

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL051618\
 Data File : VL032004.D
 Acq On : 16 May 2018 15:00
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 5/17/2018 3:34:11 PM

Quant Time: May 17 09:11:11 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 0
 QLast Update : Thu May 03 15:52:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.88	49	1247355	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.42	114	2627261	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.38	117	2738241m	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.71	95	2055817	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.15	85	1305959	7.92	ppbv	99
3) Chlorodifluoromethane	3.09	51	1138055	9.70	ppbv	99
4) Chloromethane	3.25	50	592170	9.58	ppbv	100
5) Vinyl Chloride	3.37	62	628152	9.00	ppbv	100
6) Bromomethane	3.60	94	449781	9.90	ppbv	100
7) Chloroethane	3.69	64	262347	9.88	ppbv	93
8) Dichlorotetrafluoroethane	3.30	85	1581836	9.64	ppbv	97
9) Propene	3.11	41	423389	9.84	ppbv	99
10) Heptane	8.37	43	1492112	10.09	ppbv	99
11) Trichlorofluoromethane	4.10	101	2196515	11.04	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.65	101	1415310	10.10	ppbv	97
13) Ethanol	3.73	45	132292	8.24	ppbv #	100
14) Bromoethene	3.88	108	510171	9.85	ppbv	98
15) Acetone	3.99	43	1323458	7.51	ppbv	99
16) 1,3-Butadiene	3.44	39	571639	10.09	ppbv	94
17) tert-Butyl alcohol	4.45	59	768256	10.53	ppbv	99
18) 1,1-Dichloroethene	4.45	96	636244	10.36	ppbv	96
19) Isopropyl Alcohol	4.12	45	1009459	10.59	ppbv	100
20) Methylene Chloride	4.51	84	610239	10.26	ppbv	96
21) Allyl Chloride	4.58	41	1026356	10.21	ppbv	99
22) trans-1,2-Dichloroethene	5.07	96	657864	9.65	ppbv	98
23) Vinyl Acetate	5.26	43	1967439	9.76	ppbv	99
24) 1,1-Dichloroethane	5.20	63	1771225	9.42	ppbv	100
25) Ethyl Acetate	5.88	43	2819236	9.31	ppbv	100
26) Hexane	5.89	57	1331358	9.36	ppbv	99
27) Carbon Disulfide	4.72	76	1791928	11.24	ppbv	99
28) Methyl tert-Butyl Ether	5.22	73	1708647	9.76	ppbv	99
29) Chloroform	5.96	83	2118341	9.41	ppbv	98
30) Cyclohexane	7.37	84	939816	9.91	ppbv	98
31) cis-1,2-Dichloroethene	5.76	61	1253879	9.63	ppbv	97
32) 1,1,1-Trichloroethane	6.74	97	1785387	8.60	ppbv	99
34) 2-Butanone	5.44	43	1806888	8.34	ppbv	100
35) Carbon Tetrachloride	7.26	117	1924844	9.24	ppbv	97
36) Benzene	7.13	78	2160268	8.73	ppbv	98
37) 1,2-Dichloroethane	6.53	62	1519626	8.54	ppbv	99
38) Trichloroethene	8.09	130	925701	9.85	ppbv	97
39) 1,2-Dichloropropane	7.86	63	816439	9.48	ppbv	96
40) 1,4-Dioxane	8.08	88	369996	9.53	ppbv	99
41) Tetrahydrofuran	6.26	42	806476	8.54	ppbv	99
42) Bromodichloromethane	8.04	83	1927865	9.72	ppbv	99
43) Methyl Methacrylate	8.26	69	838059	10.05	ppbv	98

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Quant Time: May 17 09:11:11 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL050318AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu May 03 15:52:13 2018
 QLast Update : Thu May 03 15:52:13 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.12	57	3767164	9.44	ppbv	100
45) t-1,3-Dichloropropene	9.55	75	1234419	11.17	ppbv	99
46) cis-1,3-Dichloropropene	8.97	75	1497805	10.97	ppbv	99
47) 1,1,2-Trichloroethane	9.75	97	958263	9.40	ppbv	99
48) Dibromochloromethane	10.59	129	1651696	10.10	ppbv	99
49) Bromoform	13.34	173	1263026	9.96	ppbv	100
50) 4-Methyl-2-Pentanone	9.00	43	2018465	9.86	ppbv	99
51) 2-Hexanone	10.40	43	1939012	10.40	ppbv #	100
52) Tetrachloroethene	11.51	164	865231	9.44	ppbv	99
53) Toluene	10.08	91	2727100	10.22	ppbv	100
54) 1,2-Dibromoethane	10.90	107	1465074	9.65	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.41	131	1126448	9.03	ppbv #	60
57) Chlorobenzene	12.44	112	2093141	8.86	ppbv	100
58) Ethyl Benzene	13.00	91	3739340	9.53	ppbv	99
59) m/p-Xylene	13.29	91	6203596m	18.65	ppbv	
60) o-Xylene	13.99	91	3147708	9.43	ppbv	100
61) Styrene	13.82	104	736933	10.89	ppbv	99
62) Isopropylbenzene	14.96	105	3860235	9.05	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.97	83	2018317	8.51	ppbv	99
64) n-propylbenzene	15.86	120	982943	9.19	ppbv	99
65) tert-Butylbenzene	17.04	119	3365712	8.84	ppbv	99
66) Benzyl Chloride	17.30	91	346921	10.03	ppbv	99
67) sec-Butylbenzene	17.59	105	4764044	9.02	ppbv	100
69) p-Isopropyltoluene	17.95	119	3934605	9.26	ppbv	99
70) n-Butylbenzene	18.85	91	4113385	9.36	ppbv	99
71) 2-Chlorotoluene	15.75	91	2923721	9.36	ppbv	100
72) 4-Ethyltoluene	16.14	105	3244398	9.57	ppbv	99
73) 1,3,5-Trimethylbenzene	16.29	105	2898002	9.25	ppbv	99
74) 1,2,4-Trimethylbenzene	17.06	105	3113192	8.98	ppbv	94
75) 1,3-Dichlorobenzene	17.30	146	1946991	9.10	ppbv	99
76) 1,4-Dichlorobenzene	17.44	146	1961077	9.26	ppbv	100
77) 1,2-Dichlorobenzene	18.12	146	1917058	8.90	ppbv	100
78) Hexachloro-1,3-Butadiene	23.67	225	987409	10.09	ppbv	100
79) Naphthalene	22.57	128	3451282	14.30	ppbv	98
80) Naphthalene, 2-methyl-	25.22	142	1561733	27.13	ppbv	99
81) 1,2,4-Trichlorobenzene	22.30	180	1709433	12.77	ppbv	100

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

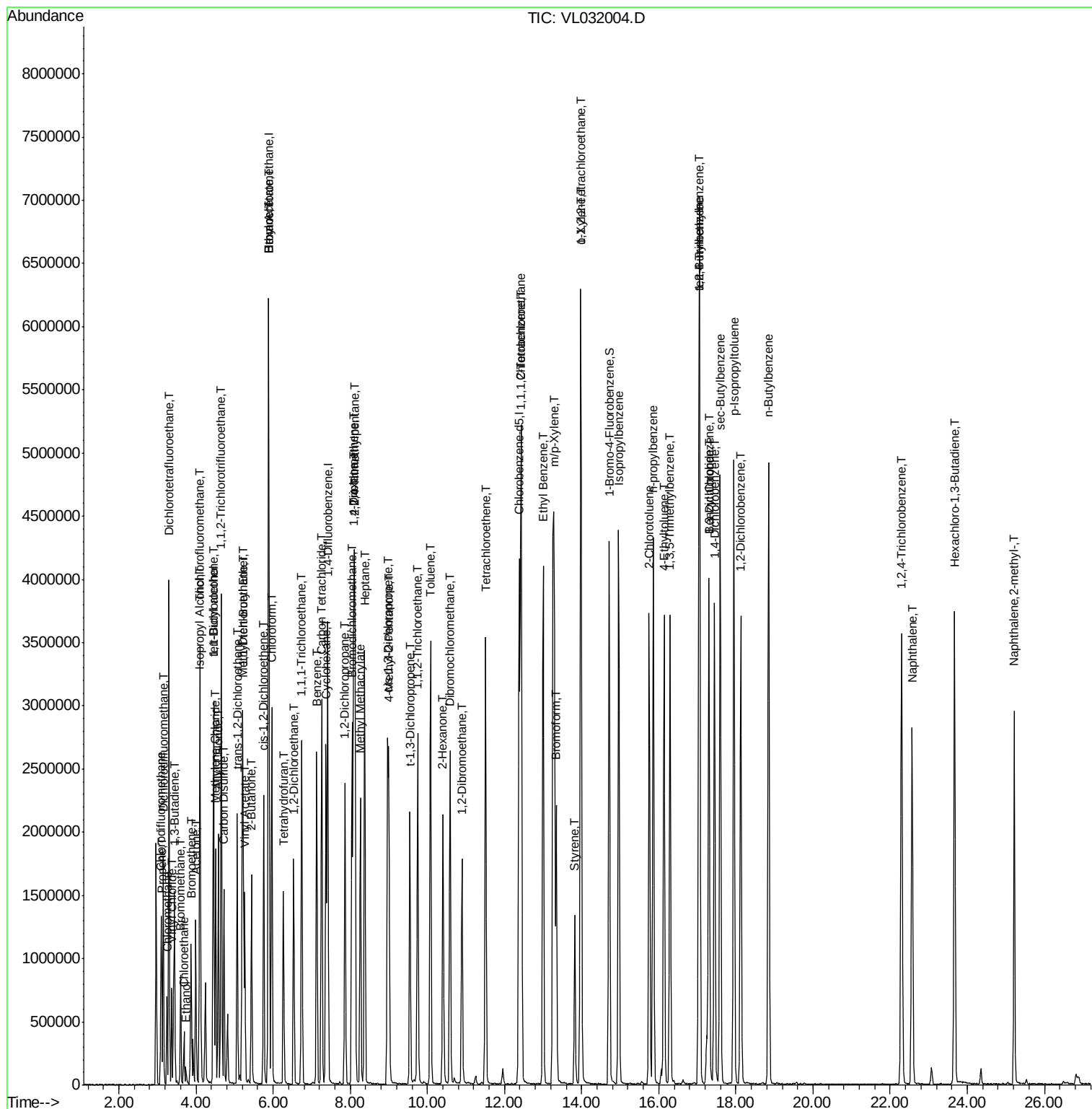
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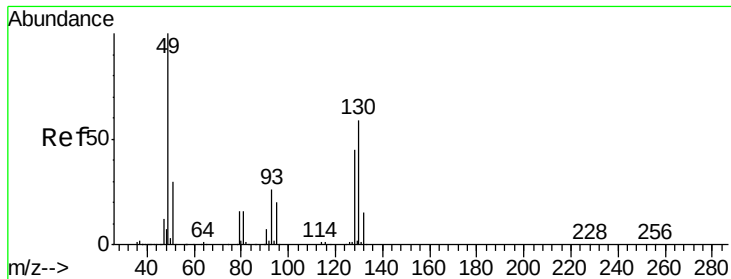
Instrument :
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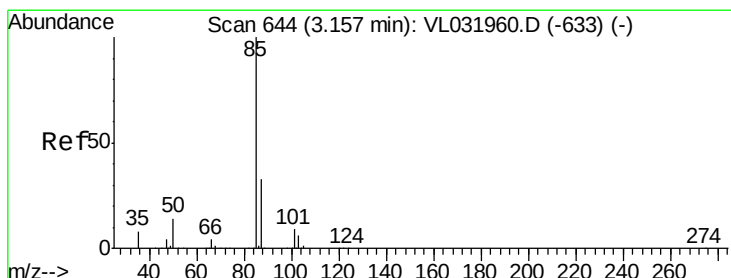
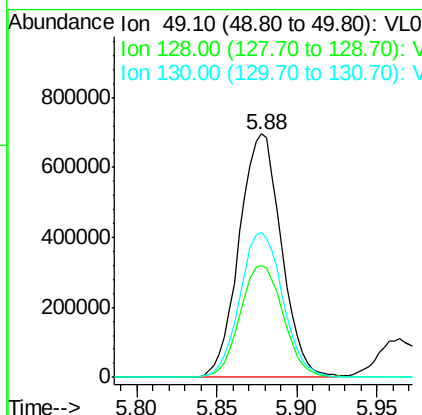
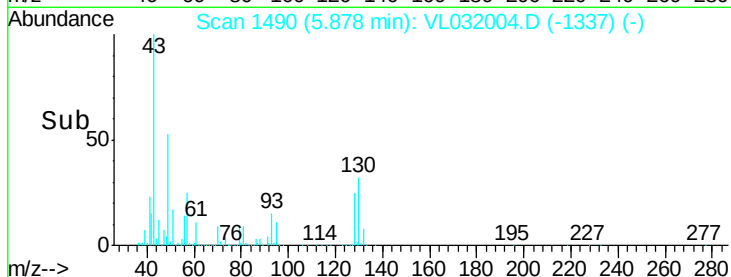
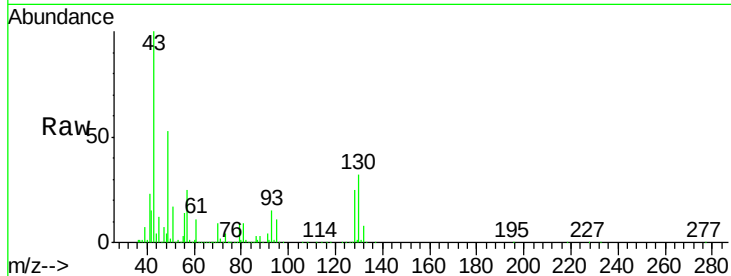
#1
 Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.88 min Scan# 1490
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:	49	Resp:	1247355
Ion	Ratio	Lower	Upper
49	100		
128	47.7	24.1	72.3
130	61.1	30.7	92.1

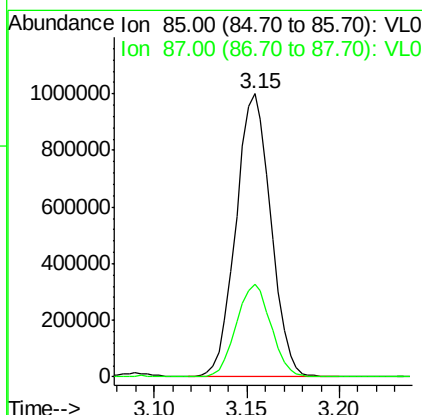
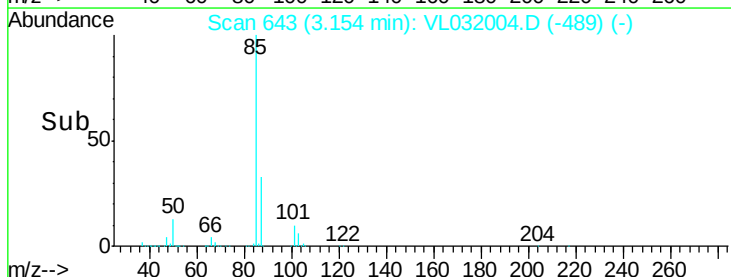
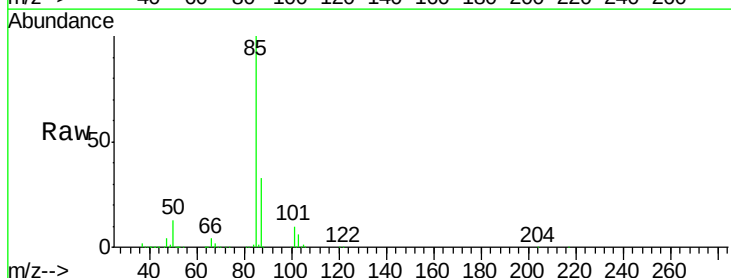
Manual Integrations
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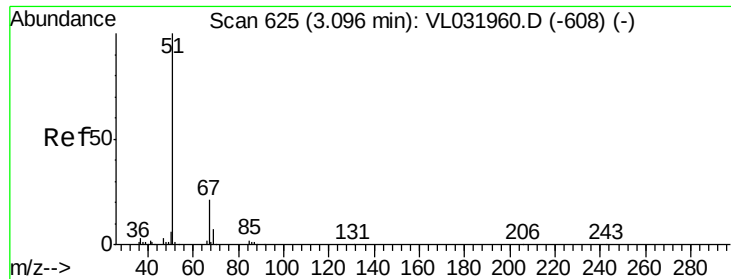
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#2
 Dichlorodifluoromethane
 Concen: 7.92 ppbv
 RT: 3.15 min Scan# 643
 Delta R.T. -0.00 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion:	85	Resp:	1305959
Ion	Ratio	Lower	Upper
85	100		
87	32.8	26.8	40.2





#3

Chlorodifluoromethane

Concen: 9.70 ppbv

RT: 3.09 min Scan# 623

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Tot Ion: 51 Resp: 1138055

Ion Ratio Lower Upper

51 100

67 20.5 15.9 23.9

Instrument :

MSVOA_L

ClientSampleId :

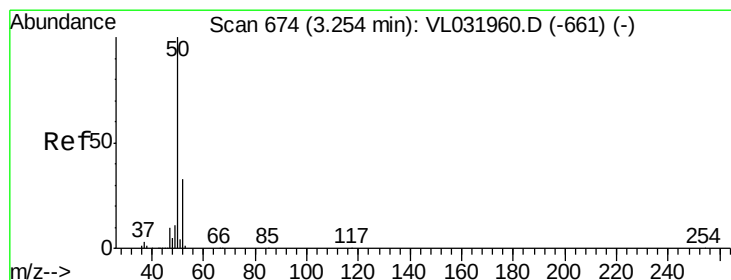
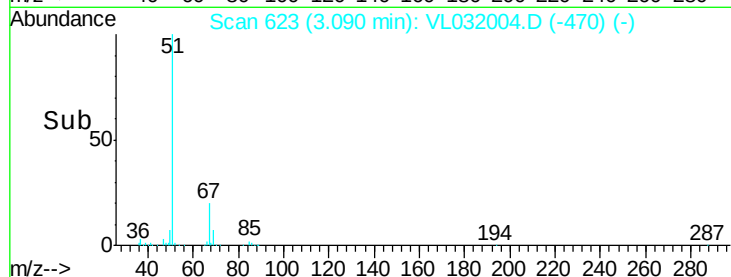
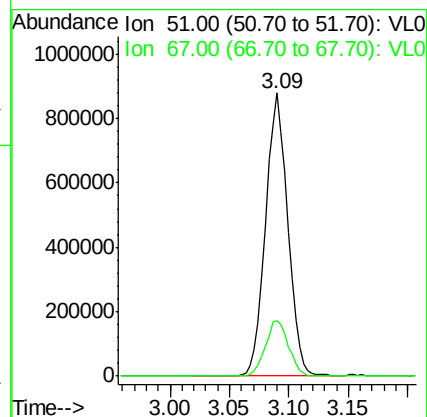
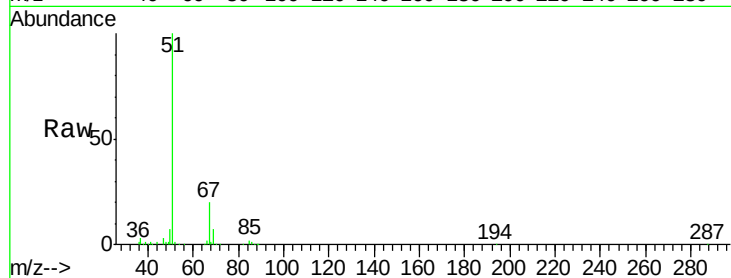
VSTDCCC010

Manual Integrations

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#4

Chloromethane

Concen: 9.58 ppbv

RT: 3.25 min Scan# 673

Delta R.T. -0.00 min

Lab File: VL032004.D

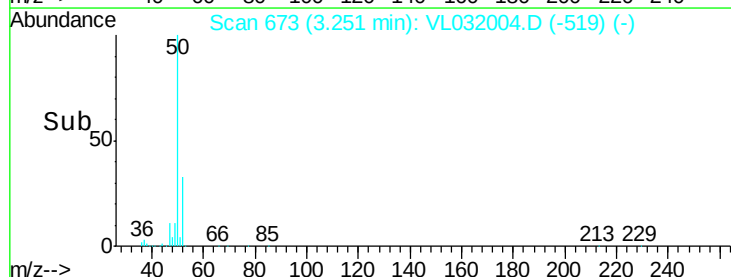
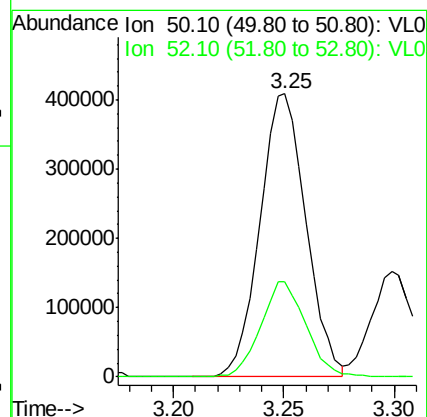
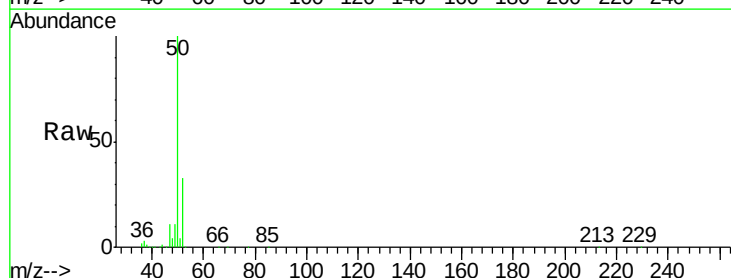
Acq: 16 May 2018 15:00

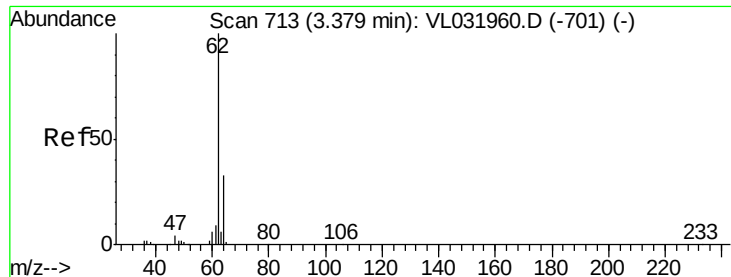
Tgt Ion: 50 Resp: 592170

Ion Ratio Lower Upper

50 100

52 33.4 26.6 39.8





#5

Vinyl Chloride

Concen: 9.00 ppbv

RT: 3.37 min Scan# 711

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010

Tot Ion: 62 Resp: 628152

Ion Ratio Lower Upper

62 100

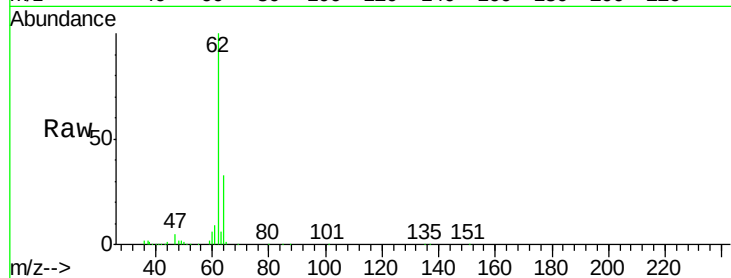
64 33.2 26.6 39.8

Manual Integrations

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.37

400000

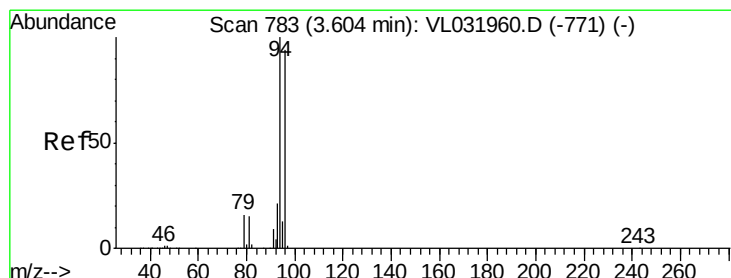
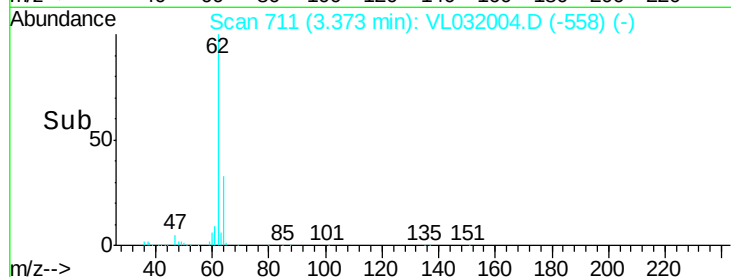
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.90 ppbv

RT: 3.60 min Scan# 781

Delta R.T. -0.01 min

Lab File: VL032004.D

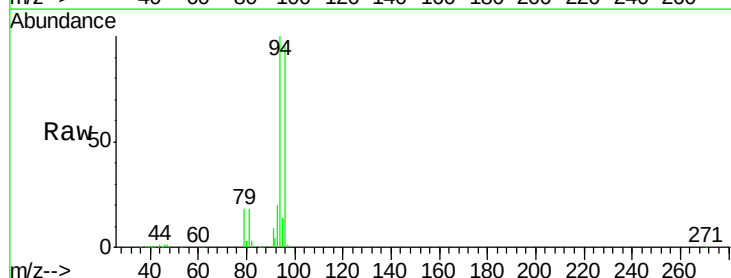
Acq: 16 May 2018 15:00

Tgt Ion: 94 Resp: 449781

Ion Ratio Lower Upper

94 100

96 94.7 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.60

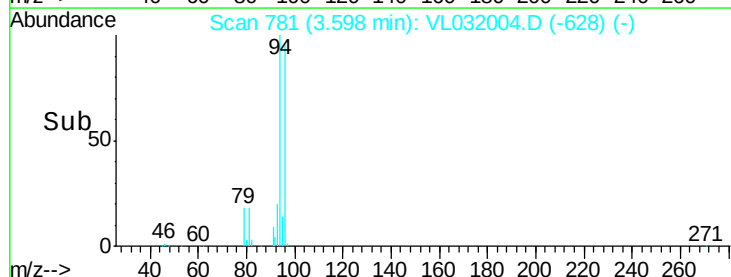
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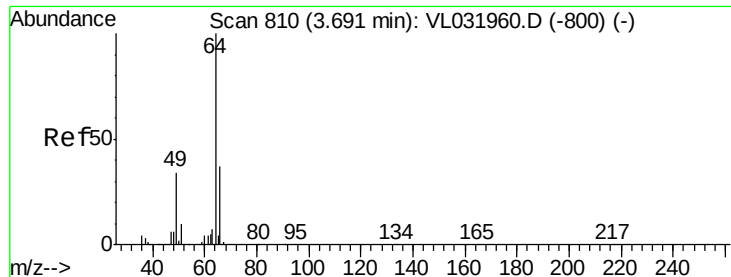
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.88 ppbv

RT: 3.69 min Scan# 809

Delta R.T. -0.00 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 262347

Ion Ratio Lower Upper

64 100

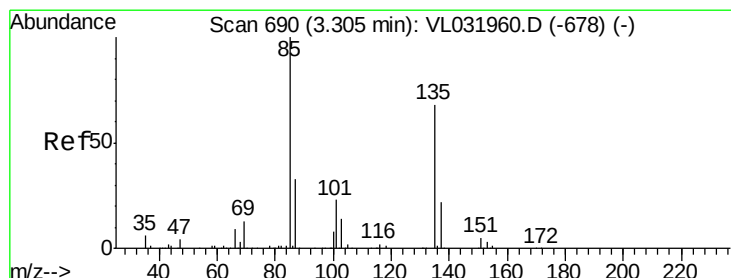
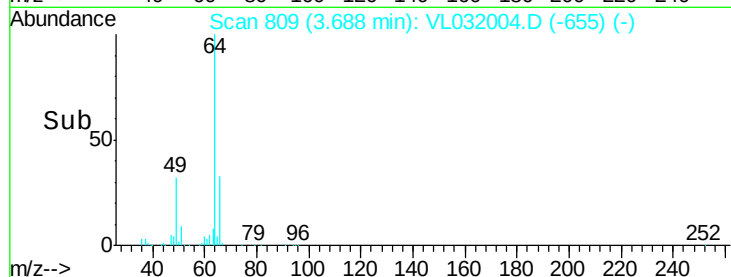
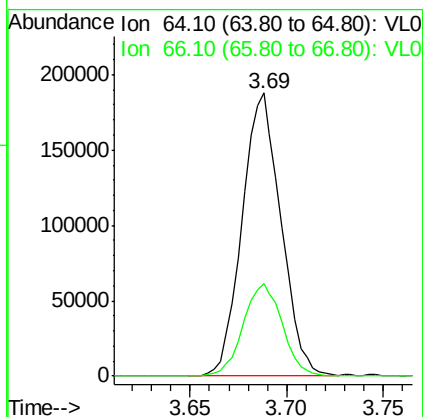
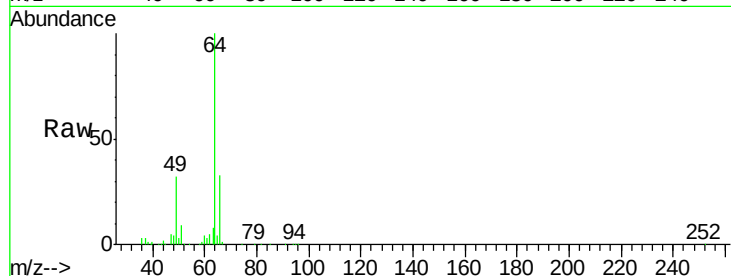
66 32.9 29.6 44.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.64 ppbv

RT: 3.30 min Scan# 688

Delta R.T. -0.01 min

Lab File: VL032004.D

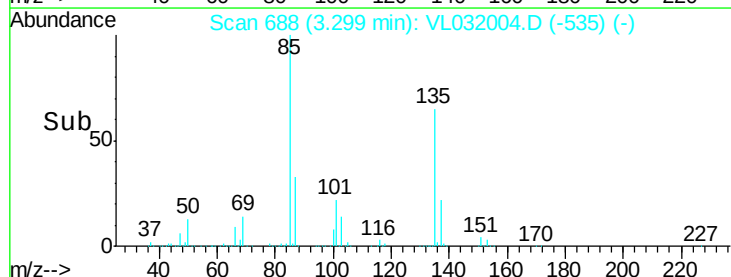
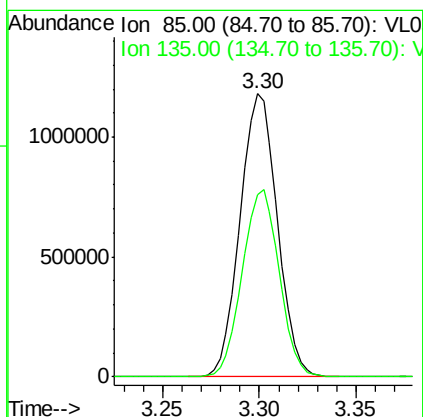
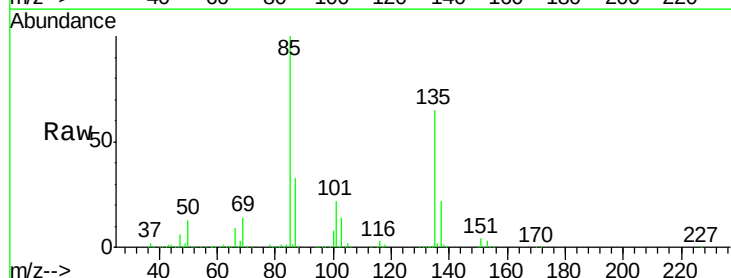
Acq: 16 May 2018 15:00

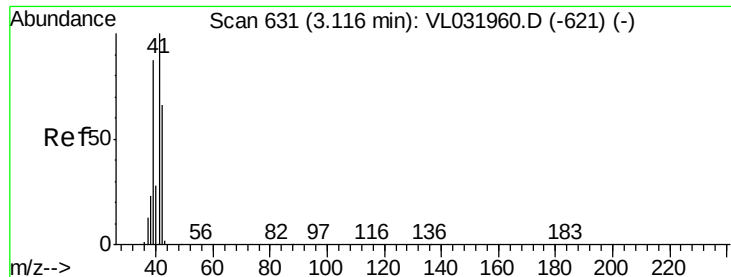
Tgt Ion: 85 Resp: 1581836

Ion Ratio Lower Upper

85 100

135 66.1 54.8 82.2





#9

Propene

Concen: 9.84 ppbv

RT: 3.11 min Scan# 630

Delta R.T. -0.00 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 423389

Ion Ratio Lower Upper

41 100

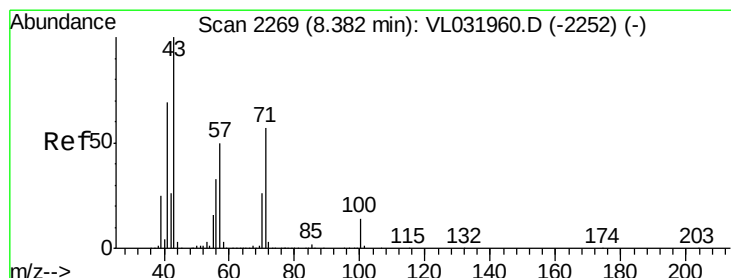
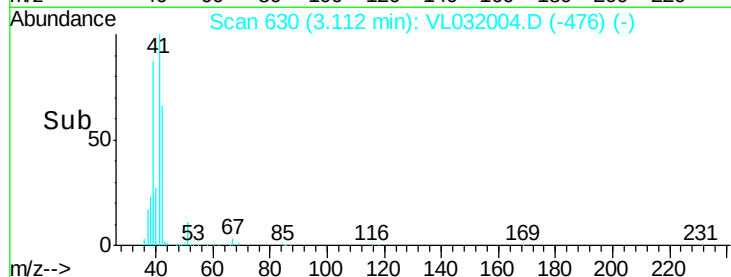
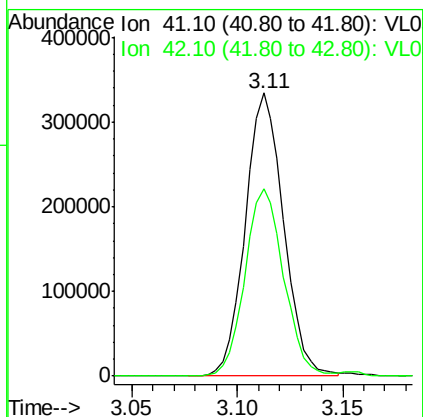
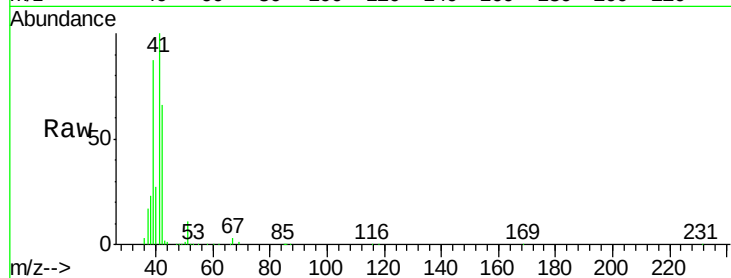
42 68.3 53.9 80.9

Manual Integrations

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#10

Heptane

Concen: 10.09 ppbv

RT: 8.37 min Scan# 2266

Delta R.T. -0.01 min

Lab File: VL032004.D

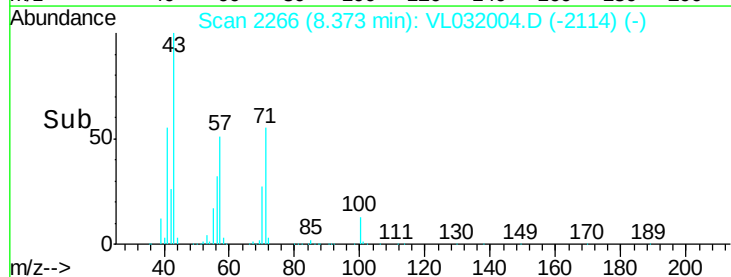
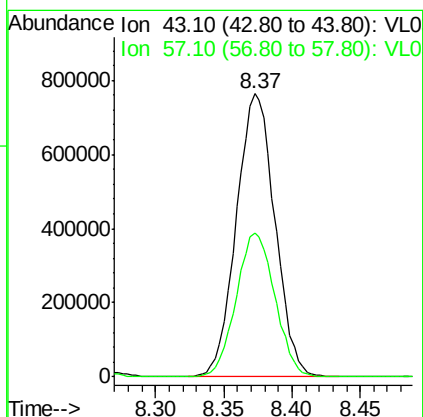
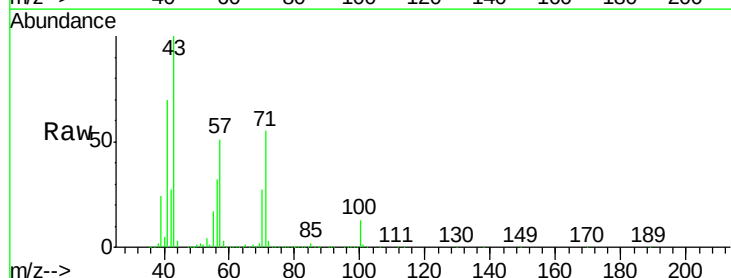
Acq: 16 May 2018 15:00

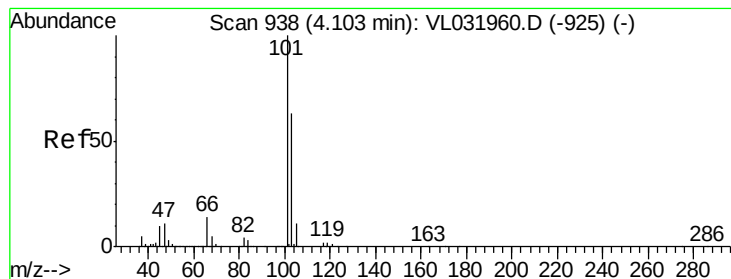
Tgt Ion: 43 Resp: 1492112

Ion Ratio Lower Upper

43 100

57 51.4 40.7 61.1





#11

Trichlorofluoromethane

Concen: 11.04 ppbv

RT: 4.10 min Scan# 937

Delta R.T. -0.00 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

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ClientSampleId :

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Tot Ion:101 Resp: 2196515

Ion Ratio Lower Upper

101 100

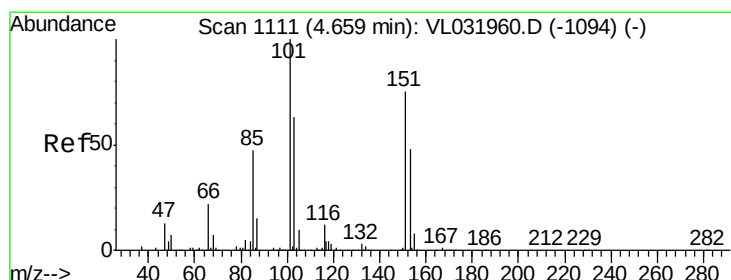
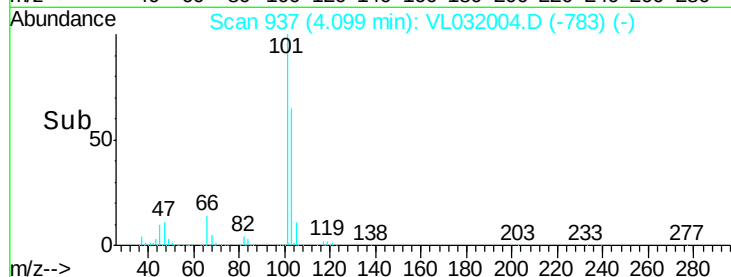
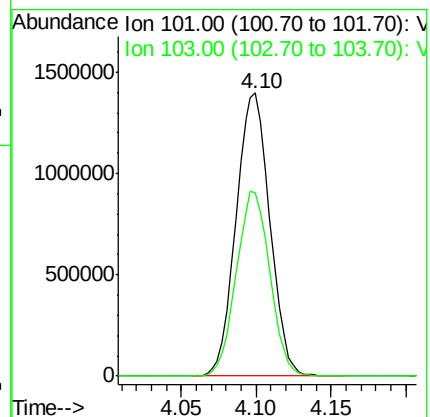
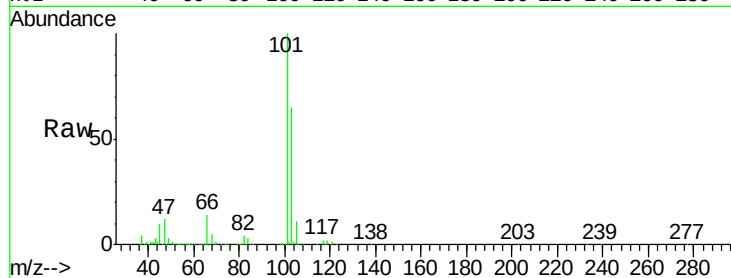
103 65.0 50.7 76.1

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 10.10 ppbv

RT: 4.65 min Scan# 1109

Delta R.T. -0.01 min

Lab File: VL032004.D

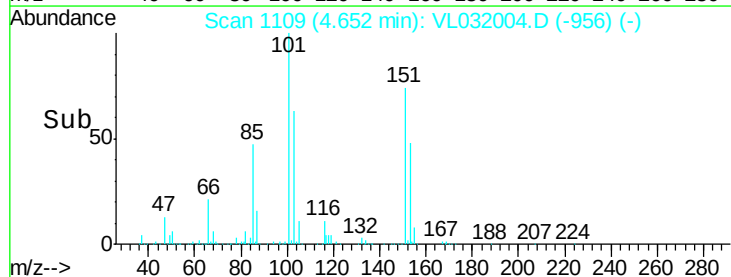
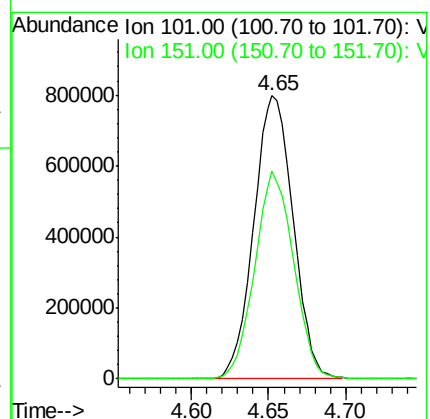
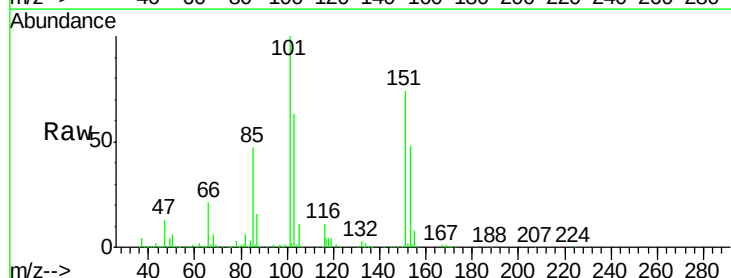
Acq: 16 May 2018 15:00

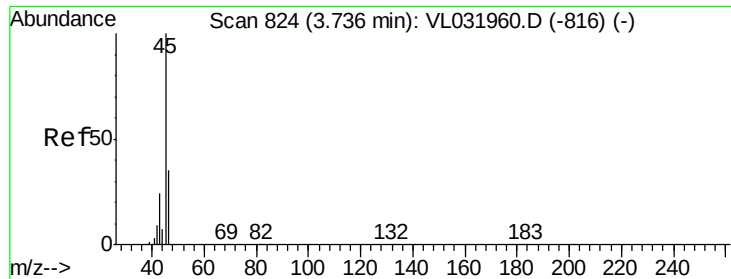
Tgt Ion:101 Resp: 1415310

Ion Ratio Lower Upper

101 100

151 72.7 60.2 90.2





#13

Ethanol

Concen: 8.24 ppbv

RT: 3.73 min Scan# 823

Delta R.T. -0.00 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 132292

Ion Ratio Lower Upper

45 100

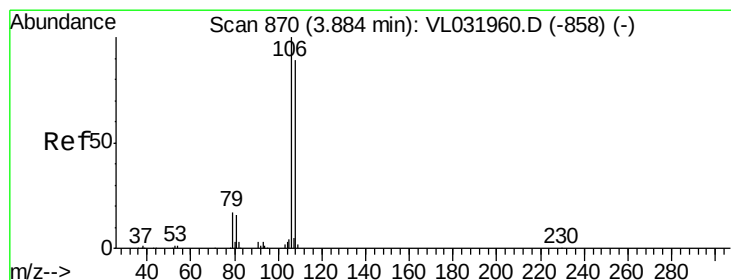
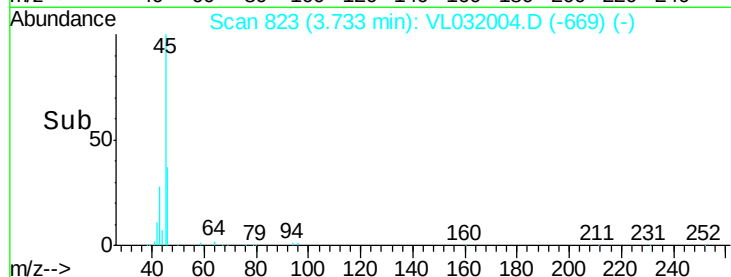
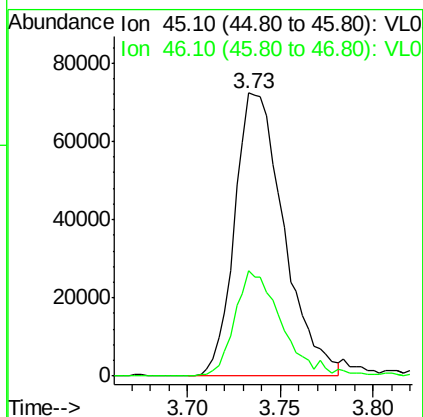
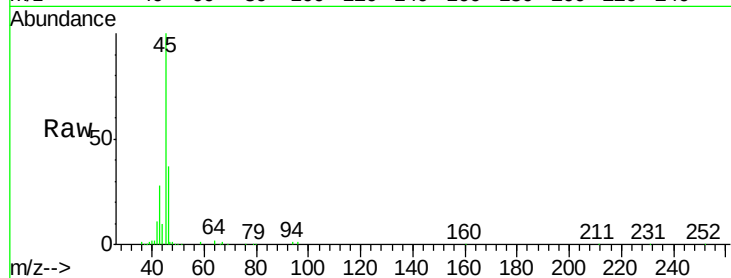
46 37.1 0.0 0.0#

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#14

Bromoethene

Concen: 9.85 ppbv

RT: 3.88 min Scan# 868

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

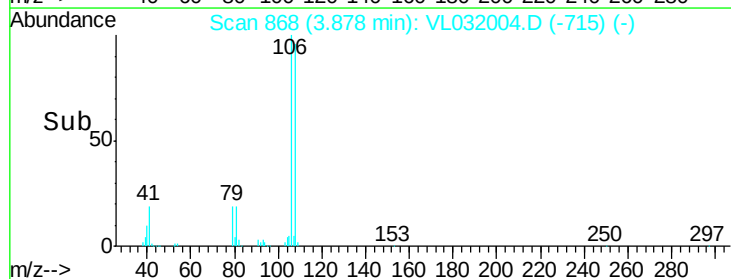
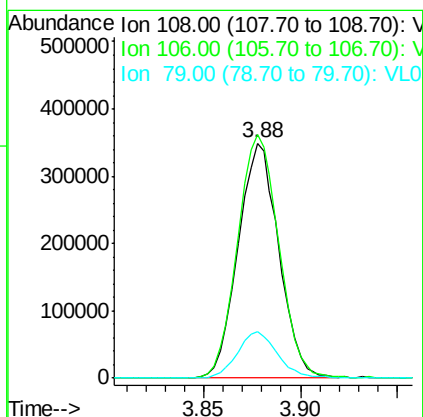
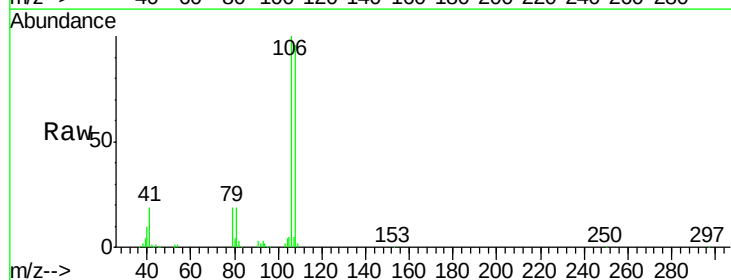
Tgt Ion: 108 Resp: 510171

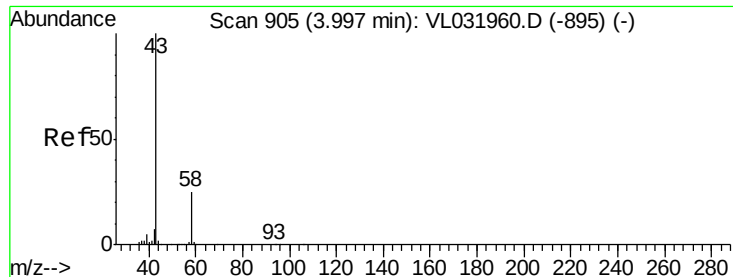
Ion Ratio Lower Upper

108 100

106 106.0 86.8 130.2

79 19.5 14.7 22.1





#15

Acetone

Concen: 7.51 ppbv

RT: 3.99 min Scan# 904

Delta R.T. -0.00 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Tot Ion: 43 Resp: 1323458

Ion Ratio Lower Upper

43 100

58 26.0 21.1 31.7

Instrument :

MSVOA_L

ClientSampleId :

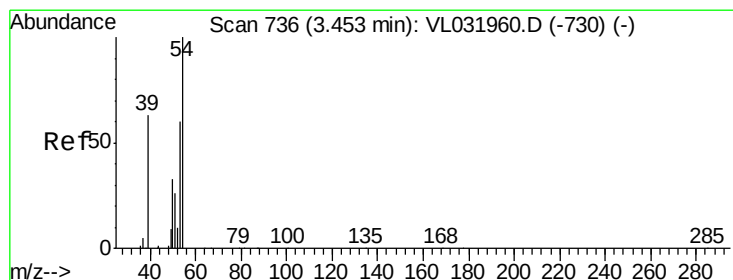
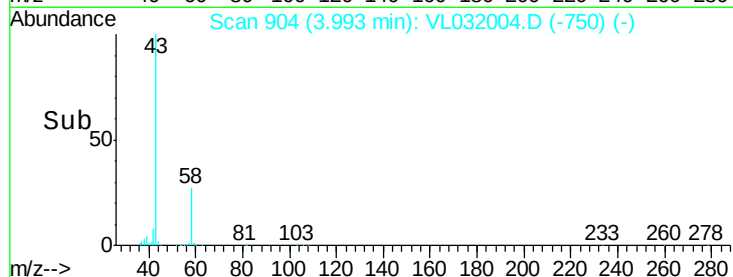
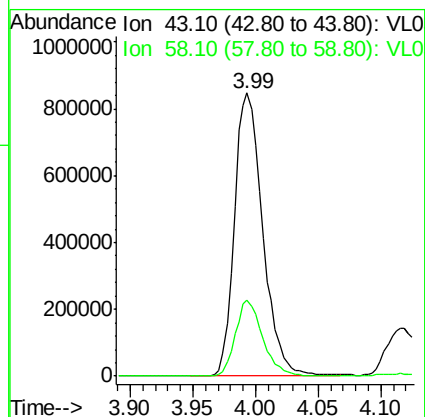
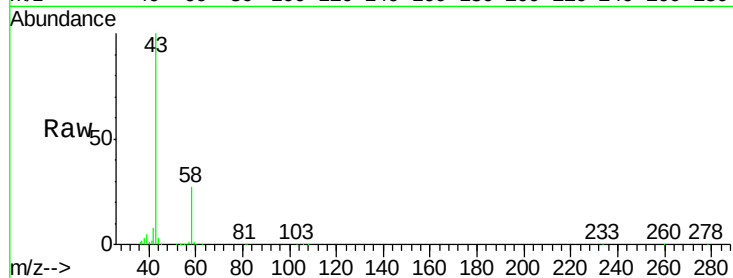
VSTDCCC010

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.09 ppbv

RT: 3.44 min Scan# 733

Delta R.T. -0.01 min

Lab File: VL032004.D

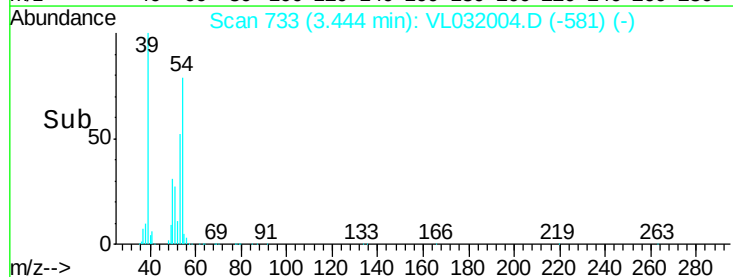
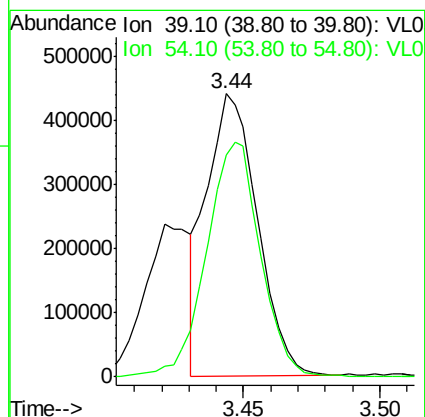
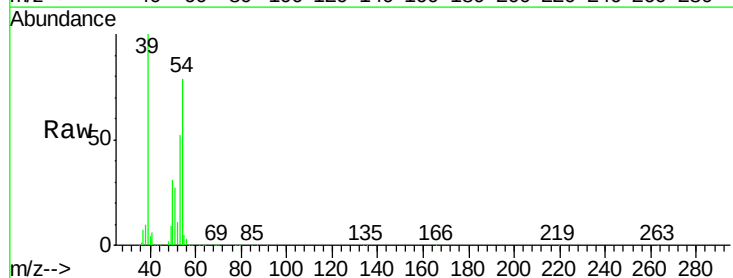
Acq: 16 May 2018 15:00

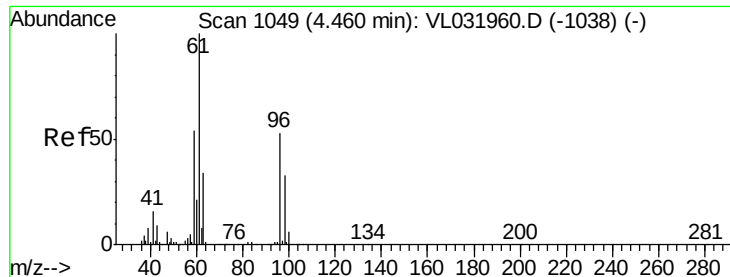
Tgt Ion: 39 Resp: 571639

Ion Ratio Lower Upper

39 100

54 88.3 66.2 99.2





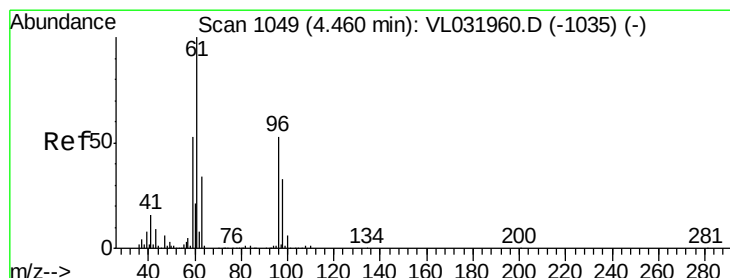
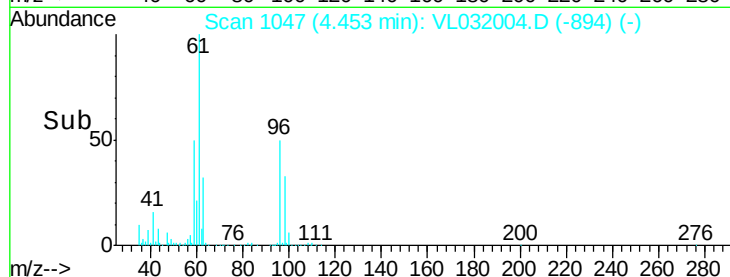
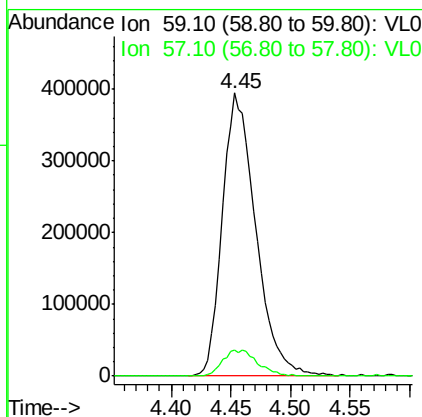
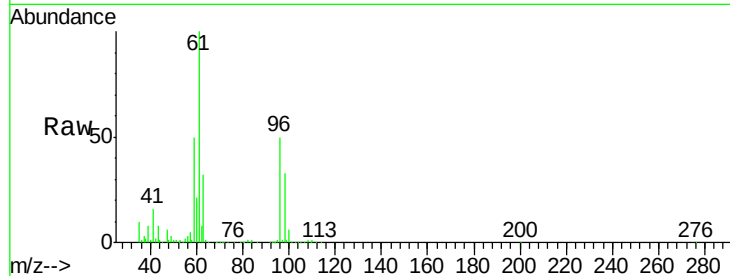
#17
 tert-Butyl alcohol
 Concen: 10.53 ppbv
 RT: 4.45 min Scan# 1047
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
59	100		
57	9.9	8.3	12.5

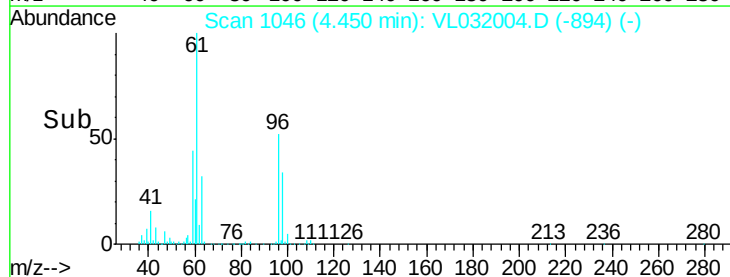
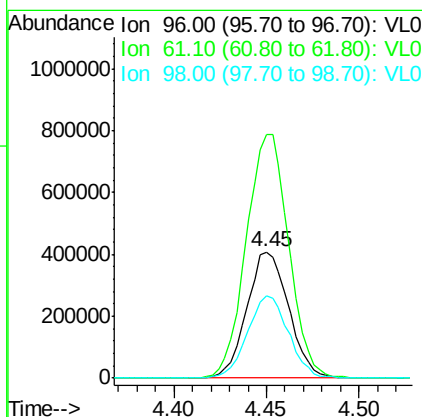
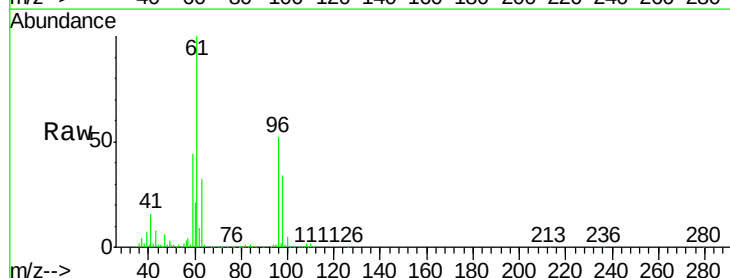
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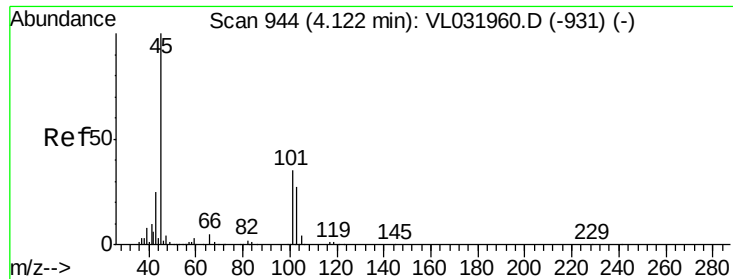
MMDadoda
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#18
 1,1-Dichloroethene
 Concen: 10.36 ppbv
 RT: 4.45 min Scan# 1046
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	192.8	149.9	224.9
98	64.8	49.7	74.5





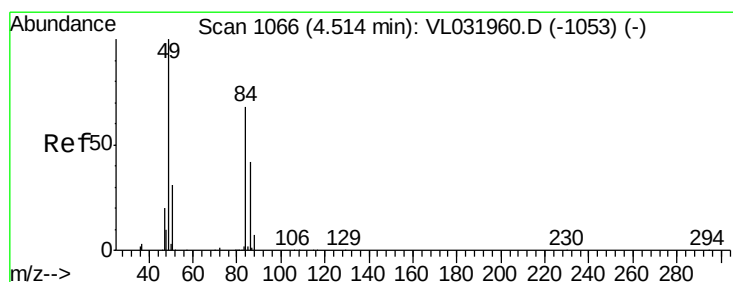
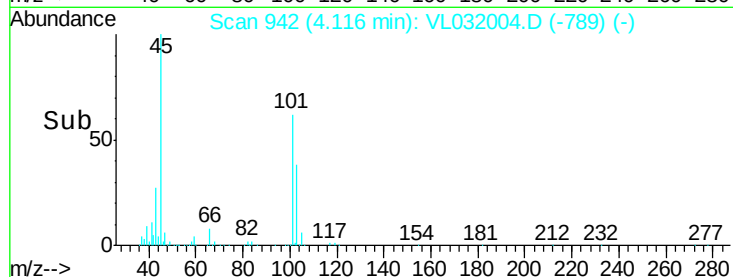
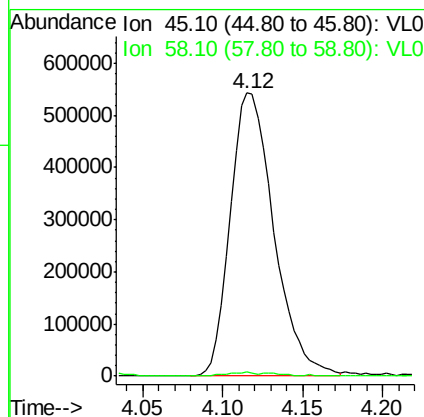
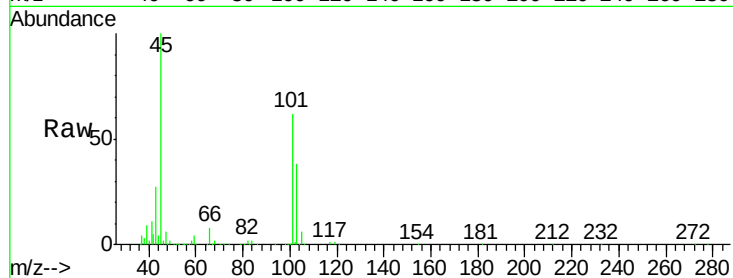
#19
Isopropyl Alcohol
Concen: 10.59 ppbv
RT: 4.12 min Scan# 942
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 1009459
Ion Ratio Lower Upper
45 100
58 2.0 1.4 2.2

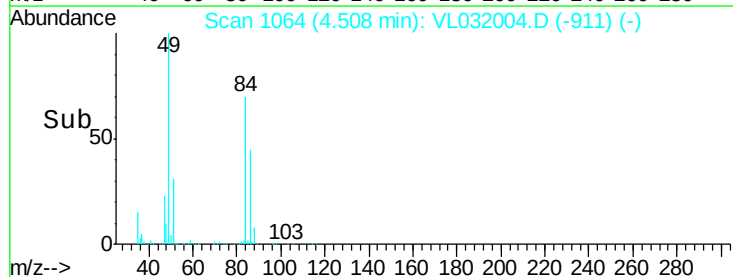
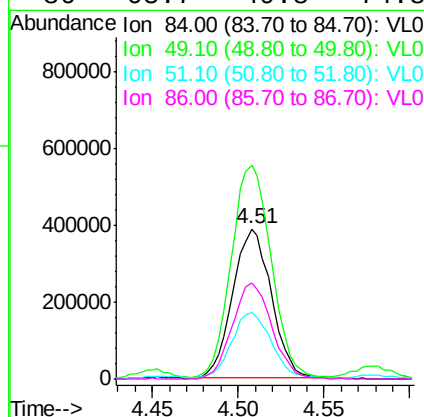
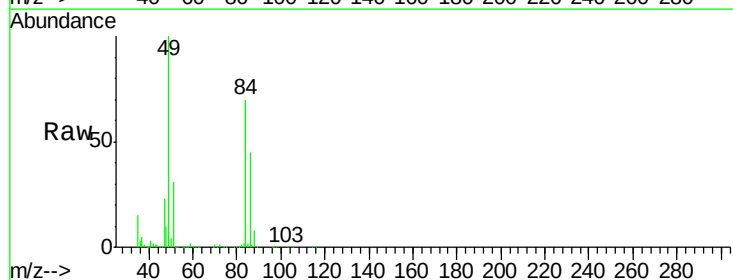
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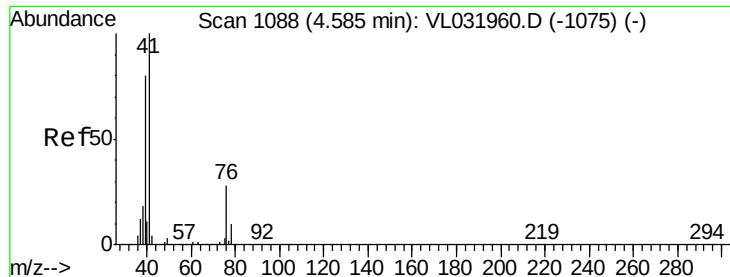
MMDadoda
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#20
Methylene Chloride
Concen: 10.26 ppbv
RT: 4.51 min Scan# 1064
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Tgt Ion: 84 Resp: 610239
Ion Ratio Lower Upper
84 100
49 141.6 118.6 178.0
51 43.9 36.6 54.8
86 63.7 49.8 74.8





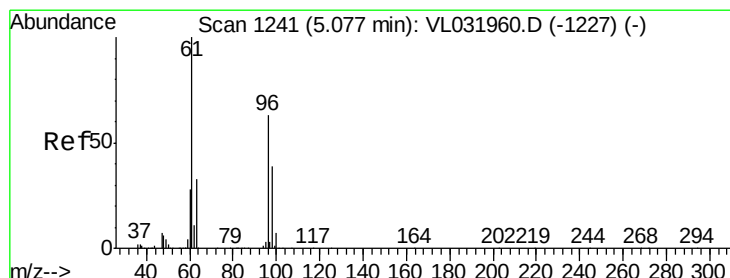
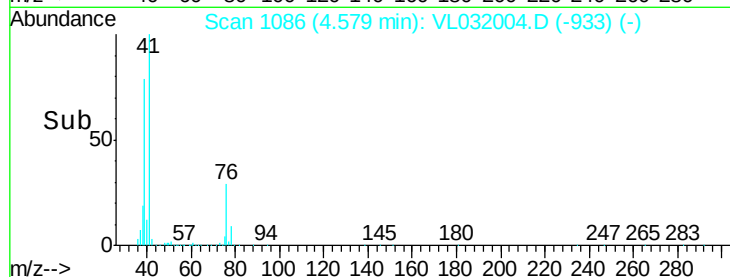
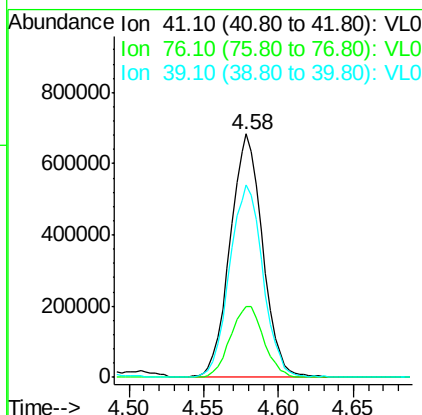
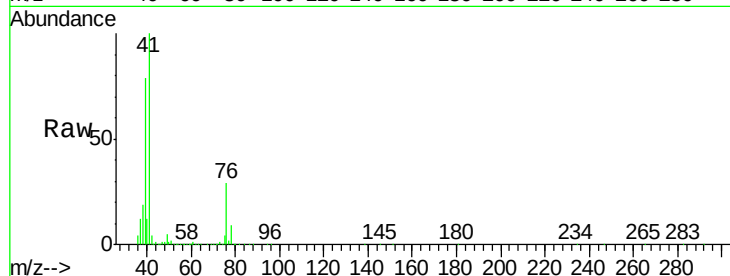
#21
 Allvl Chloride
 Concen: 10.21 ppbv
 RT: 4.58 min Scan# 1086
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	30.2	23.4	35.0
39	81.4	64.5	96.7

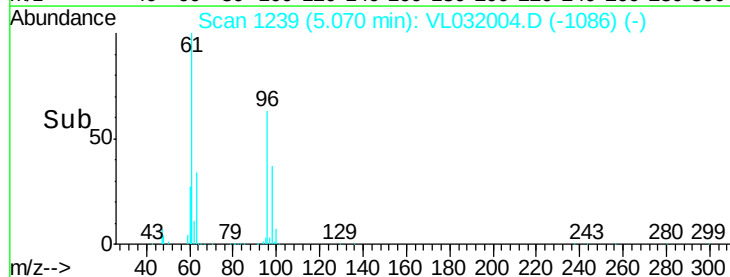
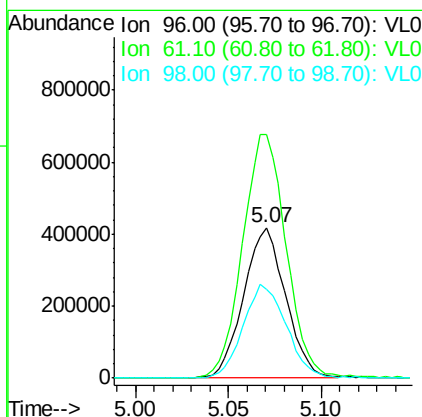
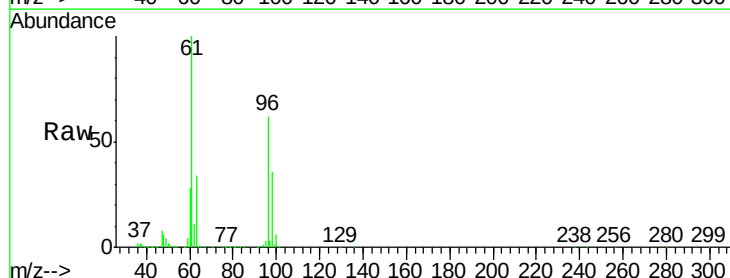
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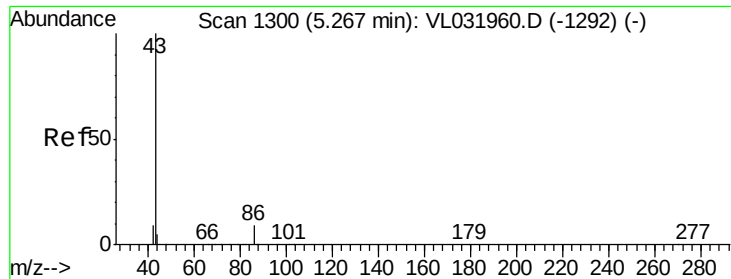
MMDadoda
 5/17/2018 3:34:11 PM



#22
 trans-1,2-Dichloroethene
 Concen: 9.65 ppbv
 RT: 5.07 min Scan# 1239
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	161.2	127.7	191.5
98	58.7	49.3	73.9





#23

Vinyl Acetate

Concen: 9.76 ppbv

RT: 5.26 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1967439

Ion Ratio Lower Upper

43 100

86 8.0 6.1 9.1

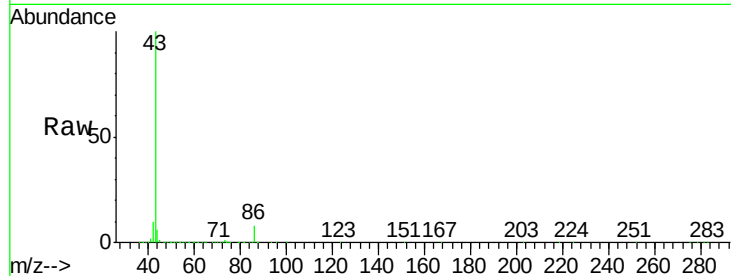
42 10.3 8.0 12.0

44 5.5 3.9 5.9

Manual Integrations
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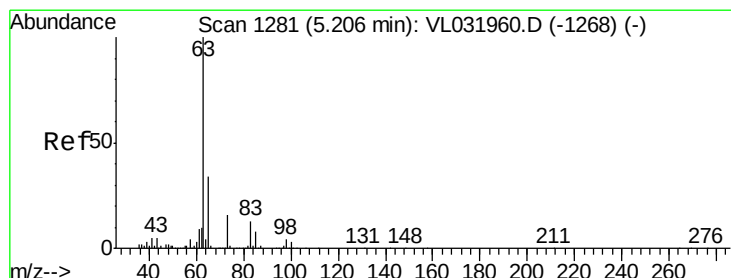
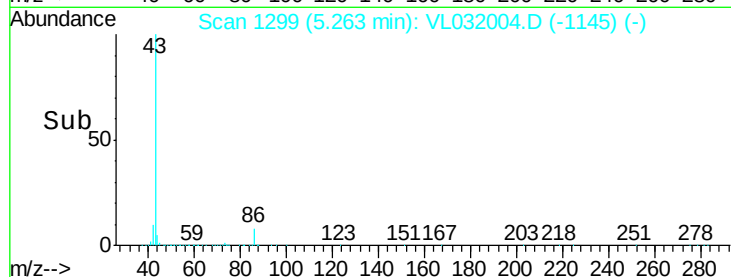
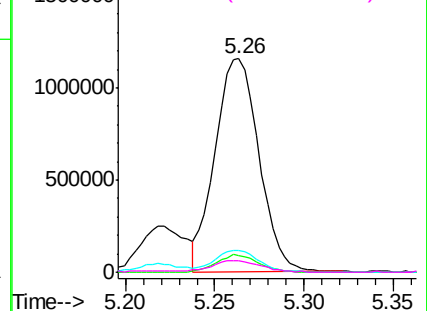


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.42 ppbv

RT: 5.20 min Scan# 1279

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

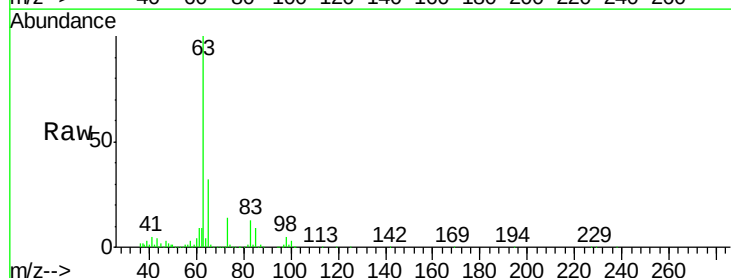
Tgt Ion: 63 Resp: 1771225

Ion Ratio Lower Upper

63 100

98 4.4 2.2 6.6

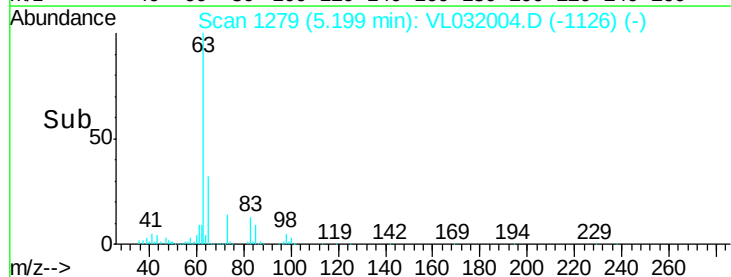
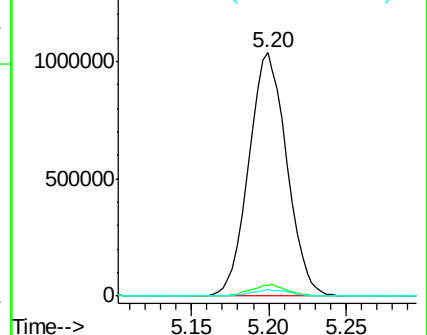
100 2.7 1.5 4.5

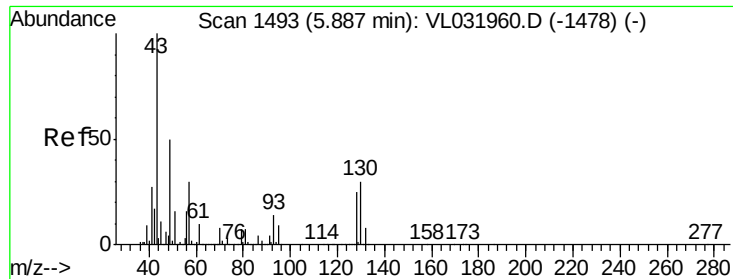


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





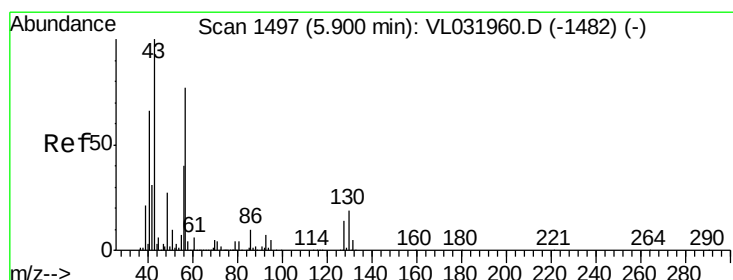
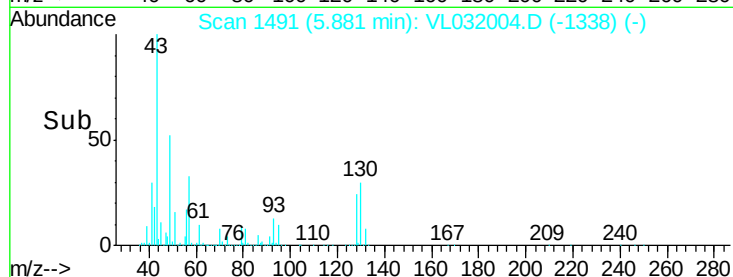
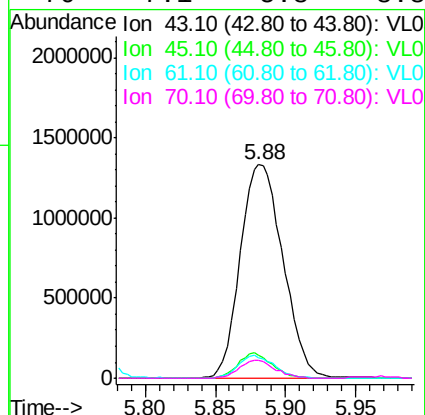
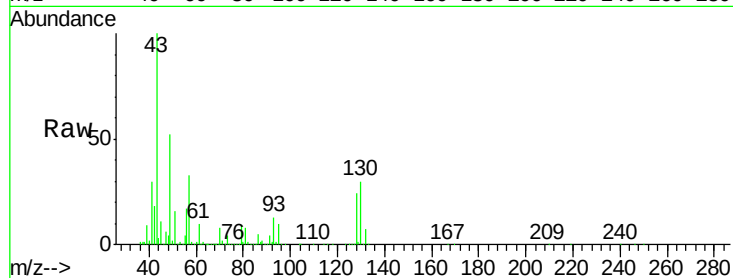
#25
Ethyl Acetate
Concen: 9.31 ppbv
RT: 5.88 min Scan# 1491
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	9.7	7.8	11.6	
61	9.3	7.4	11.2	
70	7.1	5.8	8.8	

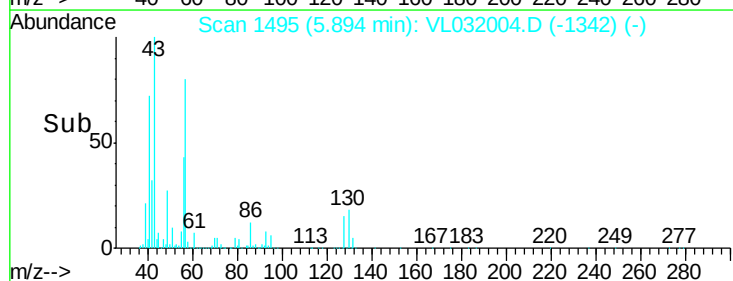
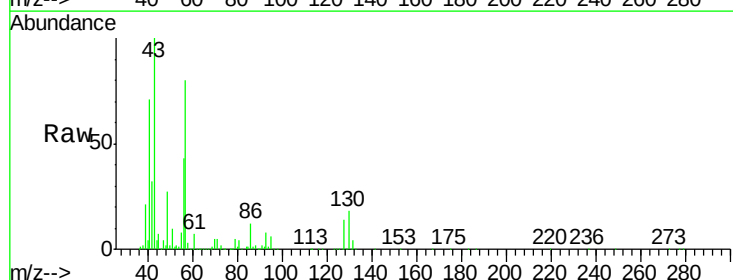
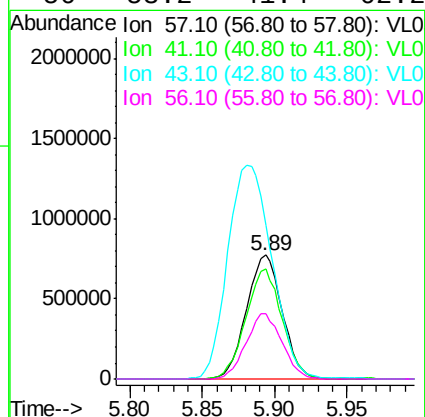
Manual Integrations
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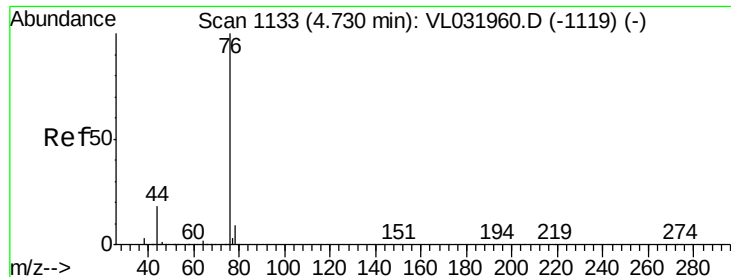
MMDadoda
5/17/2018 3:34:11 PM



#26
Hexane
Concen: 9.36 ppbv
RT: 5.89 min Scan# 1495
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	90.9	71.8	107.6	
43	212.9	171.5	257.3	
56	53.2	41.4	62.2	





#27

Carbon Disulfide

Concen: 11.24 ppbv

RT: 4.72 min Scan# 1131

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1791928

Ion Ratio Lower Upper

76 100

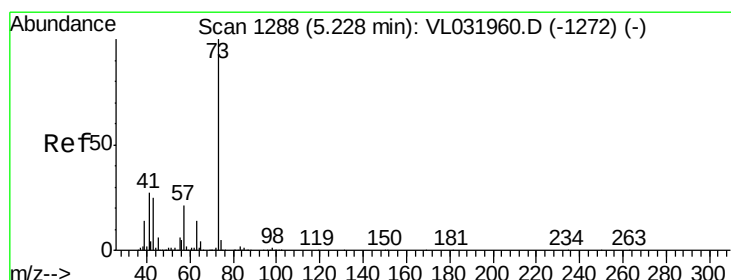
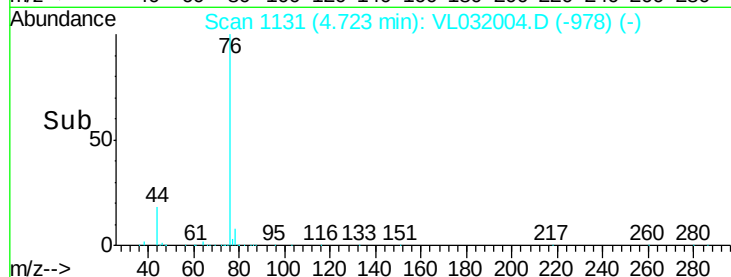
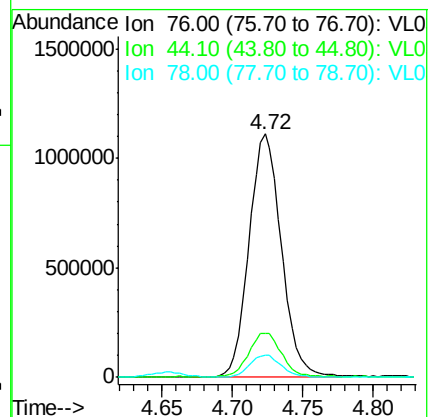
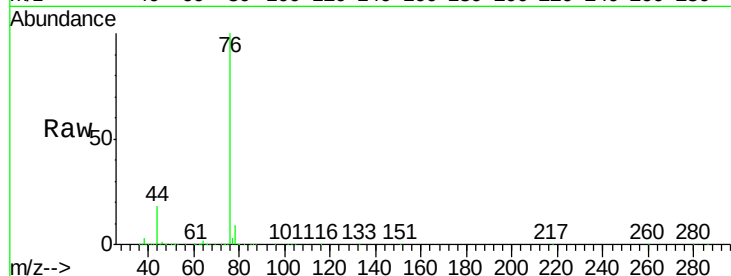
44 18.7 15.4 23.0

78 9.1 7.4 11.0

Manual Integrations
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MMDadoda

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#28

Methyl tert-Butyl Ether

Concen: 9.76 ppbv

RT: 5.22 min Scan# 1286

Delta R.T. -0.01 min

Lab File: VL032004.D

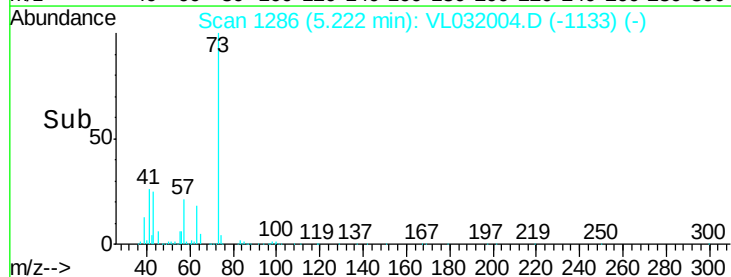
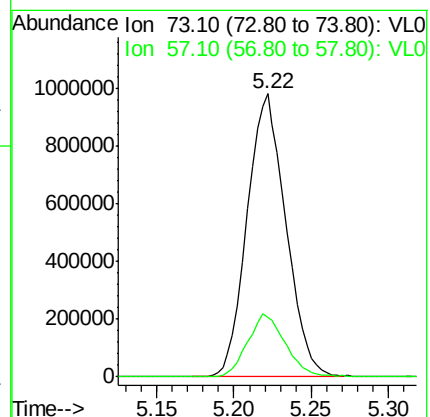
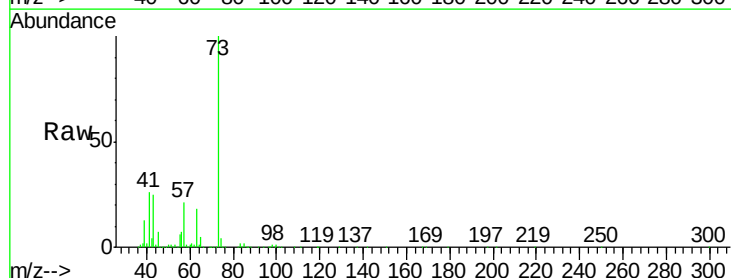
Acq: 16 May 2018 15:00

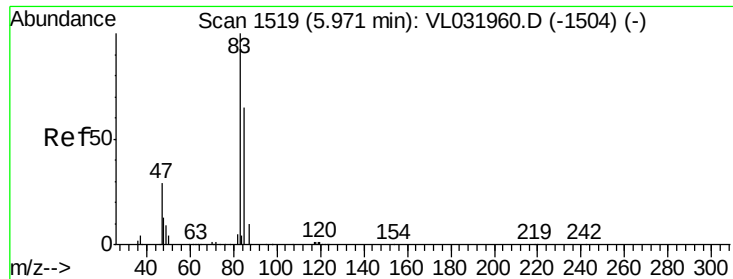
Tgt Ion: 73 Resp: 1708647

Ion Ratio Lower Upper

73 100

57 21.7 17.6 26.4





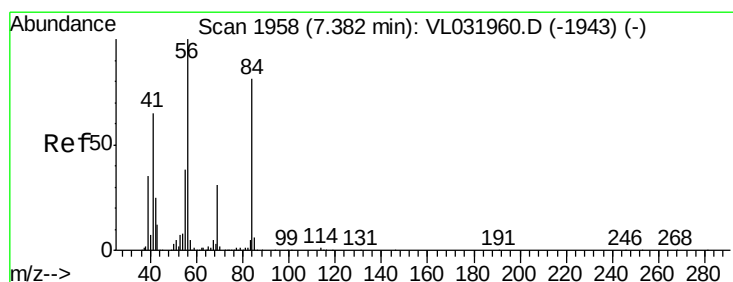
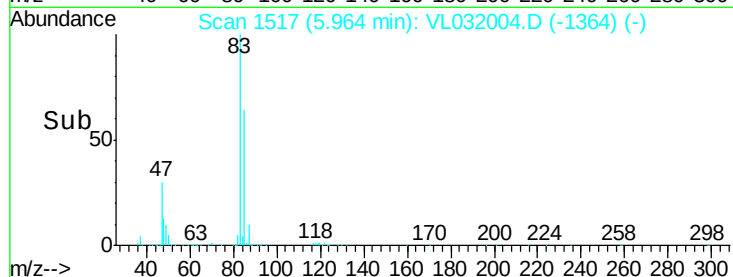
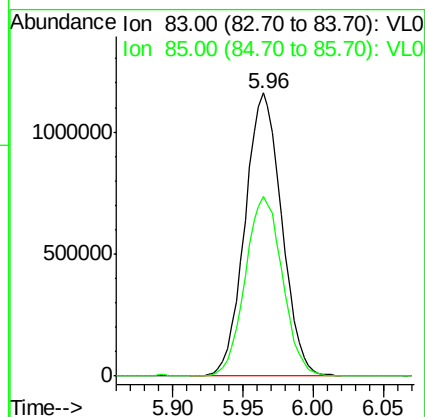
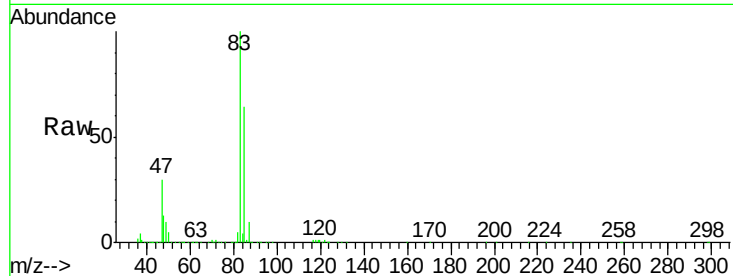
#29
Chloroform
Concen: 9.41 ppbv
RT: 5.96 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2118341
Ion Ratio Lower Upper
83 100
85 63.5 52.2 78.2

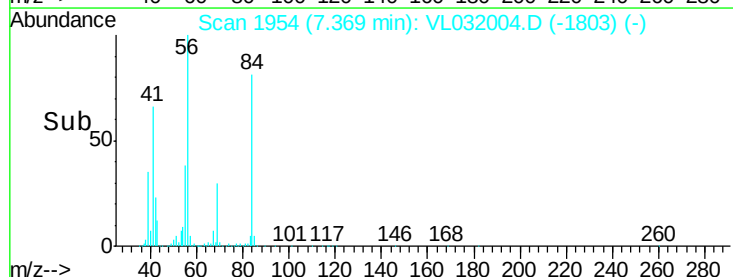
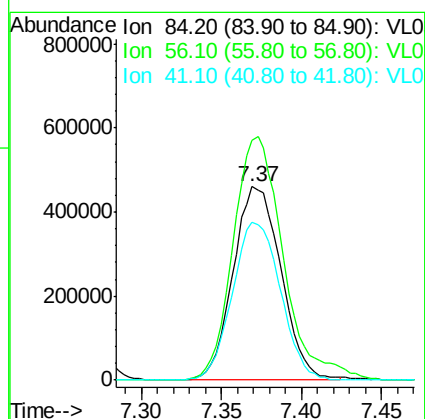
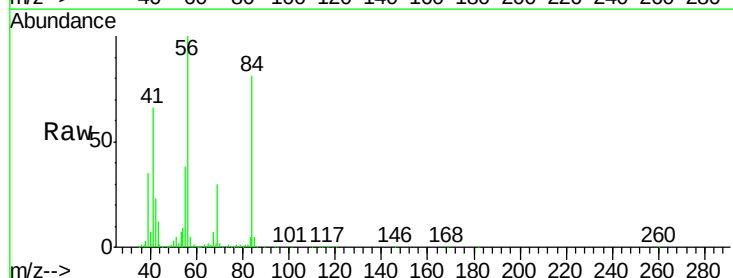
Manual Integrations
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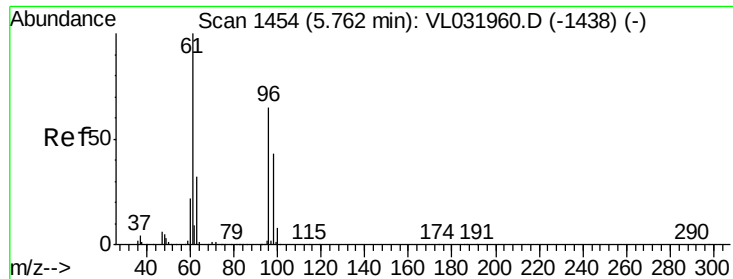
MMDadoda
5/17/2018 3:34:11 PM



#30
Cyclohexane
Concen: 9.91 ppbv
RT: 7.37 min Scan# 1954
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Tgt Ion: 84 Resp: 939816
Ion Ratio Lower Upper
84 100
56 132.3 108.0 162.0
41 82.4 66.8 100.2





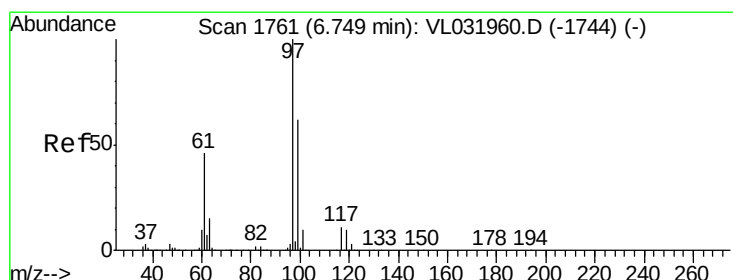
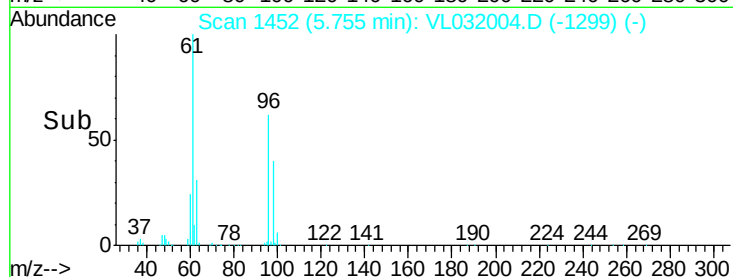
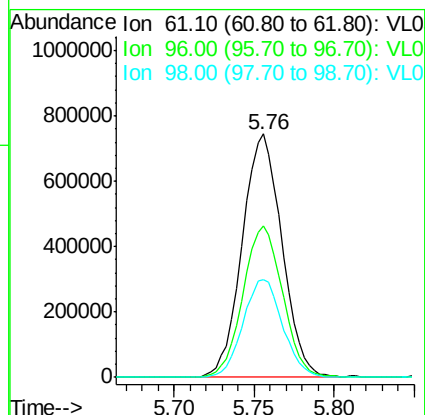
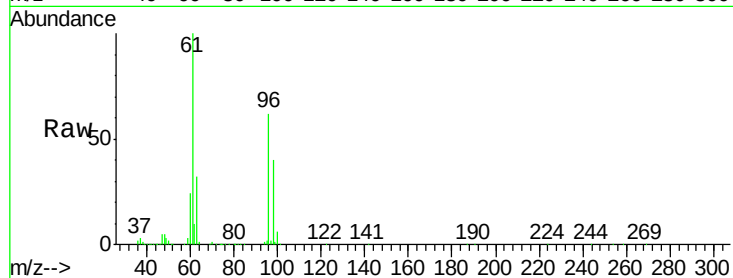
#31
 cis-1,2-Dichloroethene
 Concen: 9.63 ppbv
 RT: 5.76 min Scan# 1452
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.2	51.8	77.6
98	40.3	34.2	51.4

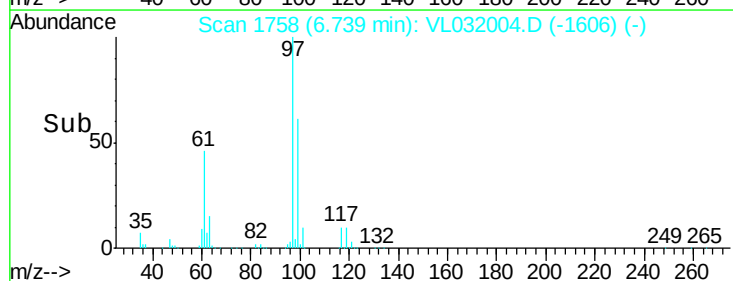
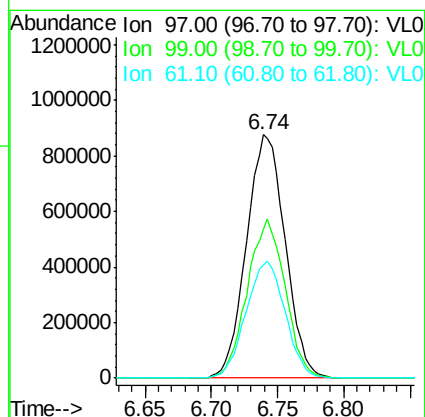
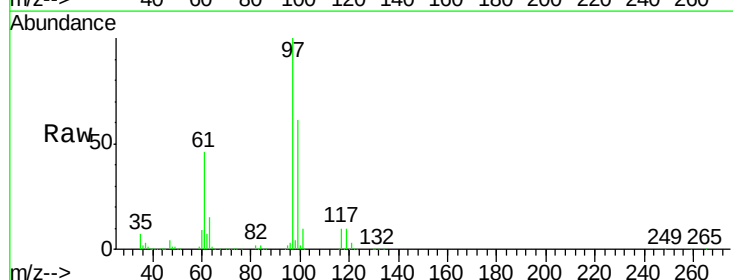
Manual Integrations
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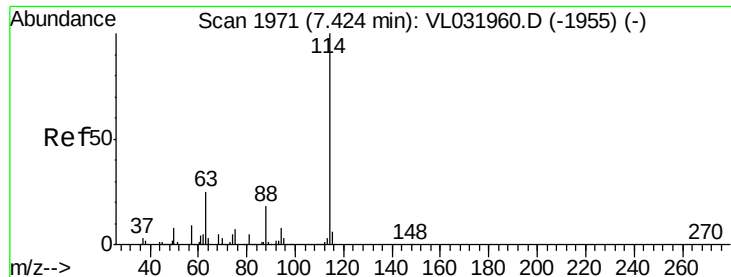
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#32
 1,1,1-Trichloroethane
 Concen: 8.60 ppbv
 RT: 6.74 min Scan# 1758
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.0	51.0	76.6
61	48.6	38.1	57.1





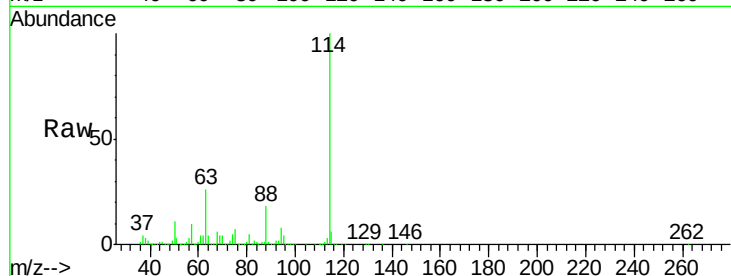
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.42 min Scan# 1969
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.3	20.8	31.2
88	18.3	14.6	21.8

Manual Integrations
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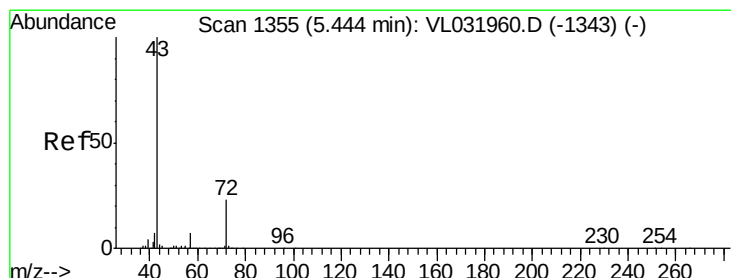
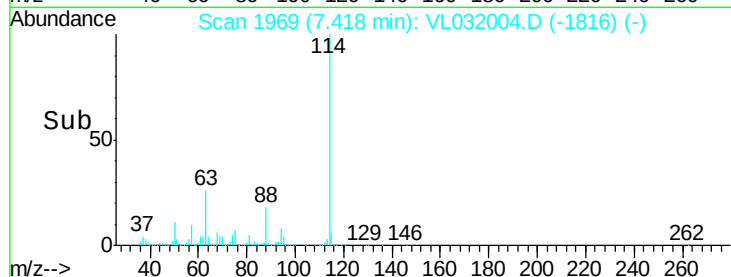
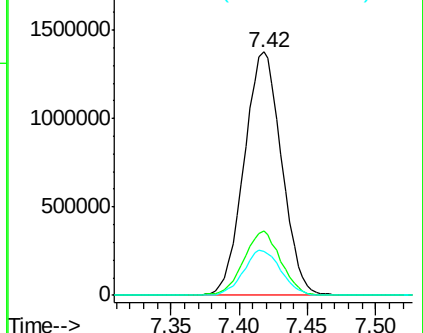
MMDadoda
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Abundance Ion 114.10 (113.80 to 114.80): VL0

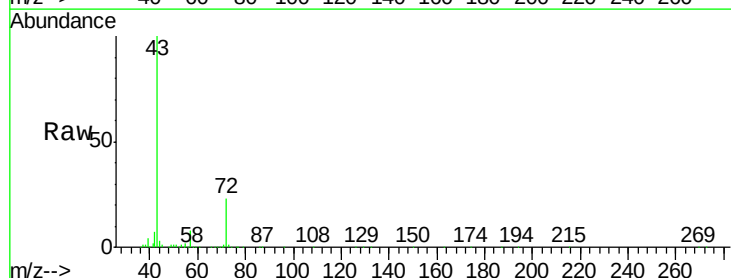
Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



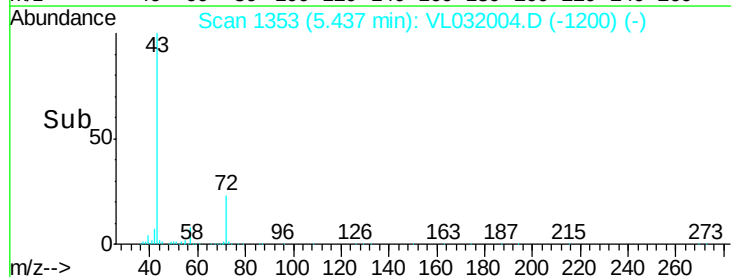
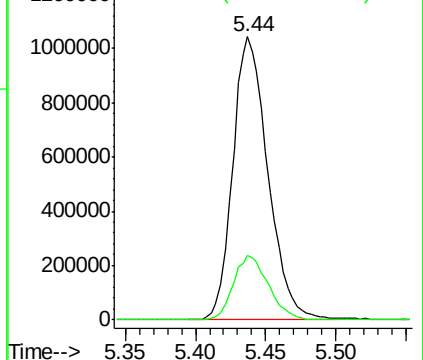
#34
 2-Butanone
 Concen: 8.34 ppbv
 RT: 5.44 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

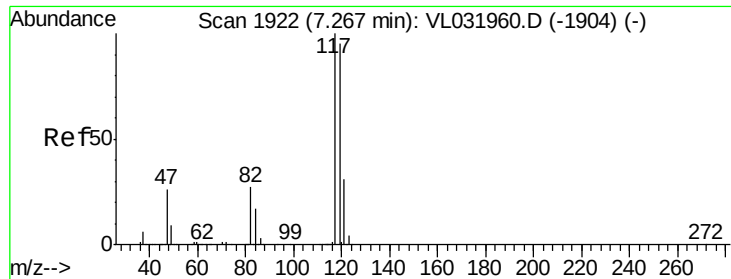
Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.9	18.3	27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.24 ppbv

RT: 7.26 min Scan# 1919

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 1924844

Ion Ratio Lower Upper

117 100

119 91.8 76.4 114.6

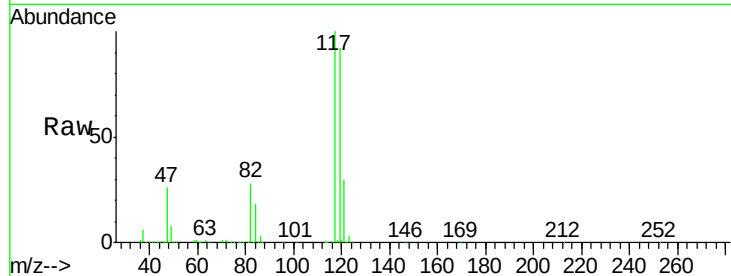
121 29.9 24.4 36.6

Manual Integrations

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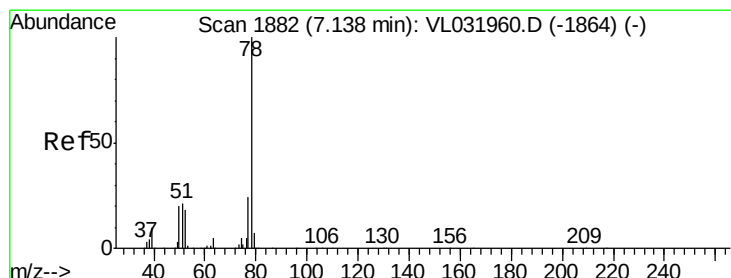
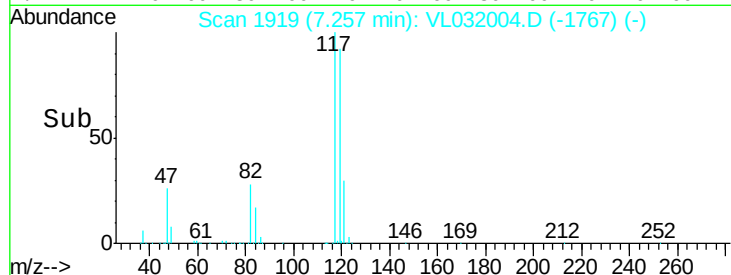
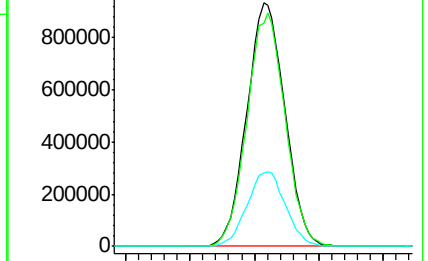
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 8.73 ppbv

RT: 7.13 min Scan# 1879

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

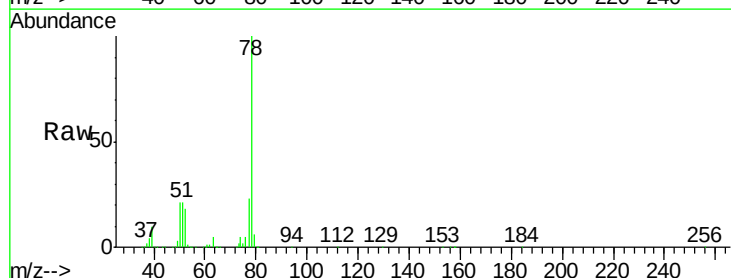
Tgt Ion: 78 Resp: 2160268

Ion Ratio Lower Upper

78 100

77 22.7 19.2 28.8

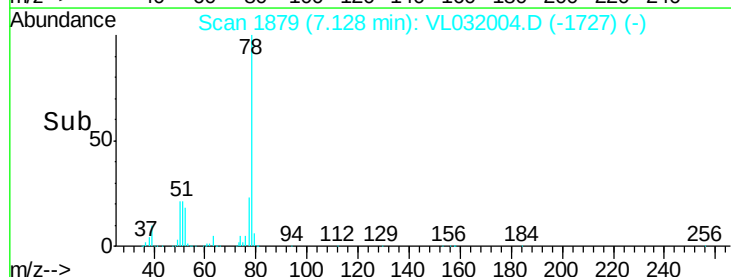
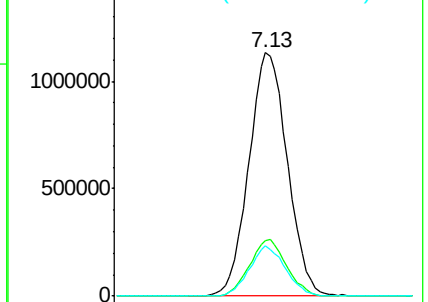
50 20.8 16.2 24.4

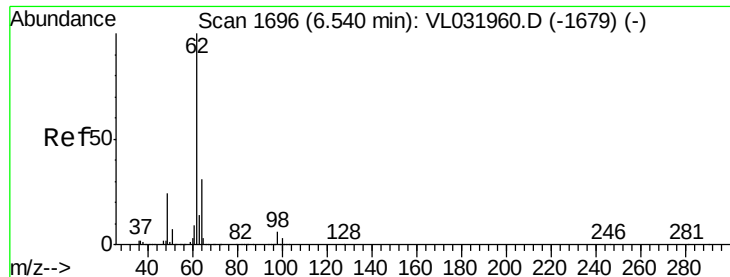


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





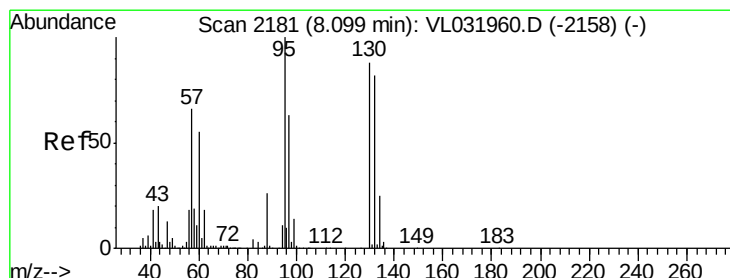
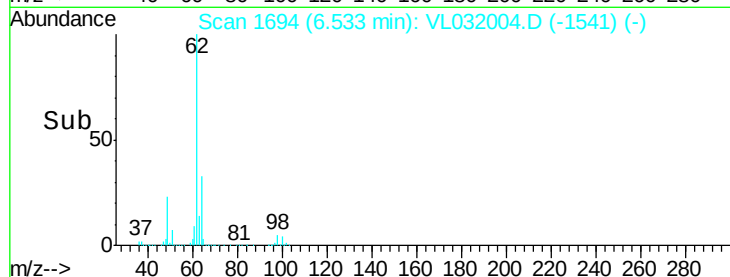
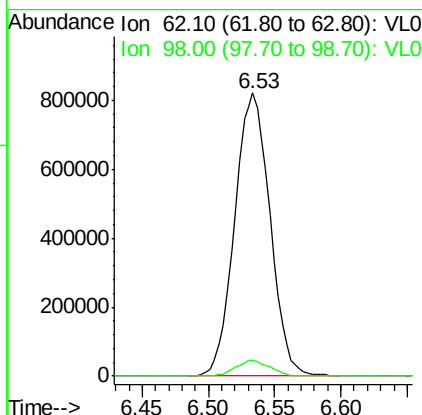
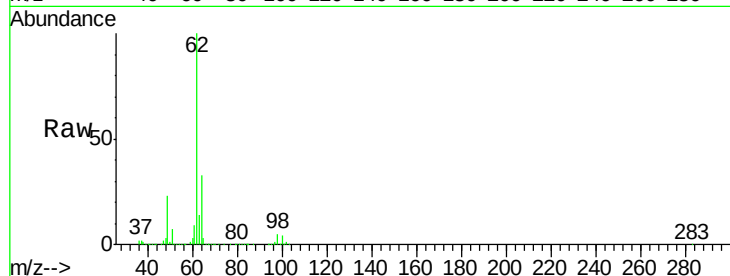
#37
 1,2-Dichloroethane
 Concen: 8.54 ppbv
 RT: 6.53 min Scan# 1694
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1519626
 Ion Ratio Lower Upper
 62 100
 98 5.5 4.6 6.8

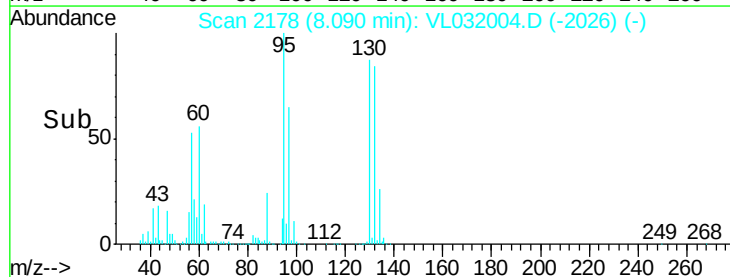
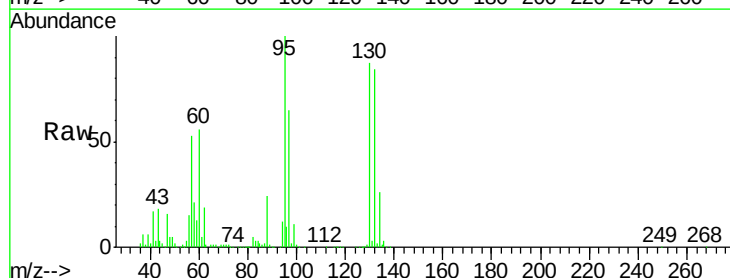
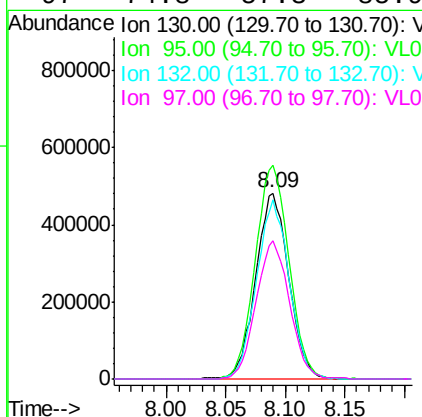
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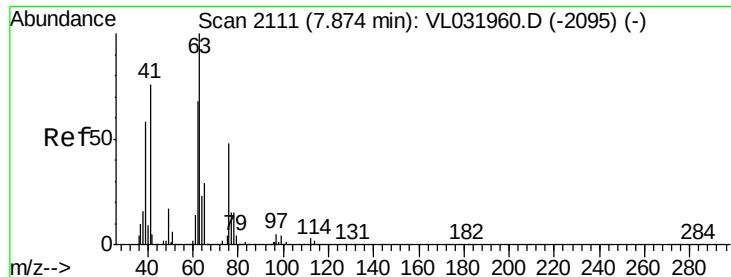
MMDadoda
 5/17/2018 3:34:11 PM



#38
 Trichloroethene
 Concen: 9.85 ppbv
 RT: 8.09 min Scan# 2178
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion: 130 Resp: 925701
 Ion Ratio Lower Upper
 130 100
 95 115.1 90.7 136.1
 132 96.9 74.3 111.5
 97 74.8 57.3 85.9





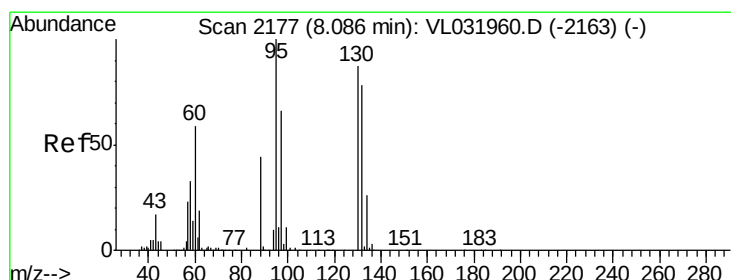
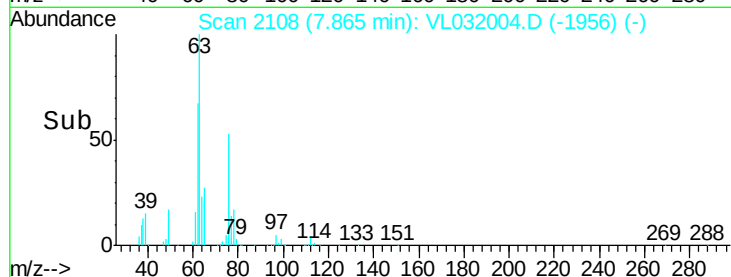
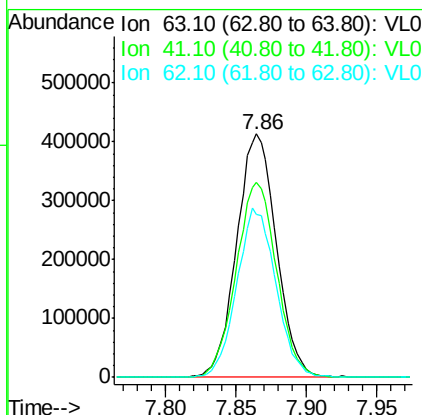
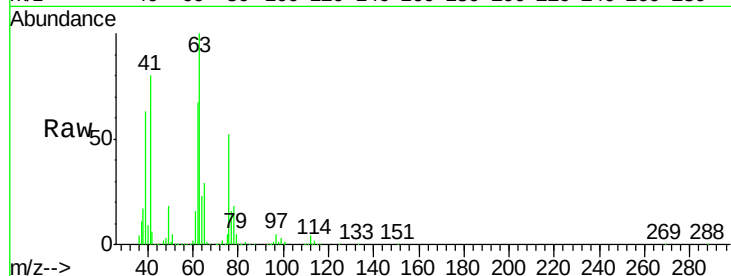
#39
 1,2-Dichloropropane
 Concen: 9.48 ppbv
 RT: 7.86 min Scan# 2108
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	80.1	60.7	91.1
62	66.6	54.7	82.1

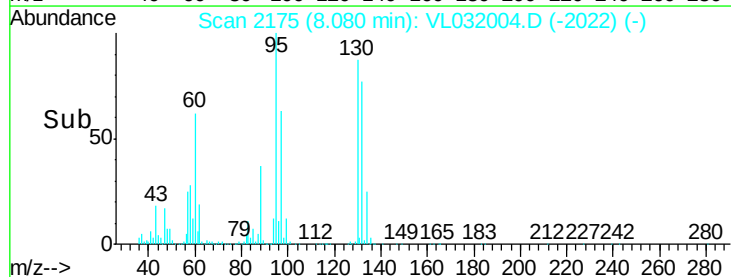
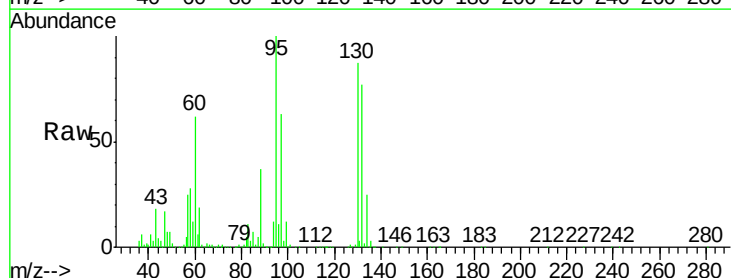
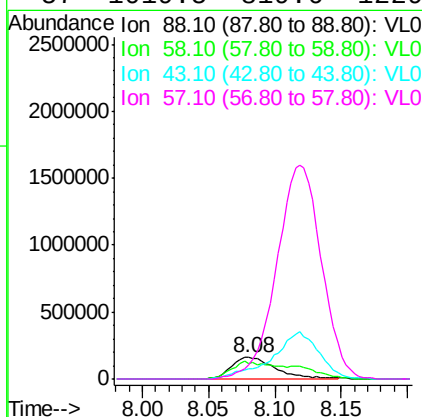
Manual Integrations
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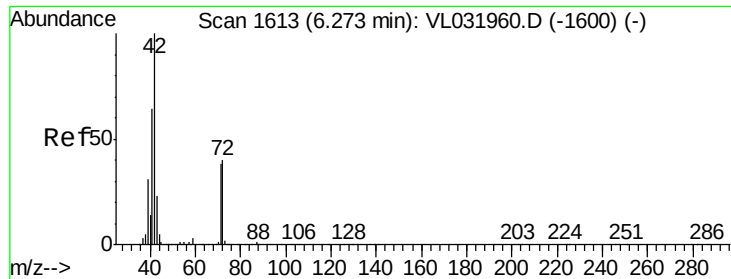
MMDadoda
 5/17/2018 3:34:11 PM



#40
 1,4-Dioxane
 Concen: 9.53 ppbv
 RT: 8.08 min Scan# 2175
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion	Ratio	Lower	Upper
88	100		
58	123.3	94.9	142.3
43	234.5	188.2	282.2
57	1019.5	819.6	1229.4





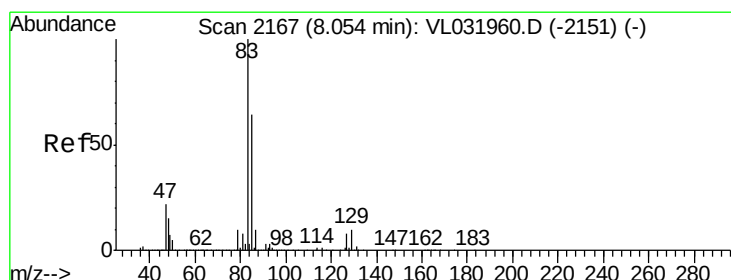
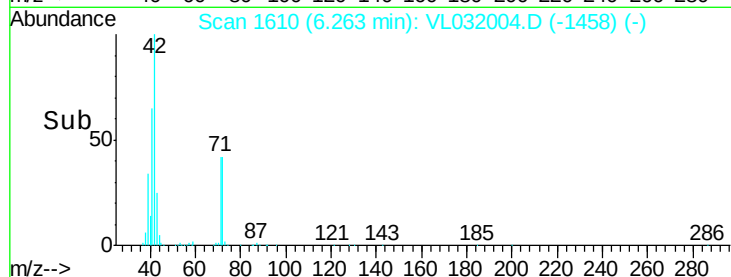
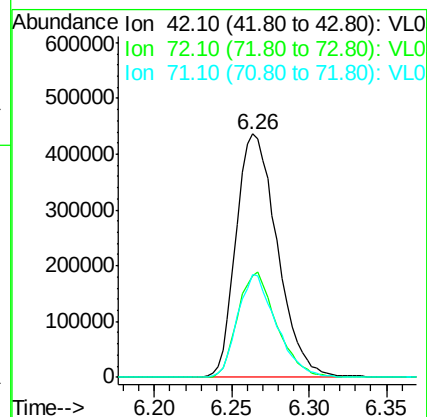
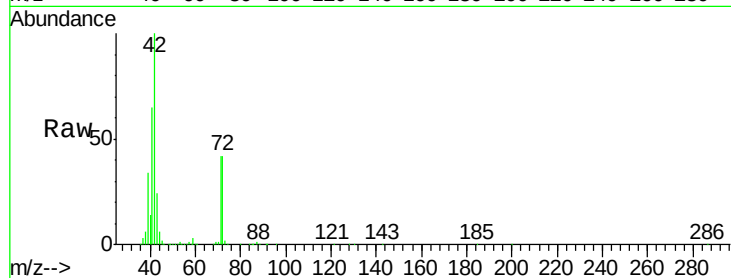
#41
Tetrahydrofuran
Concen: 8.54 ppbv
RT: 6.26 min Scan# 1610
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.9	32.3	48.5
71	39.8	31.4	47.2

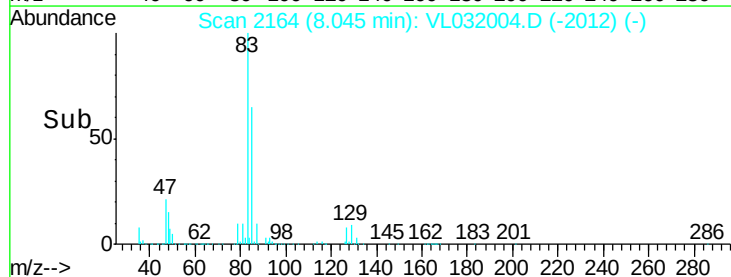
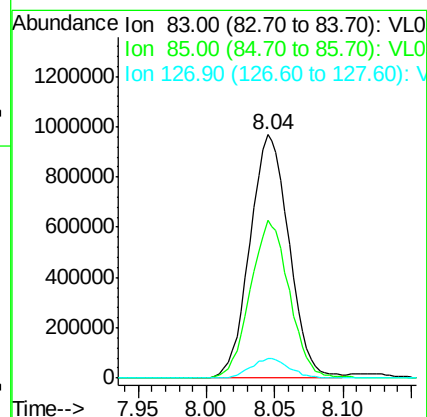
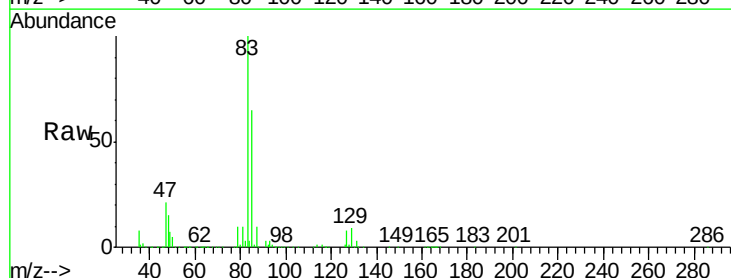
Manual Integrations
APPROVED

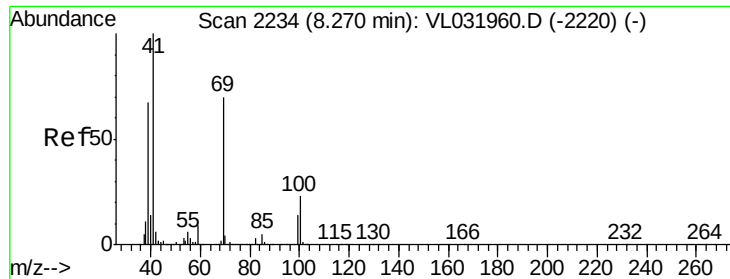
MMDadoda
5/17/2018 3:34:11 PM



#42
Bromodichloromethane
Concen: 9.72 ppbv
RT: 8.04 min Scan# 2164
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.6	51.0	76.6
127	8.0	6.7	10.1





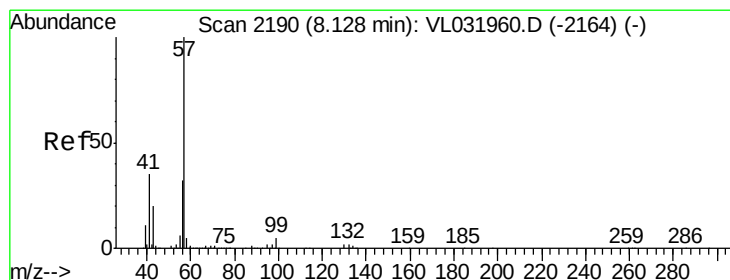
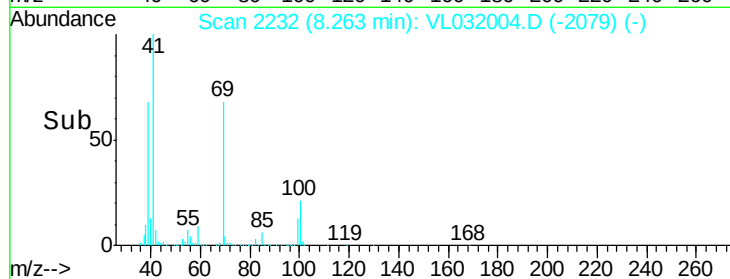
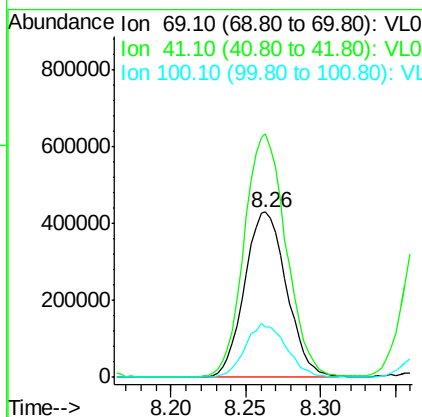
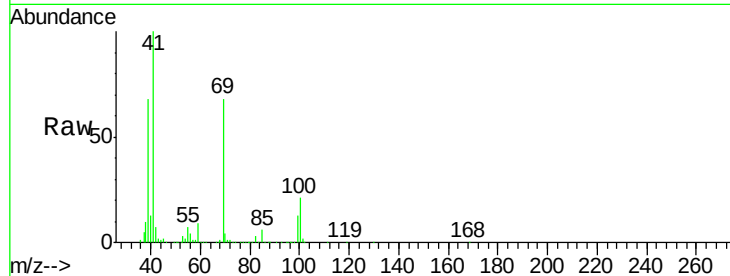
#43
Methyl Methacrylate
Concen: 10.05 ppbv
RT: 8.26 min Scan# 2232
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	147.2	119.4	179.2	
100	31.9	26.0	39.0	

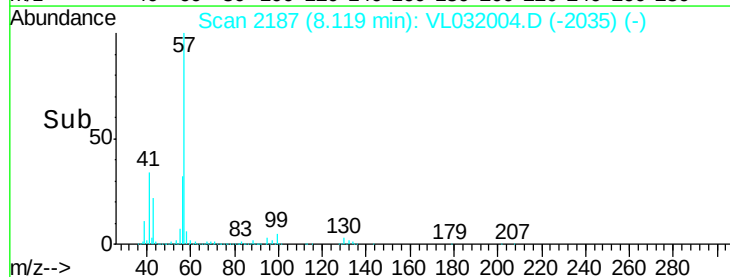
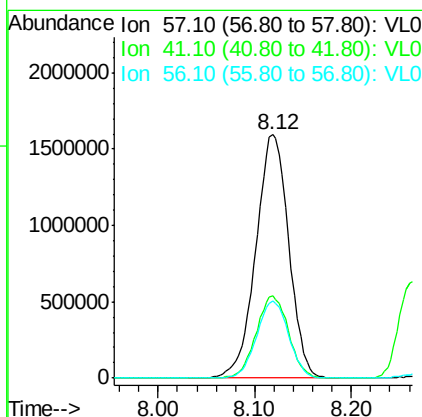
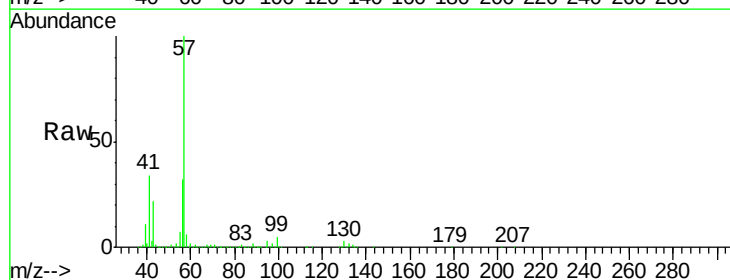
Manual Integrations
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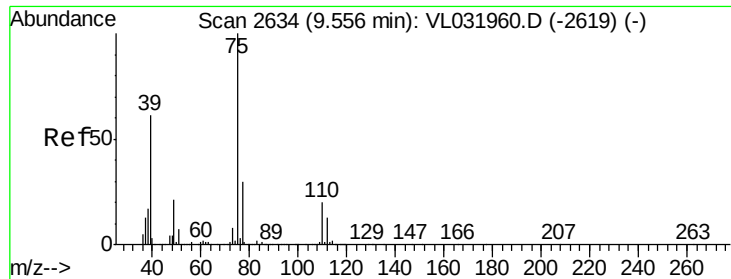
MMDadoda
5/17/2018 3:34:11 PM



#44
2,2,4-Trimethylpentane
Concen: 9.44 ppbv
RT: 8.12 min Scan# 2187
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.2	26.6	39.8	
56	30.9	24.4	36.6	





#45

t-1,3-Dichloropropene

Concen: 11.17 ppbv

RT: 9.55 min Scan# 2631

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Tot Ion: 75 Resp: 1234419

Ion Ratio Lower Upper

75 100

77 31.0 24.4 36.6

Instrument :

MSVOA_L

ClientSampleId :

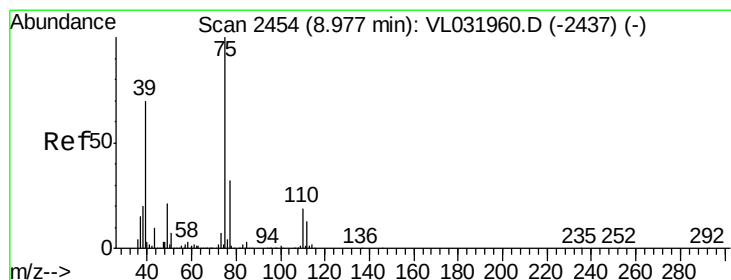
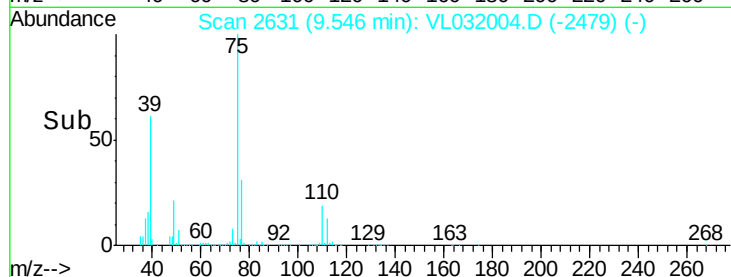
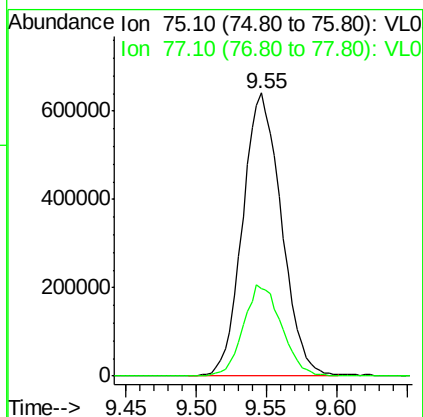
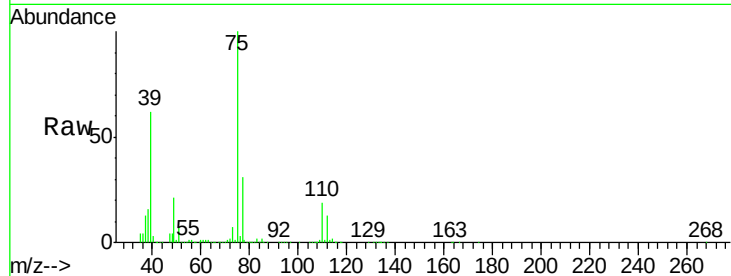
VSTDCCC010

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#46

cis-1,3-Dichloropropene

Concen: 10.97 ppbv

RT: 8.97 min Scan# 2451

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

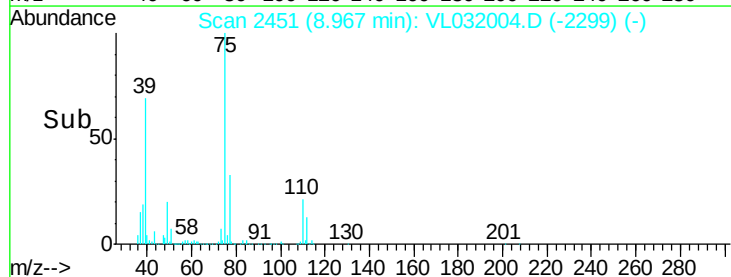
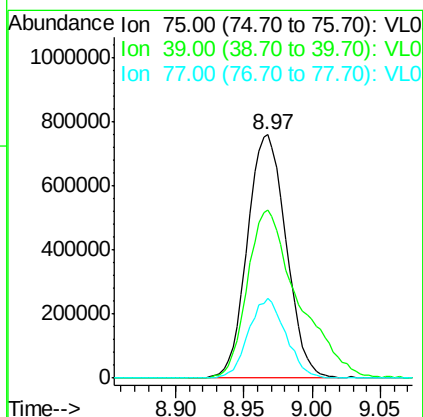
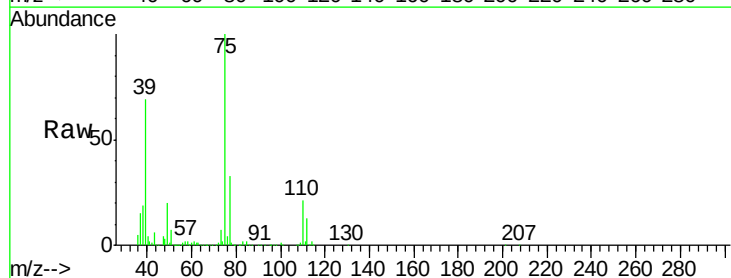
Tgt Ion: 75 Resp: 1497805

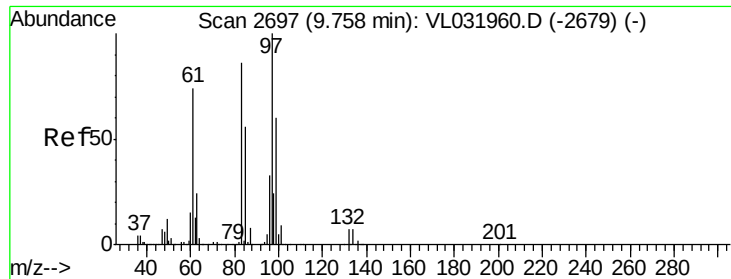
Ion Ratio Lower Upper

75 100

39 69.2 55.7 83.5

77 32.8 25.9 38.9





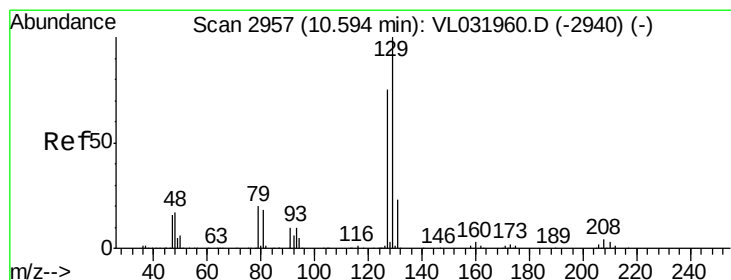
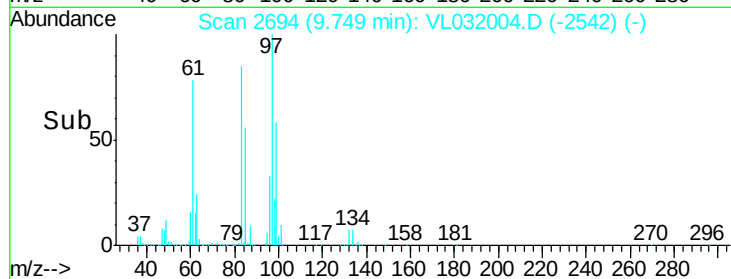
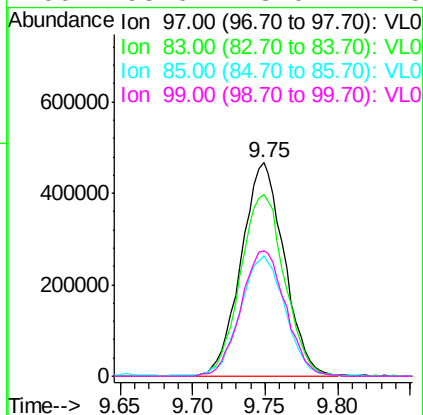
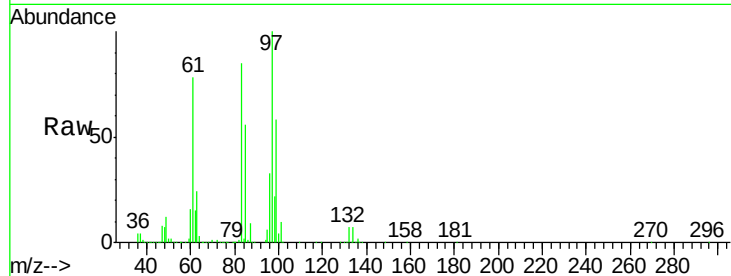
#47
 1,1,2-Trichloroethane
 Concen: 9.40 ppbv
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	97	Resp	958263
Ion	Ratio	Lower	Upper
97	100		
83	85.2	69.0	103.4
85	55.8	45.0	67.6
99	58.6	48.0	72.0

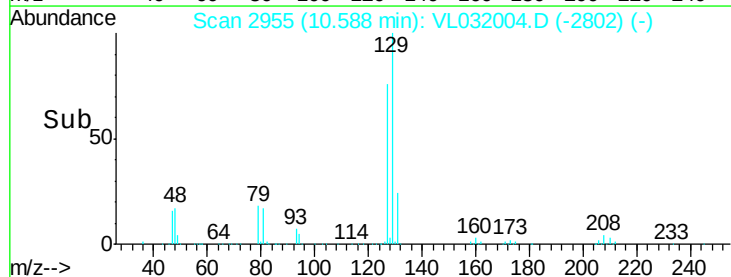
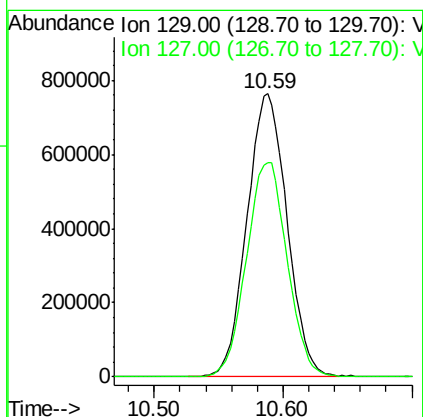
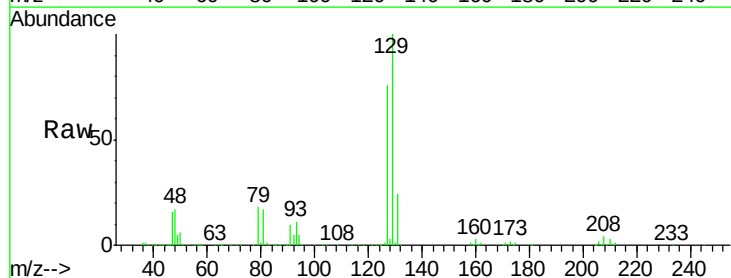
Manual Integrations
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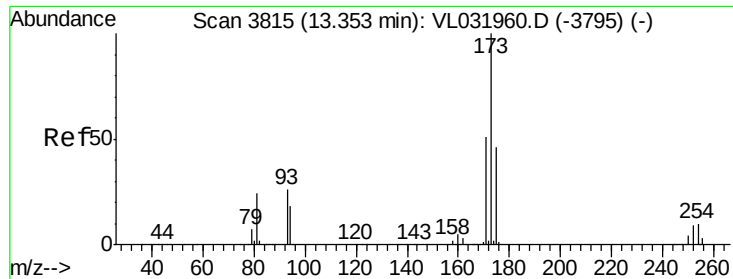
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.10 ppbv
 RT: 10.59 min Scan# 2955
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion	129	Resp	1651696
Ion	Ratio	Lower	Upper
129	100		
127	77.4	39.1	117.2





#49

Bromoform

Concen: 9.96 ppbv

RT: 13.34 min Scan# 3811

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 1263026

Ion Ratio Lower Upper

173 100

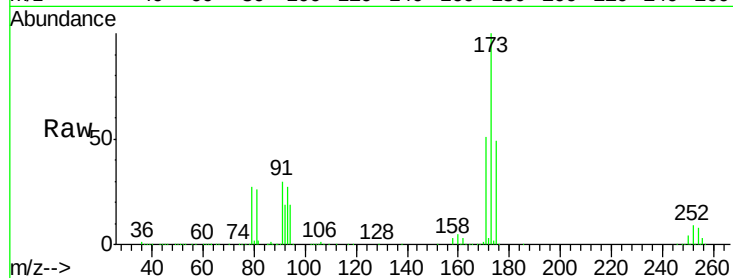
175 48.9 39.2 58.8

171 52.0 41.5 62.3

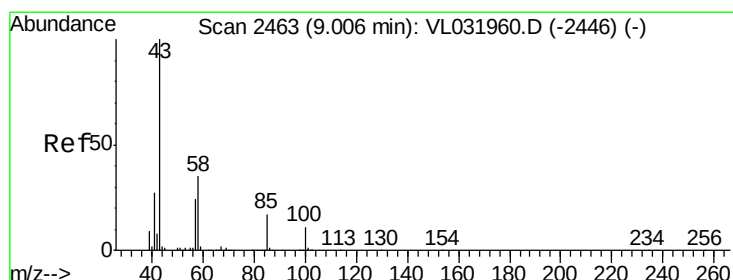
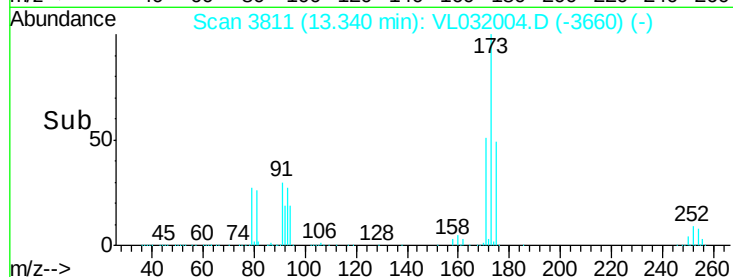
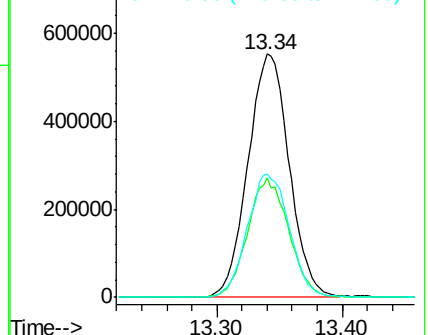
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Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.86 ppbv

RT: 9.00 min Scan# 2461

Delta R.T. -0.01 min

Lab File: VL032004.D

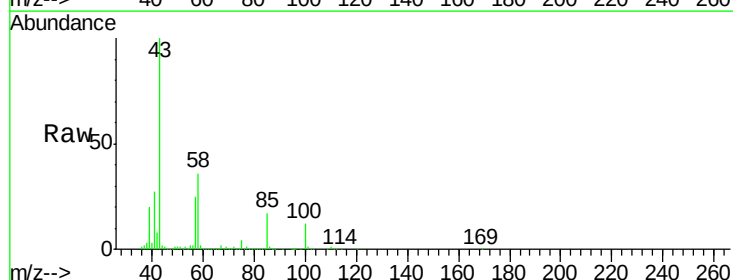
Acq: 16 May 2018 15:00

Tgt Ion: 43 Resp: 2018465

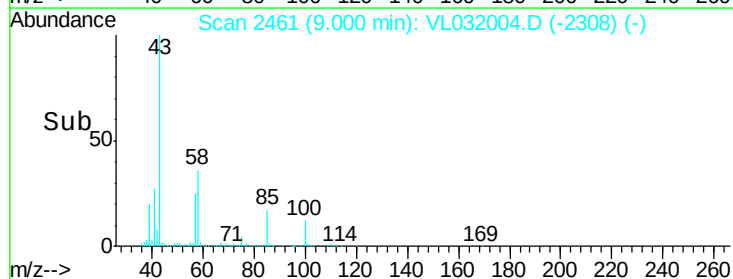
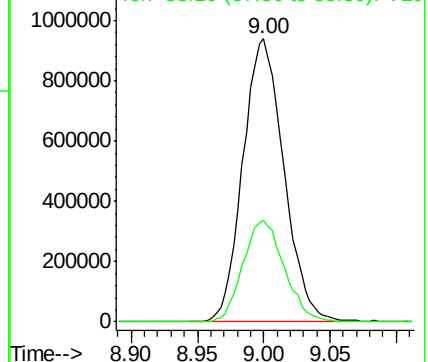
Ion Ratio Lower Upper

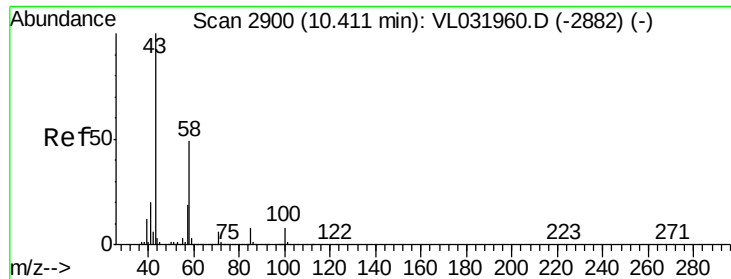
43 100

58 36.2 28.6 42.8



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





#51

2-Hexanone

Concen: 10.40 ppbv

RT: 10.40 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

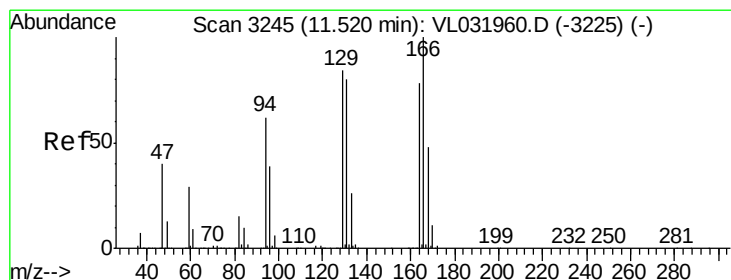
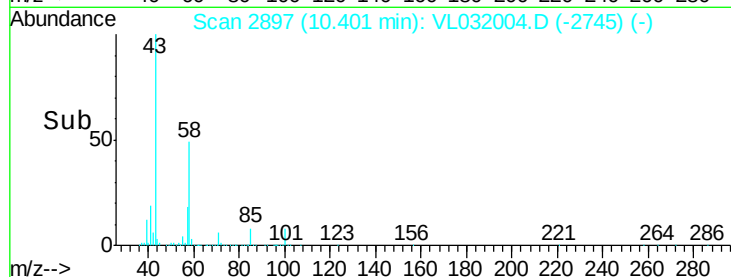
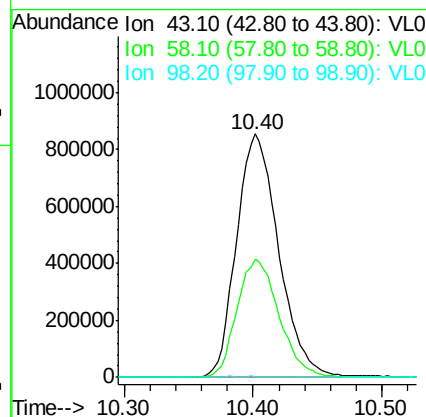
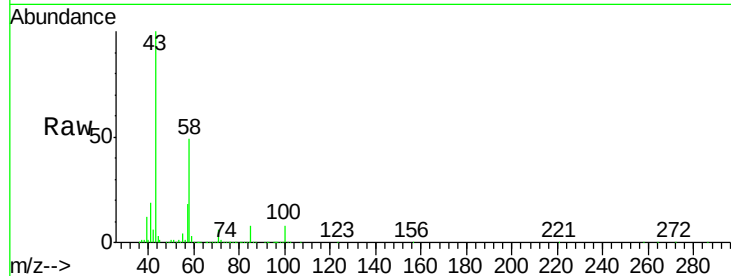
ClientSampleId :

VSTDCCC010

Tot Ion:	43	Resp:	1939012
Ion	Ratio	Lower	Upper
43	100		
58	48.5	38.6	58.0
98	0.5	0.2	0.2#

Manual Integrations
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#52

Tetrachloroethene

Concen: 9.44 ppbv

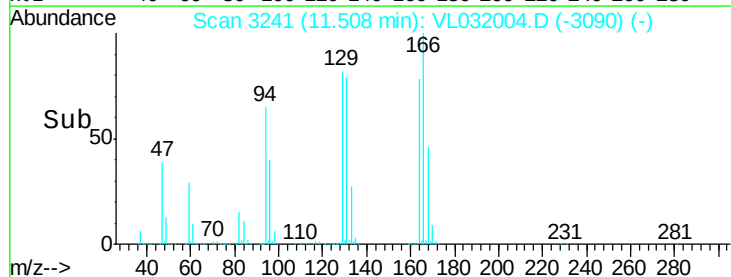
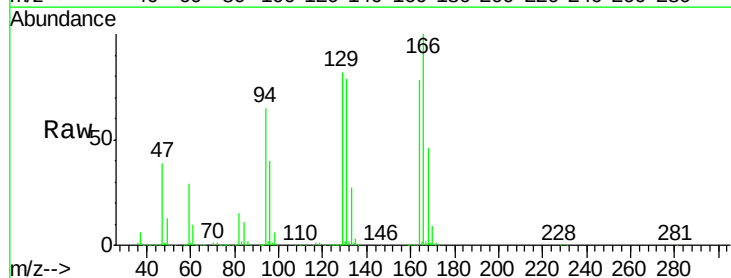
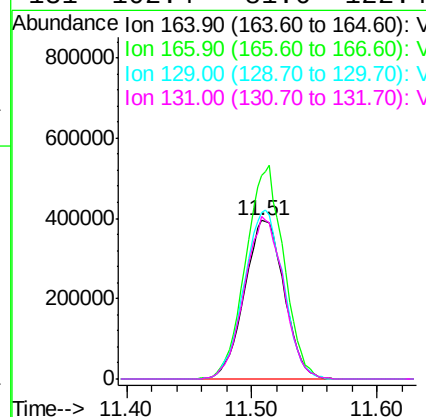
RT: 11.51 min Scan# 3241

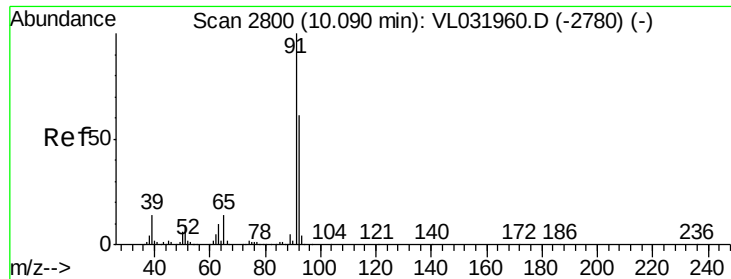
Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Tgt Ion:	164	Resp:	865231
Ion	Ratio	Lower	Upper
164	100		
166	128.7	101.9	152.9
129	104.9	85.8	128.6
131	102.4	81.6	122.4





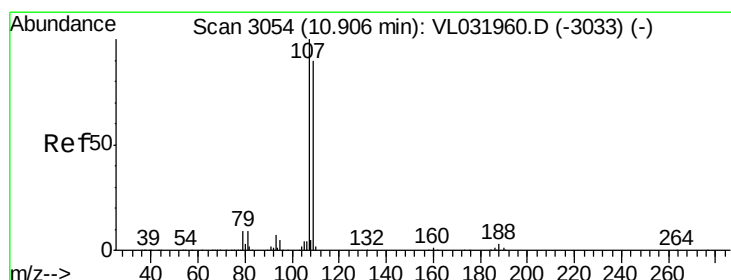
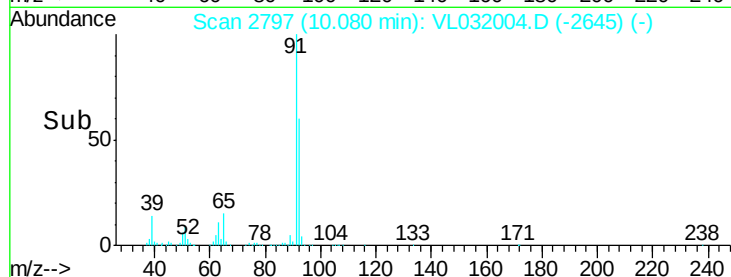
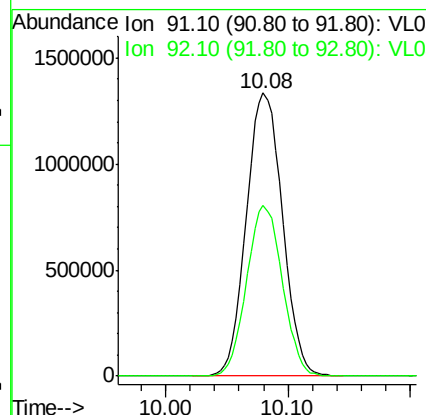
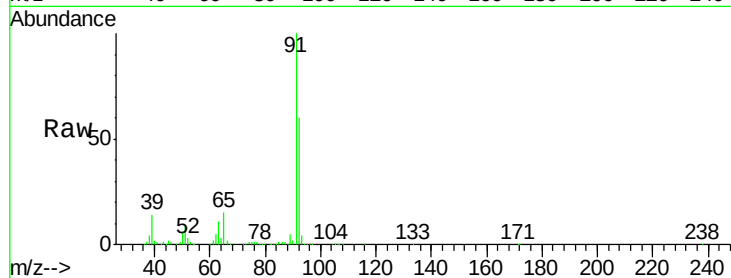
#53
Toluene
Concen: 10.22 ppbv
RT: 10.08 min Scan# 2797
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 2727100
Ion Ratio Lower Upper
91 100
92 59.5 47.4 71.2

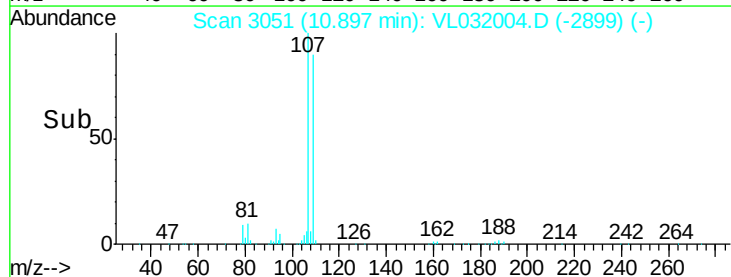
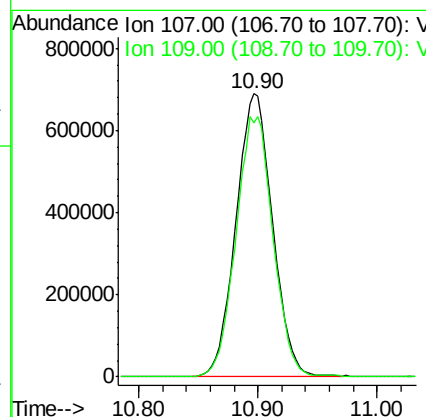
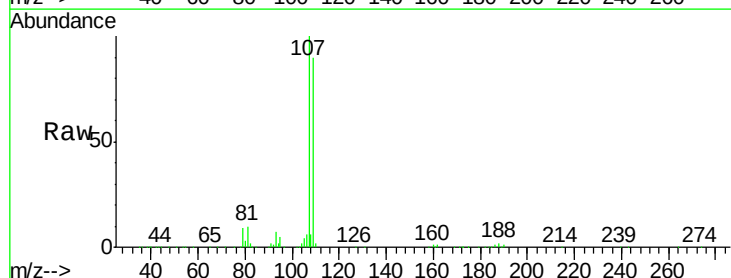
Manual Integrations
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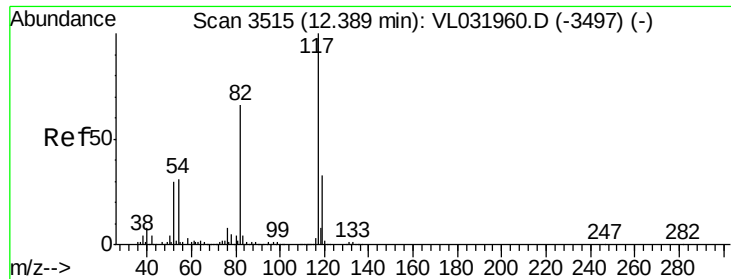
MMDadoda
5/17/2018 3:34:11 PM



#54
1,2-Dibromoethane
Concen: 9.65 ppbv
RT: 10.90 min Scan# 3051
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Tgt Ion:107 Resp: 1465074
Ion Ratio Lower Upper
107 100
109 89.6 72.1 108.1





#55

Chlorobenzene-d5

Concen: 10.00 ppbv m

RT: 12.38 min Scan# 3511

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2738241

Ion Ratio Lower Upper

117 100

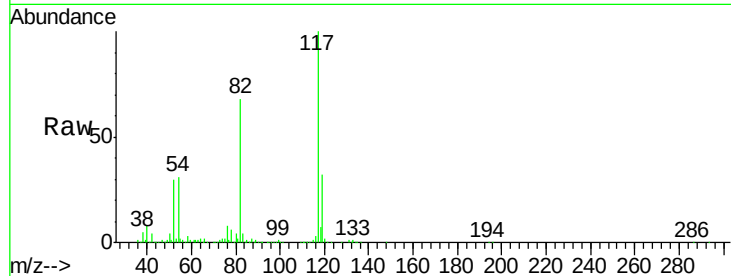
82 64.4 51.6 77.4

119 54.7 44.2 66.4

Manual Integrations
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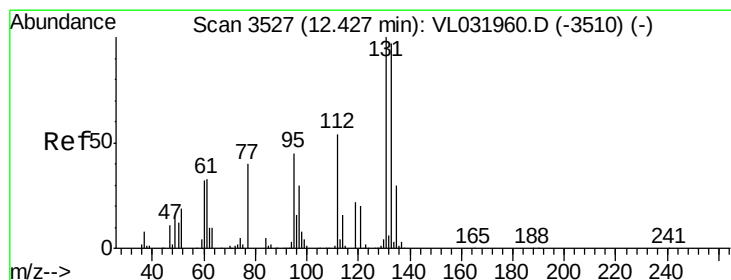
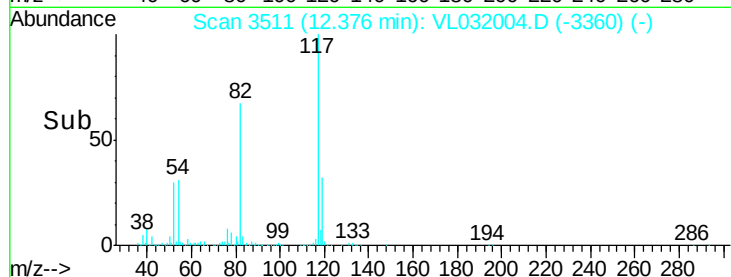
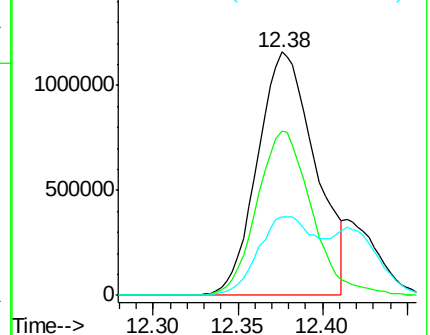
5/17/2018 3:34:11 PM



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.03 ppbv

RT: 12.41 min Scan# 3523

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

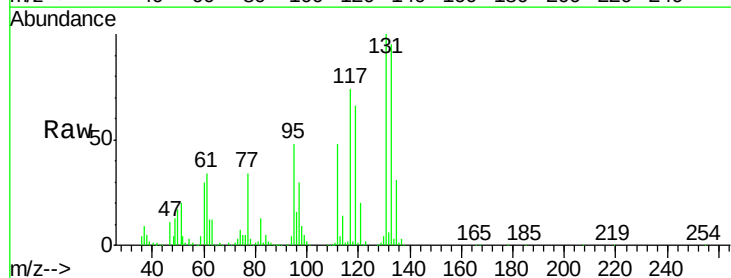
Tgt Ion:131 Resp: 1126448

Ion Ratio Lower Upper

131 100

133 94.6 76.2 114.4

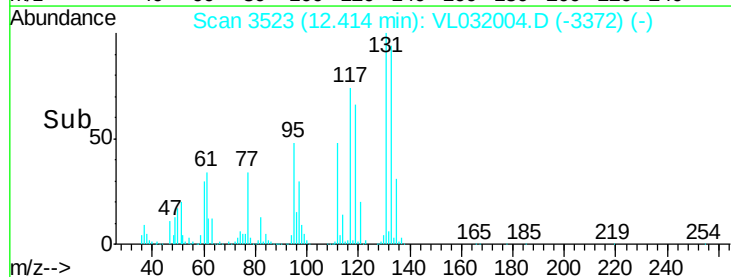
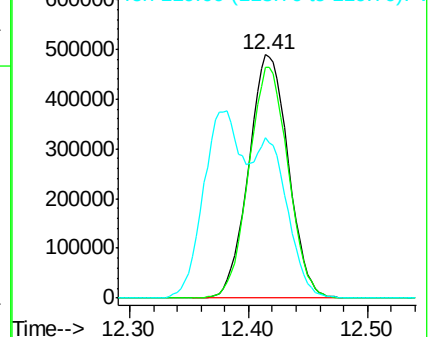
119 132.9 44.7 67.1#

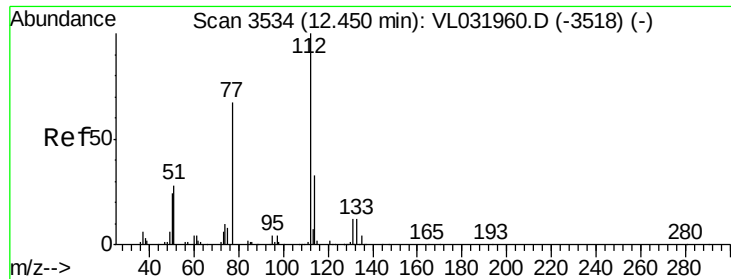


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





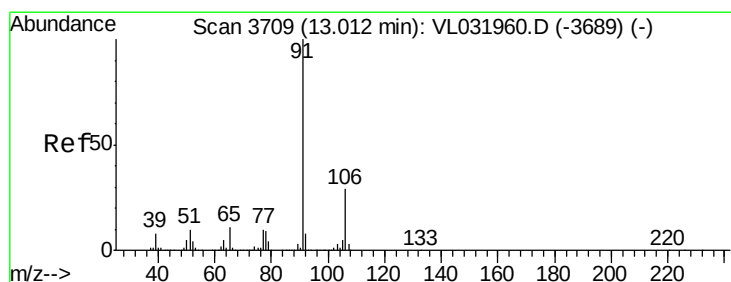
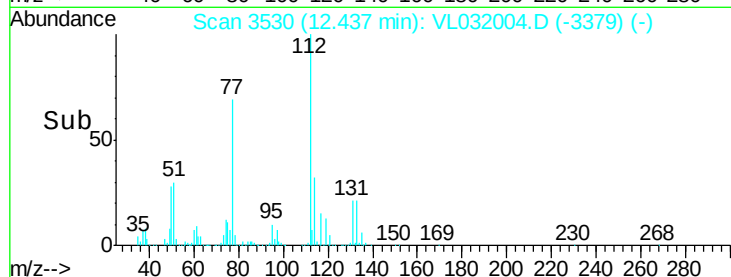
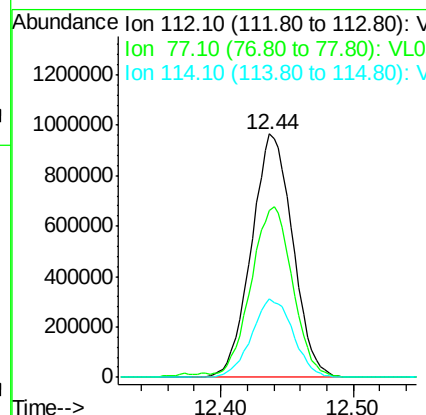
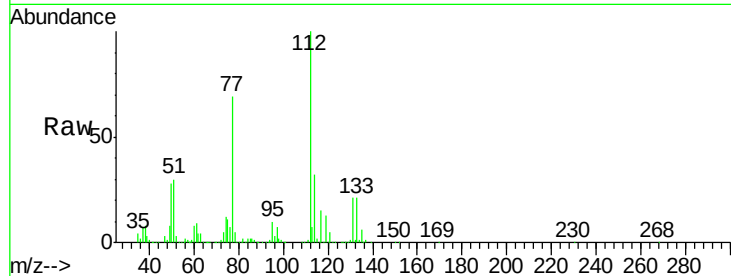
#57
Chlorobenzene
Concen: 8.86 ppbv
RT: 12.44 min Scan# 3530
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	68.3	54.6	82.0
114	32.2	29.2	35.6

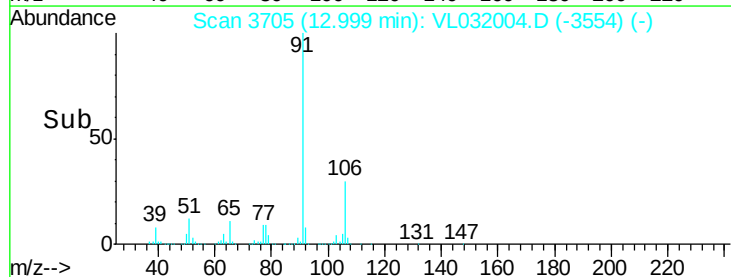
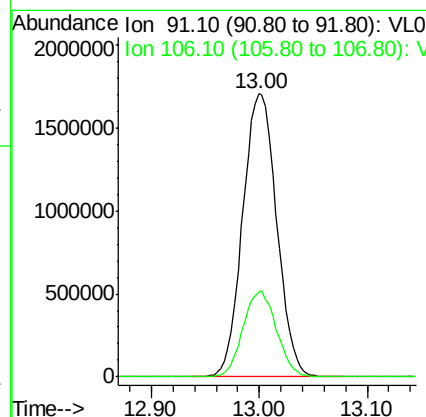
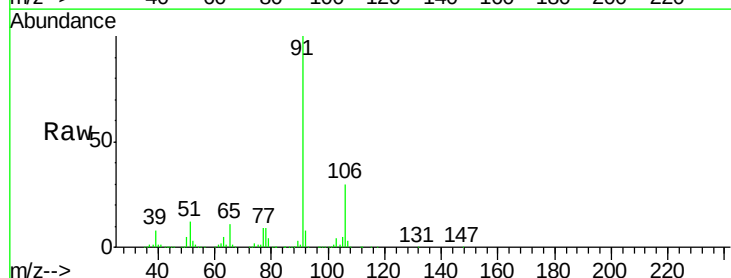
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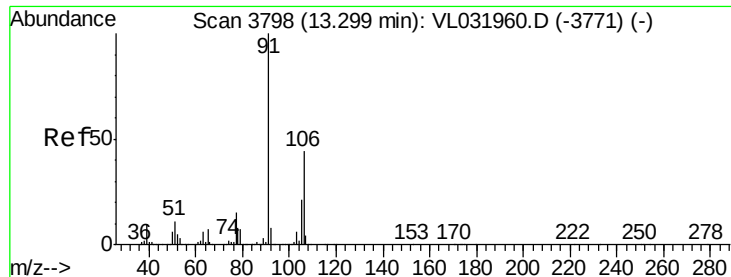
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#58
Ethyl Benzene
Concen: 9.53 ppbv
RT: 13.00 min Scan# 3705
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.2





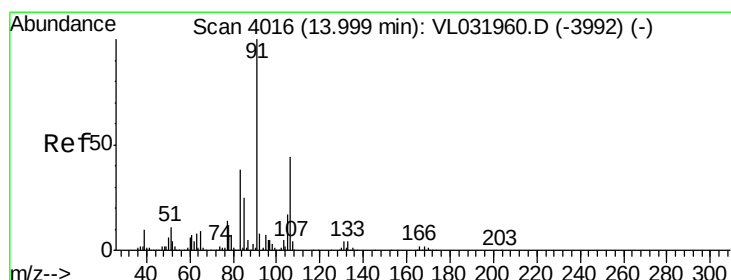
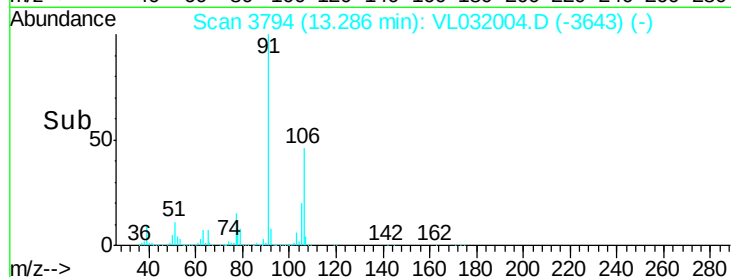
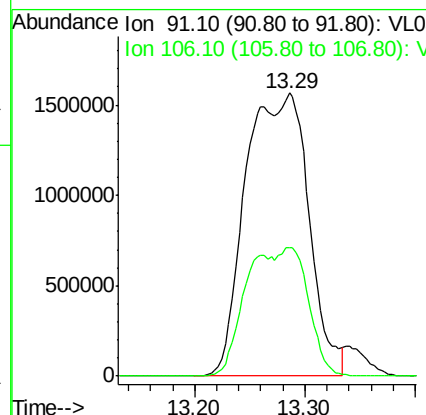
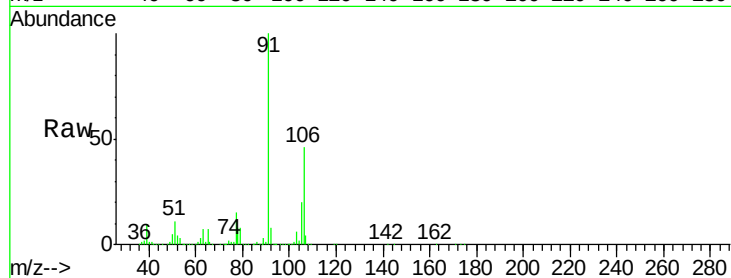
#59
m/p-Xylene
Concen: 18.65 ppbv m
RT: 13.29 min Scan# 3794
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 6203596
Ion Ratio Lower Upper
91 100
106 44.6 35.9 53.9

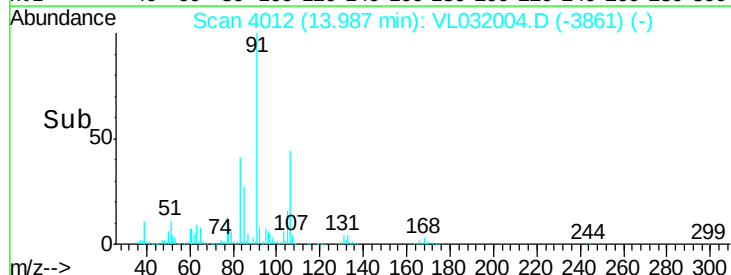
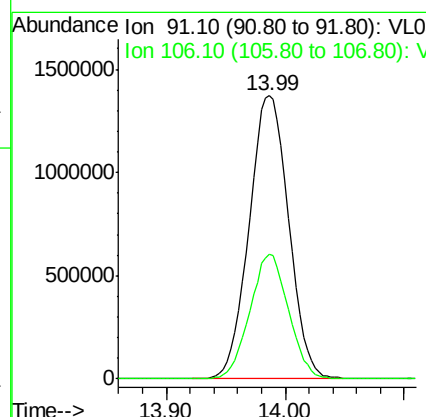
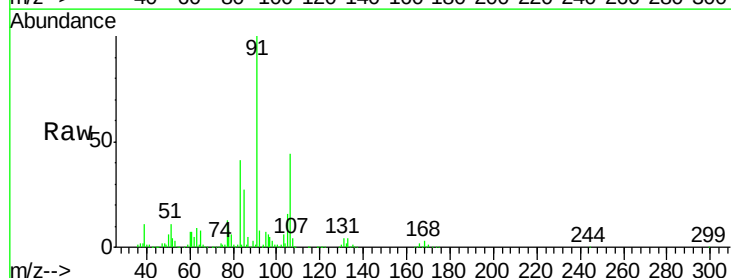
Manual Integrations
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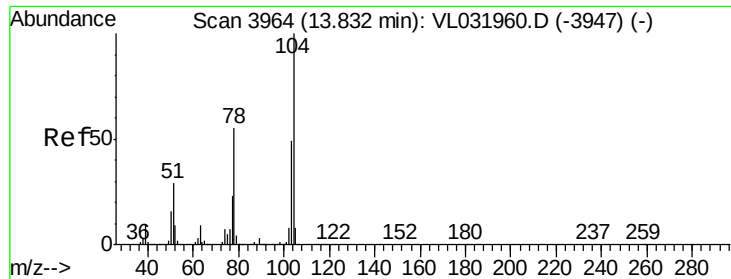
MMDadoda
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#60
o-Xylene
Concen: 9.43 ppbv
RT: 13.99 min Scan# 4012
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Tgt Ion: 91 Resp: 3147708
Ion Ratio Lower Upper
91 100
106 43.1 21.5 64.5





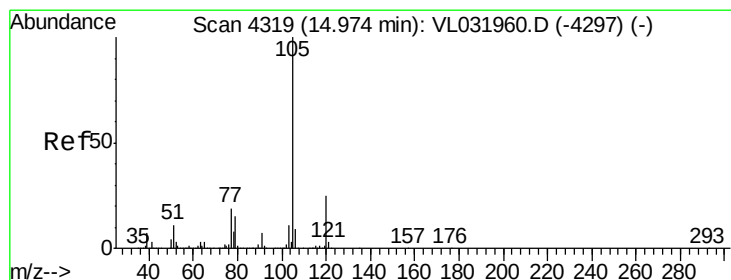
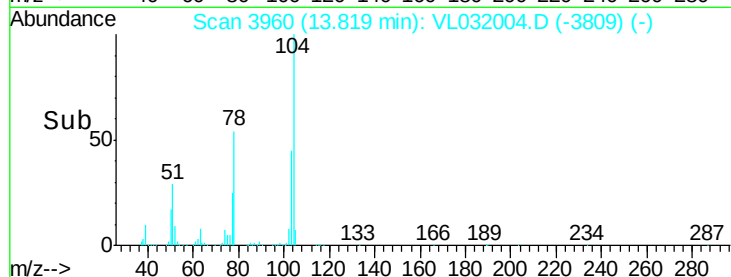
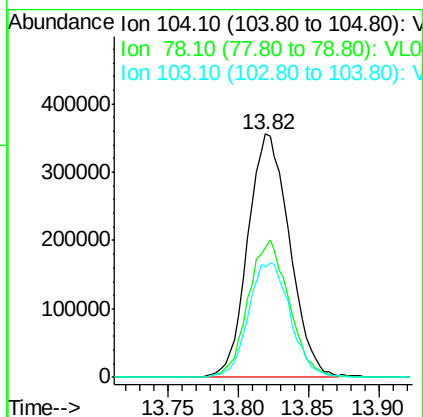
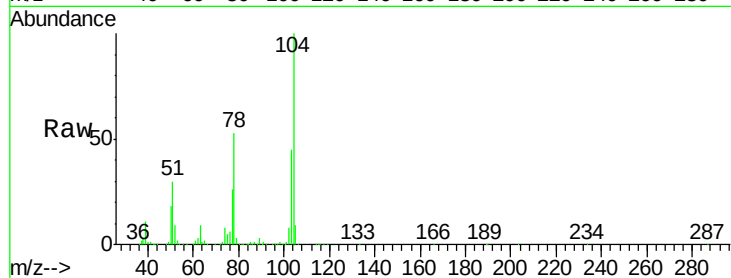
#61
Stvrene
Concen: 10.89 ppbv
RT: 13.82 min Scan# 3960
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.5	43.8	65.8
103	47.3	38.4	57.6

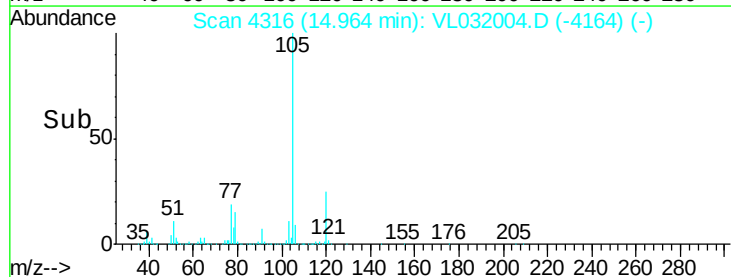
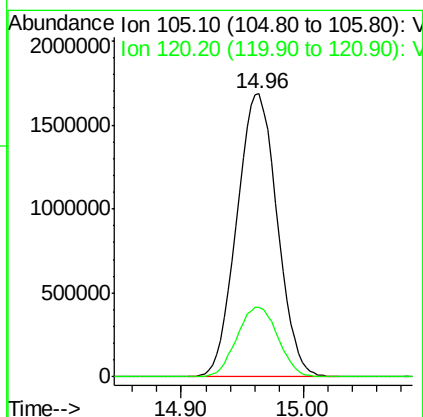
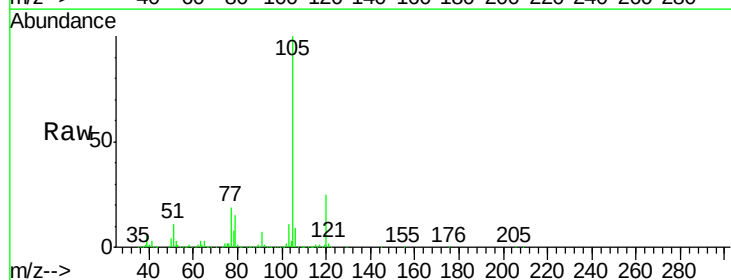
Manual Integrations
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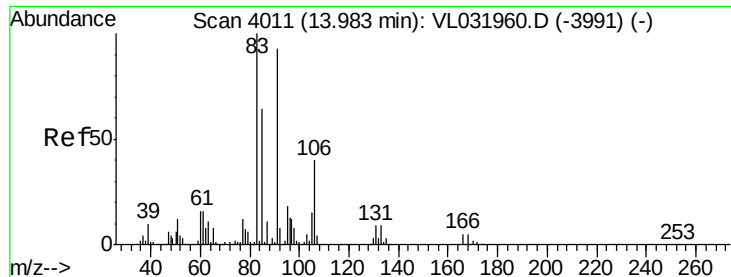
MMDadoda
5/17/2018 3:34:11 PM



#62
Isopropylbenzene
Concen: 9.05 ppbv
RT: 14.96 min Scan# 4316
Delta R.T. -0.01 min
Lab File: VL032004.D
Acq: 16 May 2018 15:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.1	19.9	29.9





#63

1,1,2,2-Tetrachloroethane

Concen: 8.51 ppbv

RT: 13.97 min Scan# 4008

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 2018317

Ion Ratio Lower Upper

83 100

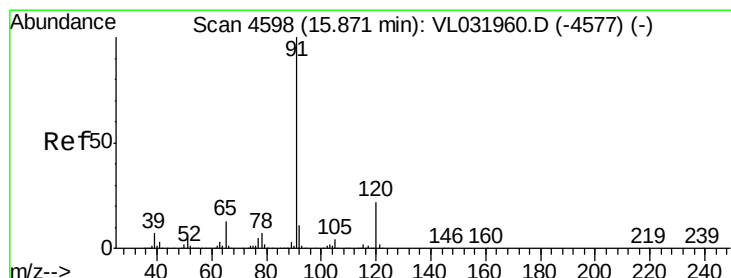
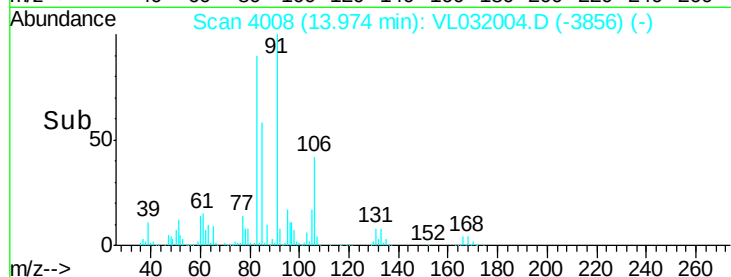
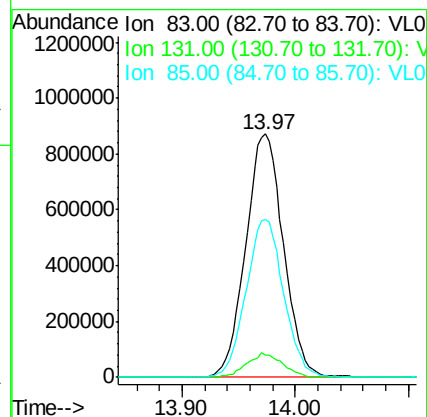
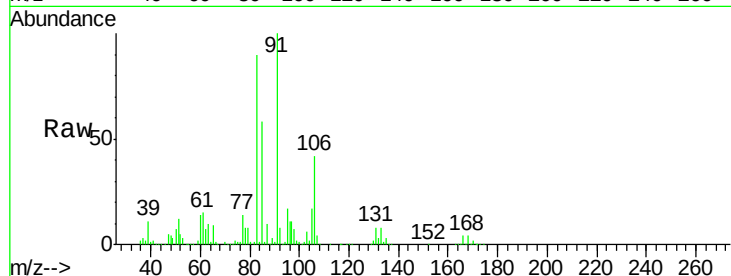
131 9.6 4.9 14.7

85 64.8 32.7 98.1

Manual Integrations
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#64

n-propylbenzene

Concen: 9.19 ppbv

RT: 15.86 min Scan# 4594

Delta R.T. -0.01 min

Lab File: VL032004.D

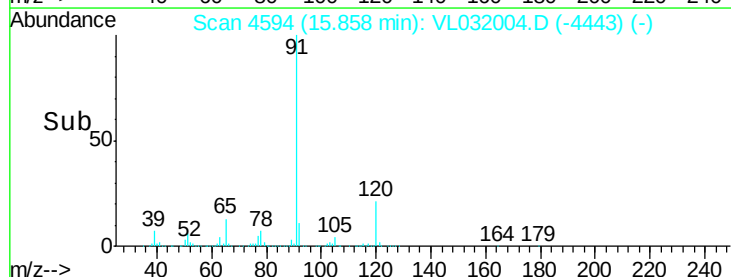
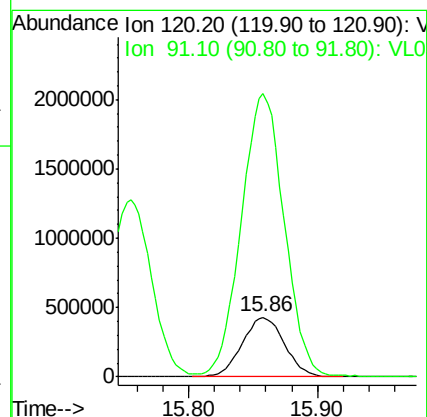
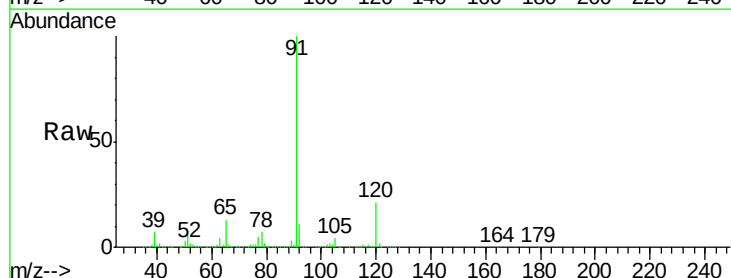
Acq: 16 May 2018 15:00

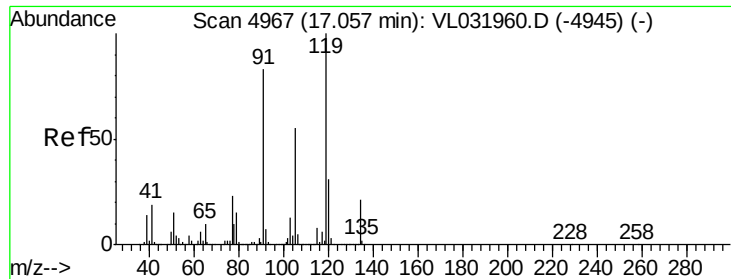
Tgt Ion: 120 Resp: 982943

Ion Ratio Lower Upper

120 100

91 481.8 388.6 583.0





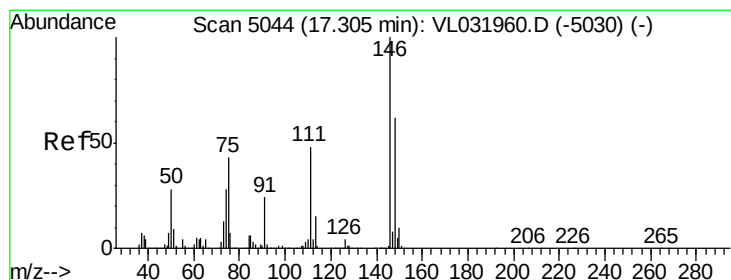
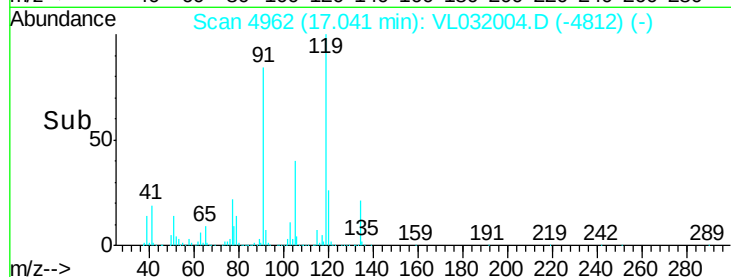
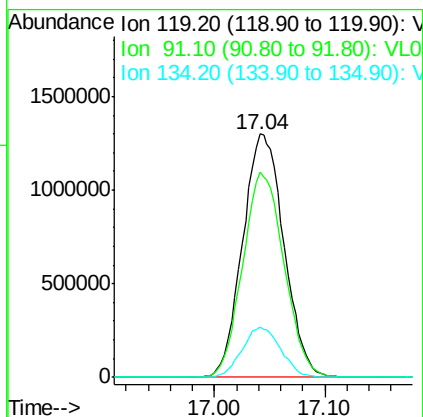
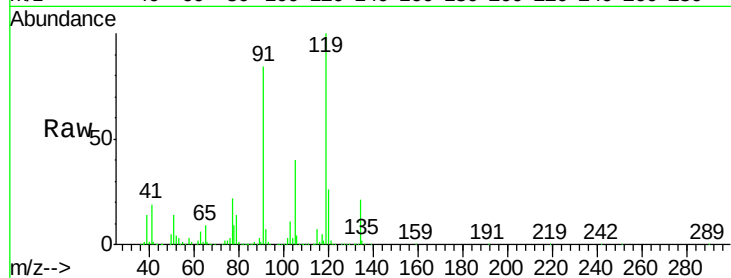
#65
 tert-Butylbenzene
 Concen: 8.84 ppbv
 RT: 17.04 min Scan# 4962
 Delta R.T. -0.02 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:119 Resp: 3365712
 Ion Ratio Lower Upper
 119 100
 91 84.6 68.1 102.1
 134 19.4 15.4 23.0

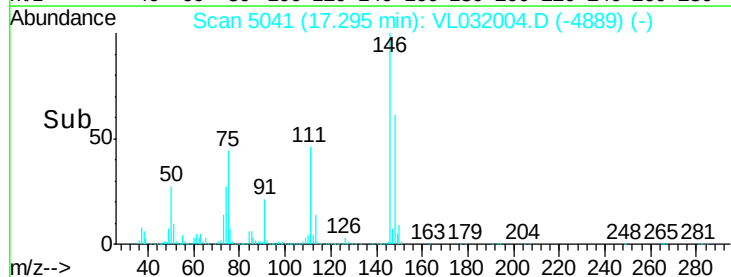
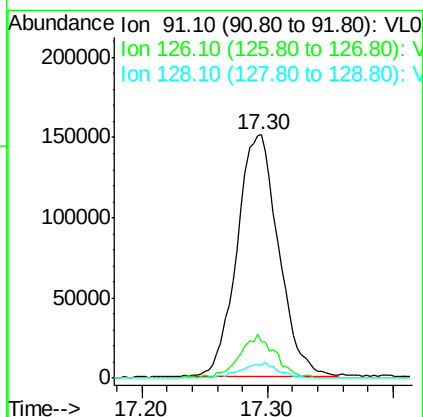
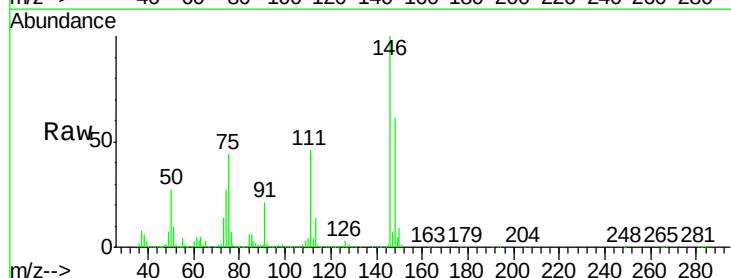
Manual Integrations
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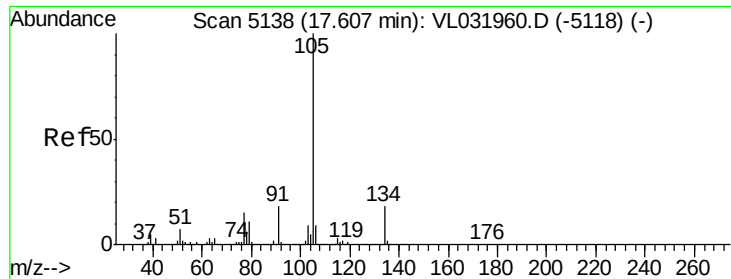
MMDadoda
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#66
 Benzyl Chloride
 Concen: 10.03 ppbv
 RT: 17.30 min Scan# 5041
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion: 91 Resp: 346921
 Ion Ratio Lower Upper
 91 100
 126 15.8 13.4 20.0
 128 5.7 4.6 6.8





#67

sec-Butylbenzene

Concen: 9.02 ppbv

RT: 17.59 min Scan# 5134

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 4764044

Ion Ratio Lower Upper

105 100

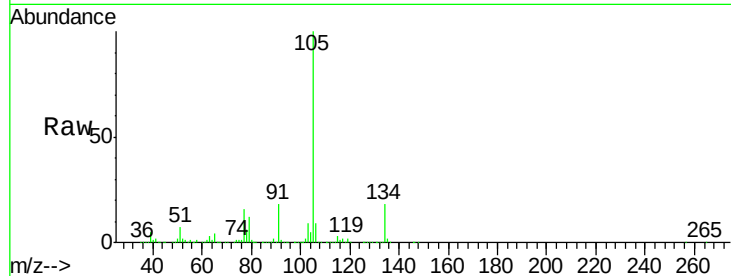
134 17.9 14.2 21.4

Manual Integrations

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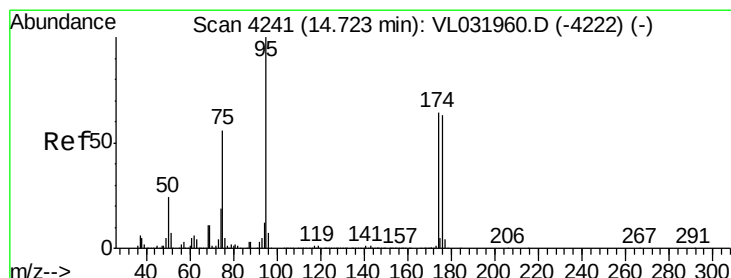
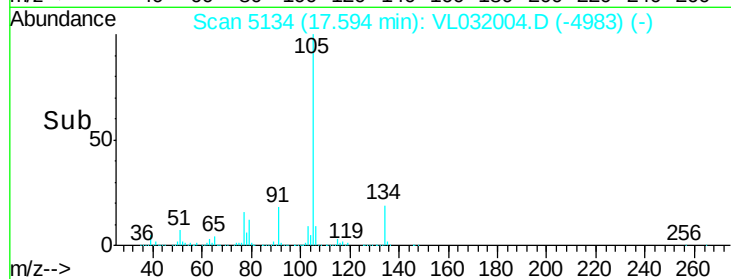
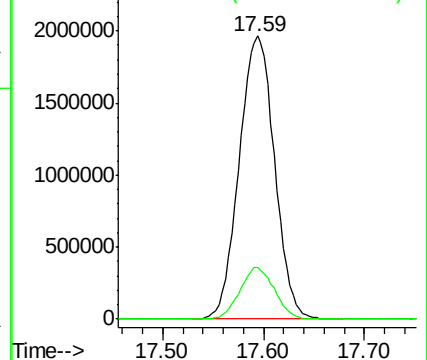
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.68 ppbv

RT: 14.71 min Scan# 4238

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

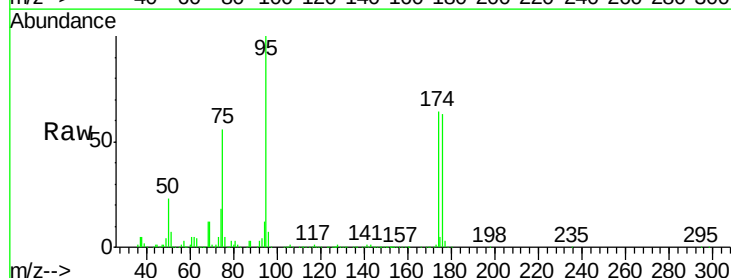
Tgt Ion: 95 Resp: 2055817

Ion Ratio Lower Upper

95 100

174 65.7 53.0 79.6

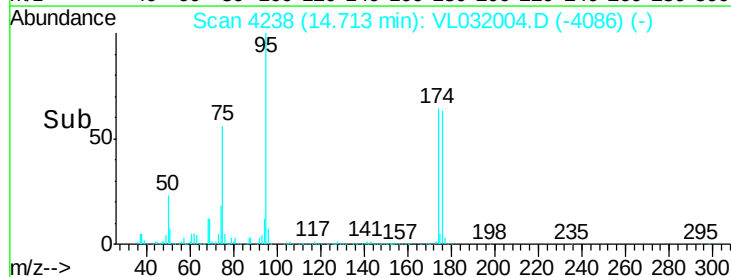
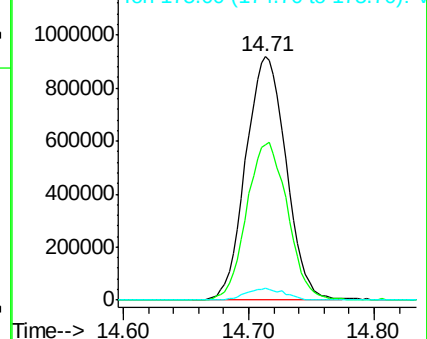
175 4.8 3.9 5.9

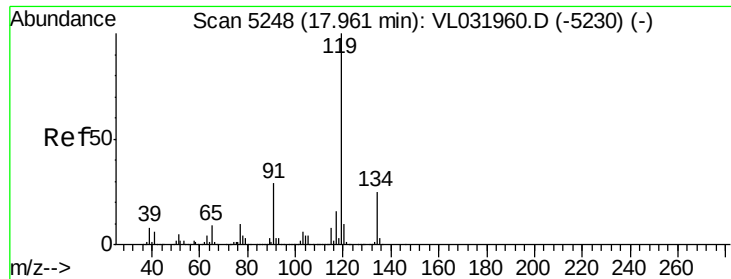


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





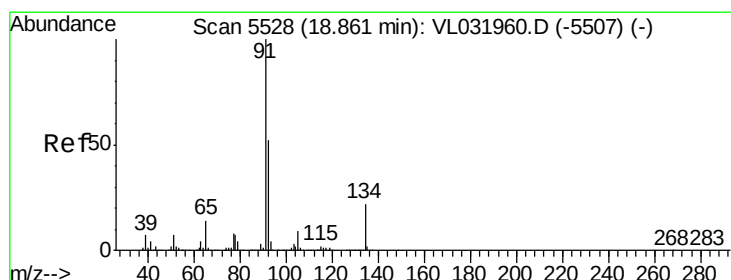
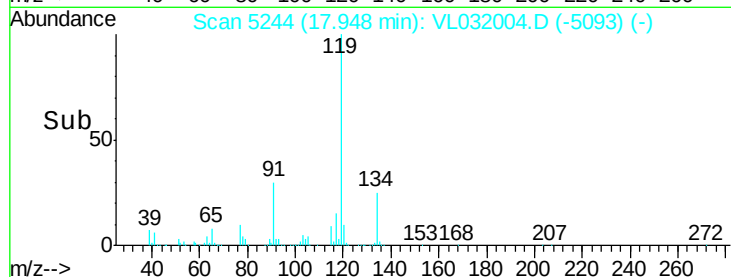
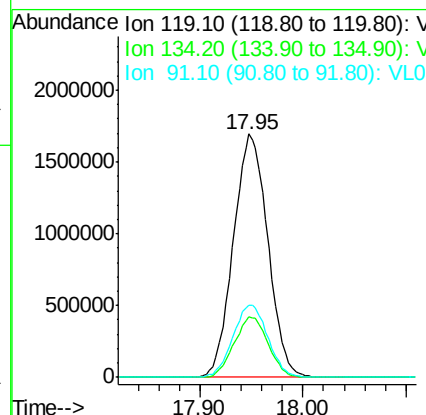
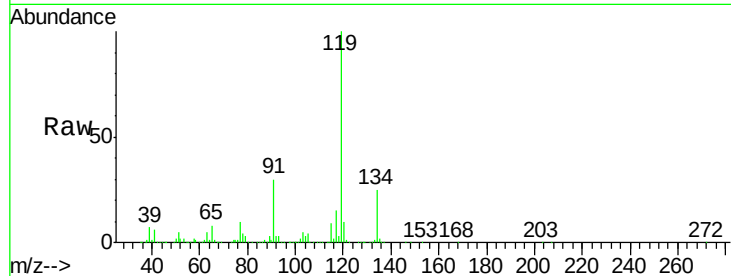
#69
 p-Isopropyltoluene
 Concen: 9.26 ppbv
 RT: 17.95 min Scan# 5244
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	24.7	19.8	29.8
91	30.2	23.8	35.6

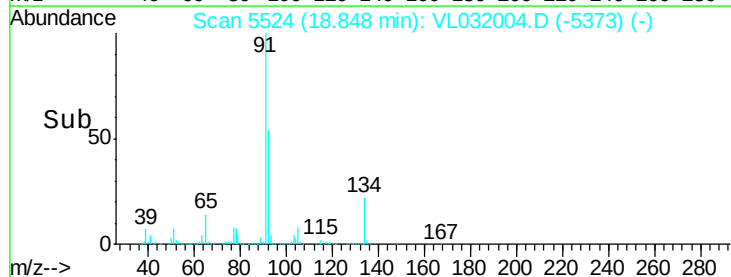
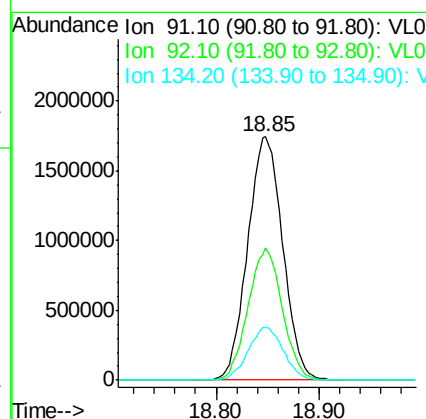
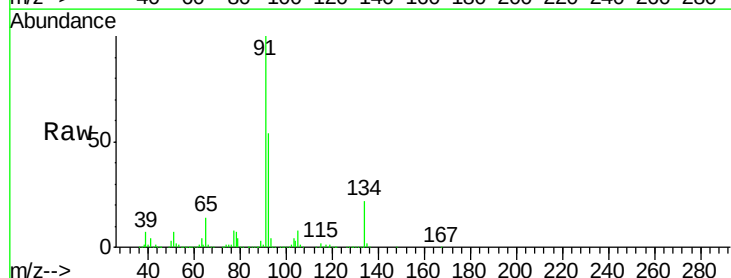
Manual Integrations
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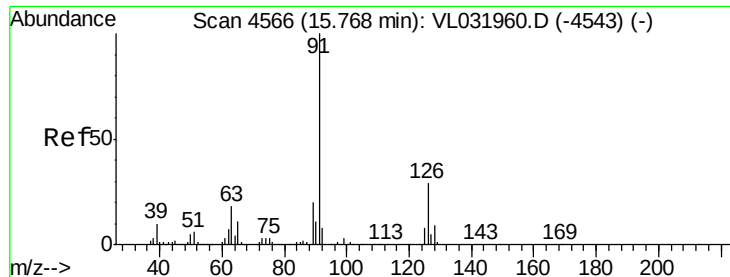
MMDadoda
 5/17/2018 3:34:11 PM



#70
 n-Butylbenzene
 Concen: 9.36 ppbv
 RT: 18.85 min Scan# 5524
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	52.8	41.8	62.8
134	21.7	17.6	26.4





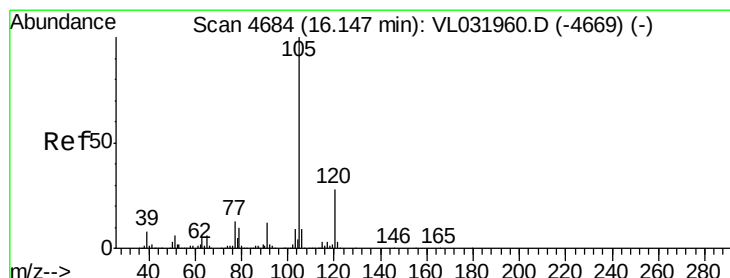
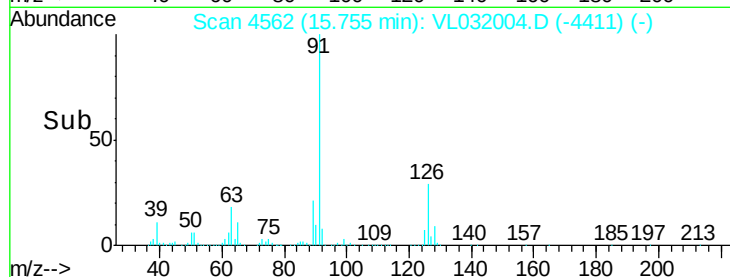
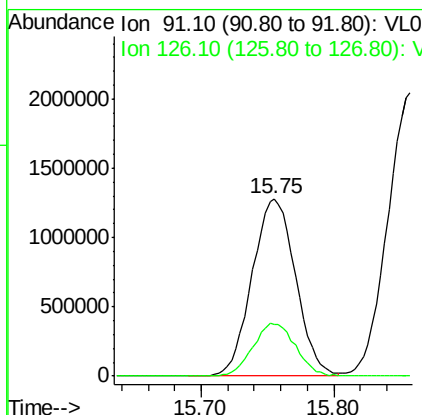
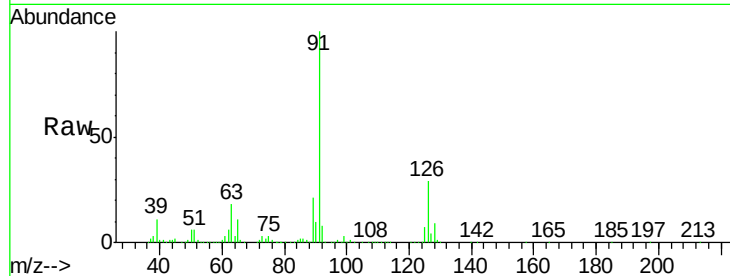
#71
 2-Chlorotoluene
 Concen: 9.36 ppbv
 RT: 15.75 min Scan# 4562
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 2923721
 Ion Ratio Lower Upper
 91 100
 126 29.4 11.8 47.2

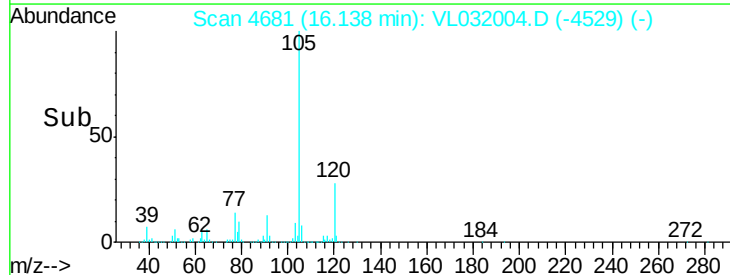
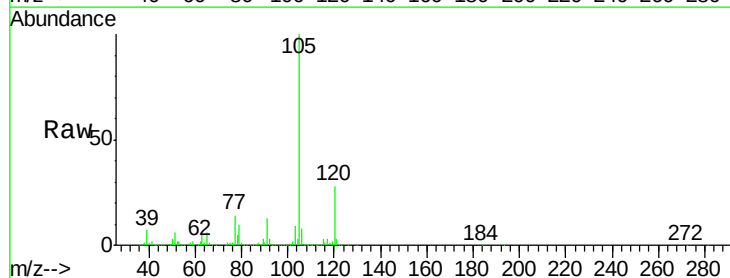
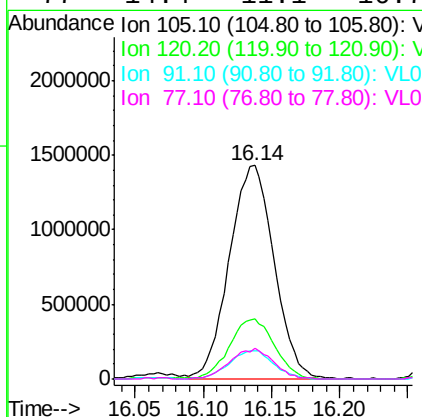
Manual Integrations
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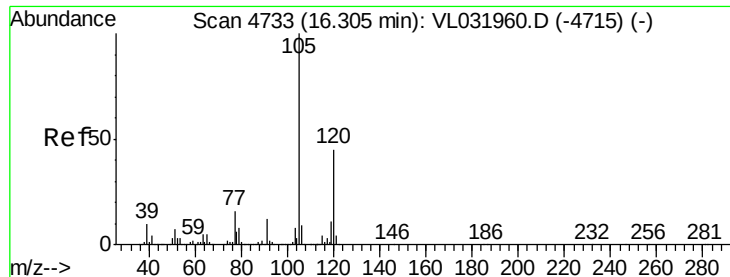
MMDadoda
 5/17/2018 3:34:11 PM



#72
 4-Ethyltoluene
 Concen: 9.57 ppbv
 RT: 16.14 min Scan# 4681
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion: 105 Resp: 3244398
 Ion Ratio Lower Upper
 105 100
 120 28.6 22.6 33.8
 91 13.3 10.5 15.7
 77 14.4 11.1 16.7





#73

1,3,5-Trimethylbenzene

Concen: 9.25 ppbv

RT: 16.29 min Scan# 4729

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 2898002

Ion Ratio Lower Upper

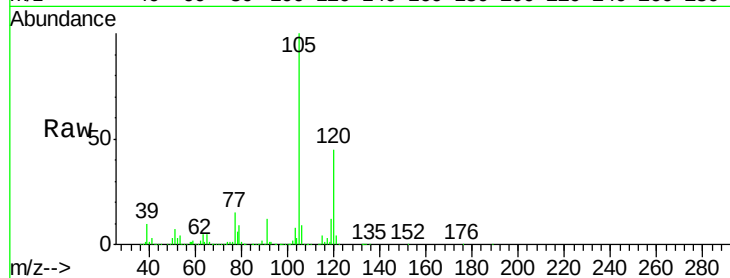
105 100

120 45.3 36.0 54.0

Manual Integrations
APPROVED

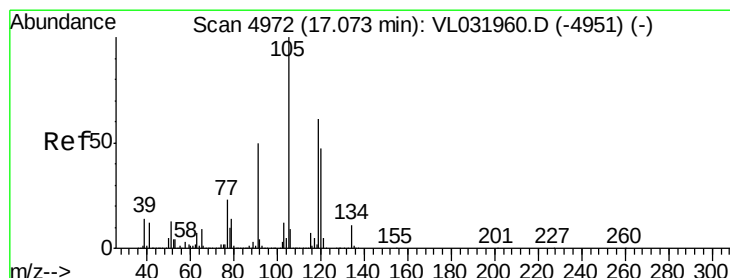
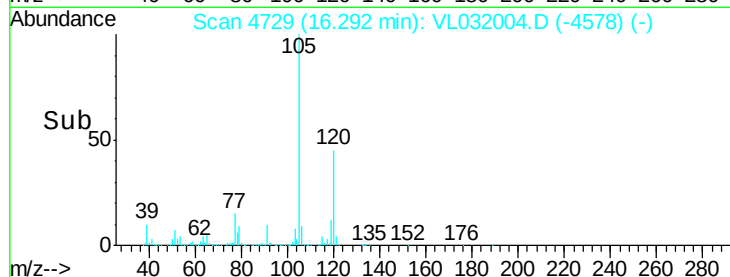
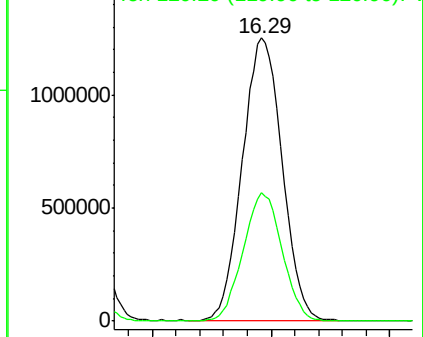
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.98 ppbv

RT: 17.06 min Scan# 4969

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Tgt Ion:105 Resp: 3113192

Ion Ratio Lower Upper

105 100

120 45.3 37.8 56.6

91 44.0 40.5 60.7

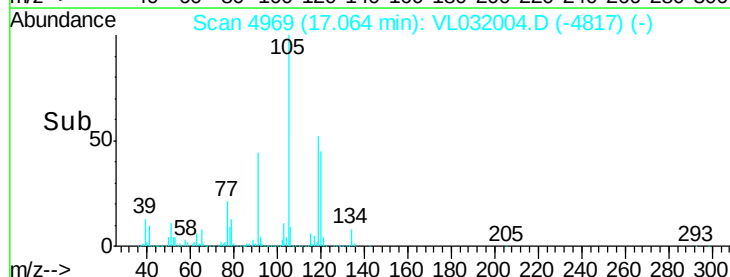
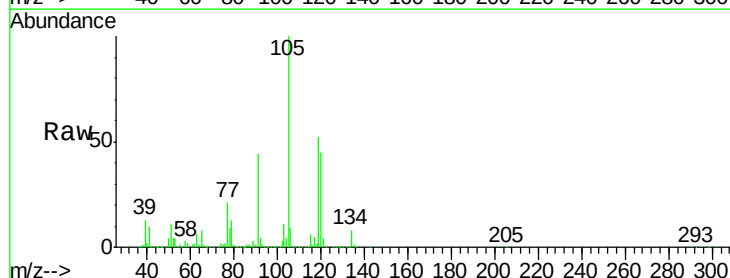
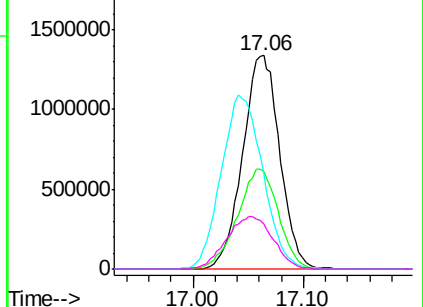
77 20.8 18.2 27.2

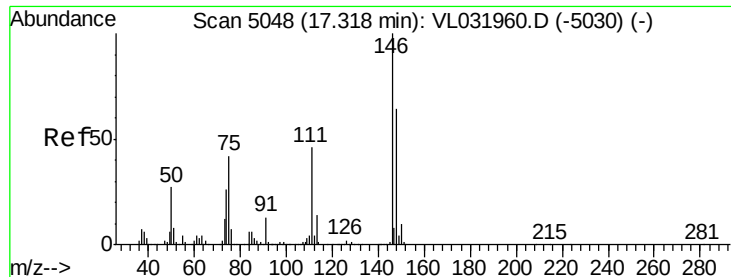
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





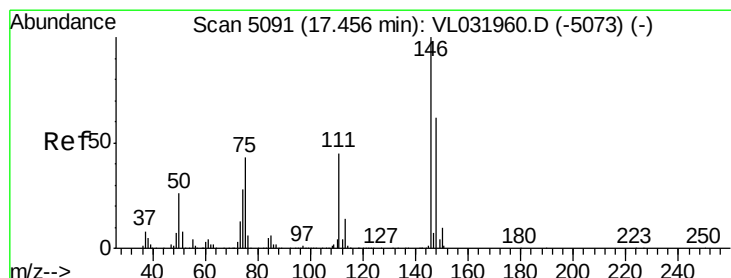
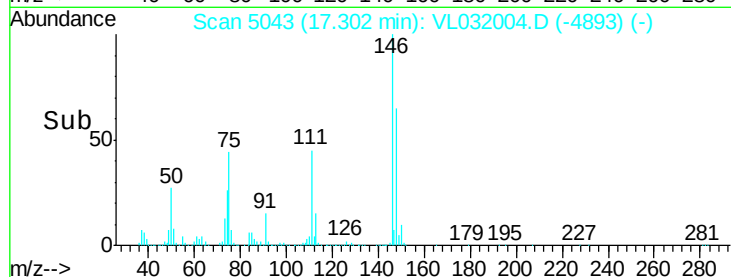
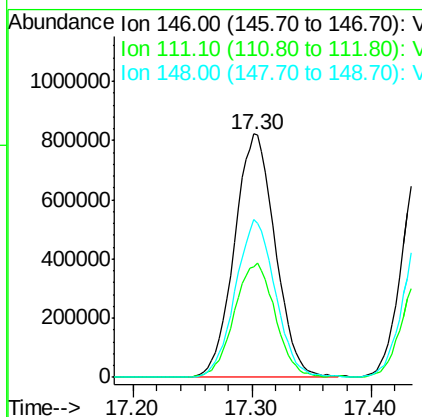
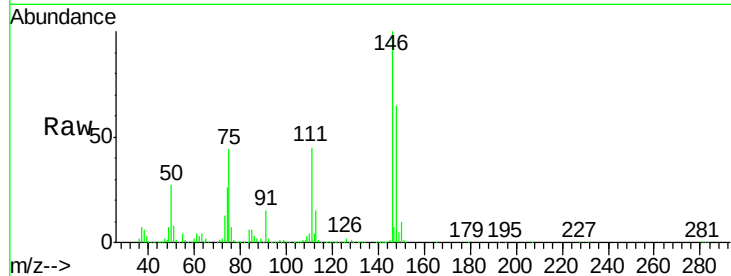
#75
 1,3-Dichlorobenzene
 Concen: 9.10 ppbv
 RT: 17.30 min Scan# 5043
 Delta R.T. -0.02 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	47.4	23.5	70.5
148	63.6	32.3	96.8

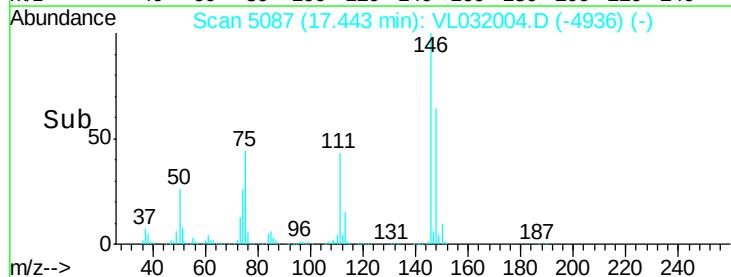
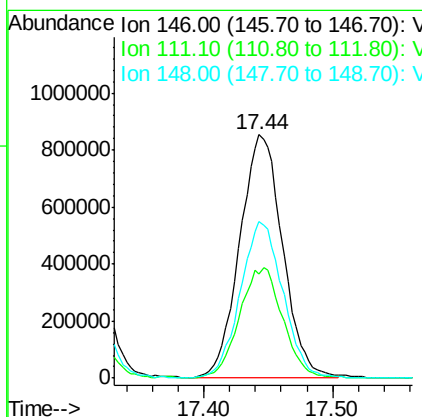
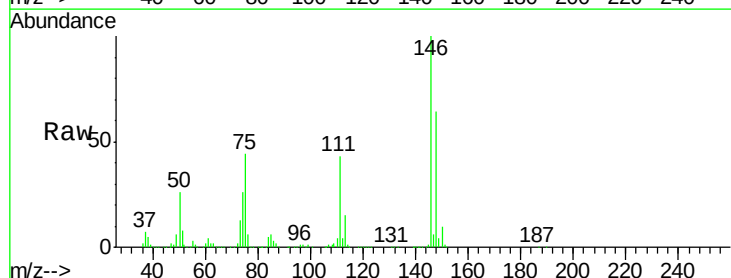
Manual Integrations
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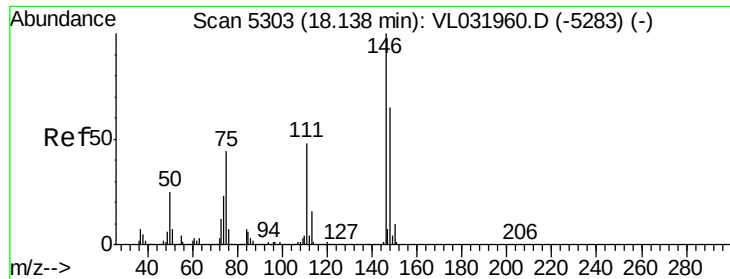
MMDadoda
 5/17/2018 3:34:11 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.26 ppbv
 RT: 17.44 min Scan# 5087
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.4	23.0	69.0
148	64.8	32.4	97.2





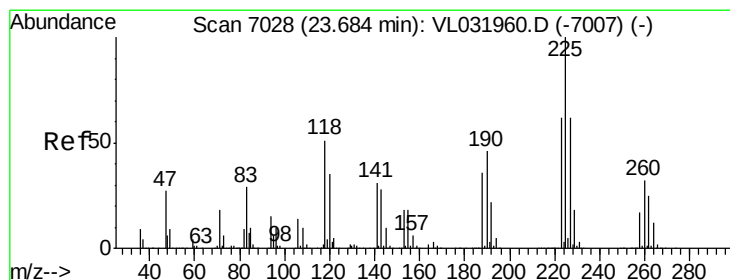
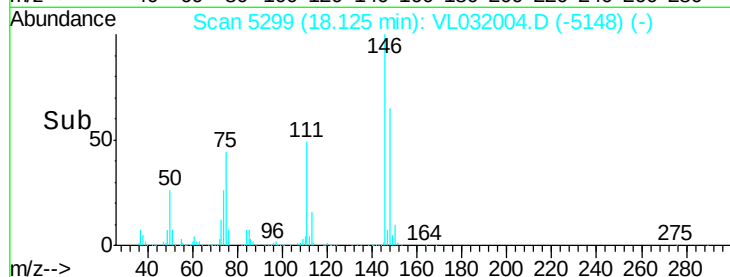
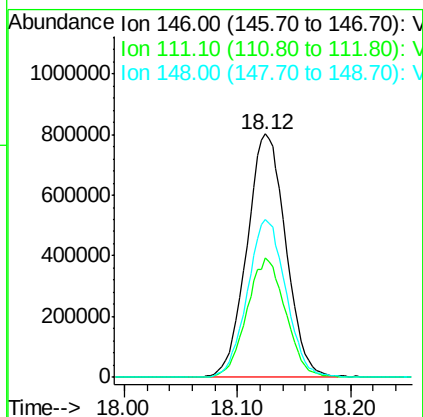
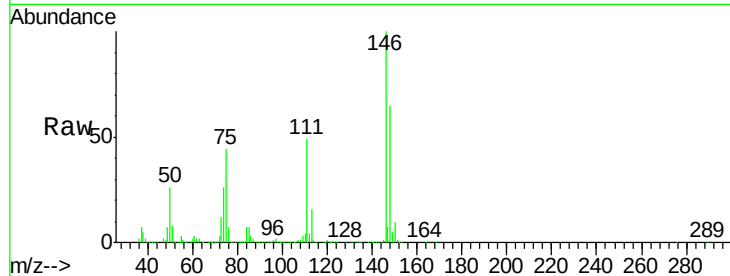
#77
 1,2-Dichlorobenzene
 Concen: 8.90 ppbv
 RT: 18.12 min Scan# 5299
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampled :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.2	72.6
148	64.0	32.0	96.2

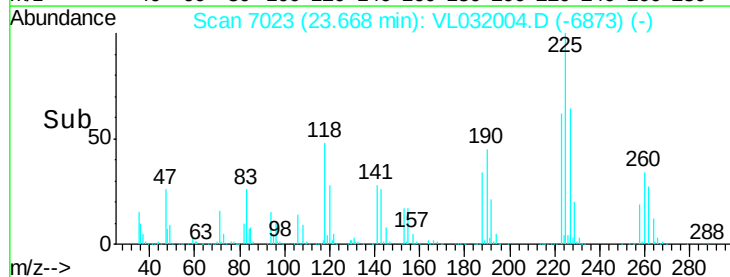
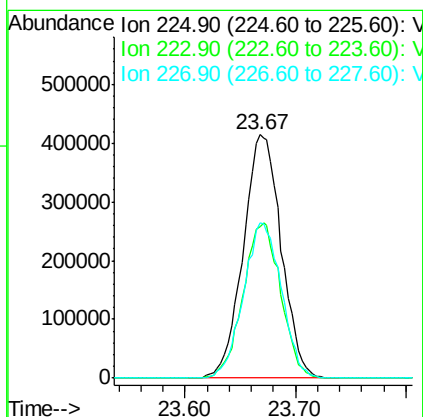
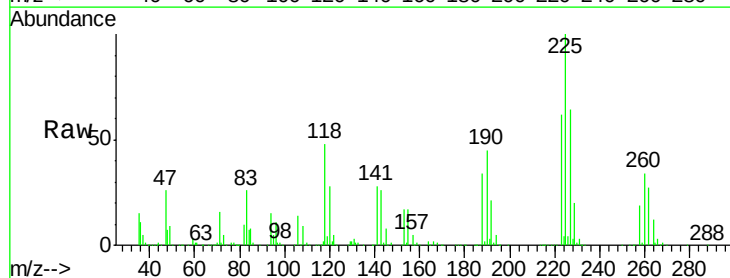
Manual Integrations
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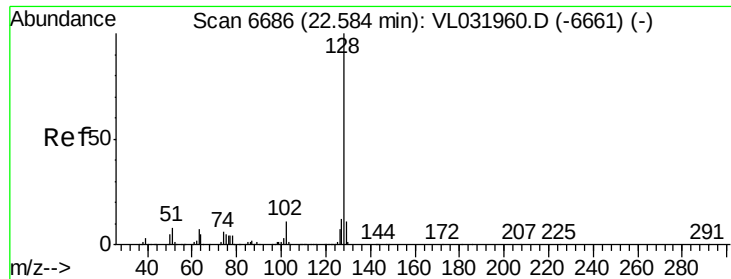
MMDadoda
 5/17/2018 3:34:11 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.09 ppbv
 RT: 23.67 min Scan# 7023
 Delta R.T. -0.02 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.1	50.8	76.2
227	63.8	50.9	76.3





#79

Naphthalene

Concen: 14.30 ppbv

RT: 22.57 min Scan# 6681

Delta R.T. -0.02 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:128 Resp: 3451282

Ion Ratio Lower Upper

128 100

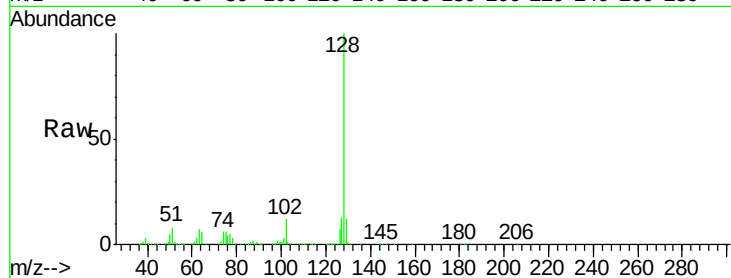
127 13.3 10.0 15.0

129 11.6 9.0 13.4

Manual Integrations
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MMDadoda

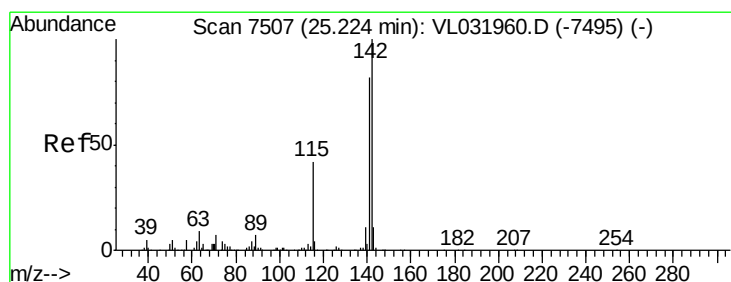
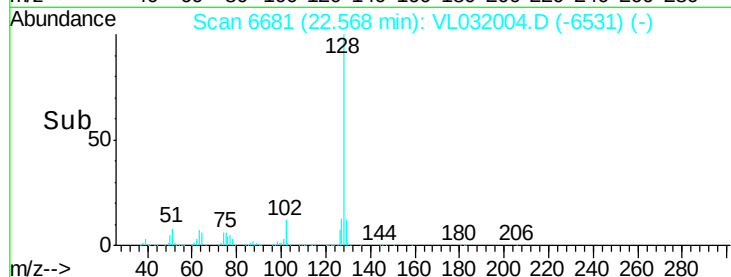
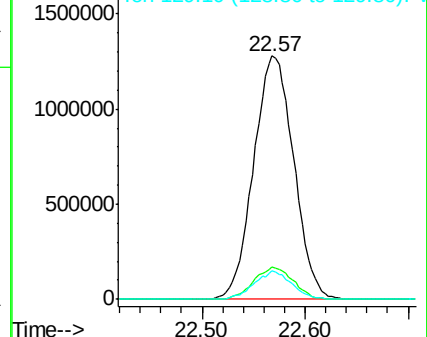
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene,2-methyl-

Concen: 27.13 ppbv

RT: 25.22 min Scan# 7505

Delta R.T. -0.01 min

Lab File: VL032004.D

Acq: 16 May 2018 15:00

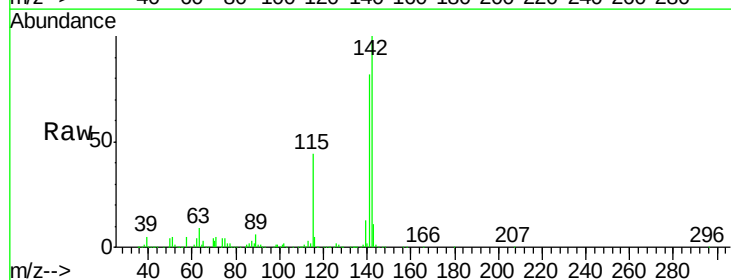
Tgt Ion:142 Resp: 1561733

Ion Ratio Lower Upper

142 100

141 84.2 67.9 101.9

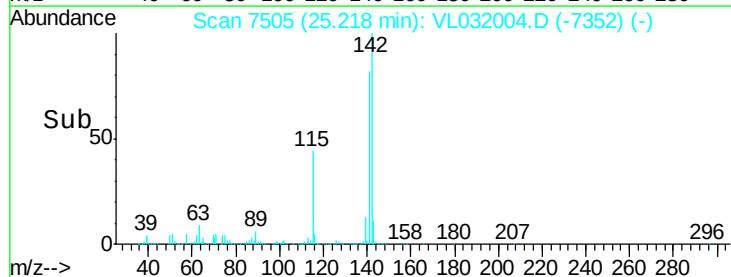
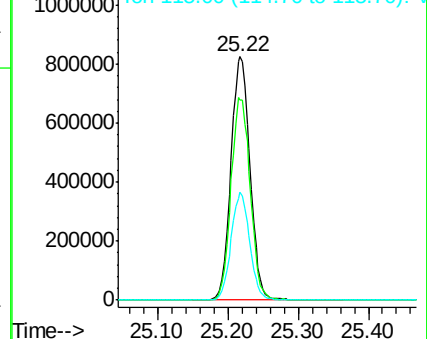
115 43.3 33.8 50.8

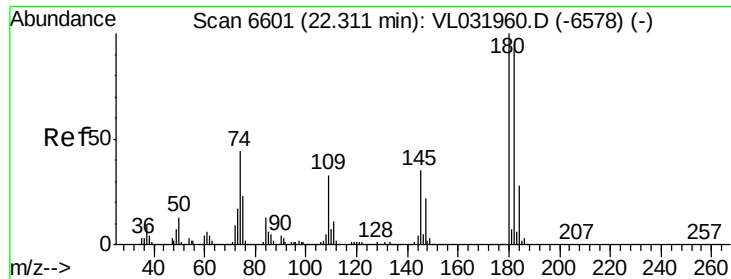


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





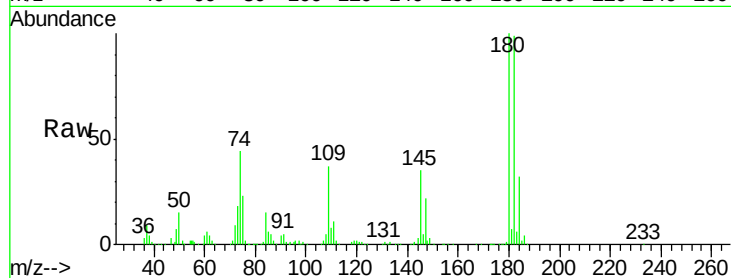
#81
 1,2,4-Trichlorobenzene
 Concen: 12.77 ppbv
 RT: 22.30 min Scan# 6597
 Delta R.T. -0.01 min
 Lab File: VL032004.D
 Acq: 16 May 2018 15:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.6	114.8
184	30.5	24.0	36.0

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

