

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120418\
 Data File : VL032876.D
 Acq On : 4 Dec 2018 13:20
 Operator : SY/AP
 Sample : VL1204ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL1204ABS01

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 12:59:41 PM

Quant Time: Dec 05 06:08:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1357241	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3603914	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3808329	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.59	95	2664839	9.36	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	1022354	5.240	ppbv	98
3) Chlorodifluoromethane	3.02	51	950258	8.831	ppbv	98
4) Chloromethane	3.18	50	499149	8.366	ppbv	98
5) Vinyl Chloride	3.30	62	517611	8.187	ppbv	99
6) Bromomethane	3.52	94	351955	9.100	ppbv	96
7) Chloroethane	3.61	64	199574	8.758	ppbv	93
8) Dichlorotetrafluoroethane	3.23	85	1348034	8.768	ppbv	99
9) Propene	3.04	41	368846	8.566	ppbv	98
10) Heptane	8.26	43	1583262	9.631	ppbv	100
11) Trichlorofluoromethane	4.01	101	1576616	8.575	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.56	101	1616660	10.765	ppbv	97
13) Ethanol	3.65	45	93986	6.664	ppbv	96
14) Bromoethene	3.80	108	470059	9.434	ppbv	99
15) Acetone	3.91	43	995461	8.031	ppbv	99
16) 1,3-Butadiene	3.37	39	445650	9.284	ppbv	96
17) tert-Butyl alcohol	4.36	59	454427	11.690	ppbv	99
18) 1,1-Dichloroethene	4.36	96	727055	9.845	ppbv	97
19) Isopropyl Alcohol	4.03	45	756476	9.162	ppbv	100
20) Methylene Chloride	4.42	84	636164	9.914	ppbv	96
21) Allyl Chloride	4.48	41	1139070	10.936	ppbv	98
22) trans-1,2-Dichloroethene	4.97	96	743681	10.313	ppbv	98
23) Vinyl Acetate	5.16	43	2211276	9.787	ppbv	99
24) 1,1-Dichloroethane	5.10	63	1801193	10.027	ppbv	99
25) Ethyl Acetate	5.78	43	2658940	9.204	ppbv	99
26) Hexane	5.79	57	1215619	9.453	ppbv	99
27) Carbon Disulfide	4.63	76	1862547	11.422	ppbv	99
28) Methyl tert-Butyl Ether	5.12	73	2226690	10.858	ppbv	100
29) Chloroform	5.86	83	2105692	9.187	ppbv	97
30) Cyclohexane	7.25	84	1122174	9.977	ppbv	97
31) cis-1,2-Dichloroethene	5.65	61	1272957	9.846	ppbv	97
32) 1,1,1-Trichloroethane	6.63	97	2320979	9.239	ppbv	99
34) 2-Butanone	5.34	43	1657190	8.866	ppbv	100
35) Carbon Tetrachloride	7.14	117	2536409	8.755	ppbv	98
36) Benzene	7.01	78	2599687	9.059	ppbv	98
37) 1,2-Dichloroethane	6.42	62	1750083	9.059	ppbv	100
38) Trichloroethene	7.97	130	1115986	9.609	ppbv	99
39) 1,2-Dichloropropane	7.75	63	973964	8.907	ppbv	96
40) 1,4-Dioxane	7.97	88	347932	8.909	ppbv	100
41) Tetrahydrofuran	6.16	42	1020066	9.514	ppbv	100
42) Bromodichloromethane	7.93	83	2428515	9.273	ppbv	98
43) Methyl Methacrylate	8.15	69	1045535	9.759	ppbv	97

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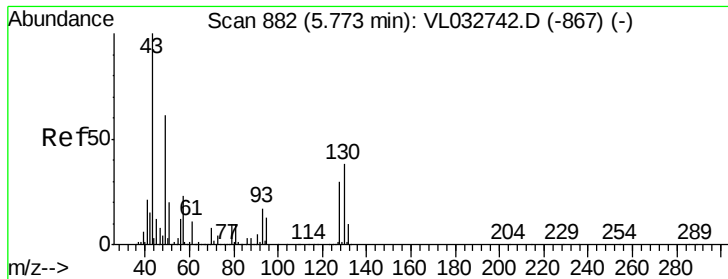
Manual Integrations
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Quant Time: Dec 05 06:08:00 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	8.00	57	4411731	9.199	ppbv	99
45) t-1,3-Dichloropropene	9.43	75	1482255	10.310	ppbv	100
46) cis-1,3-Dichloropropene	8.85	75	1693028	9.747	ppbv	99
47) 1,1,2-Trichloroethane	9.63	97	1128950	8.732	ppbv	94
48) Dibromochloromethane	10.46	129	2112900	9.615	ppbv	99
49) Bromoform	13.21	173	1872097	10.315	ppbv	100
50) 4-Methyl-2-Pentanone	8.88	43	2702532	9.257	ppbv	100
51) 2-Hexanone	10.28	43	1938858	10.308	ppbv #	99
52) Tetrachloroethene	11.39	164	973877	9.755	ppbv	99
53) Toluene	9.96	91	3337879	11.149	ppbv	100
54) 1,2-Dibromoethane	10.77	107	1776571	9.720	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.29	131	1641856	9.243	ppbv	98
57) Chlorobenzene	12.32	112	2618245	8.981	ppbv	98
58) Ethyl Benzene	12.88	91	4275842	9.329	ppbv	100
59) m/p-Xylene	13.14	91	7299065m	17.890	ppbv	
60) o-Xylene	13.86	91	3561655	8.682	ppbv	100
61) Styrene	13.70	104	2599950	9.735	ppbv	99
62) Isopropylbenzene	14.84	105	5079617	9.160	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.85	83	2436070	7.617	ppbv	99
64) n-propylbenzene	15.73	120	1299943	8.913	ppbv	97
65) tert-Butylbenzene	16.92	119	4542861	9.139	ppbv	99
66) Benzyl Chloride	17.17	91	2572177	9.360	ppbv	99
67) sec-Butylbenzene	17.47	105	6278097	8.764	ppbv	99
69) p-Isopropyltoluene	17.83	119	5151291	9.044	ppbv	99
70) n-Butylbenzene	18.73	91	5094453	8.808	ppbv	100
71) 2-Chlorotoluene	15.63	91	3726704	9.012	ppbv	98
72) 4-Ethyltoluene	16.02	105	4078768	9.071	ppbv	98
73) 1,3,5-Trimethylbenzene	16.17	105	3945494	8.974	ppbv	97
74) 1,2,4-Trimethylbenzene	16.94	105	3992330	8.486	ppbv	97
75) 1,3-Dichlorobenzene	17.18	146	2230846	8.266	ppbv	99
76) 1,4-Dichlorobenzene	17.32	146	2194653	8.706	ppbv	99
77) 1,2-Dichlorobenzene	18.00	146	2176899	8.719	ppbv	99
78) Hexachloro-1,3-Butadiene	23.56	225	868704m	6.447	ppbv	
79) Naphthalene	22.43	128	2922358	9.455	ppbv	99
80) Naphthalene, 2-methyl-	25.12	142	792897	10.243	ppbv	98
81) 1,2,4-Trichlorobenzene	22.15	180	1505853	9.702	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: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tot Ion: 49 Resp: 1357241

Ion Ratio Lower Upper

49 100

128 53.3 24.9 74.6

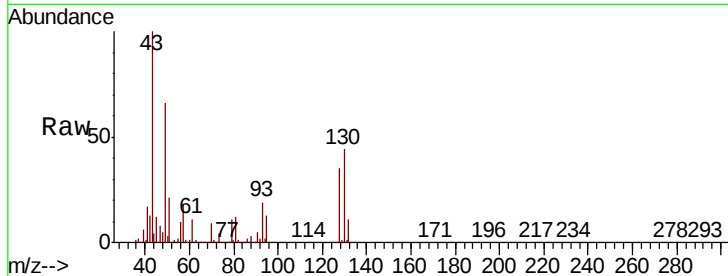
130 67.8 31.4 94.2

Manual Integrations

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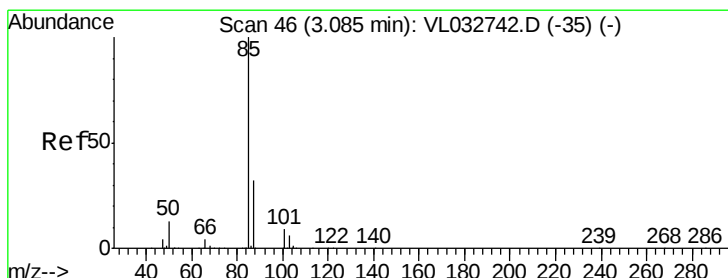
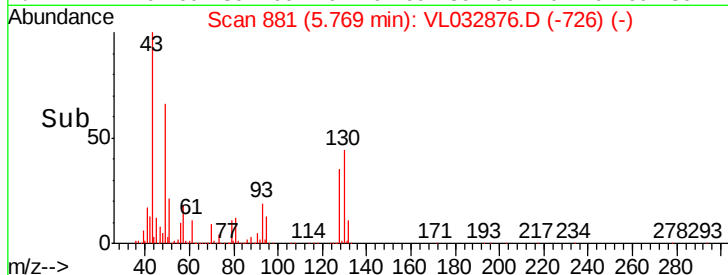
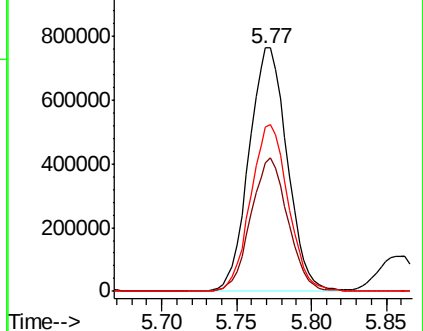
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 5.240 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032876.D

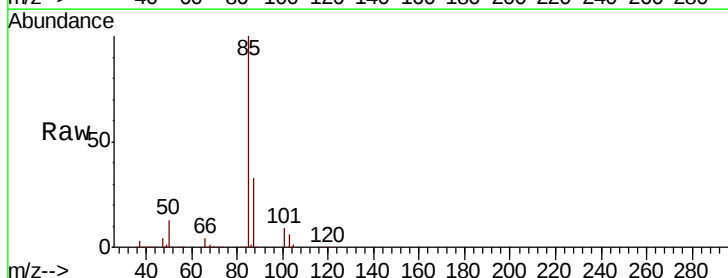
Acq: 4 Dec 2018 13:20

Tgt Ion: 85 Resp: 1022354

Ion Ratio Lower Upper

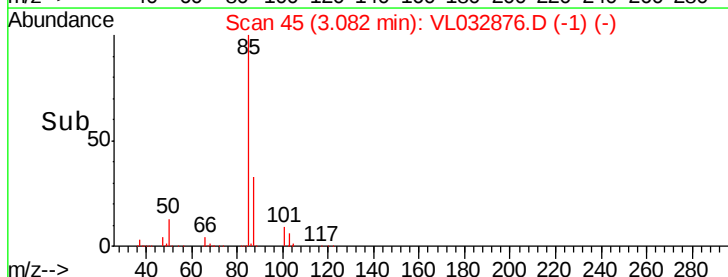
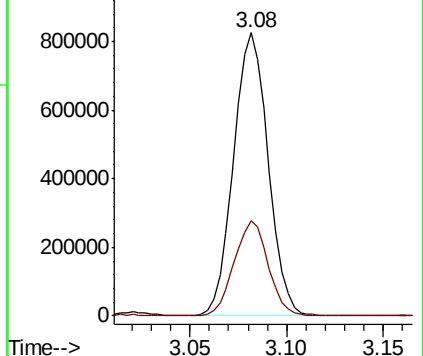
85 100

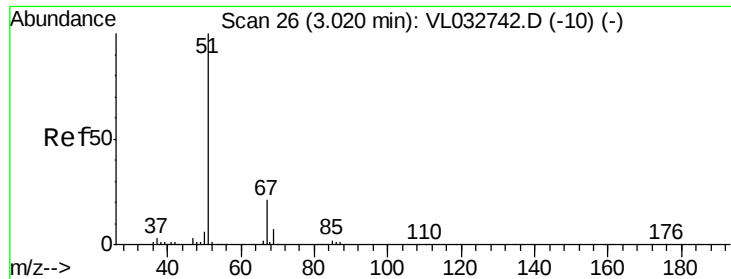
87 33.5 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.831 ppbv

RT: 3.02 min Scan# 25

Delta R.T. -0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Tot Ion: 51 Resp: 950258

Ion Ratio Lower Upper

51 100

67 21.1 16.1 24.1

Instrument :

MSVOA_L

ClientSampleId :

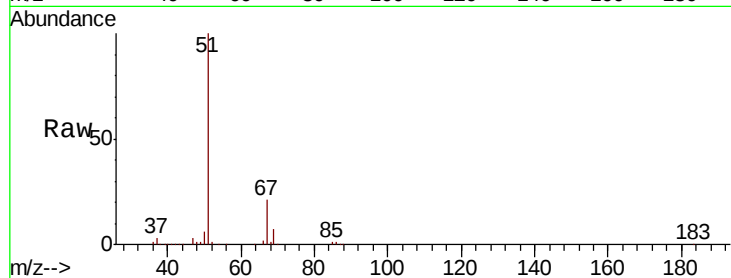
VL1204ABS01

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

3.02

800000

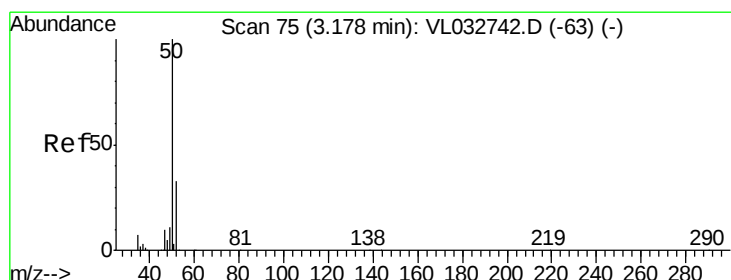
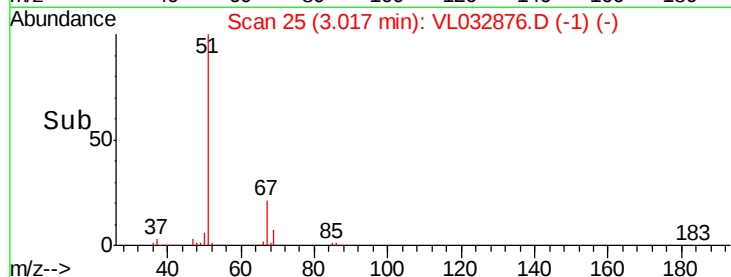
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 8.366 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.00 min

Lab File: VL032876.D

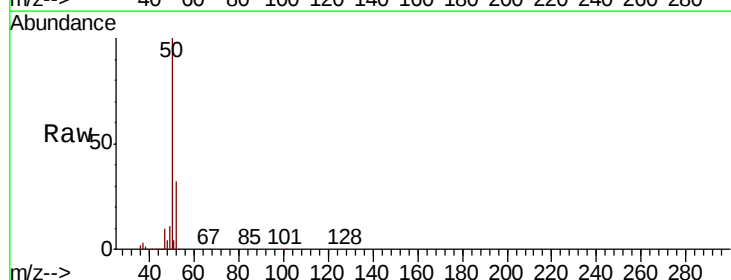
Acq: 4 Dec 2018 13:20

Tgt Ion: 50 Resp: 499149

Ion Ratio Lower Upper

50 100

52 31.9 26.6 40.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

3.18

400000

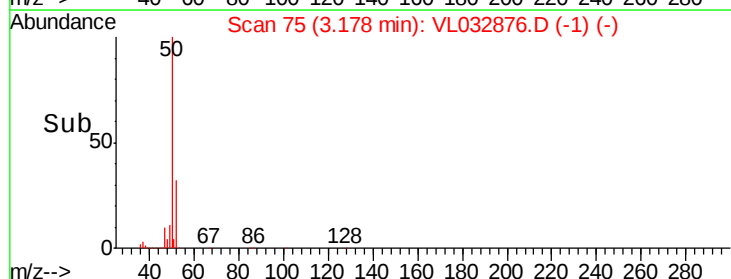
300000

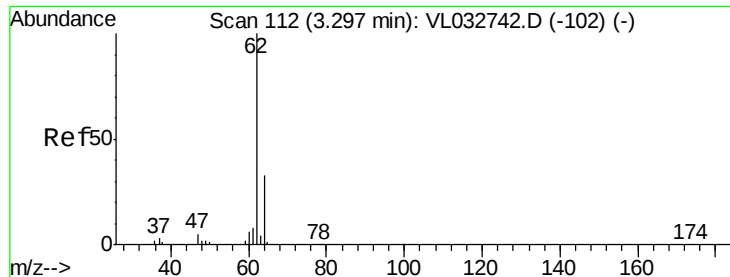
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 8.187 ppbv

RT: 3.30 min Scan# 112

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tot Ion: 62 Resp: 517611

Ion Ratio Lower Upper

62 100

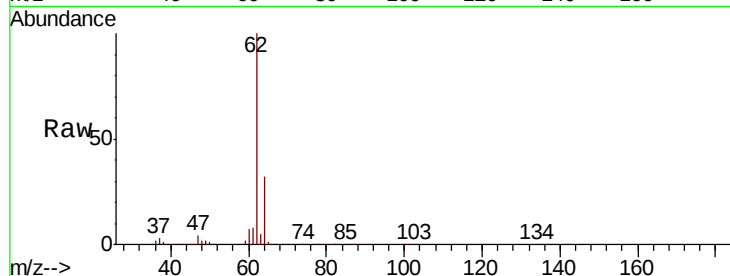
64 32.1 26.2 39.4

Manual Integrations

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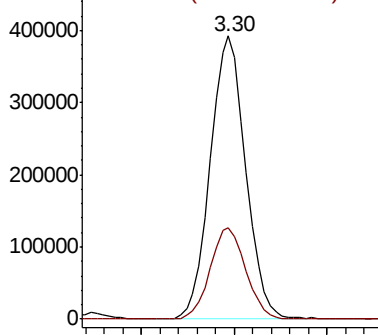
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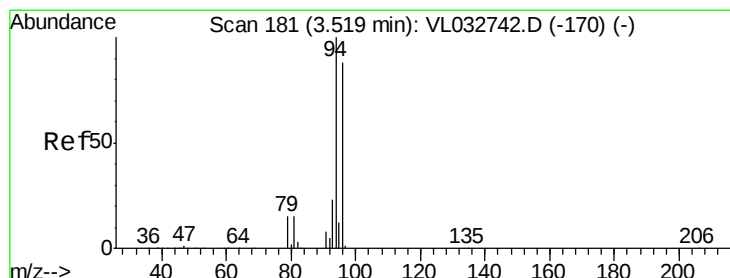
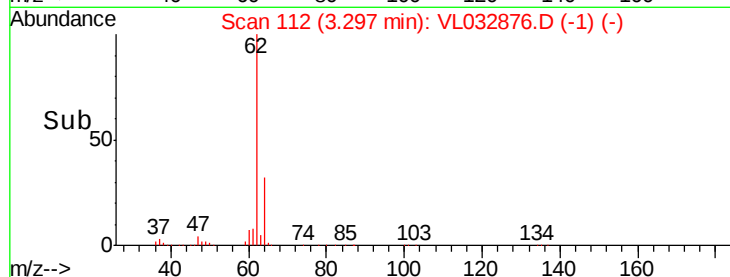


Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



Time-->



#6

Bromomethane

Concen: 9.100 ppbv

RT: 3.52 min Scan# 181

Delta R.T. 0.00 min

Lab File: VL032876.D

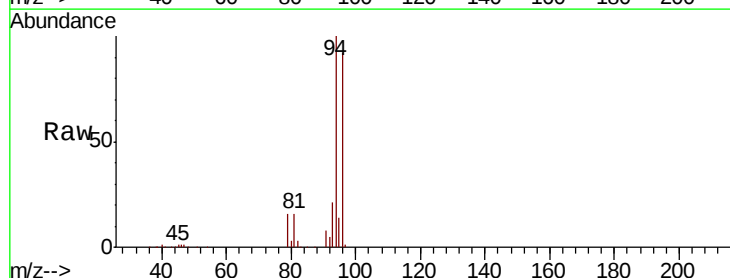
Acq: 4 Dec 2018 13:20

Tgt Ion: 94 Resp: 351955

Ion Ratio Lower Upper

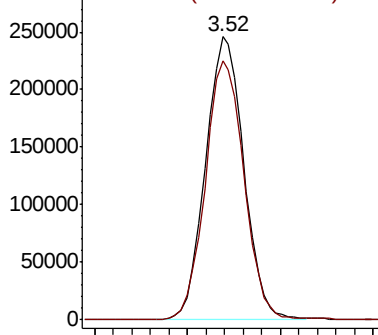
94 100

96 91.5 70.2 105.2

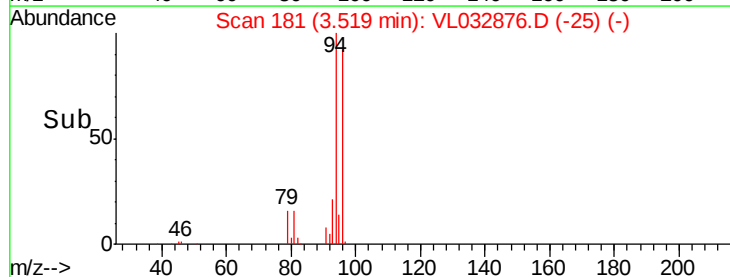


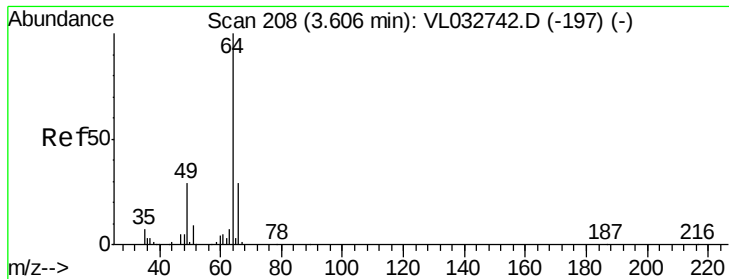
Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0



Time-->





#7

Chloroethane

Concen: 8.758 ppbv

RT: 3.61 min Scan# 208

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tot Ion: 64 Resp: 199574

Ion Ratio Lower Upper

64 100

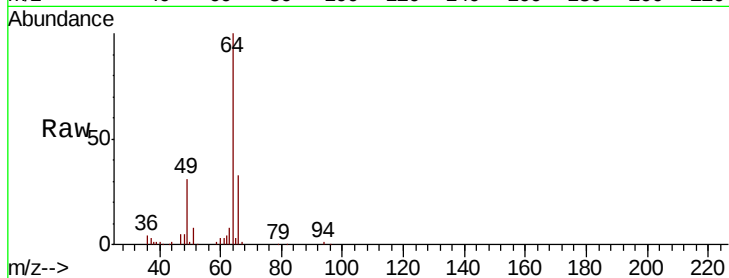
66 32.6 23.2 34.8

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

150000

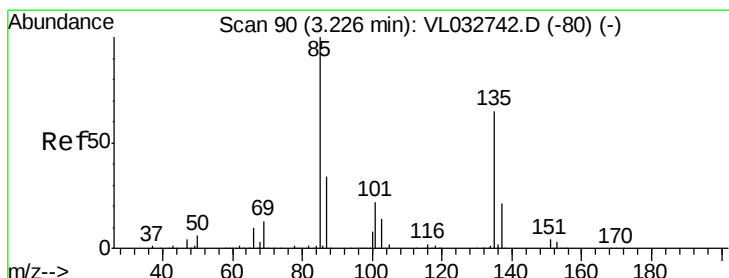
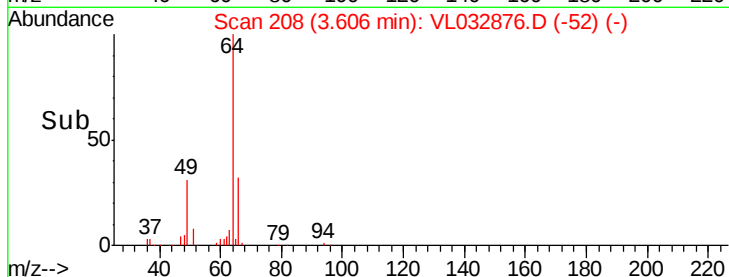
100000

50000

0

3.55 3.60 3.65

Time-->



#8

Dichlorotetrafluoroethane

Concen: 8.768 ppbv

RT: 3.23 min Scan# 90

Delta R.T. 0.00 min

Lab File: VL032876.D

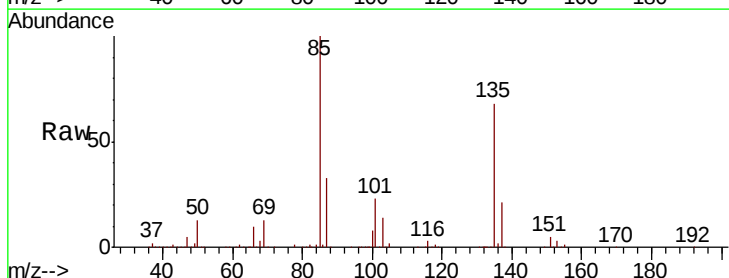
Acq: 4 Dec 2018 13:20

Tgt Ion: 85 Resp: 1348034

Ion Ratio Lower Upper

85 100

135 67.9 53.8 80.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

1200000

1000000

800000

600000

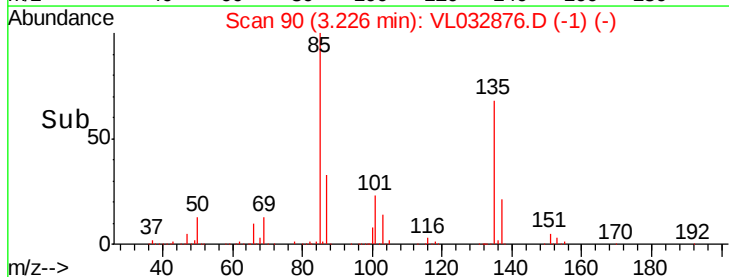
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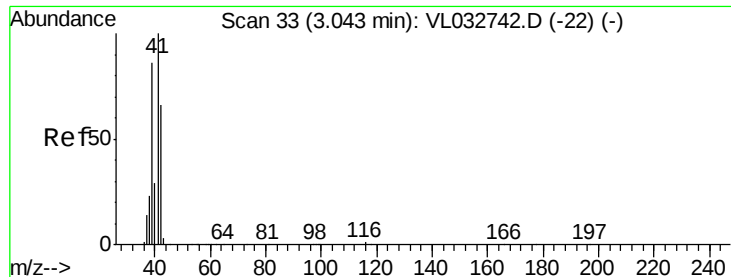
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3.15 3.20 3.25

Time-->





#9

Propene

Concen: 8.566 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tot Ion: 41 Resp: 368846

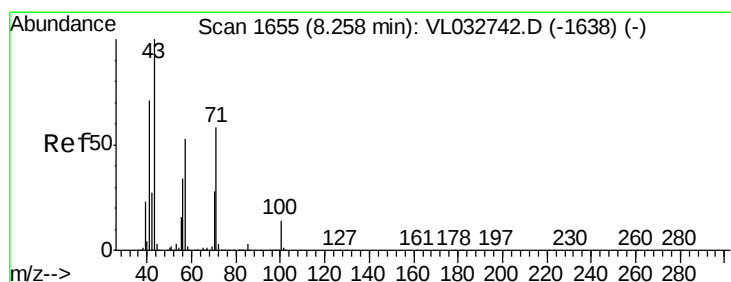
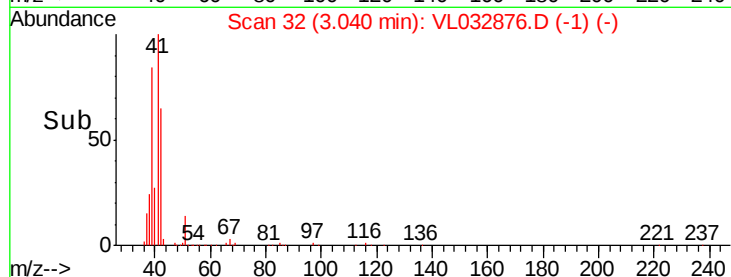
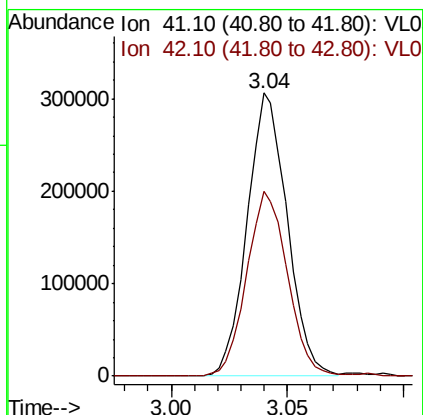
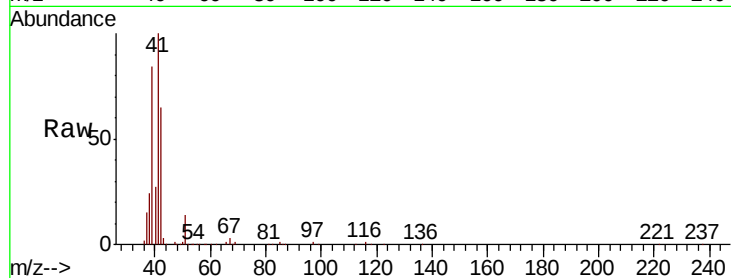
Ion Ratio Lower Upper

41 100

42 67.2 55.0 82.6

Manual Integrations
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#10

Heptane

Concen: 9.631 ppbv

RT: 8.26 min Scan# 1655

Delta R.T. 0.00 min

Lab File: VL032876.D

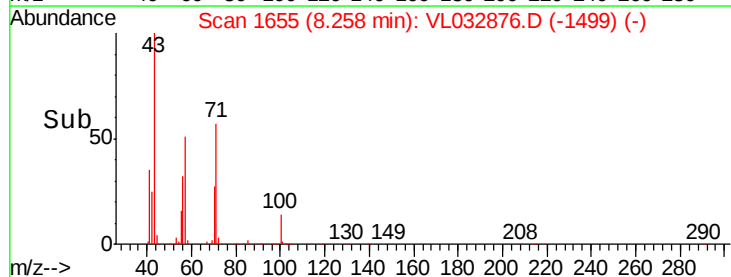
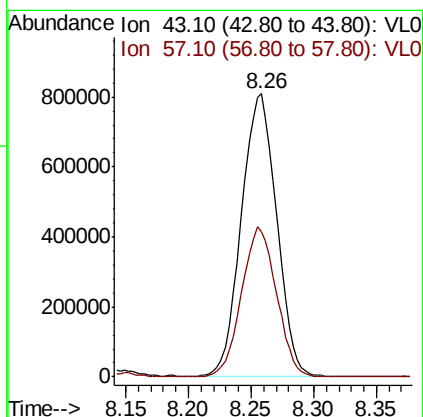
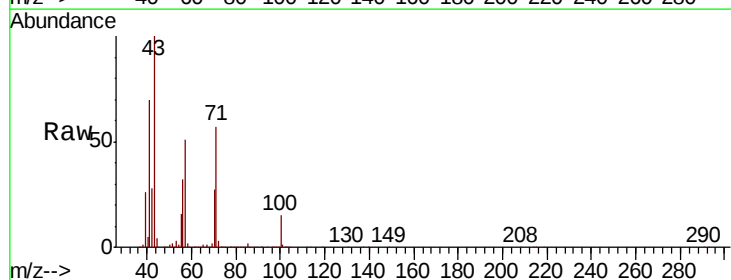
Acq: 4 Dec 2018 13:20

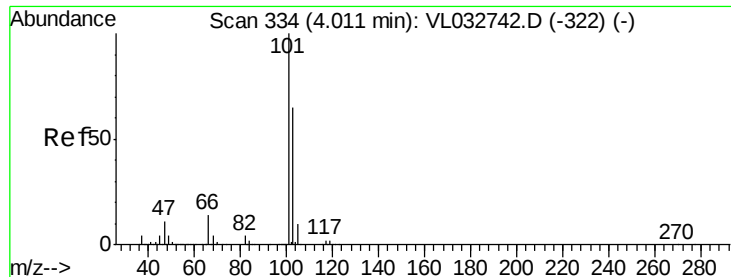
Tgt Ion: 43 Resp: 1583262

Ion Ratio Lower Upper

43 100

57 52.6 41.8 62.8





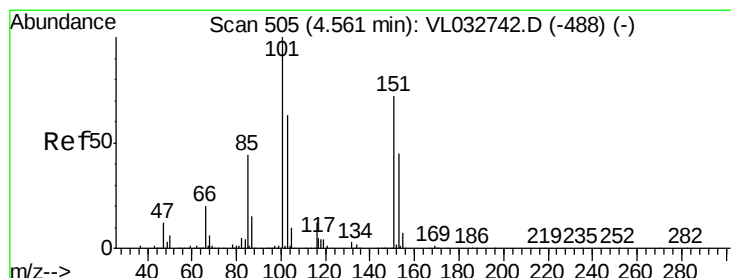
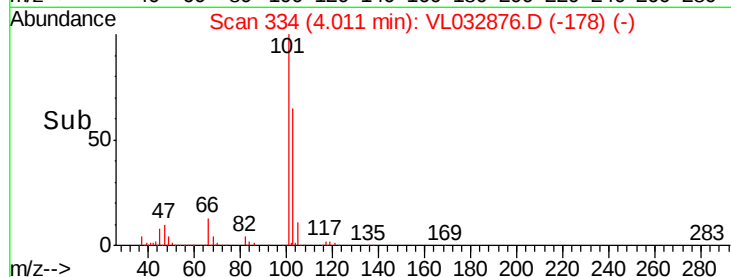
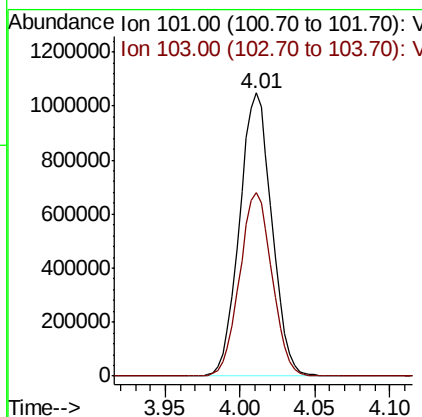
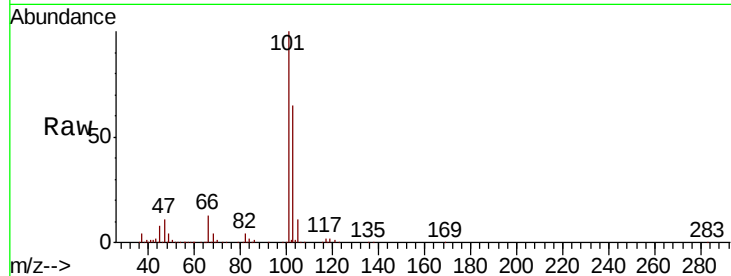
#11
 Trichlorofluoromethane
 Concen: 8.575 ppbv
 RT: 4.01 min Scan# 334
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Tot Ion:101 Resp: 1576616
 Ion Ratio Lower Upper
 101 100
 103 64.8 51.6 77.4

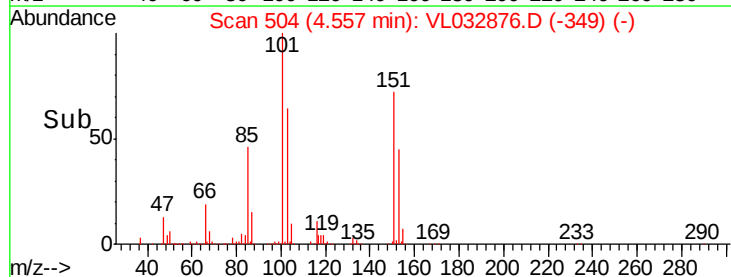
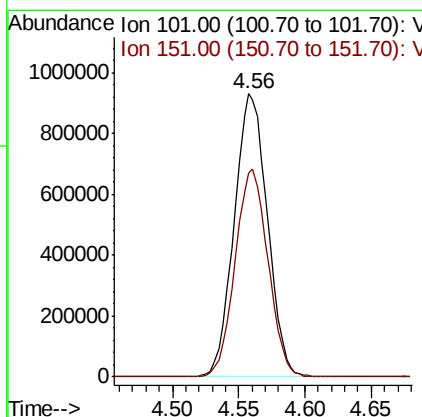
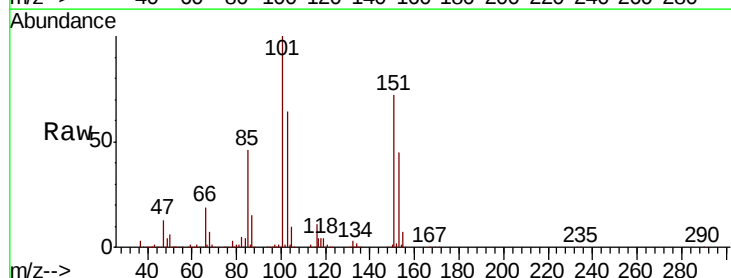
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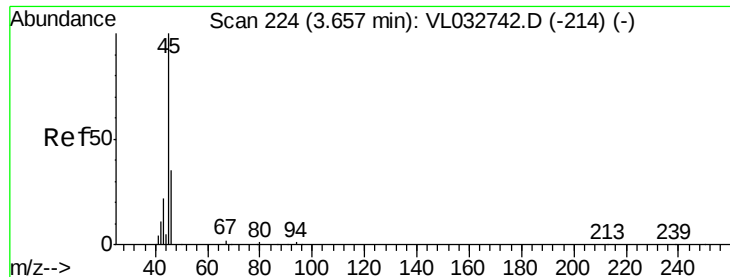
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.765 ppbv
 RT: 4.56 min Scan# 504
 Delta R.T. -0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion:101 Resp: 1616660
 Ion Ratio Lower Upper
 101 100
 151 73.0 56.7 85.1





#13

Ethanol

Concen: 6.664 ppbv

RT: 3.65 min Scan# 223

Delta R.T. -0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tot Ion: 45 Resp: 93986

Ion Ratio Lower Upper

45 100

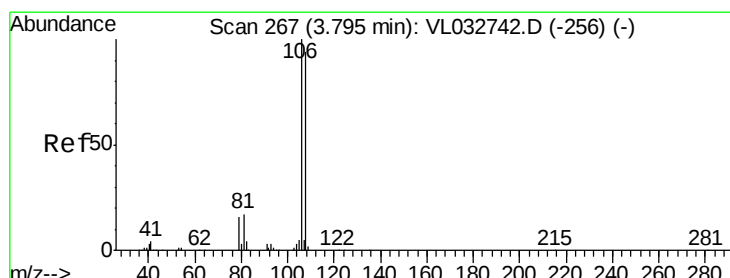
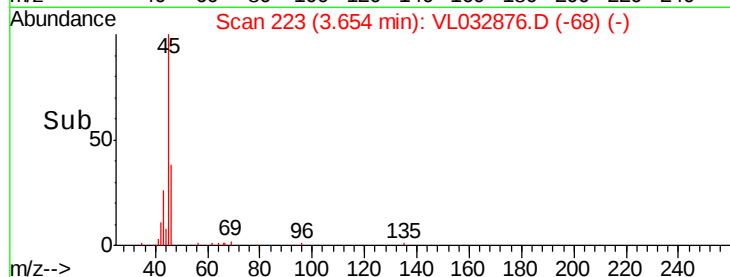
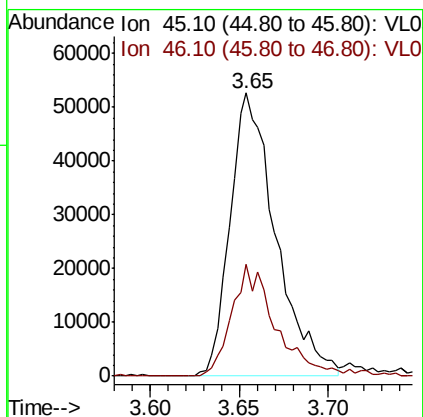
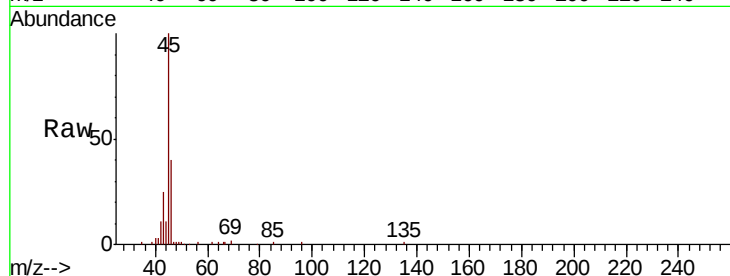
46 38.6 14.5 57.9

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#14

Bromoethene

Concen: 9.434 ppbv

RT: 3.80 min Scan# 267

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

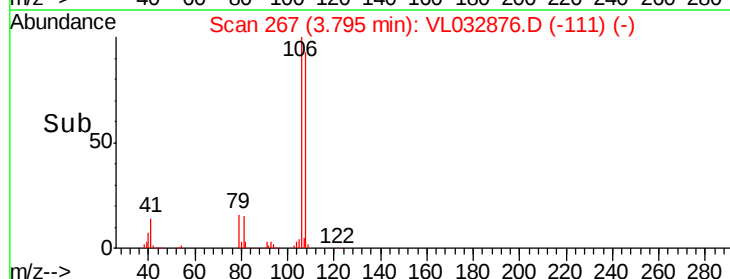
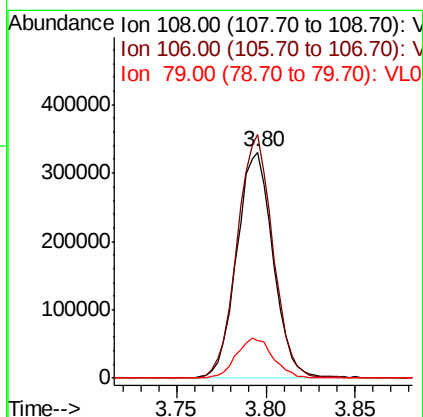
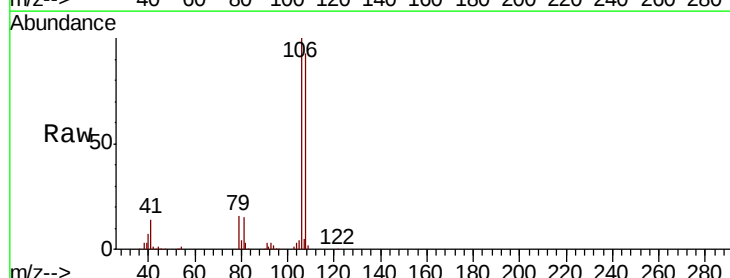
Tgt Ion: 108 Resp: 470059

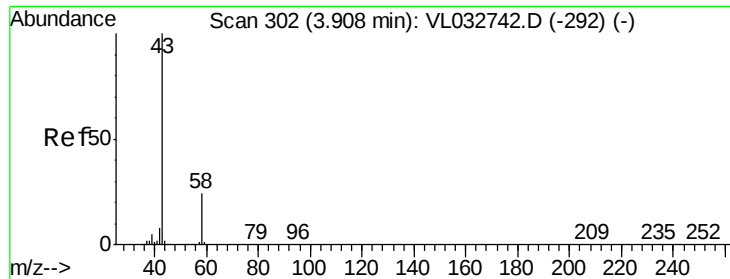
Ion Ratio Lower Upper

108 100

106 106.8 84.9 127.3

79 18.3 14.2 21.4





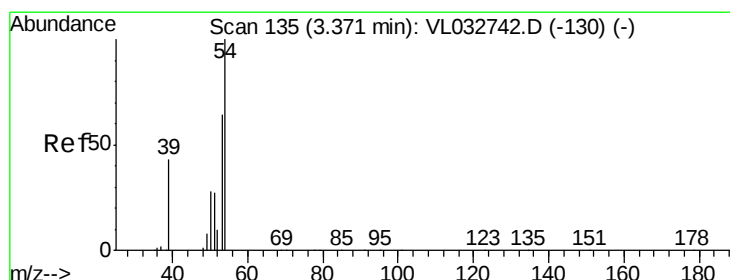
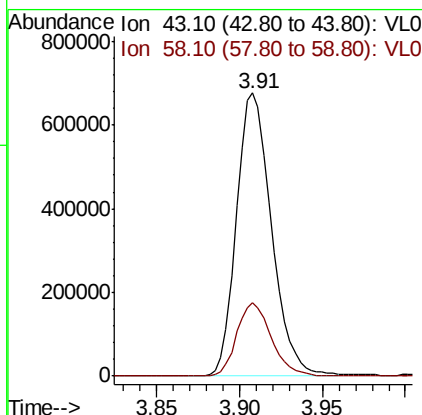
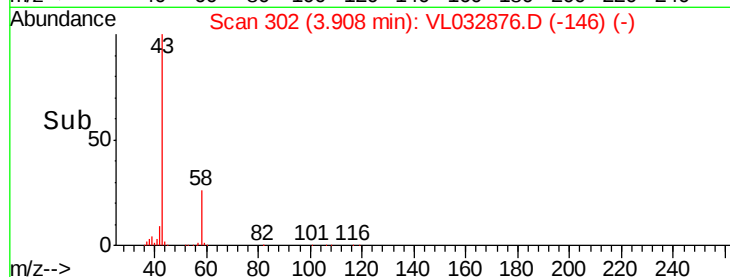
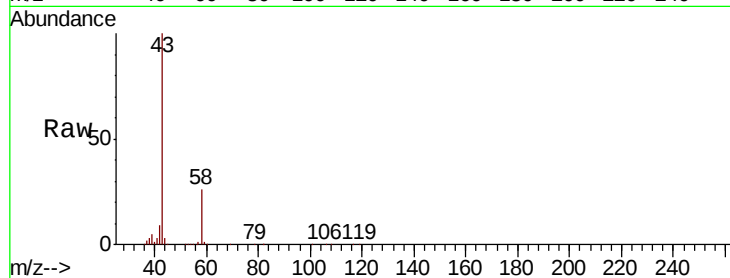
#15
Acetone
Concen: 8.031 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	25.7	21.1	31.7

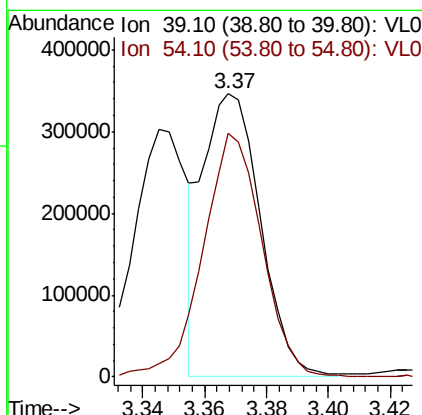
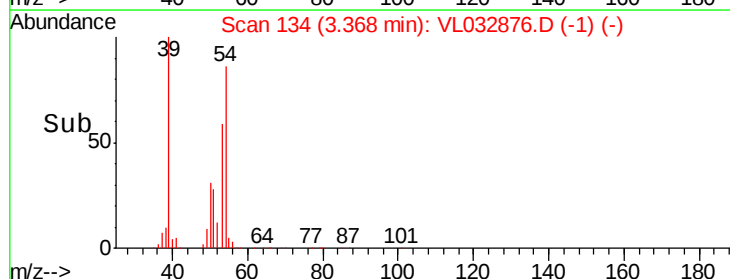
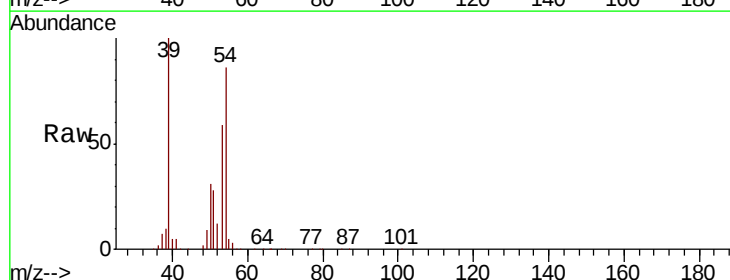
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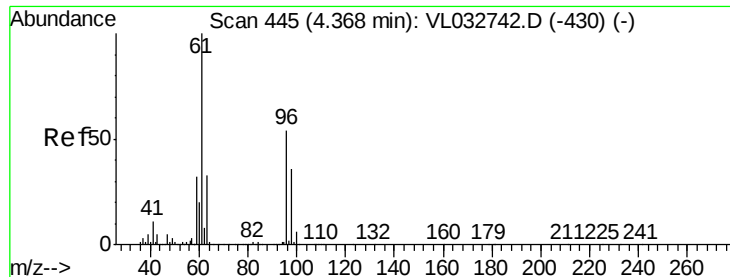
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#16
1,3-Butadiene
Concen: 9.284 ppbv
RT: 3.37 min Scan# 134
Delta R.T. -0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
39	100		
54	89.4	68.9	103.3





#17

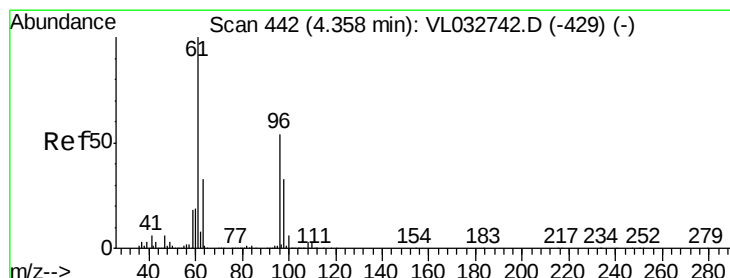
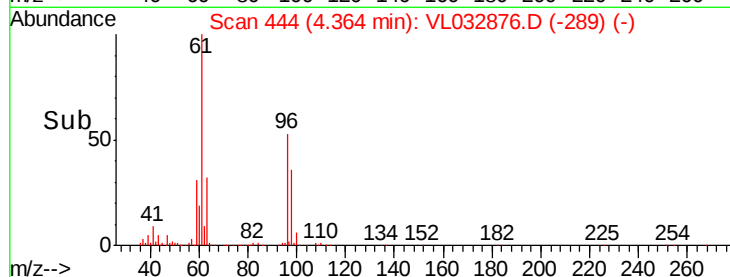
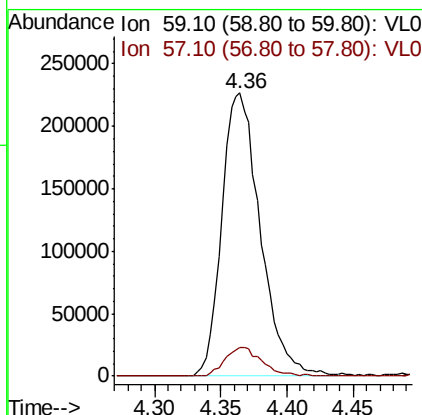
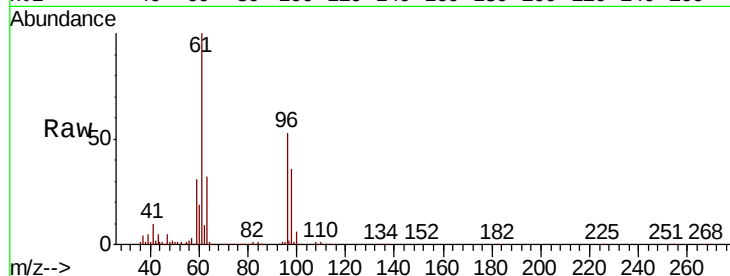
tert-Butyl alcohol
 Concen: 11.690 ppbv
 RT: 4.36 min Scan# 444
 Delta R.T. -0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Tot Ion: 59 Resp: 454427
 Ion Ratio Lower Upper
 59 100
 57 10.0 7.8 11.8

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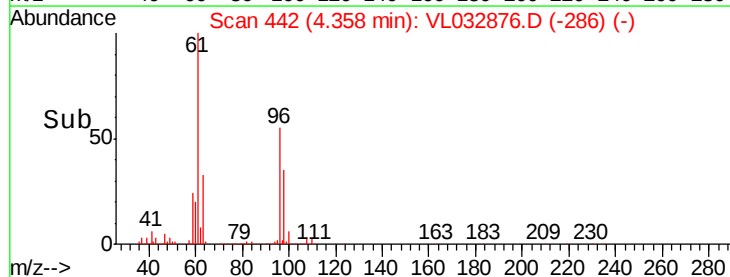
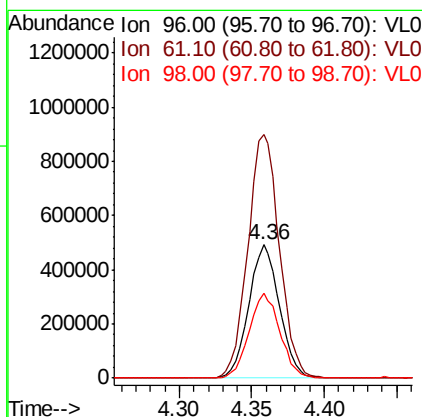
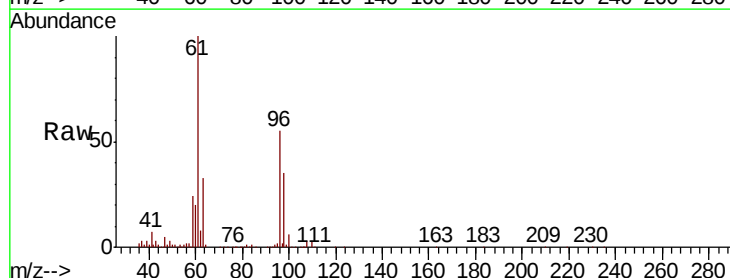
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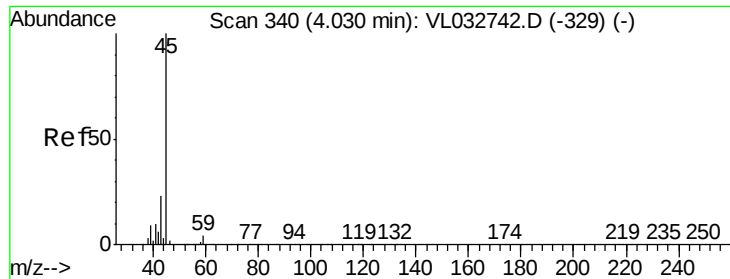


#18

1,1-Dichloroethene
 Concen: 9.845 ppbv
 RT: 4.36 min Scan# 442
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion: 96 Resp: 727055
 Ion Ratio Lower Upper
 96 100
 61 182.4 148.5 222.7
 98 63.4 48.6 72.8





#19

Isopropyl Alcohol

Concen: 9.162 ppbv

RT: 4.03 min Scan# 339

Delta R.T. -0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tot Ion: 45 Resp: 756476

Ion Ratio Lower Upper

45 100

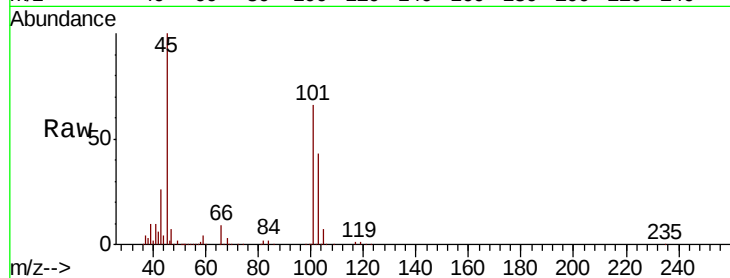
58 1.6 1.4 2.0

Manual Integrations

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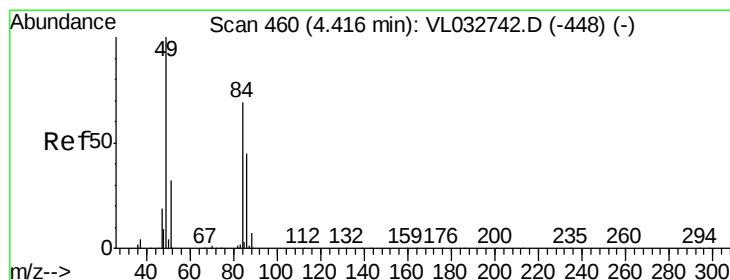
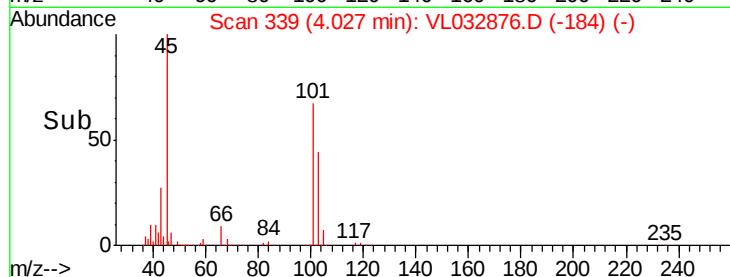
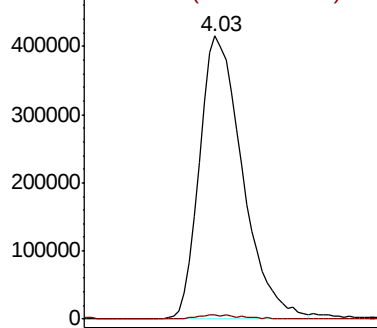
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.914 ppbv

RT: 4.42 min Scan# 460

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Tgt Ion: 84 Resp: 636164

Ion Ratio Lower Upper

84 100

49 142.3 115.8 173.6

51 41.7 36.9 55.3

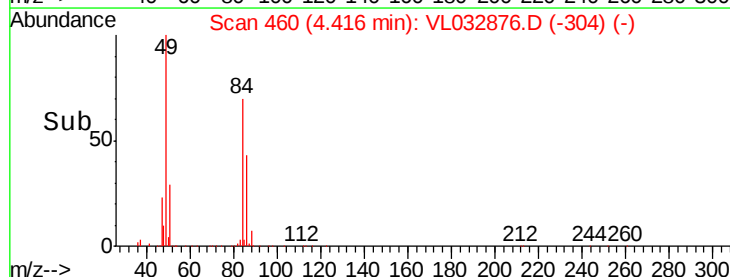
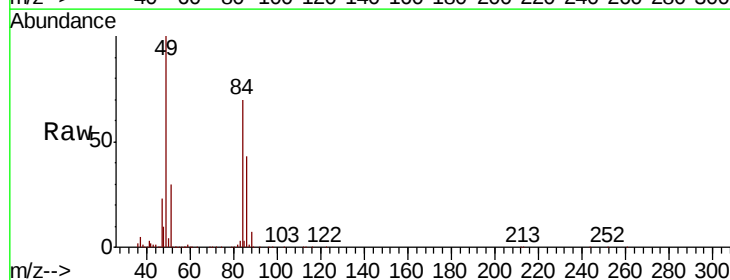
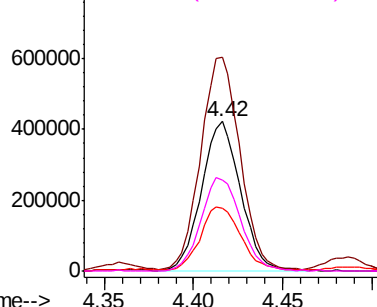
86 60.8 52.4 78.6

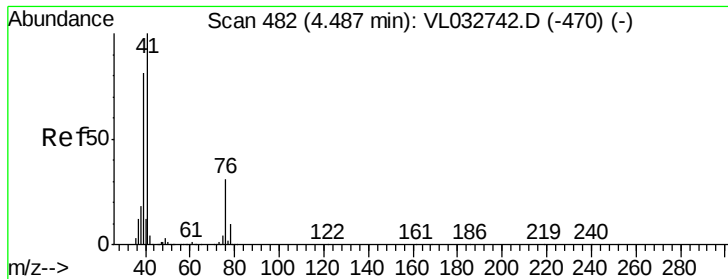
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





#21

Allvl Chloride

Concen: 10.936 ppbv

RT: 4.48 min Scan# 481

Delta R.T. -0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

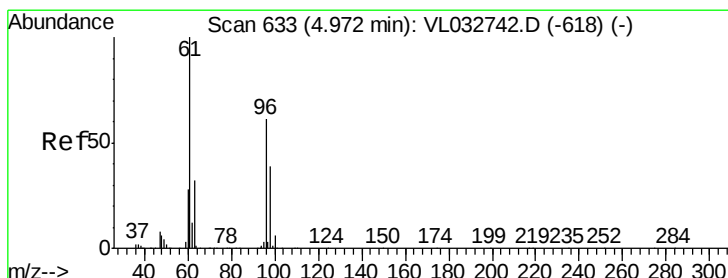
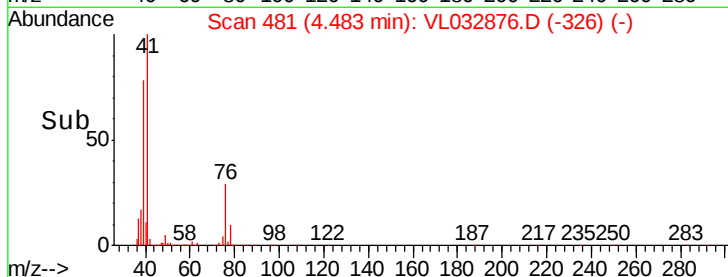
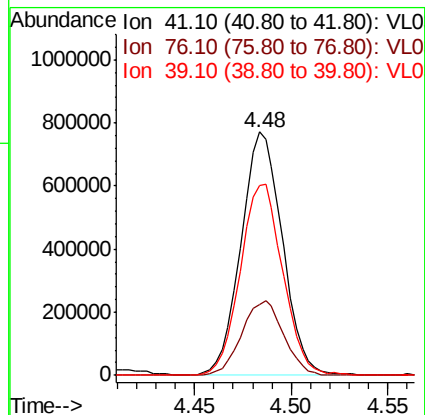
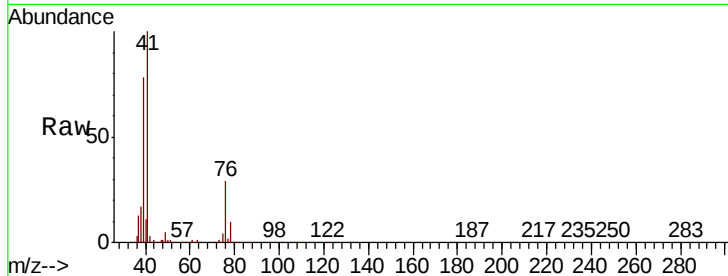
ClientSampleId :

VL1204ABS01

Tot Ion:	41	Resp:	1139070
Ion	Ratio	Lower	Upper
41	100		
76	31.6	24.4	36.6
39	81.5	63.5	95.3

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#22

trans-1,2-Dichloroethene

Concen: 10.313 ppbv

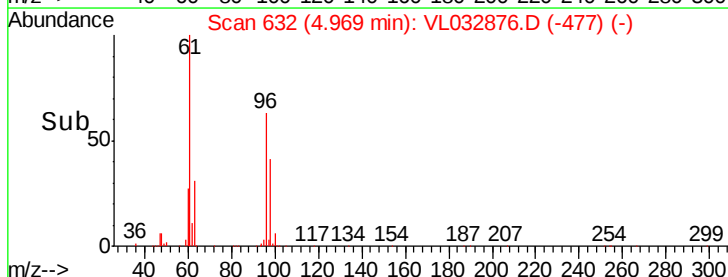
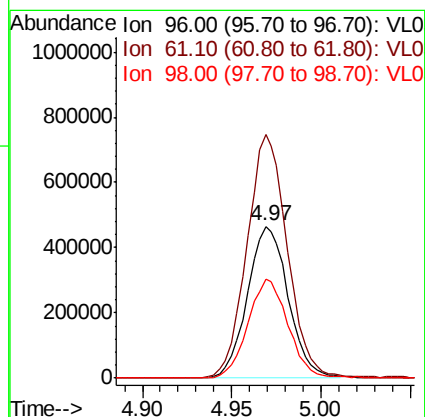
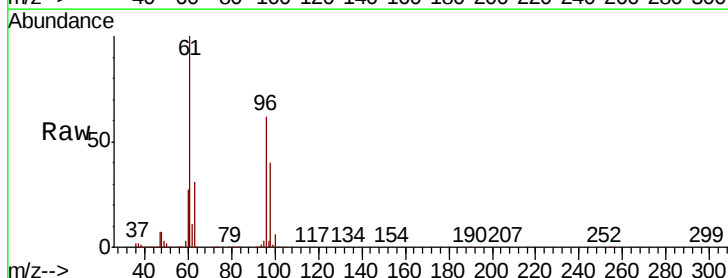
RT: 4.97 min Scan# 632

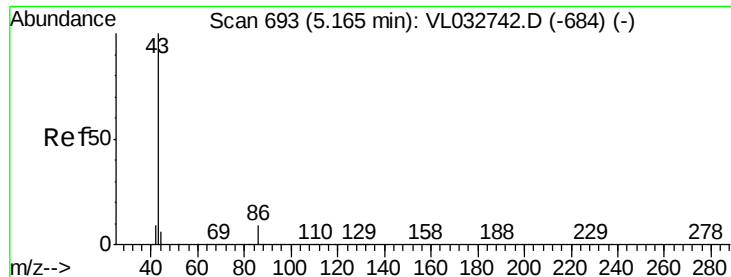
Delta R.T. -0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Tgt Ion:	96	Resp:	743681
Ion	Ratio	Lower	Upper
96	100		
61	160.0	130.2	195.2
98	64.8	50.2	75.2





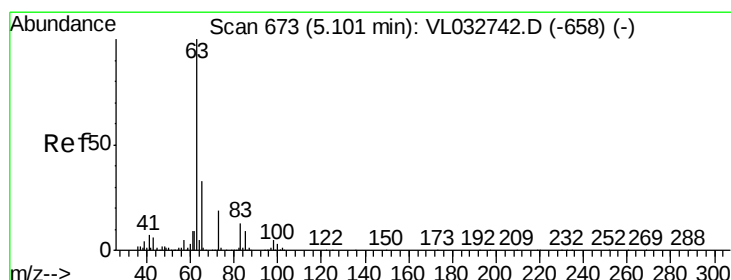
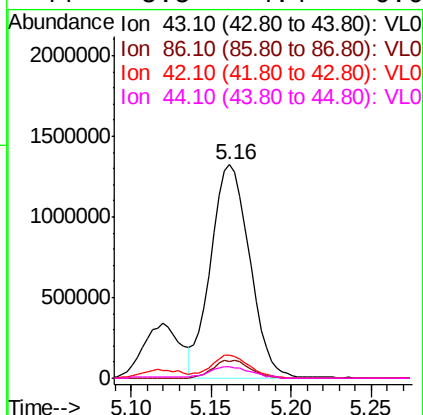
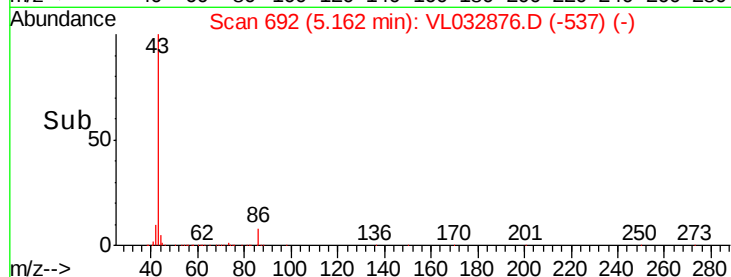
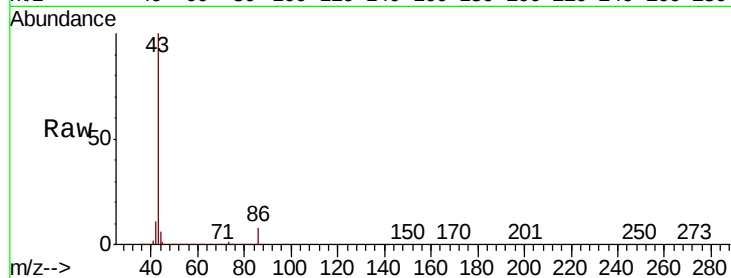
#23
 Vinyl Acetate
 Concen: 9.787 ppbv
 RT: 5.16 min Scan# 692
 Delta R.T. -0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Tot Ion	Ion	Ratio	Lower	Upper
43	43	100		
86	86	8.0	6.2	9.4
42	42	10.5	7.8	11.6
44	44	5.5	4.4	6.6

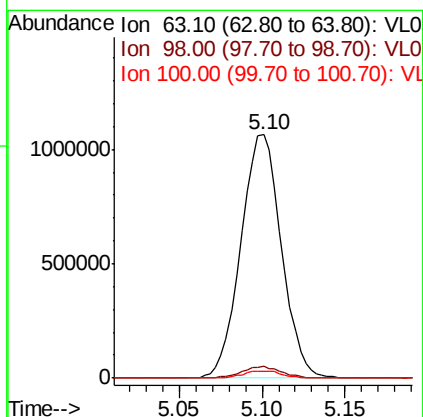
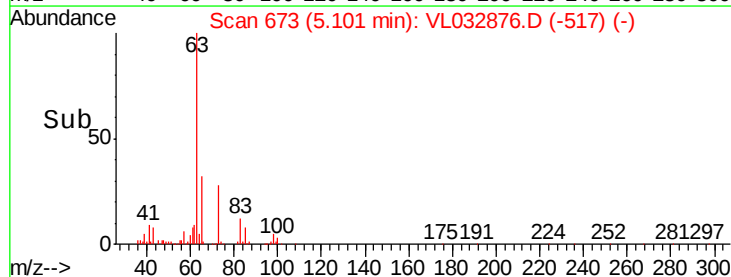
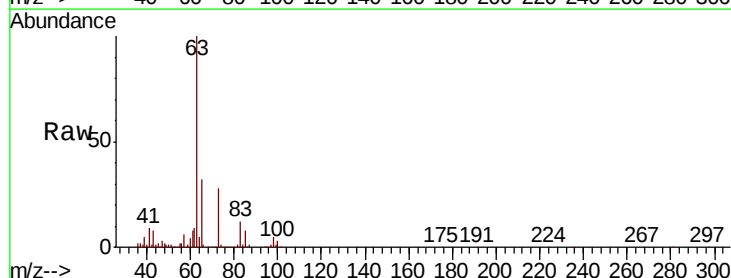
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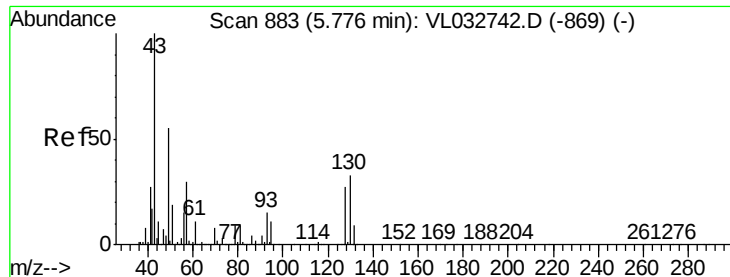
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#24
 1,1-Dichloroethane
 Concen: 10.027 ppbv
 RT: 5.10 min Scan# 673
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion	Ion	Ratio	Lower	Upper
63	63	100		
98	98	4.8	2.3	6.8
100	100	2.8	1.4	4.2





#25

Ethyl Acetate

Concen: 9.204 ppbv

RT: 5.78 min Scan# 883

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tot Ion: 43 Resp: 2658940

Ion Ratio Lower Upper

43 100

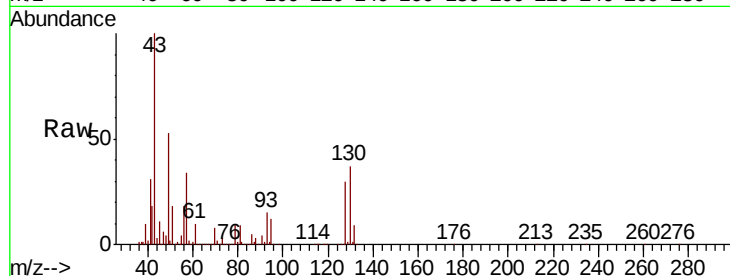
45 9.8 7.9 11.9

61 9.1 7.8 11.6

70 7.2 5.8 8.6

Manual Integrations
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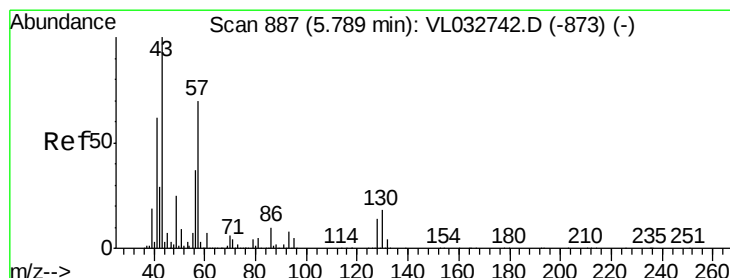
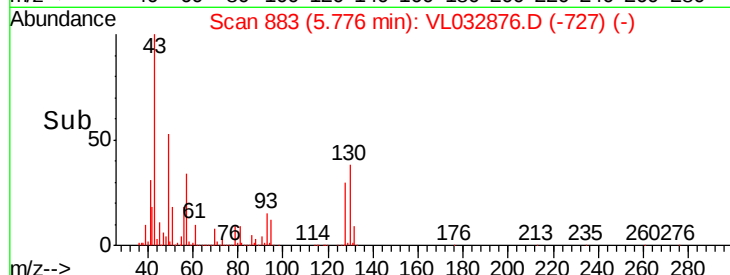
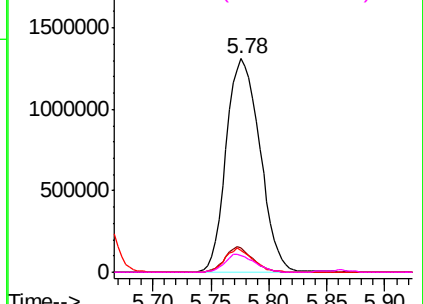
Abundance

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: 9.453 ppbv

RT: 5.79 min Scan# 887

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Tgt Ion: 57 Resp: 1215619

Ion Ratio Lower Upper

57 100

41 90.4 70.3 105.5

43 219.2 174.0 261.0

56 53.0 42.3 63.5

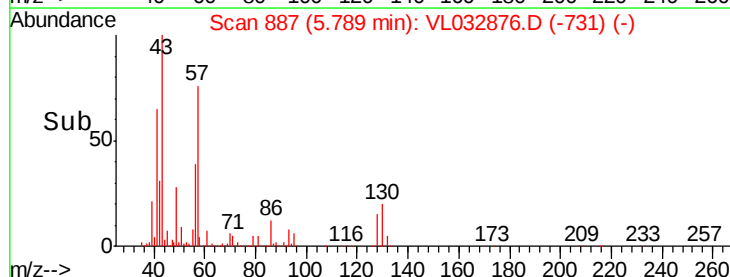
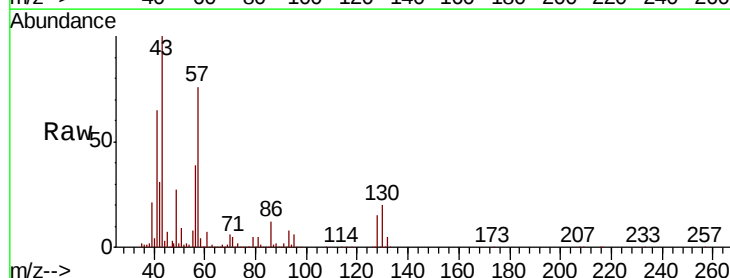
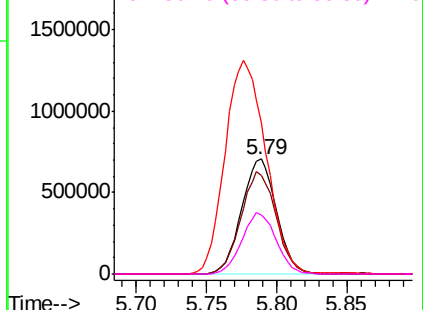
Abundance

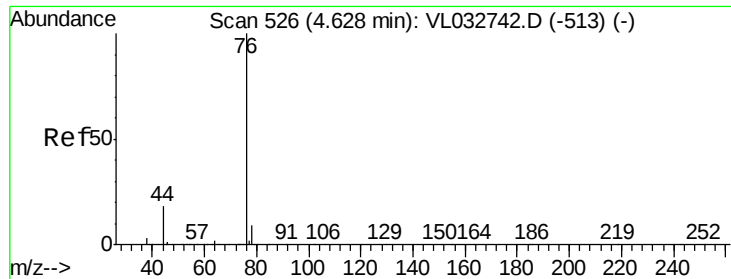
Ion 57.10 (56.80 to 57.80): VL0

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: 11.422 ppbv

RT: 4.63 min Scan# 526

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tot Ion: 76 Resp: 1862547

Ion Ratio Lower Upper

76 100

44 18.6 14.4 21.6

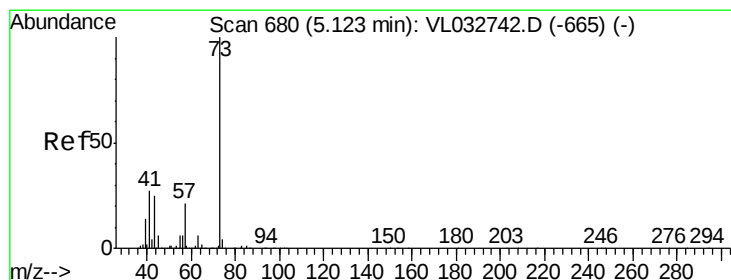
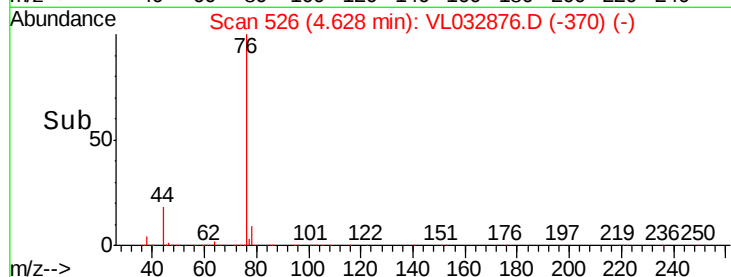
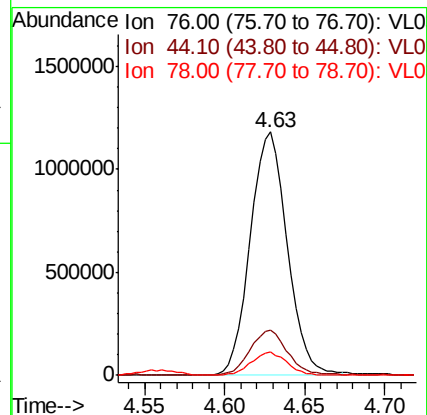
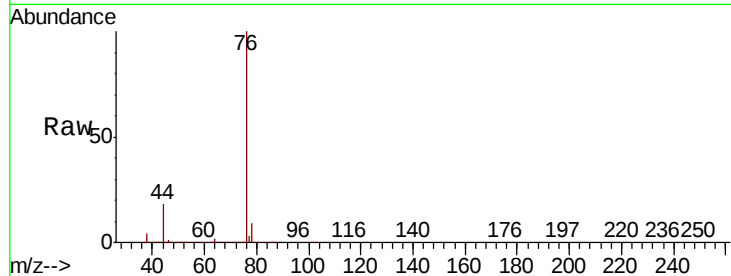
78 9.2 7.7 11.5

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#28

Methyl tert-Butyl Ether

Concen: 10.858 ppbv

RT: 5.12 min Scan# 679

Delta R.T. -0.00 min

Lab File: VL032876.D

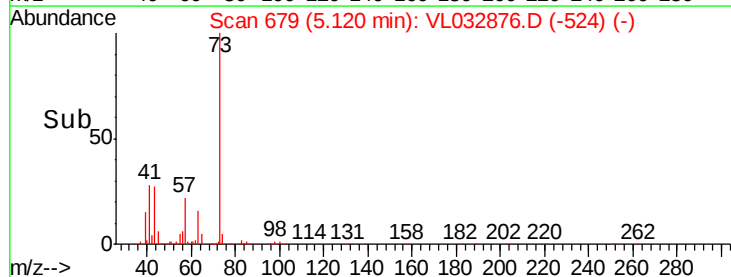
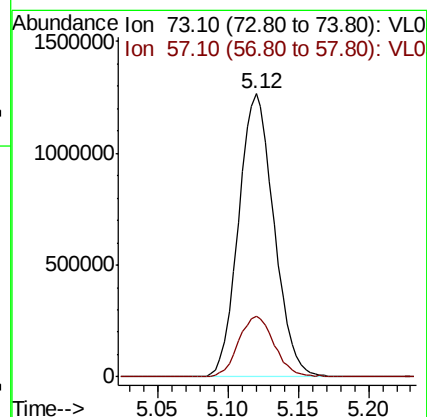
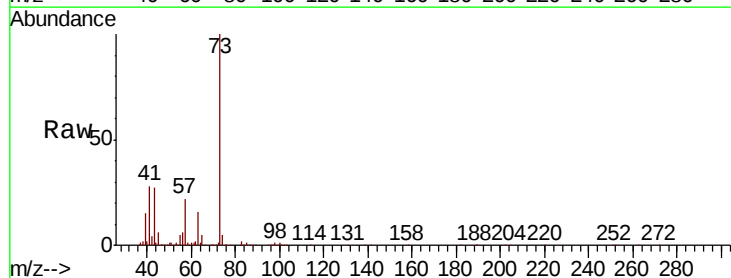
Acq: 4 Dec 2018 13:20

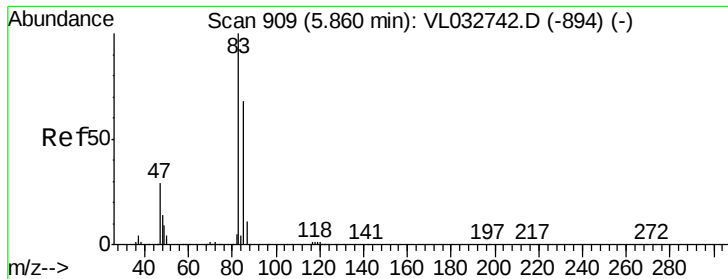
Tgt Ion: 73 Resp: 2226690

Ion Ratio Lower Upper

73 100

57 21.9 17.5 26.3





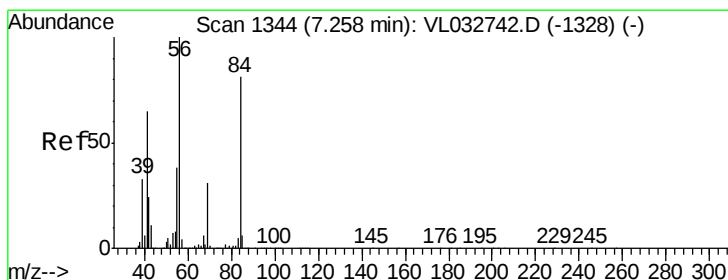
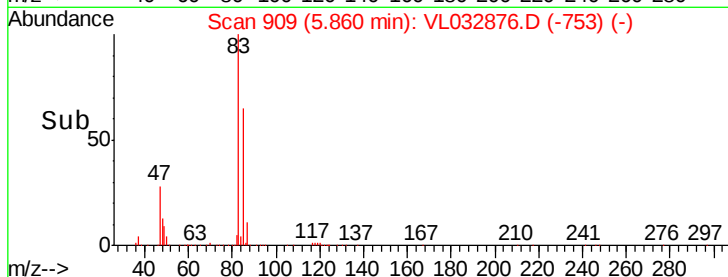
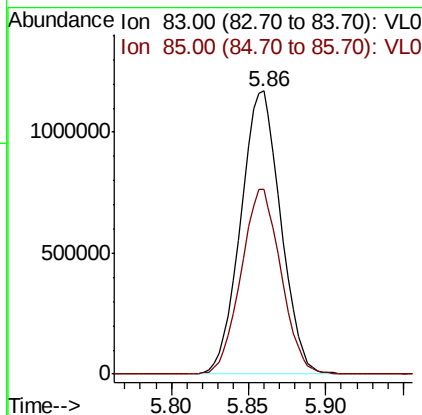
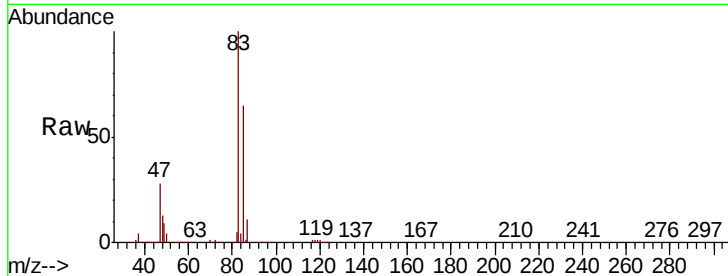
#29
Chloroform
Concen: 9.187 ppbv
RT: 5.86 min Scan# 909
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tot Ion: 83 Resp: 2105692
Ion Ratio Lower Upper
83 100
85 65.1 54.2 81.4

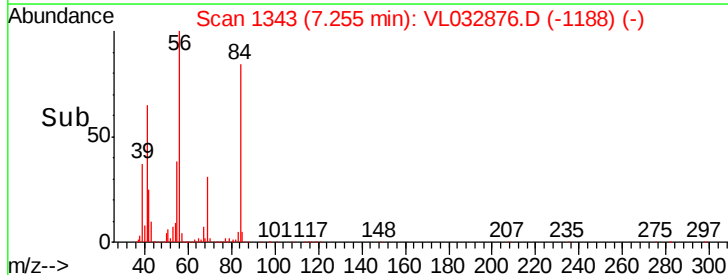
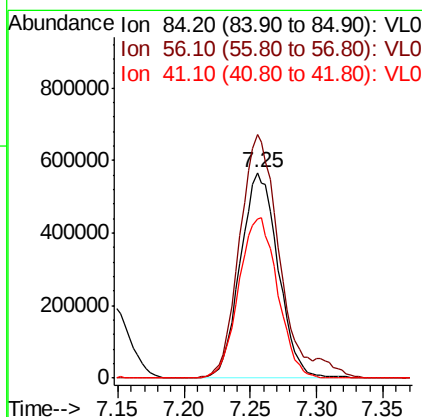
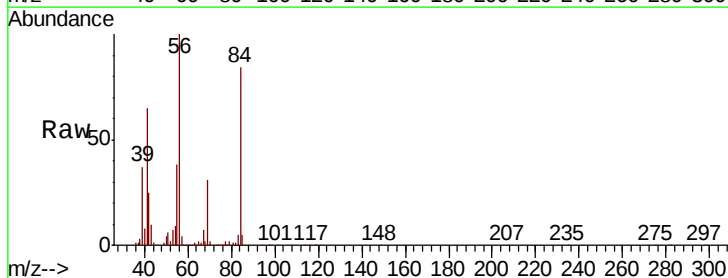
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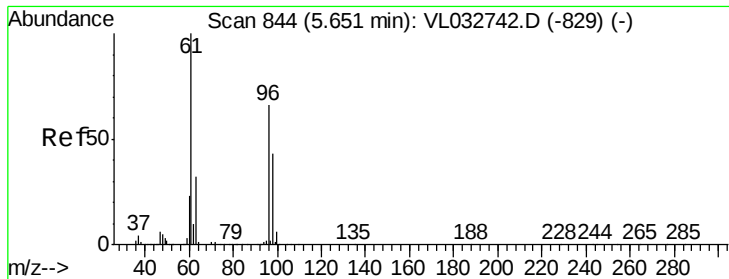
MMDadoda
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#30
Cyclohexane
Concen: 9.977 ppbv
RT: 7.25 min Scan# 1343
Delta R.T. -0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion: 84 Resp: 1122174
Ion Ratio Lower Upper
84 100
56 126.8 105.0 157.4
41 80.5 65.3 97.9





#31

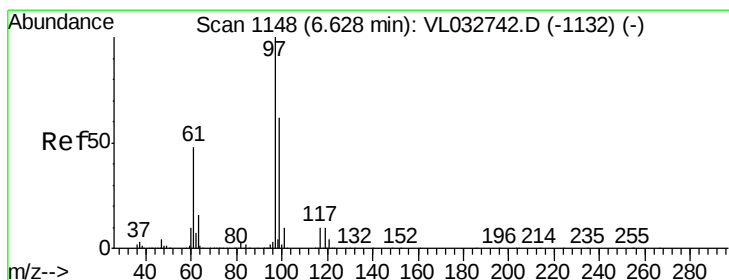
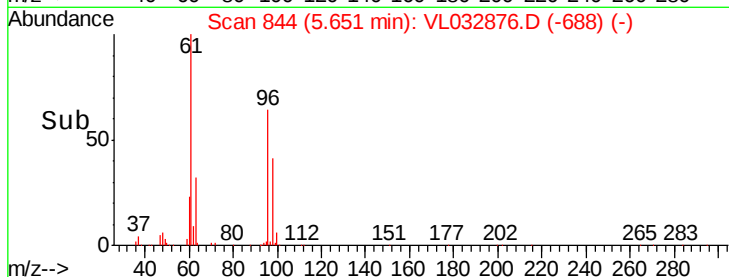
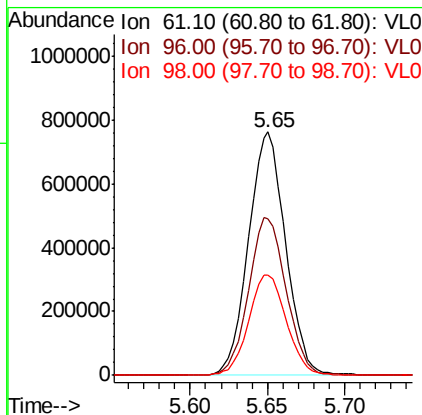
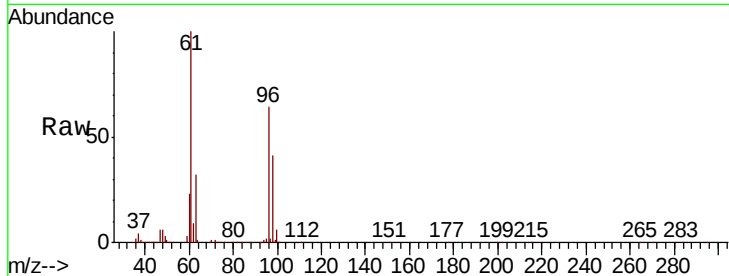
cis-1,2-Dichloroethene
Concen: 9.846 ppbv
RT: 5.65 min Scan# 844
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	64.3	53.2	79.8
98	41.3	34.4	51.6

Manual Integrations
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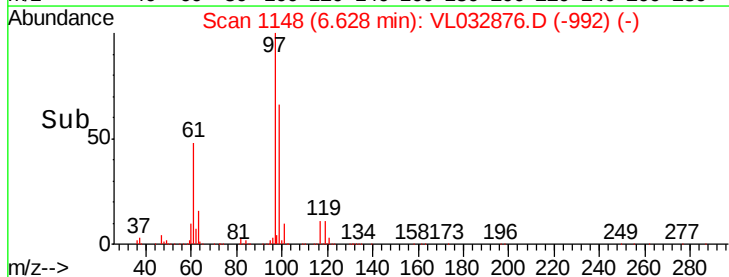
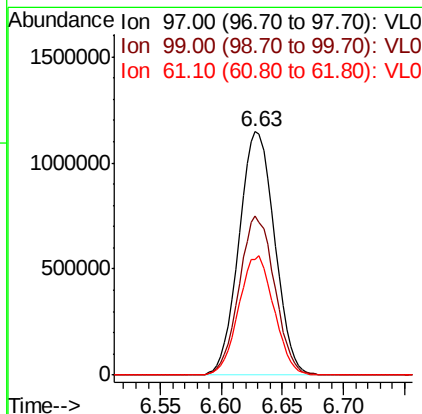
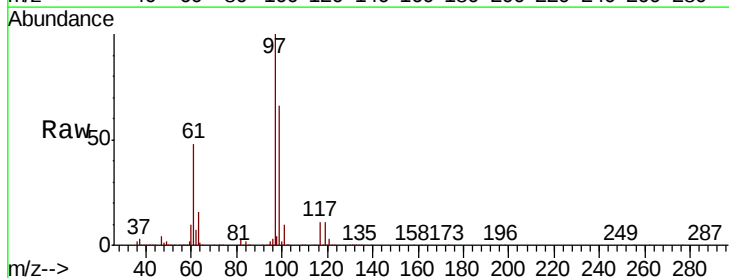
MMDadoda
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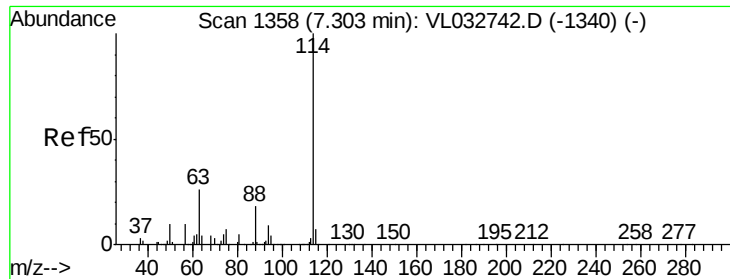


#32

1,1,1-Trichloroethane
Concen: 9.239 ppbv
RT: 6.63 min Scan# 1148
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.8	77.6
61	48.6	39.7	59.5





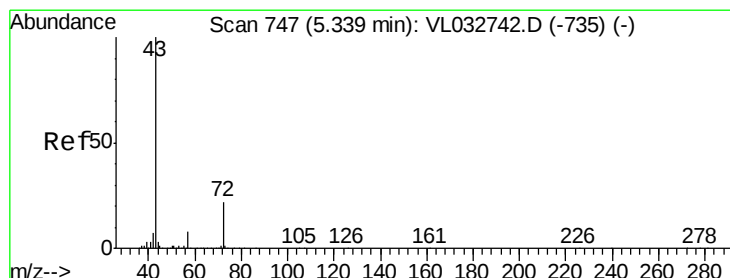
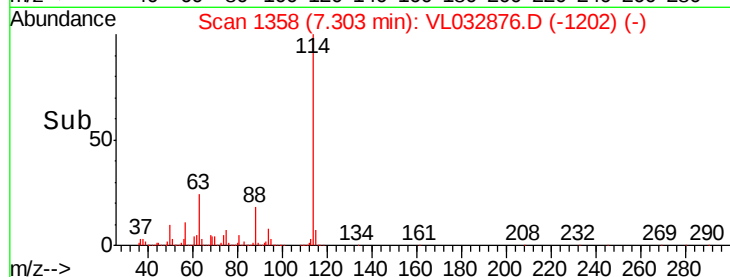
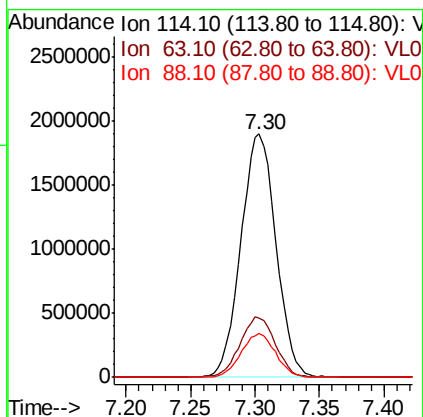
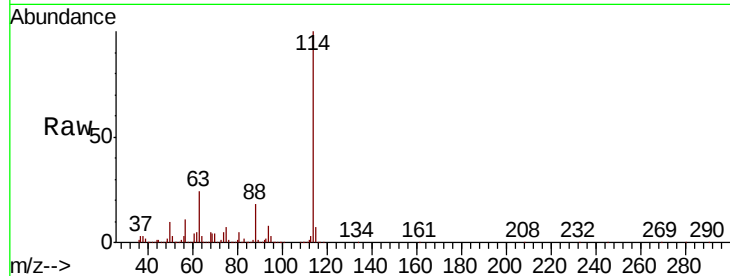
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.30 min Scan# 1358
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.3	20.9	31.3
88	17.7	14.4	21.6

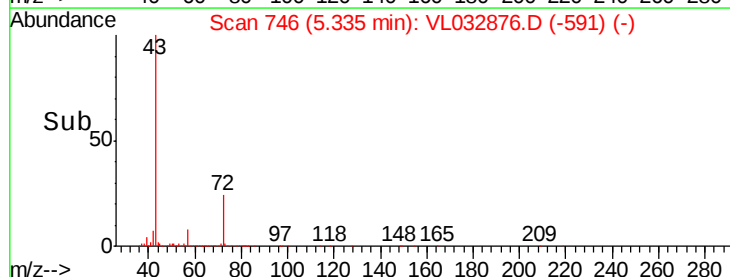
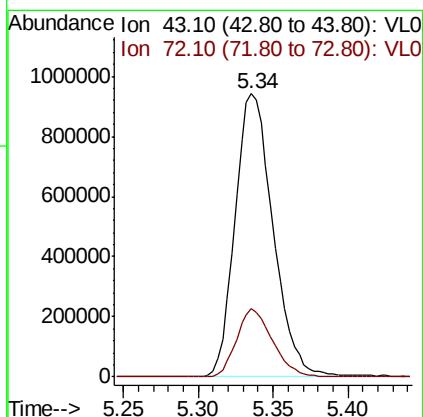
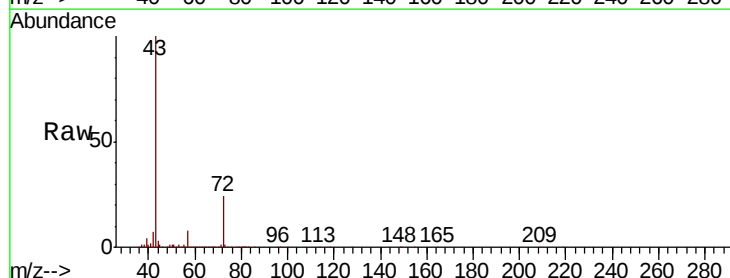
Manual Integrations
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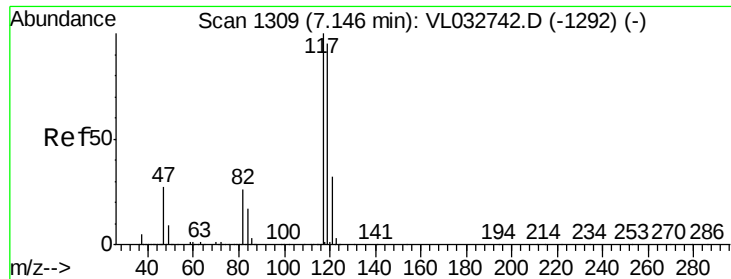
MMDadoda
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#34
 2-Butanone
 Concen: 8.866 ppbv
 RT: 5.34 min Scan# 746
 Delta R.T. -0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.1	18.4	27.6





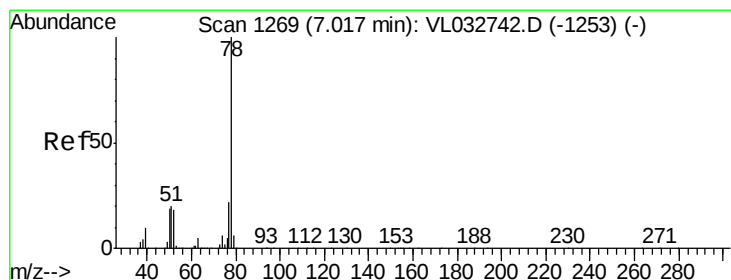
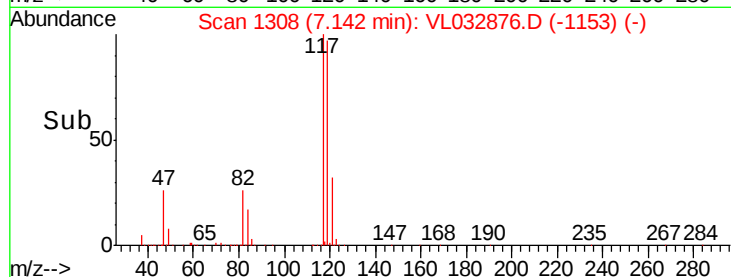
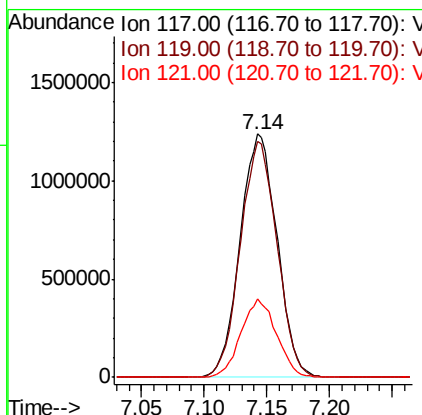
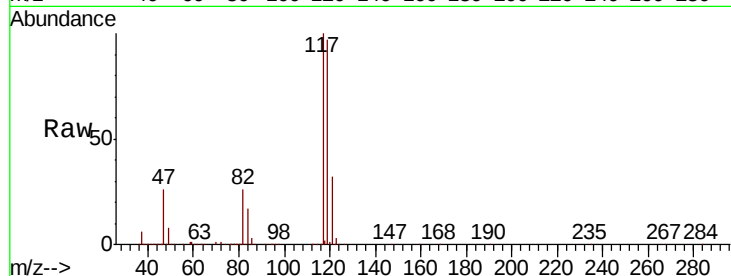
#35
Carbon Tetrachloride
Concen: 8.755 ppbv
RT: 7.14 min Scan# 1308
Delta R.T. -0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tot Ion: 117 Resp: 2536409
Ion Ratio Lower Upper
117 100
119 96.9 76.1 114.1
121 32.1 25.4 38.0

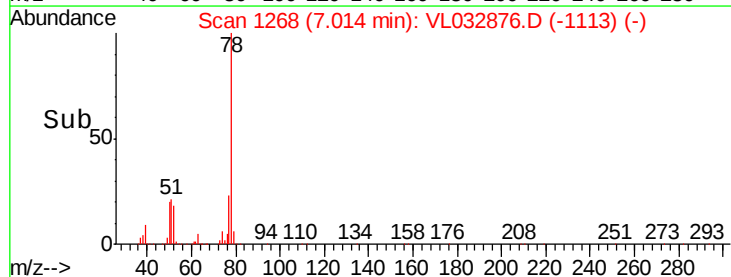
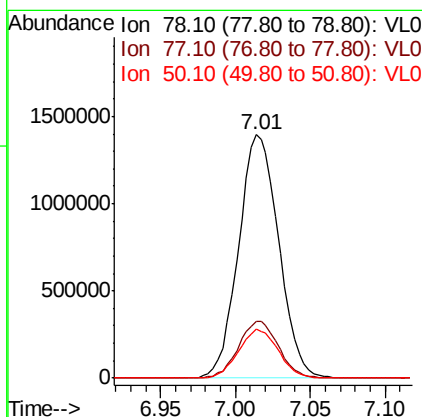
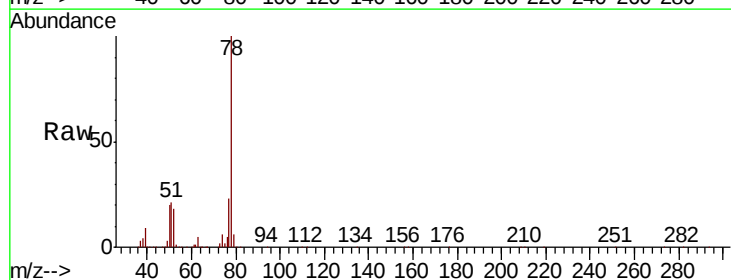
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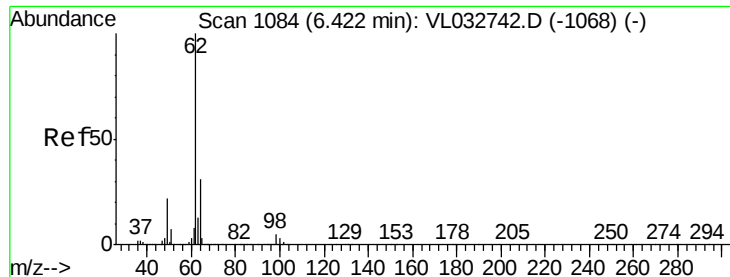
MMDadoda
12/10/2018 12:59:41 PM



#36
Benzene
Concen: 9.059 ppbv
RT: 7.01 min Scan# 1268
Delta R.T. -0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion: 78 Resp: 2599687
Ion Ratio Lower Upper
78 100
77 23.2 17.8 26.8
50 20.2 15.4 23.0





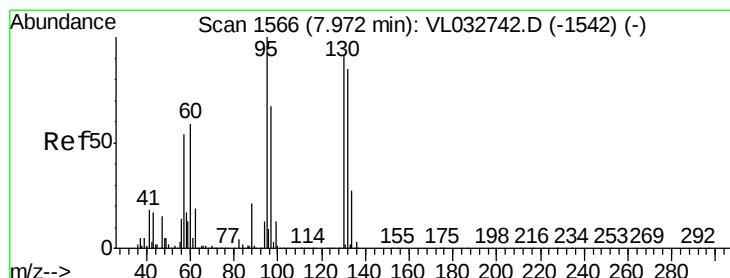
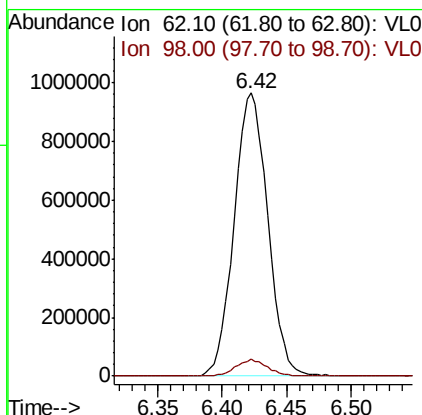
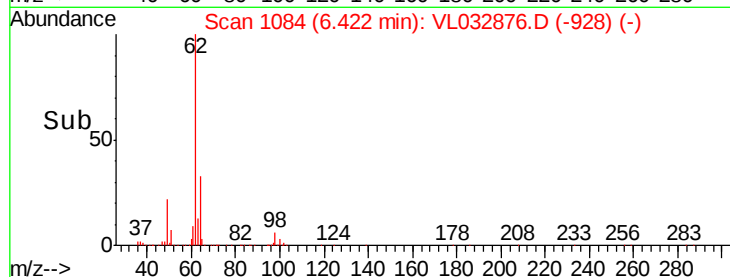
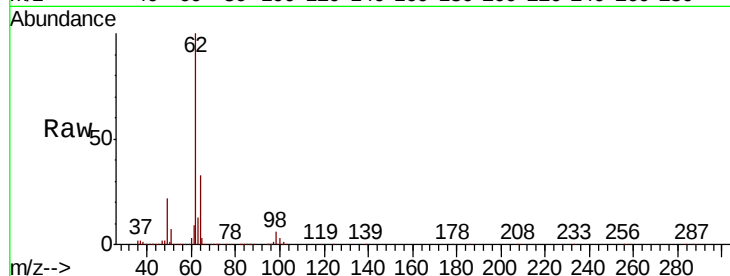
#37
 1,2-Dichloroethane
 Concen: 9.059 ppbv
 RT: 6.42 min Scan# 1084
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Tot Ion: 62 Resp: 1750083
 Ion Ratio Lower Upper
 62 100
 98 5.6 4.5 6.7

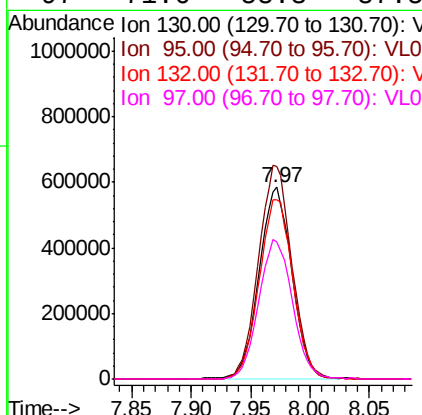
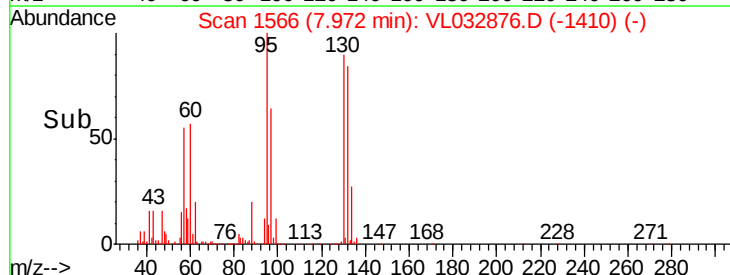
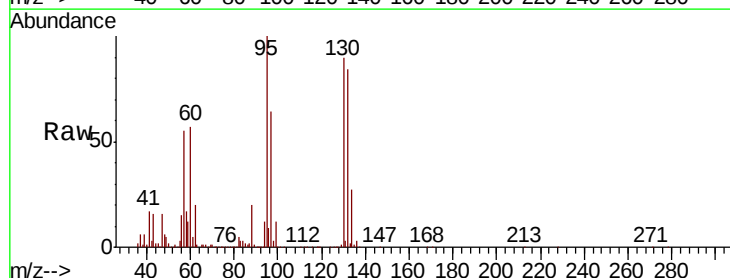
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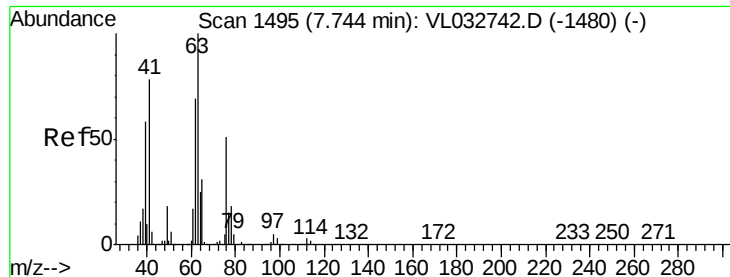
MMDadoda
 12/10/2018 12:59:41 PM



#38
 Trichloroethene
 Concen: 9.609 ppbv
 RT: 7.97 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion:130 Resp: 1115986
 Ion Ratio Lower Upper
 130 100
 95 111.2 87.7 131.5
 132 93.4 74.6 111.8
 97 71.6 58.3 87.5





#39

1,2-Dichloropropane

Concen: 8.907 ppbv

RT: 7.75 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

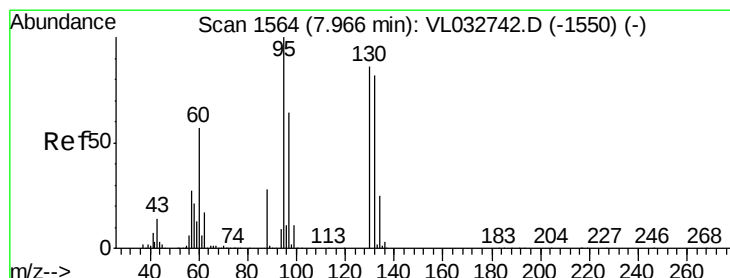
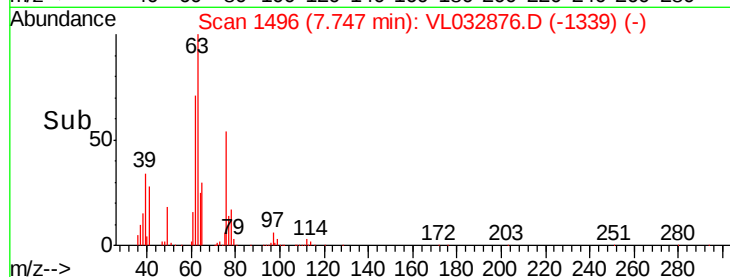
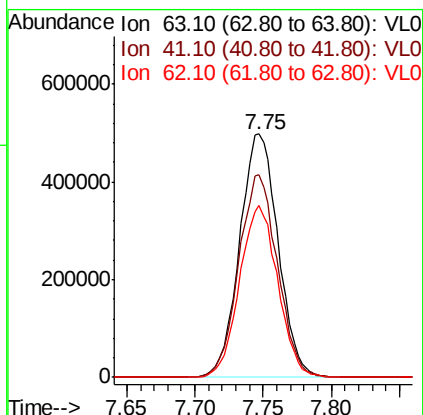
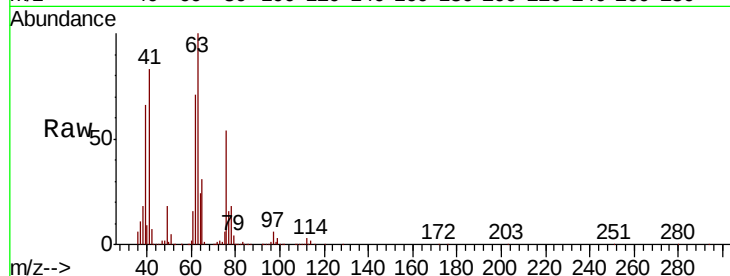
ClientSampleId :

VL1204ABS01

Tot Ion:	63	Resp:	973964
Ion Ratio	Lower	Upper	
63	100		
41	83.1	62.0	93.0
62	70.5	55.4	83.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 8.909 ppbv

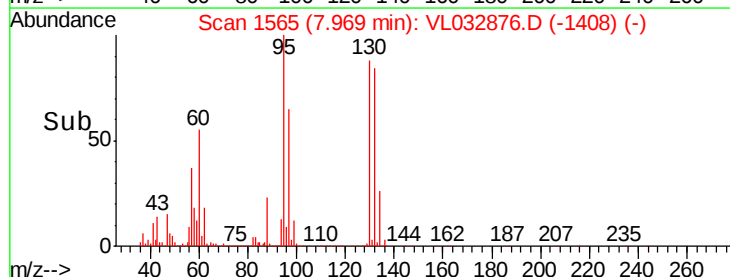
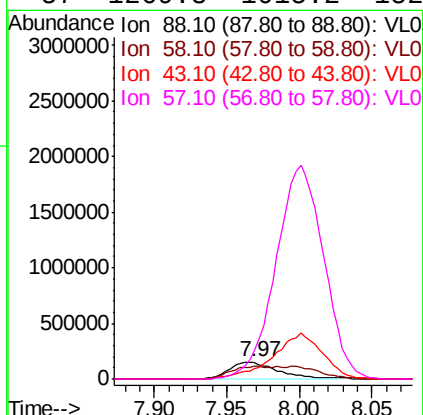
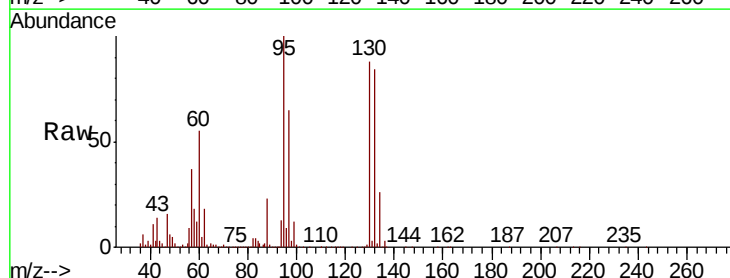
RT: 7.97 min Scan# 1565

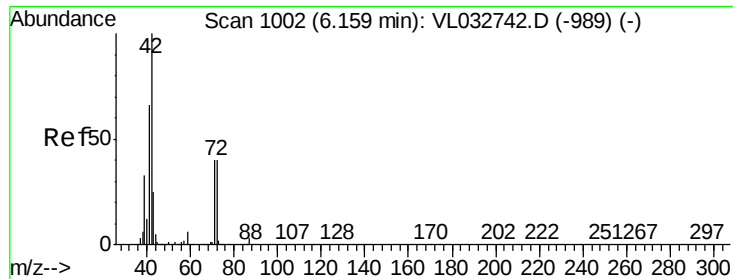
Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Tgt Ion:	88	Resp:	347932
Ion Ratio	Lower	Upper	
88	100		
58	130.4	105.3	157.9
43	283.3	226.1	339.1
57	1269.8	1015.2	1522.8





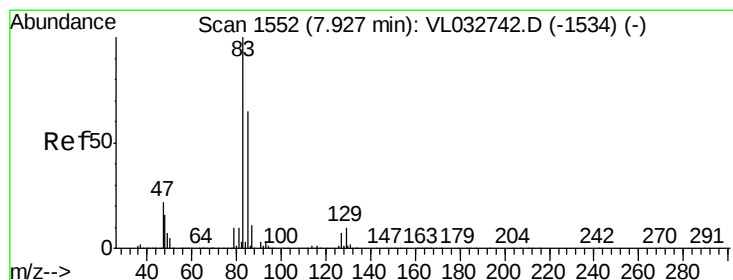
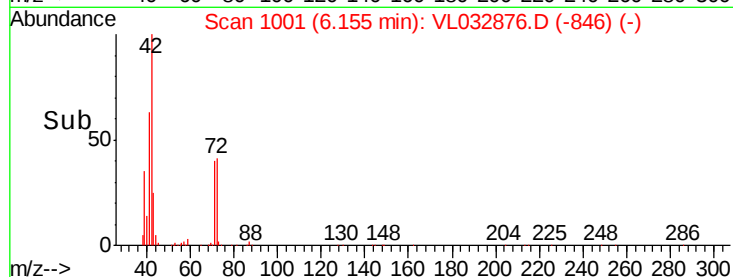
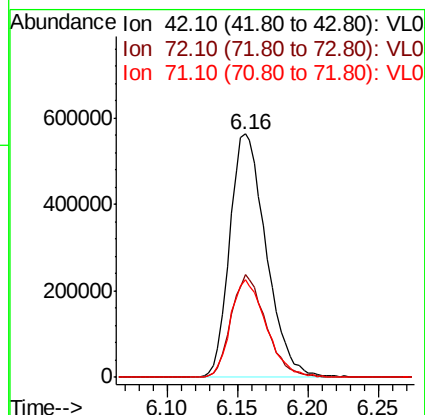
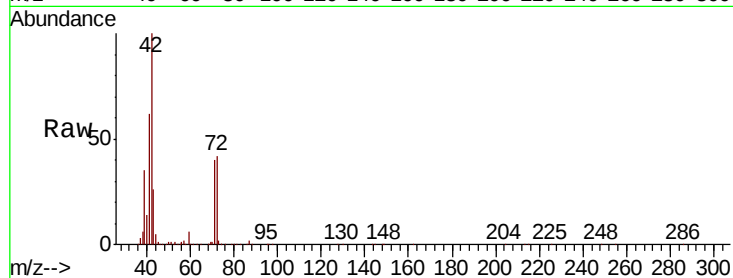
#41
Tetrahydrofuran
Concen: 9.514 ppbv
RT: 6.16 min Scan# 1001
Delta R.T. -0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	40.3	32.4	48.6
71	39.4	31.6	47.4

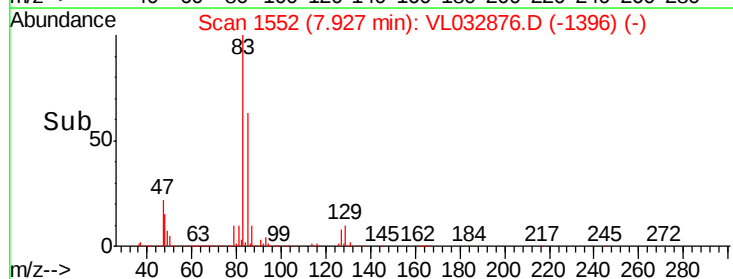
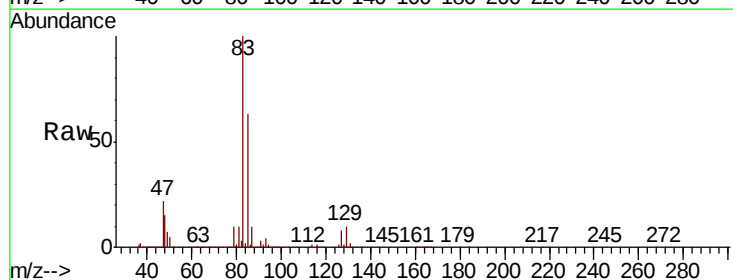
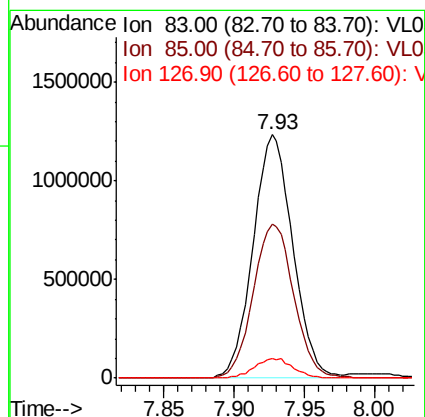
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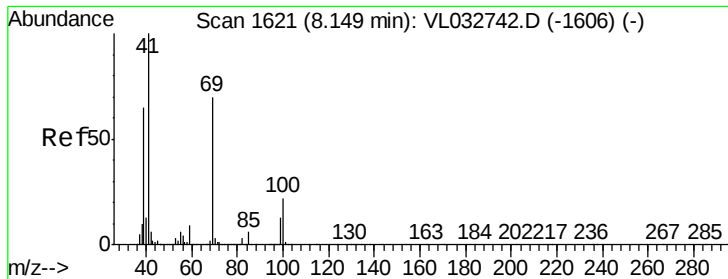
MMDadoda
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#42
Bromodichloromethane
Concen: 9.273 ppbv
RT: 7.93 min Scan# 1552
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.0	51.8	77.8
127	7.8	5.9	8.9





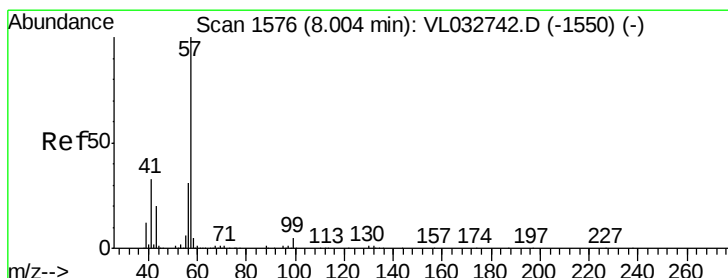
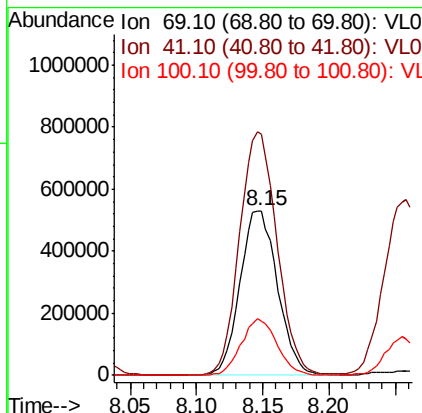
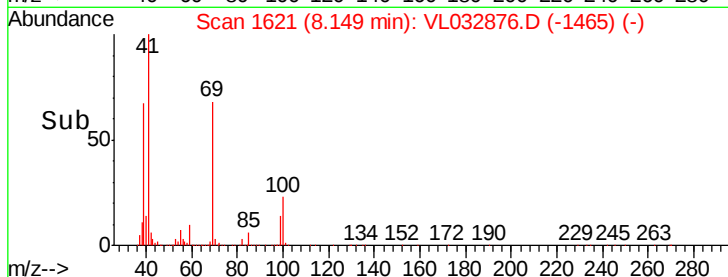
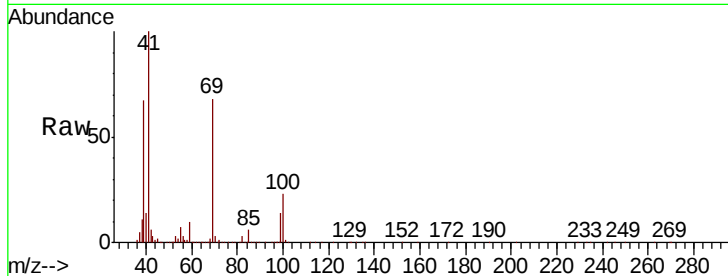
#43
Methvl Methacrvlate
Concen: 9.759 ppbv
RT: 8.15 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tot Ion: 69 Resp: 1045535
Ion Ratio Lower Upper
69 100
41 147.2 115.0 172.4
100 32.7 25.4 38.0

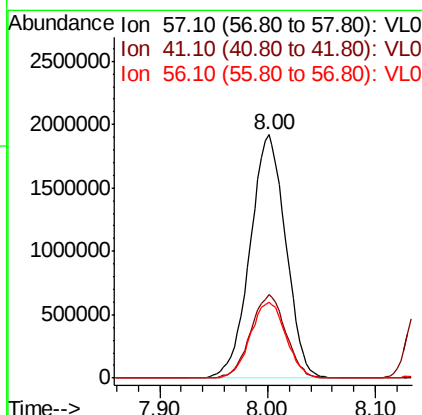
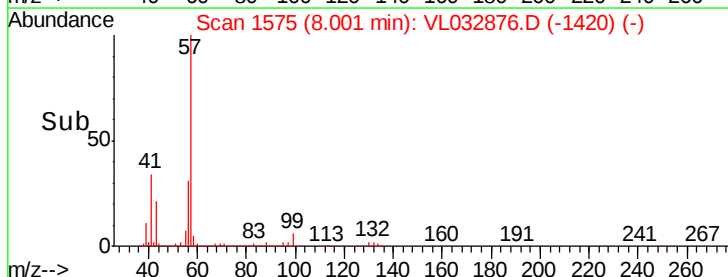
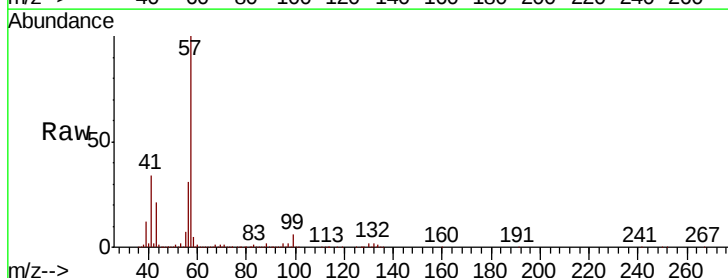
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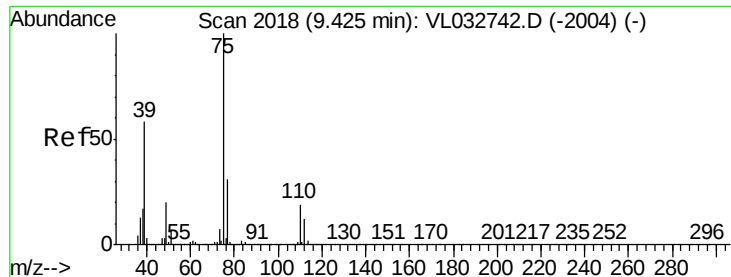
MMDadoda
12/10/2018 12:59:41 PM



#44
2,2,4-Trimethylpentane
Concen: 9.199 ppbv
RT: 8.00 min Scan# 1575
Delta R.T. -0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion: 57 Resp: 4411731
Ion Ratio Lower Upper
57 100
41 33.9 26.6 39.8
56 31.1 24.8 37.2





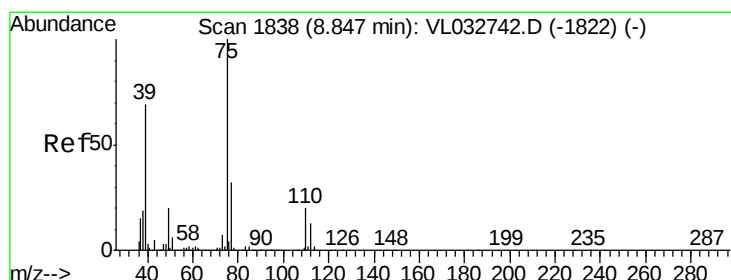
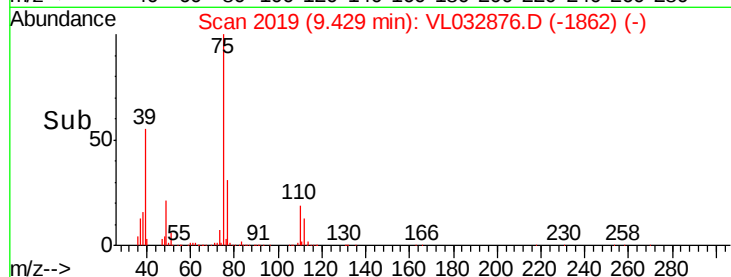
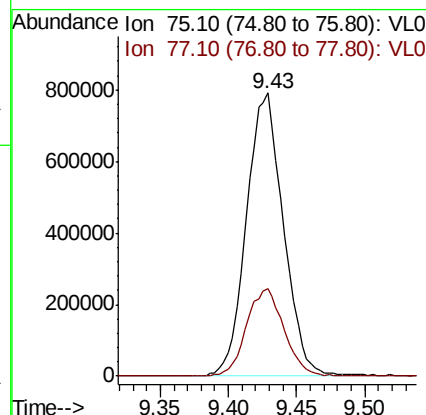
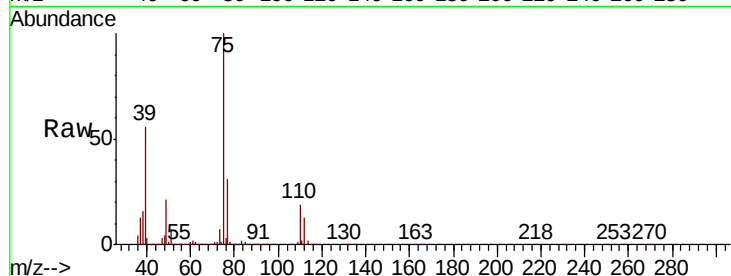
#45
t-1,3-Dichloropropene
Concen: 10.310 ppbv
RT: 9.43 min Scan# 2019
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tot Ion: 75 Resp: 1482255
Ion Ratio Lower Upper
75 100
77 30.9 24.6 36.8

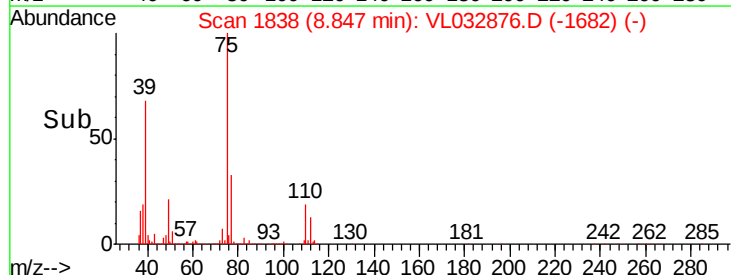
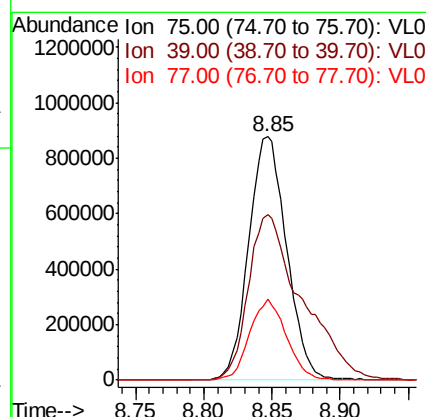
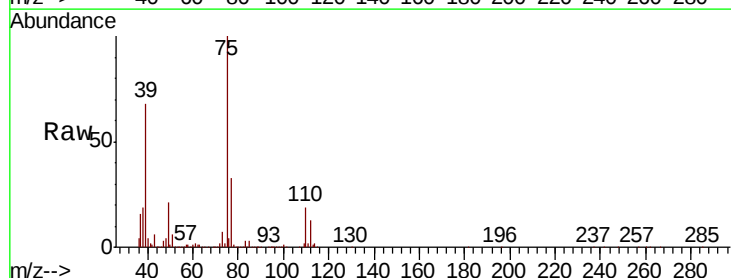
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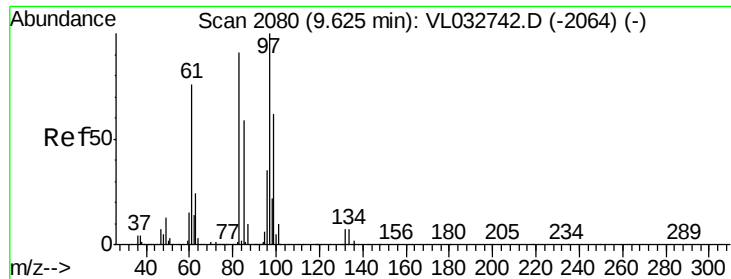
MMDadoda
12/10/2018 12:59:41 PM



#46
cis-1,3-Dichloropropene
Concen: 9.747 ppbv
RT: 8.85 min Scan# 1838
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion: 75 Resp: 1693028
Ion Ratio Lower Upper
75 100
39 68.0 55.2 82.8
77 33.3 25.8 38.6





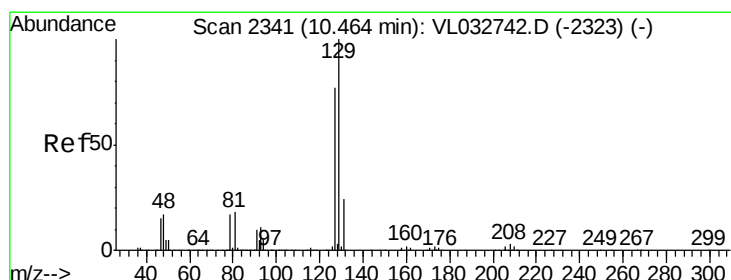
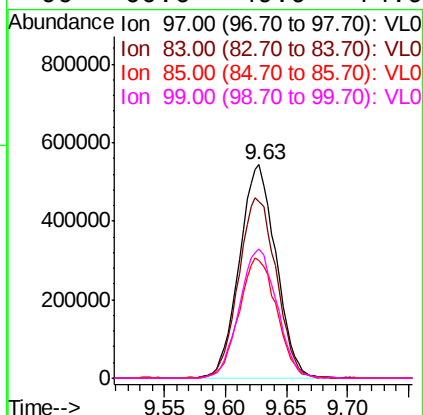
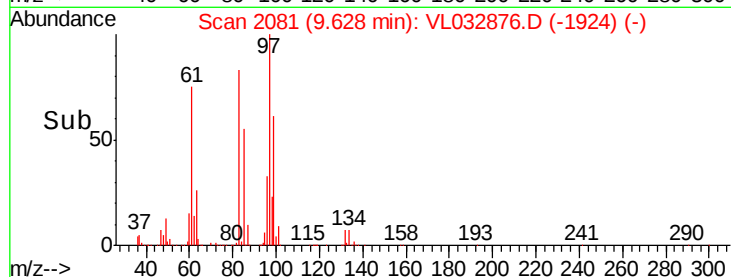
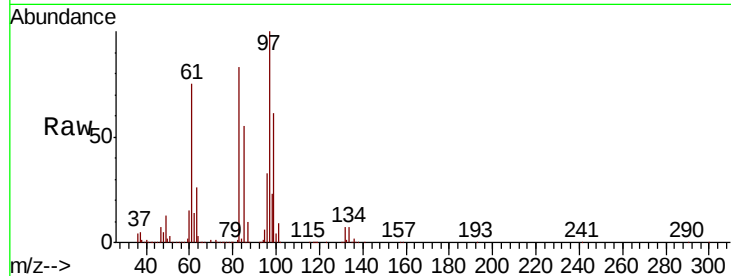
#47
 1,1,2-Trichloroethane
 Concen: 8.732 ppbv
 RT: 9.63 min Scan# 2081
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Tot Ion	Ion	Ratio	Lower	Upper
97	100			
83	82.6	73.0	109.4	
85	54.7	47.0	70.4	
99	60.6	49.9	74.9	

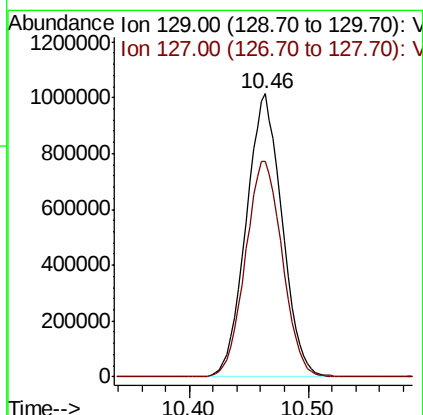
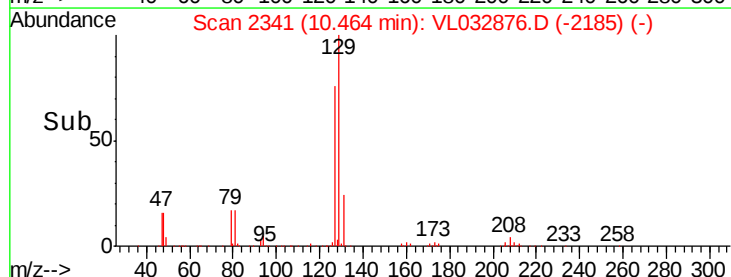
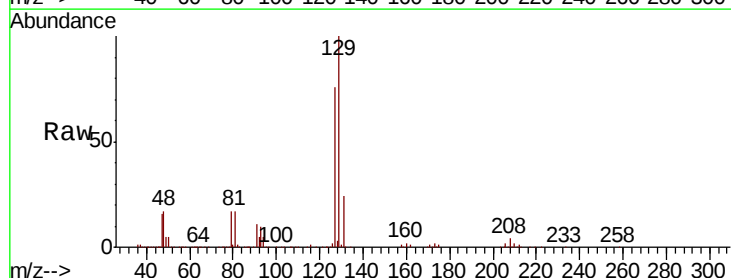
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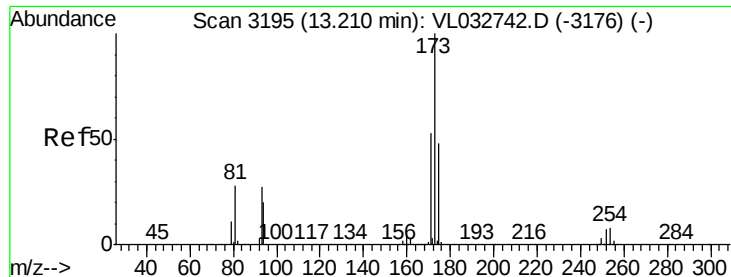
MMDadoda
 12/10/2018 12:59:41 PM



#48
 Dibromochloromethane
 Concen: 9.615 ppbv
 RT: 10.46 min Scan# 2341
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion	Ion	Ratio	Lower	Upper
129	100			
127	78.6	39.0	117.0	





#49

Bromoform

Concen: 10.315 ppbv

RT: 13.21 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tot Ion:173 Resp: 1872097

Ion Ratio Lower Upper

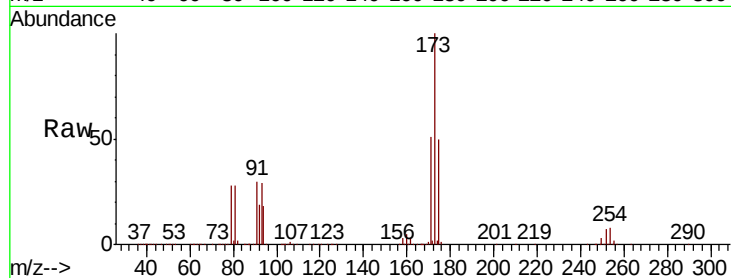
173 100

175 49.2 39.4 59.0

171 52.0 42.0 63.0

Manual Integrations
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MMDadoda
12/10/2018 12:59:41 PM

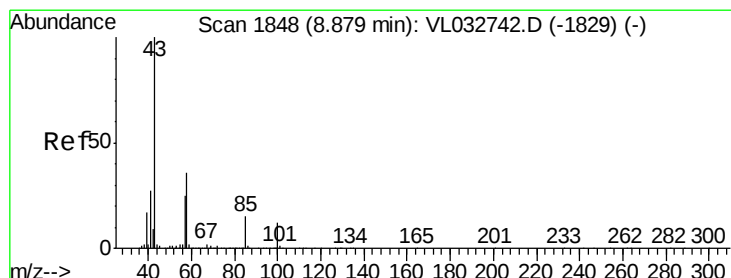
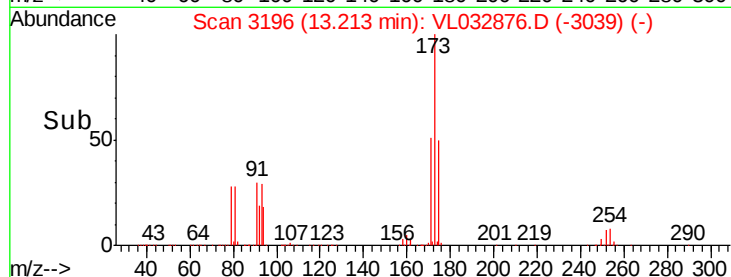
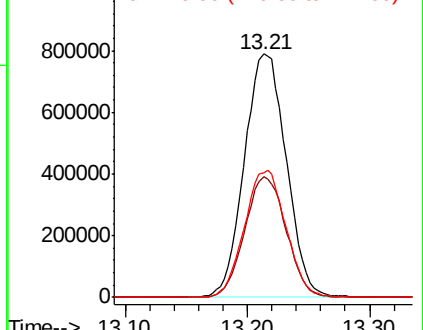


Abundance

Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.257 ppbv

RT: 8.88 min Scan# 1848

Delta R.T. 0.00 min

Lab File: VL032876.D

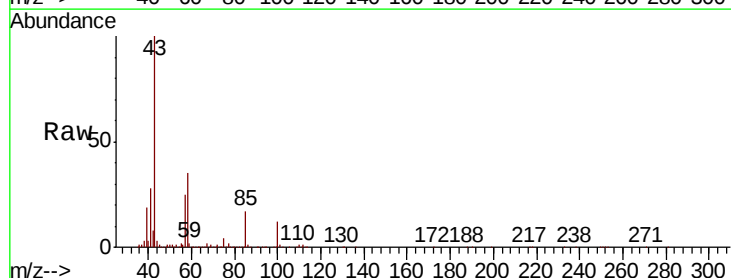
Acq: 4 Dec 2018 13:20

Tgt Ion: 43 Resp: 2702532

Ion Ratio Lower Upper

43 100

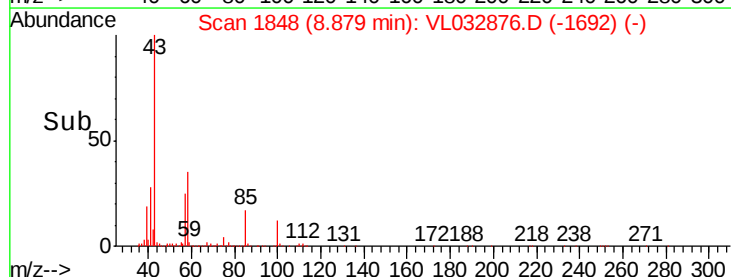
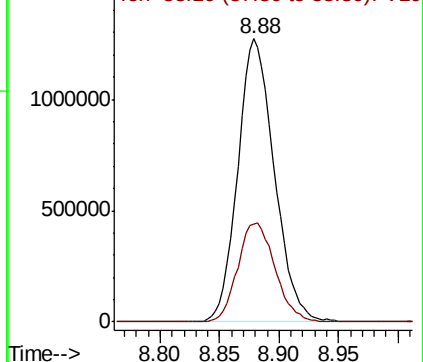
58 35.9 28.8 43.2

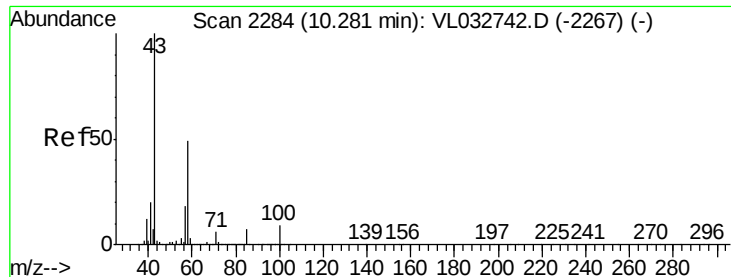


Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





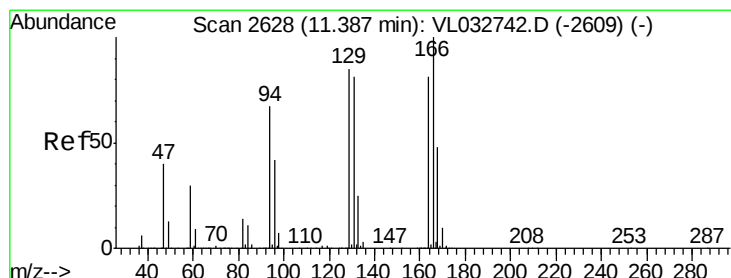
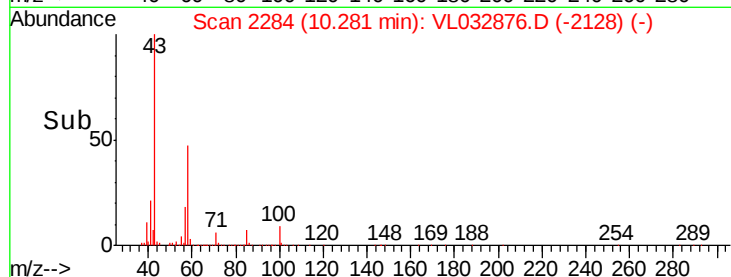
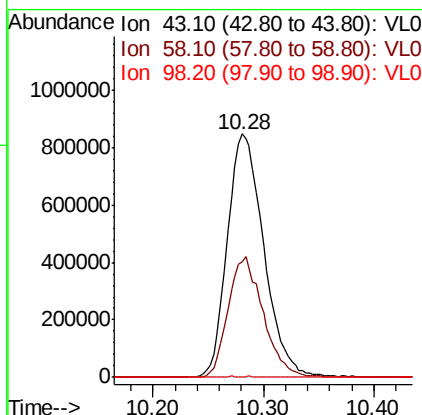
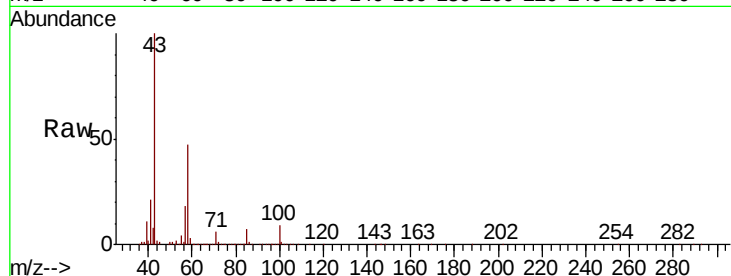
#51
2-Hexanone
Concen: 10.308 ppbv
RT: 10.28 min Scan# 2284
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	48.0	38.9	58.3
98	0.5	0.2	0.4#

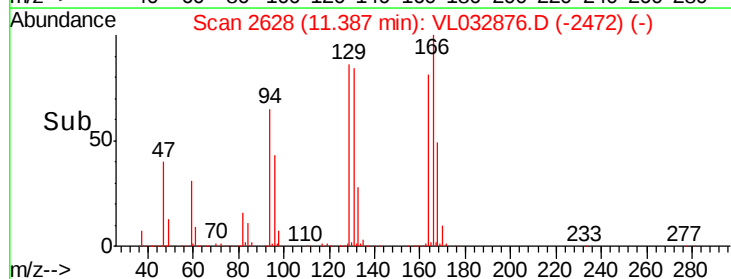
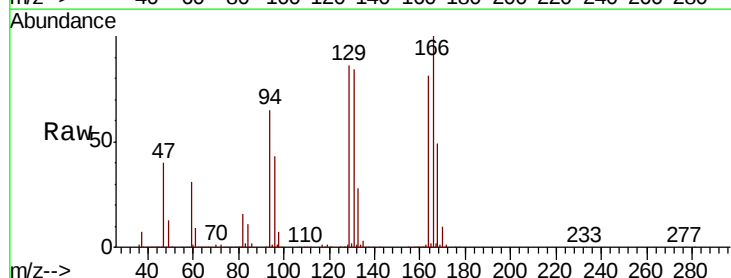
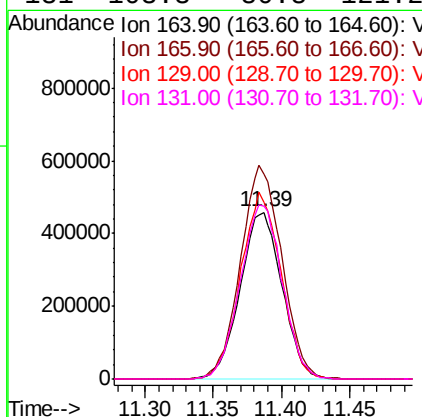
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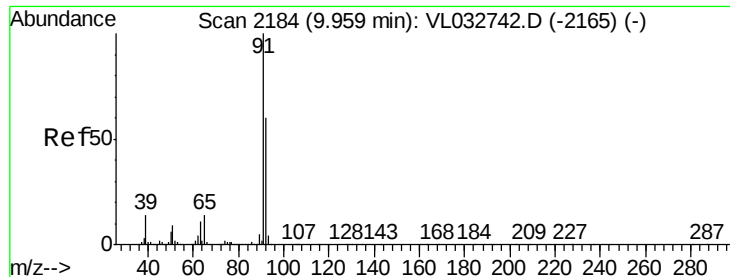
MMDadoda
12/10/2018 12:59:41 PM



#52
Tetrachloroethene
Concen: 9.755 ppbv
RT: 11.39 min Scan# 2628
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
164	100		
166	122.7	99.3	148.9
129	105.8	83.9	125.9
131	103.3	80.8	121.2





#53

Toluene

Concen: 11.149 ppbv

RT: 9.96 min Scan# 2184

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tot Ion: 91 Resp: 3337879

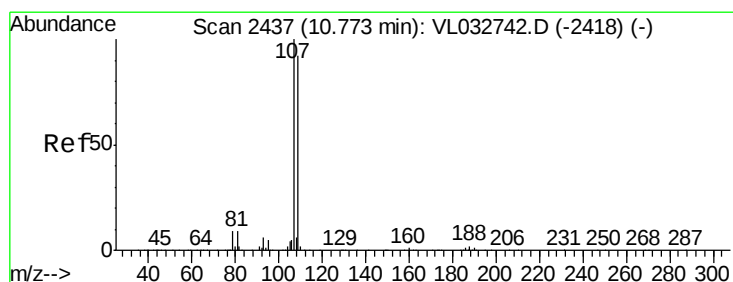
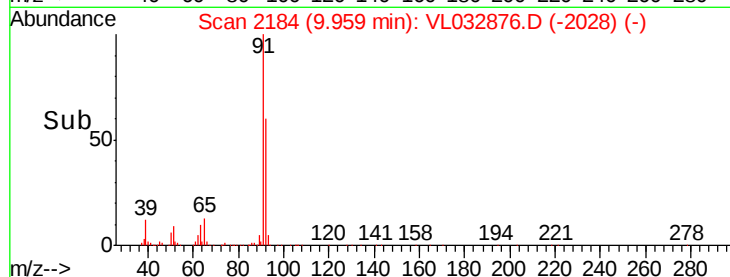
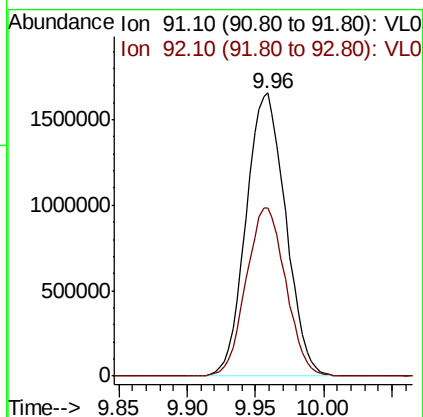
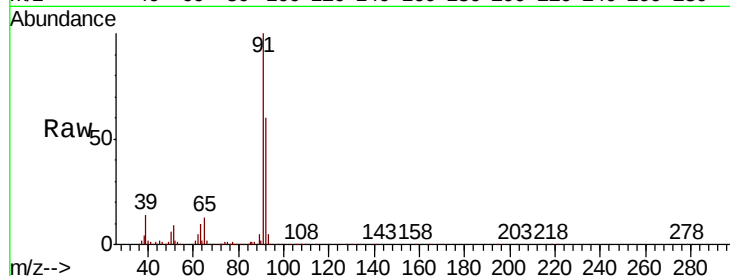
Ion Ratio Lower Upper

91 100

92 59.7 47.9 71.9

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12/10/2018 12:59:41 PM



#54

1,2-Dibromoethane

Concen: 9.720 ppbv

RT: 10.77 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VL032876.D

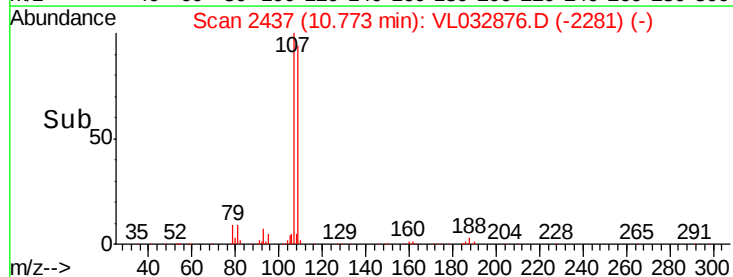
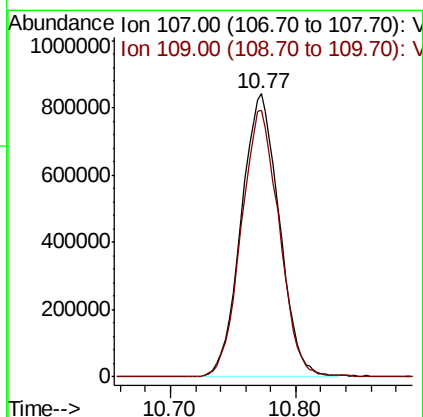
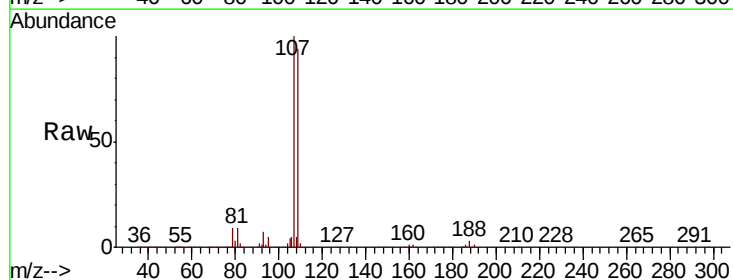
Acq: 4 Dec 2018 13:20

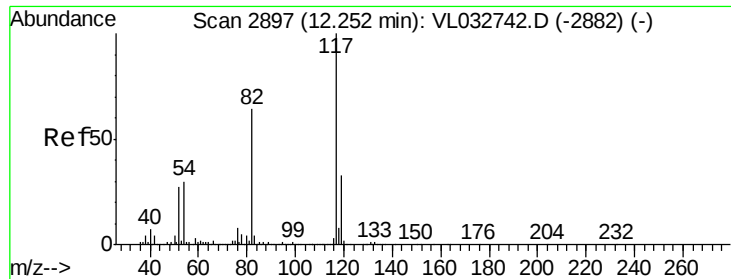
Tgt Ion: 107 Resp: 1776571

Ion Ratio Lower Upper

107 100

109 94.3 73.8 110.8





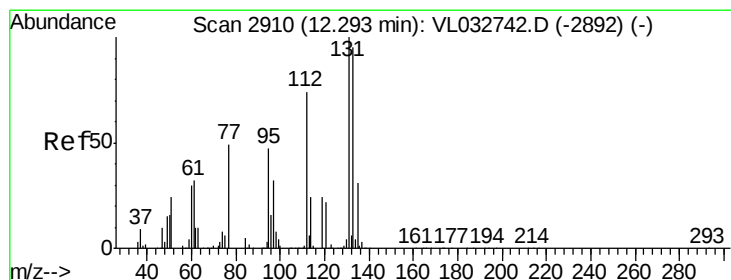
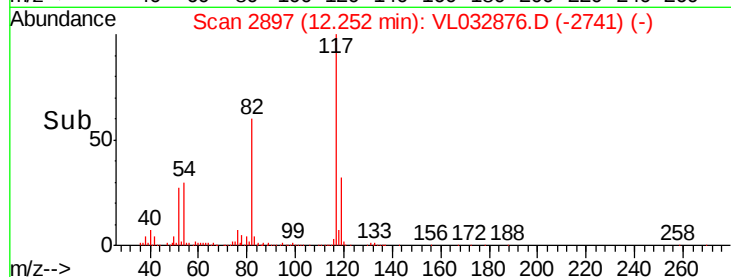
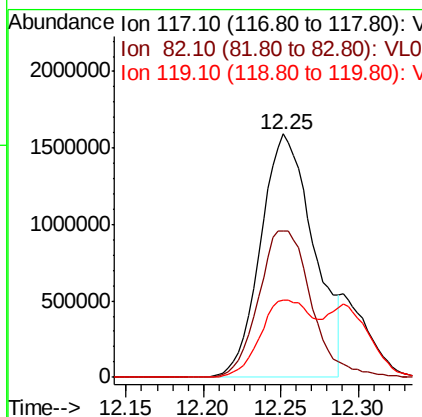
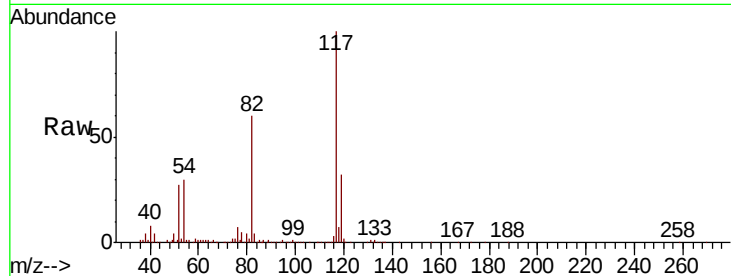
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2897
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	60.0	51.0	76.6
119	30.8	28.0	42.0

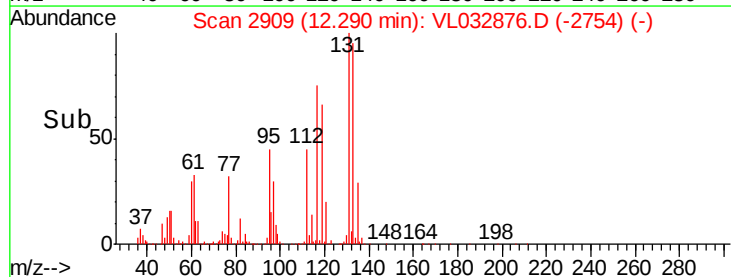
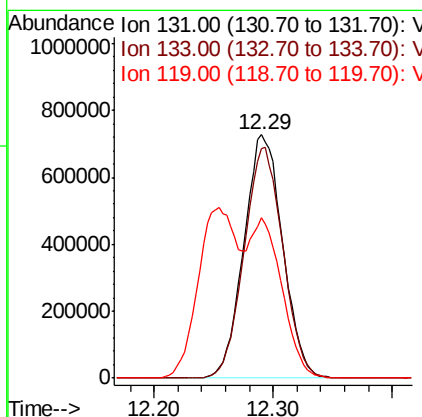
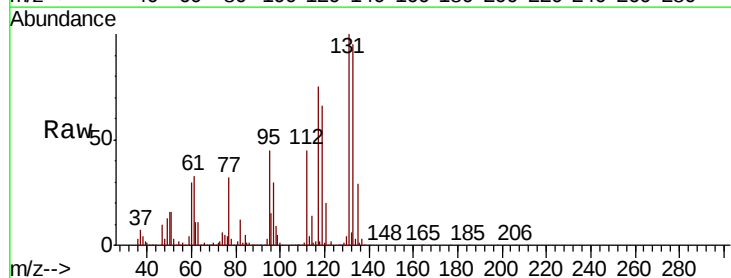
Manual Integrations
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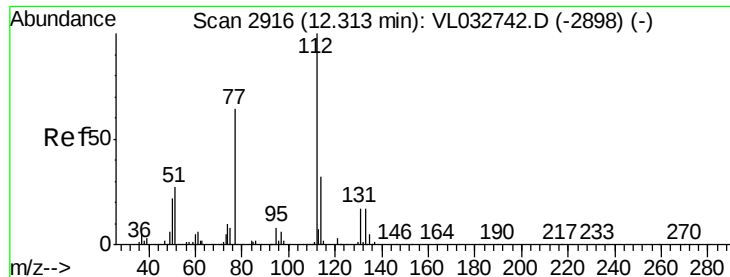
MMDadoda
12/10/2018 12:59:41 PM



#56
1,1,1,2-Tetrachloroethane
Concen: 9.243 ppbv
RT: 12.29 min Scan# 2909
Delta R.T. -0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.9	75.8	113.6
119	53.0	45.2	67.8





#57

Chlorobenzene

Concen: 8.981 ppbv

RT: 12.32 min Scan# 2917

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tot Ion:112 Resp: 2618245

Ion Ratio Lower Upper

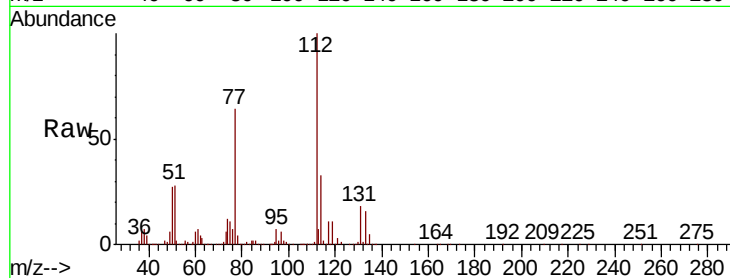
112 100

77 63.7 52.3 78.5

114 32.5 28.4 34.8

Manual Integrations
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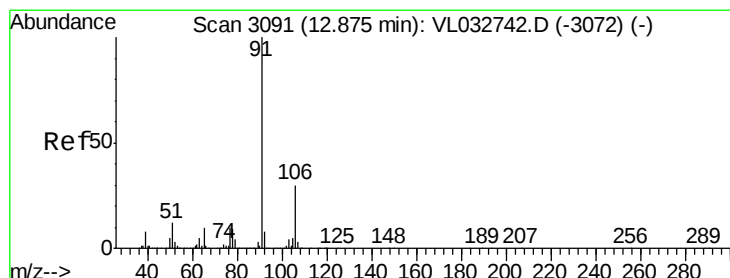
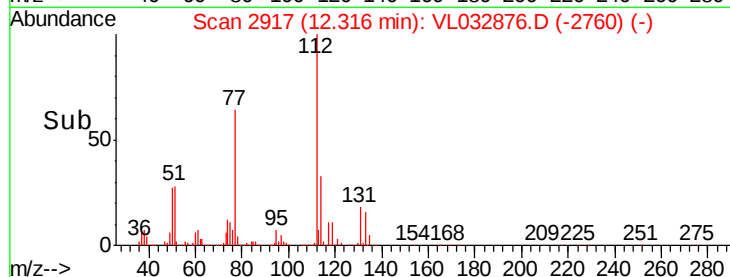
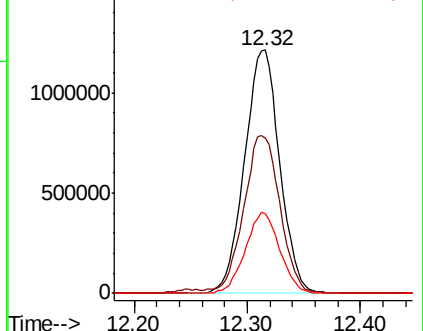
MMDadoda
12/10/2018 12:59:41 PM



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: 9.329 ppbv

RT: 12.88 min Scan# 3091

Delta R.T. 0.00 min

Lab File: VL032876.D

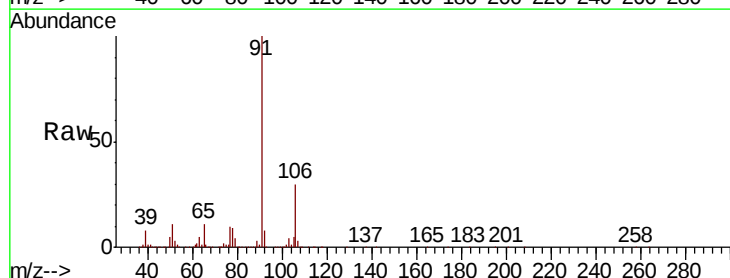
Acq: 4 Dec 2018 13:20

Tgt Ion: 91 Resp: 4275842

Ion Ratio Lower Upper

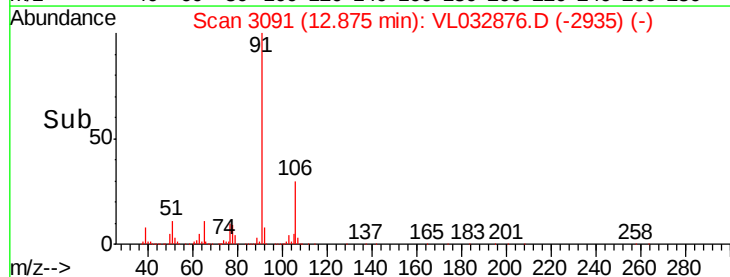
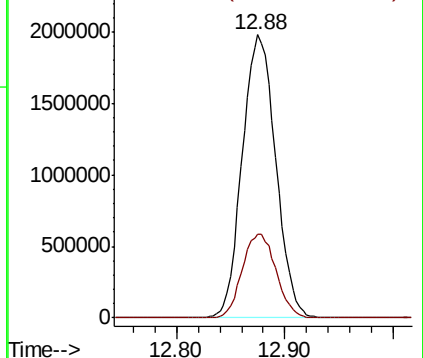
91 100

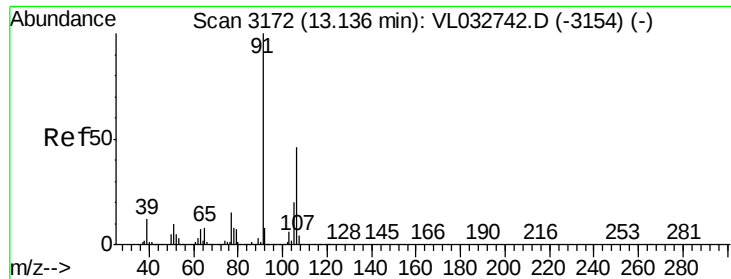
106 29.6 23.6 35.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





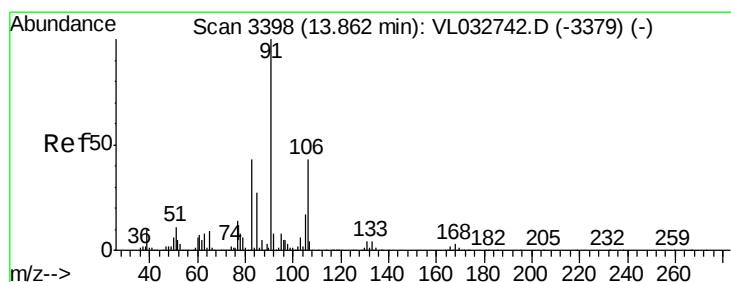
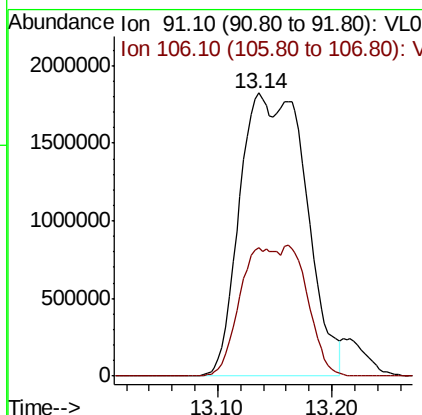
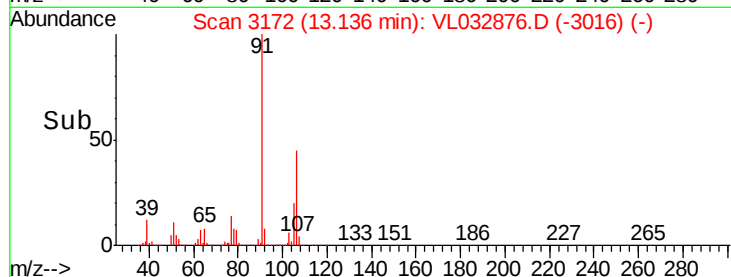
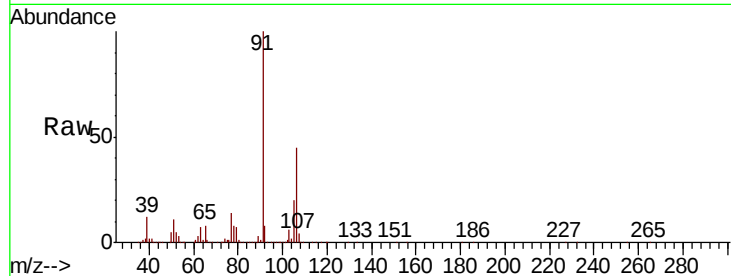
#59
m/p-Xylene
Concen: 17.890 ppbv m
RT: 13.14 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tot Ion: 91 Resp: 7299065
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#

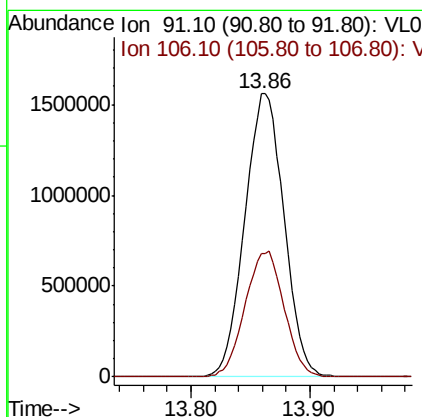
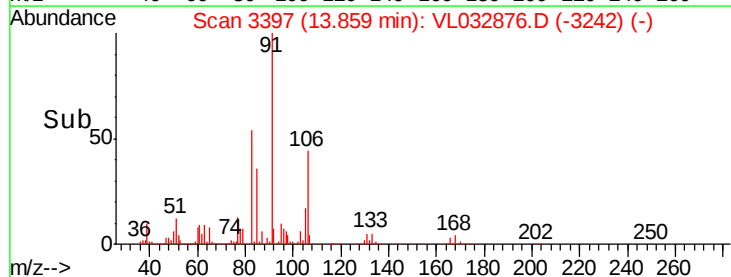
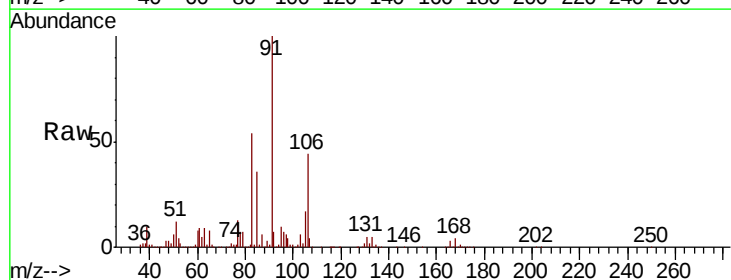
Manual Integrations
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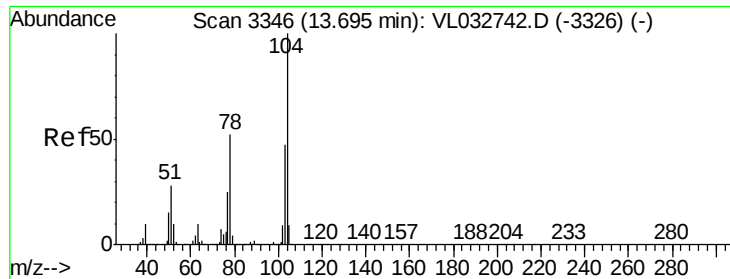
MMDadoda
12/10/2018 12:59:41 PM



#60
o-Xylene
Concen: 8.682 ppbv
RT: 13.86 min Scan# 3397
Delta R.T. -0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion: 91 Resp: 3561655
Ion Ratio Lower Upper
91 100
106 44.1 21.9 65.7





#61

Stvrene

Concen: 9.735 ppbv

RT: 13.70 min Scan# 3347

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tot Ion:104 Resp: 2599950

Ion Ratio Lower Upper

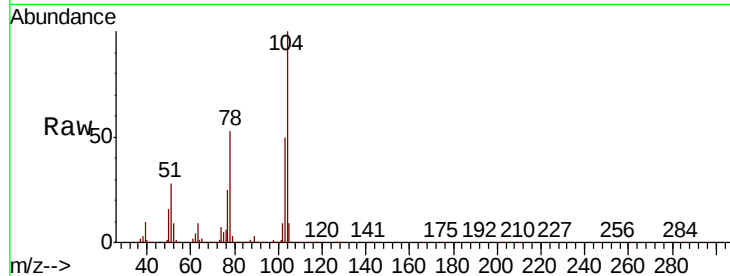
104 100

78 52.5 42.2 63.4

103 48.1 38.2 57.2

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12/10/2018 12:59:41 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V

13.70

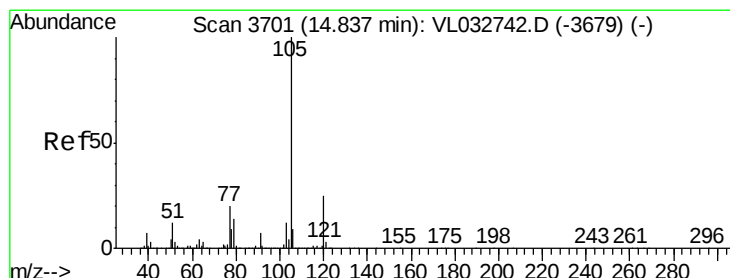
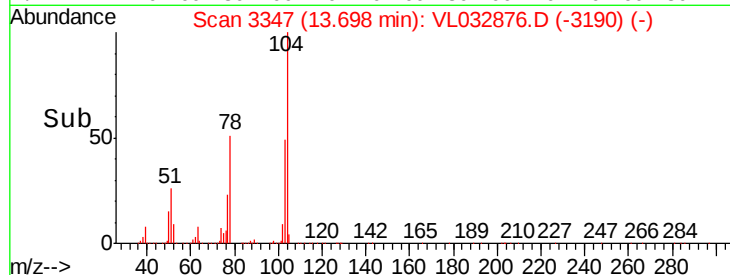
1500000

1000000

500000

0

Time-->



#62

Isopropylbenzene

Concen: 9.160 ppbv

RT: 14.84 min Scan# 3702

Delta R.T. 0.00 min

Lab File: VL032876.D

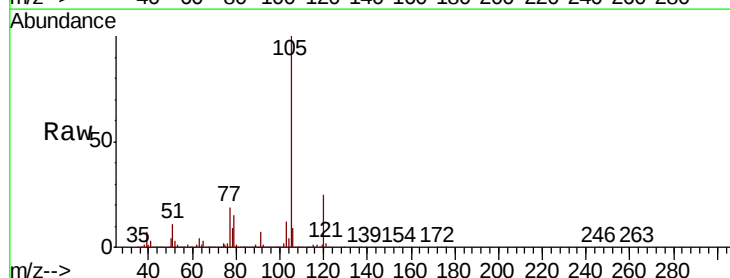
Acq: 4 Dec 2018 13:20

Tgt Ion:105 Resp: 5079617

Ion Ratio Lower Upper

105 100

120 25.4 20.1 30.1



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

14.84

2500000

2000000

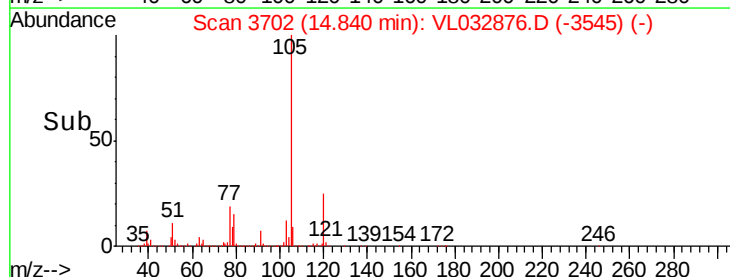
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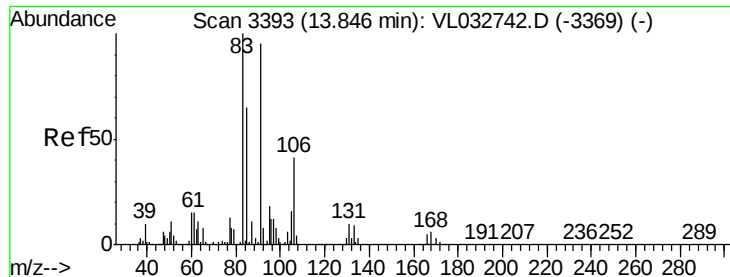
1000000

500000

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Time-->





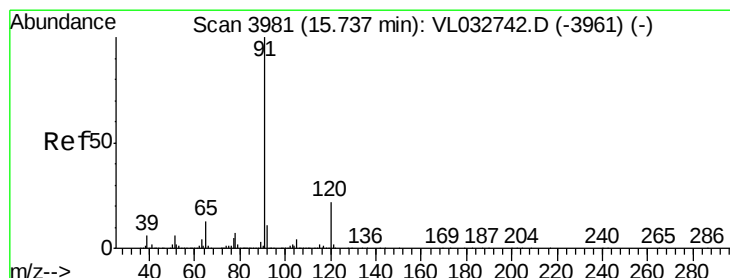
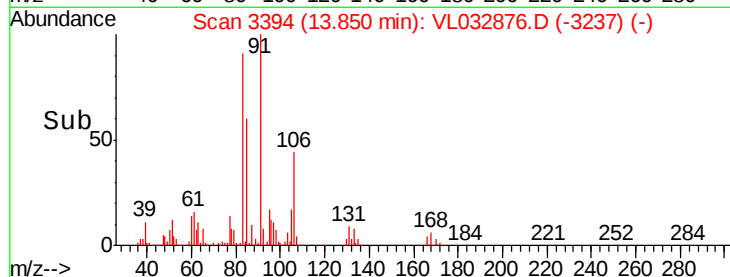
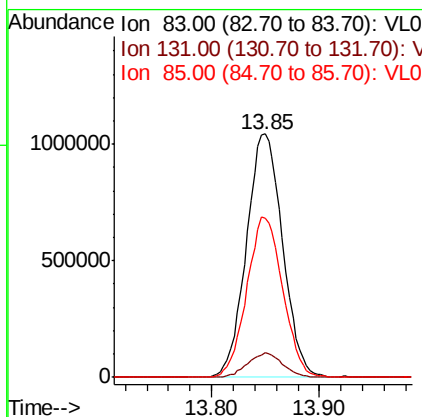
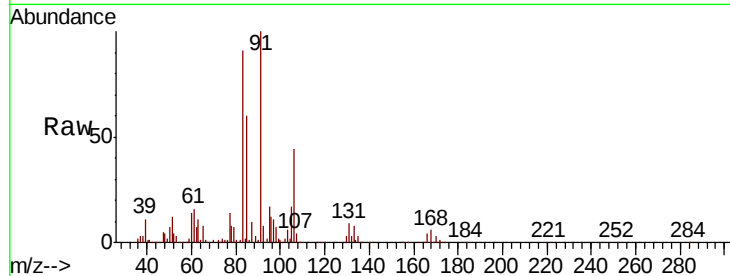
#63
1,1,2,2-Tetrachloroethane
Concen: 7.617 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tot Ion: 83 Resp: 2436070
Ion Ratio Lower Upper
83 100
131 9.9 4.7 14.1
85 65.5 32.5 97.4

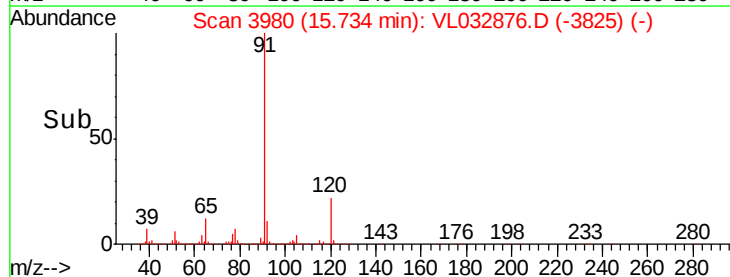
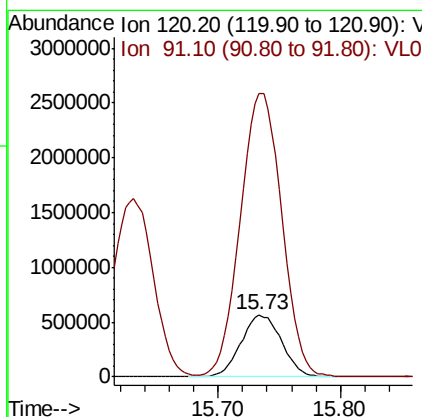
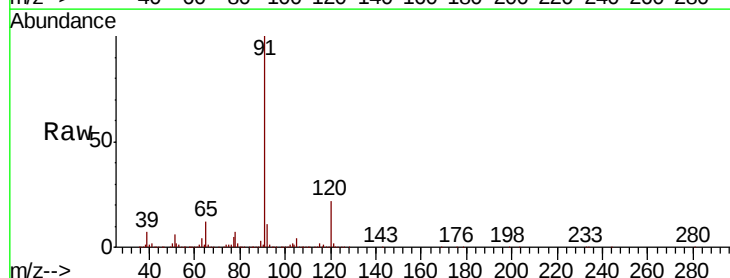
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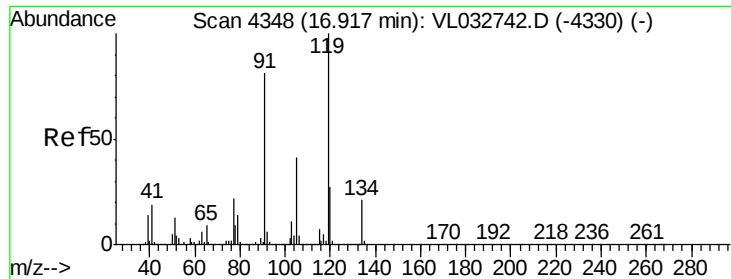
MMDadoda
12/10/2018 12:59:41 PM



#64
n-propylbenzene
Concen: 8.913 ppbv
RT: 15.73 min Scan# 3980
Delta R.T. -0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion:120 Resp: 1299943
Ion Ratio Lower Upper
120 100
91 468.9 381.7 572.5





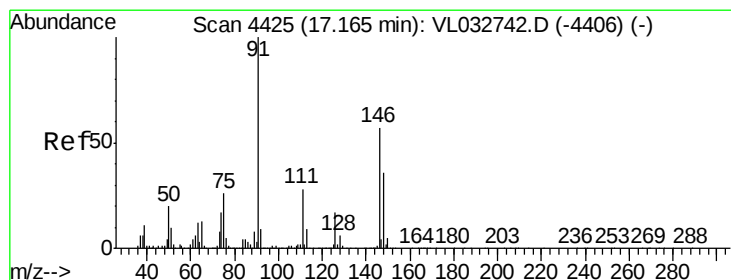
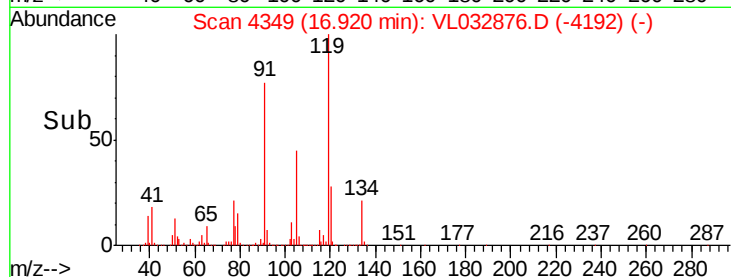
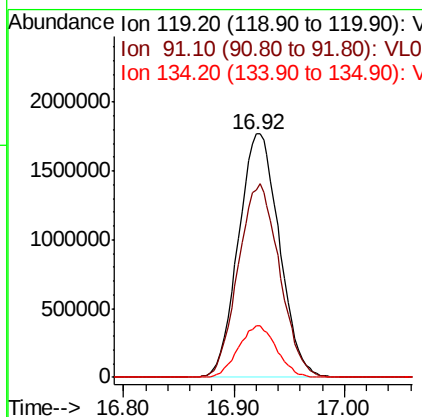
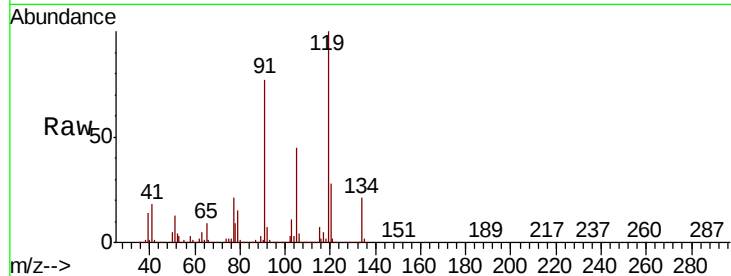
#65
tert-Butylbenzene
Concen: 9.139 ppbv
RT: 16.92 min Scan# 4349
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	80.6	65.6	98.4
134	19.9	15.9	23.9

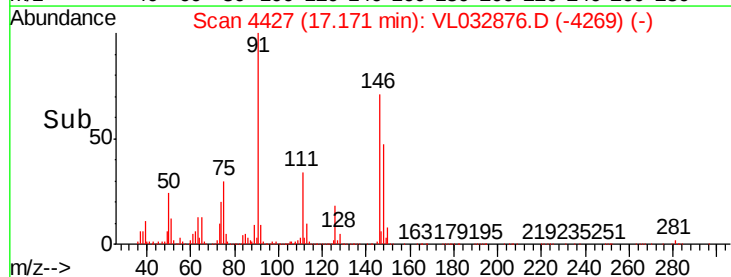
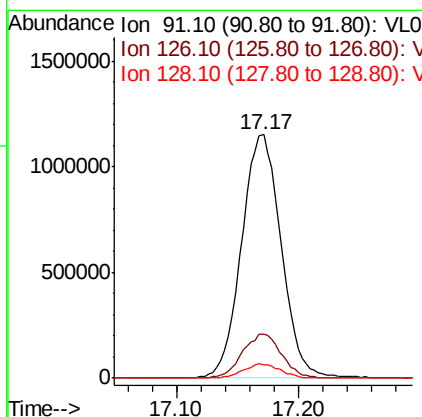
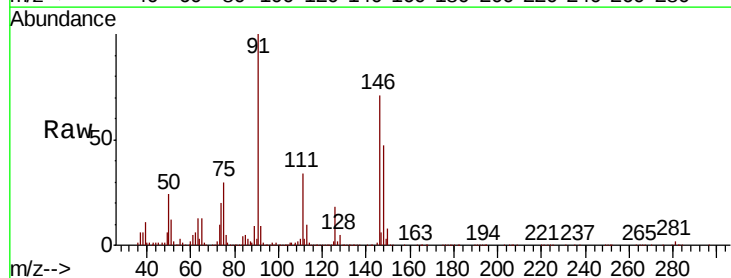
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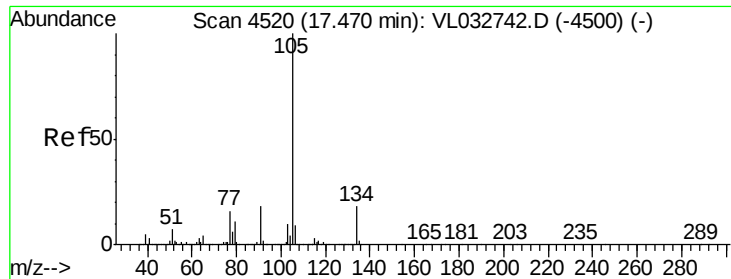
MMDadoda
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#66
Benzyl Chloride
Concen: 9.360 ppbv
RT: 17.17 min Scan# 4427
Delta R.T. 0.01 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
91	100		
126	18.0	14.2	21.2
128	5.6	4.5	6.7





#67

sec-Butylbenzene

Concen: 8.764 ppbv

RT: 17.47 min Scan# 4521

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tot Ion:105 Resp: 6278097

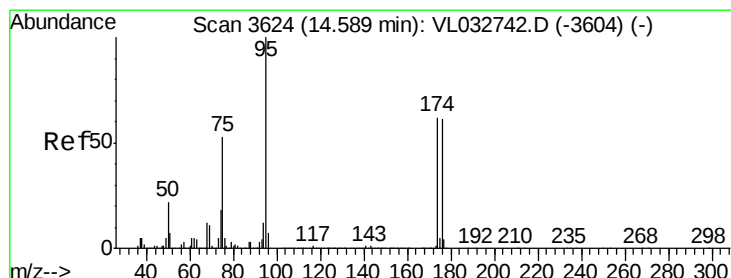
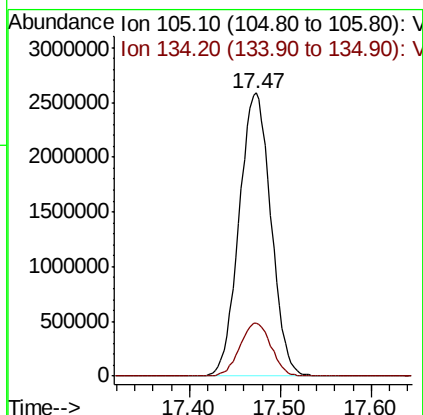
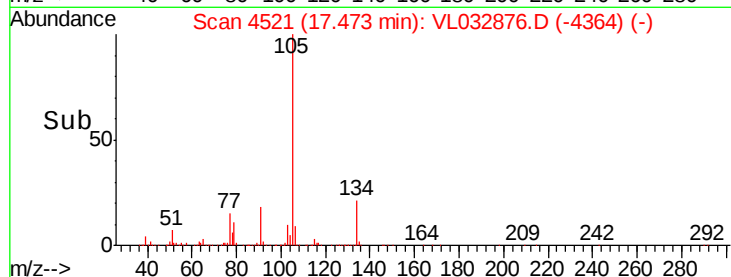
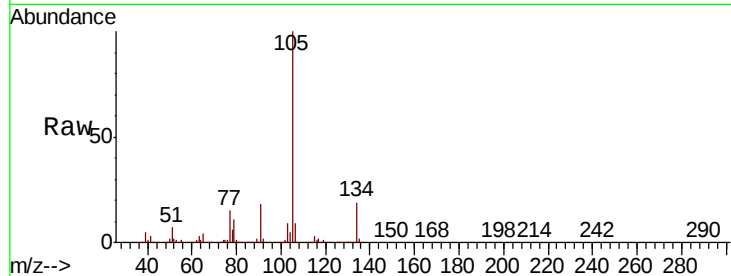
Ion Ratio Lower Upper

105 100

134 18.5 14.6 21.8

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.355 ppbv

RT: 14.59 min Scan# 3624

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

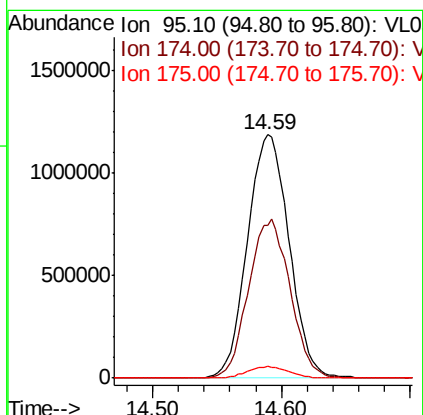
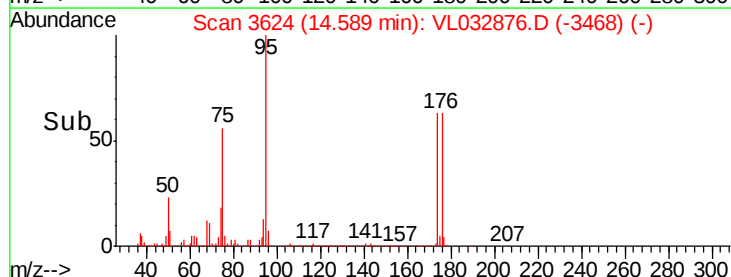
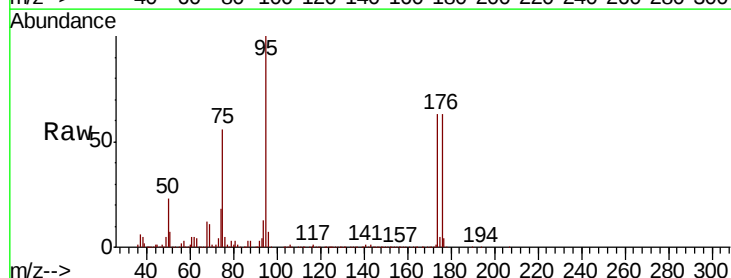
Tgt Ion: 95 Resp: 2664839

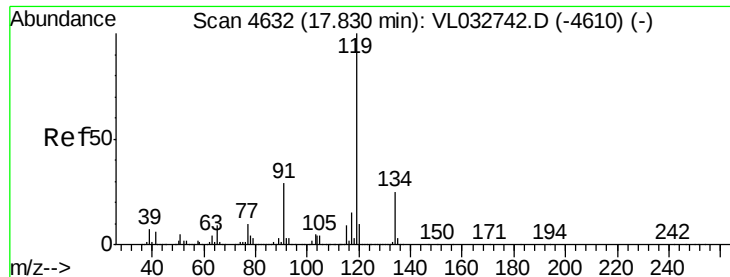
Ion Ratio Lower Upper

95 100

174 65.2 50.7 76.1

175 4.8 3.8 5.6





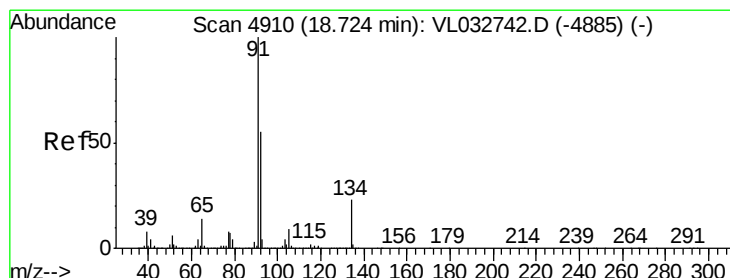
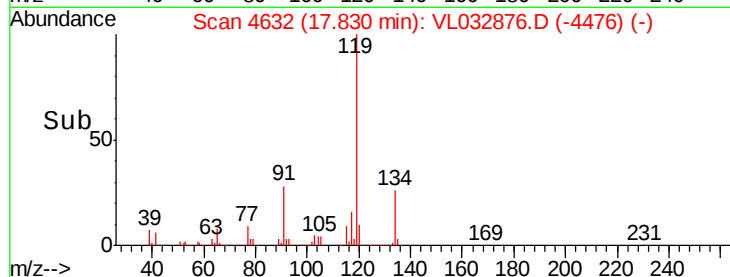
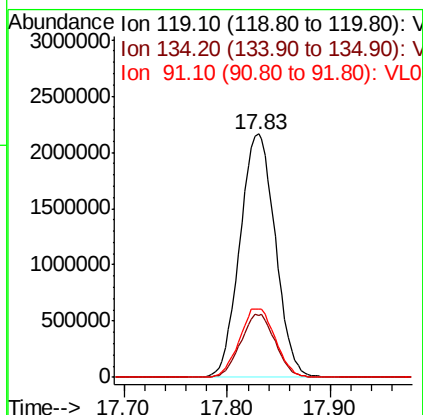
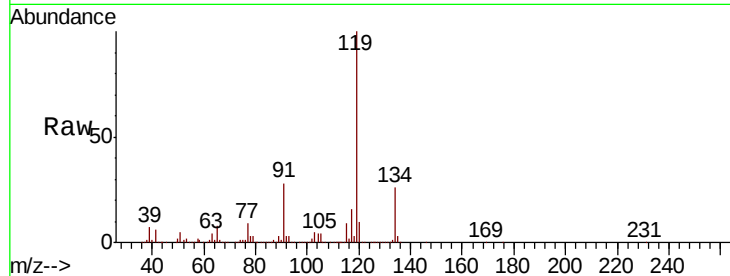
#69
 p-Isopropyltoluene
 Concen: 9.044 ppbv
 RT: 17.83 min Scan# 4632
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.3	20.2	30.4
91	28.6	23.5	35.3

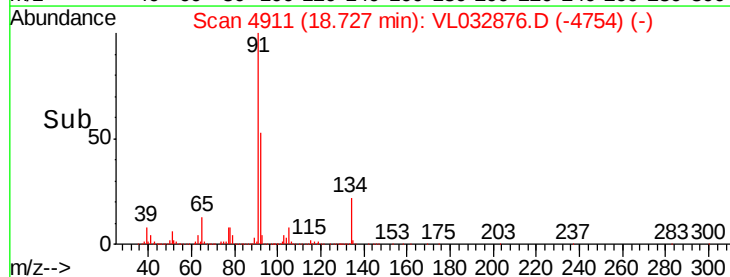
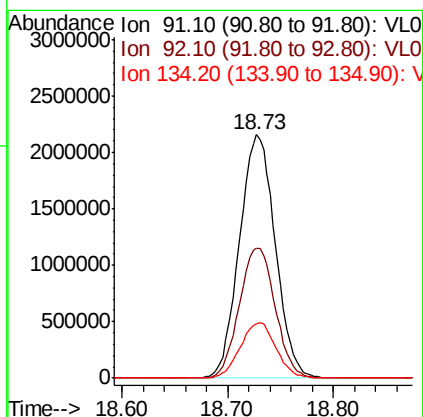
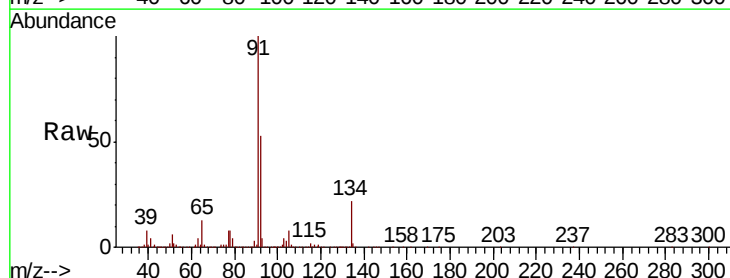
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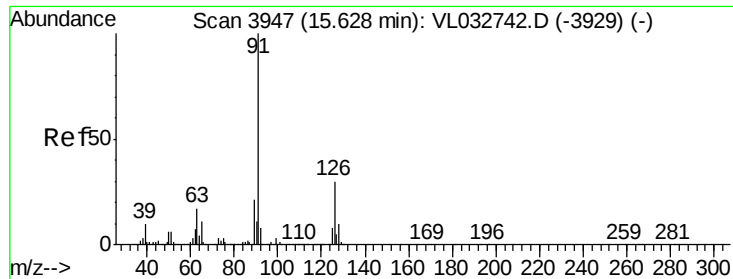
MMDadoda
 12/10/2018 12:59:41 PM



#70
 n-Butylbenzene
 Concen: 8.808 ppbv
 RT: 18.73 min Scan# 4911
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	42.9	64.3
134	22.7	17.8	26.8





#71

2-Chlorotoluene

Concen: 9.012 ppbv

RT: 15.63 min Scan# 3948

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Instrument :

MSVOA_L

ClientSampleId :

VL1204ABS01

Tot Ion: 91 Resp: 3726704

Ion Ratio Lower Upper

91 100

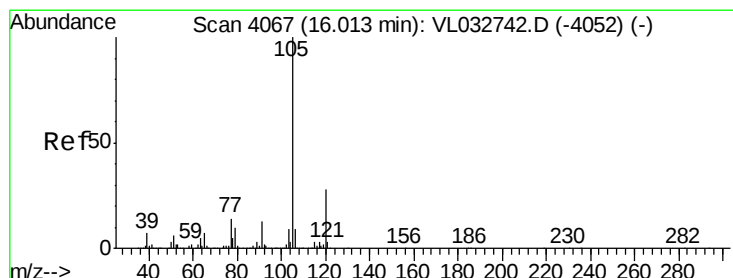
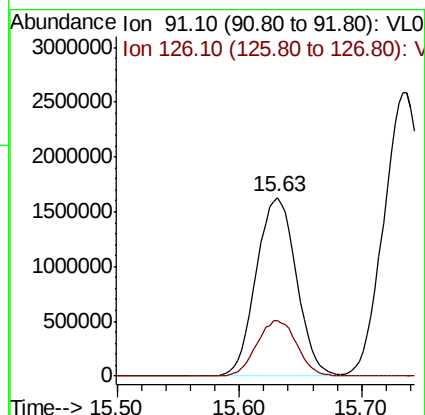
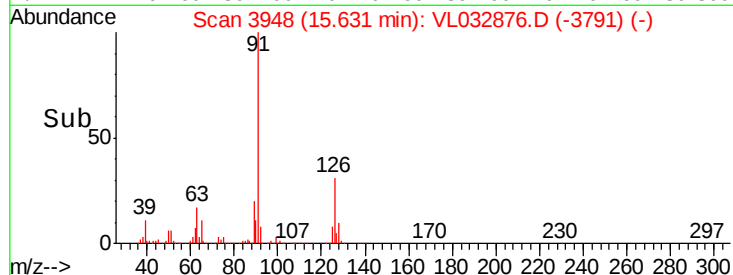
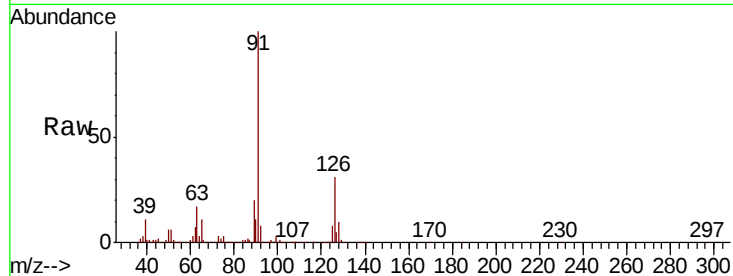
126 31.2 12.1 48.5

Manual Integrations

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MMDadoda

12/10/2018 12:59:41 PM



#72

4-Ethyltoluene

Concen: 9.071 ppbv

RT: 16.02 min Scan# 4068

Delta R.T. 0.00 min

Lab File: VL032876.D

Acq: 4 Dec 2018 13:20

Tgt Ion:105 Resp: 4078768

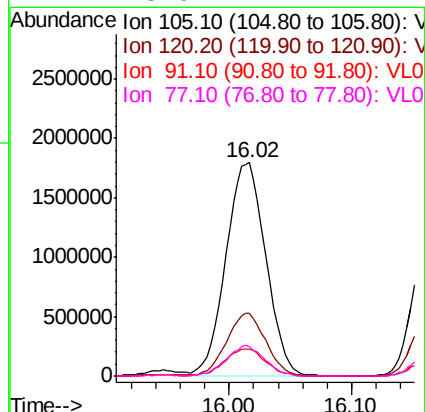
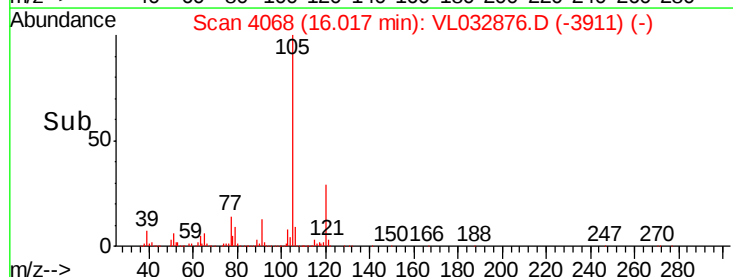
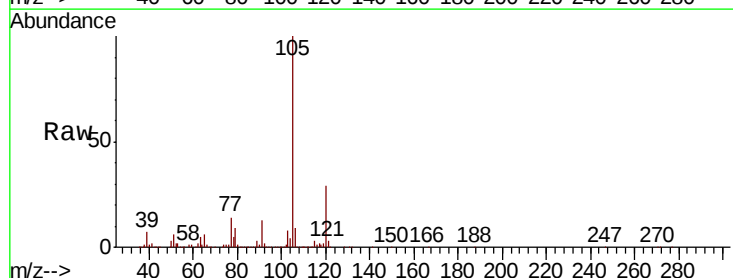
Ion Ratio Lower Upper

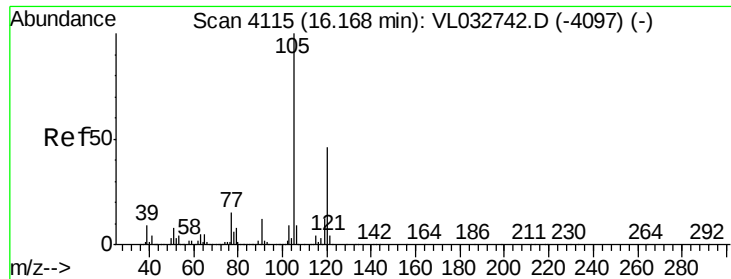
105 100

120 29.7 22.9 34.3

91 12.9 10.6 15.8

77 13.9 11.4 17.2





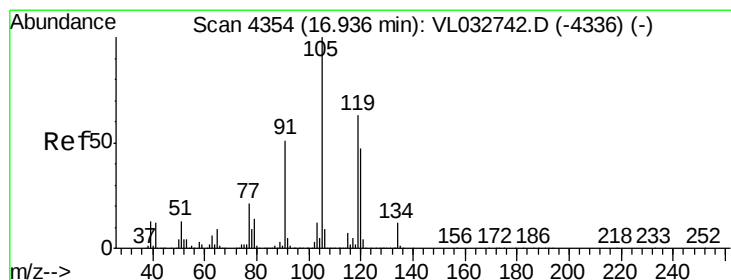
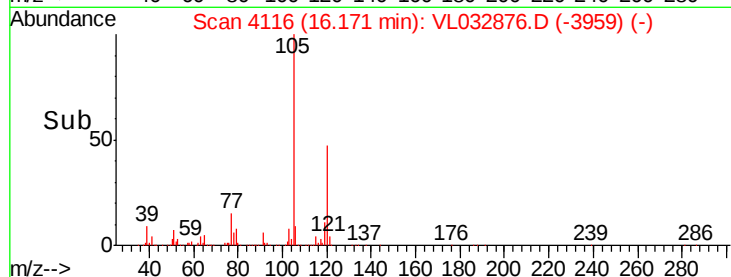
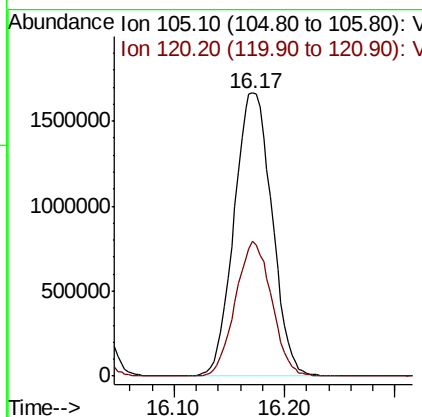
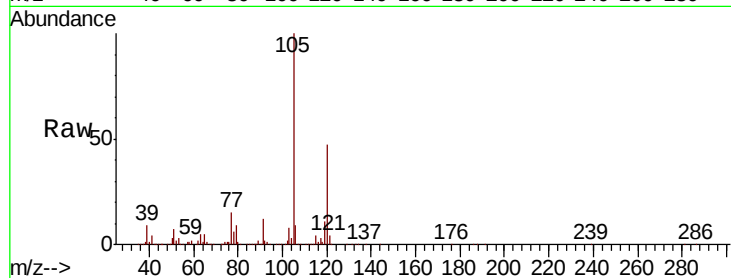
#73
 1,3,5-Trimethylbenzene
 Concen: 8.974 ppbv
 RT: 16.17 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Tot Ion:105 Resp: 3945494
 Ion Ratio Lower Upper
 105 100
 120 47.5 36.6 55.0

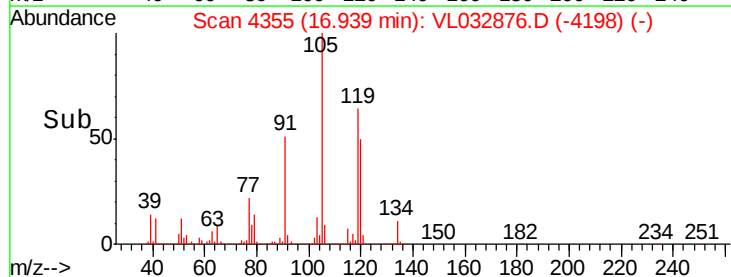
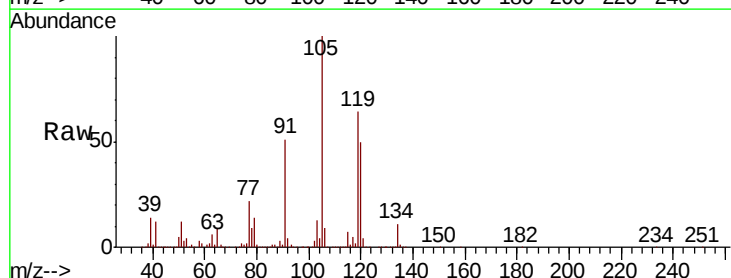
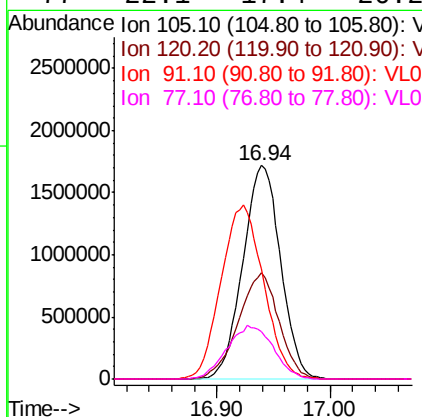
Manual Integrations
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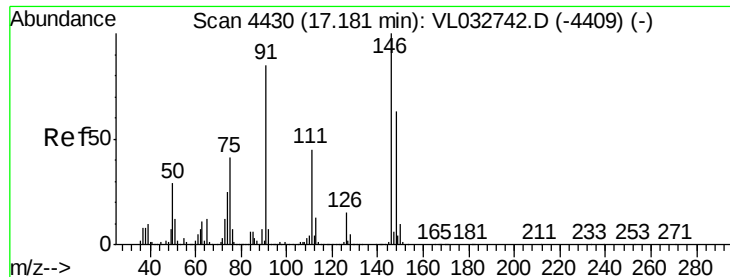
MMDadoda
 12/10/2018 12:59:41 PM



#74
 1,2,4-Trimethylbenzene
 Concen: 8.486 ppbv
 RT: 16.94 min Scan# 4355
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion:105 Resp: 3992330
 Ion Ratio Lower Upper
 105 100
 120 50.0 37.6 56.4
 91 51.2 42.5 63.7
 77 22.1 17.4 26.2





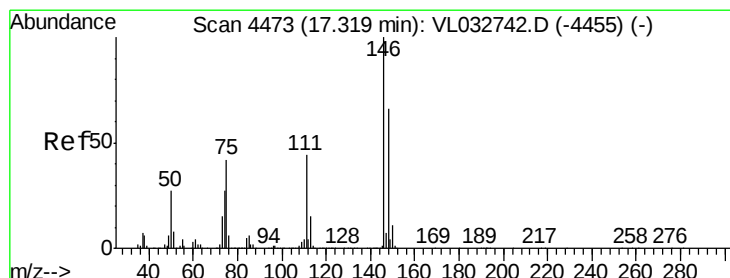
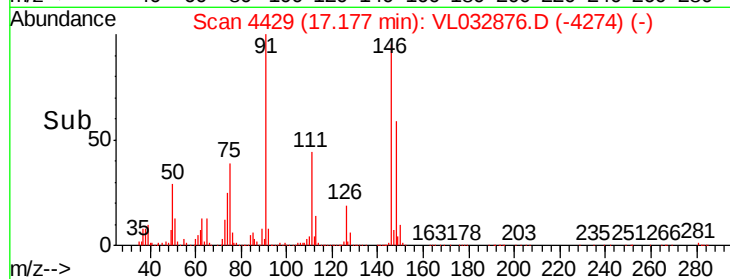
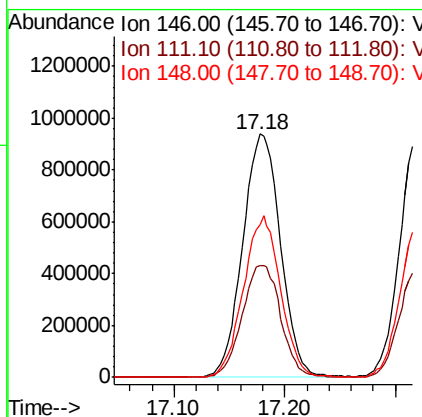
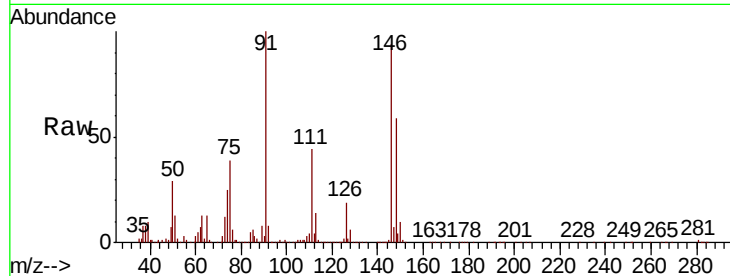
#75
 1,3-Dichlorobenzene
 Concen: 8.266 ppbv
 RT: 17.18 min Scan# 4429
 Delta R.T. -0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Tot Ion:146 Resp: 2230846
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.5 70.6
 148 65.1 31.8 95.3

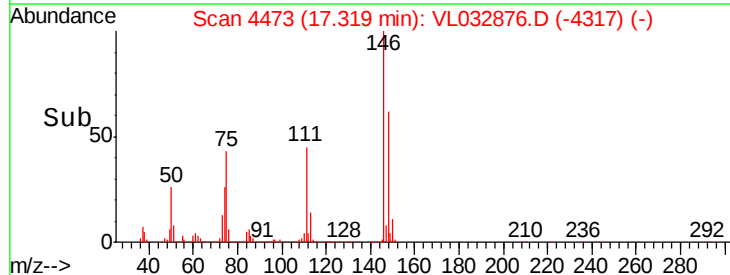
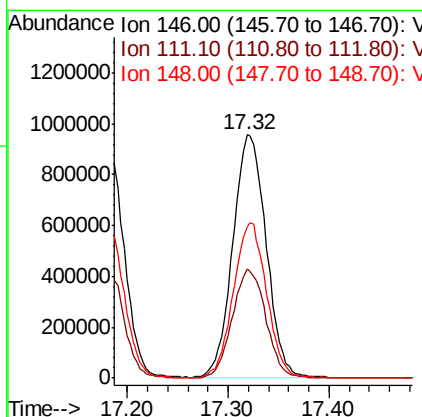
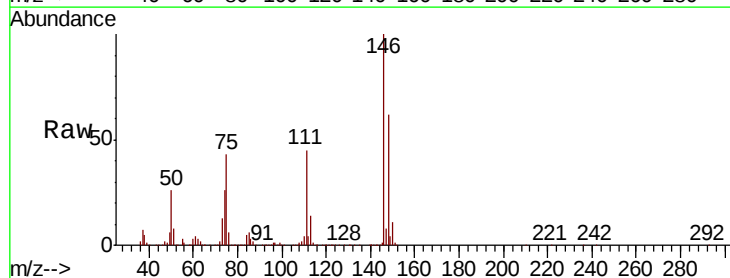
Manual Integrations
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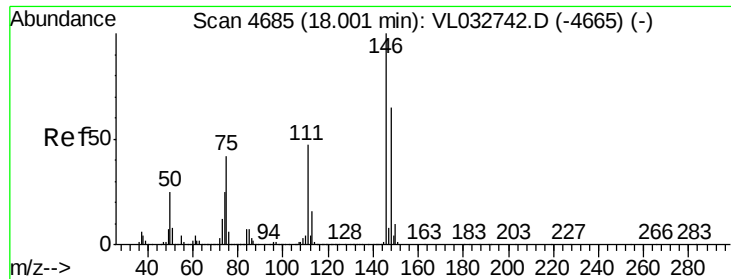
MMDadoda
 12/10/2018 12:59:41 PM



#76
 1,4-Dichlorobenzene
 Concen: 8.706 ppbv
 RT: 17.32 min Scan# 4473
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion:146 Resp: 2194653
 Ion Ratio Lower Upper
 146 100
 111 45.3 22.5 67.5
 148 64.1 32.5 97.5





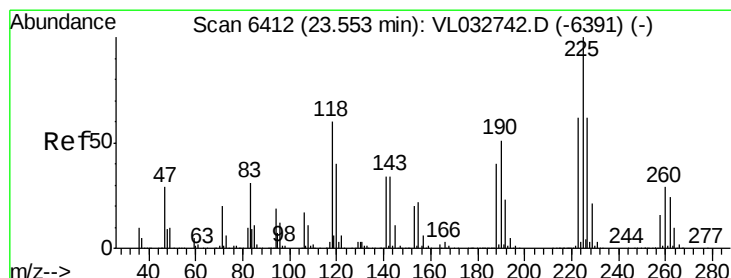
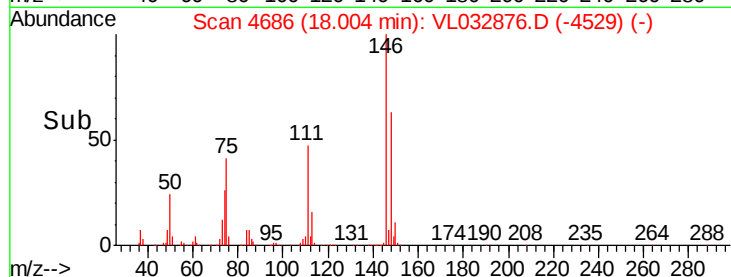
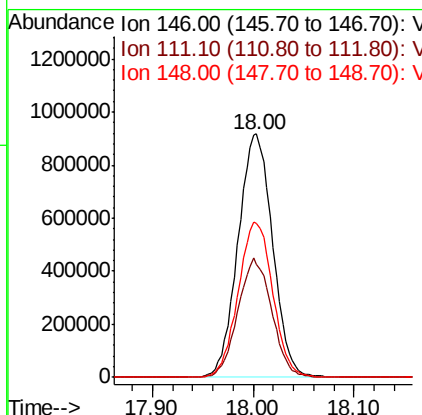
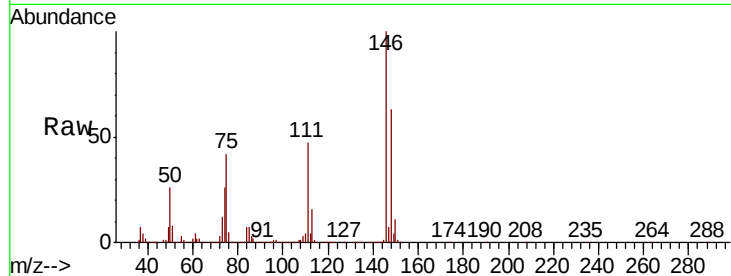
#77
 1,2-Dichlorobenzene
 Concen: 8.719 ppbv
 RT: 18.00 min Scan# 4686
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	48.1	24.4	73.2
148	63.9	32.2	96.6

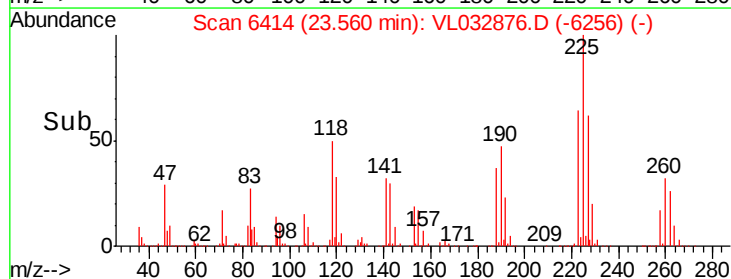
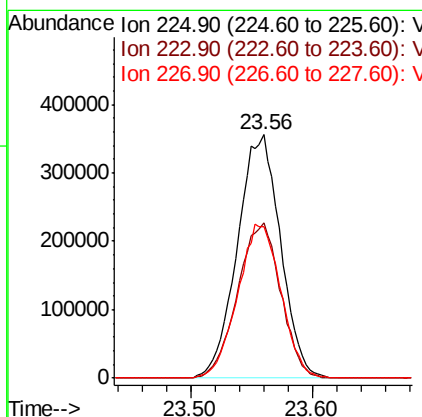
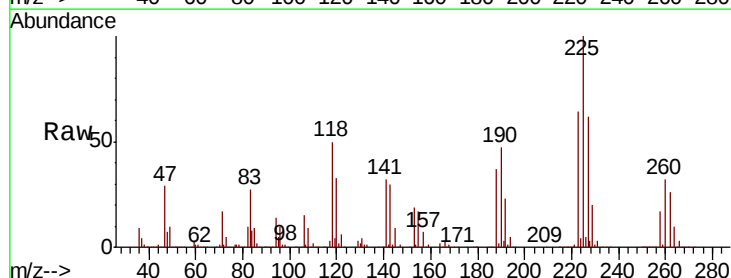
Manual Integrations
 APPROVED

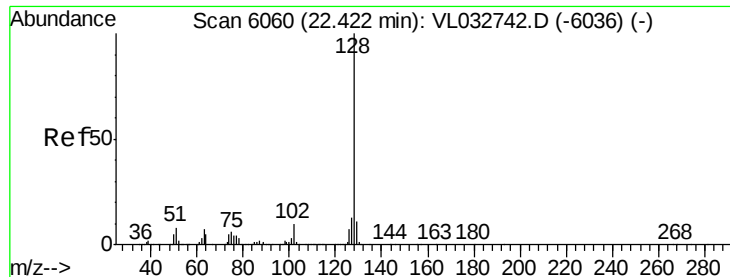
MMDadoda
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#78
 Hexachloro-1,3-Butadiene
 Concen: 6.447 ppbv m
 RT: 23.56 min Scan# 6414
 Delta R.T. 0.01 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	0.0	50.3	75.5#
227	63.6	50.2	75.4





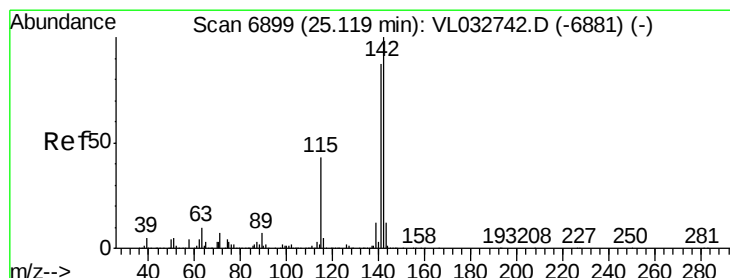
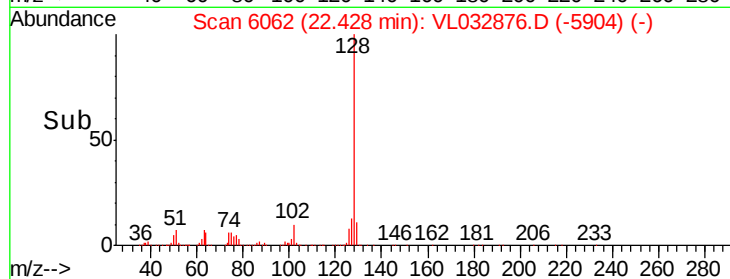
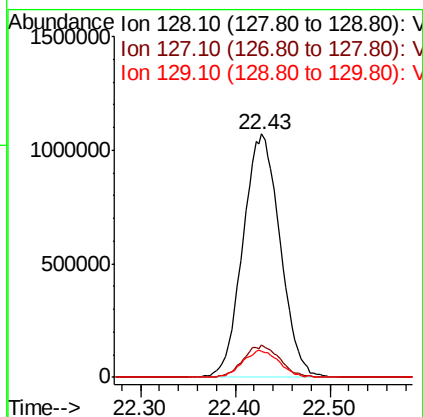
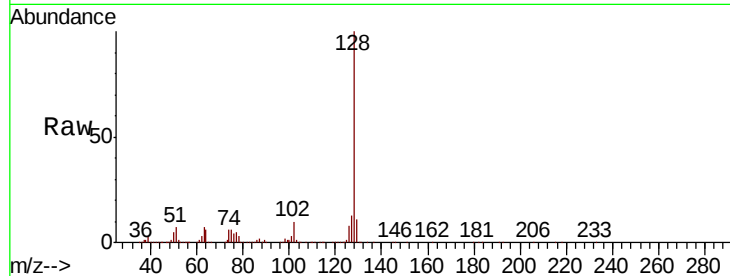
#79
Naphthalene
Concen: 9.455 ppbv
RT: 22.43 min Scan# 6062
Delta R.T. 0.01 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Instrument :
MSVOA_L
ClientSampleId :
VL1204ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.8	8.9	13.3

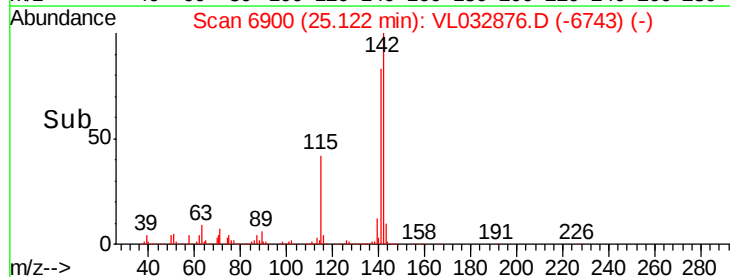
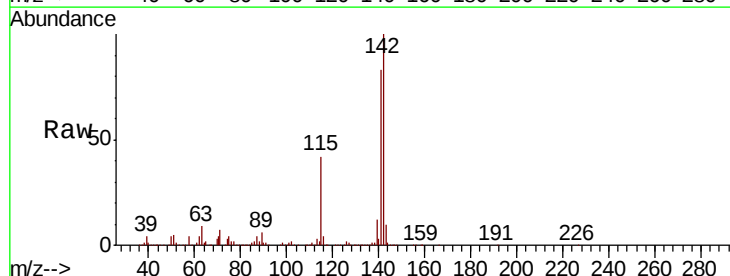
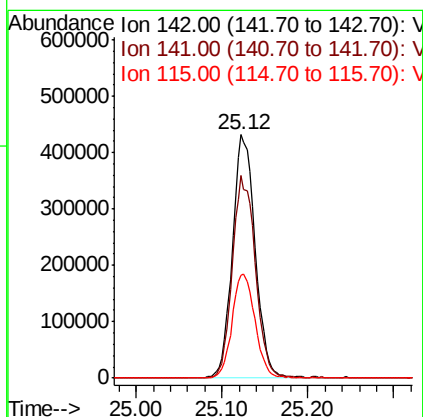
Manual Integrations
APPROVED

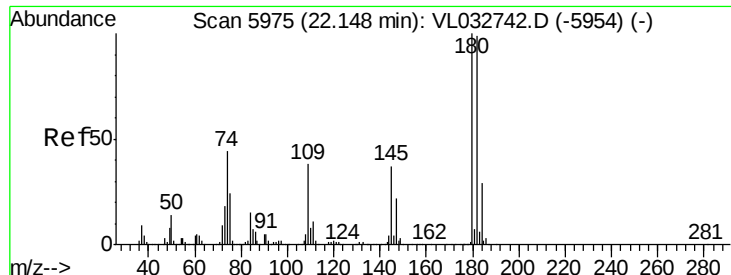
MMDadoda
12/10/2018 12:59:41 PM



#80
Naphthalene, 2-methyl-
Concen: 10.243 ppbv
RT: 25.12 min Scan# 6900
Delta R.T. 0.00 min
Lab File: VL032876.D
Acq: 4 Dec 2018 13:20

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.2	68.7	103.1
115	43.5	35.5	53.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.702 ppbv
 RT: 22.15 min Scan# 5976
 Delta R.T. 0.00 min
 Lab File: VL032876.D
 Acq: 4 Dec 2018 13:20

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1204ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.3	115.9
184	30.7	24.2	36.4

Manual Integrations
 APPROVED

MMDadoda
 12/10/2018 12:59:41 PM

