

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071918\
 Data File : VL032307.D
 Acq On : 20 Jul 2018 10:10
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:06:32 PM

Quant Time: Jul 20 12:19:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1497754	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3202387	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4092962m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	3031274	9.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	91.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.12	85	1542044	6.06	ppbv	100
3) Chlorodifluoromethane	3.06	51	1813852	10.79	ppbv	98
4) Chloromethane	3.22	50	1104181	11.16	ppbv	99
5) Vinyl Chloride	3.34	62	1033029	11.01	ppbv	98
6) Bromomethane	3.57	94	553036	10.81	ppbv	94
7) Chloroethane	3.65	64	361167	10.86	ppbv	99
8) Dichlorotetrafluoroethane	3.27	85	2082098	10.02	ppbv	100
9) Propene	3.08	41	903860	12.30	ppbv	99
10) Heptane	8.33	43	3074979	13.17	ppbv	98
11) Trichlorofluoromethane	4.06	101	1958352	9.83	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.61	101	1319743	10.39	ppbv	99
13) Ethanol	3.70	45	215574	10.27	ppbv	97
14) Bromoethene	3.84	108	636068	11.11	ppbv	100
15) Acetone	3.96	43	1578773	10.07	ppbv	99
16) 1,3-Butadiene	3.41	39	891775	11.17	ppbv	97
17) tert-Butyl alcohol	4.41	59	572512	11.58	ppbv	100
18) 1,1-Dichloroethene	4.41	96	635128	10.71	ppbv	99
19) Isopropyl Alcohol	4.08	45	1216020	11.47	ppbv	100
20) Methylene Chloride	4.47	84	559590	9.27	ppbv	99
21) Allyl Chloride	4.54	41	1164569	11.28	ppbv	97
22) trans-1,2-Dichloroethene	5.03	96	682132	11.08	ppbv	96
23) Vinyl Acetate	5.22	43	3306765	11.76	ppbv	100
24) 1,1-Dichloroethane	5.16	63	2184372	10.71	ppbv	99
25) Ethyl Acetate	5.84	43	3761637	11.02	ppbv	99
26) Hexane	5.85	57	1707516	10.89	ppbv	99
27) Carbon Disulfide	4.68	76	1646082	11.85	ppbv	100
28) Methyl tert-Butyl Ether	5.18	73	2571640	11.06	ppbv	100
29) Chloroform	5.92	83	2408615	10.42	ppbv	97
30) Cyclohexane	7.32	84	1422561	10.81	ppbv	99
31) cis-1,2-Dichloroethene	5.71	61	1724901	11.47	ppbv	99
32) 1,1,1-Trichloroethane	6.70	97	2411883	10.31	ppbv	99
34) 2-Butanone	5.40	43	2656069	12.09	ppbv	99
35) Carbon Tetrachloride	7.22	117	2403862	10.91	ppbv	99
36) Benzene	7.09	78	3629041	11.51	ppbv	100
37) 1,2-Dichloroethane	6.49	62	2003800	10.76	ppbv	99
38) Trichloroethene	8.04	130	1159911	11.12	ppbv	97
39) 1,2-Dichloropropane	7.82	63	1432876	11.48	ppbv	97
40) 1,4-Dioxane	8.04	88	469350	12.73	ppbv #	23
41) Tetrahydrofuran	6.22	42	1650031	12.87	ppbv	98
42) Bromodichloromethane	8.00	83	2631862	11.23	ppbv	97
43) Methyl Methacrylate	8.22	69	1617386	12.52	ppbv	98

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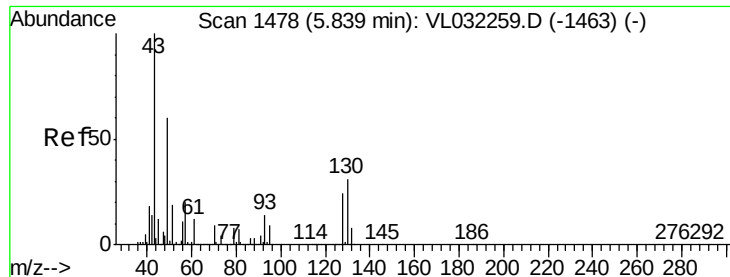
Manual Integrations
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.07	57	6205737	11.30	ppbv	99
45) t-1,3-Dichloropropene	9.50	75	1939251	12.74	ppbv	98
46) cis-1,3-Dichloropropene	8.92	75	2657942	13.69	ppbv	100
47) 1,1,2-Trichloroethane	9.70	97	1315533	9.75	ppbv	97
48) Dibromochloromethane	10.54	129	2552463	12.98	ppbv	99
49) Bromoform	13.30	173	2074569	12.09	ppbv	99
50) 4-Methyl-2-Pentanone	8.95	43	4692025	12.98	ppbv	99
51) 2-Hexanone	10.36	43	3224507	11.70	ppbv #	99
52) Tetrachloroethene	11.46	164	1255935	11.67	ppbv	98
53) Toluene	10.03	91	4634381	12.13	ppbv	100
54) 1,2-Dibromoethane	10.85	107	2468739	12.41	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.37	131	1829805	10.04	ppbv	96
57) Chlorobenzene	12.39	112	3385912	10.08	ppbv	99
58) Ethyl Benzene	12.95	91	6267652	10.87	ppbv	99
59) m/p-Xylene	13.24	91	10210594m	20.75	ppbv	
60) o-Xylene	13.94	91	4892230	9.98	ppbv	99
61) Styrene	13.77	104	3942158	10.83	ppbv	99
62) Isopropylbenzene	14.92	105	6914539	9.84	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.93	83	3603401	8.62	ppbv	99
64) n-propylbenzene	15.81	120	1811412	10.04	ppbv	100
65) tert-Butylbenzene	17.00	119	5602173	9.36	ppbv	99
66) Benzyl Chloride	17.25	91	3783518	11.23	ppbv	100
67) sec-Butylbenzene	17.55	105	8451733	9.46	ppbv	99
69) p-Isopropyltoluene	17.91	119	6862715	9.95	ppbv	99
70) n-Butylbenzene	18.80	91	7634153	9.92	ppbv	100
71) 2-Chlorotoluene	15.71	91	5516442	9.80	ppbv	99
72) 4-Ethyltoluene	16.09	105	5776589	10.20	ppbv	100
73) 1,3,5-Trimethylbenzene	16.25	105	5475072	9.89	ppbv	97
74) 1,2,4-Trimethylbenzene	17.02	105	5386416	9.30	ppbv	97
75) 1,3-Dichlorobenzene	17.26	146	2991198	9.29	ppbv	99
76) 1,4-Dichlorobenzene	17.40	146	3051015	9.55	ppbv	100
77) 1,2-Dichlorobenzene	18.08	146	2995063	9.62	ppbv	99
78) Hexachloro-1,3-Butadiene	23.63	225	1796809	17.81	ppbv	99
79) Naphthalene	22.52	128	5229762	10.75	ppbv	99
80) Naphthalene, 2-methyl-	25.18	142	2487038	12.03	ppbv	99
81) 1,2,4-Trichlorobenzene	22.24	180	2461244	10.37	ppbv	100

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

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Tot Ion: 49 Resp: 1497754

Ion Ratio Lower Upper

49 100

128 39.5 20.1 60.2

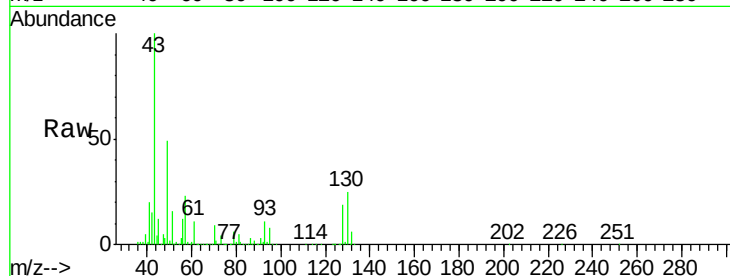
130 50.1 25.9 77.6

Manual Integrations

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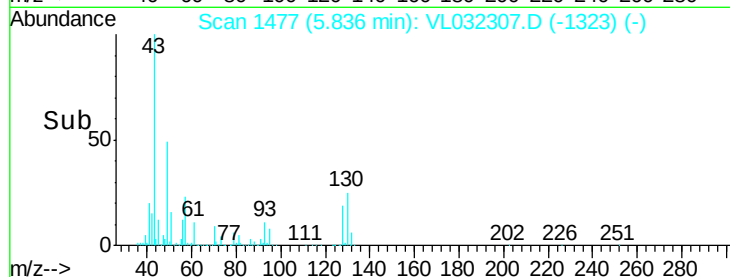


Abundance Ion 49.10 (48.80 to 49.80): VL0

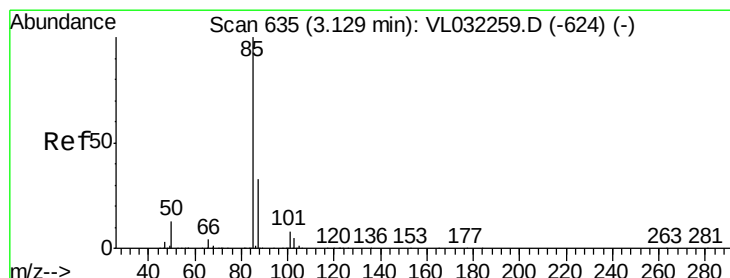
Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



Time-->



#2

Dichlorodifluoromethane

Concen: 6.06 ppbv

RT: 3.12 min Scan# 633

Delta R.T. -0.01 min

Lab File: VL032307.D

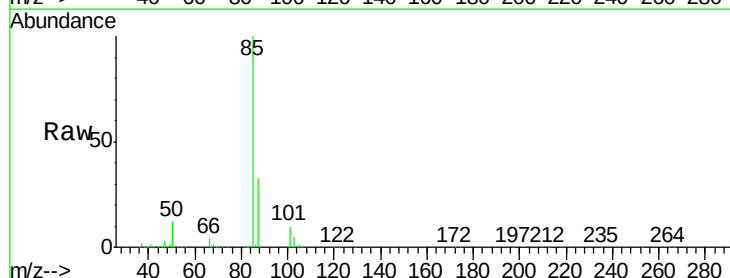
Acq: 20 Jul 2018 10:10

Tgt Ion: 85 Resp: 1542044

Ion Ratio Lower Upper

85 100

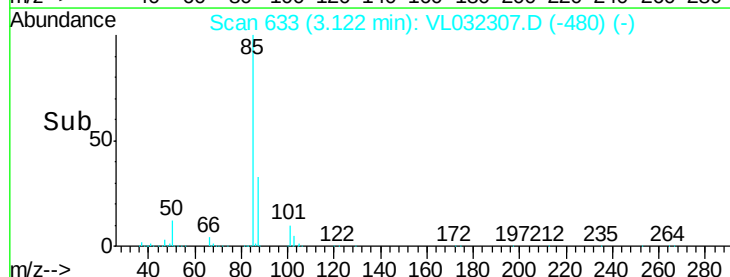
87 32.9 26.2 39.2



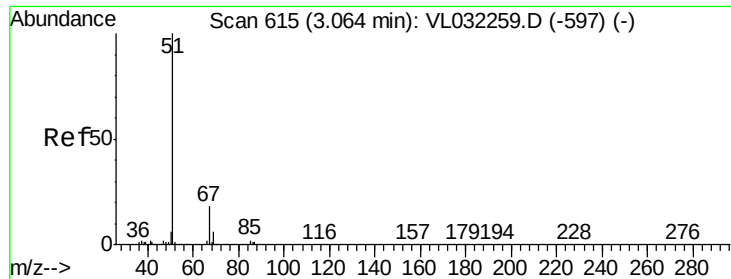
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time-->



Time-->



#3

Chlorodifluoromethane

Concen: 10.79 ppbv

RT: 3.06 min Scan# 613

Delta R.T. -0.01 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1813852

Ion Ratio Lower Upper

51 100

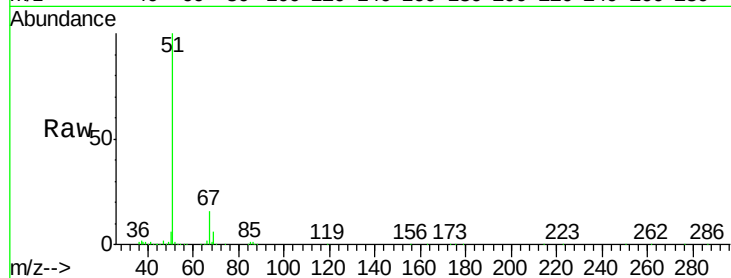
67 16.8 14.2 21.4

Manual Integrations

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

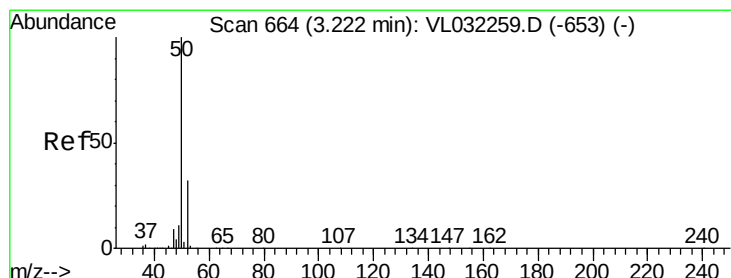
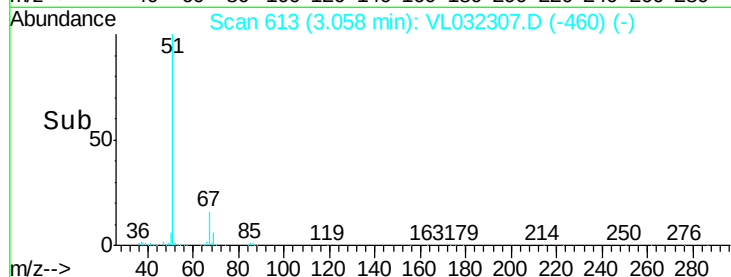
1500000

1000000

500000

0

Time-->



#4

Chloromethane

Concen: 11.16 ppbv

RT: 3.22 min Scan# 663

Delta R.T. -0.00 min

Lab File: VL032307.D

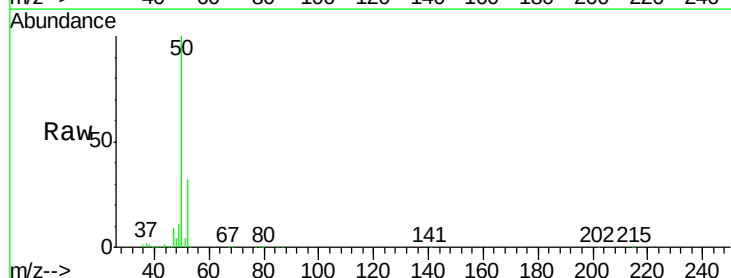
Acq: 20 Jul 2018 10:10

Tgt Ion: 50 Resp: 1104181

Ion Ratio Lower Upper

50 100

52 32.4 25.3 37.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

800000

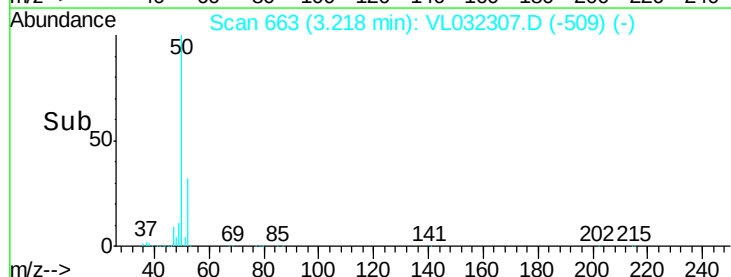
600000

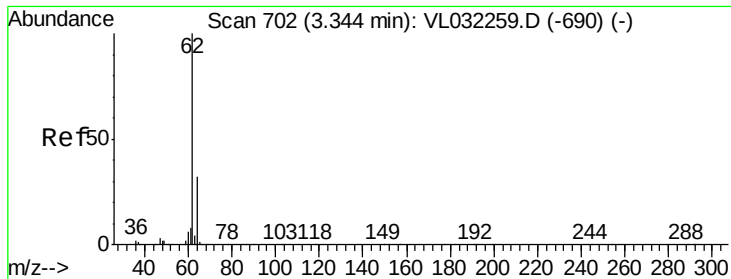
400000

200000

0

Time-->





#5

Vinyl Chloride

Concen: 11.01 ppbv

RT: 3.34 min Scan# 701

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 1033029

Ion Ratio Lower Upper

62 100

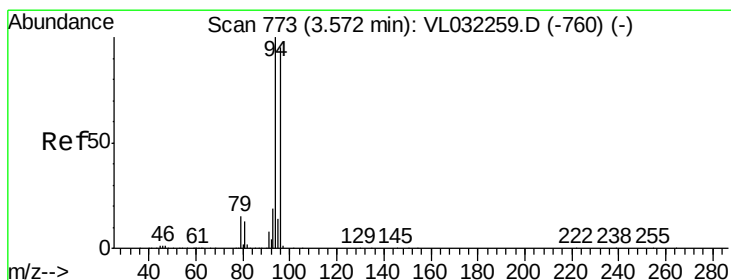
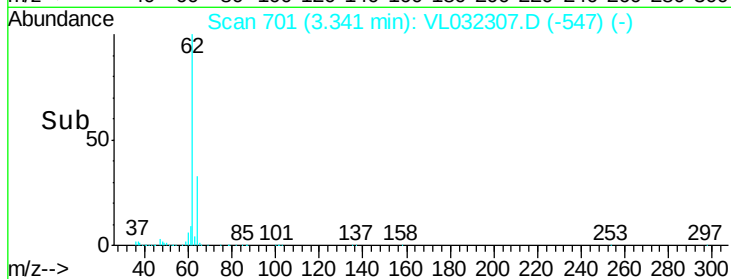
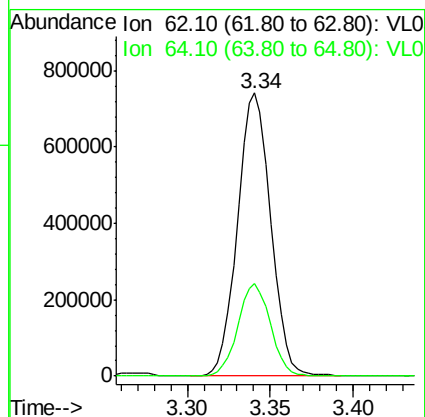
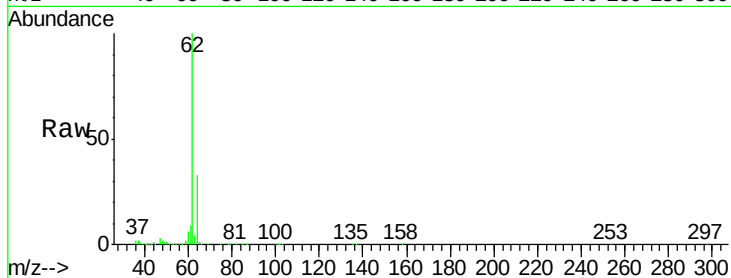
64 32.6 25.3 37.9

Manual Integrations

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#6

Bromomethane

Concen: 10.81 ppbv

RT: 3.57 min Scan# 771

Delta R.T. -0.01 min

Lab File: VL032307.D

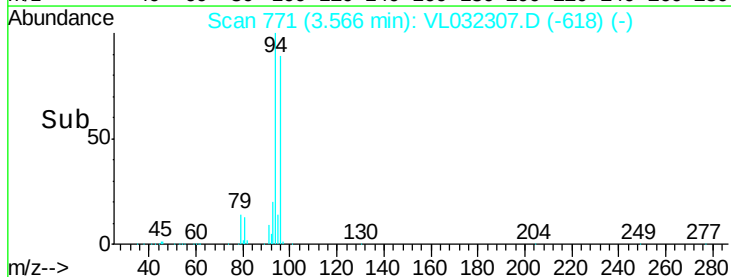
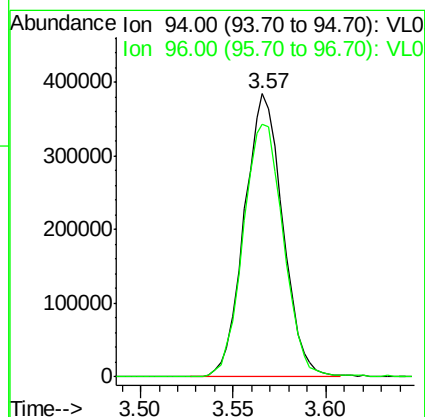
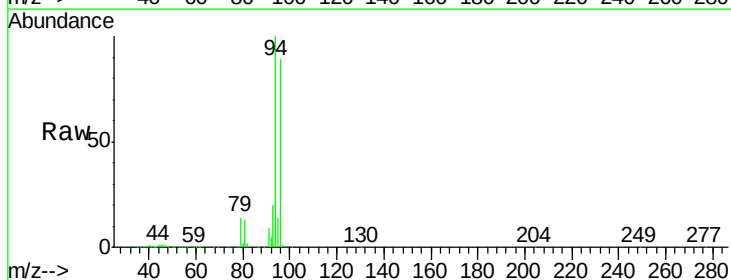
Acq: 20 Jul 2018 10:10

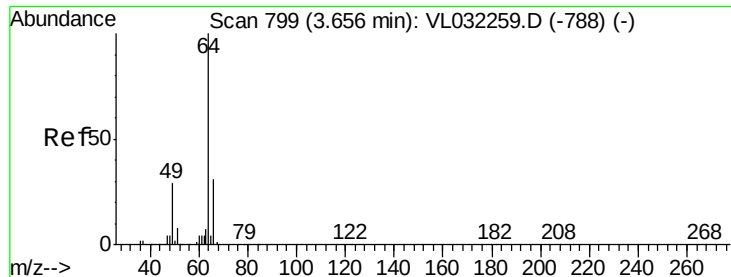
Tgt Ion: 94 Resp: 553036

Ion Ratio Lower Upper

94 100

96 89.4 76.1 114.1





#7

Chloroethane

Concen: 10.86 ppbv

RT: 3.65 min Scan# 798

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 361167

Ion Ratio Lower Upper

64 100

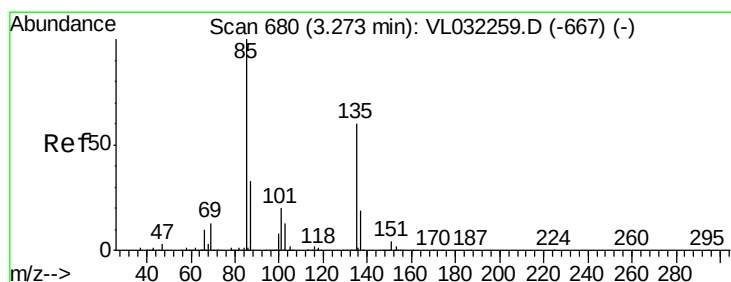
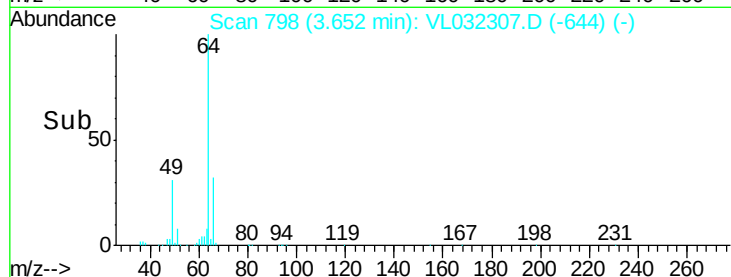
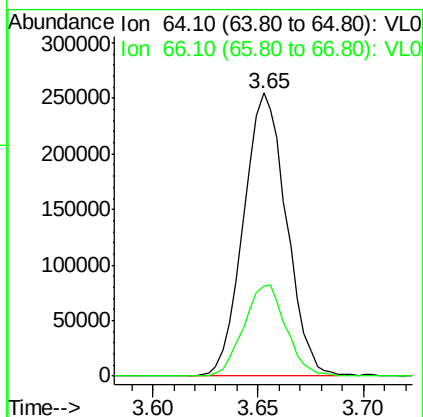
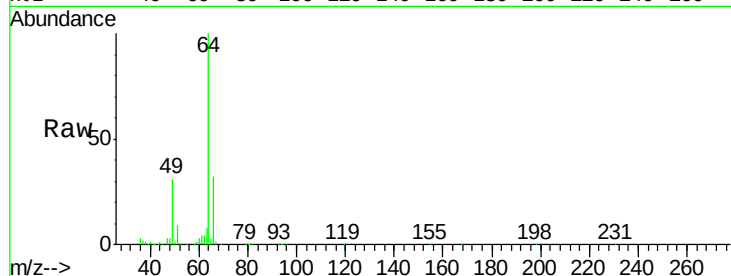
66 31.9 25.0 37.4

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 10.02 ppbv

RT: 3.27 min Scan# 678

Delta R.T. -0.01 min

Lab File: VL032307.D

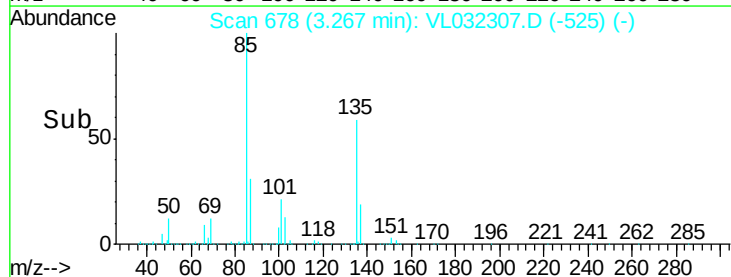
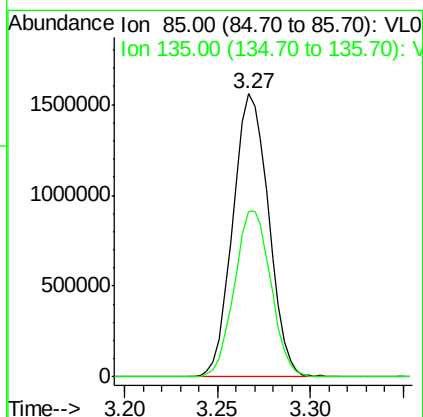
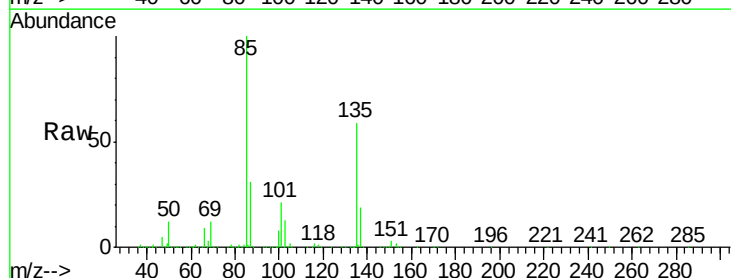
Acq: 20 Jul 2018 10:10

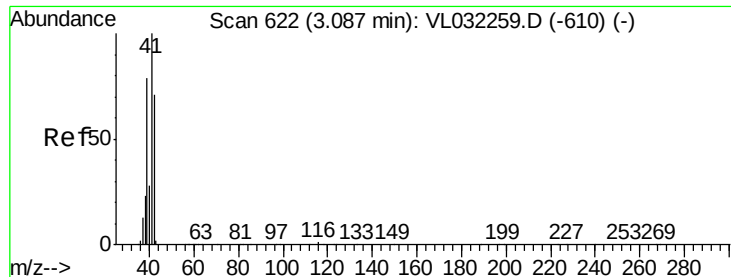
Tgt Ion: 85 Resp: 2082098

Ion Ratio Lower Upper

85 100

135 60.1 47.8 71.8





#9

Propene

Concen: 12.30 ppbv

RT: 3.08 min Scan# 620

Delta R.T. -0.01 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 41 Resp: 903860

Ion Ratio Lower Upper

41 100

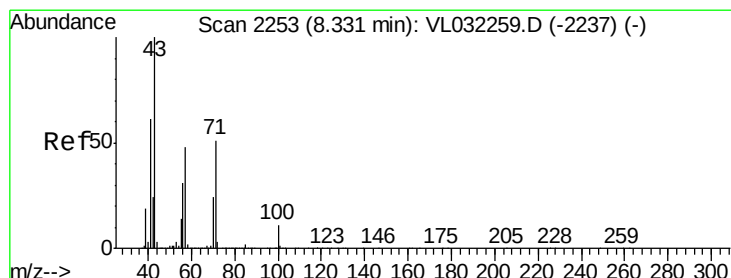
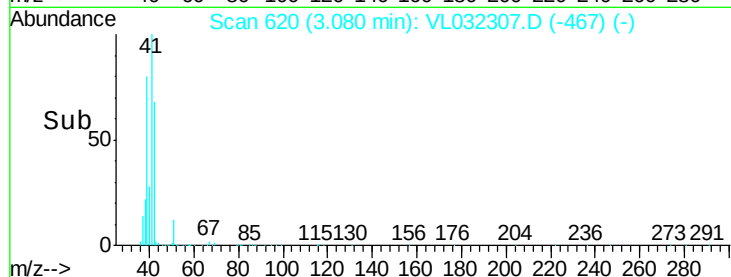
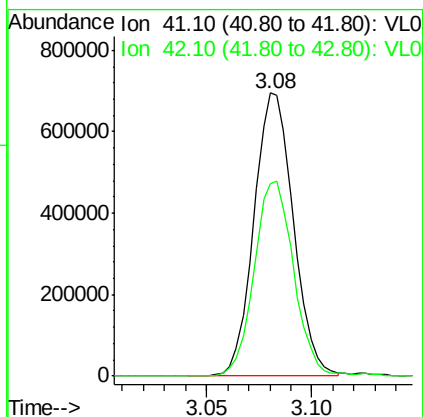
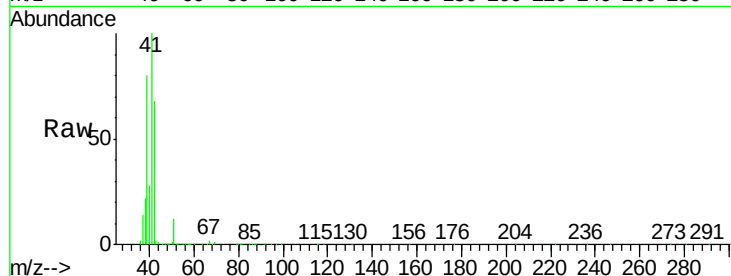
42 69.8 56.2 84.4

Manual Integrations

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#10

Heptane

Concen: 13.17 ppbv

RT: 8.33 min Scan# 2252

Delta R.T. -0.00 min

Lab File: VL032307.D

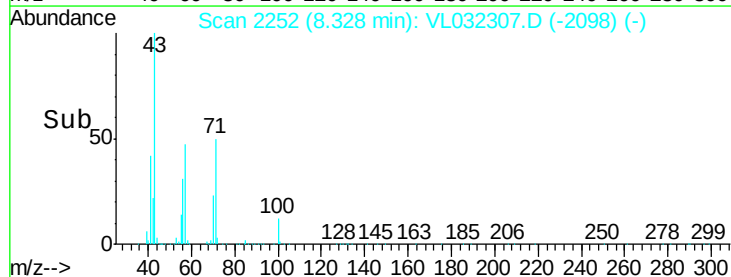
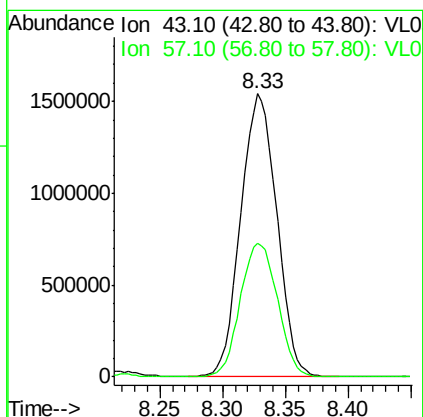
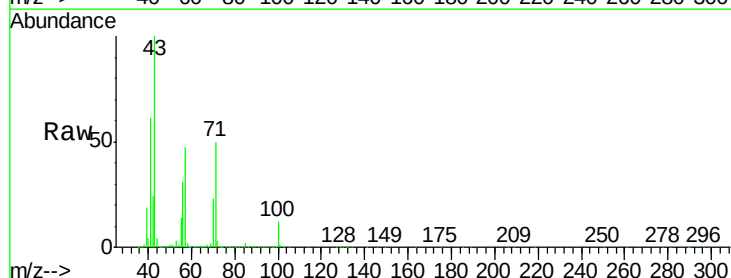
Acq: 20 Jul 2018 10:10

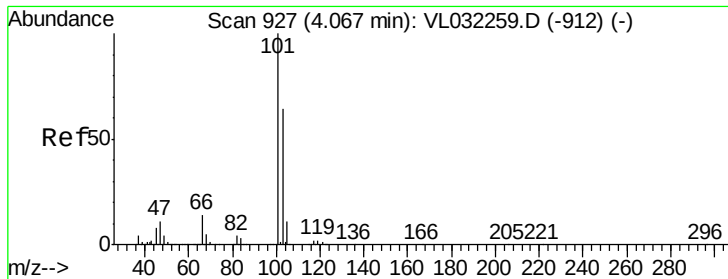
Tgt Ion: 43 Resp: 3074979

Ion Ratio Lower Upper

43 100

57 48.8 39.9 59.9





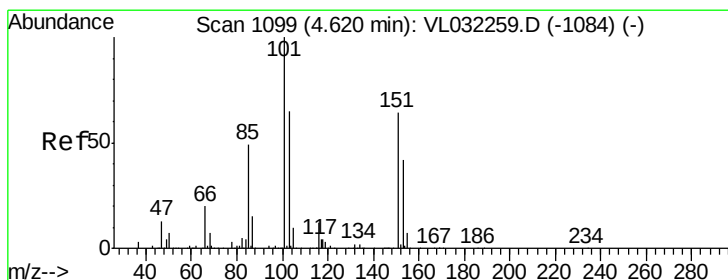
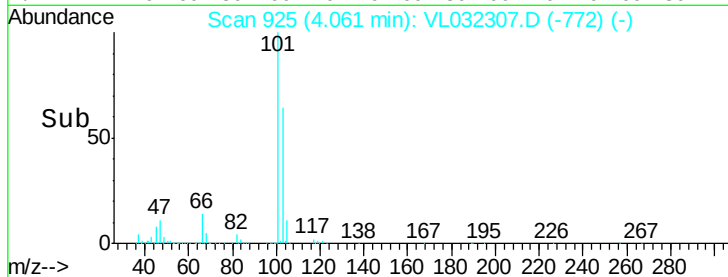
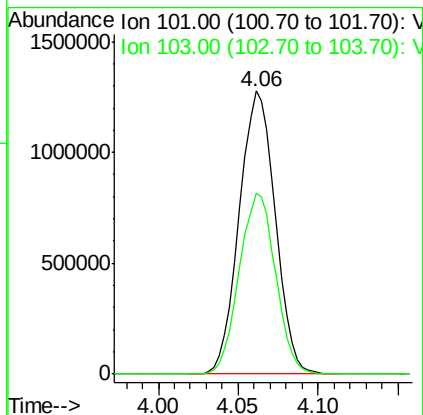
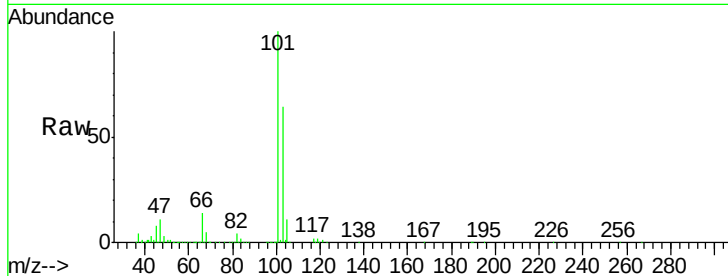
#11
 Trichlorofluoromethane
 Concen: 9.83 ppbv
 RT: 4.06 min Scan# 925
 Delta R.T. -0.01 min
 Lab File: VL032307.D
 Acq: 20 Jul 2018 10:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 1958352
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.5 77.3

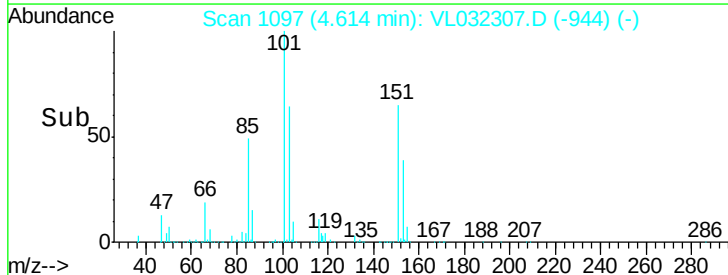
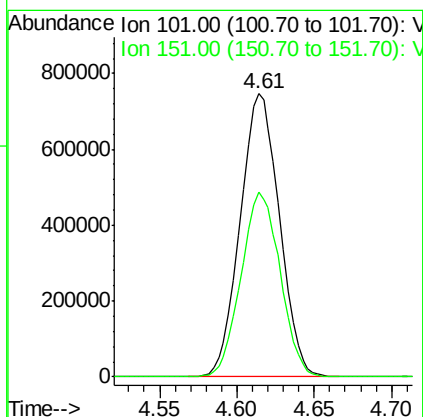
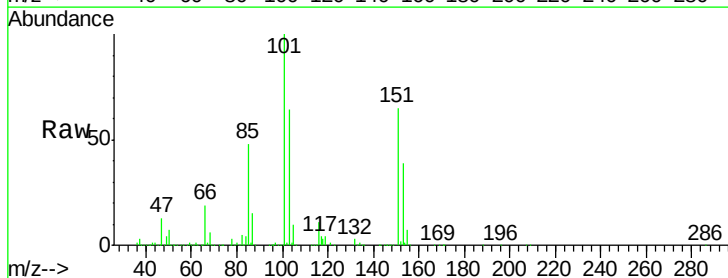
Manual Integrations
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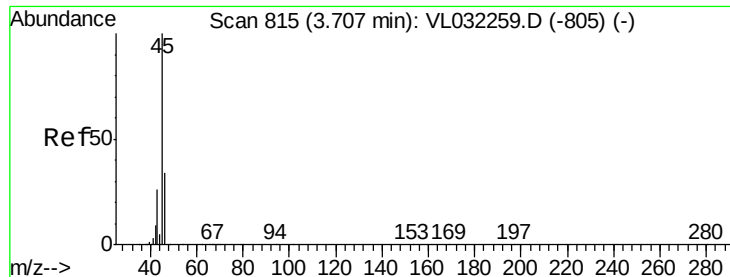
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.39 ppbv
 RT: 4.61 min Scan# 1097
 Delta R.T. -0.01 min
 Lab File: VL032307.D
 Acq: 20 Jul 2018 10:10

Tgt Ion:101 Resp: 1319743
 Ion Ratio Lower Upper
 101 100
 151 65.1 51.3 76.9





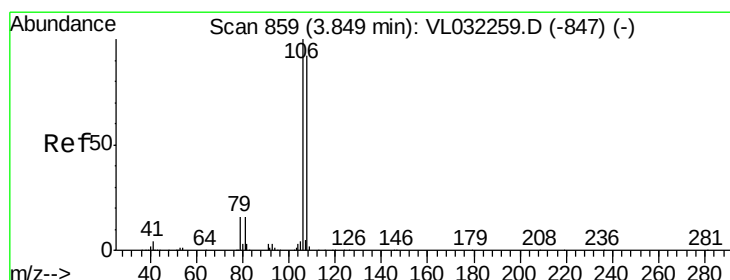
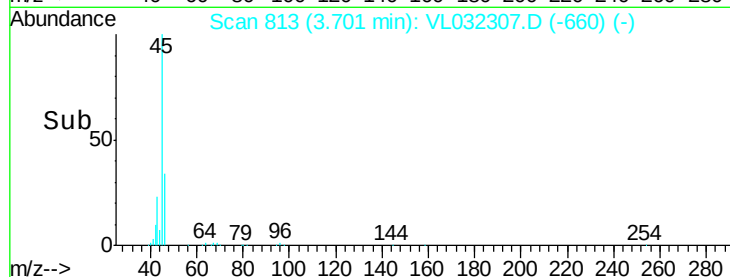
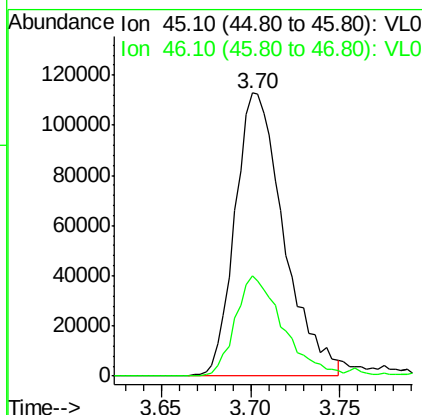
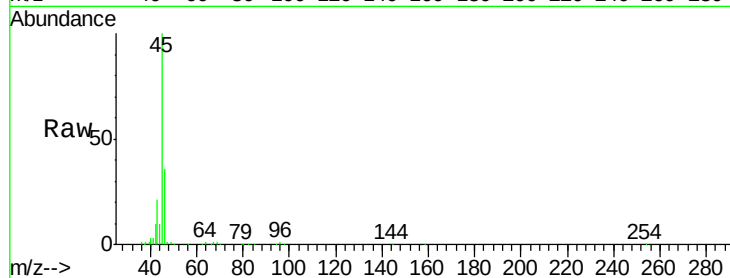
#13
Ethanol
Concen: 10.27 ppbv
RT: 3.70 min Scan# 813
Delta R.T. -0.01 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	45	Resp	215574
Ion Ratio	100	Lower	Upper
46	36.3	15.2	60.8

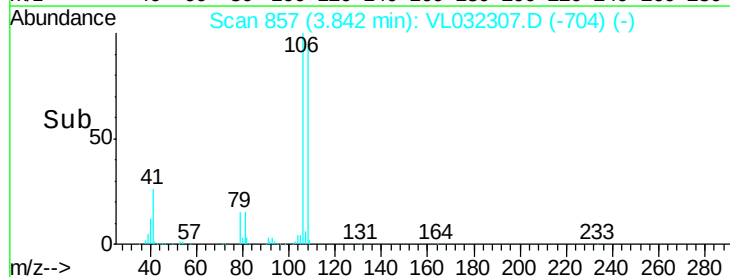
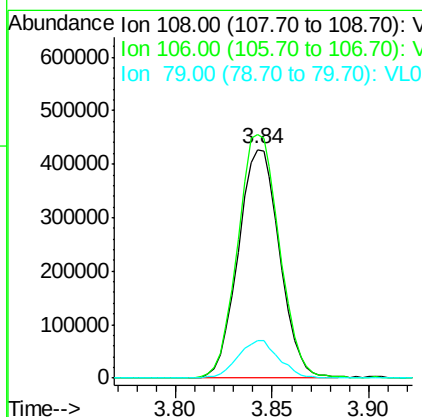
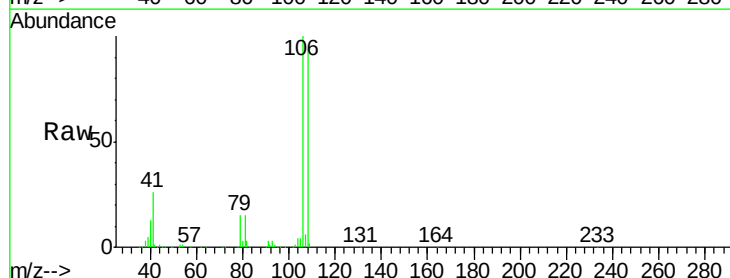
Manual Integrations
APPROVED

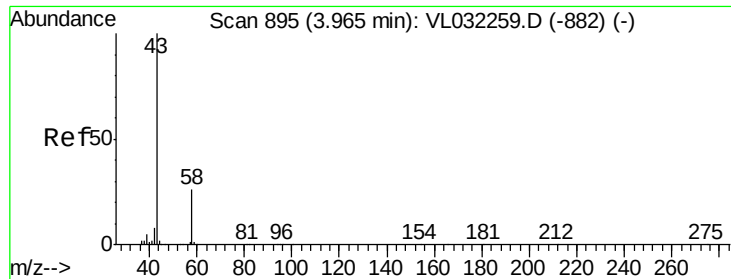
MMDadoda
7/20/2018 2:06:32 PM



#14
Bromoethene
Concen: 11.11 ppbv
RT: 3.84 min Scan# 857
Delta R.T. -0.01 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Tgt Ion	108	Resp	636068
Ion Ratio	100	Lower	Upper
106	107.9	86.2	129.4
79	16.7	14.0	21.0





#15

Acetone

Concen: 10.07 ppbv

RT: 3.96 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1578773

Ion Ratio Lower Upper

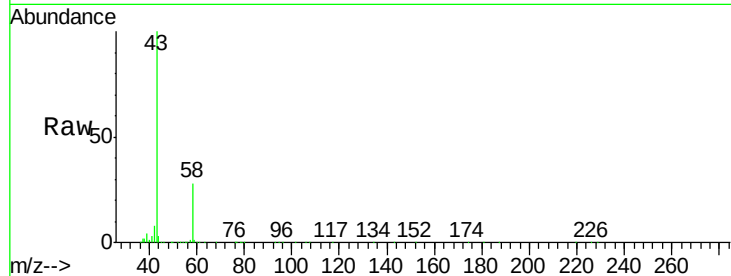
43 100

58 27.8 21.8 32.6

Manual Integrations
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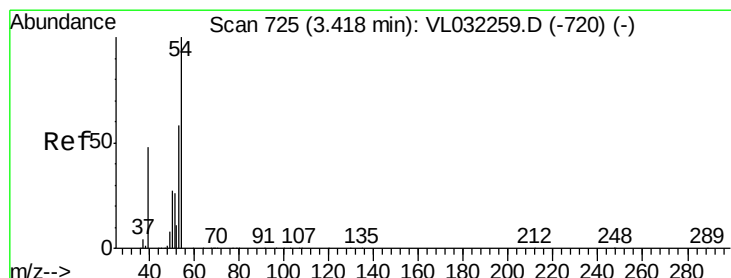
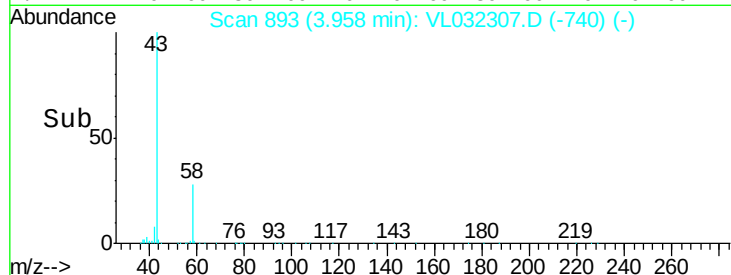
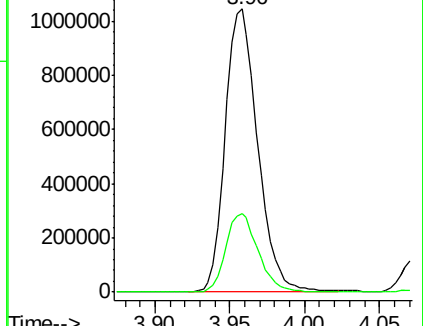
MMDadoda

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 11.17 ppbv

RT: 3.41 min Scan# 724

Delta R.T. -0.00 min

Lab File: VL032307.D

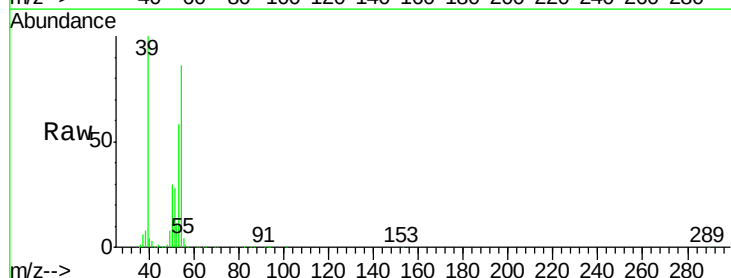
Acq: 20 Jul 2018 10:10

Tgt Ion: 39 Resp: 891775

Ion Ratio Lower Upper

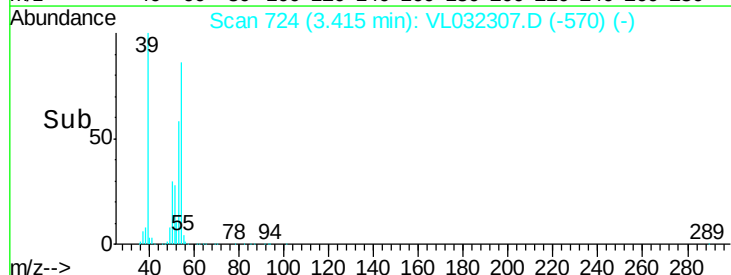
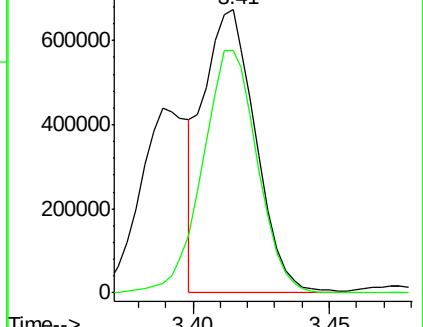
39 100

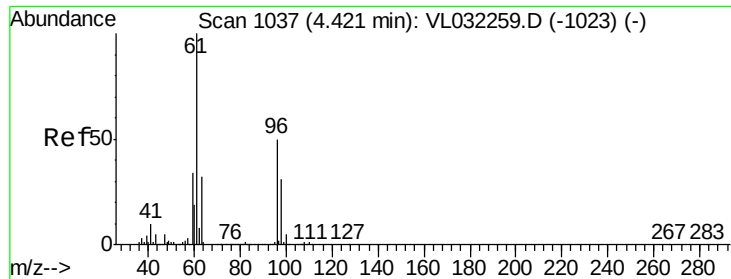
54 90.8 70.6 105.8



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

tert-Butyl alcohol

Concen: 11.58 ppbv

RT: 4.41 min Scan# 1035

Delta R.T. -0.01 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 59 Resp: 572512

Ion Ratio Lower Upper

59 100

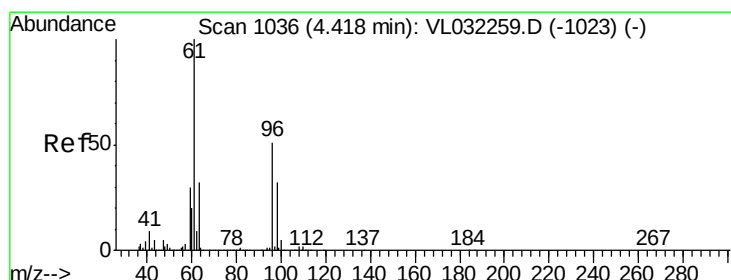
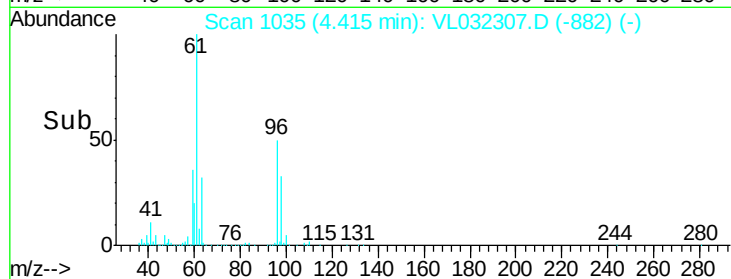
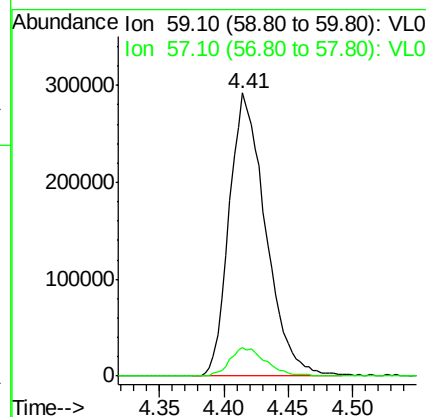
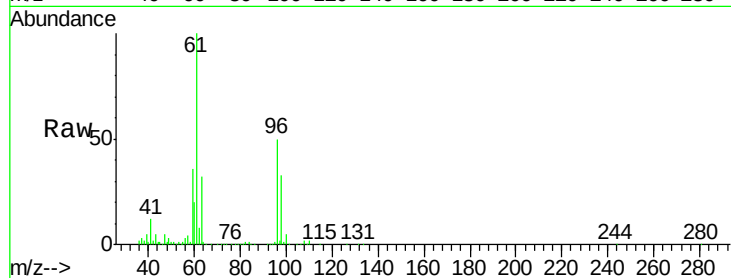
57 10.1 8.2 12.4

Manual Integrations

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#18

1,1-Dichloroethene

Concen: 10.71 ppbv

RT: 4.41 min Scan# 1034

Delta R.T. -0.01 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

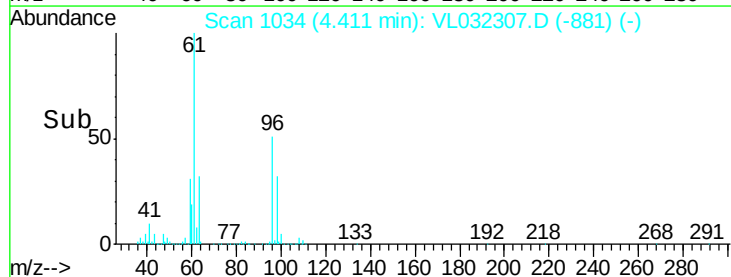
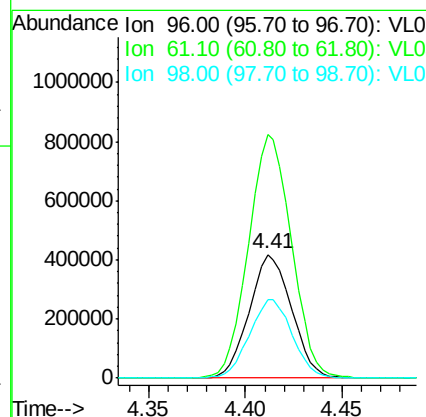
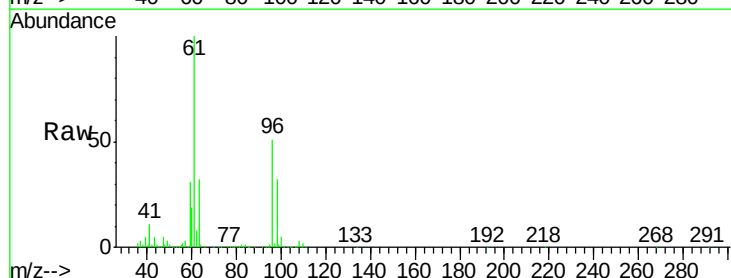
Tgt Ion: 96 Resp: 635128

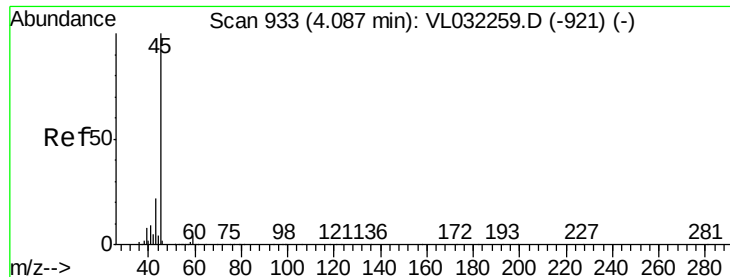
Ion Ratio Lower Upper

96 100

61 197.3 157.2 235.8

98 63.1 50.1 75.1





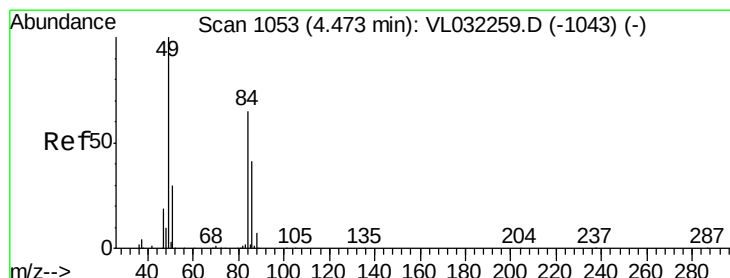
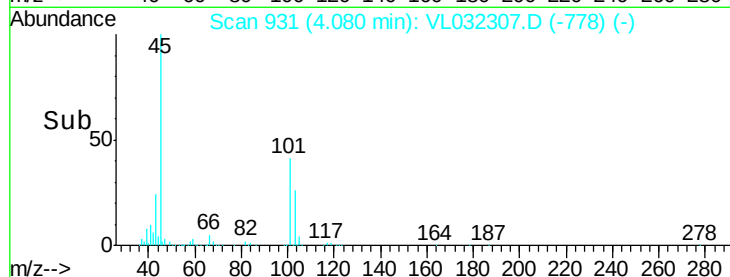
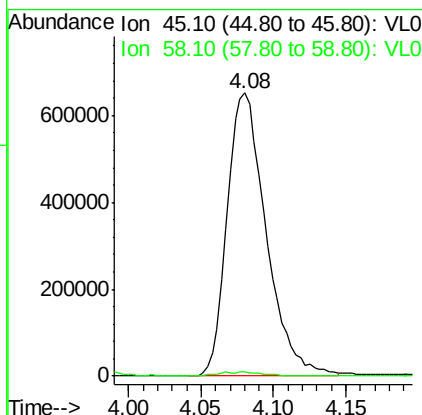
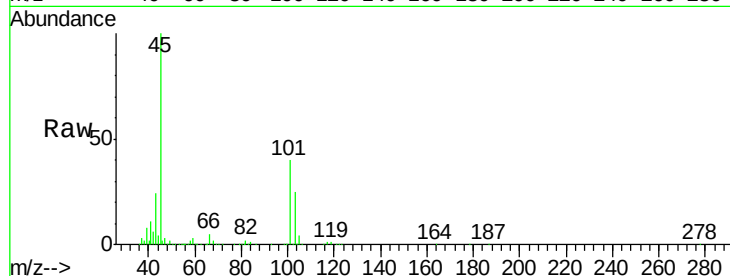
#19
Isopropyl Alcohol
Concen: 11.47 ppbv
RT: 4.08 min Scan# 931
Delta R.T. -0.01 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 1216020
Ion Ratio Lower Upper
45 100
58 1.8 1.5 2.3

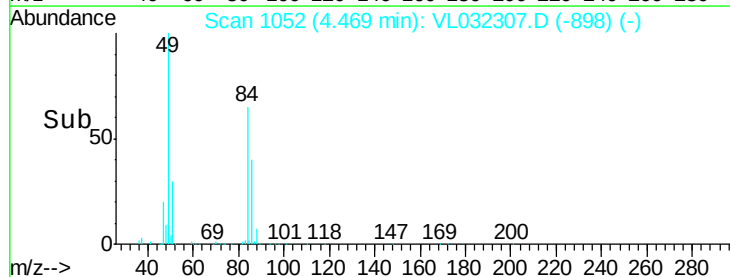
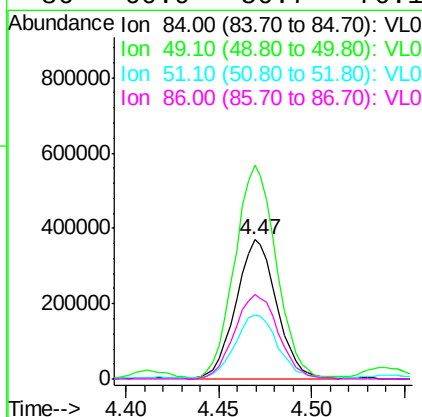
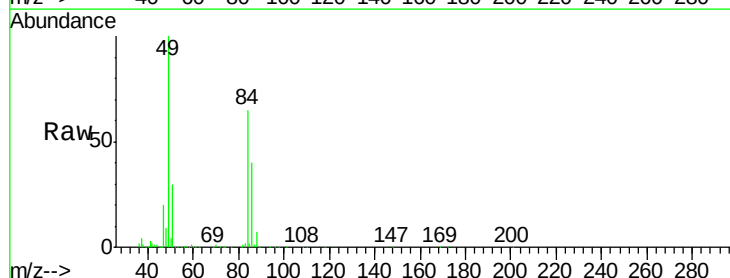
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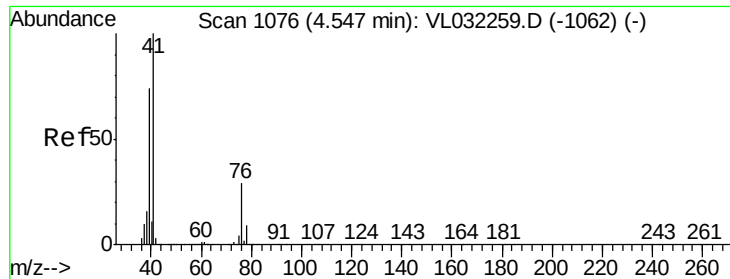
MMDadoda
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#20
Methylene Chloride
Concen: 9.27 ppbv
RT: 4.47 min Scan# 1052
Delta R.T. -0.00 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Tgt Ion: 84 Resp: 559590
Ion Ratio Lower Upper
84 100
49 153.0 122.4 183.6
51 45.8 36.8 55.2
86 60.9 50.7 76.1





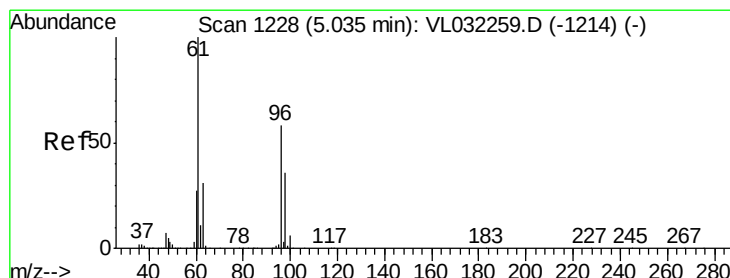
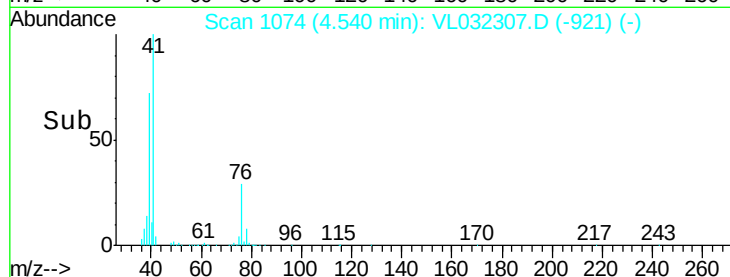
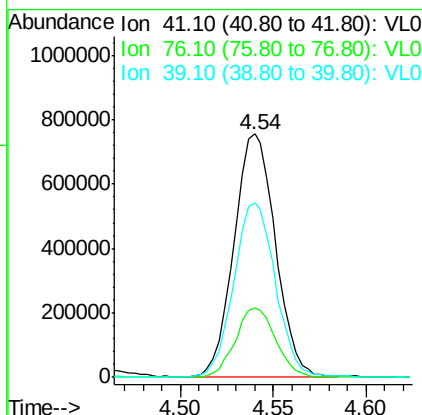
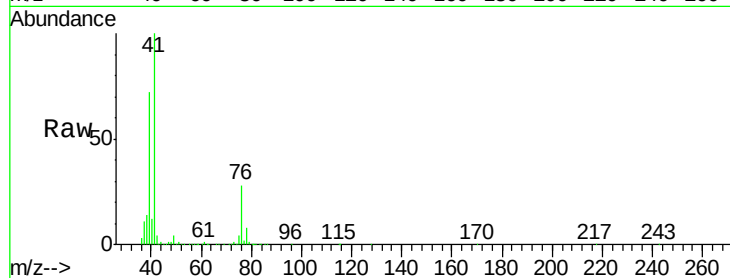
#21
Allvl Chloride
Concen: 11.28 ppbv
RT: 4.54 min Scan# 1074
Delta R.T. -0.01 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 1164569
Ion Ratio Lower Upper
41 100
76 28.1 23.0 34.6
39 72.3 60.2 90.4

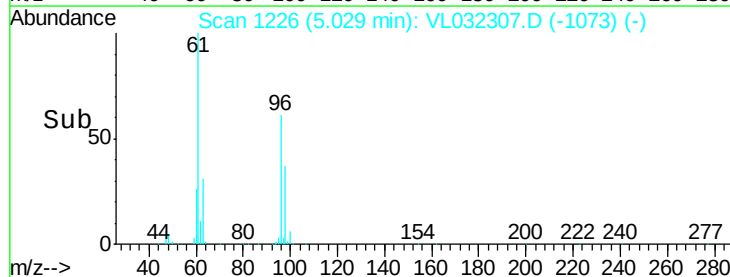
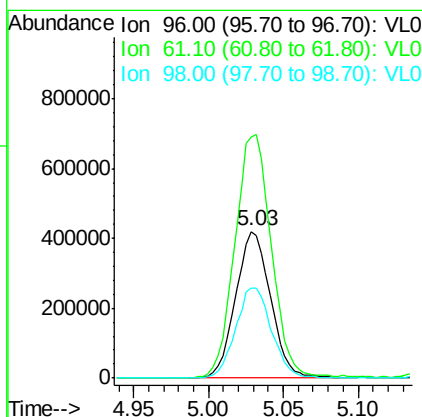
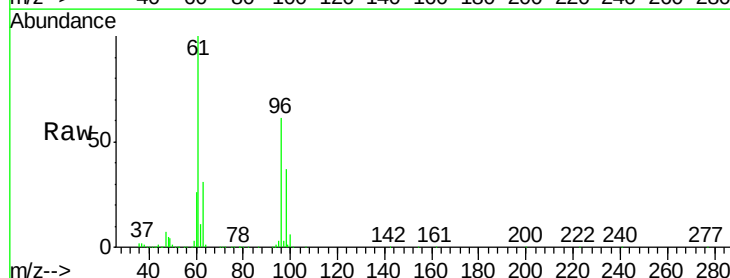
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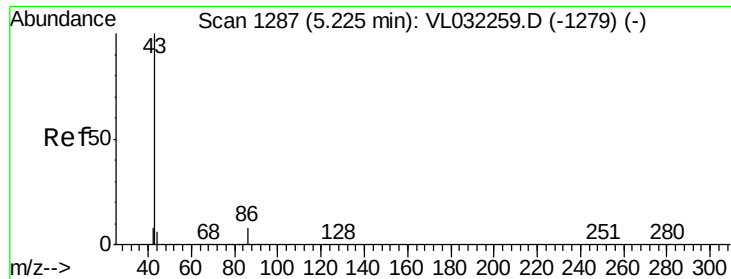
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 11.08 ppbv
RT: 5.03 min Scan# 1226
Delta R.T. -0.01 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Tgt Ion: 96 Resp: 682132
Ion Ratio Lower Upper
96 100
61 164.8 137.4 206.0
98 61.2 49.6 74.4





#23

Vinyl Acetate

Concen: 11.76 ppbv

RT: 5.22 min Scan# 1286

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleID :

VSTDCCC010EC

Tot Ion: 43 Resp: 3306765

Ion Ratio Lower Upper

43 100

86 7.4 5.9 8.9

42 8.8 7.3 10.9

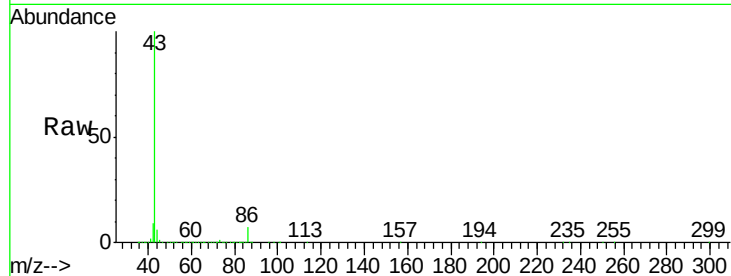
44 5.4 4.4 6.6

Manual Integrations

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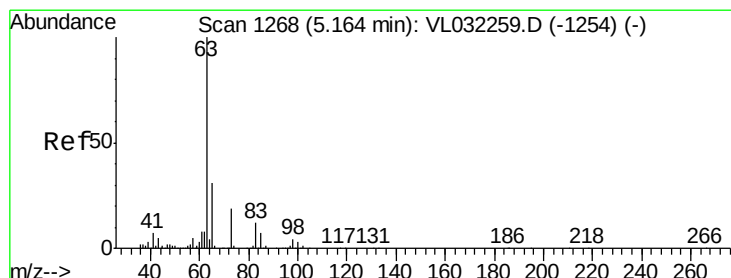
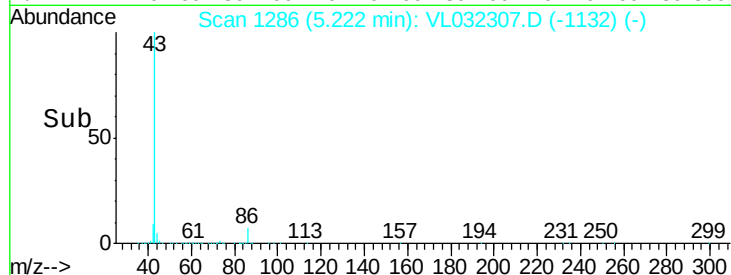
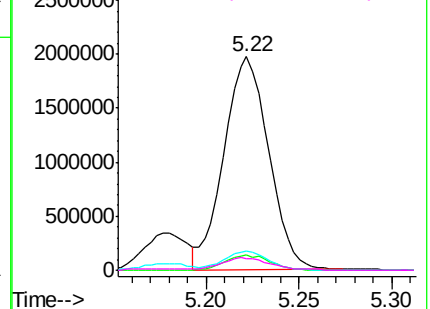


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.71 ppbv

RT: 5.16 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

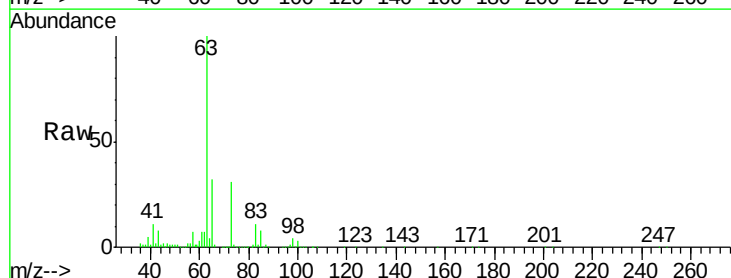
Tgt Ion: 63 Resp: 2184372

Ion Ratio Lower Upper

63 100

98 4.0 2.1 6.3

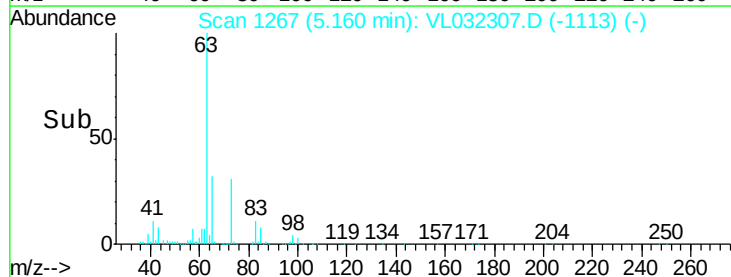
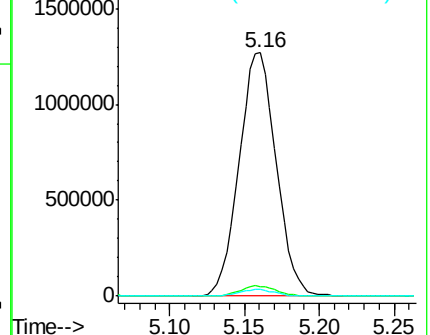
100 2.8 1.3 3.9

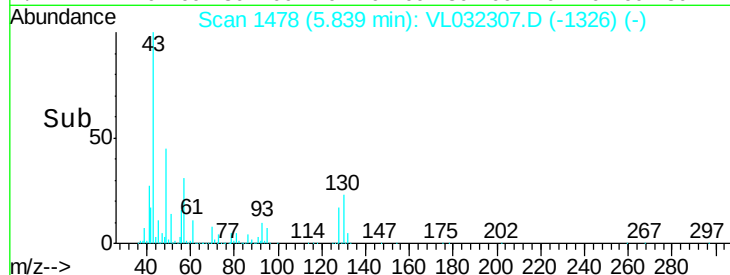
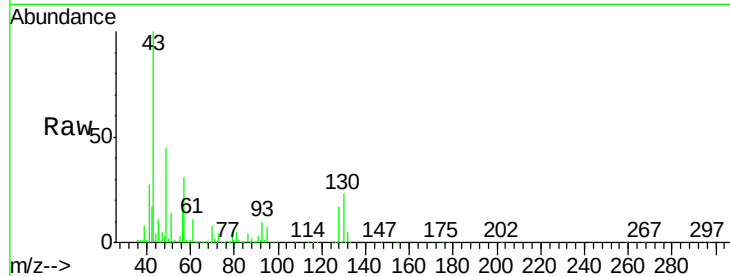
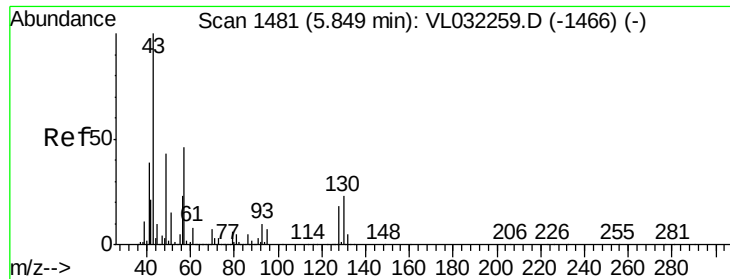


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





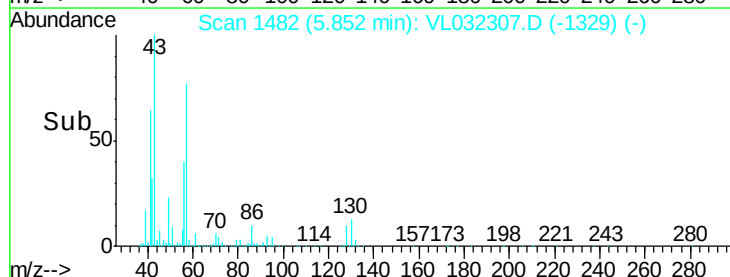
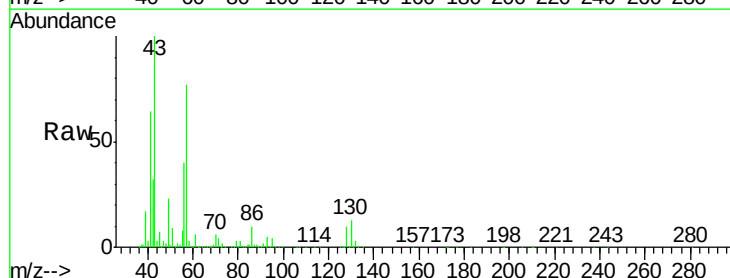
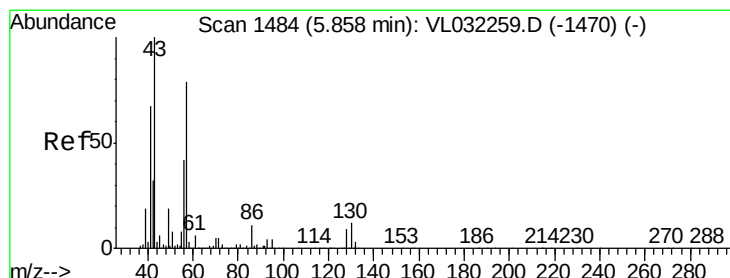
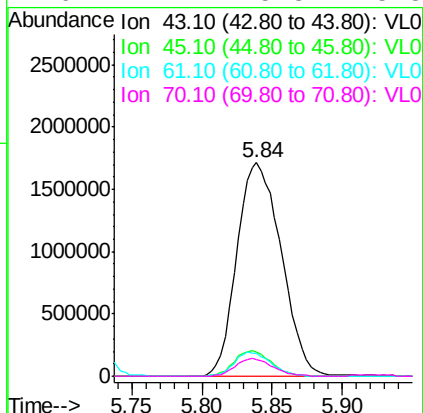
#25
Ethyl Acetate
Concen: 11.02 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Tot Ion	Ion	Ratio	Lower	Upper
43	100			
45	10.0	7.9	11.9	
61	9.2	7.6	11.4	
70	7.1	5.8	8.8	

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

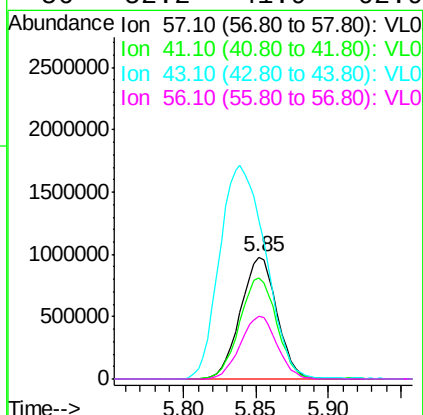
Manual Integrations
APPROVED

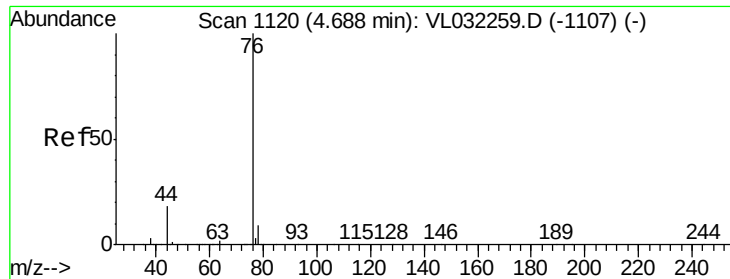
MMDadoda
7/20/2018 2:06:32 PM



#26
Hexane
Concen: 10.89 ppbv
RT: 5.85 min Scan# 1482
Delta R.T. -0.01 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	85.0	67.9	101.9	
43	221.8	175.9	263.9	
56	52.2	41.9	62.9	





#27

Carbon Disulfide

Concen: 11.85 ppbv

RT: 4.68 min Scan# 1119

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1646082

Ion Ratio Lower Upper

76 100

44 17.8 14.3 21.5

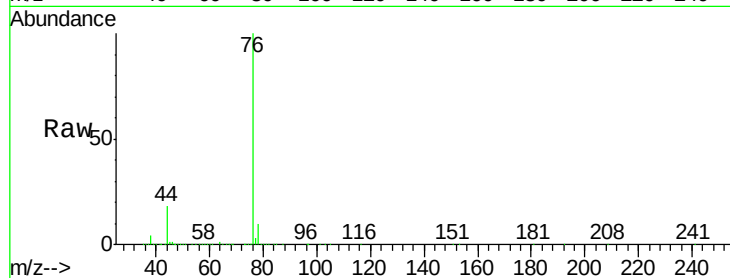
78 9.2 7.4 11.0

Manual Integrations

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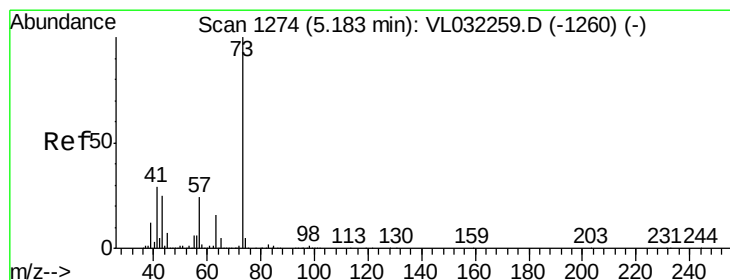
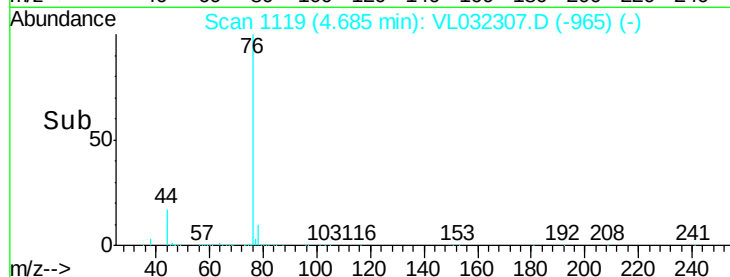
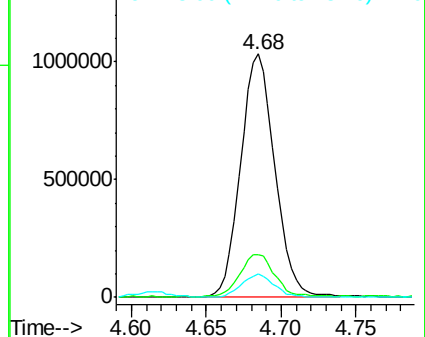
7/20/2018 2:06:32 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.06 ppbv

RT: 5.18 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VL032307.D

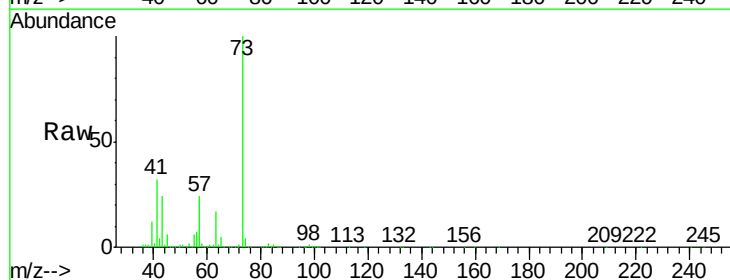
Acq: 20 Jul 2018 10:10

Tgt Ion: 73 Resp: 2571640

Ion Ratio Lower Upper

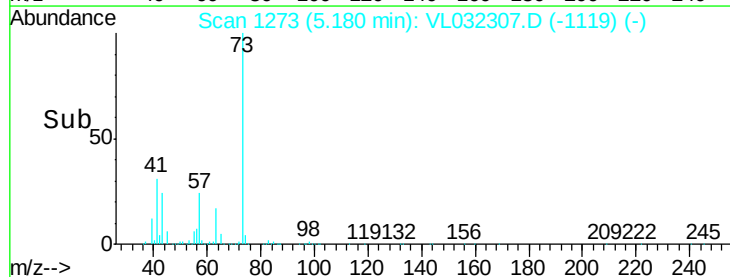
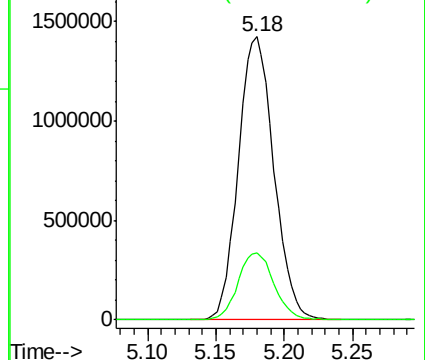
73 100

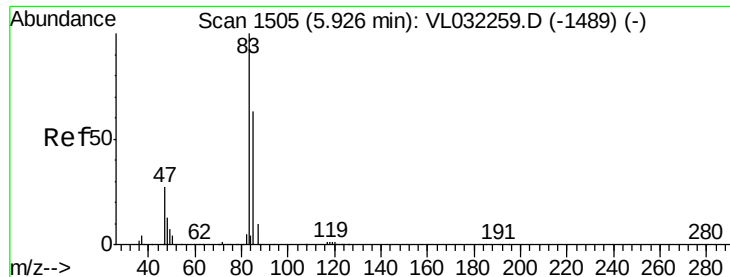
57 24.2 19.3 28.9



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





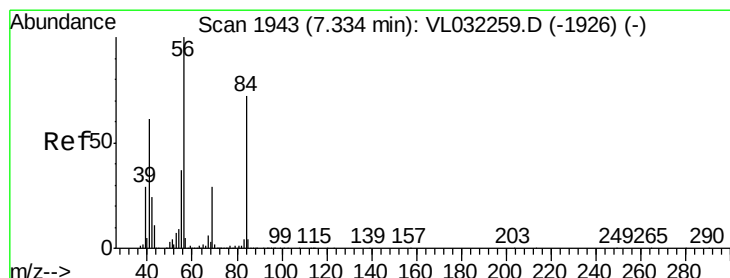
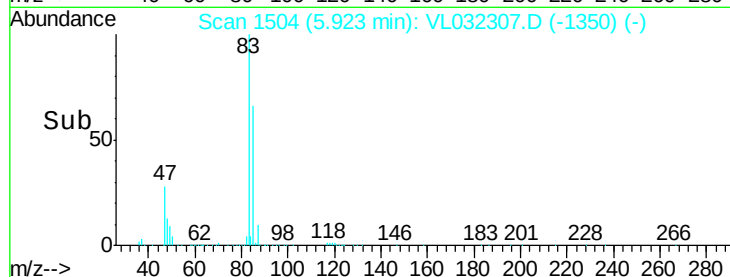
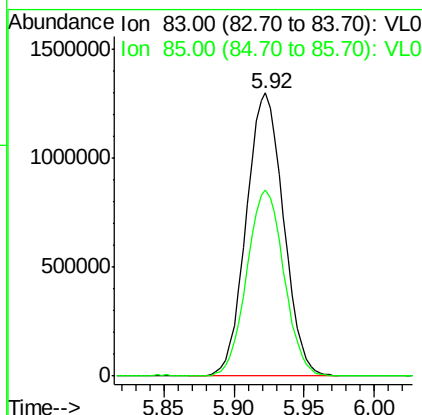
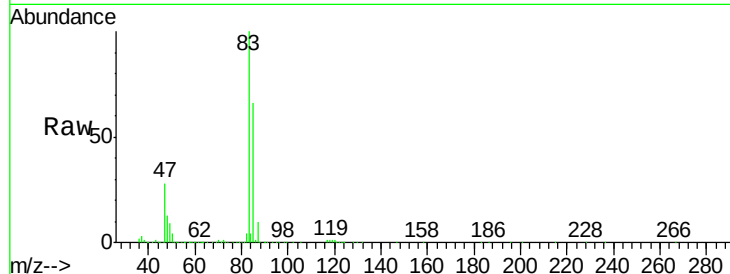
#29
Chloroform
Concen: 10.42 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2408615
Ion Ratio Lower Upper
83 100
85 65.5 50.7 76.1

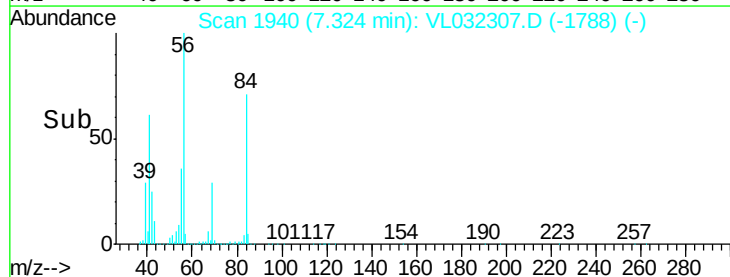
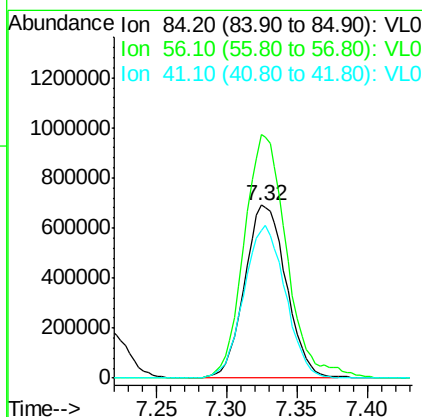
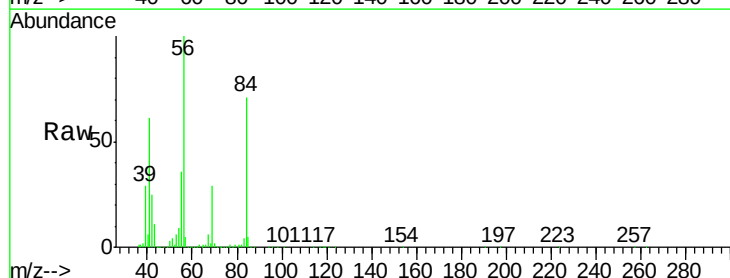
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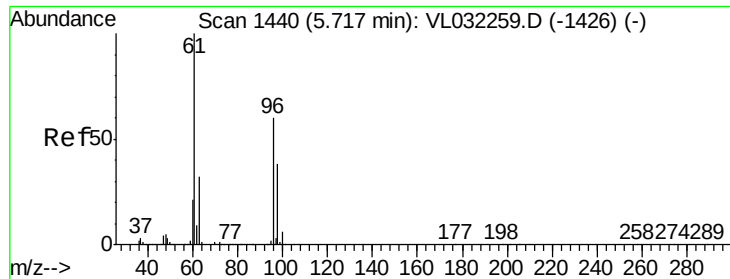
MMDadoda
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#30
Cyclohexane
Concen: 10.81 ppbv
RT: 7.32 min Scan# 1940
Delta R.T. -0.01 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Tgt Ion: 84 Resp: 1422561
Ion Ratio Lower Upper
84 100
56 144.9 115.6 173.4
41 88.3 68.7 103.1





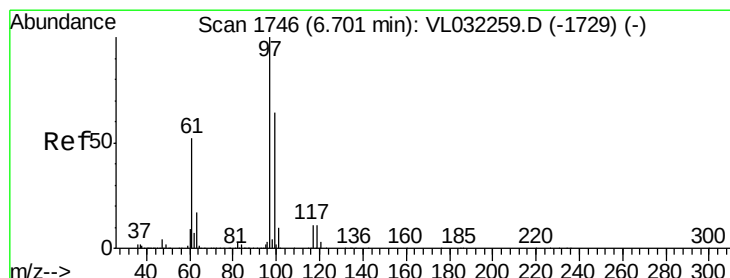
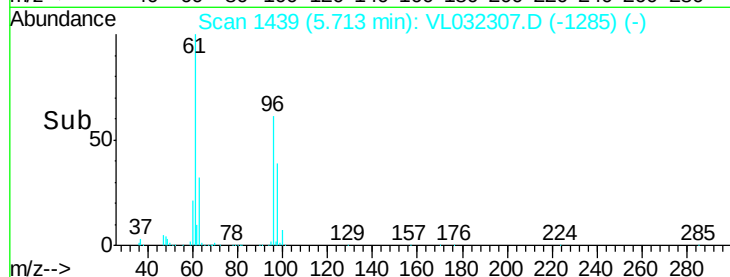
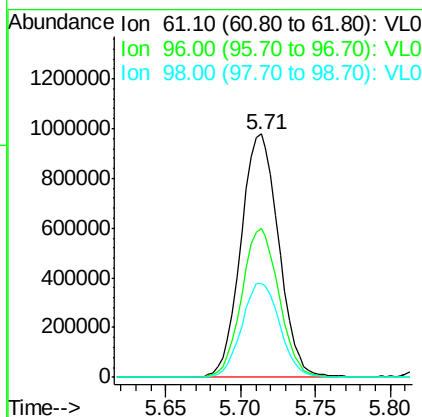
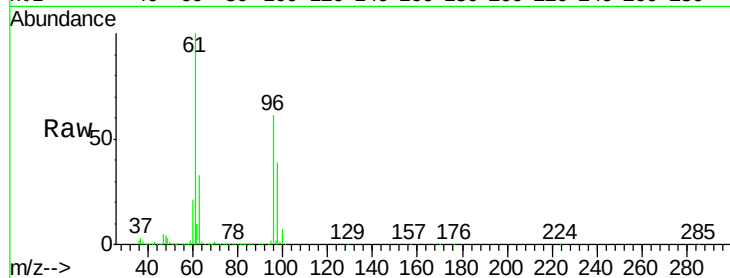
#31
 cis-1,2-Dichloroethene
 Concen: 11.47 ppbv
 RT: 5.71 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VL032307.D
 Acq: 20 Jul 2018 10:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.2	47.9	71.9
98	38.7	30.5	45.7

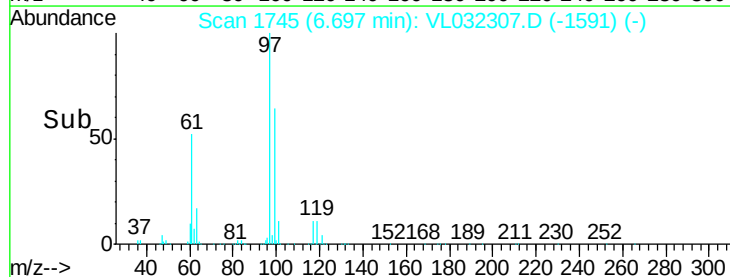
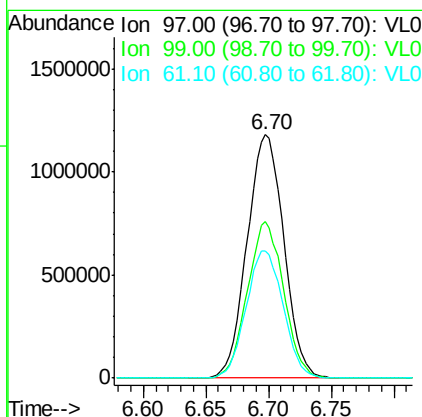
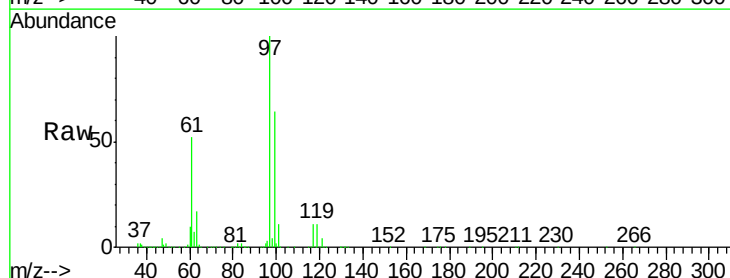
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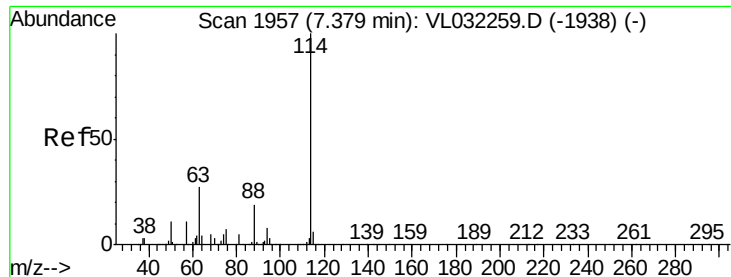
MMDadoda
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#32
 1,1,1-Trichloroethane
 Concen: 10.31 ppbv
 RT: 6.70 min Scan# 1745
 Delta R.T. -0.00 min
 Lab File: VL032307.D
 Acq: 20 Jul 2018 10:10

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.3	51.0	76.6
61	53.0	41.2	61.8





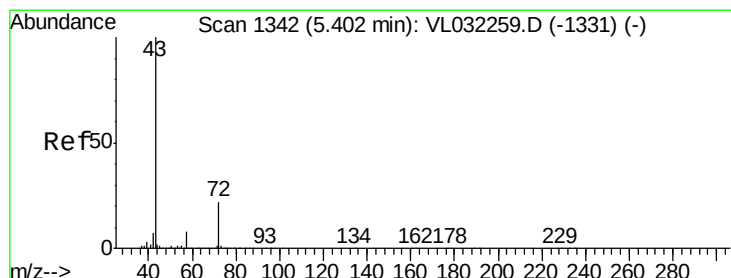
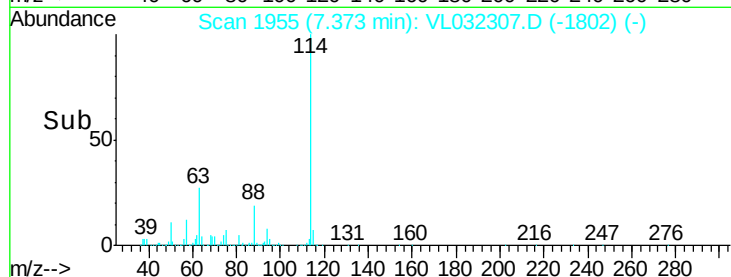
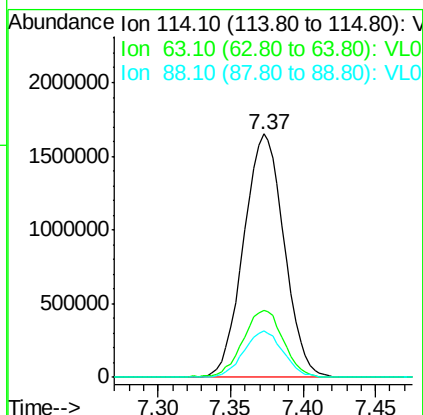
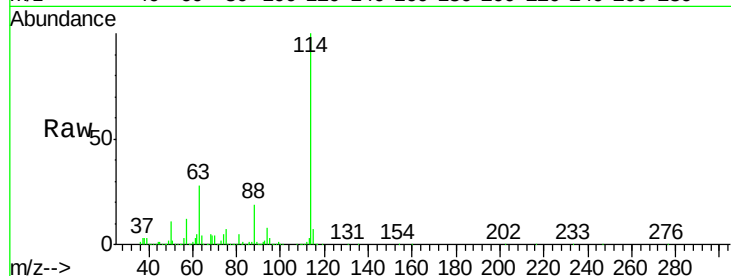
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.37 min Scan# 1955
 Delta R.T. -0.01 min
 Lab File: VL032307.D
 Acq: 20 Jul 2018 10:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.6	33.8
88	18.7	15.2	22.8

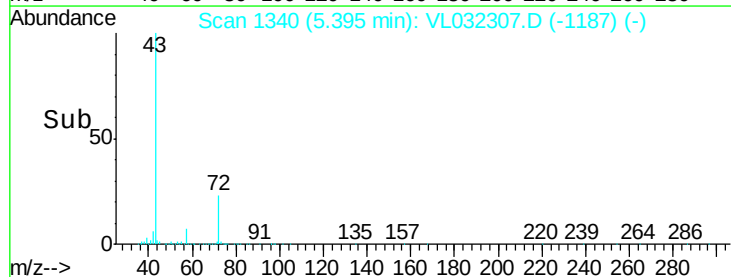
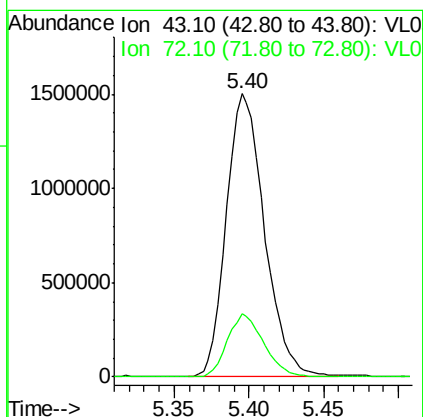
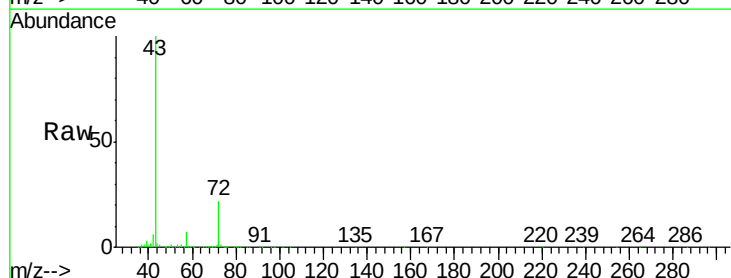
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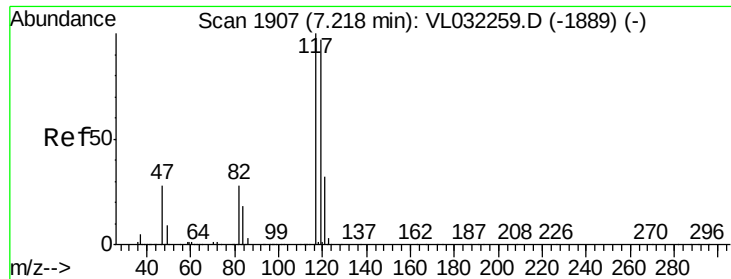
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#34
 2-Butanone
 Concen: 12.09 ppbv
 RT: 5.40 min Scan# 1340
 Delta R.T. -0.01 min
 Lab File: VL032307.D
 Acq: 20 Jul 2018 10:10

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.6	17.7	26.5





#35

Carbon Tetrachloride

Concen: 10.91 ppbv

RT: 7.22 min Scan# 1906

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2403862

Ion Ratio Lower Upper

117 100

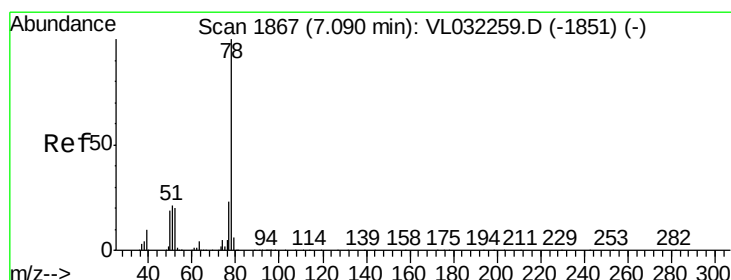
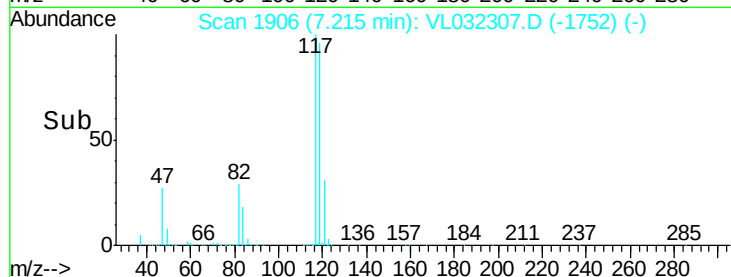
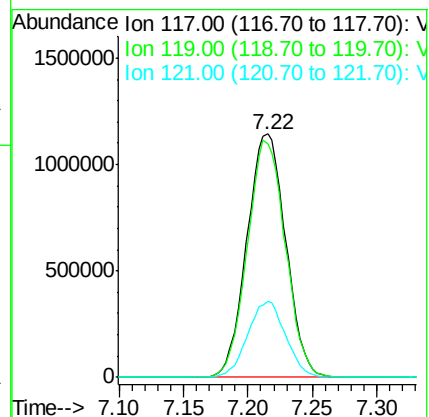
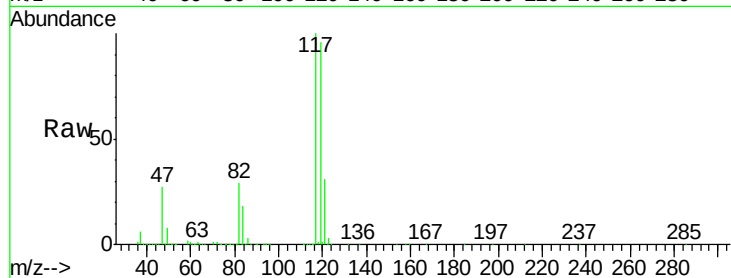
119 96.0 77.4 116.0

121 31.2 25.4 38.2

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#36

Benzene

Concen: 11.51 ppbv

RT: 7.09 min Scan# 1866

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

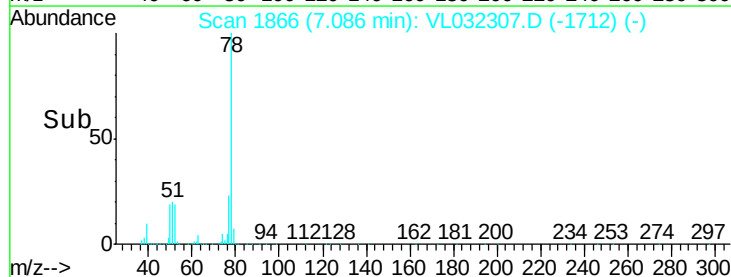
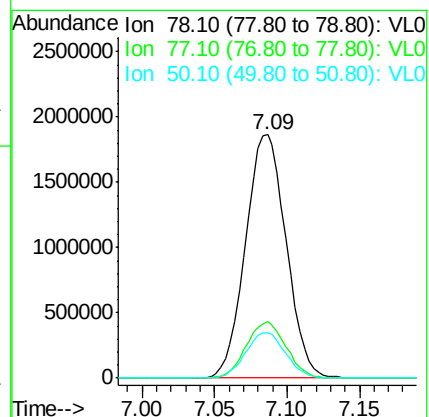
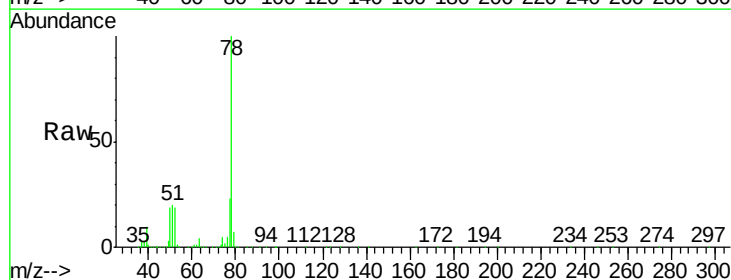
Tgt Ion: 78 Resp: 3629041

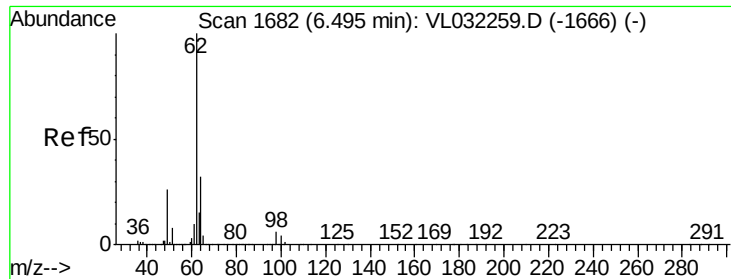
Ion Ratio Lower Upper

78 100

77 23.1 18.6 27.8

50 18.5 15.0 22.6





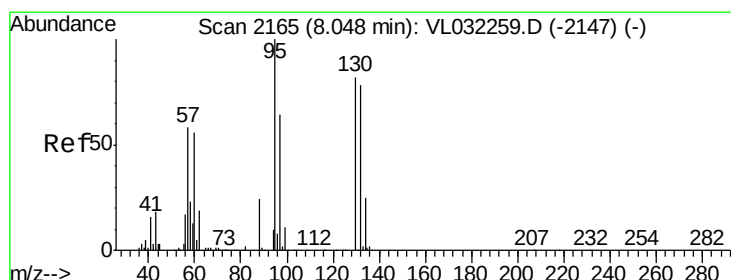
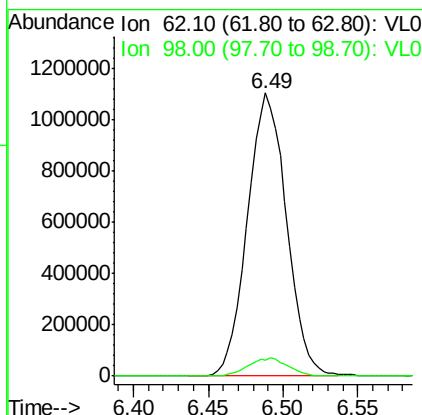
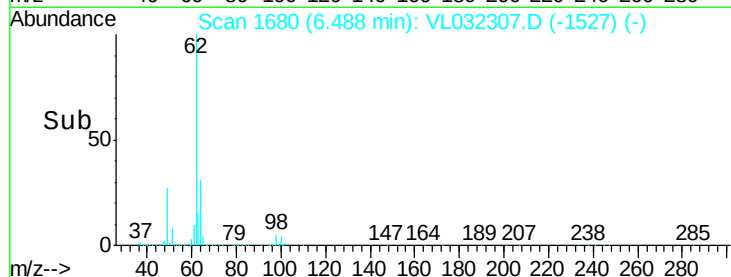
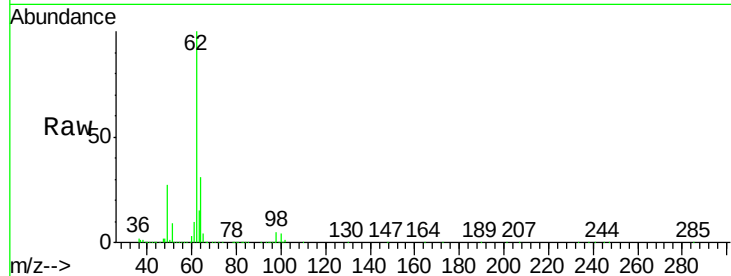
#37
 1,2-Dichloroethane
 Concen: 10.76 ppbv
 RT: 6.49 min Scan# 1680
 Delta R.T. -0.01 min
 Lab File: VL032307.D
 Acq: 20 Jul 2018 10:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 2003800
 Ion Ratio Lower Upper
 62 100
 98 6.5 4.9 7.3

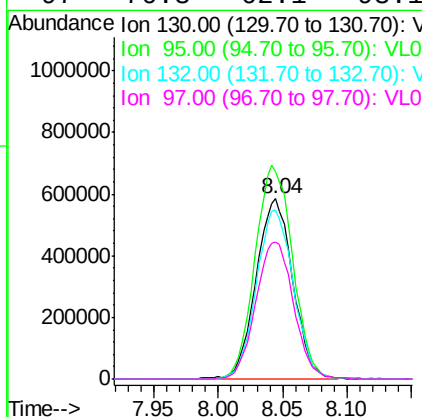
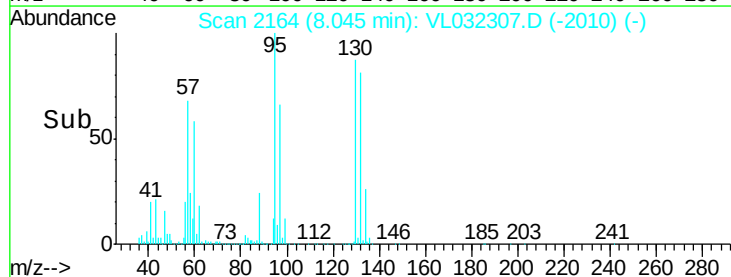
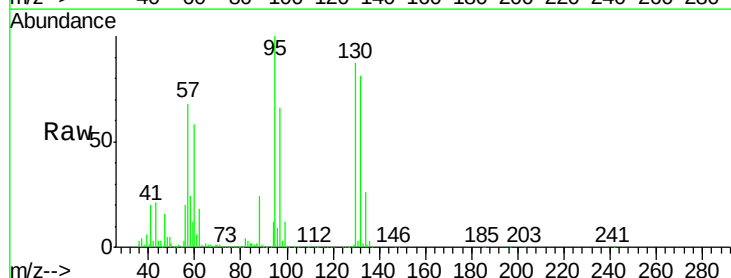
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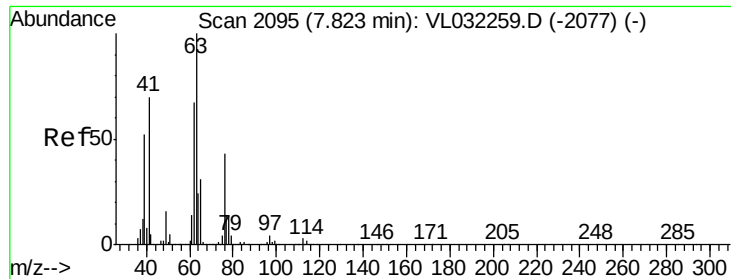
MMDadoda
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#38
 Trichloroethene
 Concen: 11.12 ppbv
 RT: 8.04 min Scan# 2164
 Delta R.T. -0.00 min
 Lab File: VL032307.D
 Acq: 20 Jul 2018 10:10

Tgt Ion: 130 Resp: 1159911
 Ion Ratio Lower Upper
 130 100
 95 115.5 97.1 145.7
 132 93.9 75.6 113.4
 97 76.3 62.1 93.1





#39

1,2-Dichloropropane

Concen: 11.48 ppbv

RT: 7.82 min Scan# 2094

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 63 Resp: 1432876

Ion Ratio Lower Upper

63 100

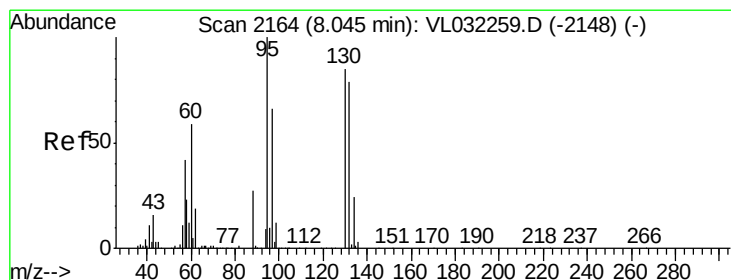
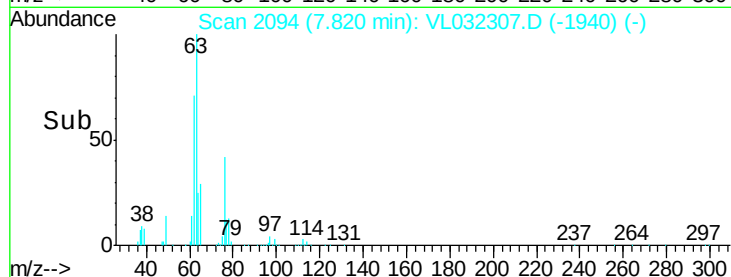
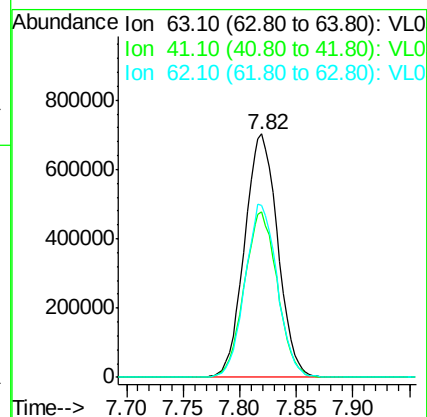
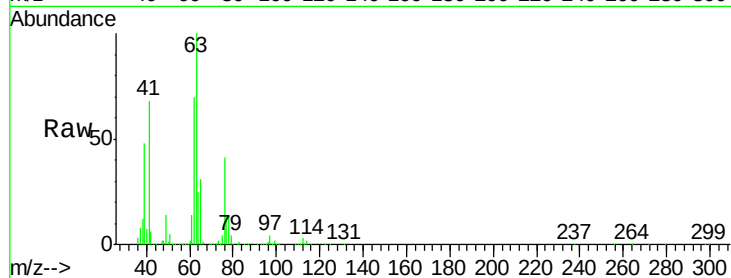
41 67.8 55.8 83.6

62 70.3 53.8 80.8

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#40

1,4-Dioxane

Concen: 12.73 ppbv

RT: 8.04 min Scan# 2162

Delta R.T. -0.01 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Tgt Ion: 88 Resp: 469350

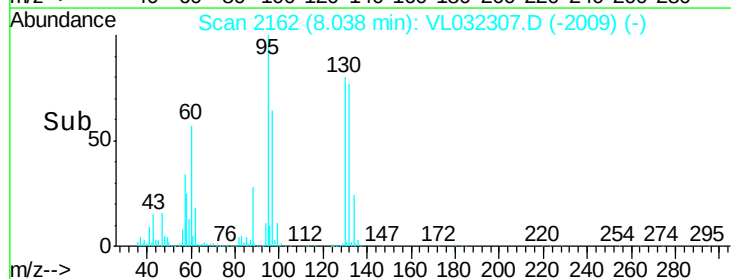
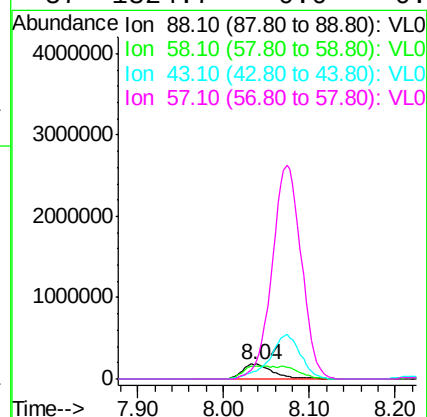
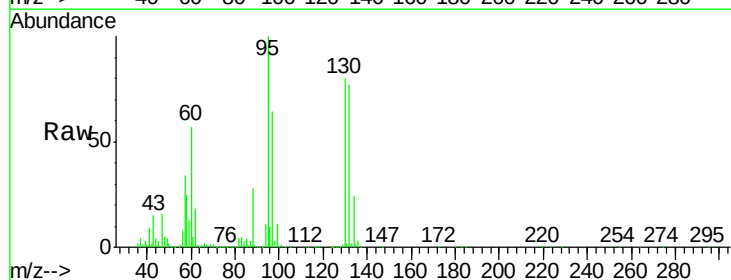
Ion Ratio Lower Upper

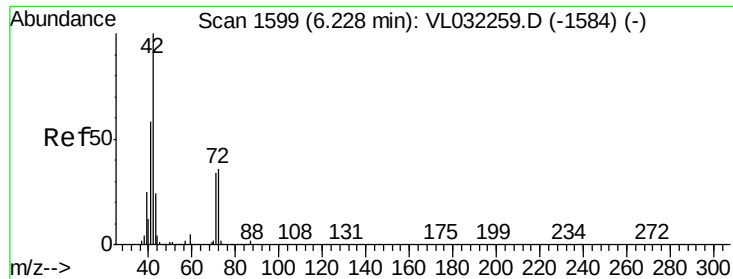
88 100

58 142.4 60.9 91.3#

43 291.9 0.0 0.0#

57 1324.7 0.0 0.0#





#41

Tetrahydrofuran

Concen: 12.87 ppbv

RT: 6.22 min Scan# 1596

Delta R.T. -0.01 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

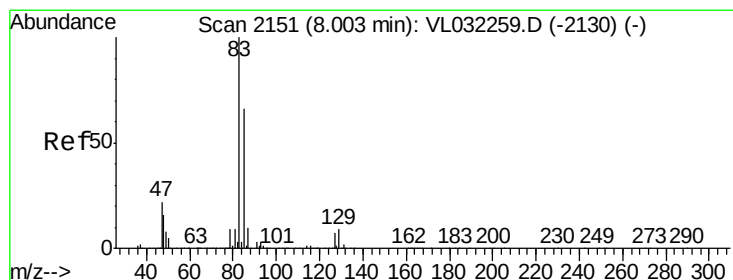
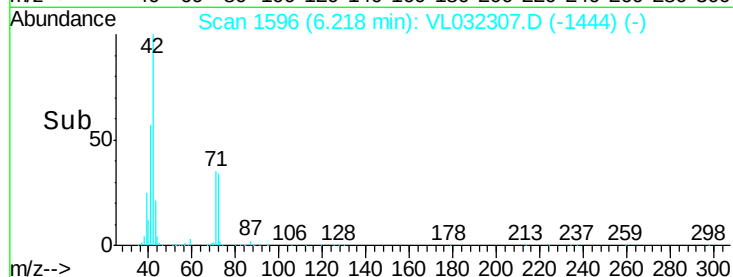
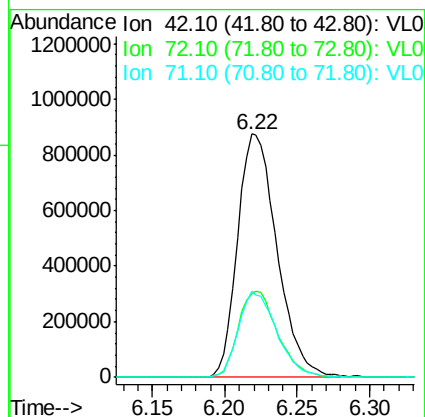
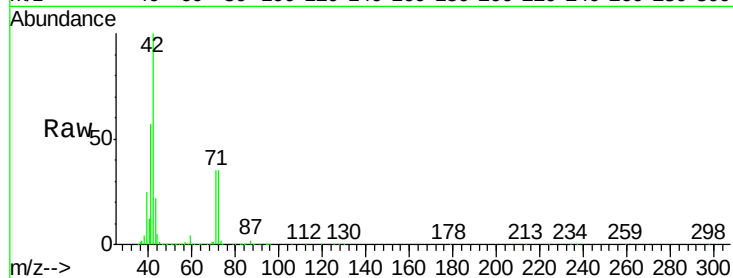
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	1650031
Ion	Ratio	Lower	Upper
42	100		
72	35.5	29.4	44.0
71	34.7	28.2	42.4

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#42

Bromodichloromethane

Concen: 11.23 ppbv

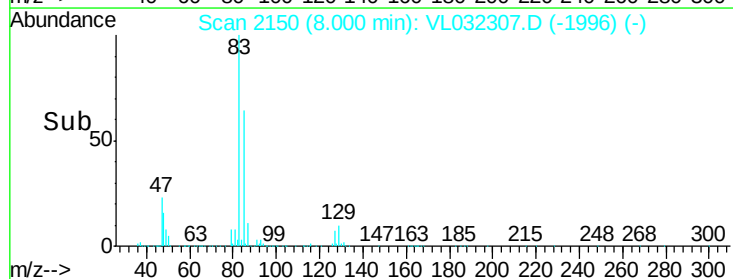
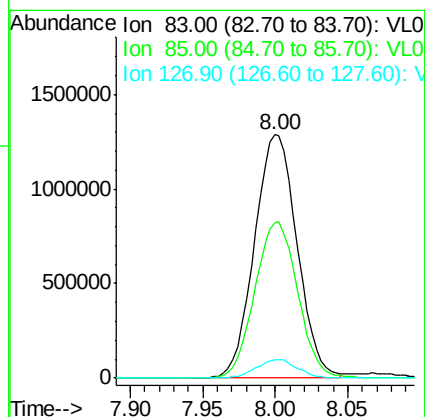
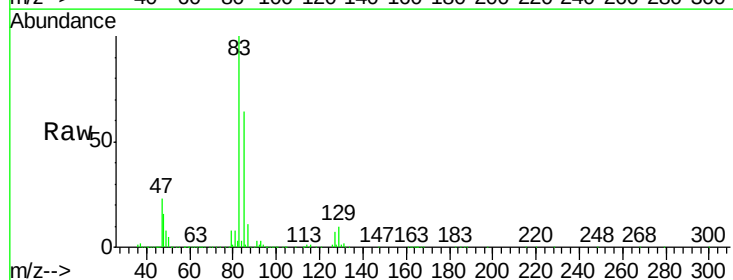
RT: 8.00 min Scan# 2150

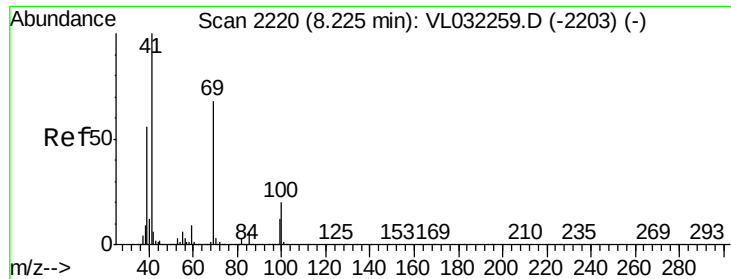
Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Tgt Ion:	83	Resp:	2631862
Ion	Ratio	Lower	Upper
83	100		
85	64.0	53.0	79.4
127	7.3	5.7	8.5





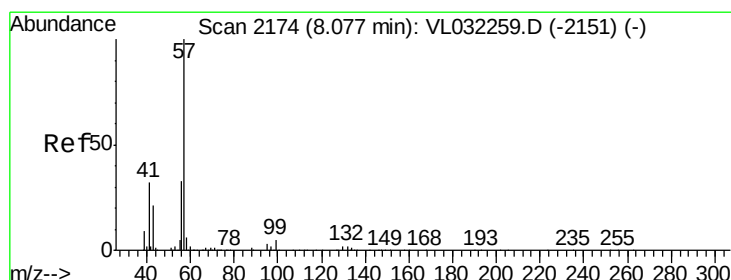
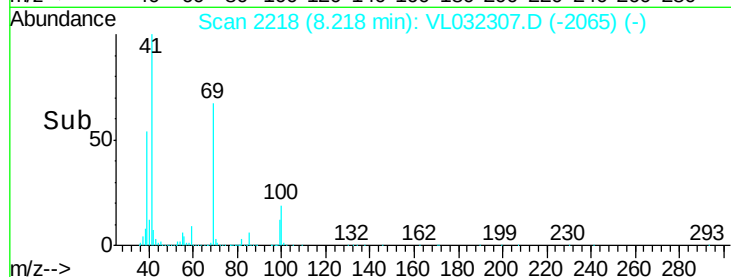
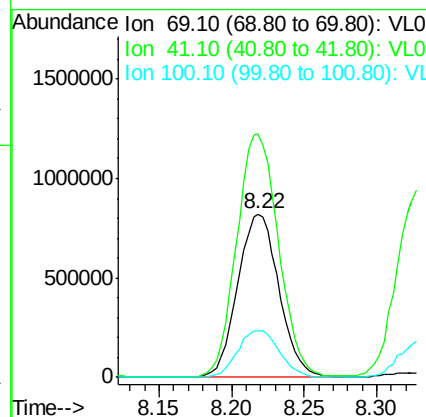
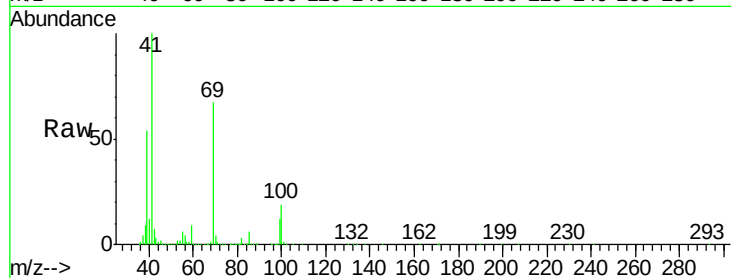
#43
Methyl Methacrylate
Concen: 12.52 ppbv
RT: 8.22 min Scan# 2218
Delta R.T. -0.01 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1617386
Ion Ratio Lower Upper
69 100
41 151.7 118.6 177.8
100 29.3 23.3 34.9

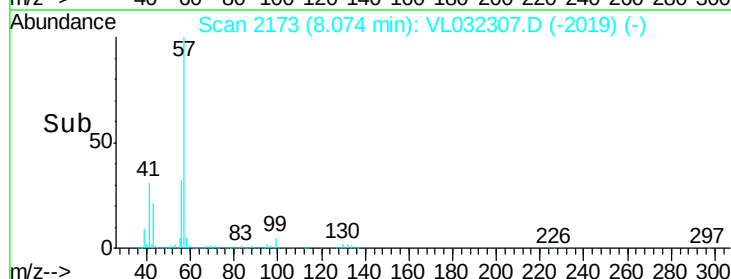
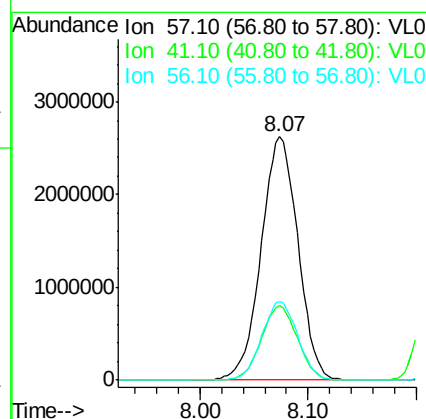
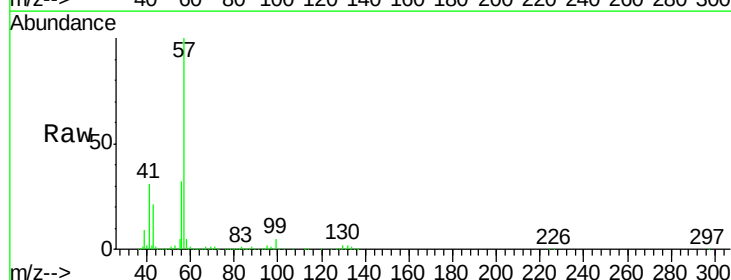
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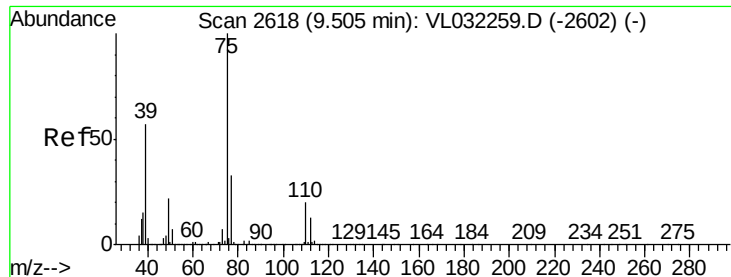
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 11.30 ppbv
RT: 8.07 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Tgt Ion: 57 Resp: 6205737
Ion Ratio Lower Upper
57 100
41 29.9 24.4 36.6
56 31.6 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 12.74 ppbv

RT: 9.50 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 1939251

Ion Ratio Lower Upper

75 100

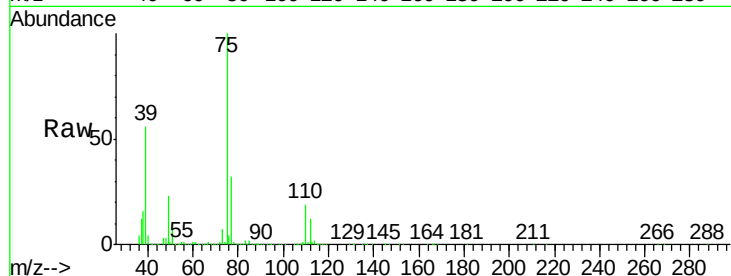
77 31.8 26.2 39.4

Manual Integrations

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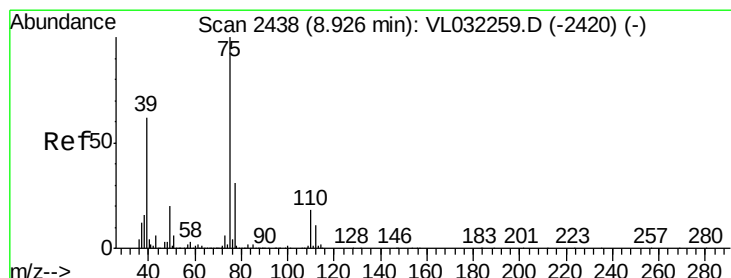
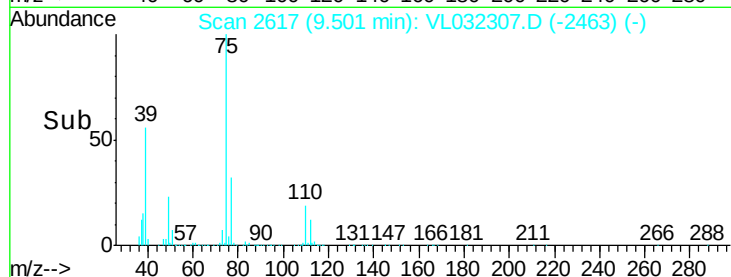
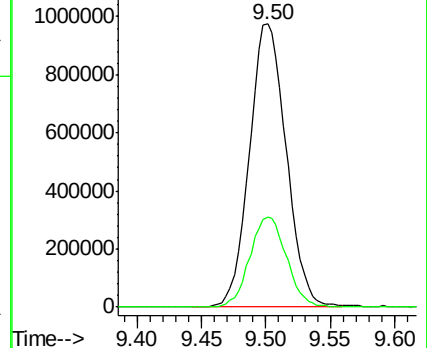
MMDadoda

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 13.69 ppbv

RT: 8.92 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

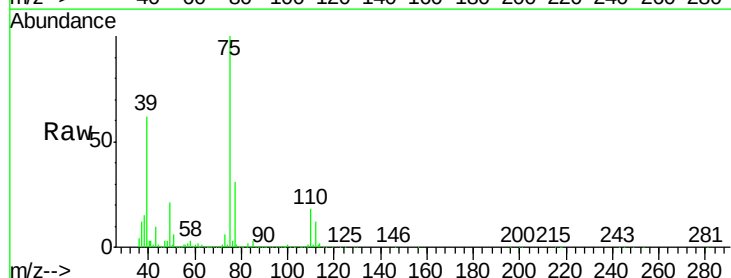
Tgt Ion: 75 Resp: 2657942

Ion Ratio Lower Upper

75 100

39 62.3 49.9 74.9

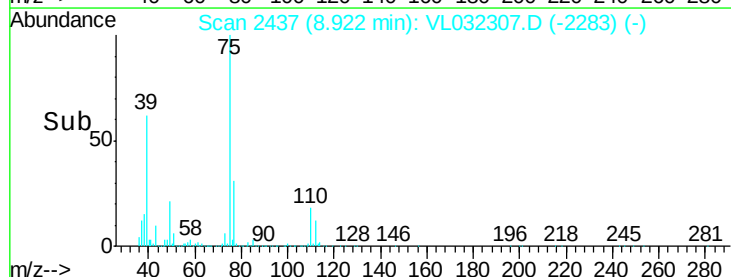
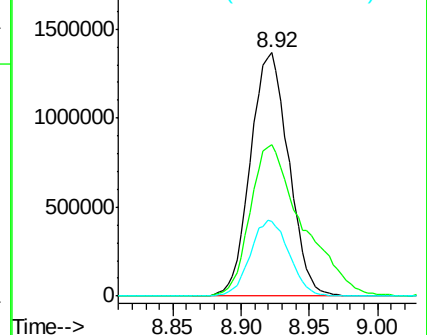
77 30.8 25.0 37.4

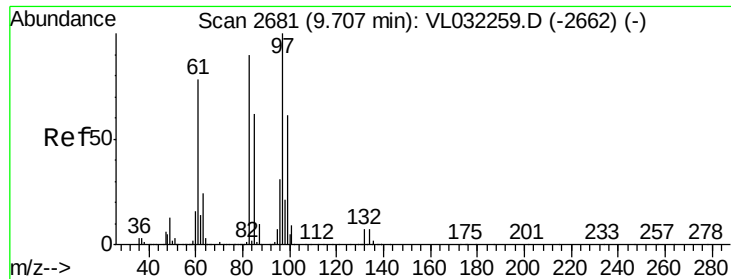


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





#47

1,1,2-Trichloroethane

Concen: 9.75 ppbv

RT: 9.70 min Scan# 2679

Delta R.T. -0.01 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 97 Resp: 1315533

Ion Ratio Lower Upper

97 100

83 94.1 72.3 108.5

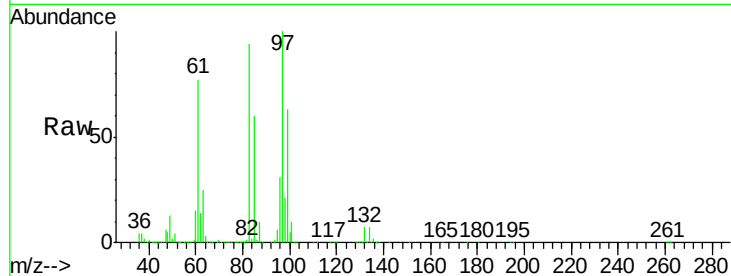
85 59.6 49.5 74.3

99 62.8 48.9 73.3

Manual Integrations
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Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

800000

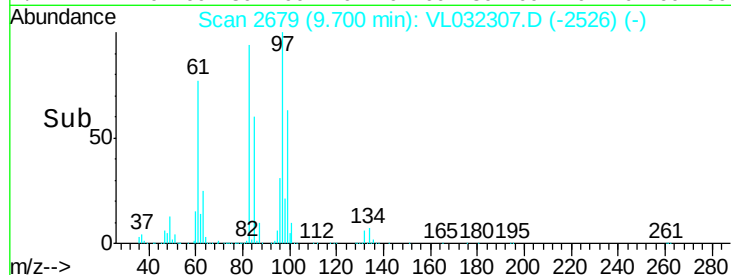
600000

400000

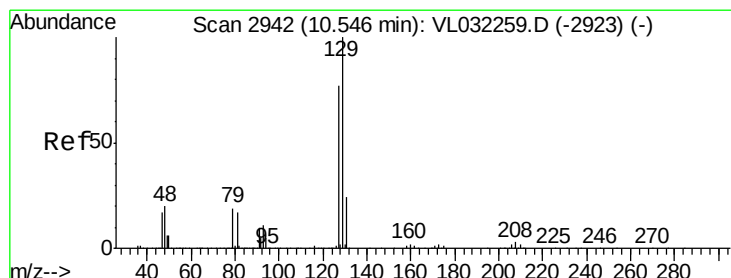
200000

0

9.60 9.65 9.70 9.75 9.80



Time-->



#48

Dibromochloromethane

Concen: 12.98 ppbv

RT: 10.54 min Scan# 2940

Delta R.T. -0.01 min

Lab File: VL032307.D

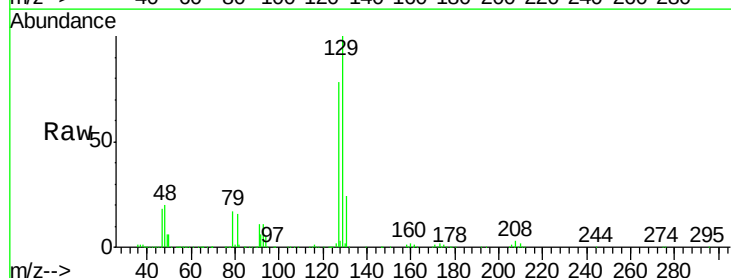
Acq: 20 Jul 2018 10:10

Tgt Ion:129 Resp: 2552463

Ion Ratio Lower Upper

129 100

127 78.8 39.1 117.3



Abundance Ion 129.00 (128.70 to 129.70): V

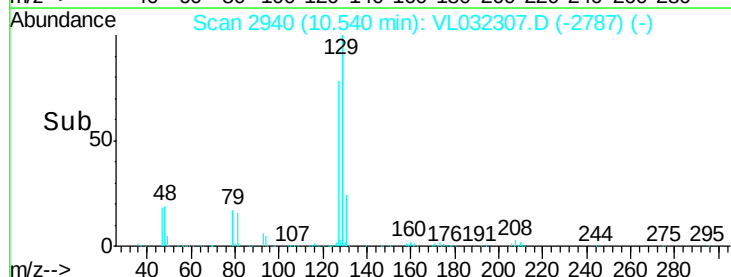
Ion 127.00 (126.70 to 127.70): V

1000000

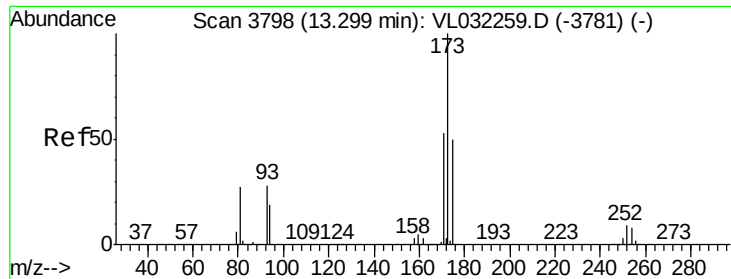
500000

0

10.50 10.54 10.58



Time-->



#49

Bromoform

Concen: 12.09 ppbv

RT: 13.30 min Scan# 3797

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:173 Resp: 2074569

Ion Ratio Lower Upper

173 100

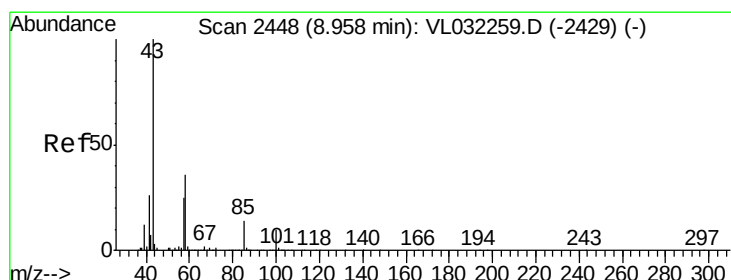
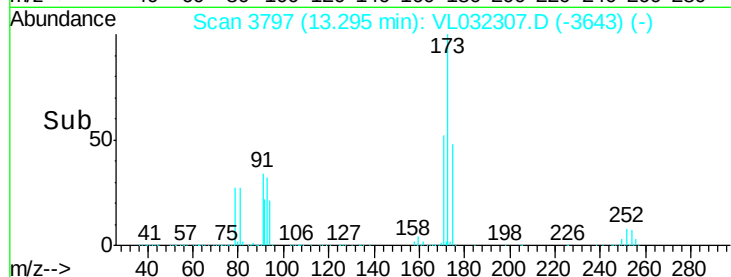
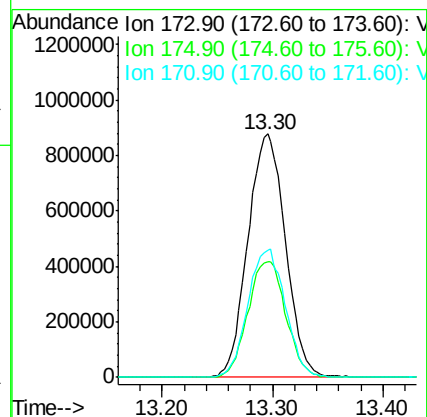
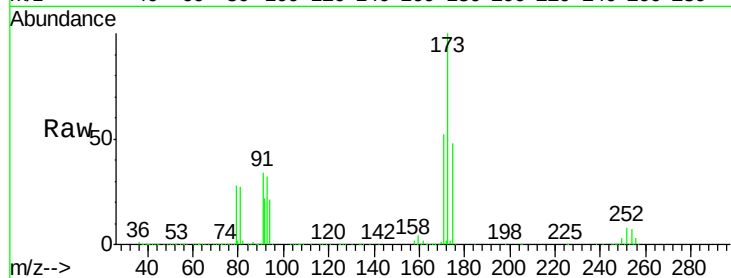
175 48.3 39.0 58.6

171 52.4 41.6 62.4

Manual Integrations
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#50

4-Methyl-2-Pentanone

Concen: 12.98 ppbv

RT: 8.95 min Scan# 2446

Delta R.T. -0.01 min

Lab File: VL032307.D

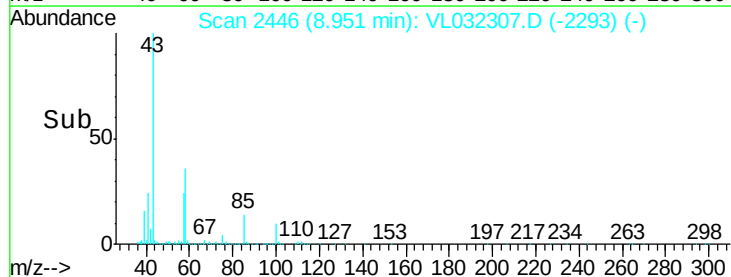
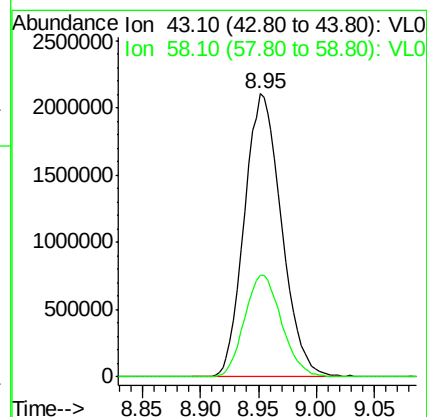
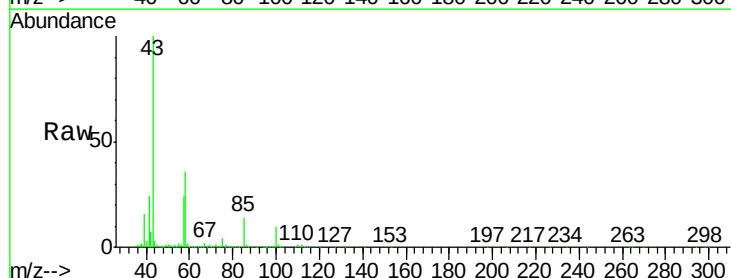
Acq: 20 Jul 2018 10:10

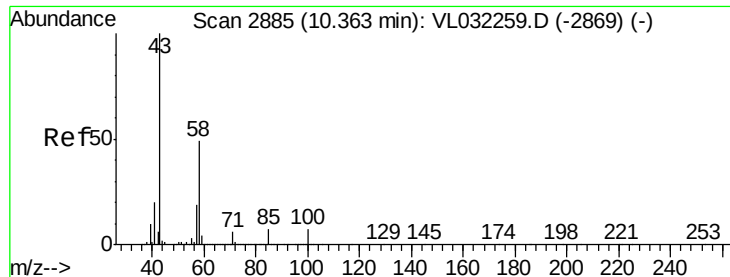
Tgt Ion: 43 Resp: 4692025

Ion Ratio Lower Upper

43 100

58 36.0 29.2 43.8





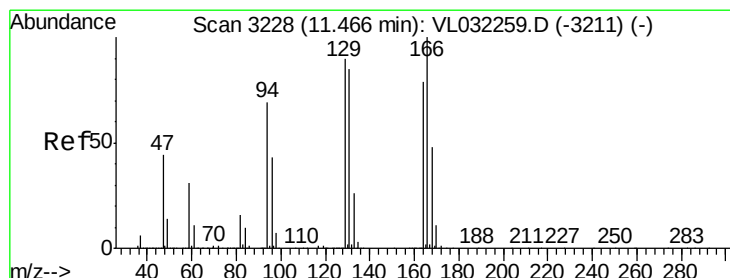
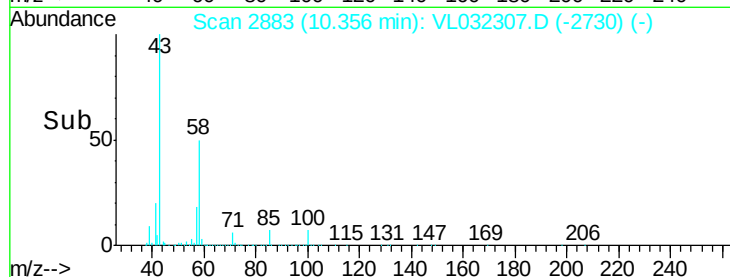
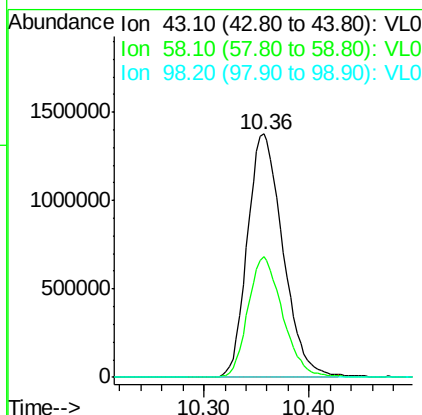
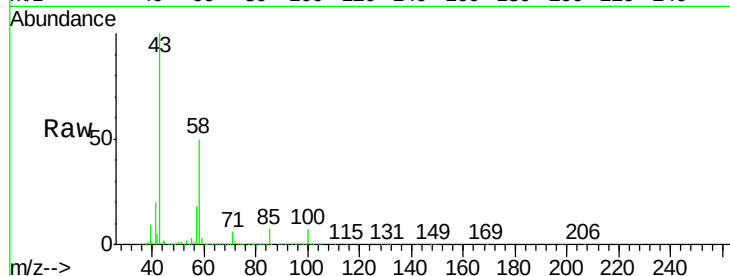
#51
2-Hexanone
Concen: 11.70 ppbv
RT: 10.36 min Scan# 2883
Delta R.T. -0.01 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 3224507
Ion Ratio Lower Upper
43 100
58 48.6 39.4 59.2
98 0.3 0.2 0.2#

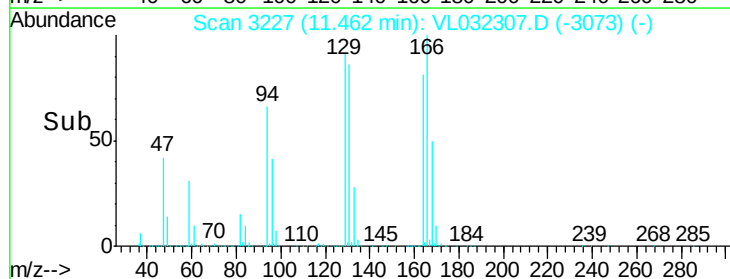
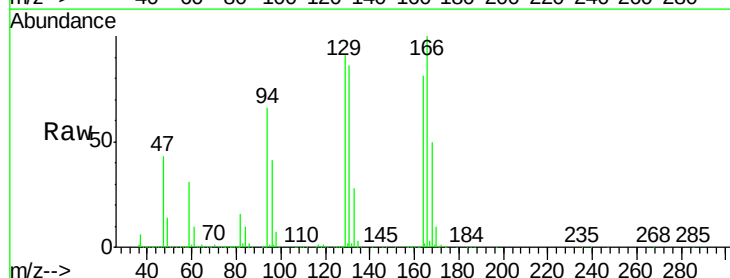
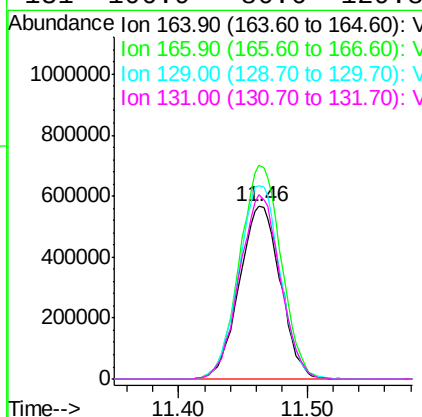
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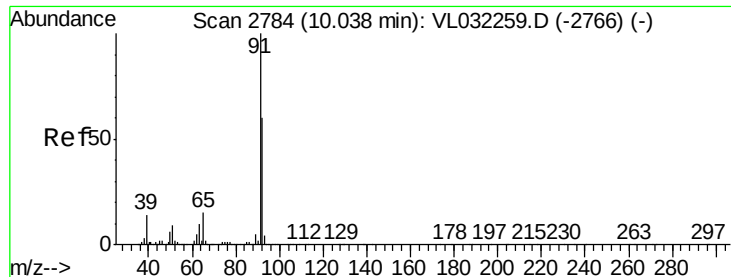
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#52
Tetrachloroethene
Concen: 11.67 ppbv
RT: 11.46 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Tgt Ion: 164 Resp: 1255935
Ion Ratio Lower Upper
164 100
166 123.7 101.7 152.5
129 112.3 91.5 137.3
131 106.9 86.6 129.8





#53

Toluene

Concen: 12.13 ppbv

RT: 10.03 min Scan# 2783

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4634381

Ion Ratio Lower Upper

91 100

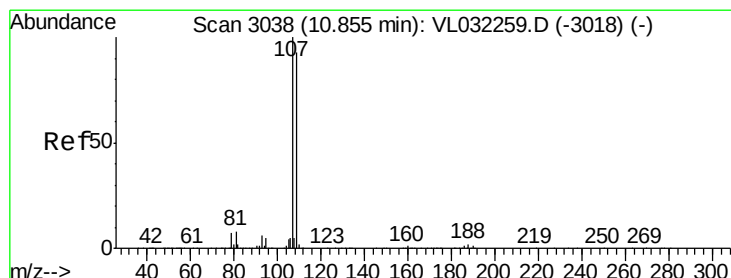
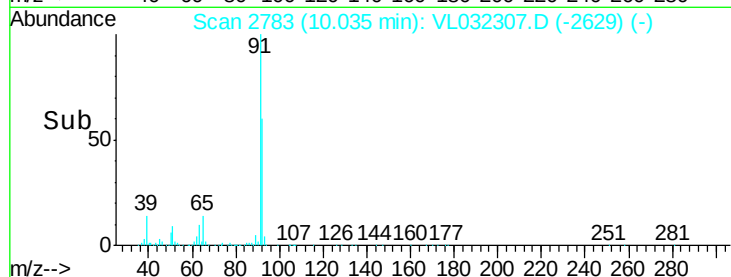
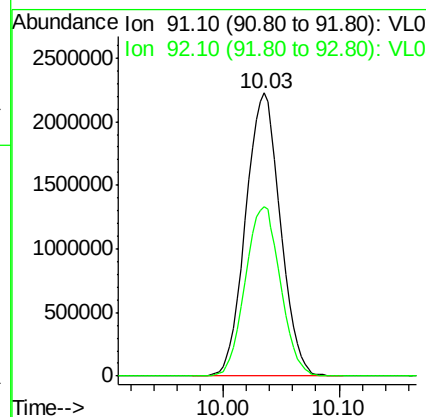
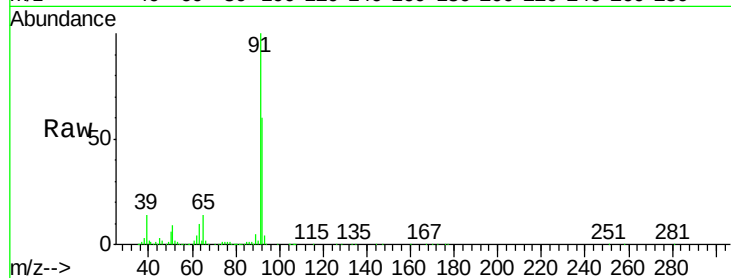
92 60.7 48.6 72.8

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#54

1,2-Dibromoethane

Concen: 12.41 ppbv

RT: 10.85 min Scan# 3036

Delta R.T. -0.01 min

Lab File: VL032307.D

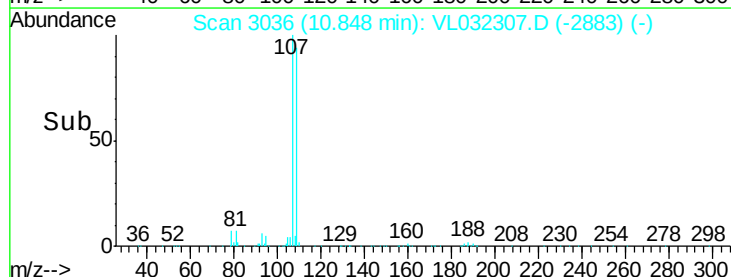
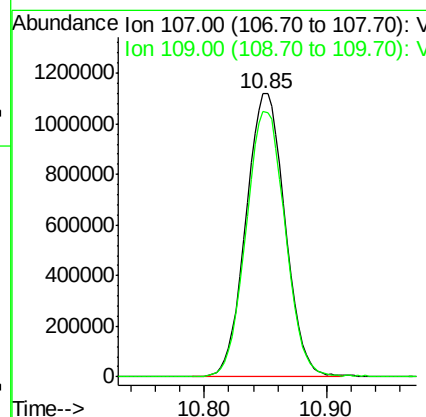
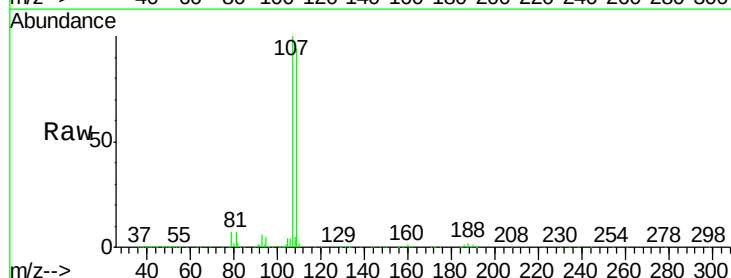
Acq: 20 Jul 2018 10:10

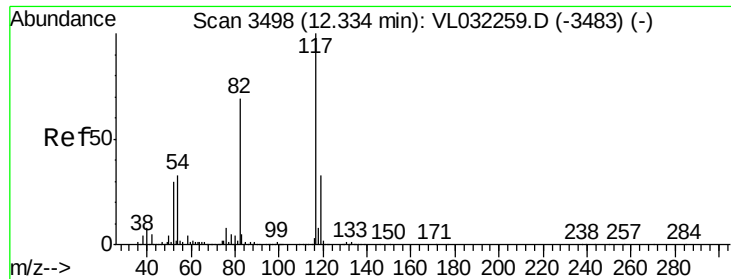
Tgt Ion: 107 Resp: 2468739

Ion Ratio Lower Upper

107 100

109 93.7 74.8 112.2





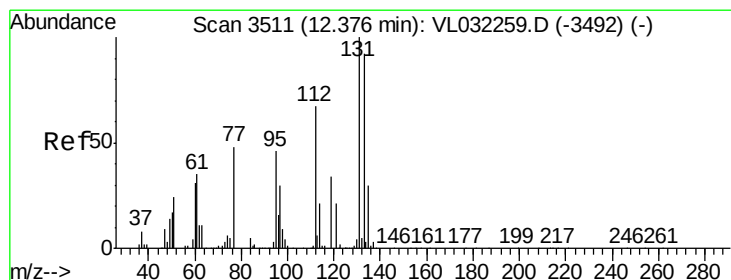
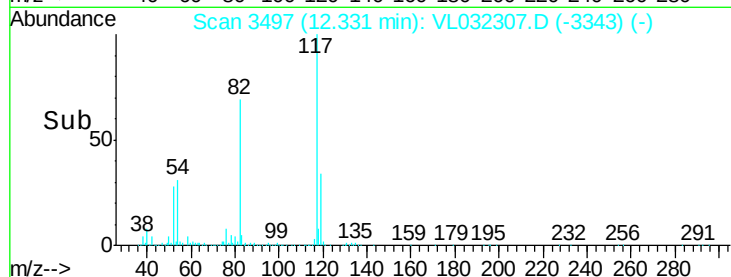
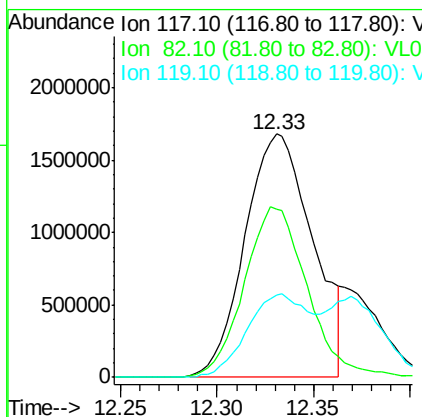
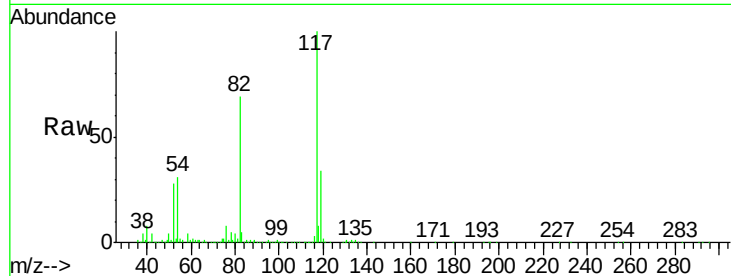
#55
Chlorobenzene-d5
Concen: 10.00 ppbv m
RT: 12.33 min Scan# 3497
Delta R.T. -0.00 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4092962
Ion Ratio Lower Upper
117 100
82 66.1 53.9 80.9
119 32.6 25.5 38.3

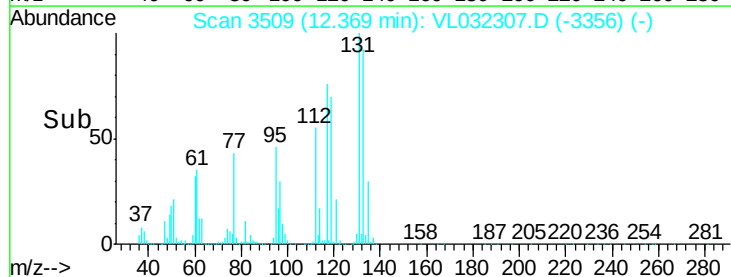
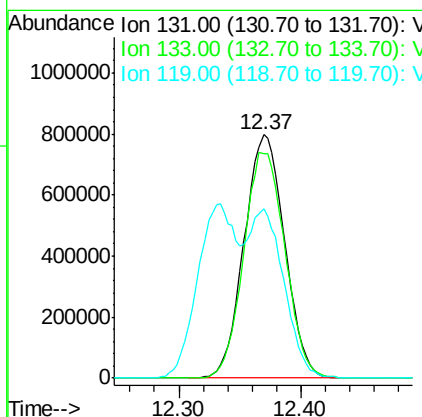
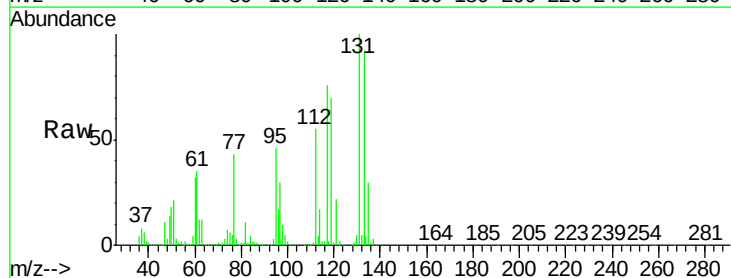
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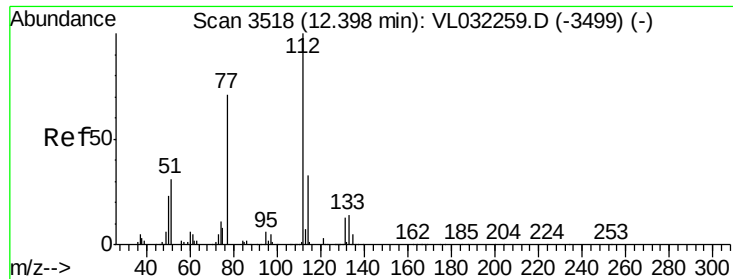
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.04 ppbv
RT: 12.37 min Scan# 3509
Delta R.T. -0.01 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Tgt Ion:131 Resp: 1829805
Ion Ratio Lower Upper
131 100
133 95.0 75.4 113.0
119 69.0 49.4 74.2





#57

Chlorobenzene

Concen: 10.08 ppbv

RT: 12.39 min Scan# 3517

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 3385912

Ion Ratio Lower Upper

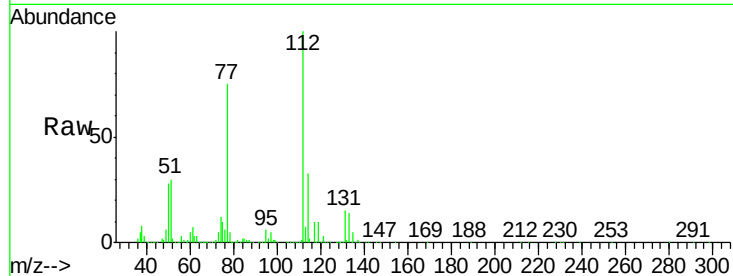
112 100

77 74.5 58.2 87.4

114 32.8 29.5 36.1

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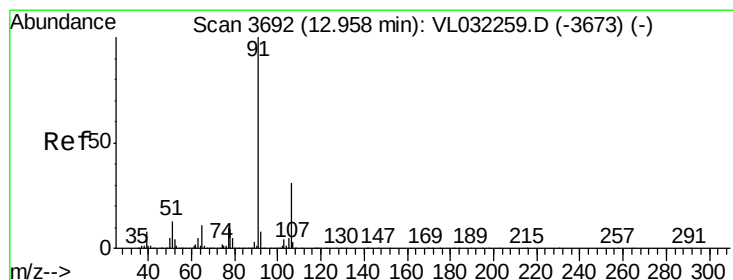
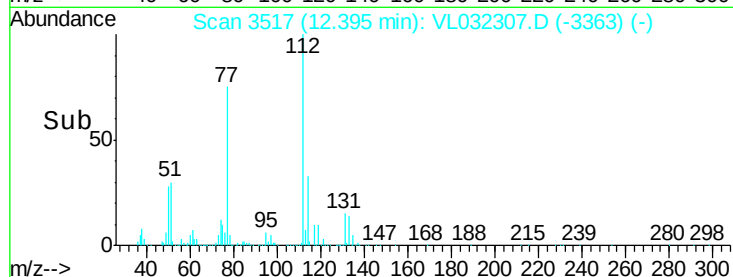
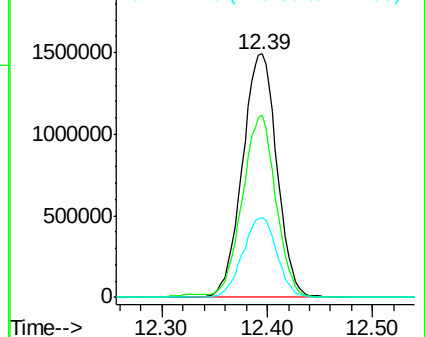
MMDadoda
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.87 ppbv

RT: 12.95 min Scan# 3691

Delta R.T. -0.00 min

Lab File: VL032307.D

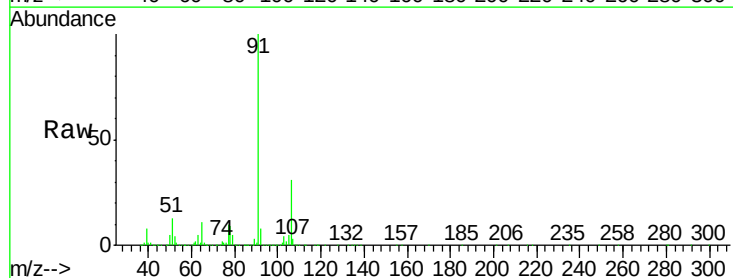
Acq: 20 Jul 2018 10:10

Tgt Ion: 91 Resp: 6267652

Ion Ratio Lower Upper

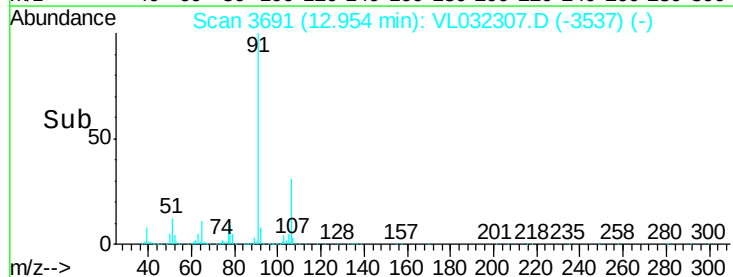
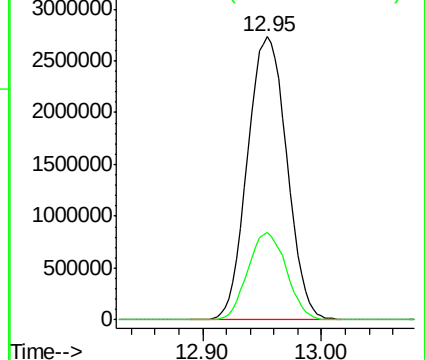
91 100

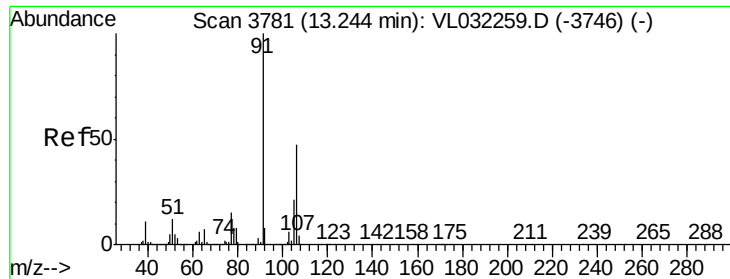
106 31.0 24.5 36.7



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





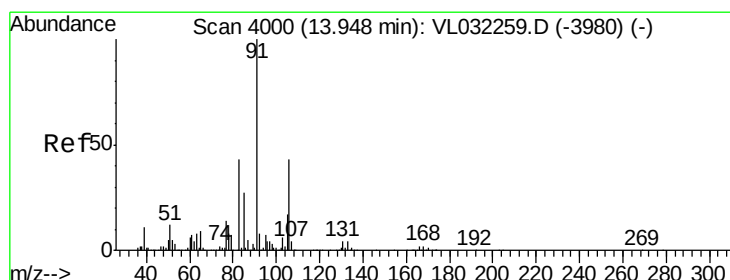
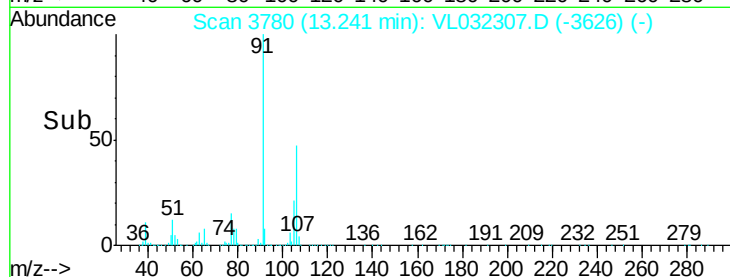
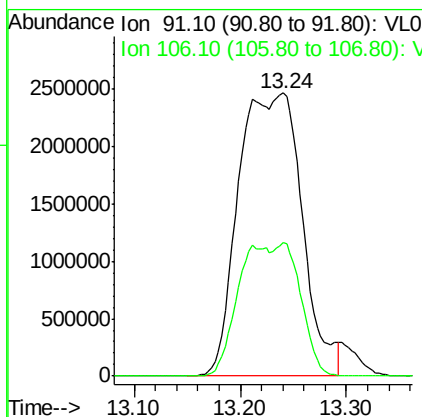
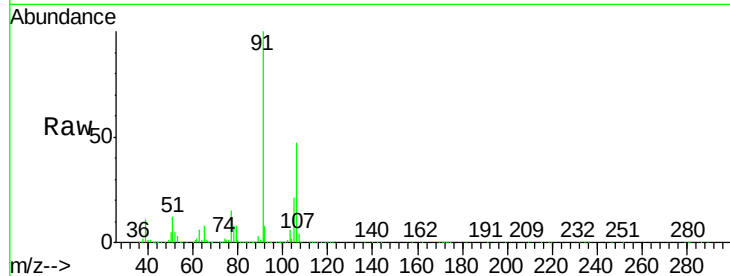
#59
m/p-Xylene
Concen: 20.75 ppbv m
RT: 13.24 min Scan# 3780
Delta R.T. -0.00 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 10210594
Ion Ratio Lower Upper
91 100
106 45.1 36.2 54.2

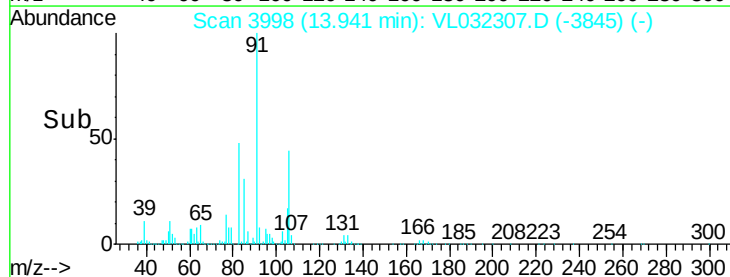
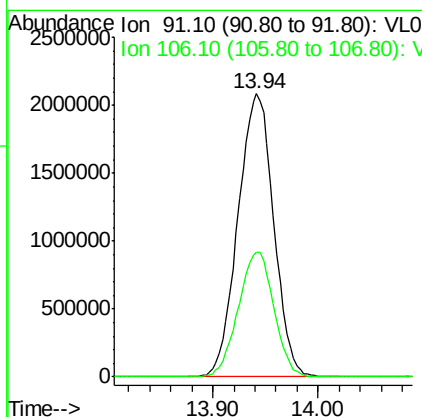
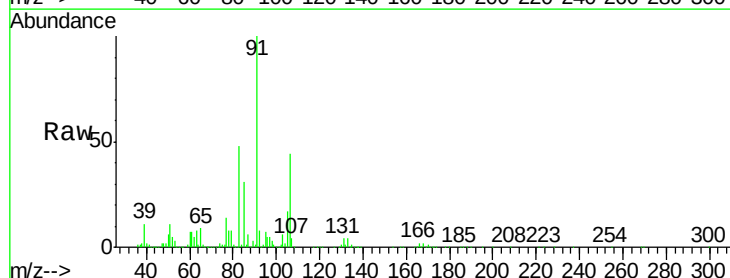
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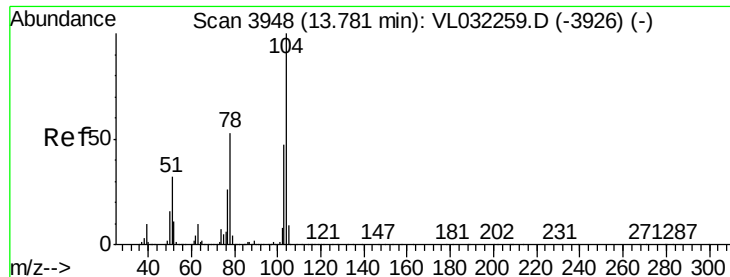
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#60
o-Xylene
Concen: 9.98 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. -0.01 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Tgt Ion: 91 Resp: 4892230
Ion Ratio Lower Upper
91 100
106 44.2 21.7 65.1





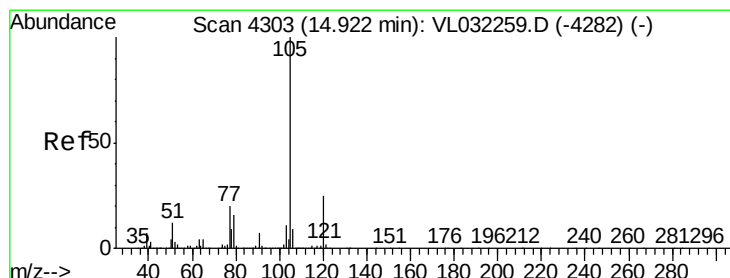
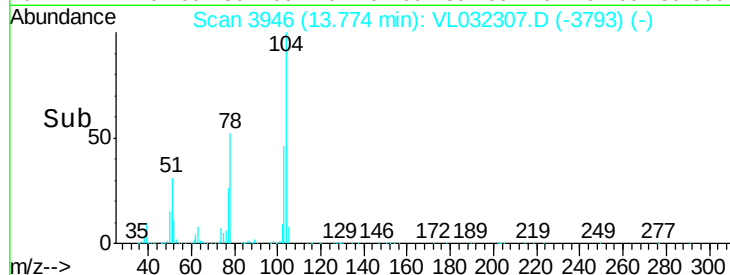
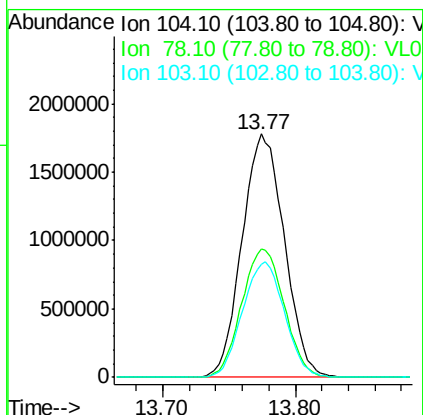
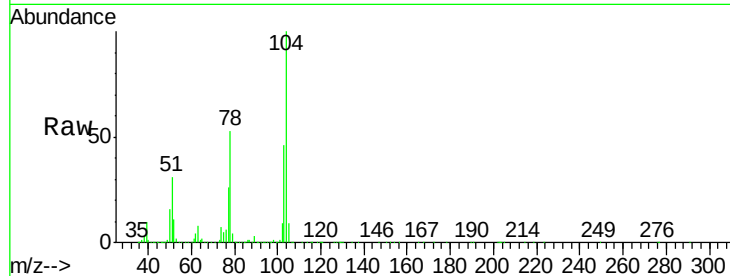
#61
Stvrene
Concen: 10.83 ppbv
RT: 13.77 min Scan# 3946
Delta R.T. -0.01 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 3942158
Ion Ratio Lower Upper
104 100
78 53.3 43.2 64.8
103 47.3 37.8 56.6

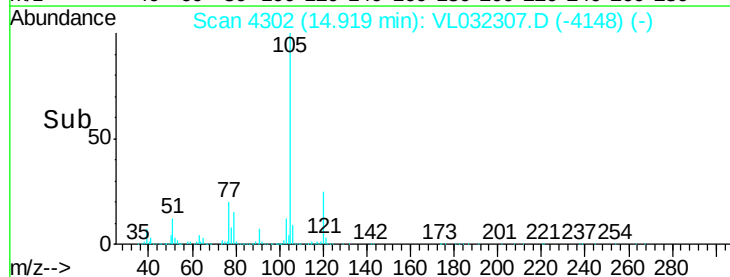
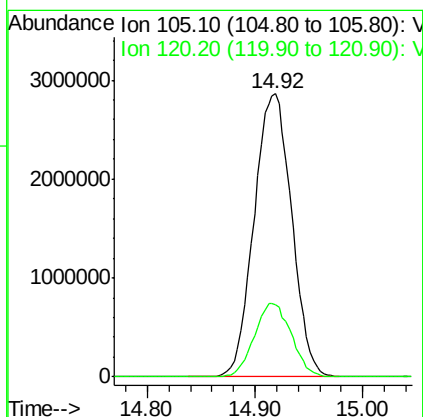
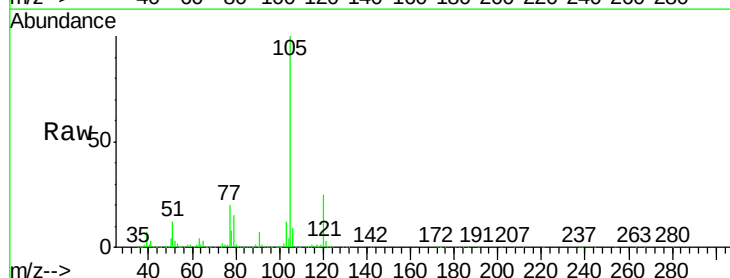
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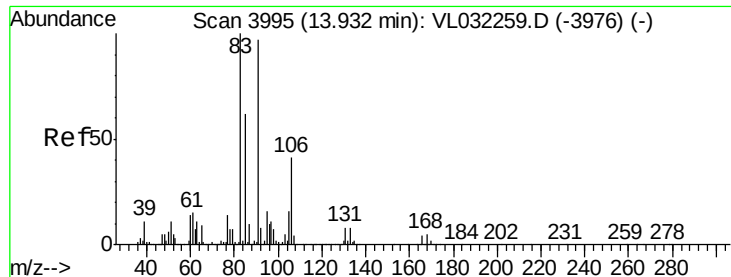
MMDadoda
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#62
Isopropylbenzene
Concen: 9.84 ppbv
RT: 14.92 min Scan# 4302
Delta R.T. -0.00 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Tgt Ion:105 Resp: 6914539
Ion Ratio Lower Upper
105 100
120 25.5 20.2 30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 8.62 ppbv

RT: 13.93 min Scan# 3994

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 3603401

Ion Ratio Lower Upper

83 100

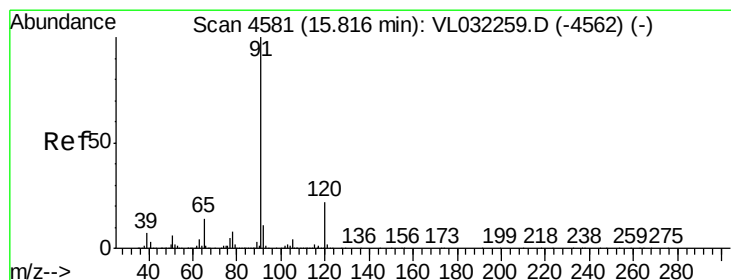
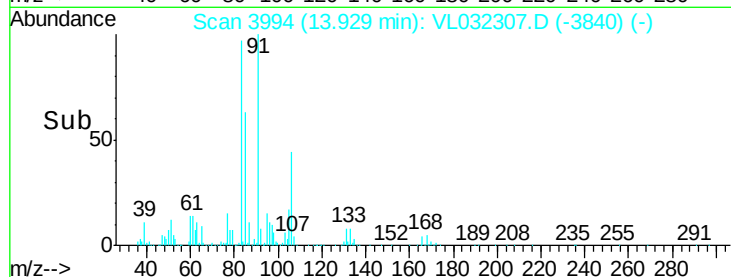
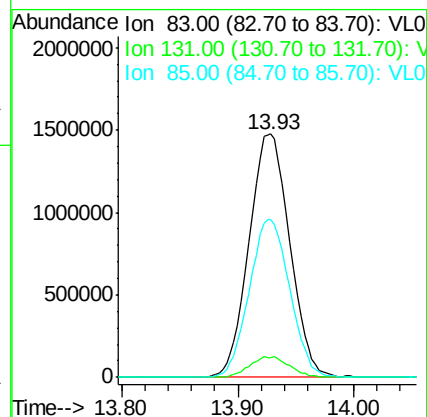
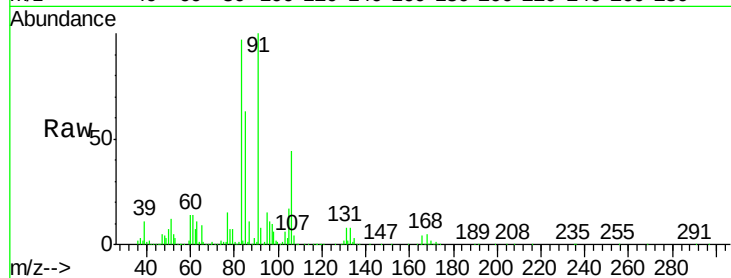
131 8.3 4.2 12.6

85 64.9 32.2 96.6

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#64

n-propylbenzene

Concen: 10.04 ppbv

RT: 15.81 min Scan# 4580

Delta R.T. -0.00 min

Lab File: VL032307.D

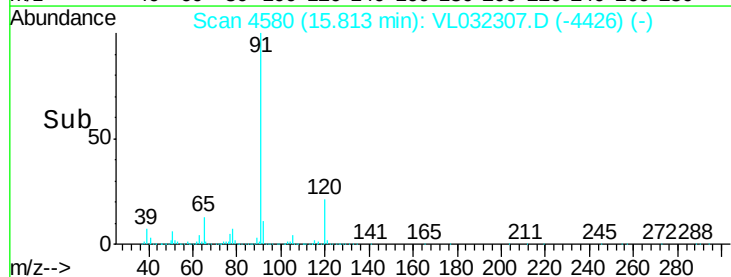
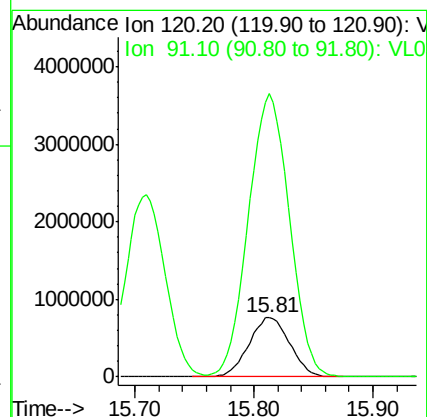
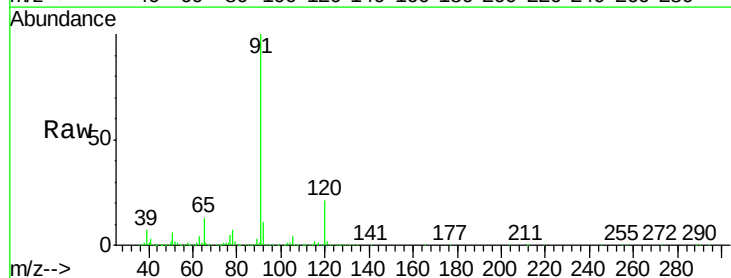
Acq: 20 Jul 2018 10:10

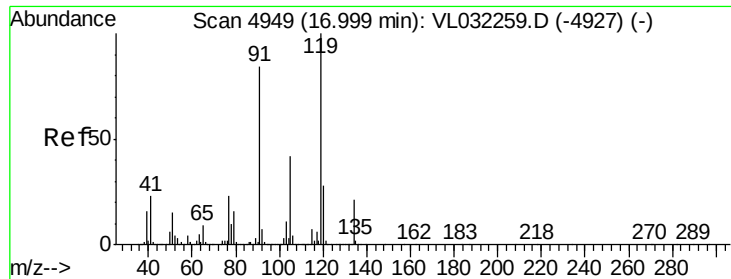
Tgt Ion: 120 Resp: 1811412

Ion Ratio Lower Upper

120 100

91 481.1 384.4 576.6





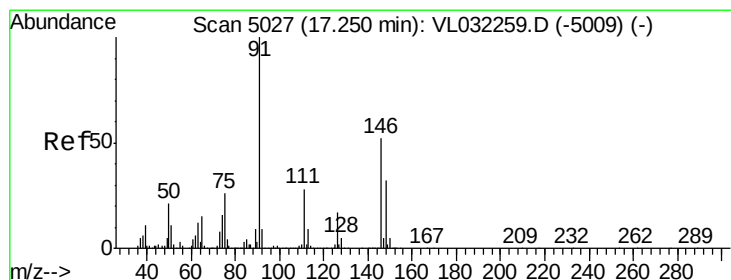
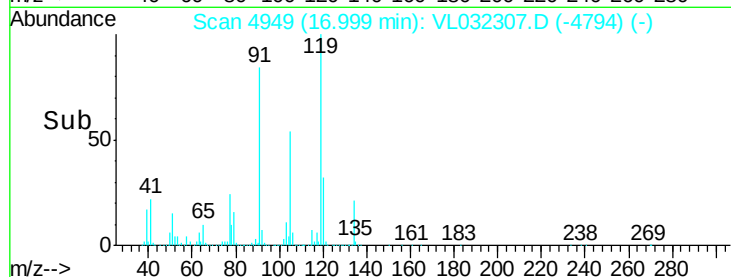
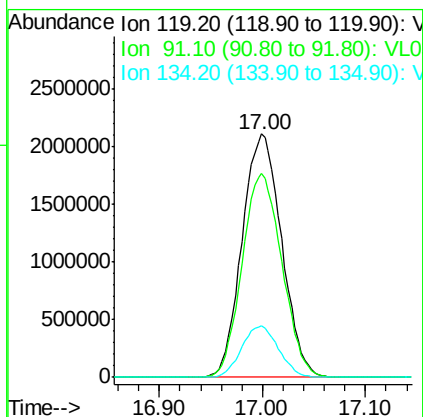
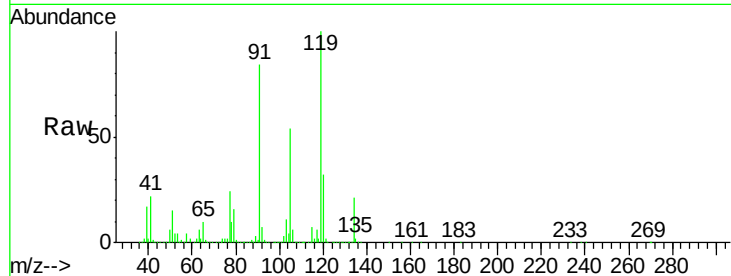
#65
tert-Butylbenzene
Concen: 9.36 ppbv
RT: 17.00 min Scan# 4949
Delta R.T. -0.00 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:119 Resp: 5602173
Ion Ratio Lower Upper
119 100
91 84.4 68.2 102.4
134 19.9 15.6 23.4

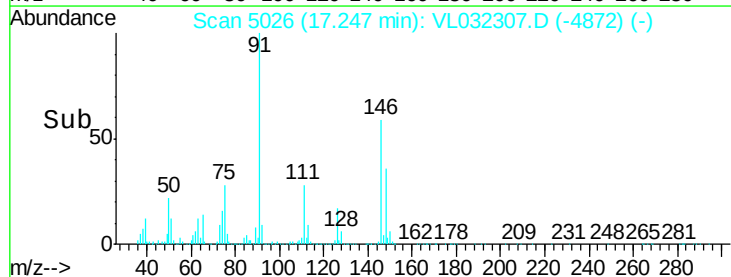
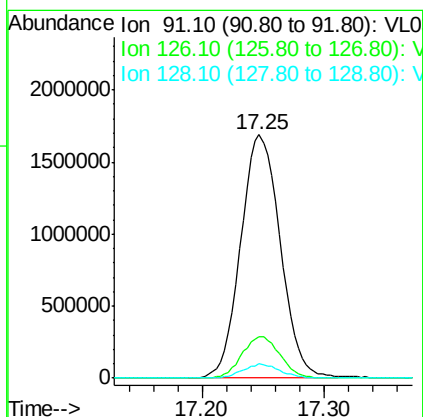
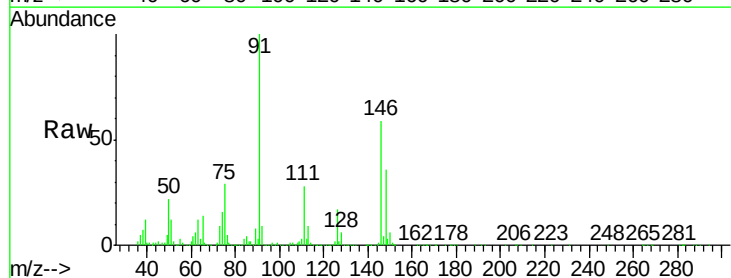
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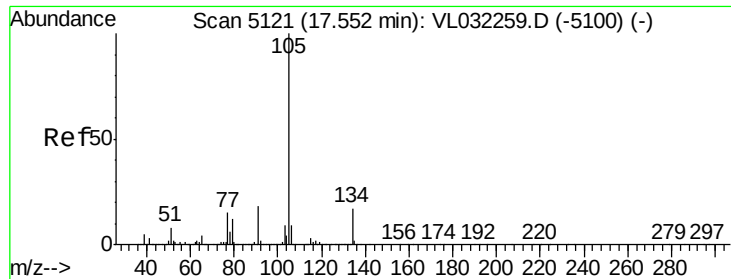
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#66
Benzyl Chloride
Concen: 11.23 ppbv
RT: 17.25 min Scan# 5026
Delta R.T. -0.00 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Tgt Ion: 91 Resp: 3783518
Ion Ratio Lower Upper
91 100
126 16.6 13.4 20.2
128 5.4 4.3 6.5





#67

sec-Butylbenzene

Concen: 9.46 ppbv

RT: 17.55 min Scan# 5120

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 8451733

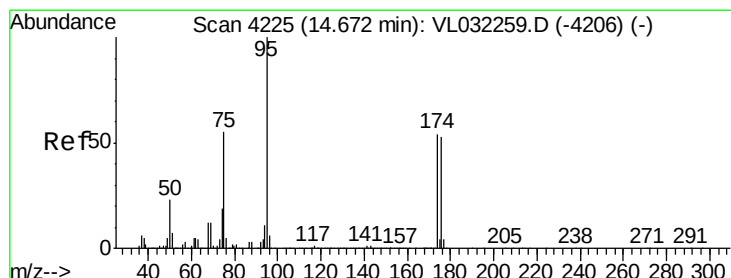
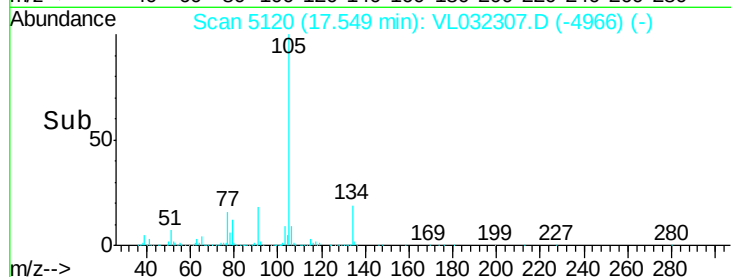
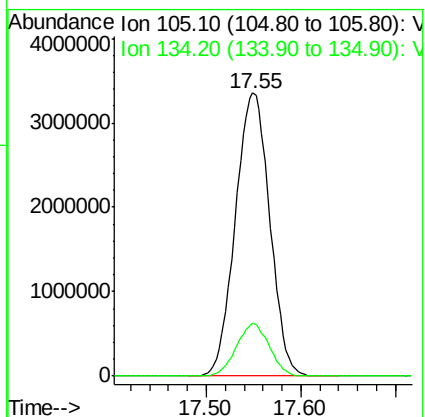
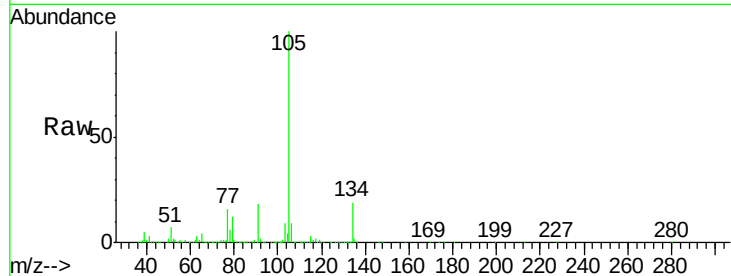
Ion Ratio Lower Upper

105 100

134 17.9 14.0 21.0

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.13 ppbv

RT: 14.67 min Scan# 4224

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

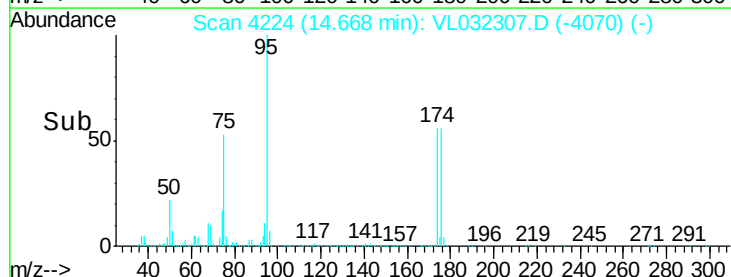
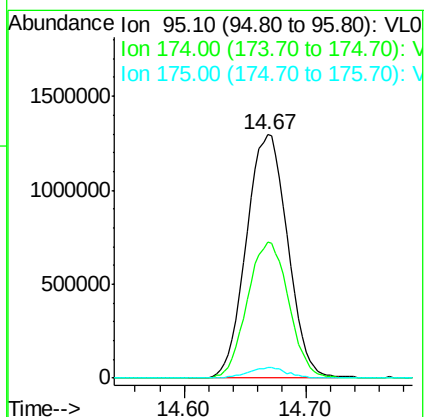
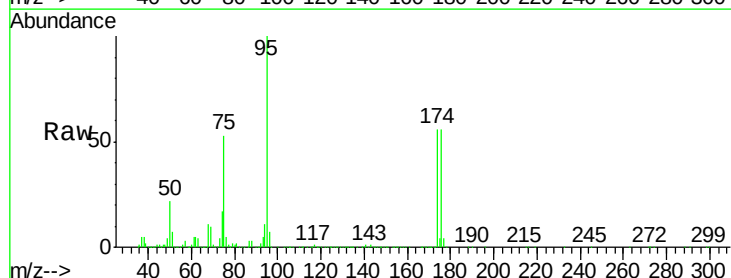
Tgt Ion: 95 Resp: 3031274

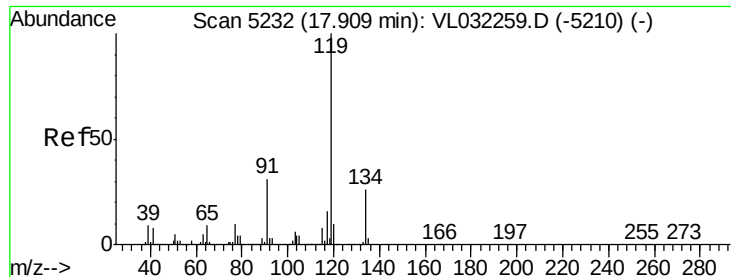
Ion Ratio Lower Upper

95 100

174 56.2 44.3 66.5

175 4.1 3.3 4.9





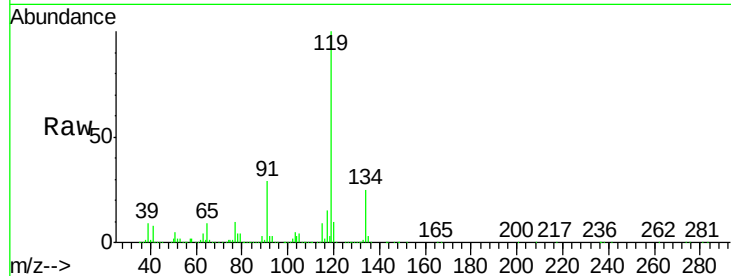
#69
 p-Isopropyltoluene
 Concen: 9.95 ppbv
 RT: 17.91 min Scan# 5231
 Delta R.T. -0.00 min
 Lab File: VL032307.D
 Acq: 20 Jul 2018 10:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

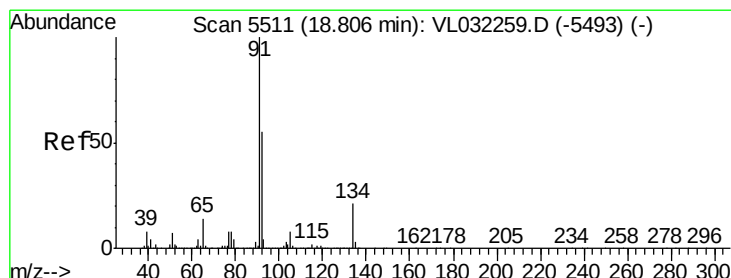
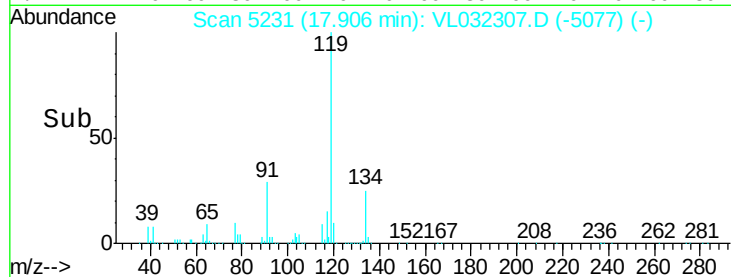
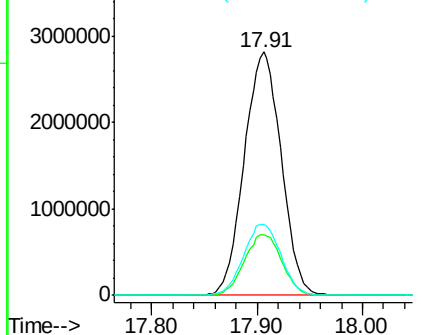
Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.3	30.5
91	29.6	24.1	36.1

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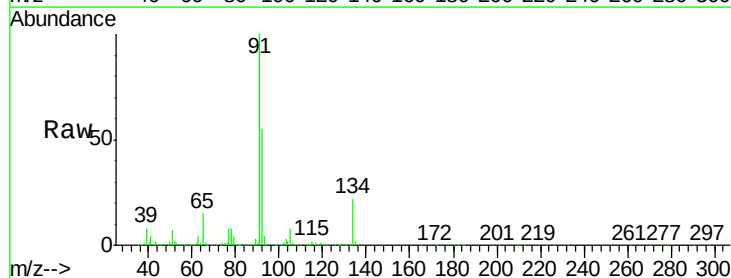


Abundance Ion 119.10 (118.80 to 119.80): V
 Ion 134.20 (133.90 to 134.90): V
 Ion 91.10 (90.80 to 91.80): V

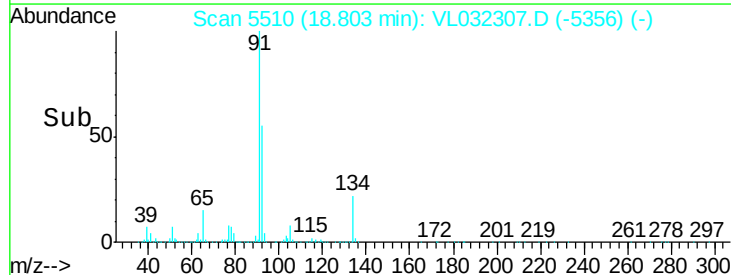
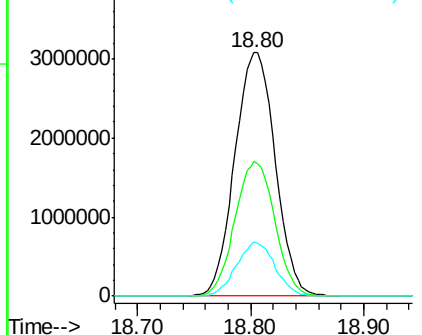


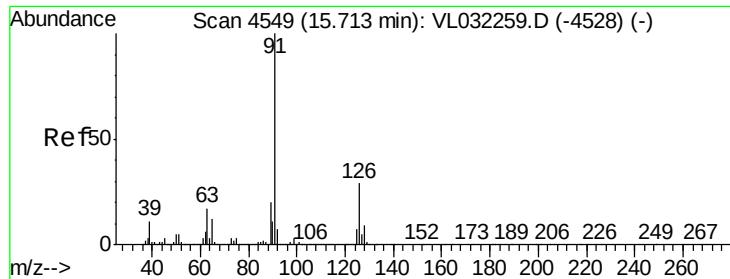
#70
 n-Butylbenzene
 Concen: 9.92 ppbv
 RT: 18.80 min Scan# 5510
 Delta R.T. -0.00 min
 Lab File: VL032307.D
 Acq: 20 Jul 2018 10:10

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.6
134	21.3	17.1	25.7



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0
 Ion 134.20 (133.90 to 134.90): V





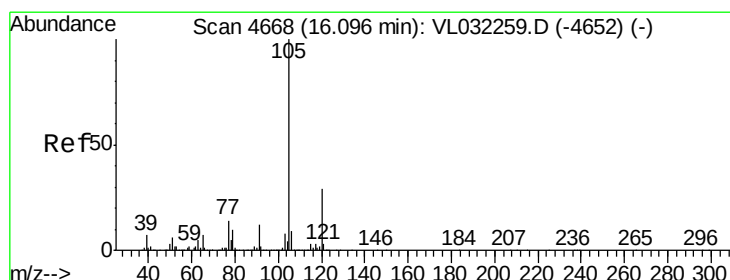
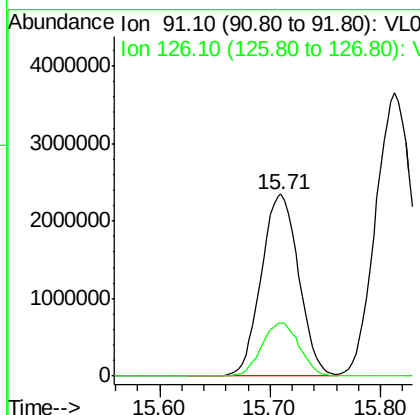
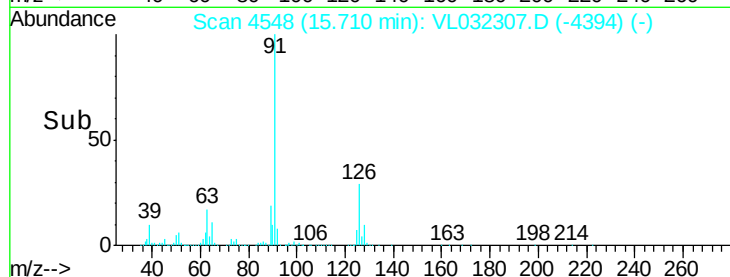
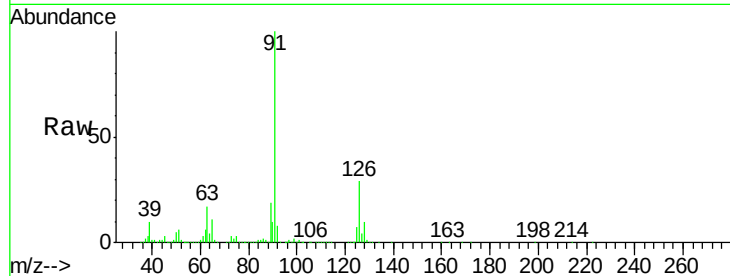
#71
2-Chlorotoluene
Concen: 9.80 ppbv
RT: 15.71 min Scan# 4548
Delta R.T. -0.00 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 5516442
Ion Ratio Lower Upper
91 100
126 29.5 11.6 46.2

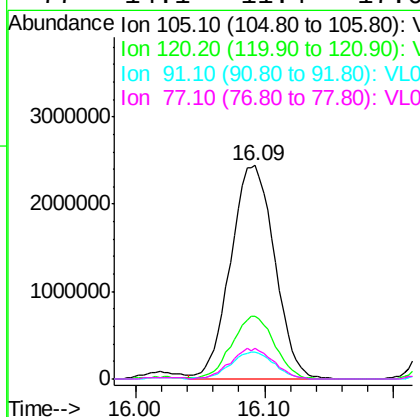
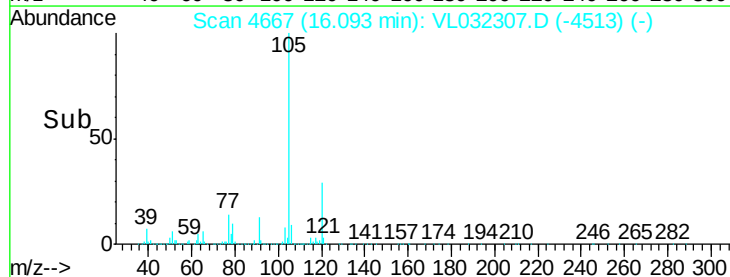
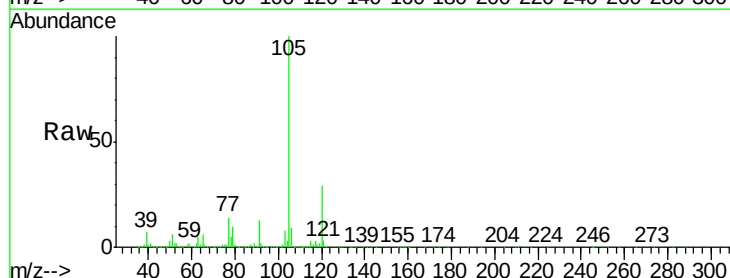
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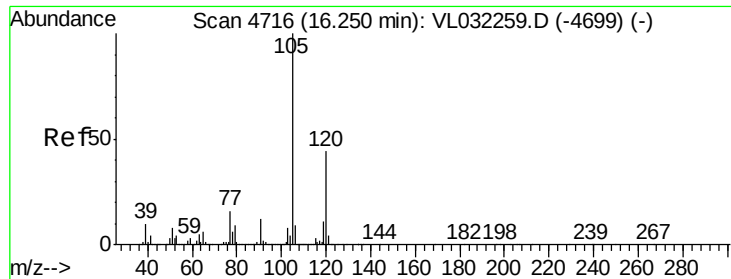
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#72
4-Ethyltoluene
Concen: 10.20 ppbv
RT: 16.09 min Scan# 4667
Delta R.T. -0.00 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Tgt Ion: 105 Resp: 5776589
Ion Ratio Lower Upper
105 100
120 28.8 23.0 34.6
91 12.4 10.1 15.1
77 14.1 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 9.89 ppbv

RT: 16.25 min Scan# 4716

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 5475072

Ion Ratio Lower Upper

105 100

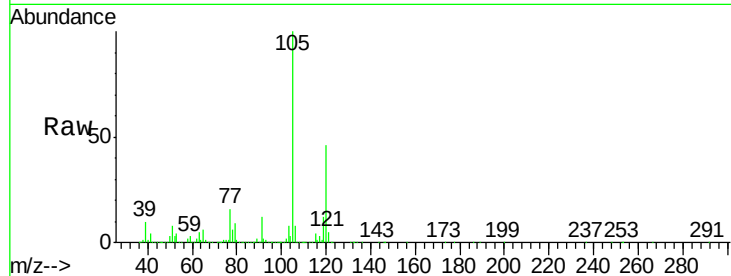
120 46.2 35.5 53.3

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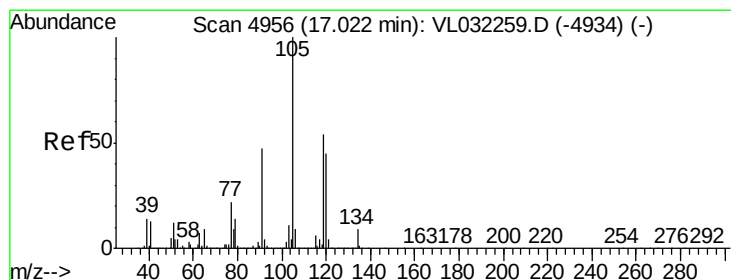
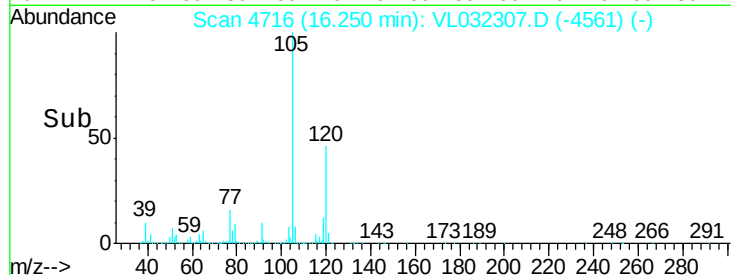
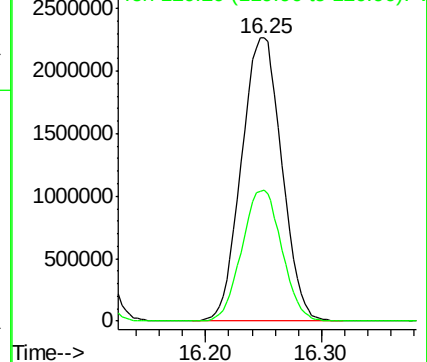
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.30 ppbv

RT: 17.02 min Scan# 4955

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Tgt Ion:105 Resp: 5386416

Ion Ratio Lower Upper

105 100

120 46.7 35.8 53.6

91 44.6 38.2 57.4

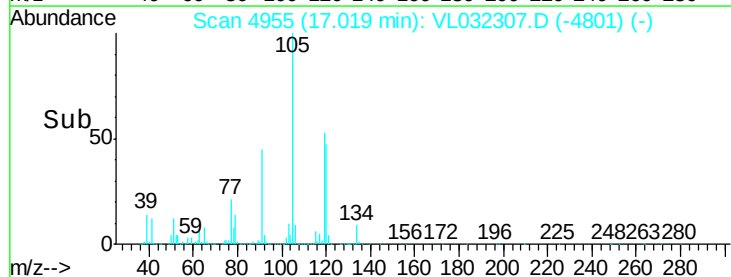
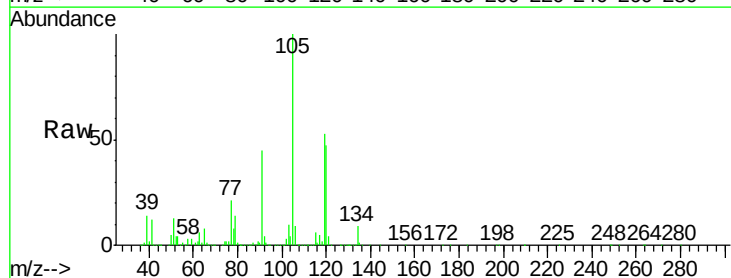
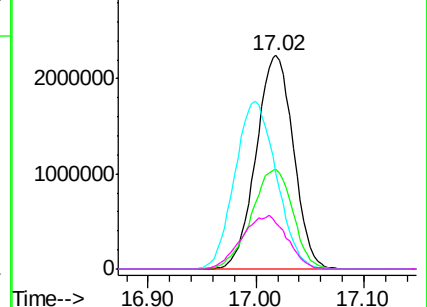
77 21.3 17.5 26.3

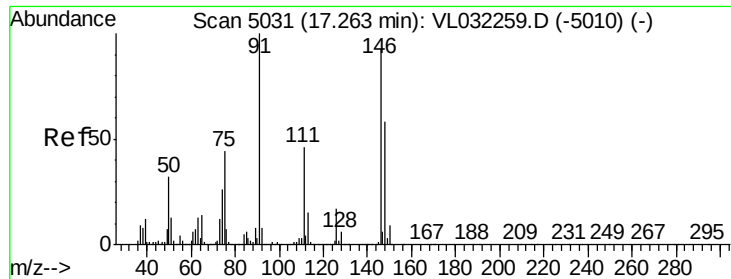
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#75

1,3-Dichlorobenzene

Concen: 9.29 ppbv

RT: 17.26 min Scan# 5030

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 2991198

Ion Ratio Lower Upper

146 100

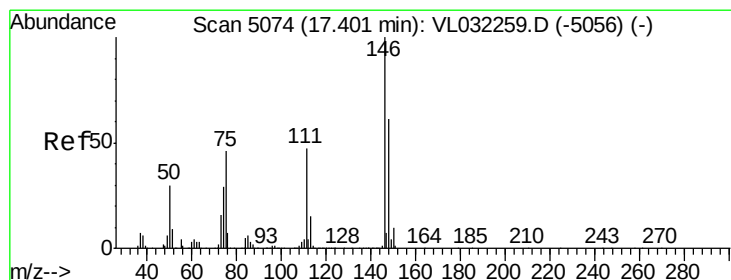
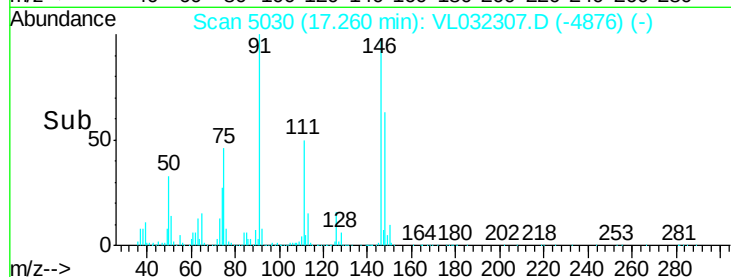
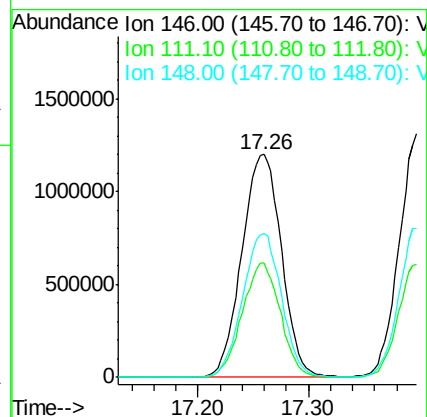
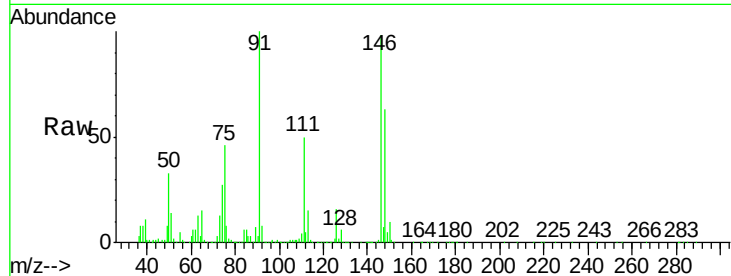
111 49.4 25.1 75.4

148 63.3 31.8 95.3

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#76

1,4-Dichlorobenzene

Concen: 9.55 ppbv

RT: 17.40 min Scan# 5073

Delta R.T. -0.00 min

Lab File: VL032307.D

Acq: 20 Jul 2018 10:10

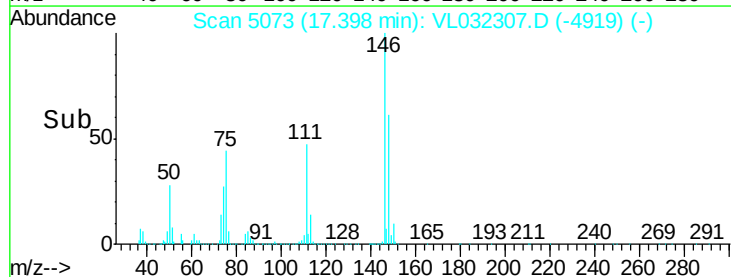
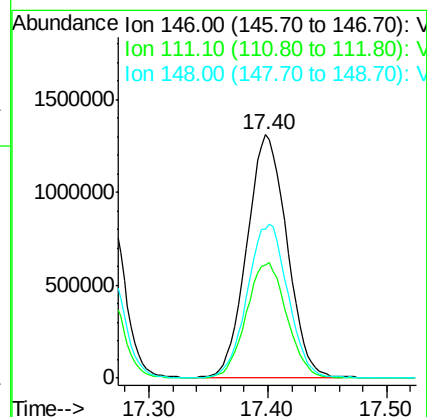
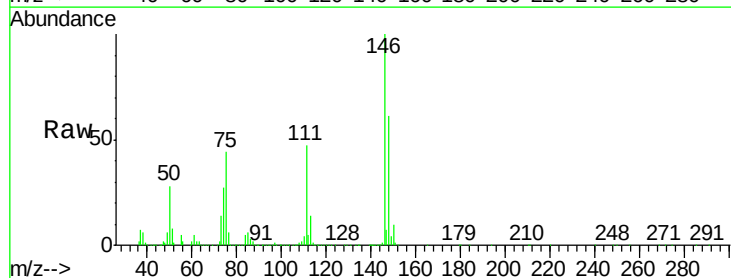
Tgt Ion:146 Resp: 3051015

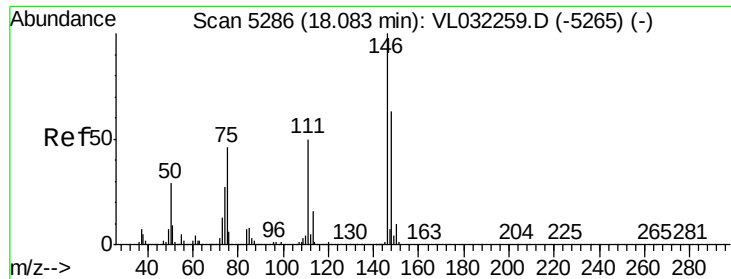
Ion Ratio Lower Upper

146 100

111 48.0 24.1 72.2

148 64.5 31.9 95.9





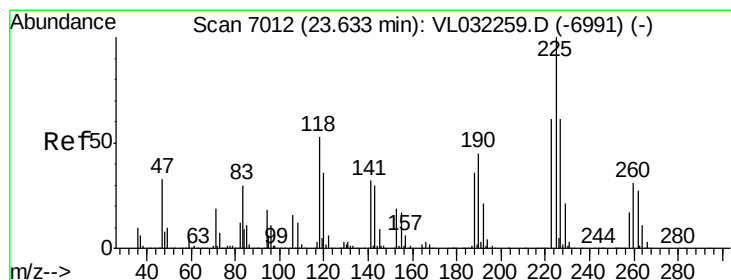
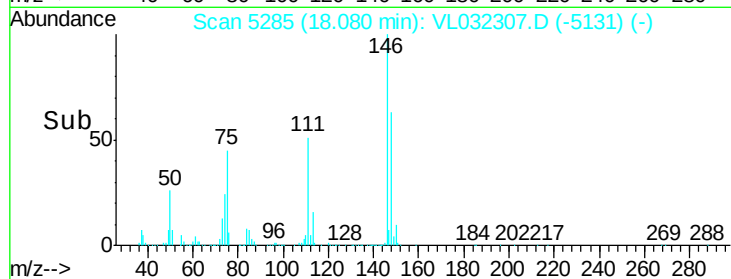
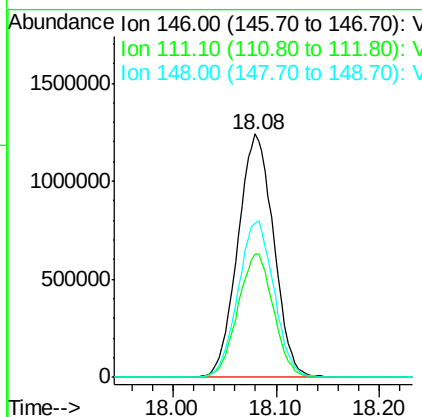
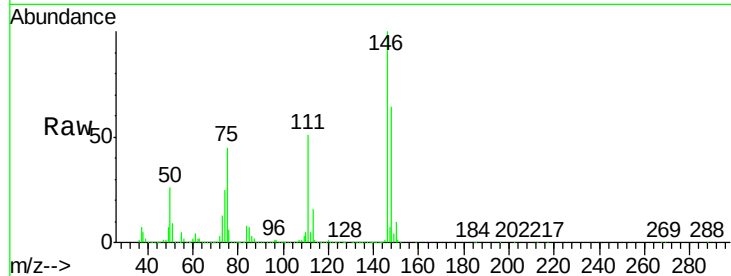
#77
 1,2-Dichlorobenzene
 Concen: 9.62 ppbv
 RT: 18.08 min Scan# 5285
 Delta R.T. -0.00 min
 Lab File: VL032307.D
 Acq: 20 Jul 2018 10:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:146 Resp: 2995063
 Ion Ratio Lower Upper
 146 100
 111 50.6 25.6 76.8
 148 64.3 31.9 95.5

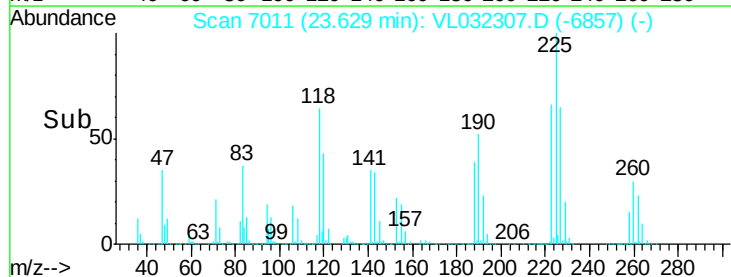
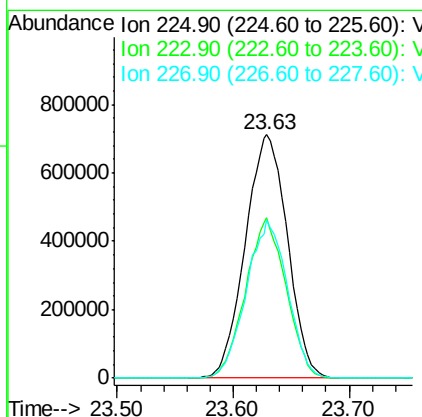
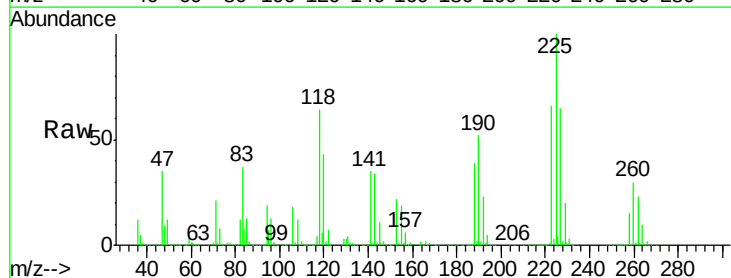
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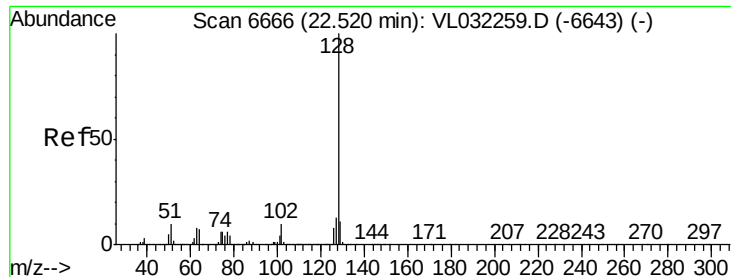
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#78
 Hexachloro-1,3-Butadiene
 Concen: 17.81 ppbv
 RT: 23.63 min Scan# 7011
 Delta R.T. -0.00 min
 Lab File: VL032307.D
 Acq: 20 Jul 2018 10:10

Tgt Ion:225 Resp: 1796809
 Ion Ratio Lower Upper
 225 100
 223 63.2 50.6 75.8
 227 63.2 51.5 77.3





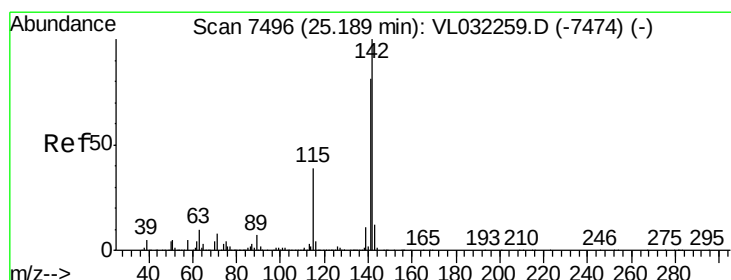
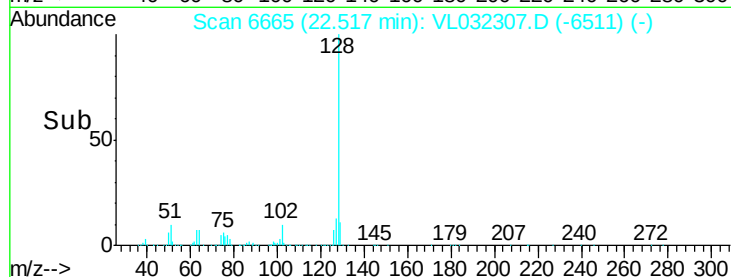
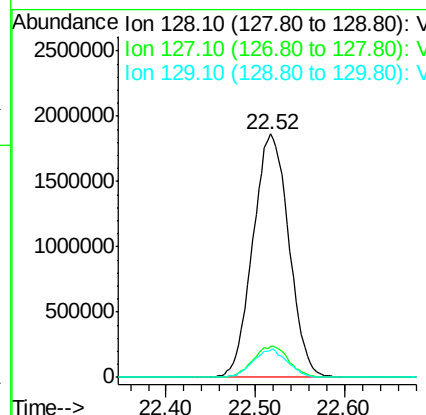
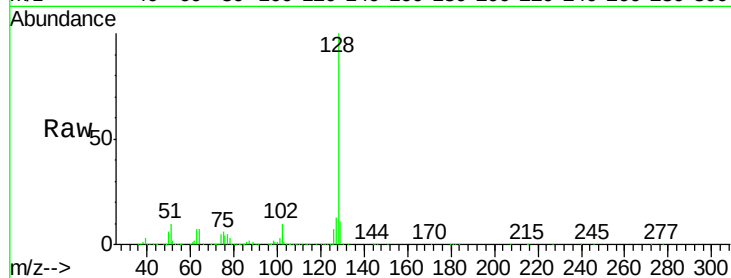
#79
Naphthalene
Concen: 10.75 ppbv
RT: 22.52 min Scan# 6665
Delta R.T. -0.00 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.6	10.5	15.7
129	11.0	8.6	12.8

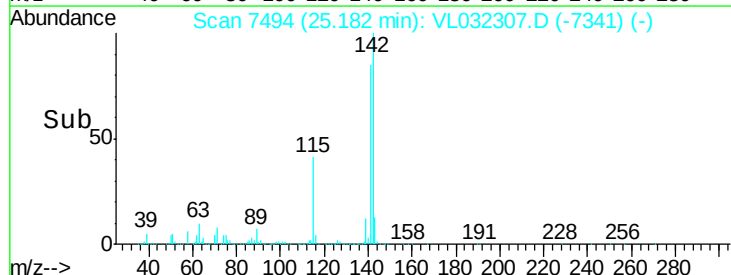
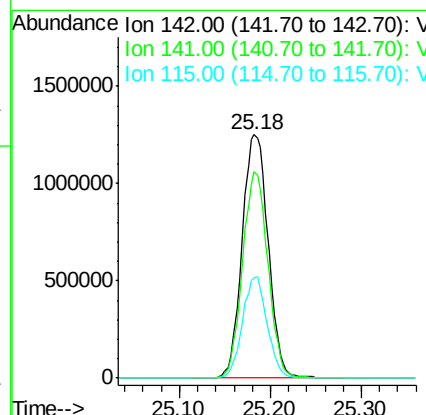
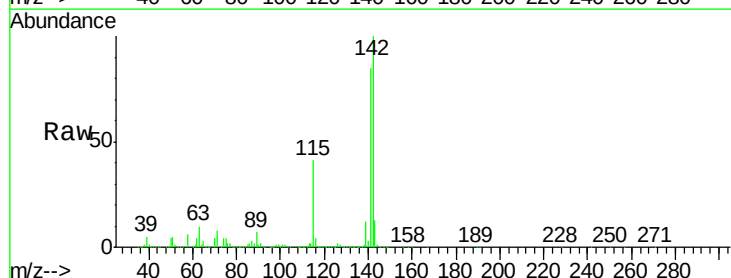
Manual Integrations
APPROVED

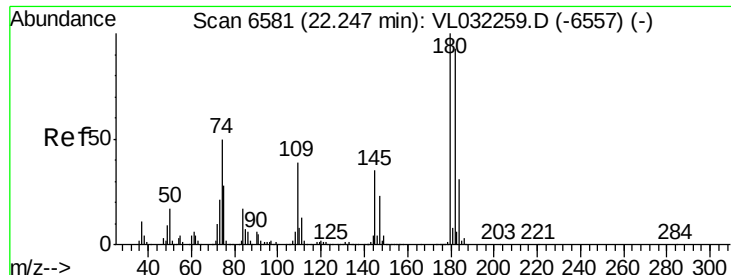
MMDadoda
7/20/2018 2:06:32 PM



#80
Naphthalene, 2-methyl-
Concen: 12.03 ppbv
RT: 25.18 min Scan# 7494
Delta R.T. -0.01 min
Lab File: VL032307.D
Acq: 20 Jul 2018 10:10

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.0	67.1	100.7
115	39.6	32.5	48.7





#81
 1,2,4-Trichlorobenzene
 Concen: 10.37 ppbv
 RT: 22.24 min Scan# 6580
 Delta R.T. -0.00 min
 Lab File: VL032307.D
 Acq: 20 Jul 2018 10:10

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.6	114.8
184	30.3	24.4	36.6

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:06:32 PM

