

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032920.D
 Acq On : 7 Dec 2018 3:39
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:07:54 AM

Quant Time: Dec 07 05:59:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 05:59:03 2018
 QLast Update : Fri Dec 07 05:41:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1226908	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3093931	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3273055m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2346668	9.82	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1553872	9.237	ppbv	100
3) Chlorodifluoromethane	3.02	51	859166	8.977	ppbv	100
4) Chloromethane	3.17	50	469988	8.331	ppbv	100
5) Vinyl Chloride	3.30	62	490881	8.882	ppbv	100
6) Bromomethane	3.52	94	326015	9.099	ppbv	100
7) Chloroethane	3.61	64	186233	8.697	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1263171	9.224	ppbv	100
9) Propene	3.04	41	339186	8.854	ppbv	100
10) Heptane	8.25	43	1419585	9.742	ppbv	100
11) Trichlorofluoromethane	4.01	101	1454979	8.734	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1192080	9.414	ppbv	100
13) Ethanol	3.65	45	84593	6.523	ppbv	99
14) Bromoethene	3.79	108	435075	9.387	ppbv	100
15) Acetone	3.91	43	891713	8.143	ppbv	100
16) 1,3-Butadiene	3.37	39	408461	9.344	ppbv	100
17) tert-Butyl alcohol	4.36	59	263534m	8.665	ppbv	100
18) 1,1-Dichloroethene	4.36	96	466871	8.487	ppbv	100
19) Isopropyl Alcohol	4.03	45	619049	7.816	ppbv	100
20) Methylene Chloride	4.42	84	466128	7.574	ppbv	100
21) Allyl Chloride	4.48	41	847489	10.493	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	572482	8.616	ppbv	100
23) Vinyl Acetate	5.16	43	1723497	8.351	ppbv	100
24) 1,1-Dichloroethane	5.10	63	1368077	8.614	ppbv	100
25) Ethyl Acetate	5.78	43	2448926	9.477	ppbv	100
26) Hexane	5.79	57	1147000	9.455	ppbv	100
27) Carbon Disulfide	4.62	76	1400787	9.129	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	1692954	8.709	ppbv	100
29) Chloroform	5.86	83	1973937	9.797	ppbv	100
30) Cyclohexane	7.25	84	971489	9.808	ppbv	100
31) cis-1,2-Dichloroethene	5.65	61	1068934	9.684	ppbv	100
32) 1,1,1-Trichloroethane	6.63	97	2041518	9.052	ppbv	100
34) 2-Butanone	5.34	43	1346861	8.793	ppbv	100
35) Carbon Tetrachloride	7.14	117	2211230	9.610	ppbv	100
36) Benzene	7.01	78	2295189	9.470	ppbv	100
37) 1,2-Dichloroethane	6.42	62	1537903	9.868	ppbv	100
38) Trichloroethene	7.97	130	978646	10.136	ppbv	100
39) 1,2-Dichloropropane	7.74	63	857825	9.655	ppbv	100
40) 1,4-Dioxane	7.97	88	303387	9.040	ppbv #	100
41) Tetrahydrofuran	6.16	42	882466	10.120	ppbv	100
42) Bromodichloromethane	7.93	83	2151148	9.926	ppbv	100
43) Methyl Methacrylate	8.15	69	940016	10.493	ppbv	100

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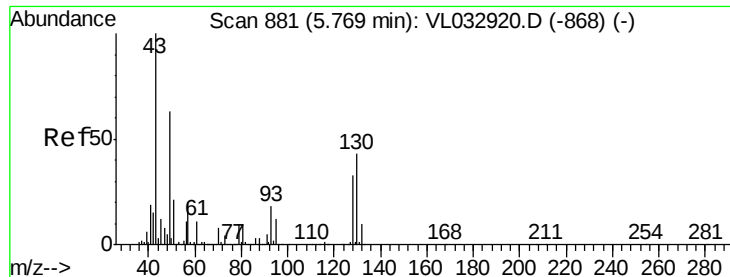
Manual Integrations
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 12/11/2018 10:07:54 AM

Quant Time: Dec 07 05:59:03 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 05:59:03 2018
 QLast Update : Fri Dec 07 05:41:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	3955297	10.003	ppbv	100
45) t-1,3-Dichloropropene	9.42	75	1295831	11.011	ppbv	100
46) cis-1,3-Dichloropropene	8.84	75	1462101	10.956	ppbv	100
47) 1,1,2-Trichloroethane	9.62	97	963174	9.173	ppbv	100
48) Dibromochloromethane	10.46	129	1845117	9.512	ppbv	100
49) Bromoform	13.21	173	1575449	9.677	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	2227590	9.944	ppbv	100
51) 2-Hexanone	10.28	43	1723265	10.402	ppbv #	100
52) Tetrachloroethene	11.38	164	848007	9.349	ppbv	100
53) Toluene	9.96	91	2738781	9.971	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1546413	9.874	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.29	131	1323794	8.952	ppbv	100
57) Chlorobenzene	12.31	112	2106798	8.621	ppbv	100
58) Ethyl Benzene	12.88	91	3698657	9.914	ppbv	100
59) m/p-Xylene	13.16	91	6288759m	18.675	ppbv	
60) o-Xylene	13.86	91	3100080	9.424	ppbv	100
61) Styrene	13.70	104	2431566	11.067	ppbv	100
62) Isopropylbenzene	14.84	105	4428829	9.487	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.85	83	2117797	8.540	ppbv	100
64) n-propylbenzene	15.73	120	1196982	10.170	ppbv	100
65) tert-Butylbenzene	16.92	119	4393574	10.971	ppbv	100
66) Benzyl Chloride	17.17	91	2537873	11.953	ppbv	100
67) sec-Butylbenzene	17.47	105	6156675	10.843	ppbv	100
69) p-Isopropyltoluene	17.83	119	5029138	11.144	ppbv	100
70) n-Butylbenzene	18.73	91	4747528	10.692	ppbv	100
71) 2-Chlorotoluene	15.63	91	3508109	10.403	ppbv	100
72) 4-Ethyltoluene	16.01	105	3794729	10.934	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	3459672	10.347	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	3941834	10.837	ppbv	100
75) 1,3-Dichlorobenzene	17.18	146	2192604	10.294	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2165977	10.856	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	2101894	10.466	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	930636	7.335	ppbv	100
79) Naphthalene	22.42	128	2725041	12.673	ppbv	100
80) Naphthalene,2-methyl-	25.12	142	721544	15.012	ppbv	100
81) 1,2,4-Trichlorobenzene	22.15	180	1348433	11.892	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 881

Delta R.T. 0.00 min

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ClientSampleId :

VSTDICCC010

Tgt Ion: 49 Resp: 1226908

Ion Ratio Lower Upper

49 100

128 52.5 26.3 78.8

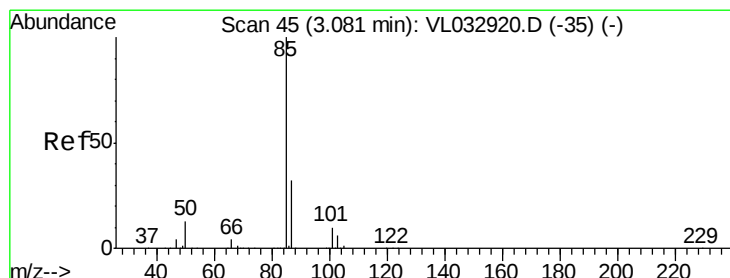
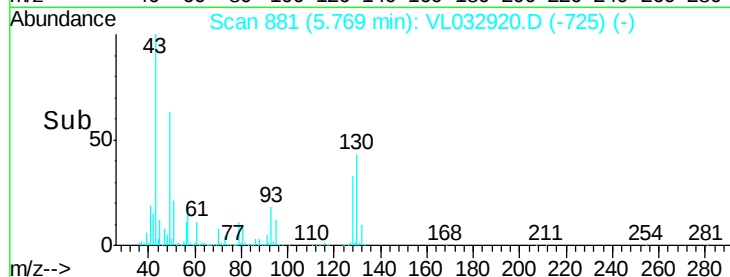
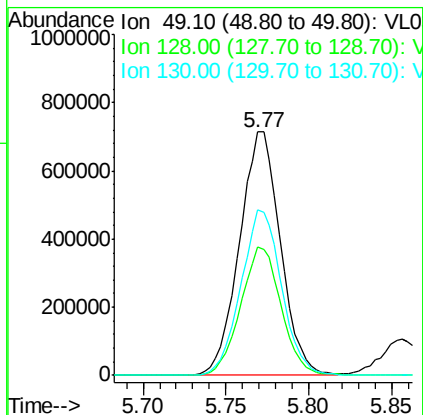
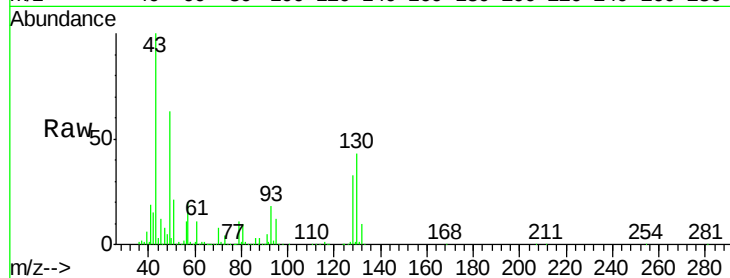
130 67.7 33.9 101.7

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#2

Dichlorodifluoromethane

Concen: 9.237 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.00 min

Lab File: VL032920.D

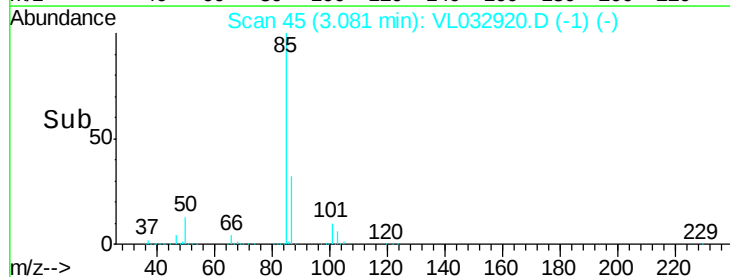
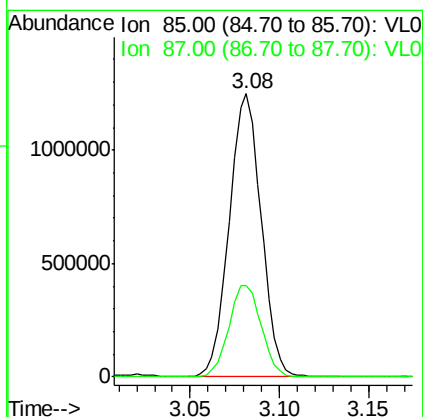
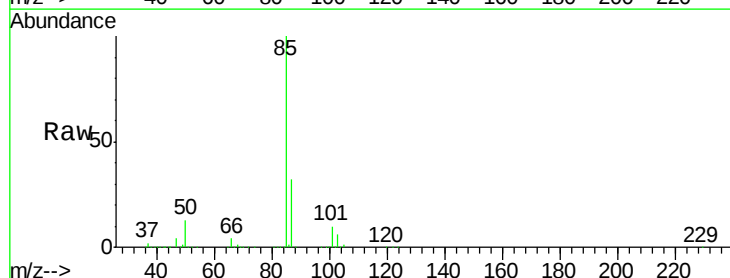
Acq: 7 Dec 2018 3:39

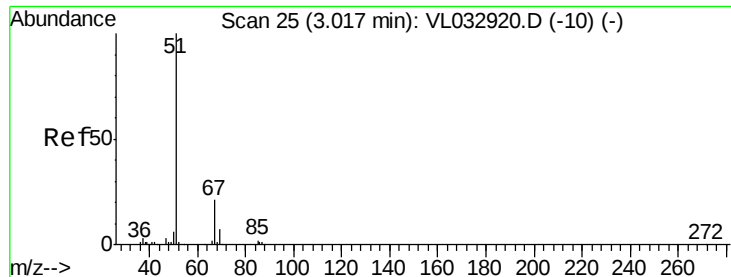
Tgt Ion: 85 Resp: 1553872

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5





#3

Chlorodifluoromethane

Concen: 8.977 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 51 Resp: 859166

Ion Ratio Lower Upper

51 100

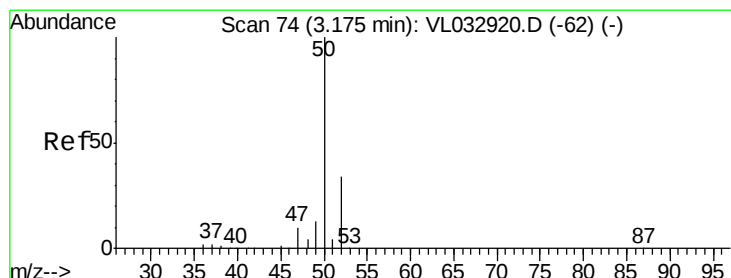
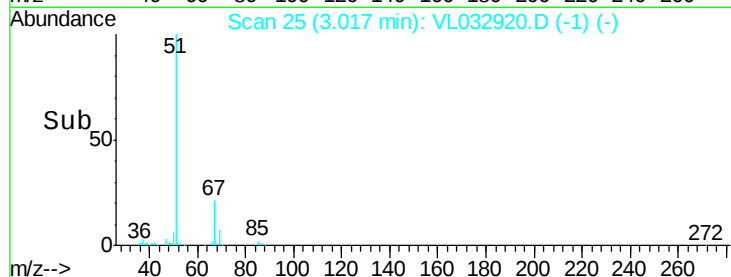
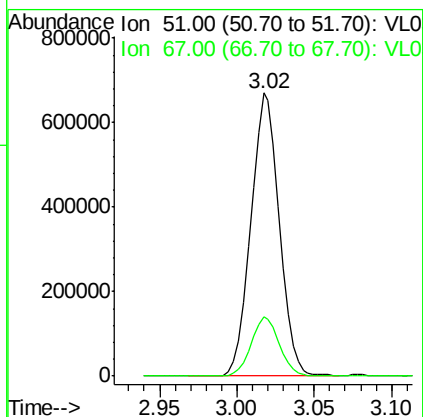
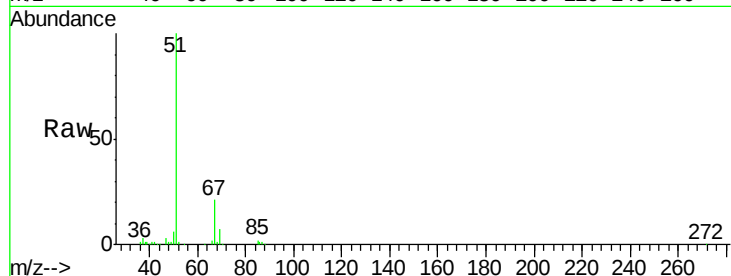
67 21.0 16.8 25.2

Manual Integrations

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12/11/2018 10:07:54 AM



#4

Chloromethane

Concen: 8.331 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032920.D

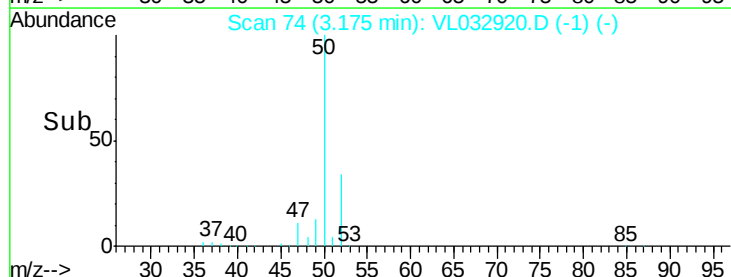
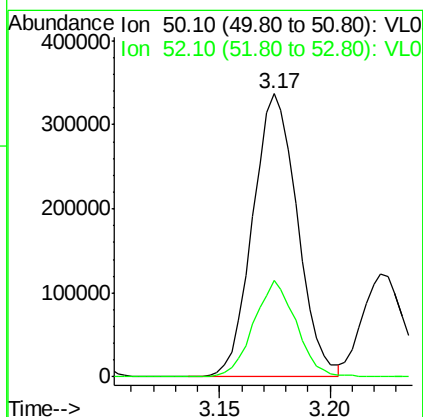
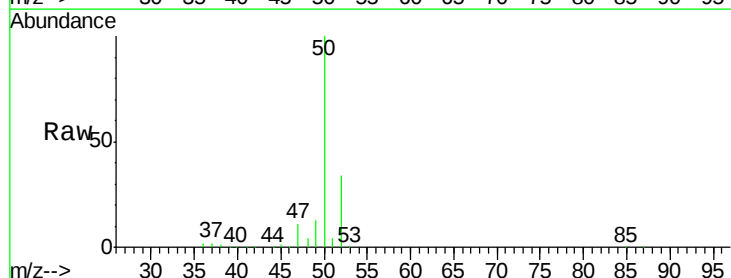
Acq: 7 Dec 2018 3:39

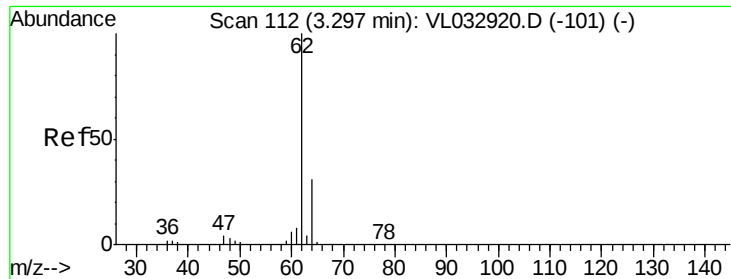
Tgt Ion: 50 Resp: 469988

Ion Ratio Lower Upper

50 100

52 34.1 27.3 40.9





#5

Vinyl Chloride

Concen: 8.882 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 62 Resp: 490881

Ion Ratio Lower Upper

62 100

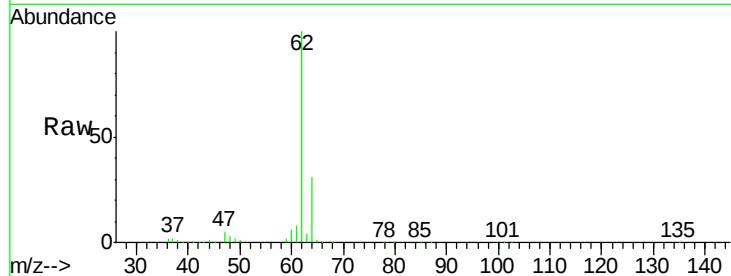
64 31.0 24.8 37.2

Manual Integrations

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12/11/2018 10:07:54 AM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.30

400000

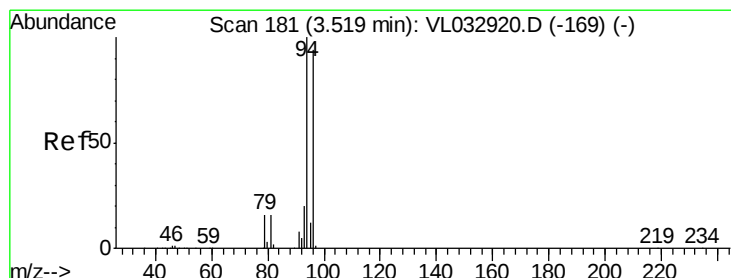
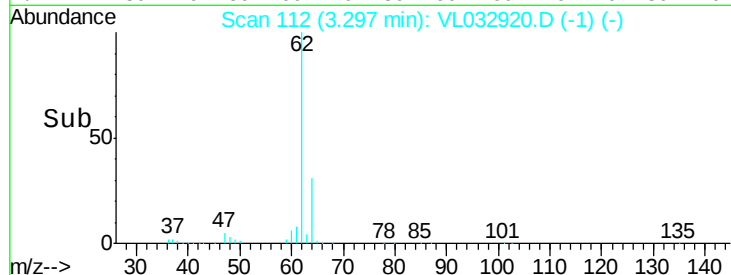
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.099 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032920.D

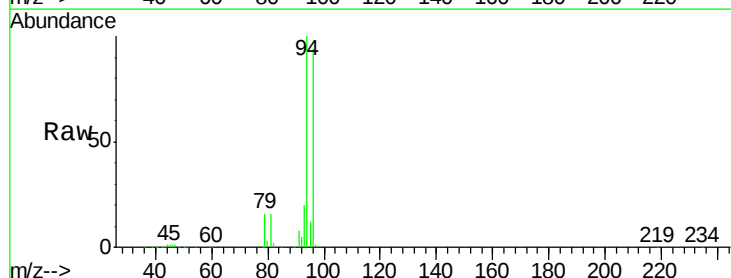
Acq: 7 Dec 2018 3:39

Tgt Ion: 94 Resp: 326015

Ion Ratio Lower Upper

94 100

96 94.4 75.5 113.3



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.52

250000

200000

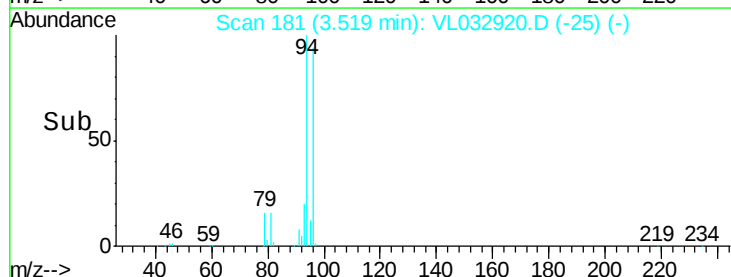
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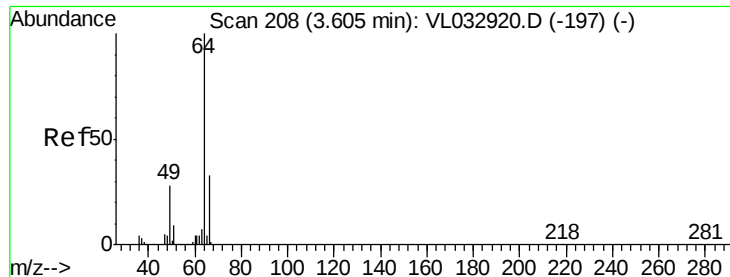
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50000

0

Time-->





#7

Chloroethane

Concen: 8.697 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 64 Resp: 186233

Ion Ratio Lower Upper

64 100

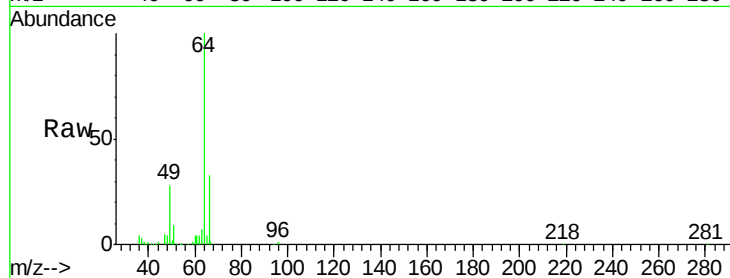
66 33.3 26.6 40.0

Manual Integrations

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12/11/2018 10:07:54 AM



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

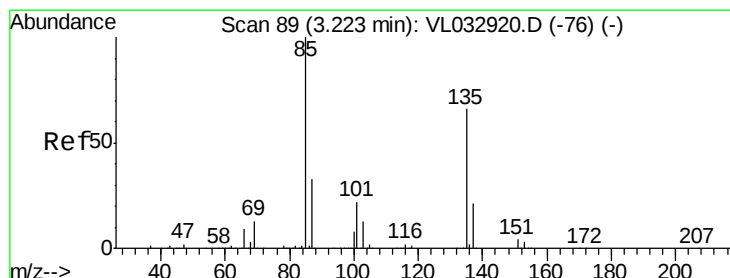
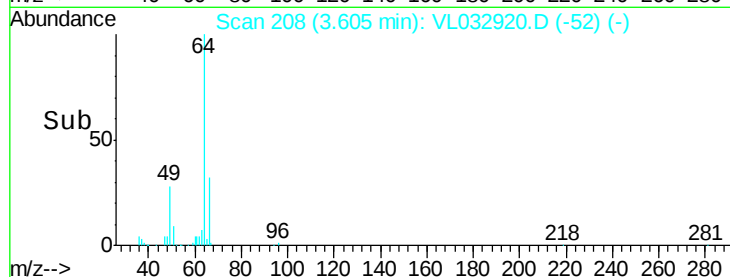
100000

50000

0

3.55 3.60 3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.224 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL032920.D

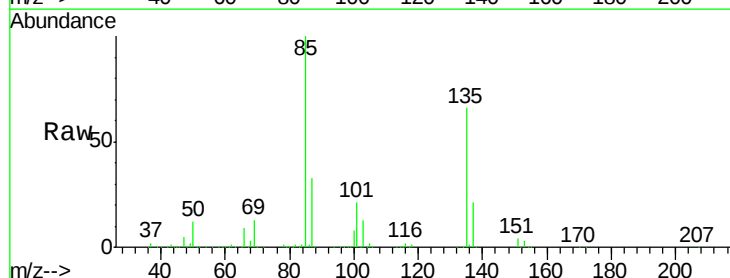
Acq: 7 Dec 2018 3:39

Tgt Ion: 85 Resp: 1263171

Ion Ratio Lower Upper

85 100

135 68.1 54.5 81.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1000000

800000

600000

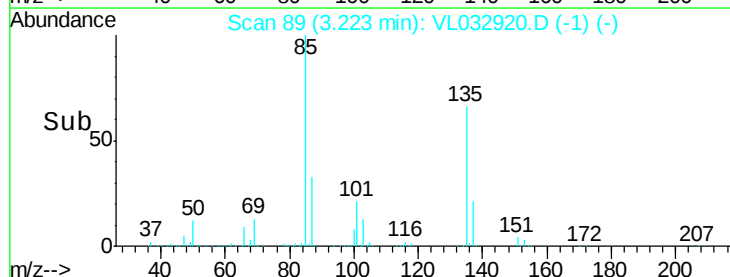
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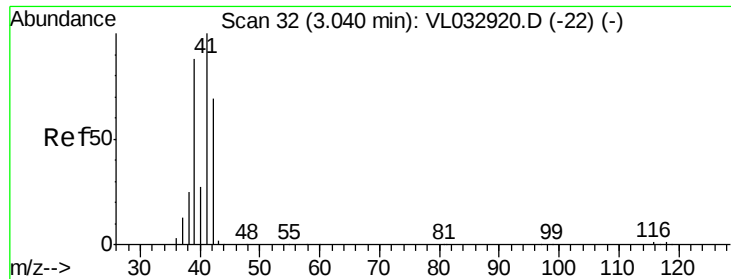
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3.15 3.20 3.25 3.30

Time-->





#9

Propene

Concen: 8.854 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 41 Resp: 339186

Ion Ratio Lower Upper

41 100

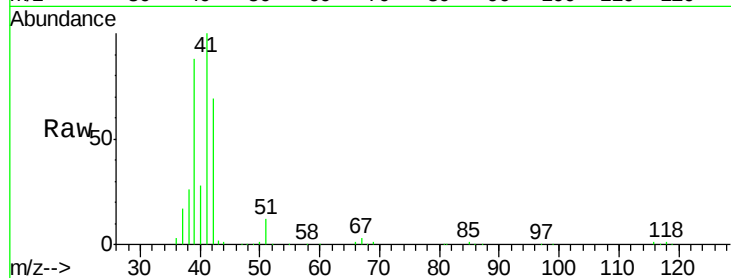
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Manual Integrations

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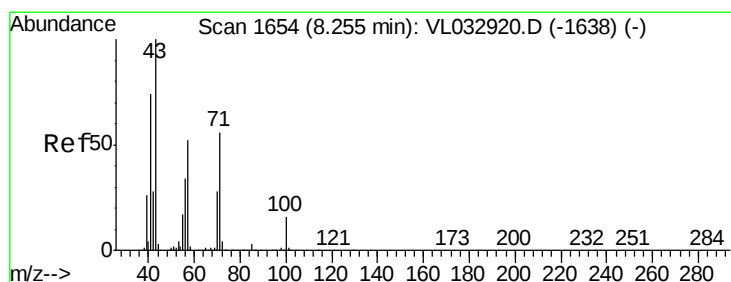
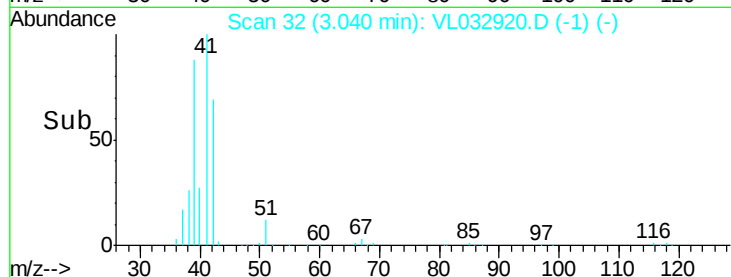
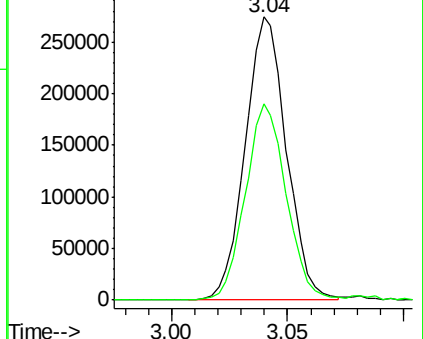
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12/11/2018 10:07:54 AM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.742 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL032920.D

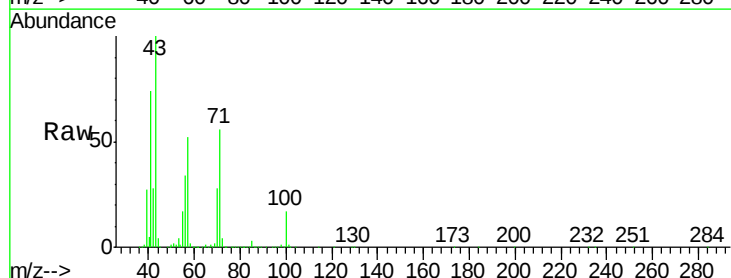
Acq: 7 Dec 2018 3:39

Tgt Ion: 43 Resp: 1419585

Ion Ratio Lower Upper

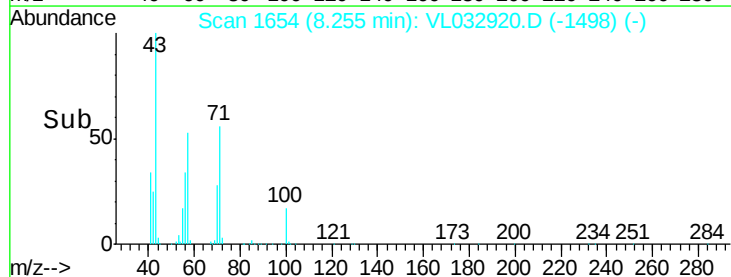
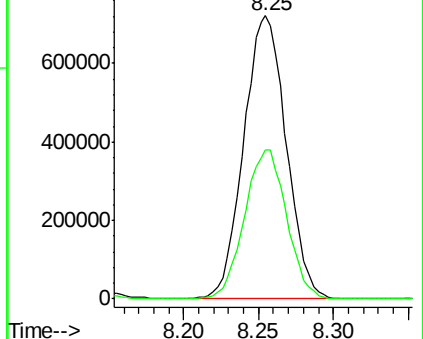
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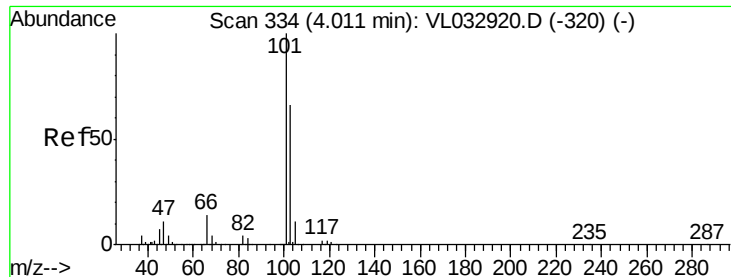
57 52.2 41.8 62.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





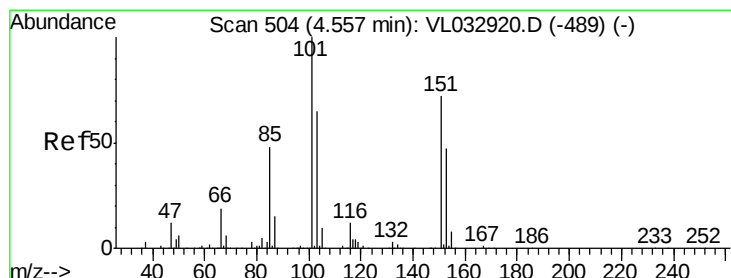
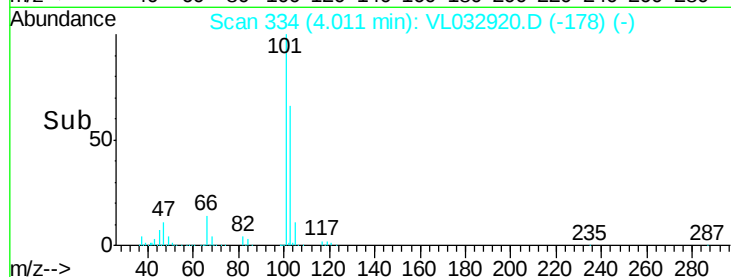
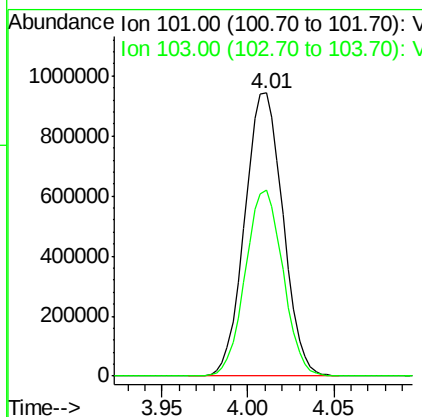
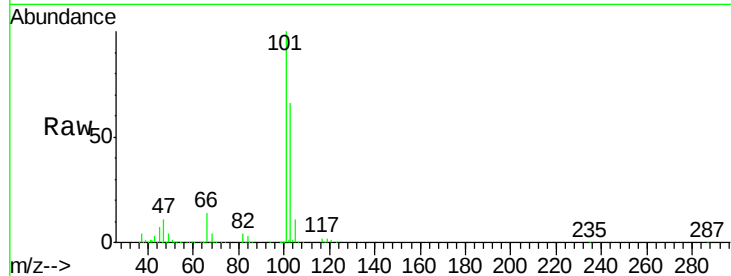
#11
 Trichlorofluoromethane
 Concen: 8.734 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:101 Resp: 1454979
 Ion Ratio Lower Upper
 101 100
 103 65.9 52.7 79.1

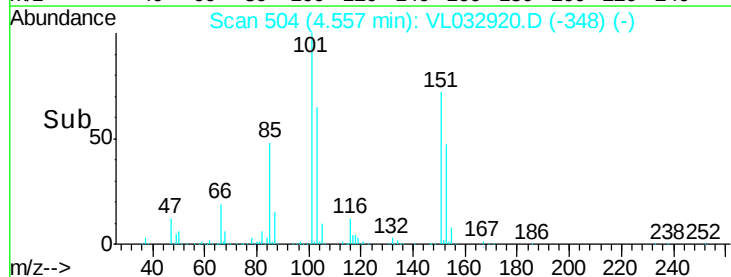
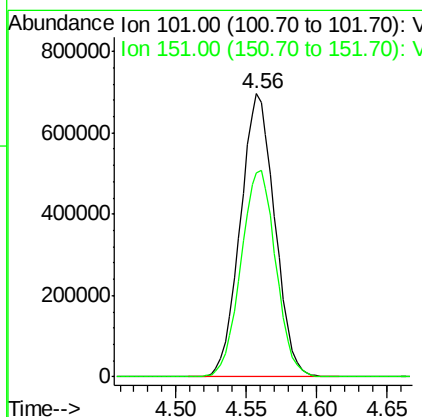
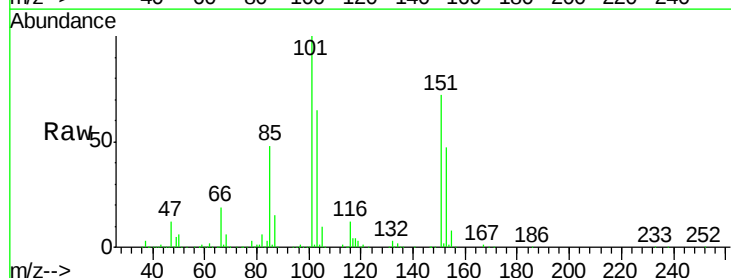
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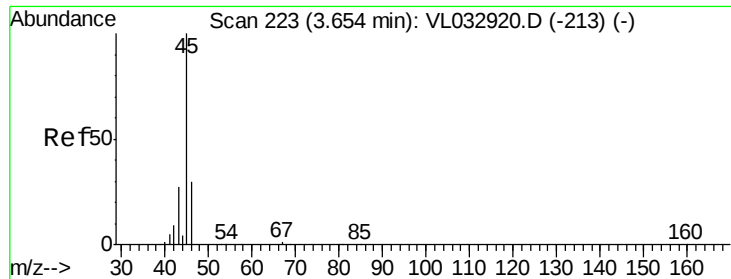
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.414 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Tgt Ion:101 Resp: 1192080
 Ion Ratio Lower Upper
 101 100
 151 74.1 59.3 88.9





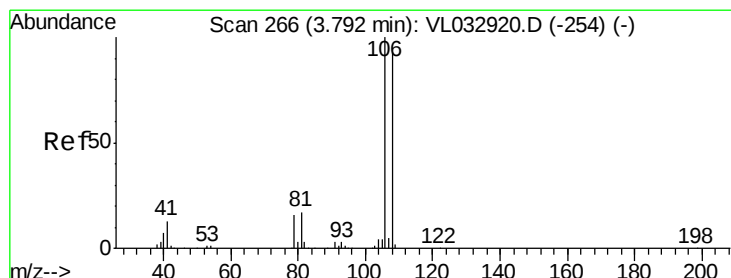
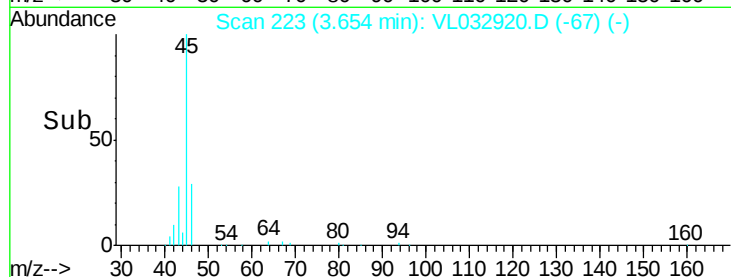
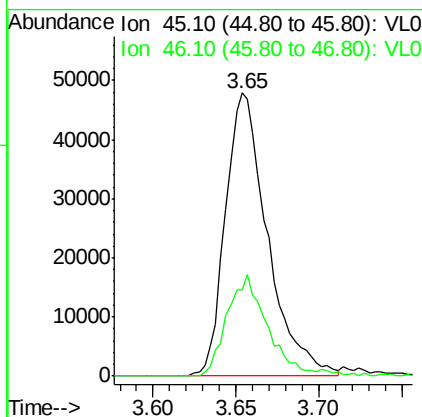
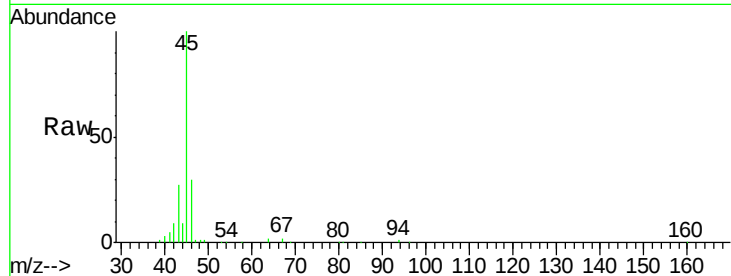
#13
Ethanol
Concen: 6.523 ppbv
RT: 3.65 min Scan# 223
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 45 Resp: 84593
Ion Ratio Lower Upper
45 100
46 35.0 13.8 55.4

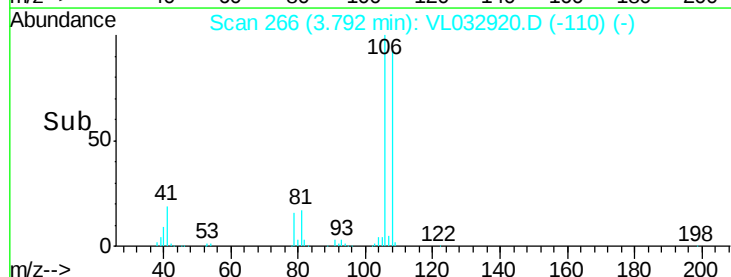
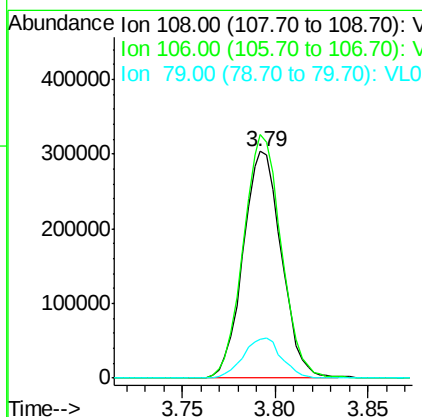
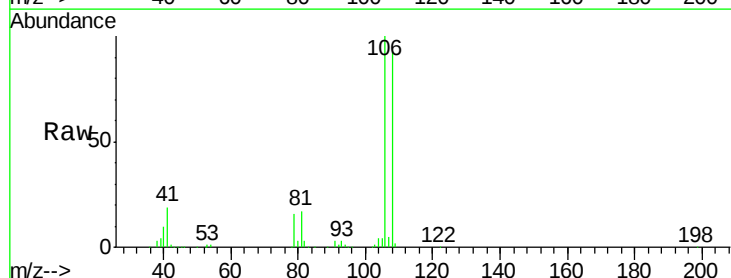
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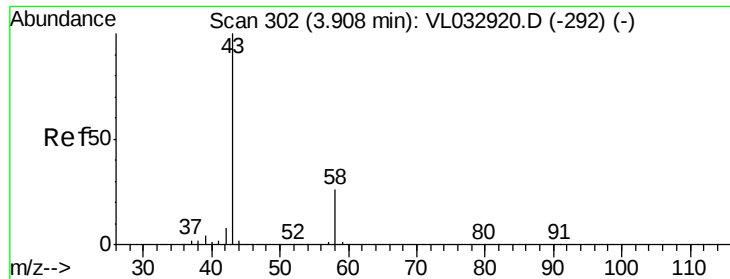
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#14
Bromoethene
Concen: 9.387 ppbv
RT: 3.79 min Scan# 266
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion: 108 Resp: 435075
Ion Ratio Lower Upper
108 100
106 106.8 85.4 128.2
79 18.0 14.6 21.8





#15

Acetone

Concen: 8.143 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 891713

Ion Ratio Lower Upper

43 100

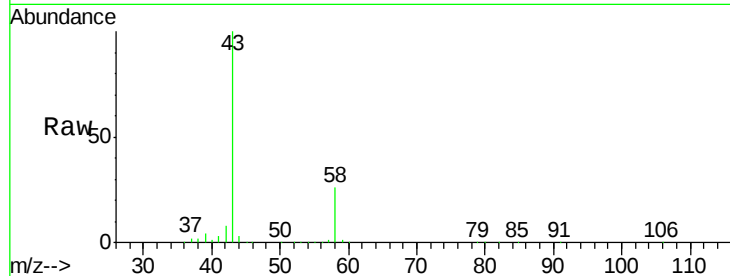
58 25.7 20.6 30.8

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.91

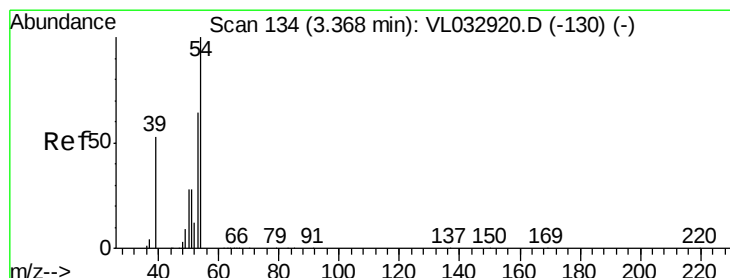
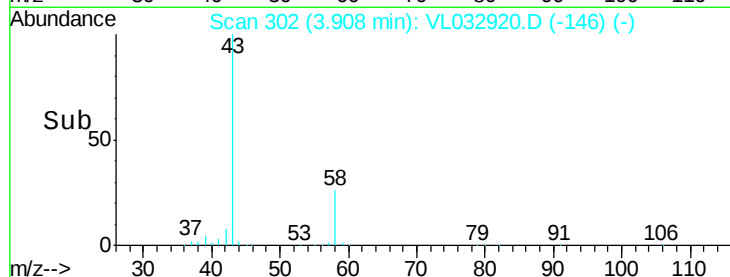
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 9.344 ppbv

RT: 3.37 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL032920.D

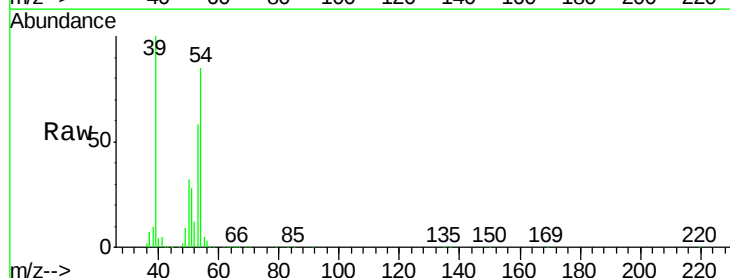
Acq: 7 Dec 2018 3:39

Tgt Ion: 39 Resp: 408461

Ion Ratio Lower Upper

39 100

54 90.9 72.7 109.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.37

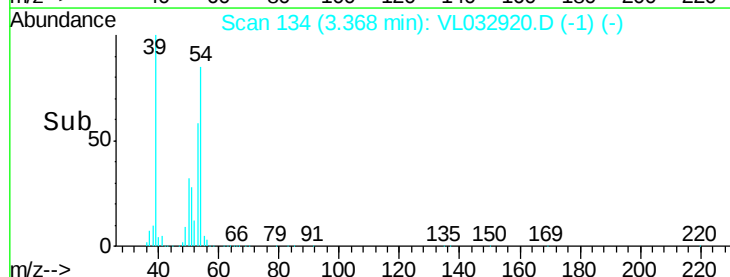
300000

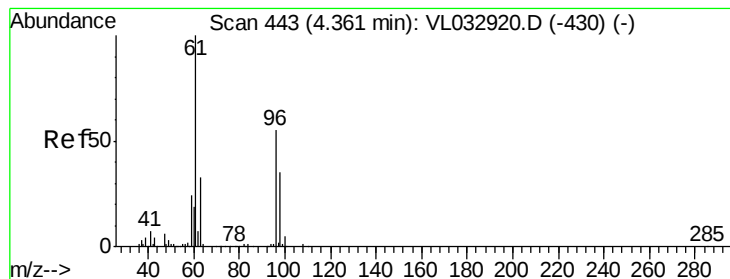
200000

100000

0

Time-->





#17

tert-Butyl alcohol

Concen: 8.665 ppbv

RT: 4.36 min Scan# 443

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 59 Resp: 263534

Ion Ratio Lower Upper

59 100

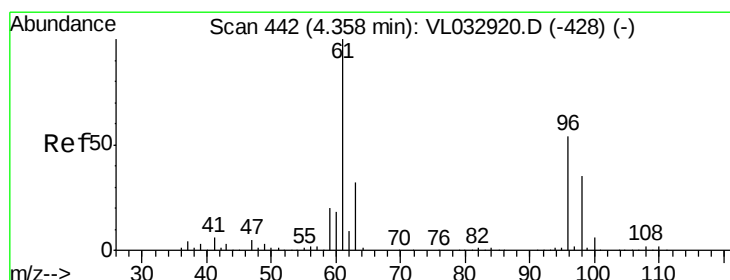
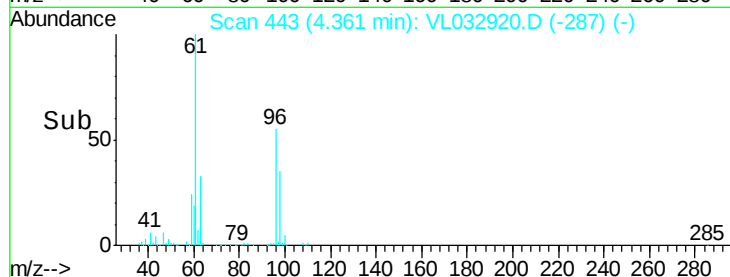
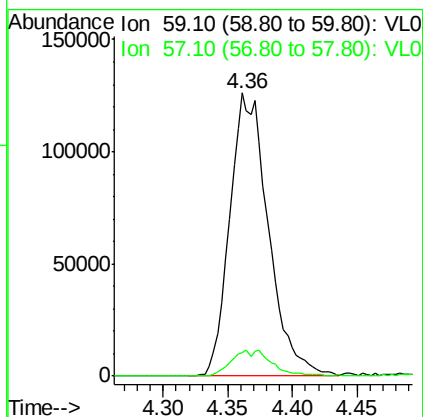
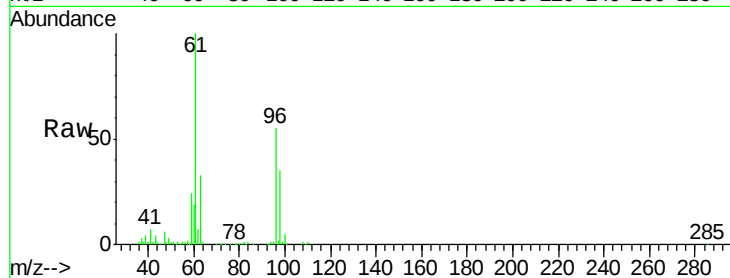
57 0.0 0.6 1.0#

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#18

1,1-Dichloroethene

Concen: 8.487 ppbv

RT: 4.36 min Scan# 442

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

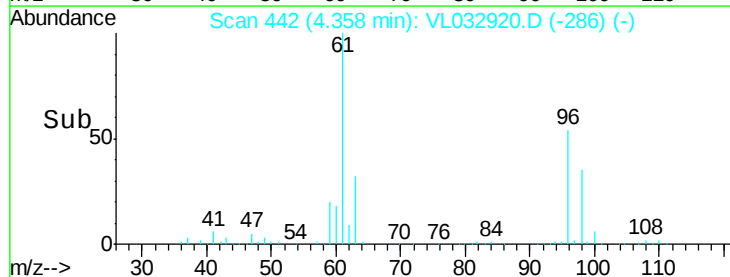
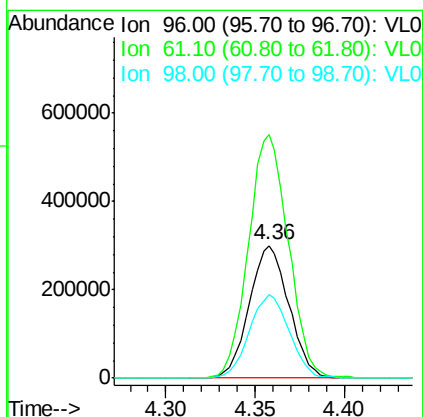
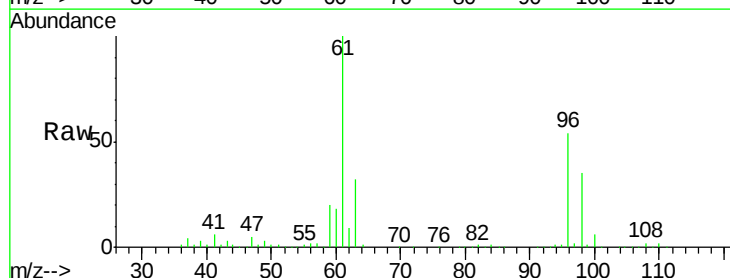
Tgt Ion: 96 Resp: 466871

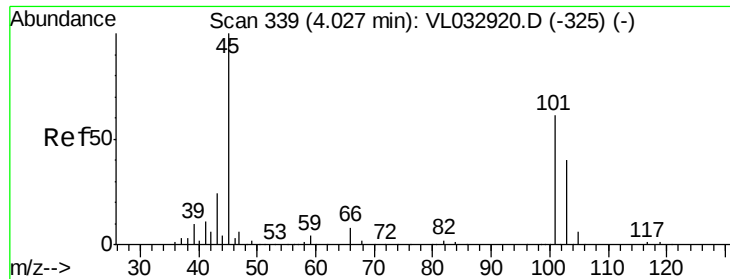
Ion Ratio Lower Upper

96 100

61 183.7 147.0 220.4

98 63.4 50.7 76.1





#19

Isopropyl Alcohol

Concen: 7.816 ppbv

RT: 4.03 min Scan# 339

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 45 Resp: 619049

Ion Ratio Lower Upper

45 100

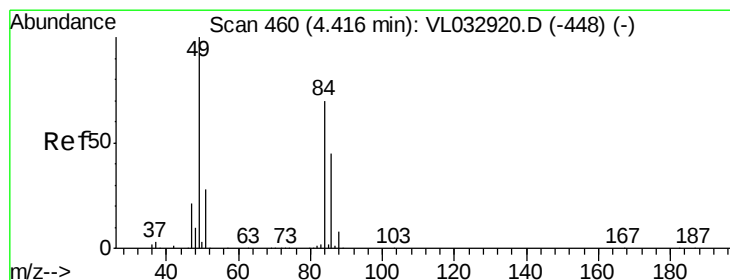
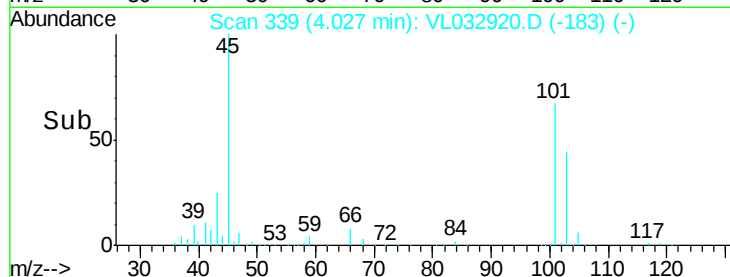
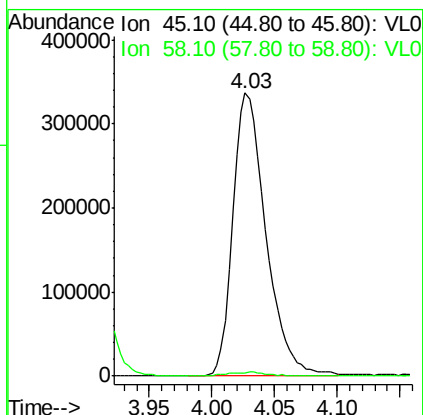
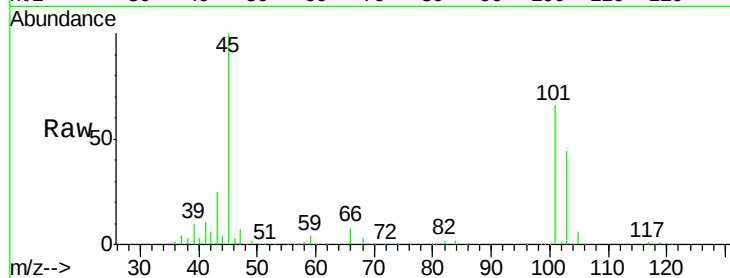
58 1.9 1.4 2.2

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#20

Methylene Chloride

Concen: 7.574 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Tgt Ion: 84 Resp: 466128

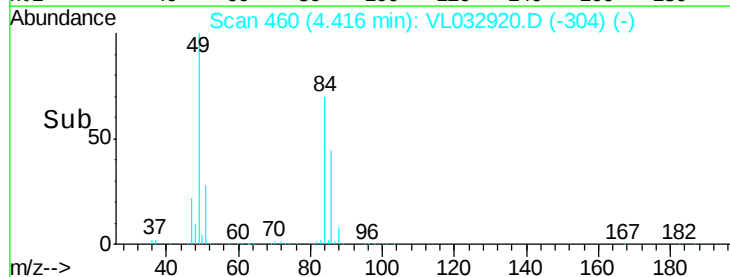
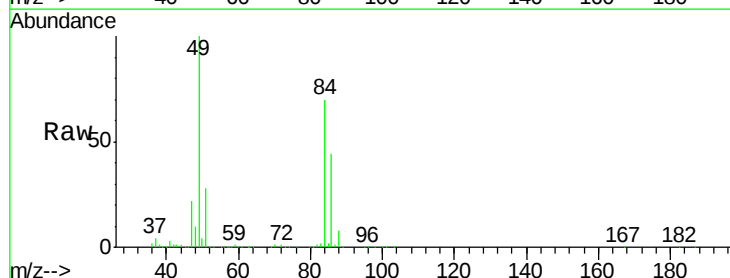
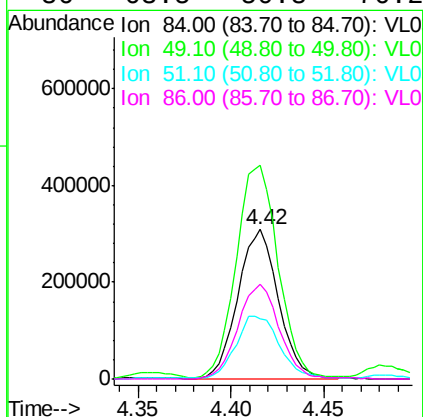
Ion Ratio Lower Upper

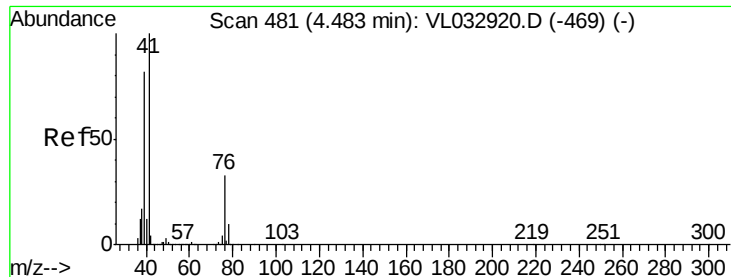
84 100

49 142.3 113.8 170.8

51 39.8 31.8 47.8

86 63.5 50.8 76.2





#21

Allyl Chloride

Concen: 10.493 ppbv

RT: 4.48 min Scan# 481

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Instrument :

MSVOA_L

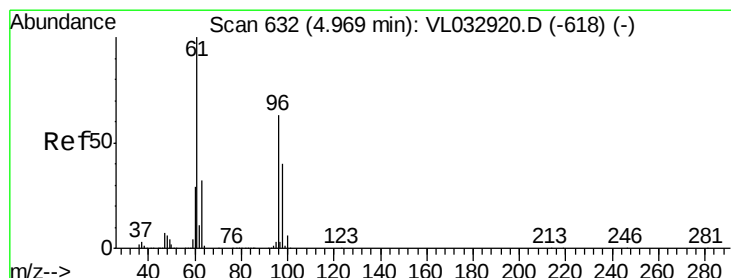
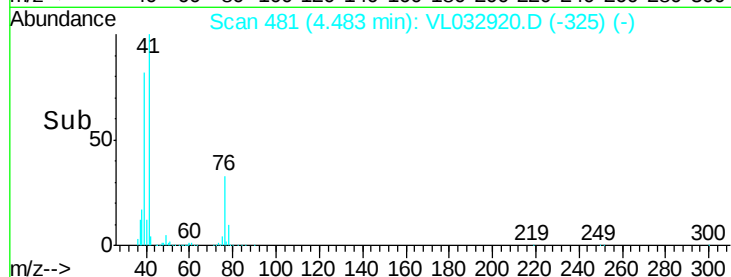
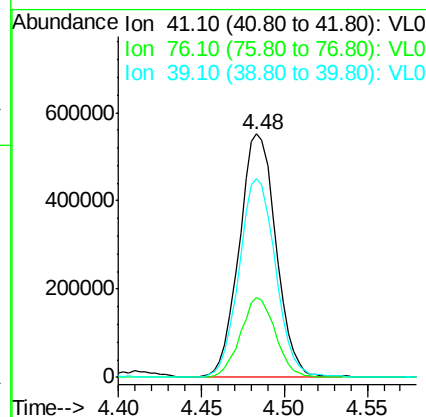
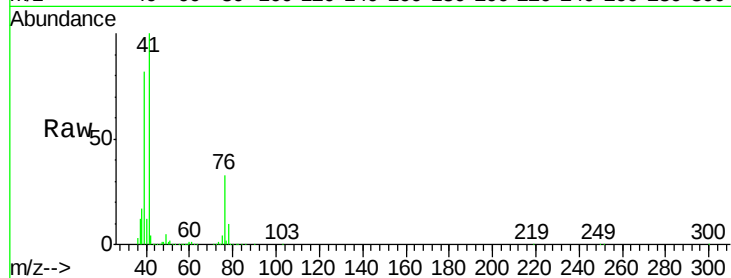
ClientSampleId :

VSTDICCC010

Tgt Ion:	41	Resp:	847489
Ion Ratio	Lower	Upper	
41	100		
76	31.5	25.2	37.8
39	81.2	65.2	97.8

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#22

trans-1,2-Dichloroethene

Concen: 8.616 ppbv

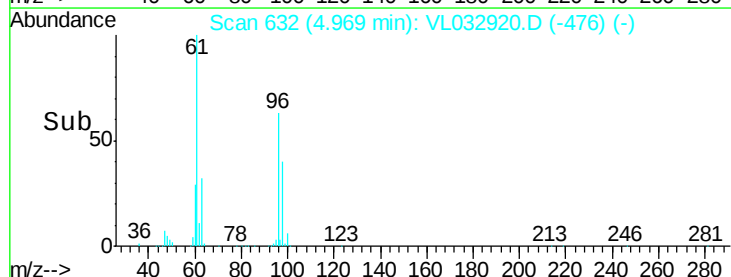
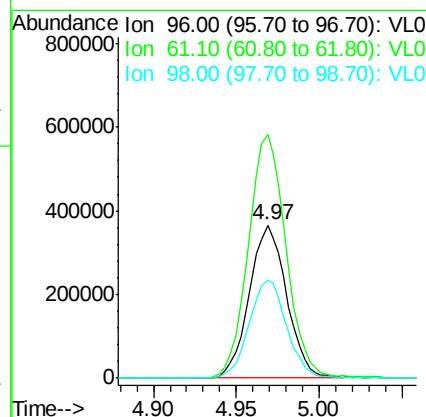
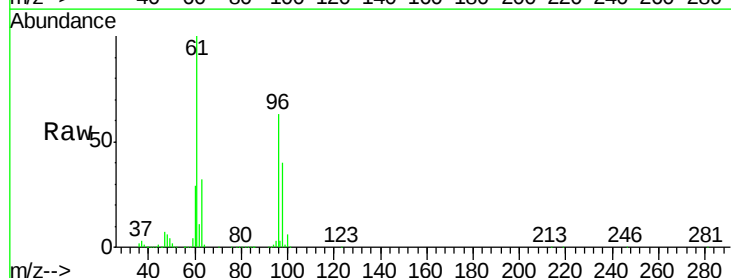
RT: 4.97 min Scan# 632

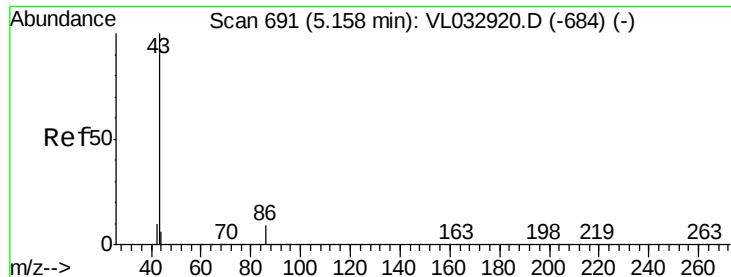
Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Tgt Ion:	96	Resp:	572482
Ion Ratio	Lower	Upper	
96	100		
61	158.9	127.1	190.7
98	64.1	51.3	76.9





#23

Vinyl Acetate

Concen: 8.351 ppbv

RT: 5.16 min Scan# 691

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 43 Resp: 1723497

Ion Ratio Lower Upper

43 100

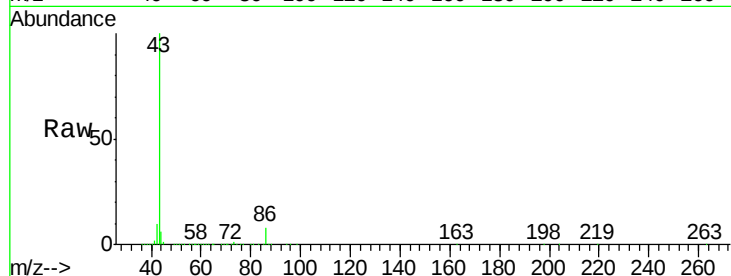
86 8.2 6.6 9.8

42 10.4 8.3 12.5

44 5.3 4.2 6.4

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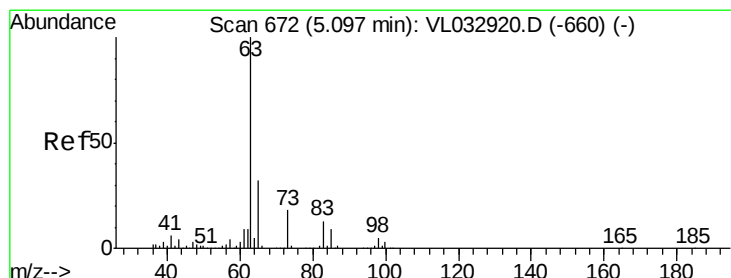
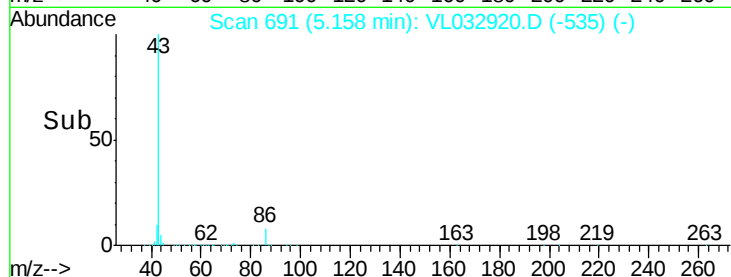
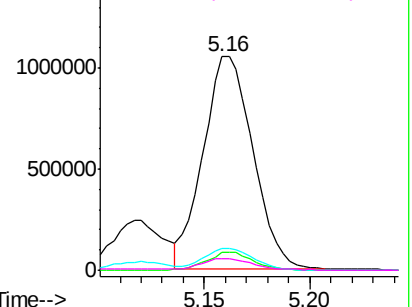


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 8.614 ppbv

RT: 5.10 min Scan# 672

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

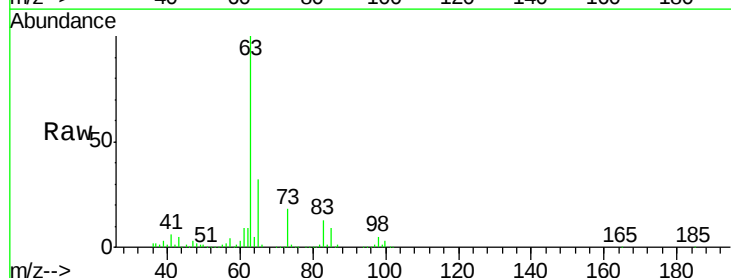
Tgt Ion: 63 Resp: 1368077

Ion Ratio Lower Upper

63 100

98 5.0 2.5 7.5

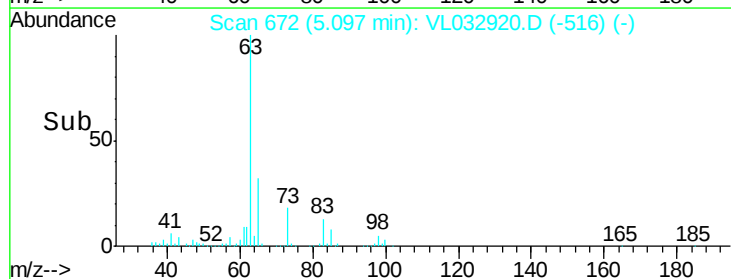
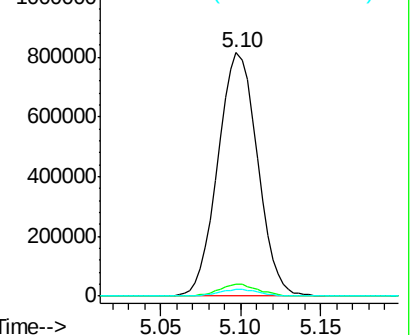
100 2.8 1.4 4.2

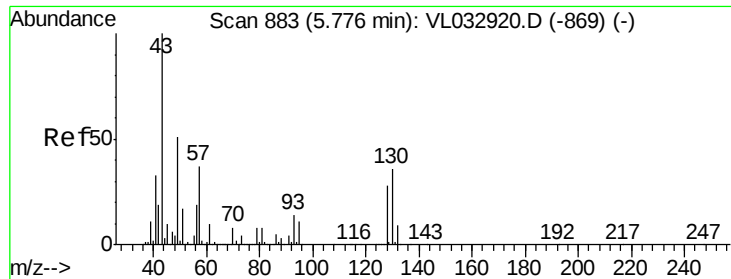


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





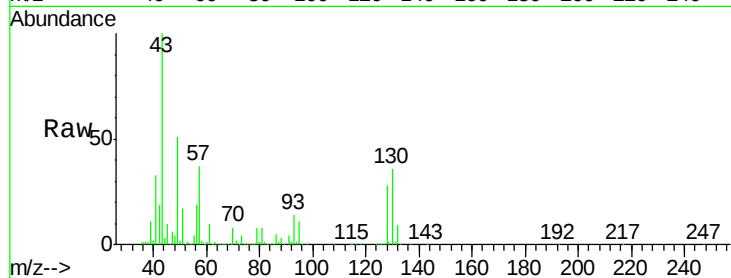
#25
Ethyl Acetate
Concen: 9.477 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

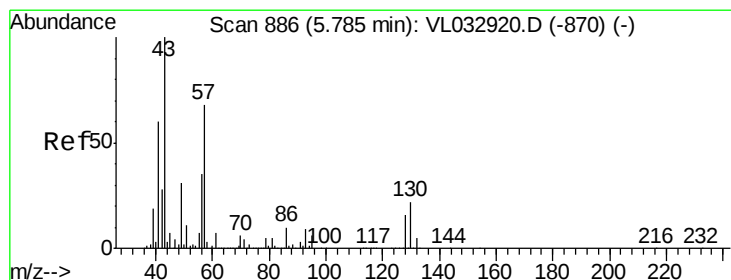
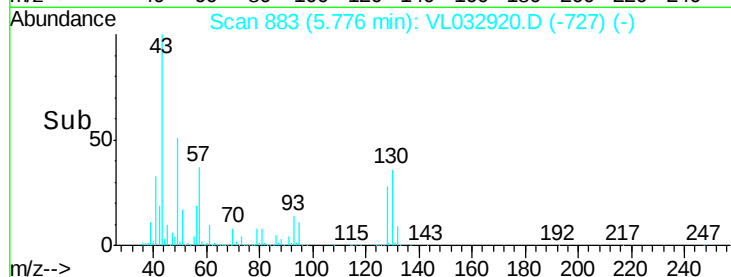
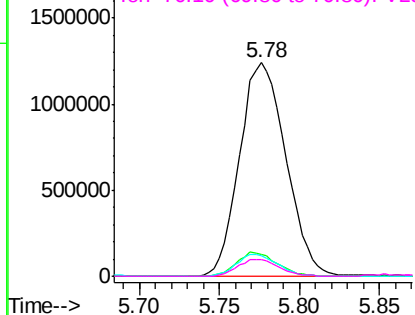
Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.7	7.8	11.6
61	9.3	7.4	11.2
70	7.1	5.7	8.5

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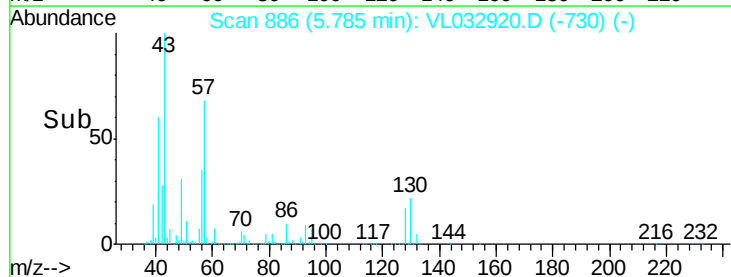
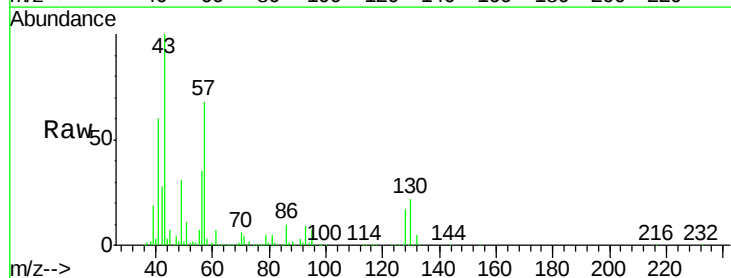
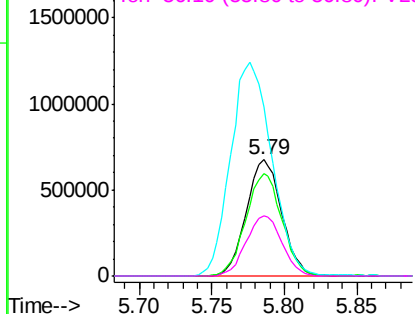
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

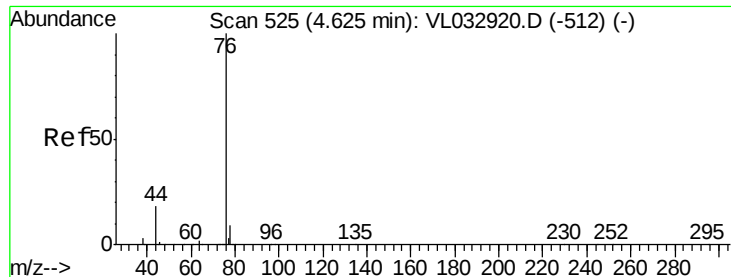


#26
Hexane
Concen: 9.455 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.2	72.2	108.2
43	214.9	171.9	257.9
56	52.7	42.2	63.2

Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0





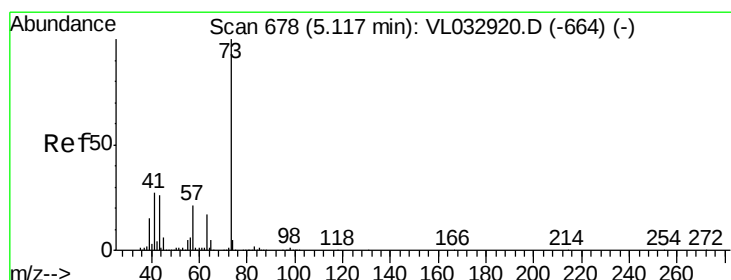
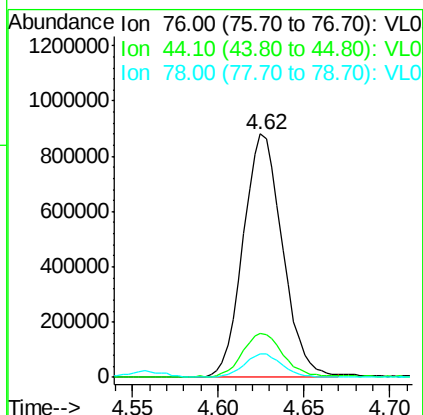
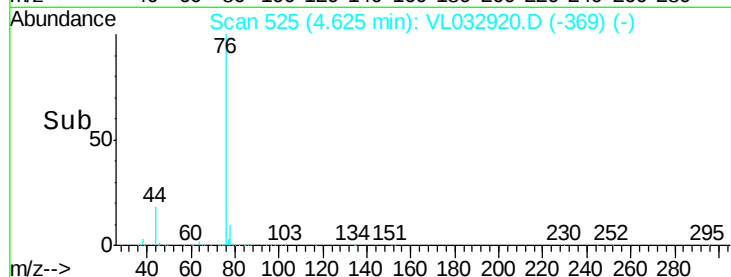
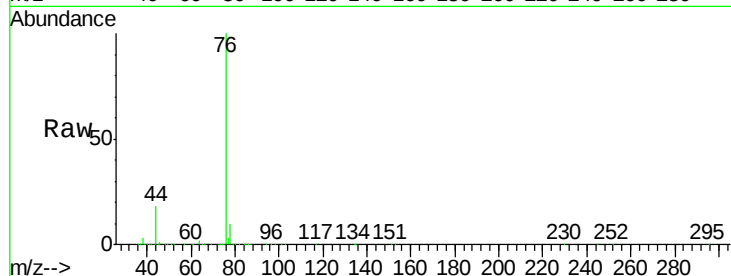
#27
Carbon Disulfide
Concen: 9.129 ppbv
RT: 4.62 min Scan# 525
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 76 Resp: 1400787
Ion Ratio Lower Upper
76 100
44 18.6 14.7 22.1
78 9.6 7.4 11.2

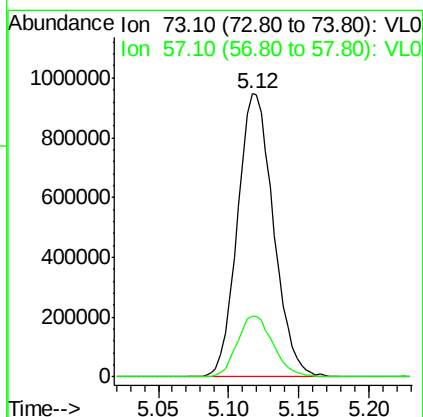
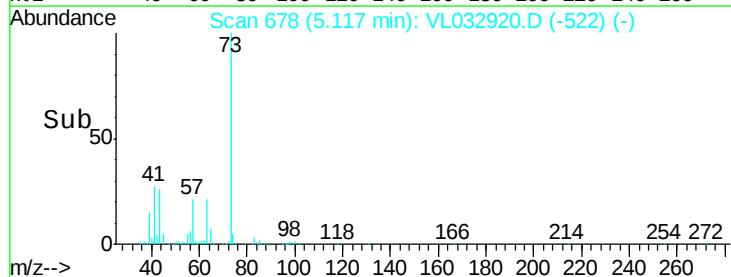
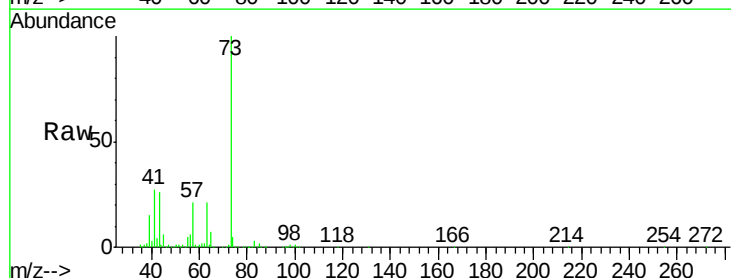
Manual Integrations
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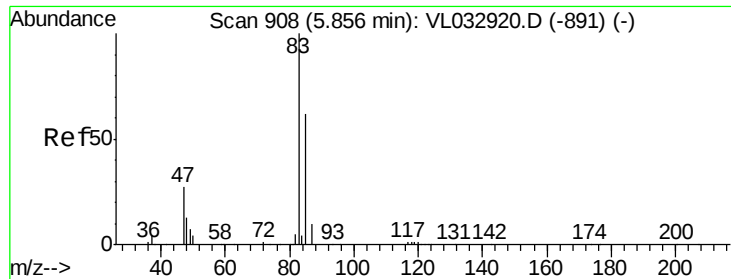
MMDadoda
12/11/2018 10:07:54 AM



#28
Methyl tert-Butyl Ether
Concen: 8.709 ppbv
RT: 5.12 min Scan# 678
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion: 73 Resp: 1692954
Ion Ratio Lower Upper
73 100
57 21.7 17.4 26.0





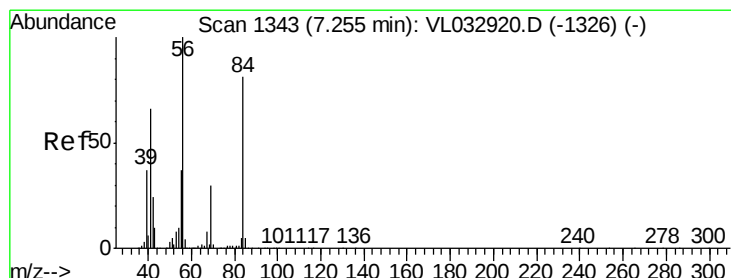
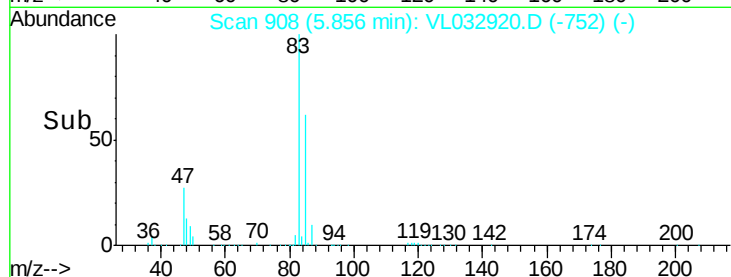
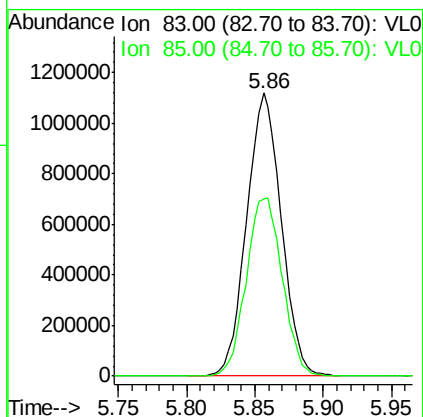
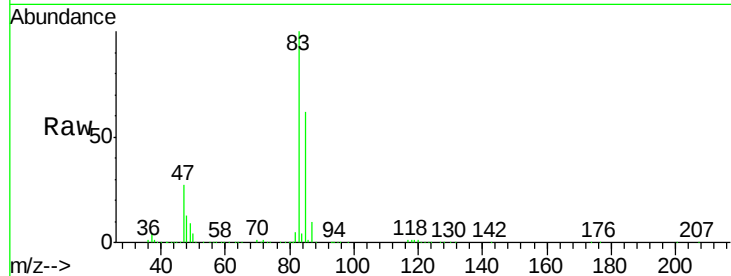
#29
Chloroform
Concen: 9.797 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 83 Resp: 1973937
Ion Ratio Lower Upper
83 100
85 62.3 49.8 74.8

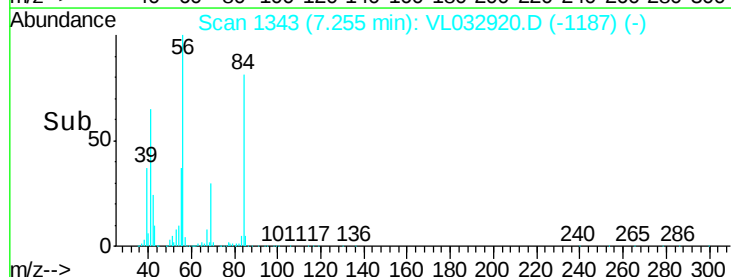
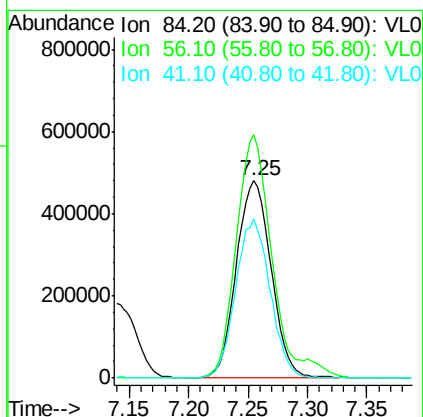
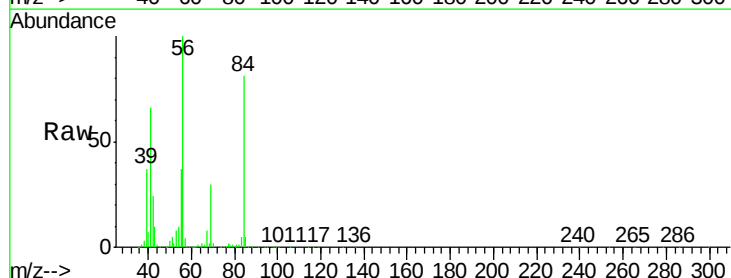
Manual Integrations
APPROVED

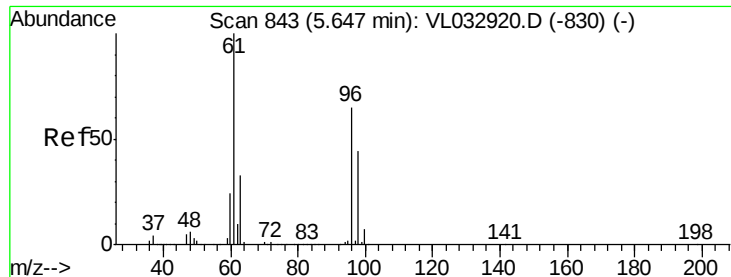
MMDadoda
12/11/2018 10:07:54 AM



#30
Cyclohexane
Concen: 9.808 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion: 84 Resp: 971489
Ion Ratio Lower Upper
84 100
56 128.2 102.5 153.7
41 80.1 64.1 96.1





#31

cis-1,2-Dichloroethene

Concen: 9.684 ppbv

RT: 5.65 min Scan# 843

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 61 Resp: 1068934

Ion Ratio Lower Upper

61 100

96 64.9 51.9 77.9

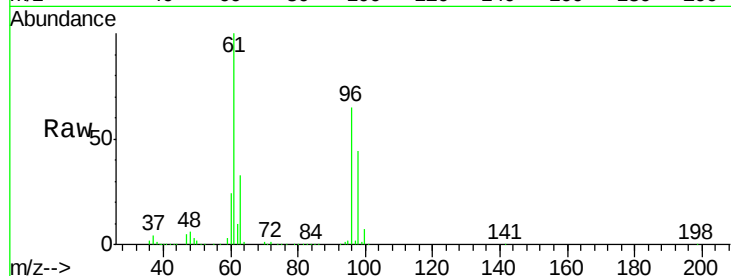
98 43.7 35.0 52.4

Manual Integrations

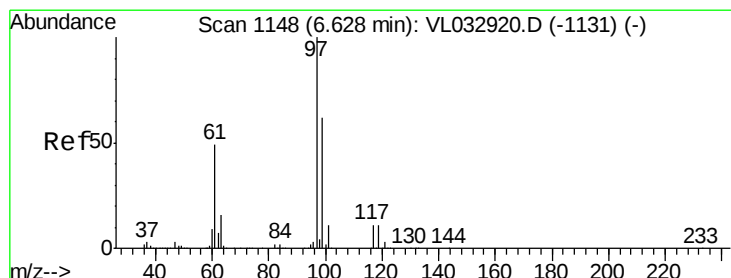
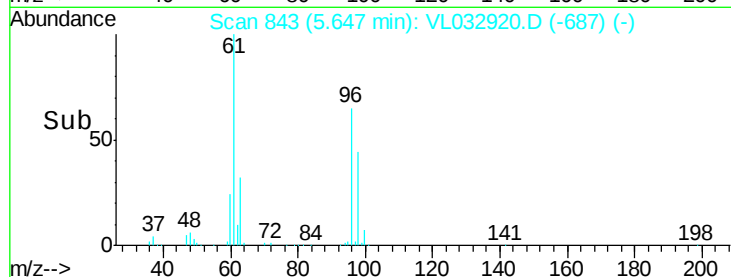
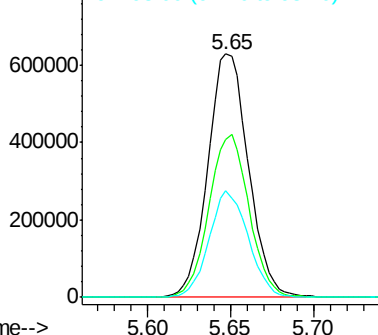
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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.052 ppbv

RT: 6.63 min Scan# 1148

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

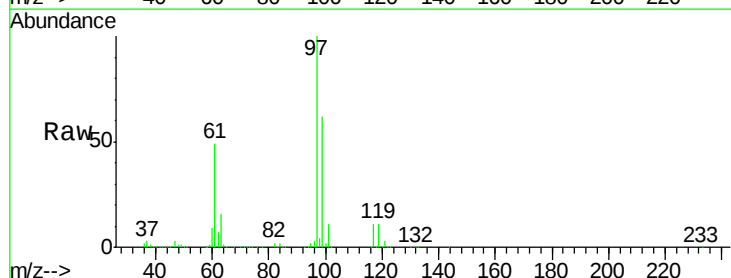
Tgt Ion: 97 Resp: 2041518

Ion Ratio Lower Upper

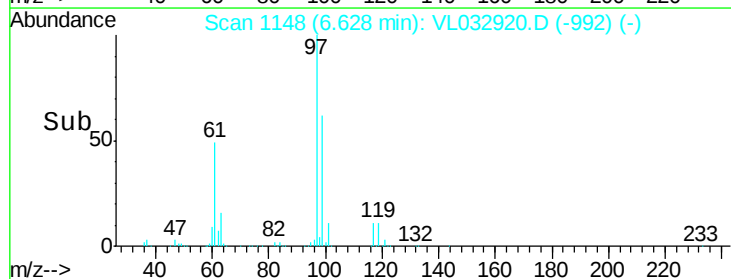
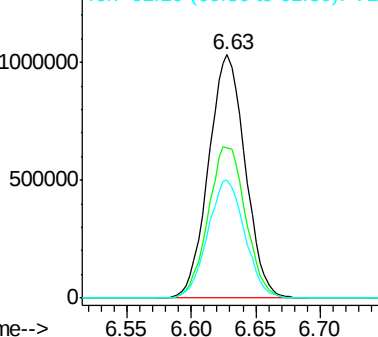
97 100

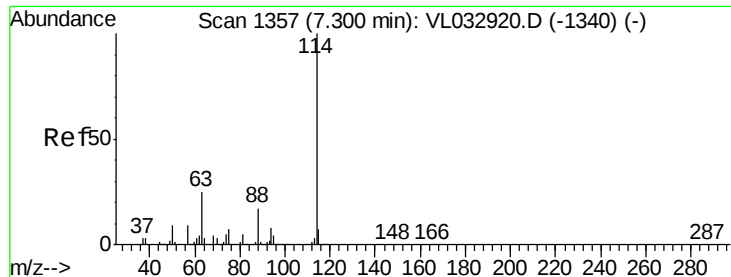
99 63.9 51.1 76.7

61 49.1 39.3 58.9



Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





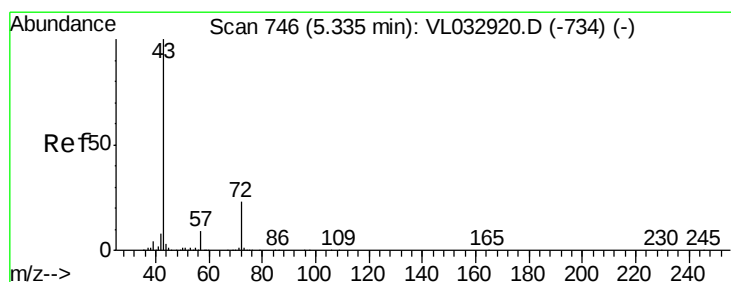
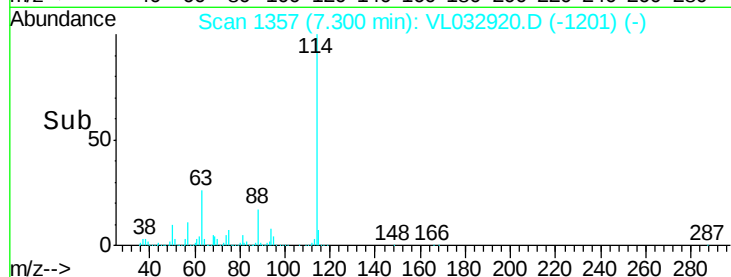
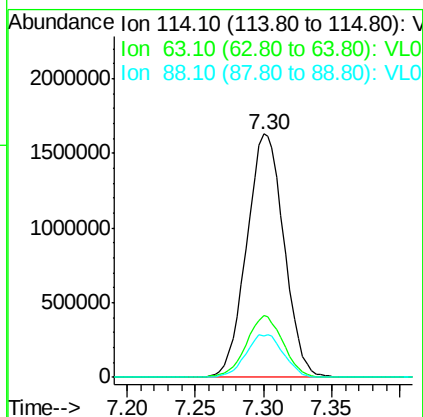
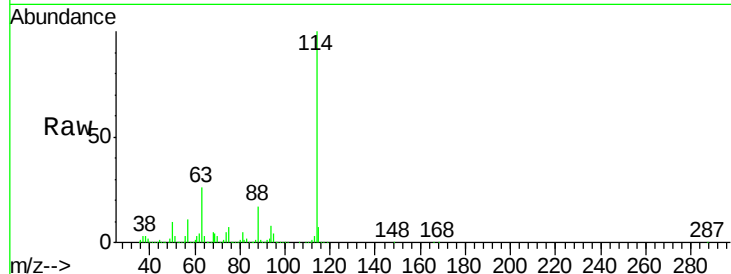
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 114 Resp: 3093931
 Ion Ratio Lower Upper
 114 100
 63 25.2 20.1 30.1
 88 17.8 14.2 21.4

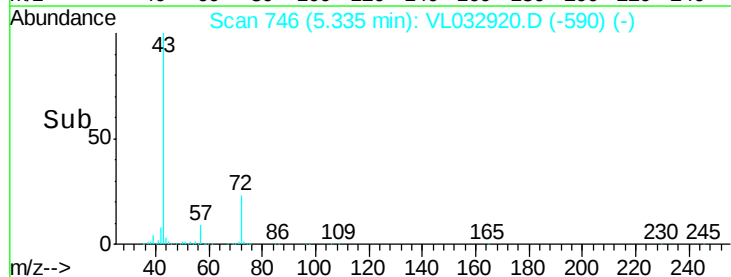
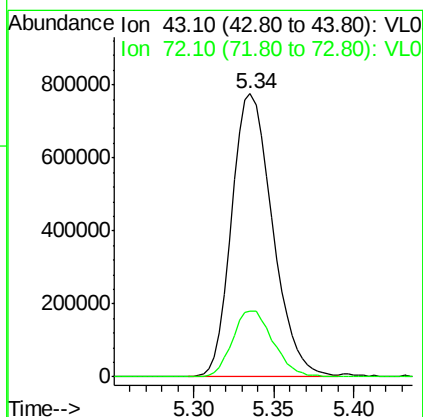
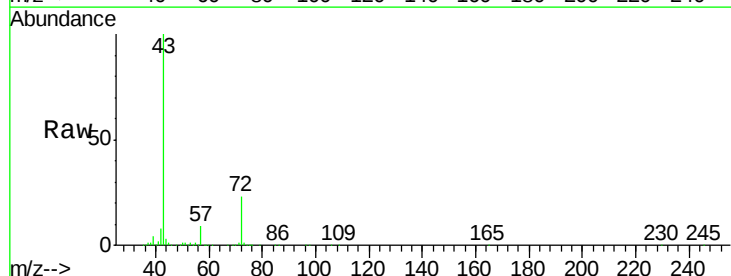
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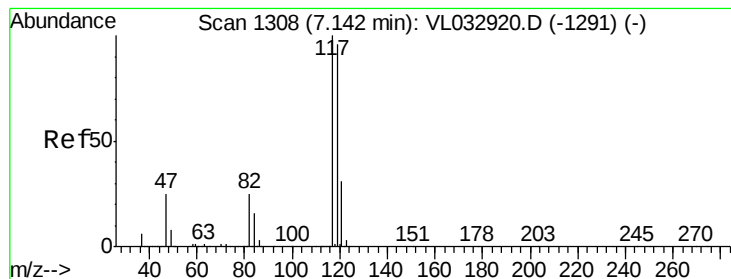
MMDadoda
 12/11/2018 10:07:54 AM



#34
 2-Butanone
 Concen: 8.793 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Tgt Ion: 43 Resp: 1346861
 Ion Ratio Lower Upper
 43 100
 72 23.5 18.8 28.2





#35

Carbon Tetrachloride

Concen: 9.610 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion:117 Resp: 2211230

Ion Ratio Lower Upper

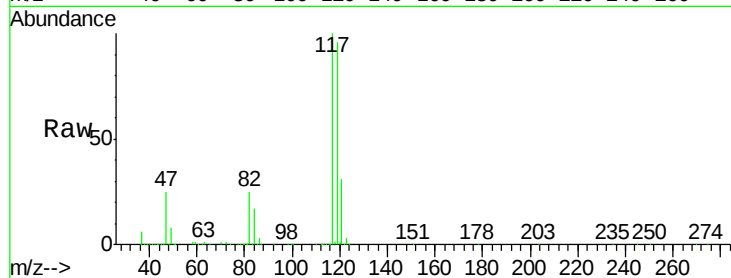
117 100

119 95.6 76.5 114.7

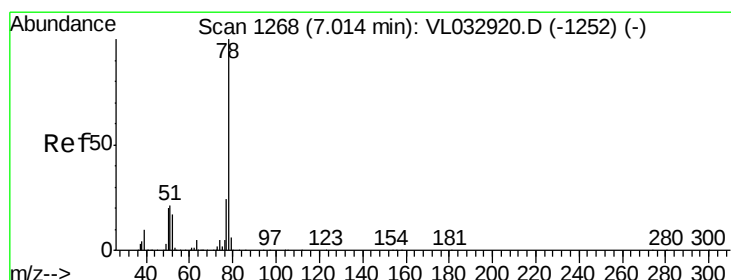
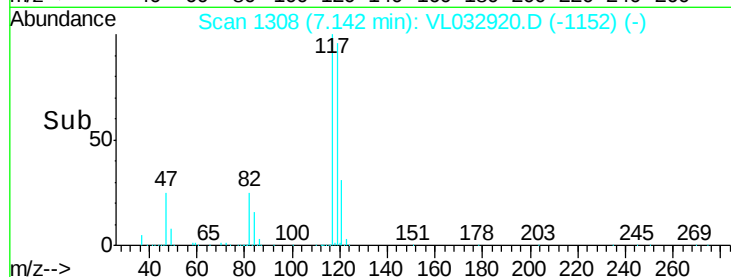
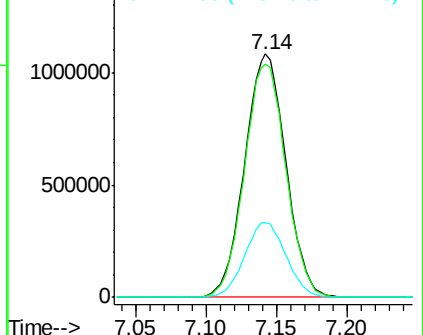
121 30.6 24.5 36.7

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.470 ppbv

RT: 7.01 min Scan# 1268

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

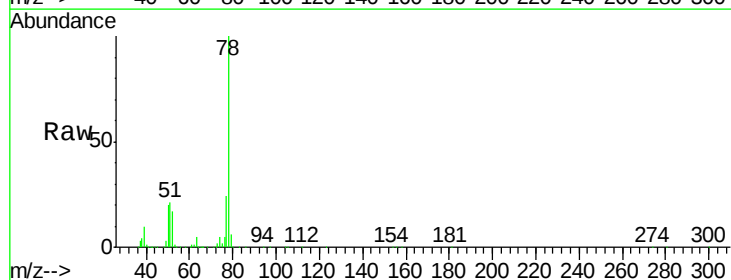
Tgt Ion: 78 Resp: 2295189

Ion Ratio Lower Upper

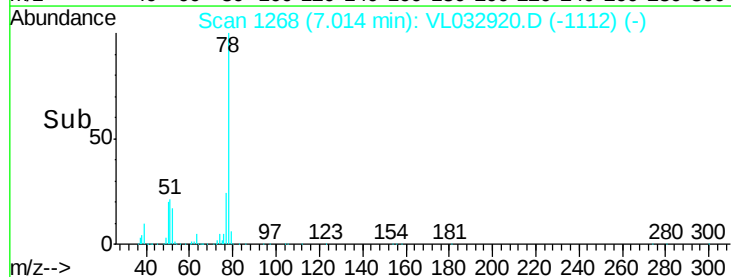
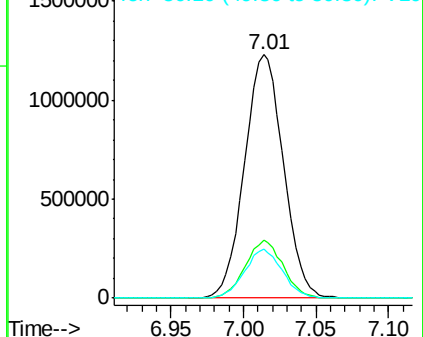
78 100

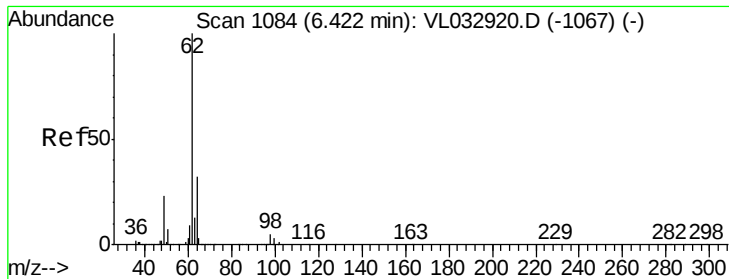
77 23.6 18.9 28.3

50 20.1 16.1 24.1



Abundance Ion 78.10 (77.80 to 78.80): VL0
Ion 77.10 (76.80 to 77.80): VL0
Ion 50.10 (49.80 to 50.80): VL0





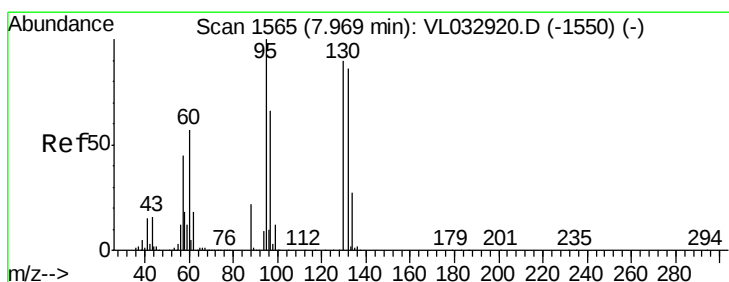
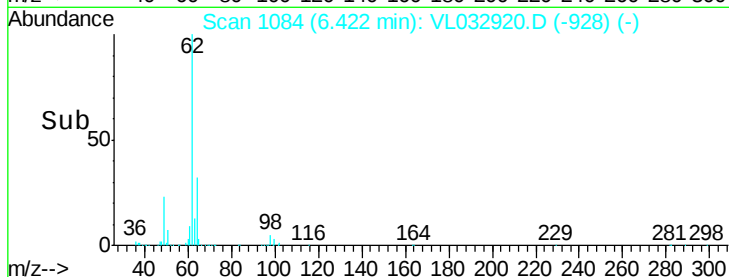
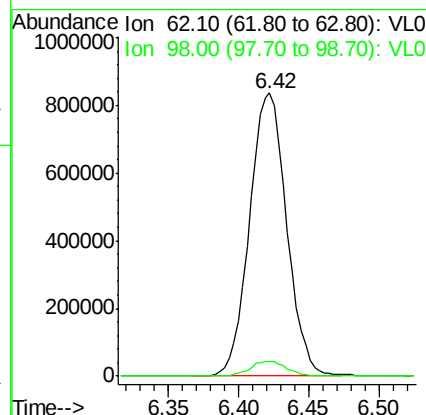
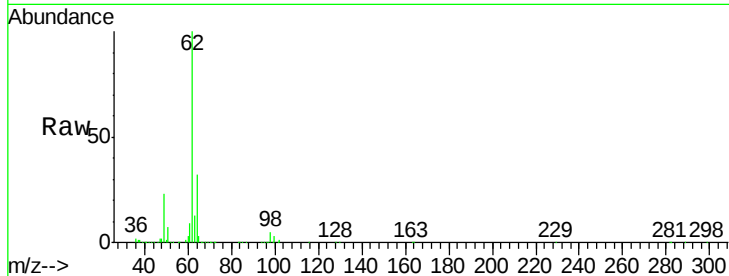
#37
 1,2-Dichloroethane
 Concen: 9.868 ppbv
 RT: 6.42 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 62 Resp: 1537903
 Ion Ratio Lower Upper
 62 100
 98 5.4 4.3 6.5

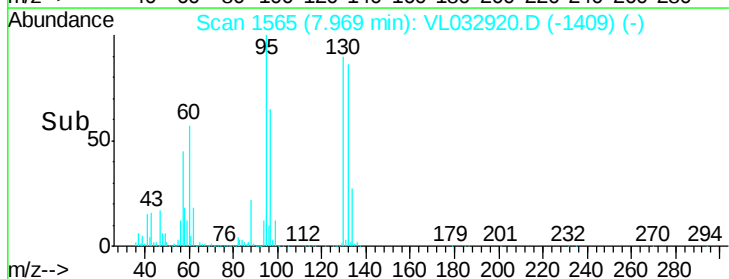
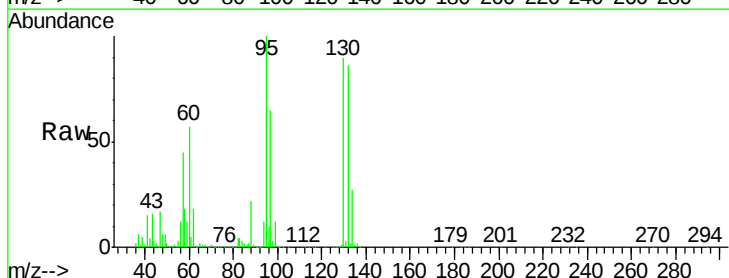
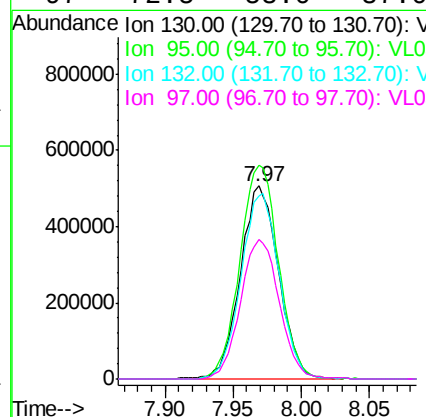
Manual Integrations
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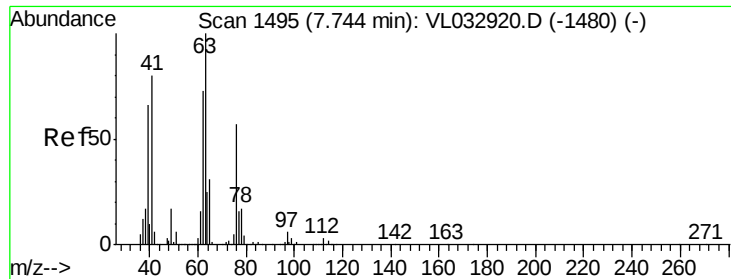
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 12/11/2018 10:07:54 AM



#38
 Trichloroethene
 Concen: 10.136 ppbv
 RT: 7.97 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Tgt Ion: 130 Resp: 978646
 Ion Ratio Lower Upper
 130 100
 95 110.7 88.6 132.8
 132 95.1 76.1 114.1
 97 72.5 58.0 87.0





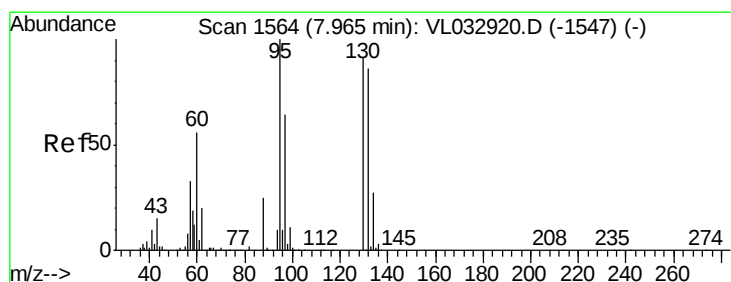
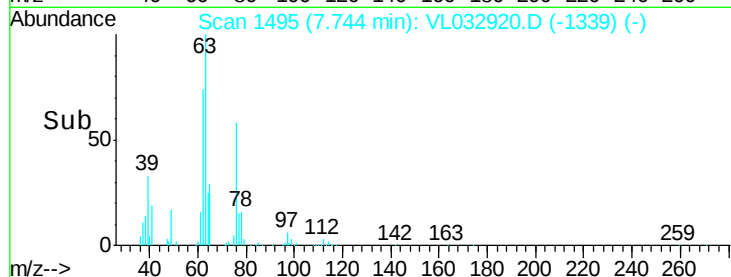
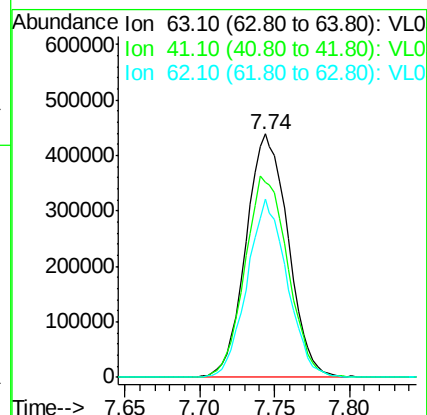
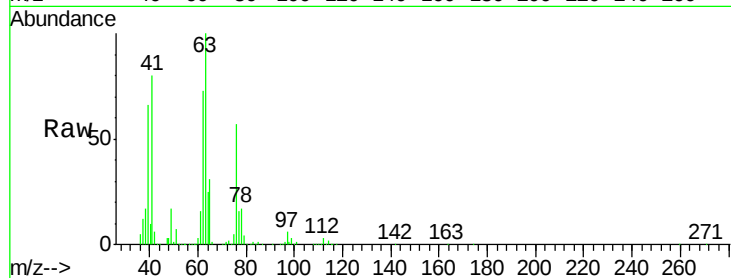
#39
 1,2-Dichloropropane
 Concen: 9.655 ppbv
 RT: 7.74 min Scan# 1495
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
63	100		
41	79.9	63.9	95.9
62	73.5	58.8	88.2

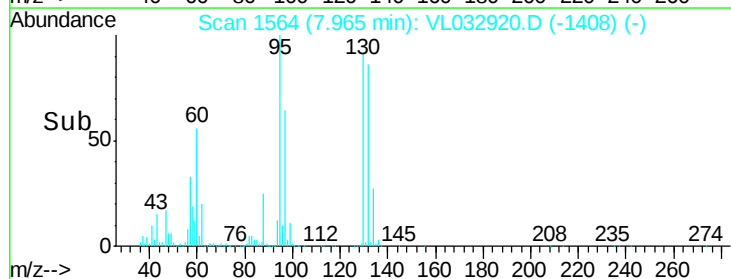
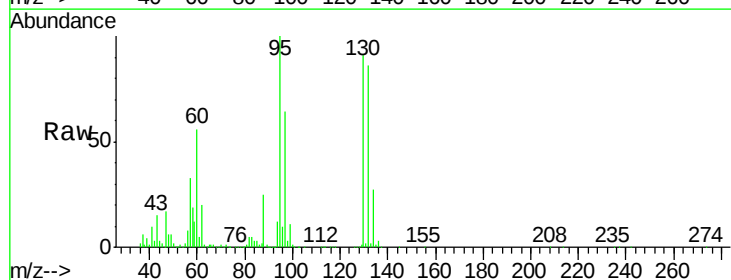
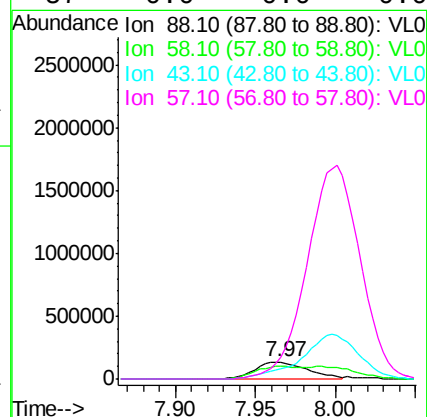
Manual Integrations
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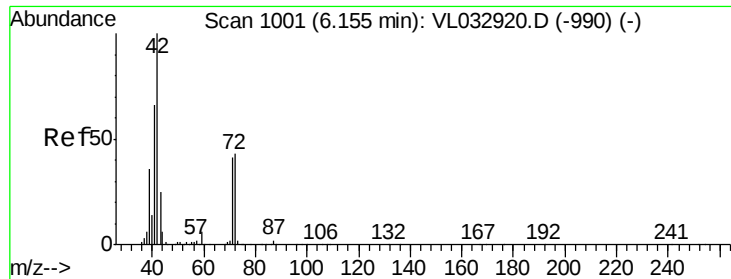
MMDadoda
 12/11/2018 10:07:54 AM



#40
 1,4-Dioxane
 Concen: 9.040 ppbv
 RT: 7.97 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Tgt Ion	Ratio	Lower	Upper
88	100		
58	134.4	107.4	161.2
43	0.0	0.0	0.0
57	0.0	0.0	0.0





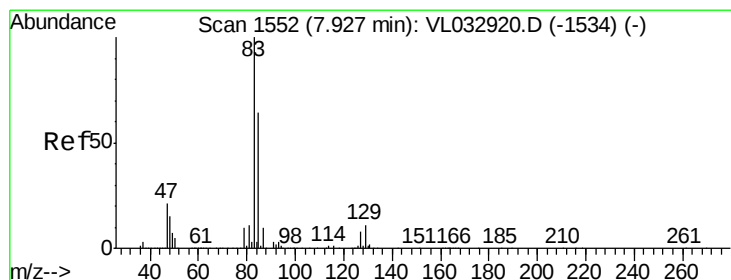
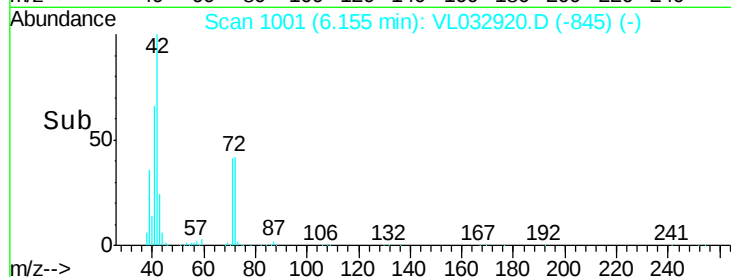
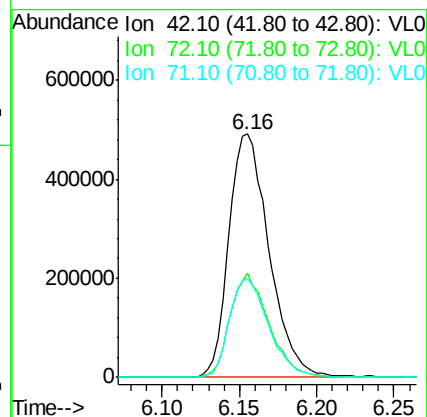
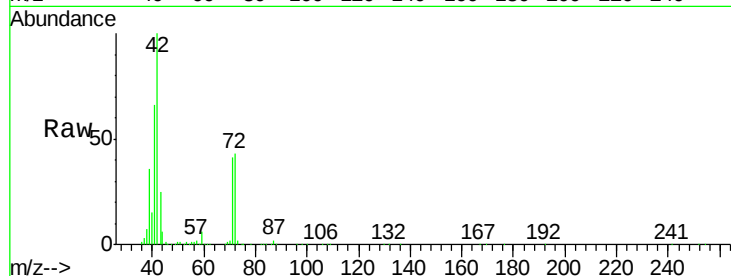
#41
Tetrahydrofuran
Concen: 10.120 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	41.1	32.9	49.3
71	40.0	32.0	48.0

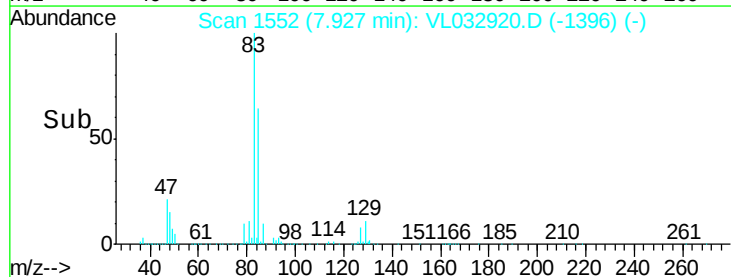
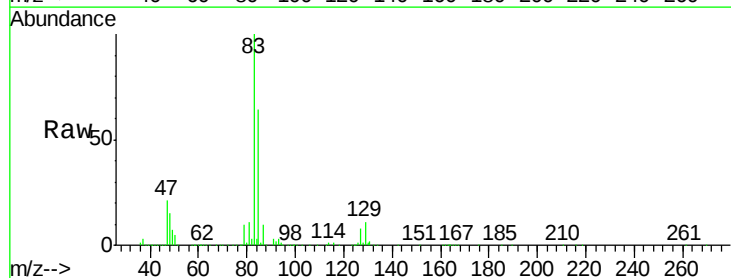
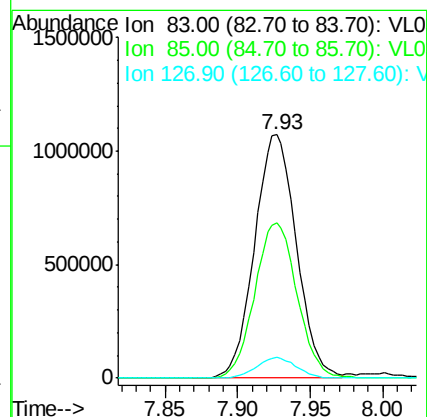
Manual Integrations
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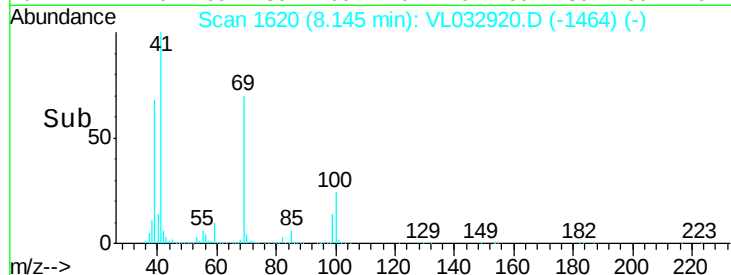
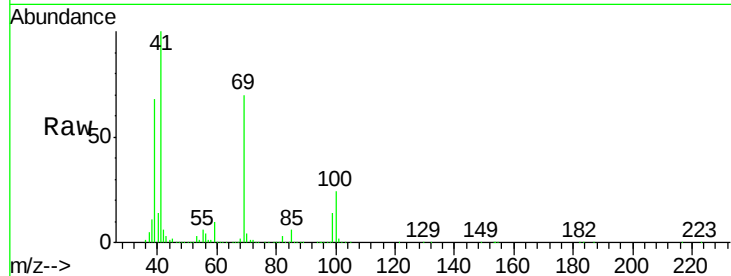
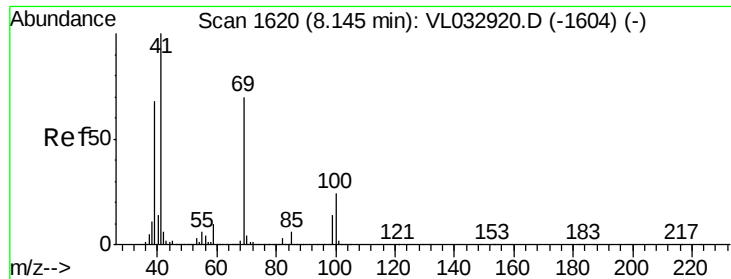
MMDadoda
12/11/2018 10:07:54 AM



#42
Bromodichloromethane
Concen: 9.926 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.6	50.9	76.3
127	8.4	6.7	10.1





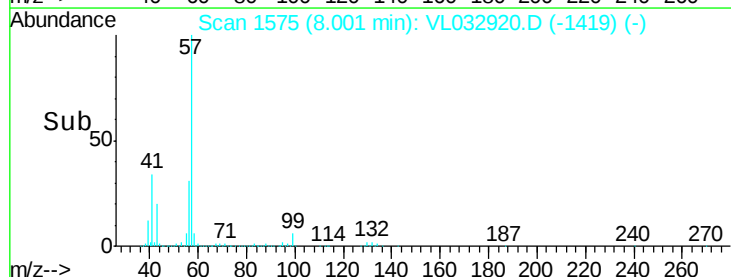
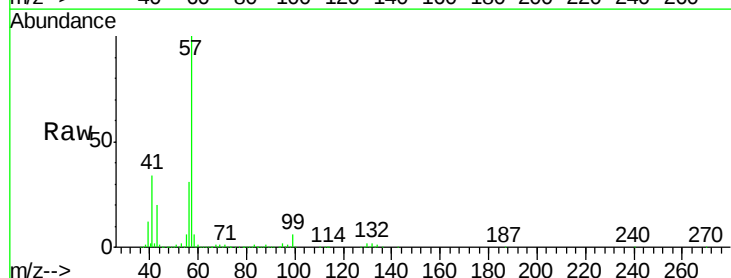
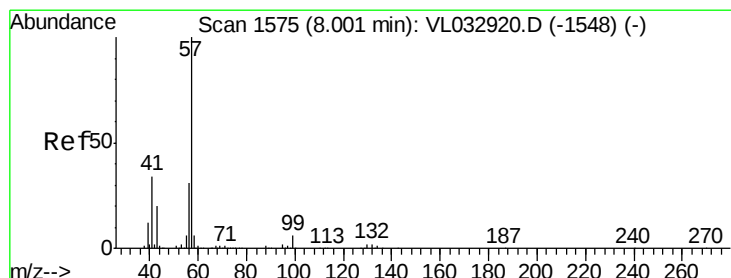
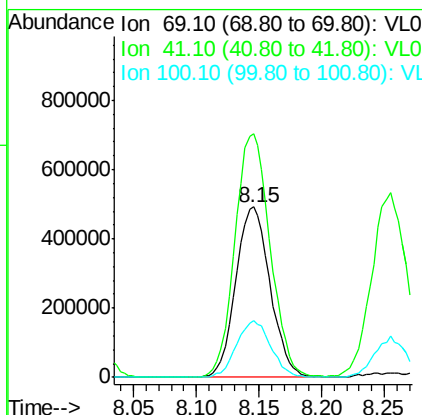
#43
Methyl Methacrylate
Concen: 10.493 ppbv
RT: 8.15 min Scan# 1620
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion: 69 Resp: 940016
Ion Ratio Lower Upper
69 100
41 145.7 116.6 175.0
100 33.2 26.5 39.7

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

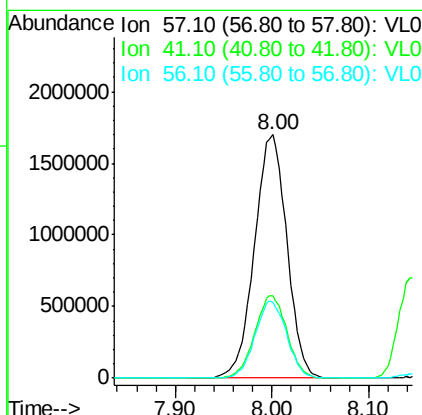
Manual Integrations
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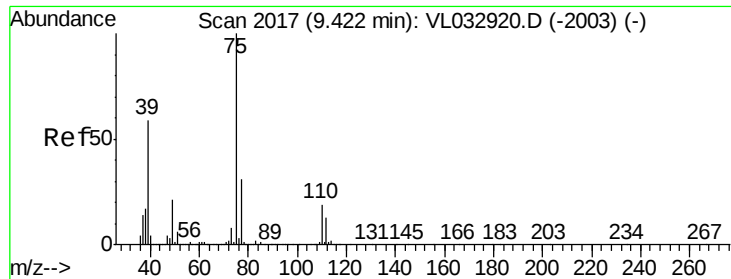
MMDadoda
12/11/2018 10:07:54 AM



#44
2,2,4-Trimethylpentane
Concen: 10.003 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion: 57 Resp: 3955297
Ion Ratio Lower Upper
57 100
41 33.7 27.0 40.4
56 30.8 24.6 37.0





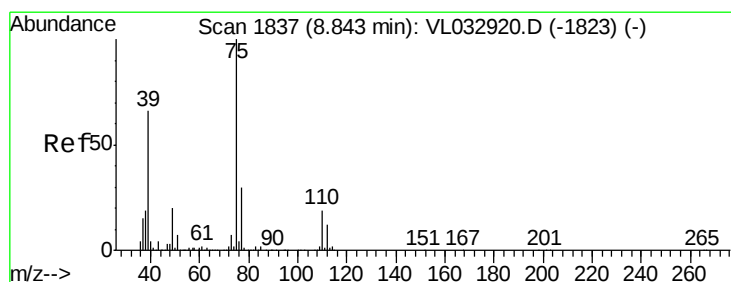
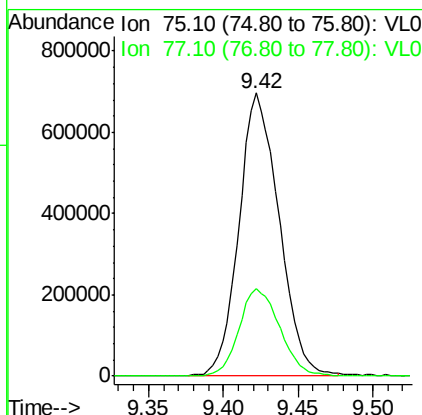
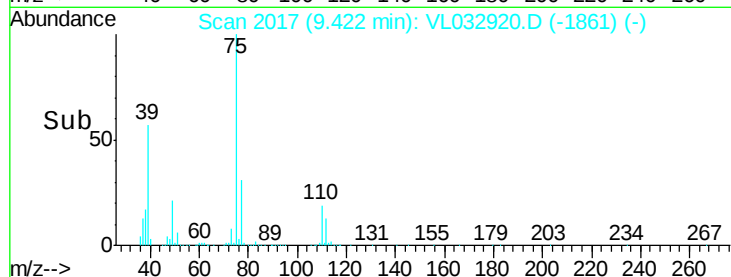
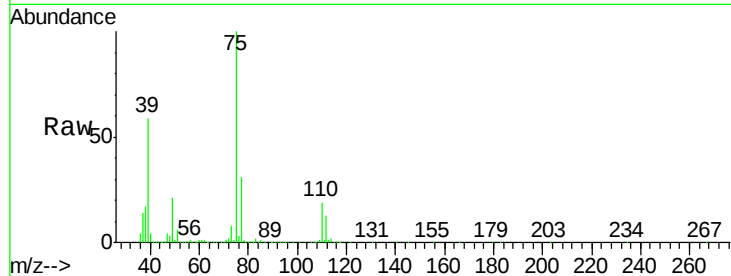
#45
t-1,3-Dichloropropene
Concen: 11.011 ppbv
RT: 9.42 min Scan# 2017
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 75 Resp: 1295831
Ion Ratio Lower Upper
75 100
77 31.0 24.8 37.2

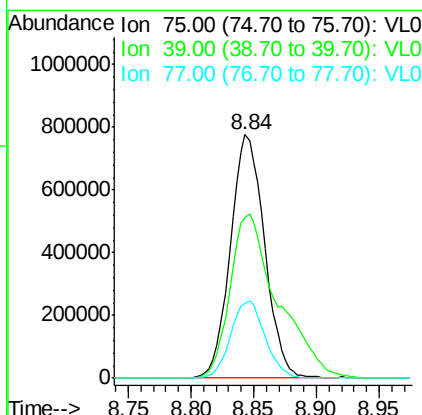
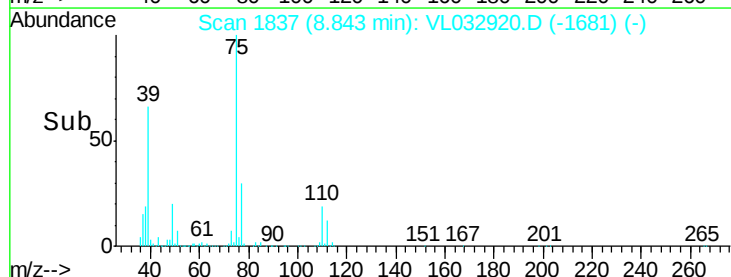
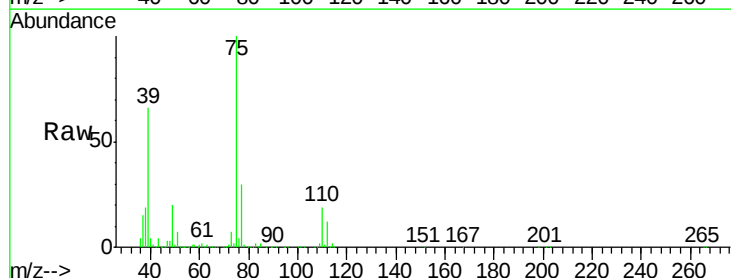
Manual Integrations
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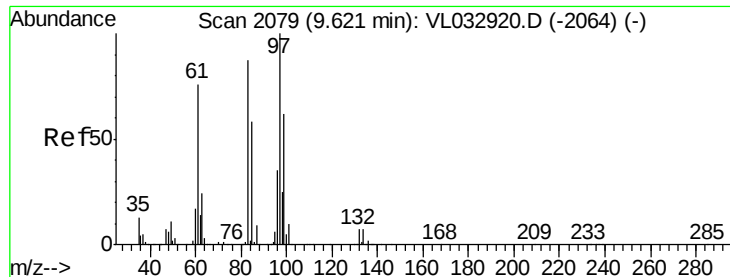
MMDadoda
12/11/2018 10:07:54 AM



#46
cis-1,3-Dichloropropene
Concen: 10.956 ppbv
RT: 8.84 min Scan# 1837
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion: 75 Resp: 1462101
Ion Ratio Lower Upper
75 100
39 66.0 52.8 79.2
77 30.4 24.3 36.5





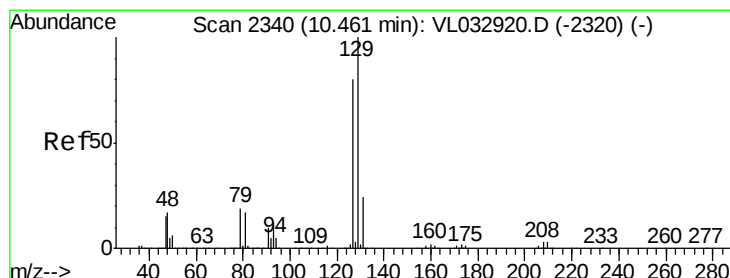
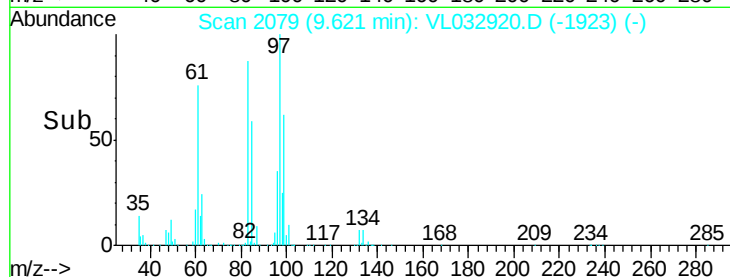
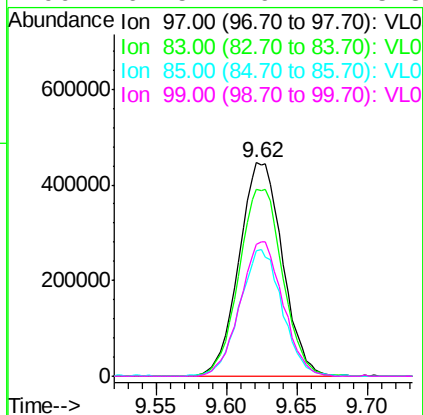
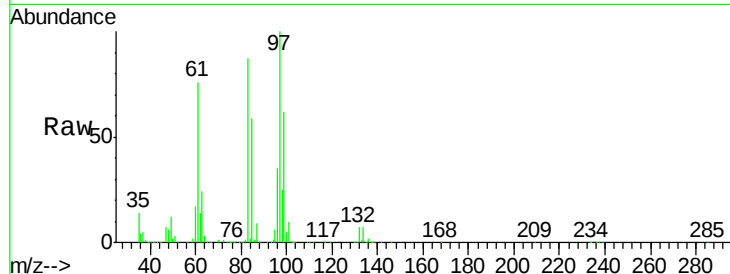
#47
 1,1,2-Trichloroethane
 Concen: 9.173 ppbv
 RT: 9.62 min Scan# 2079
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.3	69.8	104.8
85	58.4	46.7	70.1
99	61.5	49.2	73.8

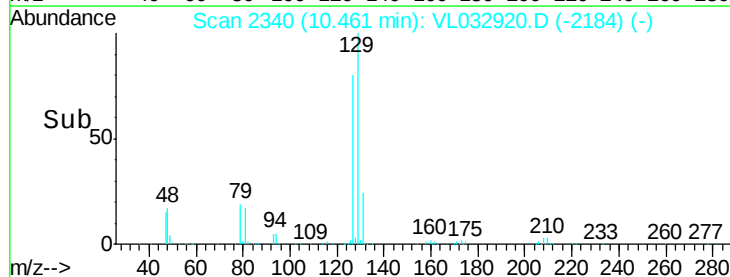
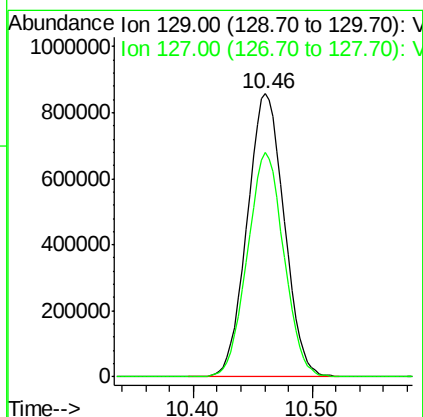
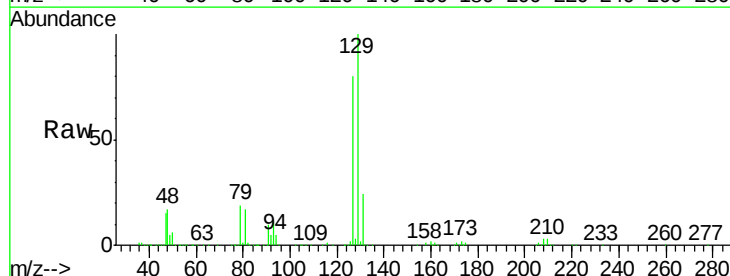
Manual Integrations
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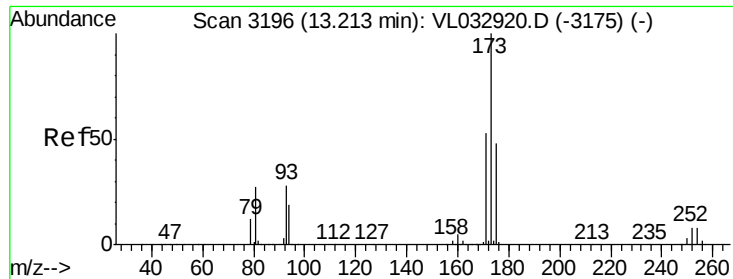
MMDadoda
 12/11/2018 10:07:54 AM



#48
 Dibromochloromethane
 Concen: 9.512 ppbv
 RT: 10.46 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.3	117.8





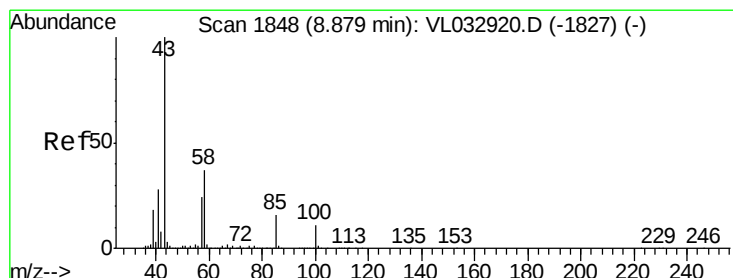
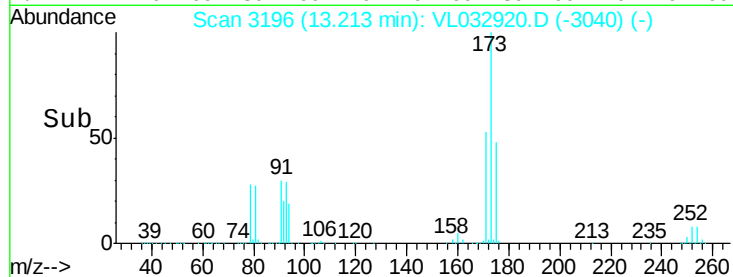
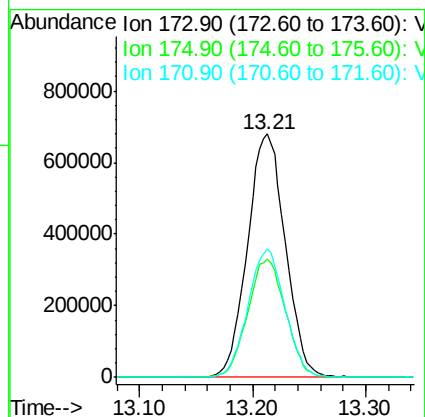
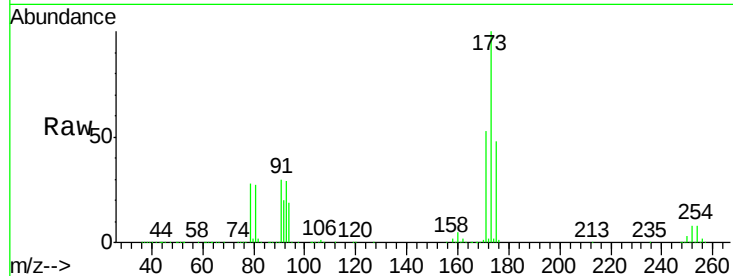
#49
Bromoform
Concen: 9.677 ppbv
RT: 13.21 min Scan# 3196
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 173 Resp: 1575449
Ion Ratio Lower Upper
173 100
175 48.8 39.0 58.4
171 52.0 41.5 62.3

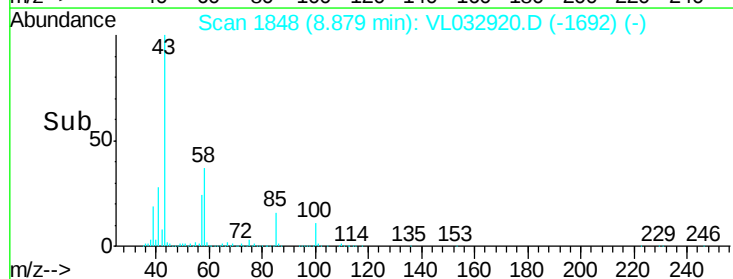
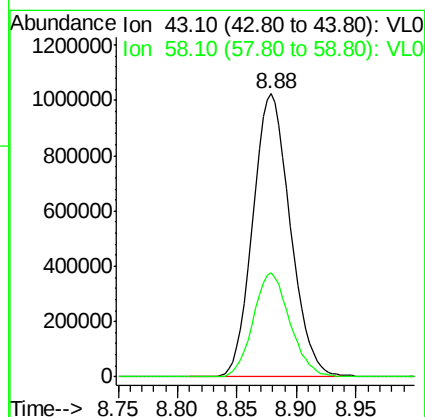
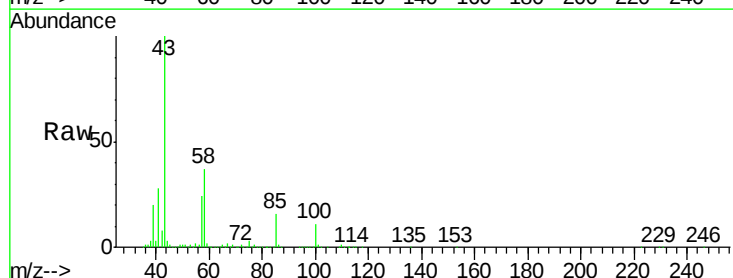
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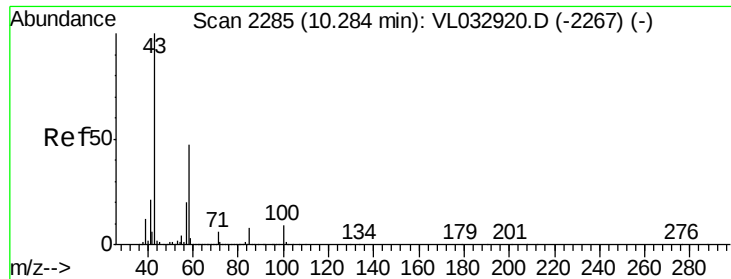
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#50
4-Methyl-2-Pentanone
Concen: 9.944 ppbv
RT: 8.88 min Scan# 1848
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion: 43 Resp: 2227590
Ion Ratio Lower Upper
43 100
58 36.1 29.0 43.4





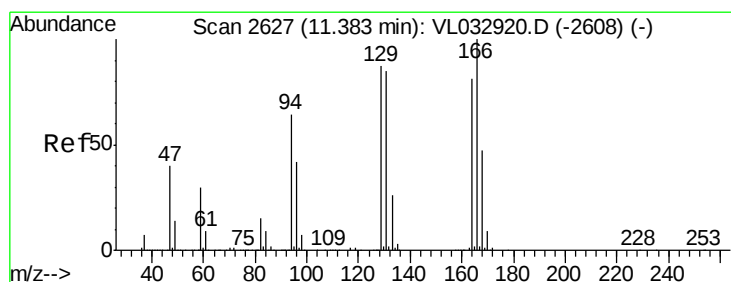
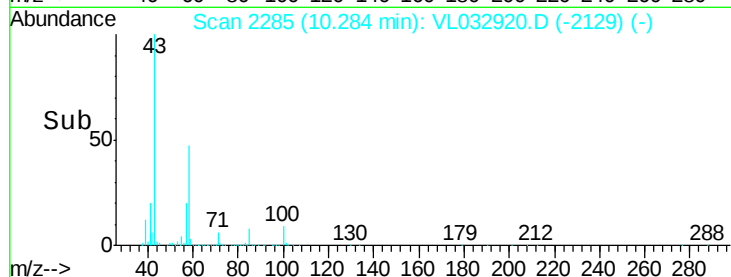
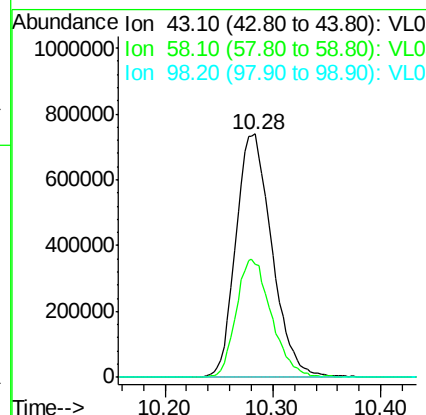
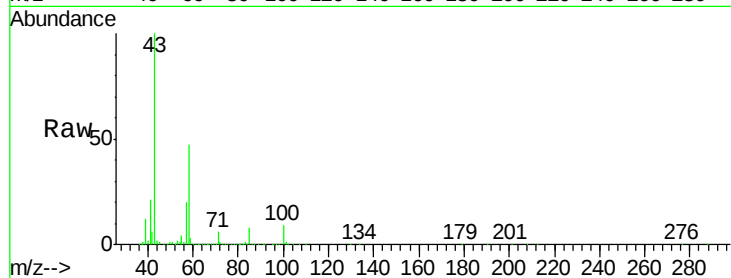
#51
2-Hexanone
Concen: 10.402 ppbv
RT: 10.28 min Scan# 2285
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 43 Resp: 1723265
Ion Ratio Lower Upper
43 100
58 47.7 38.1 57.1
98 0.3 0.4 0.6#

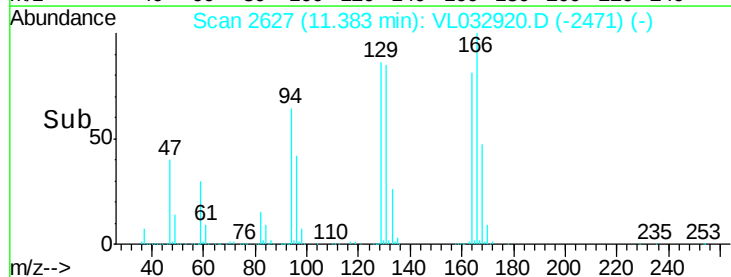
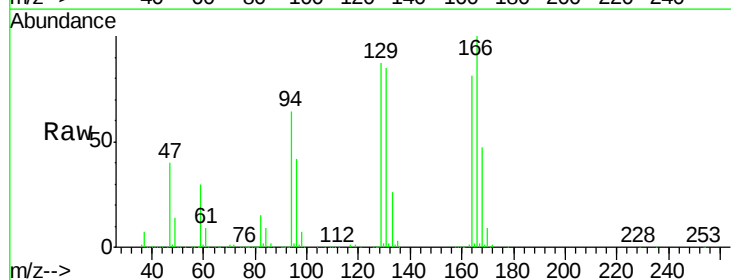
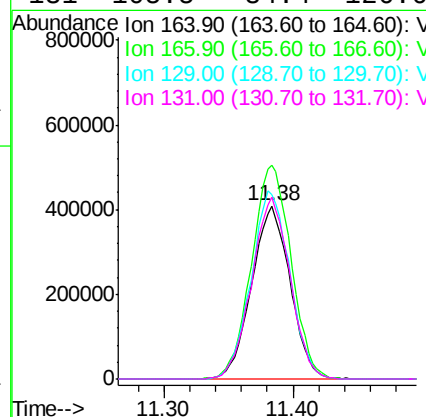
Manual Integrations
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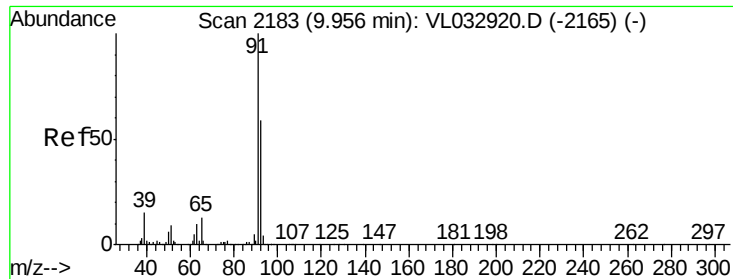
MMDadoda
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#52
Tetrachloroethene
Concen: 9.349 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion: 164 Resp: 848007
Ion Ratio Lower Upper
164 100
166 123.5 98.8 148.2
129 106.9 85.5 128.3
131 105.5 84.4 126.6





#53

Toluene

Concen: 9.971 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 91 Resp: 2738781

Ion Ratio Lower Upper

91 100

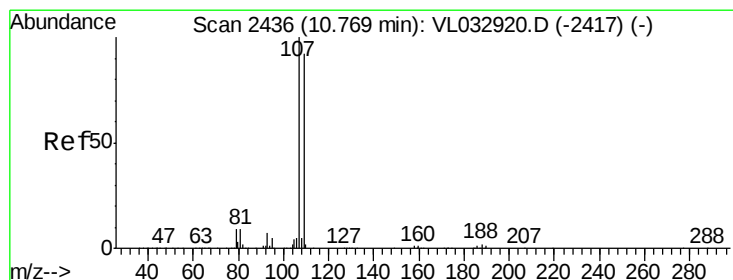
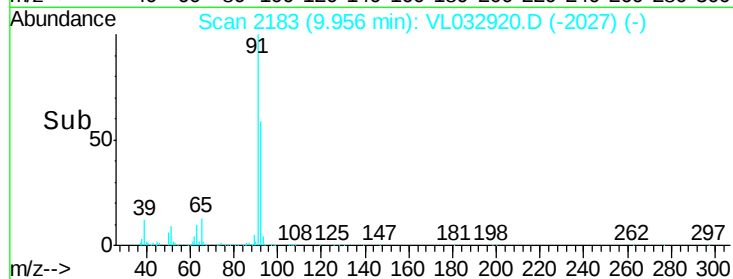
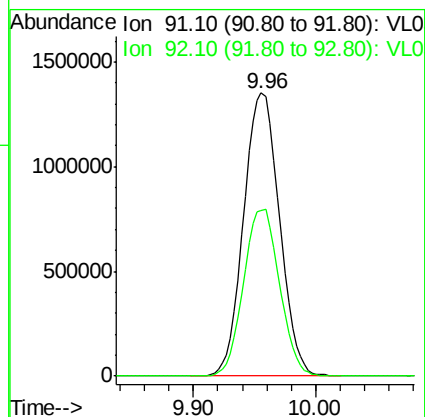
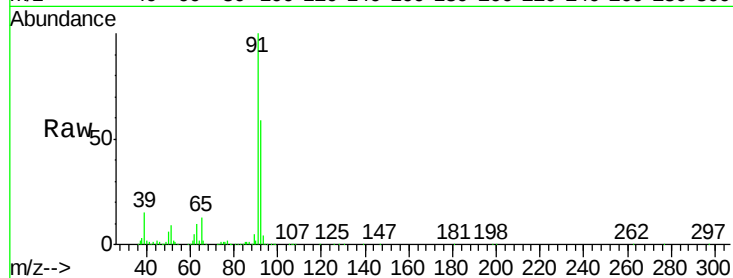
92 59.3 47.4 71.0

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.874 ppbv

RT: 10.77 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL032920.D

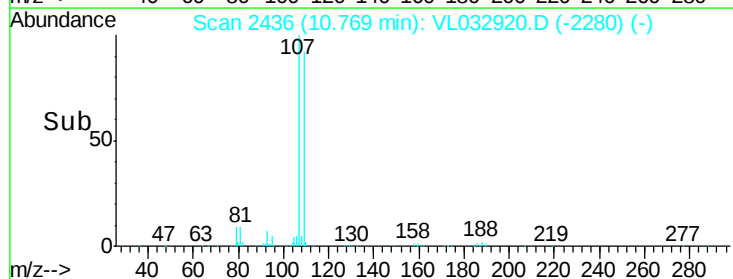
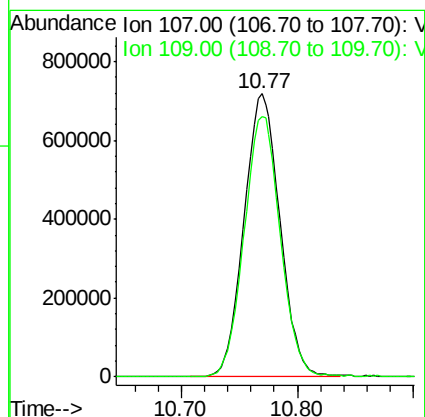
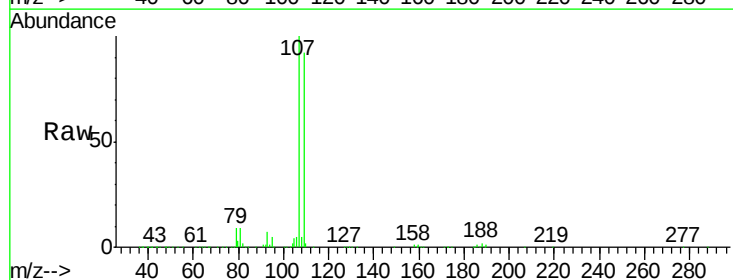
Acq: 7 Dec 2018 3:39

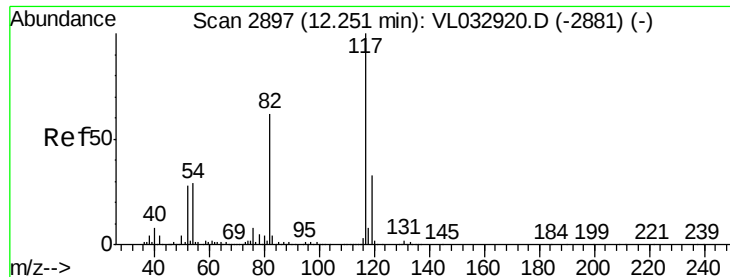
Tgt Ion: 107 Resp: 1546413

Ion Ratio Lower Upper

107 100

109 91.8 73.4 110.2





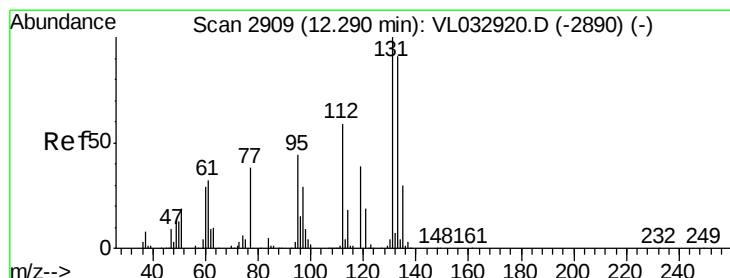
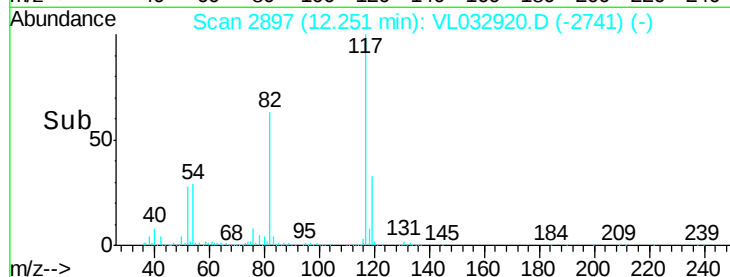
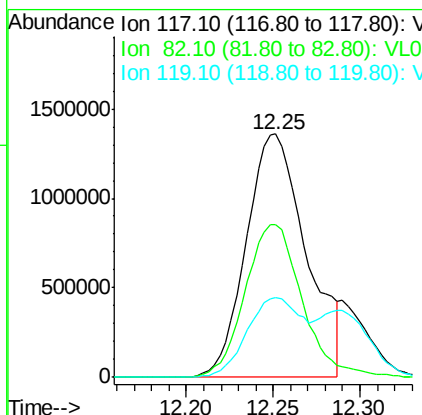
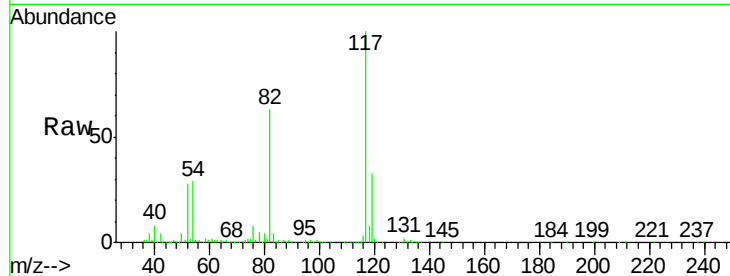
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.25 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:117 Resp: 3273055
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.8
119 29.8 43.1 64.7#

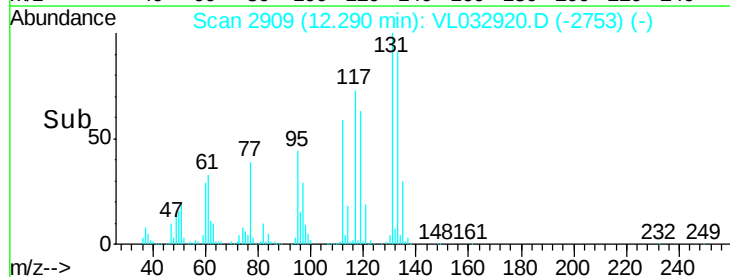
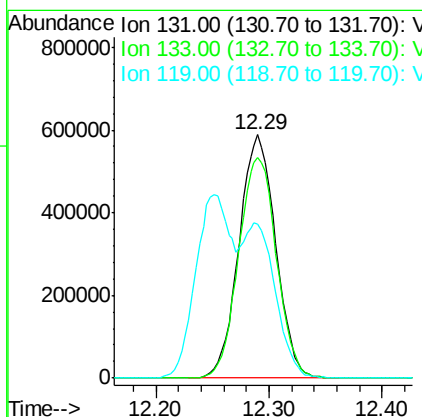
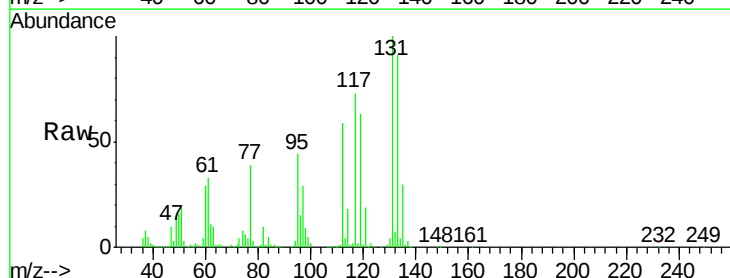
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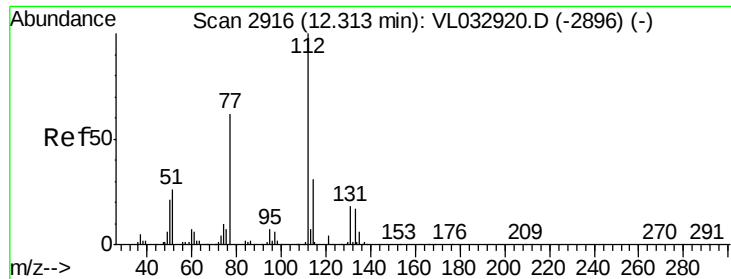
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.952 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion:131 Resp: 1323794
Ion Ratio Lower Upper
131 100
133 93.9 75.1 112.7
119 59.4 47.5 71.3





#57

Chlorobenzene

Concen: 8.621 ppbv

RT: 12.31 min Scan# 2916

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tgt Ion: 112 Resp: 2106798

Ion Ratio Lower Upper

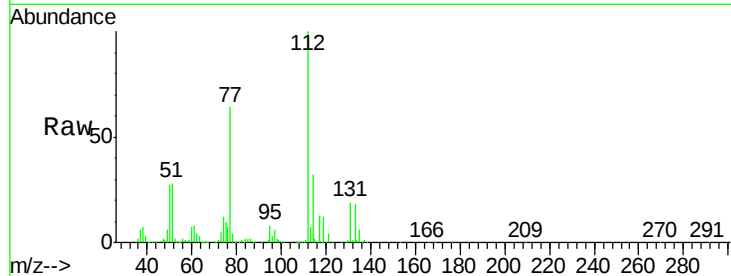
112 100

77 63.9 51.1 76.7

114 31.5 28.4 34.7

Manual Integrations
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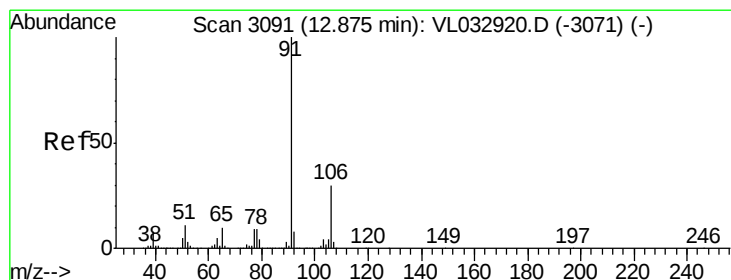
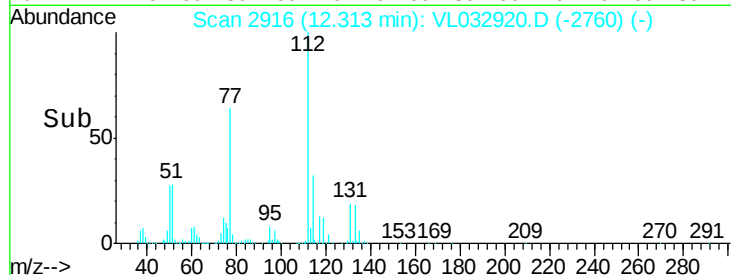
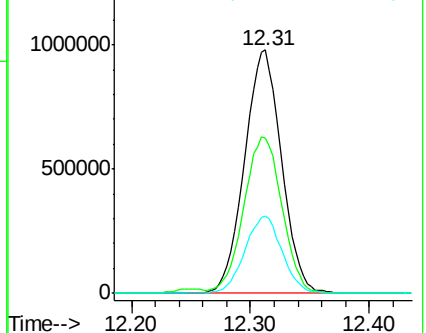
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.914 ppbv

RT: 12.88 min Scan# 3091

Delta R.T. 0.00 min

Lab File: VL032920.D

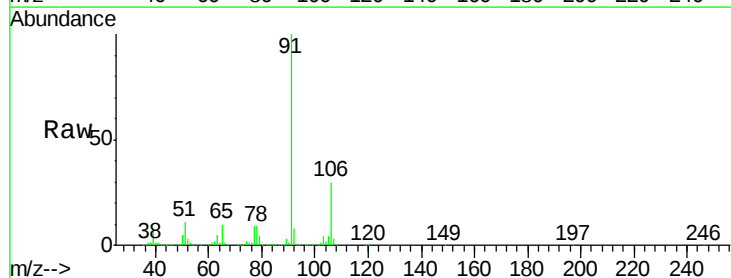
Acq: 7 Dec 2018 3:39

Tgt Ion: 91 Resp: 3698657

Ion Ratio Lower Upper

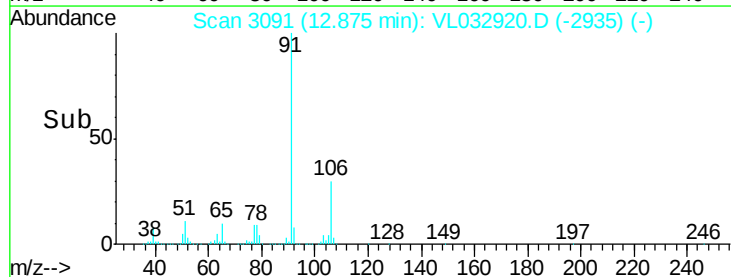
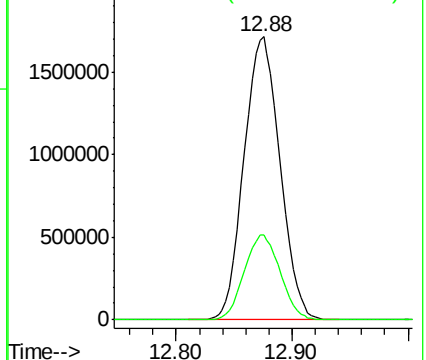
91 100

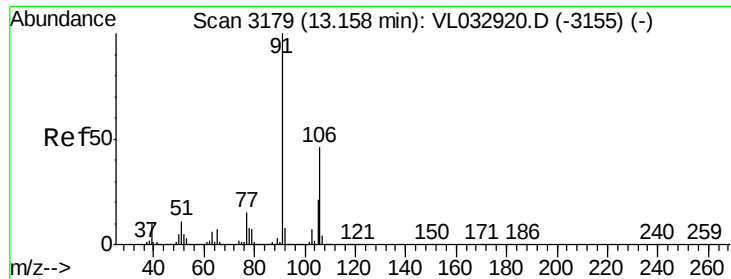
106 29.9 23.9 35.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





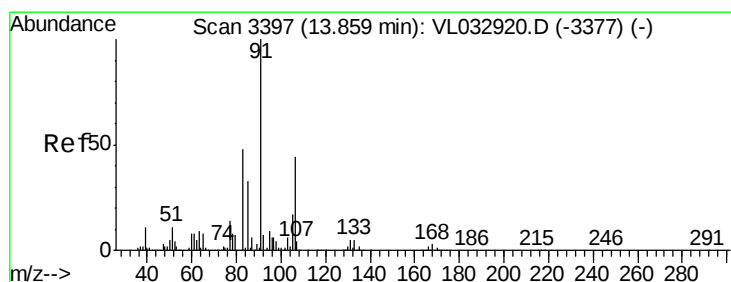
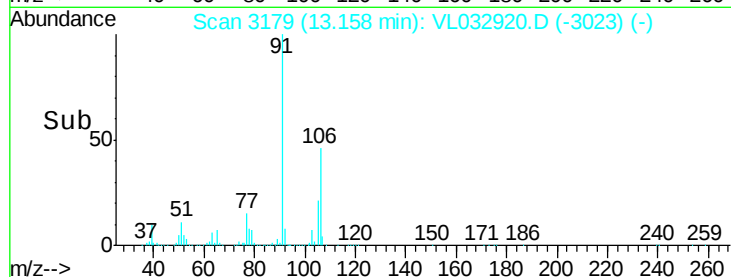
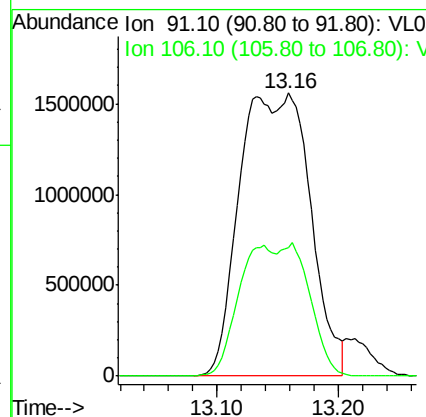
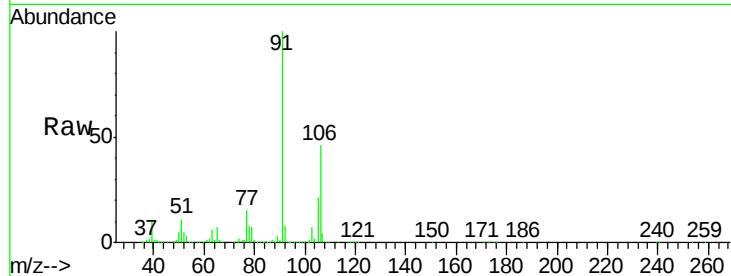
#59
m/p-Xylene
Concen: 18.675 ppbv m
RT: 13.16 min Scan# 3179
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 91 Resp: 6288759
Ion Ratio Lower Upper
91 100
106 45.3 0.0 0.0#

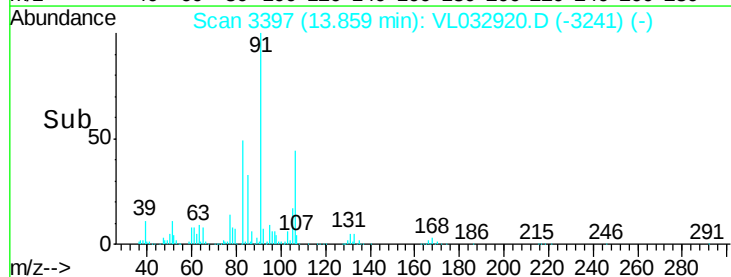
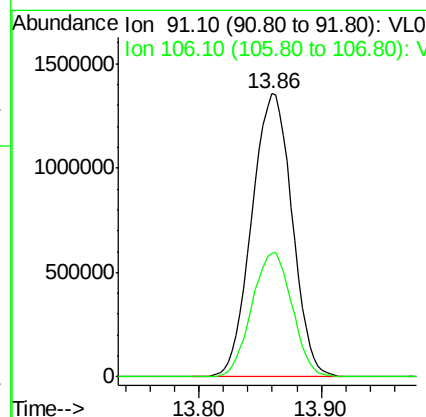
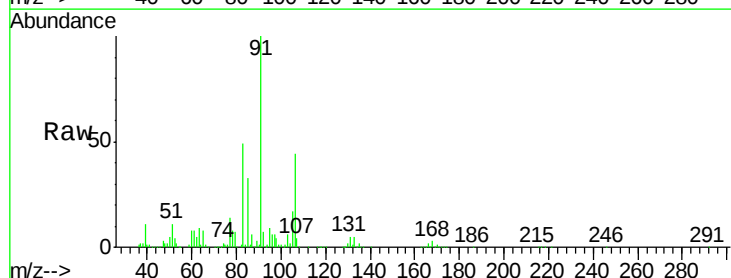
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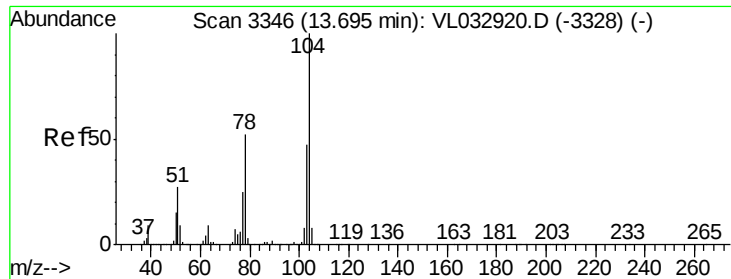
MMDadoda
12/11/2018 10:07:54 AM



#60
o-Xylene
Concen: 9.424 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion: 91 Resp: 3100080
Ion Ratio Lower Upper
91 100
106 43.9 21.9 65.8





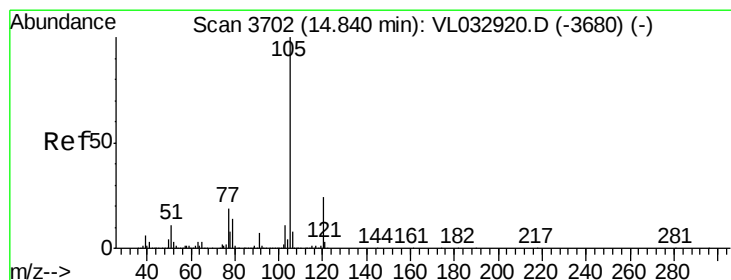
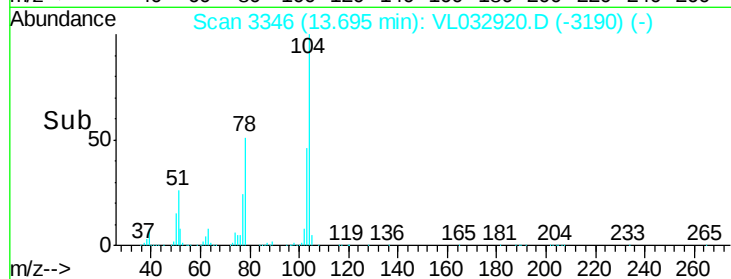
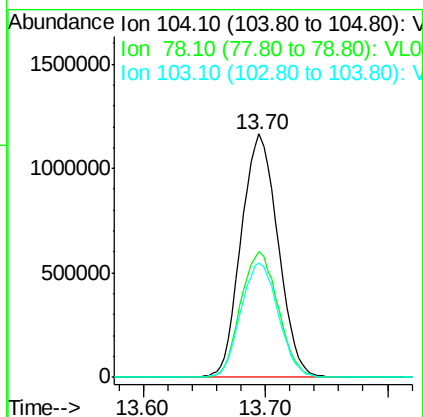
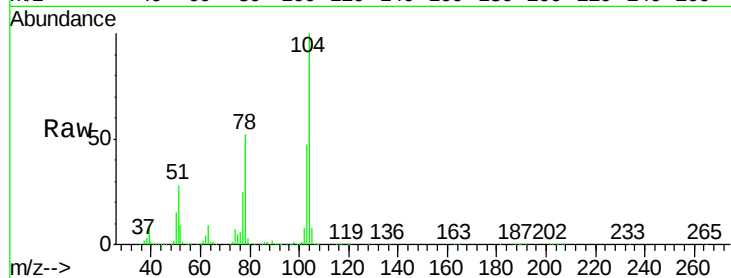
#61
Styrene
Concen: 11.067 ppbv
RT: 13.70 min Scan# 3346
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion:104 Resp: 2431566
Ion Ratio Lower Upper
104 100
78 52.5 42.0 63.0
103 47.9 38.3 57.5

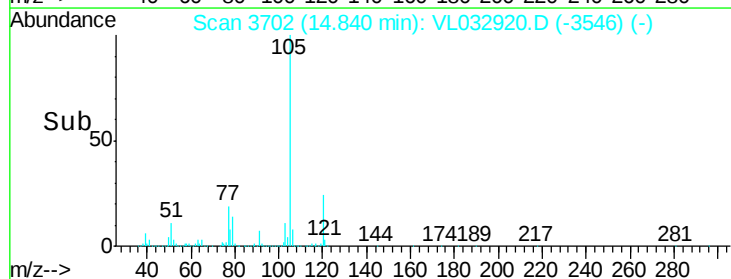
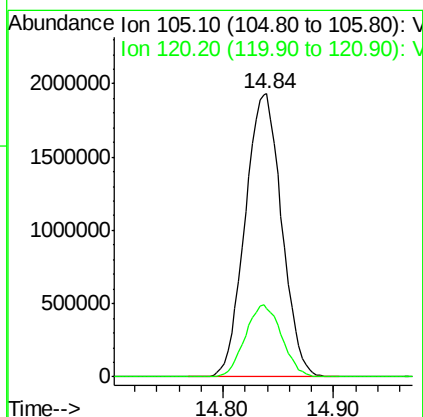
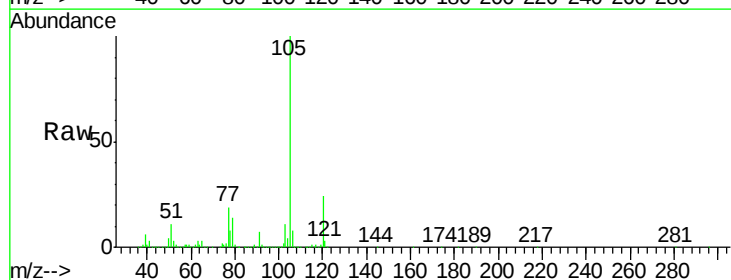
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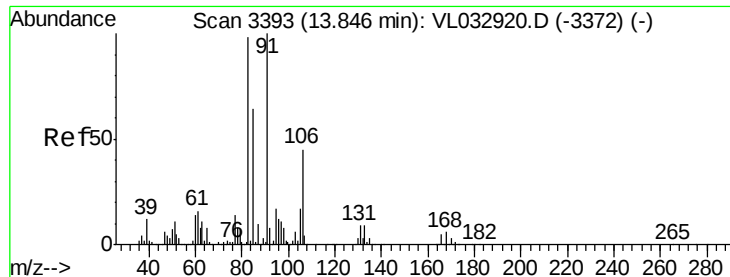
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12/11/2018 10:07:54 AM



#62
Isopropylbenzene
Concen: 9.487 ppbv
RT: 14.84 min Scan# 3702
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion:105 Resp: 4428829
Ion Ratio Lower Upper
105 100
120 25.4 20.3 30.5





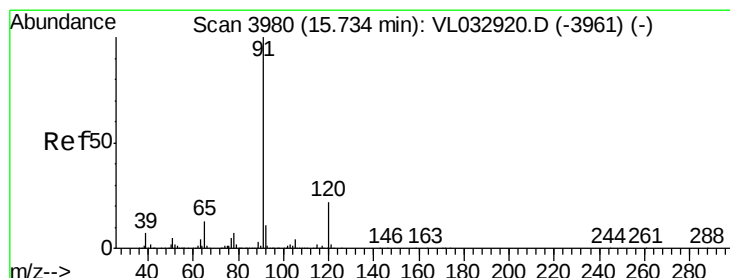
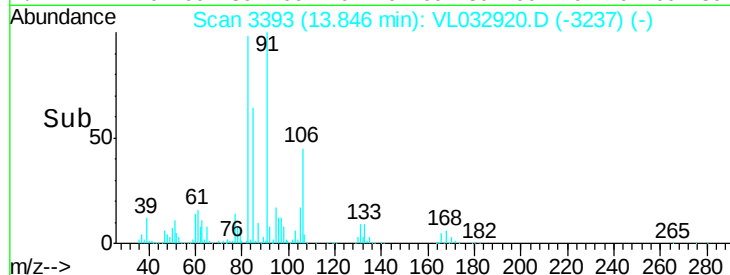
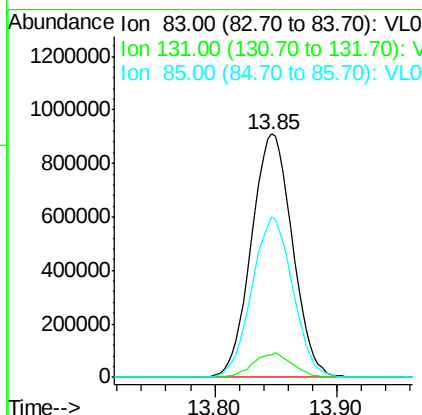
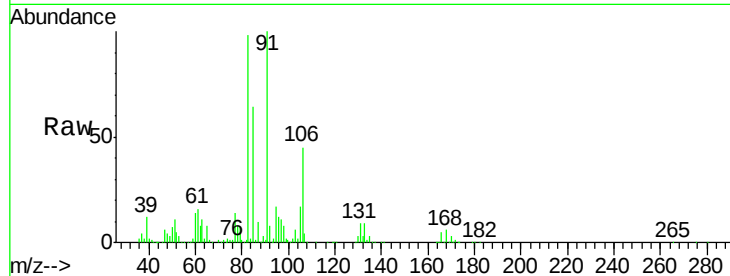
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.540 ppbv
 RT: 13.85 min Scan# 3393
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 83 Resp: 2117797
 Ion Ratio Lower Upper
 83 100
 131 9.7 4.9 14.6
 85 65.6 32.9 98.6

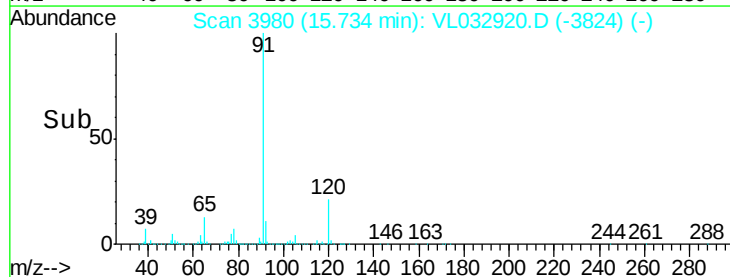
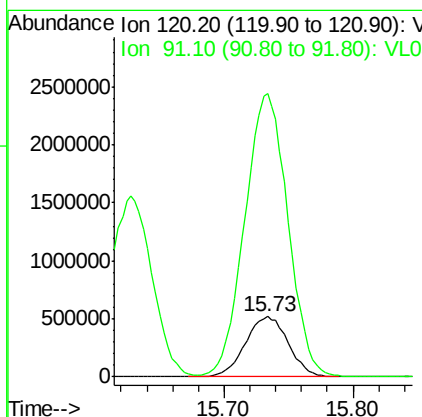
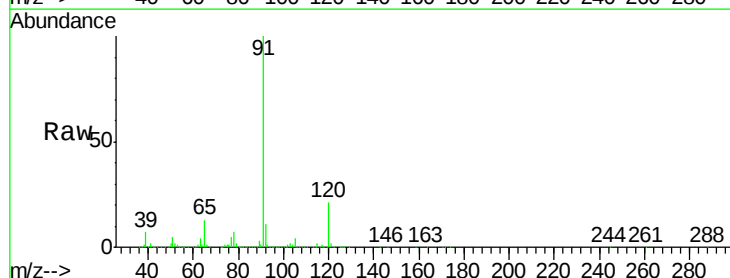
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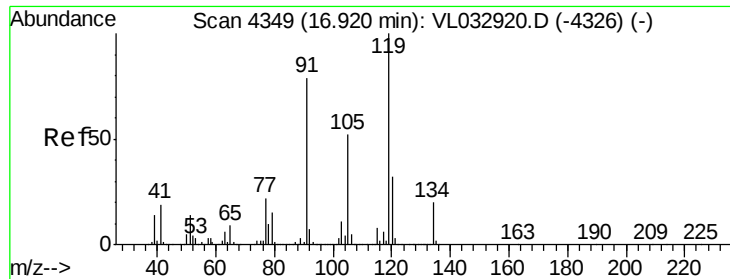
MMDadoda
 12/11/2018 10:07:54 AM



#64
 n-propylbenzene
 Concen: 10.170 ppbv
 RT: 15.73 min Scan# 3980
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Tgt Ion: 120 Resp: 1196982
 Ion Ratio Lower Upper
 120 100
 91 475.5 380.4 570.6





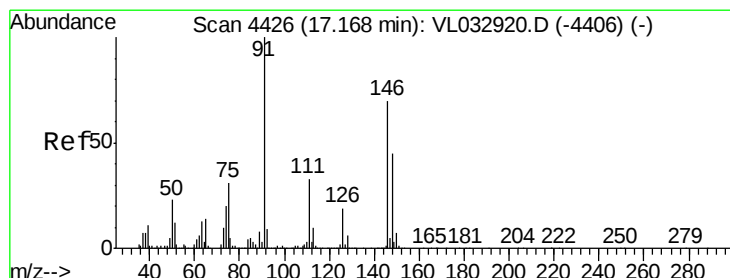
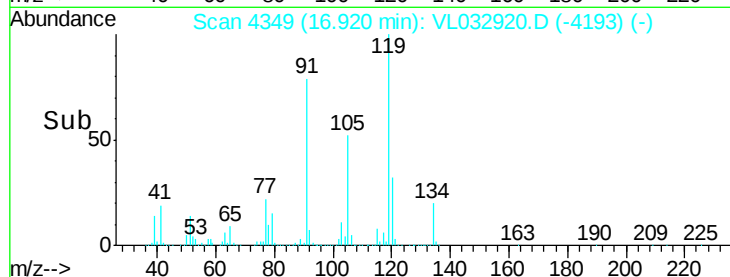
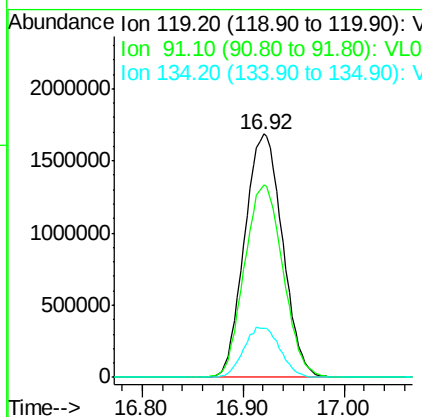
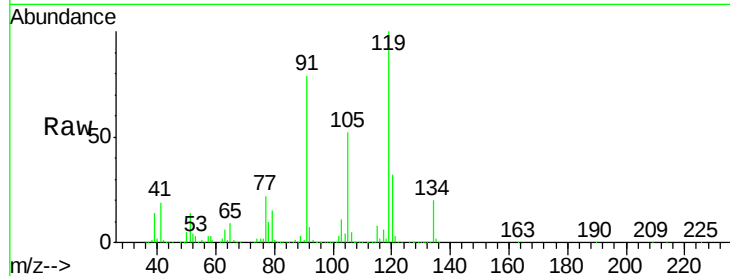
#65
tert-Butylbenzene
Concen: 10.971 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion: 119 Resp: 4393574
Ion Ratio Lower Upper
119 100
91 80.6 64.5 96.7
134 19.6 15.7 23.5

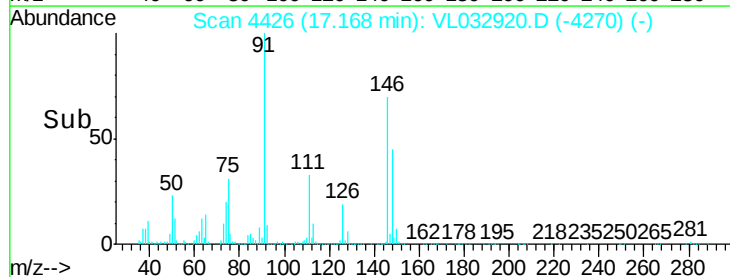
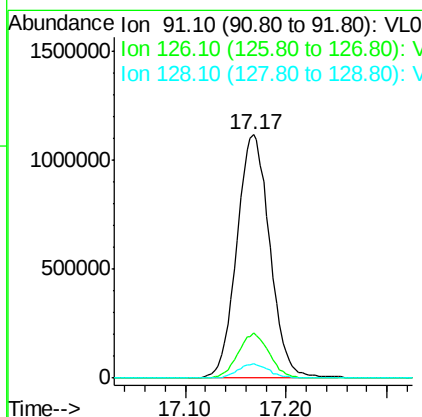
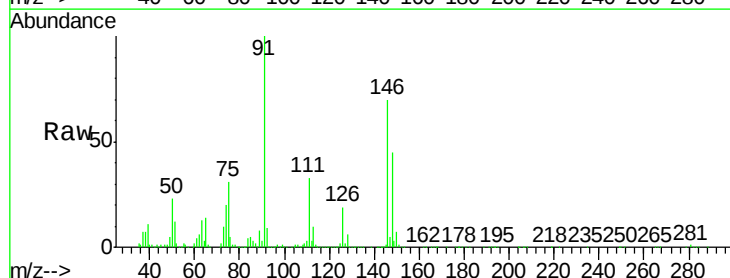
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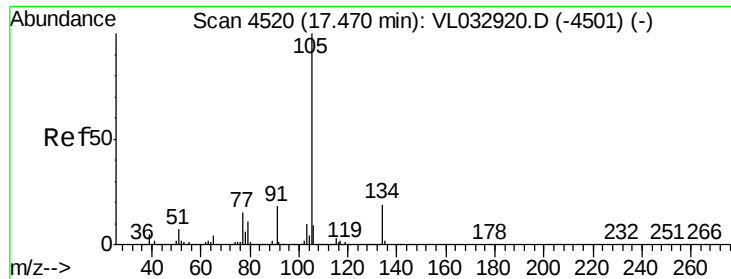
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#66
Benzyl Chloride
Concen: 11.953 ppbv
RT: 17.17 min Scan# 4426
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion: 91 Resp: 2537873
Ion Ratio Lower Upper
91 100
126 17.6 14.1 21.1
128 5.6 4.5 6.7





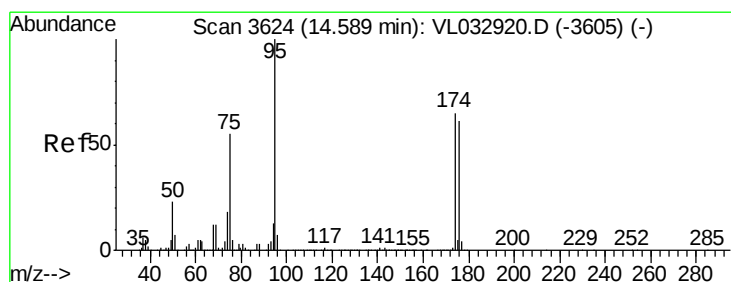
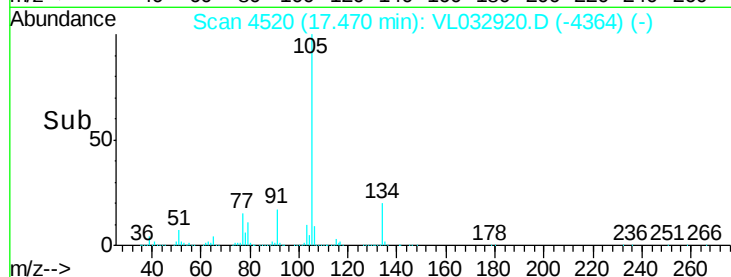
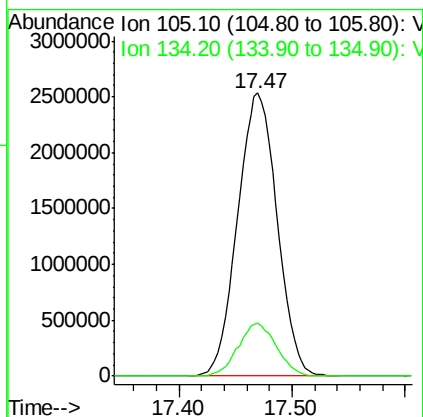
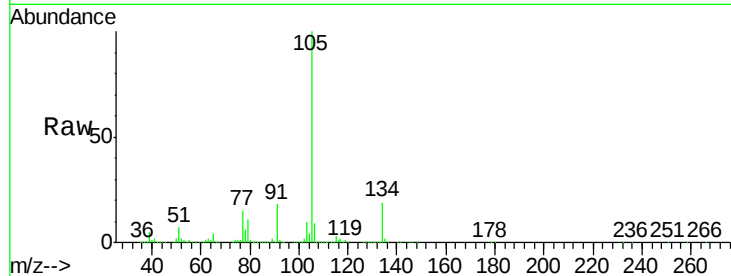
#67
 sec-Butylbenzene
 Concen: 10.843 ppbv
 RT: 17.47 min Scan# 4520
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 105 Resp: 6156675
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.6 21.8

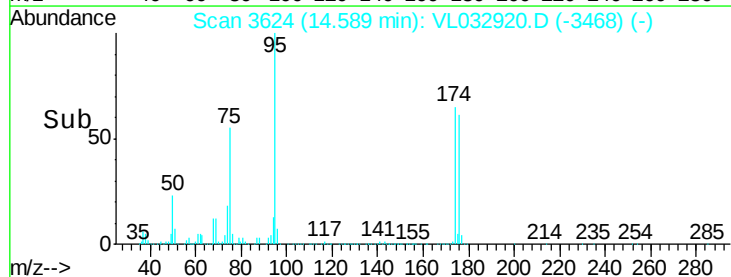
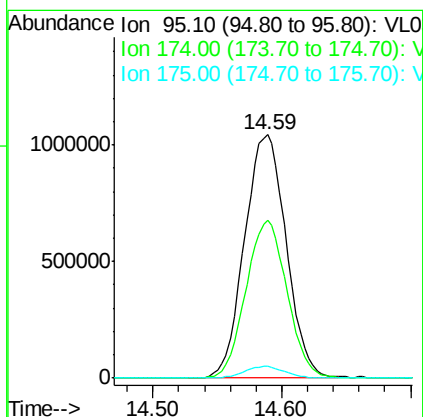
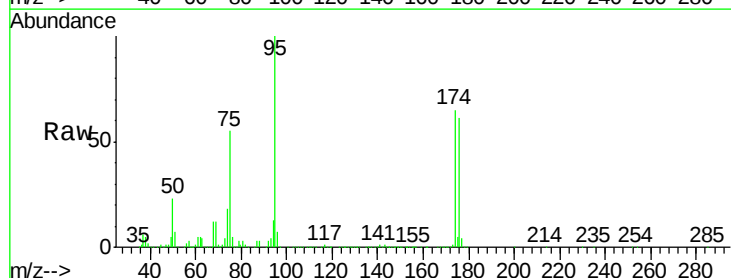
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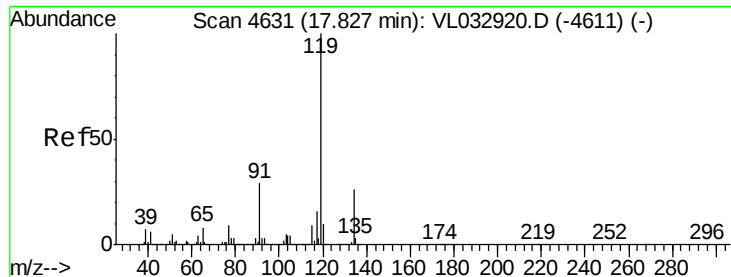
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.817 ppbv
 RT: 14.59 min Scan# 3624
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Tgt Ion: 95 Resp: 2346668
 Ion Ratio Lower Upper
 95 100
 174 64.4 51.4 77.0
 175 4.7 3.8 5.6





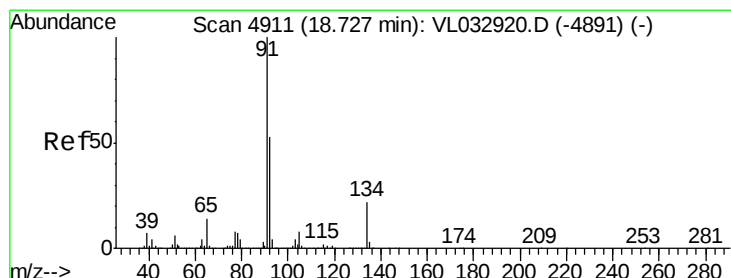
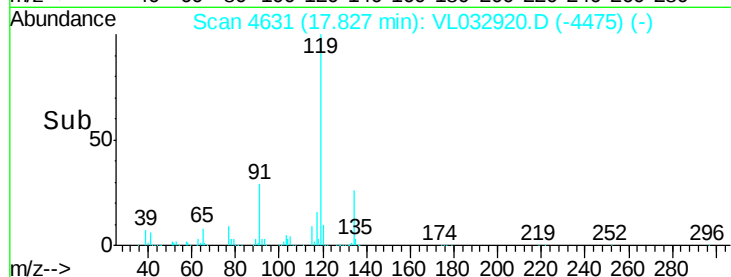
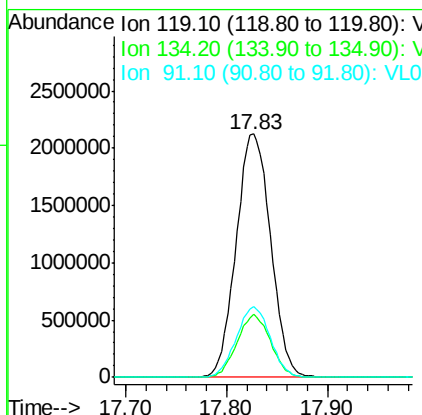
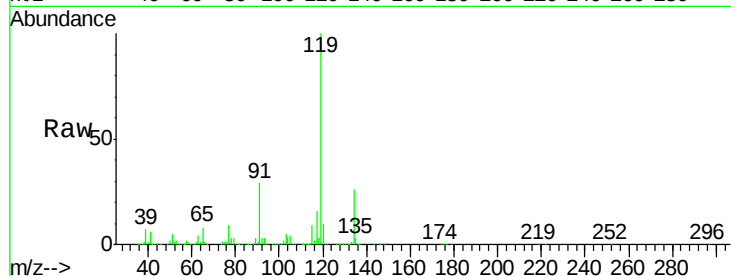
#69
 p-Isopropyltoluene
 Concen: 11.144 ppbv
 RT: 17.83 min Scan# 4631
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.2	20.2	30.2
91	28.6	22.9	34.3

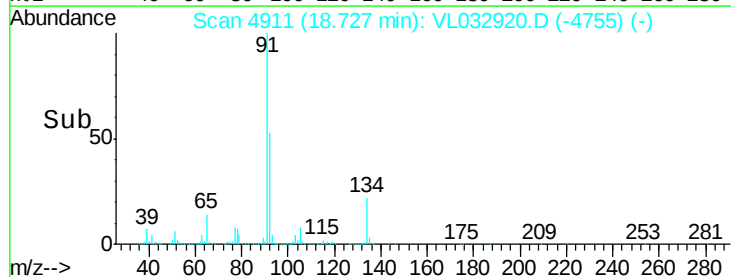
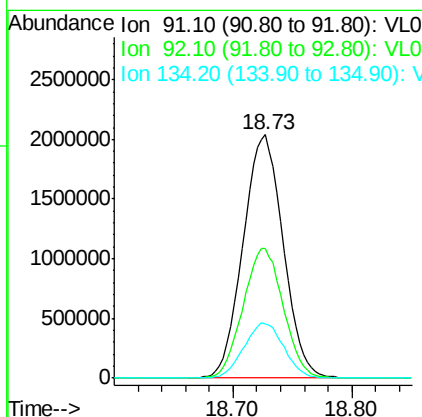
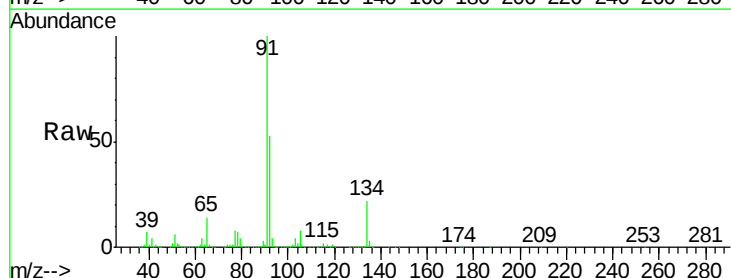
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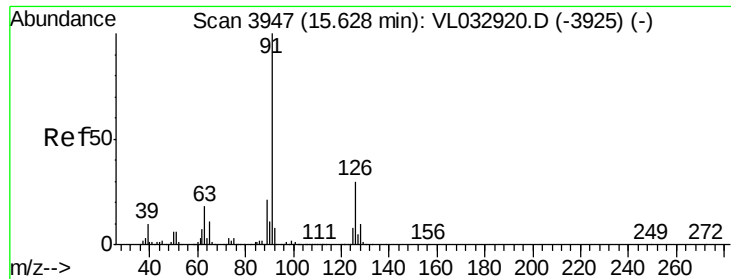
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 12/11/2018 10:07:54 AM



#70
 n-Butylbenzene
 Concen: 10.692 ppbv
 RT: 18.73 min Scan# 4911
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.7	64.1
134	22.5	18.0	27.0





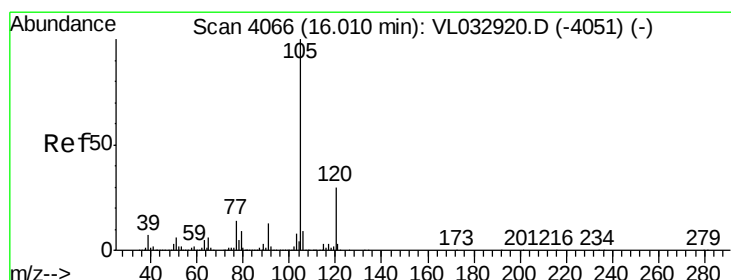
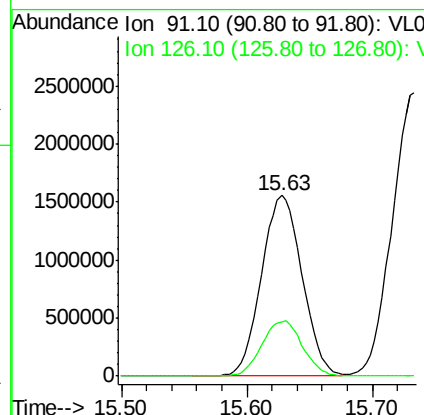
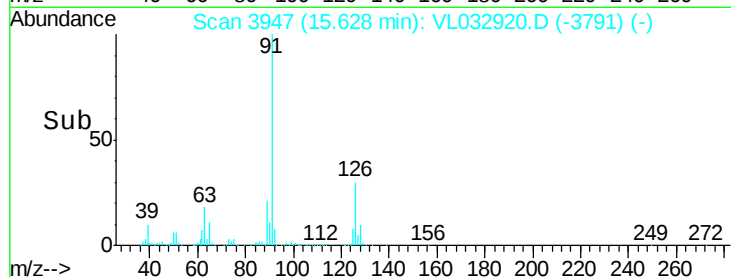
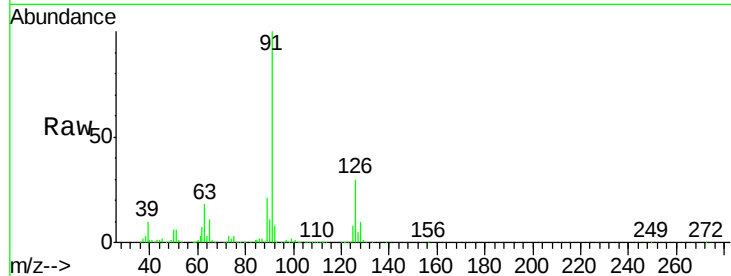
#71
 2-Chlorotoluene
 Concen: 10.403 ppbv
 RT: 15.63 min Scan# 3947
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion: 91 Resp: 3508109
 Ion Ratio Lower Upper
 91 100
 126 30.8 12.3 49.3

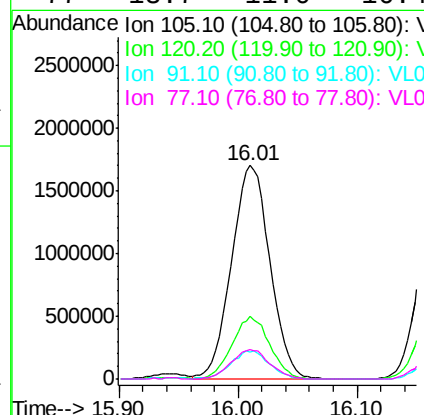
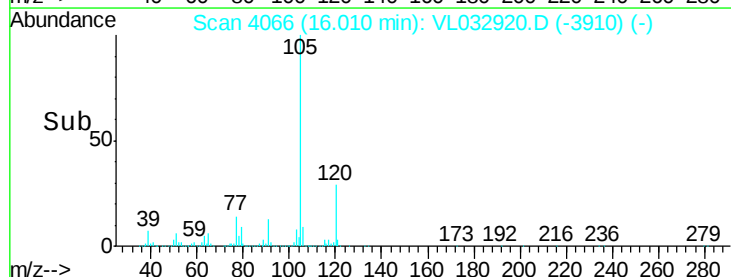
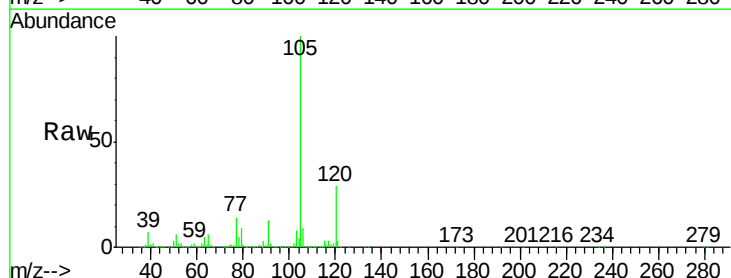
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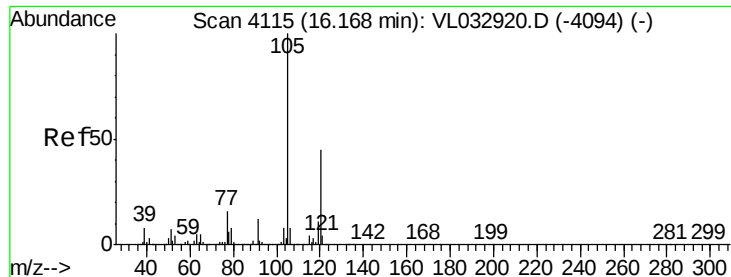
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#72
 4-Ethyltoluene
 Concen: 10.934 ppbv
 RT: 16.01 min Scan# 4066
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Tgt Ion: 105 Resp: 3794729
 Ion Ratio Lower Upper
 105 100
 120 28.7 23.0 34.4
 91 13.0 10.4 15.6
 77 13.7 11.0 16.4





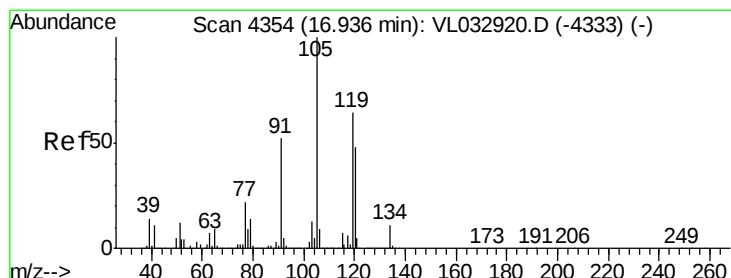
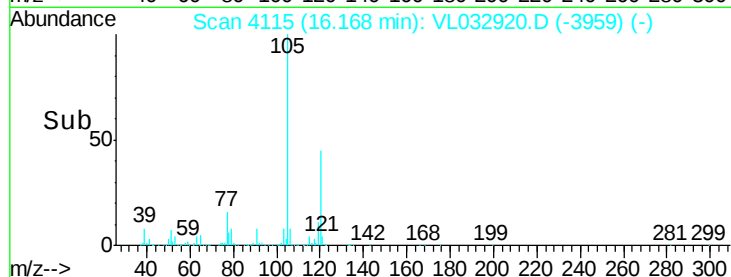
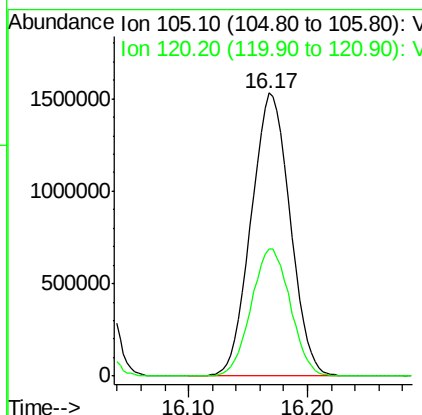
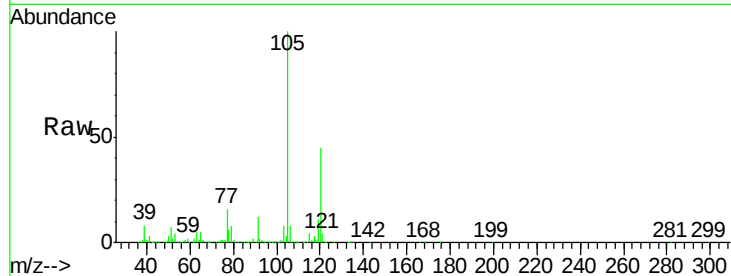
#73
 1,3,5-Trimethylbenzene
 Concen: 10.347 ppbv
 RT: 16.17 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:105 Resp: 3459672
 Ion Ratio Lower Upper
 105 100
 120 45.0 36.0 54.0

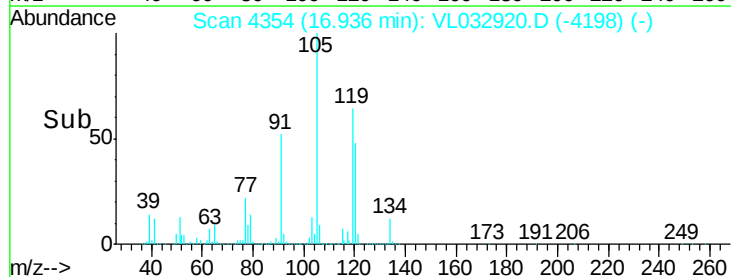
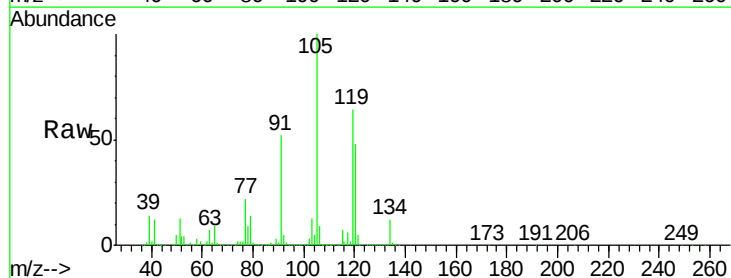
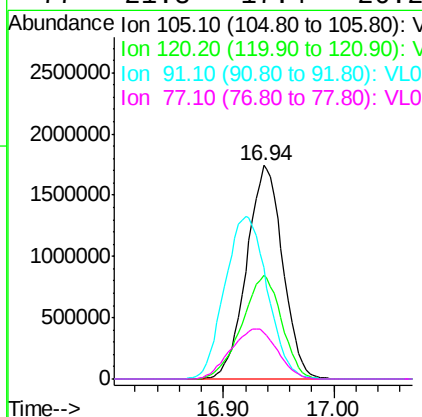
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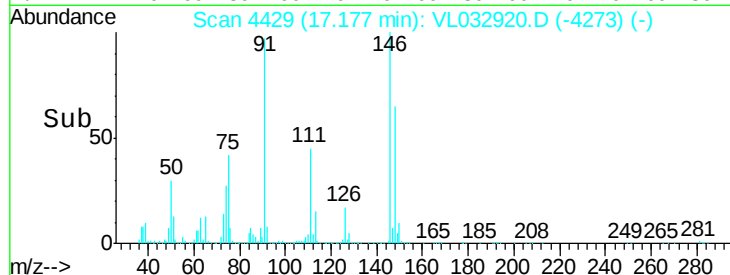
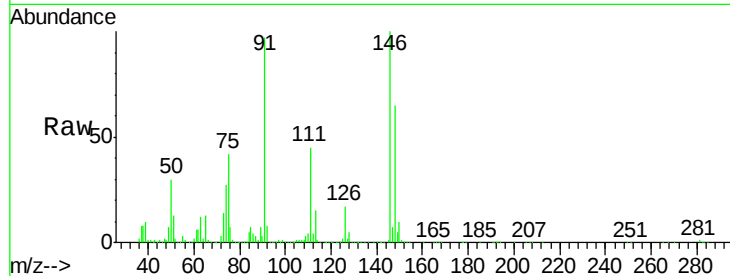
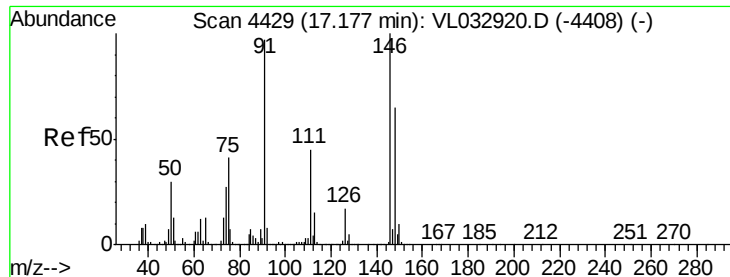
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 12/11/2018 10:07:54 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.837 ppbv
 RT: 16.94 min Scan# 4354
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Tgt Ion:105 Resp: 3941834
 Ion Ratio Lower Upper
 105 100
 120 48.3 38.6 58.0
 91 52.1 41.7 62.5
 77 21.8 17.4 26.2





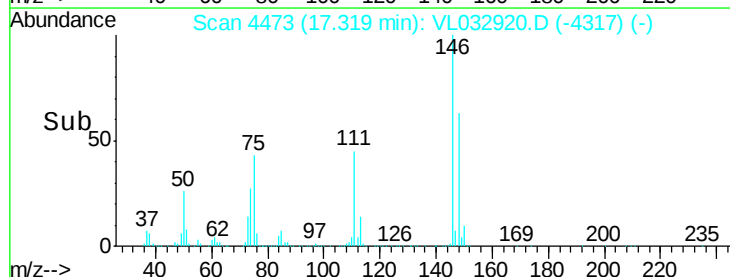
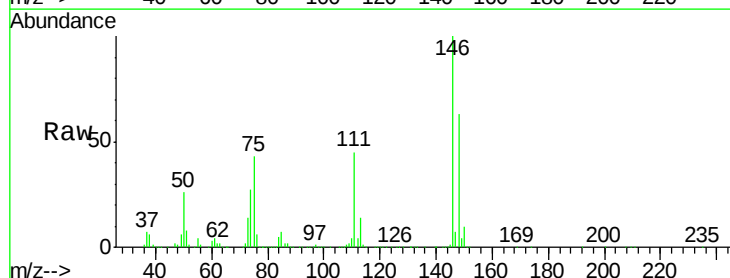
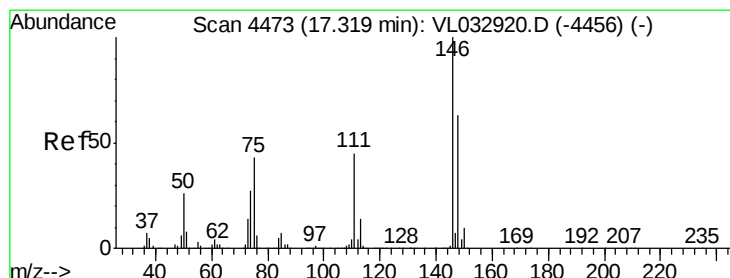
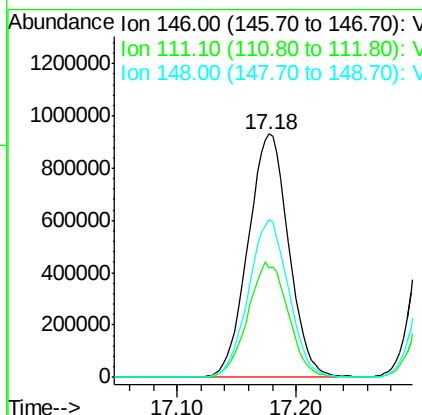
#75
 1,3-Dichlorobenzene
 Concen: 10.294 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion:146 Resp: 2192604
 Ion Ratio Lower Upper
 146 100
 111 47.2 23.6 70.8
 148 64.2 32.1 96.3

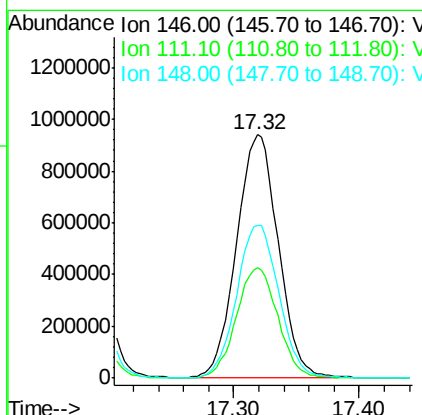
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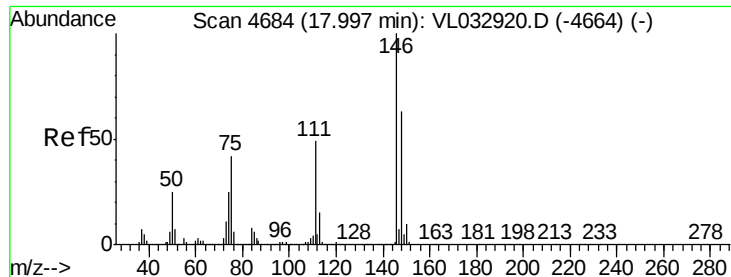
MMDadoda
 12/11/2018 10:07:54 AM



#76
 1,4-Dichlorobenzene
 Concen: 10.856 ppbv
 RT: 17.32 min Scan# 4473
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Tgt Ion:146 Resp: 2165977
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.8 68.4
 148 64.3 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 10.466 ppbv

RT: 18.00 min Scan# 4684

Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

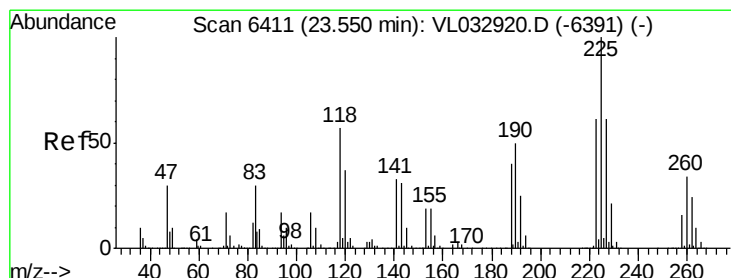
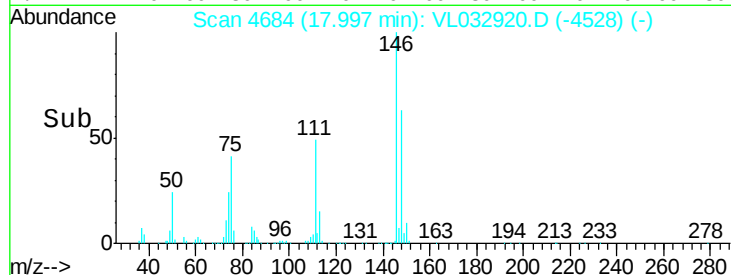
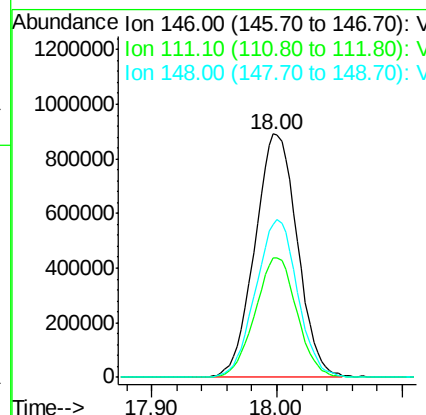
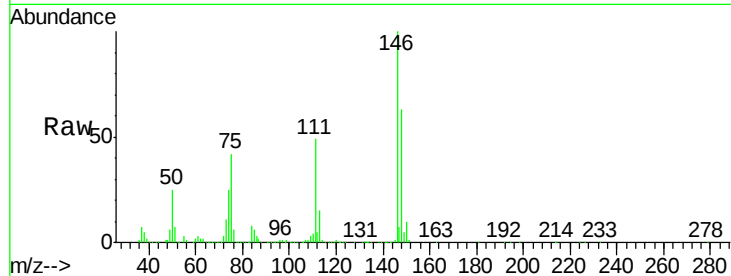
Instrument :
MSVOA_L

ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
146	100		
111	48.6	24.3	72.9
148	64.1	32.0	96.2

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#78

Hexachloro-1,3-Butadiene

Concen: 7.335 ppbv

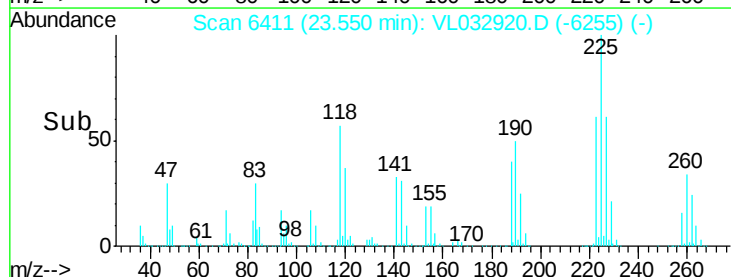
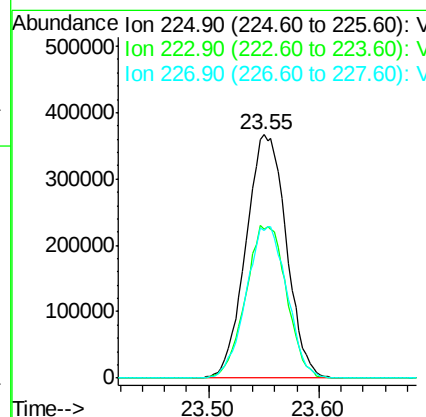
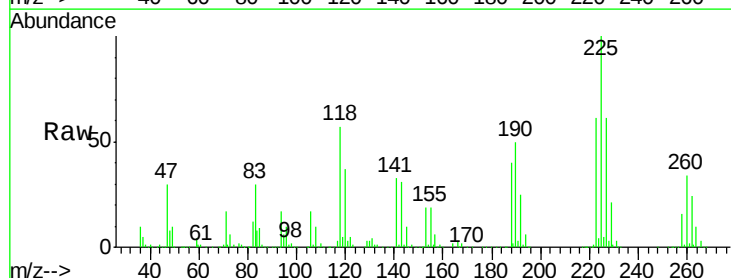
RT: 23.55 min Scan# 6411

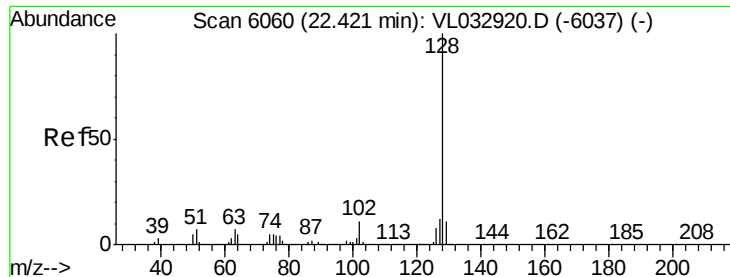
Delta R.T. 0.00 min

Lab File: VL032920.D

Acq: 7 Dec 2018 3:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	50.6	75.8
227	63.0	50.4	75.6





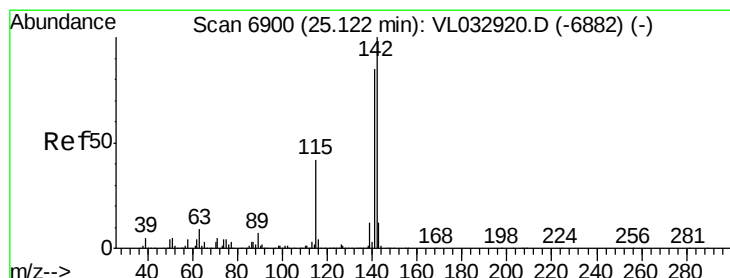
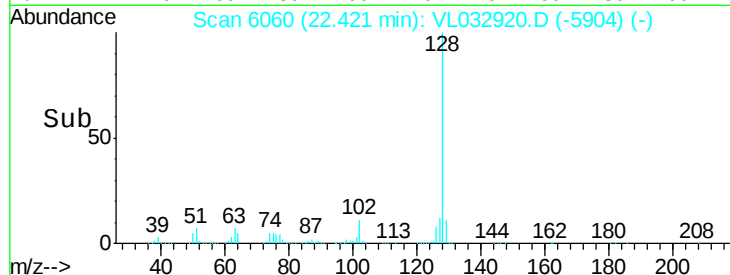
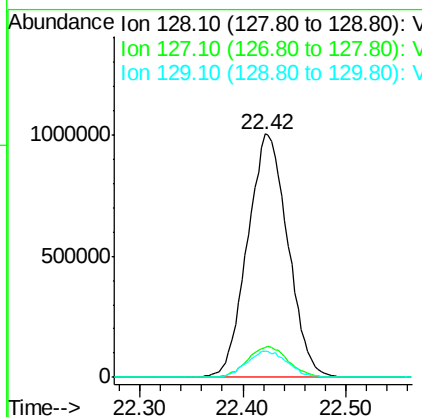
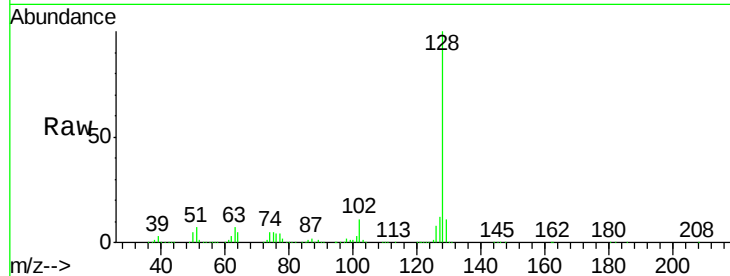
#79
Naphthalene
Concen: 12.673 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	9.9	14.9
129	10.8	8.6	13.0

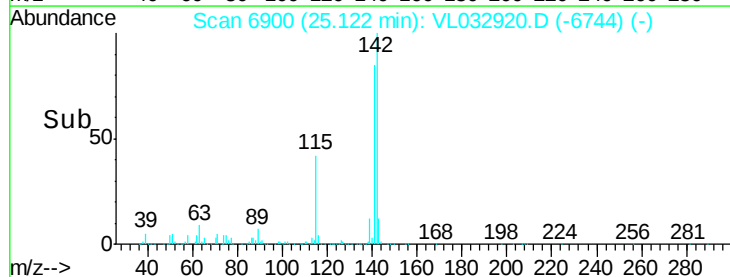
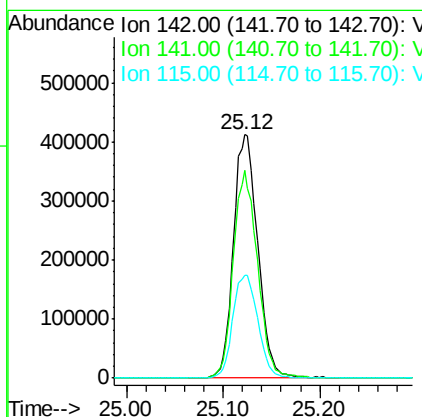
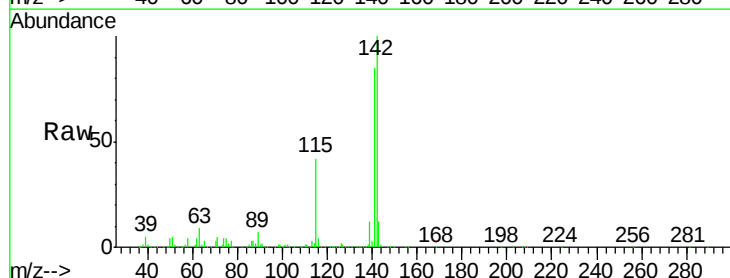
Manual Integrations
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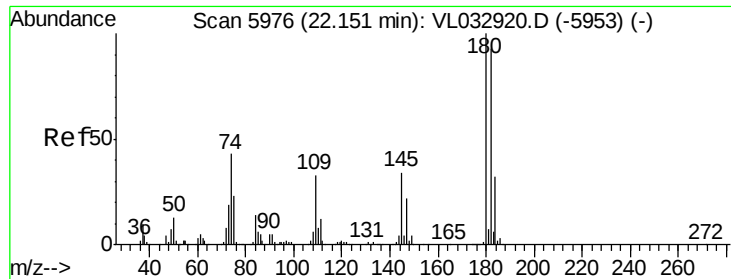
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#80
Naphthalene, 2-methyl-
Concen: 15.012 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL032920.D
Acq: 7 Dec 2018 3:39

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.2	68.2	102.2
115	43.9	35.1	52.7





#81
 1,2,4-Trichlorobenzene
 Concen: 11.892 ppbv
 RT: 22.15 min Scan# 5976
 Delta R.T. 0.00 min
 Lab File: VL032920.D
 Acq: 7 Dec 2018 3:39

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	77.0	115.6
184	30.4	24.3	36.5

Manual Integrations
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