

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL120718\
 Data File : VL032929.D
 Acq On : 7 Dec 2018 11:07
 Operator : SY/AP
 Sample : VL1207ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/11/2018 10:08:36 AM

Quant Time: Dec 08 03:09:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1170835	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3069405	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3213187m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2308146	9.72	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.08	85	1053493	6.740	ppbv	99
3) Chlorodifluoromethane	3.02	51	890405	10.042	ppbv	99
4) Chloromethane	3.17	50	477511	9.250	ppbv	99
5) Vinyl Chloride	3.29	62	493656	9.398	ppbv	99
6) Bromomethane	3.52	94	343176	10.446	ppbv	100
7) Chloroethane	3.60	64	194744	10.345	ppbv	100
8) Dichlorotetrafluoroethane	3.22	85	1267175	9.756	ppbv	99
9) Propene	3.04	41	350809	10.005	ppbv	97
10) Heptane	8.25	43	1445878	10.978	ppbv	100
11) Trichlorofluoromethane	4.01	101	1461983	9.928	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1346954	10.721	ppbv	99
13) Ethanol	3.66	45	99465	8.239	ppbv	97
14) Bromoethene	3.79	108	435977	10.452	ppbv	99
15) Acetone	3.90	43	906137	9.017	ppbv	99
16) 1,3-Butadiene	3.37	39	406834	10.204	ppbv	98
17) tert-Butyl alcohol	4.36	59	333987m	13.053	ppbv	
18) 1,1-Dichloroethene	4.36	96	531771	10.807	ppbv	98
19) Isopropyl Alcohol	4.03	45	693972	10.996	ppbv	99
20) Methylene Chloride	4.41	84	544851	11.093	ppbv	94
21) Allyl Chloride	4.48	41	1001867	12.233	ppbv	100
22) trans-1,2-Dichloroethene	4.97	96	594750	9.739	ppbv	95
23) Vinyl Acetate	5.16	43	1934630	11.370	ppbv	100
24) 1,1-Dichloroethane	5.10	63	1590515	10.750	ppbv	99
25) Ethyl Acetate	5.78	43	2288988	9.642	ppbv	100
26) Hexane	5.79	57	1062716	9.696	ppbv	99
27) Carbon Disulfide	4.62	76	1471036	10.734	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	1969011	11.962	ppbv	100
29) Chloroform	5.86	83	1813092	9.271	ppbv	98
30) Cyclohexane	7.25	84	985757	10.851	ppbv	99
31) cis-1,2-Dichloroethene	5.65	61	1085143	10.789	ppbv	99
32) 1,1,1-Trichloroethane	6.63	97	1901466	9.189	ppbv	100
34) 2-Butanone	5.34	43	1508262	11.281	ppbv	100
35) Carbon Tetrachloride	7.14	117	2244923	9.305	ppbv	98
36) Benzene	7.01	78	2325017	10.299	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1414275	9.201	ppbv	99
38) Trichloroethene	7.97	130	984298	10.476	ppbv	98
39) 1,2-Dichloropropane	7.74	63	863505	10.085	ppbv	96
40) 1,4-Dioxane	7.96	88	325014	10.306	ppbv #	97
41) Tetrahydrofuran	6.15	42	887339	10.671	ppbv	100
42) Bromodichloromethane	7.92	83	2186371	10.267	ppbv	100
43) Methyl Methacrylate	8.14	69	948214	11.335	ppbv	99

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 ClientSampleId :
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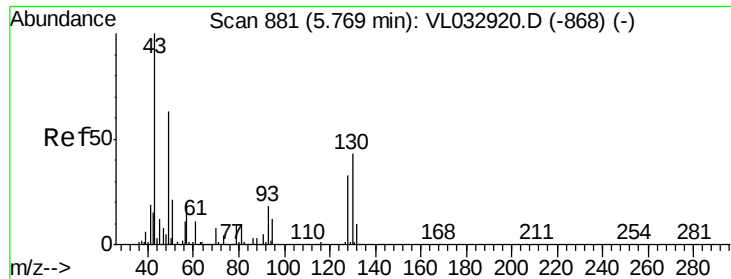
Manual Integrations
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 12/11/2018 10:08:36 AM

Quant Time: Dec 08 03:09:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 0
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4018225	10.485	ppbv	100
45) t-1,3-Dichloropropene	9.43	75	1366209	13.320	ppbv	98
46) cis-1,3-Dichloropropene	8.84	75	1348708	10.743	ppbv	97
47) 1,1,2-Trichloroethane	9.62	97	962266	10.211	ppbv	98
48) Dibromochloromethane	10.46	129	1828825	10.345	ppbv	100
49) Bromoform	13.21	173	1574582	10.829	ppbv	99
50) 4-Methyl-2-Pentanone	8.88	43	2070238	9.683	ppbv	99
51) 2-Hexanone	10.28	43	1667766	11.502	ppbv #	99
52) Tetrachloroethene	11.38	164	847174	10.316	ppbv	97
53) Toluene	9.95	91	2765230	11.549	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1565122	10.631	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.29	131	1328151	9.271	ppbv	99
57) Chlorobenzene	12.31	112	2134596	9.198	ppbv	97
58) Ethyl Benzene	12.87	91	3775633	11.015	ppbv	98
59) m/p-Xylene	13.13	91	6454098m	20.768	ppbv	
60) o-Xylene	13.86	91	3176834	10.123	ppbv	100
61) Styrene	13.69	104	2432702	11.653	ppbv	100
62) Isopropylbenzene	14.84	105	4437252	10.134	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.84	83	2202340	9.037	ppbv	100
64) n-propylbenzene	15.73	120	1204923	10.595	ppbv	99
65) tert-Butylbenzene	16.92	119	4319207	10.640	ppbv	99
66) Benzyl Chloride	17.16	91	2549793	11.333	ppbv	100
67) sec-Butylbenzene	17.47	105	6069426	10.142	ppbv	100
69) p-Isopropyltoluene	17.83	119	5010638	10.331	ppbv	100
70) n-Butylbenzene	18.72	91	4648918	10.418	ppbv	100
71) 2-Chlorotoluene	15.63	91	3489599	10.717	ppbv	99
72) 4-Ethyltoluene	16.01	105	3849085	10.986	ppbv	100
73) 1,3,5-Trimethylbenzene	16.17	105	3474179	10.157	ppbv	100
74) 1,2,4-Trimethylbenzene	16.94	105	3944419	10.213	ppbv	97
75) 1,3-Dichlorobenzene	17.17	146	2188778	9.624	ppbv	100
76) 1,4-Dichlorobenzene	17.32	146	2123045	10.004	ppbv	100
77) 1,2-Dichlorobenzene	18.00	146	2098933	9.882	ppbv	100
78) Hexachloro-1,3-Butadiene	23.55	225	922676	7.899	ppbv	99
79) Naphthalene	22.42	128	2699922	10.827	ppbv	97
80) Naphthalene,2-methyl-	25.12	142	750528	14.086	ppbv	99
81) 1,2,4-Trichlorobenzene	22.14	180	1357509	10.264	ppbv	99

(#) = 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

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 49 Resp: 1170835

Ion Ratio Lower Upper

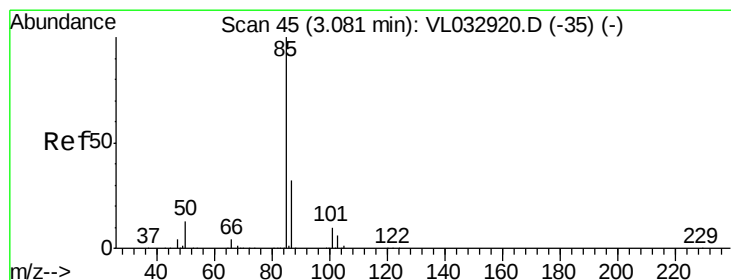
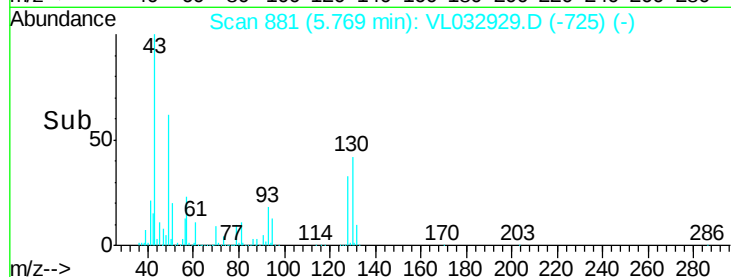
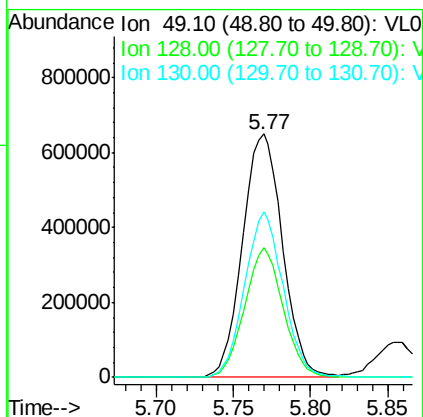
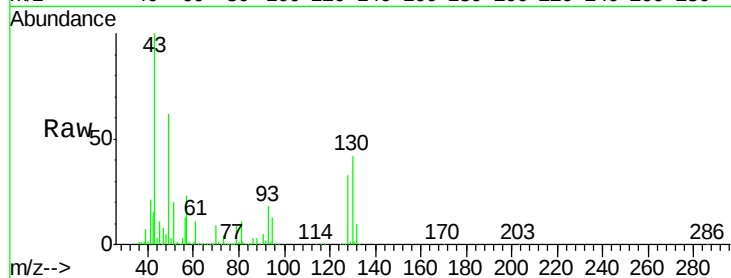
49 100

128 51.5 26.3 78.8

130 65.4 33.9 101.7

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#2

Dichlorodifluoromethane

Concen: 6.740 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.00 min

Lab File: VL032929.D

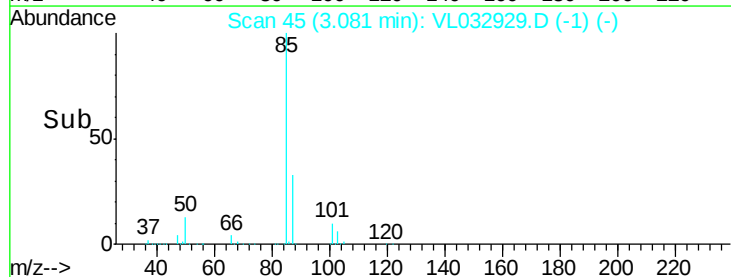
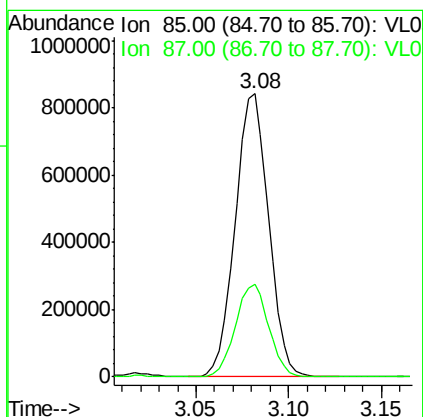
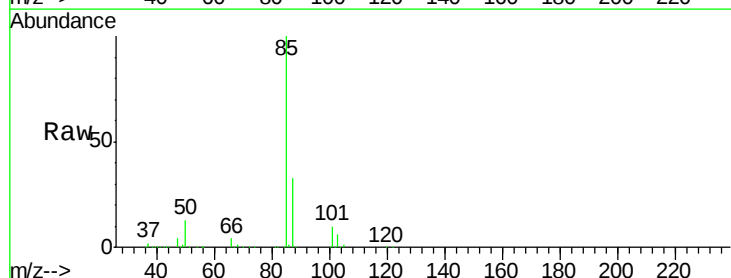
Acq: 7 Dec 2018 11:07

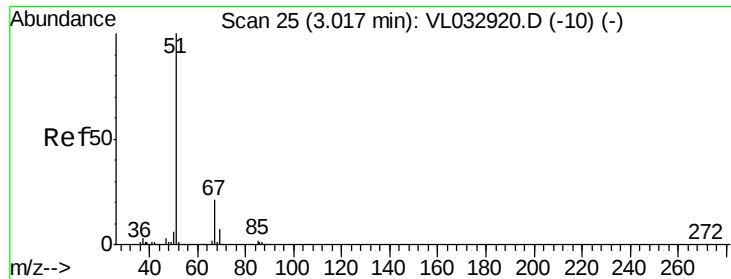
Tgt Ion: 85 Resp: 1053493

Ion Ratio Lower Upper

85 100

87 32.8 25.7 38.5





#3

Chlorodifluoromethane

Concen: 10.042 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 51 Resp: 890405

Ion Ratio Lower Upper

51 100

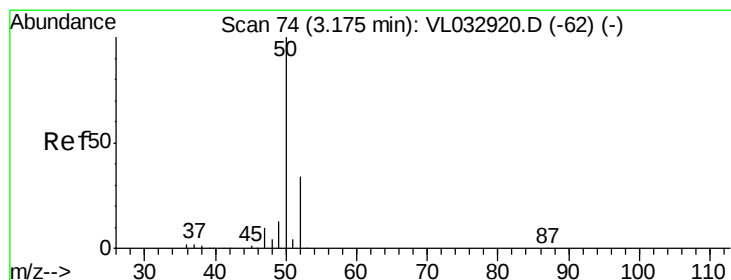
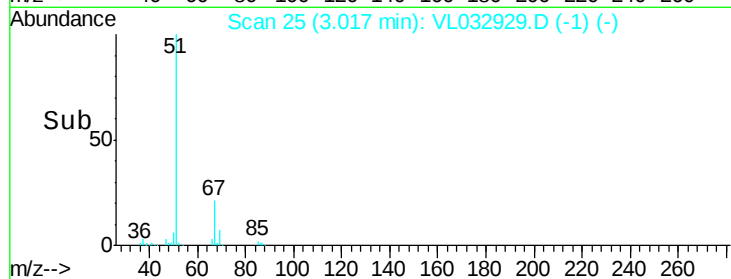
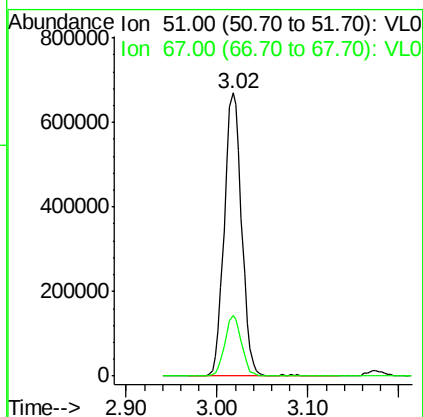
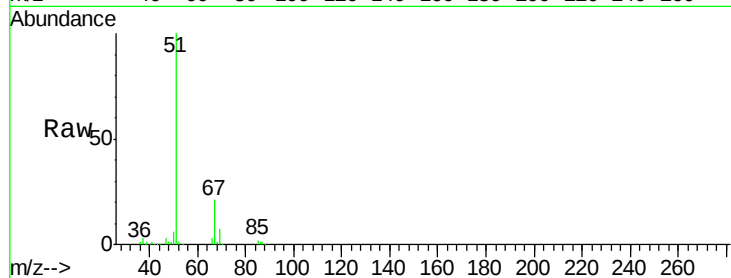
67 20.8 16.8 25.2

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12/11/2018 10:08:36 AM



#4

Chloromethane

Concen: 9.250 ppbv

RT: 3.17 min Scan# 74

Delta R.T. 0.00 min

Lab File: VL032929.D

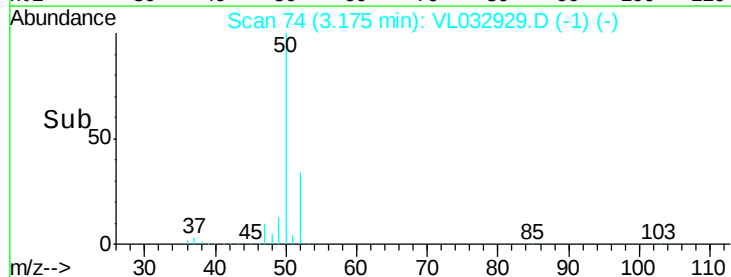
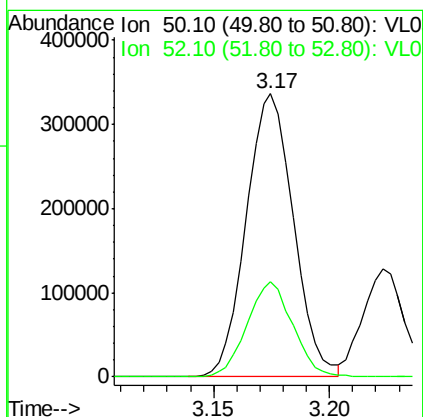
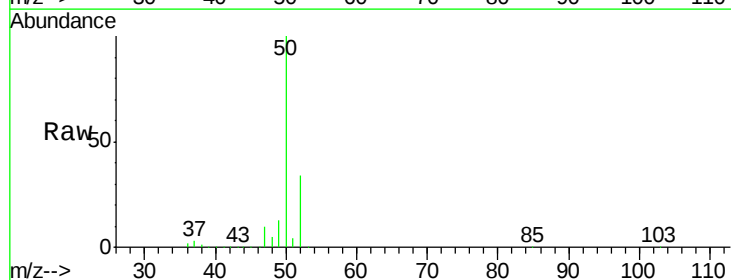
Acq: 7 Dec 2018 11:07

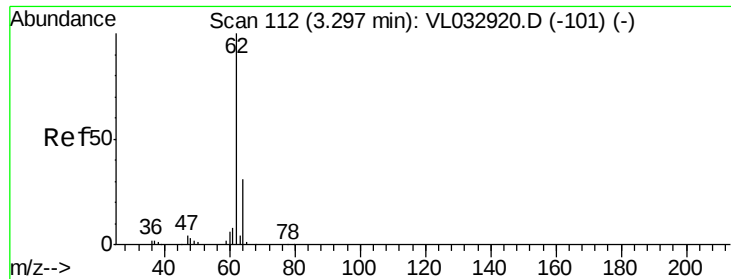
Tgt Ion: 50 Resp: 477511

Ion Ratio Lower Upper

50 100

52 33.8 27.3 40.9





#5

Vinyl Chloride

Concen: 9.398 ppbv

RT: 3.29 min Scan# 111

Delta R.T. -0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 62 Resp: 493656

Ion Ratio Lower Upper

62 100

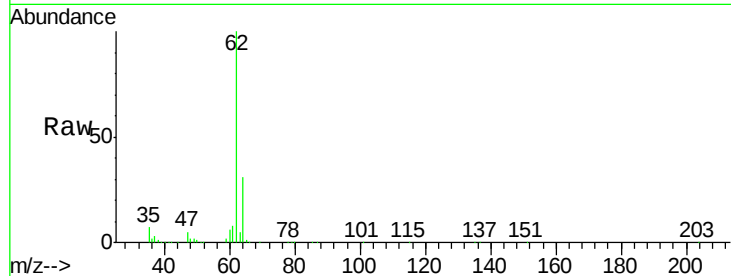
64 31.4 24.8 37.2

Manual Integrations

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12/11/2018 10:08:36 AM



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.29

400000

300000

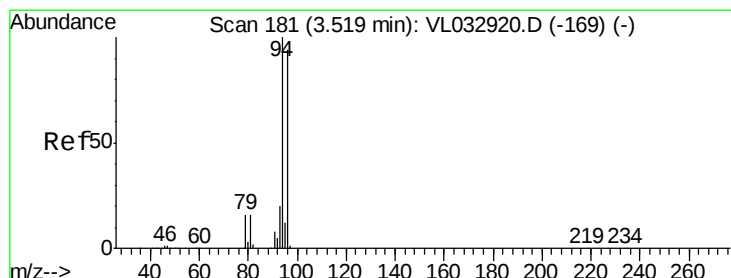
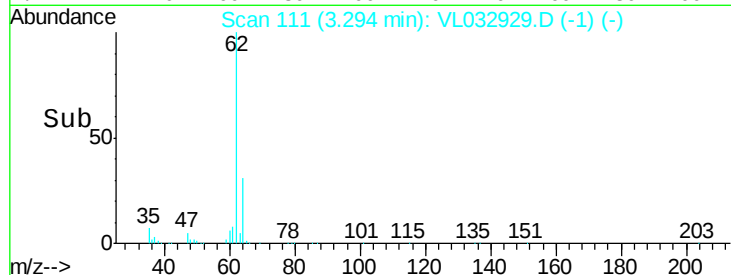
200000

100000

0

3.25 3.30 3.35

Time-->



#6

Bromomethane

Concen: 10.446 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032929.D

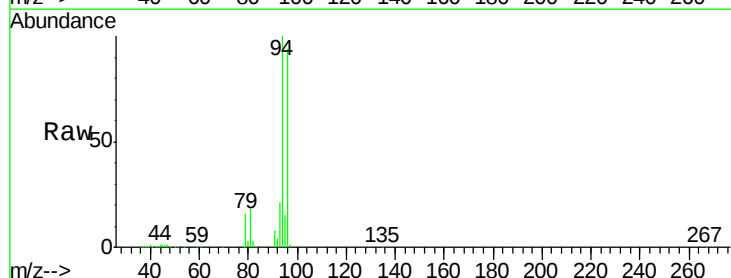
Acq: 7 Dec 2018 11:07

Tgt Ion: 94 Resp: 343176

Ion Ratio Lower Upper

94 100

96 94.3 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

150000

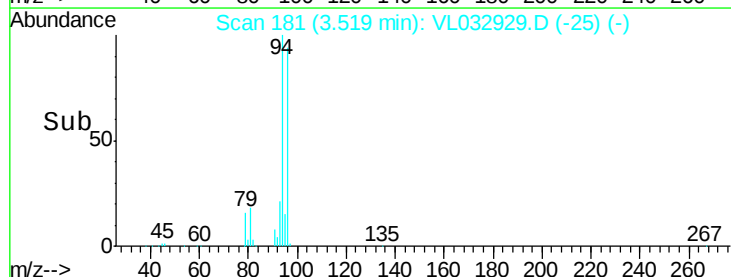
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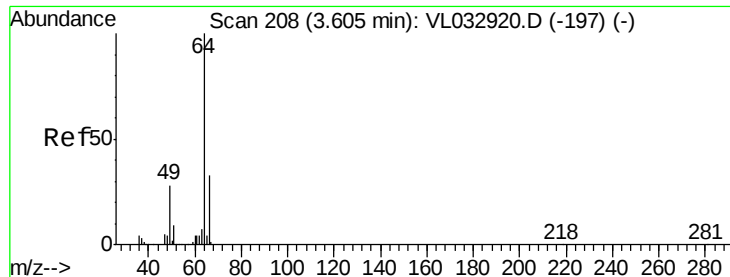
50000

0

3.45 3.50 3.55

Time-->





#7

Chloroethane

Concen: 10.345 ppbv

RT: 3.60 min Scan# 207

Delta R.T. -0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 64 Resp: 194744

Ion Ratio Lower Upper

64 100

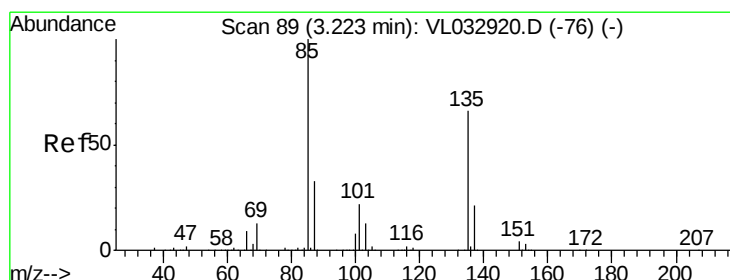
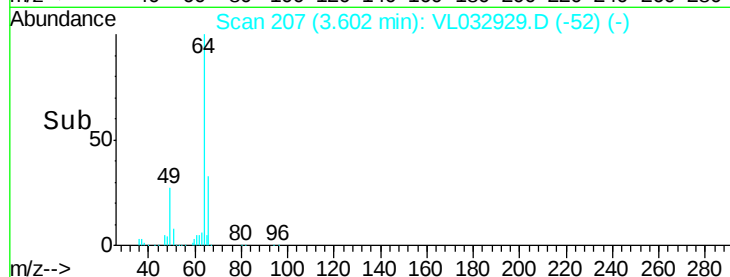
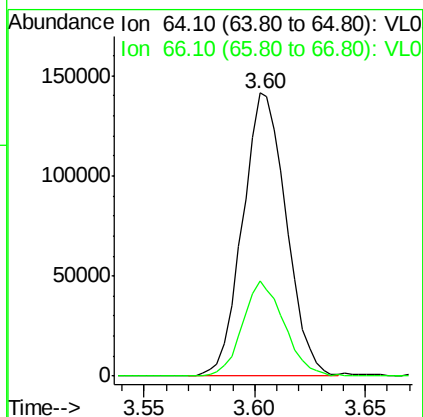
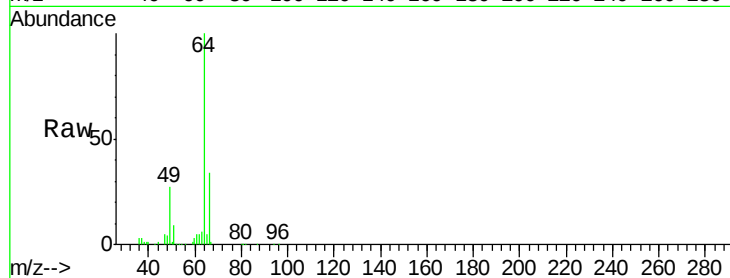
66 33.5 26.6 40.0

Manual Integrations

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12/11/2018 10:08:36 AM



#8

Dichlorotetrafluoroethane

Concen: 9.756 ppbv

RT: 3.22 min Scan# 89

Delta R.T. 0.00 min

Lab File: VL032929.D

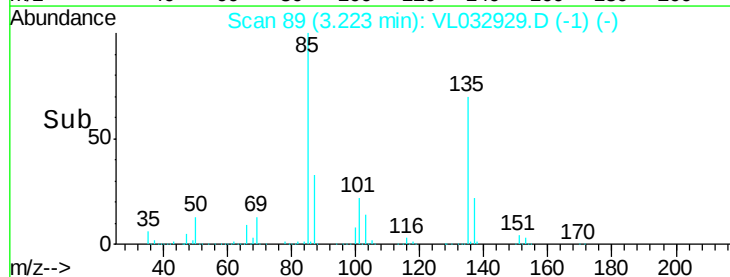
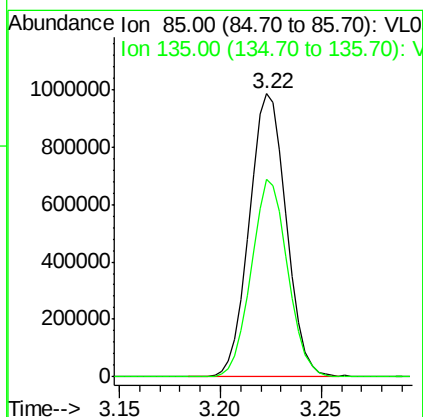
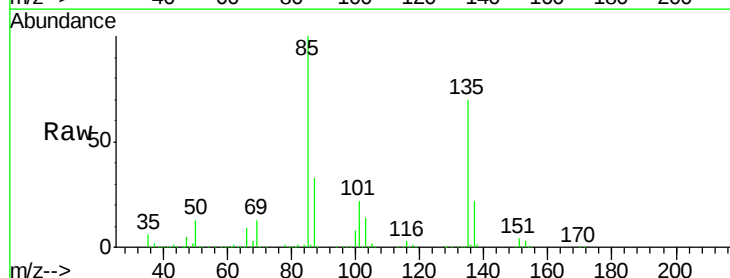
Acq: 7 Dec 2018 11:07

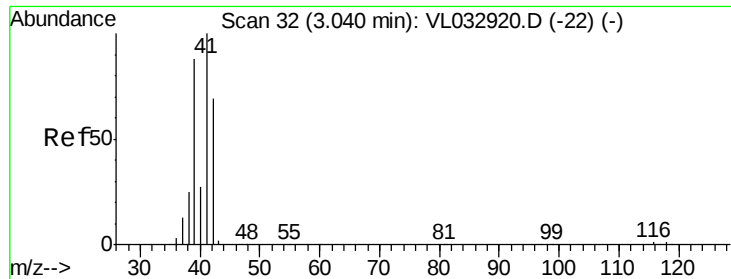
Tgt Ion: 85 Resp: 1267175

Ion Ratio Lower Upper

85 100

135 68.7 54.5 81.7





#9

Propene

Concen: 10.005 ppbv

RT: 3.04 min Scan# 32

Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 41 Resp: 350809

Ion Ratio Lower Upper

41 100

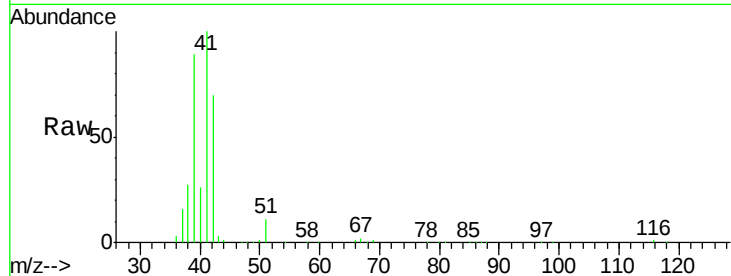
42 68.0 56.2 84.2

Manual Integrations

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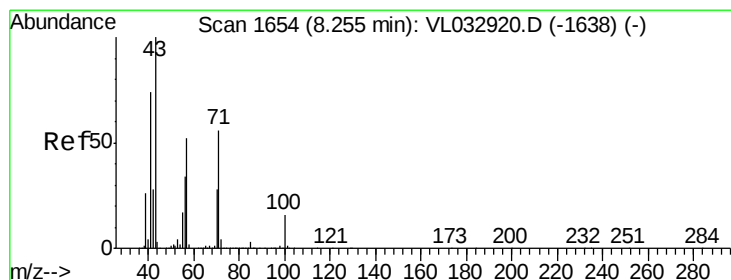
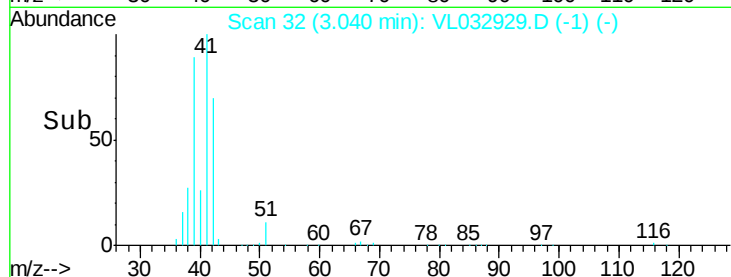
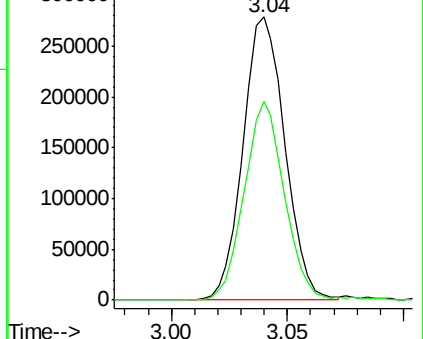
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12/11/2018 10:08:36 AM



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.978 ppbv

RT: 8.25 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL032929.D

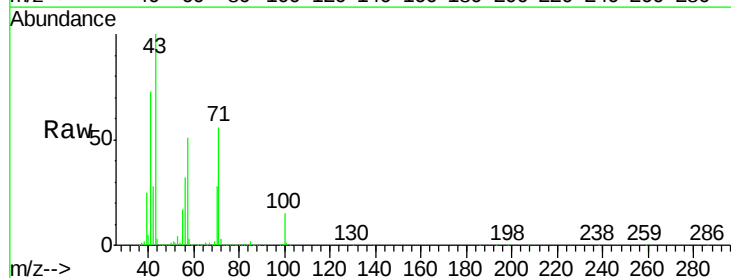
Acq: 7 Dec 2018 11:07

Tgt Ion: 43 Resp: 1445878

Ion Ratio Lower Upper

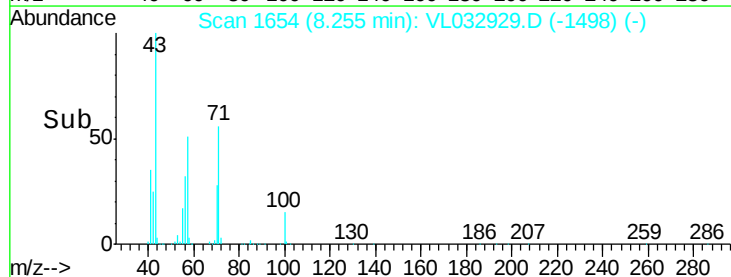
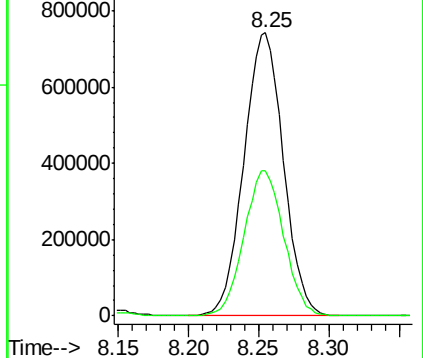
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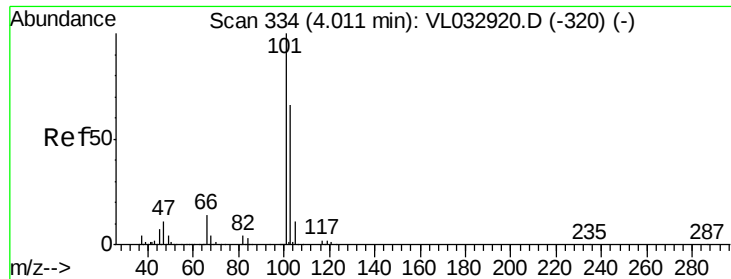
57 52.0 41.8 62.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





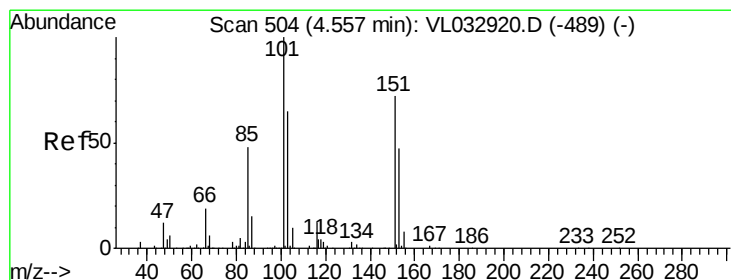
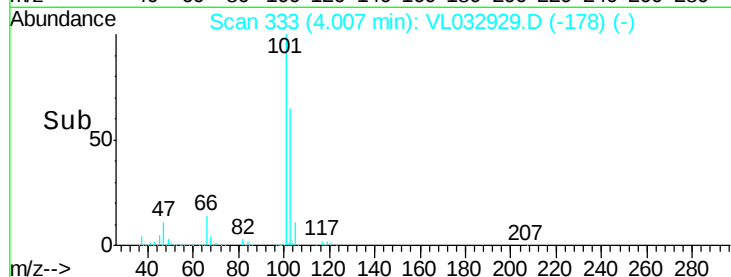
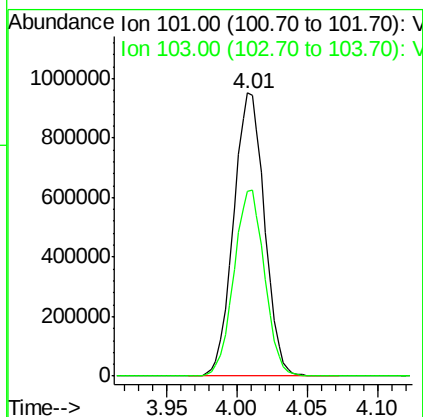
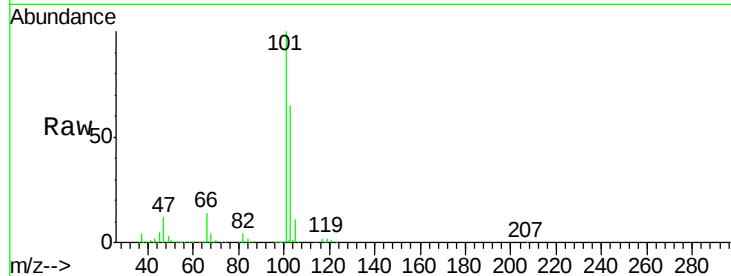
#11
 Trichlorofluoromethane
 Concen: 9.928 ppbv
 RT: 4.01 min Scan# 333
 Delta R.T. -0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion:101 Resp: 1461983
 Ion Ratio Lower Upper
 101 100
 103 65.4 52.7 79.1

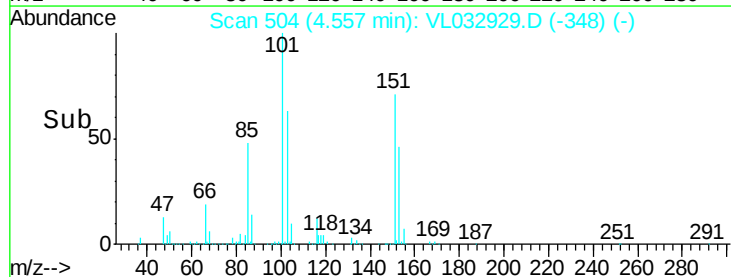
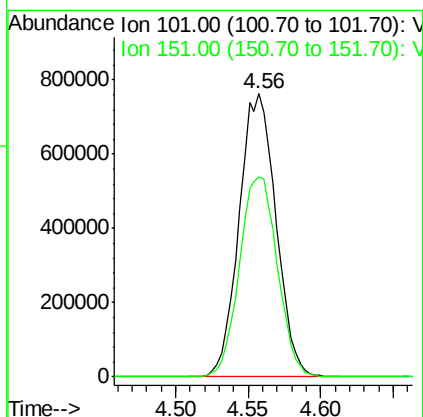
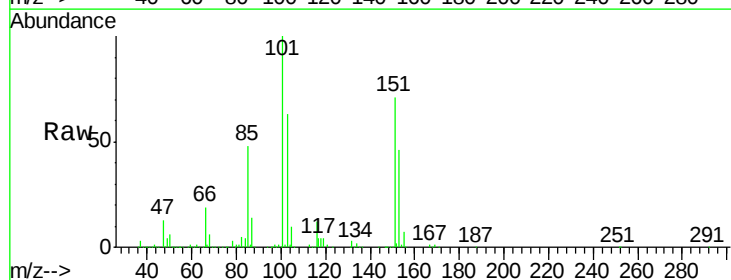
Manual Integrations
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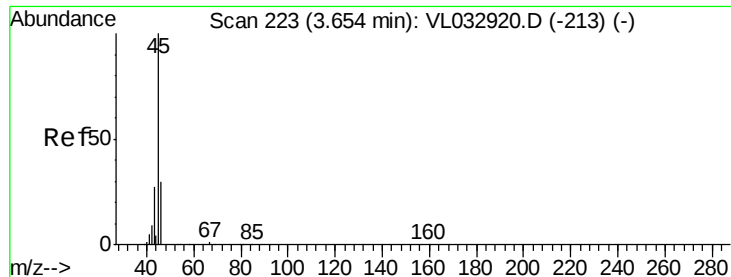
MMDadoda
 12/11/2018 10:08:36 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.721 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Tgt Ion:101 Resp: 1346954
 Ion Ratio Lower Upper
 101 100
 151 73.0 59.3 88.9





#13

Ethanol

Concen: 8.239 ppbv

RT: 3.66 min Scan# 224

Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 45 Resp: 99465

Ion Ratio Lower Upper

45 100

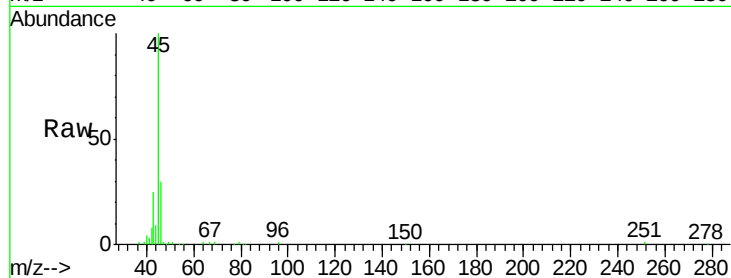
46 36.3 13.8 55.4

Manual Integrations

APPROVED

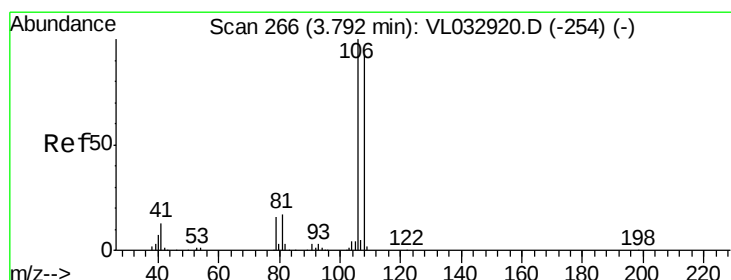
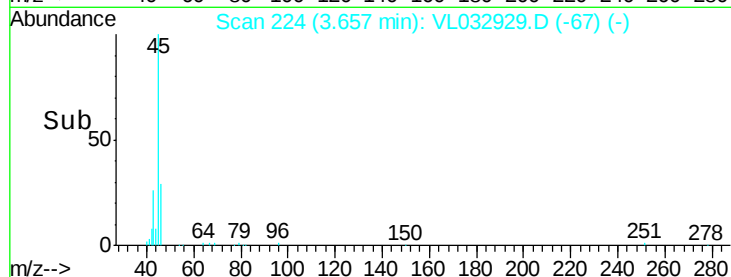
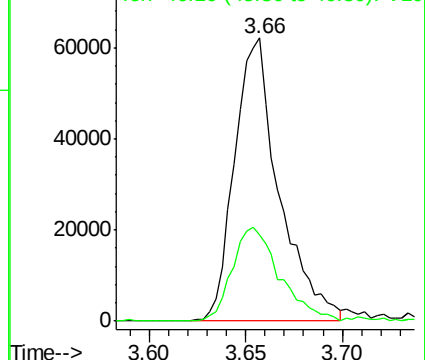
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 10.452 ppbv

RT: 3.79 min Scan# 266

Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

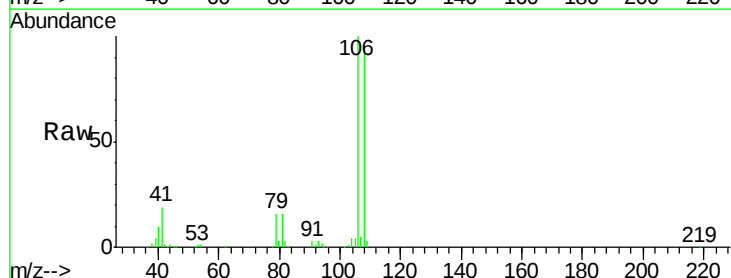
Tgt Ion: 108 Resp: 435977

Ion Ratio Lower Upper

108 100

106 105.3 85.4 128.2

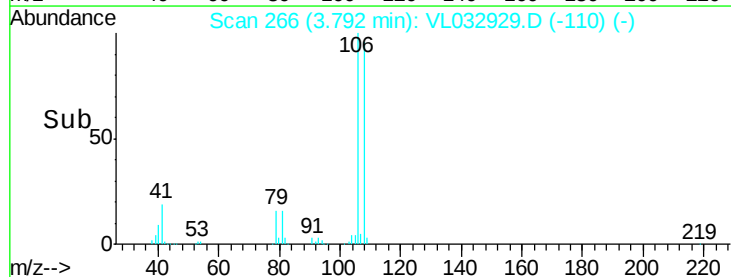
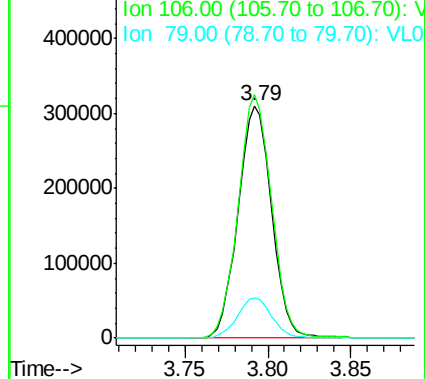
79 17.8 14.6 21.8

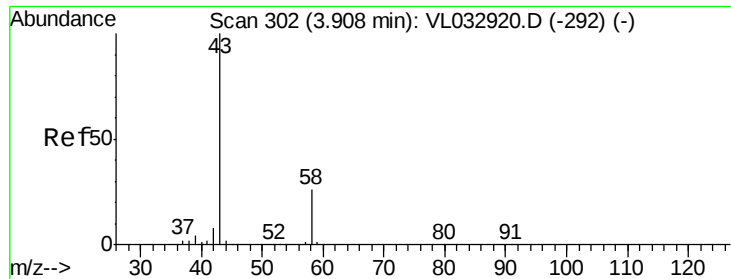


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





#15

Acetone

Concen: 9.017 ppbv

RT: 3.90 min Scan# 301

Delta R.T. -0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 43 Resp: 906137

Ion Ratio Lower Upper

43 100

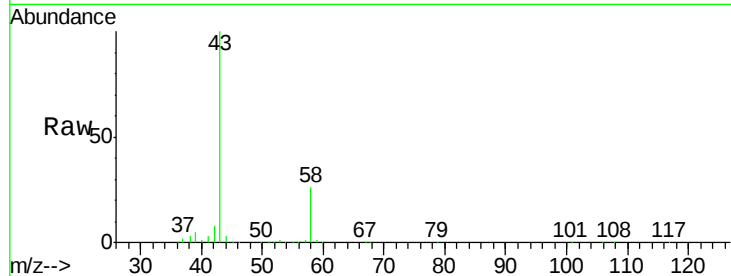
58 26.2 20.6 30.8

Manual Integrations

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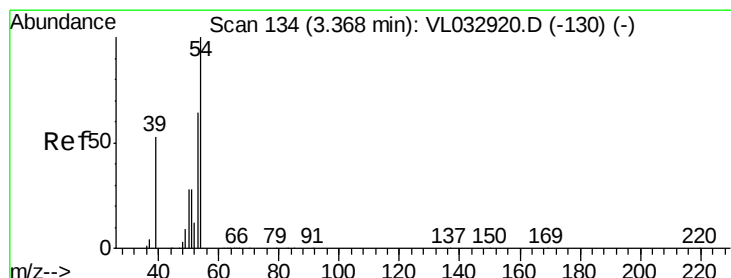
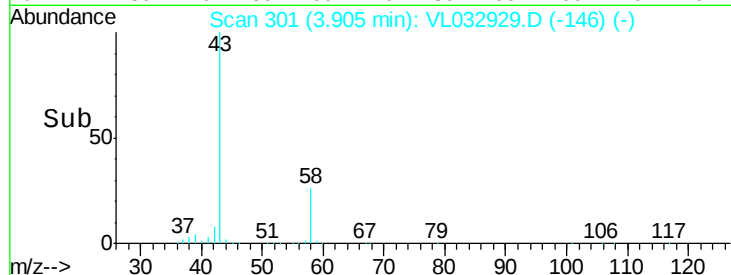
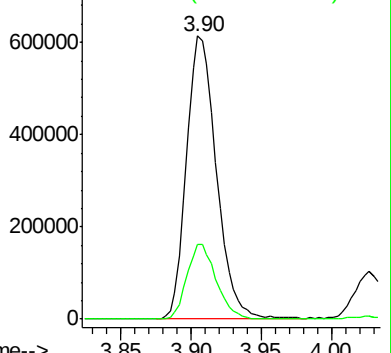
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 10.204 ppbv

RT: 3.37 min Scan# 134

Delta R.T. 0.00 min

Lab File: VL032929.D

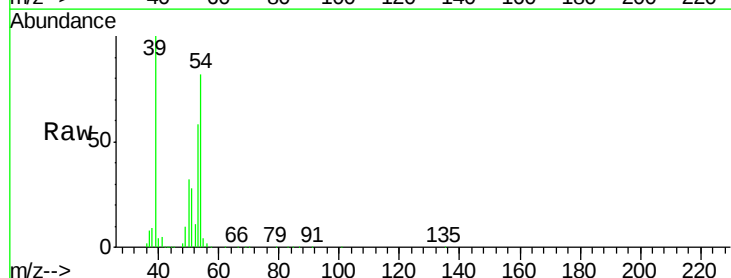
Acq: 7 Dec 2018 11:07

Tgt Ion: 39 Resp: 406834

Ion Ratio Lower Upper

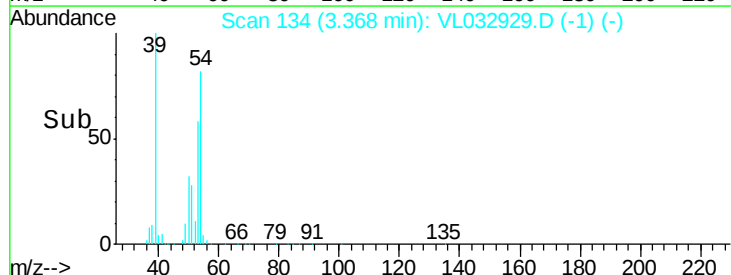
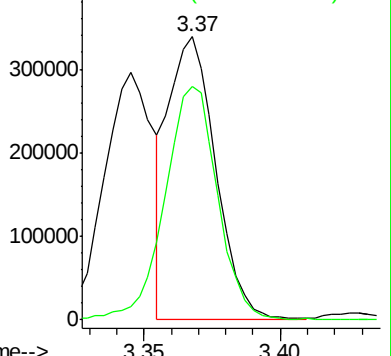
39 100

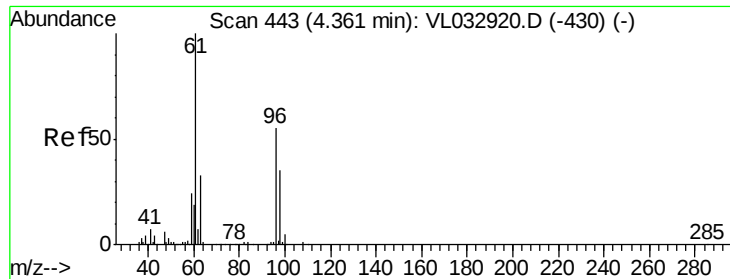
54 92.7 72.7 109.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





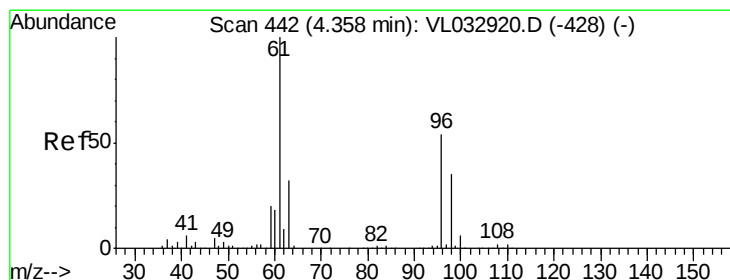
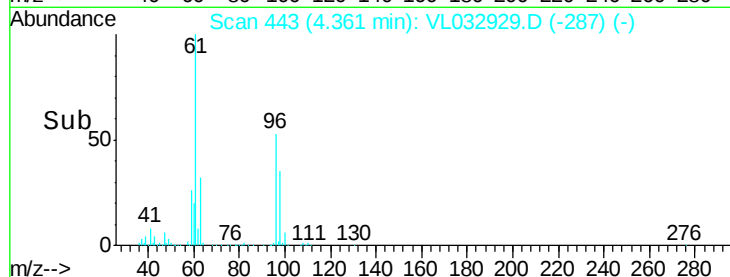
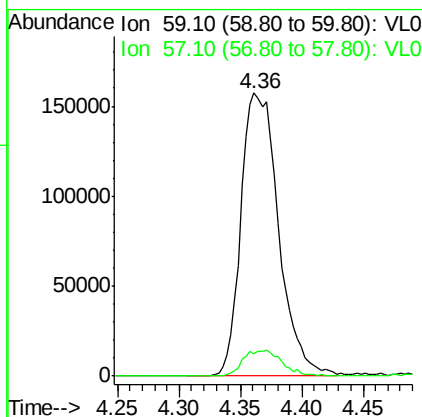
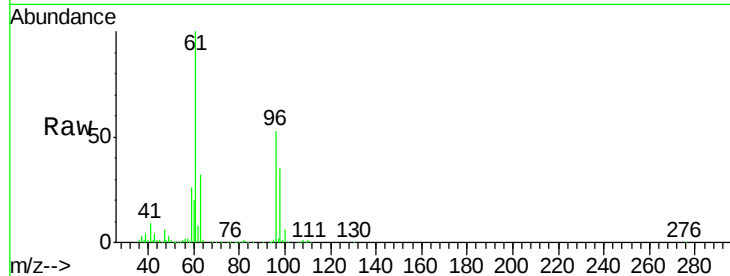
#17
tert-Butyl alcohol
Concen: 13.053 ppbv
RT: 4.36 min Scan# 443
Delta R.T. 0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion: 59 Resp: 333987
Ion Ratio Lower Upper
59 100
57 0.0 0.6 1.0#

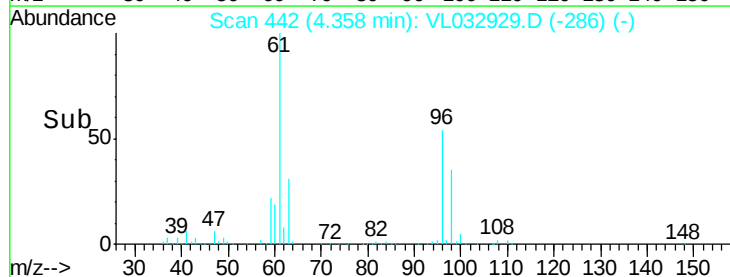
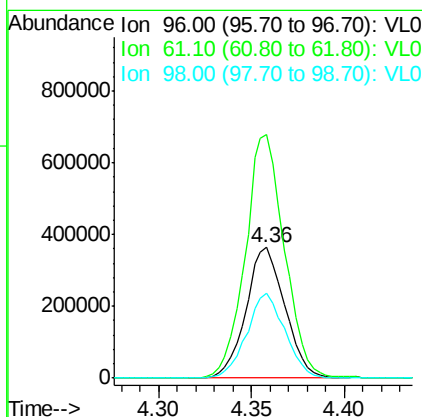
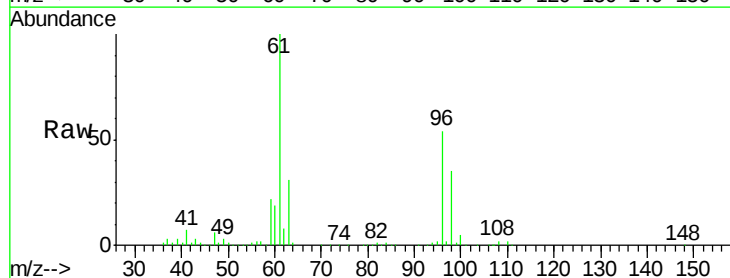
Manual Integrations
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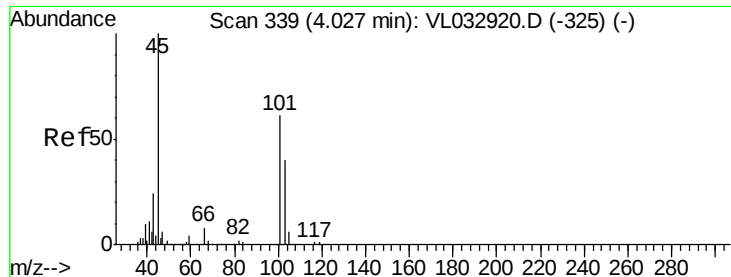
MMDadoda
12/11/2018 10:08:36 AM



#18
1,1-Dichloroethene
Concen: 10.807 ppbv
RT: 4.36 min Scan# 442
Delta R.T. 0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Tgt Ion: 96 Resp: 531771
Ion Ratio Lower Upper
96 100
61 186.3 147.0 220.4
98 65.0 50.7 76.1





#19

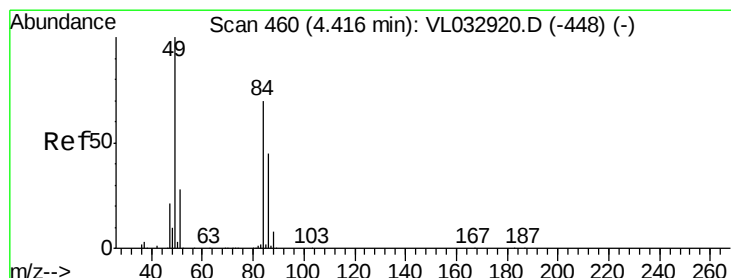
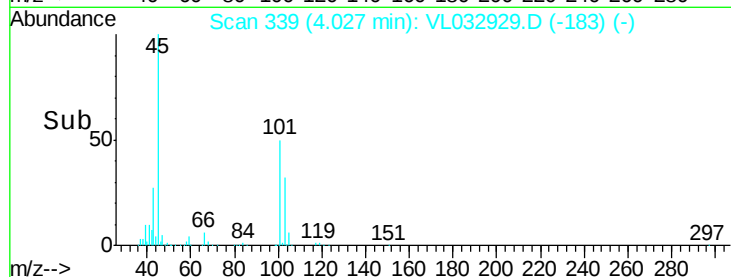
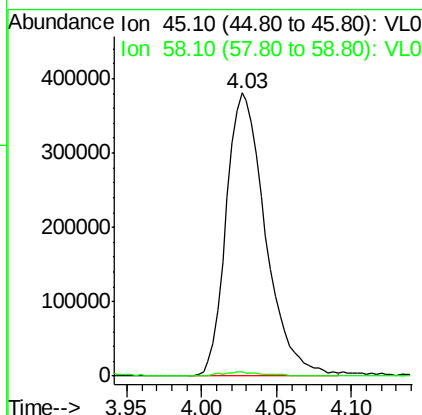
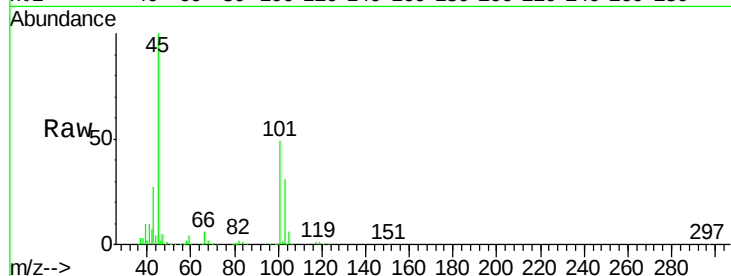
Isopropyl Alcohol
 Concen: 10.996 ppbv
 RT: 4.03 min Scan# 339
 Delta R.T. 0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion: 45 Resp: 693972
 Ion Ratio Lower Upper
 45 100
 58 2.0 1.4 2.2

Manual Integrations
 APPROVED

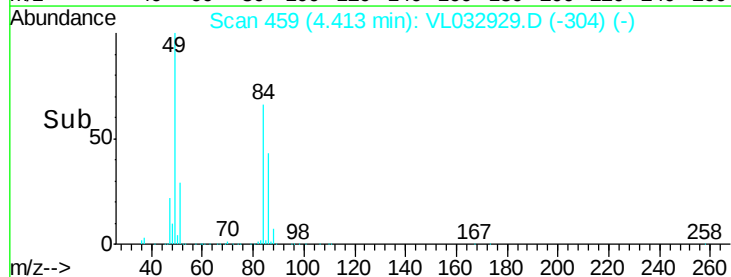
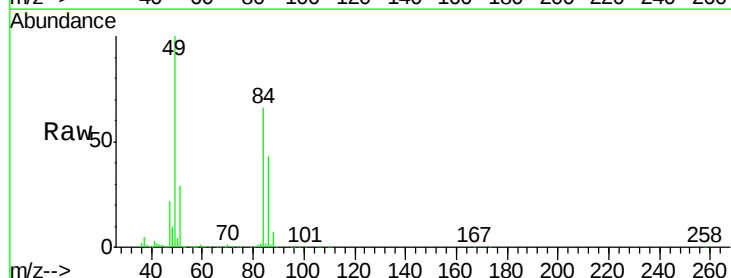
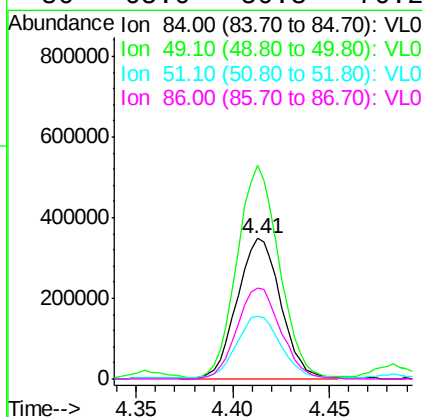
MMDadoda
 12/11/2018 10:08:36 AM

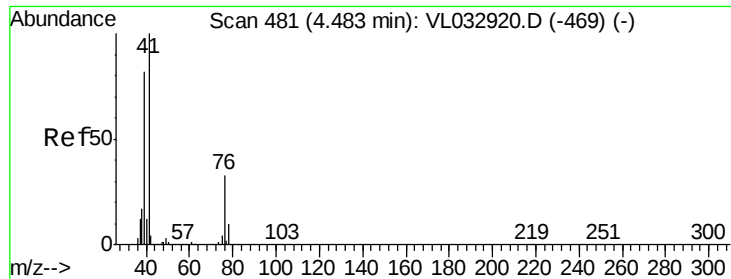


#20

Methylene Chloride
 Concen: 11.093 ppbv
 RT: 4.41 min Scan# 459
 Delta R.T. -0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Tgt Ion: 84 Resp: 544851
 Ion Ratio Lower Upper
 84 100
 49 151.2 113.8 170.8
 51 43.9 31.8 47.8
 86 65.0 50.8 76.2





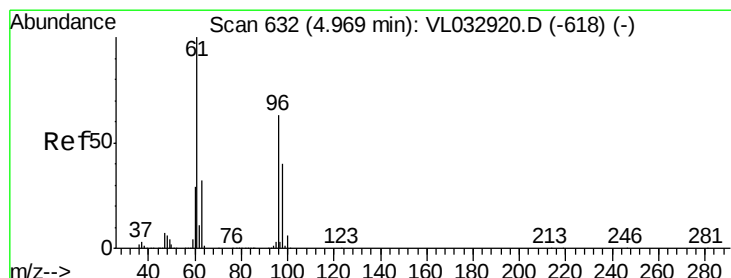
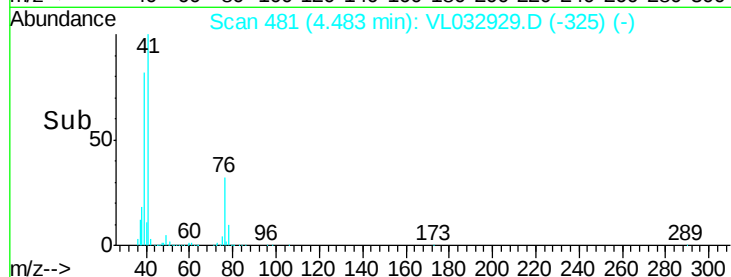
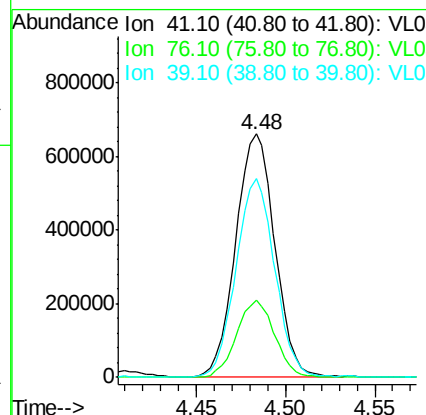
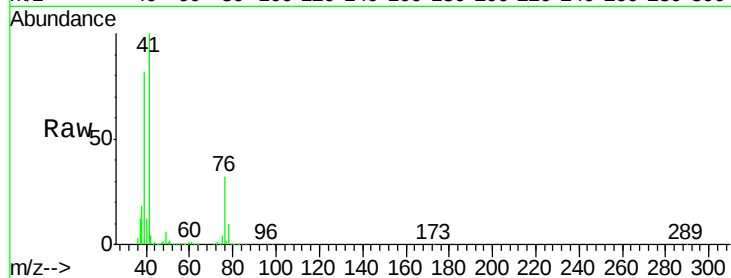
#21
 Allyl Chloride
 Concen: 12.233 ppbv
 RT: 4.48 min Scan# 481
 Delta R.T. 0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion: 41 Resp: 1001867
 Ion Ratio Lower Upper
 41 100
 76 31.2 25.2 37.8
 39 81.5 65.2 97.8

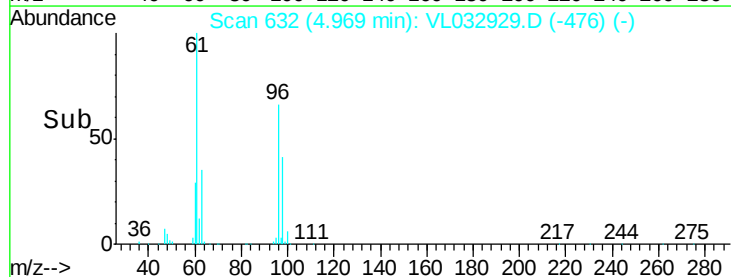
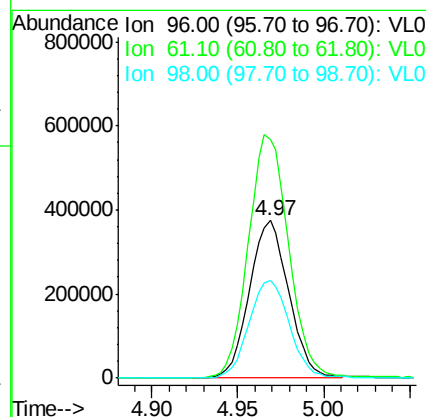
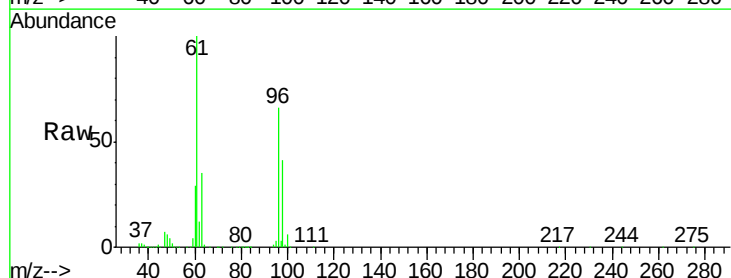
Manual Integrations
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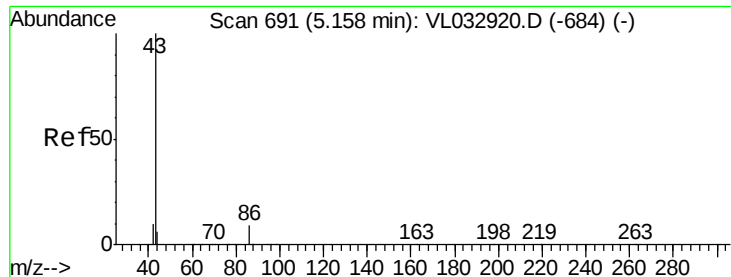
MMDadoda
 12/11/2018 10:08:36 AM



#22
 trans-1,2-Dichloroethene
 Concen: 9.739 ppbv
 RT: 4.97 min Scan# 632
 Delta R.T. 0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Tgt Ion: 96 Resp: 594750
 Ion Ratio Lower Upper
 96 100
 61 151.3 127.1 190.7
 98 61.9 51.3 76.9





#23

Vinyl Acetate

Concen: 11.370 ppbv

RT: 5.16 min Scan# 692

Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 43 Resp: 1934630

Ion Ratio Lower Upper

43 100

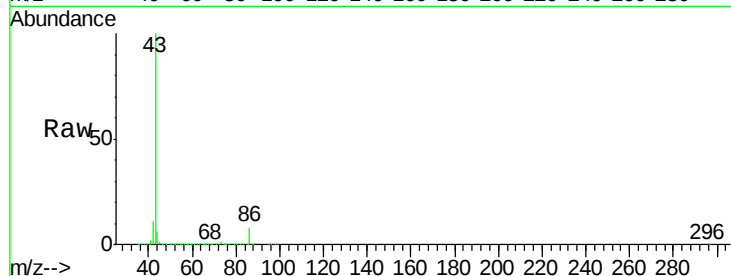
86 8.2 6.6 9.8

42 10.7 8.3 12.5

44 5.5 4.2 6.4

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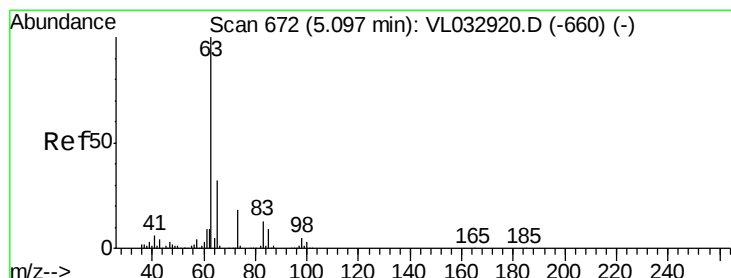
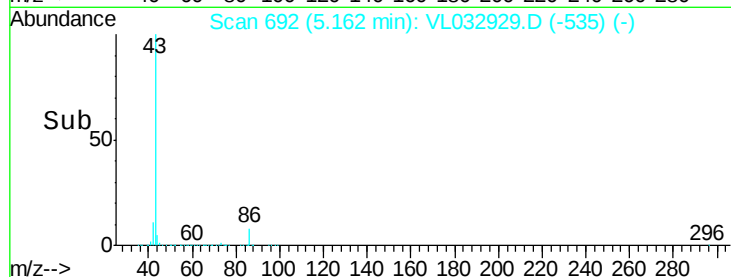
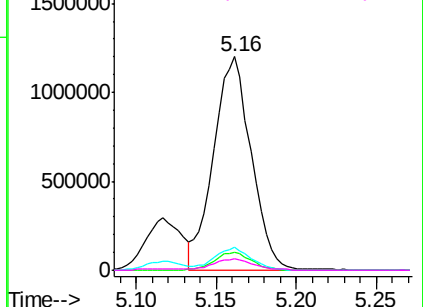


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.750 ppbv

RT: 5.10 min Scan# 672

Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

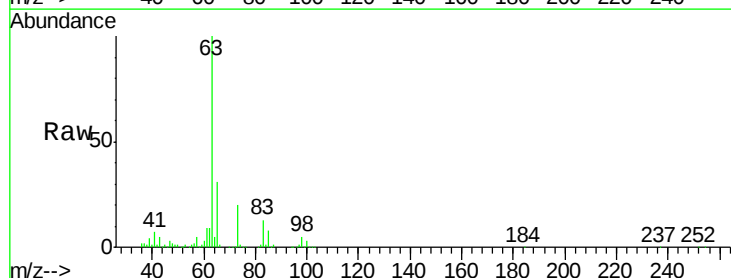
Tgt Ion: 63 Resp: 1590515

Ion Ratio Lower Upper

63 100

98 4.6 2.5 7.5

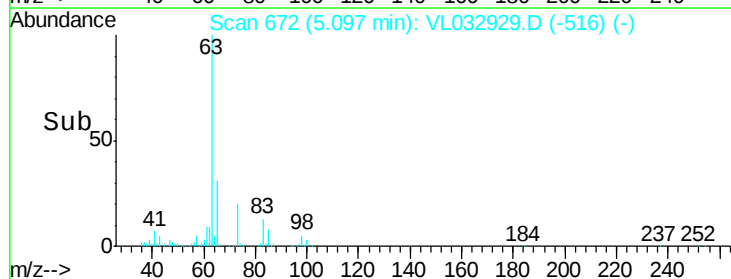
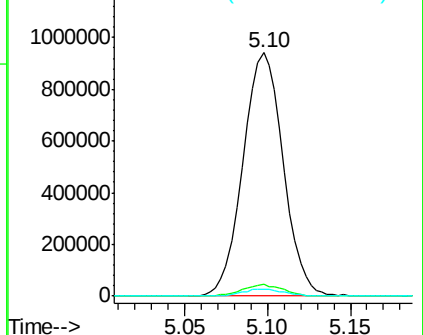
100 2.7 1.4 4.2

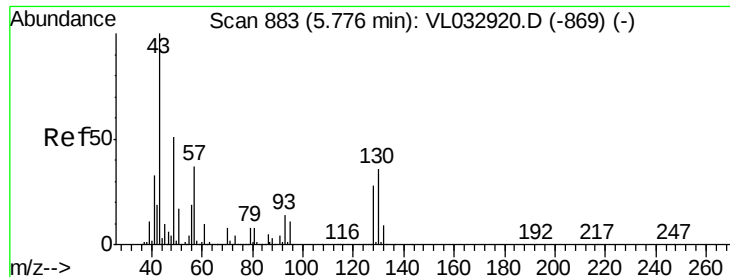


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





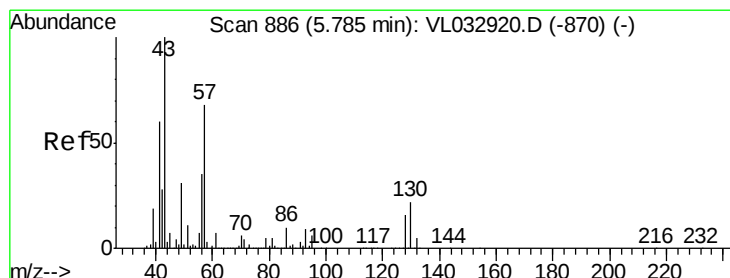
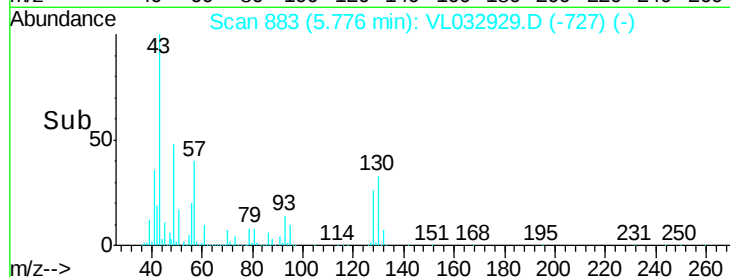
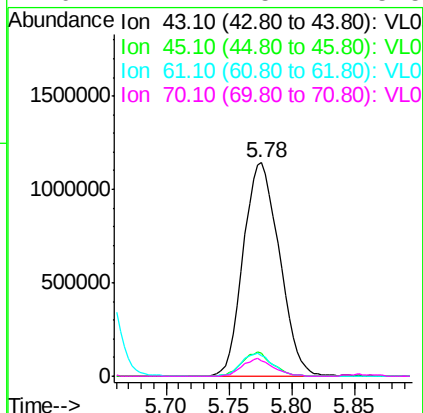
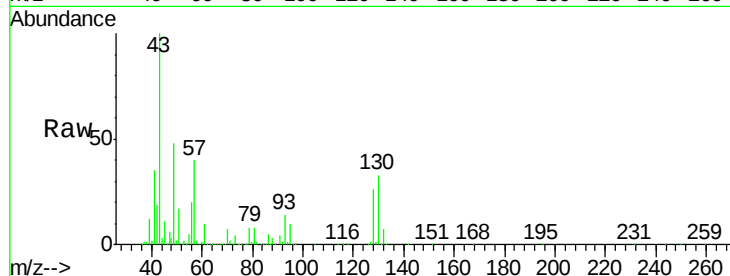
#25
Ethyl Acetate
Concen: 9.642 ppbv
RT: 5.78 min Scan# 883
Delta R.T. 0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.6	7.8	11.6
61	9.4	7.4	11.2
70	7.1	5.7	8.5

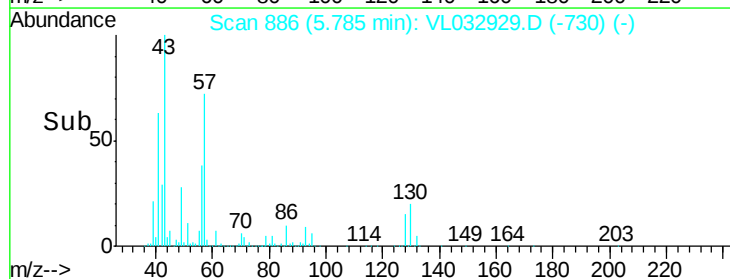
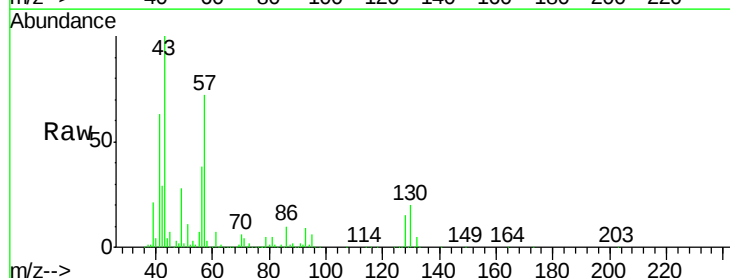
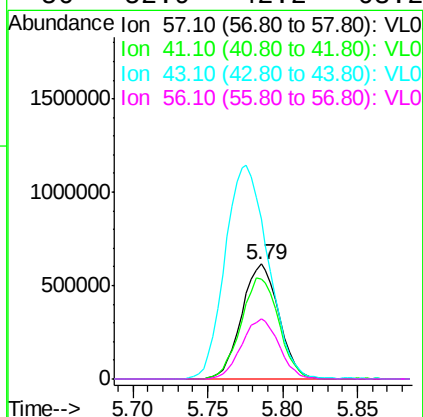
Manual Integrations
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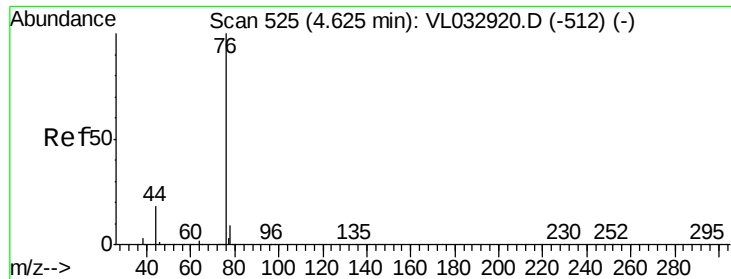
MMDadoda
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#26
Hexane
Concen: 9.696 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
57	100		
41	89.5	72.2	108.2
43	216.2	171.9	257.9
56	52.9	42.2	63.2





#27

Carbon Disulfide

Concen: 10.734 ppbv

RT: 4.62 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 76 Resp: 1471036

Ion Ratio Lower Upper

76 100

44 18.1 14.7 22.1

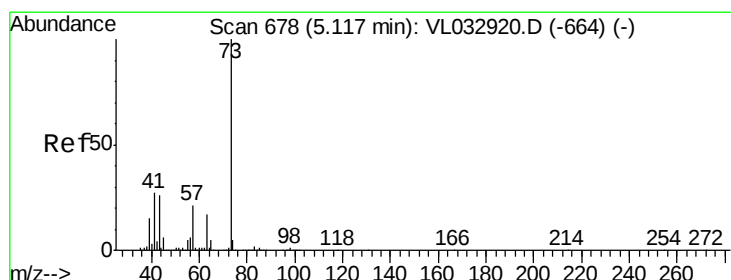
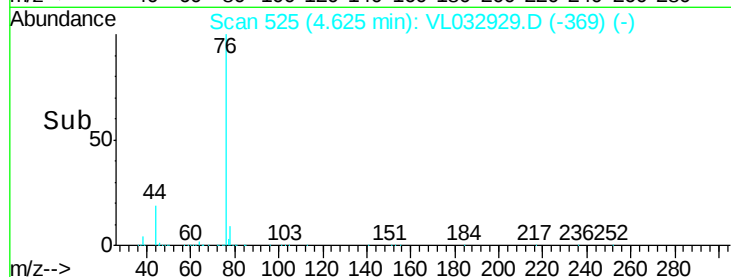
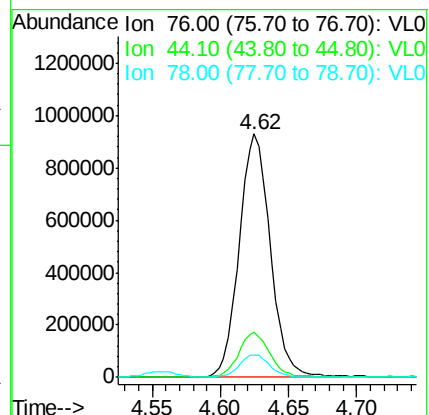
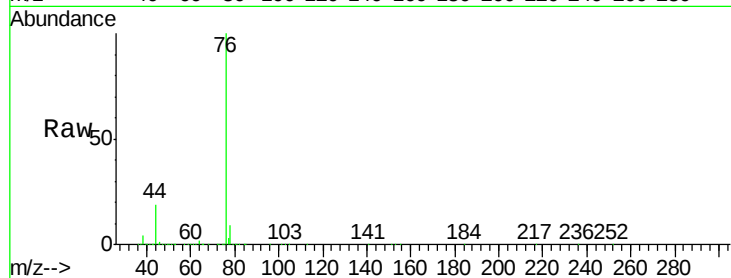
78 9.2 7.4 11.2

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#28

Methyl tert-Butyl Ether

Concen: 11.962 ppbv

RT: 5.12 min Scan# 678

Delta R.T. 0.00 min

Lab File: VL032929.D

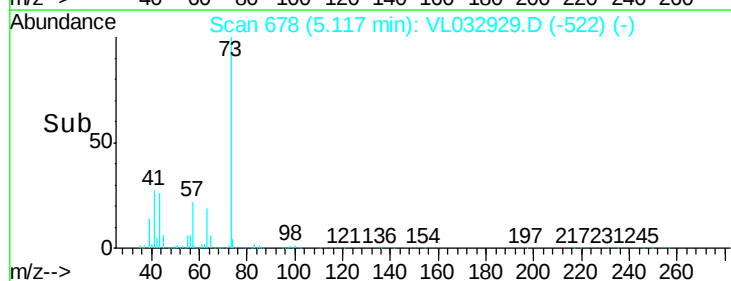
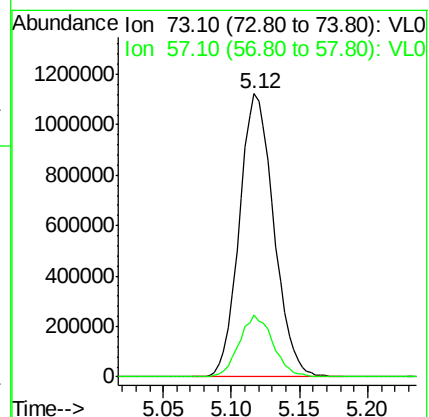
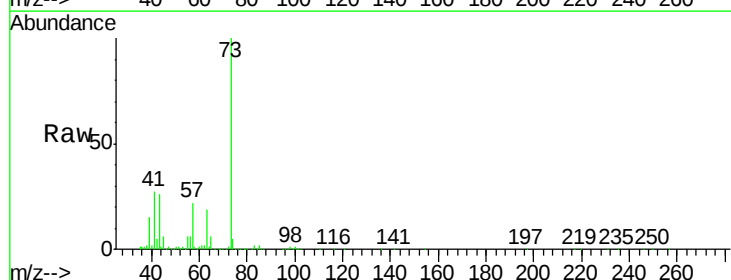
Acq: 7 Dec 2018 11:07

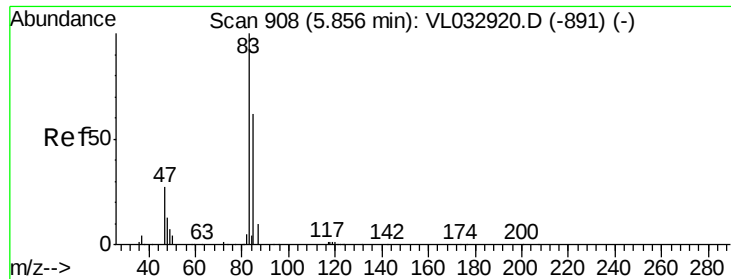
Tgt Ion: 73 Resp: 1969011

Ion Ratio Lower Upper

73 100

57 21.6 17.4 26.0





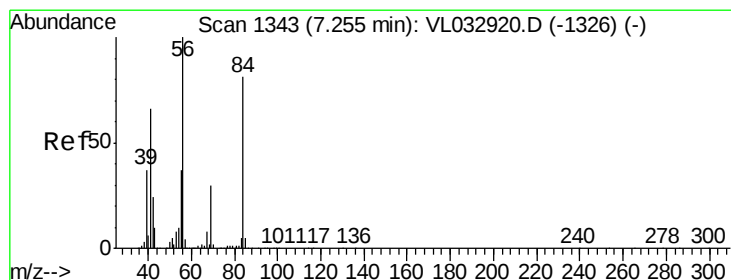
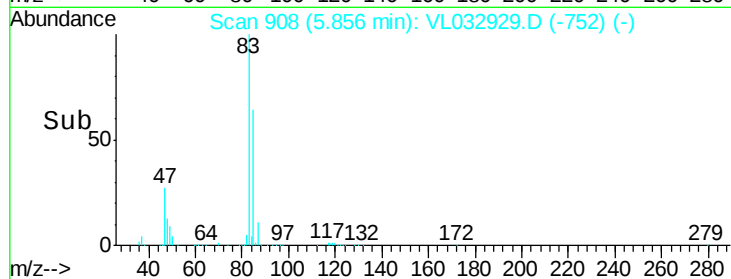
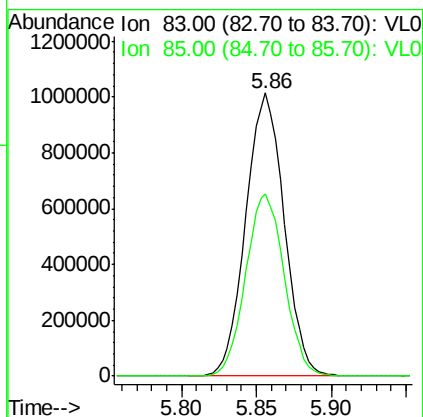
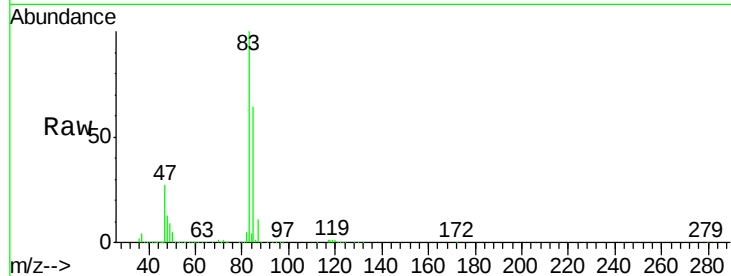
#29
Chloroform
Concen: 9.271 ppbv
RT: 5.86 min Scan# 908
Delta R.T. 0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion: 83 Resp: 1813092
Ion Ratio Lower Upper
83 100
85 64.2 49.8 74.8

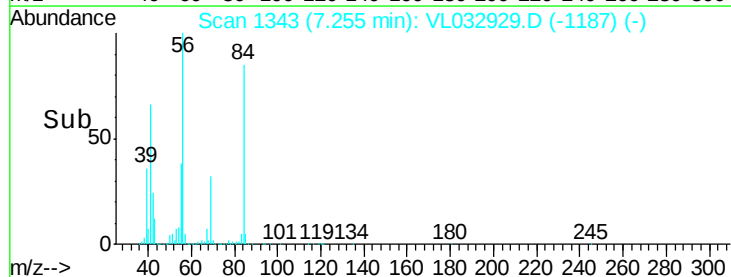
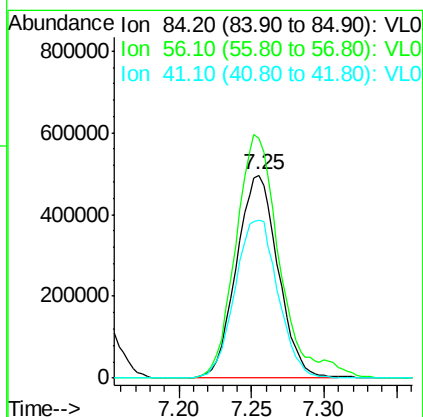
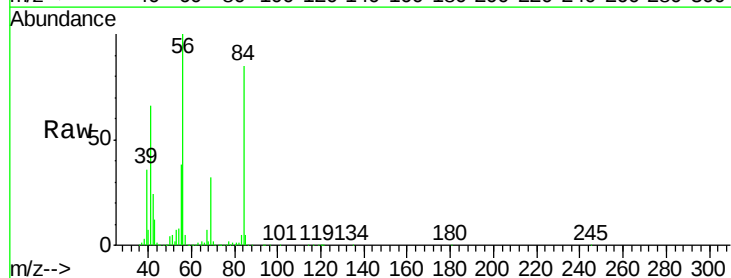
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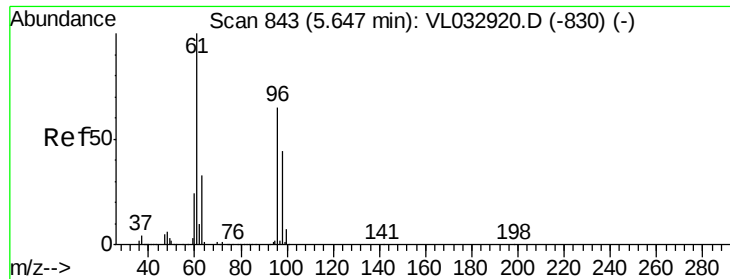
MMDadoda
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#30
Cyclohexane
Concen: 10.851 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. 0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Tgt Ion: 84 Resp: 985757
Ion Ratio Lower Upper
84 100
56 127.5 102.5 153.7
41 81.1 64.1 96.1





#31

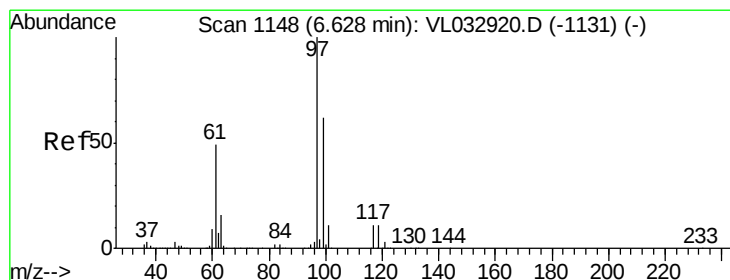
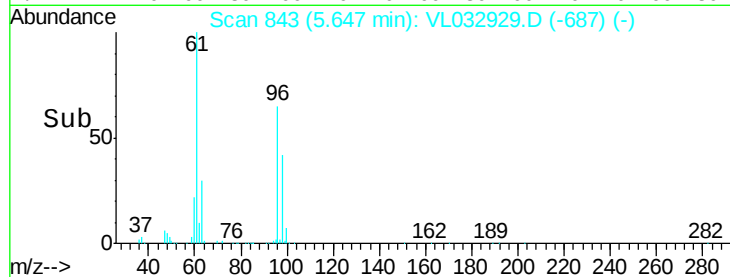
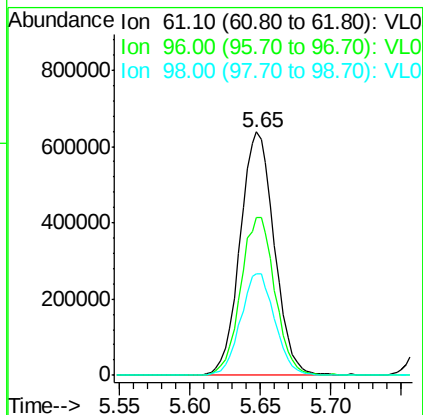
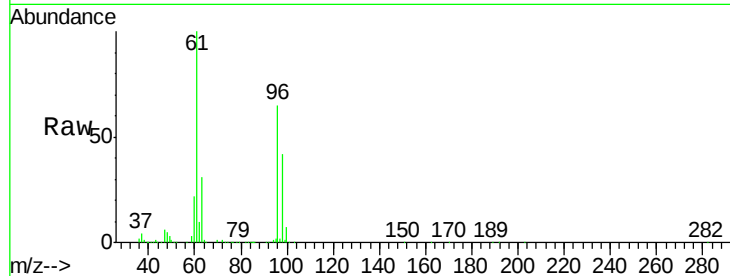
cis-1,2-Dichloroethene
Concen: 10.789 ppbv
RT: 5.65 min Scan# 843
Delta R.T. 0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion: 61 Resp: 1085143
Ion Ratio Lower Upper
61 100
96 64.9 51.9 77.9
98 42.0 35.0 52.4

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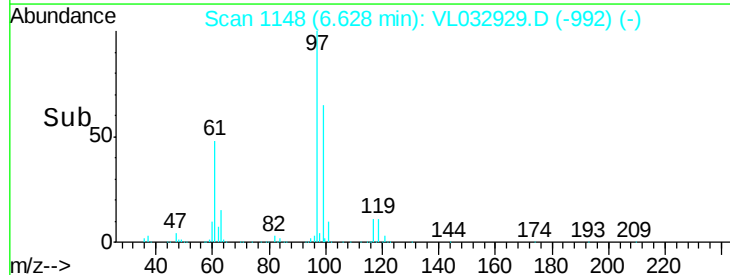
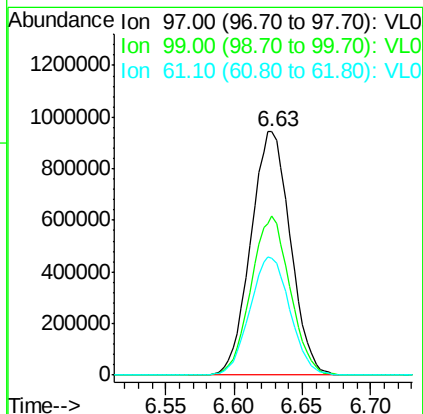
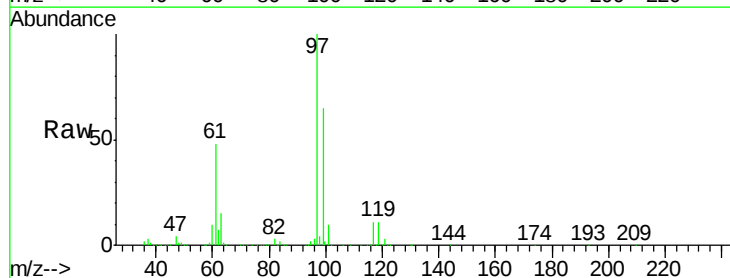
MMDadoda
12/11/2018 10:08:36 AM

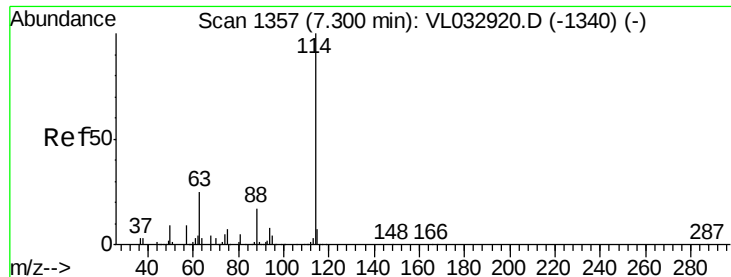


#32

1,1,1-Trichloroethane
Concen: 9.189 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Tgt Ion: 97 Resp: 1901466
Ion Ratio Lower Upper
97 100
99 64.4 51.1 76.7
61 49.1 39.3 58.9





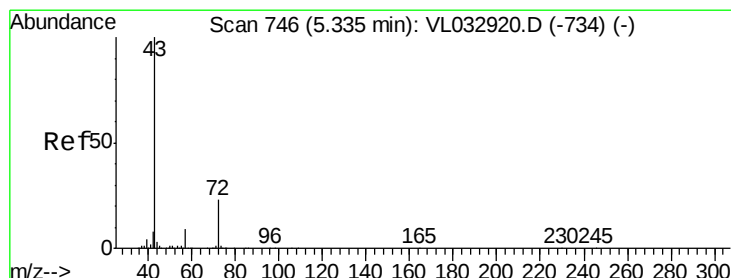
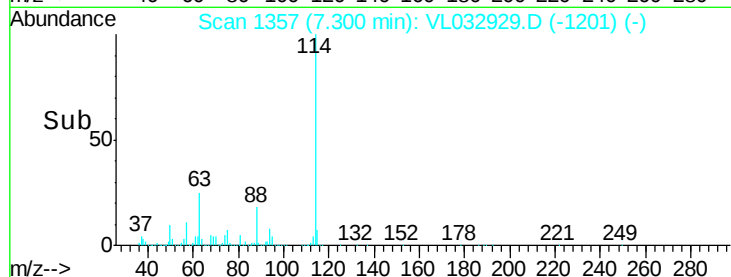
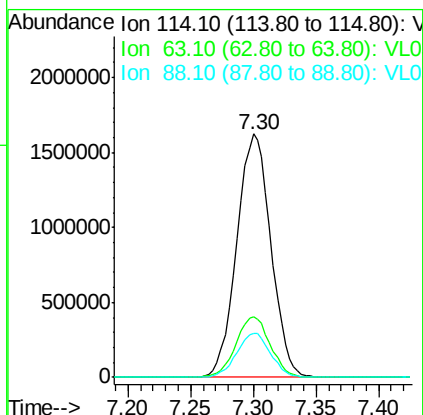
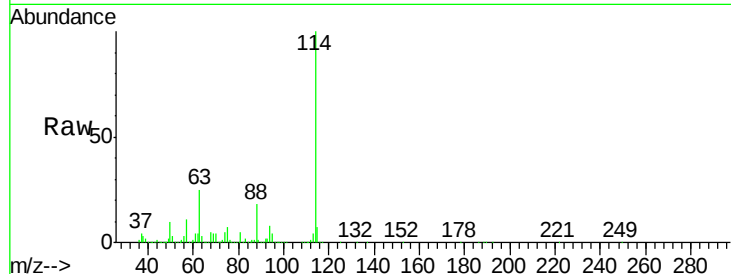
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1357
 Delta R.T. 0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion: 114 Resp: 3069405
 Ion Ratio Lower Upper
 114 100
 63 25.3 20.1 30.1
 88 17.9 14.2 21.4

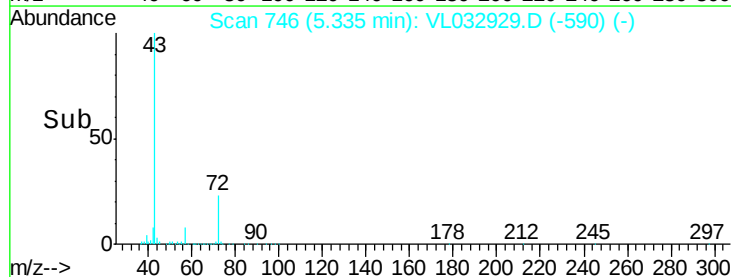
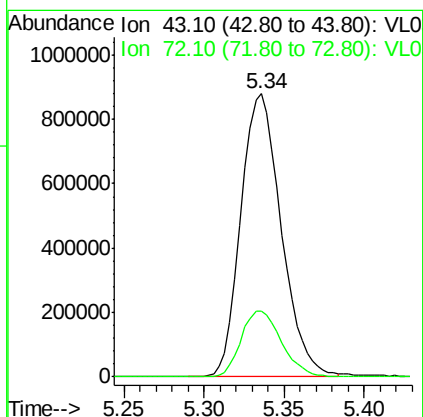
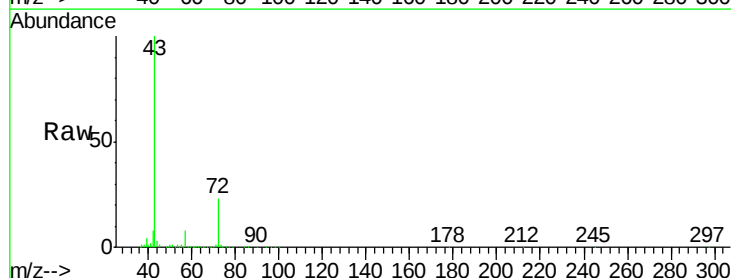
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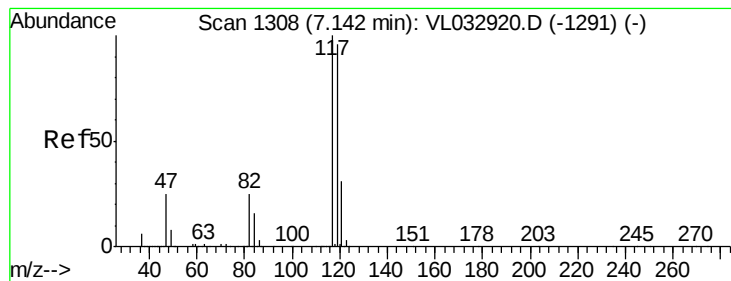
MMDadoda
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#34
 2-Butanone
 Concen: 11.281 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. 0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Tgt Ion: 43 Resp: 1508262
 Ion Ratio Lower Upper
 43 100
 72 23.6 18.8 28.2





#35

Carbon Tetrachloride

Concen: 9.305 ppbv

RT: 7.14 min Scan# 1308

Delta R.T. 0.00 min

Lab File: VL032929.D

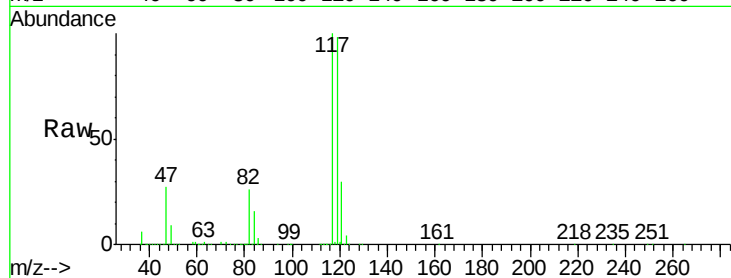
Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01



Tgt Ion: 117 Resp: 2244923

Ion Ratio Lower Upper

117 100

119 97.9 76.5 114.7

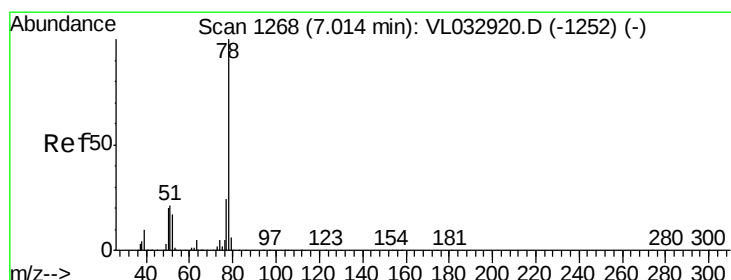
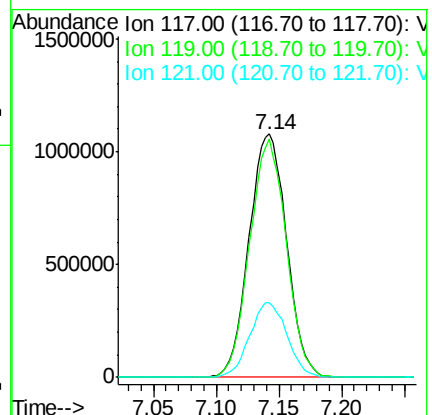
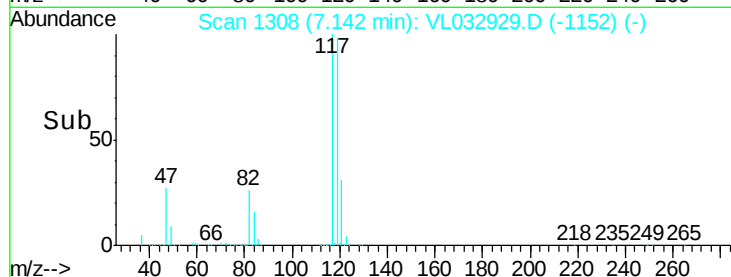
121 30.4 24.5 36.7

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#36

Benzene

Concen: 10.299 ppbv

RT: 7.01 min Scan# 1267

Delta R.T. -0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

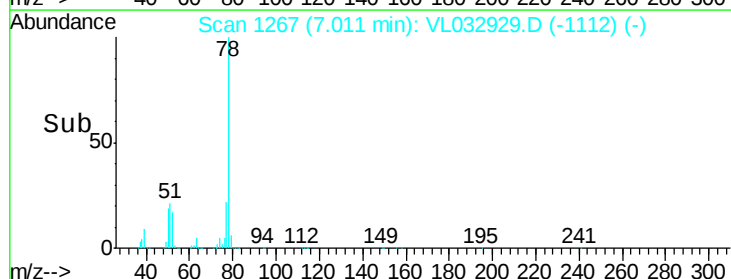
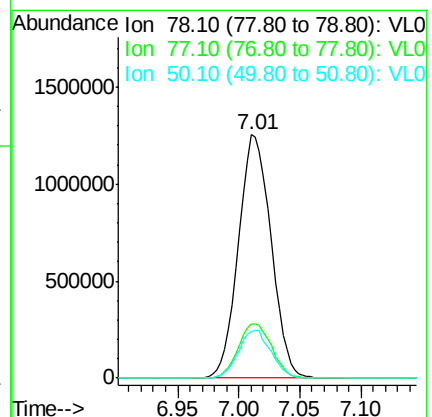
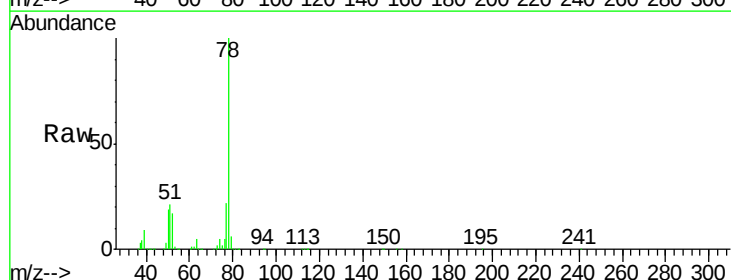
Tgt Ion: 78 Resp: 2325017

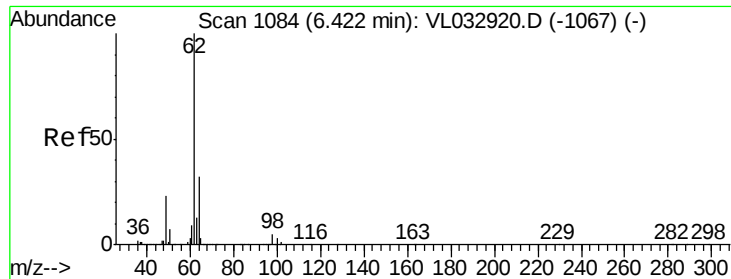
Ion Ratio Lower Upper

78 100

77 22.2 18.9 28.3

50 19.2 16.1 24.1





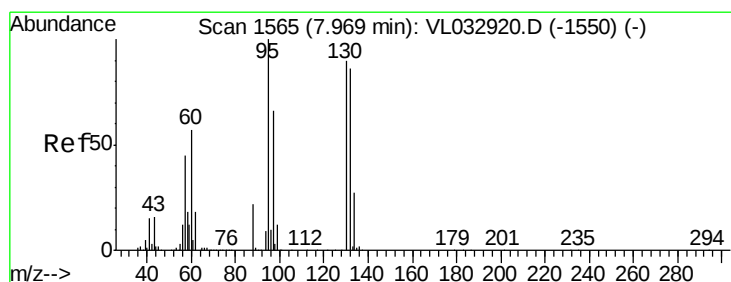
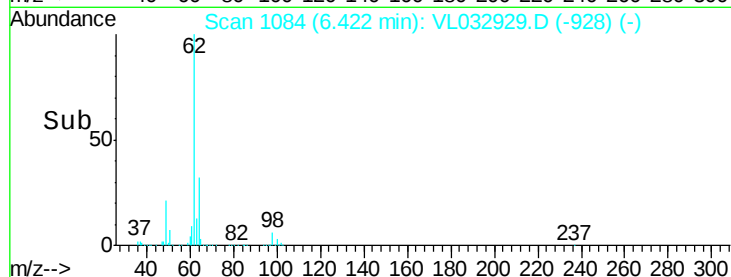
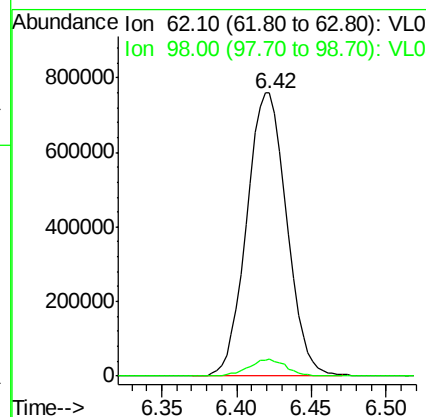
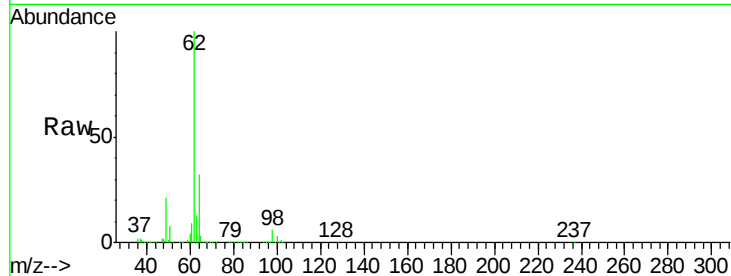
#37
 1,2-Dichloroethane
 Concen: 9.201 ppbv
 RT: 6.42 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion: 62 Resp: 1414275
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.3 6.5

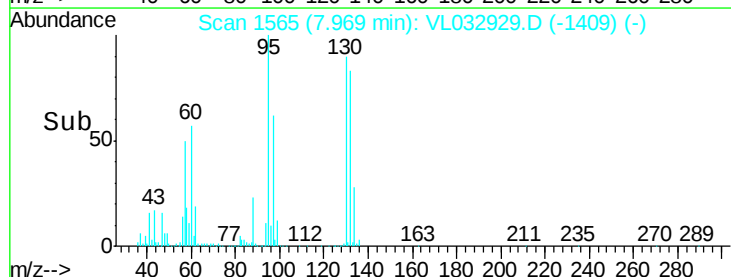
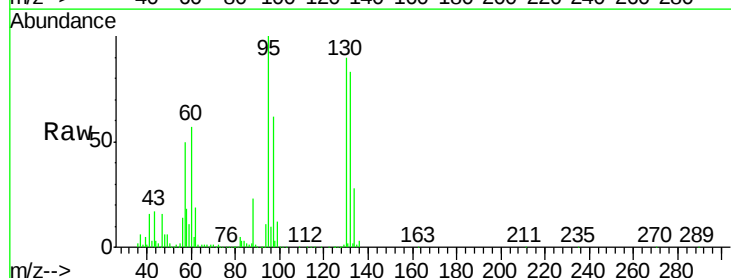
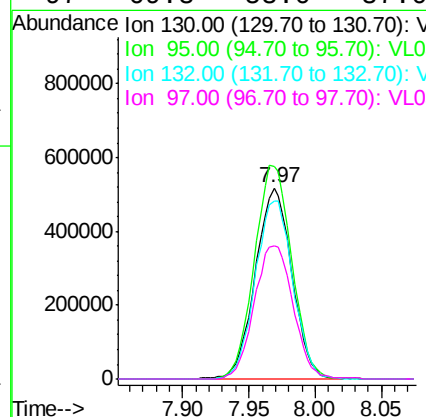
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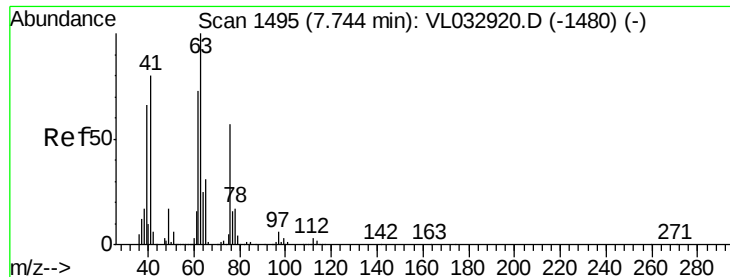
MMDadoda
 12/11/2018 10:08:36 AM



#38
 Trichloroethene
 Concen: 10.476 ppbv
 RT: 7.97 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Tgt Ion: 130 Resp: 984298
 Ion Ratio Lower Upper
 130 100
 95 111.7 88.6 132.8
 132 93.0 76.1 114.1
 97 69.8 58.0 87.0





#39

1,2-Dichloropropane

Concen: 10.085 ppbv

RT: 7.74 min Scan# 1495

Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

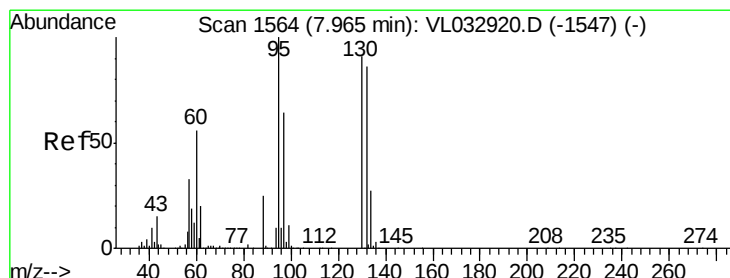
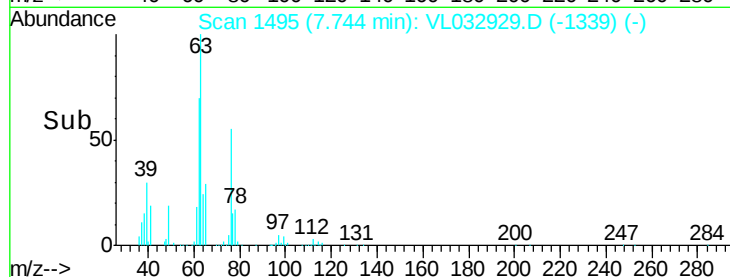
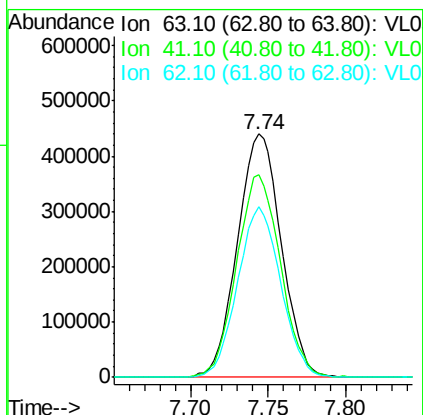
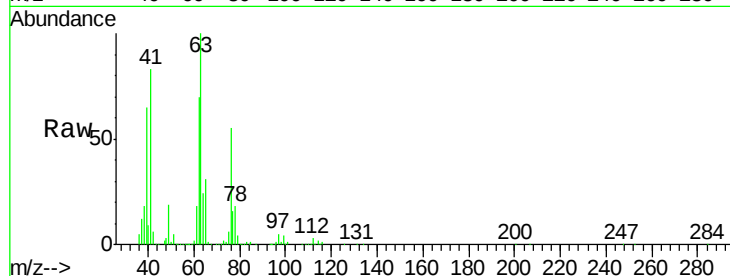
ClientSampleId :

VL1207ABS01

Tgt Ion:	63	Resp:	863505
Ion Ratio	Lower	Upper	
63	100		
41	83.3	63.9	95.9
62	70.0	58.8	88.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.306 ppbv

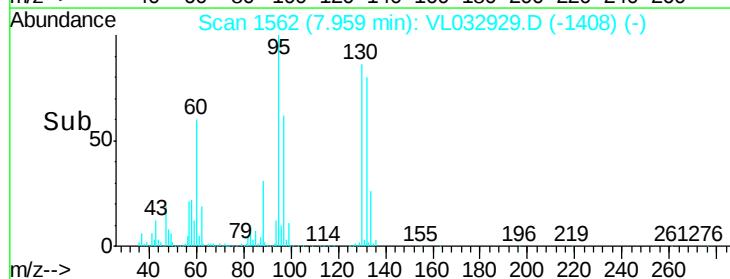
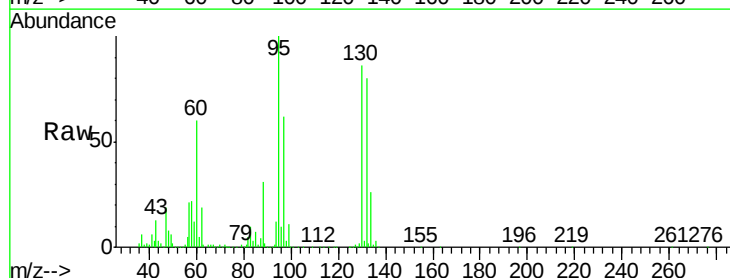
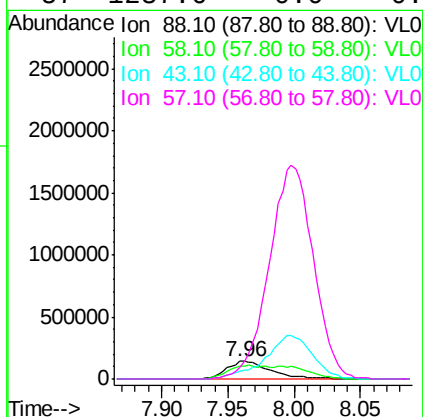
RT: 7.96 min Scan# 1562

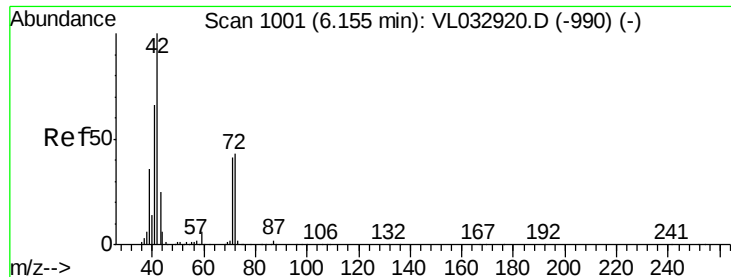
Delta R.T. -0.01 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Tgt Ion:	88	Resp:	325014
Ion Ratio	Lower	Upper	
88	100		
58	130.9	107.4	161.2
43	271.6	0.0	0.0#
57	1237.6	0.0	0.0#





#41

Tetrahydrofuran

Concen: 10.671 ppbv

RT: 6.15 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

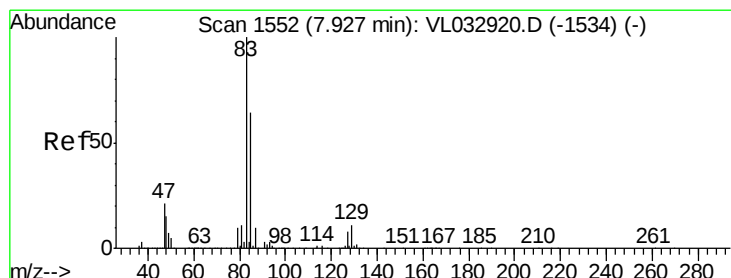
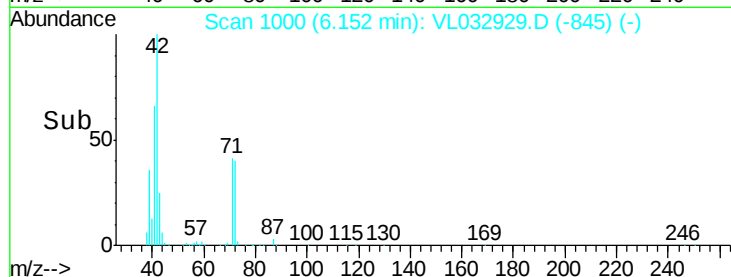
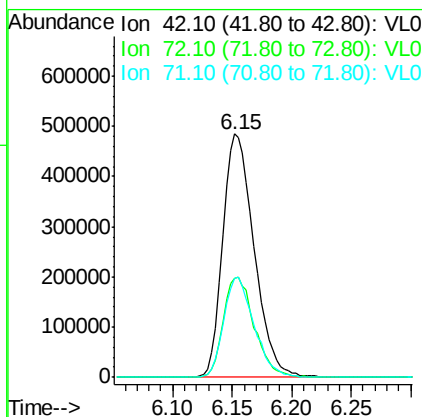
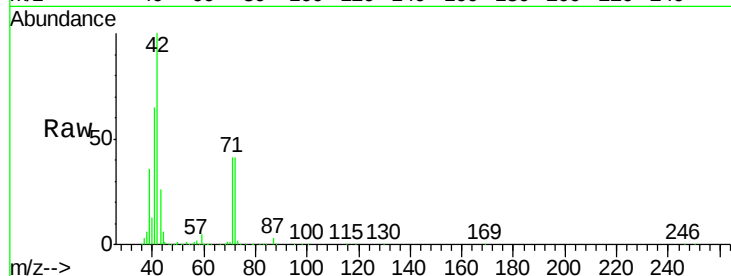
ClientSampleId :

VL1207ABS01

Tgt Ion:	42	Resp:	887339
Ion	Ratio	Lower	Upper
42	100		
72	40.8	32.9	49.3
71	39.9	32.0	48.0

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#42

Bromodichloromethane

Concen: 10.267 ppbv

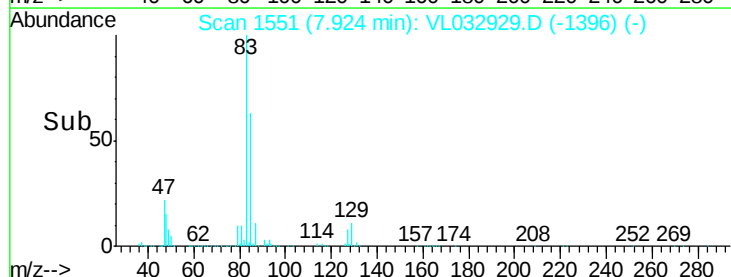
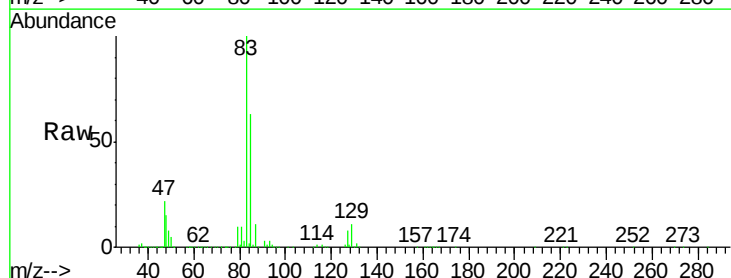
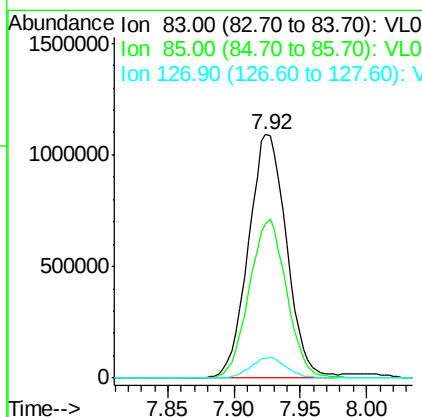
RT: 7.92 min Scan# 1551

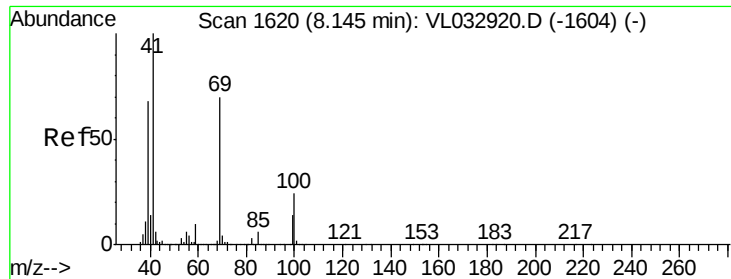
Delta R.T. -0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Tgt Ion:	83	Resp:	2186371
Ion	Ratio	Lower	Upper
83	100		
85	63.4	50.9	76.3
127	8.1	6.7	10.1





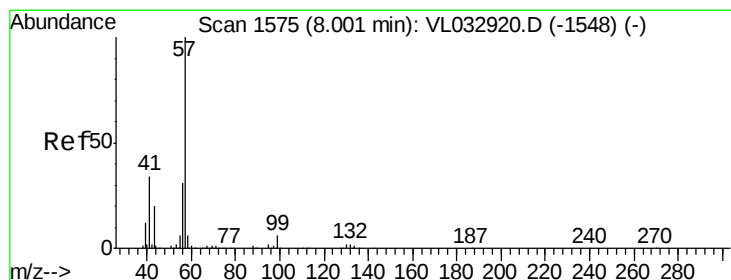
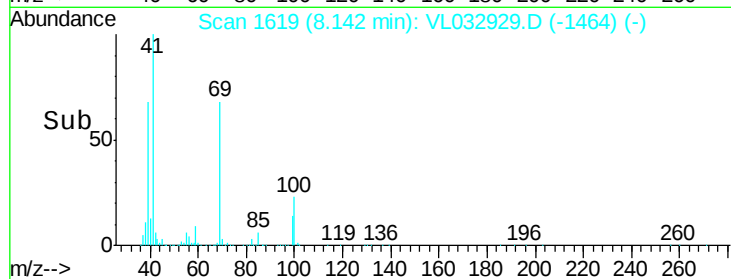
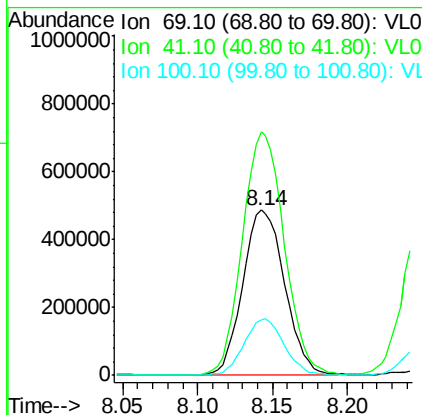
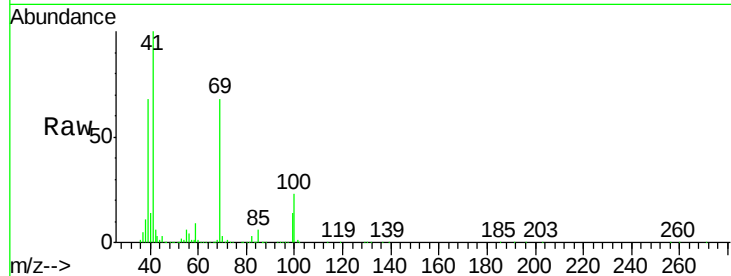
#43
Methyl Methacrylate
Concen: 11.335 ppbv
RT: 8.14 min Scan# 1619
Delta R.T. -0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion	Ratio	Lower	Upper
69	100		
41	147.2	116.6	175.0
100	32.9	26.5	39.7

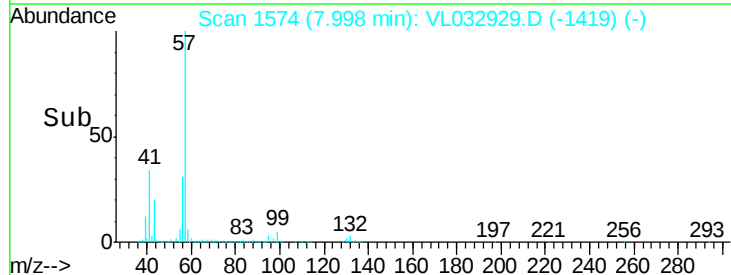
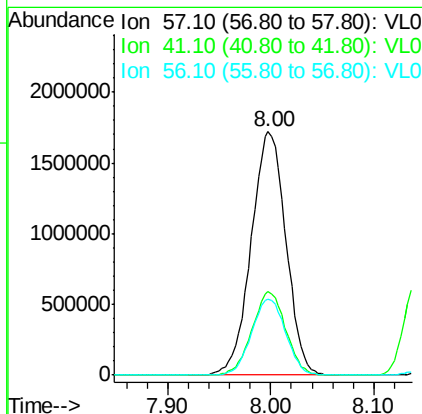
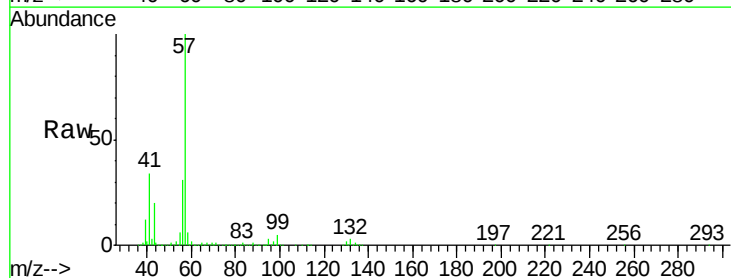
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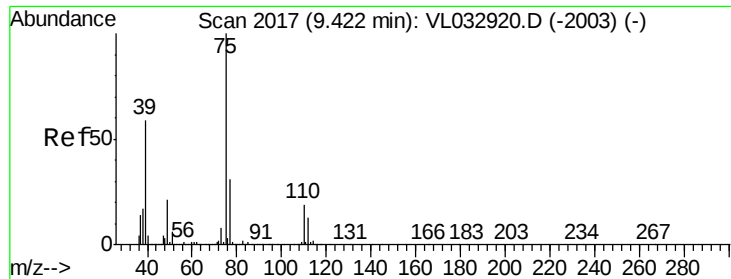
MMDadoda
12/11/2018 10:08:36 AM



#44
2,2,4-Trimethylpentane
Concen: 10.485 ppbv
RT: 8.00 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
57	100		
41	33.2	27.0	40.4
56	30.8	24.6	37.0





#45

t-1,3-Dichloropropene

Concen: 13.320 ppbv

RT: 9.43 min Scan# 2018

Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 75 Resp: 1366209

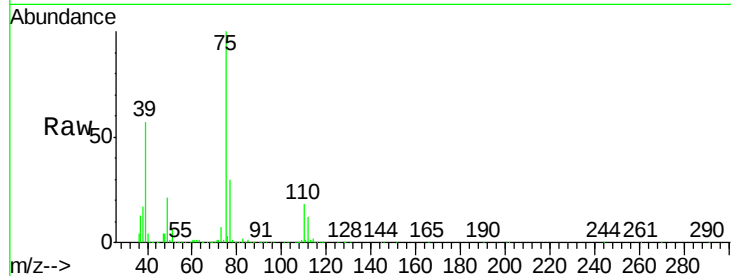
Ion Ratio Lower Upper

75 100

77 30.0 24.8 37.2

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

800000

600000

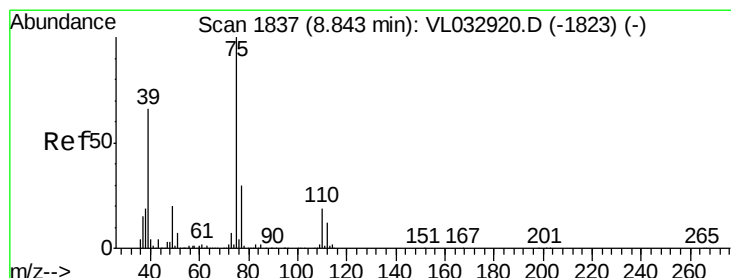
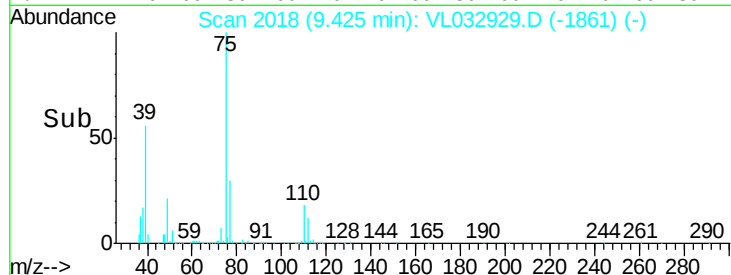
400000

200000

0

9.35 9.40 9.45 9.50

Time-->



#46

cis-1,3-Dichloropropene

Concen: 10.743 ppbv

RT: 8.84 min Scan# 1837

Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

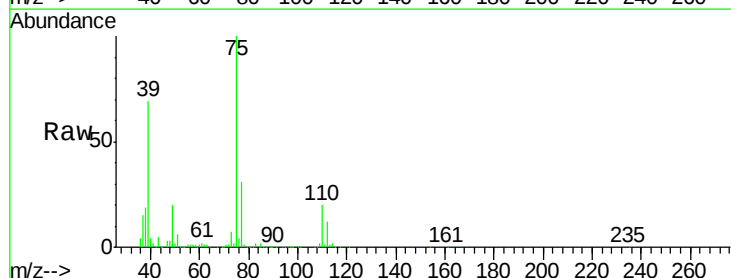
Tgt Ion: 75 Resp: 1348708

Ion Ratio Lower Upper

75 100

39 68.7 52.8 79.2

77 31.1 24.3 36.5



Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

800000

600000

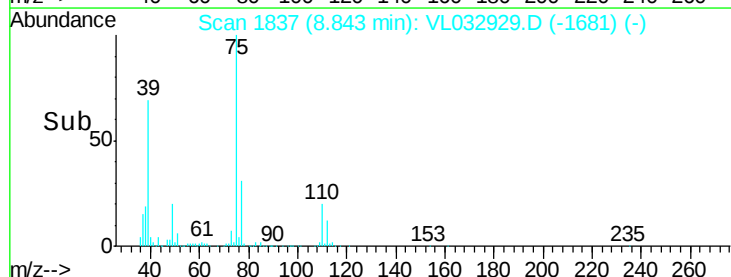
400000

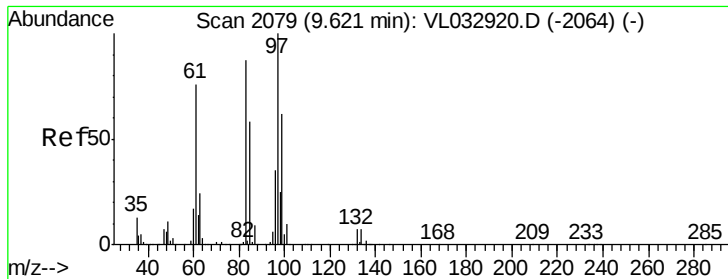
200000

0

8.75 8.80 8.85 8.90

Time-->





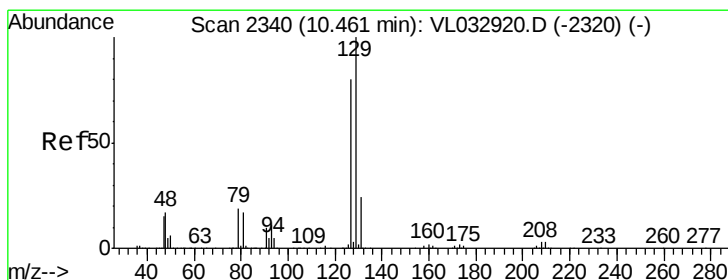
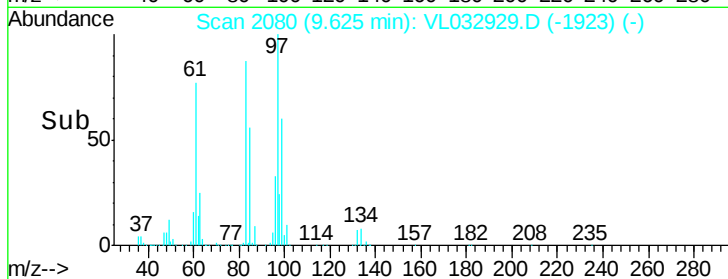
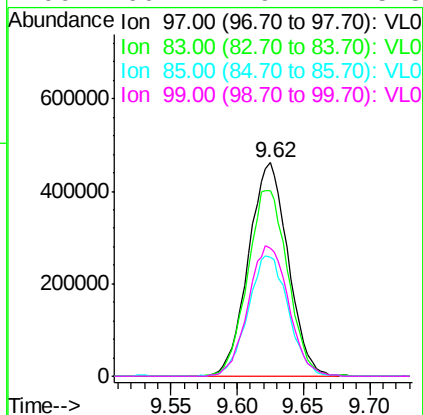
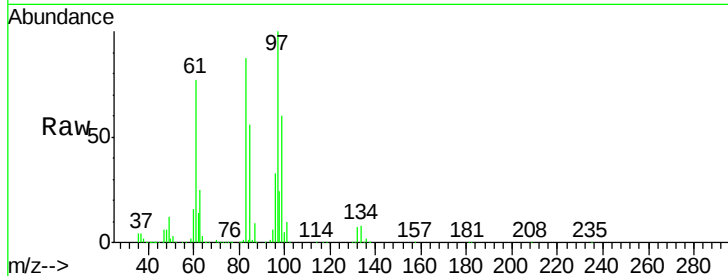
#47
 1,1,2-Trichloroethane
 Concen: 10.211 ppbv
 RT: 9.62 min Scan# 2080
 Delta R.T. 0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion:	97	Resp:	962266
Ion	Ratio	Lower	Upper
97	100		
83	86.8	69.8	104.8
85	55.5	46.7	70.1
99	60.1	49.2	73.8

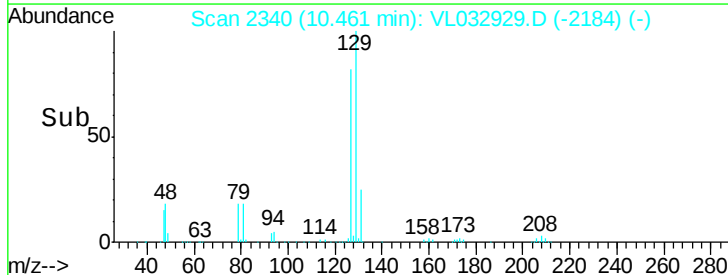
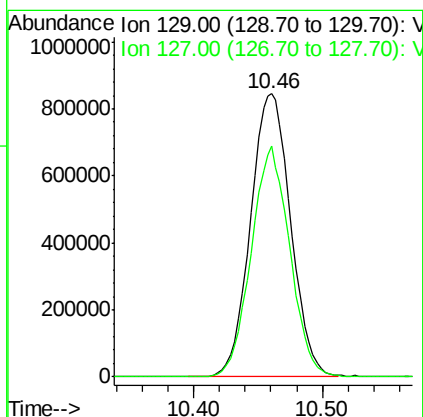
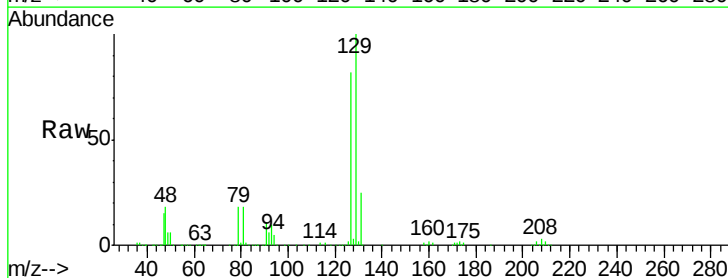
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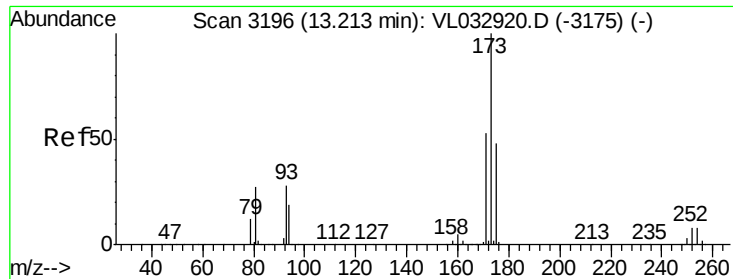
MMDadoda
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#48
 Dibromochloromethane
 Concen: 10.345 ppbv
 RT: 10.46 min Scan# 2340
 Delta R.T. 0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Tgt Ion:	129	Resp:	1828825
Ion	Ratio	Lower	Upper
129	100		
127	78.4	39.3	117.8





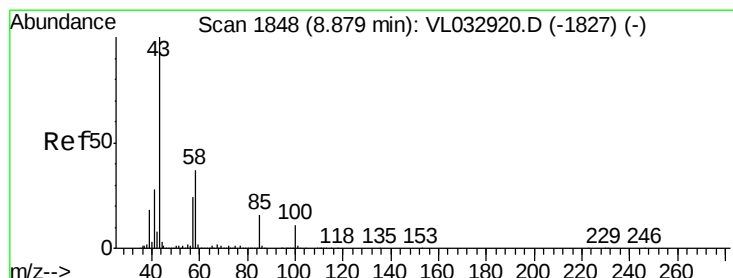
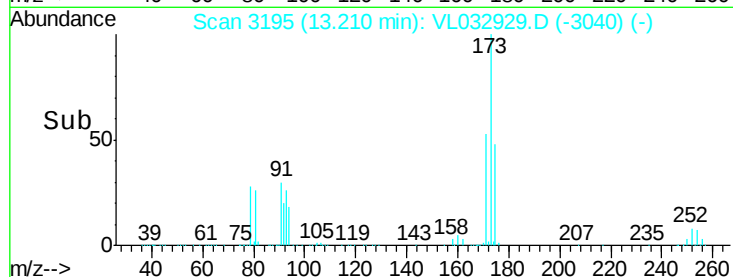
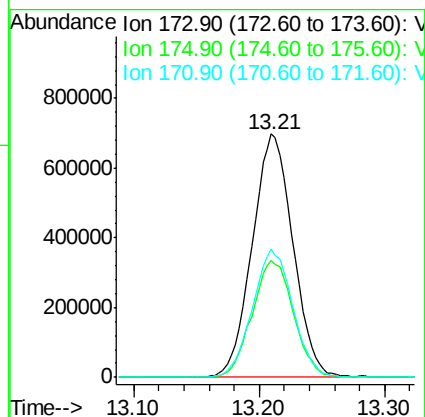
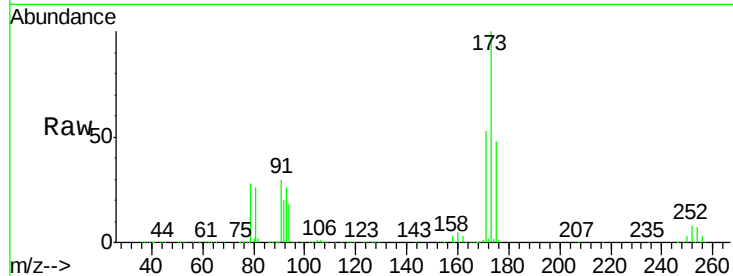
#49
Bromoform
Concen: 10.829 ppbv
RT: 13.21 min Scan# 3195
Delta R.T. -0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion: 173 Resp: 1574582
Ion Ratio Lower Upper
173 100
175 48.9 39.0 58.4
171 52.5 41.5 62.3

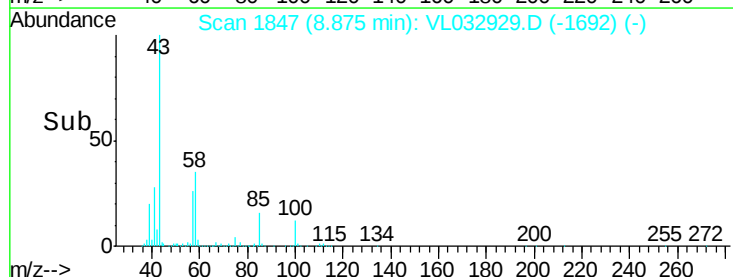
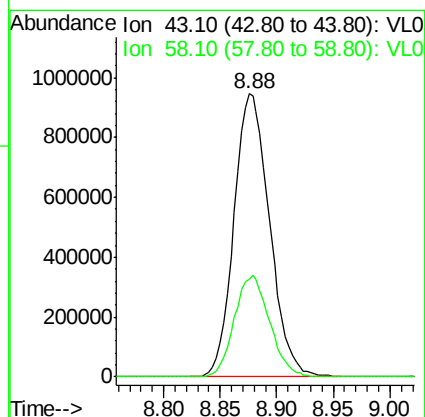
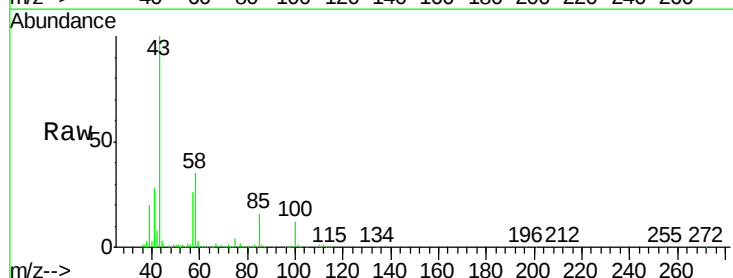
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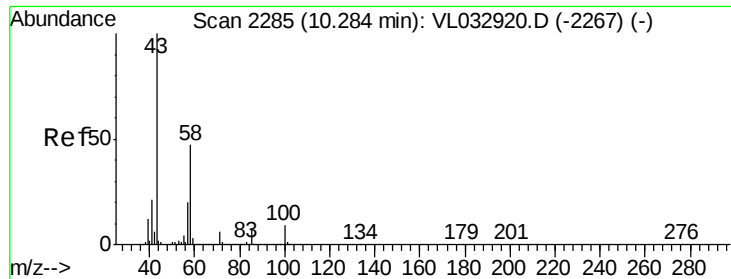
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.683 ppbv
RT: 8.88 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Tgt Ion: 43 Resp: 2070238
Ion Ratio Lower Upper
43 100
58 35.7 29.0 43.4





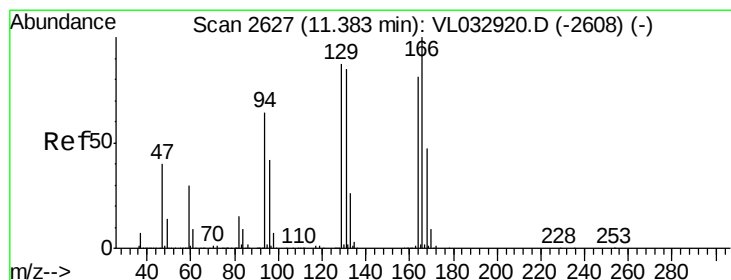
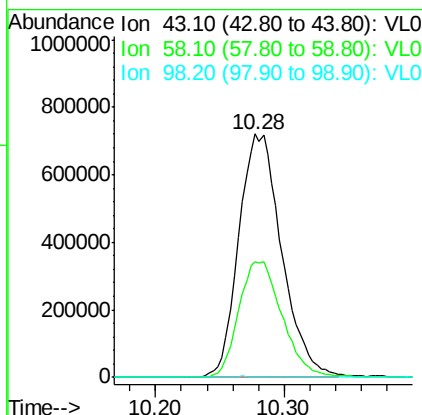
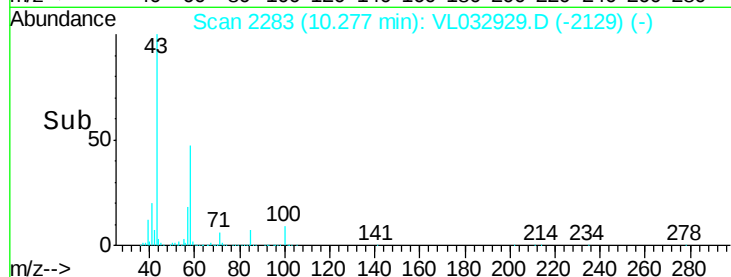
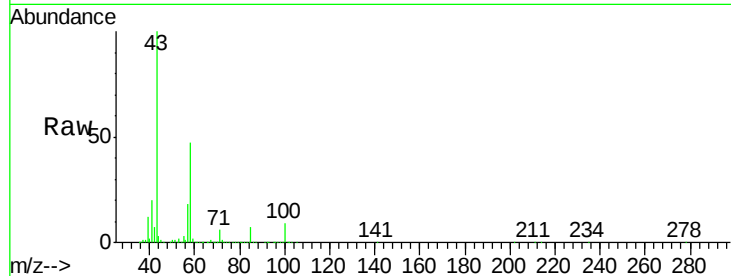
#51
2-Hexanone
Concen: 11.502 ppbv
RT: 10.28 min Scan# 2283
Delta R.T. -0.01 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion: 43 Resp: 1667766
Ion Ratio Lower Upper
43 100
58 48.3 38.1 57.1
98 0.3 0.4 0.6#

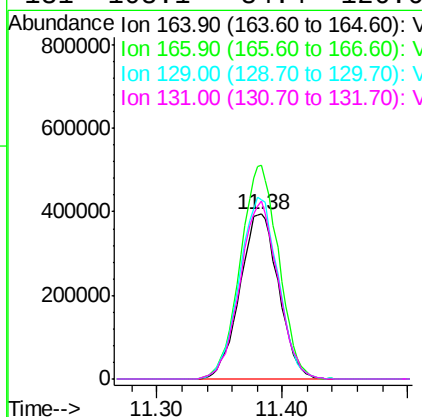
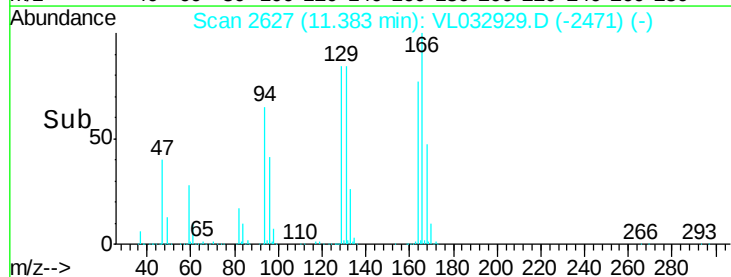
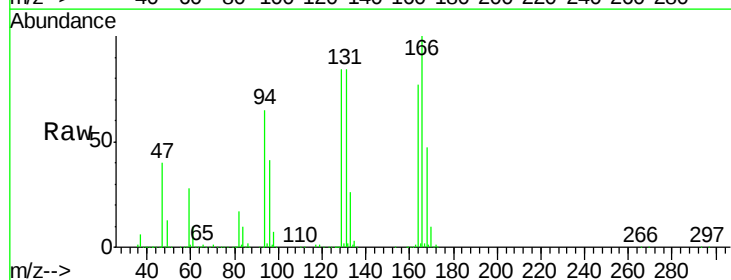
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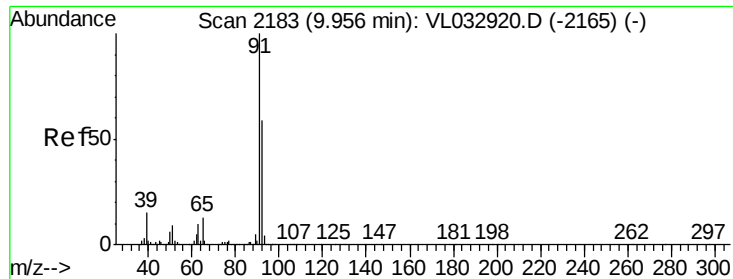
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#52
Tetrachloroethene
Concen: 10.316 ppbv
RT: 11.38 min Scan# 2627
Delta R.T. 0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Tgt Ion: 164 Resp: 847174
Ion Ratio Lower Upper
164 100
166 129.4 98.8 148.2
129 108.6 85.5 128.3
131 108.1 84.4 126.6





#53

Toluene

Concen: 11.549 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 91 Resp: 2765230

Ion Ratio Lower Upper

91 100

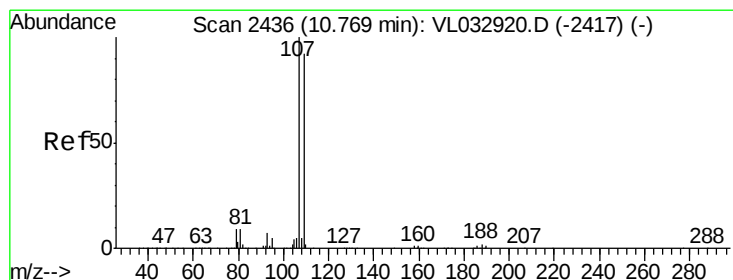
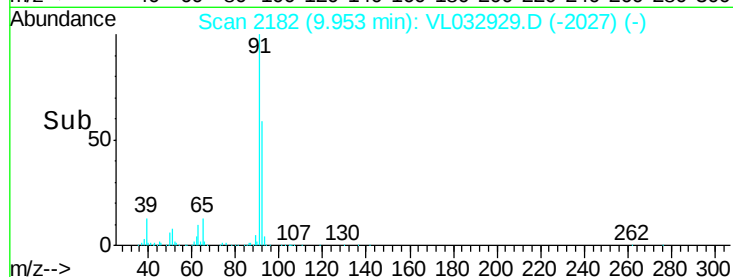
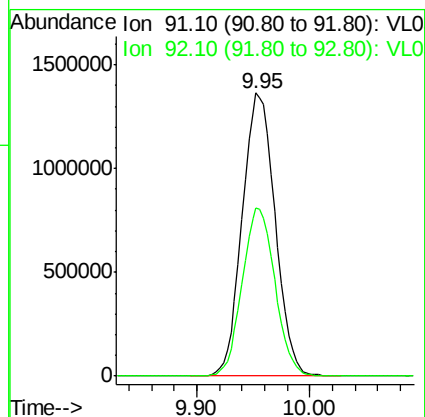
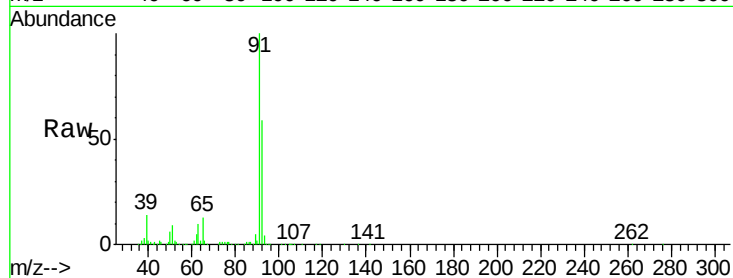
92 59.0 47.4 71.0

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12/11/2018 10:08:36 AM



#54

1,2-Dibromoethane

Concen: 10.631 ppbv

RT: 10.77 min Scan# 2436

Delta R.T. 0.00 min

Lab File: VL032929.D

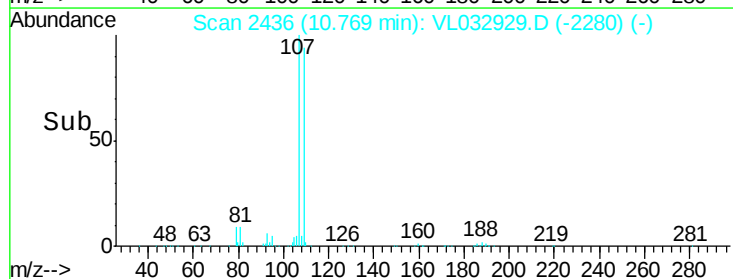
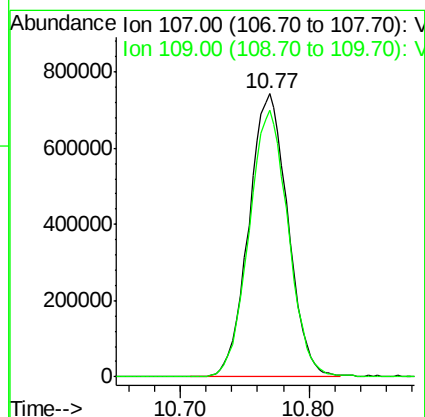
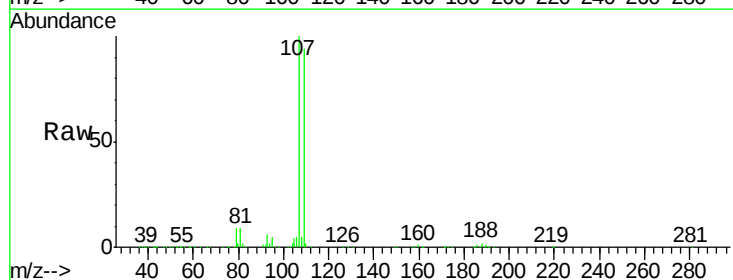
Acq: 7 Dec 2018 11:07

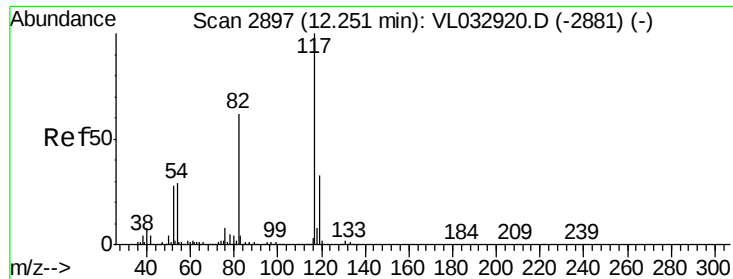
Tgt Ion: 107 Resp: 1565122

Ion Ratio Lower Upper

107 100

109 94.3 73.4 110.2





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.25 min Scan# 2896

Delta R.T. -0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion:117 Resp: 3213187

Ion Ratio Lower Upper

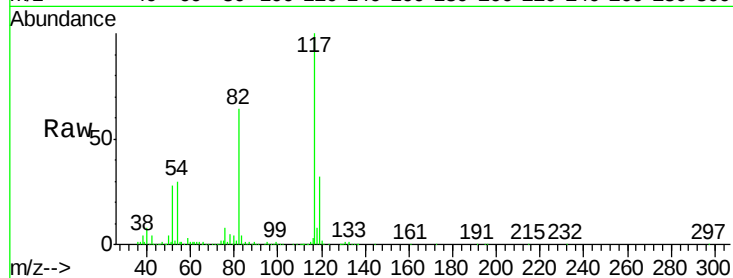
117 100

82 60.6 47.8 71.8

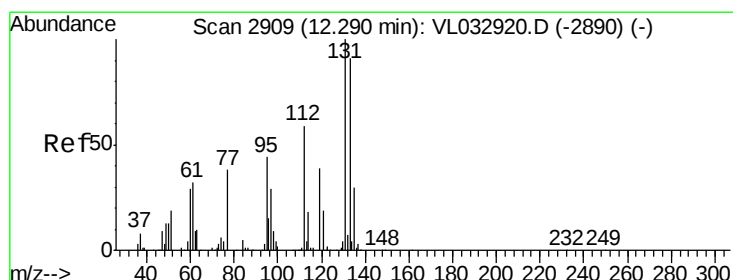
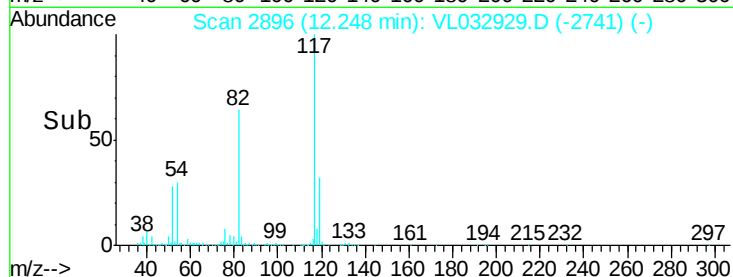
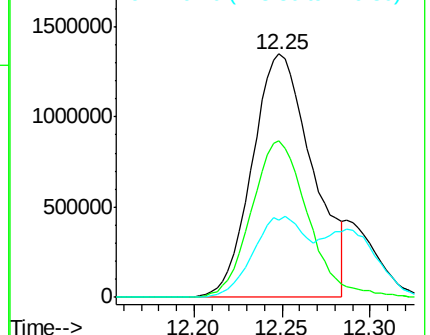
119 31.1 43.1 64.7#

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Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): V
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 9.271 ppbv

RT: 12.29 min Scan# 2908

Delta R.T. -0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

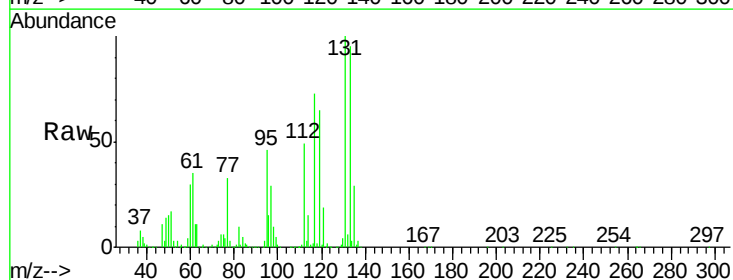
Tgt Ion:131 Resp: 1328151

Ion Ratio Lower Upper

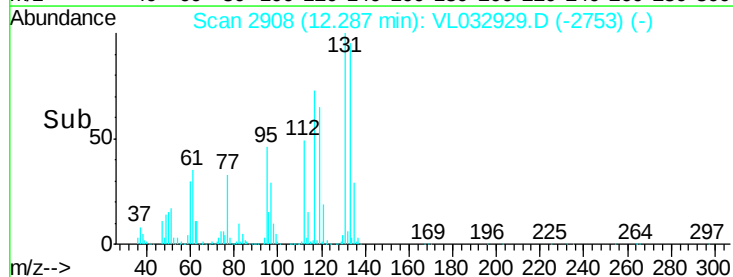
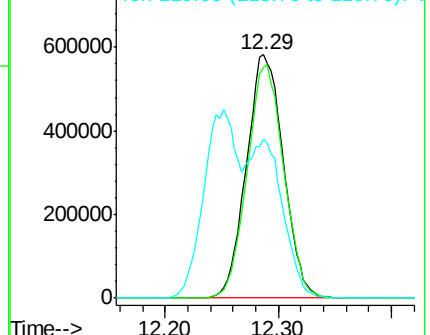
131 100

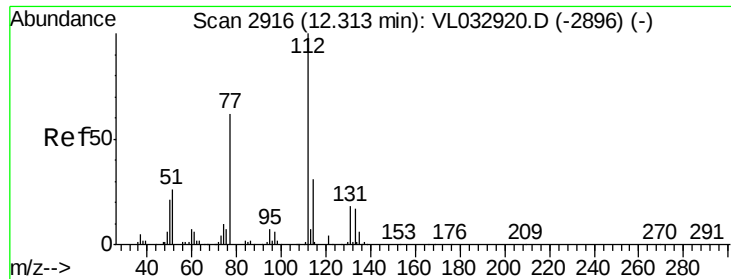
133 94.6 75.1 112.7

119 57.6 47.5 71.3



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 9.198 ppbv

RT: 12.31 min Scan# 2915

Delta R.T. -0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

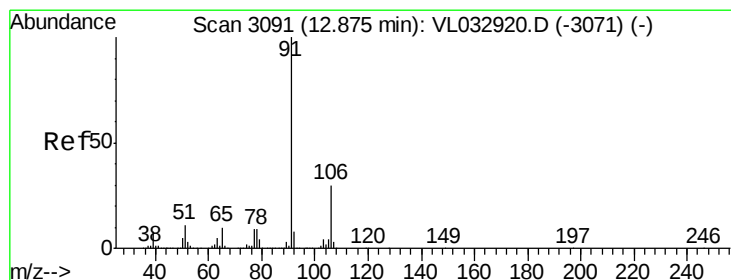
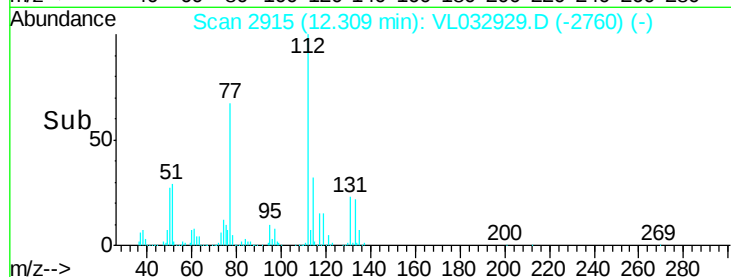
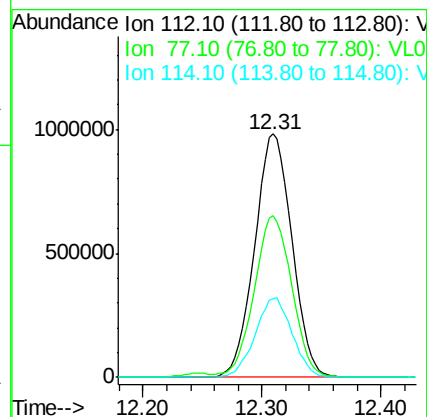
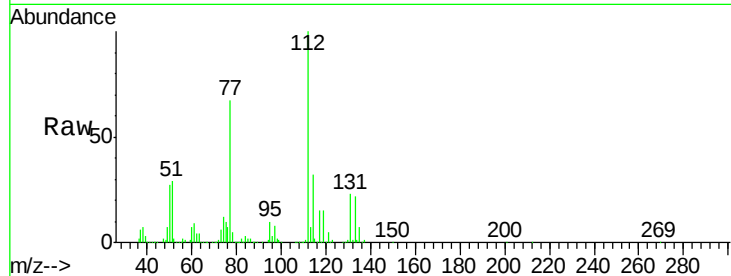
ClientSampleId :

VL1207ABS01

Tgt Ion:	112	Resp:	2134596
Ion Ratio	Lower	Upper	
112	100		
77	66.4	51.1	76.7
114	32.3	28.4	34.7

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#58

Ethyl Benzene

Concen: 11.015 ppbv

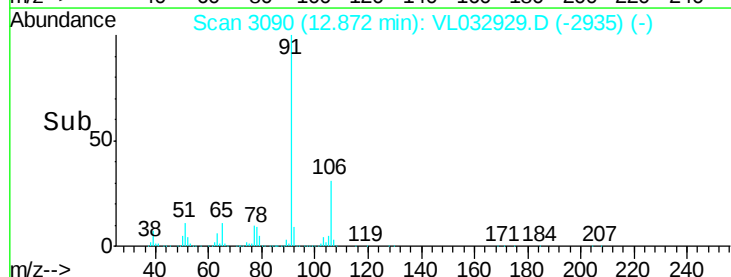
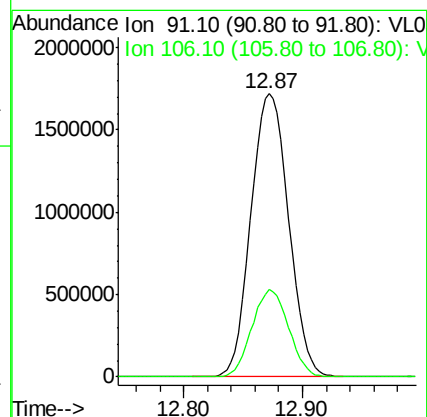
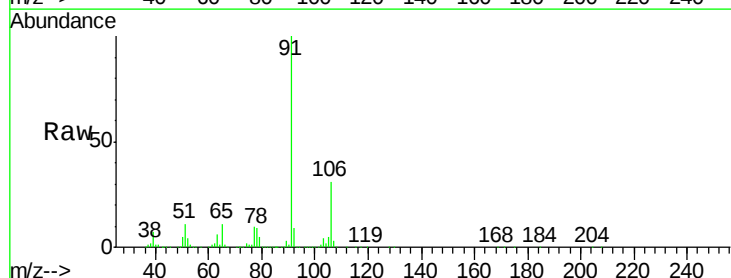
RT: 12.87 min Scan# 3090

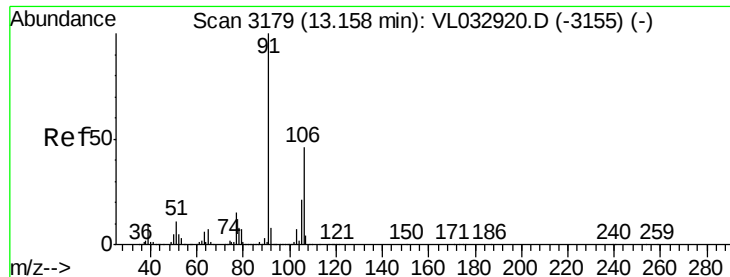
Delta R.T. -0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Tgt Ion:	91	Resp:	3775633
Ion Ratio	Lower	Upper	
91	100		
106	31.1	23.9	35.9





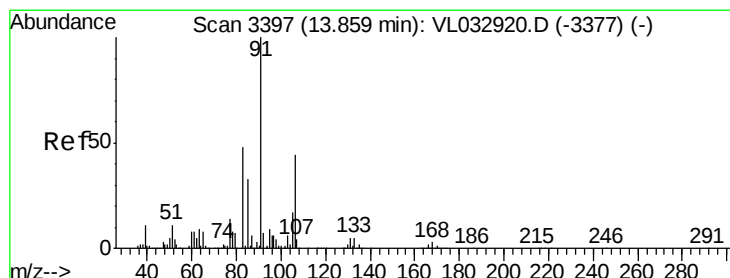
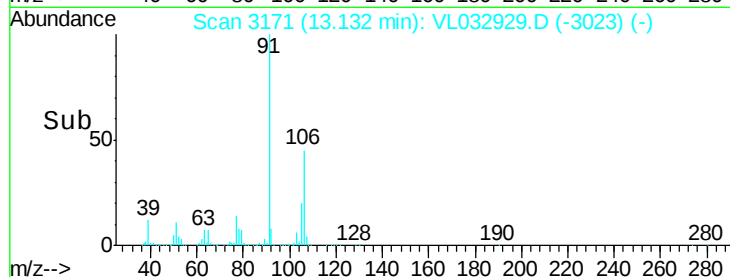
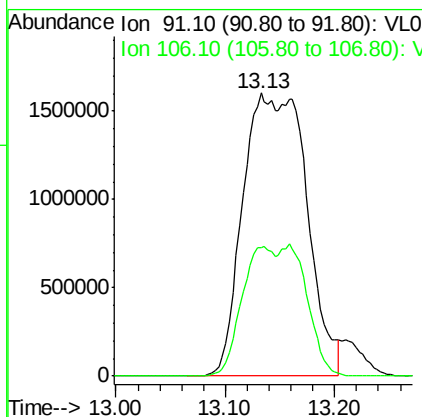
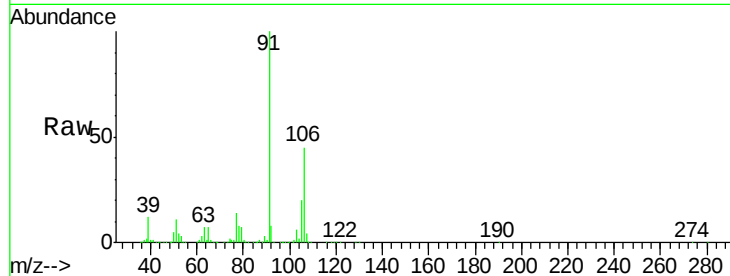
#59
m/p-Xylene
Concen: 20.768 ppbv m
RT: 13.13 min Scan# 3171
Delta R.T. -0.03 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion: 91 Resp: 6454098
Ion Ratio Lower Upper
91 100
106 45.1 0.0 0.0#

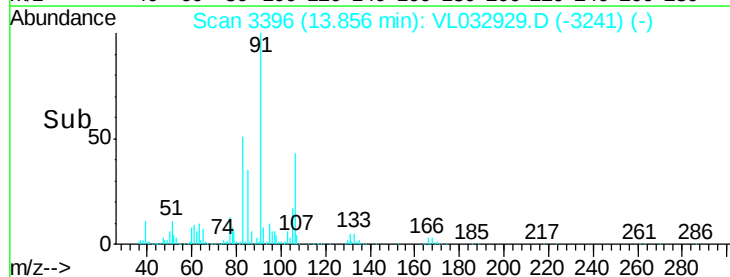
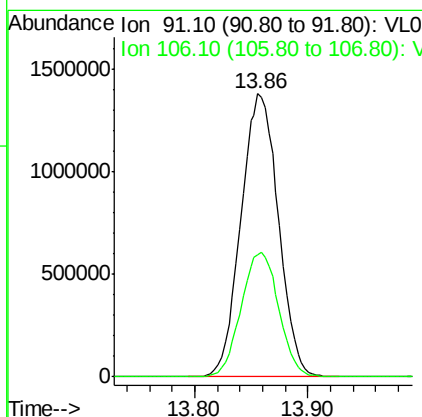
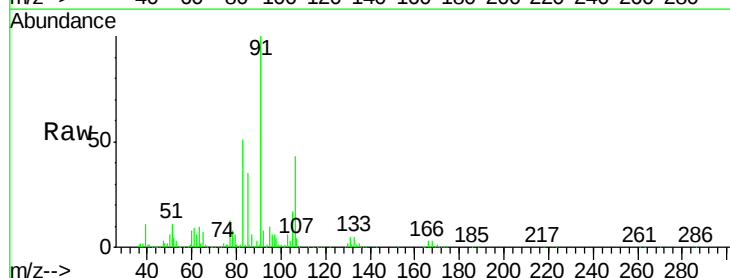
Manual Integrations
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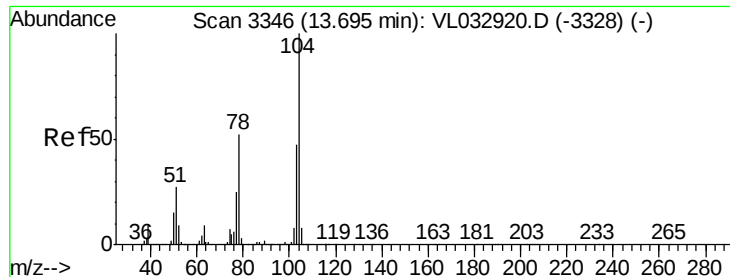
MMDadoda
12/11/2018 10:08:36 AM



#60
o-Xylene
Concen: 10.123 ppbv
RT: 13.86 min Scan# 3396
Delta R.T. -0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Tgt Ion: 91 Resp: 3176834
Ion Ratio Lower Upper
91 100
106 44.2 21.9 65.8





#61

Styrene

Concen: 11.653 ppbv

RT: 13.69 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

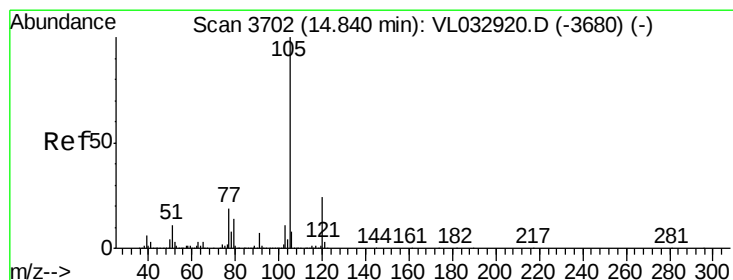
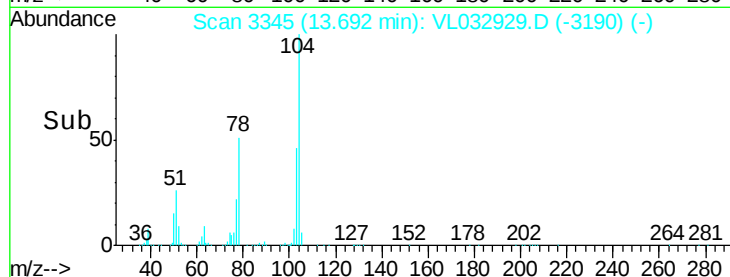
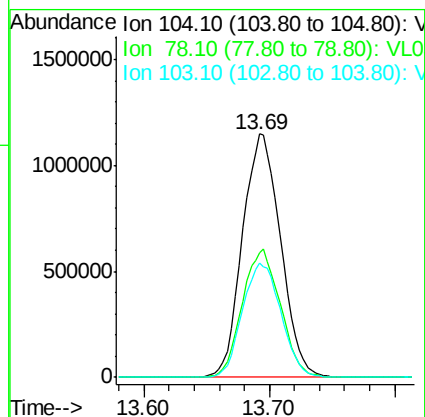
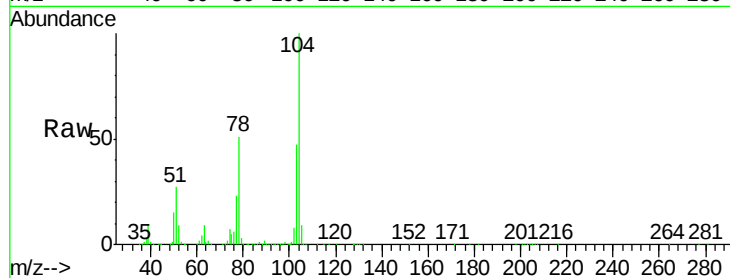
VL1207ABS01

Tgt Ion:104 Resp: 2432702

Ion	Ratio	Lower	Upper
104	100		
78	52.5	42.0	63.0
103	47.6	38.3	57.5

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12/11/2018 10:08:36 AM



#62

Isopropylbenzene

Concen: 10.134 ppbv

RT: 14.84 min Scan# 3701

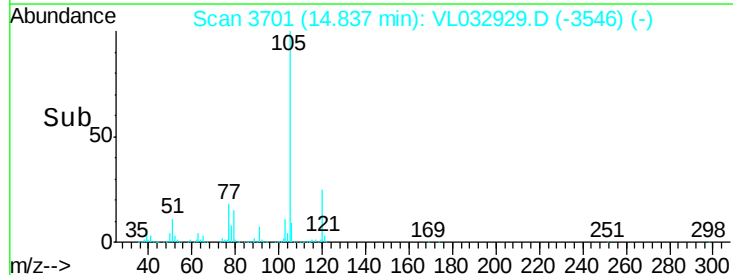
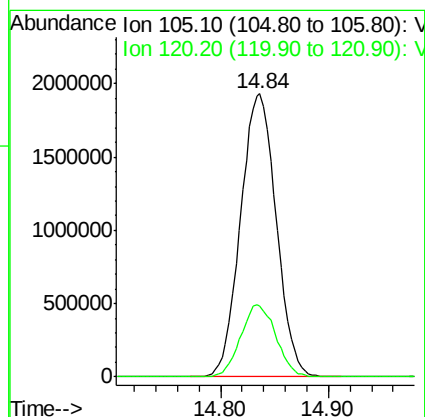
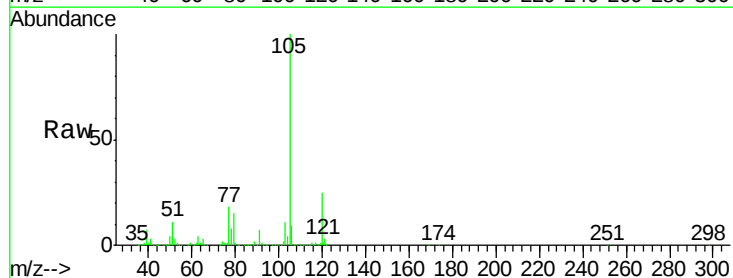
Delta R.T. -0.00 min

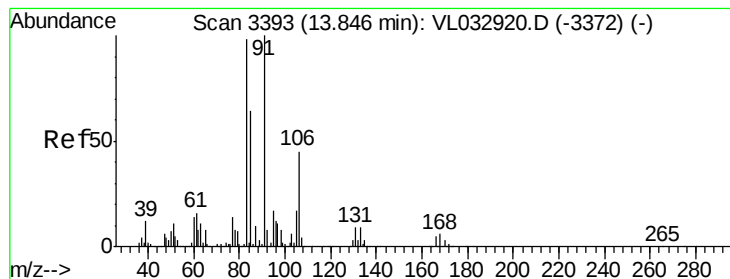
Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Tgt Ion:105 Resp: 4437252

Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.3	30.5





#63

1,1,2,2-Tetrachloroethane

Concen: 9.037 ppbv

RT: 13.84 min Scan# 3392

Delta R.T. -0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 83 Resp: 2202340

Ion Ratio Lower Upper

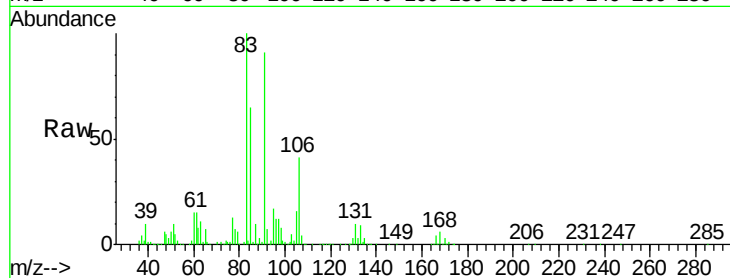
83 100

131 9.9 4.9 14.6

85 65.3 32.9 98.6

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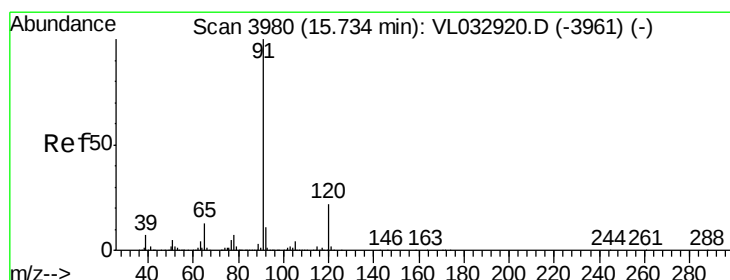
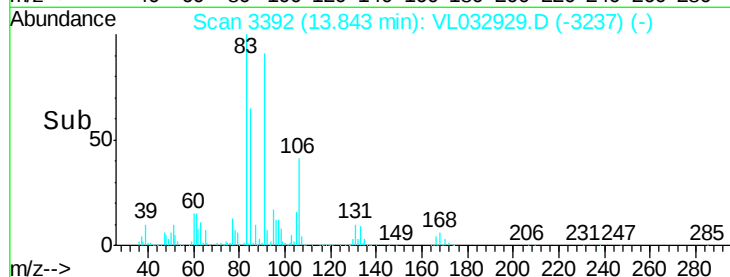
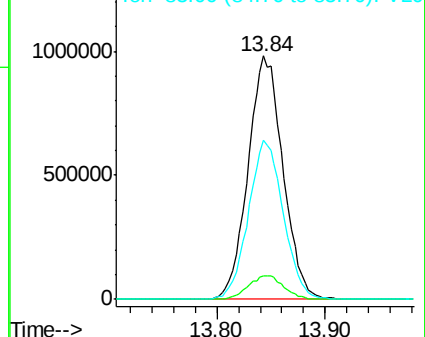
MMDadoda
12/11/2018 10:08:36 AM



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.595 ppbv

RT: 15.73 min Scan# 3979

Delta R.T. -0.00 min

Lab File: VL032929.D

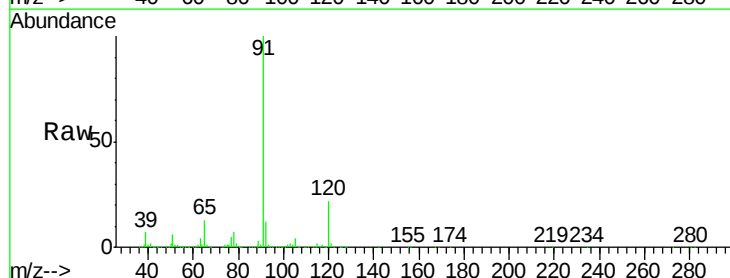
Acq: 7 Dec 2018 11:07

Tgt Ion: 120 Resp: 1204923

Ion Ratio Lower Upper

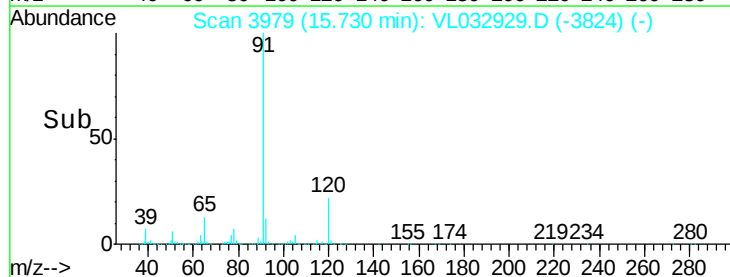
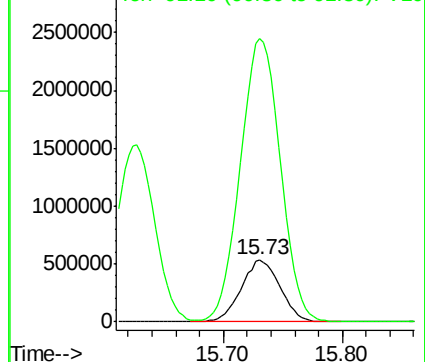
120 100

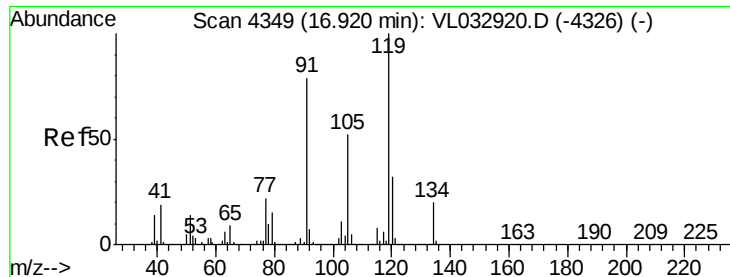
91 473.8 380.4 570.6



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





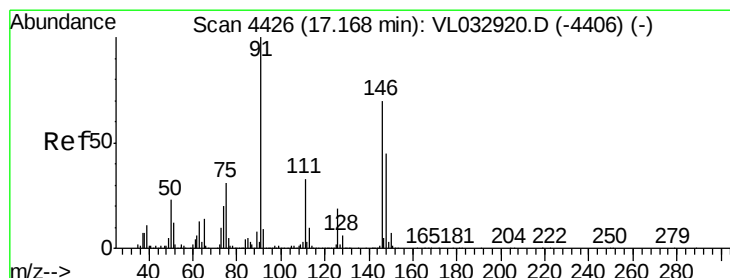
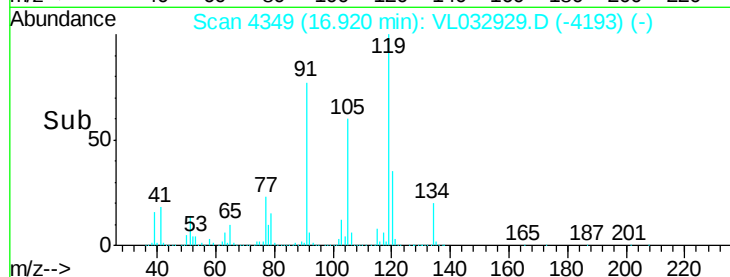
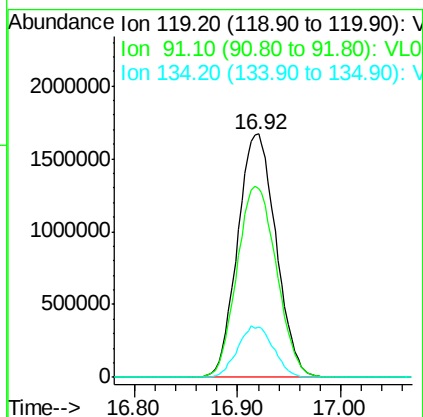
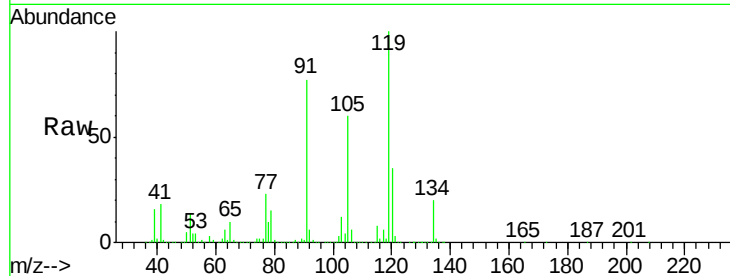
#65
tert-Butylbenzene
Concen: 10.640 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion: 119 Resp: 4319207
Ion Ratio Lower Upper
119 100
91 81.1 64.5 96.7
134 19.8 15.7 23.5

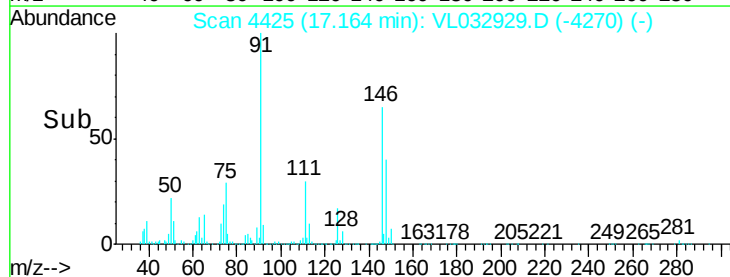
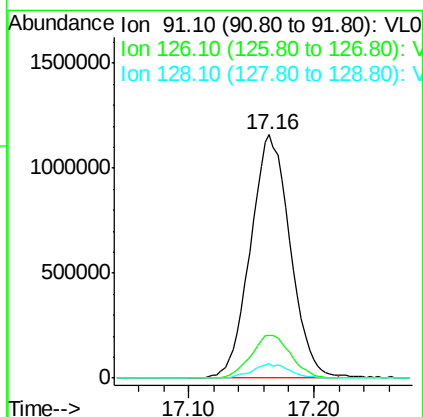
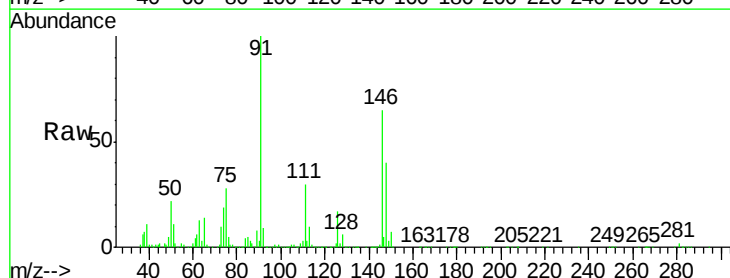
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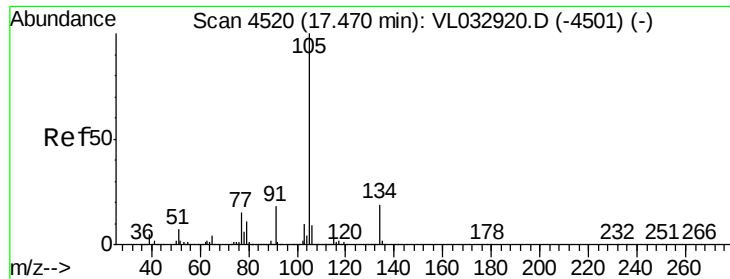
MMDadoda
12/11/2018 10:08:36 AM



#66
Benzyl Chloride
Concen: 11.333 ppbv
RT: 17.16 min Scan# 4425
Delta R.T. -0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Tgt Ion: 91 Resp: 2549793
Ion Ratio Lower Upper
91 100
126 17.8 14.1 21.1
128 5.6 4.5 6.7





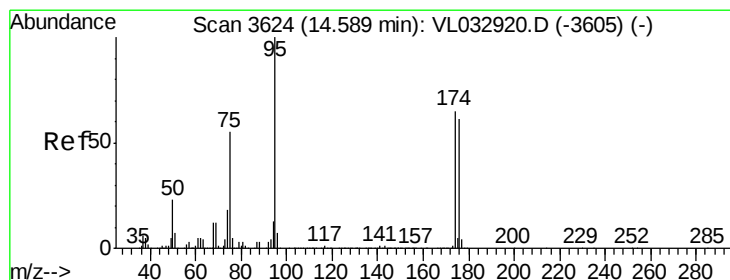
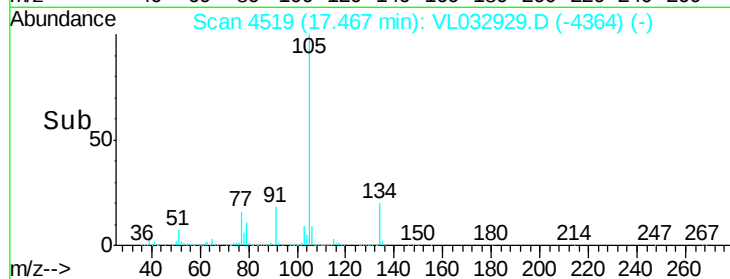
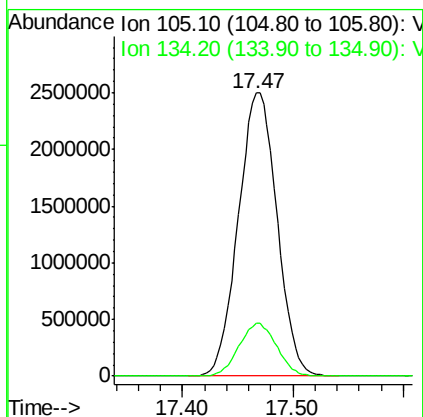
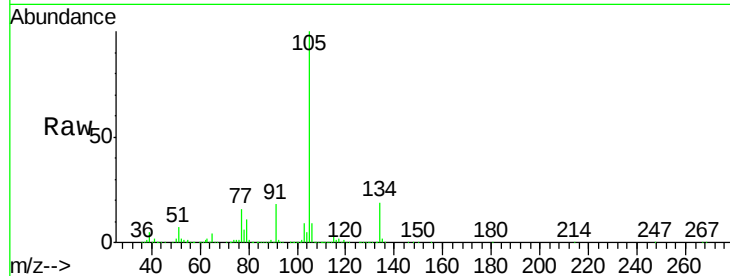
#67
 sec-Butylbenzene
 Concen: 10.142 ppbv
 RT: 17.47 min Scan# 4519
 Delta R.T. -0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion: 105 Resp: 6069426
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.6 21.8

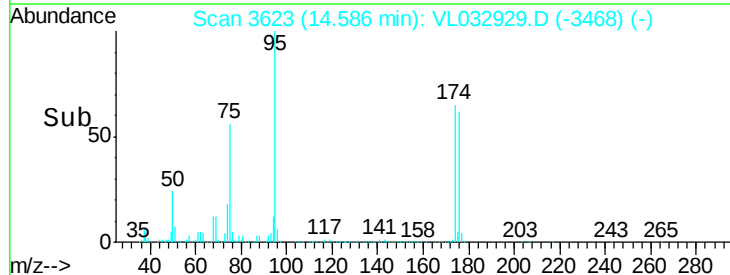
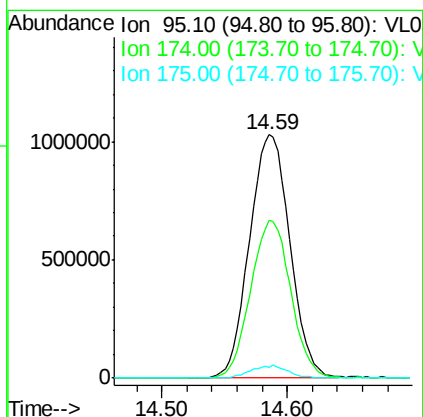
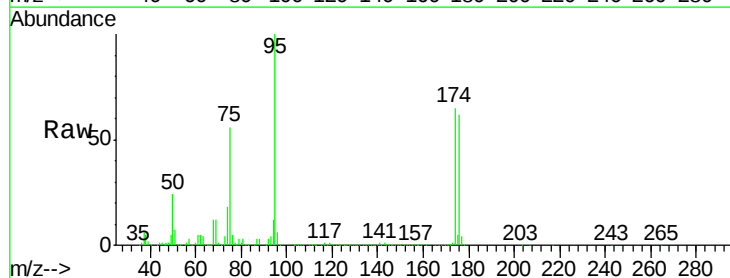
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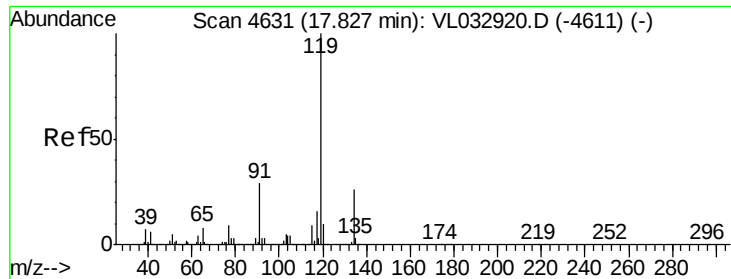
MMDadoda
 12/11/2018 10:08:36 AM



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.723 ppbv
 RT: 14.59 min Scan# 3623
 Delta R.T. -0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Tgt Ion: 95 Resp: 2308146
 Ion Ratio Lower Upper
 95 100
 174 64.8 51.4 77.0
 175 4.8 3.8 5.6





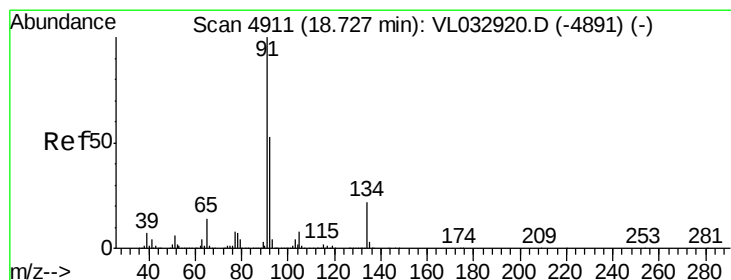
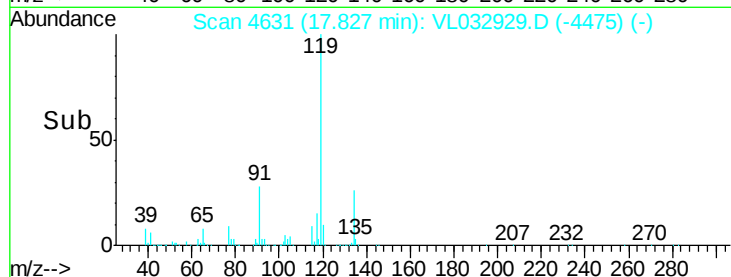
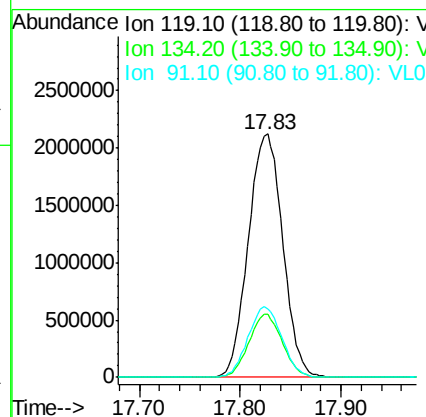
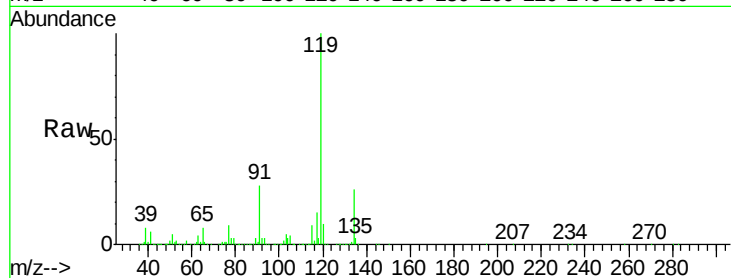
#69
p-Isopropyltoluene
Concen: 10.331 ppbv
RT: 17.83 min Scan# 4631
Delta R.T. 0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.1	20.2	30.2
91	28.6	22.9	34.3

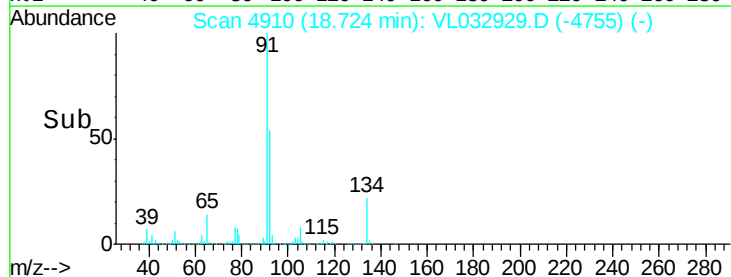
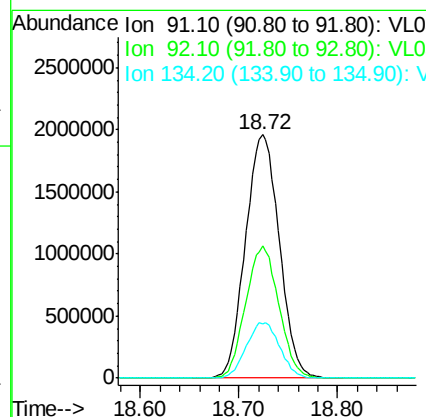
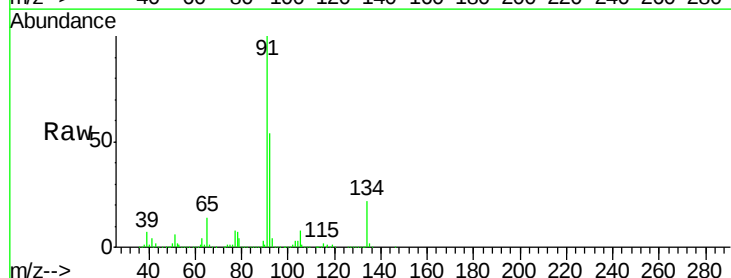
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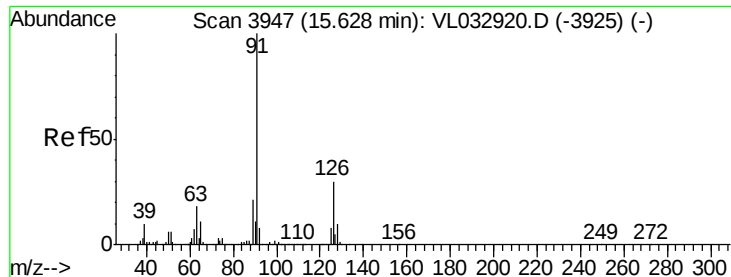
MMDadoda
12/11/2018 10:08:36 AM



#70
n-Butylbenzene
Concen: 10.418 ppbv
RT: 18.72 min Scan# 4910
Delta R.T. -0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.4	42.7	64.1
134	22.6	18.0	27.0





#71

2-Chlorotoluene

Concen: 10.717 ppbv

RT: 15.63 min Scan# 3947

Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion: 91 Resp: 3489599

Ion Ratio Lower Upper

91 100

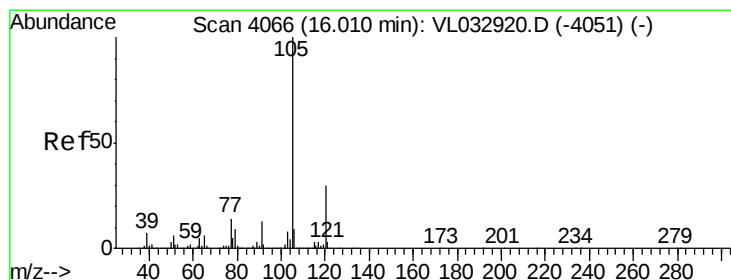
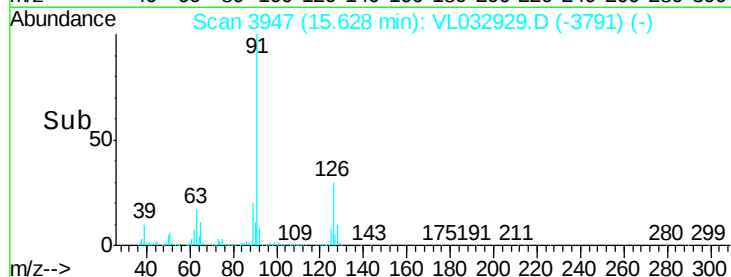
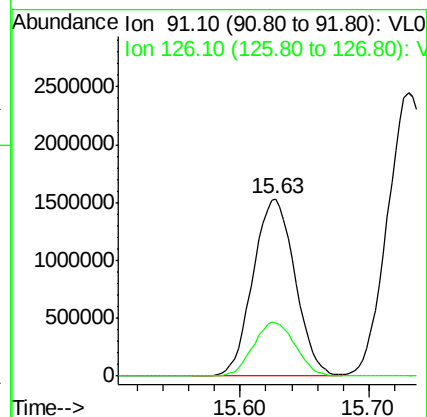
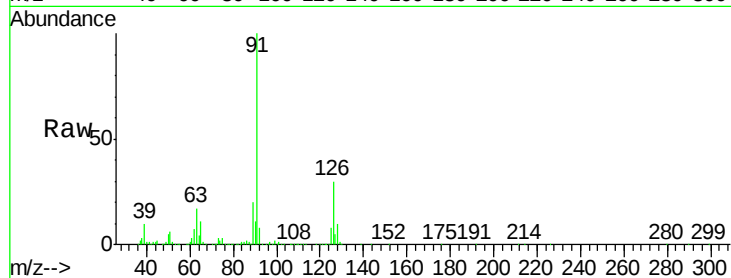
126 30.4 12.3 49.3

Manual Integrations

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12/11/2018 10:08:36 AM



#72

4-Ethyltoluene

Concen: 10.986 ppbv

RT: 16.01 min Scan# 4066

Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Tgt Ion: 105 Resp: 3849085

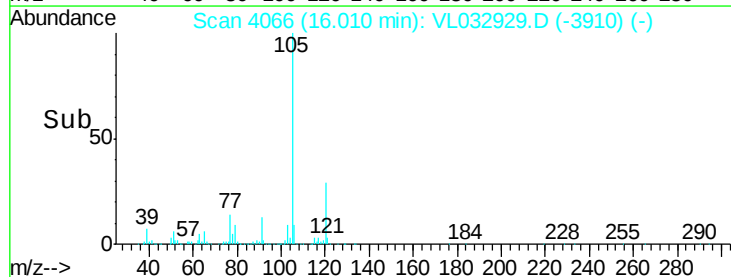
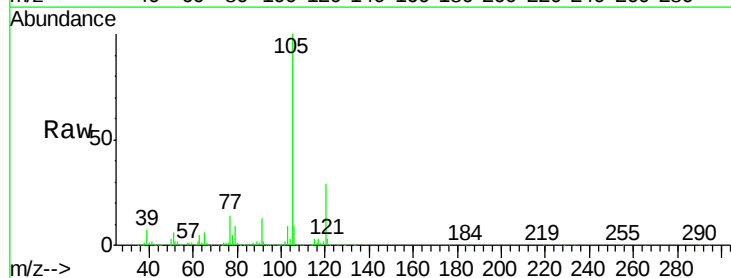
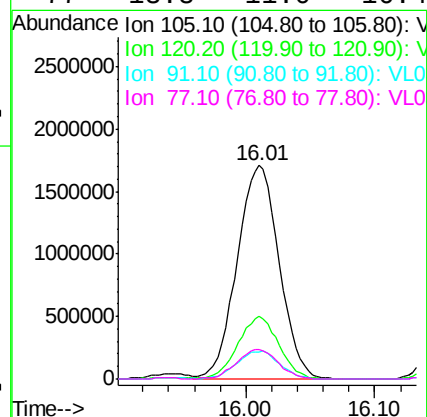
Ion Ratio Lower Upper

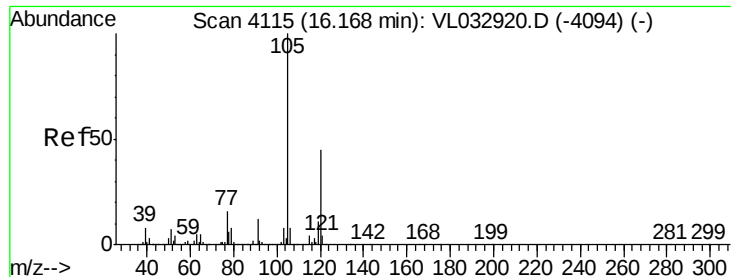
105 100

120 28.7 23.0 34.4

91 13.2 10.4 15.6

77 13.8 11.0 16.4





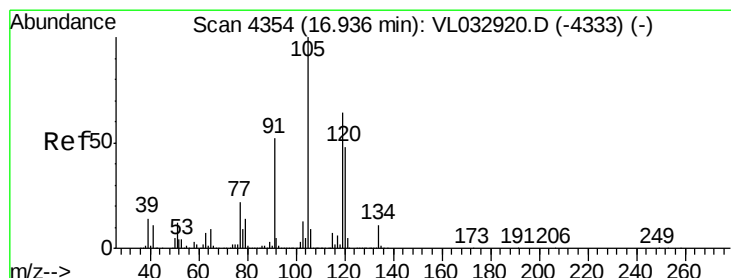
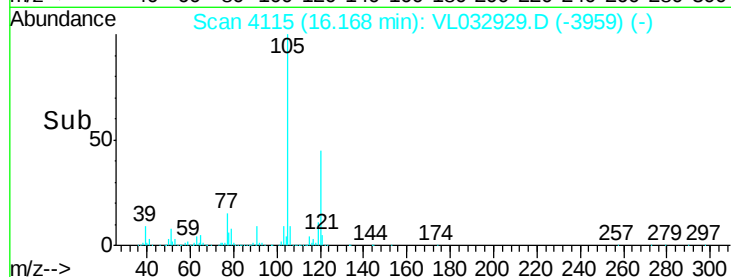
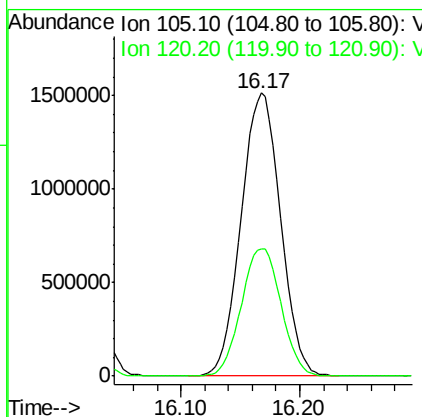
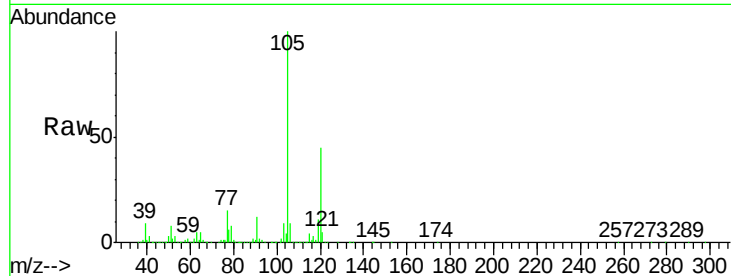
#73
 1,3,5-Trimethylbenzene
 Concen: 10.157 ppbv
 RT: 16.17 min Scan# 4115
 Delta R.T. 0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion:105 Resp: 3474179
 Ion Ratio Lower Upper
 105 100
 120 45.0 36.0 54.0

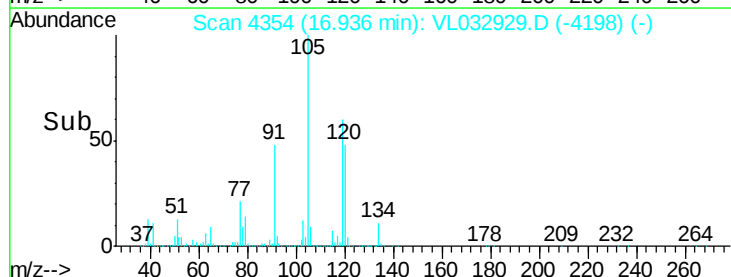
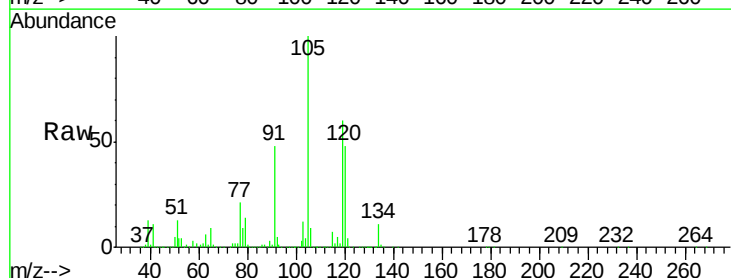
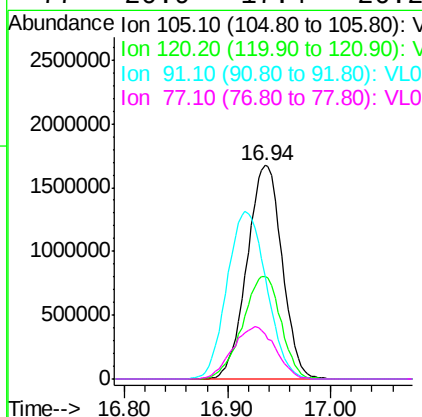
Manual Integrations
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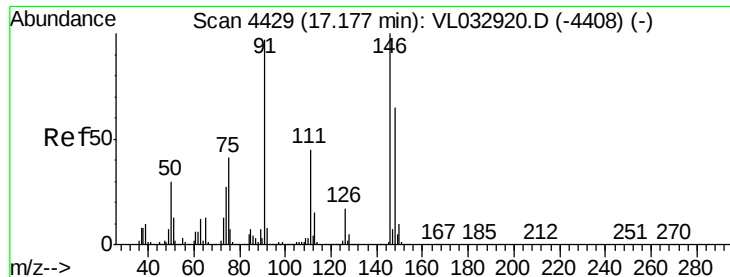
MMDadoda
 12/11/2018 10:08:36 AM



#74
 1,2,4-Trimethylbenzene
 Concen: 10.213 ppbv
 RT: 16.94 min Scan# 4354
 Delta R.T. 0.00 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Tgt Ion:105 Resp: 3944419
 Ion Ratio Lower Upper
 105 100
 120 48.1 38.6 58.0
 91 47.7 41.7 62.5
 77 20.9 17.4 26.2





#75

1,3-Dichlorobenzene

Concen: 9.624 ppbv

RT: 17.17 min Scan# 4428

Delta R.T. -0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

ClientSampleId :

VL1207ABS01

Tgt Ion:146 Resp: 2188778

Ion Ratio Lower Upper

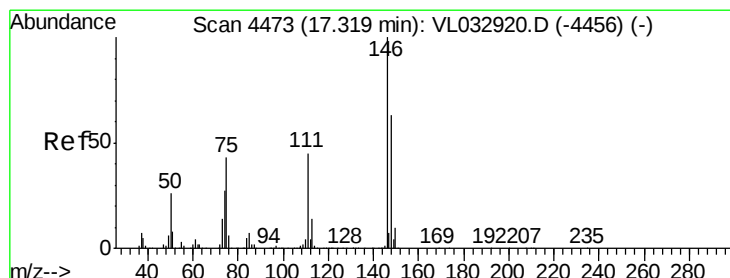
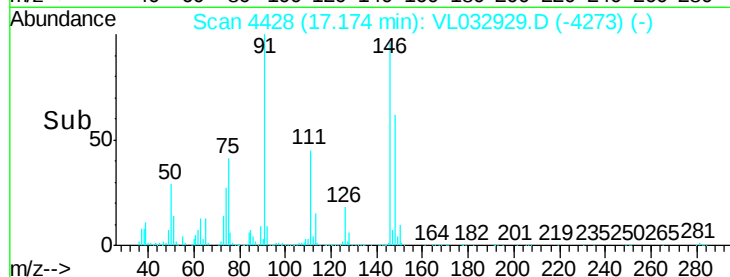
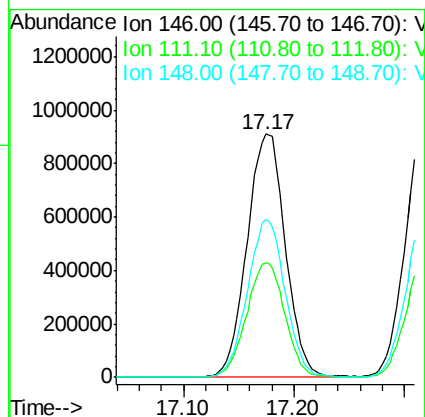
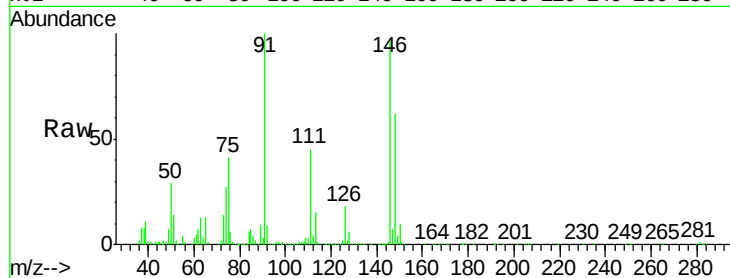
146 100

111 47.3 23.6 70.8

148 64.1 32.1 96.3

Manual Integrations
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MMDadoda
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#76

1,4-Dichlorobenzene

Concen: 10.004 ppbv

RT: 17.32 min Scan# 4473

Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

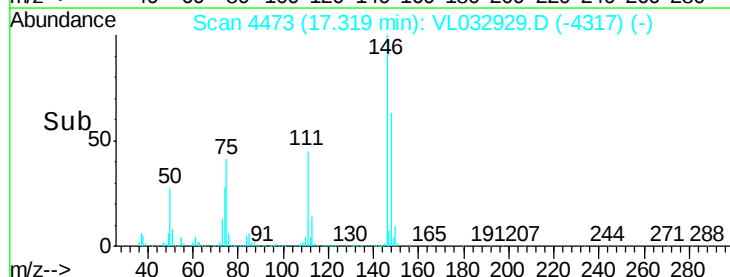
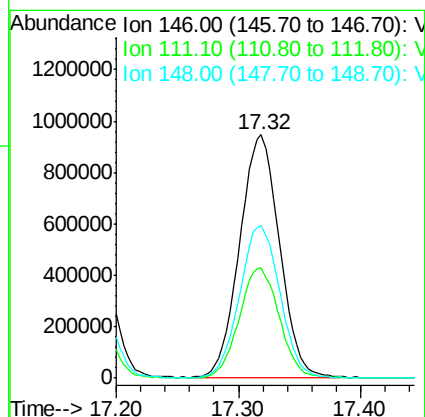
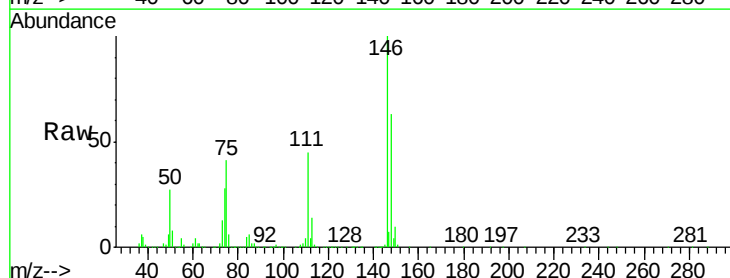
Tgt Ion:146 Resp: 2123045

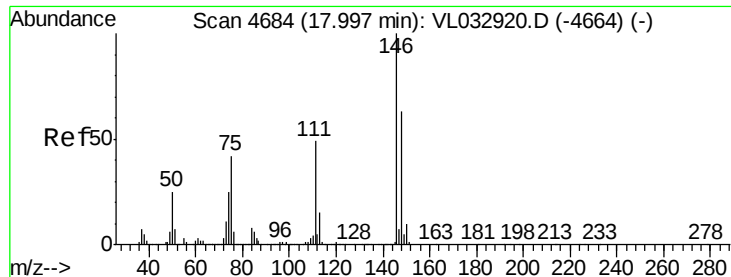
Ion Ratio Lower Upper

146 100

111 45.9 22.8 68.4

148 64.3 32.0 96.2





#77

1,2-Dichlorobenzene

Concen: 9.882 ppbv

RT: 18.00 min Scan# 4684

Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Instrument :

MSVOA_L

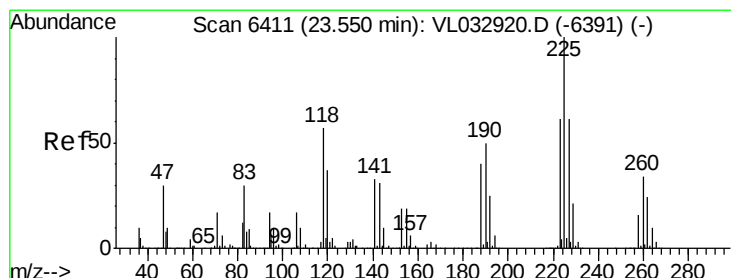
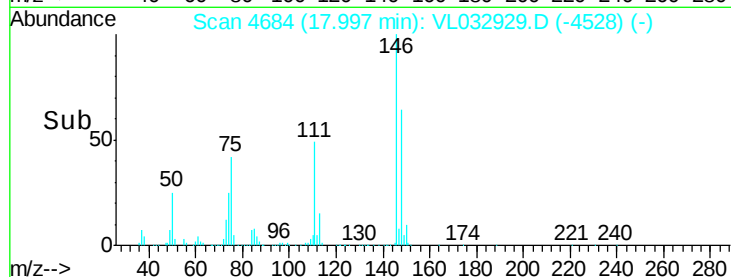
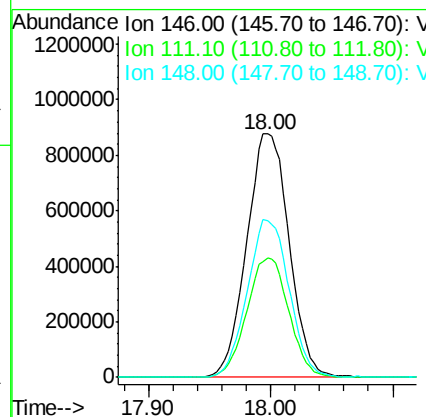
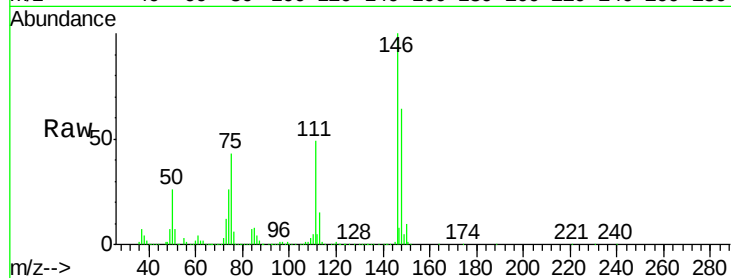
ClientSampleId :

VL1207ABS01

Tgt Ion:	146	Resp:	2098933
Ion Ratio	Lower	Upper	
146	100		
111	49.0	24.3	72.9
148	64.4	32.0	96.2

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#78

Hexachloro-1,3-Butadiene

Concen: 7.899 ppbv

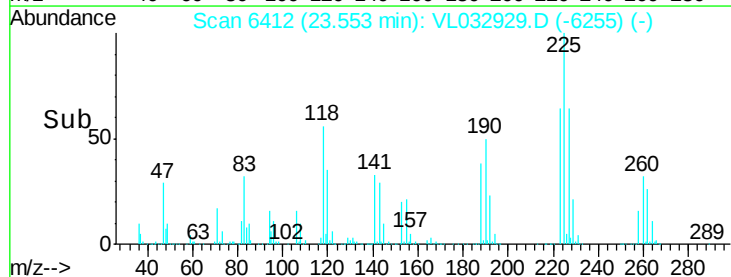
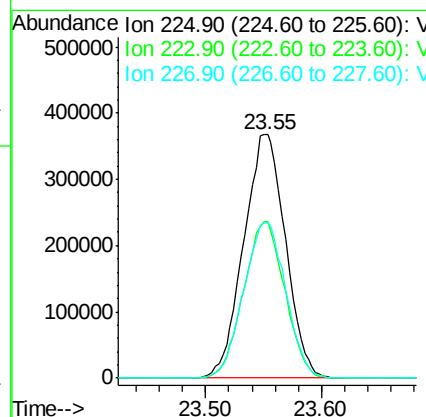
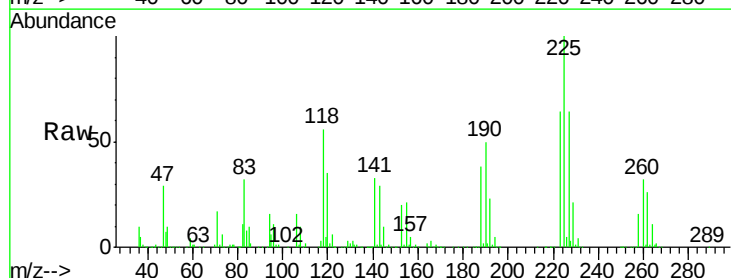
RT: 23.55 min Scan# 6412

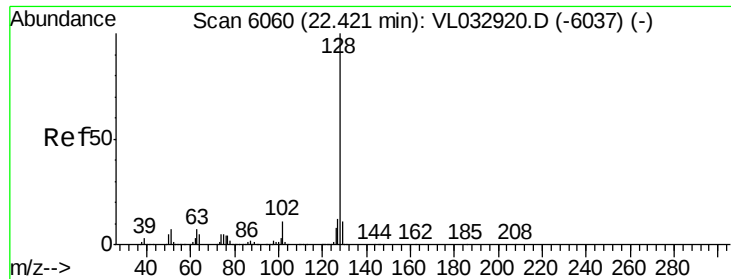
Delta R.T. 0.00 min

Lab File: VL032929.D

Acq: 7 Dec 2018 11:07

Tgt Ion:	225	Resp:	922676
Ion Ratio	Lower	Upper	
225	100		
223	63.4	50.6	75.8
227	64.3	50.4	75.6





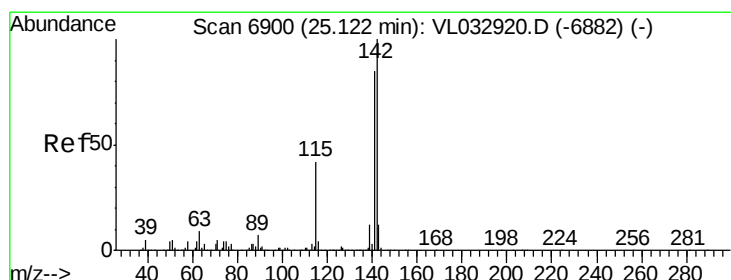
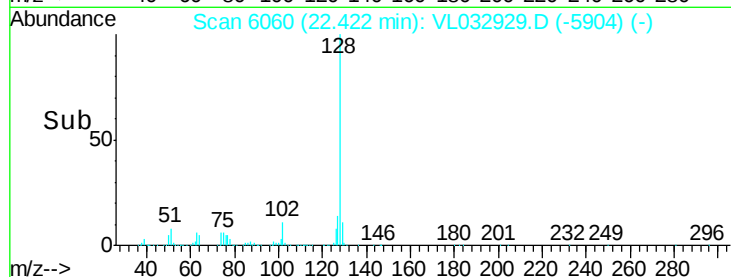
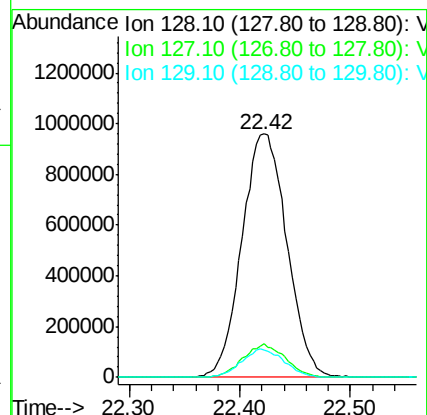
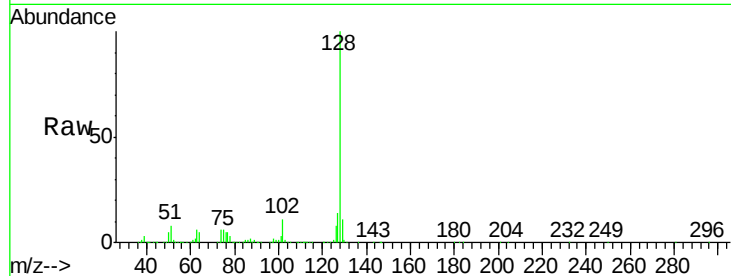
#79
Naphthalene
Concen: 10.827 ppbv
RT: 22.42 min Scan# 6060
Delta R.T. 0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Instrument :
MSVOA_L
ClientSampleId :
VL1207ABS01

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.0	9.9	14.9
129	11.5	8.6	13.0

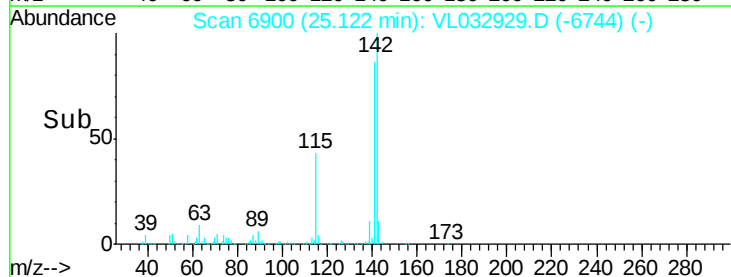
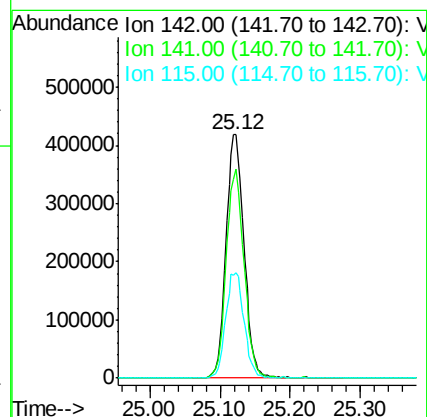
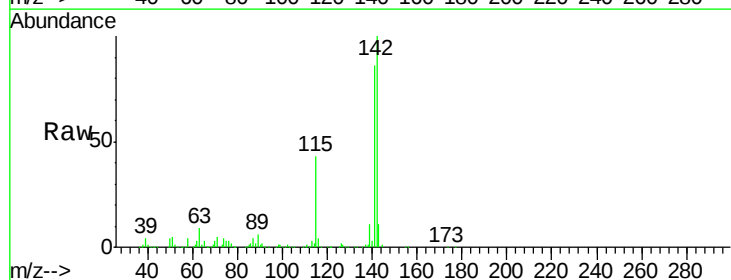
Manual Integrations
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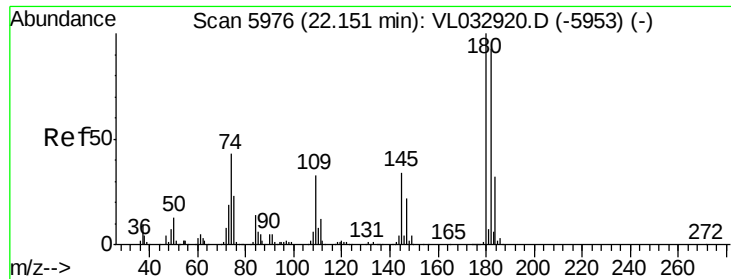
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#80
Naphthalene, 2-methyl-
Concen: 14.086 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL032929.D
Acq: 7 Dec 2018 11:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.6	68.2	102.2
115	44.3	35.1	52.7





#81
 1,2,4-Trichlorobenzene
 Concen: 10.264 ppbv
 RT: 22.14 min Scan# 5974
 Delta R.T. -0.01 min
 Lab File: VL032929.D
 Acq: 7 Dec 2018 11:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1207ABS01

Tgt Ion:	180	Resp:	1357509
Ion	Ratio	Lower	Upper
180	100		
182	94.9	77.0	115.6
184	30.0	24.3	36.5

Manual Integrations
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