

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032260.D
 Acq On : 18 Jul 2018 10:00
 Operator : SY/AP
 Sample : VSTDIC002
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Manual Integrations
 APPROVED

MMDadoda
 7/20/2018 2:53:03 PM

Quant Time: Jul 18 12:44:02 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 09:58:24 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1762808	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3870172	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4410288	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3479406	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	626654	2.47	ppbv	99
3) Chlorodifluoromethane	3.06	51	413075	1.91	ppbv	100
4) Chloromethane	3.22	50	233988	1.90	ppbv	98
5) Vinyl Chloride	3.34	62	225481	1.86	ppbv	97
6) Bromomethane	3.57	94	125281	1.85	ppbv	100
7) Chloroethane	3.66	64	83770	2.00	ppbv	94
8) Dichlorotetrafluoroethane	3.27	85	508535	1.82	ppbv	100
9) Propene	3.09	41	182889	1.98	ppbv	99
10) Heptane	8.33	43	541859	2.07	ppbv	99
11) Trichlorofluoromethane	4.07	101	487800	2.01	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.62	101	314084	2.03	ppbv	98
13) Ethanol	3.71	45	49805m	1.87	ppbv	
14) Bromoethene	3.85	108	142134	1.94	ppbv	100
15) Acetone	3.97	43	387151	1.89	ppbv	100
16) 1,3-Butadiene	3.41	39	211344	2.04	ppbv	98
17) tert-Butyl alcohol	4.43	59	117744	1.23	ppbv	99
18) 1,1-Dichloroethene	4.42	96	151083	2.09	ppbv	96
19) Isopropyl Alcohol	4.09	45	238915	1.78	ppbv #	98
20) Methylene Chloride	4.47	84	153371	2.21	ppbv	94
21) Allyl Chloride	4.55	41	253215	2.11	ppbv	99
22) trans-1,2-Dichloroethene	5.04	96	152604	2.22	ppbv	99
23) Vinyl Acetate	5.22	43	686267	2.02	ppbv	99
24) 1,1-Dichloroethane	5.16	63	508347	2.13	ppbv	99
25) Ethyl Acetate	5.85	43	845040	2.09	ppbv	99
26) Hexane	5.86	57	401174	2.17	ppbv	96
27) Carbon Disulfide	4.69	76	341547	2.07	ppbv	96
28) Methyl tert-Butyl Ether	5.19	73	583582	2.01	ppbv	99
29) Chloroform	5.92	83	569026	2.00	ppbv	99
30) Cyclohexane	7.33	84	322451	1.98	ppbv	88
31) cis-1,2-Dichloroethene	5.71	61	368726	2.00	ppbv	98
32) 1,1,1-Trichloroethane	6.70	97	590918	2.14	ppbv	99
34) 2-Butanone	5.41	43	564263	2.14	ppbv	100
35) Carbon Tetrachloride	7.22	117	565726	2.16	ppbv	98
36) Benzene	7.09	78	837908	2.18	ppbv	99
37) 1,2-Dichloroethane	6.49	62	472328	2.24	ppbv	100
38) Trichloroethene	8.04	130	270727	2.05	ppbv	93
39) 1,2-Dichloropropane	7.82	63	317292	2.08	ppbv	98
40) 1,4-Dioxane	8.06	88	85354	1.63	ppbv #	1
41) Tetrahydrofuran	6.23	42	331155	2.24	ppbv	99
42) Bromodichloromethane	8.00	83	607013	2.02	ppbv	99
43) Methyl Methacrylate	8.22	69	317838	2.14	ppbv	98

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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	1426294	2.16	ppbv	98
45) t-1,3-Dichloropropene	9.50	75	417692	2.36	ppbv	97
46) cis-1,3-Dichloropropene	8.92	75	465900	1.93	ppbv	98
47) 1,1,2-Trichloroethane	9.70	97	324742	1.90	ppbv	96
48) Dibromochloromethane	10.54	129	535759	2.11	ppbv	99
49) Bromoform	13.30	173	450474	2.21	ppbv	99
50) 4-Methyl-2-Pentanone	8.96	43	880529	1.93	ppbv	99
51) 2-Hexanone	10.37	43	765606m	2.01	ppbv	
52) Tetrachloroethene	11.46	164	273181	1.92	ppbv	97
53) Toluene	10.03	91	1022968	2.25	ppbv	99
54) 1,2-Dibromoethane	10.85	107	541991	2.15	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.37	131	425408	2.22	ppbv #	1
57) Chlorobenzene	12.40	112	779033	2.09	ppbv	97
58) Ethyl Benzene	12.95	91	1338708	2.08	ppbv	99
59) m/p-Xylene	13.24	91	2262808m	4.28	ppbv	
60) o-Xylene	13.94	91	1187195	2.28	ppbv	100
61) Styrene	13.78	104	827117	2.12	ppbv	99
62) Isopropylbenzene	14.92	105	1639326	2.24	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.93	83	919625	2.17	ppbv	99
64) n-propylbenzene	15.81	120	429789	2.32	ppbv	88
65) tert-Butylbenzene	17.00	119	1471192	2.40	ppbv	98
66) Benzyl Chloride	17.25	91	781355	2.52	ppbv	100
67) sec-Butylbenzene	17.55	105	2215525	2.48	ppbv	99
69) p-Isopropyltoluene	17.91	119	1715230	2.46	ppbv	100
70) n-Butylbenzene	18.80	91	1906411	2.48	ppbv	99
71) 2-Chlorotoluene	15.71	91	1371109	2.38	ppbv	99
72) 4-Ethyltoluene	16.09	105	1362939	2.33	ppbv	99
73) 1,3,5-Trimethylbenzene	16.25	105	1338100	2.46	ppbv	99
74) 1,2,4-Trimethylbenzene	17.02	105	1423556	2.56	ppbv	97
75) 1,3-Dichlorobenzene	17.25	146	763529	2.30	ppbv	98
76) 1,4-Dichlorobenzene	17.40	146	745115	2.29	ppbv	99
77) 1,2-Dichlorobenzene	18.08	146	740792m	2.25	ppbv	
78) Hexachloro-1,3-Butadiene	23.63	225	244209	2.38	ppbv	97
79) Naphthalene	22.52	128	1285532	3.44	ppbv	98
80) Naphthalene, 2-methyl-	25.19	142	577857	4.84	ppbv	99
81) 1,2,4-Trichlorobenzene	22.25	180	607984	3.25	ppbv	99

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

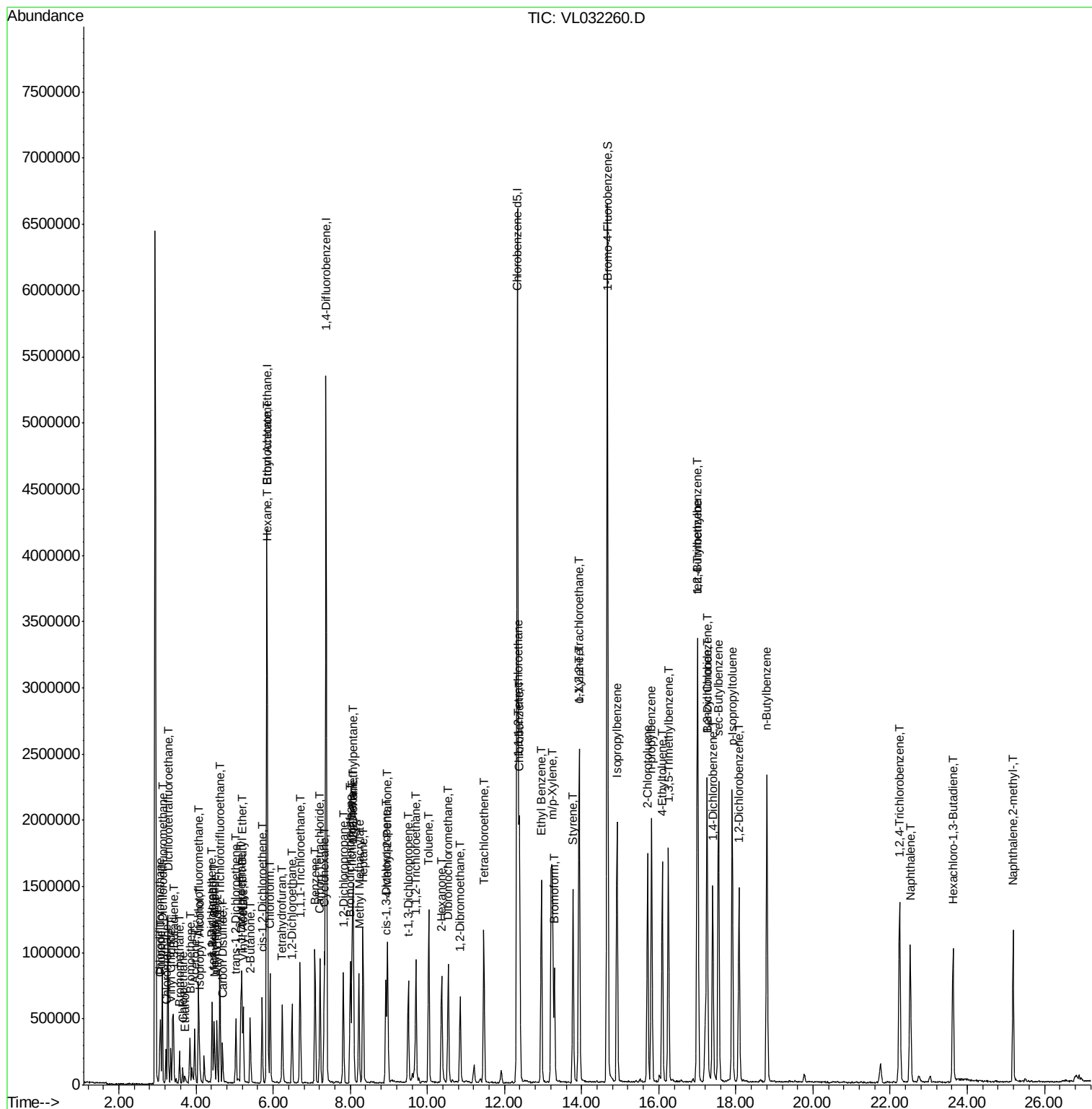
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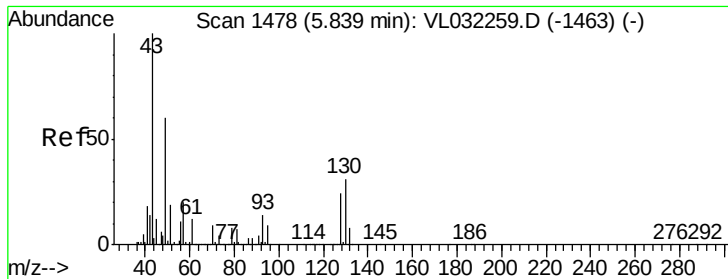
Instrument :
MSVOA_L
ClientSampleId :
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QLast Update : Wed Jul 18 09:58:24 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.84 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 49 Resp: 1762808

Ion Ratio Lower Upper

49 100

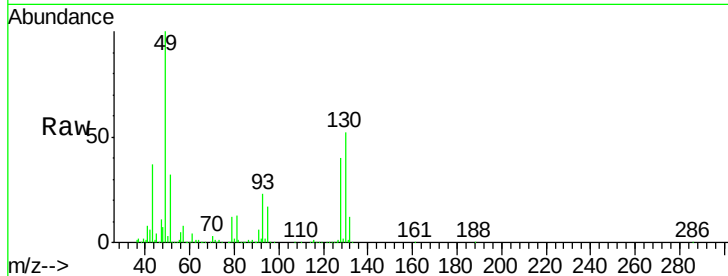
128 40.5 20.1 60.2

130 52.6 25.9 77.6

Manual Integrations
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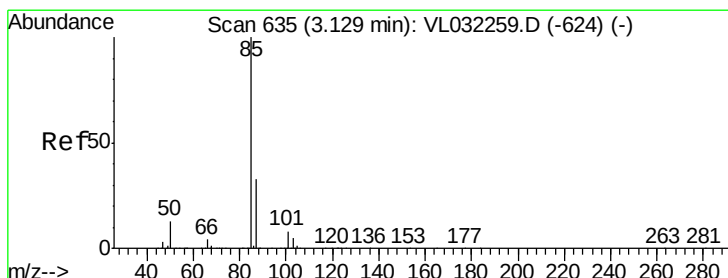
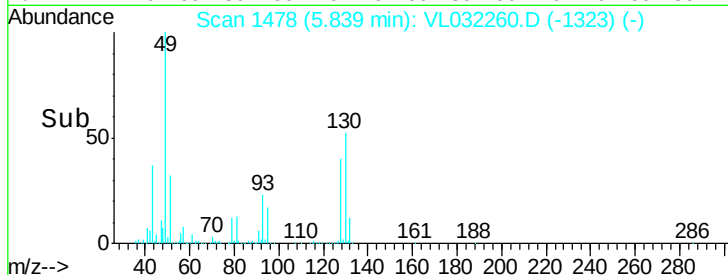
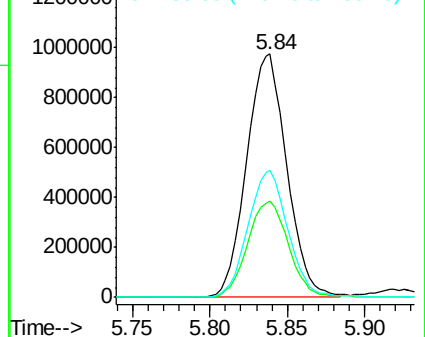
7/20/2018 2:53:03 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 2.47 ppbv

RT: 3.13 min Scan# 635

Delta R.T. -0.00 min

Lab File: VL032260.D

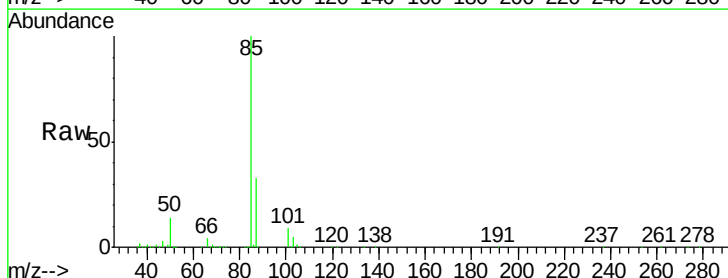
Acq: 18 Jul 2018 10:00

Tgt Ion: 85 Resp: 626654

Ion Ratio Lower Upper

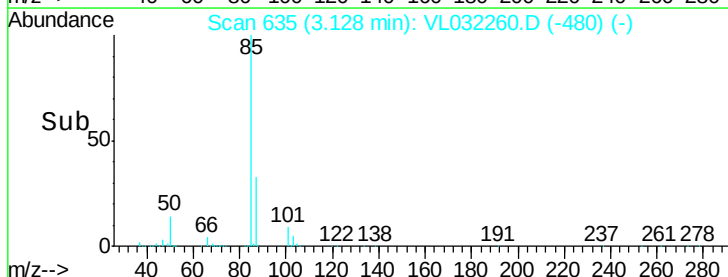
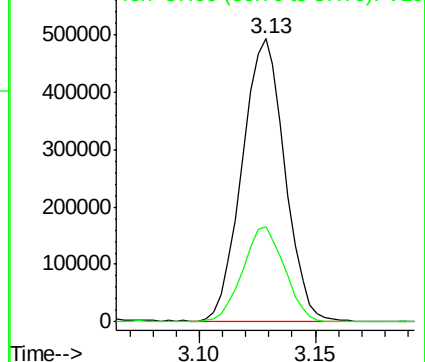
85 100

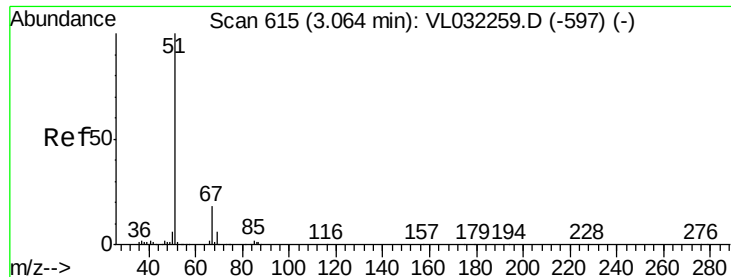
87 33.4 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.91 ppbv

RT: 3.06 min Scan# 615

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 51 Resp: 413075

Ion Ratio Lower Upper

51 100

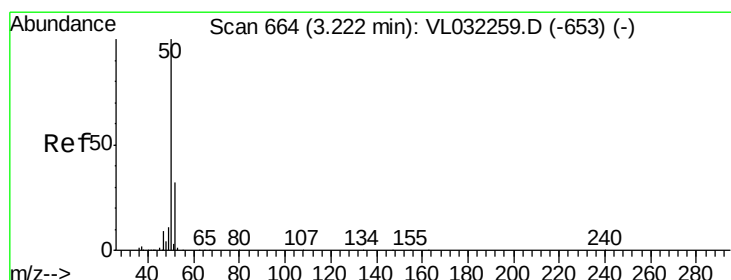
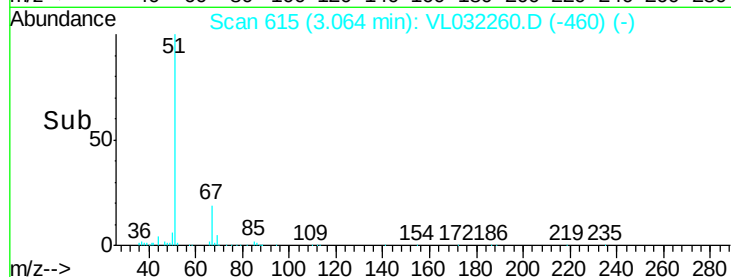
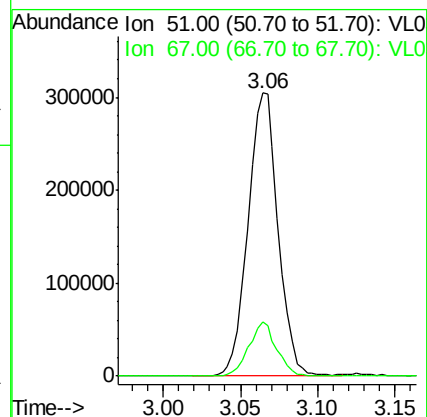
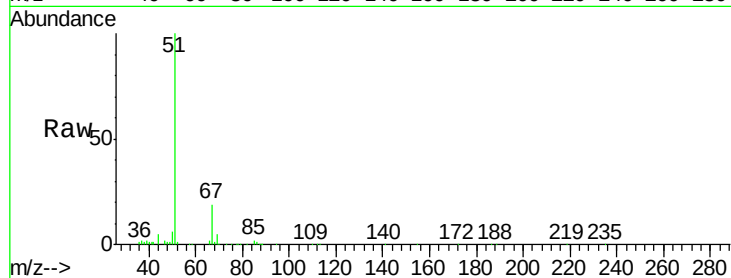
67 17.8 14.2 21.4

Manual Integrations

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#4

Chloromethane

Concen: 1.90 ppbv

RT: 3.22 min Scan# 665

Delta R.T. 0.00 min

Lab File: VL032260.D

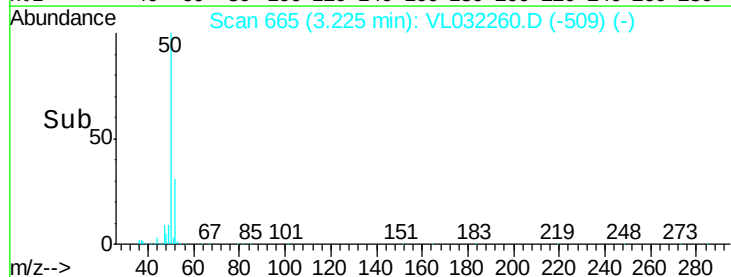
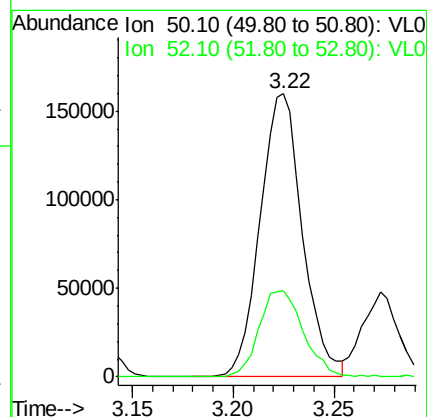
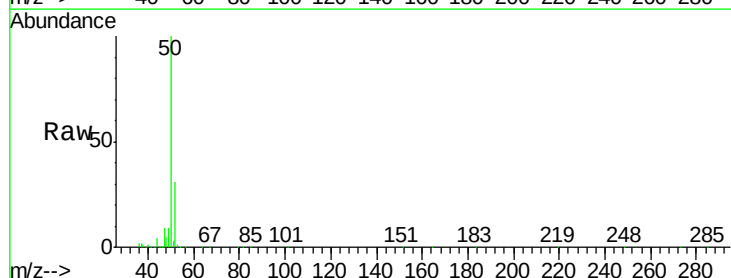
Acq: 18 Jul 2018 10:00

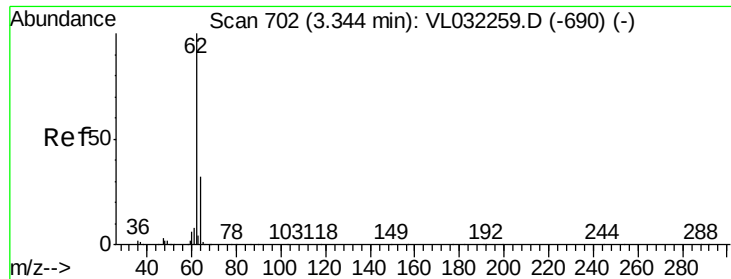
Tgt Ion: 50 Resp: 233988

Ion Ratio Lower Upper

50 100

52 30.7 25.3 37.9





#5

Vinyl Chloride

Concen: 1.86 ppbv

RT: 3.34 min Scan# 702

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 62 Resp: 225481

Ion Ratio Lower Upper

62 100

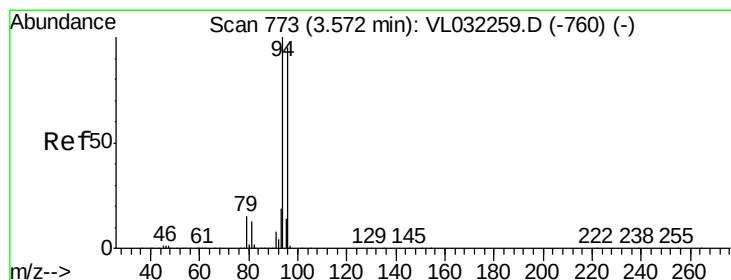
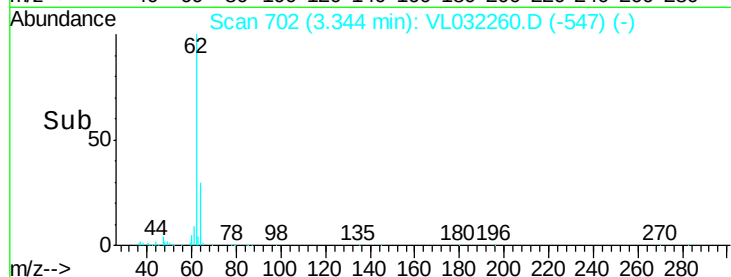
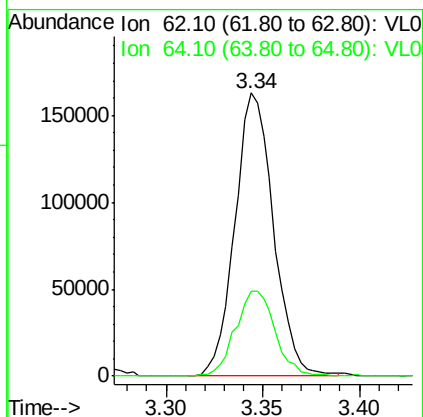
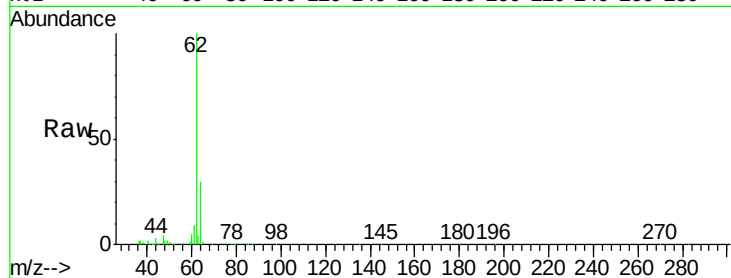
64 30.0 25.3 37.9

Manual Integrations

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#6

Bromomethane

Concen: 1.85 ppbv

RT: 3.57 min Scan# 773

Delta R.T. -0.00 min

Lab File: VL032260.D

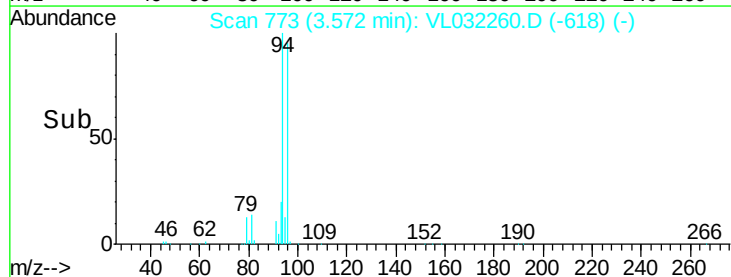
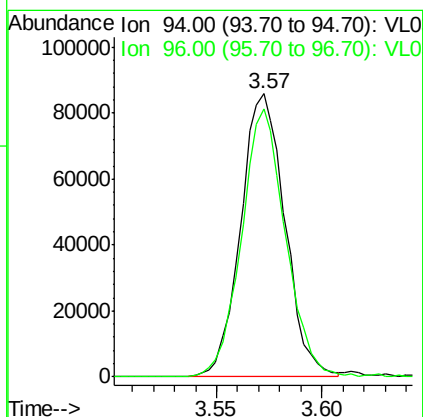
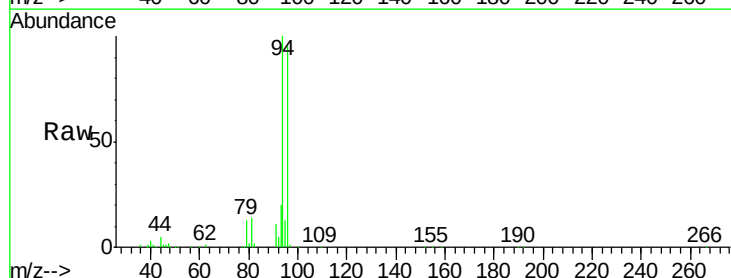
Acq: 18 Jul 2018 10:00

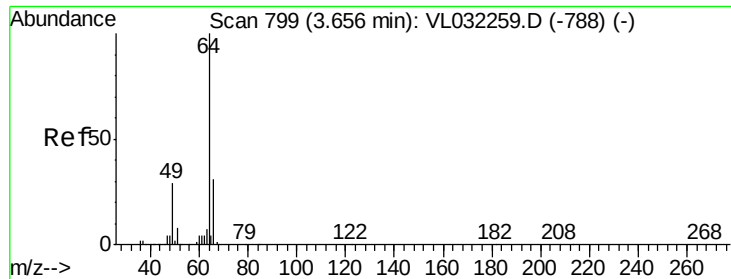
Tgt Ion: 94 Resp: 125281

Ion Ratio Lower Upper

94 100

96 94.9 76.1 114.1





#7

Chloroethane

Concen: 2.00 ppbv

RT: 3.66 min Scan# 800

Delta R.T. 0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 64 Resp: 83770

Ion Ratio Lower Upper

64 100

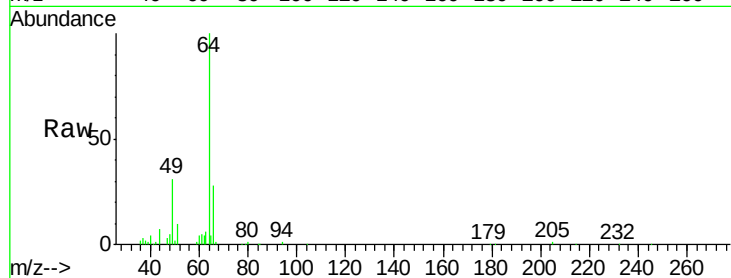
66 28.1 25.0 37.4

Manual Integrations

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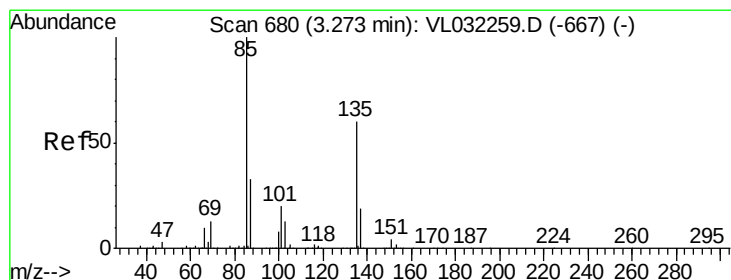
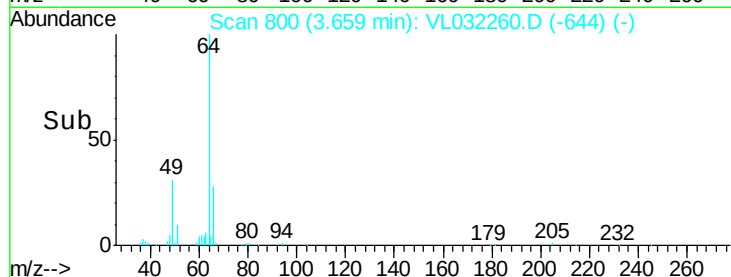
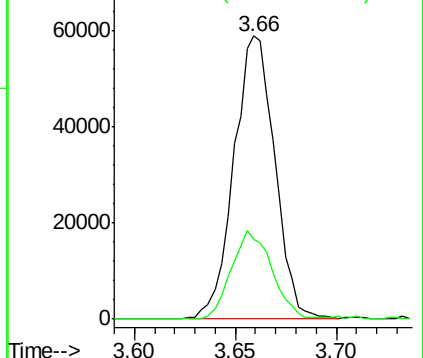
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 1.82 ppbv

RT: 3.27 min Scan# 680

Delta R.T. -0.00 min

Lab File: VL032260.D

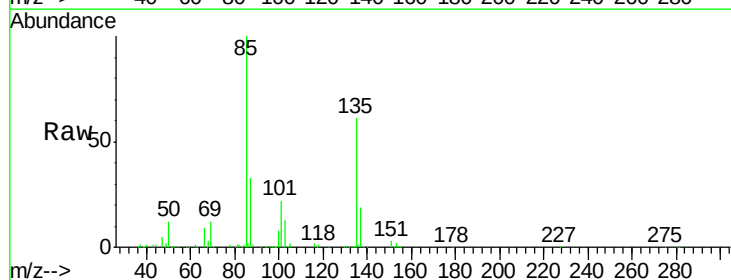
Acq: 18 Jul 2018 10:00

Tgt Ion: 85 Resp: 508535

Ion Ratio Lower Upper

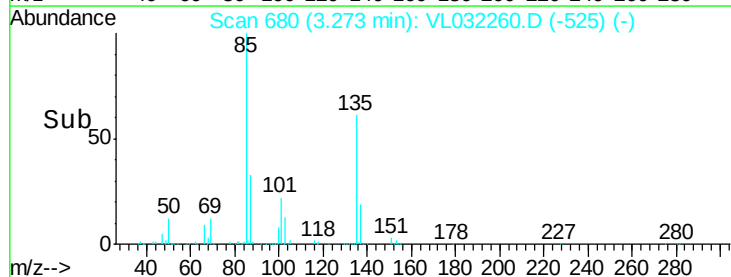
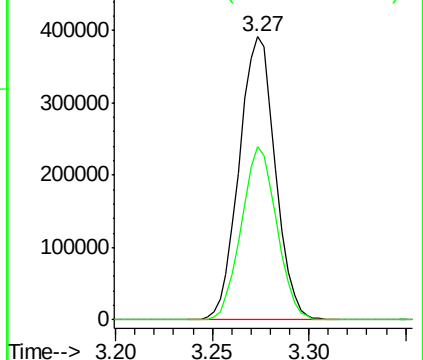
85 100

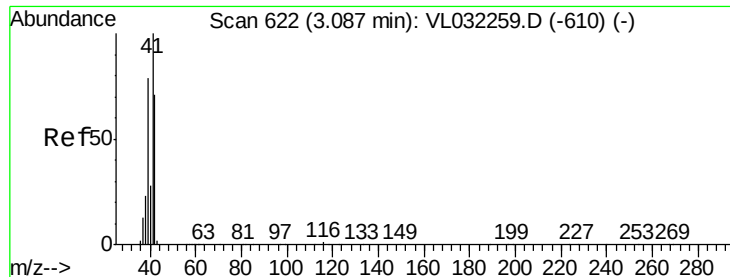
135 60.0 47.8 71.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 1.98 ppbv

RT: 3.09 min Scan# 622

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 41 Resp: 182889

Ion Ratio Lower Upper

41 100

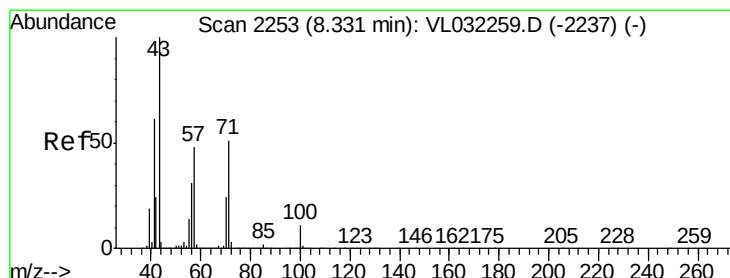
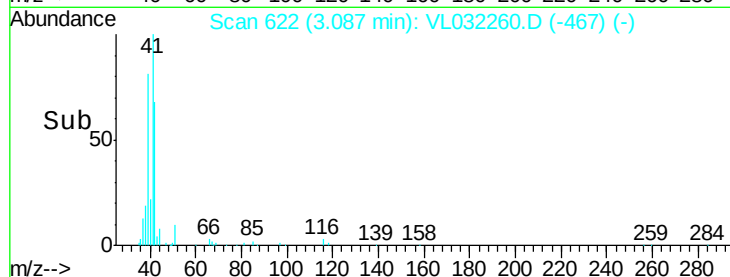
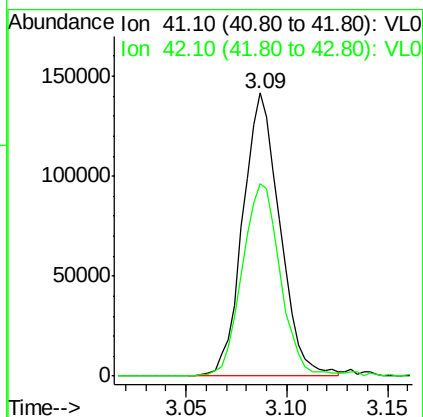
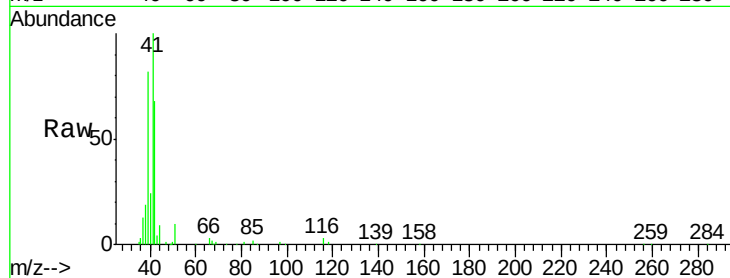
42 70.7 56.2 84.4

Manual Integrations

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#10

Heptane

Concen: 2.07 ppbv

RT: 8.33 min Scan# 2253

Delta R.T. -0.00 min

Lab File: VL032260.D

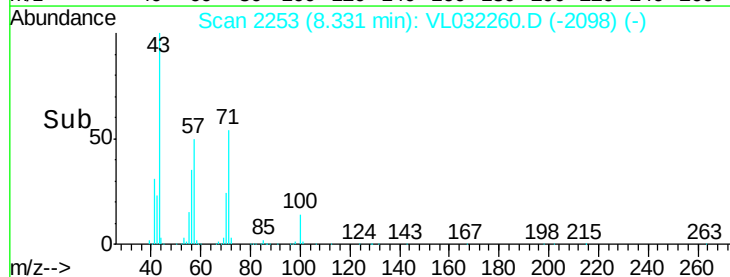
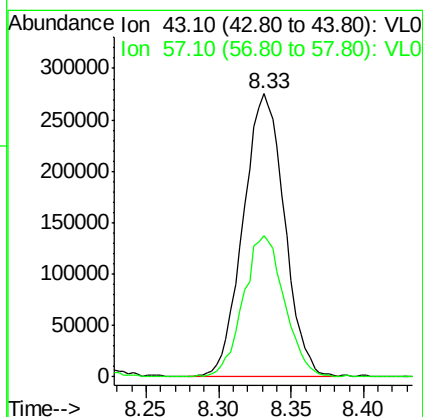
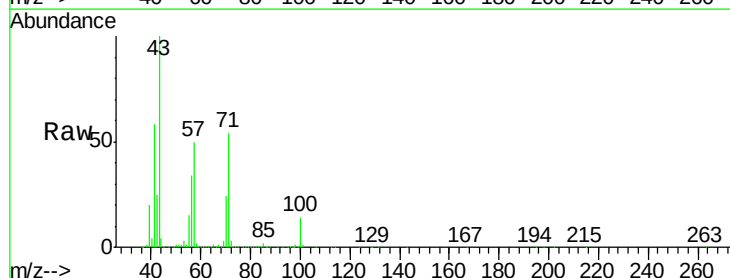
Acq: 18 Jul 2018 10:00

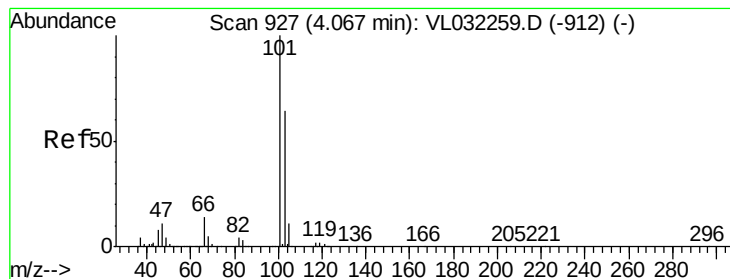
Tgt Ion: 43 Resp: 541859

Ion Ratio Lower Upper

43 100

57 50.3 39.9 59.9





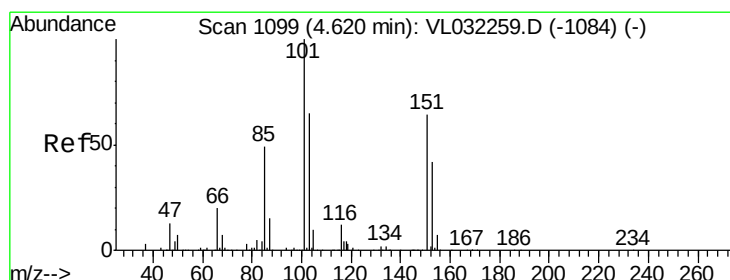
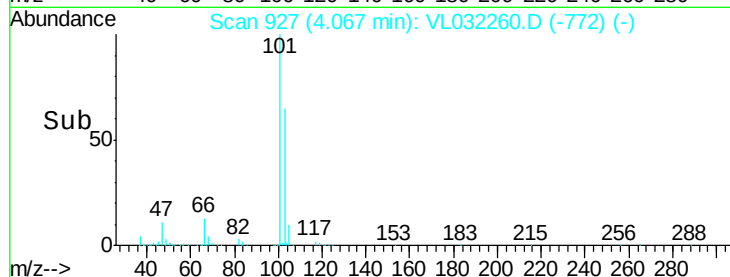
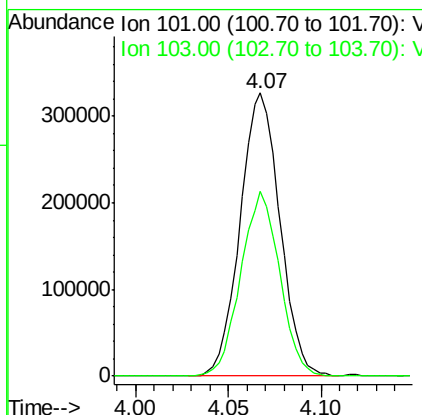
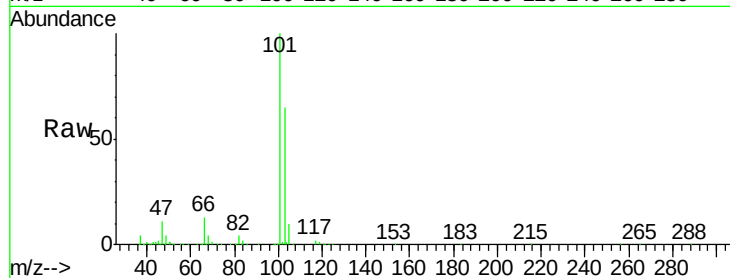
#11
 Trichlorofluoromethane
 Concen: 2.01 ppbv
 RT: 4.07 min Scan# 927
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
101	100		
103	65.1	51.5	77.3

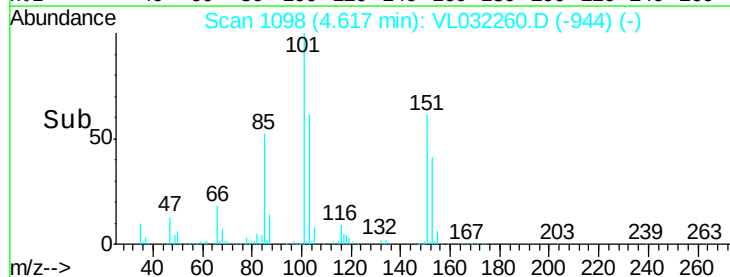
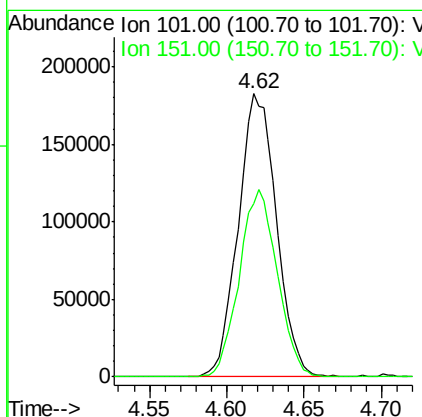
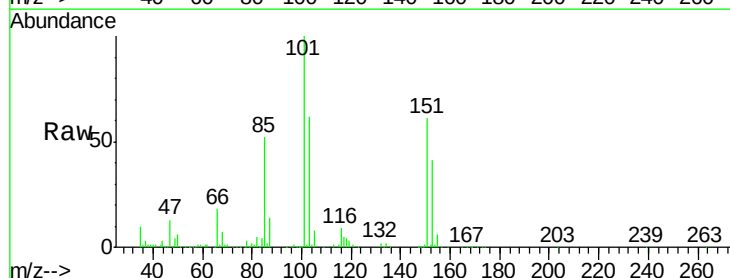
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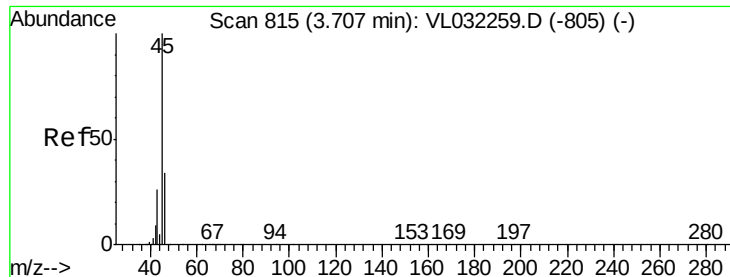
MMDadoda
 7/20/2018 2:53:03 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.03 ppbv
 RT: 4.62 min Scan# 1098
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
101	100		
151	65.8	51.3	76.9





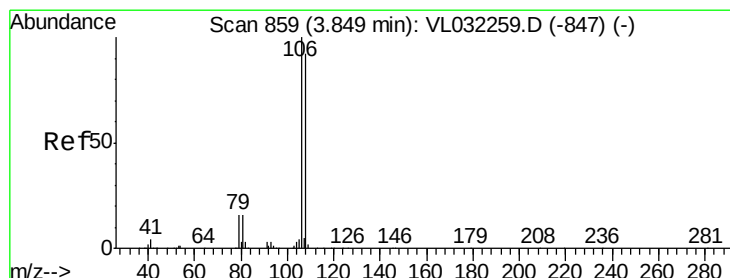
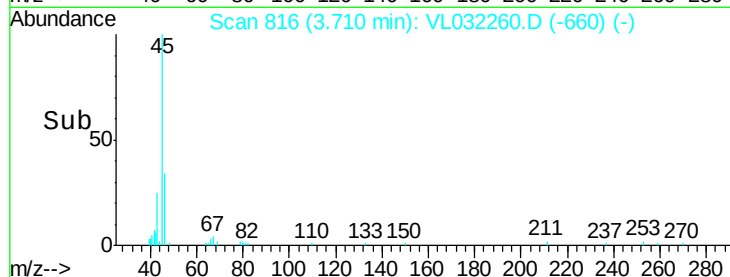
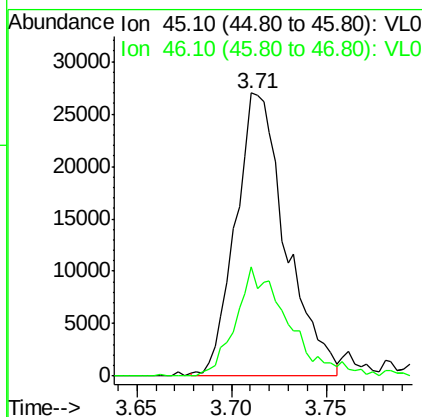
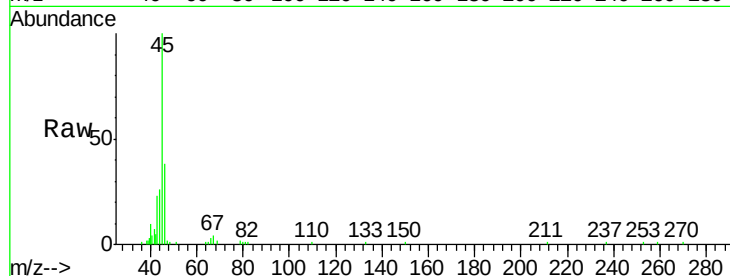
#13
Ethanol
Concen: 1.87 ppbv m
RT: 3.71 min Scan# 816
Delta R.T. 0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	45	Resp	49805
Ion Ratio	100	Lower	Upper
46	41.0	15.2	60.8

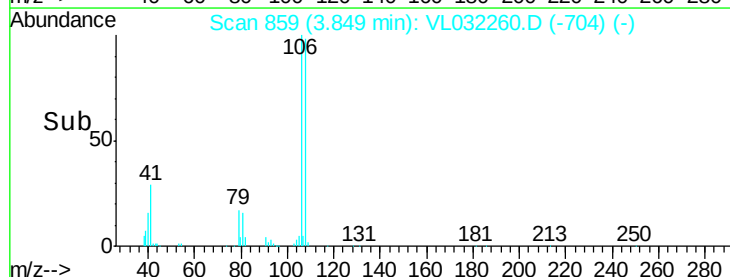
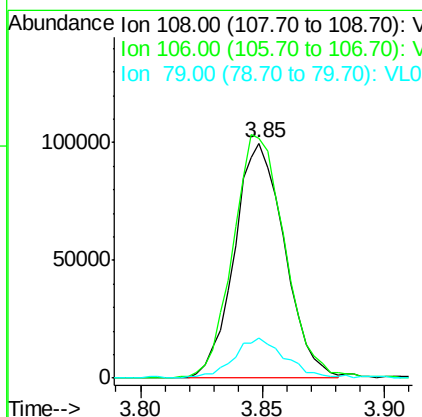
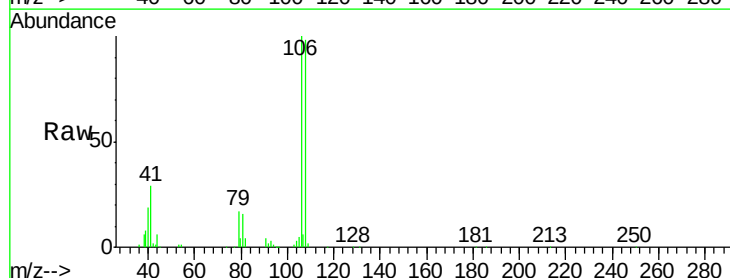
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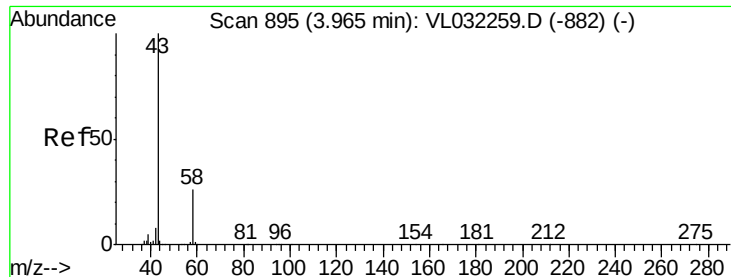
MMDadoda
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#14
Bromoethene
Concen: 1.94 ppbv
RT: 3.85 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion	108	Resp	142134
Ion Ratio	100	Lower	Upper
106	107.8	86.2	129.4
79	18.0	14.0	21.0





#15

Acetone

Concen: 1.89 ppbv

RT: 3.97 min Scan# 896

Delta R.T. 0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 43 Resp: 387151

Ion Ratio Lower Upper

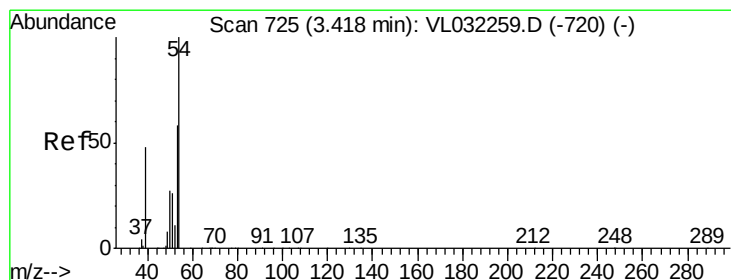
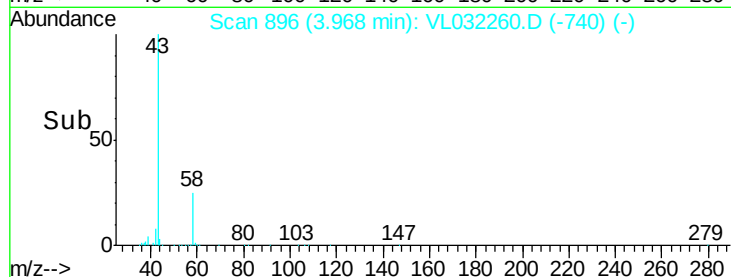
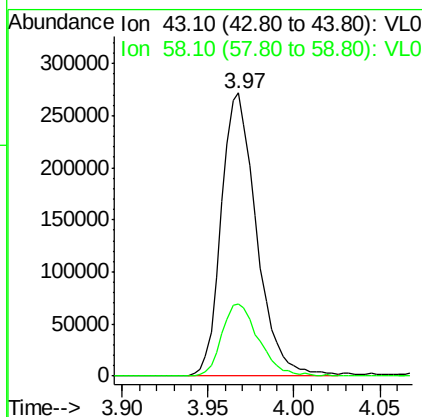
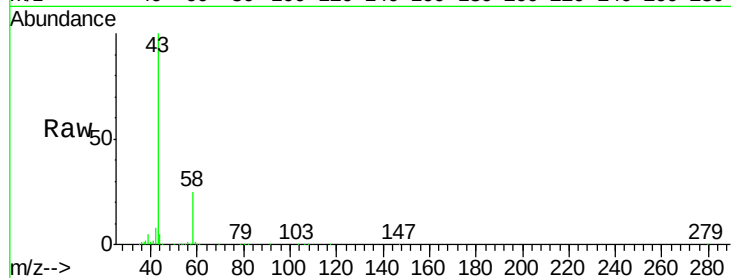
43 100

58 27.0 21.8 32.6

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#16

1,3-Butadiene

Concen: 2.04 ppbv

RT: 3.41 min Scan# 724

Delta R.T. -0.00 min

Lab File: VL032260.D

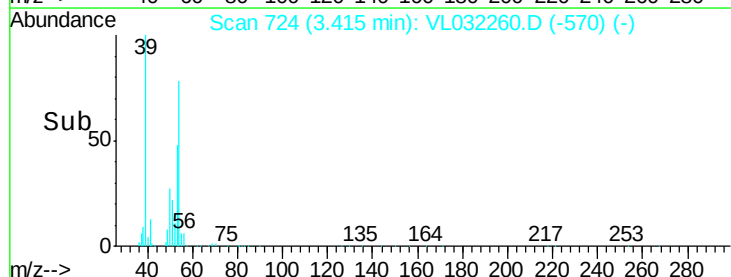
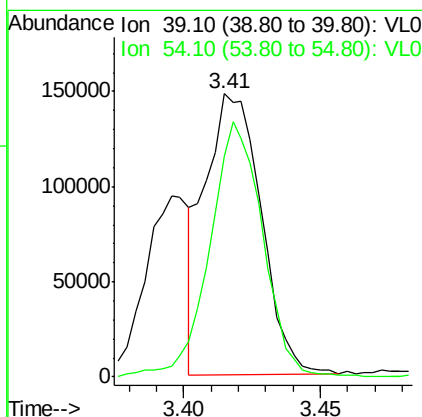
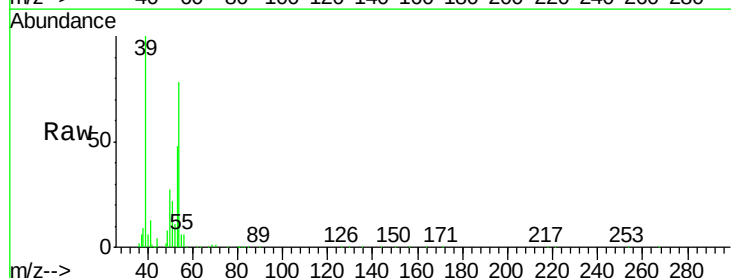
Acq: 18 Jul 2018 10:00

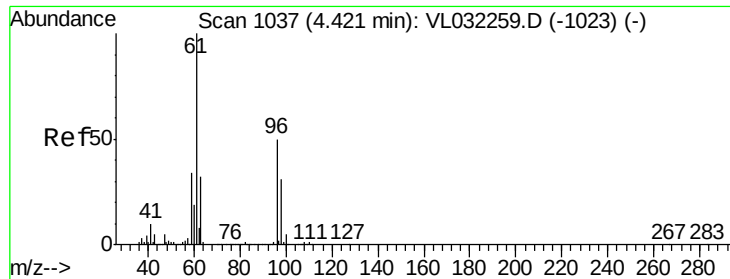
Tgt Ion: 39 Resp: 211344

Ion Ratio Lower Upper

39 100

54 86.3 70.6 105.8





#17

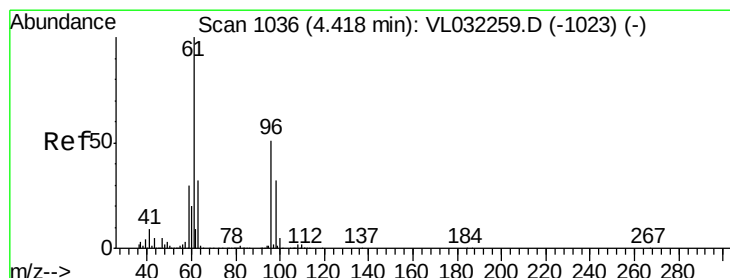
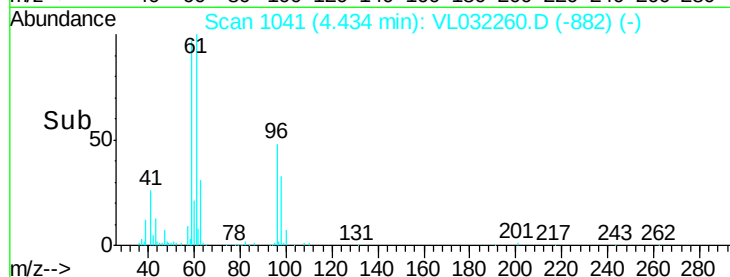
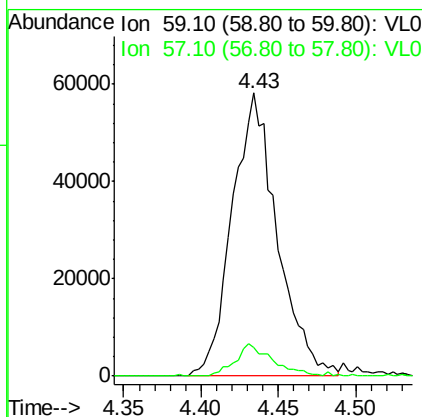
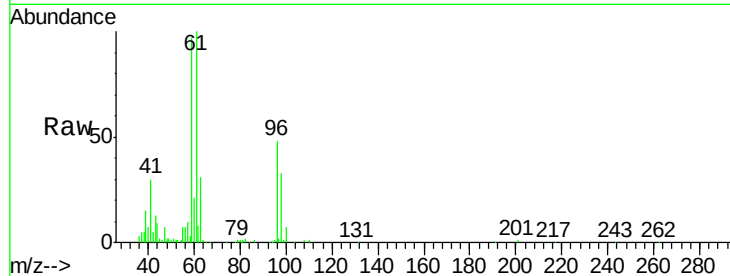
tert-Butyl alcohol
Concen: 1.23 ppbv
RT: 4.43 min Scan# 1041
Delta R.T. 0.01 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 59 Resp: 117744
Ion Ratio Lower Upper
59 100
57 9.8 8.2 12.4

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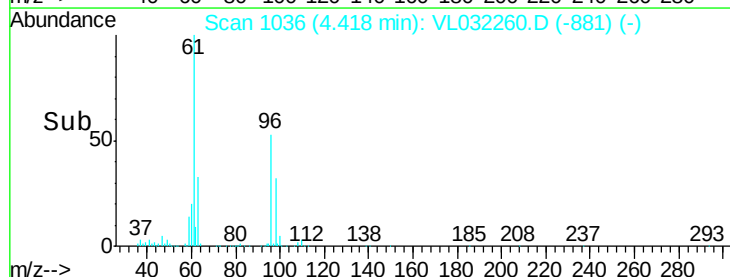
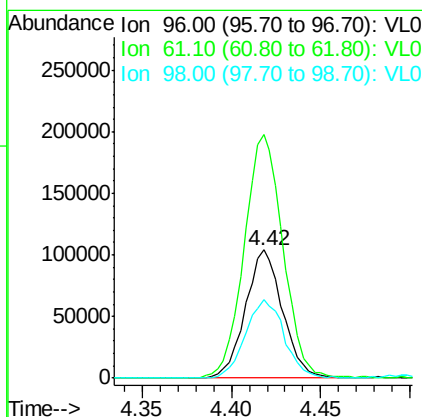
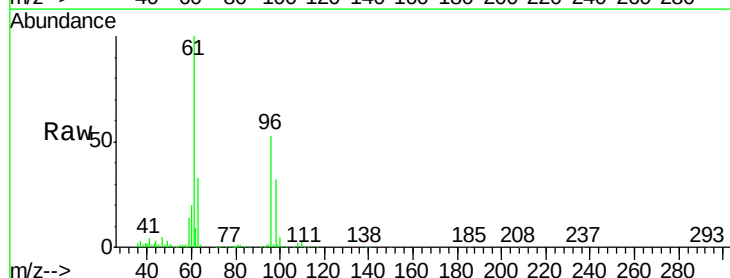
MMDadoda
7/20/2018 2:53:03 PM

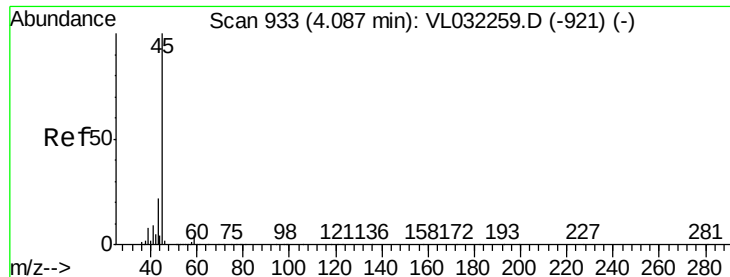


#18

1,1-Dichloroethene
Concen: 2.09 ppbv
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion: 96 Resp: 151083
Ion Ratio Lower Upper
96 100
61 190.0 157.2 235.8
98 61.4 50.1 75.1





#19

Isopropyl Alcohol

Concen: 1.78 ppbv

RT: 4.09 min Scan# 935

Delta R.T. 0.01 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 45 Resp: 238915

Ion Ratio Lower Upper

45 100

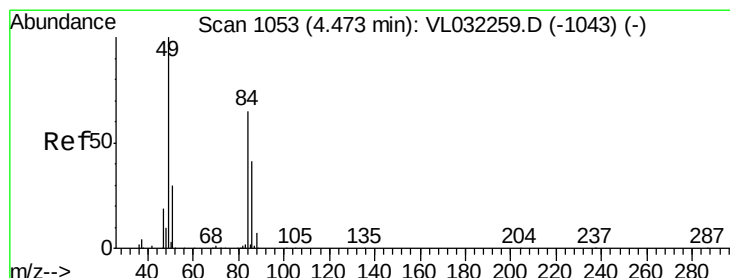
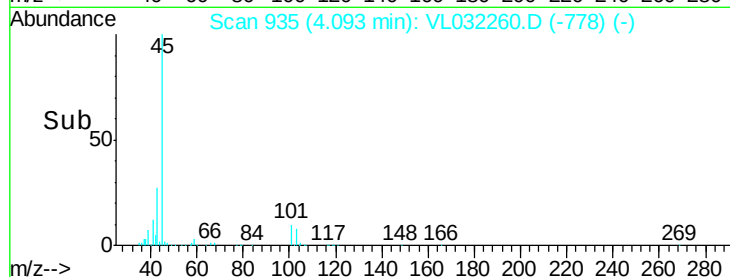
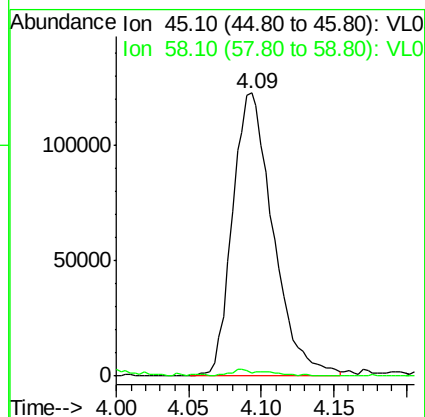
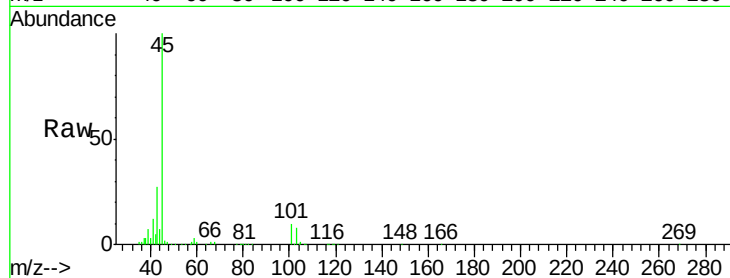
58 2.5 1.5 2.3#

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#20

Methylene Chloride

Concen: 2.21 ppbv

RT: 4.47 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion: 84 Resp: 153371

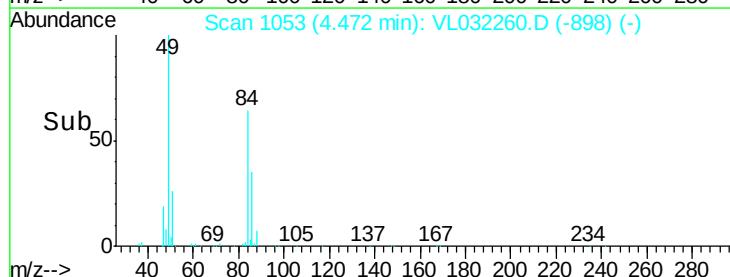
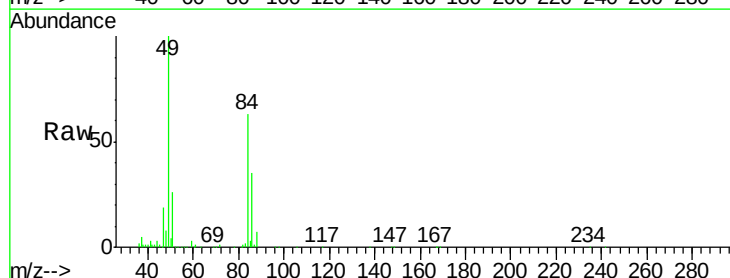
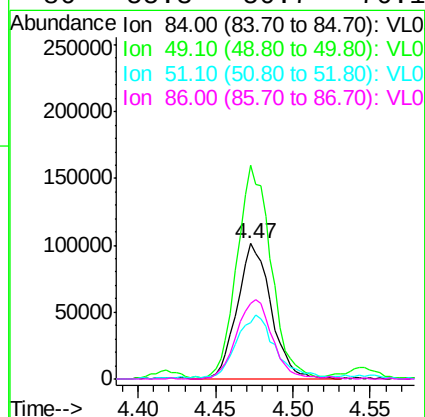
Ion Ratio Lower Upper

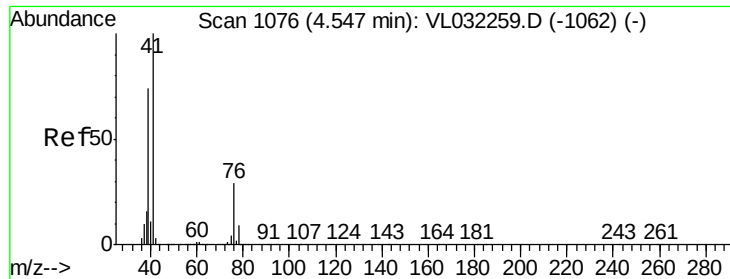
84 100

49 157.0 122.4 183.6

51 40.1 36.8 55.2

86 55.3 50.7 76.1





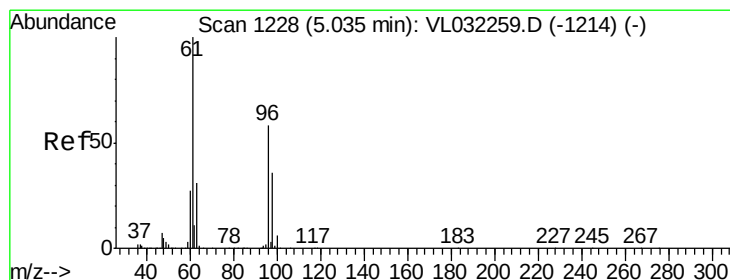
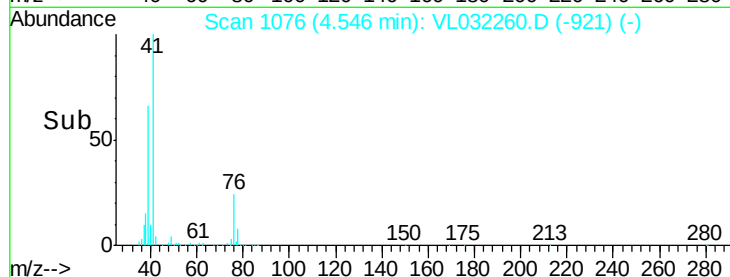
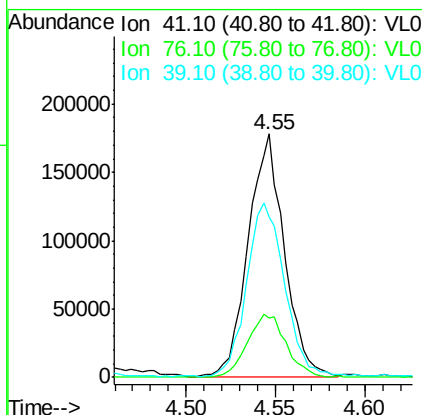
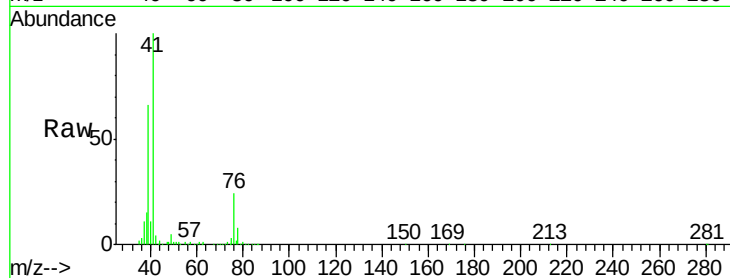
#21
Allvl Chloride
Concen: 2.11 ppbv
RT: 4.55 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
41	100		
76	27.8	23.0	34.6
39	75.9	60.2	90.4

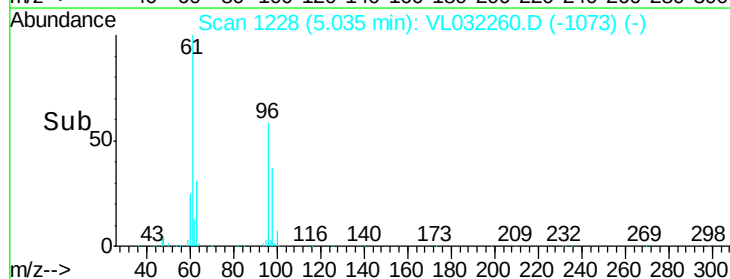
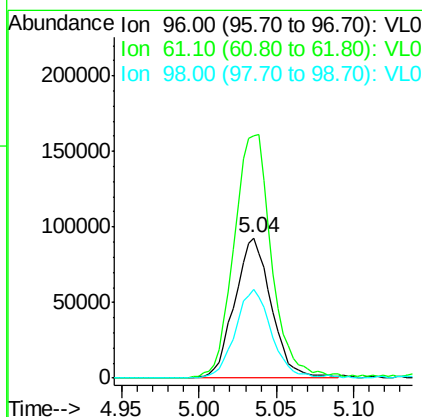
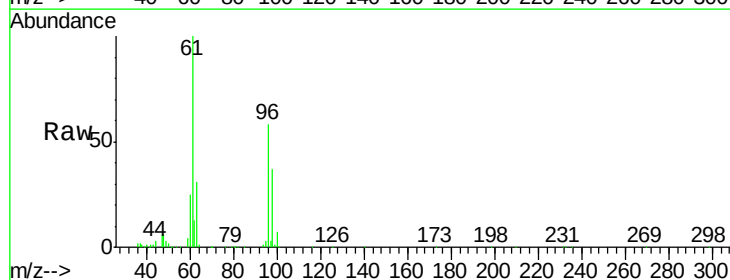
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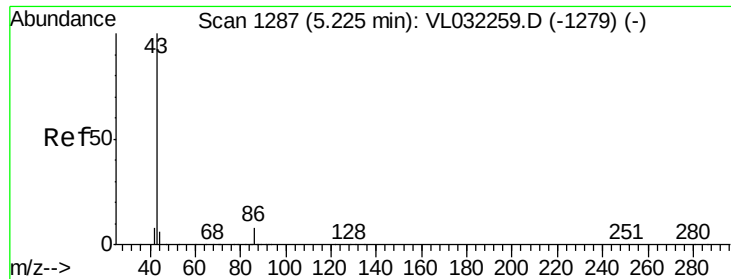
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 2.22 ppbv
RT: 5.04 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.4	137.4	206.0
98	63.2	49.6	74.4





#23

Vinyl Acetate

Concen: 2.02 ppbv

RT: 5.22 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

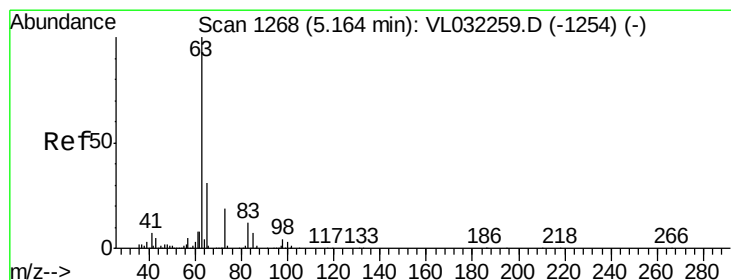
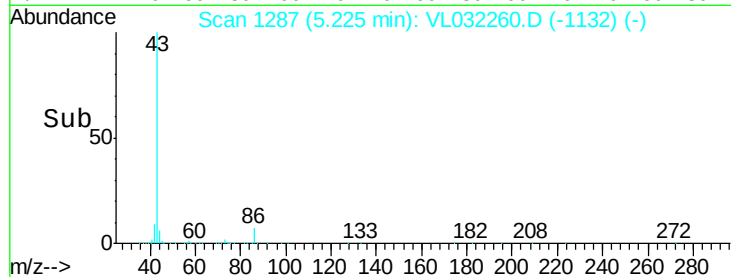
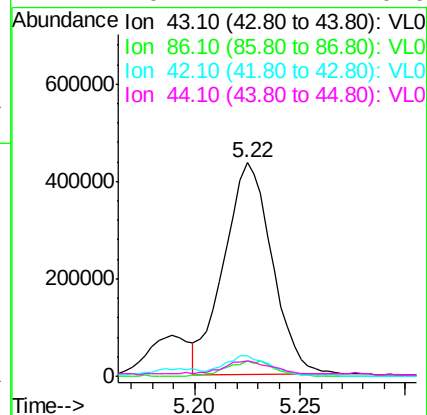
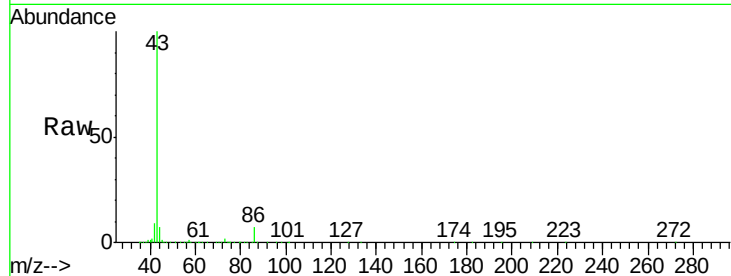
ClientSampleId :

VSTDIC002

Tot Ion	43	Resp	686267
Ion Ratio	Lower	Upper	
43	100		
86	7.3	5.9	8.9
42	9.3	7.3	10.9
44	6.1	4.4	6.6

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7/20/2018 2:53:03 PM



#24

1,1-Dichloroethane

Concen: 2.13 ppbv

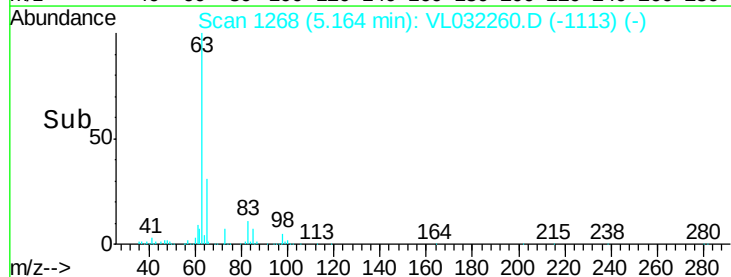
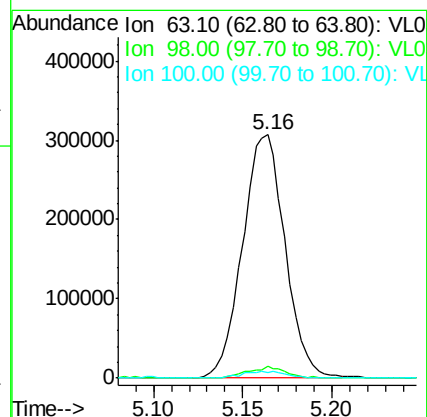
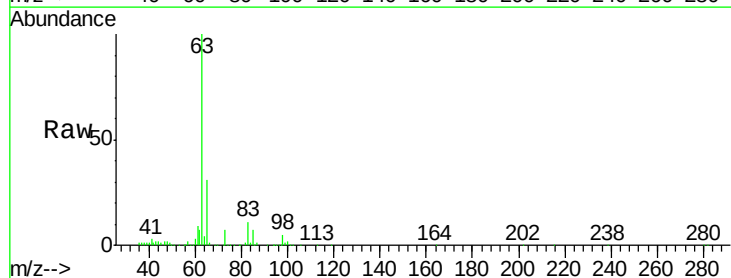
RT: 5.16 min Scan# 1268

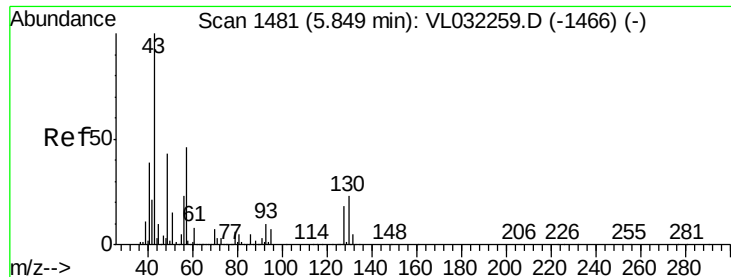
Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion	63	Resp	508347
Ion Ratio	Lower	Upper	
63	100		
98	4.6	2.1	6.3
100	2.4	1.3	3.9





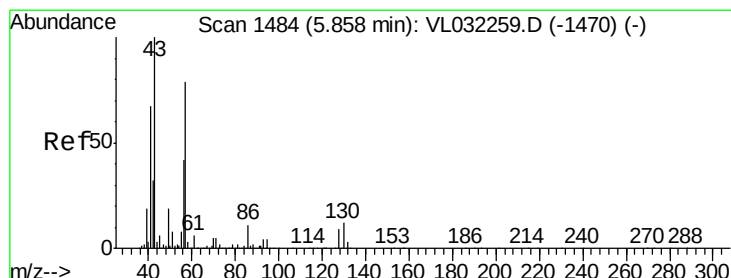
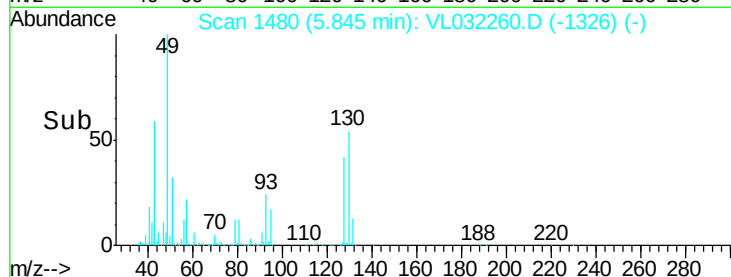
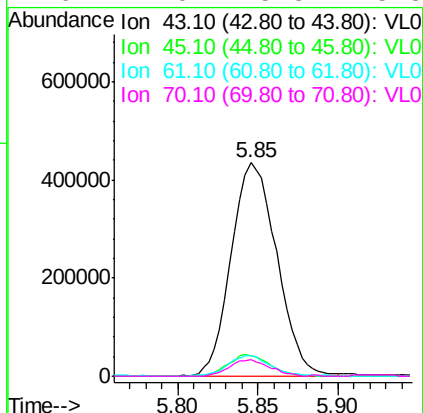
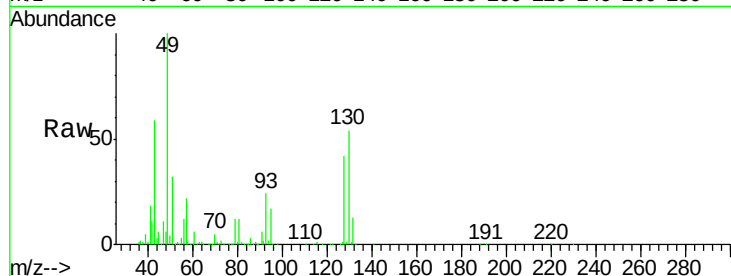
#25
Ethyl Acetate
Concen: 2.09 ppbv
RT: 5.85 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.9	11.9
61	9.5	7.6	11.4
70	7.0	5.8	8.8

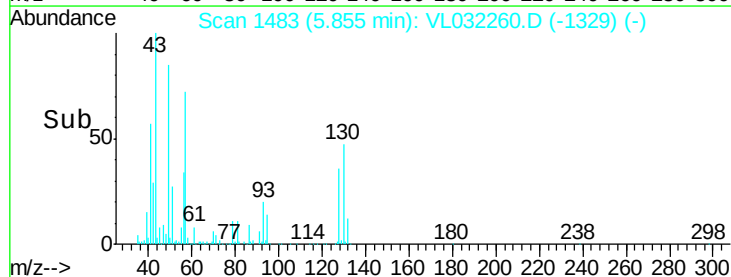
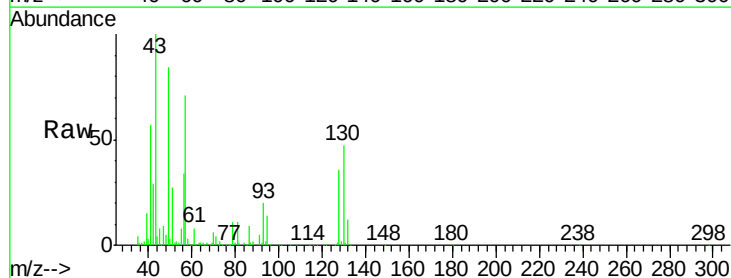
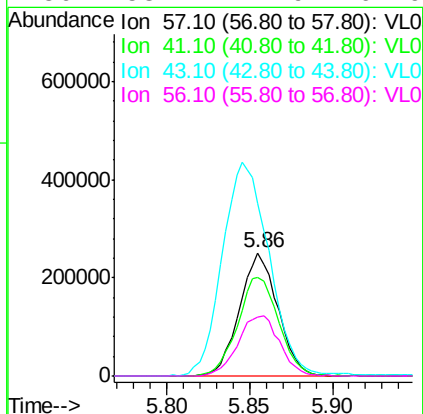
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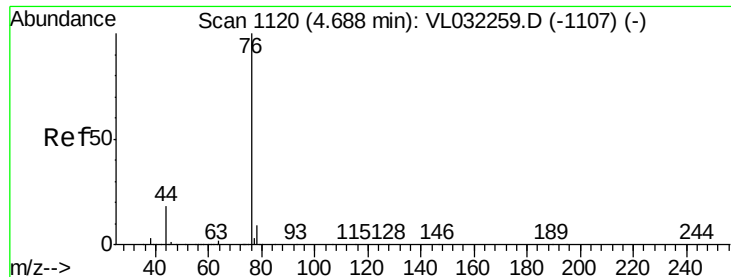
MMDadoda
7/20/2018 2:53:03 PM



#26
Hexane
Concen: 2.17 ppbv
RT: 5.86 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
57	100		
41	87.7	67.9	101.9
43	213.3	175.9	263.9
56	53.7	41.9	62.9





#27

Carbon Disulfide

Concen: 2.07 ppbv

RT: 4.69 min Scan# 1121

Delta R.T. 0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

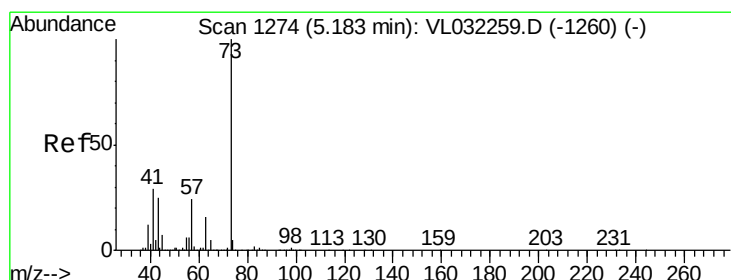
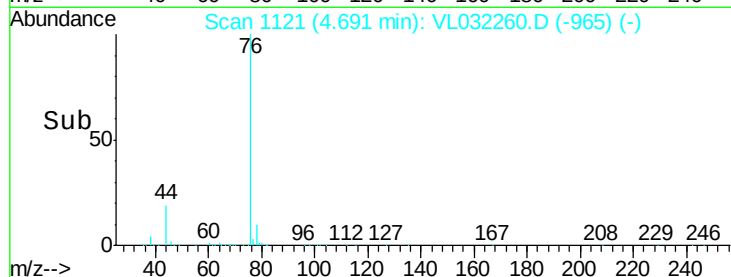
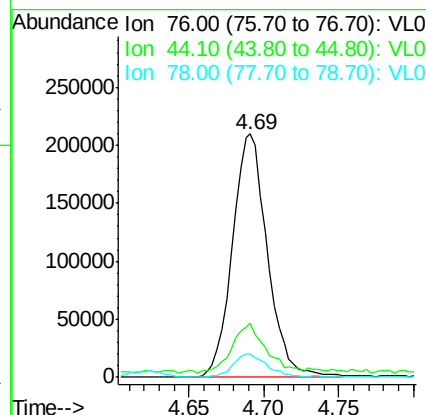
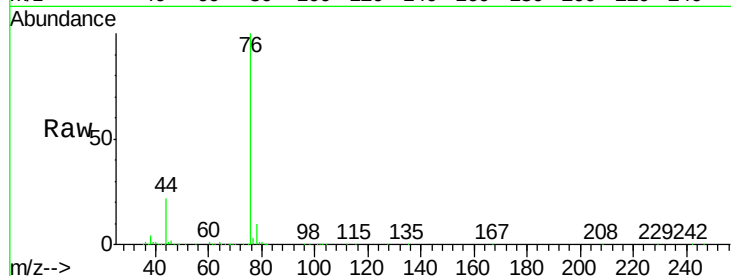
ClientSampleId :

VSTDIC002

Tot Ion:	76	Resp:	341547
Ion	Ratio	Lower	Upper
76	100		
44	20.5	14.3	21.5
78	9.2	7.4	11.0

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#28

Methyl tert-Butyl Ether

Concen: 2.01 ppbv

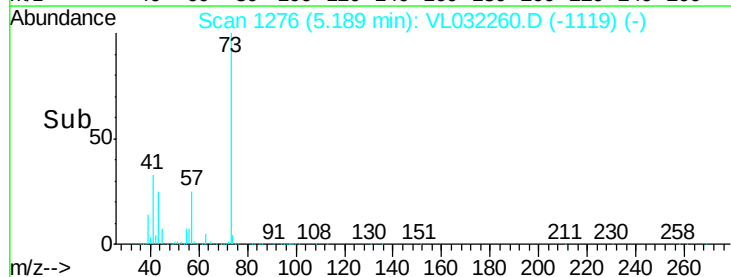
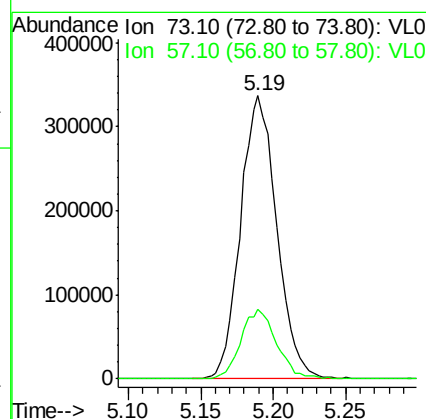
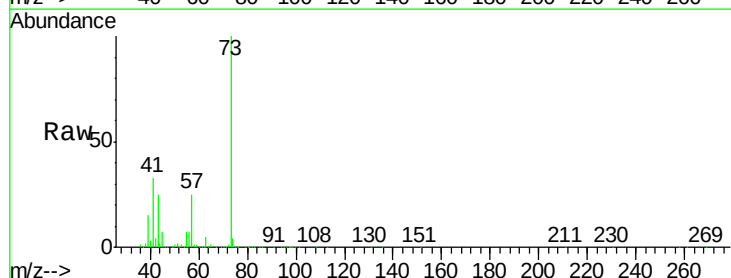
RT: 5.19 min Scan# 1276

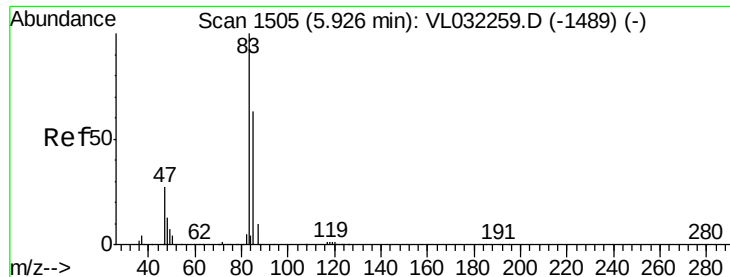
Delta R.T. 0.01 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion:	73	Resp:	583582
Ion	Ratio	Lower	Upper
73	100		
57	24.5	19.3	28.9





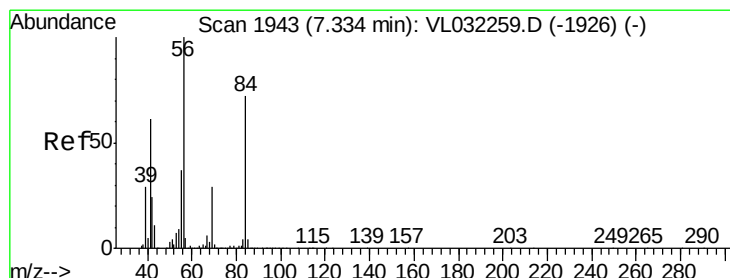
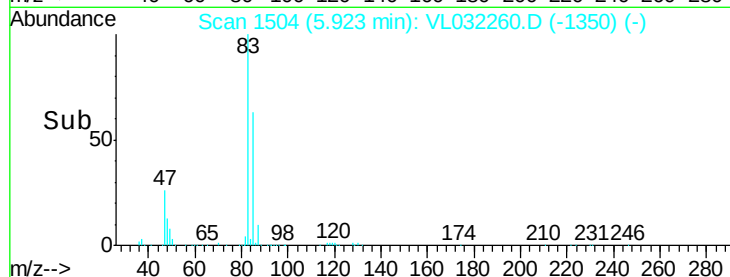
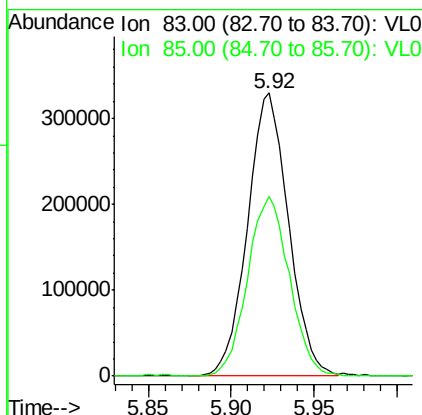
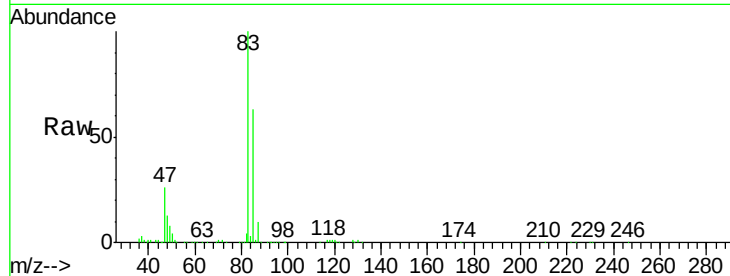
#29
Chloroform
Concen: 2.00 ppbv
RT: 5.92 min Scan# 1504
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 83 Resp: 569026
Ion Ratio Lower Upper
83 100
85 63.0 50.7 76.1

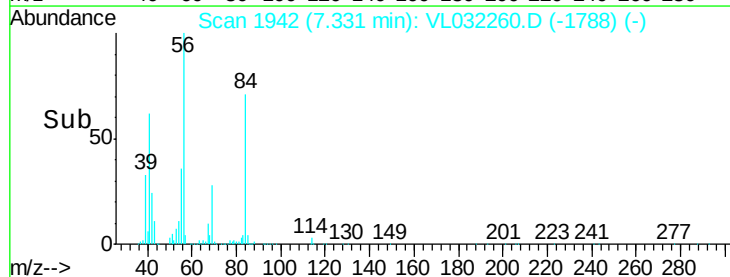
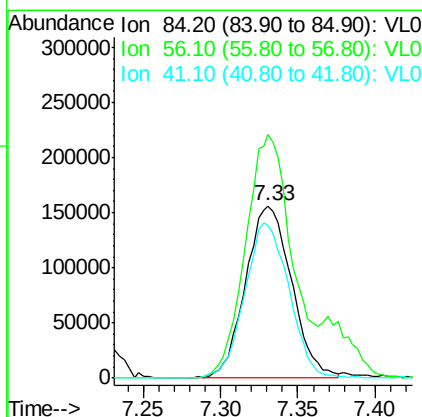
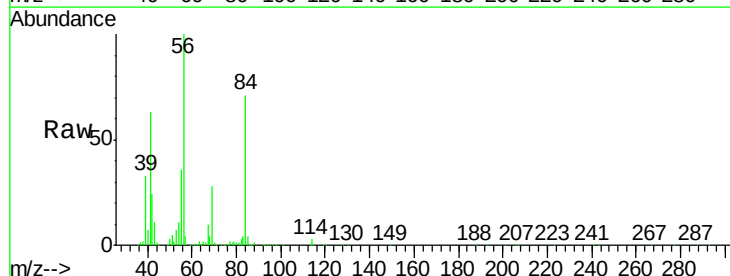
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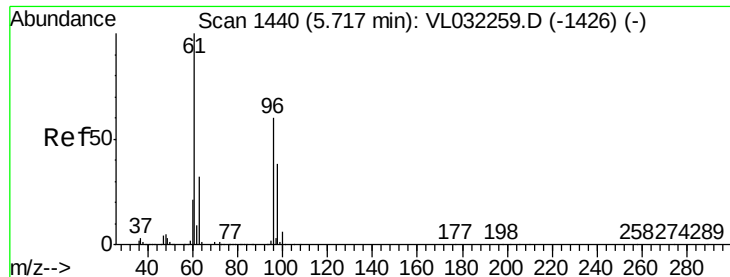
MMDadoda
7/20/2018 2:53:03 PM



#30
Cyclohexane
Concen: 1.98 ppbv
RT: 7.33 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion: 84 Resp: 322451
Ion Ratio Lower Upper
84 100
56 166.6 115.6 173.4
41 87.4 68.7 103.1





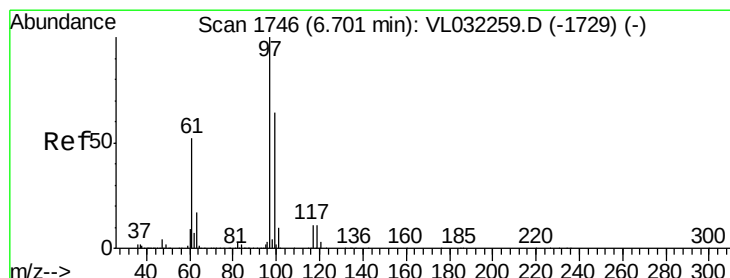
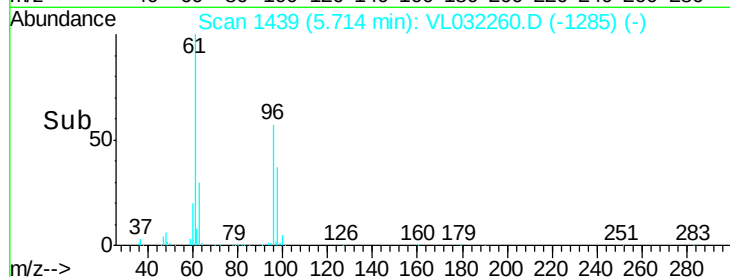
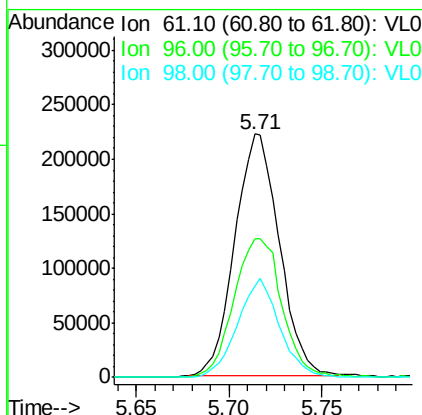
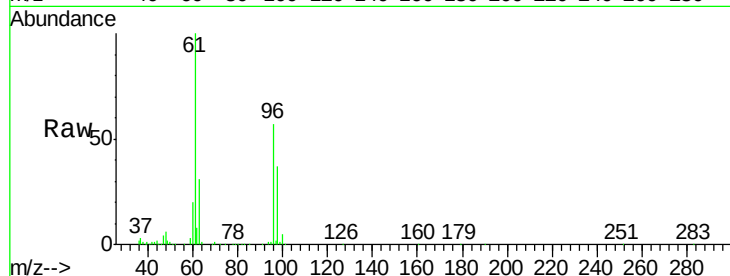
#31
 cis-1,2-Dichloroethene
 Concen: 2.00 ppbv
 RT: 5.71 min Scan# 1439
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
61	100		
96	57.4	47.9	71.9
98	37.5	30.5	45.7

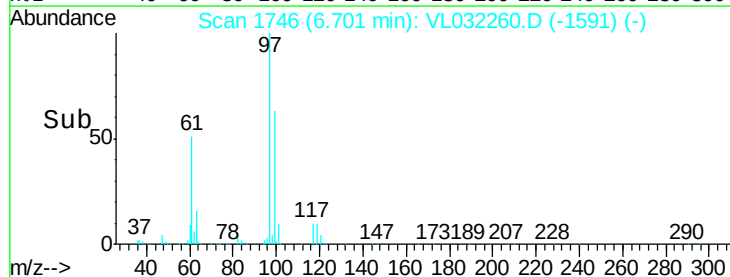
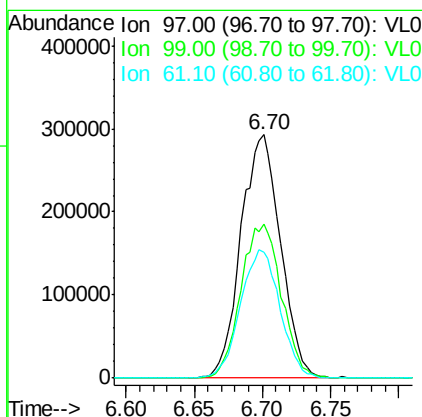
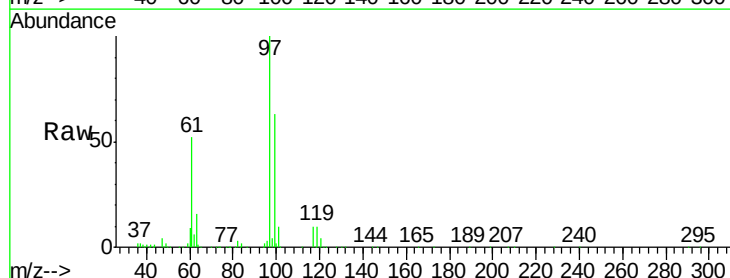
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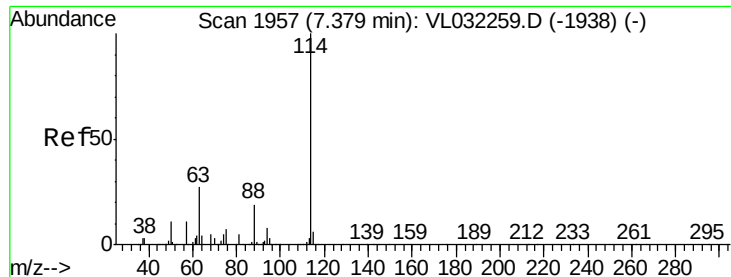
MMDadoda
 7/20/2018 2:53:03 PM



#32
 1,1,1-Trichloroethane
 Concen: 2.14 ppbv
 RT: 6.70 min Scan# 1746
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.0	76.6
61	52.6	41.2	61.8





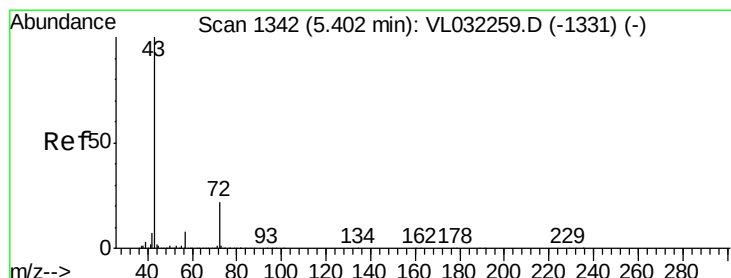
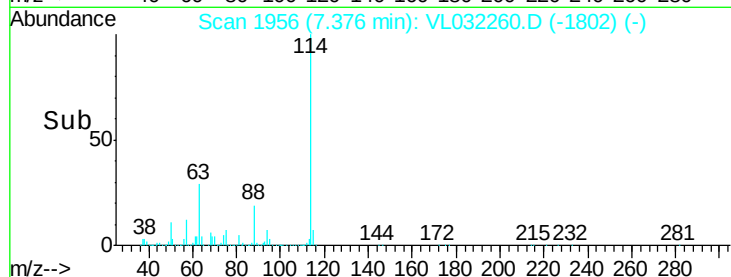
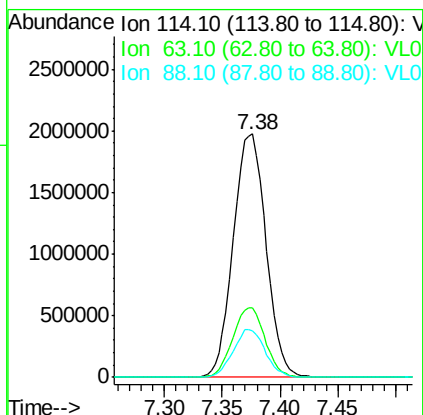
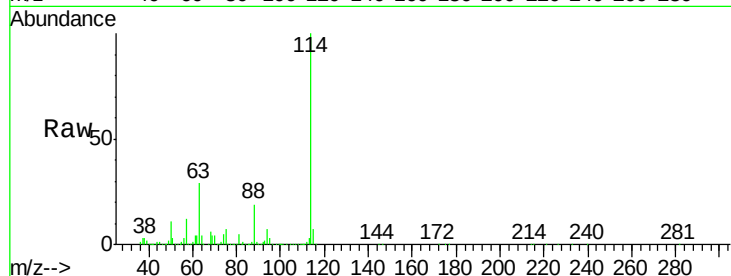
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.38 min Scan# 1956
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.6	33.8
88	19.3	15.2	22.8

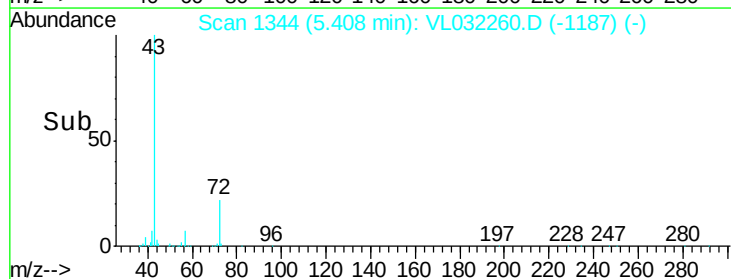
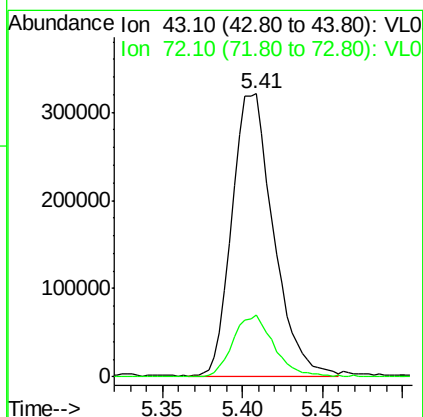
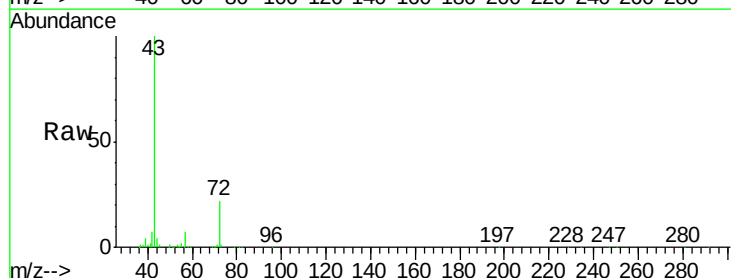
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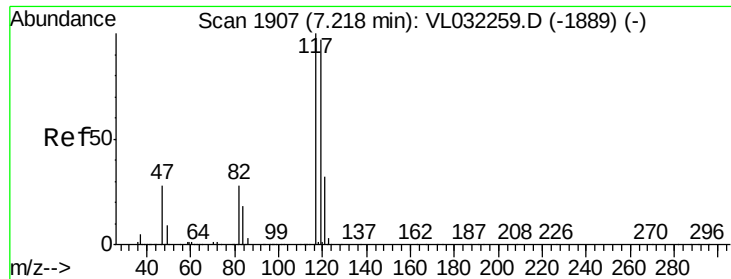
MMDadoda
 7/20/2018 2:53:03 PM



#34
 2-Butanone
 Concen: 2.14 ppbv
 RT: 5.41 min Scan# 1344
 Delta R.T. 0.01 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.1	17.7	26.5





#35

Carbon Tetrachloride

Concen: 2.16 ppbv

RT: 7.22 min Scan# 1907

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

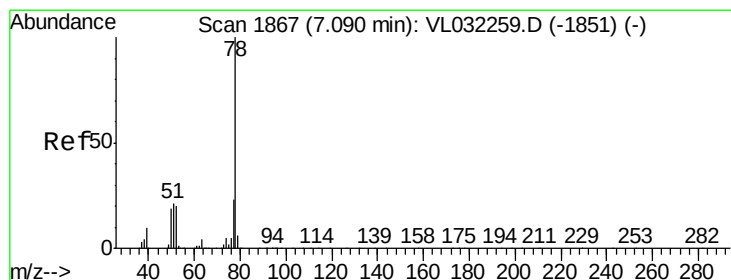
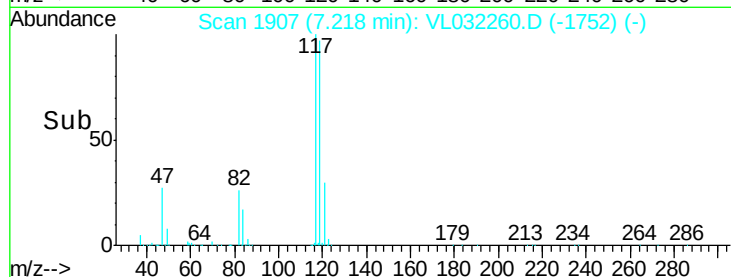
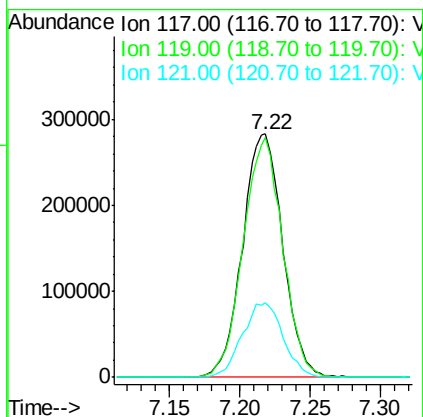
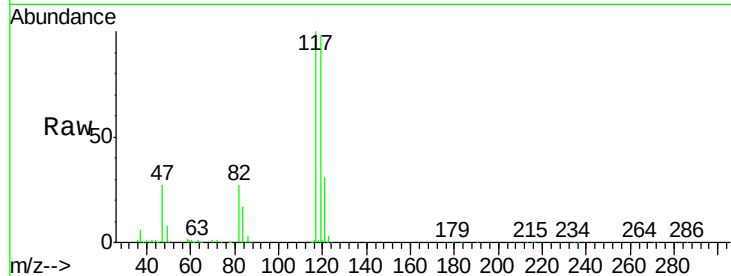
ClientSampleId :

VSTDIC002

Tot Ion:	117	Resp:	565726
Ion Ratio	Lower	Upper	
117	100		
119	98.4	77.4	116.0
121	30.5	25.4	38.2

Manual Integrations
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7/20/2018 2:53:03 PM



#36

Benzene

Concen: 2.18 ppbv

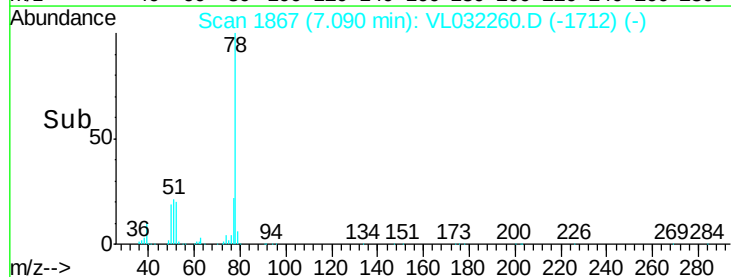
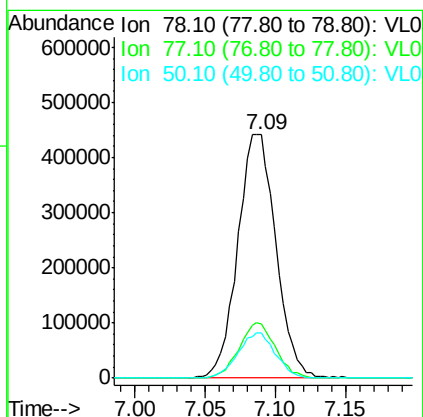
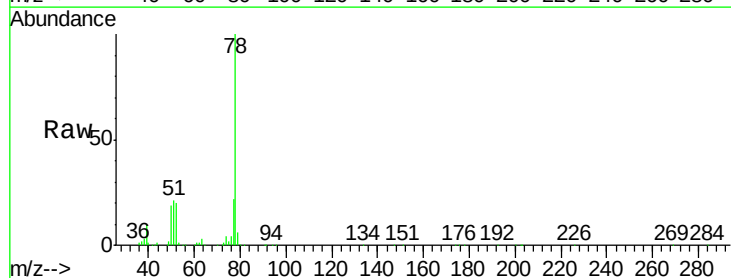
RT: 7.09 min Scan# 1867

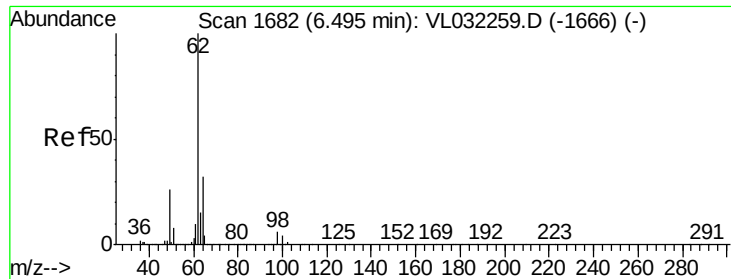
Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion:	78	Resp:	837908
Ion Ratio	Lower	Upper	
78	100		
77	22.2	18.6	27.8
50	18.5	15.0	22.6





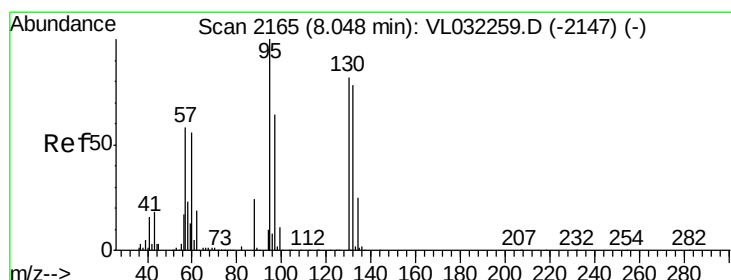
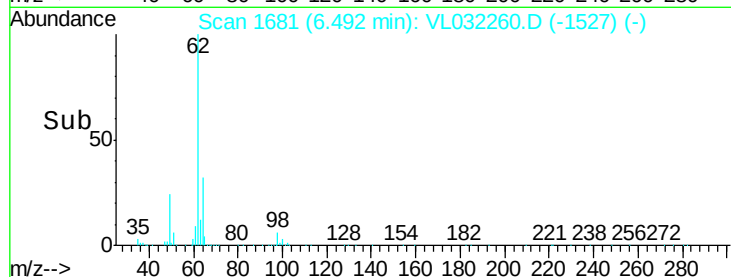
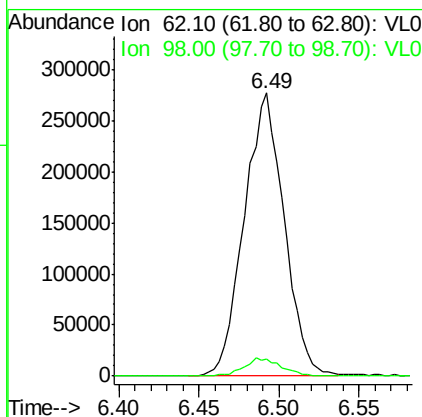
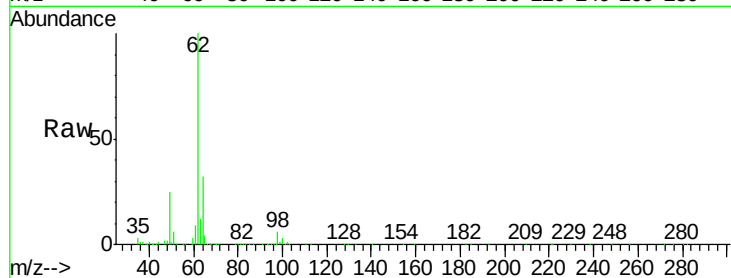
#37
 1,2-Dichloroethane
 Concen: 2.24 ppbv
 RT: 6.49 min Scan# 1681
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
62	100		
98	6.0	4.9	7.3

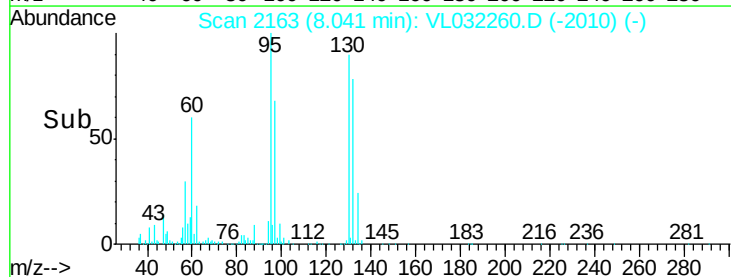
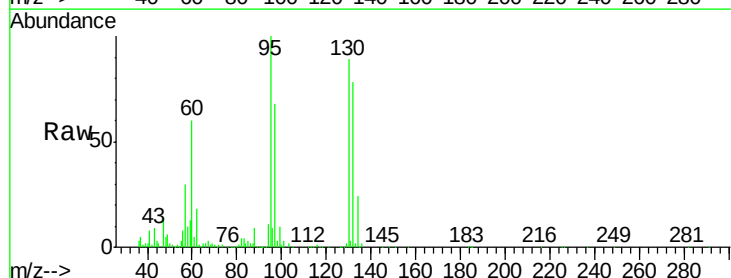
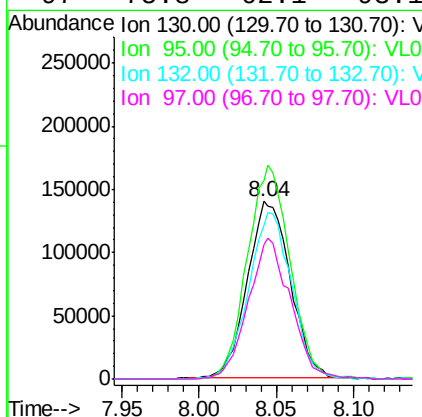
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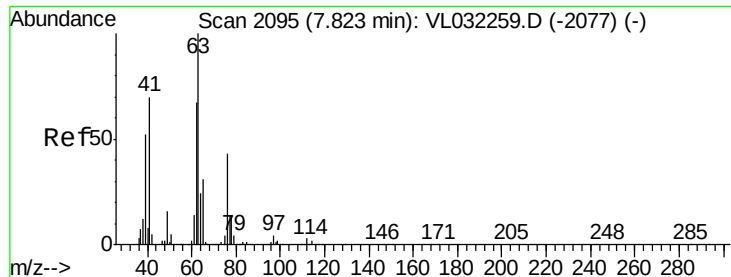
MMDadoda
 7/20/2018 2:53:03 PM



#38
 Trichloroethene
 Concen: 2.05 ppbv
 RT: 8.04 min Scan# 2163
 Delta R.T. -0.01 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
130	100		
95	112.1	97.1	145.7
132	86.9	75.6	113.4
97	75.8	62.1	93.1





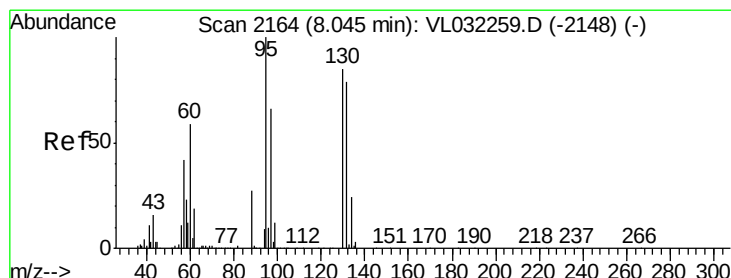
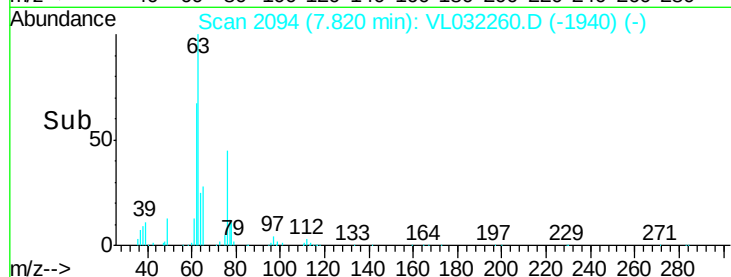
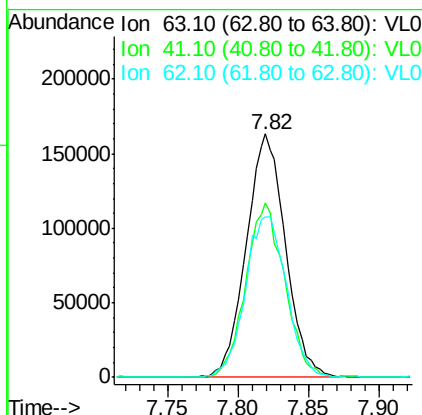
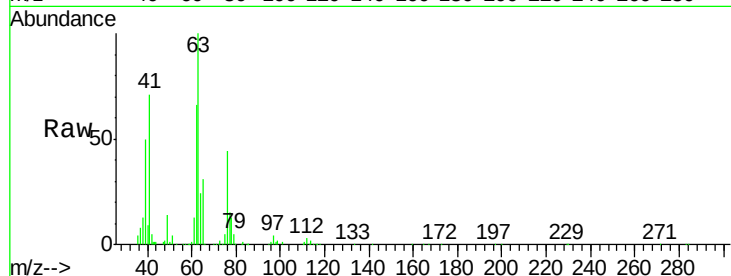
#39
 1,2-Dichloropropane
 Concen: 2.08 ppbv
 RT: 7.82 min Scan# 2094
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
63	100		
41	71.4	55.8	83.6
62	65.8	53.8	80.8

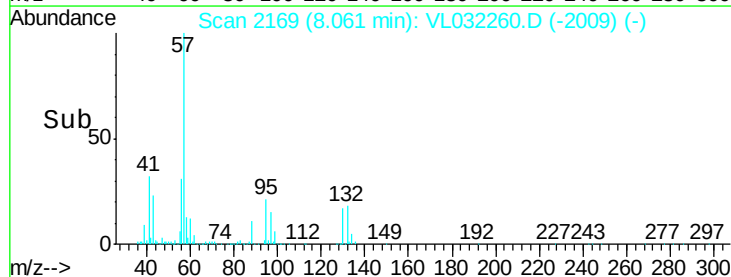
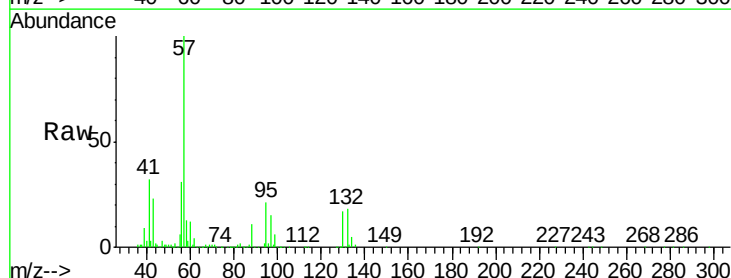
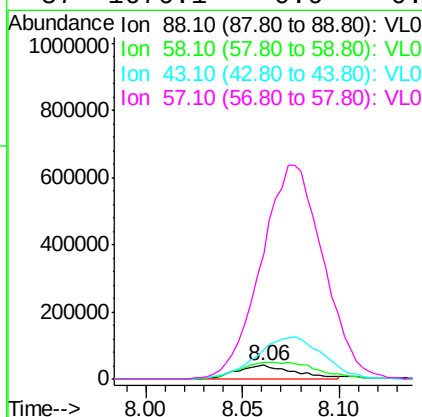
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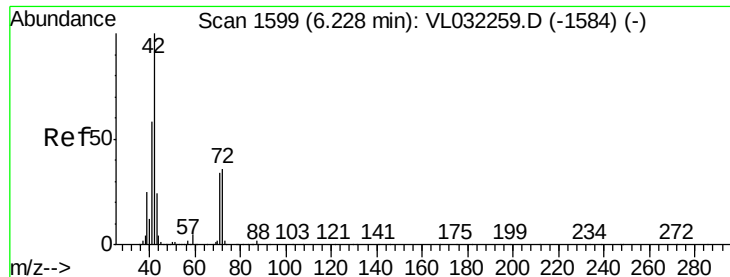
MMDadoda
 7/20/2018 2:53:03 PM



#40
 1,4-Dioxane
 Concen: 1.63 ppbv
 RT: 8.06 min Scan# 2169
 Delta R.T. 0.02 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
88	100		
58	168.6	60.9	91.3#
43	354.8	0.0	0.0#
57	1676.1	0.0	0.0#





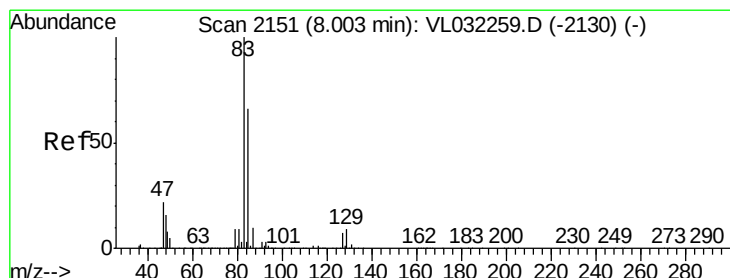
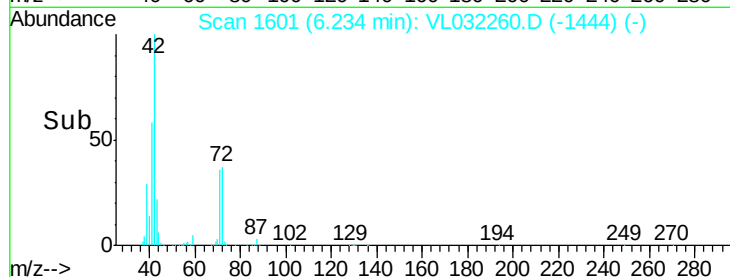
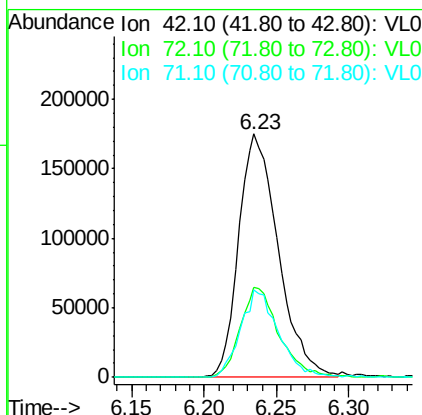
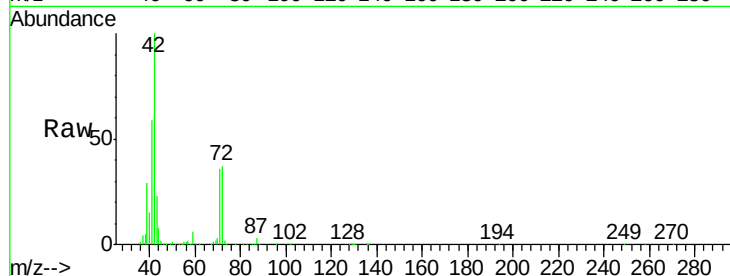
#41
Tetrahydrofuran
Concen: 2.24 ppbv
RT: 6.23 min Scan# 1601
Delta R.T. 0.01 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
42	100		
72	36.5	29.4	44.0
71	34.6	28.2	42.4

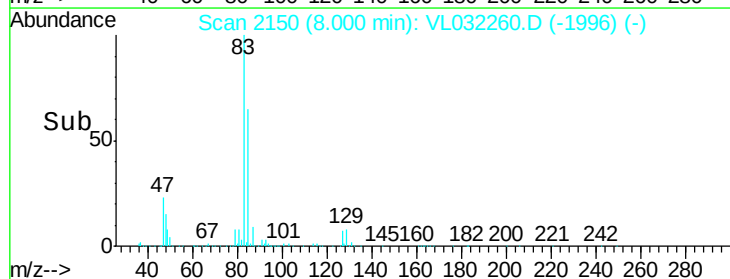
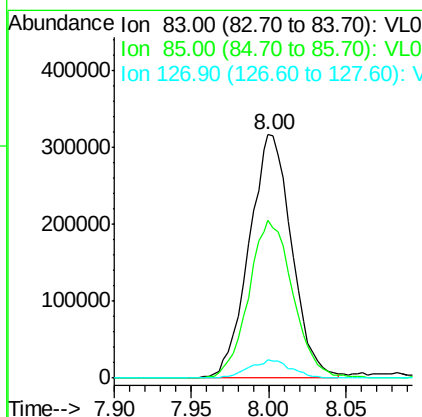
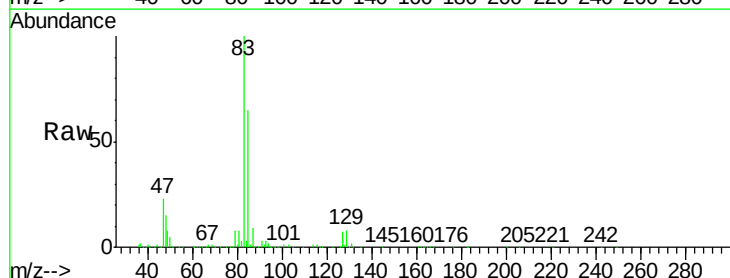
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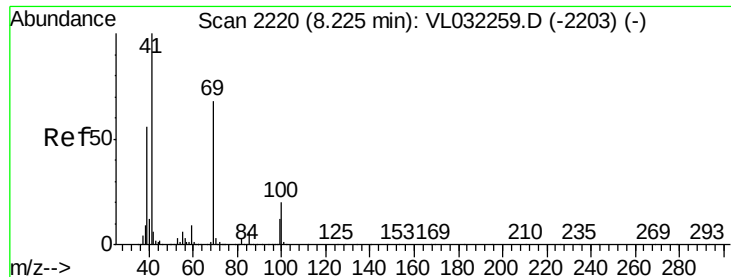
MMDadoda
7/20/2018 2:53:03 PM



#42
Bromodichloromethane
Concen: 2.02 ppbv
RT: 8.00 min Scan# 2150
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	53.0	79.4
127	7.4	5.7	8.5





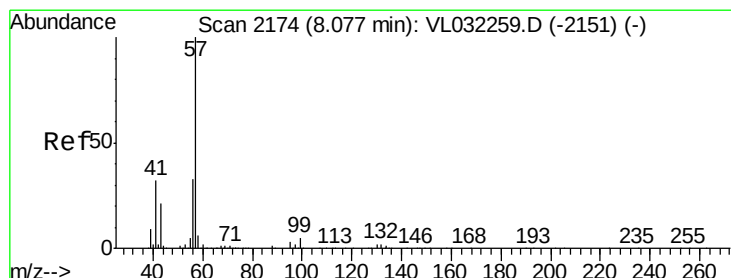
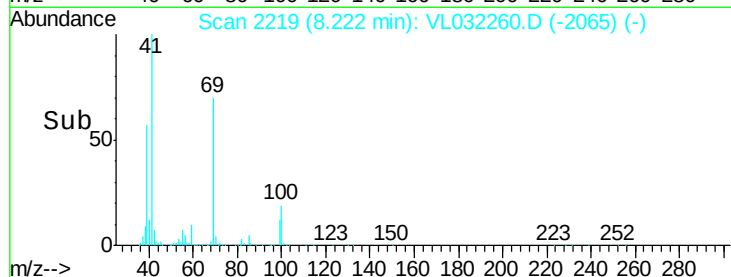
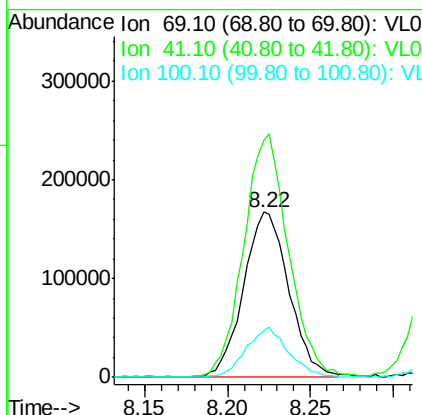
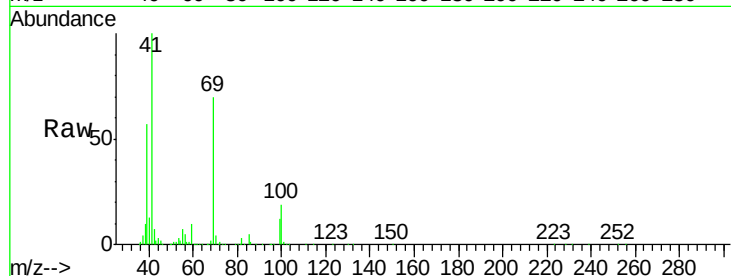
#43
Methyl Methacrylate
Concen: 2.14 ppbv
RT: 8.22 min Scan# 2219
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
69	100		
41	145.2	118.6	177.8
100	28.7	23.3	34.9

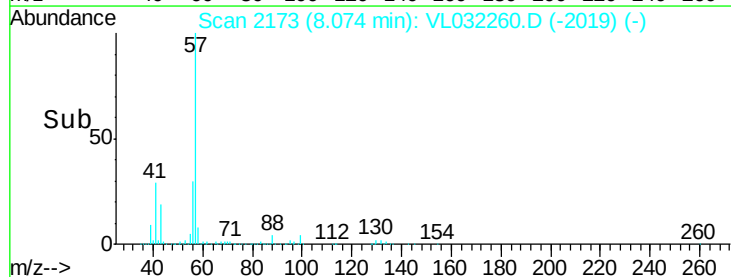
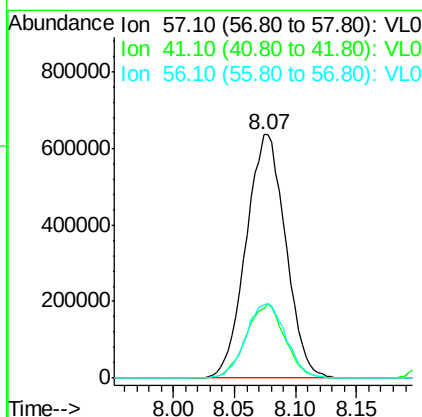
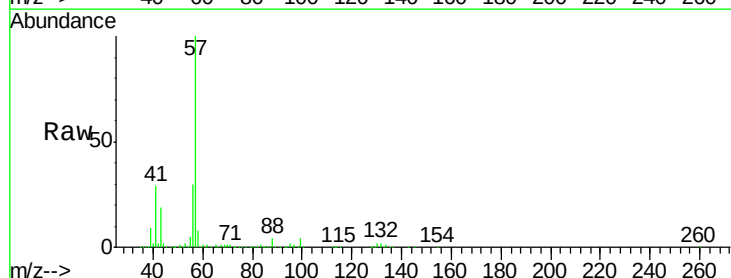
Manual Integrations
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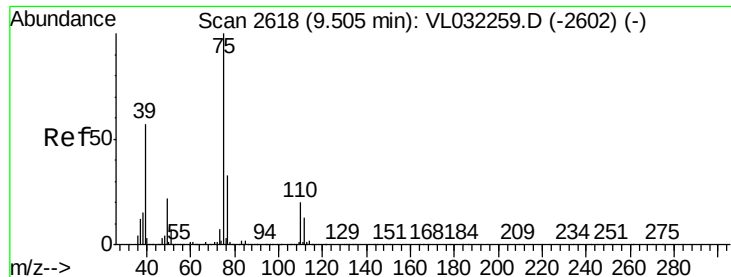
MMDadoda
7/20/2018 2:53:03 PM



#44
2,2,4-Trimethylpentane
Concen: 2.16 ppbv
RT: 8.07 min Scan# 2173
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
57	100		
41	29.9	24.4	36.6
56	31.0	25.7	38.5





#45

t-1,3-Dichloropropene

Concen: 2.36 ppbv

RT: 9.50 min Scan# 2618

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion: 75 Resp: 417692

Ion Ratio Lower Upper

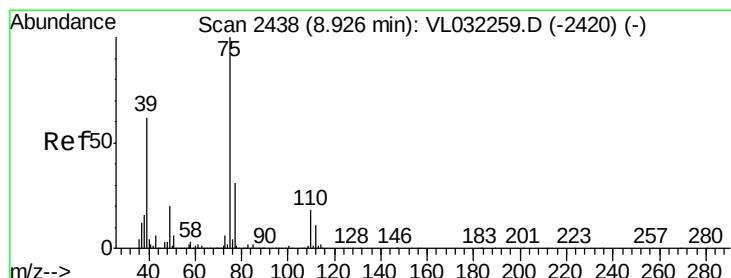
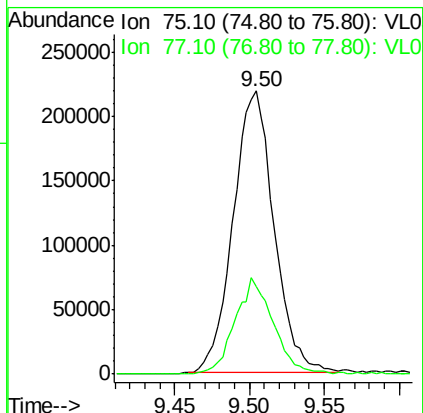
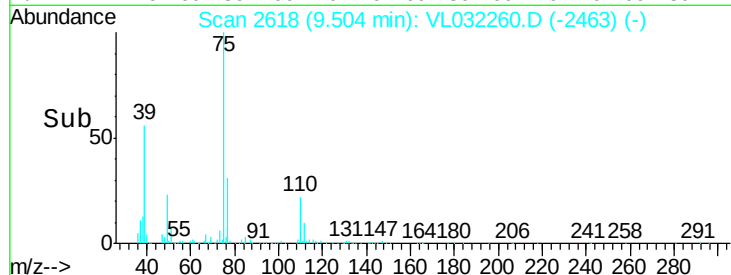
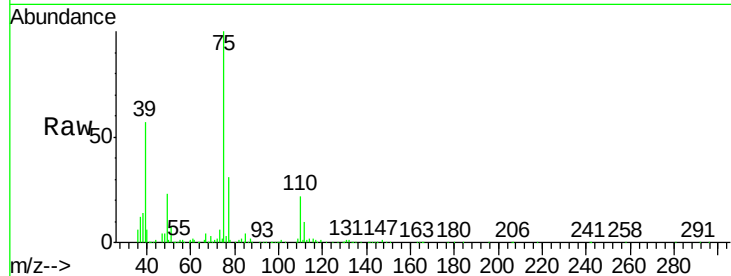
75 100

77 31.1 26.2 39.4

Manual Integrations
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MMDadoda

7/20/2018 2:53:03 PM



#46

cis-1,3-Dichloropropene

Concen: 1.93 ppbv

RT: 8.92 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

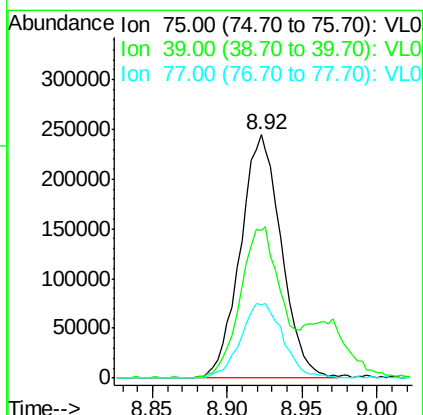
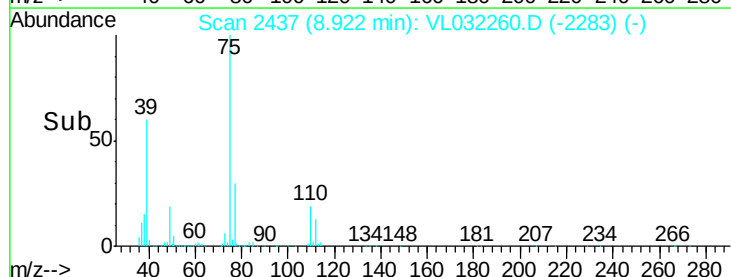
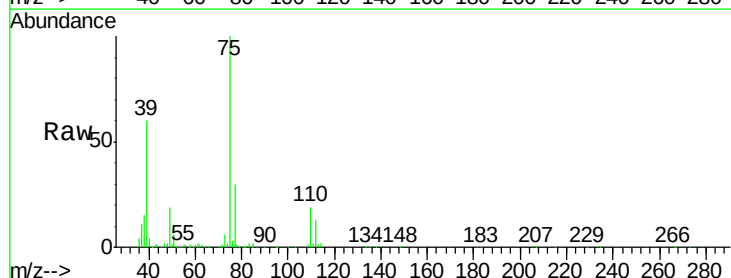
Tgt Ion: 75 Resp: 465900

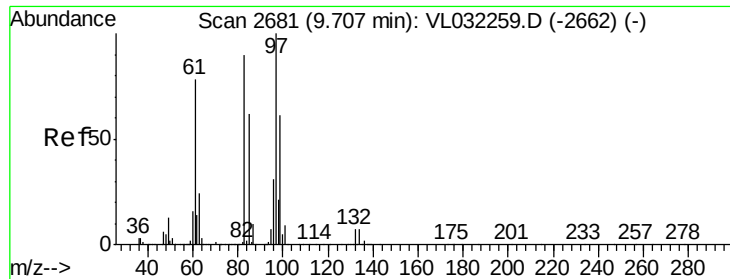
Ion Ratio Lower Upper

75 100

39 60.4 49.9 74.9

77 30.2 25.0 37.4





#47

1,1,2-Trichloroethane

Concen: 1.90 ppbv

RT: 9.70 min Scan# 2679

Delta R.T. -0.01 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

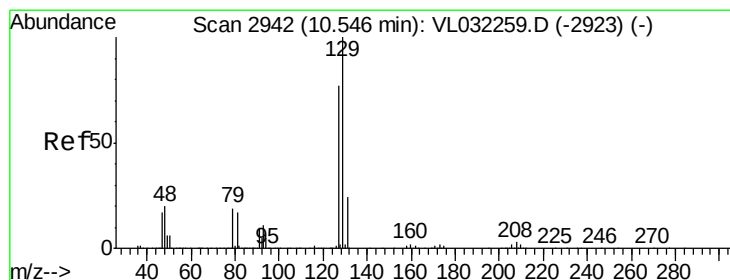
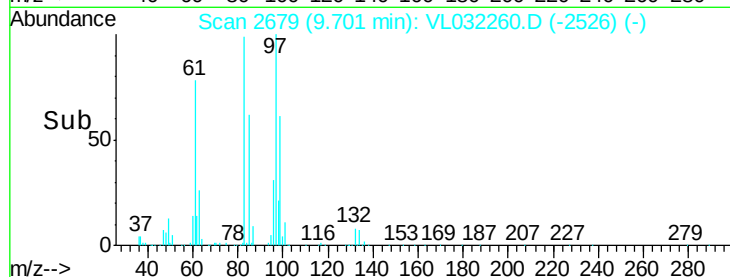
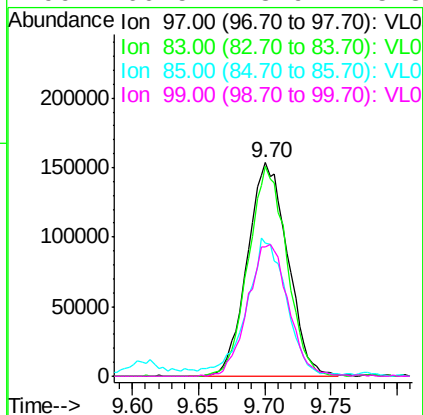
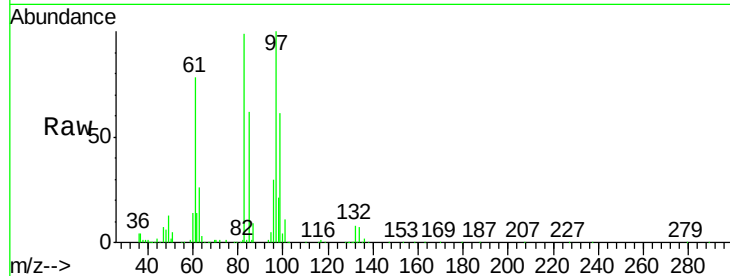
ClientSampleId :

VSTDIC002

Tot Ion:	97	Resp:	324742
Ion	Ratio	Lower	Upper
97	100		
83	98.3	72.3	108.5
85	61.0	49.5	74.3
99	60.5	48.9	73.3

Manual Integrations
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#48

Dibromochloromethane

Concen: 2.11 ppbv

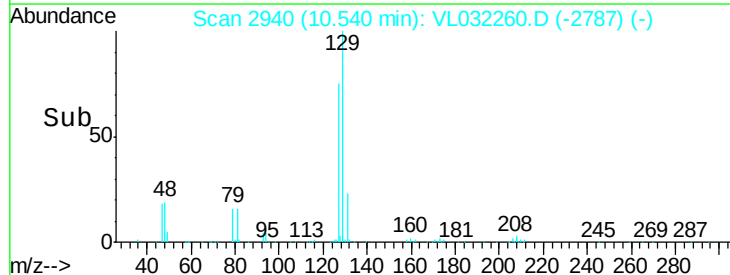
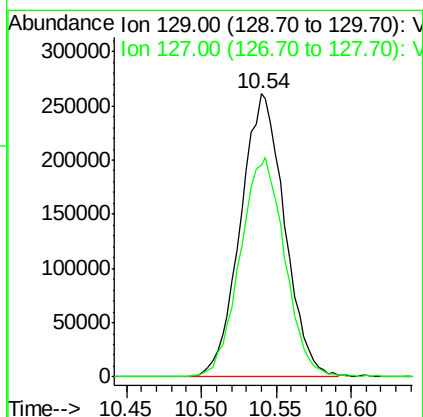
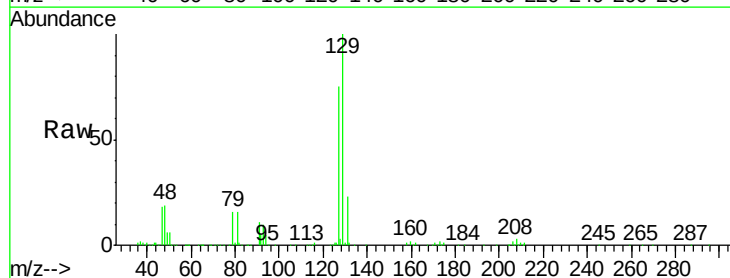
RT: 10.54 min Scan# 2940

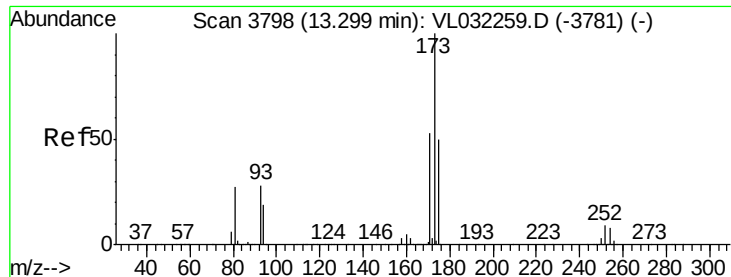
Delta R.T. -0.01 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion:	129	Resp:	535759
Ion	Ratio	Lower	Upper
129	100		
127	78.7	39.1	117.3





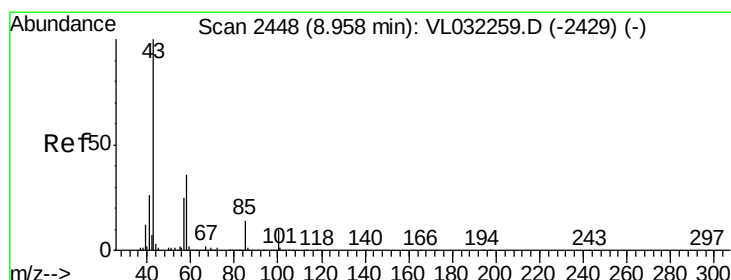
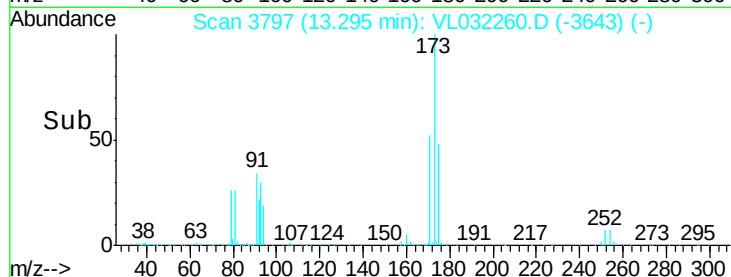
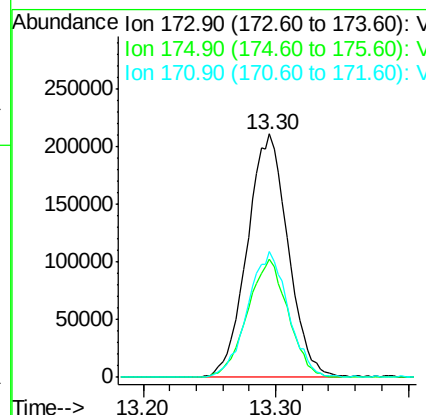
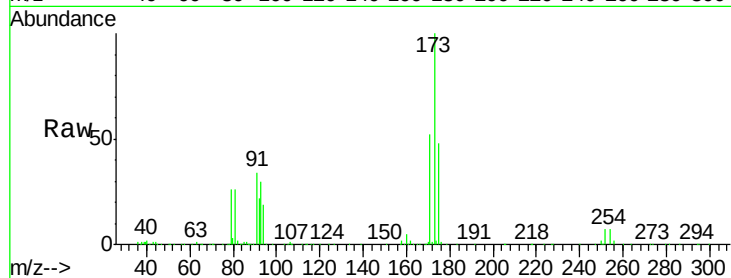
#49
Bromoform
Concen: 2.21 ppbv
RT: 13.30 min Scan# 3797
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.2	39.0	58.6
171	51.9	41.6	62.4

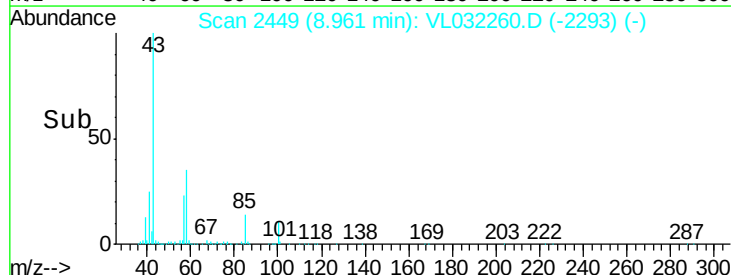
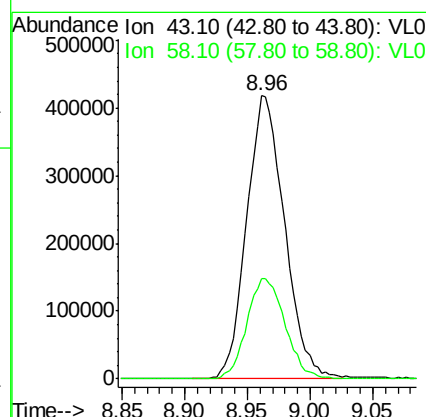
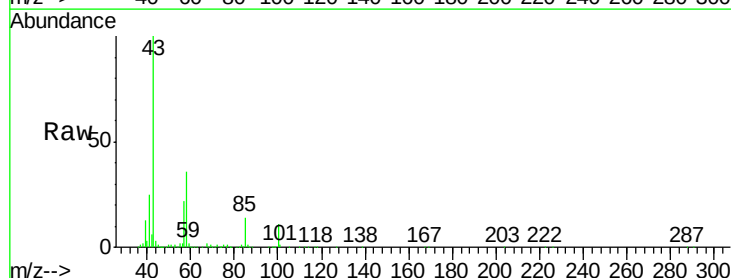
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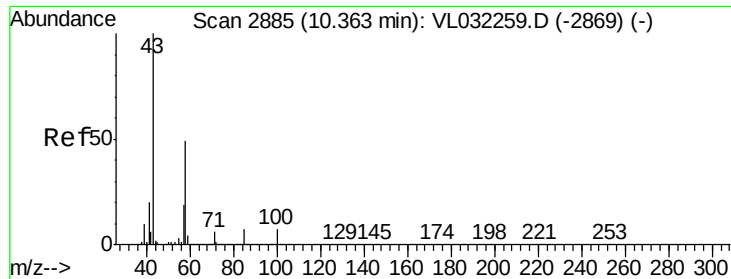
MMDadoda
7/20/2018 2:53:03 PM



#50
4-Methyl-2-Pentanone
Concen: 1.93 ppbv
RT: 8.96 min Scan# 2449
Delta R.T. 0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.0	29.2	43.8





#51

2-Hexanone

Concen: 2.01 ppbv m

RT: 10.37 min Scan# 2887

Delta R.T. 0.01 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

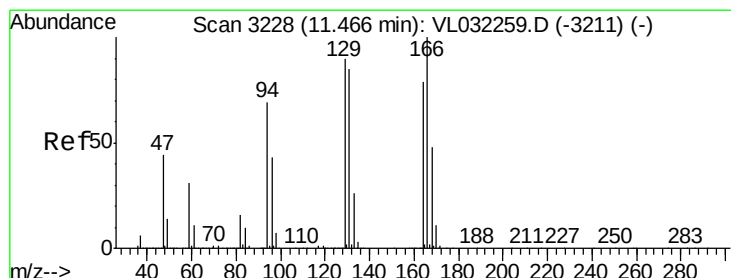
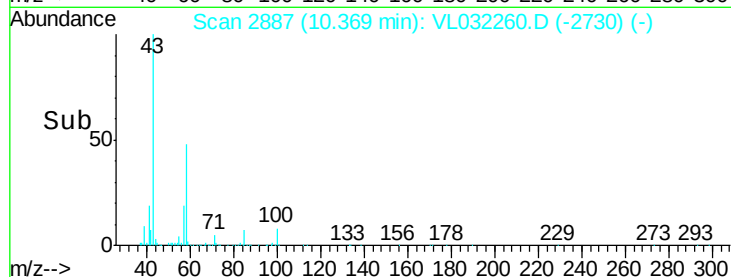
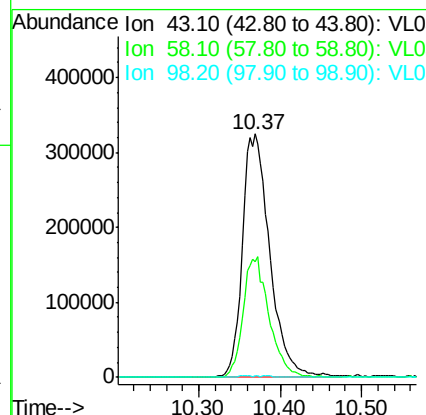
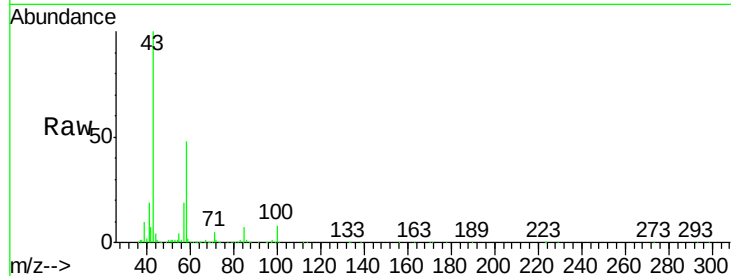
ClientSampleId :

VSTDIC002

Tot Ion:	43	Resp:	765606
Ion Ratio	Lower	Upper	
43	100		
58	47.3	39.4	59.2
98	0.7	0.2	0.2#

Manual Integrations
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#52

Tetrachloroethene

Concen: 1.92 ppbv

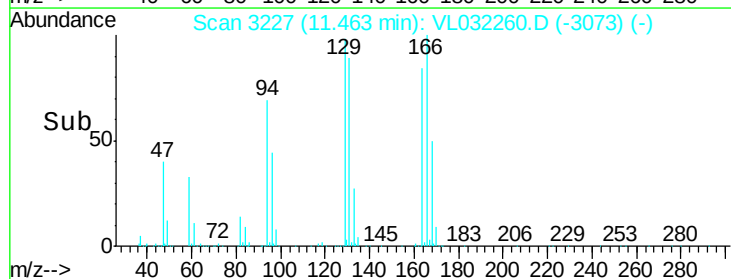
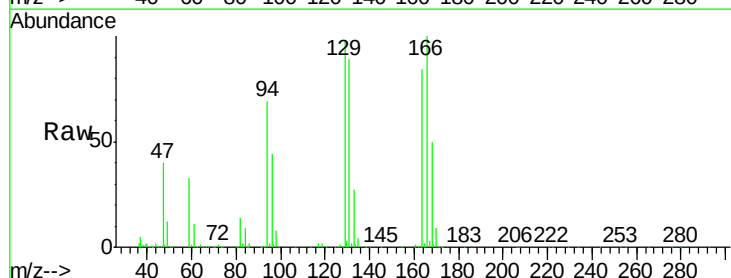
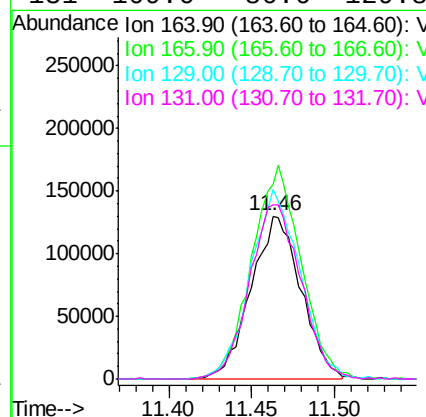
RT: 11.46 min Scan# 3227

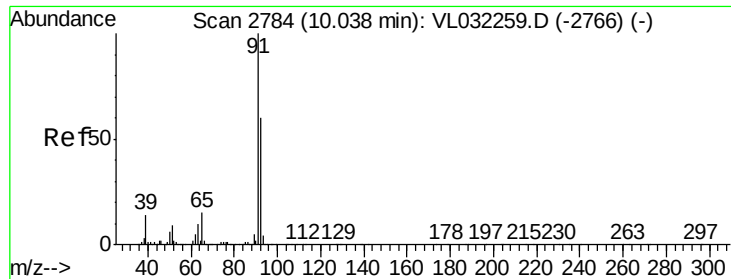
Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion:	164	Resp:	273181
Ion Ratio	Lower	Upper	
164	100		
166	119.4	101.7	152.5
129	116.3	91.5	137.3
131	109.6	86.6	129.8





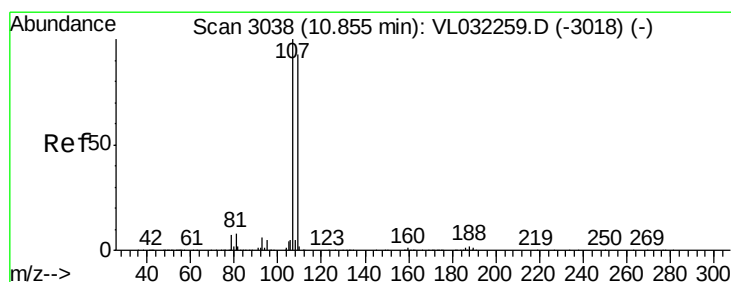
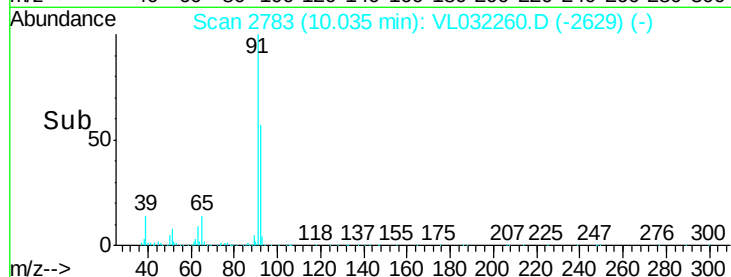
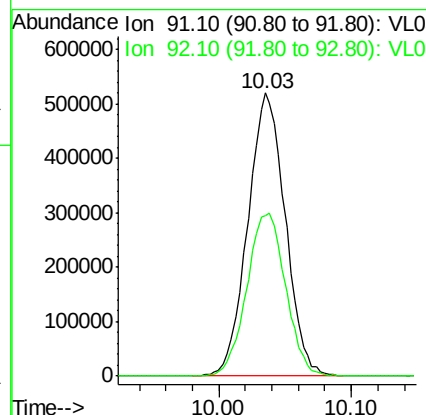
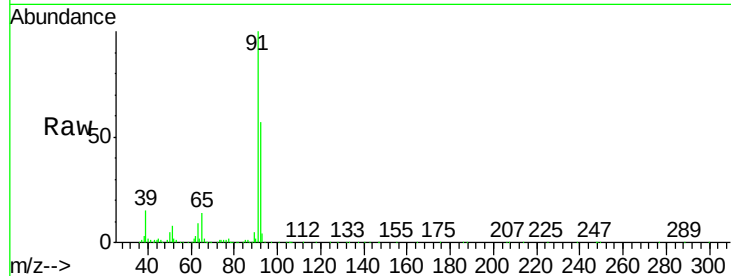
#53
Toluene
Concen: 2.25 ppbv
RT: 10.03 min Scan# 2783
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 1022968
Ion Ratio Lower Upper
91 100
92 59.9 48.6 72.8

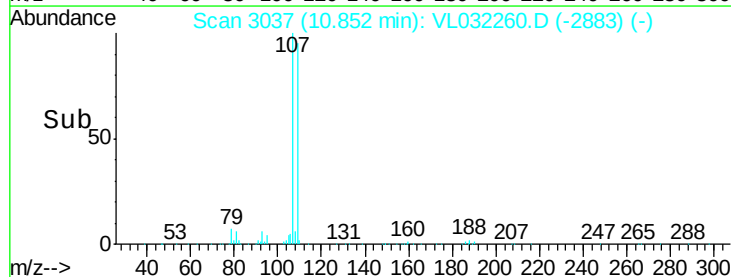
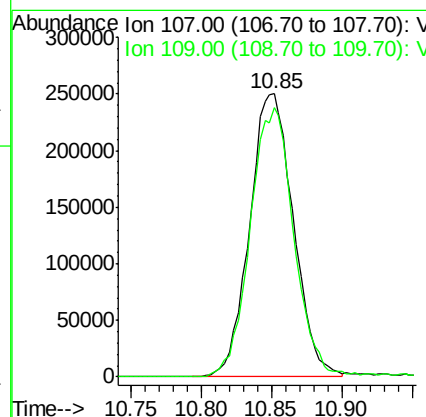
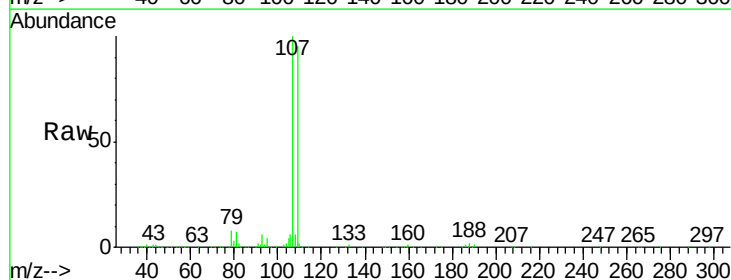
Manual Integrations
APPROVED

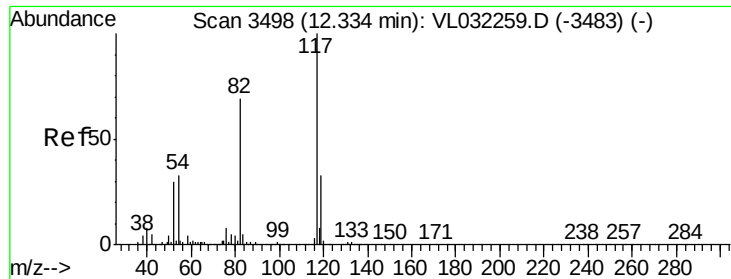
MMDadoda
7/20/2018 2:53:03 PM



#54
1,2-Dibromoethane
Concen: 2.15 ppbv
RT: 10.85 min Scan# 3037
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion: 107 Resp: 541991
Ion Ratio Lower Upper
107 100
109 94.9 74.8 112.2





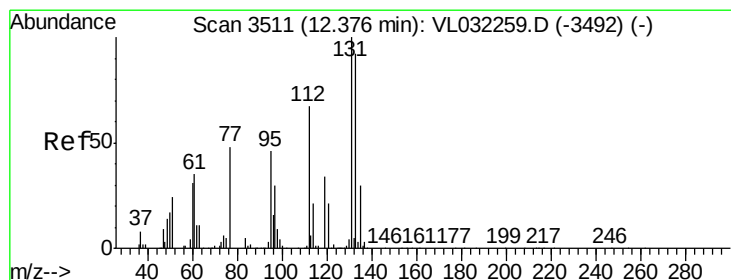
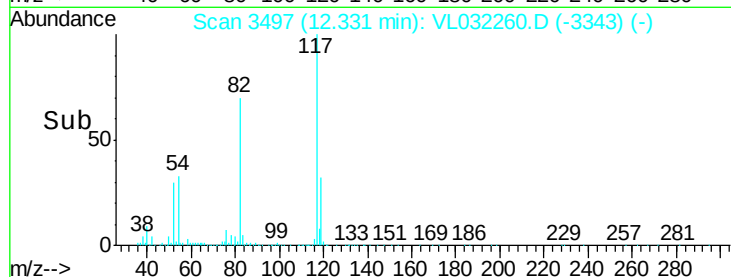
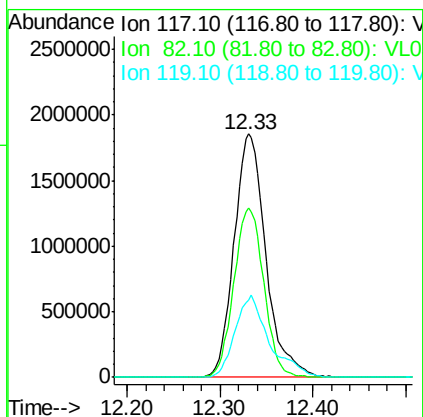
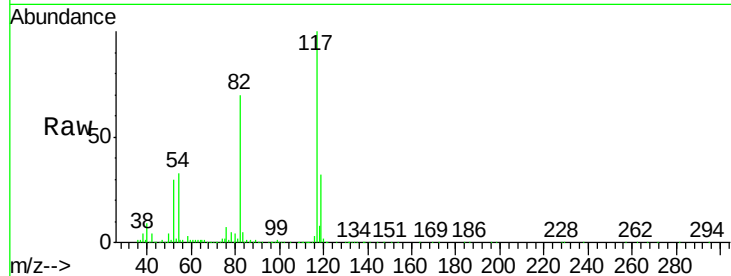
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.33 min Scan# 3497
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.9	53.9	80.9
119	36.3	25.5	38.3

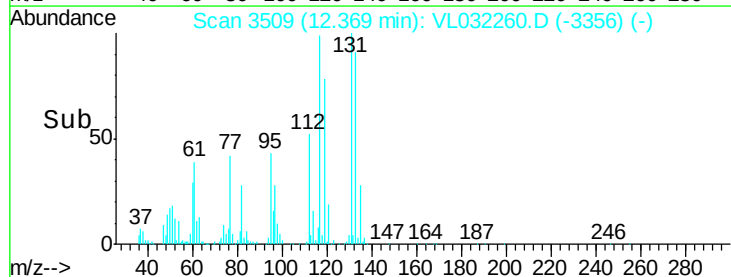
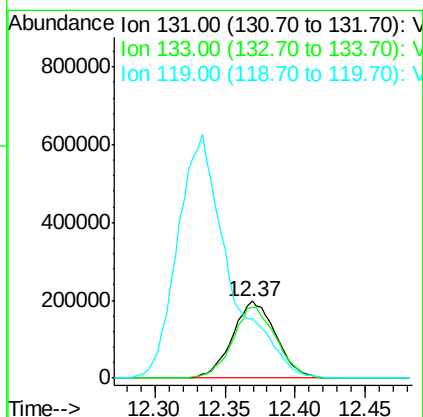
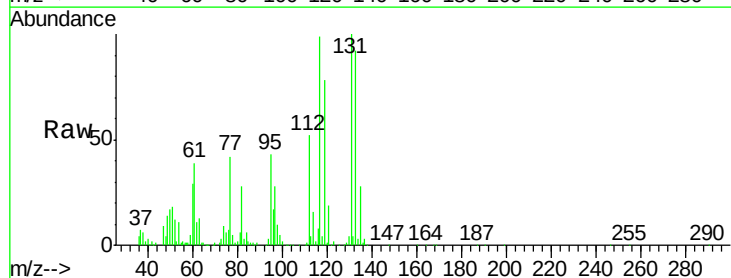
Manual Integrations
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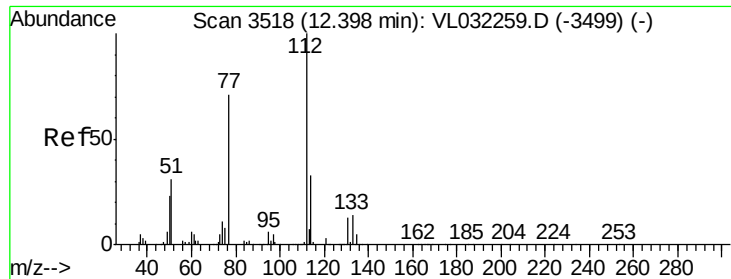
MMDadoda
7/20/2018 2:53:03 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 2.22 ppbv
RT: 12.37 min Scan# 3509
Delta R.T. -0.01 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.4	75.4	113.0
119	376.2	49.4	74.2#





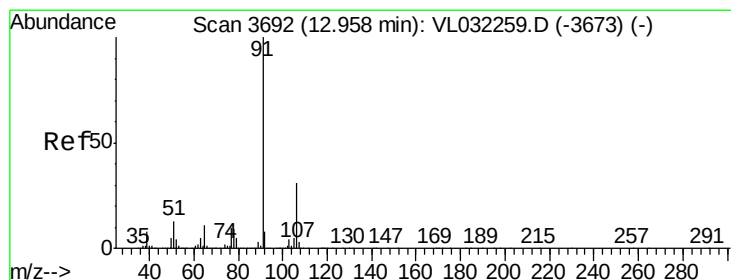
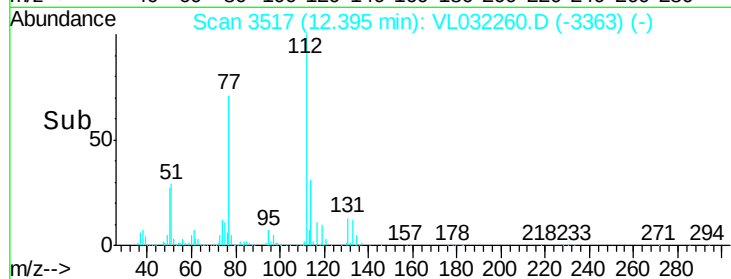
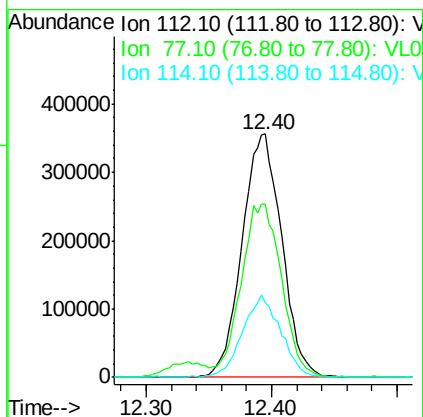
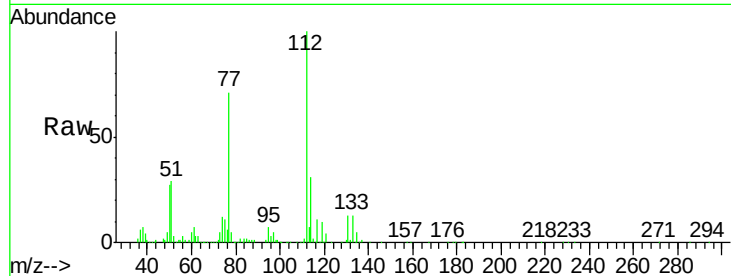
#57
Chlorobenzene
Concen: 2.09 ppbv
RT: 12.40 min Scan# 3517
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
112	100		
77	70.7	58.2	87.4
114	30.4	29.5	36.1

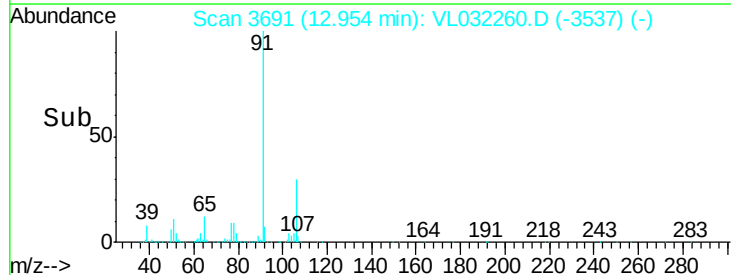
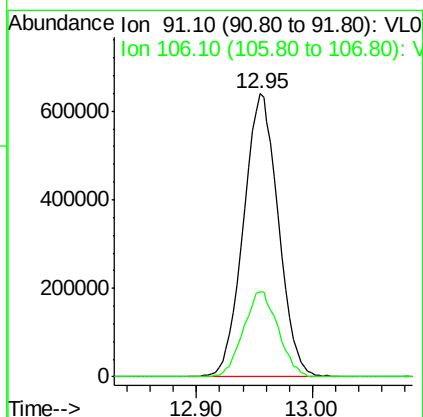
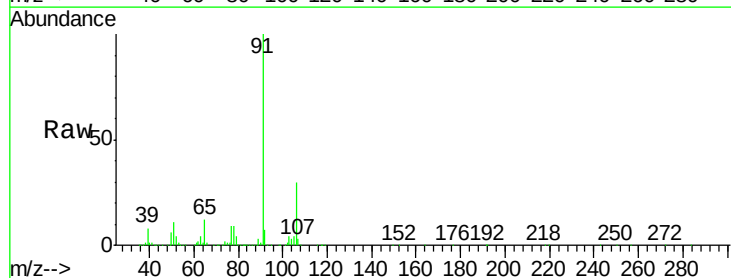
Manual Integrations
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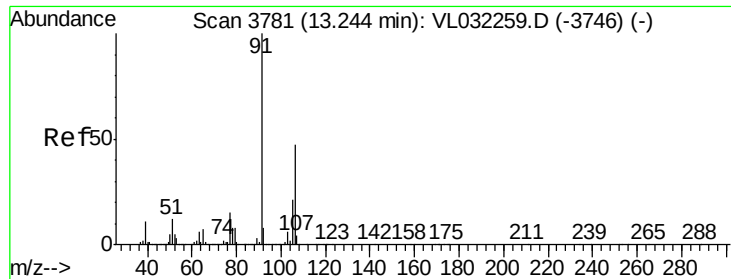
MMDadoda
7/20/2018 2:53:03 PM



#58
Ethyl Benzene
Concen: 2.08 ppbv
RT: 12.95 min Scan# 3691
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
91	100		
106	30.1	24.5	36.7





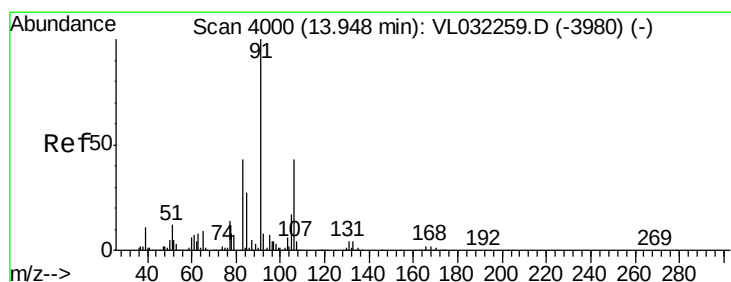
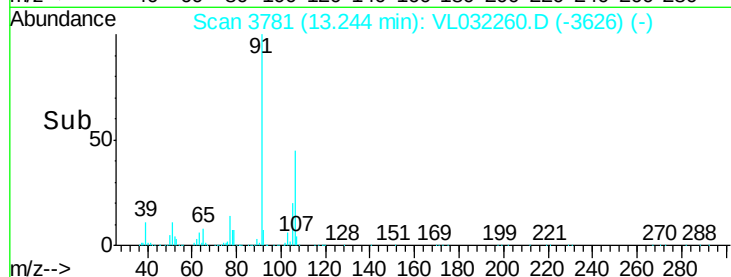
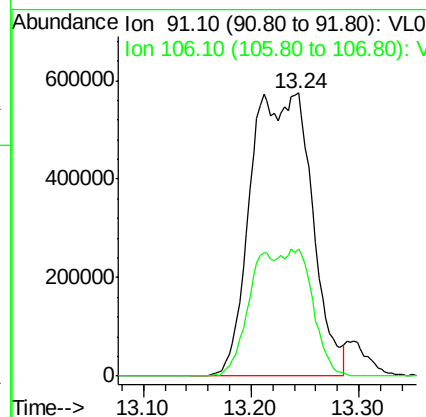
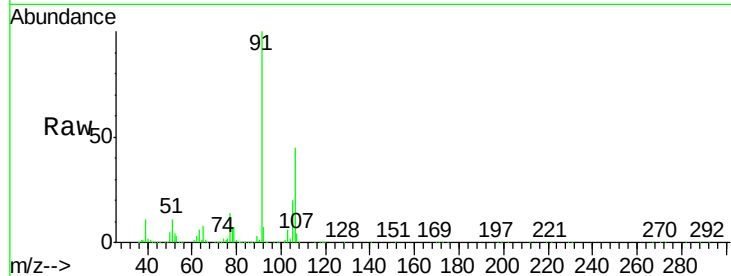
#59
m/p-Xylene
Concen: 4.28 ppbv m
RT: 13.24 min Scan# 3781
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion: 91 Resp: 2262808
Ion Ratio Lower Upper
91 100
106 44.3 36.2 54.2

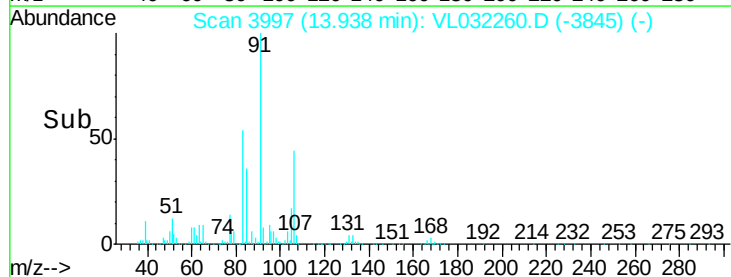
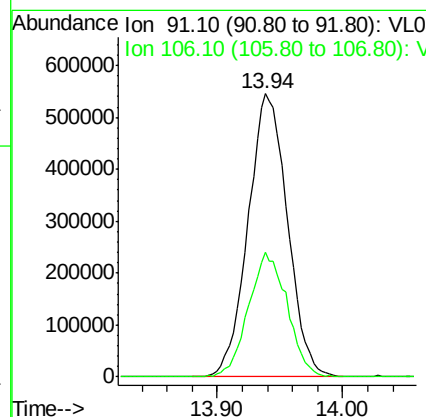
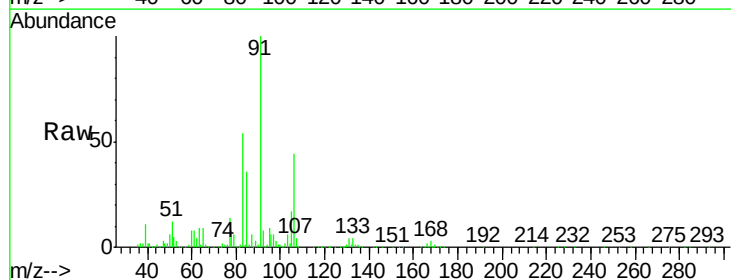
Manual Integrations
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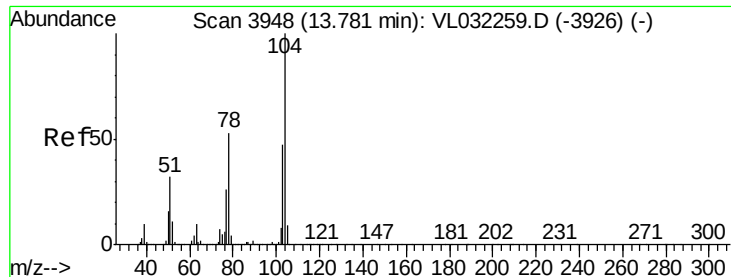
MMDadoda
7/20/2018 2:53:03 PM



#60
o-Xylene
Concen: 2.28 ppbv
RT: 13.94 min Scan# 3997
Delta R.T. -0.01 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion: 91 Resp: 1187195
Ion Ratio Lower Upper
91 100
106 43.4 21.7 65.1





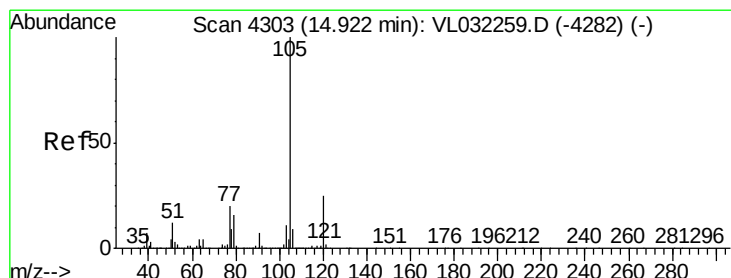
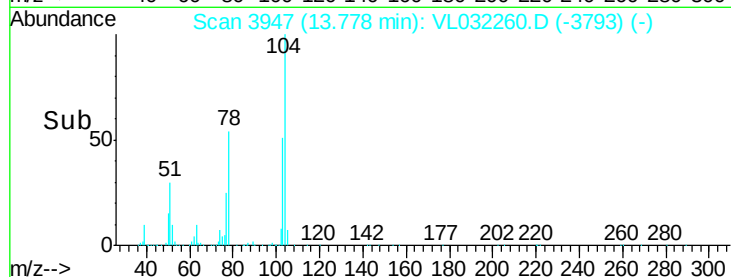
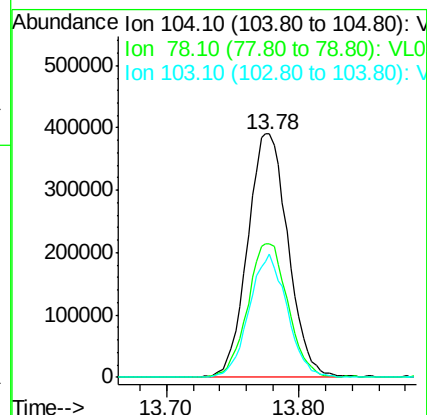
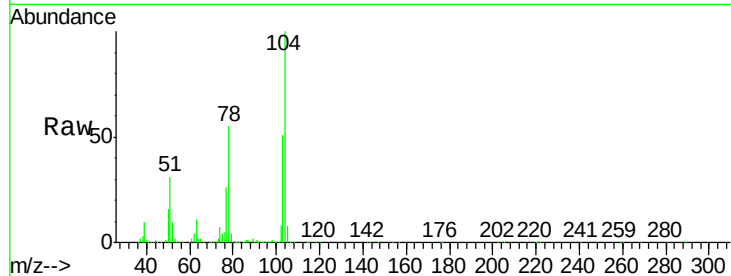
#61
Stvrene
Concen: 2.12 ppbv
RT: 13.78 min Scan# 3947
Delta R.T. -0.00 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tot Ion	Ratio	Lower	Upper
104	100		
78	55.3	43.2	64.8
103	47.7	37.8	56.6

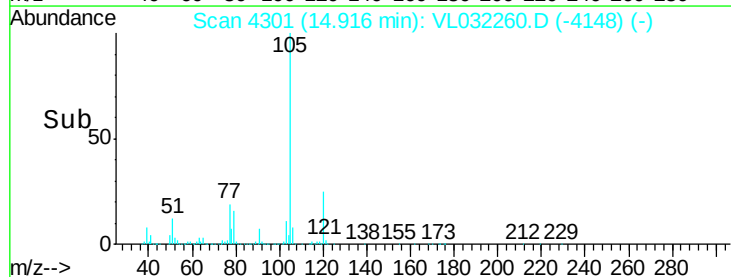
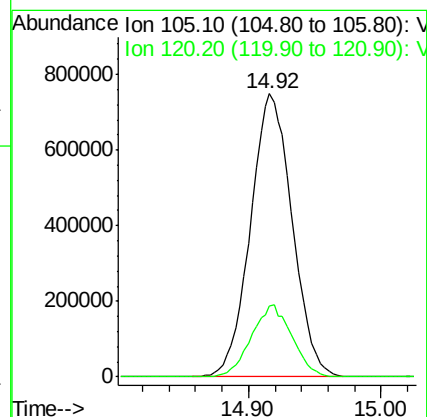
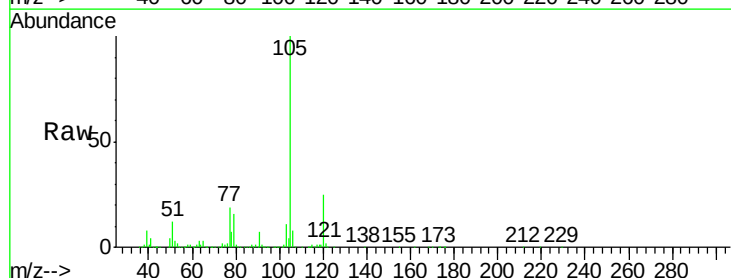
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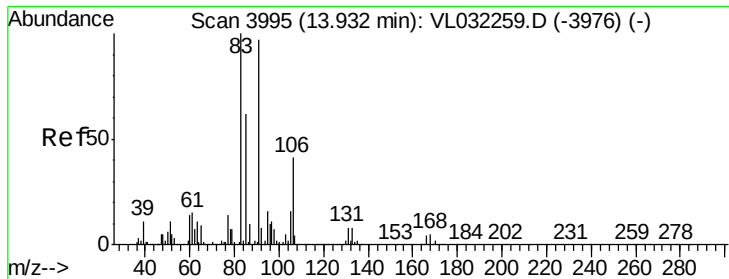
MMDadoda
7/20/2018 2:53:03 PM



#62
Isopropylbenzene
Concen: 2.24 ppbv
RT: 14.92 min Scan# 4301
Delta R.T. -0.01 min
Lab File: VL032260.D
Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.8	20.2	30.4





#63

1,1,2,2-Tetrachloroethane

Concen: 2.17 ppbv

RT: 13.93 min Scan# 3993

Delta R.T. -0.01 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

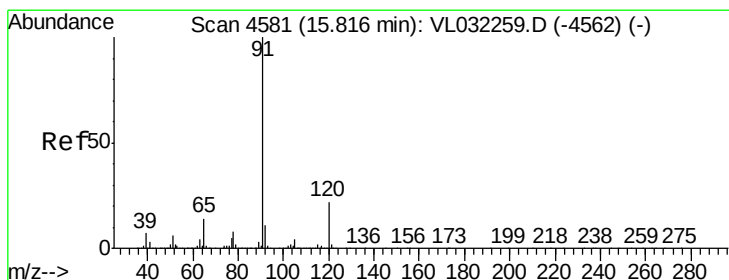
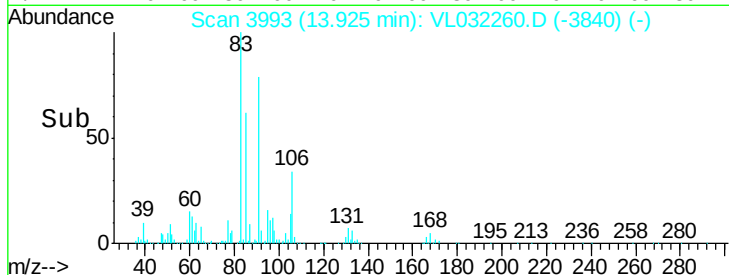
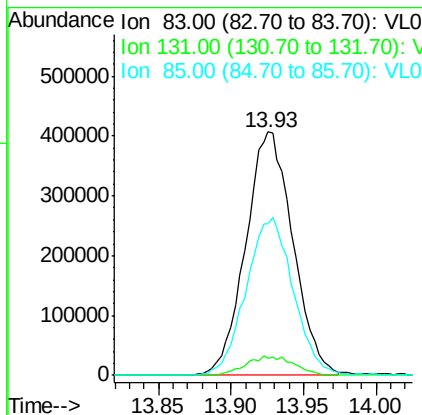
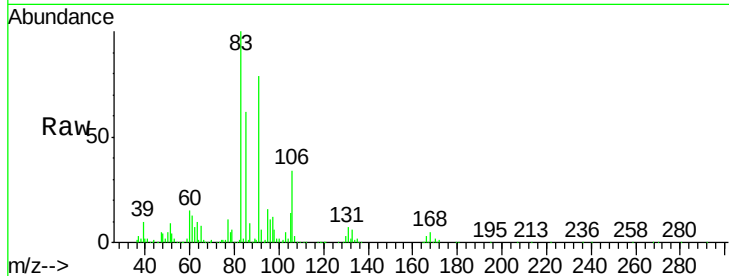
ClientSampleId :

VSTDIC002

Tot Ion:	83	Resp:	919625
Ion Ratio		Lower	Upper
83	100		
131	8.1	4.2	12.6
85	65.1	32.2	96.6

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7/20/2018 2:53:03 PM



#64

n-propylbenzene

Concen: 2.32 ppbv

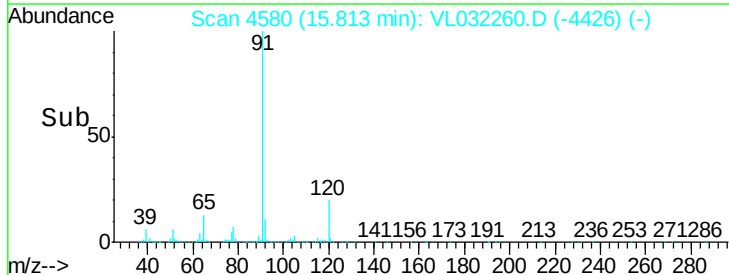
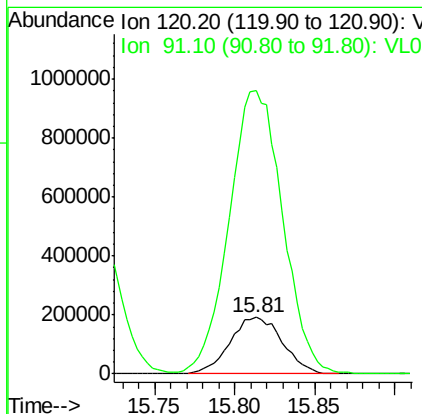
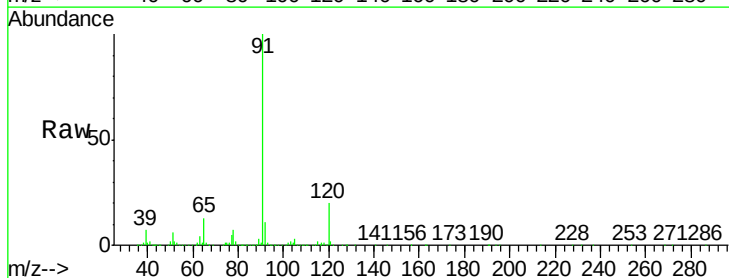
RT: 15.81 min Scan# 4580

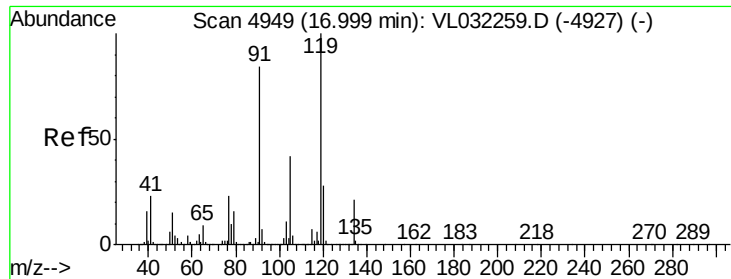
Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion:	120	Resp:	429789
Ion Ratio		Lower	Upper
120	100		
91	511.6	384.4	576.6





#65

tert-Butylbenzene

Concen: 2.40 ppbv

RT: 17.00 min Scan# 4949

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:119 Resp: 1471192

Ion Ratio Lower Upper

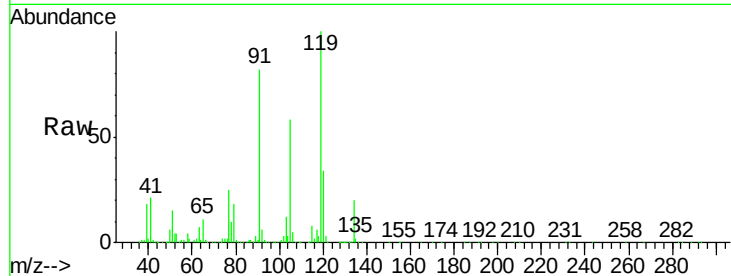
119 100

91 86.9 68.2 102.4

134 19.8 15.6 23.4

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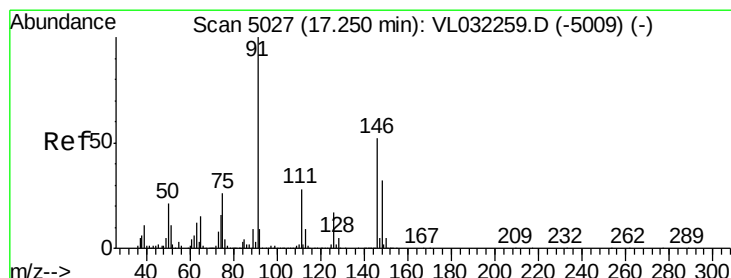
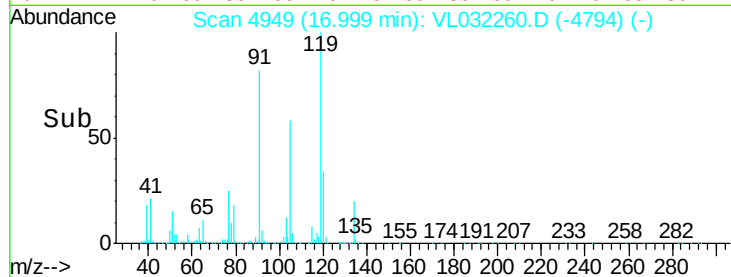
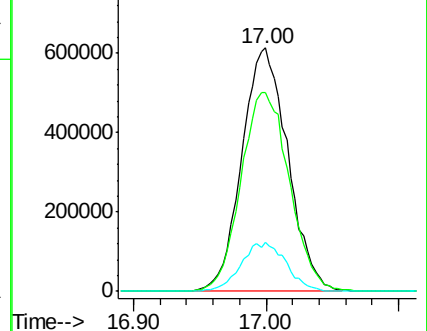
MMDadoda
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 2.52 ppbv

RT: 17.25 min Scan# 5026

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

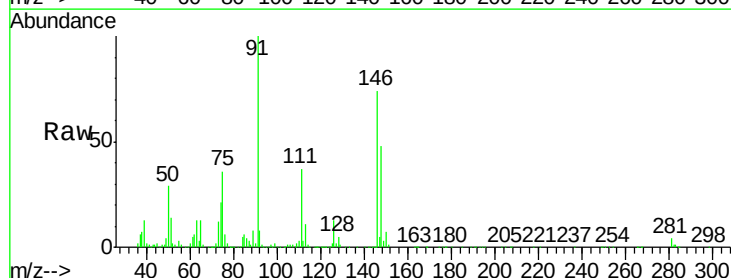
Tgt Ion: 91 Resp: 781355

Ion Ratio Lower Upper

91 100

126 16.9 13.4 20.2

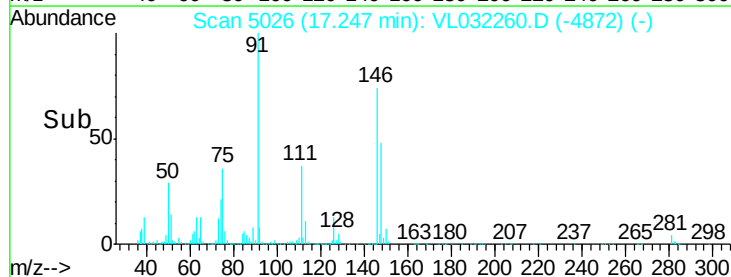
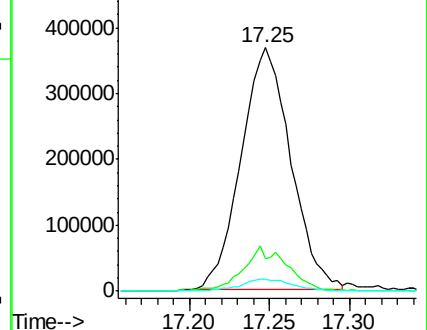
128 5.4 4.3 6.5

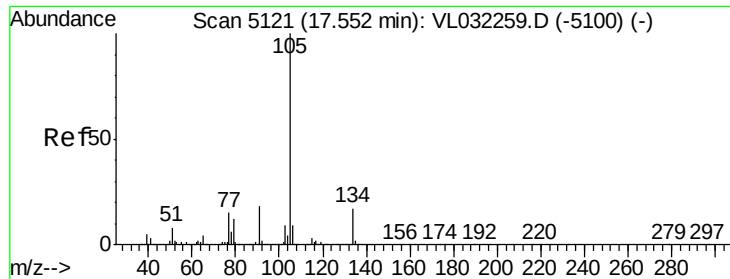


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 2.48 ppbv

RT: 17.55 min Scan# 5120

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampled :

VSTDIC002

Tot Ion: 105 Resp: 2215525

Ion Ratio Lower Upper

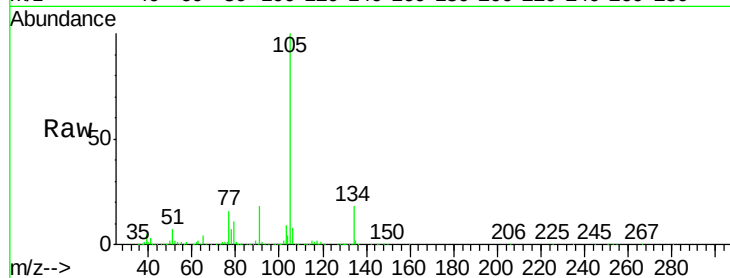
105 100

134 17.1 14.0 21.0

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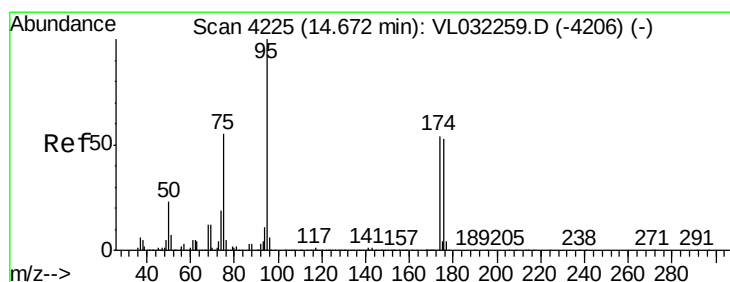
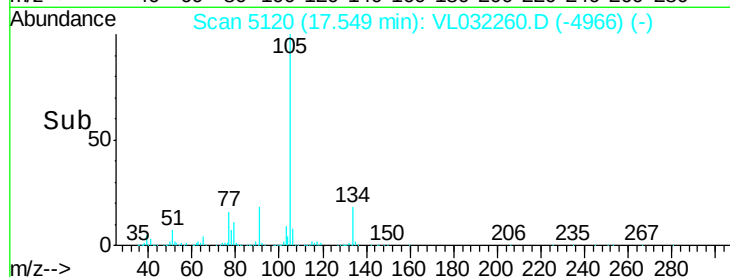
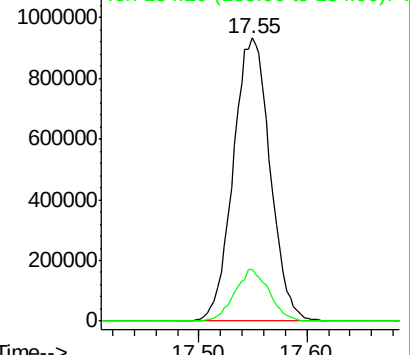
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.19 ppbv

RT: 14.67 min Scan# 4224

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

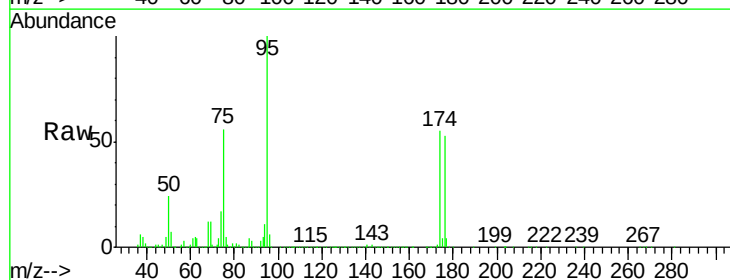
Tgt Ion: 95 Resp: 3479406

Ion Ratio Lower Upper

95 100

174 55.8 44.3 66.5

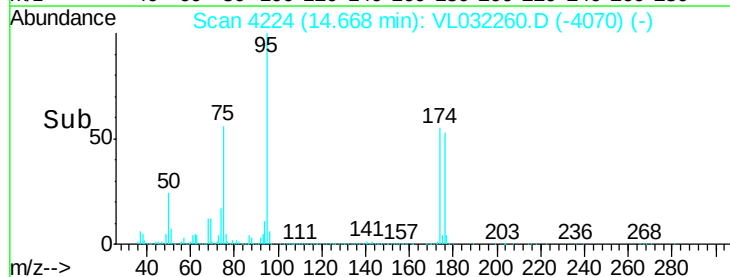
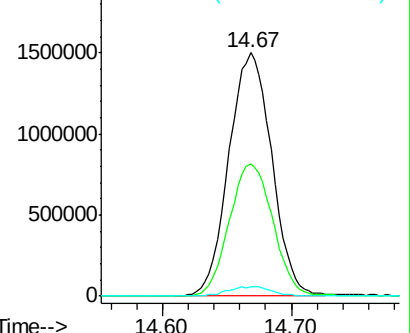
175 4.0 3.3 4.9

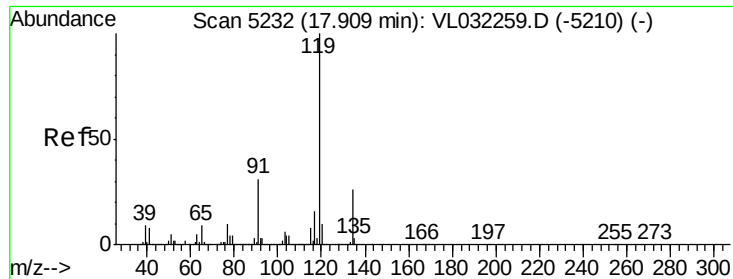


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





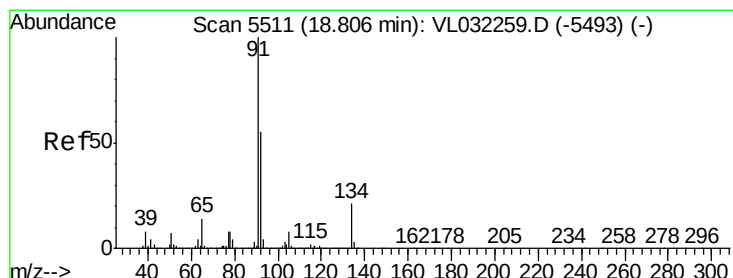
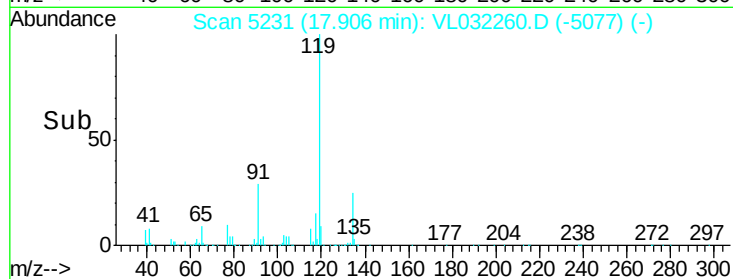
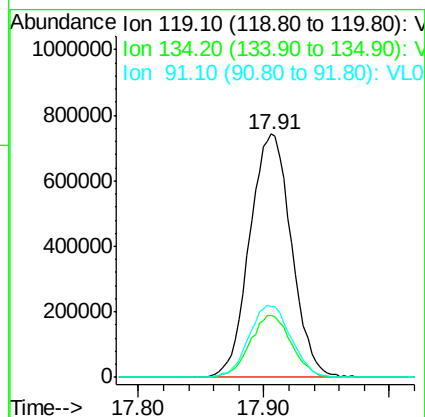
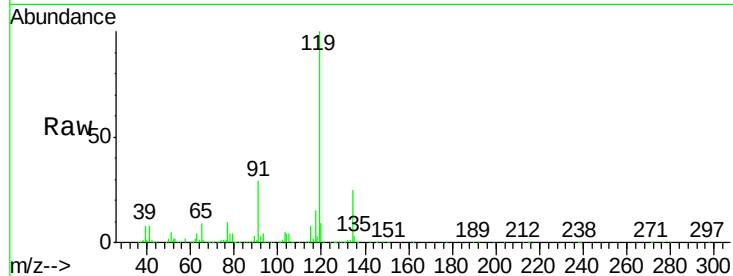
#69
 p-Isopropyltoluene
 Concen: 2.46 ppbv
 RT: 17.91 min Scan# 5231
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.3	30.5
91	30.1	24.1	36.1

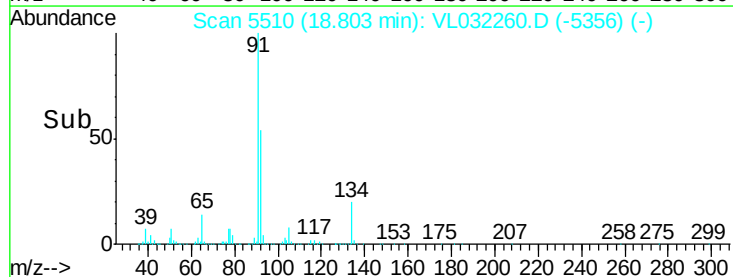
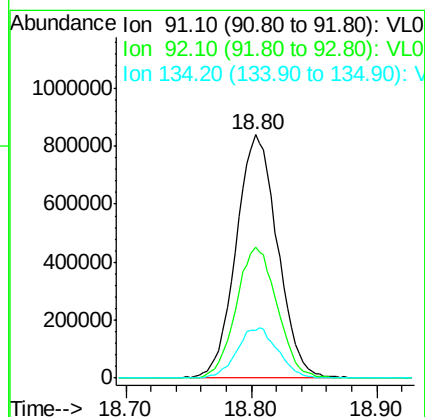
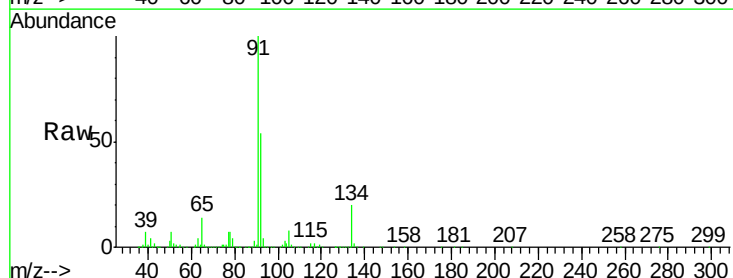
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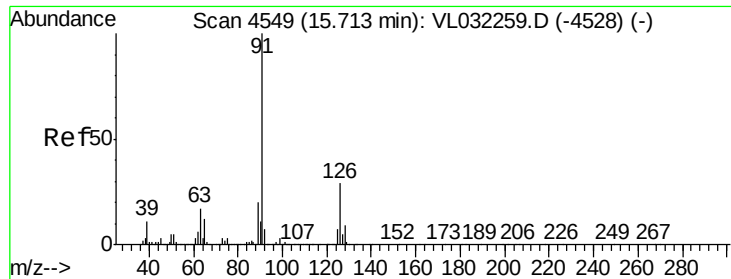
MMDadoda
 7/20/2018 2:53:03 PM



#70
 n-Butylbenzene
 Concen: 2.48 ppbv
 RT: 18.80 min Scan# 5510
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.9	43.8	65.6
134	20.6	17.1	25.7





#71

2-Chlorotoluene

Concen: 2.38 ppbv

RT: 15.71 min Scan# 4548

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampled :

VSTDIC002

Tot Ion: 91 Resp: 1371109

Ion Ratio Lower Upper

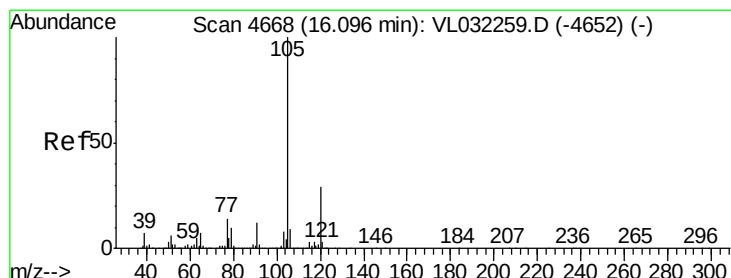
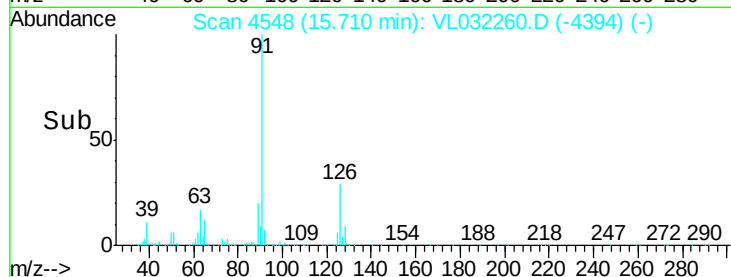
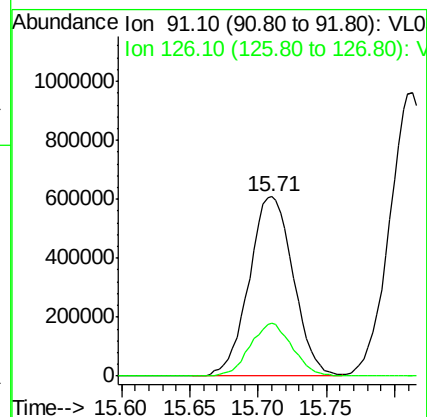
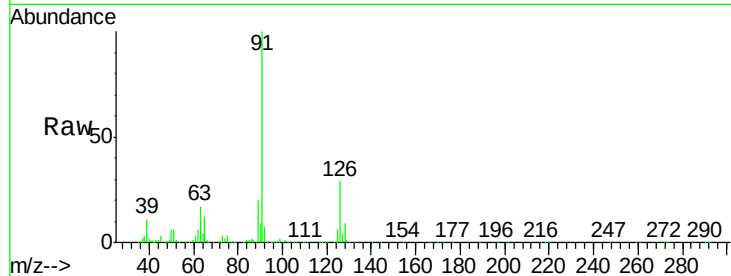
91 100

126 28.1 11.6 46.2

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#72

4-Ethyltoluene

Concen: 2.33 ppbv

RT: 16.09 min Scan# 4666

Delta R.T. -0.01 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion: 105 Resp: 1362939

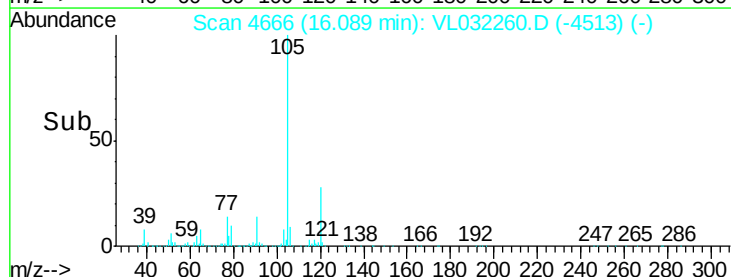
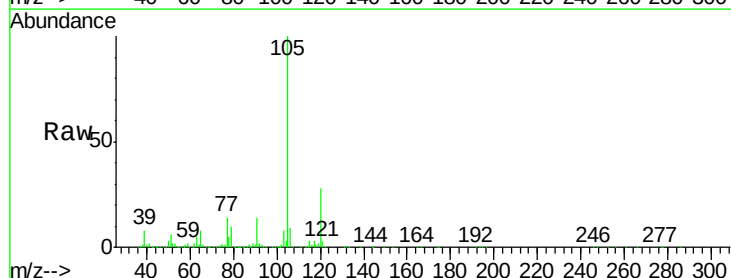
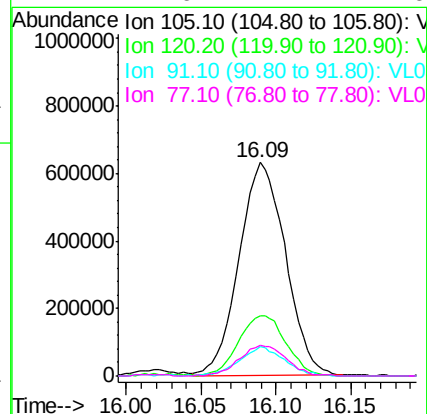
Ion Ratio Lower Upper

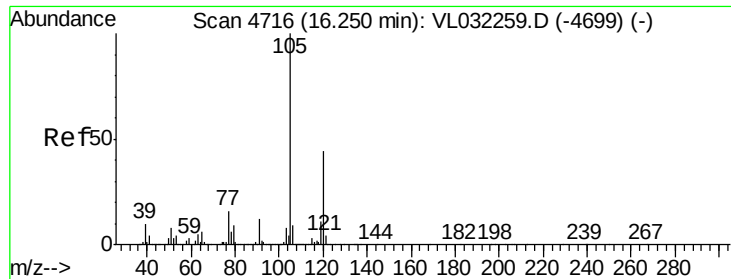
105 100

120 29.2 23.0 34.6

91 13.0 10.1 15.1

77 14.6 11.4 17.0





#73

1,3,5-Trimethylbenzene

Concen: 2.46 ppbv

RT: 16.25 min Scan# 4716

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:105 Resp: 1338100

Ion Ratio Lower Upper

105 100

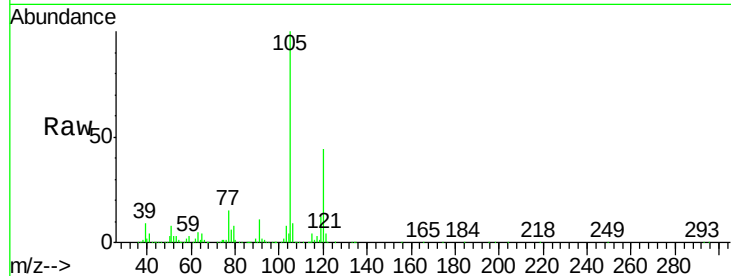
120 43.6 35.5 53.3

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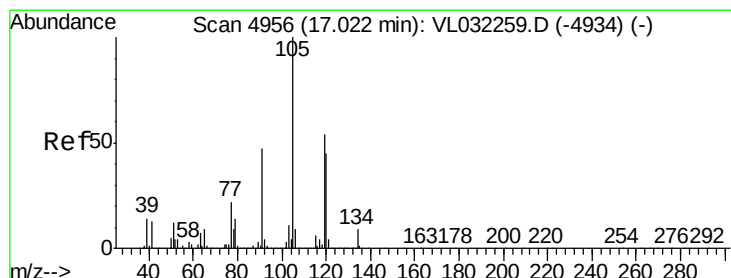
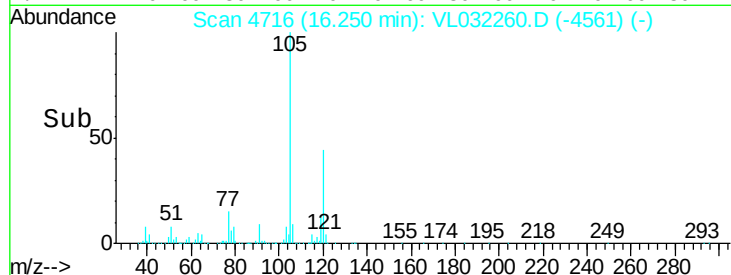
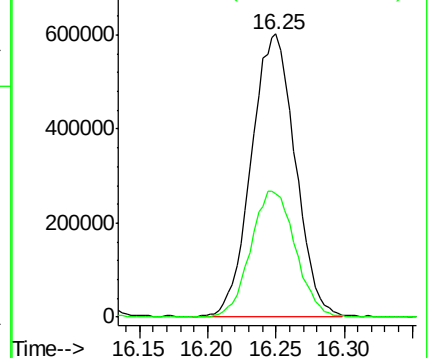
MMDadoda

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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: 2.56 ppbv

RT: 17.02 min Scan# 4954

Delta R.T. -0.01 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Tgt Ion:105 Resp: 1423556

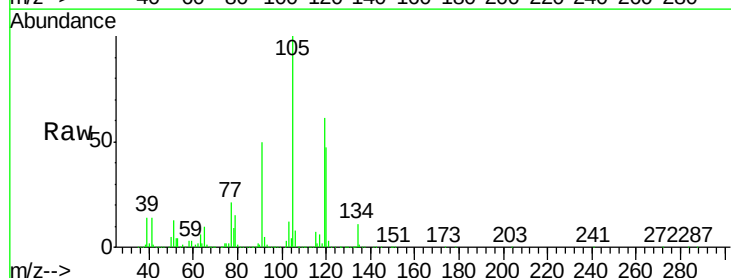
Ion Ratio Lower Upper

105 100

120 47.1 35.8 53.6

91 49.3 38.2 57.4

77 21.3 17.5 26.3

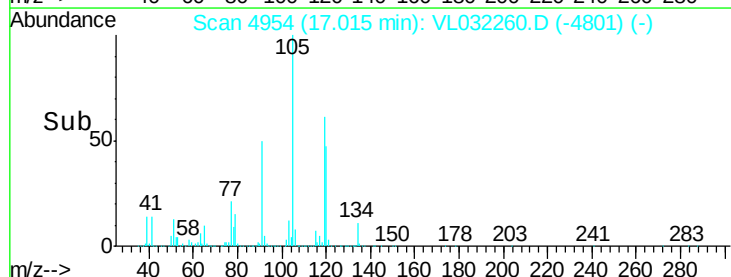
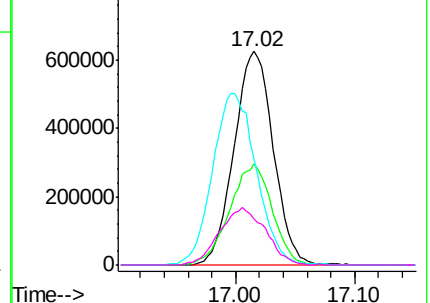


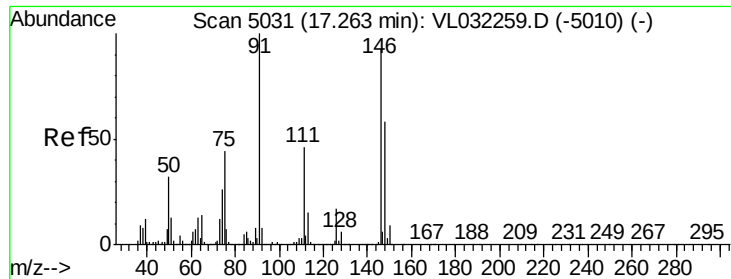
Abundance Ion 105.10 (104.80 to 105.80): V

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





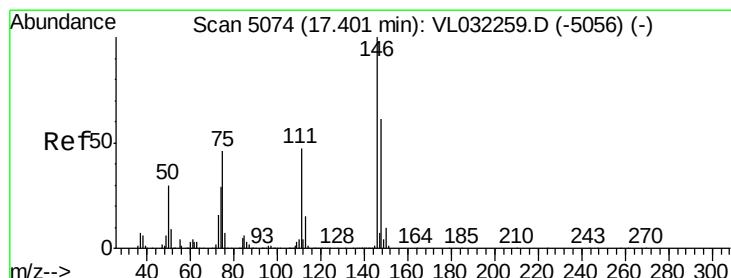
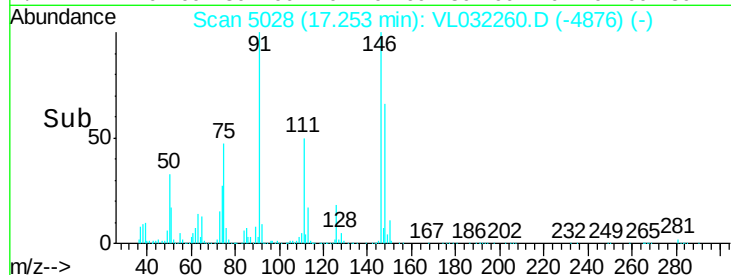
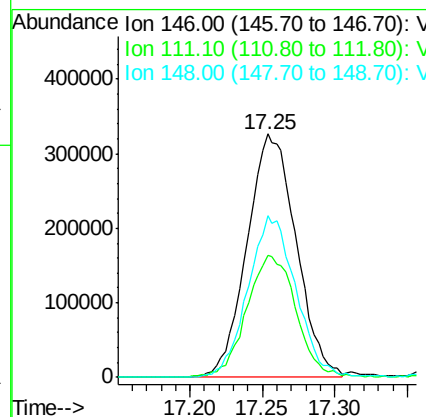
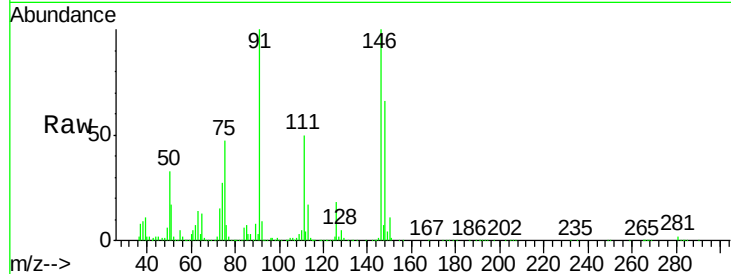
#75
 1,3-Dichlorobenzene
 Concen: 2.30 ppbv
 RT: 17.25 min Scan# 5028
 Delta R.T. -0.01 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.2	25.1	75.4
148	65.6	31.8	95.3

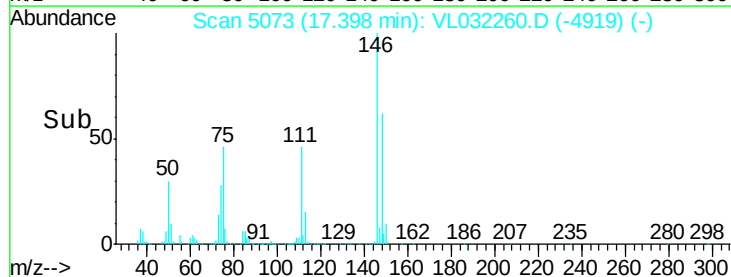
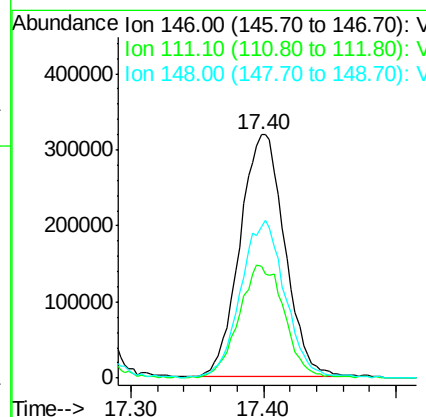
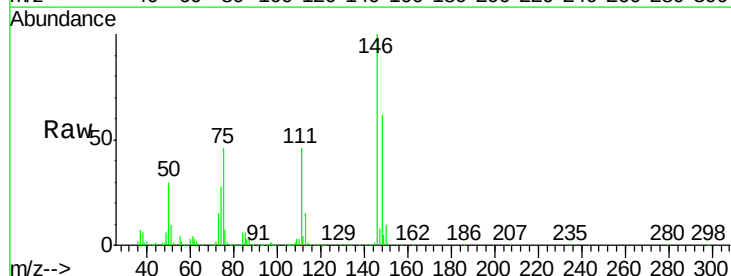
Manual Integrations
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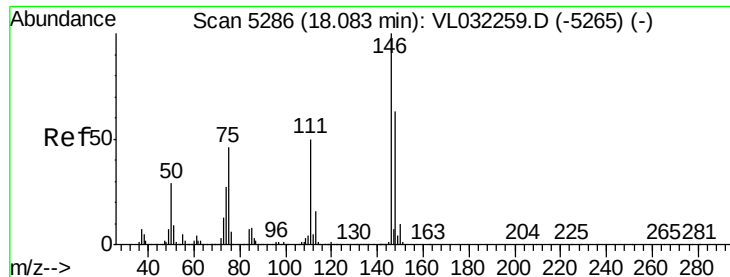
MMDadoda
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#76
 1,4-Dichlorobenzene
 Concen: 2.29 ppbv
 RT: 17.40 min Scan# 5073
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.0	24.1	72.2
148	65.5	31.9	95.9





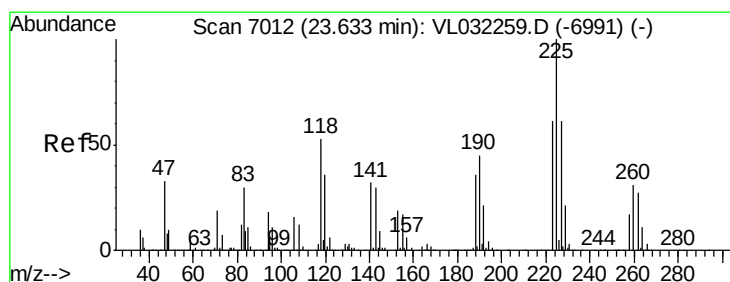
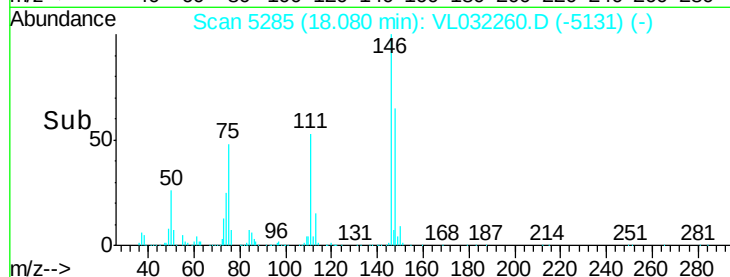
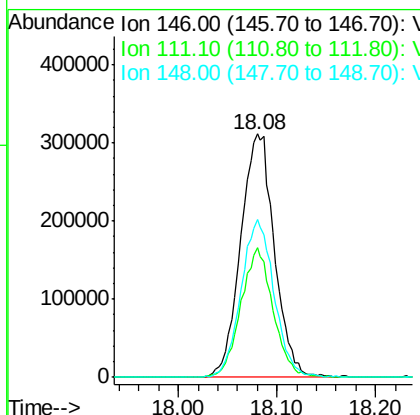
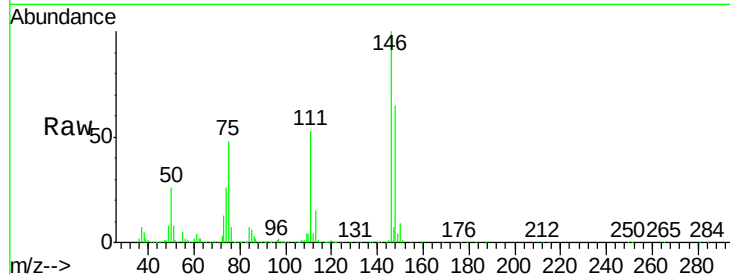
#77
 1,2-Dichlorobenzene
 Concen: 2.25 ppbv m
 RT: 18.08 min Scan# 5285
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
146	100		
111	50.7	25.6	76.8
148	63.8	31.9	95.5

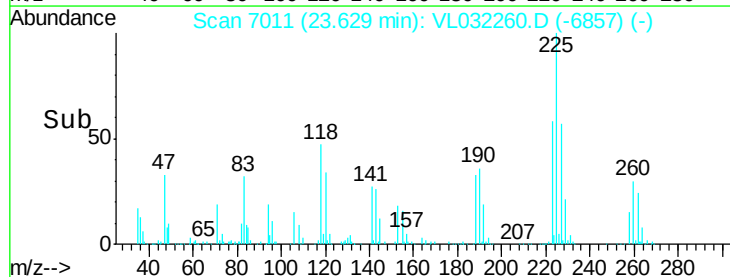
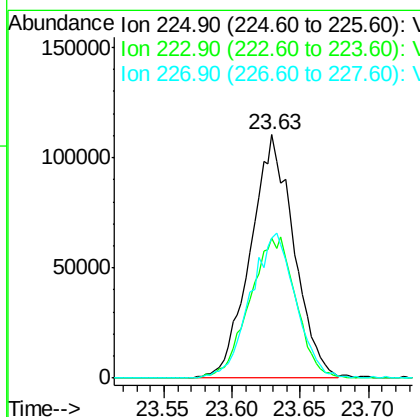
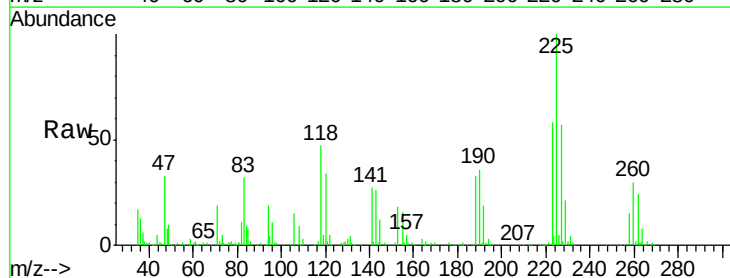
Manual Integrations
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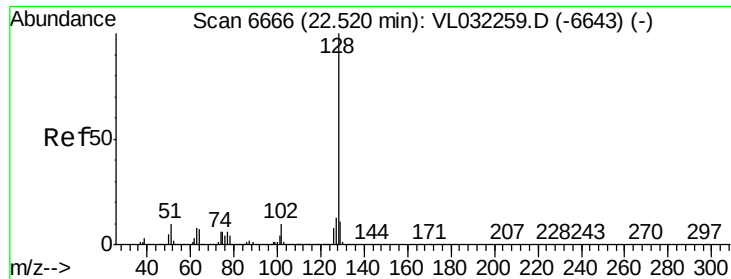
MMDadoda
 7/20/2018 2:53:03 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 2.38 ppbv
 RT: 23.63 min Scan# 7011
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.7	50.6	75.8
227	62.0	51.5	77.3





#79

Naphthalene

Concen: 3.44 ppbv

RT: 22.52 min Scan# 6665

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tot Ion:128 Resp: 1285532

Ion Ratio Lower Upper

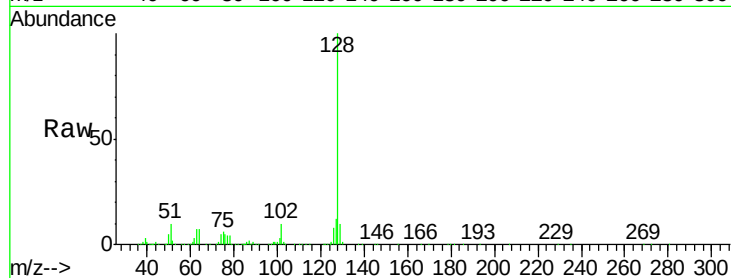
128 100

127 12.5 10.5 15.7

129 10.0 8.6 12.8

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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

22.52

600000

500000

400000

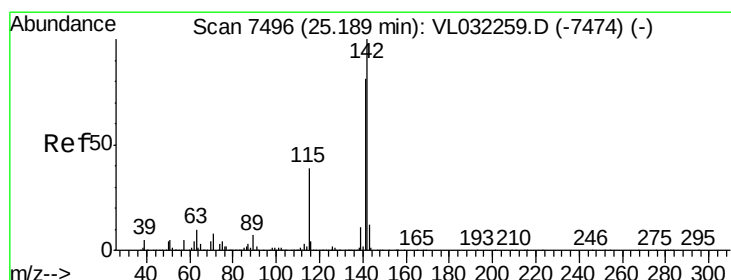
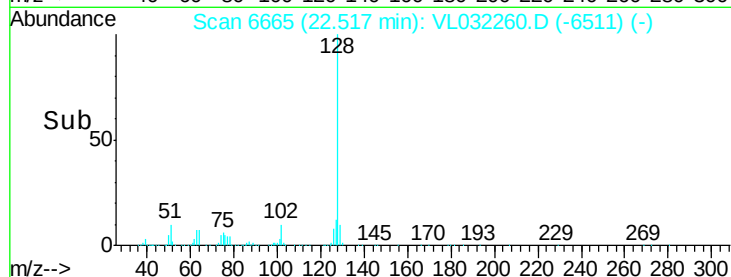
300000

200000

100000

0

Time-->



#80

Naphthalene, 2-methyl-

Concen: 4.84 ppbv

RT: 25.19 min Scan# 7496

Delta R.T. -0.00 min

Lab File: VL032260.D

Acq: 18 Jul 2018 10:00

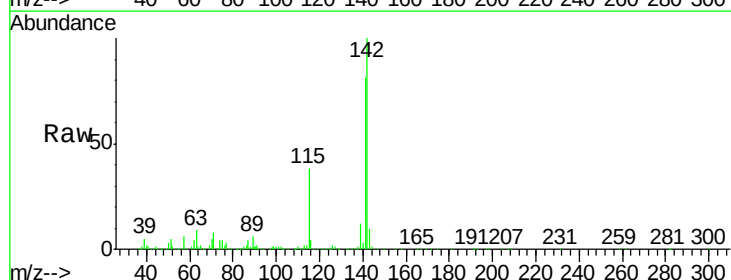
Tgt Ion:142 Resp: 577857

Ion Ratio Lower Upper

142 100

141 83.3 67.1 100.7

115 40.1 32.5 48.7



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

25.19

400000

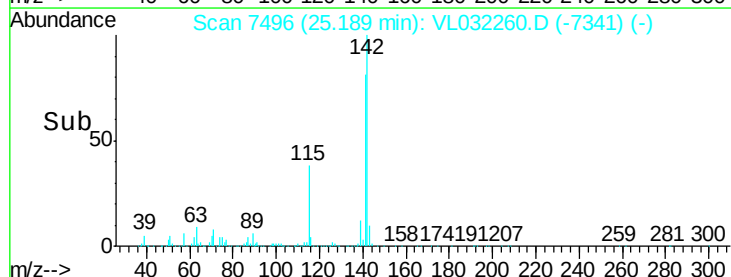
300000

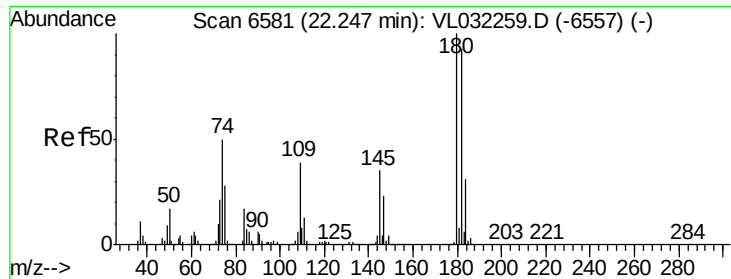
200000

100000

0

Time-->





#81
 1,2,4-Trichlorobenzene
 Concen: 3.25 ppbv
 RT: 22.25 min Scan# 6581
 Delta R.T. -0.00 min
 Lab File: VL032260.D
 Acq: 18 Jul 2018 10:00

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.6	114.8
184	29.6	24.4	36.6

Manual Integrations
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