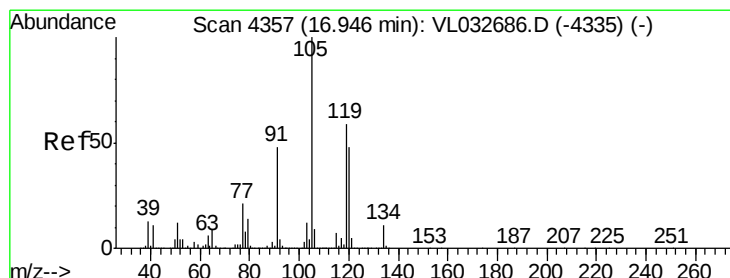
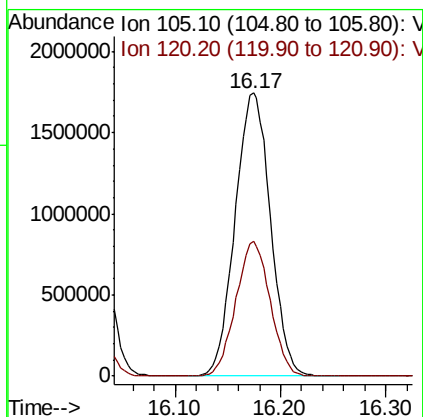
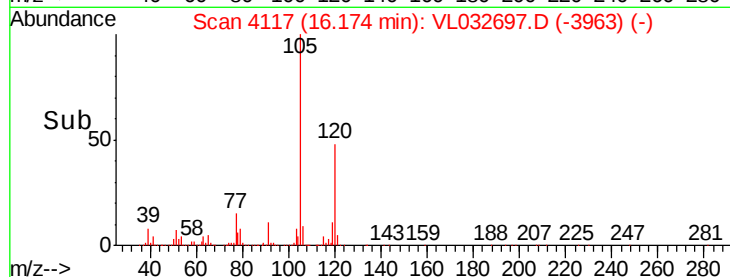
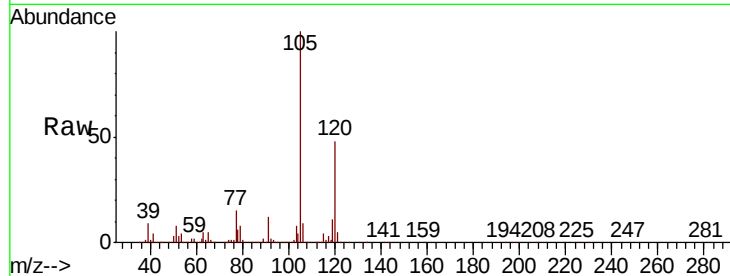
#73
 1,3,5-Trimethylbenzene
 Concen: 10.134 ppbv
 RT: 16.17 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:105 Resp: 4049479
 Ion Ratio Lower Upper
 105 100
 120 47.6 35.4 53.2

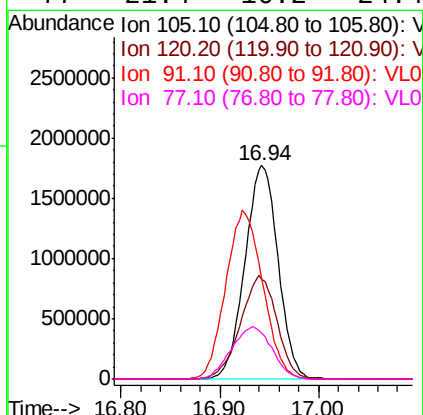
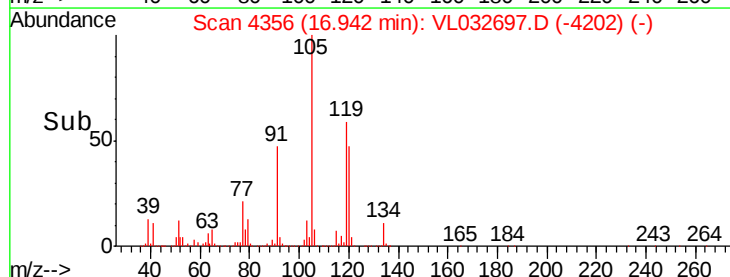
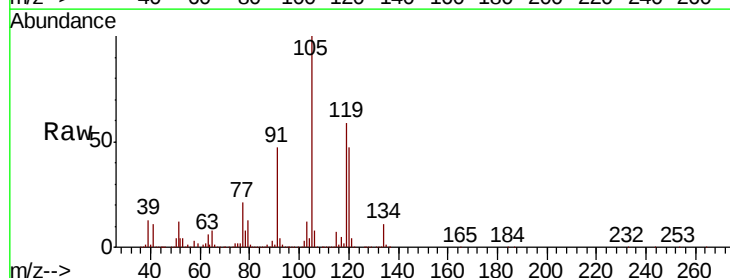
Manual Integrations
 APPROVED

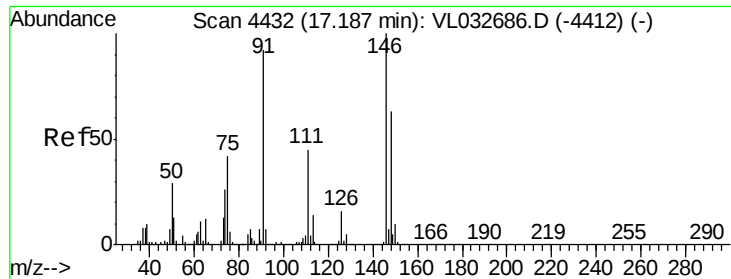
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.640 ppbv
 RT: 16.94 min Scan# 4356
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Tgt Ion:105 Resp: 4113693
 Ion Ratio Lower Upper
 105 100
 120 46.8 35.8 53.8
 91 47.3 33.2 49.8
 77 21.4 16.2 24.4





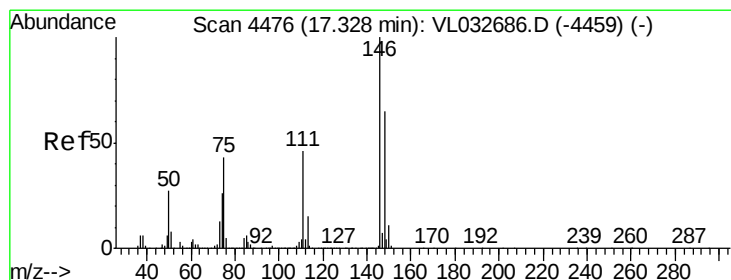
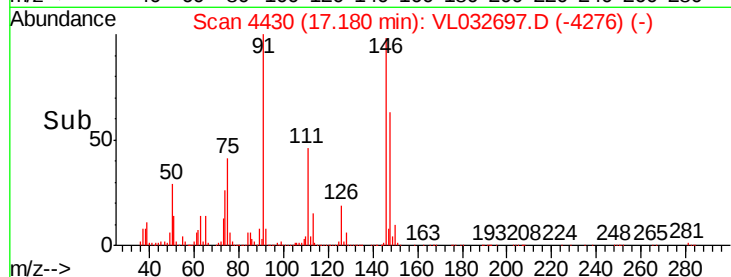
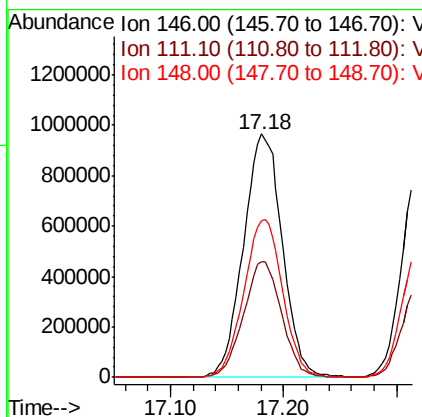
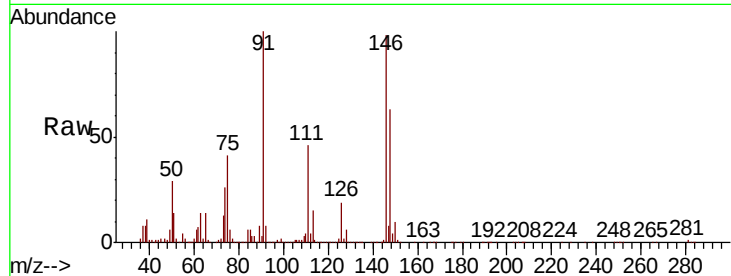
#75
 1,3-Dichlorobenzene
 Concen: 9.381 ppbv
 RT: 17.18 min Scan# 4430
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 2301960
 Ion Ratio Lower Upper
 146 100
 111 46.8 24.4 73.2
 148 64.8 31.9 95.9

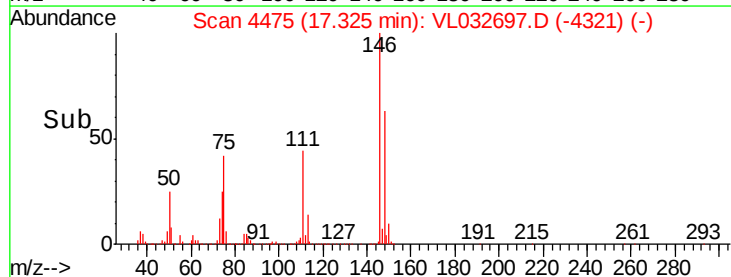
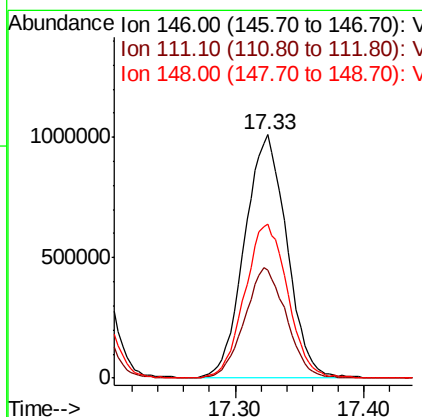
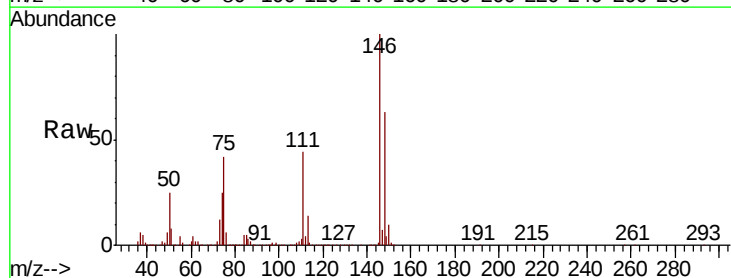
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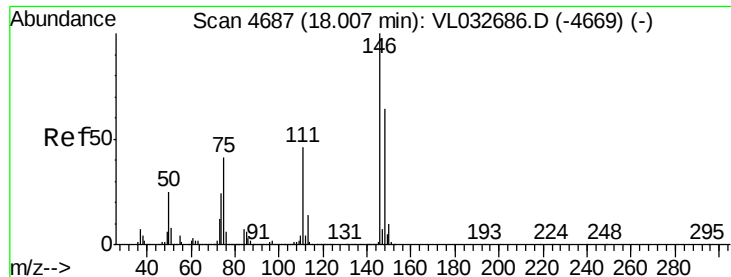
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#76
 1,4-Dichlorobenzene
 Concen: 10.100 ppbv
 RT: 17.33 min Scan# 4475
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Tgt Ion:146 Resp: 2286978
 Ion Ratio Lower Upper
 146 100
 111 45.1 23.7 71.1
 148 65.0 32.1 96.3





#77

1,2-Dichlorobenzene

Concen: 9.349 ppbv

RT: 18.01 min Scan# 4687

Delta R.T. -0.00 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 2173285

Ion Ratio Lower Upper

146 100

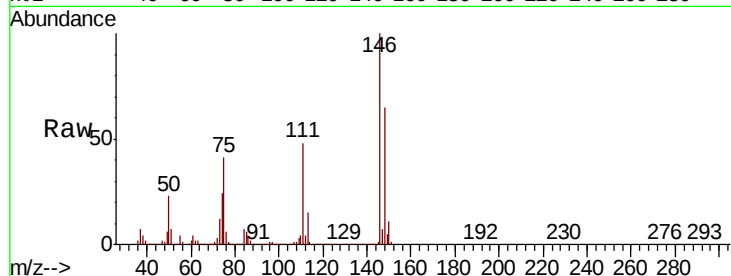
111 47.9 25.3 75.8

148 63.8 31.9 95.9

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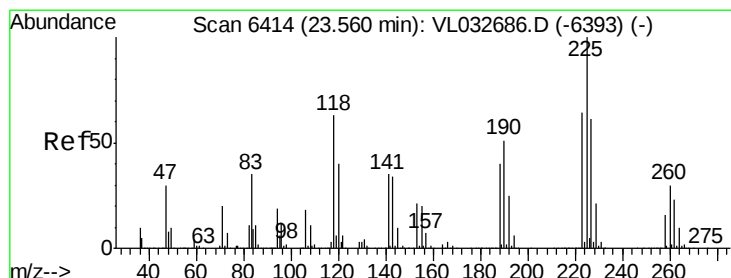
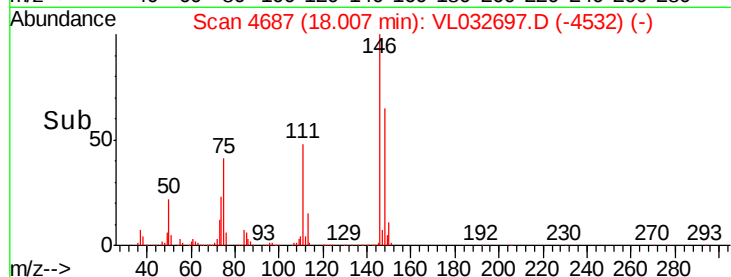
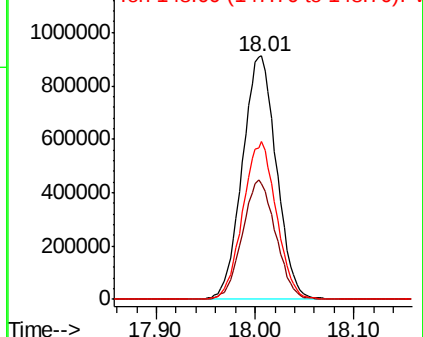


Abundance

Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 12.541 ppbv

RT: 23.56 min Scan# 6414

Delta R.T. 0.01 min

Lab File: VL032697.D

Acq: 25 Oct 2018 9:57

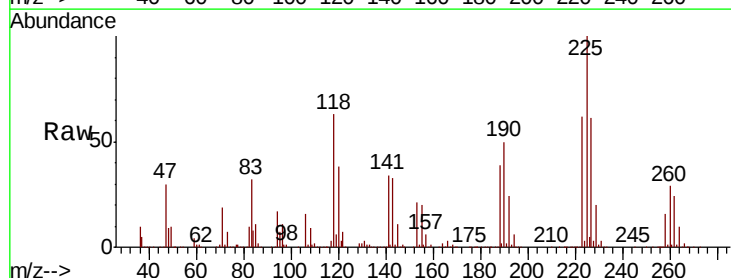
Tgt Ion:225 Resp: 1377566

Ion Ratio Lower Upper

225 100

223 63.2 50.7 76.1

227 63.4 50.7 76.1

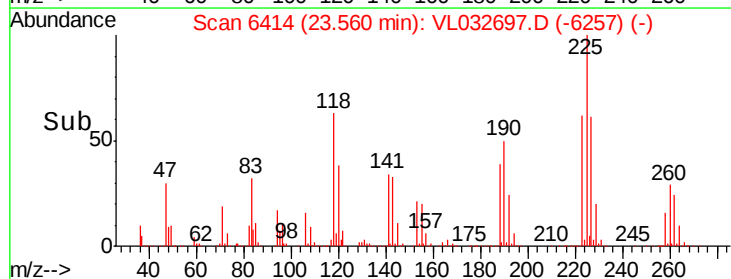
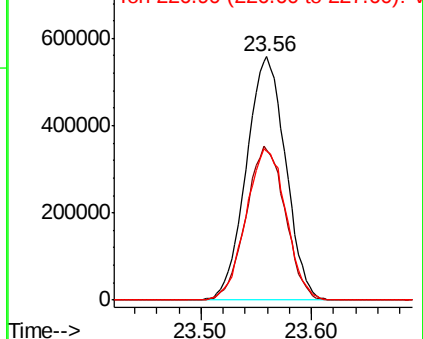


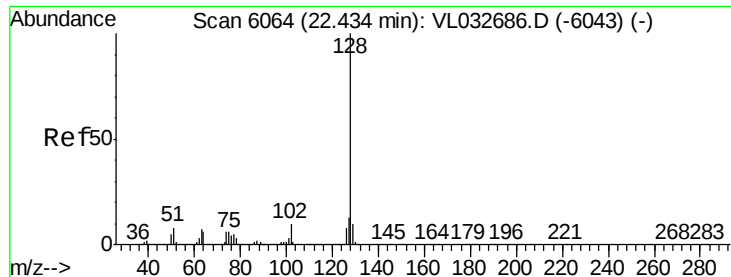
Abundance

Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





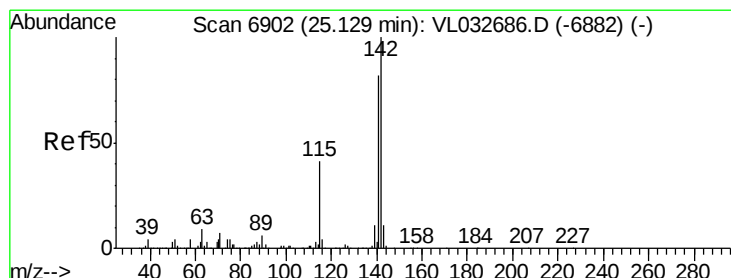
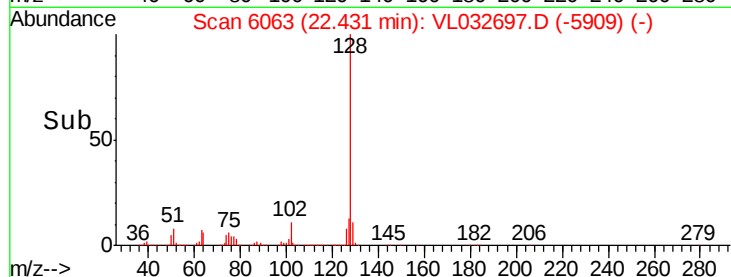
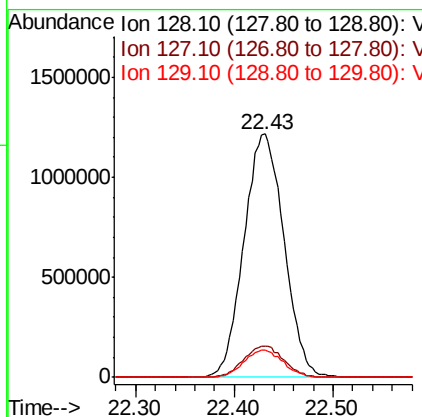
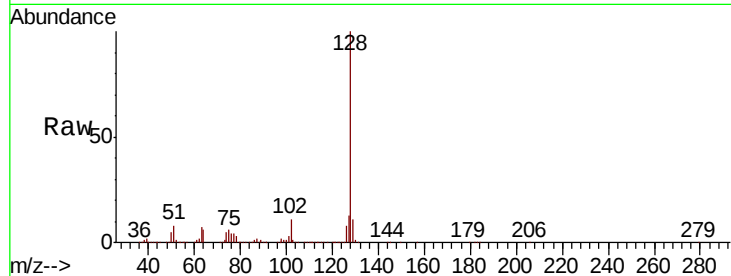
#79
Naphthalene
Concen: 12.839 ppbv
RT: 22.43 min Scan# 6063
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:128 Resp: 3405179
Ion Ratio Lower Upper
128 100
127 12.9 10.3 15.5
129 11.4 8.6 13.0

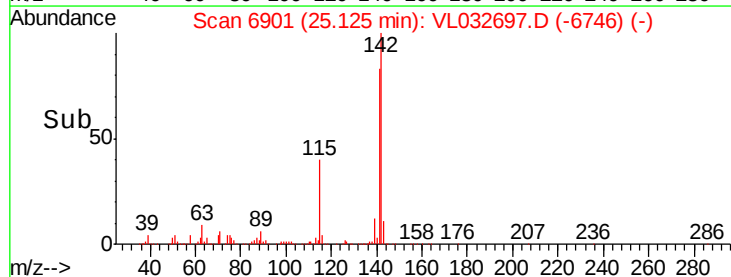
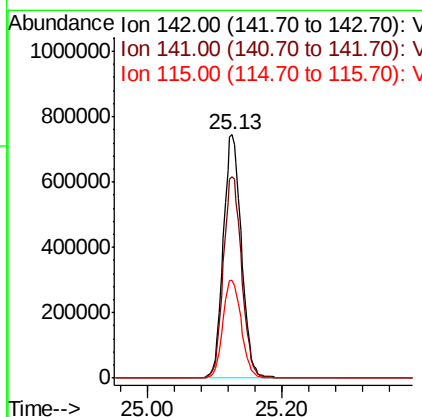
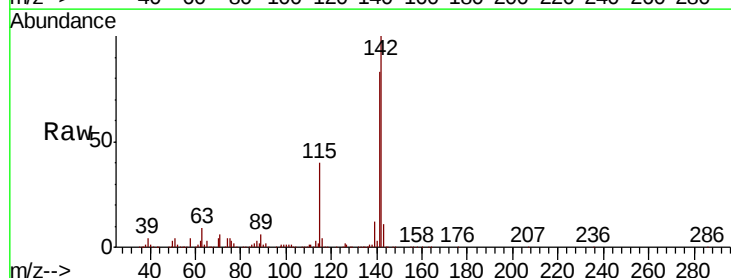
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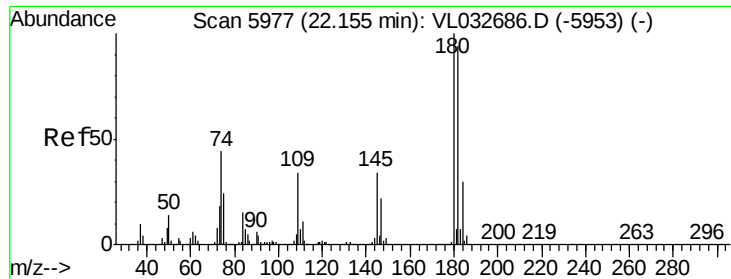
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#80
Naphthalene, 2-methyl-
Concen: 21.808 ppbv
RT: 25.13 min Scan# 6901
Delta R.T. -0.00 min
Lab File: VL032697.D
Acq: 25 Oct 2018 9:57

Tgt Ion:142 Resp: 1406525
Ion Ratio Lower Upper
142 100
141 83.4 67.5 101.3
115 40.9 33.5 50.3





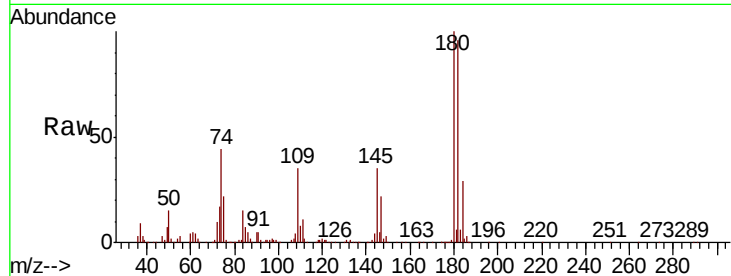
#81
 1,2,4-Trichlorobenzene
 Concen: 12.333 ppbv
 RT: 22.15 min Scan# 5977
 Delta R.T. -0.00 min
 Lab File: VL032697.D
 Acq: 25 Oct 2018 9:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.5	114.7
184	30.6	24.7	37.1

Manual Integrations
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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

