

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071218\
 Data File : VL032230.D
 Acq On : 12 Jul 2018 19:25
 Operator : SY/AP
 Sample : VSTDIC001
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 5:22:11 PM

Quant Time: Jul 13 03:57:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 2018
 QLast Update : Fri Jul 13 03:36:40 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1858315	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	4207027	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4876509	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3812183	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	292149	1.16	ppbv	93
3) Chlorodifluoromethane	3.07	51	262649	1.13	ppbv	99
4) Chloromethane	3.22	50	130762	1.04	ppbv	94
5) Vinyl Chloride	3.35	62	139826	1.11	ppbv	98
6) Bromomethane	3.57	94	72021	1.00	ppbv	96
7) Chloroethane	3.66	64	45997	1.03	ppbv	96
8) Dichlorotetrafluoroethane	3.27	85	352886	1.26	ppbv	97
9) Propene	3.09	41	102704	0.96	ppbv	99
10) Heptane	8.33	43	266564	0.87	ppbv	98
11) Trichlorofluoromethane	4.07	101	272542	1.04	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.62	101	178880	1.03	ppbv	100
13) Ethanol	3.71	45	32872m	1.03	ppbv	
14) Bromoethene	3.85	108	82179	0.99	ppbv	93
15) Acetone	3.97	43	229244	1.06	ppbv	96
16) 1,3-Butadiene	3.42	39	108886	1.01	ppbv	100
17) tert-Butyl alcohol	4.43	59	107138m	0.81	ppbv	
18) 1,1-Dichloroethene	4.42	96	79534	0.96	ppbv	93
19) Isopropyl Alcohol	4.10	45	150461	0.86	ppbv #	94
20) Methylene Chloride	4.48	84	78490	1.00	ppbv	95
21) Allyl Chloride	4.54	41	122758	0.85	ppbv	97
22) trans-1,2-Dichloroethene	5.04	96	68429	0.78	ppbv	93
23) Vinyl Acetate	5.23	43	361800	0.92	ppbv	98
24) 1,1-Dichloroethane	5.16	63	266806	1.05	ppbv	98
25) Ethyl Acetate	5.85	43	444289	0.99	ppbv	100
26) Hexane	5.86	57	202320	0.98	ppbv	97
27) Carbon Disulfide	4.69	76	179878	0.89	ppbv	99
28) Methyl tert-Butyl Ether	5.20	73	313167	0.87	ppbv	99
29) Chloroform	5.92	83	314059	1.04	ppbv	92
30) Cyclohexane	7.33	84	172696	0.87	ppbv #	74
31) cis-1,2-Dichloroethene	5.71	61	192744	0.93	ppbv	97
32) 1,1,1-Trichloroethane	6.70	97	292601m	0.91	ppbv	
34) 2-Butanone	5.41	43	295963	1.11	ppbv	100
35) Carbon Tetrachloride	7.22	117	293367	1.01	ppbv	93
36) Benzene	7.09	78	433666	1.05	ppbv	95
37) 1,2-Dichloroethane	6.49	62	241668	1.17	ppbv	99
38) Trichloroethene	8.05	130	141875	0.91	ppbv	90
39) 1,2-Dichloropropane	7.82	63	171053	1.06	ppbv	97
40) 1,4-Dioxane	8.07	88	64484m	1.07	ppbv	
41) Tetrahydrofuran	6.24	42	155662m	0.97	ppbv	
42) Bromodichloromethane	8.00	83	334086	1.06	ppbv	97
43) Methyl Methacrylate	8.23	69	153991	0.92	ppbv	97

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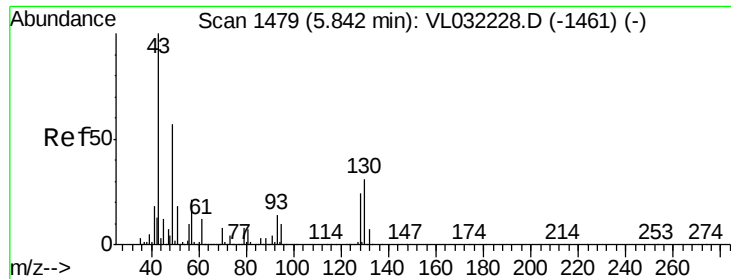
Manual Integrations
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Quant Time: Jul 13 03:57:27 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071218AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.08	57	754970	1.07	ppbv	98
45) t-1,3-Dichloropropene	9.51	75	177208m	0.85	ppbv	
46) cis-1,3-Dichloropropene	8.93	75	256340	1.02	ppbv	98
47) 1,1,2-Trichloroethane	9.70	97	196122	1.17	ppbv	94
48) Dibromochloromethane	10.54	129	284295	1.11	ppbv	99
49) Bromoform	13.30	173	226495	1.06	ppbv	98
50) 4-Methyl-2-Pentanone	8.97	43	519963	1.17	ppbv	100
51) 2-Hexanone	10.38	43	411942	1.12	ppbv #	100
52) Tetrachloroethene	11.47	164	160025	1.09	ppbv	97
53) Toluene	10.04	91	505166	1.04	ppbv	99
54) 1,2-Dibromoethane	10.85	107	292810	1.17	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.37	131	230379	1.06	ppbv #	1
57) Chlorobenzene	12.40	112	457728	1.09	ppbv	99
58) Ethyl Benzene	12.96	91	760981	0.97	ppbv	89
59) m/p-Xylene	13.24	91	1272397m	2.02	ppbv	
60) o-Xylene	13.94	91	639776	1.02	ppbv	99
61) Styrene	13.78	104	450034	0.89	ppbv	99
62) Isopropylbenzene	14.92	105	886845	0.93	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.93	83	521064	1.07	ppbv	100
64) n-propylbenzene	15.81	120	220454m	0.89	ppbv	
65) tert-Butylbenzene	17.00	119	757194	0.90	ppbv	98
66) Benzyl Chloride	17.25	91	309820m	0.61	ppbv	
67) sec-Butylbenzene	17.56	105	1090771	0.89	ppbv	99
69) p-Isopropyltoluene	17.91	119	847773	0.86	ppbv	99
70) n-Butylbenzene	18.81	91	916599	0.89	ppbv	98
71) 2-Chlorotoluene	15.71	91	685596	0.92	ppbv	100
72) 4-Ethyltoluene	16.09	105	694458	0.86	ppbv	99
73) 1,3,5-Trimethylbenzene	16.25	105	634253	0.84	ppbv	94
74) 1,2,4-Trimethylbenzene	17.02	105	666665	0.87	ppbv	94
75) 1,3-Dichlorobenzene	17.26	146	415198	0.96	ppbv	98
76) 1,4-Dichlorobenzene	17.40	146	391932	0.90	ppbv	99
77) 1,2-Dichlorobenzene	18.08	146	399771	0.93	ppbv	99
78) Hexachloro-1,3-Butadiene	23.64	225	122337	0.83	ppbv	97
79) Naphthalene	22.53	128	295287	0.43	ppbv #	94
80) Naphthalene, 2-methyl-	25.19	142	16615	0.07	ppbv	94
81) 1,2,4-Trichlorobenzene	22.25	180	172680m	0.56	ppbv	

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



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.01 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 49 Resp: 1858315

Ion Ratio Lower Upper

49 100

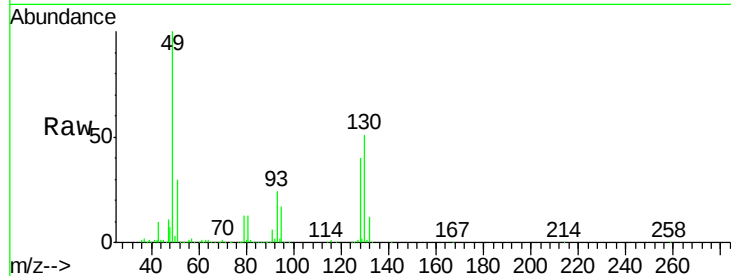
128 41.4 20.9 62.8

130 52.7 27.0 81.0

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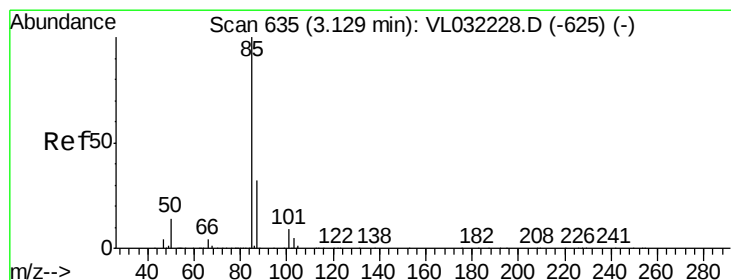
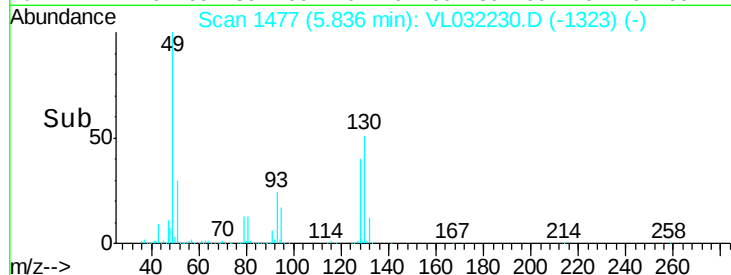
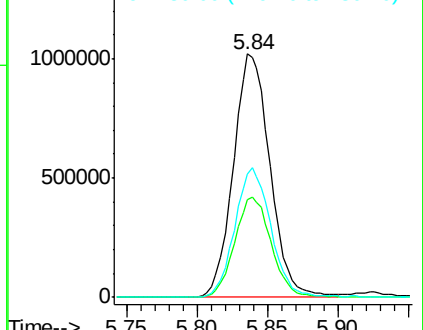
7/13/2018 5:22:11 PM



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: 1.16 ppbv

RT: 3.13 min Scan# 635

Delta R.T. -0.00 min

Lab File: VL032230.D

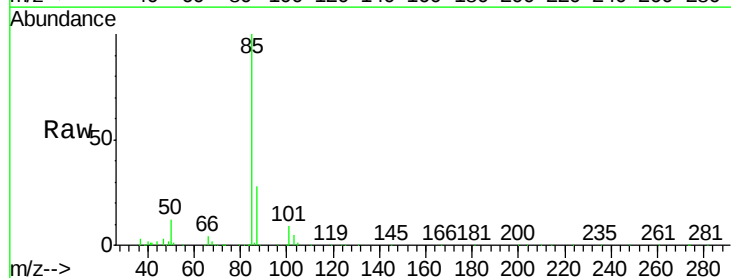
Acq: 12 Jul 2018 19:25

Tgt Ion: 85 Resp: 292149

Ion Ratio Lower Upper

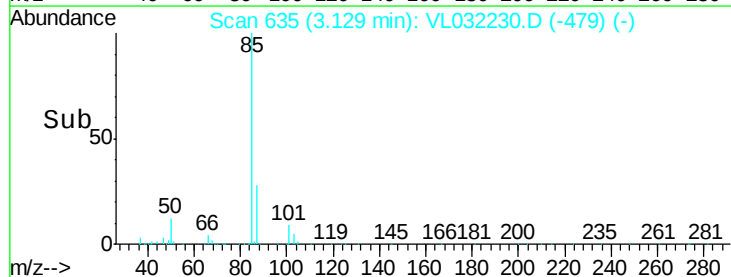
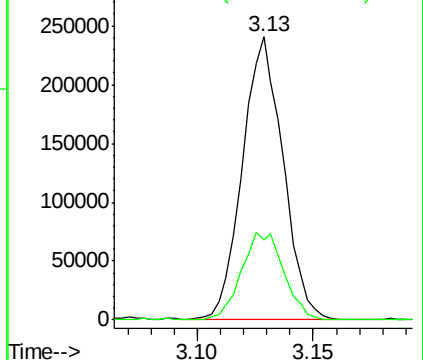
85 100

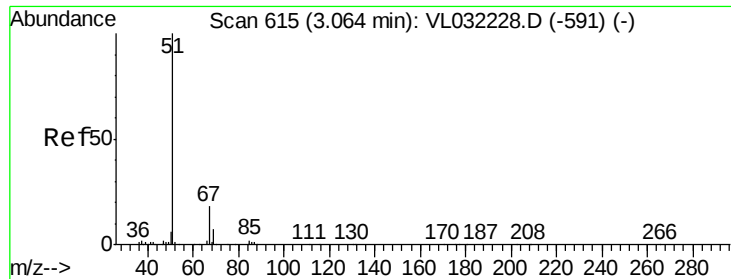
87 28.1 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 1.13 ppbv

RT: 3.07 min Scan# 616

Delta R.T. 0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 51 Resp: 262649

Ion Ratio Lower Upper

51 100

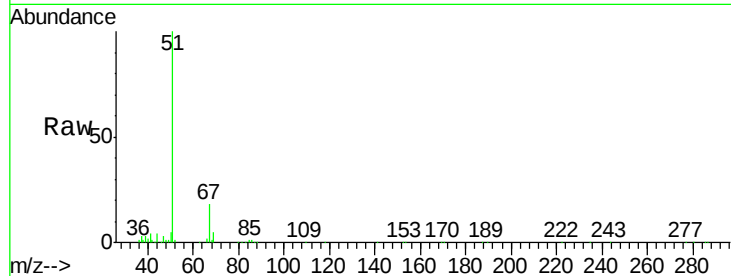
67 17.6 14.6 22.0

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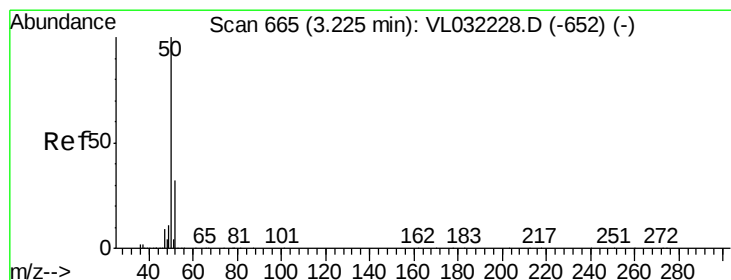
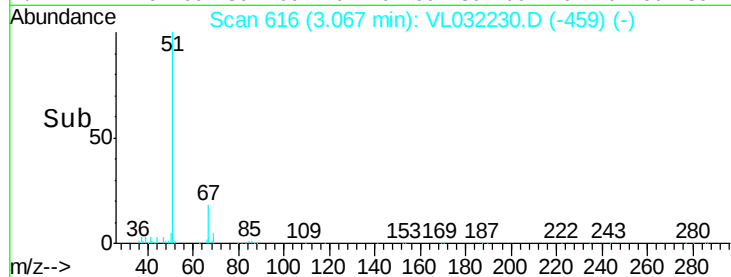
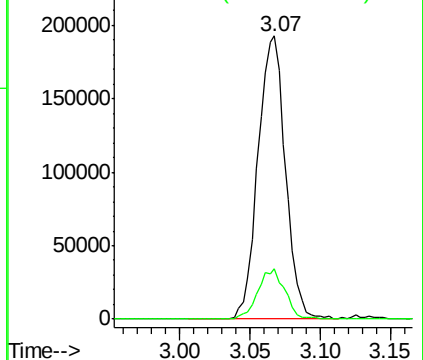
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 1.04 ppbv

RT: 3.22 min Scan# 665

Delta R.T. -0.00 min

Lab File: VL032230.D

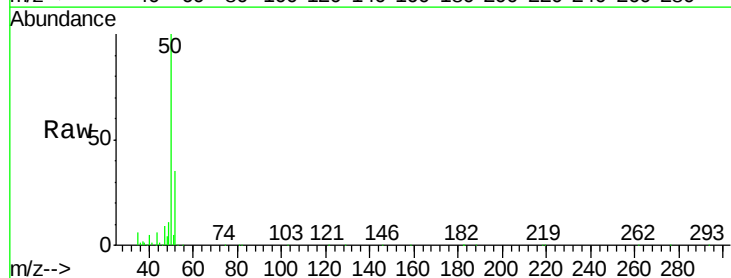
Acq: 12 Jul 2018 19:25

Tgt Ion: 50 Resp: 130762

Ion Ratio Lower Upper

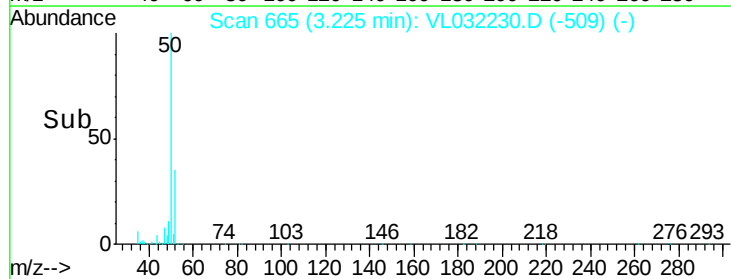
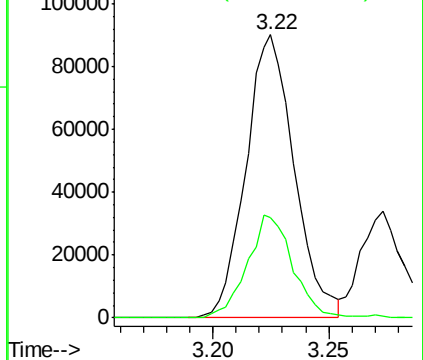
50 100

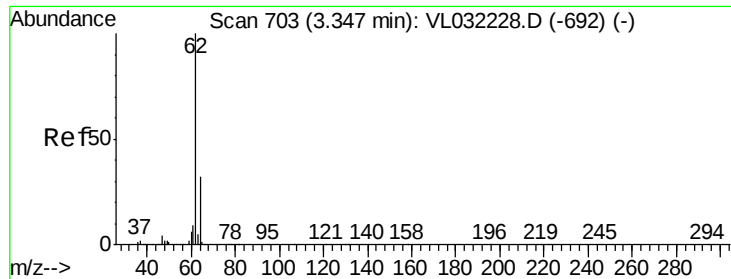
52 35.4 25.7 38.5



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 1.11 ppbv

RT: 3.35 min Scan# 703

Delta R.T. -0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 62 Resp: 139826

Ion Ratio Lower Upper

62 100

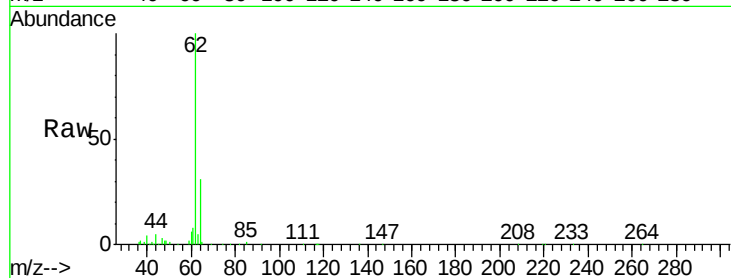
64 31.1 25.8 38.6

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

120000

100000

80000

60000

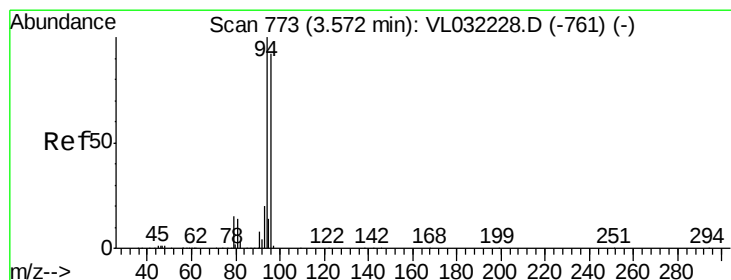
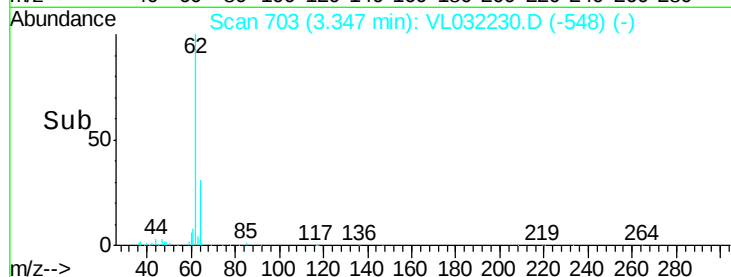
40000

20000

0

3.30 3.35 3.40

Time-->



#6

Bromomethane

Concen: 1.00 ppbv

RT: 3.57 min Scan# 773

Delta R.T. -0.00 min

Lab File: VL032230.D

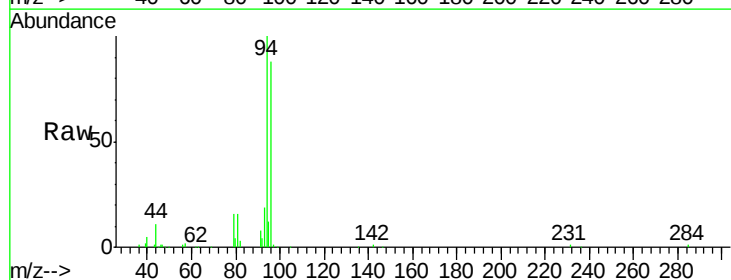
Acq: 12 Jul 2018 19:25

Tgt Ion: 94 Resp: 72021

Ion Ratio Lower Upper

94 100

96 87.9 73.5 110.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

60000

50000

40000

30000

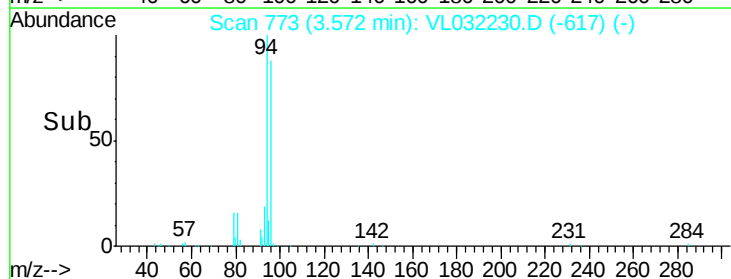
20000

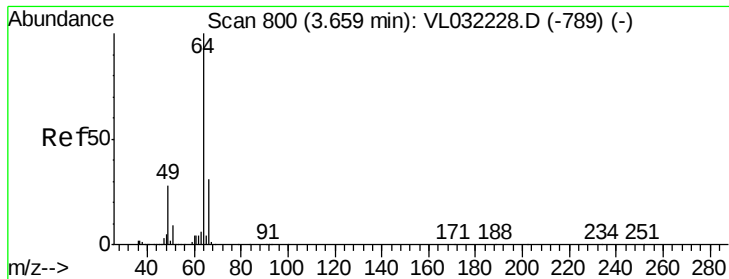
10000

0

3.50 3.55 3.60

Time-->





#7

Chloroethane

Concen: 1.03 ppbv

RT: 3.66 min Scan# 801

Delta R.T. 0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 64 Resp: 45997

Ion Ratio Lower Upper

64 100

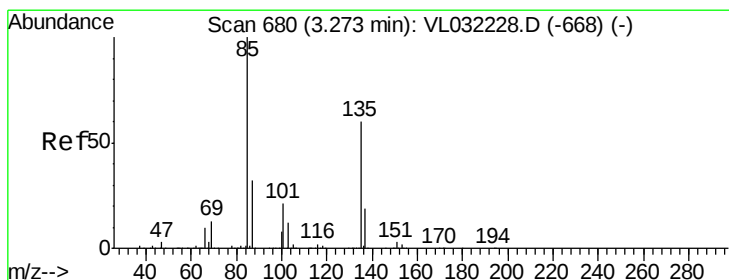
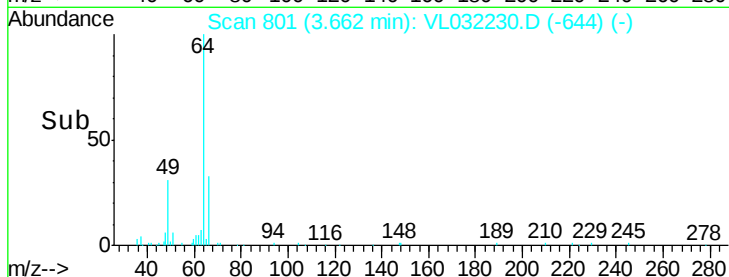
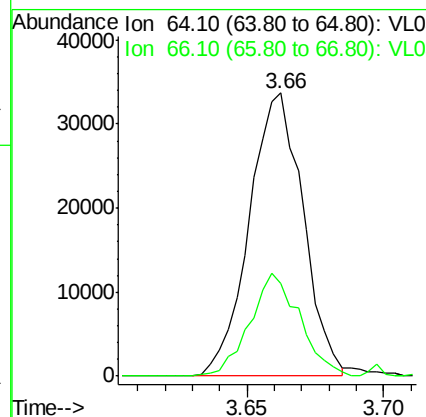
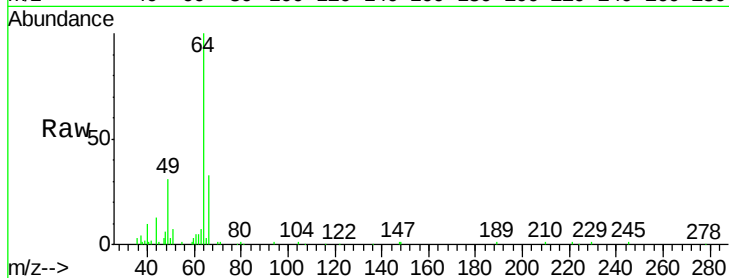
66 32.8 24.4 36.6

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 1.26 ppbv

RT: 3.27 min Scan# 680

Delta R.T. -0.00 min

Lab File: VL032230.D

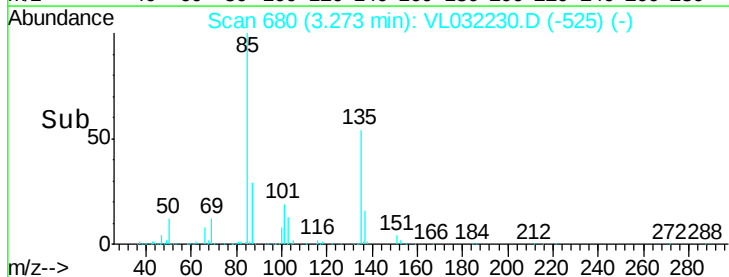
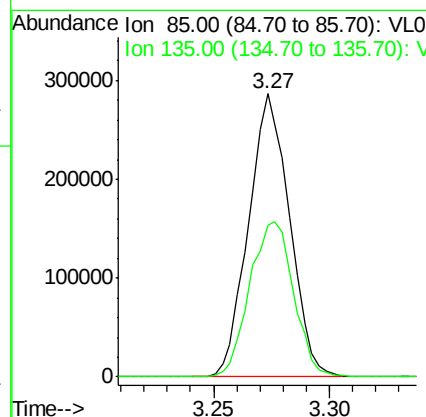
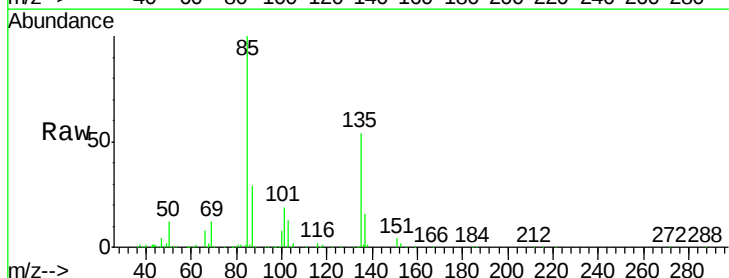
Acq: 12 Jul 2018 19:25

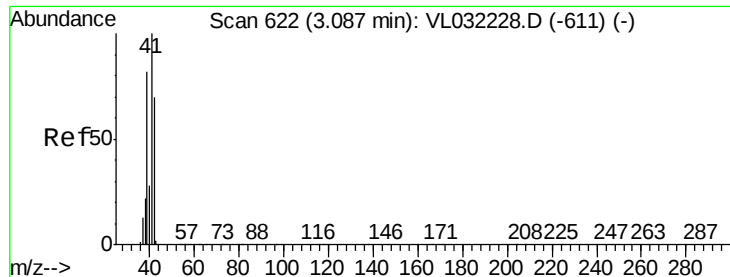
Tgt Ion: 85 Resp: 352886

Ion Ratio Lower Upper

85 100

135 58.6 48.6 72.8





#9

Propene

Concen: 0.96 ppbv

RT: 3.09 min Scan# 623

Delta R.T. 0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 41 Resp: 102704

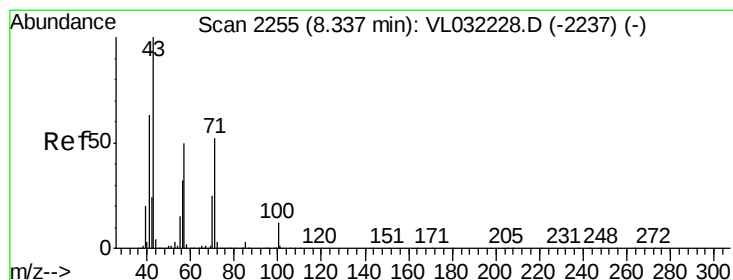
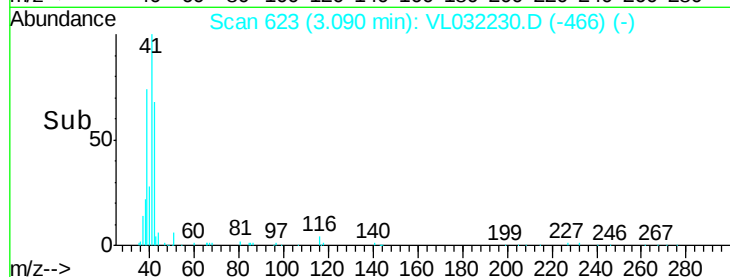
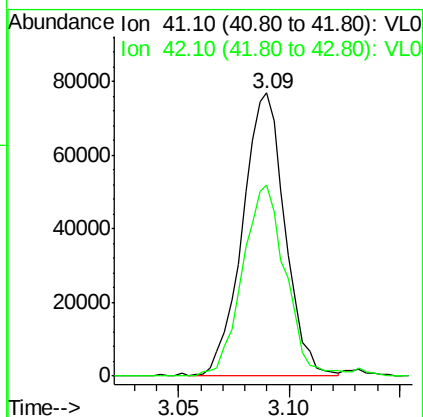
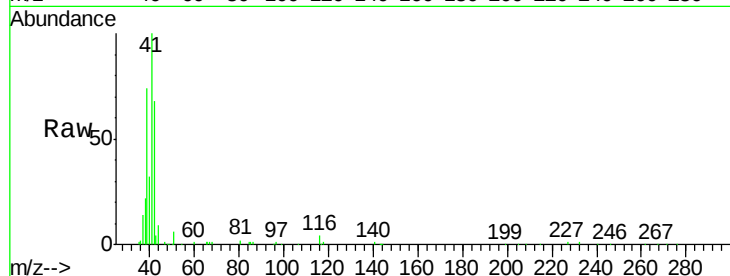
Ion Ratio Lower Upper

41 100

42 69.8 56.2 84.4

Manual Integrations
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#10

Heptane

Concen: 0.87 ppbv

RT: 8.33 min Scan# 2254

Delta R.T. -0.00 min

Lab File: VL032230.D

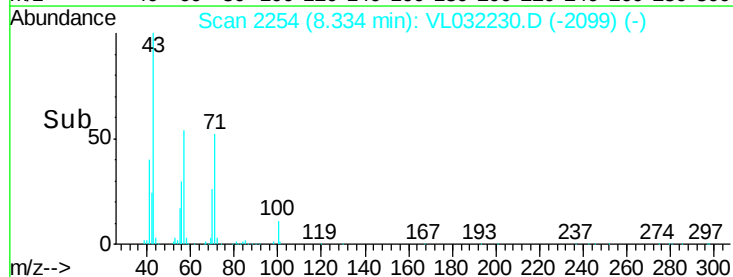
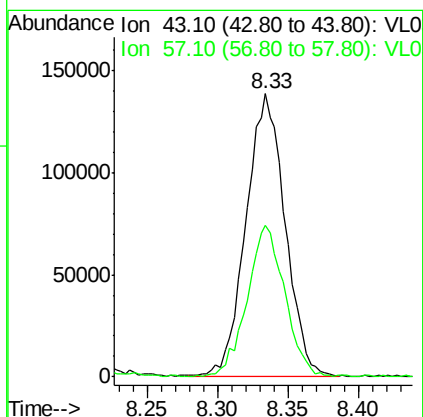
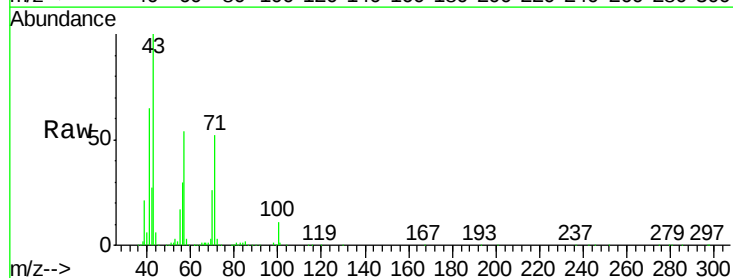
Acq: 12 Jul 2018 19:25

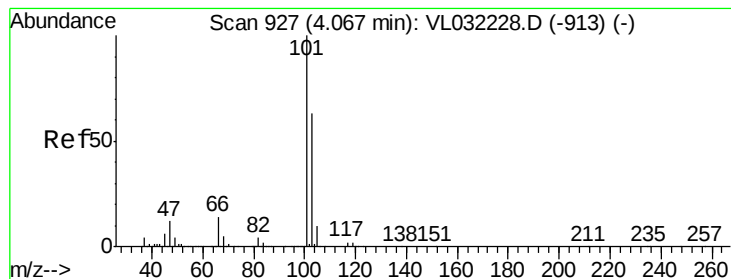
Tgt Ion: 43 Resp: 266564

Ion Ratio Lower Upper

43 100

57 52.3 40.7 61.1





#11

Trichlorofluoromethane

Concen: 1.04 ppbv

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion:101 Resp: 272542

Ion Ratio Lower Upper

101 100

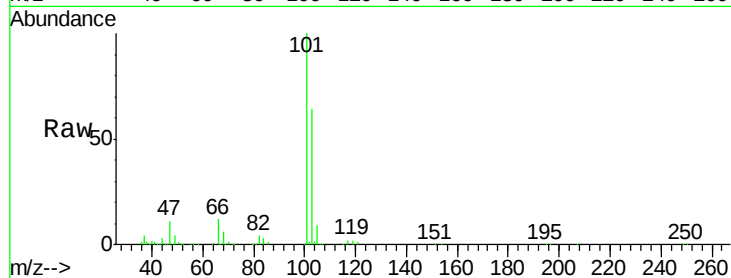
103 64.5 50.2 75.2

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

4.07

200000

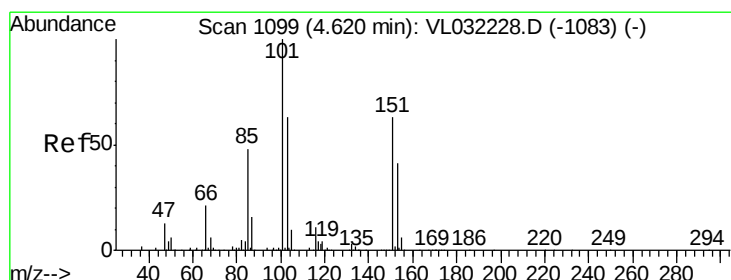
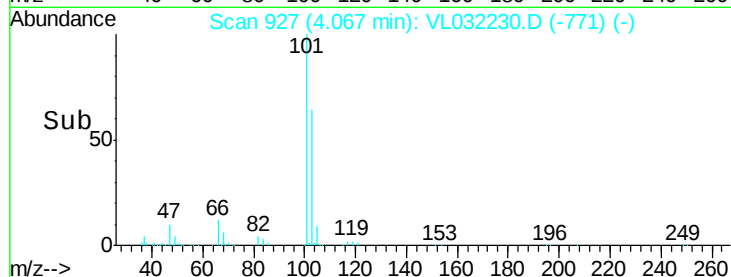
150000

100000

50000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.03 ppbv

RT: 4.62 min Scan# 1100

Delta R.T. 0.00 min

Lab File: VL032230.D

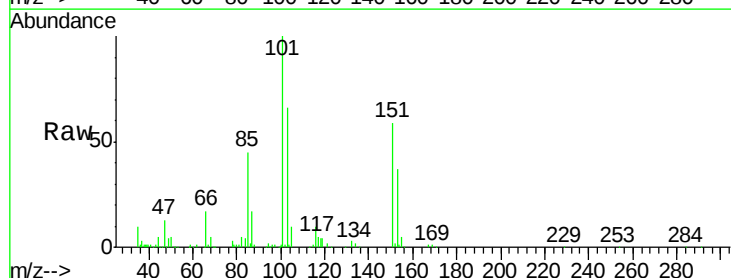
Acq: 12 Jul 2018 19:25

Tgt Ion:101 Resp: 178880

Ion Ratio Lower Upper

101 100

151 65.6 52.2 78.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

4.62

120000

100000

80000

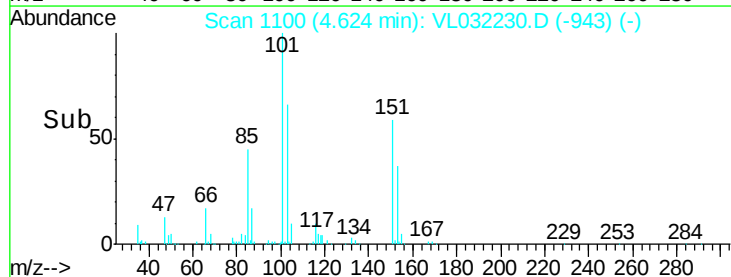
60000

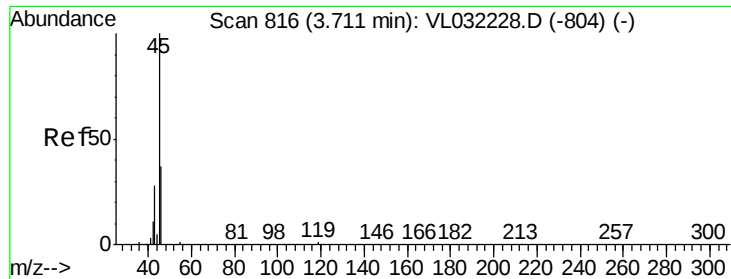
40000

20000

0

Time-->





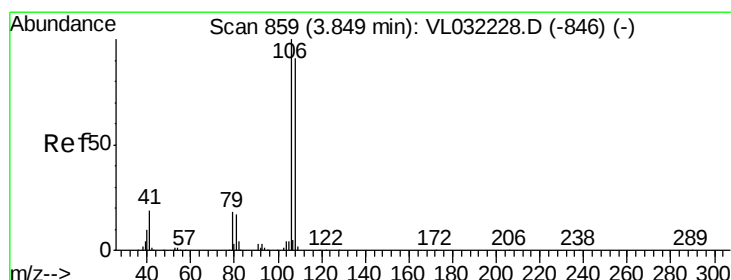
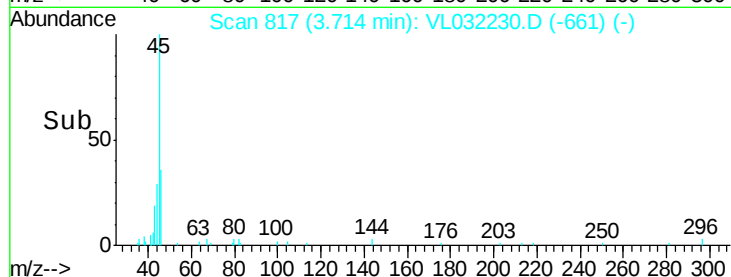
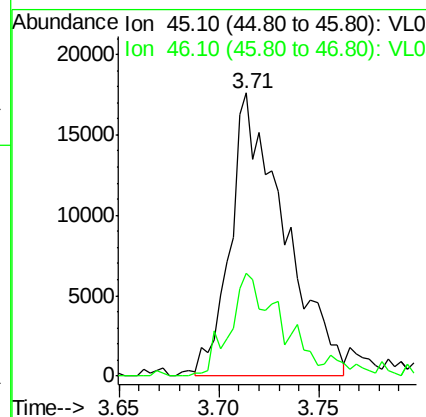
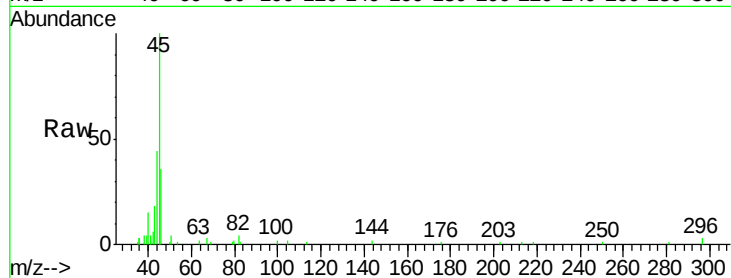
#13
Ethanol
Concen: 1.03 ppbv m
RT: 3.71 min Scan# 817
Delta R.T. 0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	45	46	Ratio	Lower	Upper
Resp:	32872				
Ion	100	38.4			
Ratio			15.5		61.9

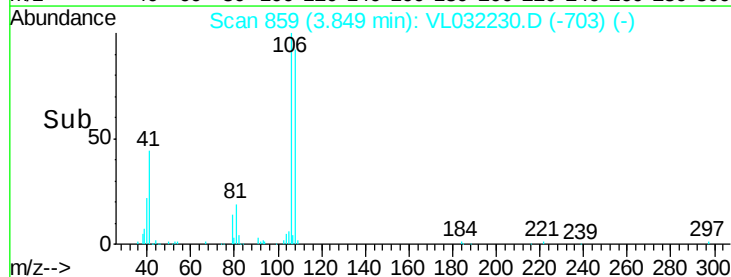
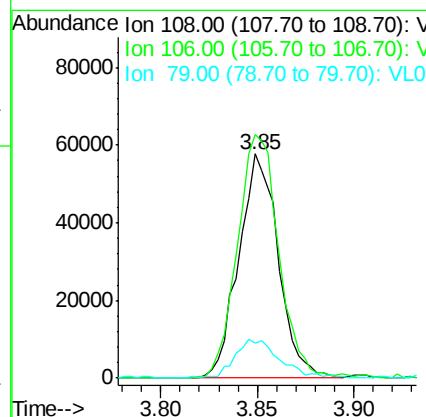
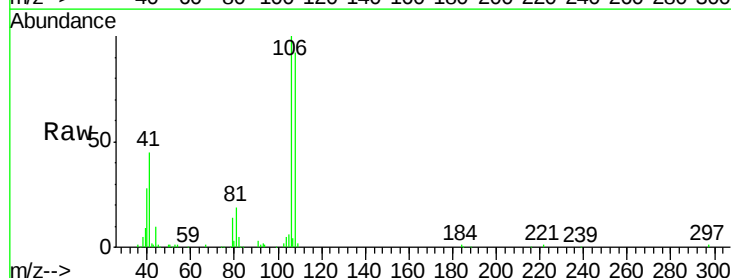
Manual Integrations
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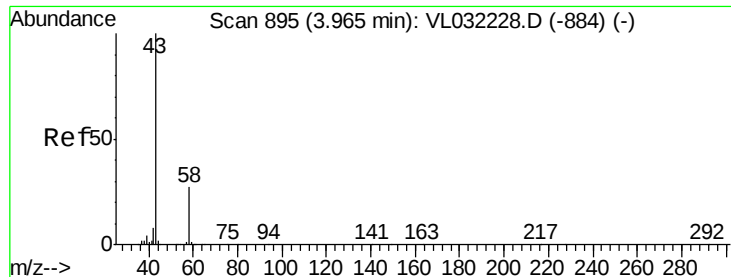
MMDadoda
7/13/2018 5:22:11 PM



#14
Bromoethene
Concen: 0.99 ppbv
RT: 3.85 min Scan# 859
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion	108	106	79	Ratio	Lower	Upper
Resp:	82179					
Ion	100	114.2	19.9			
Ratio				85.5		128.3
Lower				14.2		21.4





#15

Acetone

Concen: 1.06 ppbv

RT: 3.97 min Scan# 897

Delta R.T. 0.01 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 229244

Ion Ratio Lower Upper

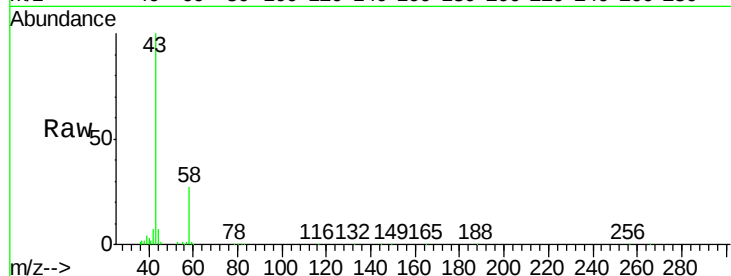
43 100

58 28.8 21.5 32.3

Manual Integrations
APPROVED

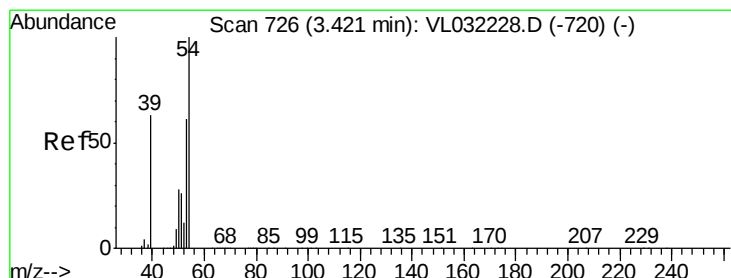
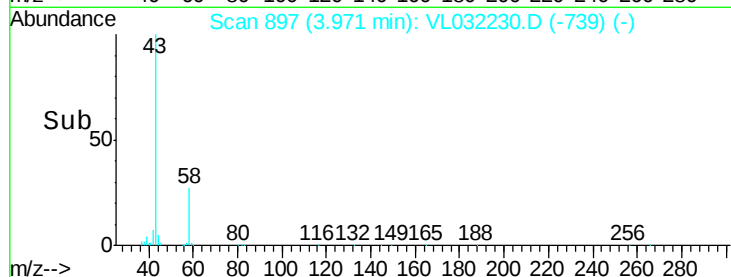
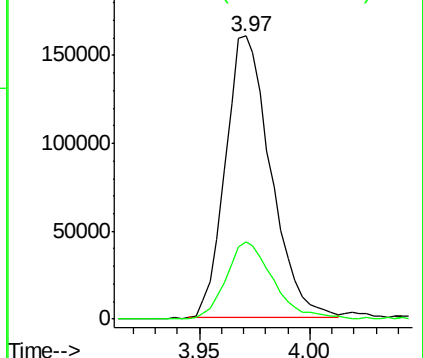
MMDadoda

7/13/2018 5:22:11 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 1.01 ppbv

RT: 3.42 min Scan# 725

Delta R.T. -0.00 min

Lab File: VL032230.D

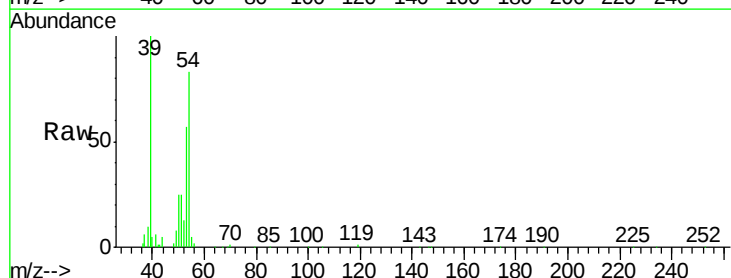
Acq: 12 Jul 2018 19:25

Tgt Ion: 39 Resp: 108886

Ion Ratio Lower Upper

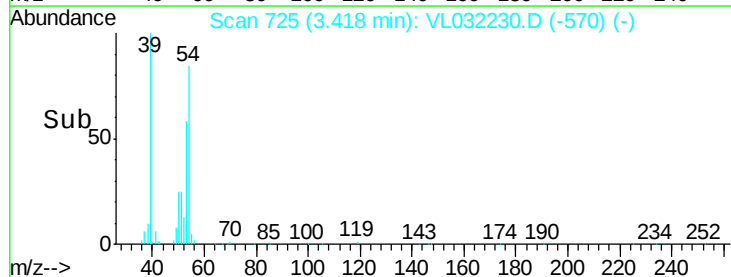
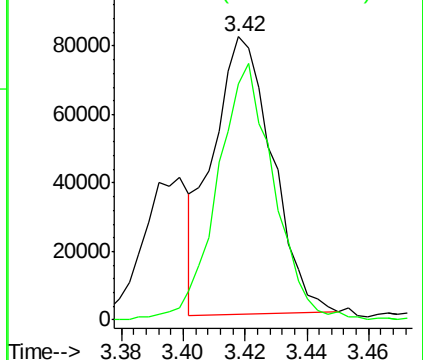
39 100

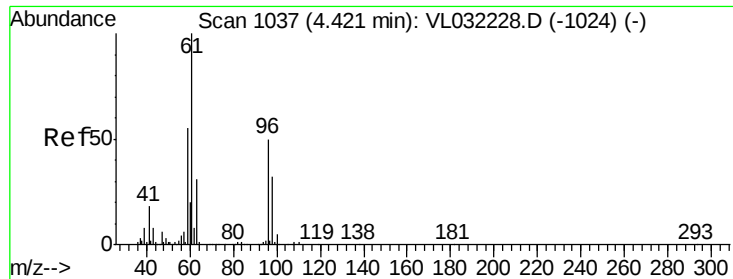
54 87.6 70.0 105.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





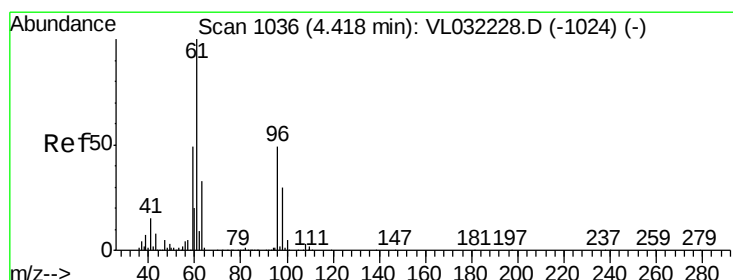
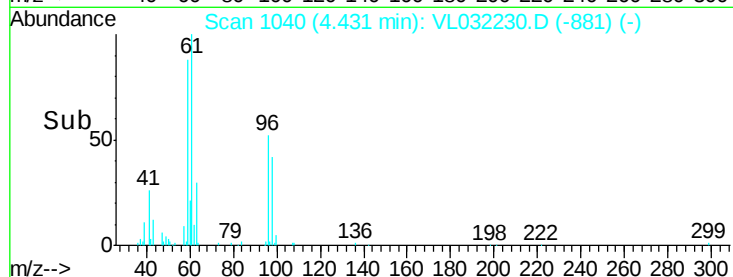
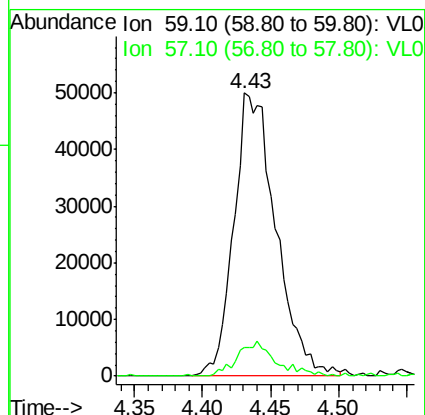
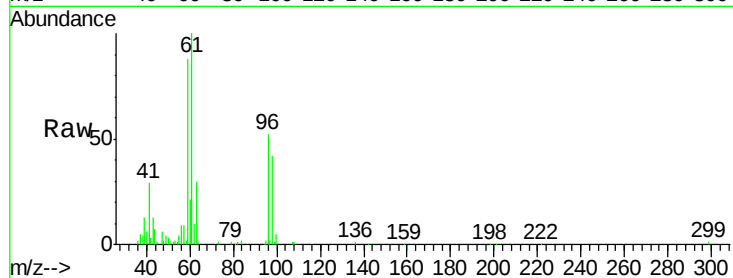
#17
tert-Butyl alcohol
Concen: 0.81 ppbv m
RT: 4.43 min Scan# 1040
Delta R.T. 0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 59 Resp: 107138
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#

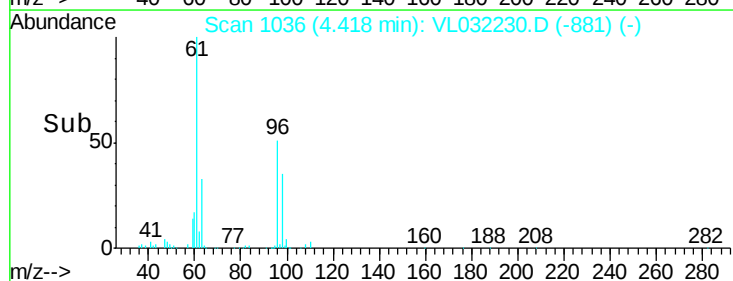
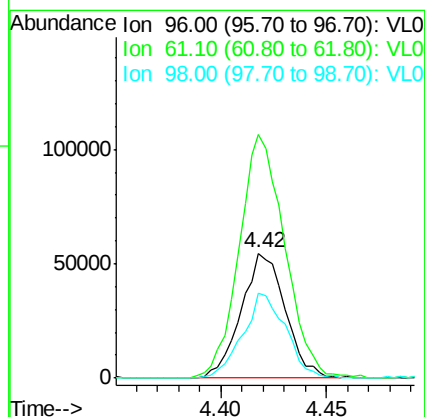
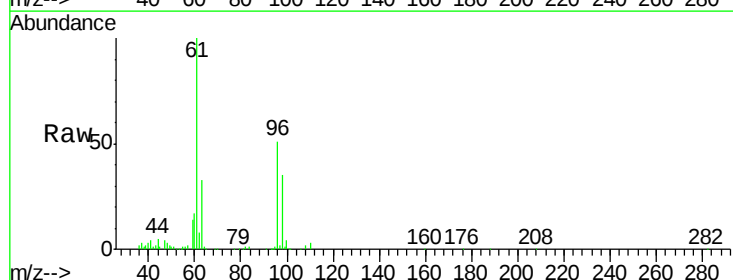
Manual Integrations
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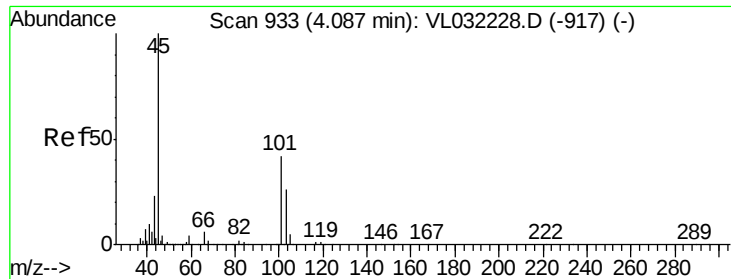
MMDadoda
7/13/2018 5:22:11 PM



#18
1,1-Dichloroethene
Concen: 0.96 ppbv
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 96 Resp: 79534
Ion Ratio Lower Upper
96 100
61 194.6 163.0 244.4
98 67.6 48.5 72.7





#19

Isopropyl Alcohol

Concen: 0.86 ppbv

RT: 4.10 min Scan# 936

Delta R.T. 0.01 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 45 Resp: 150461

Ion Ratio Lower Upper

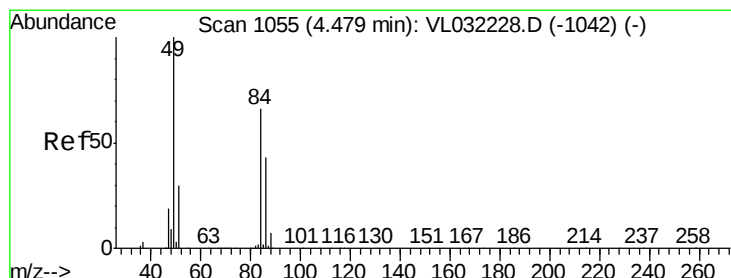
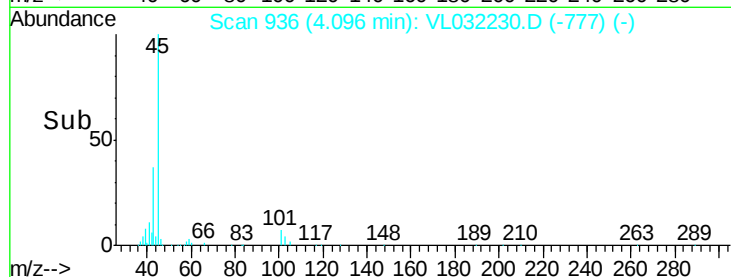
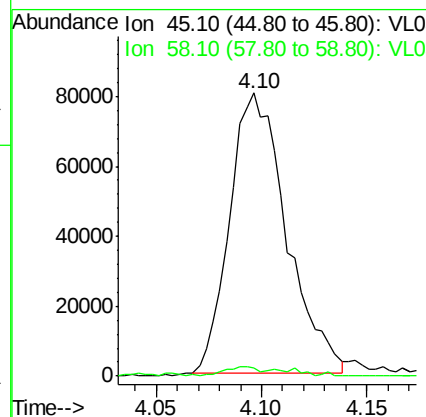
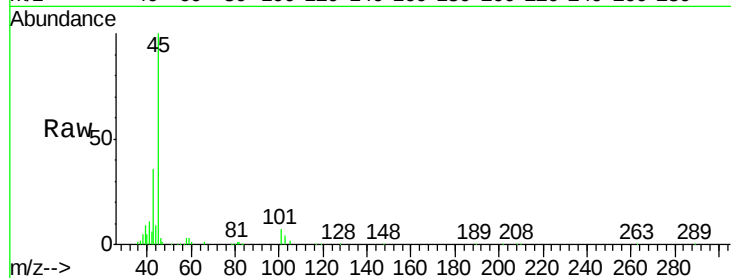
45 100

58 3.7 1.3 1.9#

Manual Integrations
APPROVED

MMDadoda

7/13/2018 5:22:11 PM



#20

Methylene Chloride

Concen: 1.00 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. -0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Tgt Ion: 84 Resp: 78490

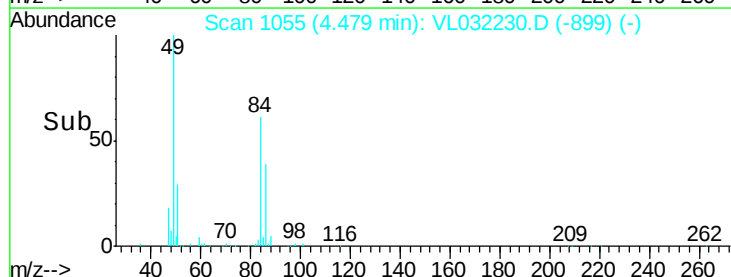
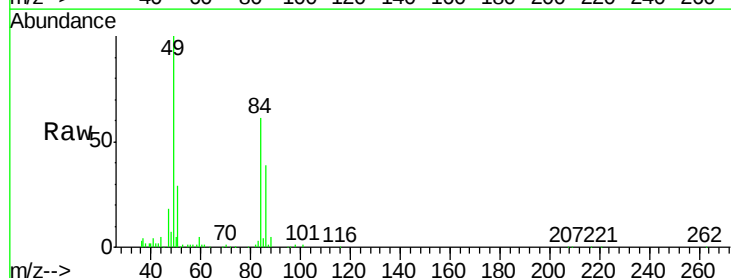
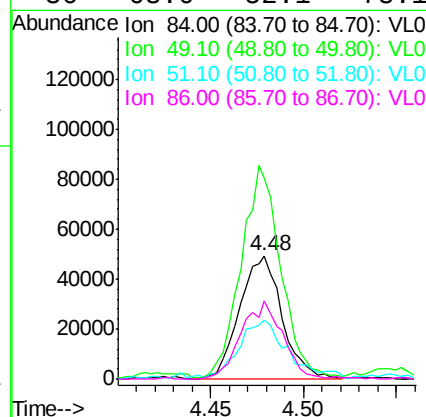
Ion Ratio Lower Upper

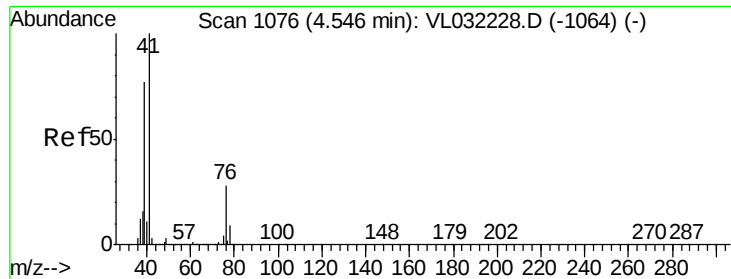
84 100

49 161.7 121.8 182.6

51 45.7 36.3 54.5

86 63.0 52.1 78.1





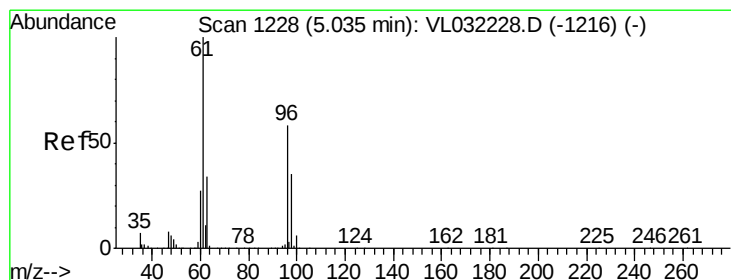
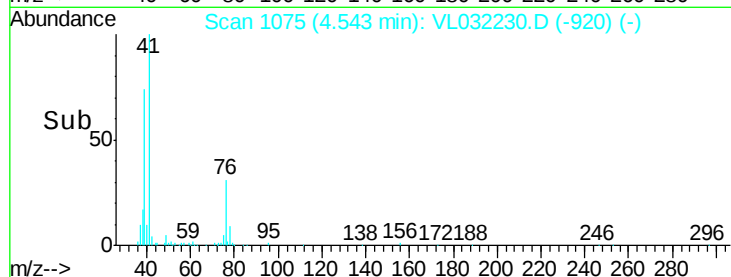
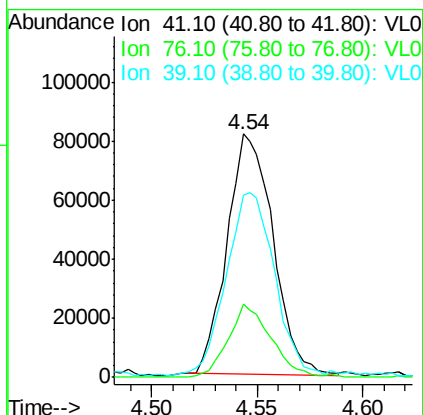
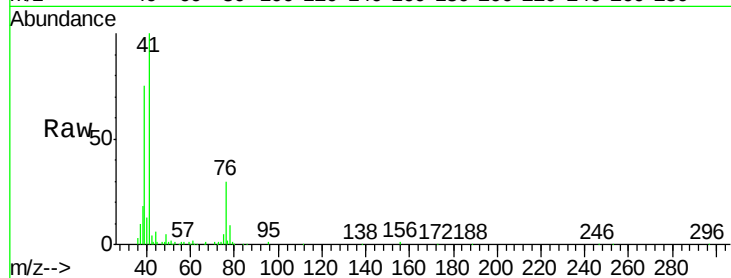
#21
Allvl Chloride
Concen: 0.85 ppbv
RT: 4.54 min Scan# 1075
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.8	22.9	34.3
39	81.9	62.3	93.5

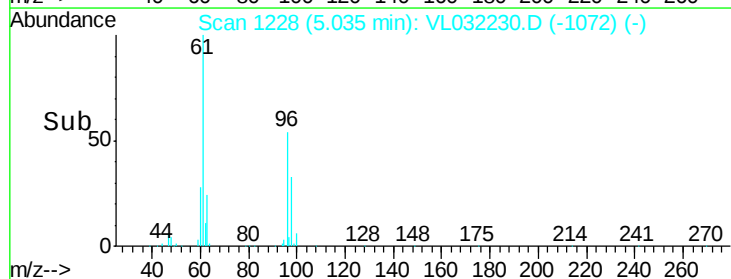
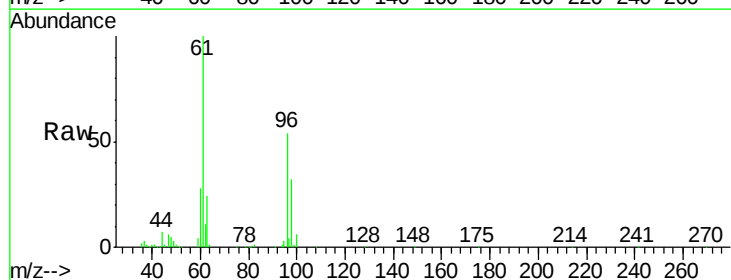
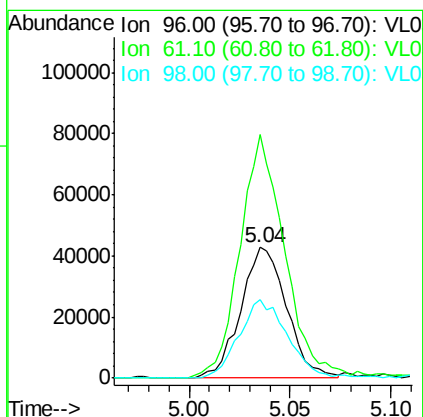
Manual Integrations
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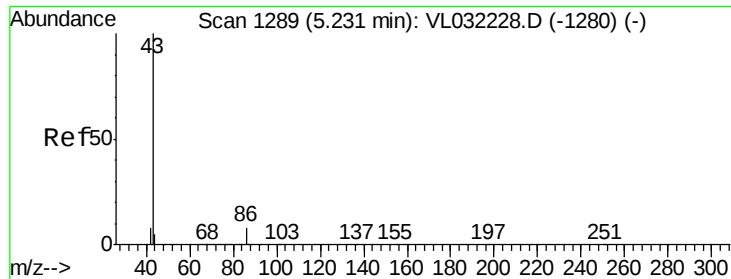
MMDadoda
7/13/2018 5:22:11 PM



#22
trans-1,2-Dichloroethene
Concen: 0.78 ppbv
RT: 5.04 min Scan# 1228
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	186.5	139.1	208.7
98	60.5	48.4	72.6





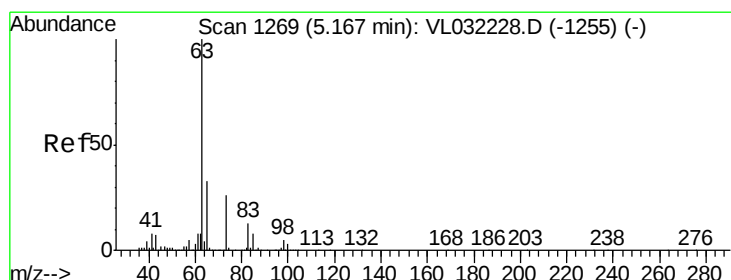
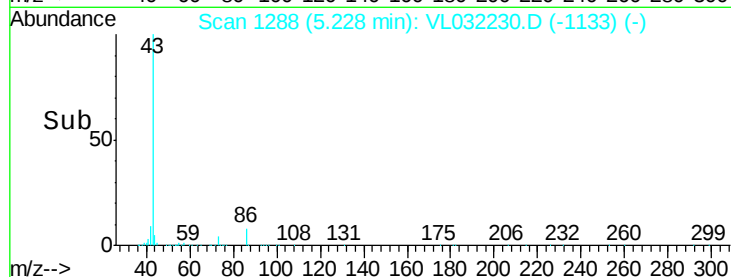
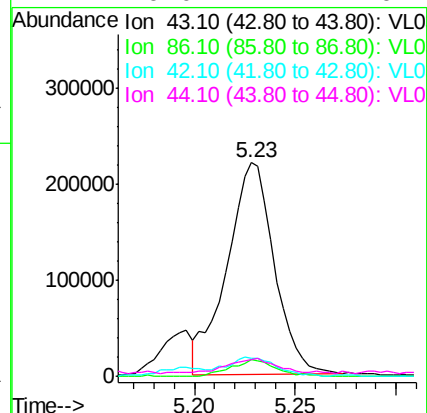
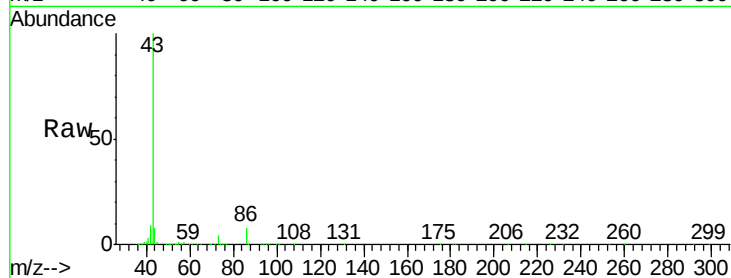
#23
 Vinyl Acetate
 Concen: 0.92 ppbv
 RT: 5.23 min Scan# 1288
 Delta R.T. -0.00 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	43	Resp	361800
Ion Ratio	Lower	Upper	
43	100		
86	7.8	5.9	8.9
42	8.1	7.0	10.6
44	6.0	4.2	6.2

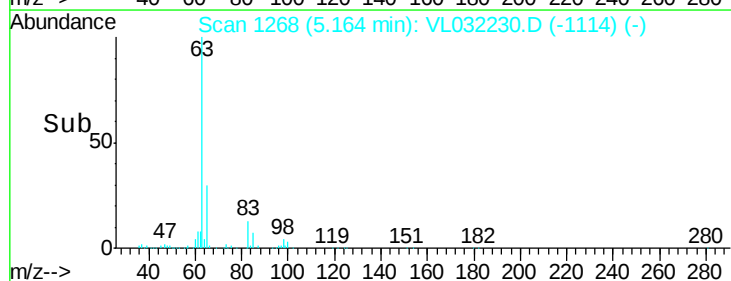
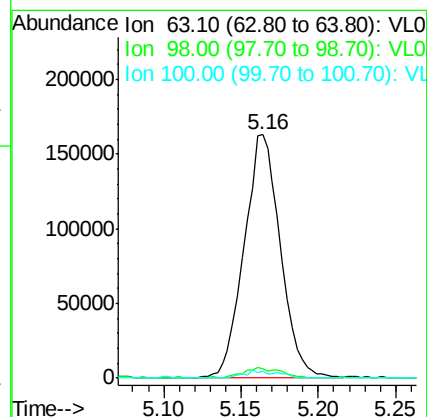
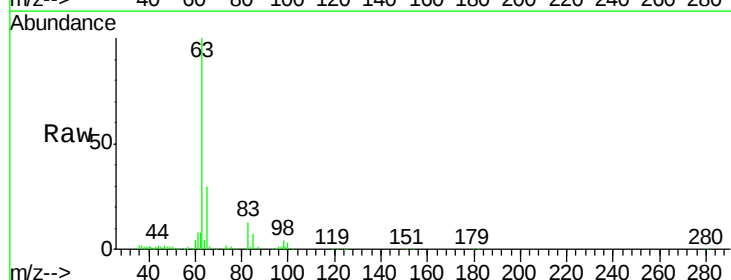
Manual Integrations
 APPROVED

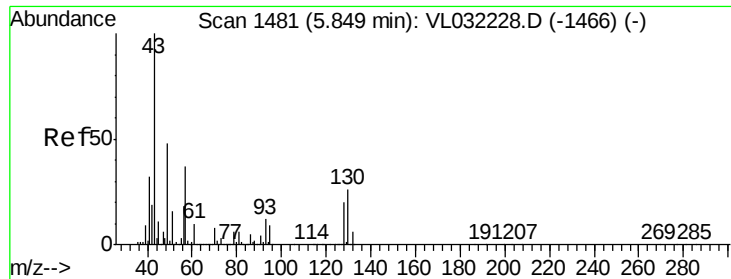
MMDadoda
 7/13/2018 5:22:11 PM



#24
 1,1-Dichloroethane
 Concen: 1.05 ppbv
 RT: 5.16 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Tgt Ion	63	Resp	266806
Ion Ratio	Lower	Upper	
63	100		
98	3.5	2.4	7.1
100	2.7	1.5	4.4





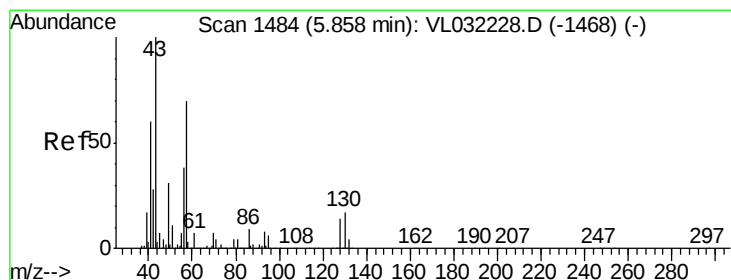
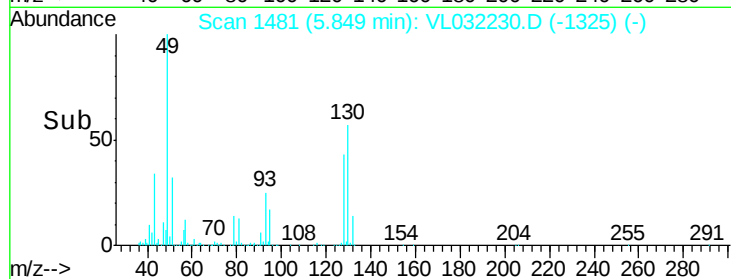
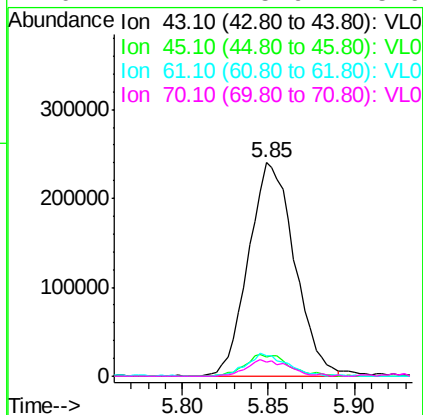
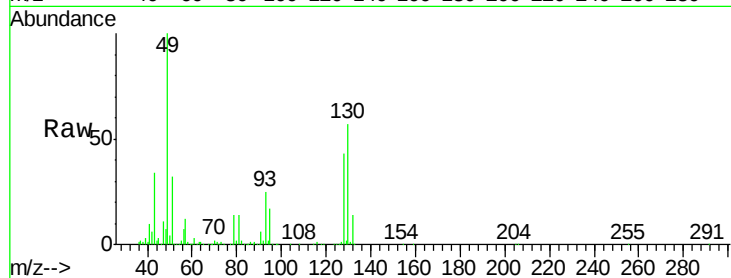
#25
Ethyl Acetate
Concen: 0.99 ppbv
RT: 5.85 min Scan# 1481
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	43	Resp	444289
Ion Ratio	Lower	Upper	
43	100		
45	10.1	8.0	12.0
61	9.6	7.7	11.5
70	7.2	5.9	8.9

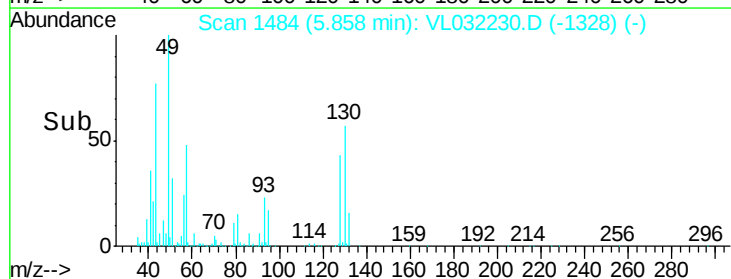
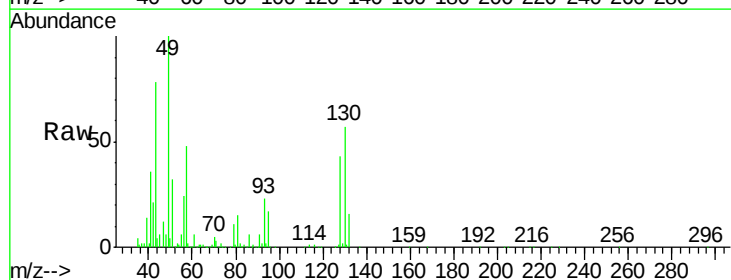
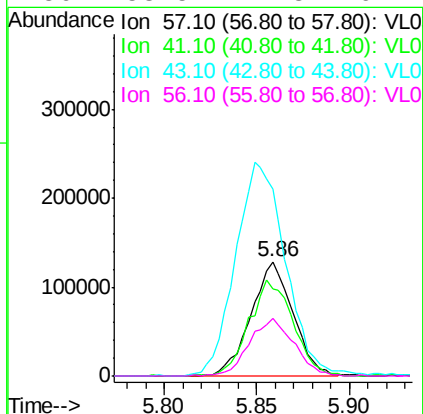
Manual Integrations
APPROVED

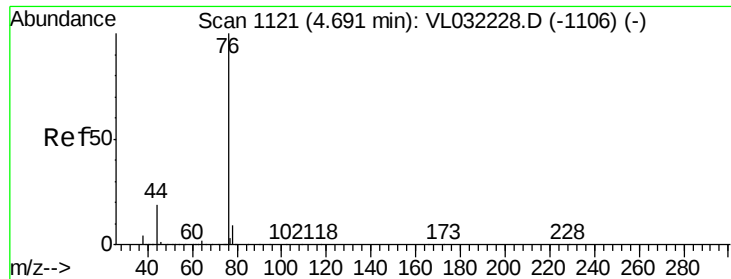
MMDadoda
7/13/2018 5:22:11 PM



#26
Hexane
Concen: 0.98 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion	57	Resp	202320
Ion Ratio	Lower	Upper	
57	100		
41	87.3	68.7	103.1
43	226.9	176.2	264.2
56	53.5	42.8	64.2





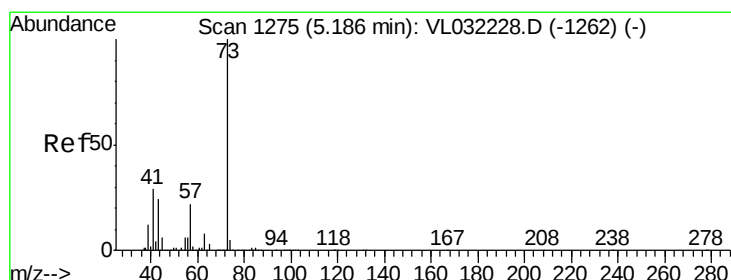
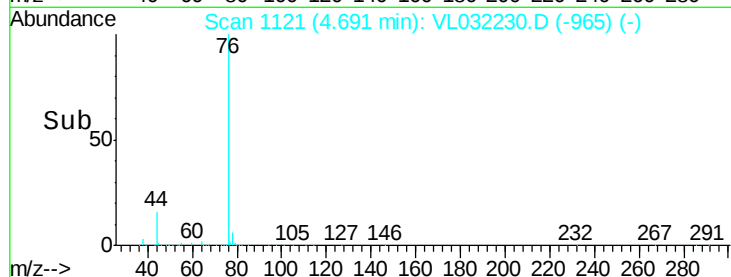
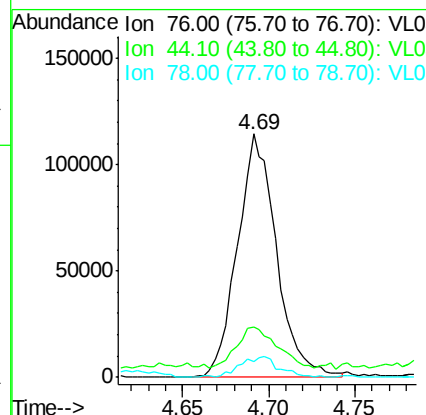
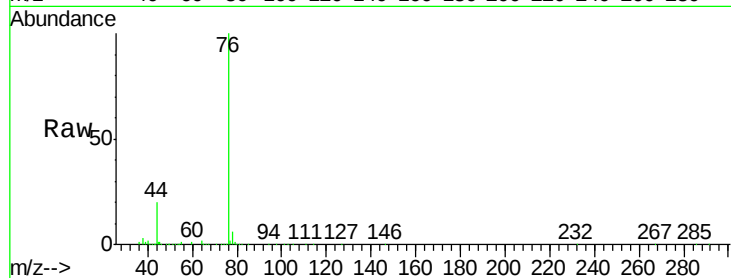
#27
Carbon Disulfide
Concen: 0.89 ppbv
RT: 4.69 min Scan# 1121
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
76	100		
44	18.2	15.1	22.7
78	9.1	7.4	11.0

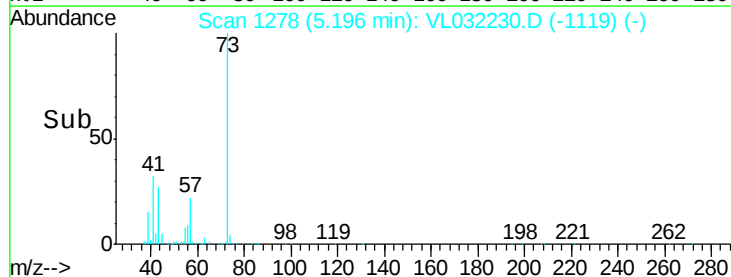
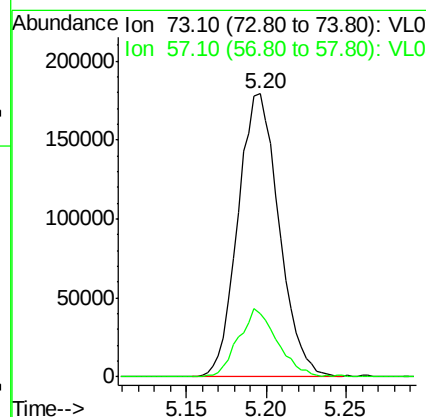
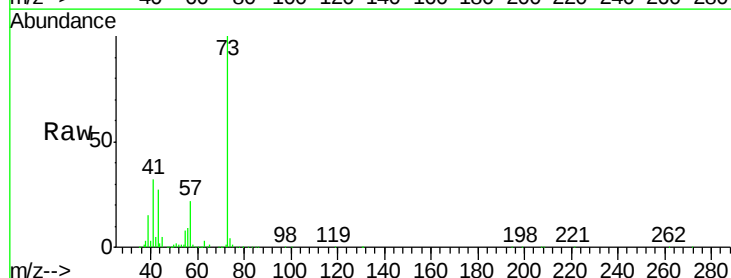
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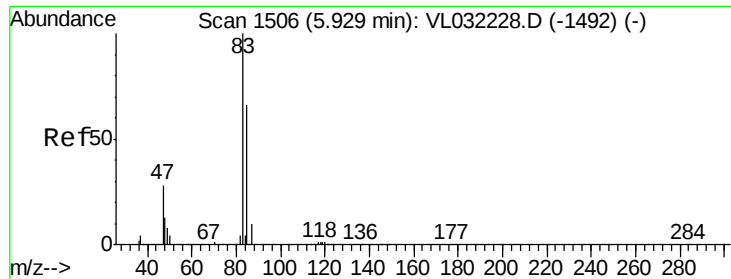
MMDadoda
7/13/2018 5:22:11 PM



#28
Methyl tert-Butyl Ether
Concen: 0.87 ppbv
RT: 5.20 min Scan# 1278
Delta R.T. 0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.9	18.6	27.8





#29

Chloroform

Concen: 1.04 ppbv

RT: 5.92 min Scan# 1504

Delta R.T. -0.01 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 83 Resp: 314059

Ion Ratio Lower Upper

83 100

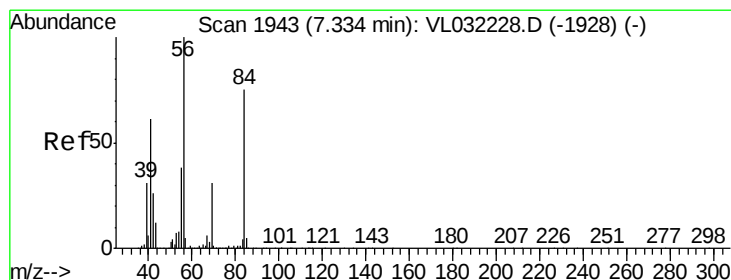
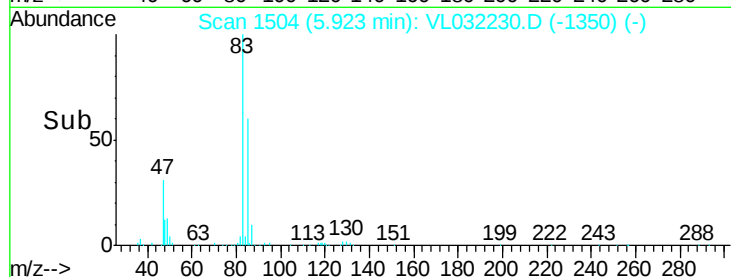
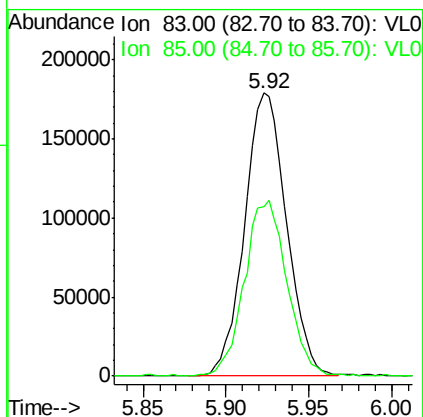
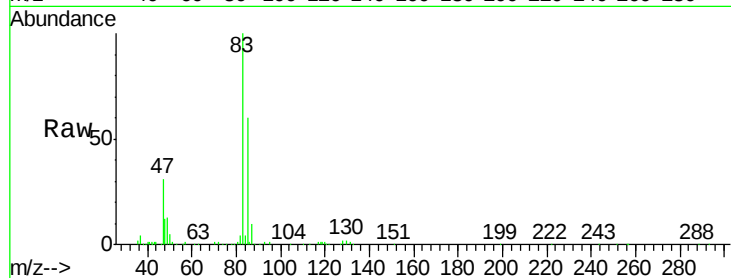
85 59.7 52.7 79.1

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#30

Cyclohexane

Concen: 0.87 ppbv

RT: 7.33 min Scan# 1942

Delta R.T. -0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

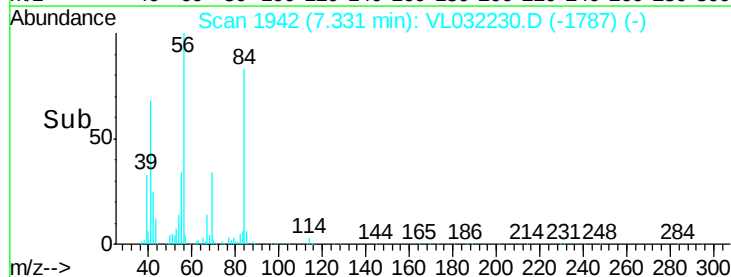
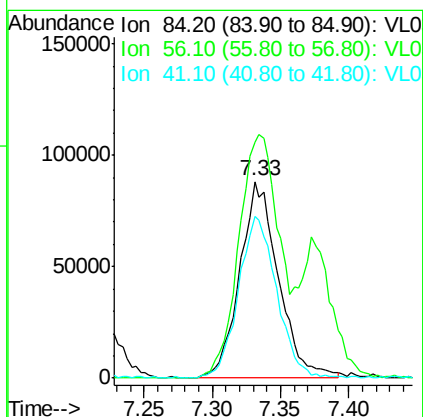
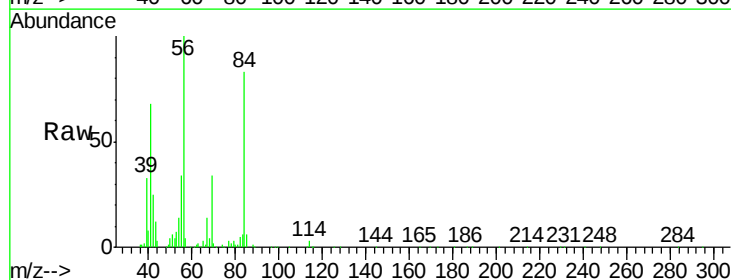
Tgt Ion: 84 Resp: 172696

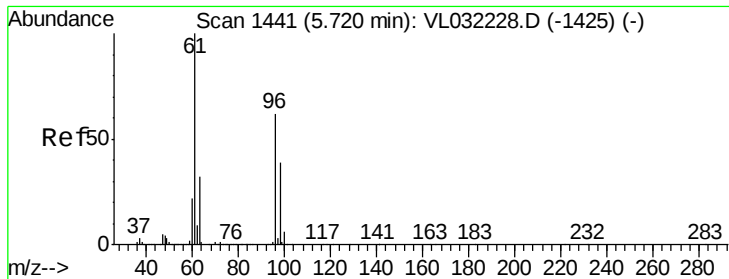
Ion Ratio Lower Upper

84 100

56 189.8 112.6 168.8#

41 82.2 67.0 100.6





#31

cis-1,2-Dichloroethene

Concen: 0.93 ppbv

RT: 5.71 min Scan# 1439

Delta R.T. -0.01 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

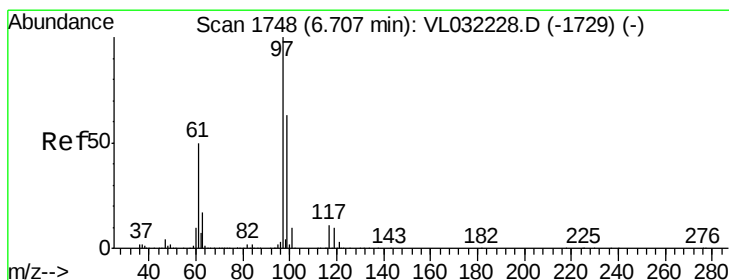
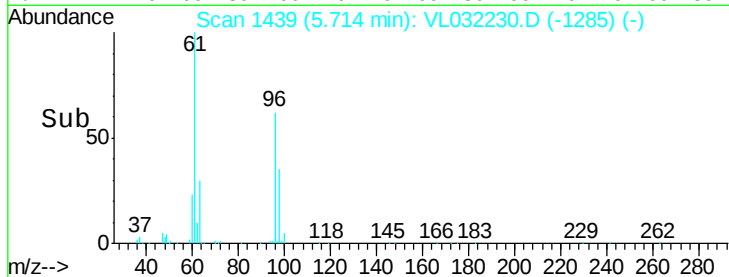
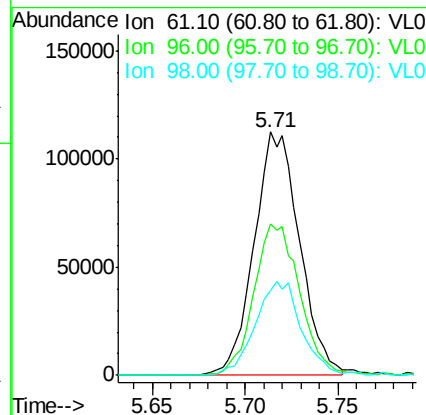
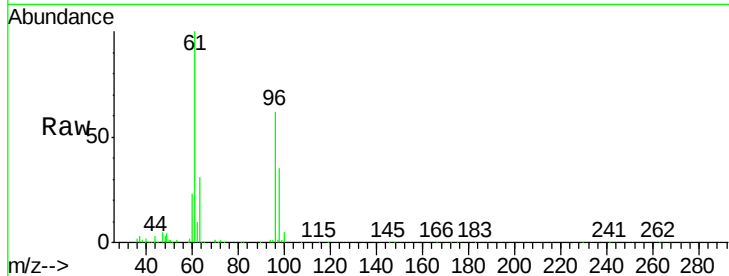
ClientSampleId :

VSTDIC001

Tot Ion	Ratio	Lower	Upper
61	100		
96	62.0	49.8	74.8
98	35.1	31.4	47.2

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#32

1,1,1-Trichloroethane

Concen: 0.91 ppbv m

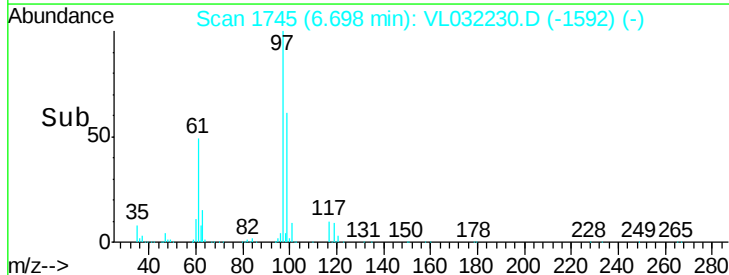
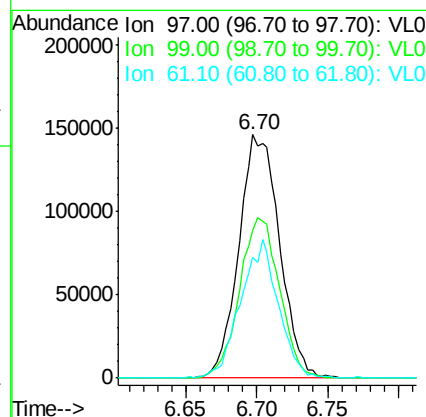
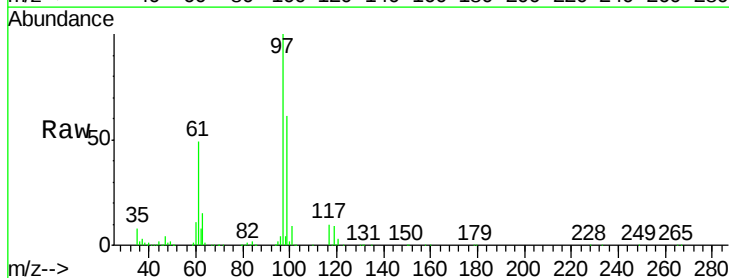
RT: 6.70 min Scan# 1745

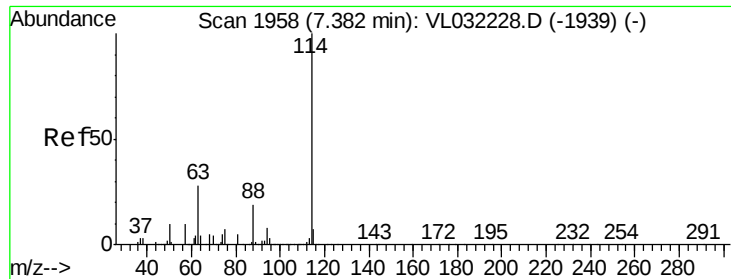
Delta R.T. -0.01 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.7	51.2	76.8
61	52.6	41.3	61.9





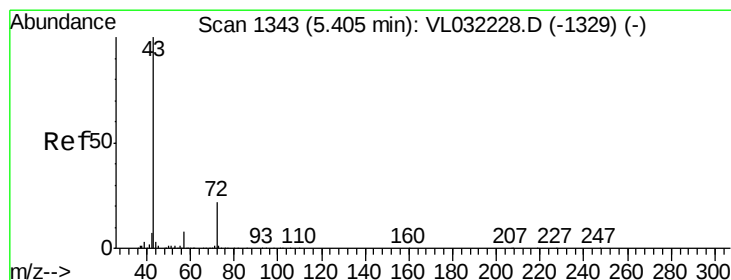
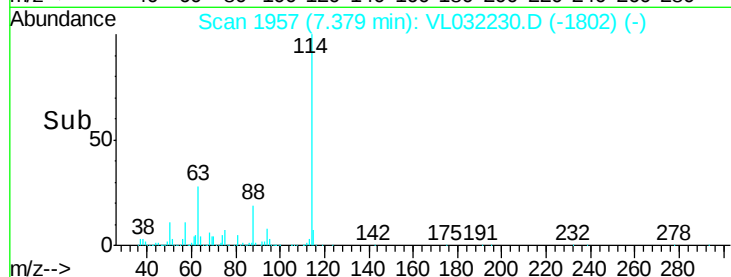
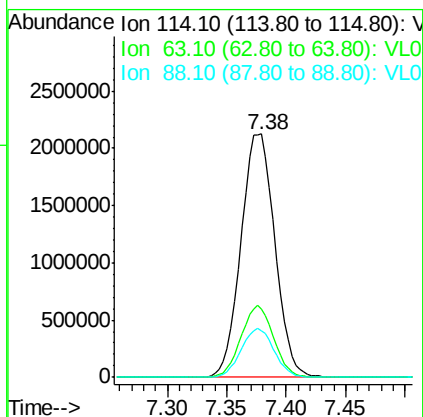
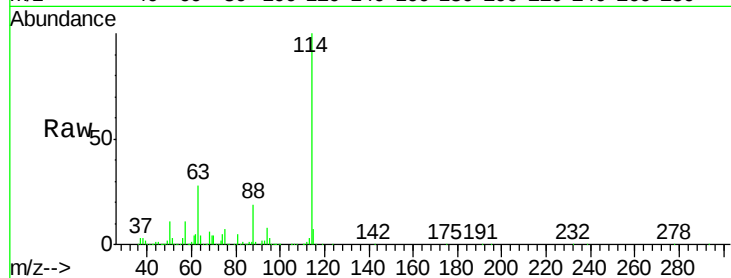
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.38 min Scan# 1957
 Delta R.T. -0.00 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.5	33.7
88	19.4	15.4	23.0

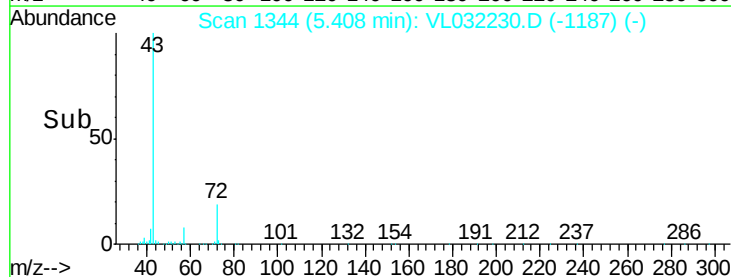
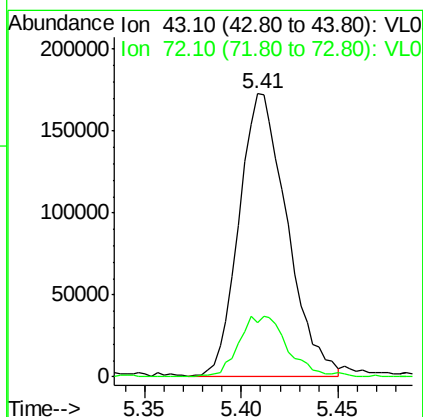
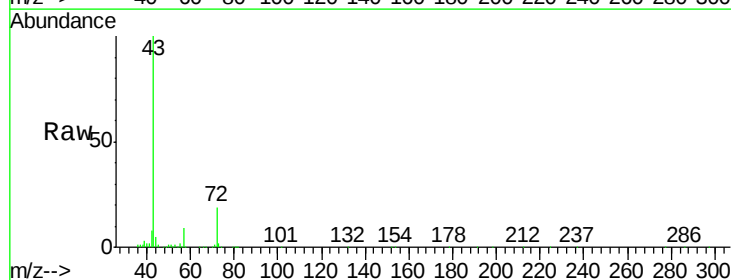
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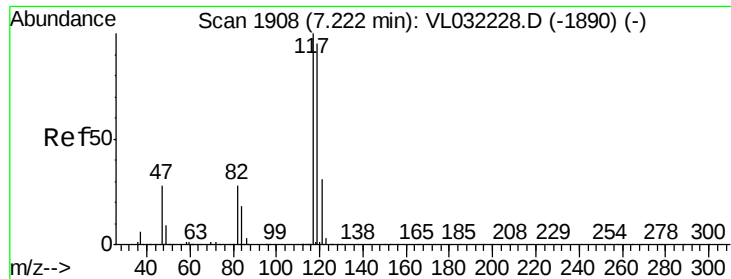
MMDadoda
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#34
 2-Butanone
 Concen: 1.11 ppbv
 RT: 5.41 min Scan# 1344
 Delta R.T. 0.00 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.4	18.1	27.1





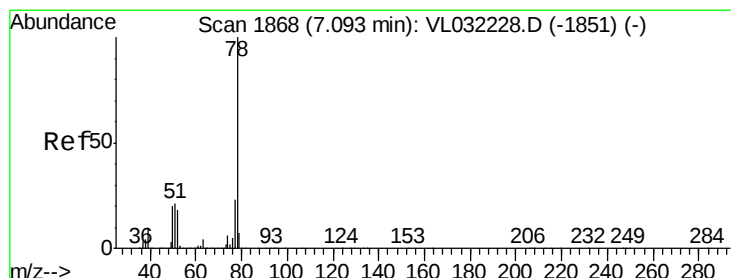
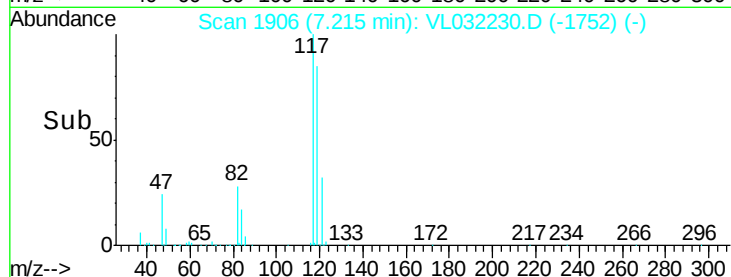
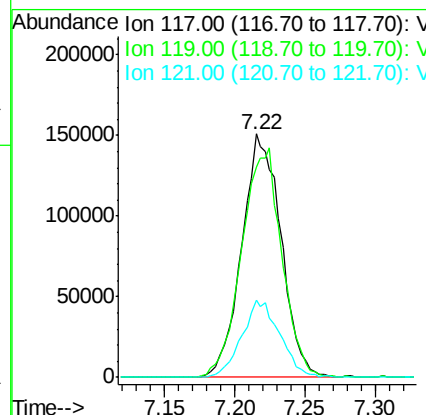
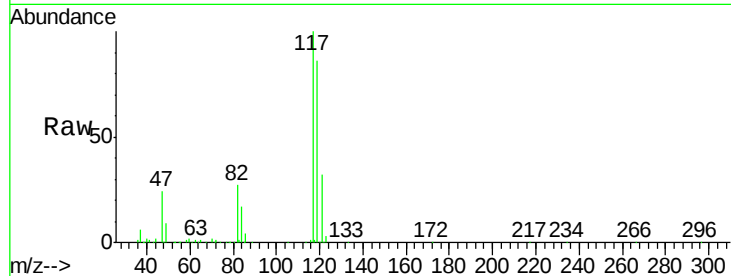
#35
Carbon Tetrachloride
Concen: 1.01 ppbv
RT: 7.22 min Scan# 1906
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
117	100		
119	86.0	75.7	113.5
121	31.9	24.6	37.0

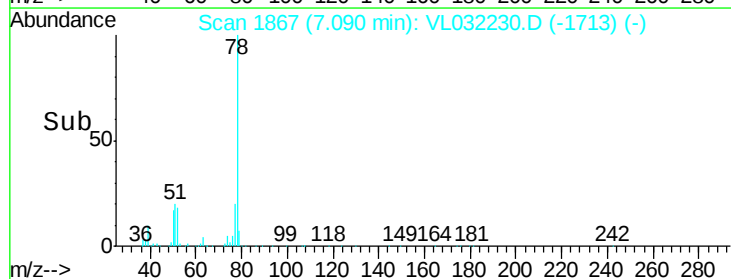
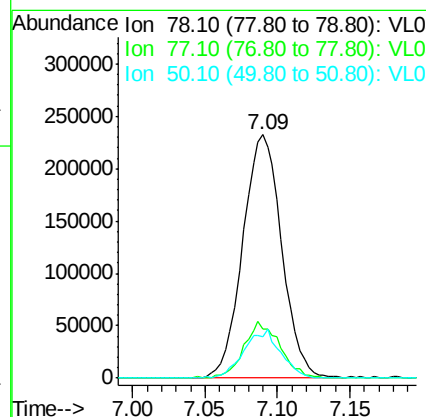
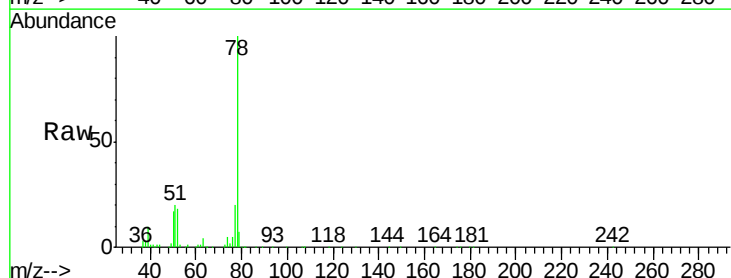
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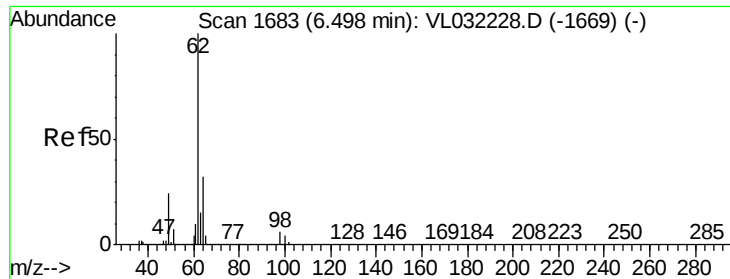
MMDadoda
7/13/2018 5:22:11 PM



#36
Benzene
Concen: 1.05 ppbv
RT: 7.09 min Scan# 1867
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
78	100		
77	20.2	18.0	27.0
50	16.9	15.8	23.8





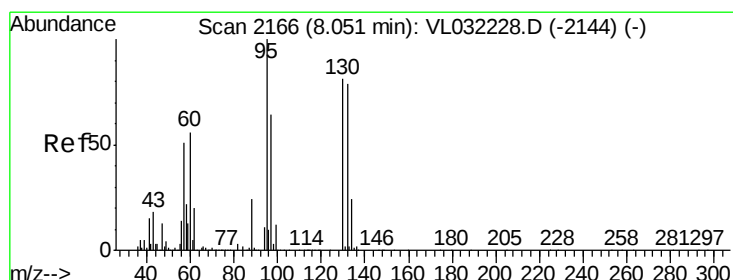
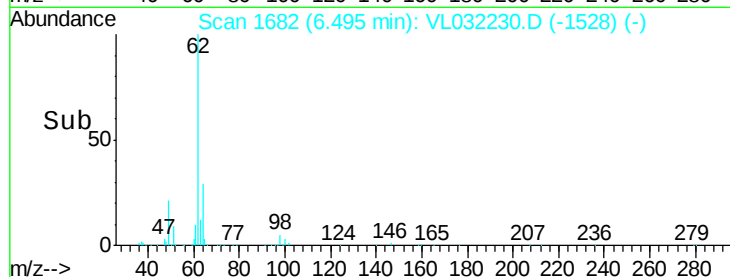
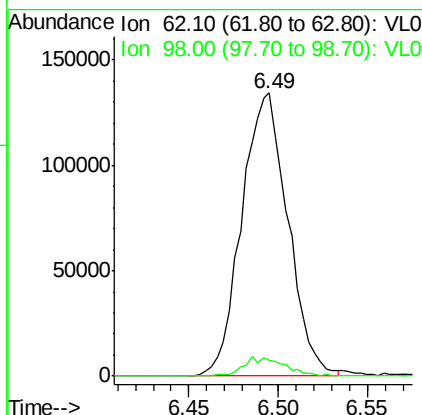
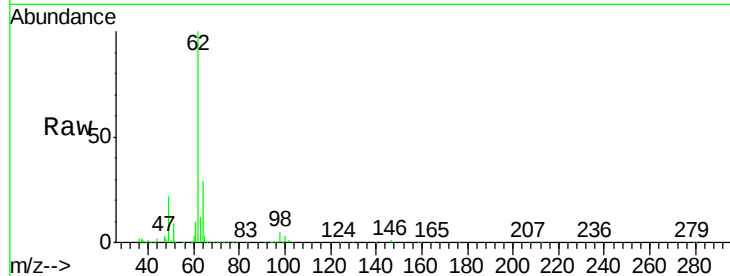
#37
 1,2-Dichloroethane
 Concen: 1.17 ppbv
 RT: 6.49 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
62	100	241668		
98	6.1	4.6	7.0	

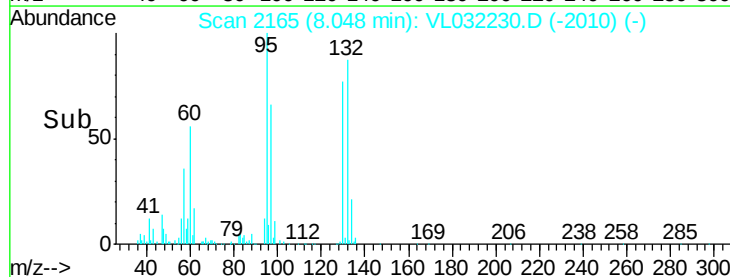
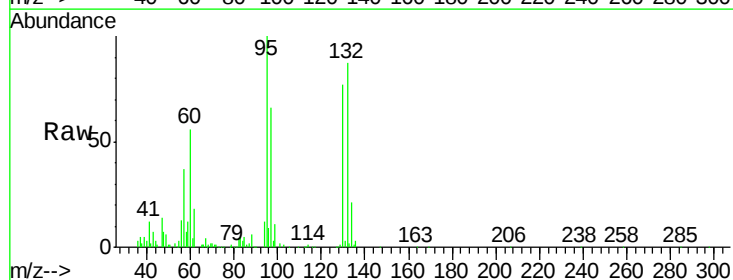
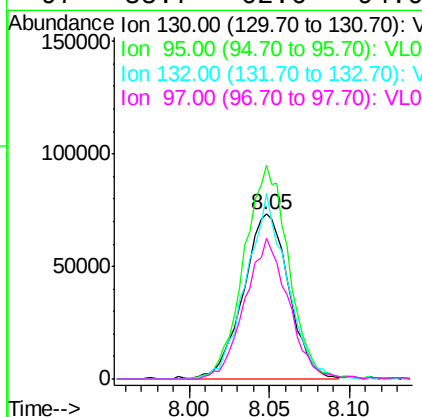
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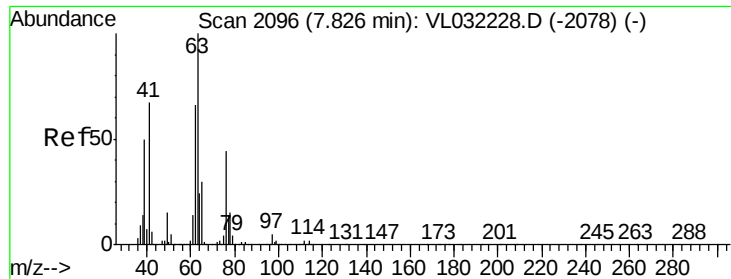
MMDadoda
 7/13/2018 5:22:11 PM



#38
 Trichloroethene
 Concen: 0.91 ppbv
 RT: 8.05 min Scan# 2165
 Delta R.T. -0.00 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
130	100	141875		
95	129.4	98.3	147.5	
132	112.7	78.1	117.1	
97	85.7	62.6	94.0	





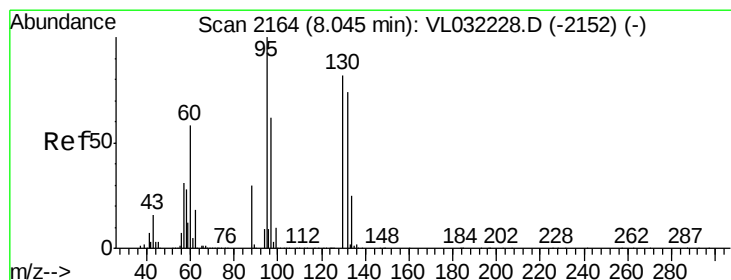
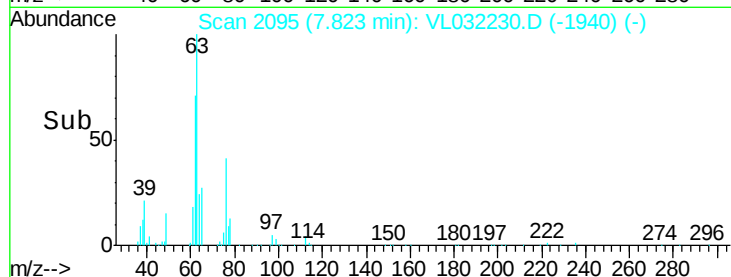
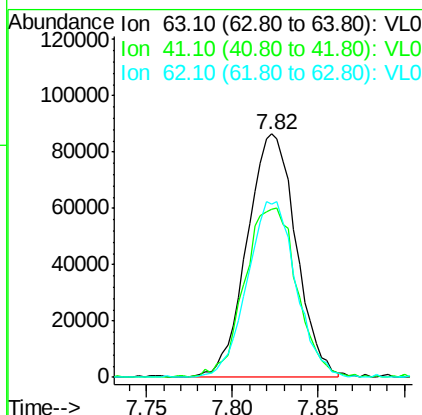
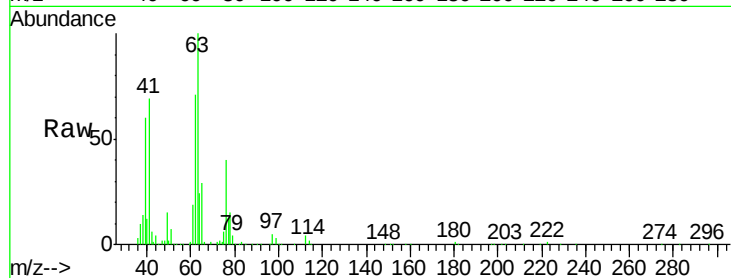
#39
 1,2-Dichloropropane
 Concen: 1.06 ppbv
 RT: 7.82 min Scan# 2095
 Delta R.T. -0.00 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
63	100		
41	68.6	53.8	80.6
62	70.6	53.1	79.7

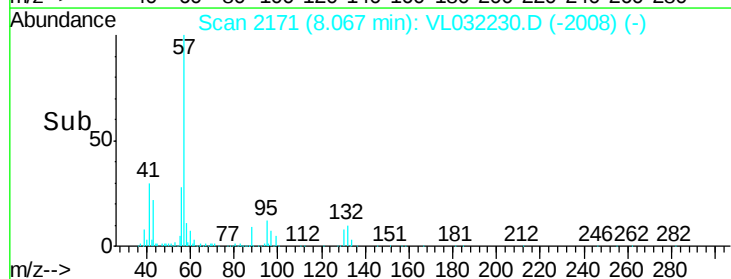
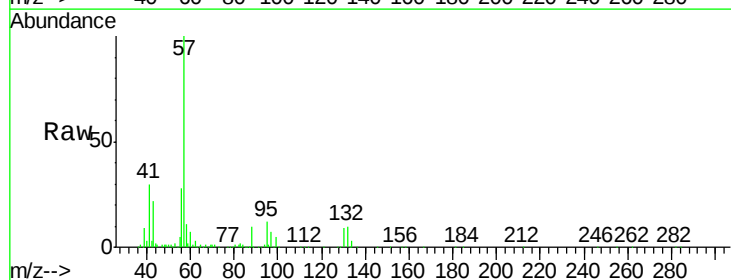
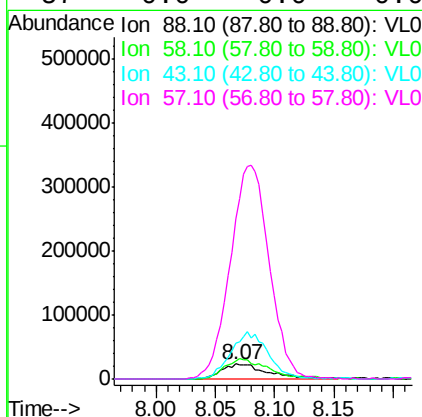
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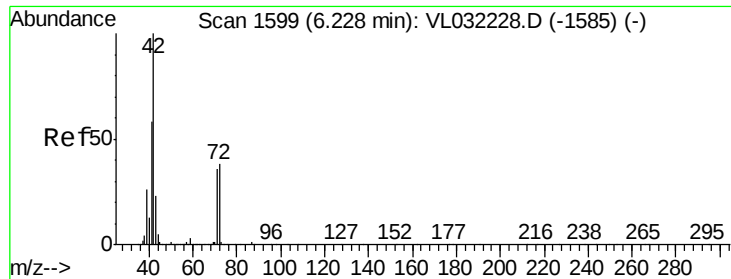
MMDadoda
 7/13/2018 5:22:11 PM



#40
 1,4-Dioxane
 Concen: 1.07 ppbv m
 RT: 8.07 min Scan# 2171
 Delta R.T. 0.02 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	117.4	176.2#
43	0.0	0.0	0.0
57	0.0	0.0	0.0





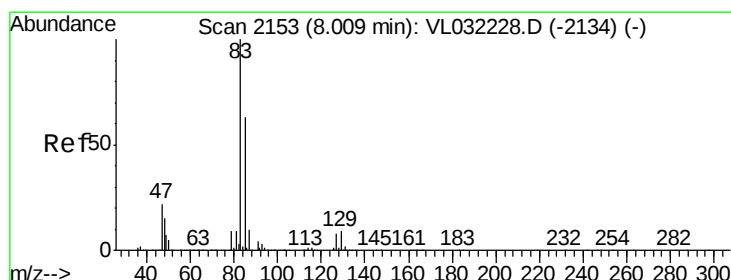
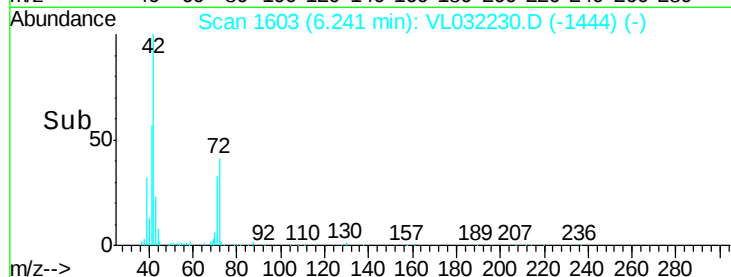
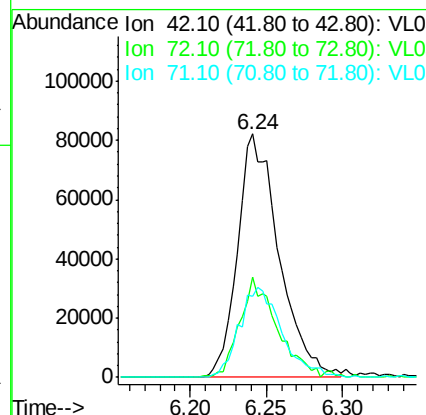
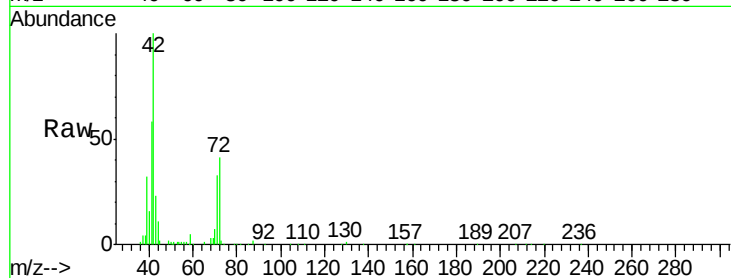
#41
Tetrahydrofuran
Concen: 0.97 ppbv m
RT: 6.24 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
42	100		
72	37.9	30.6	45.8
71	38.3	29.7	44.5

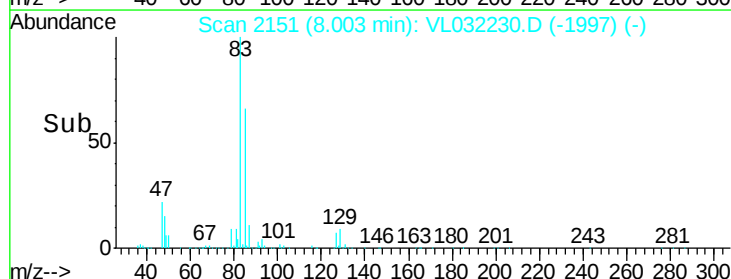
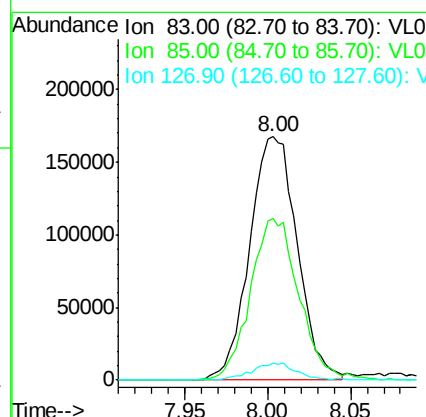
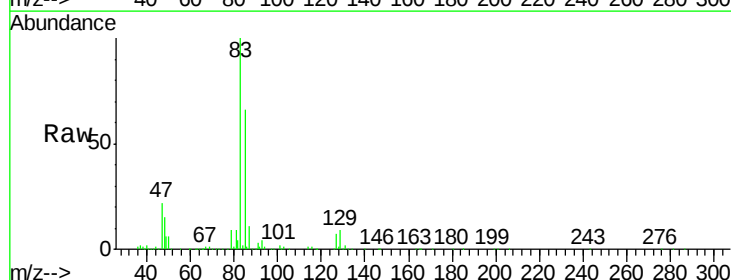
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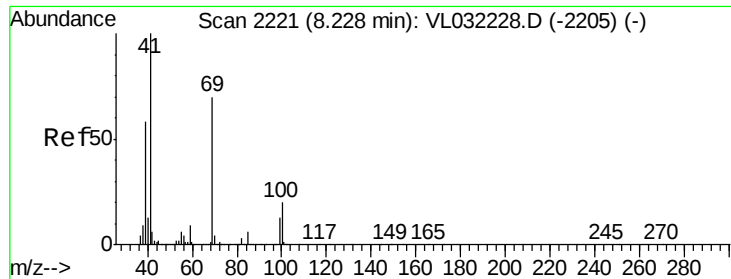
MMDadoda
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#42
Bromodichloromethane
Concen: 1.06 ppbv
RT: 8.00 min Scan# 2151
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.2	50.6	76.0
127	7.1	6.1	9.1





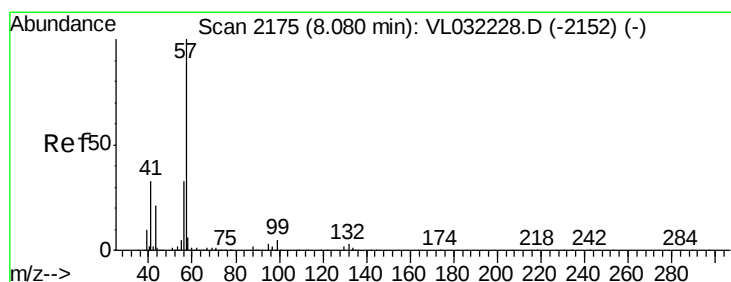
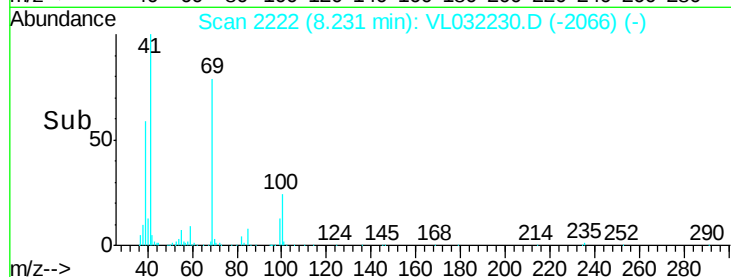
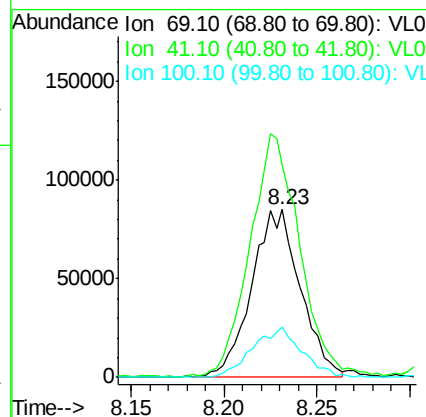
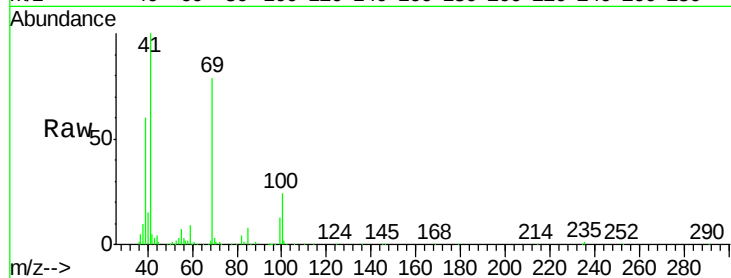
#43
Methvl Methacrylate
Concen: 0.92 ppbv
RT: 8.23 min Scan# 2222
Delta R.T. 0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	149.7	116.3	174.5	
100	30.8	23.8	35.8	

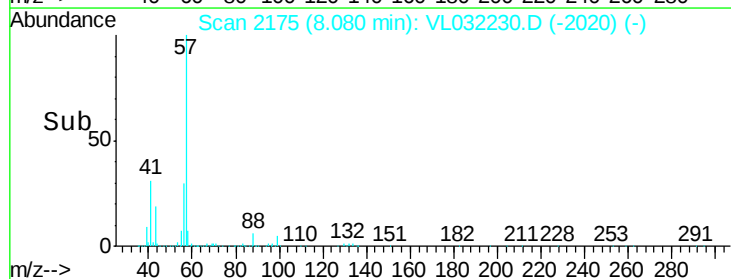
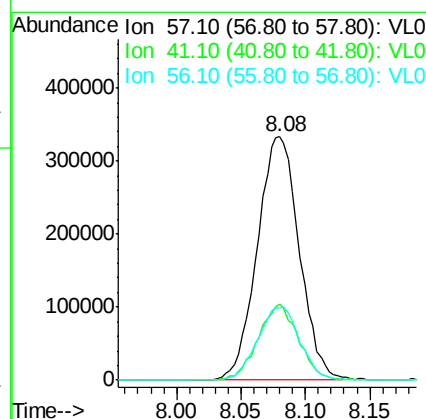
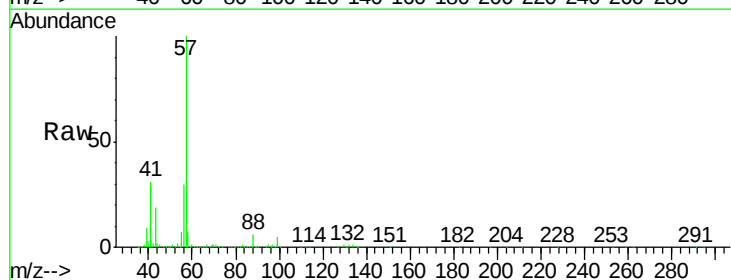
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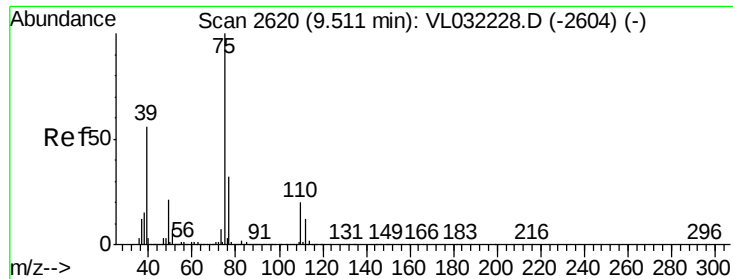
MMDadoda
7/13/2018 5:22:11 PM



#44
2,2,4-Trimethylpentane
Concen: 1.07 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	30.0	24.7	37.1	
56	30.3	25.4	38.0	





#45

t-1,3-Dichloropropene

Concen: 0.85 ppbv m

RT: 9.51 min Scan# 2620

Delta R.T. -0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 75 Resp: 177208

Ion Ratio Lower Upper

75 100

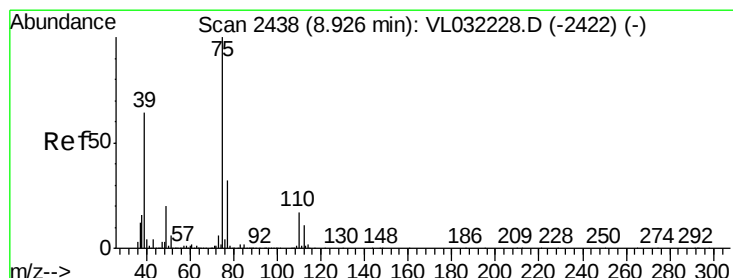
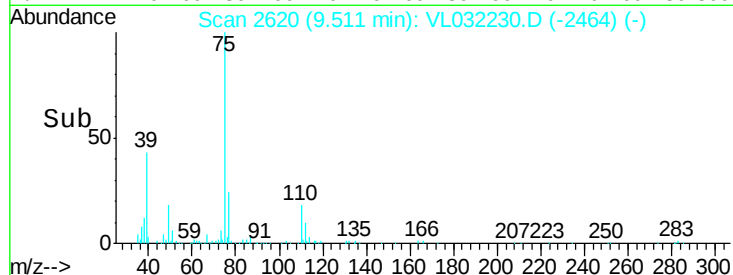
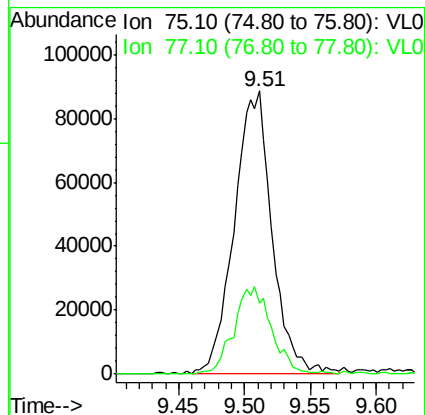
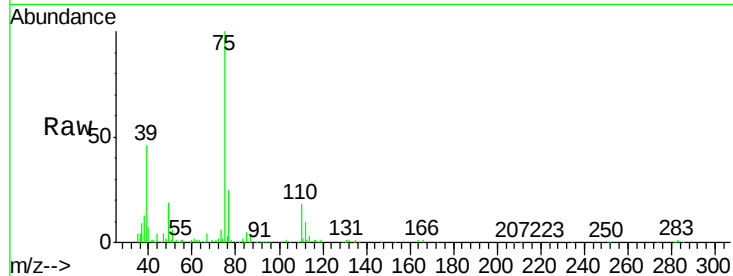
77 24.9 25.5 38.3#

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#46

cis-1,3-Dichloropropene

Concen: 1.02 ppbv

RT: 8.93 min Scan# 2438

Delta R.T. -0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

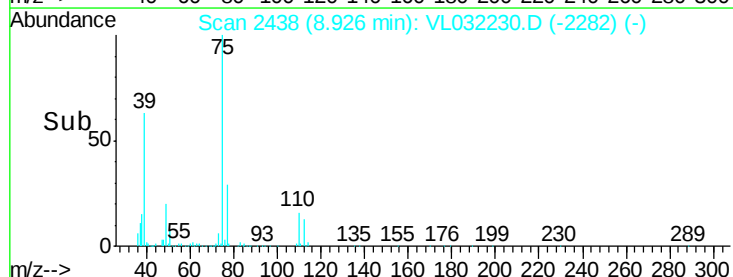
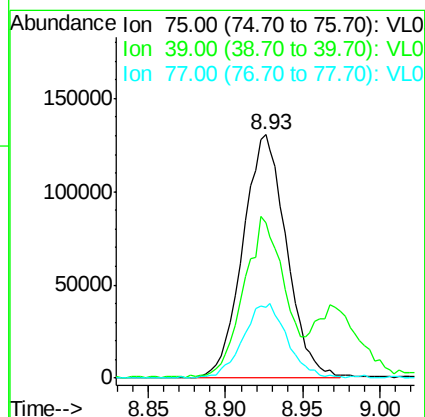
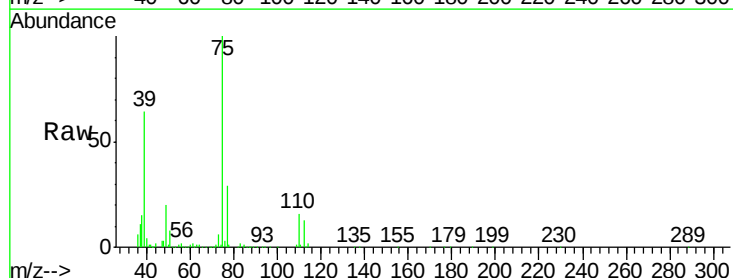
Tgt Ion: 75 Resp: 256340

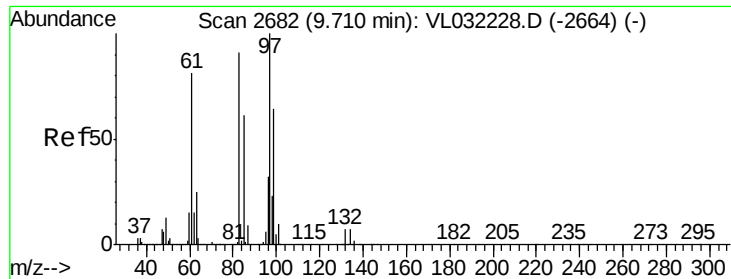
Ion Ratio Lower Upper

75 100

39 62.5 50.9 76.3

77 29.3 25.3 37.9





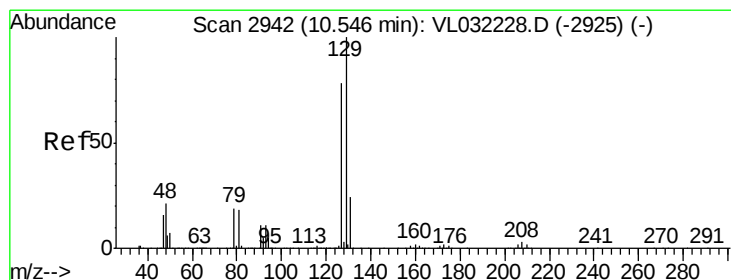
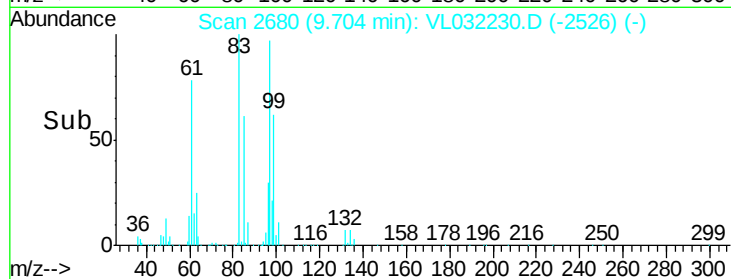
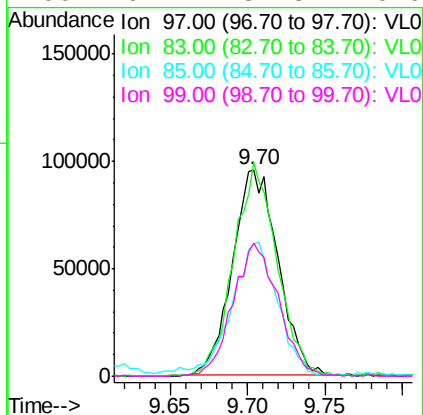
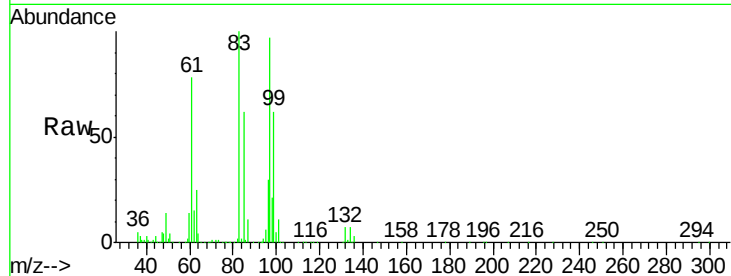
#47
 1,1,2-Trichloroethane
 Concen: 1.17 ppbv
 RT: 9.70 min Scan# 2680
 Delta R.T. -0.01 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		196122		
83	103.2	72.9	109.3		
85	62.9	49.3	73.9		
99	64.4	51.3	76.9		

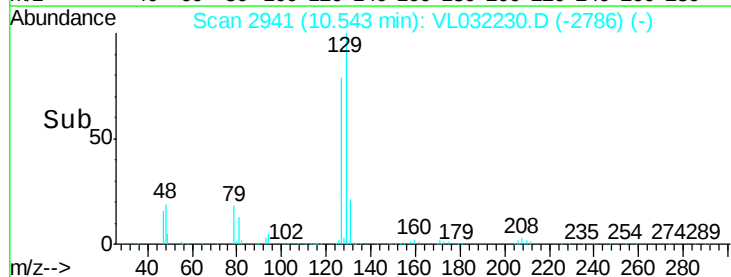
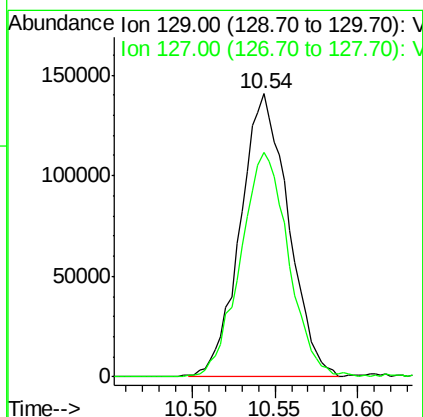
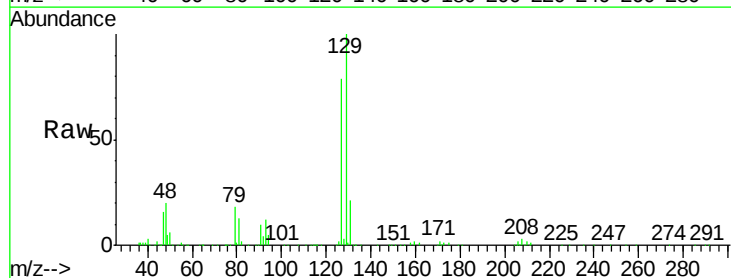
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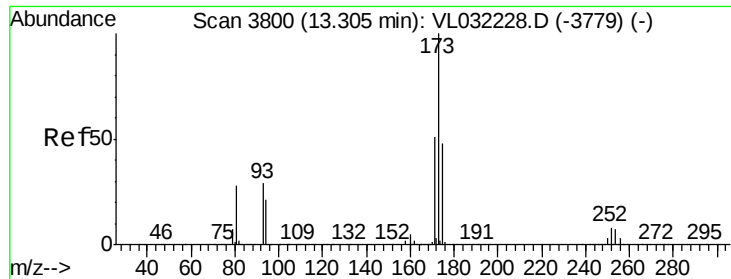
MMDadoda
 7/13/2018 5:22:11 PM



#48
 Dibromochloromethane
 Concen: 1.11 ppbv
 RT: 10.54 min Scan# 2941
 Delta R.T. -0.00 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		284295		
127	79.8	39.3	117.9		





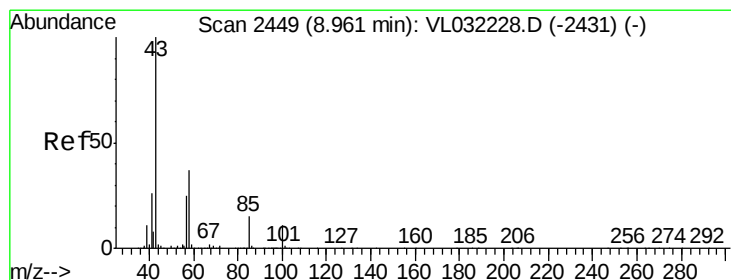
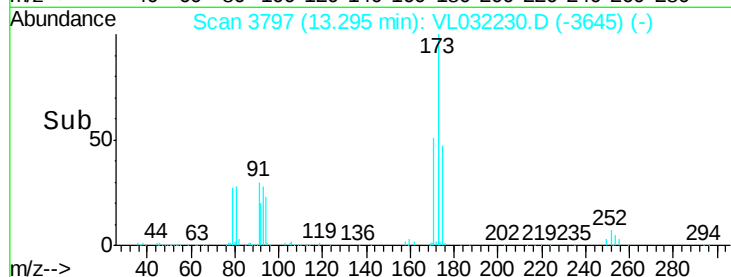
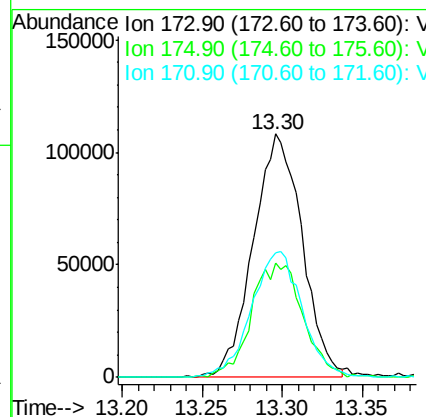
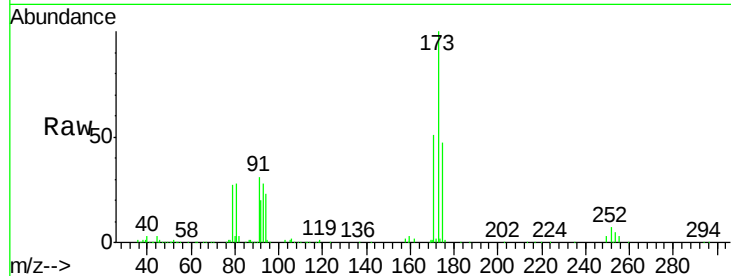
#49
Bromoform
Concen: 1.06 ppbv
RT: 13.30 min Scan# 3797
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
173	100		
175	50.3	39.4	59.2
171	53.7	41.8	62.6

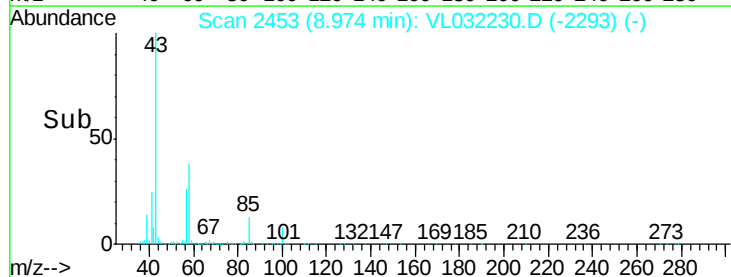
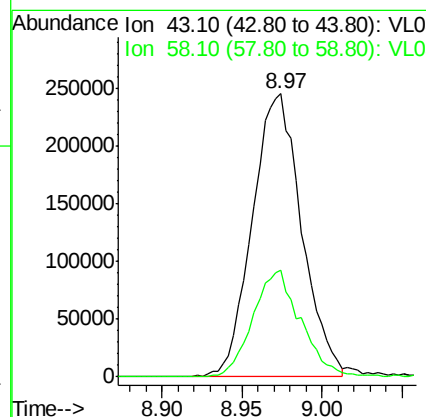
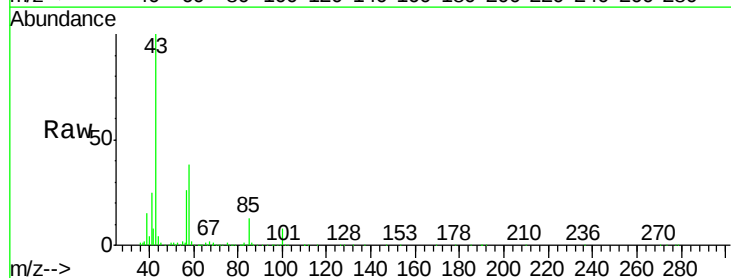
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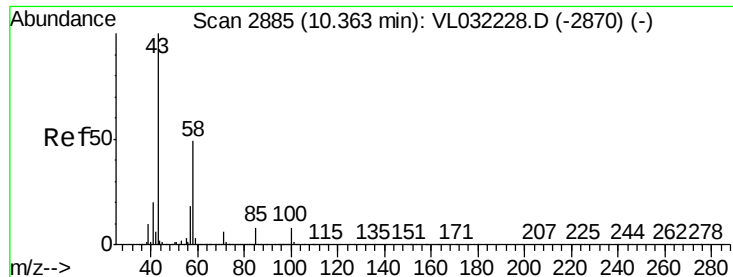
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 1.17 ppbv
RT: 8.97 min Scan# 2453
Delta R.T. 0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
43	100		
58	36.7	29.5	44.3





#51

2-Hexanone

Concen: 1.12 ppbv

RT: 10.38 min Scan# 2889

Delta R.T. 0.01 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

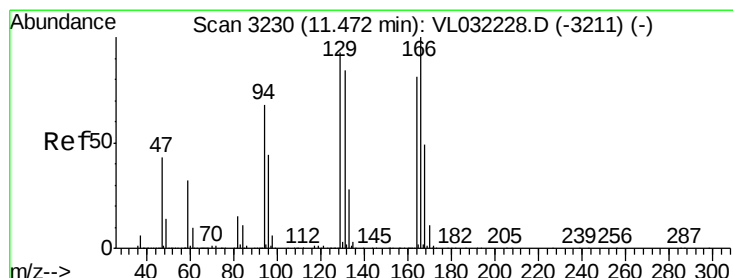
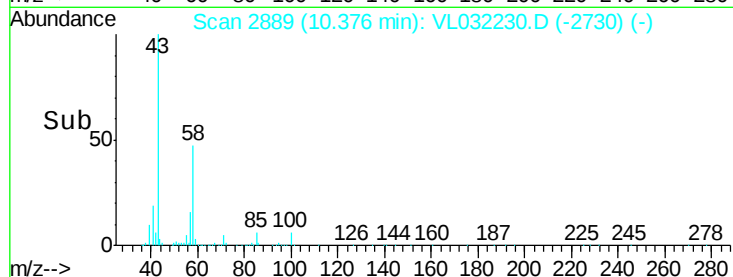
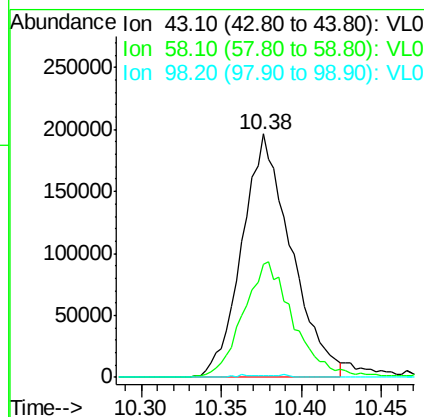
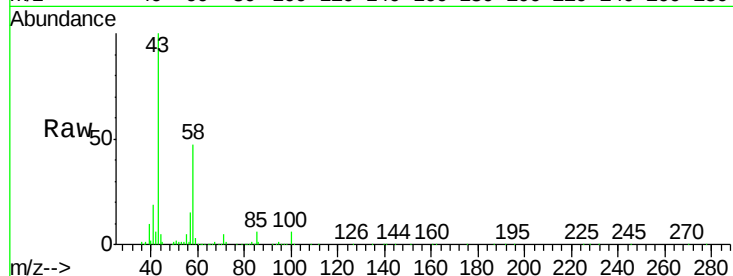
ClientSampleId :

VSTDIC001

Tot Ion:	43	Resp:	411942
Ion Ratio	Lower	Upper	
43	100		
58	49.8	39.9	59.9
98	1.0	0.2	0.4#

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#52

Tetrachloroethene

Concen: 1.09 ppbv

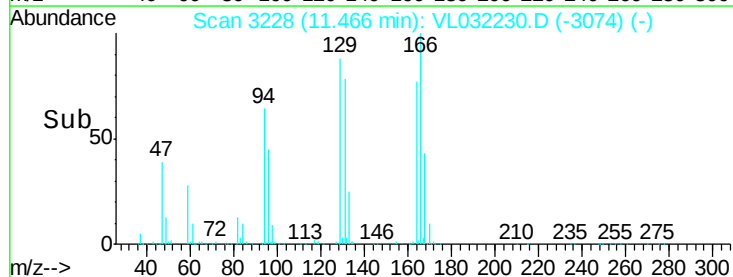
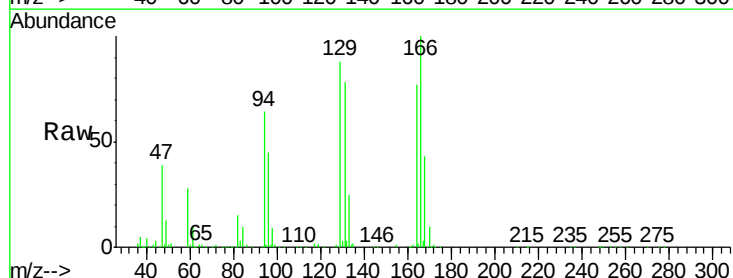
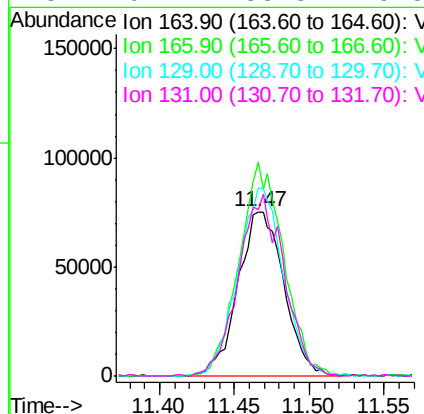
RT: 11.47 min Scan# 3228

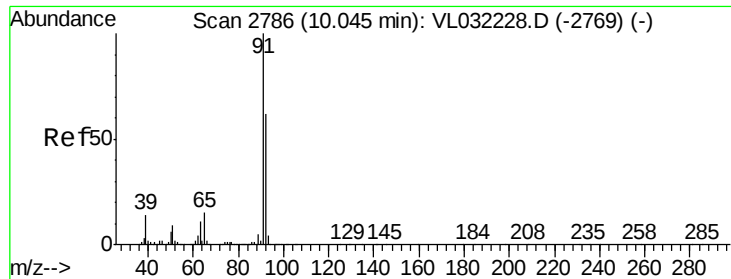
Delta R.T. -0.01 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Tgt Ion:	164	Resp:	160025
Ion Ratio	Lower	Upper	
164	100		
166	129.0	99.3	148.9
129	114.8	92.0	138.0
131	101.2	83.8	125.8





#53

Toluene

Concen: 1.04 ppbv

RT: 10.04 min Scan# 2784

Delta R.T. -0.01 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 505166

Ion Ratio Lower Upper

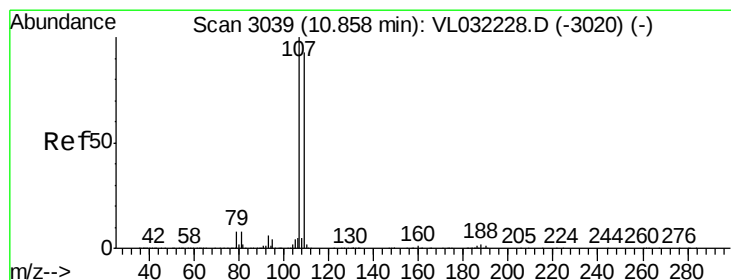
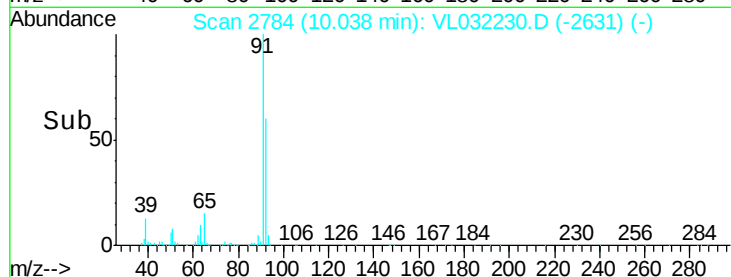
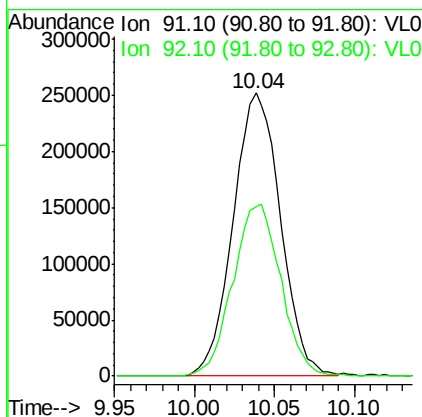
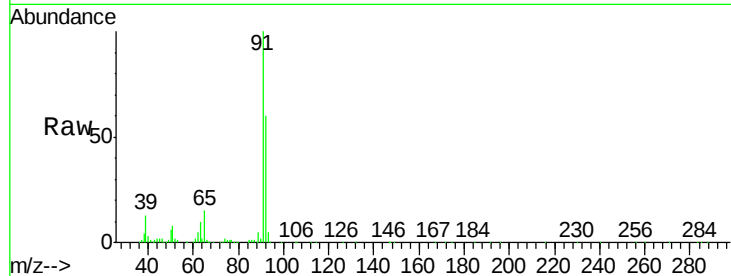
91 100

92 62.1 49.0 73.4

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#54

1,2-Dibromoethane

Concen: 1.17 ppbv

RT: 10.85 min Scan# 3037

Delta R.T. -0.01 min

Lab File: VL032230.D

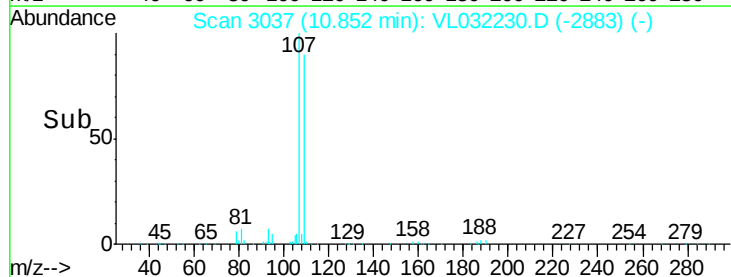
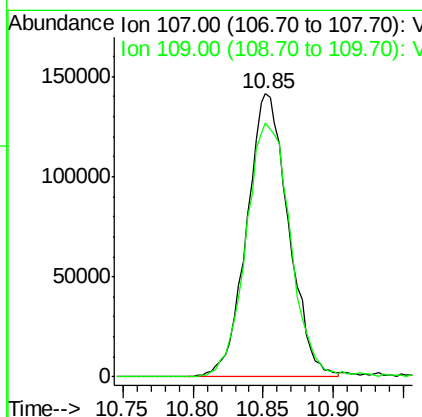
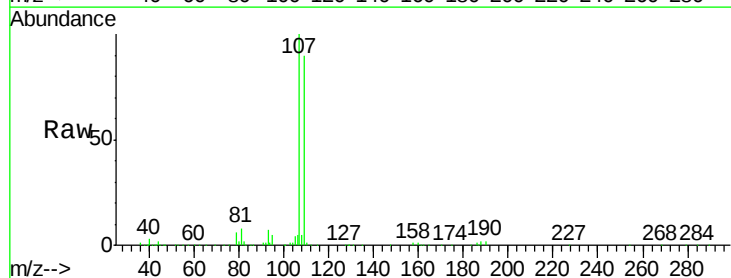
Acq: 12 Jul 2018 19:25

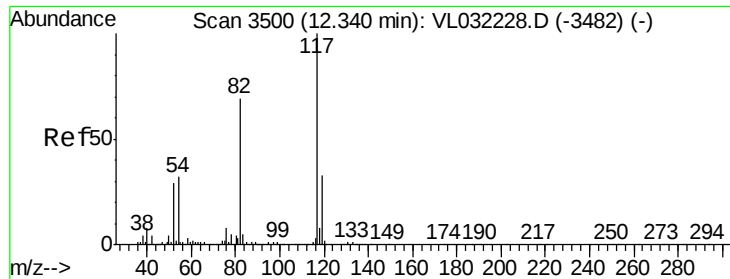
Tgt Ion: 107 Resp: 292810

Ion Ratio Lower Upper

107 100

109 89.8 74.3 111.5





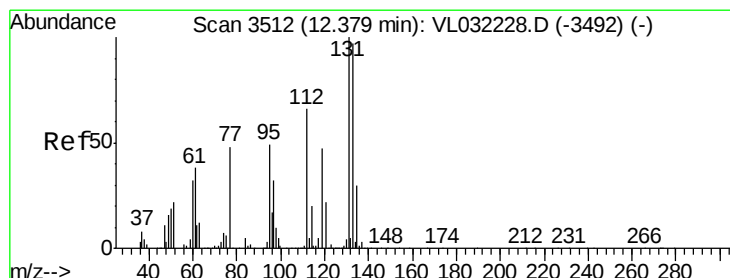
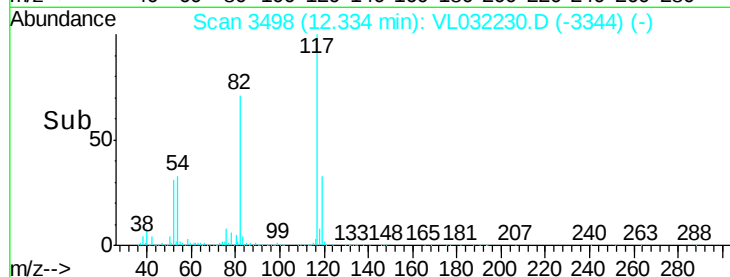
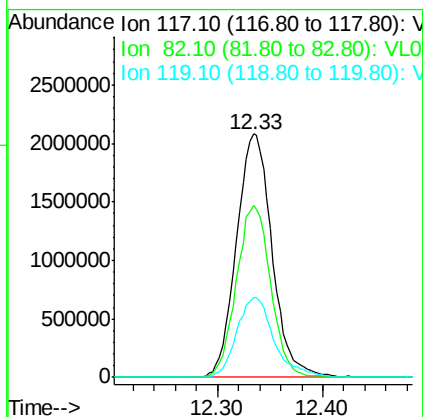
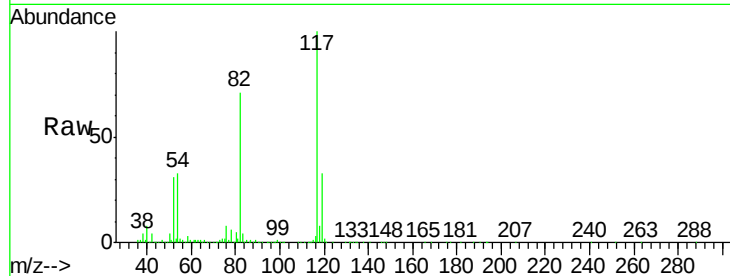
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.33 min Scan# 3498
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 4876509
Ion Ratio Lower Upper
117 100
82 68.1 53.2 79.8
119 34.6 43.9 65.9#

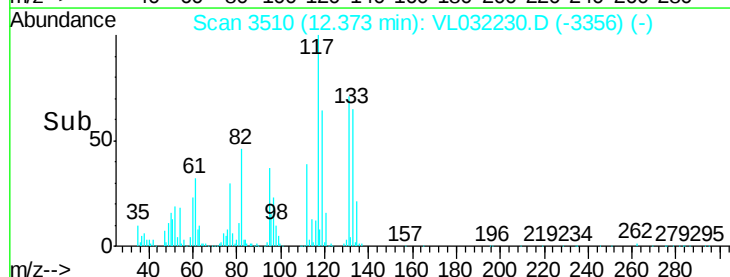
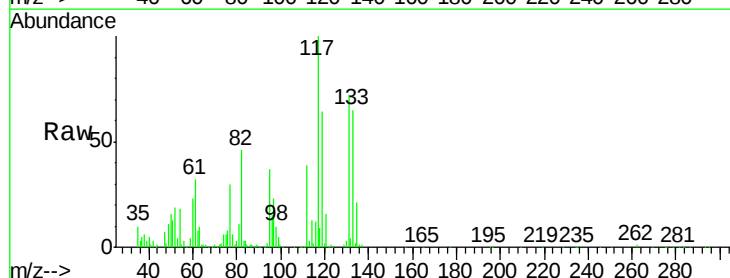
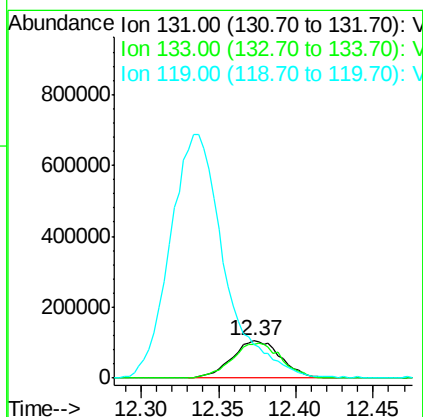
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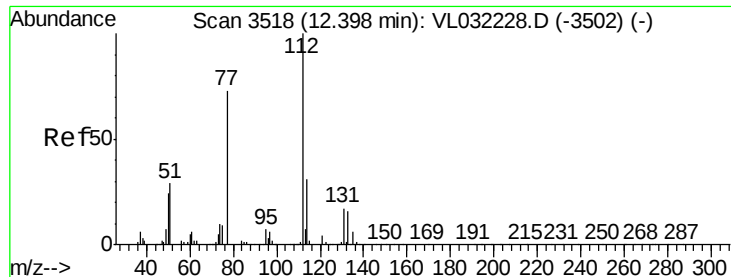
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#56
1,1,1,2-Tetrachloroethane
Concen: 1.06 ppbv
RT: 12.37 min Scan# 3510
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion:131 Resp: 230379
Ion Ratio Lower Upper
131 100
133 95.6 75.2 112.8
119 732.7 113.9 170.9#





#57

Chlorobenzene

Concen: 1.09 ppbv

RT: 12.40 min Scan# 3517

Delta R.T. -0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

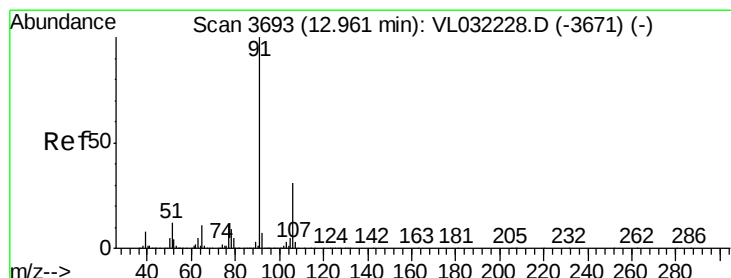
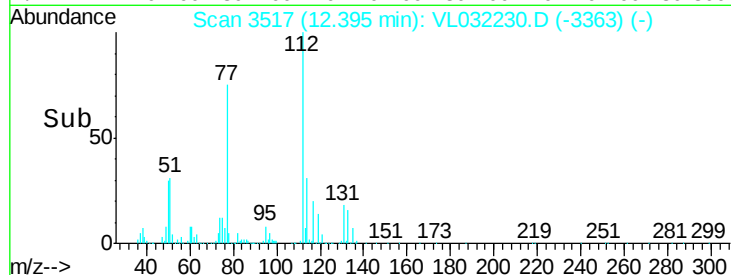
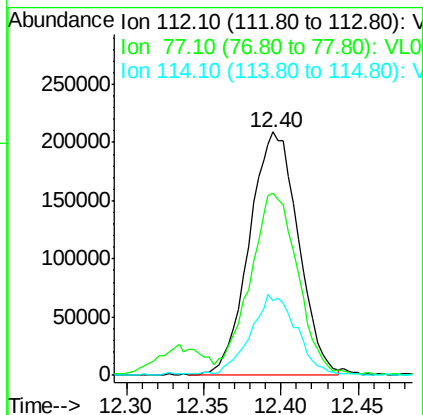
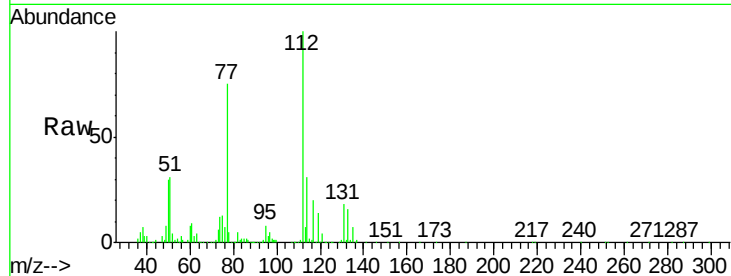
ClientSampleId :

VSTDIC001

Tot Ion:	112	Resp:	457728
Ion Ratio	Lower	Upper	
112	100		
77	72.7	58.8	88.2
114	30.4	27.9	34.1

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#58

Ethyl Benzene

Concen: 0.97 ppbv

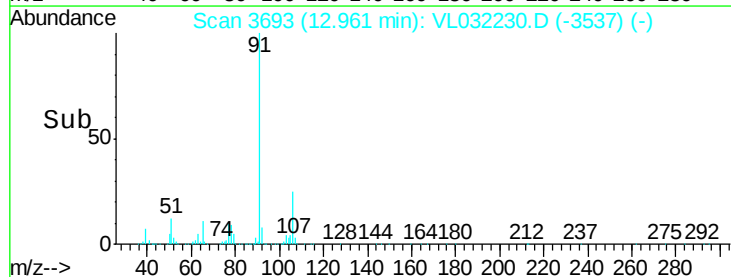
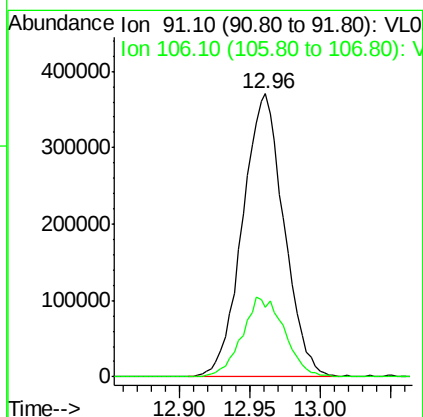
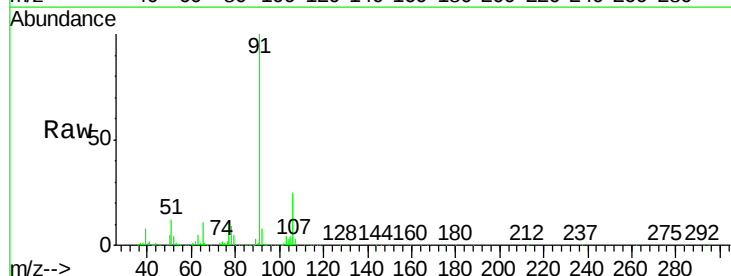
RT: 12.96 min Scan# 3693

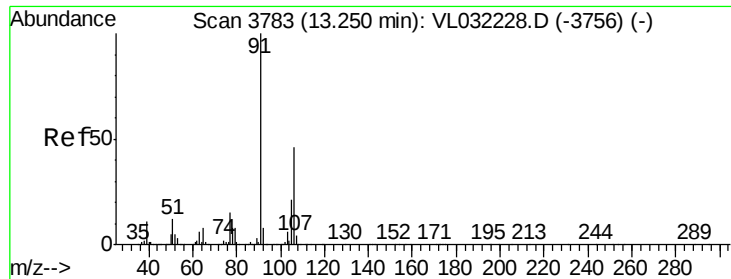
Delta R.T. -0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Tgt Ion:	91	Resp:	760981
Ion Ratio	Lower	Upper	
91	100		
106	24.7	24.5	36.7





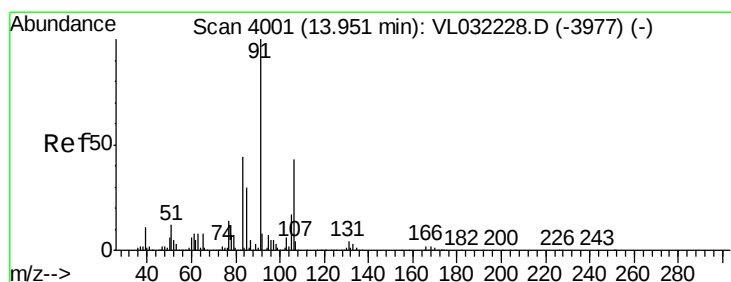
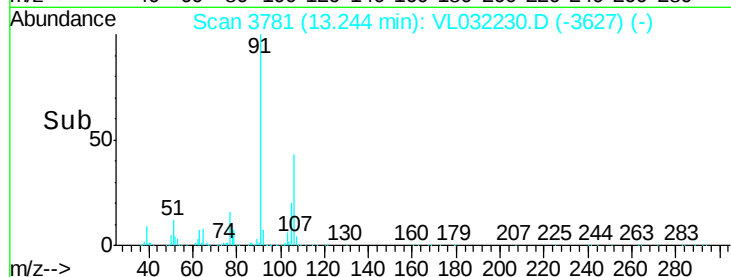
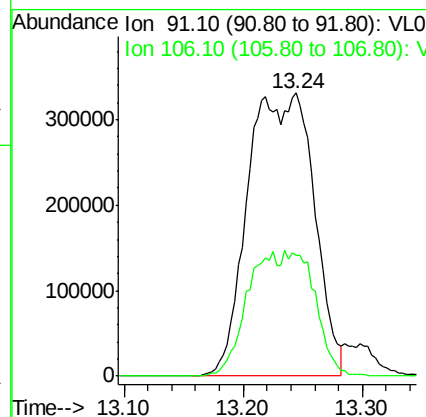
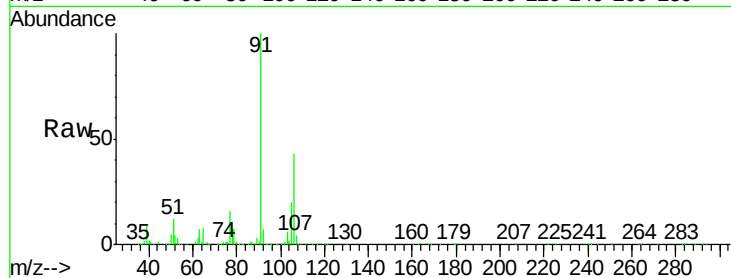
#59
m/p-Xylene
Concen: 2.02 ppbv m
RT: 13.24 min Scan# 3781
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion: 91 Resp: 1272397
Ion Ratio Lower Upper
91 100
106 44.4 36.4 54.6

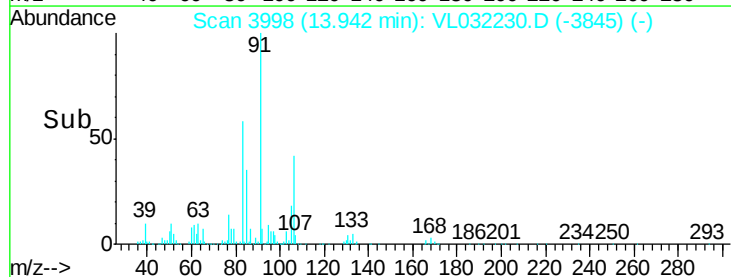
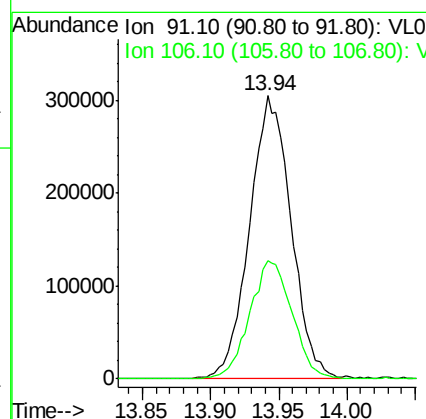
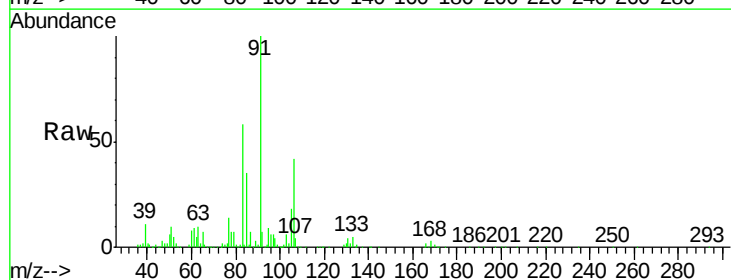
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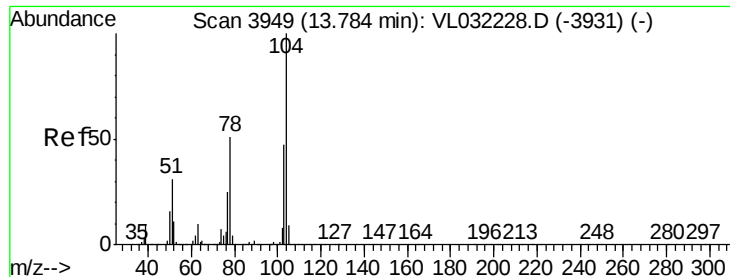
MMDadoda
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#60
o-Xylene
Concen: 1.02 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion: 91 Resp: 639776
Ion Ratio Lower Upper
91 100
106 43.2 21.9 65.5





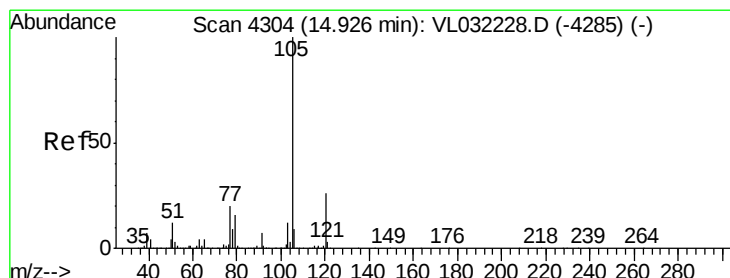
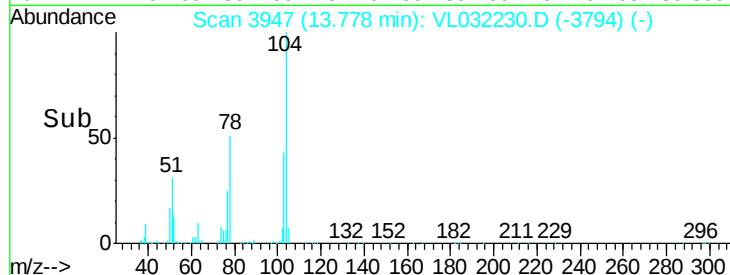
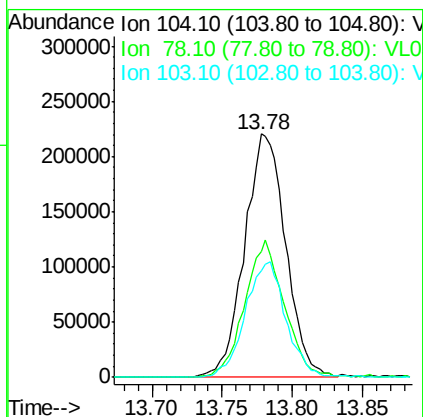
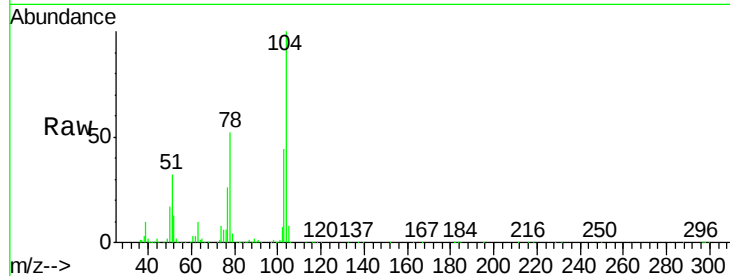
#61
Stvrene
Concen: 0.89 ppbv
RT: 13.78 min Scan# 3947
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.7	43.4	65.0
103	47.2	38.0	57.0

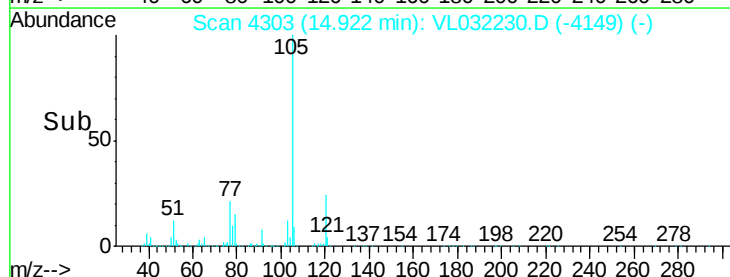
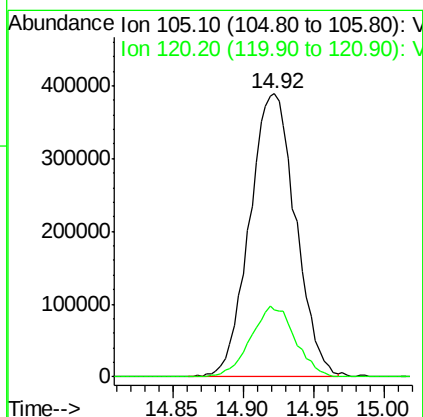
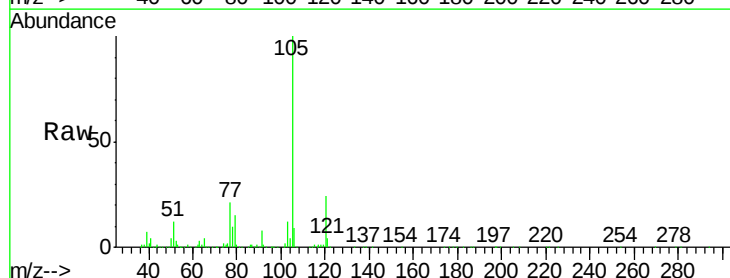
Manual Integrations
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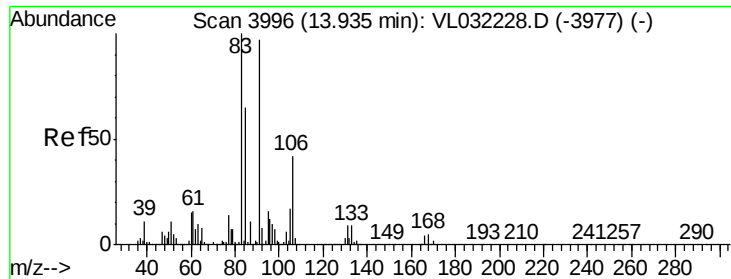
MMDadoda
7/13/2018 5:22:11 PM



#62
Isopropylbenzene
Concen: 0.93 ppbv
RT: 14.92 min Scan# 4303
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.2	20.2	30.2





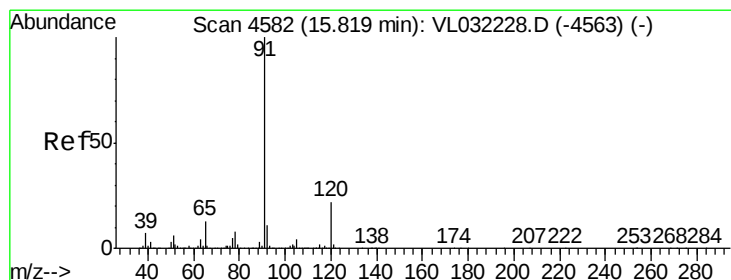
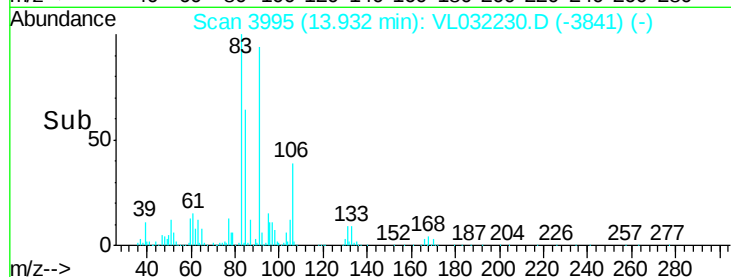
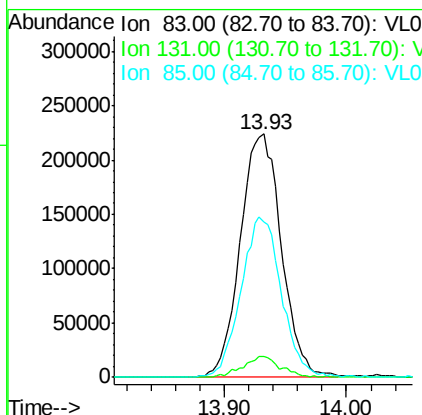
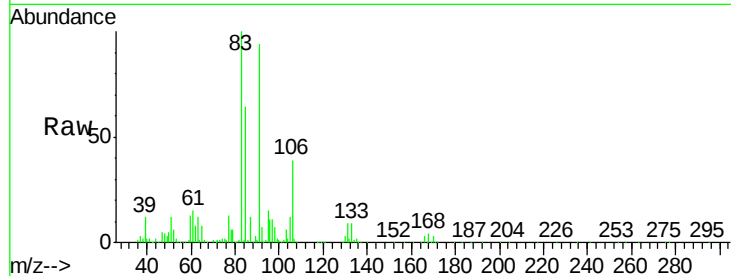
#63
 1,1,2,2-Tetrachloroethane
 Concen: 1.07 ppbv
 RT: 13.93 min Scan# 3995
 Delta R.T. -0.00 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.0	4.3	12.8
85	65.1	32.5	97.5

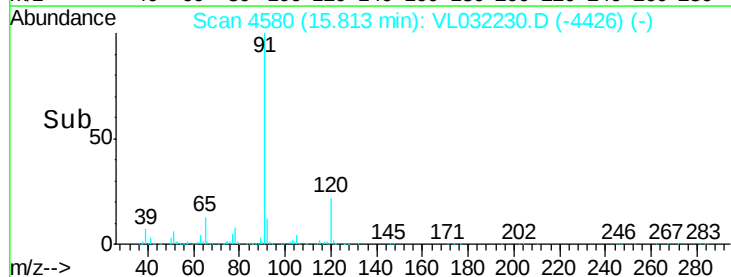
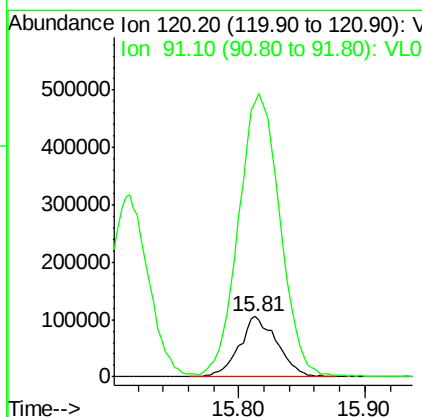
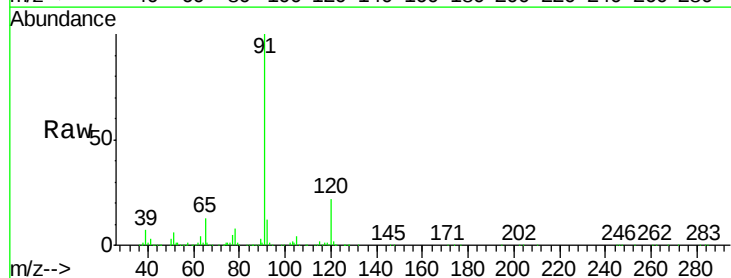
Manual Integrations
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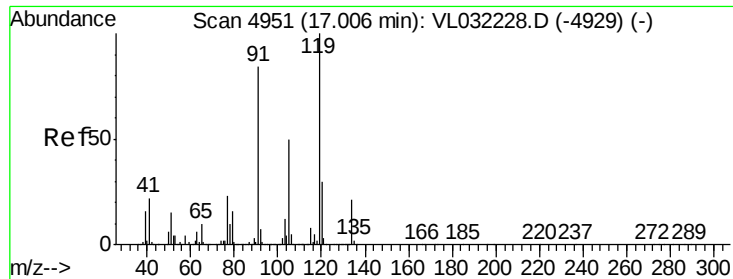
MMDadoda
 7/13/2018 5:22:11 PM



#64
 n-propylbenzene
 Concen: 0.89 ppbv m
 RT: 15.81 min Scan# 4580
 Delta R.T. -0.01 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
120	100		
91	514.4	385.0	577.4





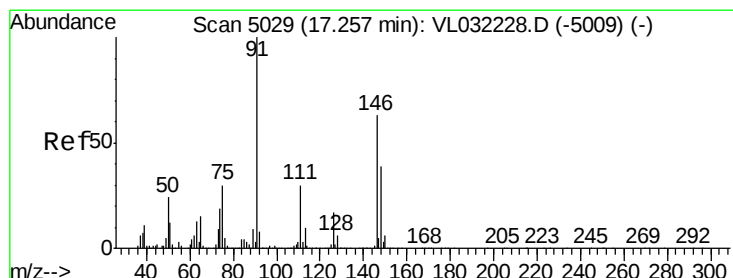
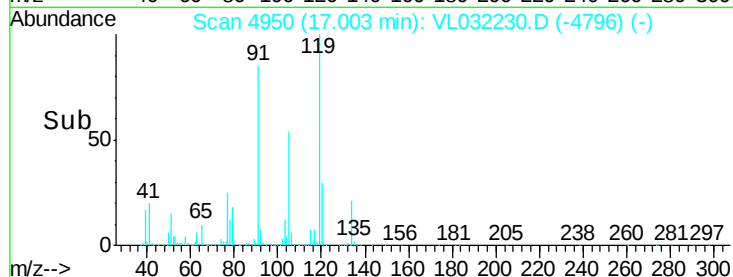
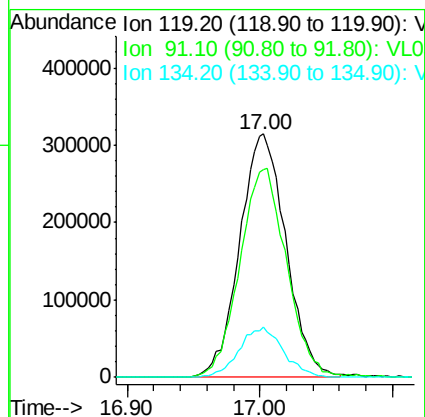
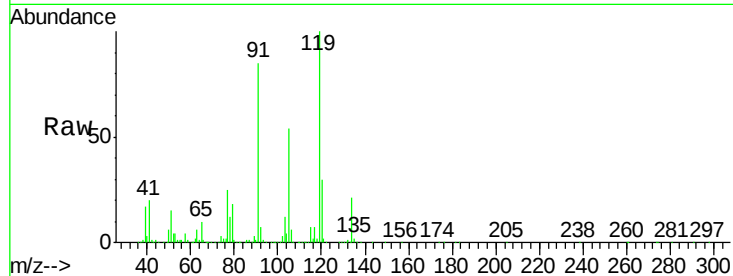
#65
tert-Butylbenzene
Concen: 0.90 ppbv
RT: 17.00 min Scan# 4950
Delta R.T. -0.00 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC001

Tot Ion	Ratio	Lower	Upper
119	100		
91	87.8	68.6	102.8
134	19.8	15.4	23.2

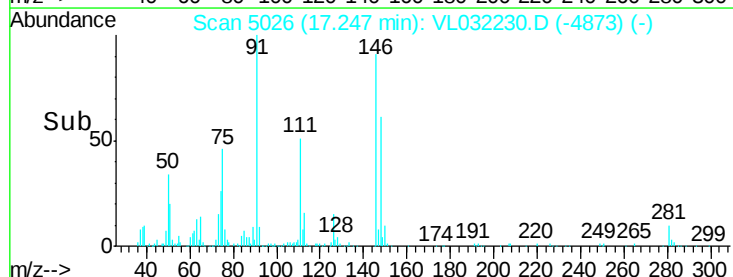
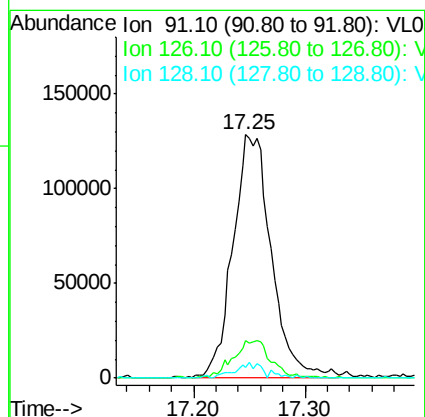
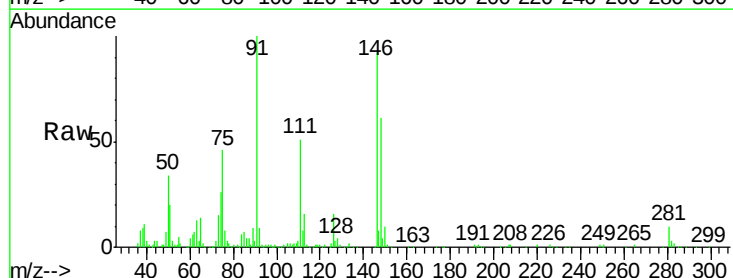
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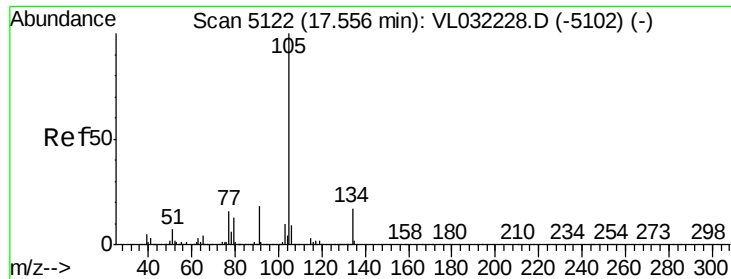
MMDadoda
7/13/2018 5:22:11 PM



#66
Benzyl Chloride
Concen: 0.61 ppbv m
RT: 17.25 min Scan# 5026
Delta R.T. -0.01 min
Lab File: VL032230.D
Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
91	100		
126	15.7	13.4	20.0
128	5.2	4.5	6.7





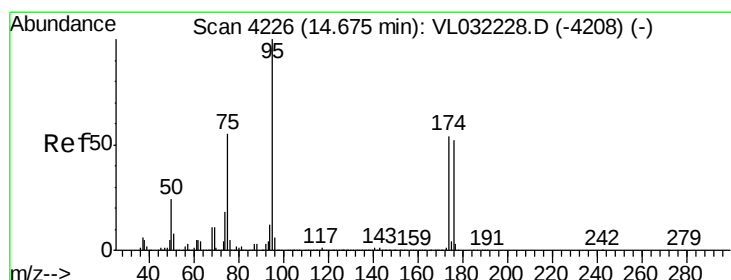
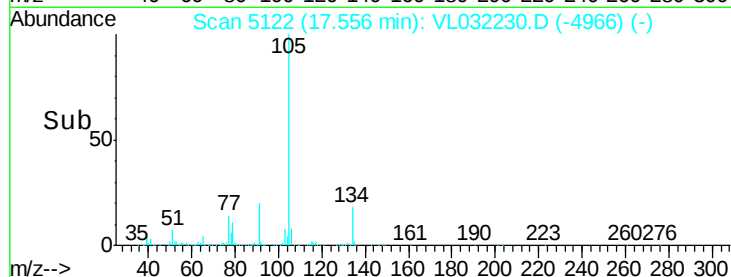
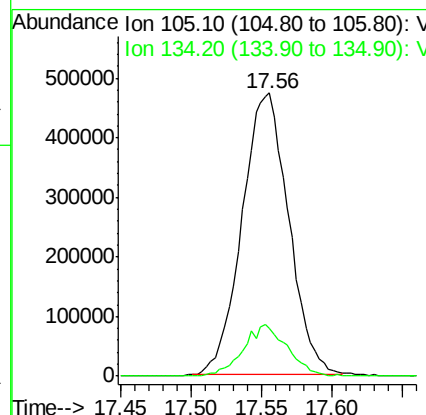
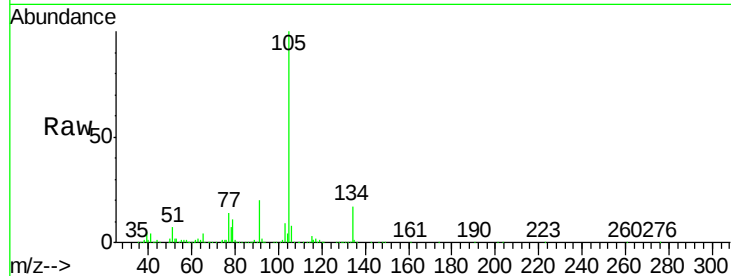
#67
 sec-Butylbenzene
 Concen: 0.89 ppbv
 RT: 17.56 min Scan# 5122
 Delta R.T. -0.00 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion: 105 Resp: 1090771
 Ion Ratio Lower Upper
 105 100
 134 17.3 14.2 21.2

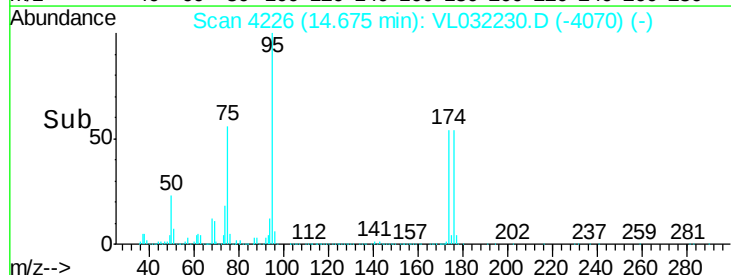
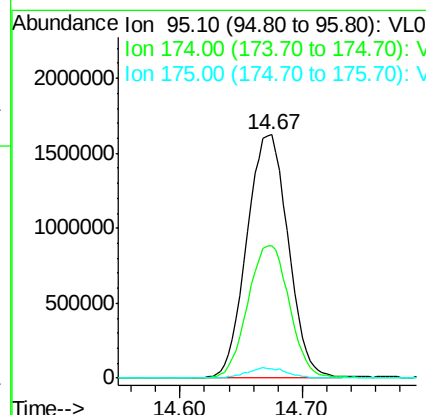
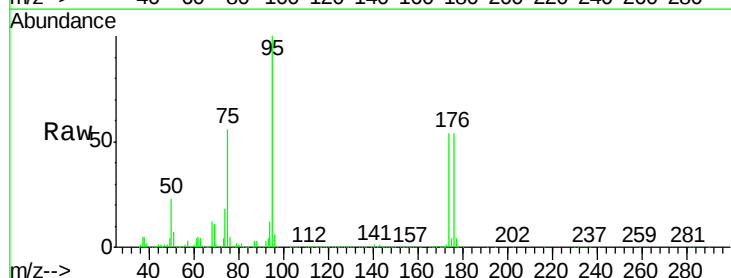
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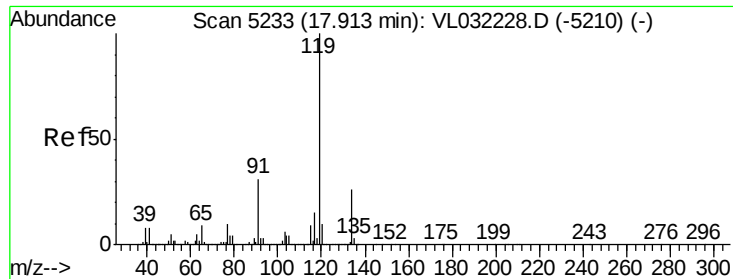
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.18 ppbv
 RT: 14.67 min Scan# 4226
 Delta R.T. -0.00 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Tgt Ion: 95 Resp: 3812183
 Ion Ratio Lower Upper
 95 100
 174 55.3 44.6 67.0
 175 4.1 3.3 4.9





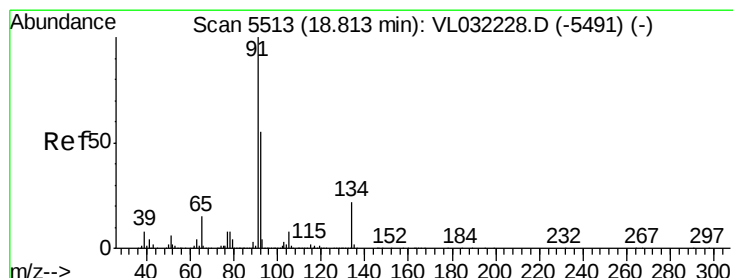
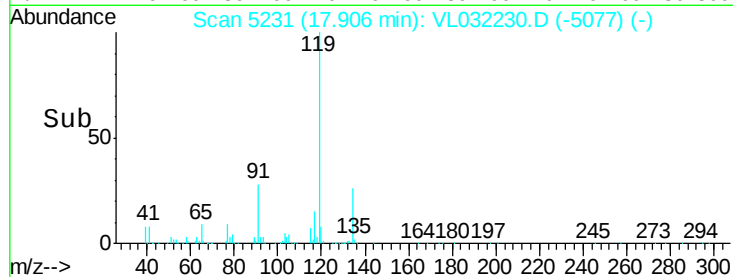
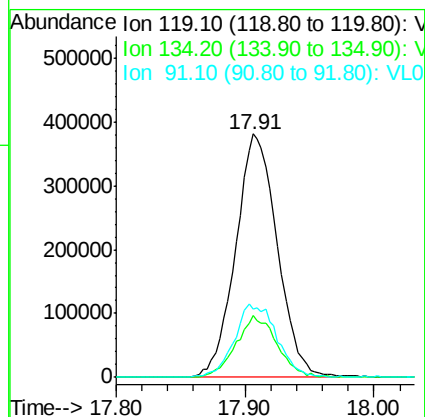
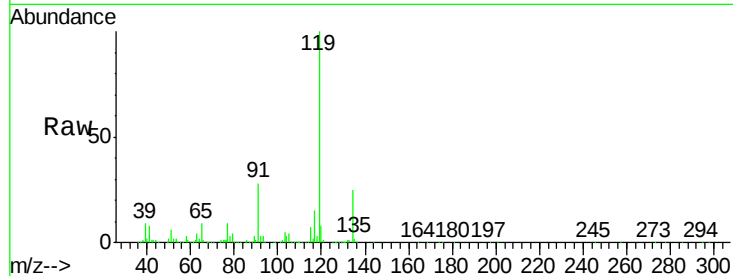
#69
 p-Isopropyltoluene
 Concen: 0.86 ppbv
 RT: 17.91 min Scan# 5231
 Delta R.T. -0.01 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Resp	Lower	Upper
119	100	847773		
134	25.2		20.1	30.1
91	30.6		24.2	36.2

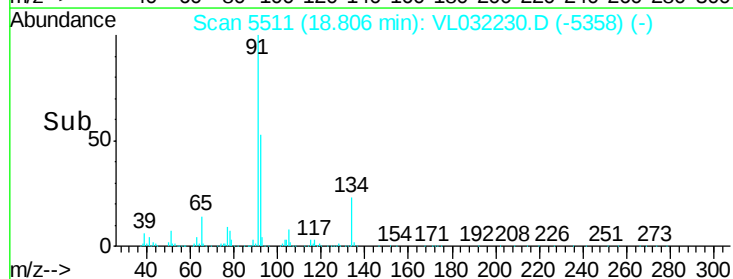
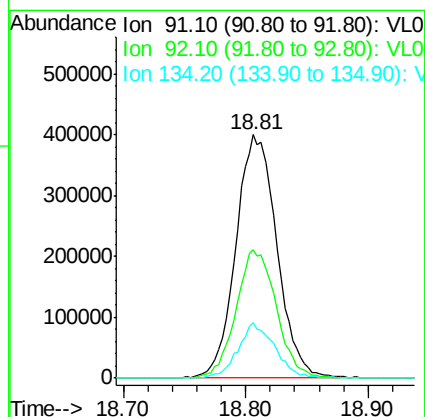
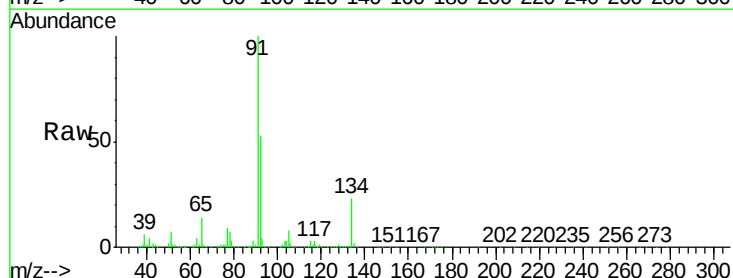
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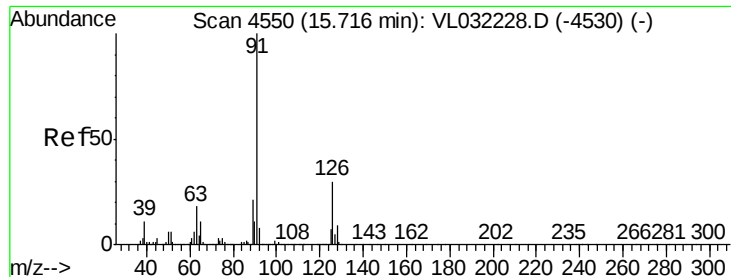
MMDadoda
 7/13/2018 5:22:11 PM



#70
 n-Butylbenzene
 Concen: 0.89 ppbv
 RT: 18.81 min Scan# 5511
 Delta R.T. -0.01 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	916599		
92	52.7		43.6	65.4
134	20.8		17.1	25.7





#71

2-Chlorotoluene

Concen: 0.92 ppbv

RT: 15.71 min Scan# 4549

Delta R.T. -0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC001

Tot Ion: 91 Resp: 685596

Ion Ratio Lower Upper

91 100

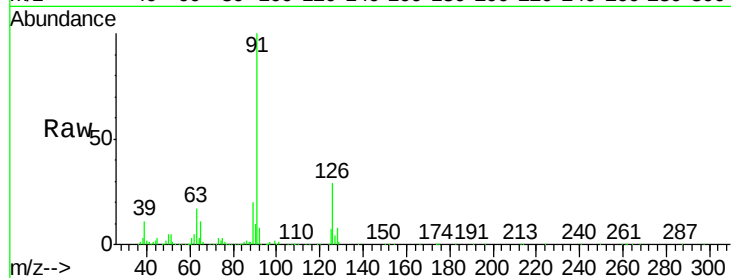
126 29.2 11.7 46.7

Manual Integrations

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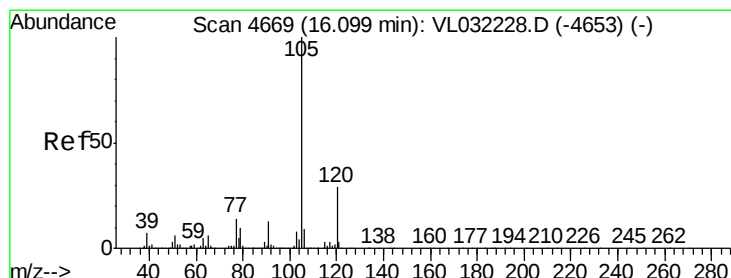
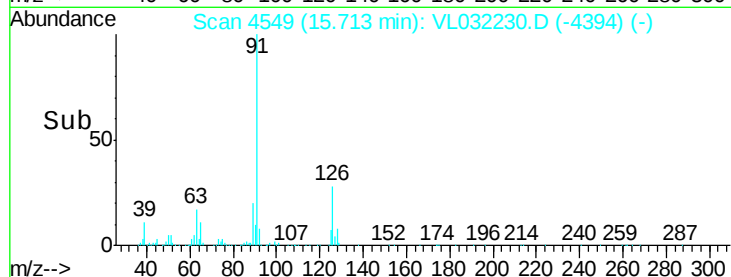
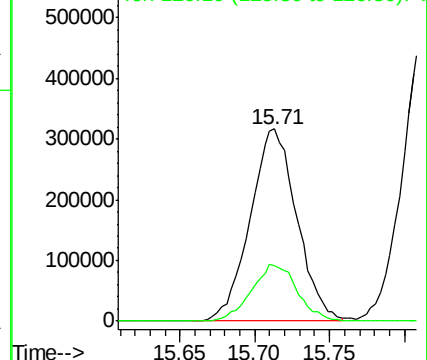
MMDadoda

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 0.86 ppbv

RT: 16.09 min Scan# 4667

Delta R.T. -0.01 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Tgt Ion: 105 Resp: 694458

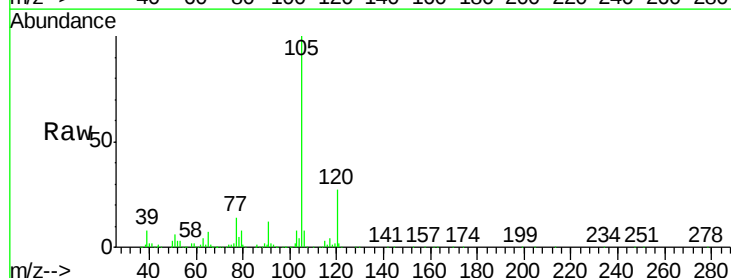
Ion Ratio Lower Upper

105 100

120 28.6 23.3 34.9

91 13.4 10.3 15.5

77 14.3 11.5 17.3

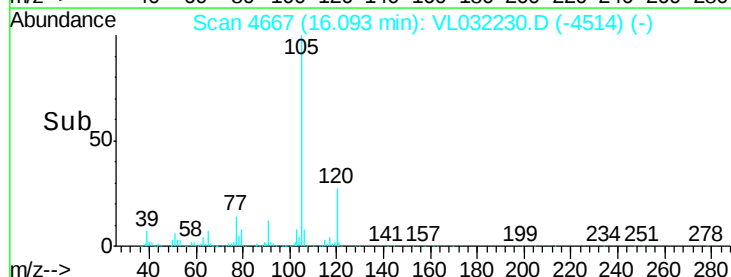
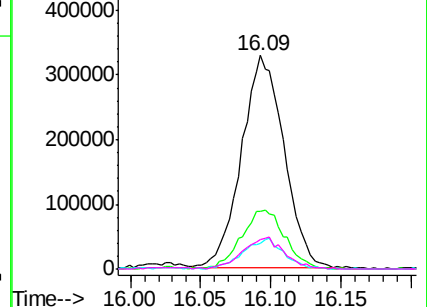


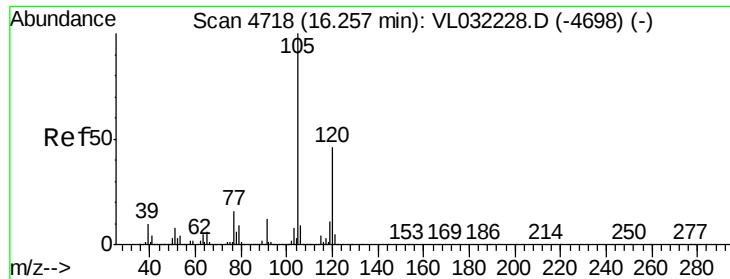
Abundance Ion 105.10 (104.80 to 105.80): V

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





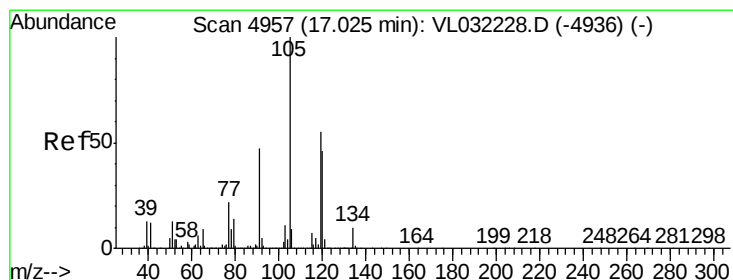
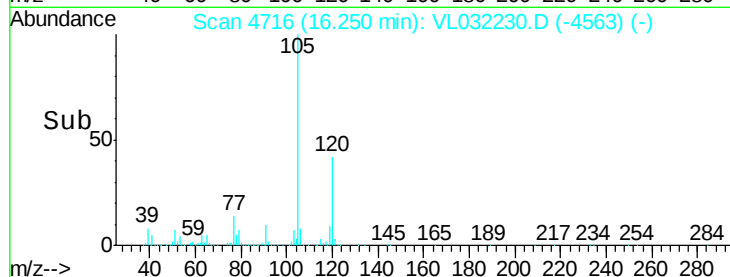
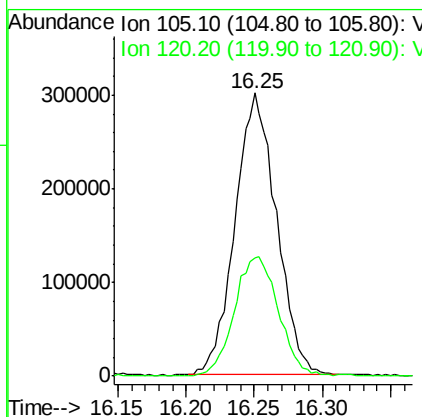
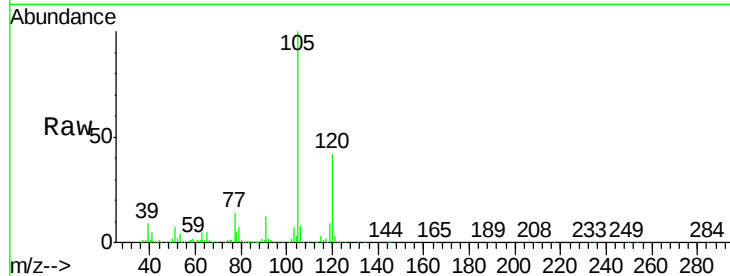
#73
 1,3,5-Trimethylbenzene
 Concen: 0.84 ppbv
 RT: 16.25 min Scan# 4716
 Delta R.T. -0.01 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
105	100		
120	41.8	36.6	54.8

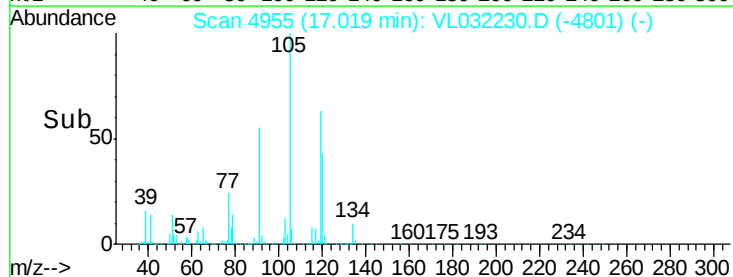
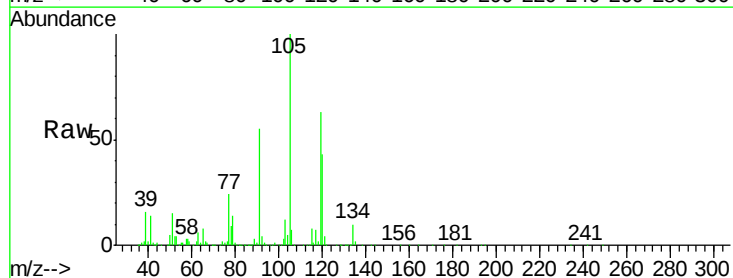
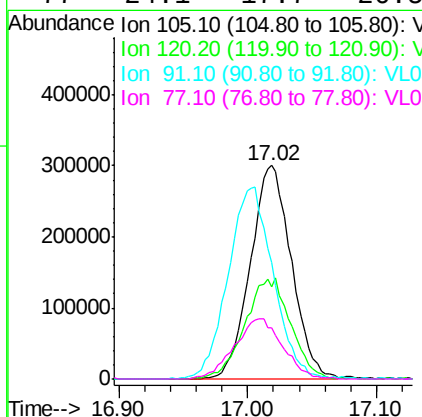
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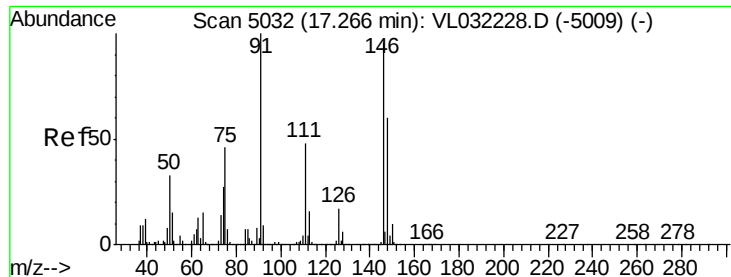
MMDadoda
 7/13/2018 5:22:11 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 0.87 ppbv
 RT: 17.02 min Scan# 4955
 Delta R.T. -0.01 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
105	100		
120	43.0	37.0	55.4
91	53.8	38.2	57.2
77	24.1	17.7	26.5





#75

1,3-Dichlorobenzene

Concen: 0.96 ppbv

RT: 17.26 min Scan# 5031

Delta R.T. -0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

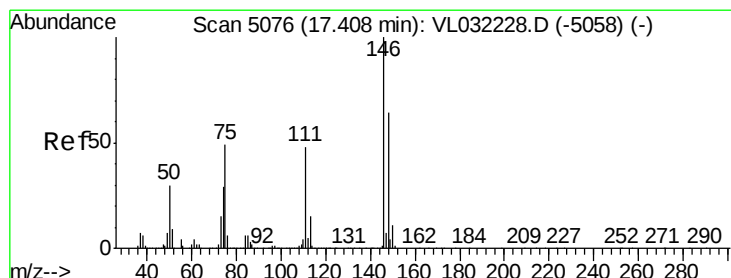
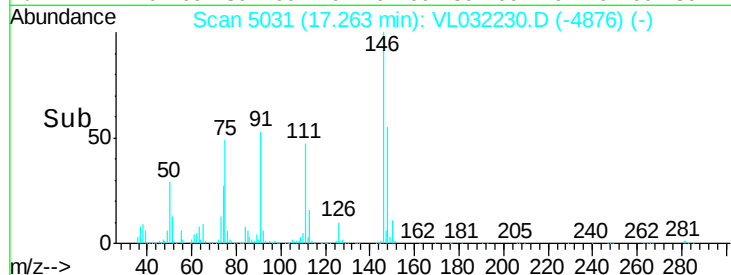
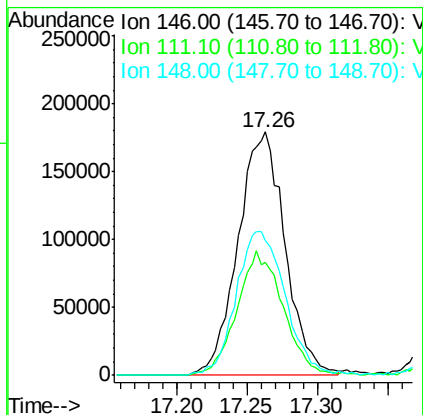
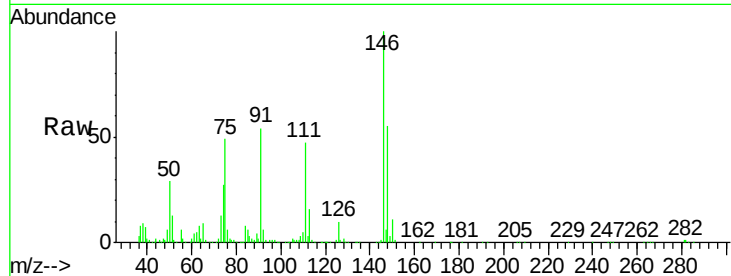
ClientSampleId :

VSTDIC001

Tot Ion:	146	Resp:	415198
Ion Ratio	Lower	Upper	
146	100		
111	51.1	24.9	74.7
148	62.5	31.9	95.5

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#76

1,4-Dichlorobenzene

Concen: 0.90 ppbv

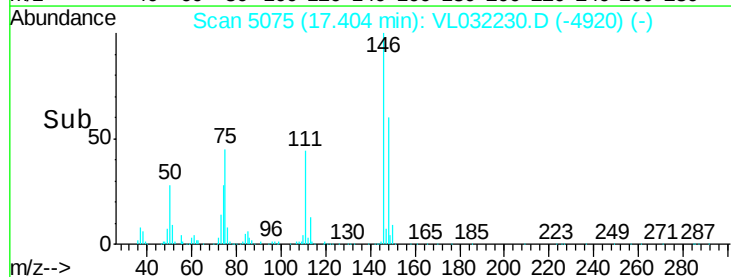
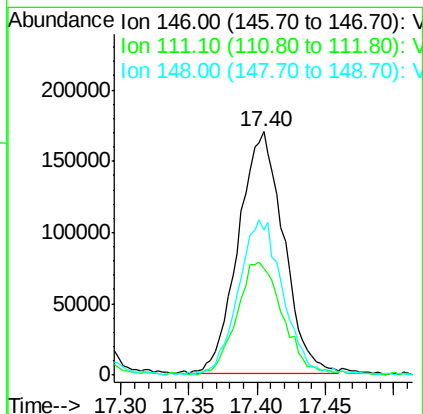
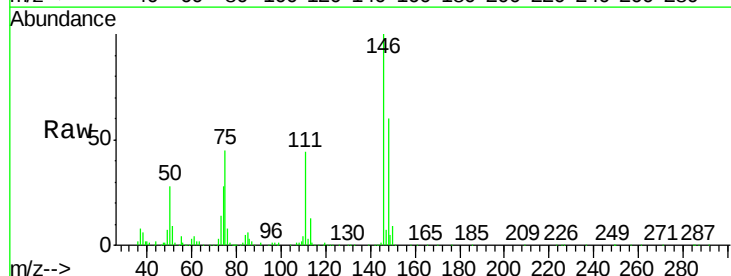
RT: 17.40 min Scan# 5075

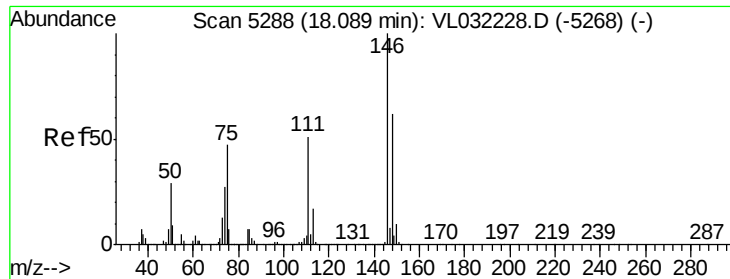
Delta R.T. -0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Tgt Ion:	146	Resp:	391932
Ion Ratio	Lower	Upper	
146	100		
111	48.4	24.6	73.6
148	63.9	32.3	96.9





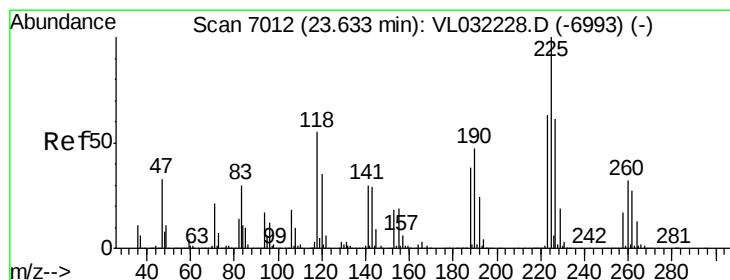
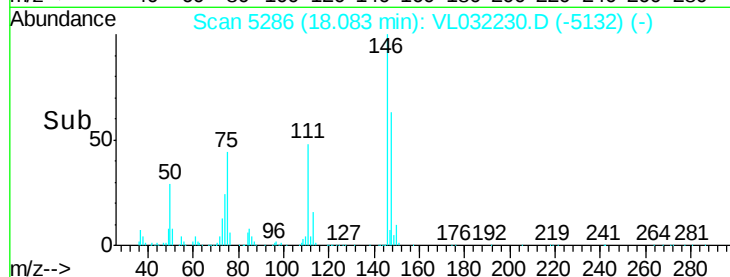
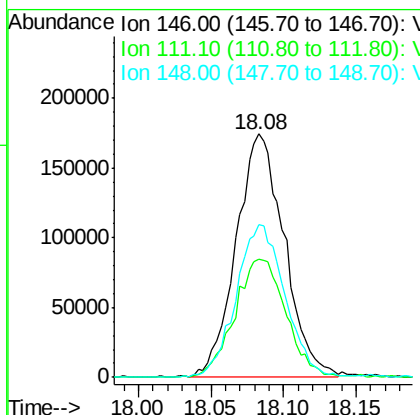
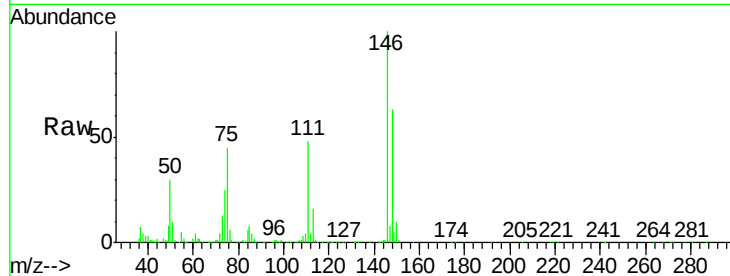
#77
 1,2-Dichlorobenzene
 Concen: 0.93 ppbv
 RT: 18.08 min Scan# 5286
 Delta R.T. -0.01 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
146	100		
111	52.8	26.1	78.3
148	64.5	32.0	96.0

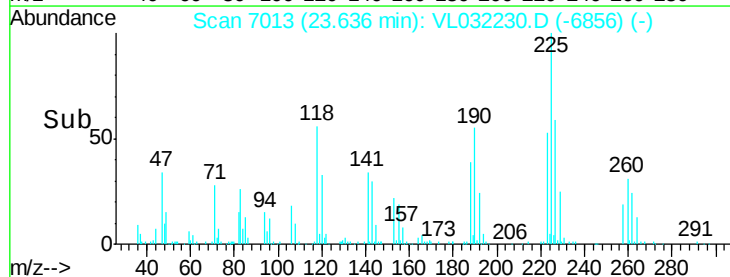
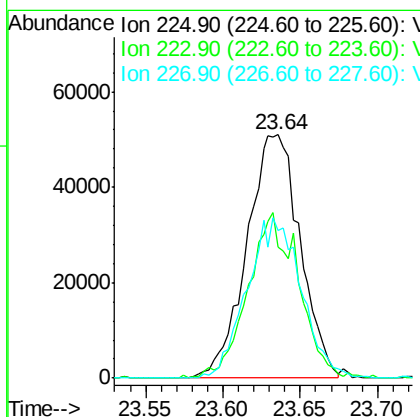
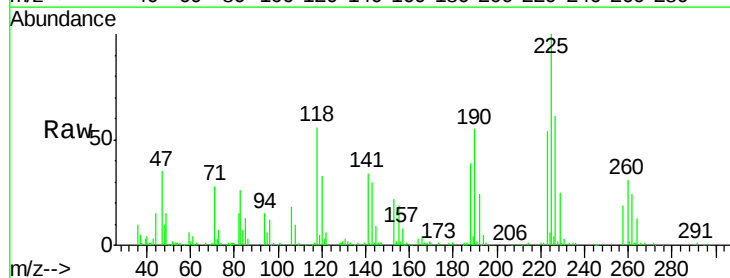
Manual Integrations
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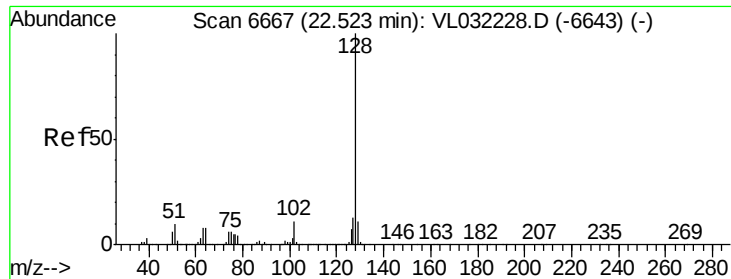
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 0.83 ppbv
 RT: 23.64 min Scan# 7013
 Delta R.T. 0.00 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.5	50.3	75.5
227	66.7	50.9	76.3





#79

Naphthalene

Concen: 0.43 ppbv

RT: 22.53 min Scan# 6670

Delta R.T. 0.01 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Instrument :

MSVOA_L

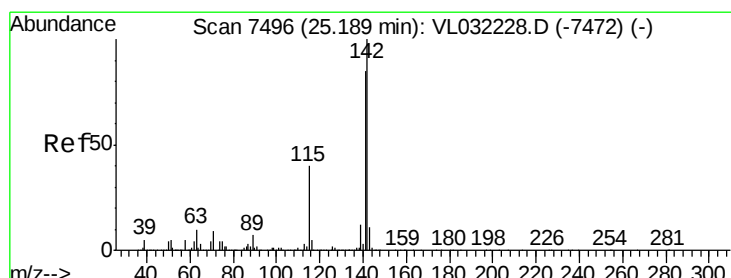
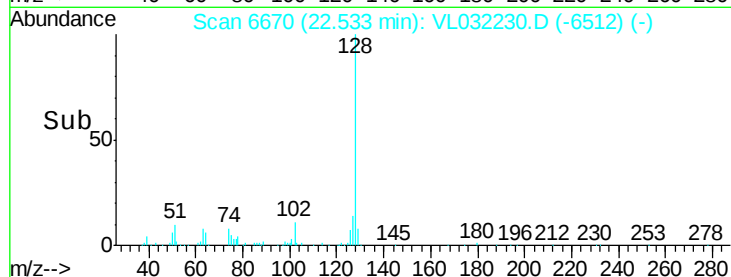
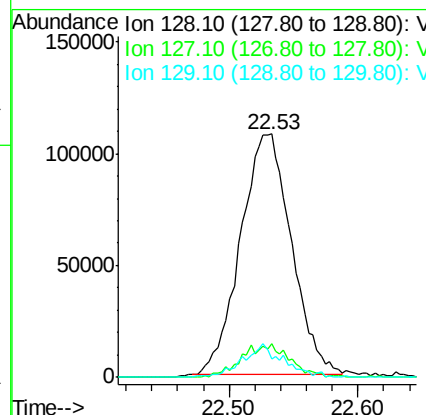
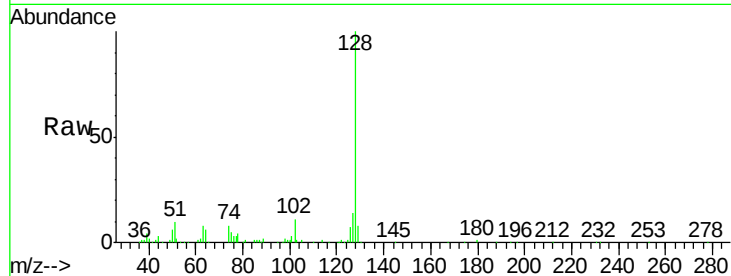
ClientSampleId :

VSTDIC001

Tot Ion:	128	Resp:	295287
Ion Ratio		Lower	Upper
128	100		
127	13.8	10.0	15.0
129	7.6	9.0	13.4

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#80

Naphthalene, 2-methyl-

Concen: 0.07 ppbv

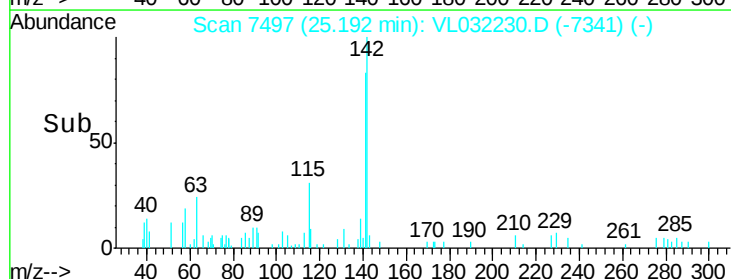
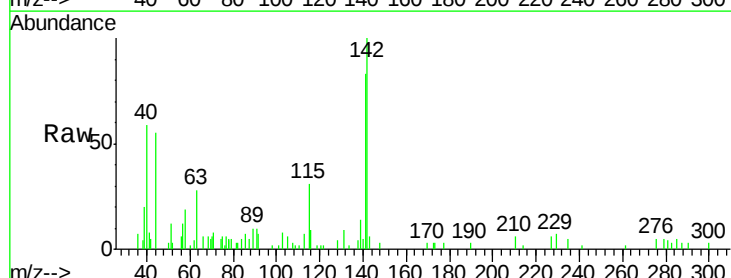
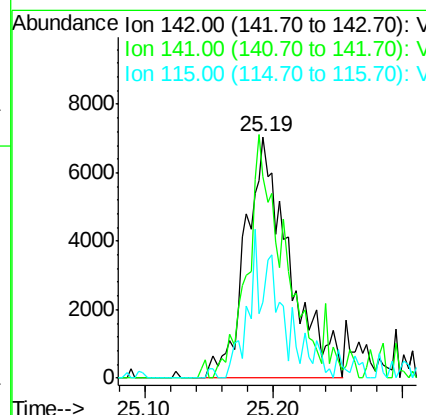
RT: 25.19 min Scan# 7497

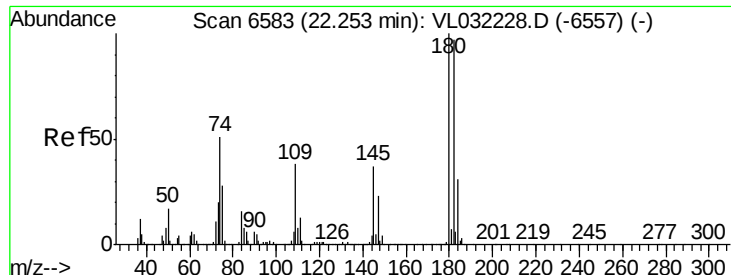
Delta R.T. 0.00 min

Lab File: VL032230.D

Acq: 12 Jul 2018 19:25

Tgt Ion:	142	Resp:	16615
Ion Ratio		Lower	Upper
142	100		
141	88.3	67.0	100.6
115	45.1	32.6	49.0





#81
 1,2,4-Trichlorobenzene
 Concen: 0.56 ppbv m
 RT: 22.25 min Scan# 6583
 Delta R.T. -0.00 min
 Lab File: VL032230.D
 Acq: 12 Jul 2018 19:25

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
184	0.0	24.2	36.4

Manual Integrations
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