

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091819\
 Data File : VL034186.D
 Acq On : 18 Sep 2019 17:07
 Operator : SY/AP
 Sample : VL0918ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0918ABS01

Manual Integrations
 APPROVED

MMDadoda
 9/20/2019 12:37:15 AM

Quant Time: Sep 19 06:58:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 19
 QLast Update : Wed Sep 18 12:53:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1180226	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.22	114	2028421	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.16	117	2162140m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.50	95	1842353	9.81	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1365382	7.832	ppbv	99
3) Chlorodifluoromethane	2.97	51	1274435	9.210	ppbv	100
4) Chloromethane	3.13	50	767365	9.436	ppbv	98
5) Vinyl Chloride	3.25	62	676017	9.096	ppbv	98
6) Bromomethane	3.47	94	329743	9.510	ppbv	96
7) Chloroethane	3.55	64	244788	9.424	ppbv	95
8) Dichlorotetrafluoroethane	3.18	85	1401324	9.108	ppbv	98
9) Propene	2.99	41	625503	9.162	ppbv	99
10) Heptane	8.18	43	1663525	9.349	ppbv	100
11) Trichlorofluoromethane	3.95	101	1484340	9.354	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.50	101	978084	9.418	ppbv	99
13) Ethanol	3.60	45	135255	8.181	ppbv	95
14) Bromoethene	3.74	108	420196	9.896	ppbv	99
15) Acetone	3.85	43	1269623	8.026	ppbv	100
16) 1,3-Butadiene	3.32	39	677327	9.812	ppbv	97
17) tert-Butyl alcohol	4.30	59	1109222	11.067	ppbv	100
18) 1,1-Dichloroethene	4.29	96	448281	9.897	ppbv	95
19) Isopropyl Alcohol	3.97	45	1013067	10.415	ppbv	100
20) Methylene Chloride	4.35	84	406826	8.920	ppbv	96
21) Allyl Chloride	4.42	41	892901	9.994	ppbv	99
22) trans-1,2-Dichloroethene	4.90	96	444965	9.818	ppbv	99
23) Vinyl Acetate	5.10	43	2225364	9.547	ppbv	99
24) 1,1-Dichloroethane	5.03	63	1437011	9.156	ppbv	99
25) Ethyl Acetate	5.70	43	2678448	8.954	ppbv	99
26) Hexane	5.72	57	1126080	9.050	ppbv	99
27) Carbon Disulfide	4.56	76	1204066	10.492	ppbv	100
28) Methyl tert-Butyl Ether	5.05	73	1750014	9.470	ppbv	100
29) Chloroform	5.79	83	1670045	9.392	ppbv	100
30) Cyclohexane	7.18	84	851739	9.481	ppbv	100
31) cis-1,2-Dichloroethene	5.58	61	1210236	9.541	ppbv	98
32) 1,1,1-Trichloroethane	6.55	97	1585124	9.244	ppbv	99
34) 2-Butanone	5.27	43	1860578	8.983	ppbv	99
35) Carbon Tetrachloride	7.07	117	1581840	9.387	ppbv	99
36) Benzene	6.94	78	2073555	9.256	ppbv	99
37) 1,2-Dichloroethane	6.35	62	1503983	9.439	ppbv	100
38) Trichloroethene	7.89	130	684281	8.549	ppbv	98
39) 1,2-Dichloropropane	7.67	63	910334	9.044	ppbv	97
40) 1,4-Dioxane	7.88	88	297125	9.122	ppbv #	94
41) Tetrahydrofuran	6.08	42	1114627	9.555	ppbv	99
42) Bromodichloromethane	7.85	83	1836283	9.602	ppbv #	99
43) Methyl Methacrylate	8.07	69	908132	9.813	ppbv	99

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 QLast Update : Wed Sep 18 12:53:31 2019
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	3838450	8.900	ppbv	100
45) t-1,3-Dichloropropene	9.34	75	1171484	10.706	ppbv	99
46) cis-1,3-Dichloropropene	8.76	75	1327915	10.088	ppbv	97
47) 1,1,2-Trichloroethane	9.54	97	822005	9.094	ppbv	96
48) Dibromochloromethane	10.38	129	1365918	9.535	ppbv	100
49) Bromoform	13.12	173	1129401	9.742	ppbv	99
50) 4-Methyl-2-Pentanone	8.80	43	2742158	9.097	ppbv	99
51) 2-Hexanone	10.19	43	2328871	9.206	ppbv	99
52) Tetrachloroethene	11.29	164	624930	8.443	ppbv	96
53) Toluene	9.87	91	2259979	9.230	ppbv	100
54) 1,2-Dibromoethane	10.68	107	1227881	9.135	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.20	131	881634	9.143	ppbv	98
57) Chlorobenzene	12.22	112	1590010	8.446	ppbv	97
58) Ethyl Benzene	12.79	91	3082557	8.836	ppbv	98
59) m/p-Xylene	13.07	91	5001996m	17.310	ppbv	
60) o-Xylene	13.77	91	2495543	8.637	ppbv	100
61) Styrene	13.61	104	1866223	9.017	ppbv	100
62) Isopropylbenzene	14.75	105	3243523	8.672	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.76	83	1817607	7.672	ppbv	100
64) n-propylbenzene	15.64	120	832467	8.797	ppbv	92
65) tert-Butylbenzene	16.83	119	2731190	8.357	ppbv	99
66) Benzyl Chloride	17.08	91	1241687	10.739	ppbv	99
67) sec-Butylbenzene	17.38	105	3983520	8.524	ppbv	99
69) p-Isopropyltoluene	17.74	119	3195763	8.445	ppbv	100
70) n-Butylbenzene	18.64	91	3660294	8.307	ppbv	99
71) 2-Chlorotoluene	15.54	91	2630755	8.608	ppbv	100
72) 4-Ethyltoluene	15.92	105	2851644	8.735	ppbv	100
73) 1,3,5-Trimethylbenzene	16.08	105	2753081	8.730	ppbv	100
74) 1,2,4-Trimethylbenzene	16.85	105	2749270	8.210	ppbv	97
75) 1,3-Dichlorobenzene	17.09	146	1458700	8.119	ppbv	100
76) 1,4-Dichlorobenzene	17.23	146	1512792	8.222	ppbv	99
77) 1,2-Dichlorobenzene	17.91	146	1493847	8.215	ppbv	99
78) Hexachloro-1,3-Butadiene	23.47	225	971634	8.067	ppbv	98
79) Naphthalene	22.31	128	2490841	8.449	ppbv	96
80) Naphthalene, 2-methyl-	25.05	142	563717	4.112	ppbv	96
81) 1,2,4-Trichlorobenzene	22.04	180	1342689	8.222	ppbv	100

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

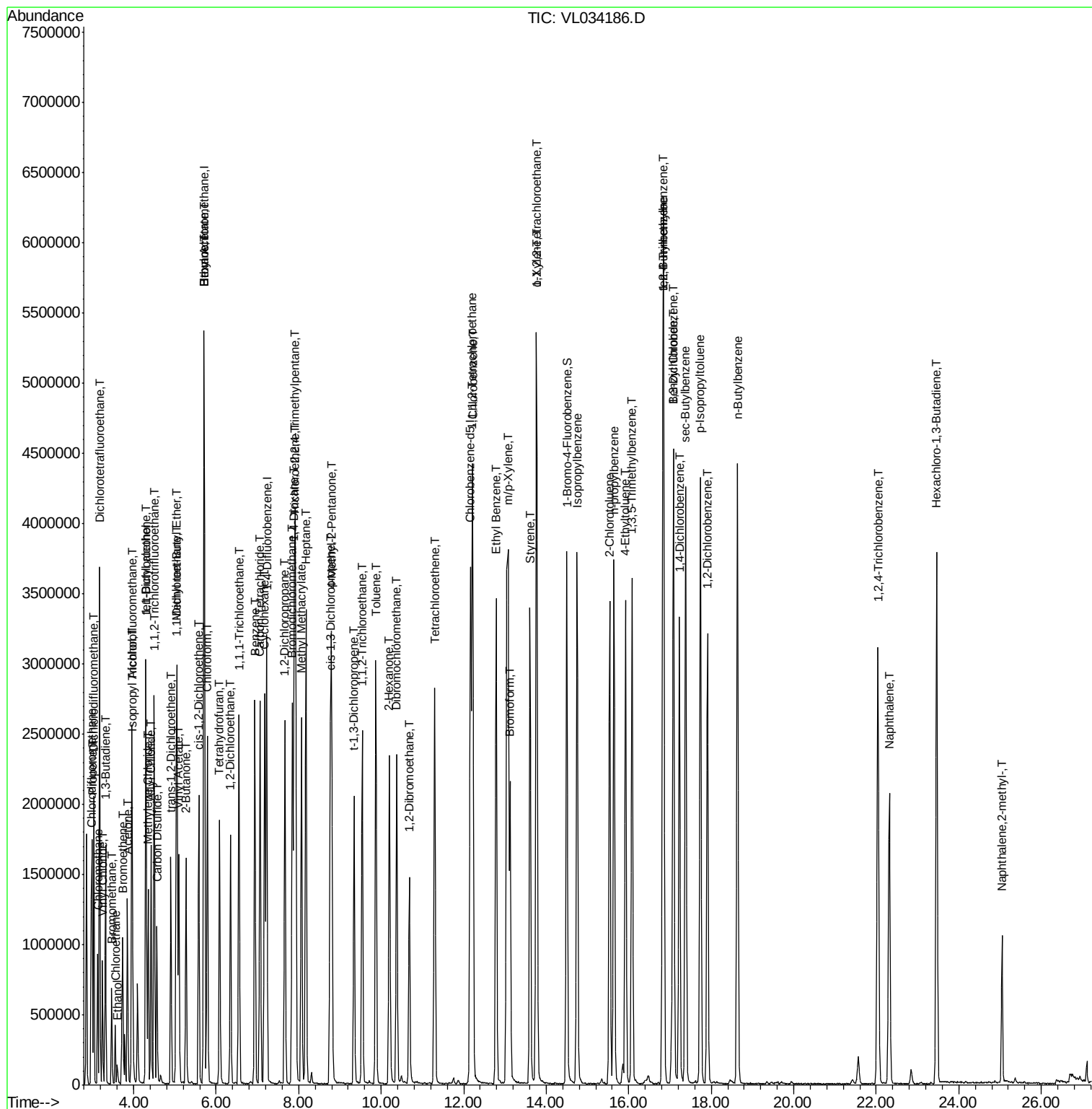
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL091819\
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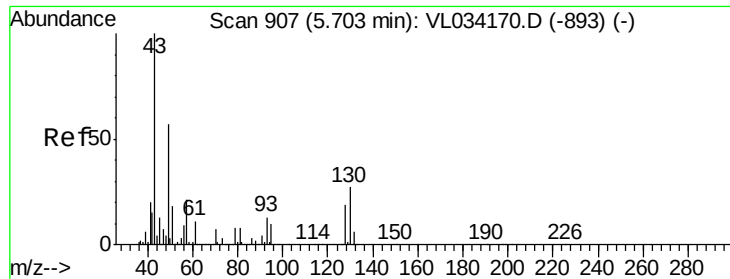
Instrument :
MSVOA_L
ClientSampled :
VL0918ABS01

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QLast Update : Wed Sep 18 12:53:31 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tot Ion: 49 Resp: 1180226

Ion Ratio Lower Upper

49 100

128 34.3 17.6 52.9

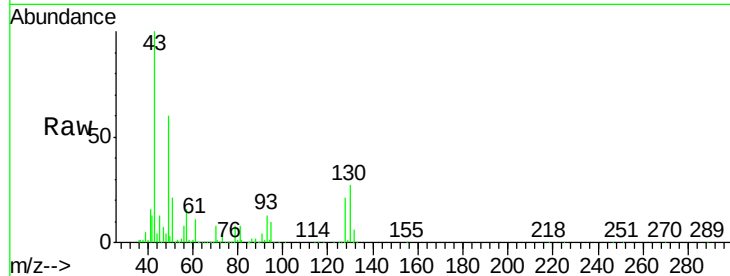
130 43.3 22.3 66.9

Manual Integrations

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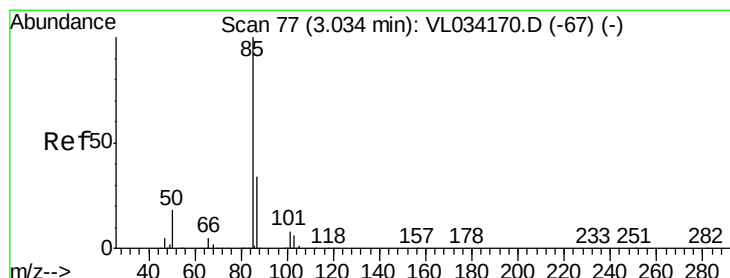
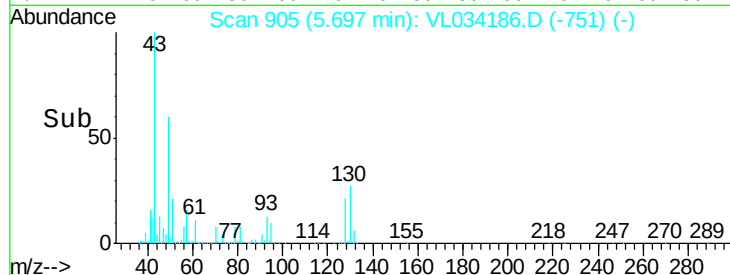
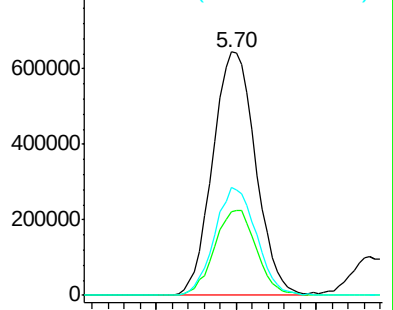
9/20/2019 12:37:15 AM



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: 7.832 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.00 min

Lab File: VL034186.D

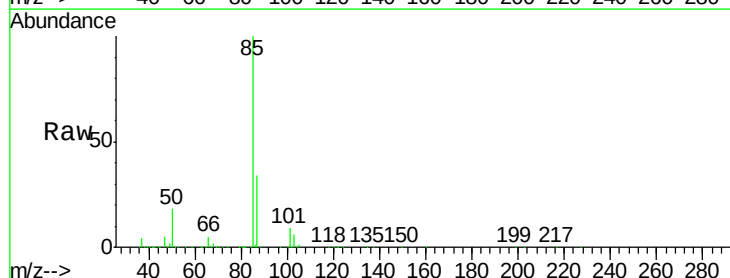
Acq: 18 Sep 2019 17:07

Tgt Ion: 85 Resp: 1365382

Ion Ratio Lower Upper

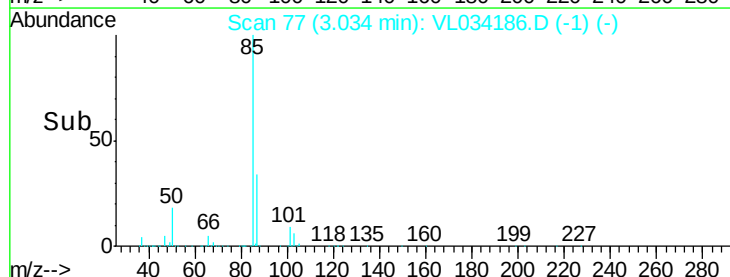
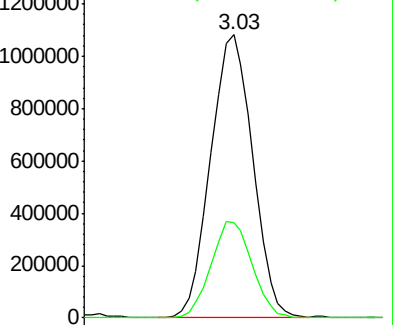
85 100

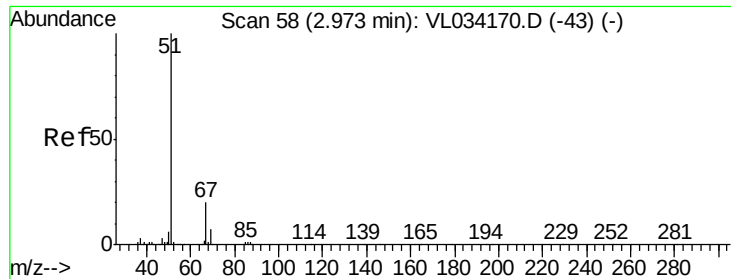
87 33.7 27.2 40.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.210 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Tot Ion: 51 Resp: 1274435

Ion Ratio Lower Upper

51 100

67 18.5 14.8 22.2

Instrument :

MSVOA_L

ClientSampleId :

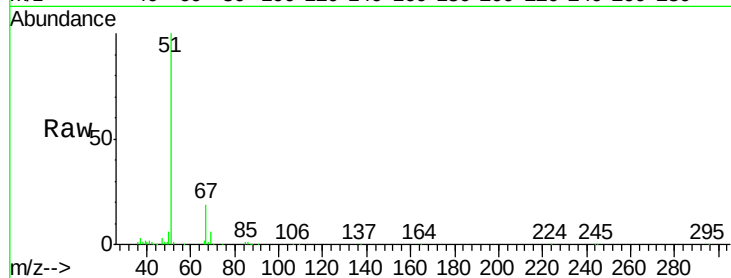
VL0918ABS01

Manual Integrations

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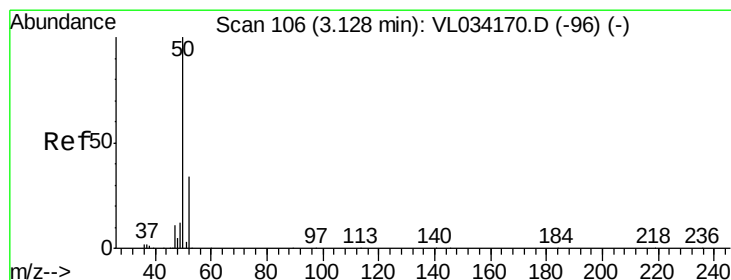
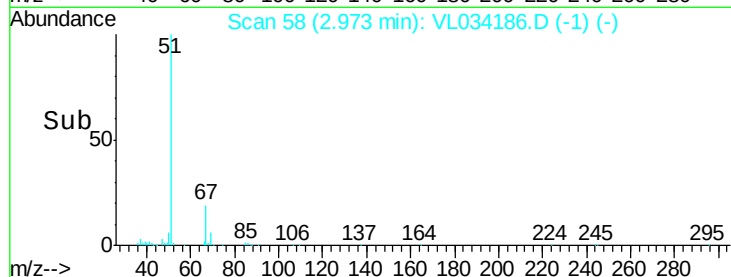
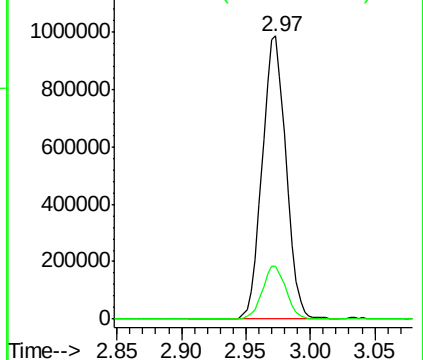
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 9.436 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL034186.D

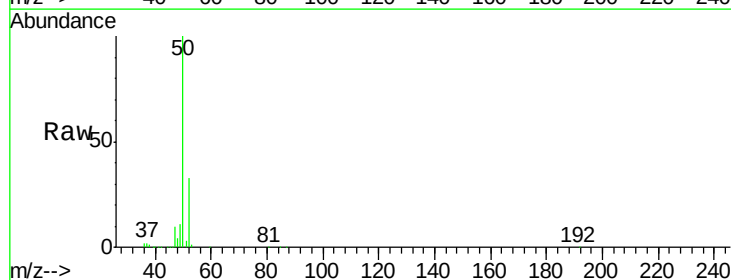
Acq: 18 Sep 2019 17:07

Tgt Ion: 50 Resp: 767365

Ion Ratio Lower Upper

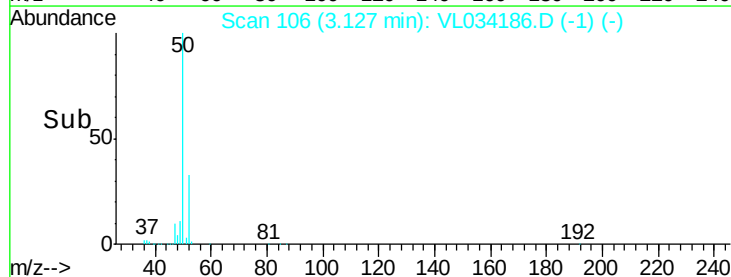
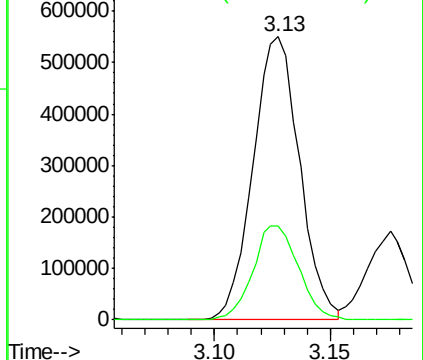
50 100

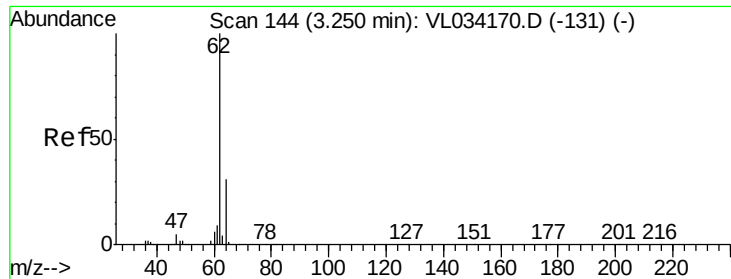
52 33.0 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.096 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleID :

VL0918ABS01

Tot Ion: 62 Resp: 676017

Ion Ratio Lower Upper

62 100

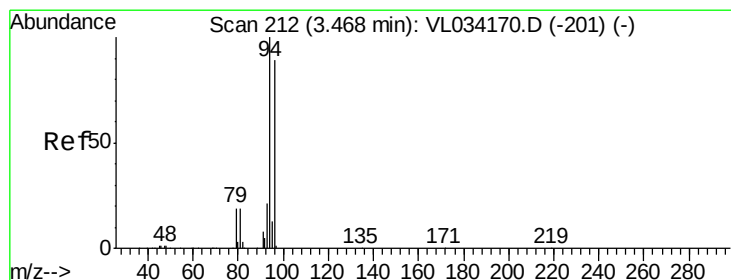
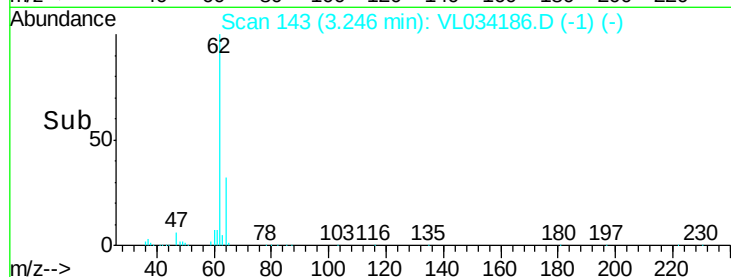
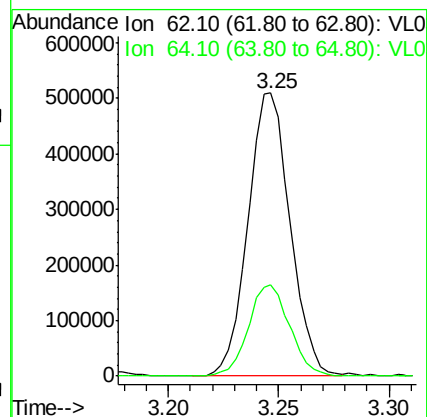
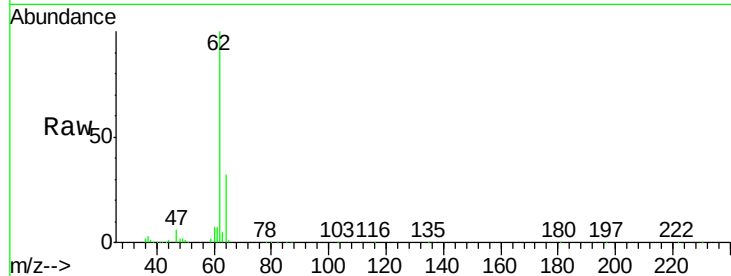
64 32.4 25.2 37.8

Manual Integrations

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#6

Bromomethane

Concen: 9.510 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.00 min

Lab File: VL034186.D

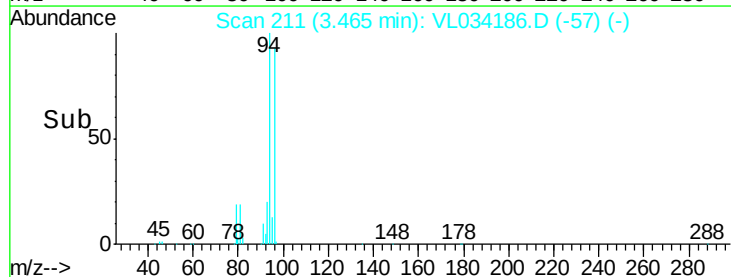
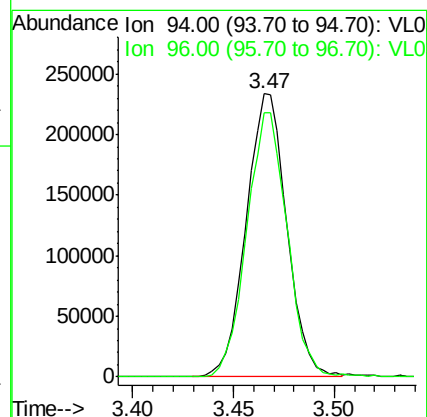
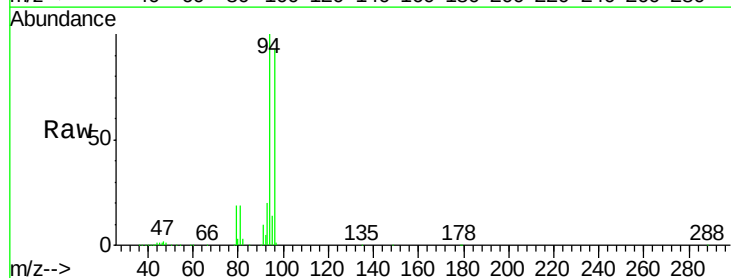
Acq: 18 Sep 2019 17:07

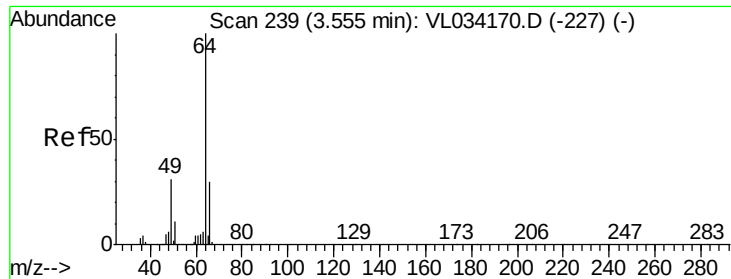
Tgt Ion: 94 Resp: 329743

Ion Ratio Lower Upper

94 100

96 93.1 71.3 106.9





#7

Chloroethane

Concen: 9.424 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tot Ion: 64 Resp: 244788

Ion Ratio Lower Upper

64 100

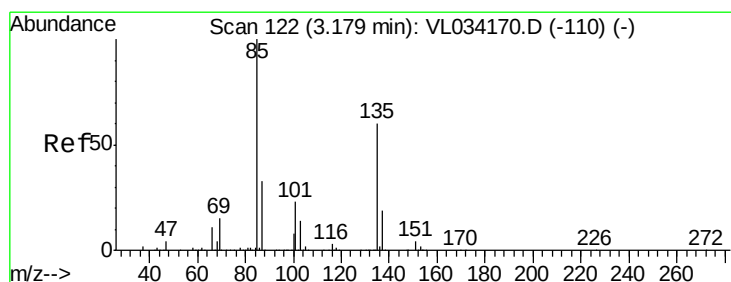
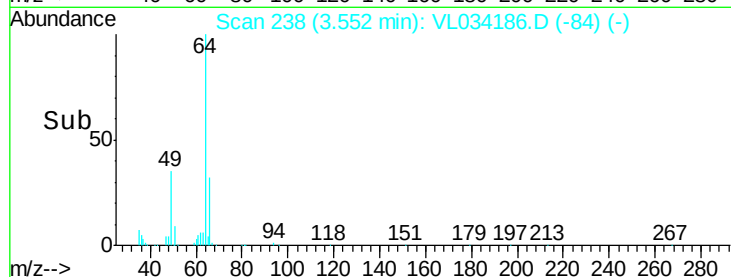
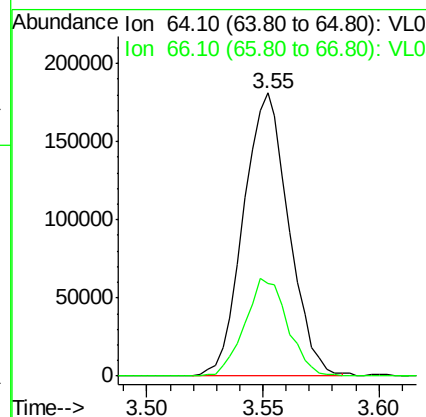
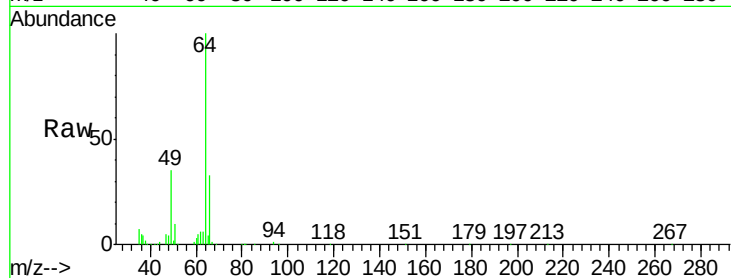
66 32.9 24.2 36.4

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#8

Dichlorotetrafluoroethane

Concen: 9.108 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL034186.D

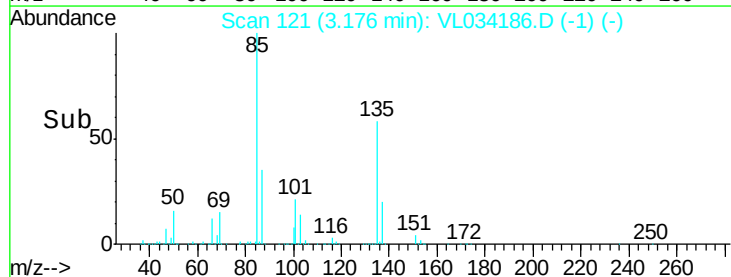
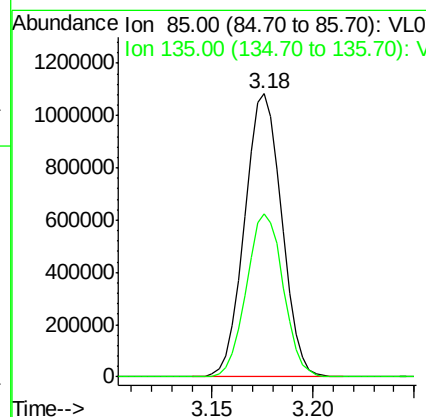
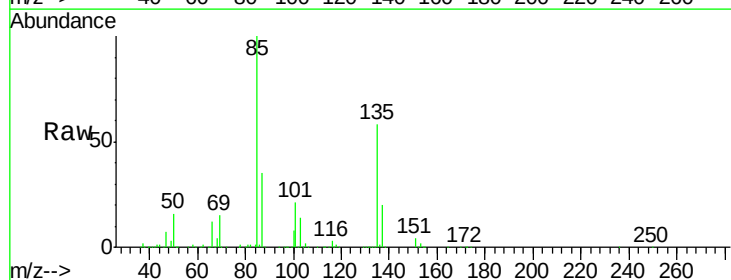
Acq: 18 Sep 2019 17:07

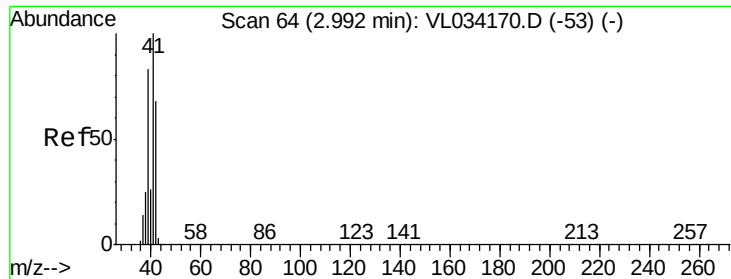
Tgt Ion: 85 Resp: 1401324

Ion Ratio Lower Upper

85 100

135 57.5 47.3 70.9





#9

Propene

Concen: 9.162 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tot Ion: 41 Resp: 625503

Ion Ratio Lower Upper

41 100

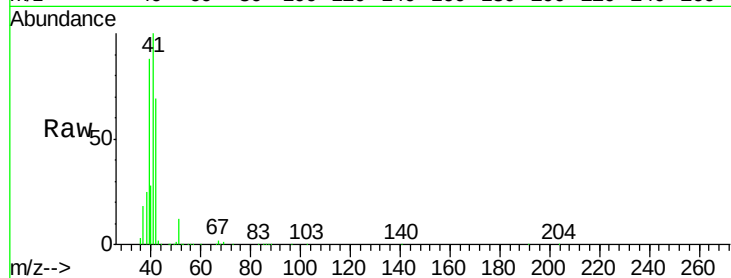
42 70.4 55.8 83.6

Manual Integrations

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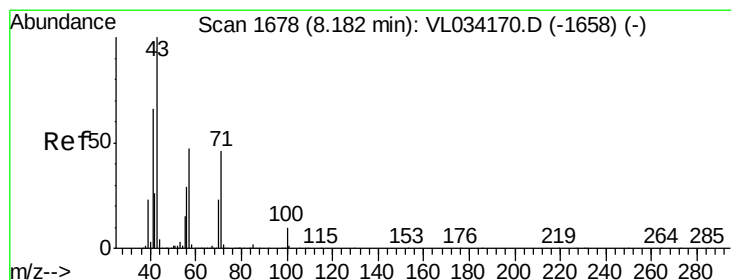
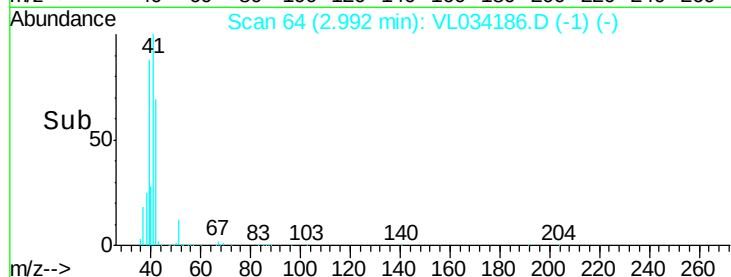
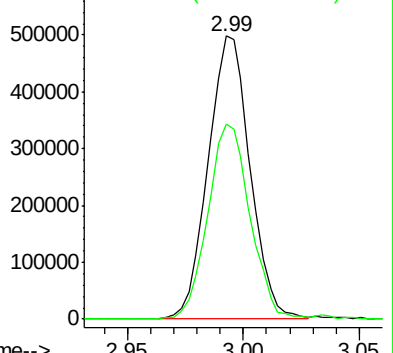
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 9.349 ppbv

RT: 8.18 min Scan# 1676

Delta R.T. -0.01 min

Lab File: VL034186.D

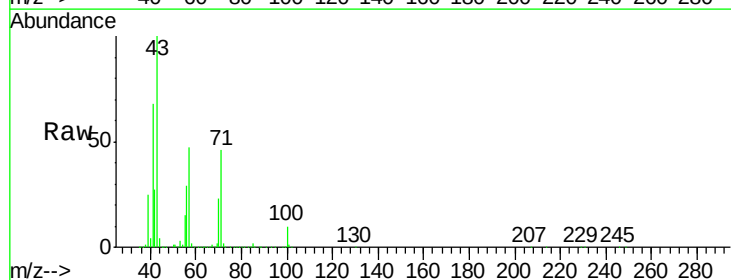
Acq: 18 Sep 2019 17:07

Tgt Ion: 43 Resp: 1663525

Ion Ratio Lower Upper

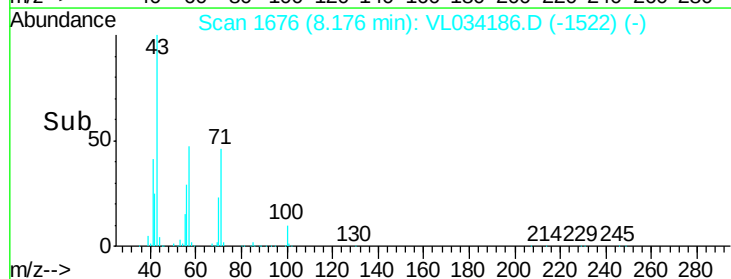
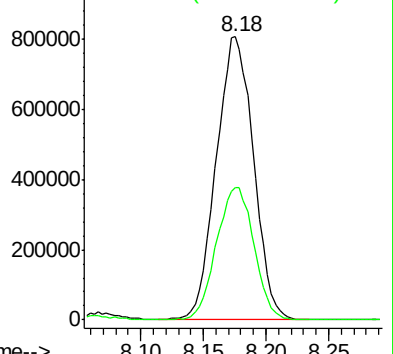
43 100

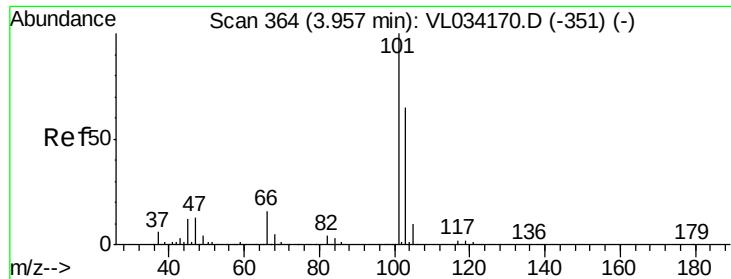
57 47.0 37.5 56.3



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





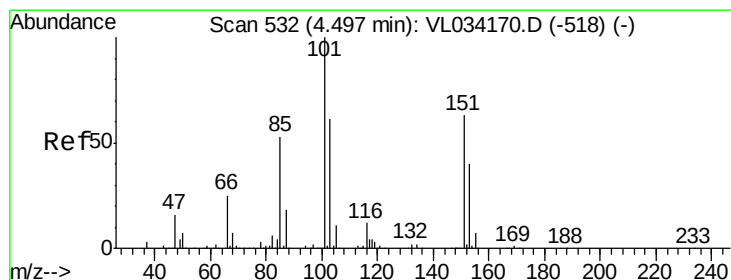
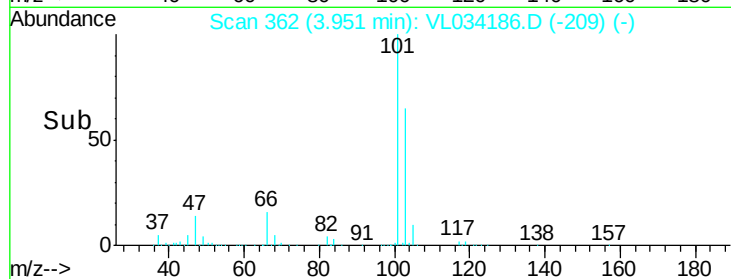
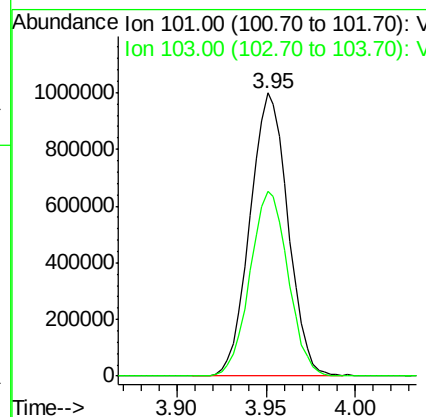
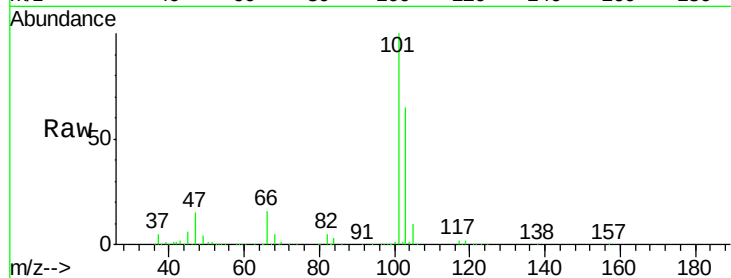
#11
 Trichlorofluoromethane
 Concen: 9.354 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Tot Ion:101 Resp: 1484340
 Ion Ratio Lower Upper
 101 100
 103 65.5 52.1 78.1

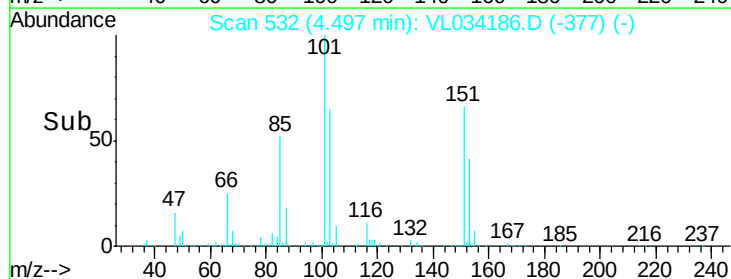
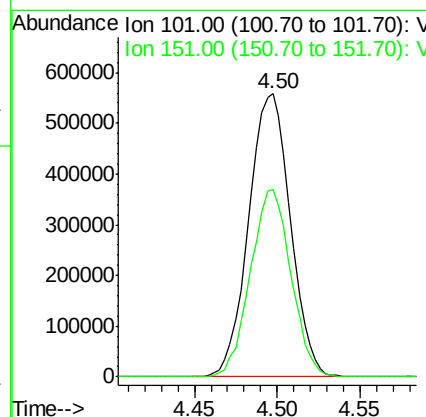
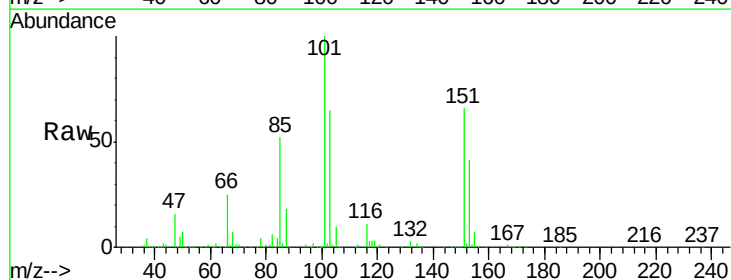
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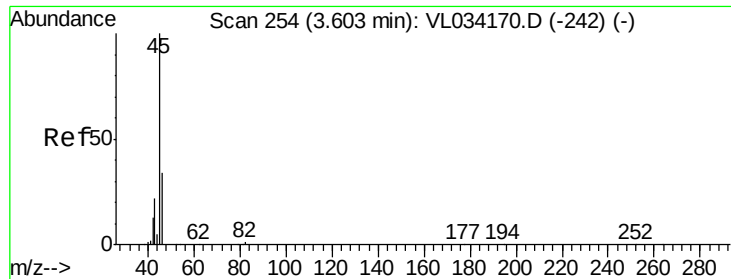
MMDadoda
 9/20/2019 12:37:15 AM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.418 ppbv
 RT: 4.50 min Scan# 532
 Delta R.T. -0.00 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion:101 Resp: 978084
 Ion Ratio Lower Upper
 101 100
 151 64.1 51.8 77.8





#13

Ethanol

Concen: 8.181 ppbv

RT: 3.60 min Scan# 254

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tot Ion: 45 Resp: 135255

Ion Ratio Lower Upper

45 100

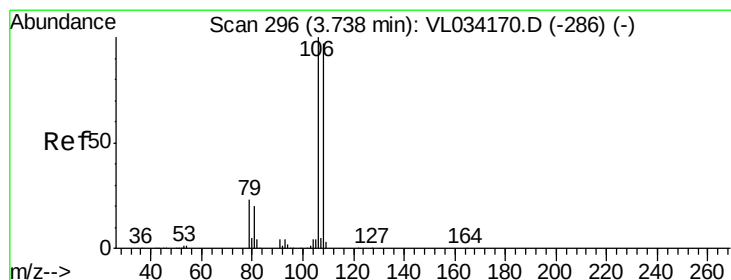
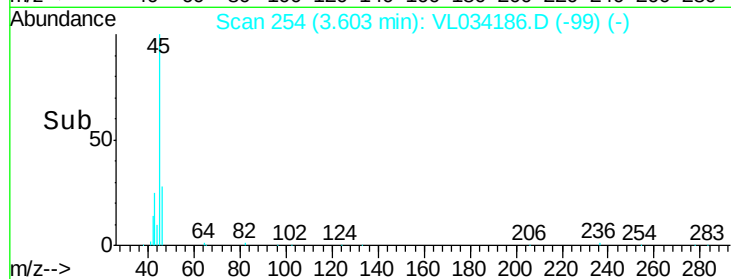
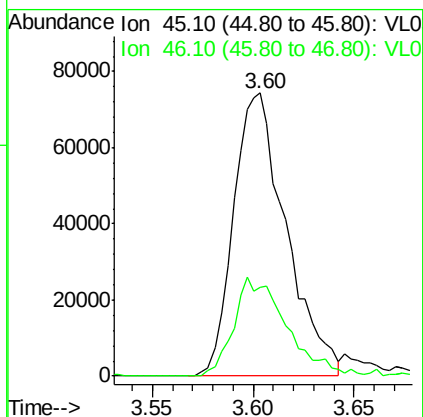
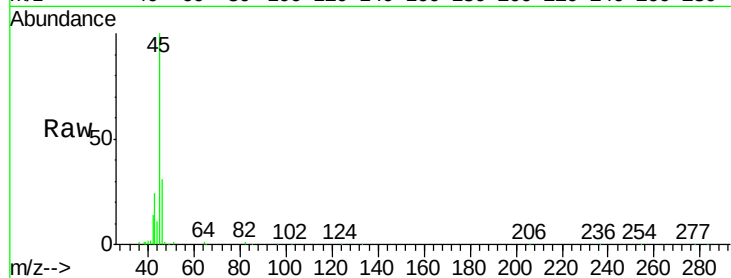
46 35.6 15.5 61.9

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#14

Bromoethene

Concen: 9.896 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

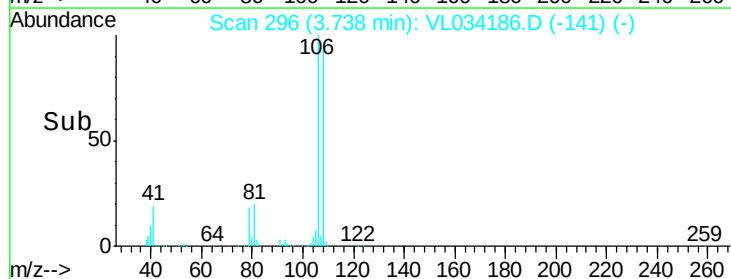
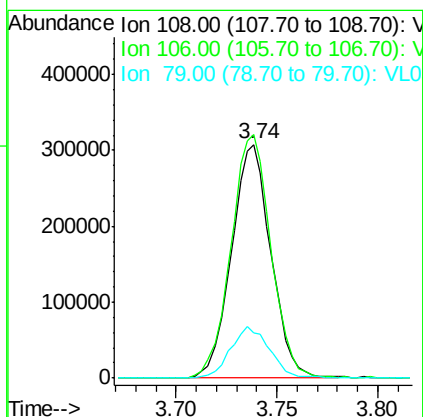
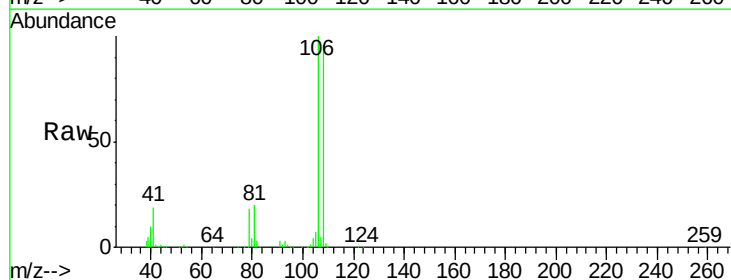
Tgt Ion: 108 Resp: 420196

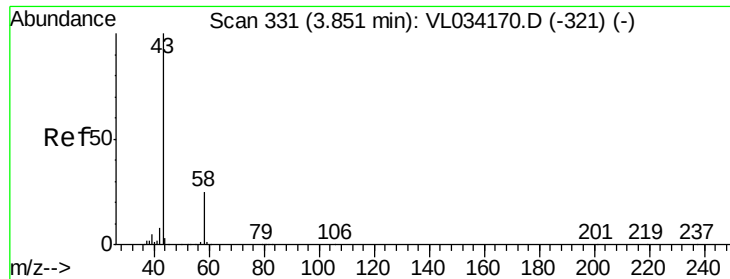
Ion Ratio Lower Upper

108 100

106 106.8 86.2 129.4

79 22.0 18.6 27.8





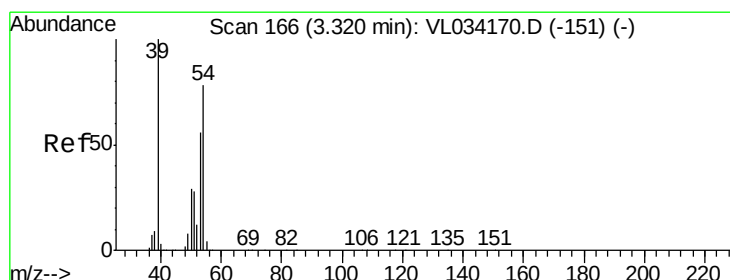
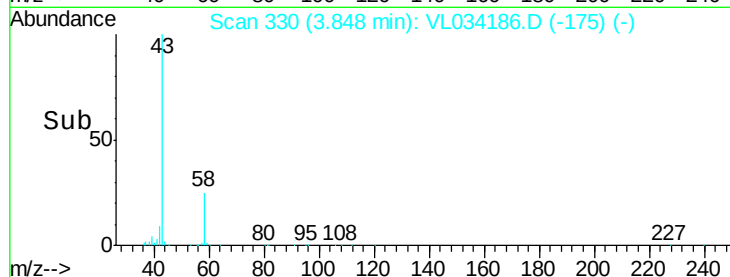
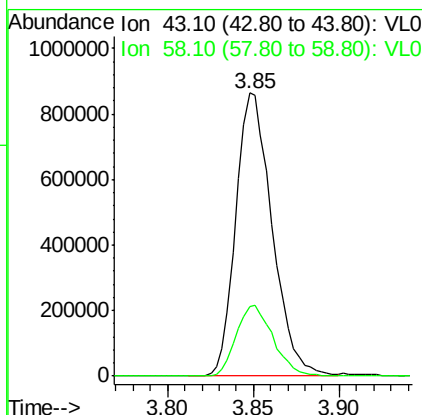
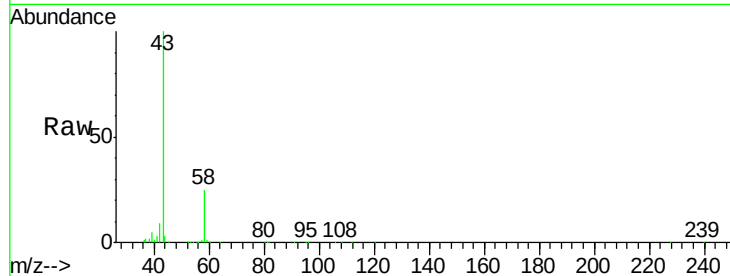
#15
Acetone
Concen: 8.026 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

Tot Ion: 43 Resp: 1269623
Ion Ratio Lower Upper
43 100
58 25.6 20.5 30.7

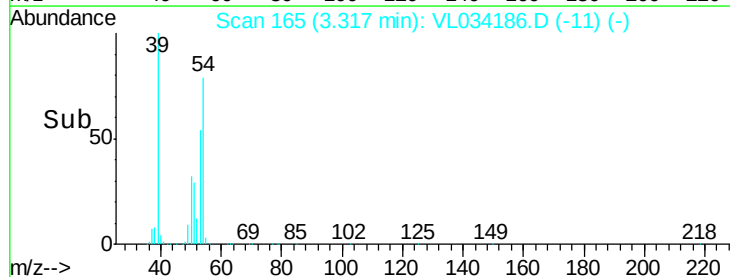
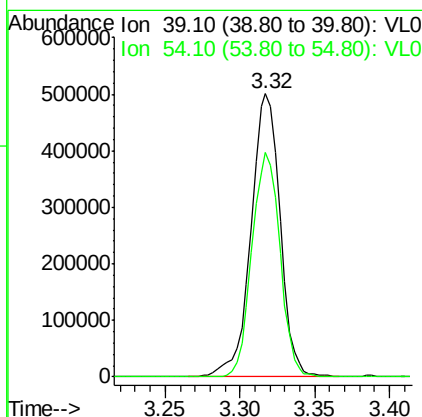
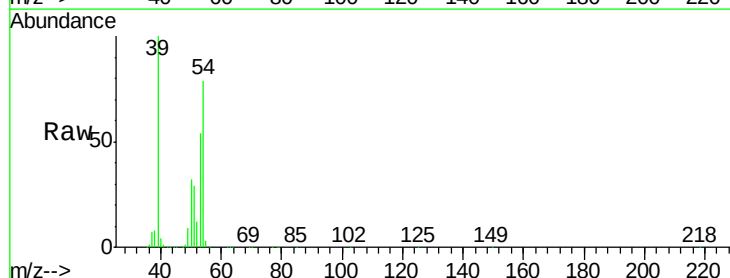
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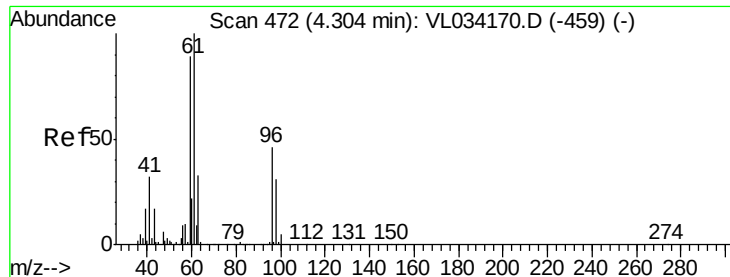
MMDadoda
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#16
1,3-Butadiene
Concen: 9.812 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion: 39 Resp: 677327
Ion Ratio Lower Upper
39 100
54 76.8 63.4 95.0





#17

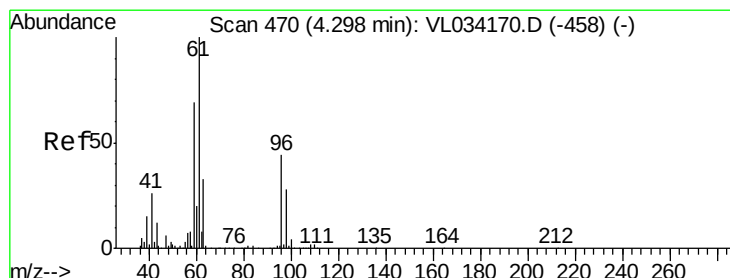
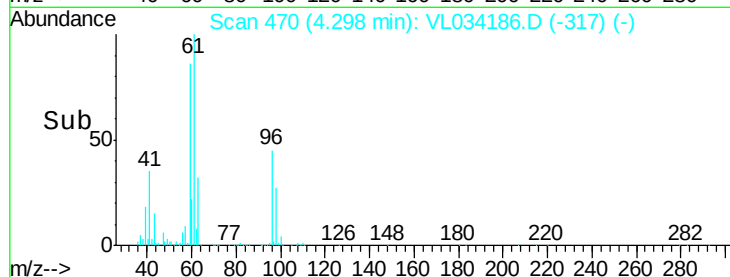
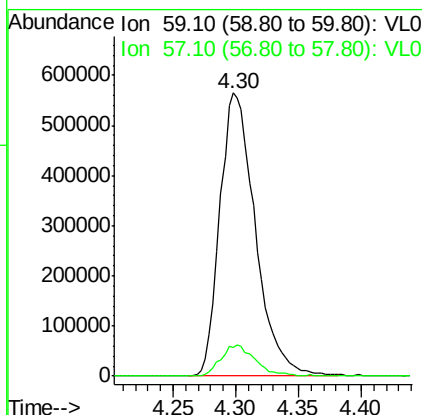
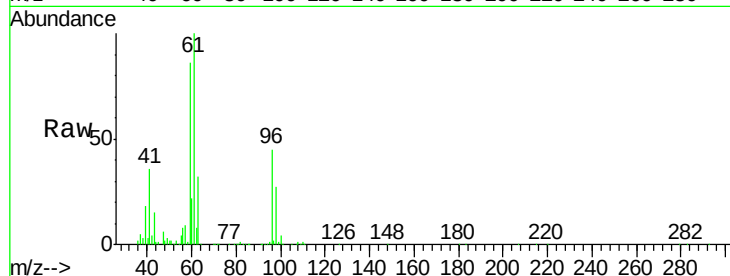
tert-Butyl alcohol
Concen: 11.067 ppbv
RT: 4.30 min Scan# 470
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

Tot Ion: 59 Resp: 1109222
Ion Ratio Lower Upper
59 100
57 10.8 8.7 13.1

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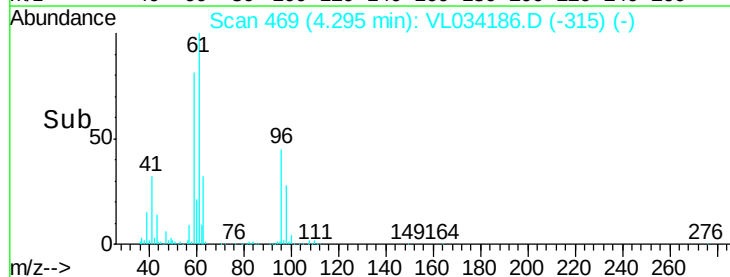
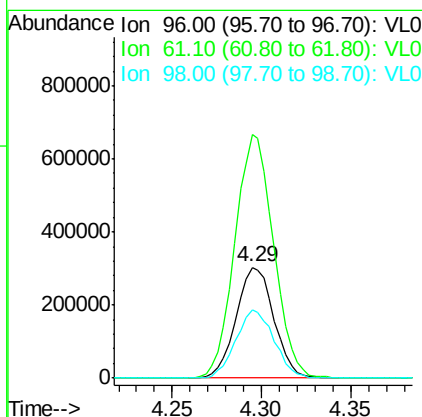
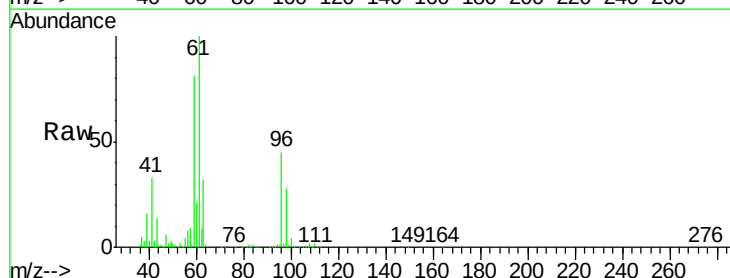
MMDadoda
9/20/2019 12:37:15 AM

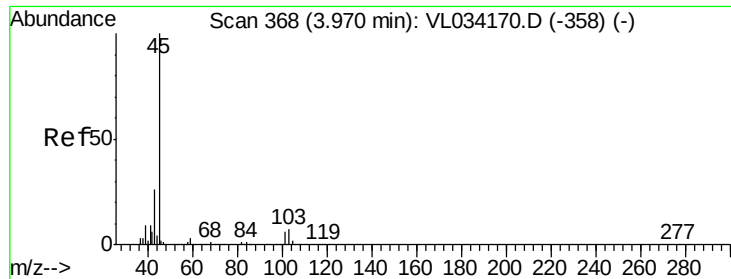


#18

1,1-Dichloroethene
Concen: 9.897 ppbv
RT: 4.29 min Scan# 469
Delta R.T. -0.00 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion: 96 Resp: 448281
Ion Ratio Lower Upper
96 100
61 220.0 183.3 274.9
98 62.1 51.4 77.2





#19

Isopropyl Alcohol

Concen: 10.415 ppbv

RT: 3.97 min Scan# 368

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tot Ion: 45 Resp: 1013067

Ion Ratio Lower Upper

45 100

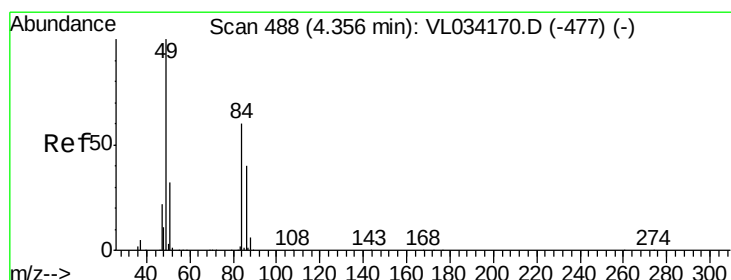
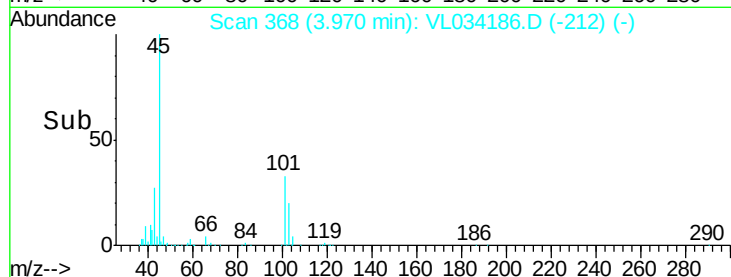
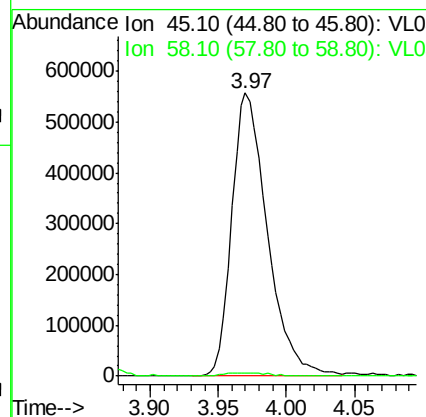
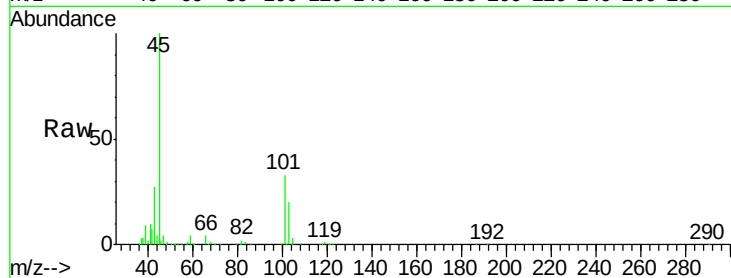
58 1.8 1.4 2.0

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#20

Methylene Chloride

Concen: 8.920 ppbv

RT: 4.35 min Scan# 487

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Tgt Ion: 84 Resp: 406826

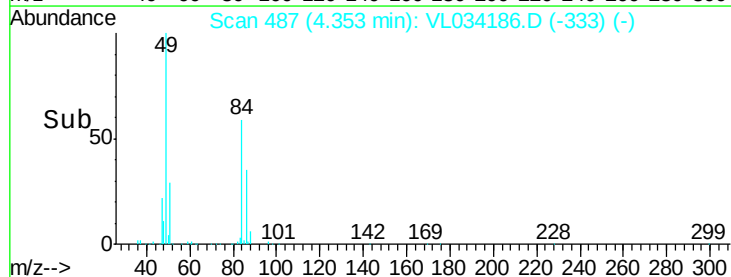
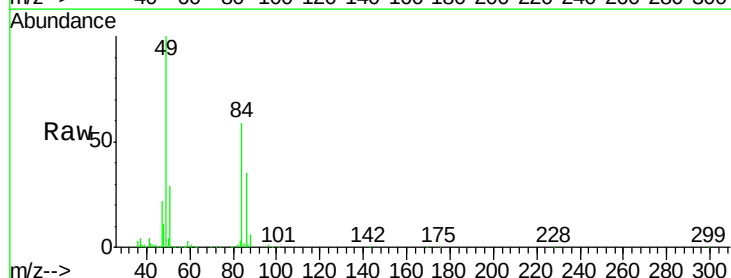
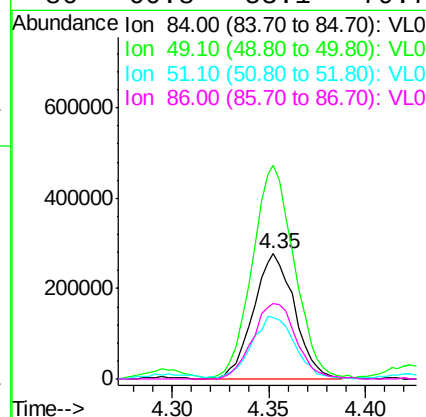
Ion Ratio Lower Upper

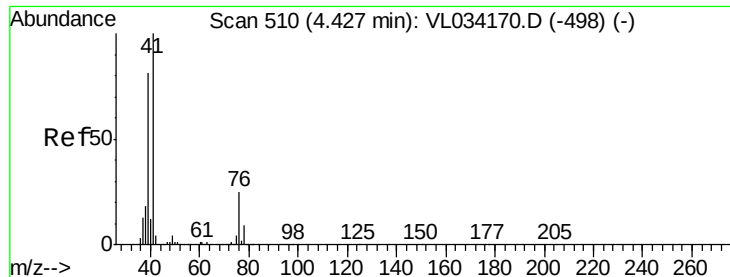
84 100

49 168.9 133.8 200.8

51 48.5 43.6 65.4

86 60.8 53.1 79.7





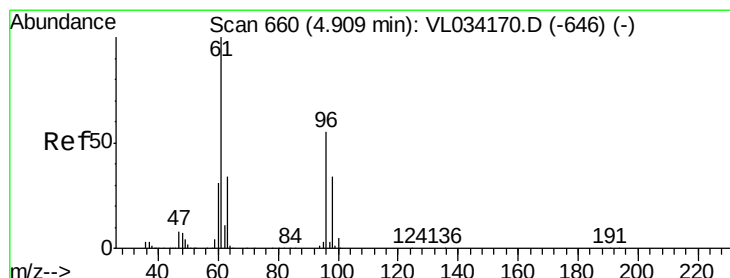
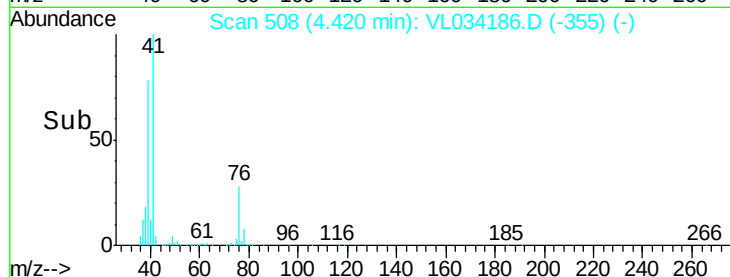
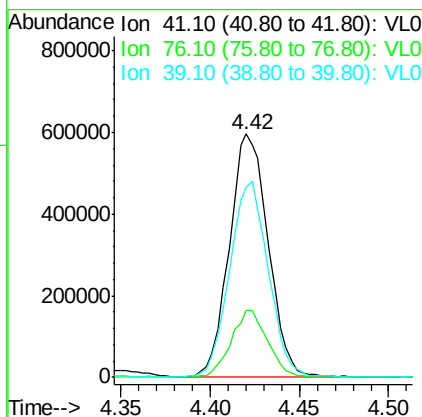
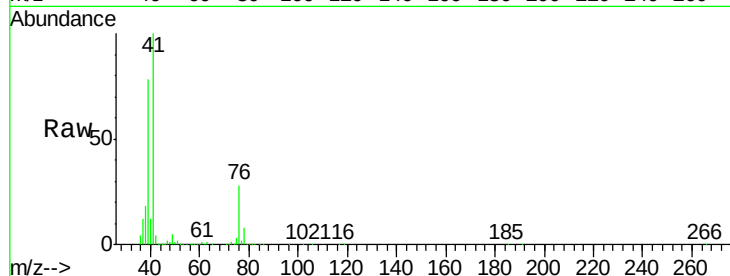
#21
Allvl Chloride
Concen: 9.994 ppbv
RT: 4.42 min Scan# 508
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

Tot Ion	Ratio	Resp	Lower	Upper
41	100	892901		
76	26.2		21.8	32.6
39	80.7		64.8	97.2

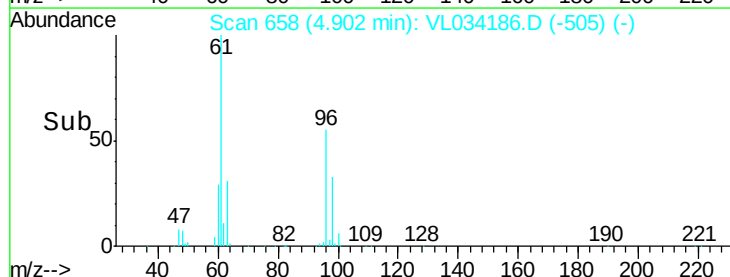
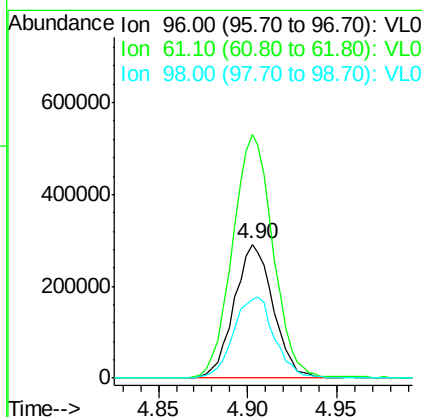
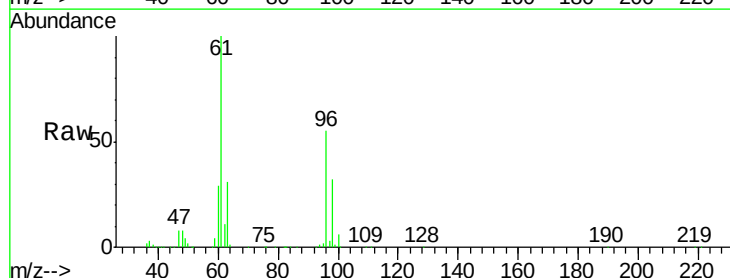
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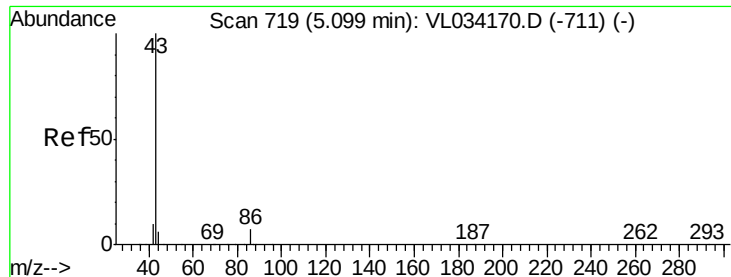
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.818 ppbv
RT: 4.90 min Scan# 658
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	444965		
61	181.9		145.5	218.3
98	58.9		49.9	74.9





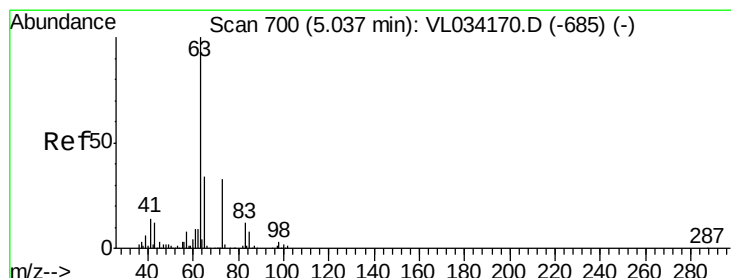
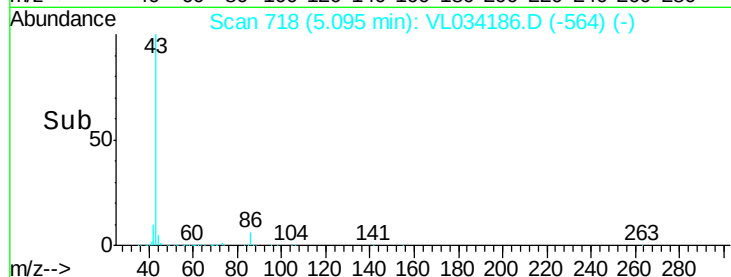
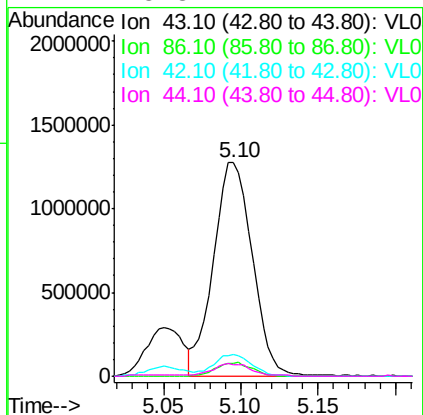
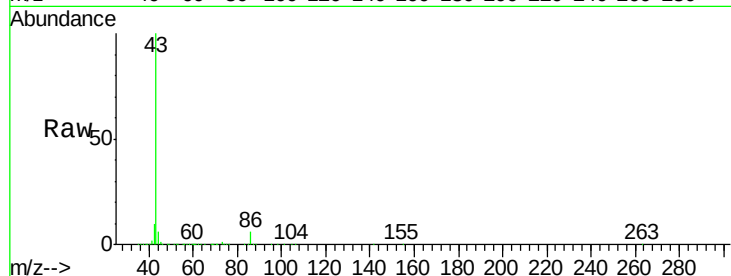
#23
 Vinyl Acetate
 Concen: 9.547 ppbv
 RT: 5.10 min Scan# 718
 Delta R.T. -0.00 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.1	7.7
42	10.5	8.6	12.8
44	5.3	4.7	7.1

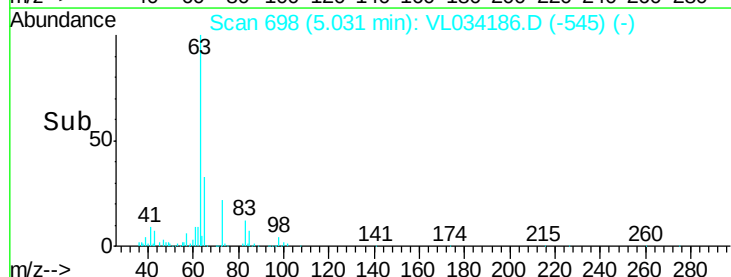
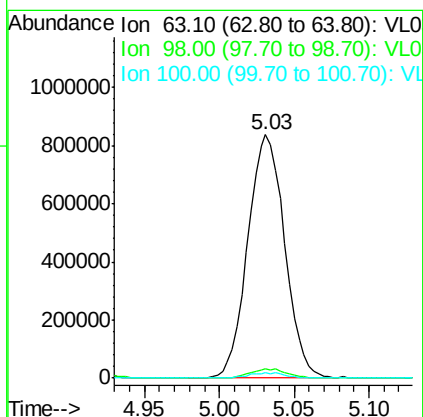
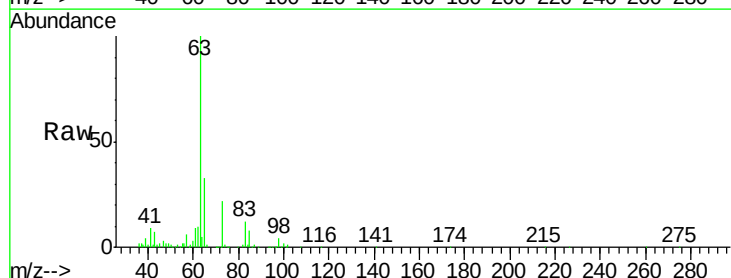
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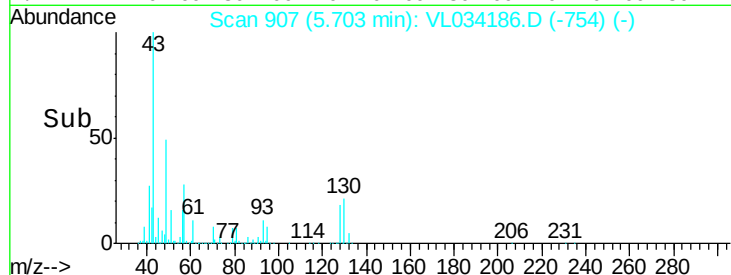
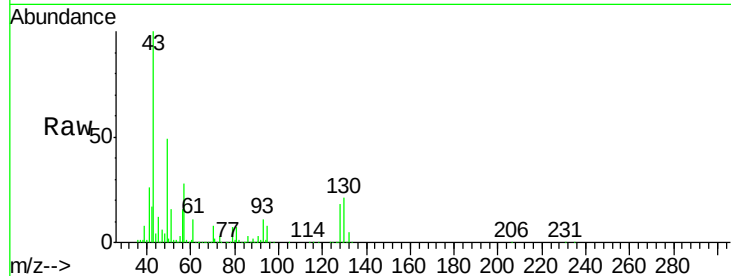
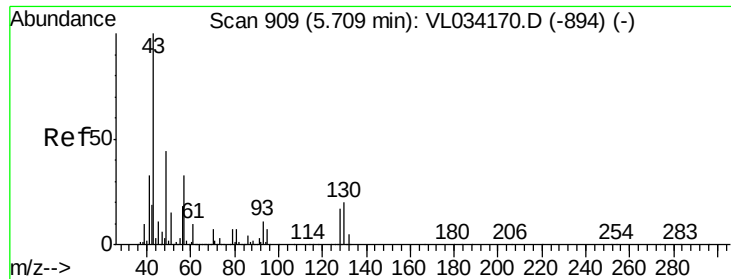
MMDadoda
 9/20/2019 12:37:15 AM



#24
 1,1-Dichloroethane
 Concen: 9.156 ppbv
 RT: 5.03 min Scan# 698
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.0	1.8	5.3
100	2.3	1.0	3.0





#25

Ethyl Acetate

Concen: 8.954 ppbv

RT: 5.70 min Scan# 907

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Tot Ion: 43 Resp: 2678448

Ion Ratio Lower Upper

43 100

45 10.1 8.4 12.6

61 8.9 7.2 10.8

70 6.7 5.3 7.9

Instrument :

MSVOA_L

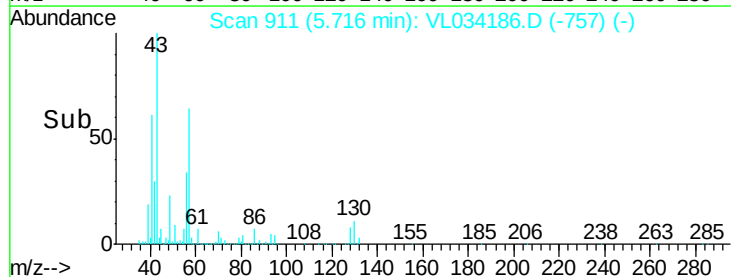
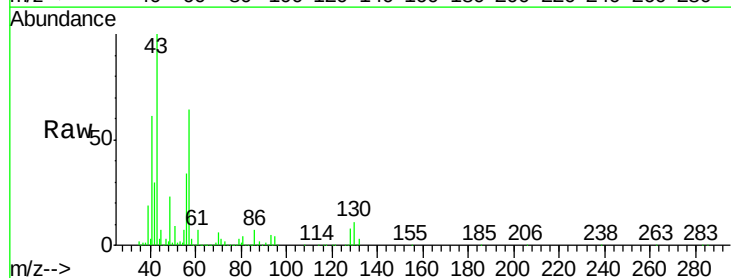
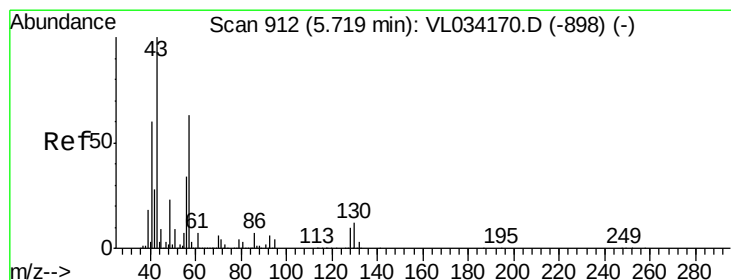
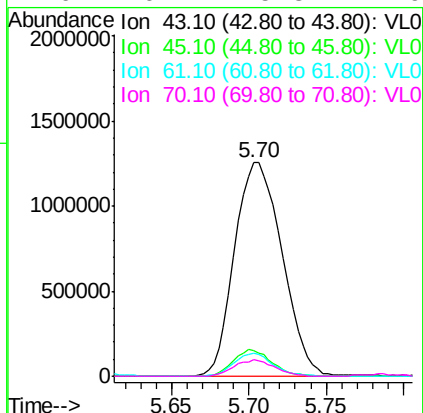
ClientSampleId :

VL0918ABS01

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#26

Hexane

Concen: 9.050 ppbv

RT: 5.72 min Scan# 911

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Tgt Ion: 57 Resp: 1126080

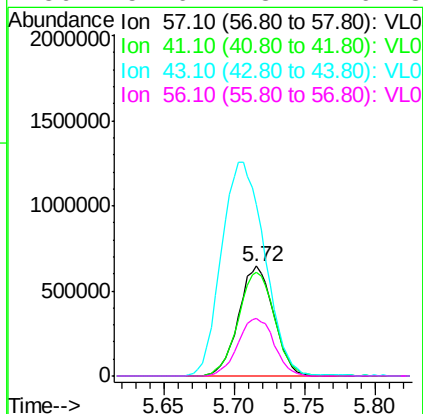
Ion Ratio Lower Upper

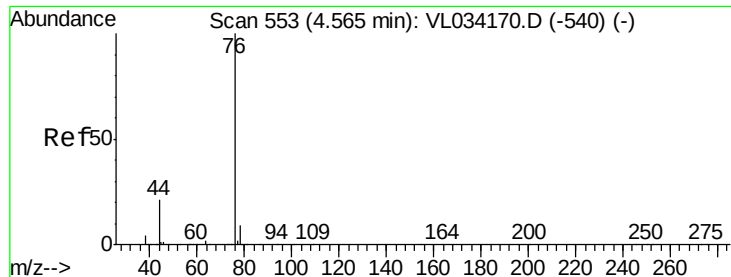
57 100

41 98.0 78.5 117.7

43 239.4 189.5 284.3

56 54.6 43.2 64.8





#27

Carbon Disulfide

Concen: 10.492 ppbv

RT: 4.56 min Scan# 553

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tot Ion: 76 Resp: 1204066

Ion Ratio Lower Upper

76 100

44 21.8 17.6 26.4

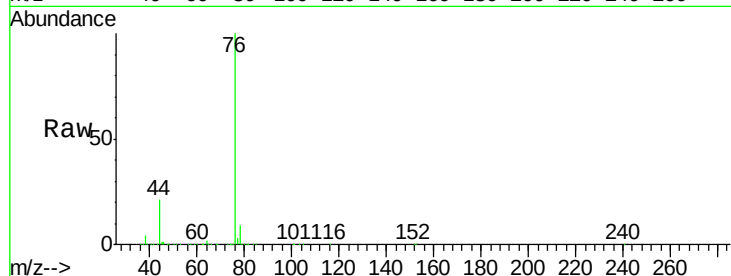
78 9.4 7.6 11.4

Manual Integrations

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MMDadoda

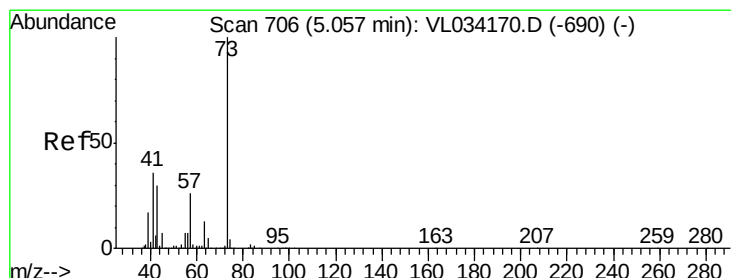
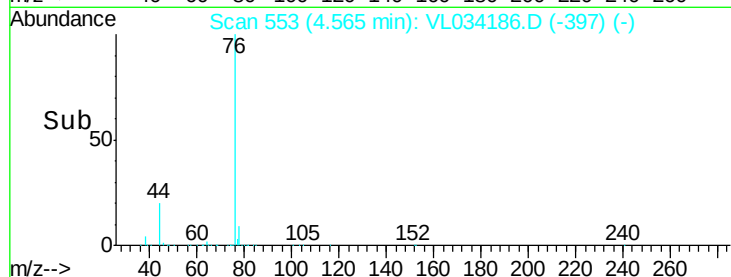
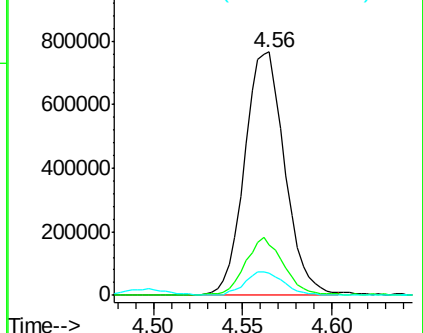
9/20/2019 12:37:15 AM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.470 ppbv

RT: 5.05 min Scan# 704

Delta R.T. -0.01 min

Lab File: VL034186.D

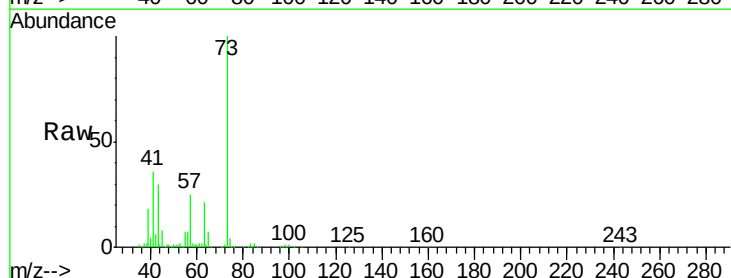
Acq: 18 Sep 2019 17:07

Tgt Ion: 73 Resp: 1750014

Ion Ratio Lower Upper

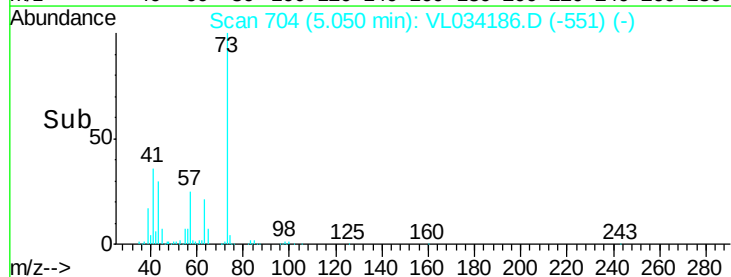
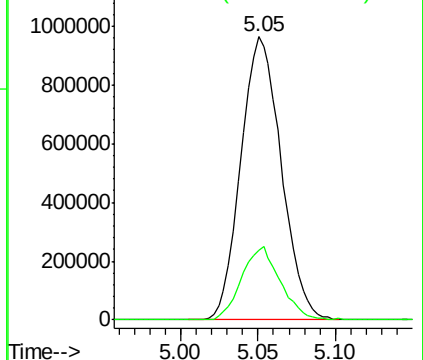
73 100

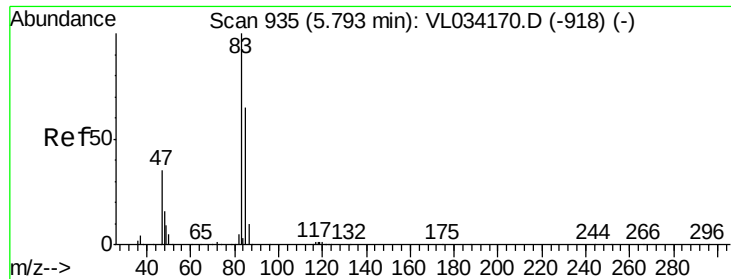
57 25.0 20.2 30.2



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 9.392 ppbv

RT: 5.79 min Scan# 933

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tot Ion: 83 Resp: 1670045

Ion Ratio Lower Upper

83 100

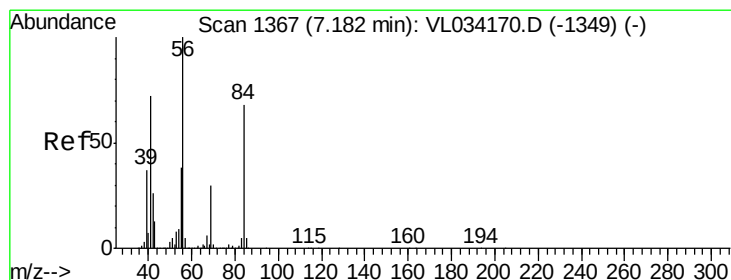
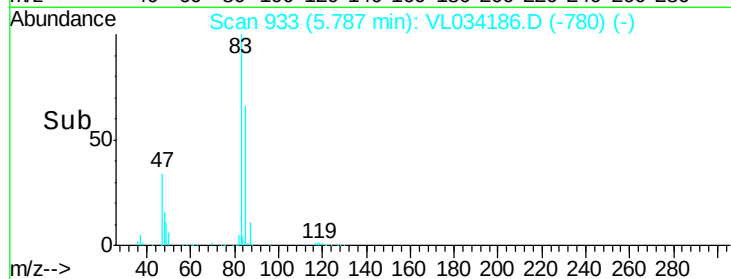
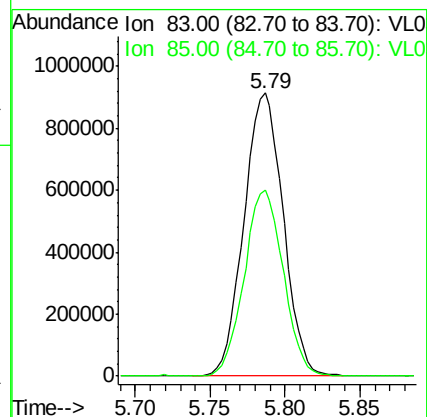
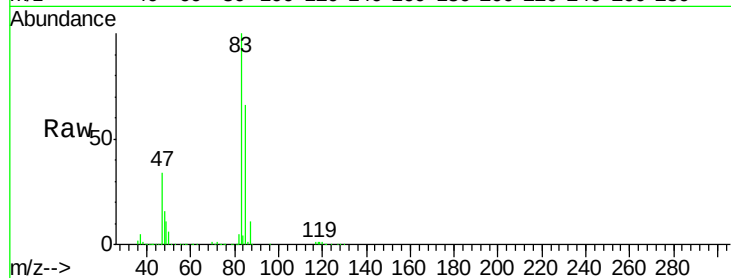
85 65.7 52.3 78.5

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#30

Cyclohexane

Concen: 9.481 ppbv

RT: 7.18 min Scan# 1366

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

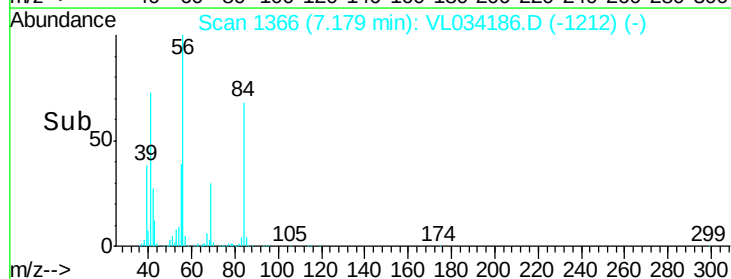
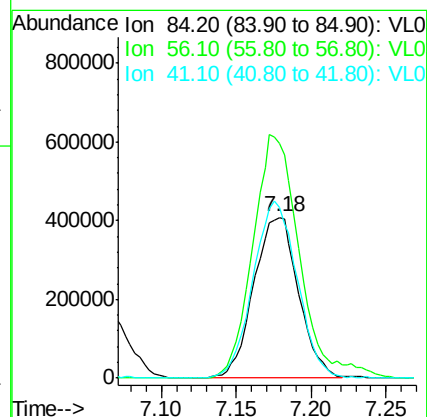
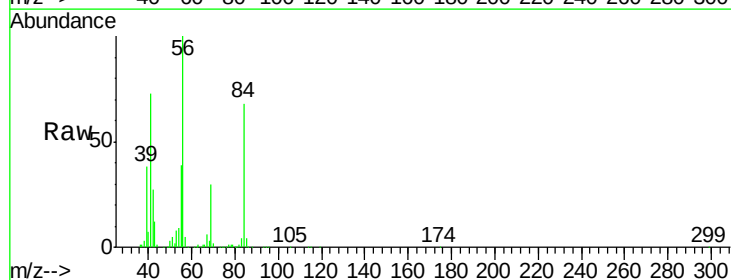
Tgt Ion: 84 Resp: 851739

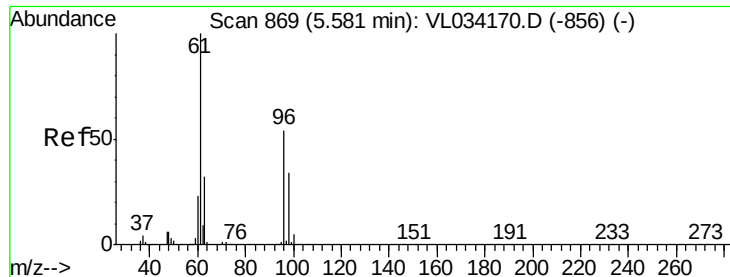
Ion Ratio Lower Upper

84 100

56 157.8 126.2 189.2

41 108.1 85.8 128.8





#31

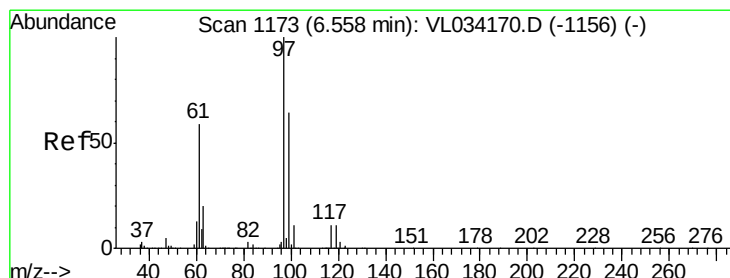
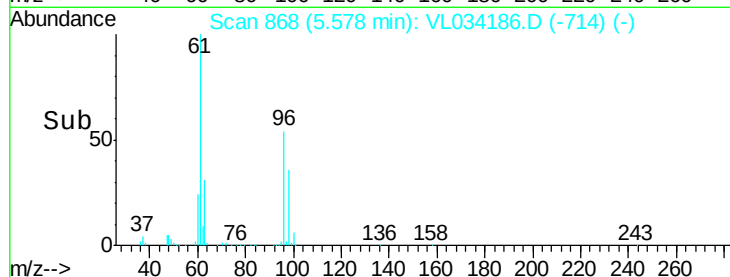
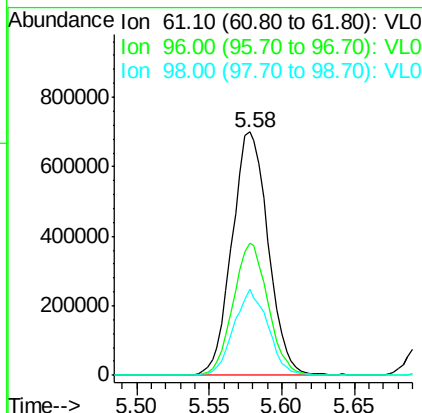
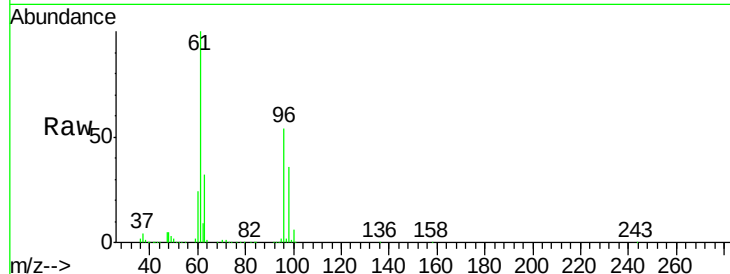
cis-1,2-Dichloroethene
Concen: 9.541 ppbv
RT: 5.58 min Scan# 868
Delta R.T. -0.00 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	54.2	43.0	64.4
98	35.6	27.2	40.8

Manual Integrations
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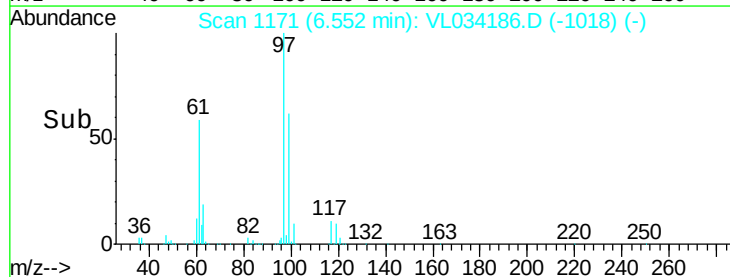
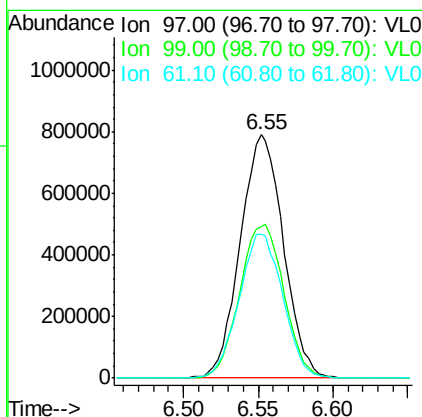
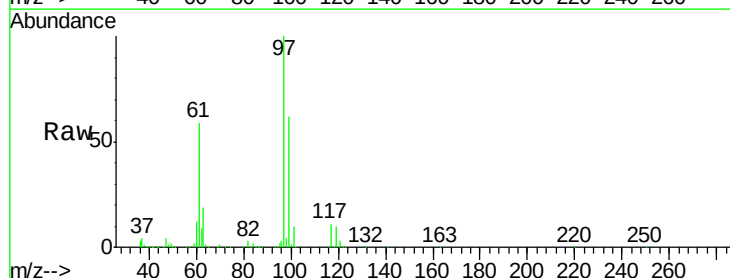
MMDadoda
9/20/2019 12:37:15 AM

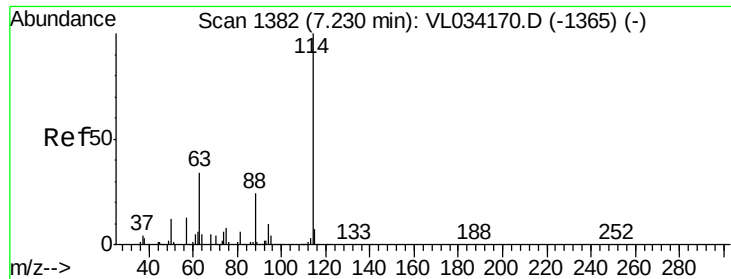


#32

1,1,1-Trichloroethane
Concen: 9.244 ppbv
RT: 6.55 min Scan# 1171
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.8	51.4	77.2
61	60.2	48.4	72.6





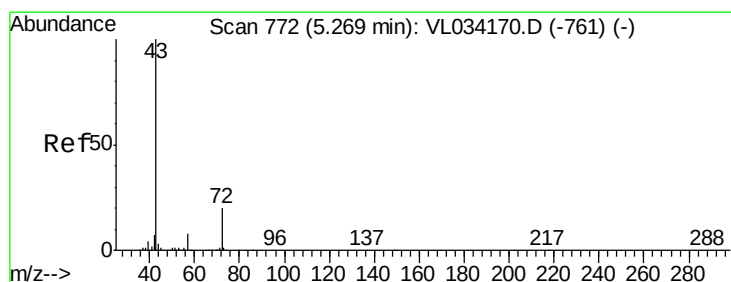
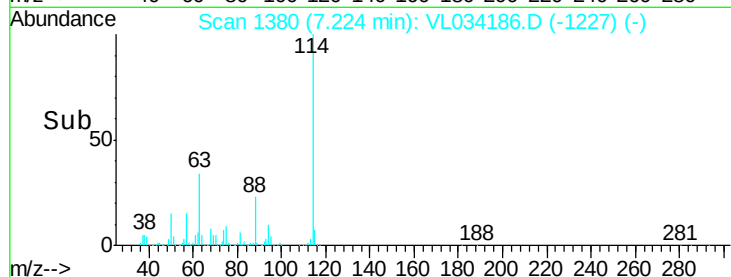
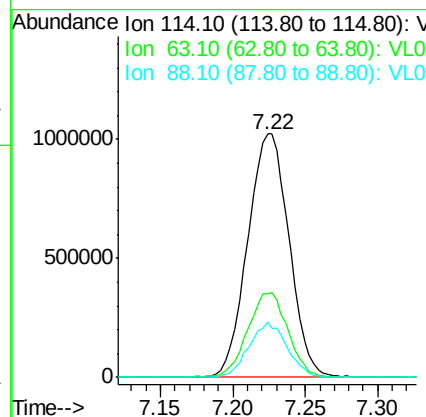
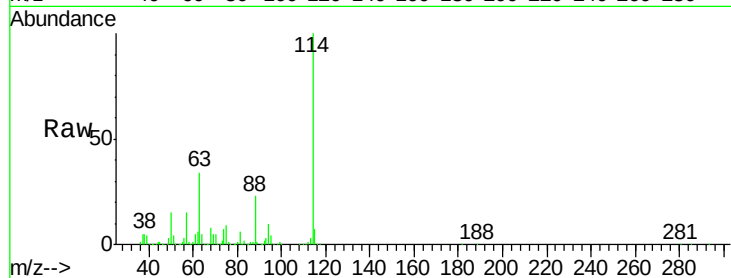
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1380
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	34.4	27.8	41.6
88	21.0	17.1	25.7

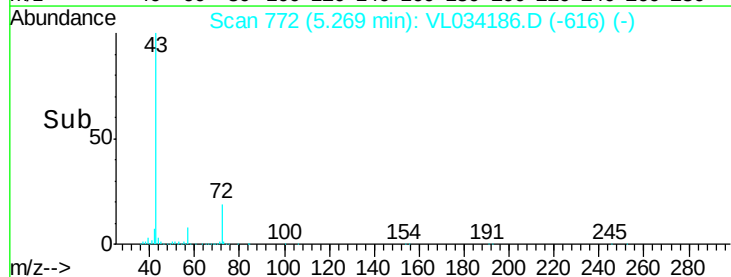
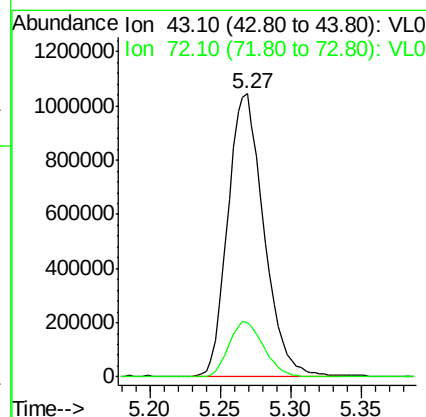
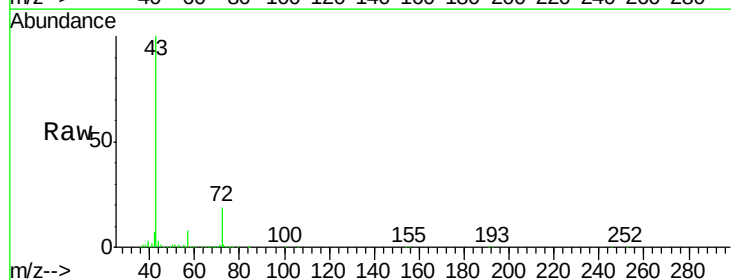
Manual Integrations
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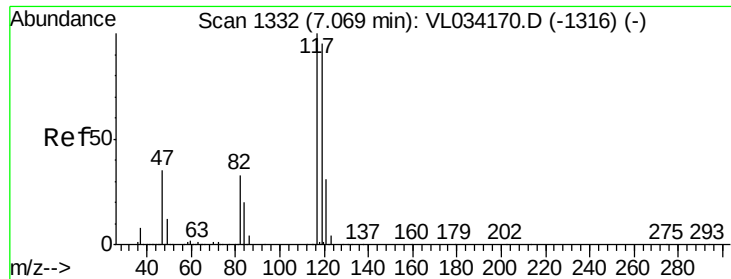
MMDadoda
 9/20/2019 12:37:15 AM



#34
 2-Butanone
 Concen: 8.983 ppbv
 RT: 5.27 min Scan# 772
 Delta R.T. -0.00 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
43	100		
72	19.2	15.0	22.6





#35

Carbon Tetrachloride

Concen: 9.387 ppbv

RT: 7.07 min Scan# 1331

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tot Ion: 117 Resp: 1581840

Ion Ratio Lower Upper

117 100

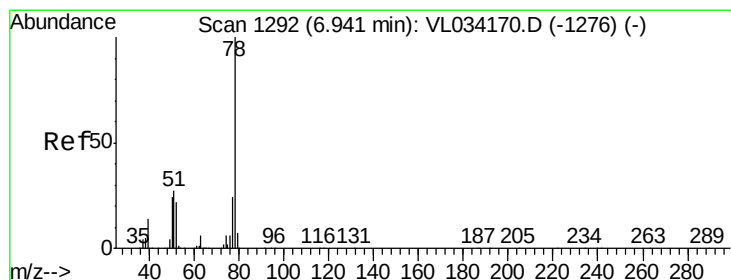
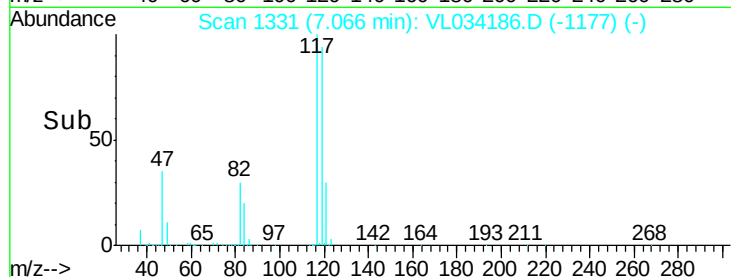
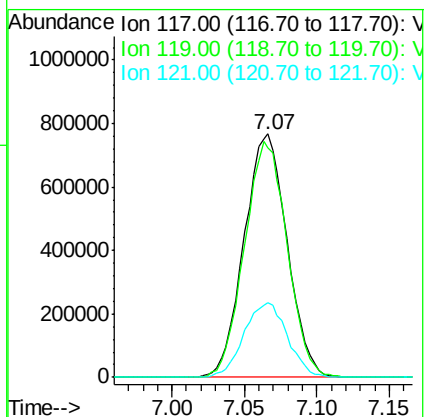
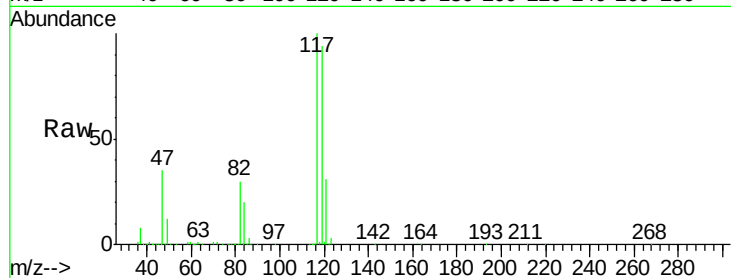
119 94.5 75.8 113.6

121 30.5 25.0 37.6

Manual Integrations
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#36

Benzene

Concen: 9.256 ppbv

RT: 6.94 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

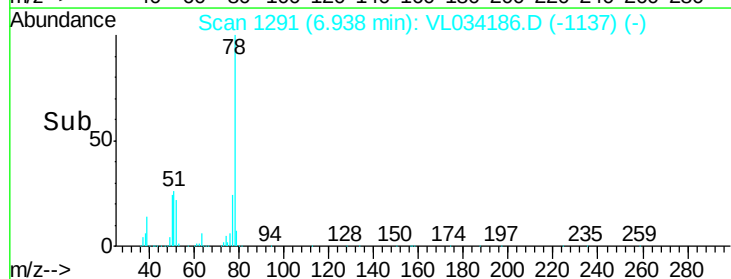
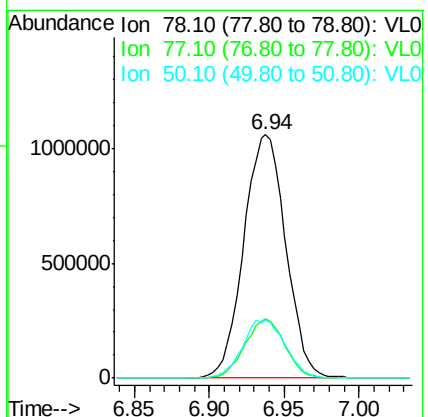
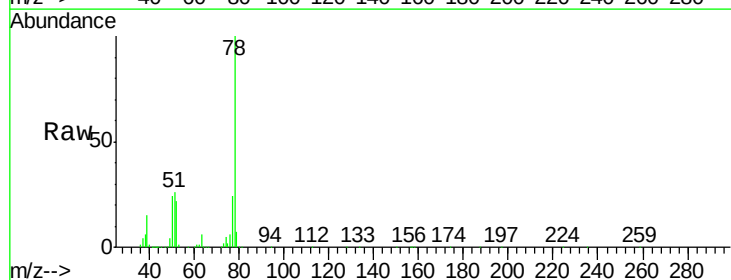
Tgt Ion: 78 Resp: 2073555

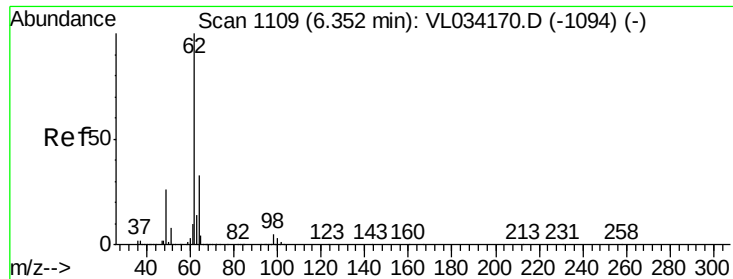
Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.4

50 24.0 18.9 28.3





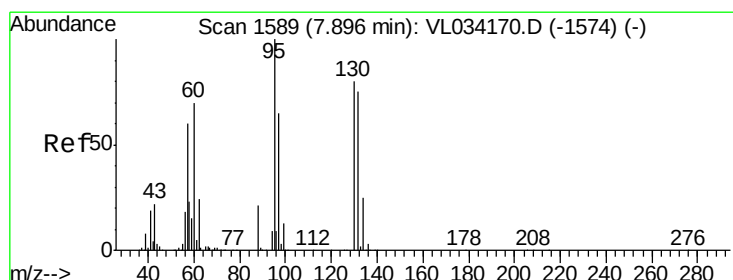
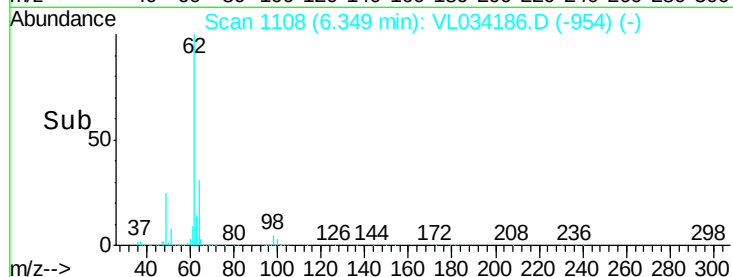
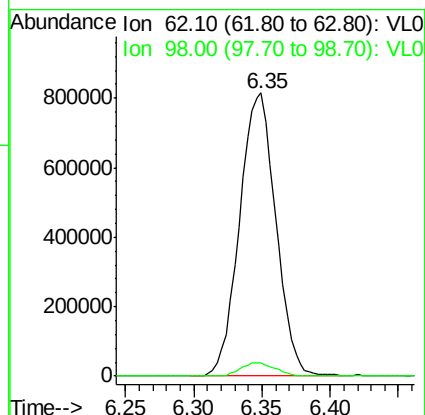
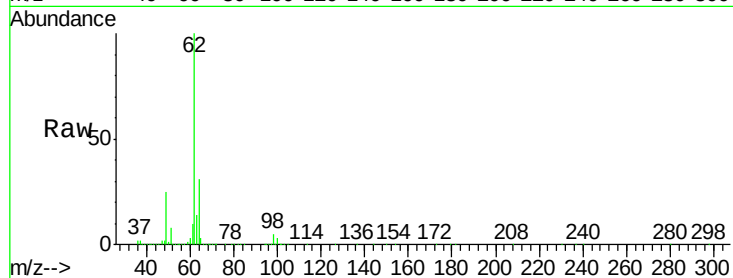
#37
 1,2-Dichloroethane
 Concen: 9.439 ppbv
 RT: 6.35 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Tot Ion: 62 Resp: 1503983
 Ion Ratio Lower Upper
 62 100
 98 4.7 3.8 5.8

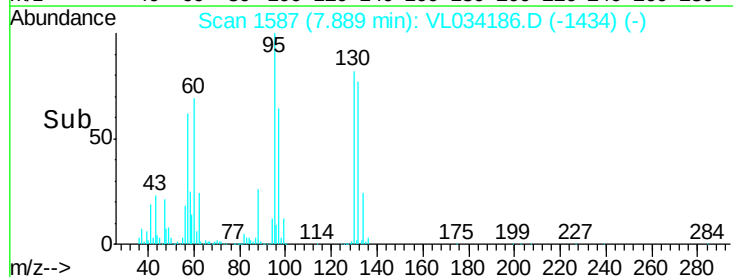
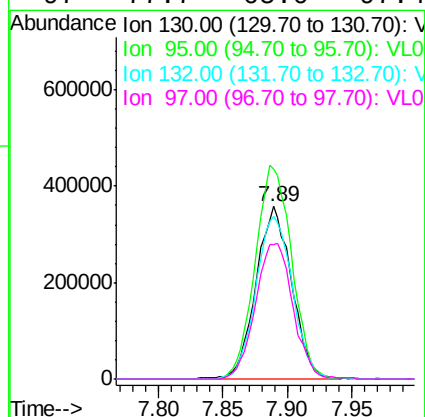
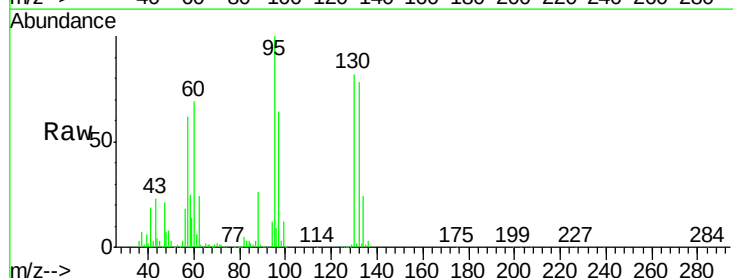
Manual Integrations
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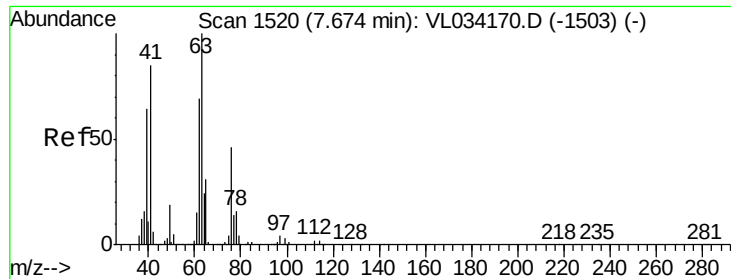
MMDadoda
 9/20/2019 12:37:15 AM



#38
 Trichloroethene
 Concen: 8.549 ppbv
 RT: 7.89 min Scan# 1587
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion:130 Resp: 684281
 Ion Ratio Lower Upper
 130 100
 95 121.7 99.8 149.6
 132 94.3 75.2 112.8
 97 77.7 65.0 97.4





#39

1,2-Dichloropropane

Concen: 9.044 ppbv

RT: 7.67 min Scan# 1518

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

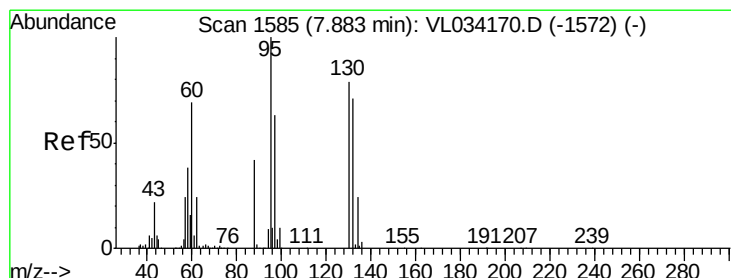
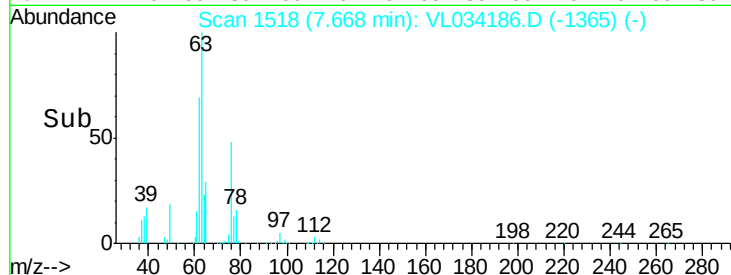
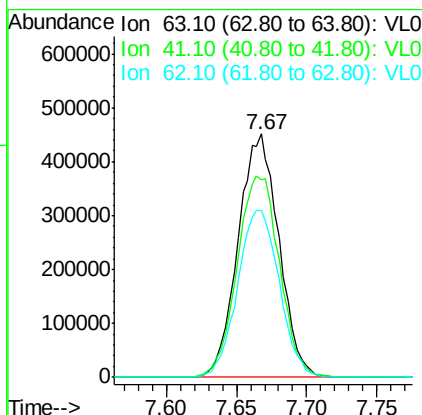
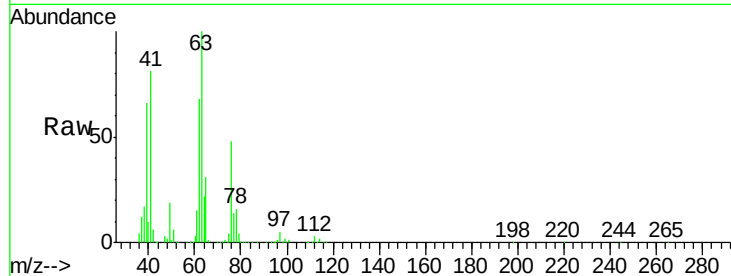
ClientSampleId :

VL0918ABS01

Tot Ion:	63	Resp:	910334
Ion	Ratio	Lower	Upper
63	100		
41	81.2	68.4	102.6
62	68.2	55.4	83.2

Manual Integrations
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#40

1,4-Dioxane

Concen: 9.122 ppbv

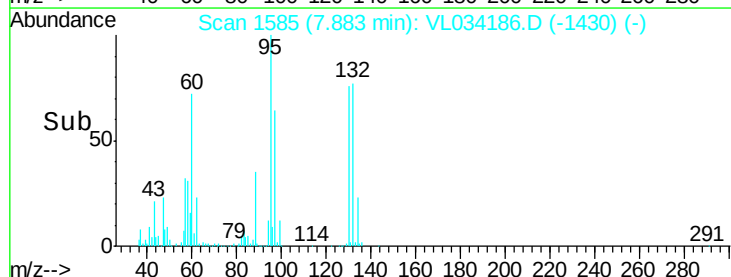
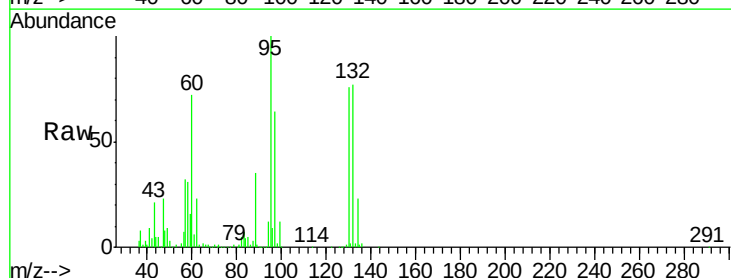
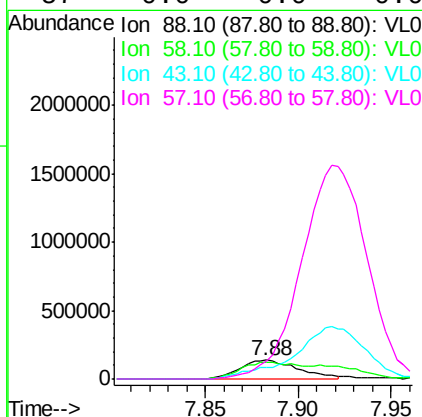
RT: 7.88 min Scan# 1585

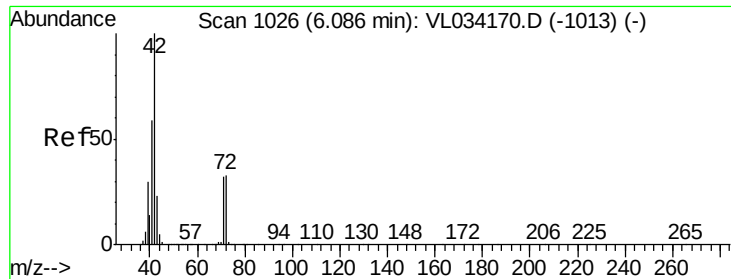
Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Tgt Ion:	88	Resp:	297125
Ion	Ratio	Lower	Upper
88	100		
58	156.5	131.8	197.6
43	0.0	0.0	0.0
57	0.0	0.0	0.0





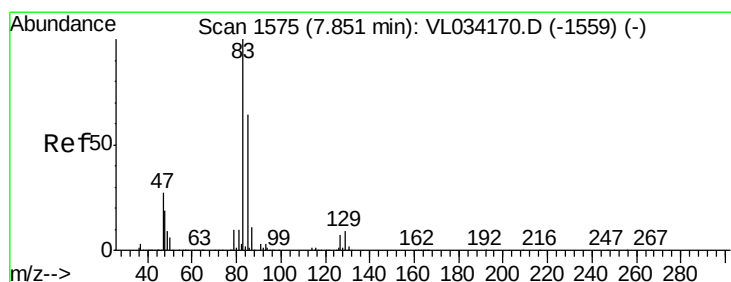
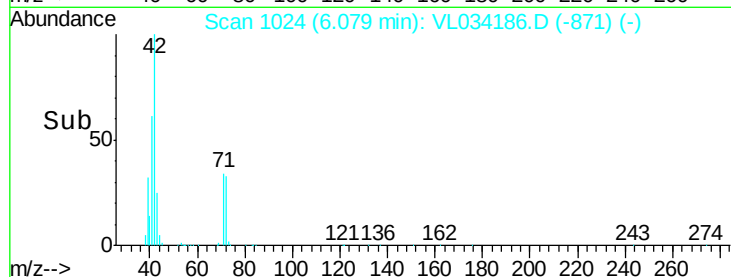
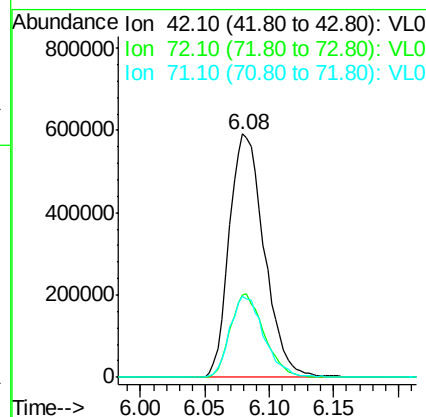
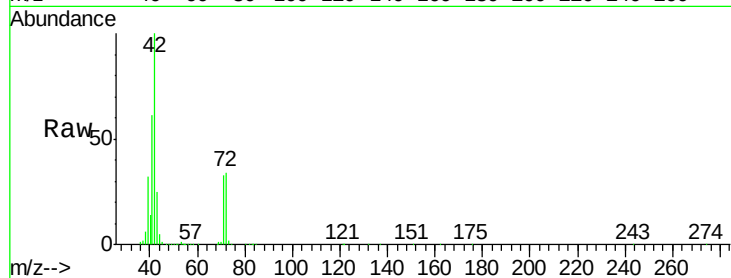
#41
Tetrahydrofuran
Concen: 9.555 ppbv
RT: 6.08 min Scan# 1024
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	33.2	26.6	40.0
71	32.5	25.1	37.7

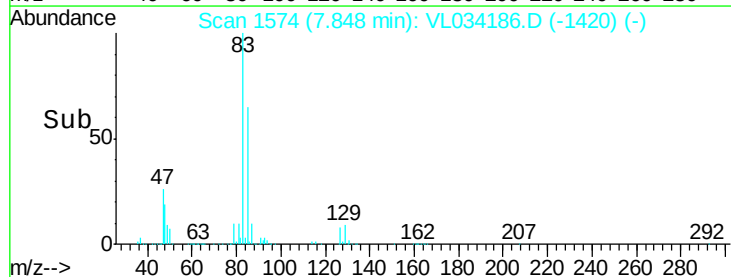
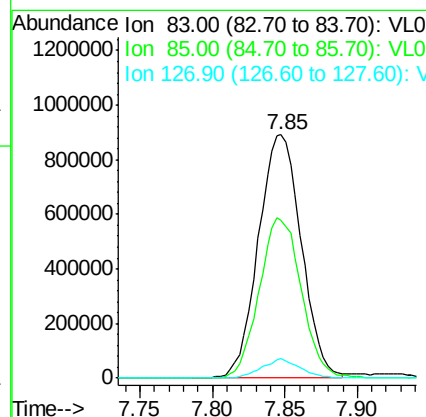
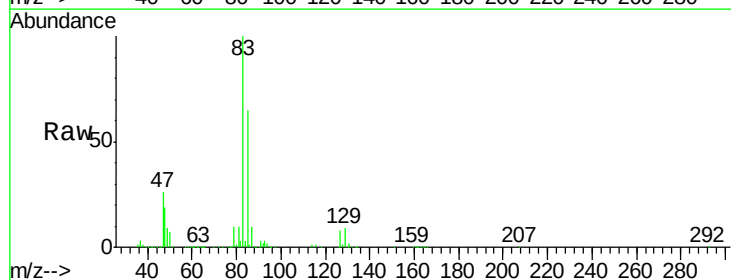
Manual Integrations
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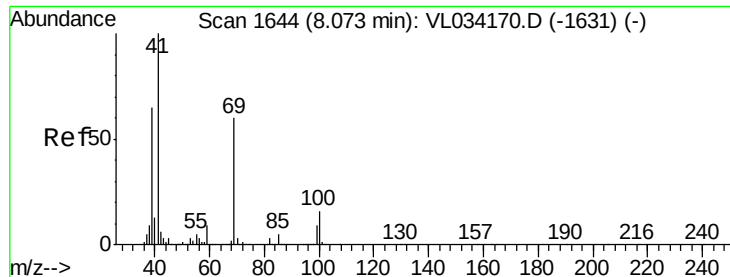
MMDadoda
9/20/2019 12:37:15 AM



#42
Bromodichloromethane
Concen: 9.602 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.0
127	8.3	5.5	8.3#





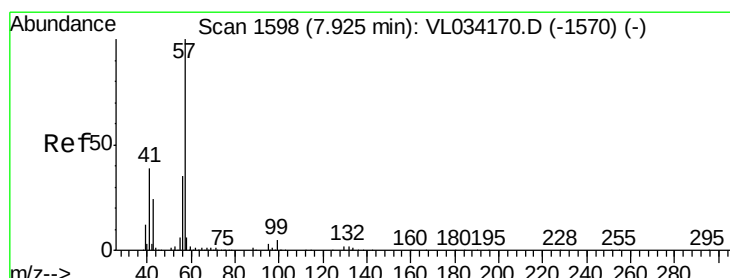
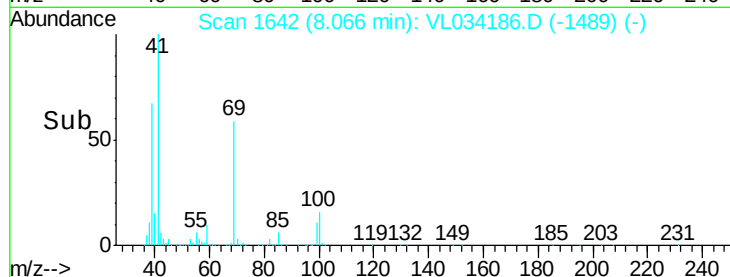
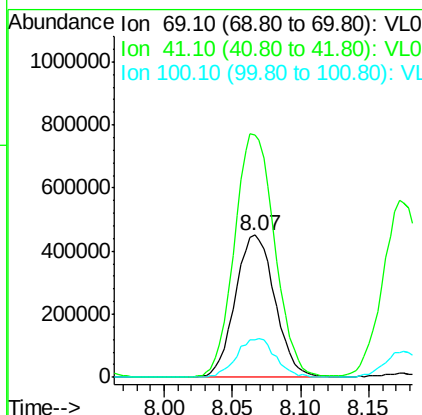
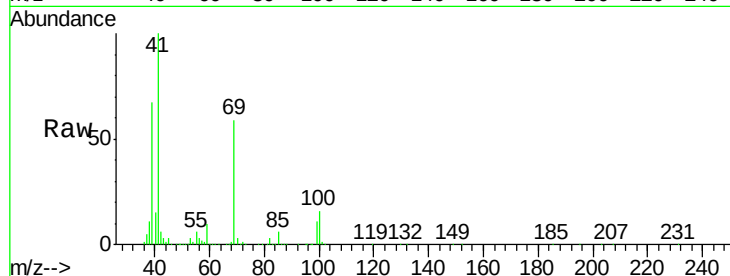
#43
Methyl Methacrylate
Concen: 9.813 ppbv
RT: 8.07 min Scan# 1642
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Instrument :
MSVOA_L
ClientSampled :
VL0918ABS01

Tot Ion	Ratio	Lower	Upper
69	100		
41	174.0	140.4	210.6
100	26.8	21.9	32.9

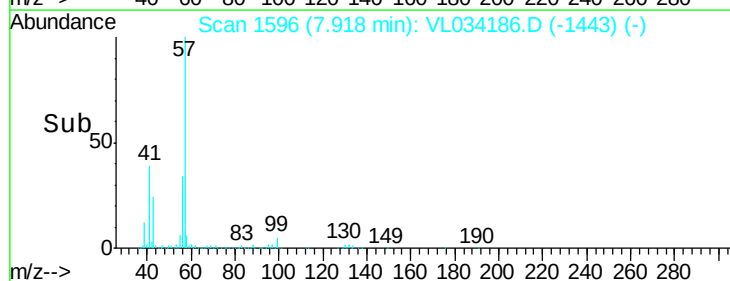
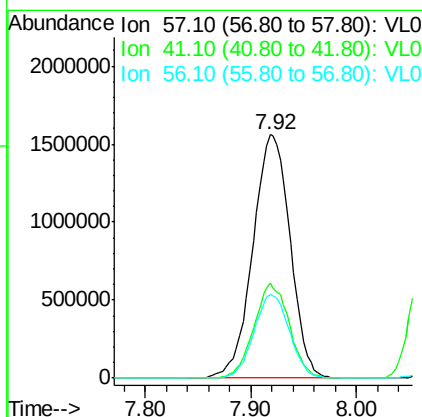
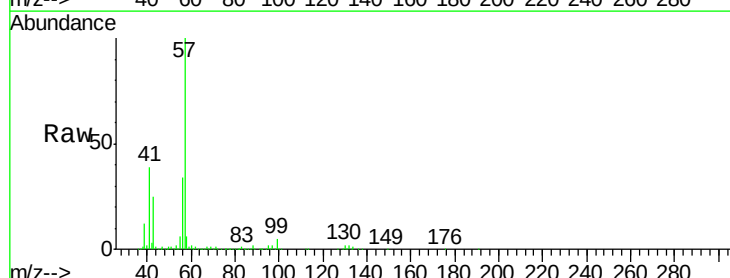
Manual Integrations
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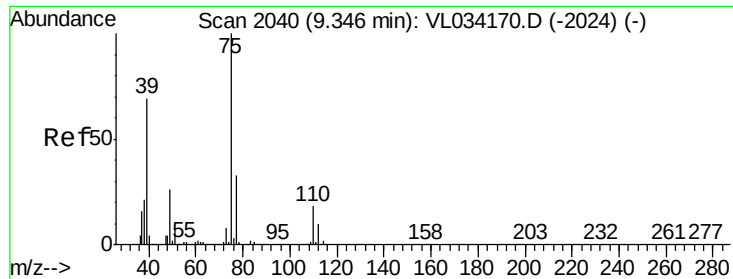
MMDadoda
9/20/2019 12:37:15 AM



#44
2,2,4-Trimethylpentane
Concen: 8.900 ppbv
RT: 7.92 min Scan# 1596
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
57	100		
41	36.9	29.8	44.6
56	32.7	25.9	38.9





#45

t-1,3-Dichloropropene

Concen: 10.706 ppbv

RT: 9.34 min Scan# 2039

Delta R.T. -0.00 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tot Ion: 75 Resp: 1171484

Ion Ratio Lower Upper

75 100

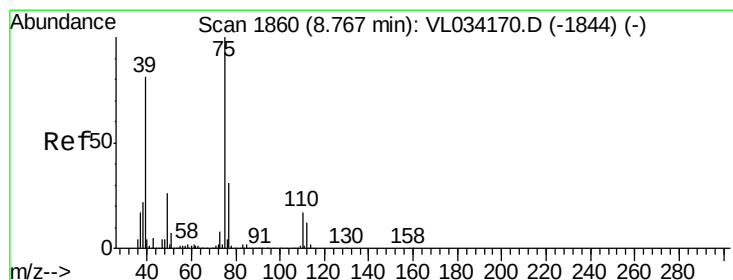
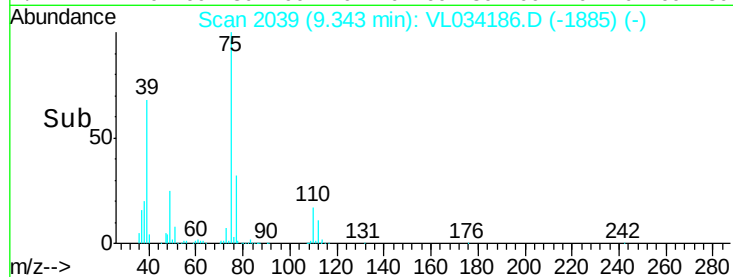
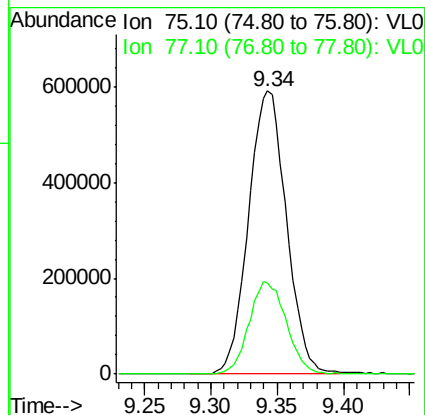
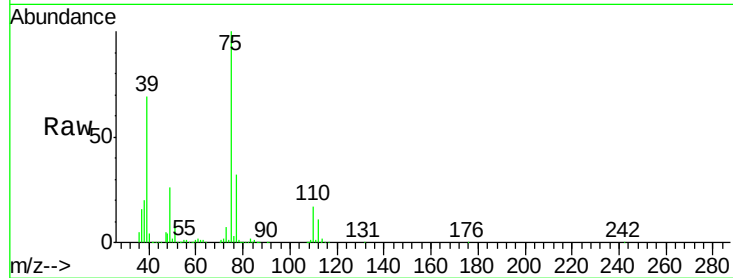
77 32.3 26.2 39.2

Manual Integrations

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#46

cis-1,3-Dichloropropene

Concen: 10.088 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

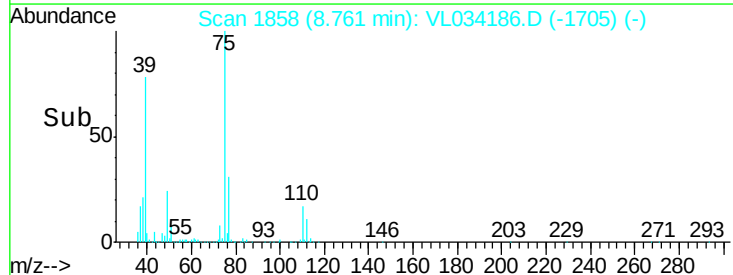
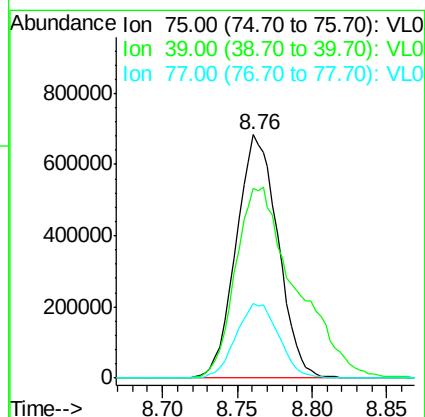
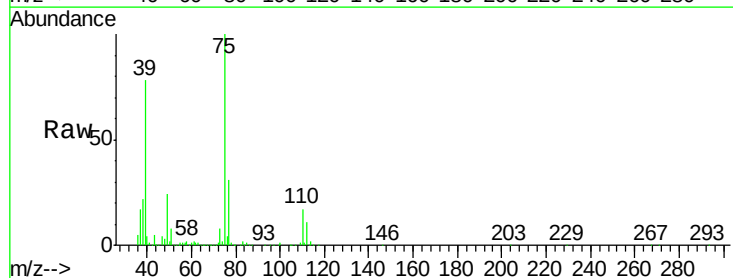
Tgt Ion: 75 Resp: 1327915

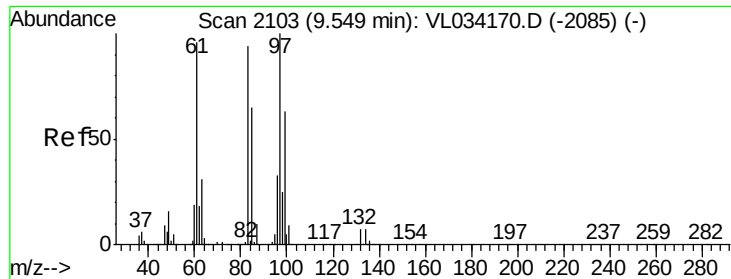
Ion Ratio Lower Upper

75 100

39 78.0 65.0 97.4

77 30.5 24.5 36.7





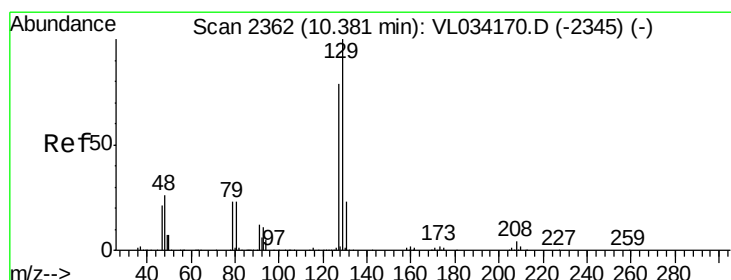
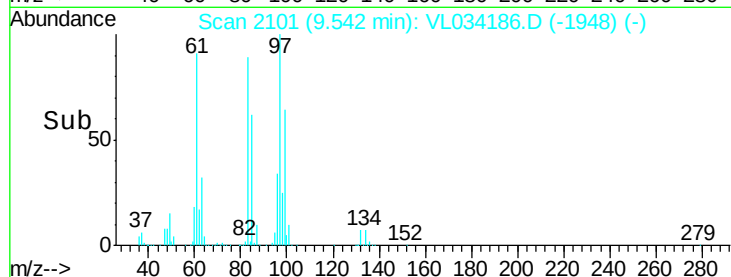
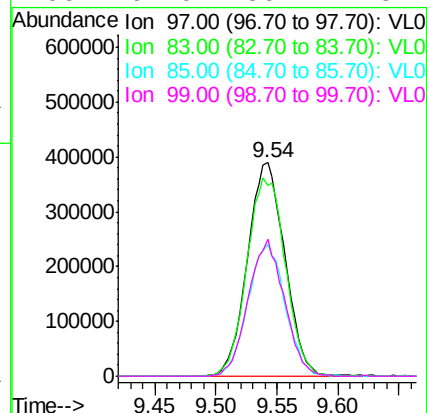
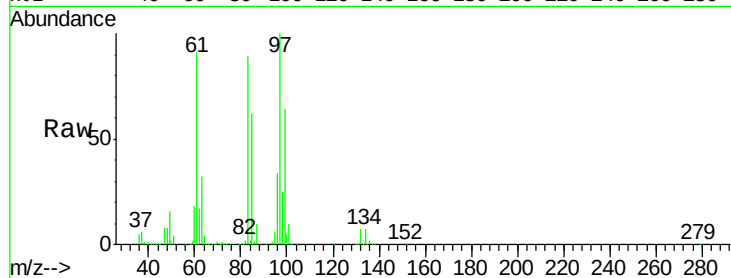
#47
 1,1,2-Trichloroethane
 Concen: 9.094 ppbv
 RT: 9.54 min Scan# 2101
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		822005		
83	89.1	75.3	112.9		
85	61.6	52.1	78.1		
99	64.0	50.2	75.2		

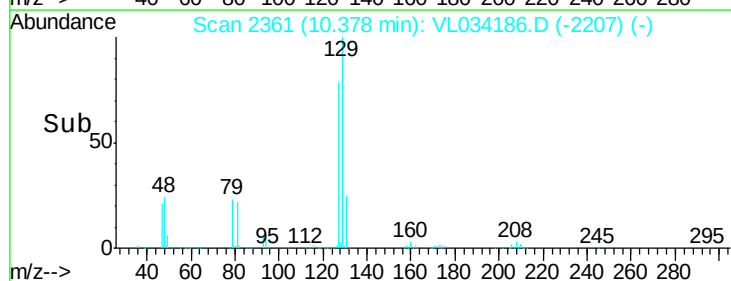
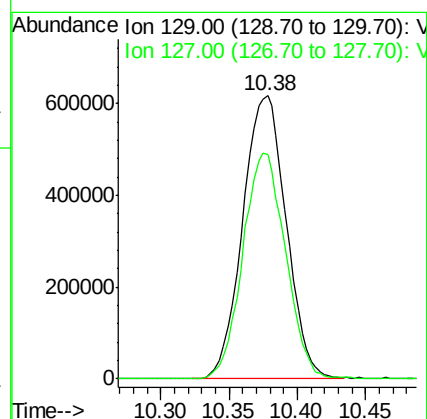
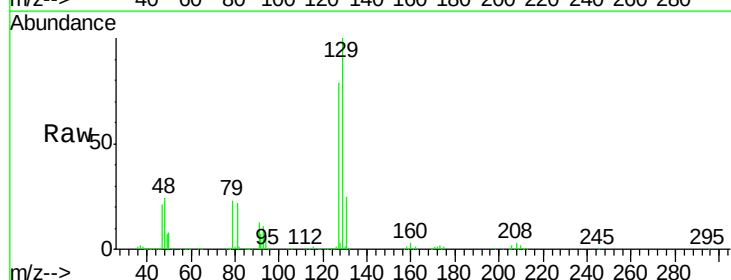
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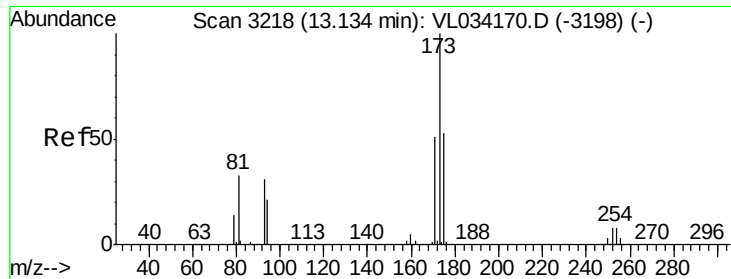
MMDadoda
 9/20/2019 12:37:15 AM



#48
 Dibromochloromethane
 Concen: 9.535 ppbv
 RT: 10.38 min Scan# 2361
 Delta R.T. -0.00 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1365918		
127	78.4	39.2	117.6		





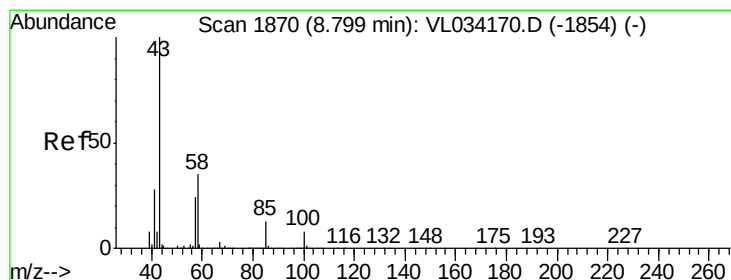
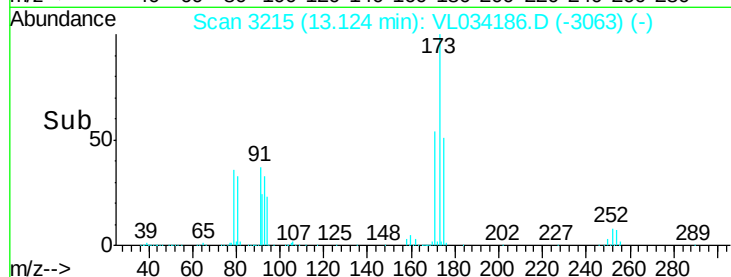
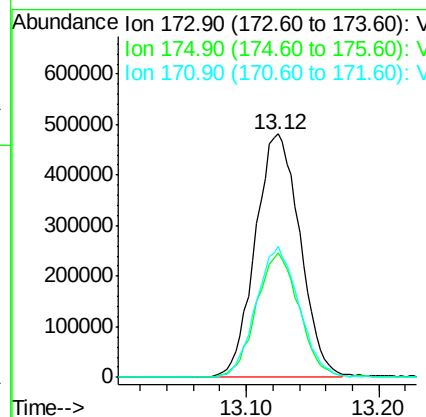
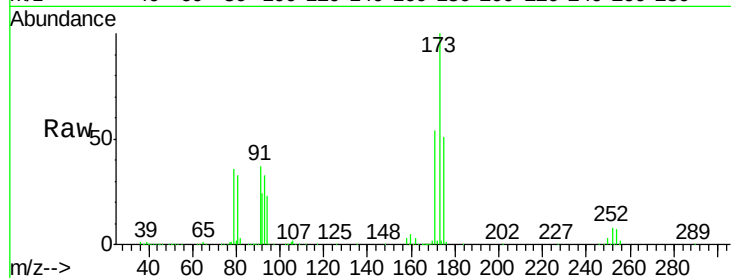
#49
Bromoform
Concen: 9.742 ppbv
RT: 13.12 min Scan# 3215
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	40.3	60.5
171	52.0	42.0	63.0

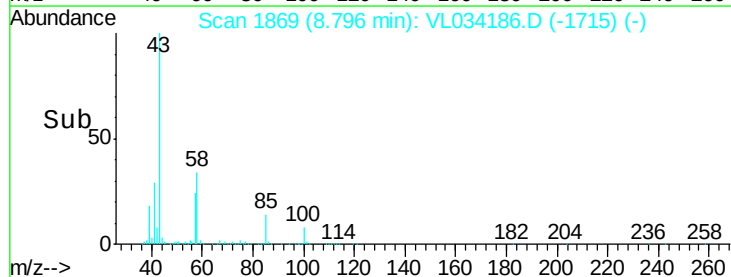
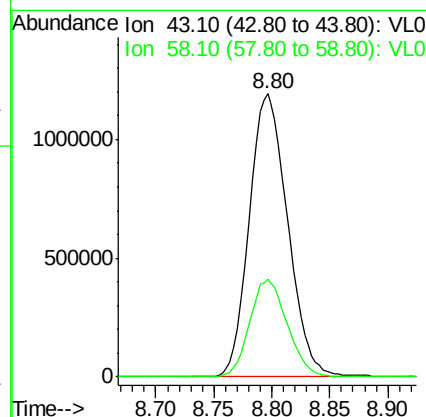
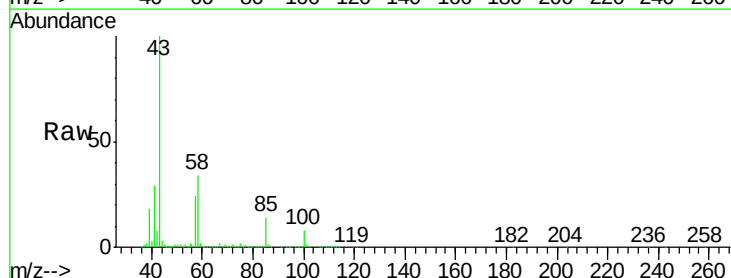
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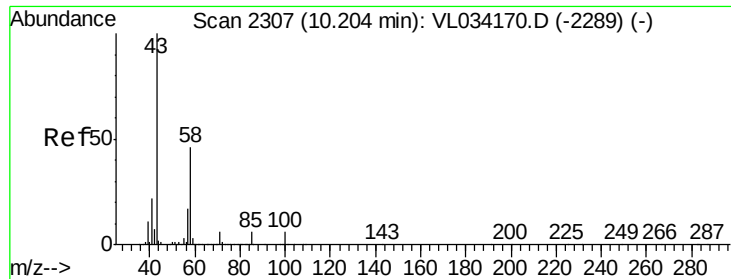
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 9.097 ppbv
RT: 8.80 min Scan# 1869
Delta R.T. -0.00 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.6	41.4





#51

2-Hexanone

Concen: 9.206 ppbv

RT: 10.19 min Scan# 2304

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tot Ion: 43 Resp: 2328871

Ion Ratio Lower Upper

43 100

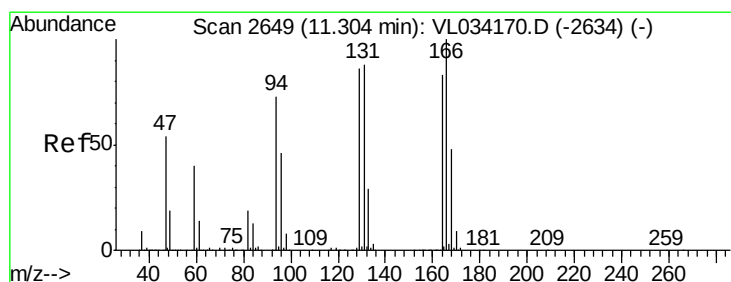
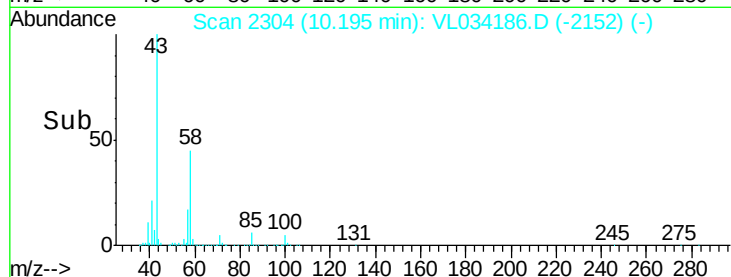
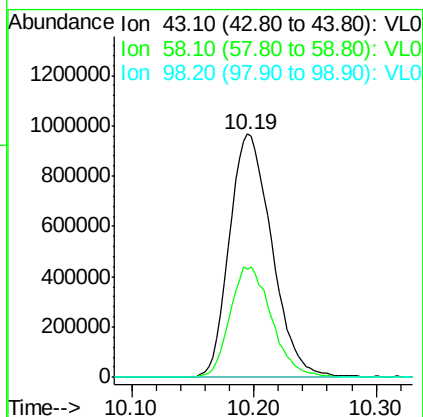
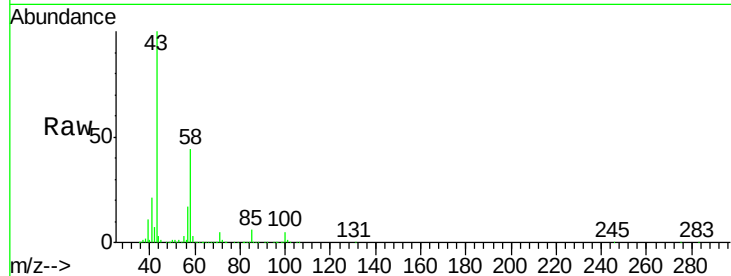
58 44.7 36.2 54.4

98 0.2 0.2 0.2

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#52

Tetrachloroethene

Concen: 8.443 ppbv

RT: 11.29 min Scan# 2646

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Tgt Ion: 164 Resp: 624930

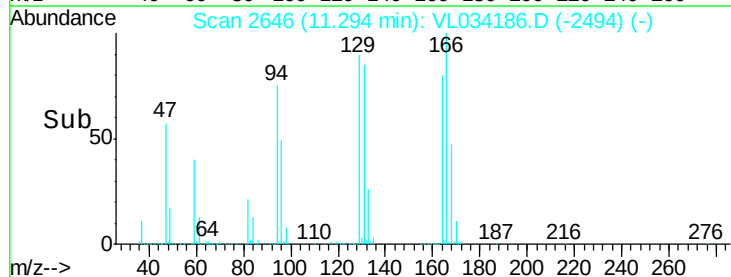
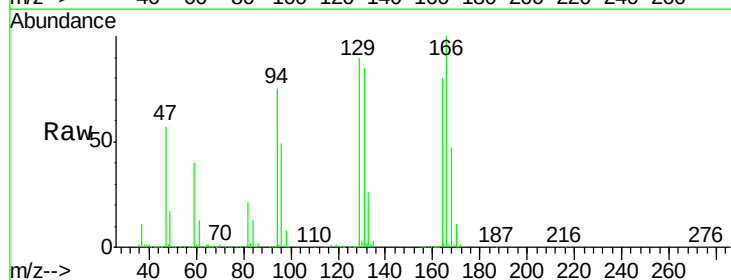
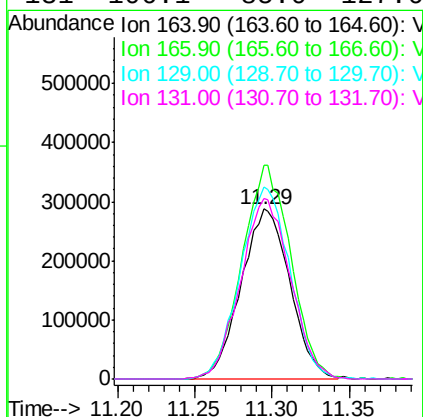
Ion Ratio Lower Upper

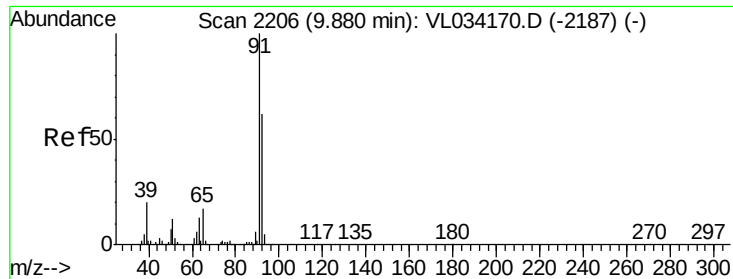
164 100

166 125.5 96.7 145.1

129 113.0 82.8 124.2

131 106.1 85.0 127.6





#53

Toluene

Concen: 9.230 ppbv

RT: 9.87 min Scan# 2203

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tot Ion: 91 Resp: 2259979

Ion Ratio Lower Upper

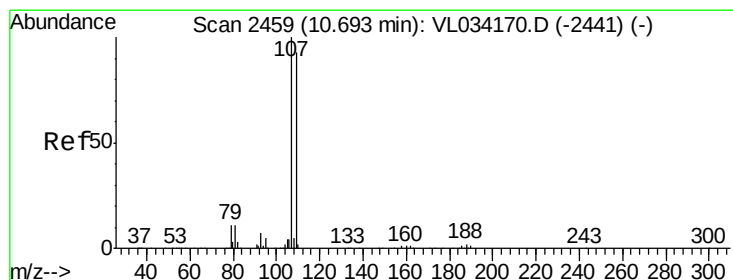
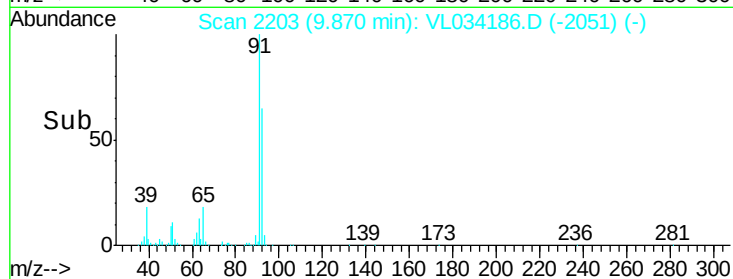
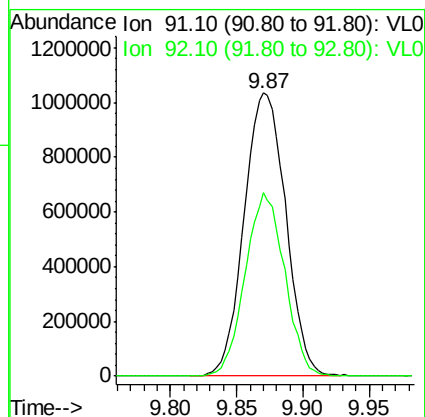
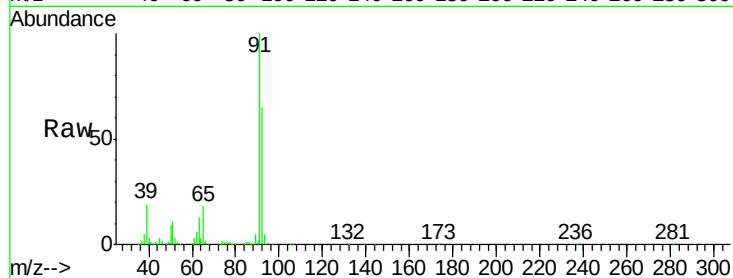
91 100

92 61.4 49.0 73.6

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#54

1,2-Dibromoethane

Concen: 9.135 ppbv

RT: 10.68 min Scan# 2456

Delta R.T. -0.01 min

Lab File: VL034186.D

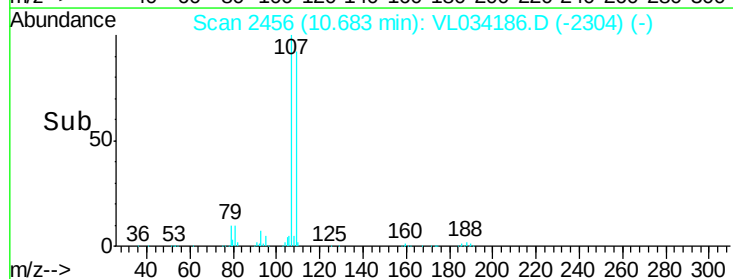
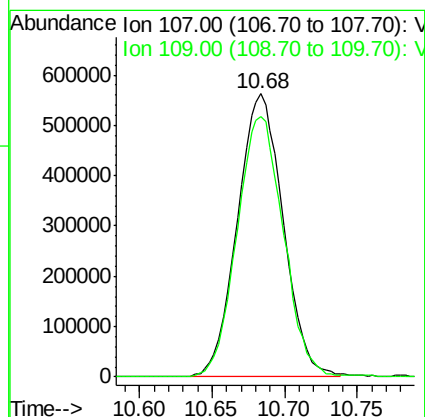
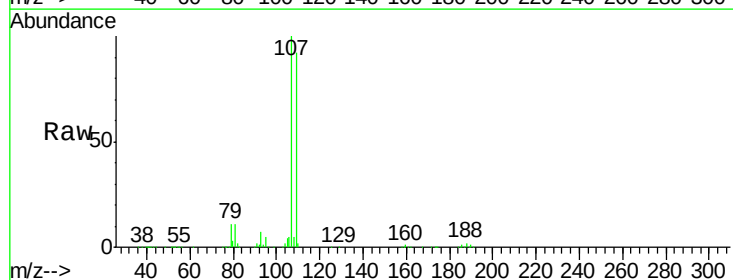
Acq: 18 Sep 2019 17:07

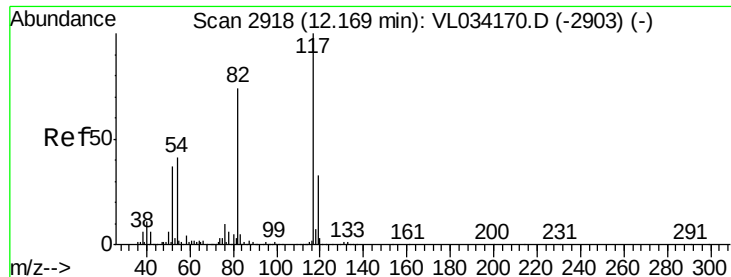
Tgt Ion: 107 Resp: 1227881

Ion Ratio Lower Upper

107 100

109 91.8 74.5 111.7





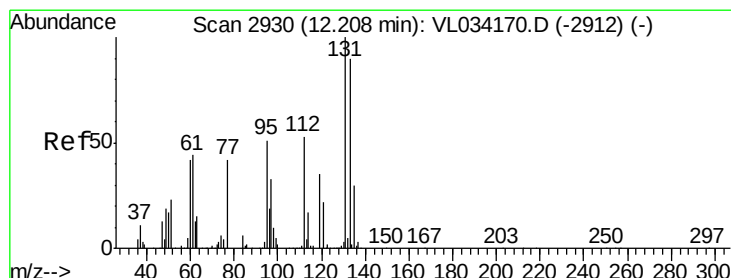
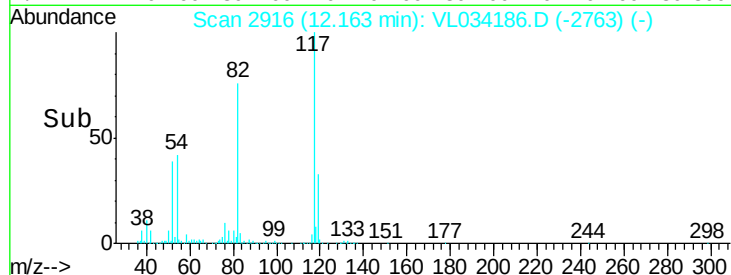
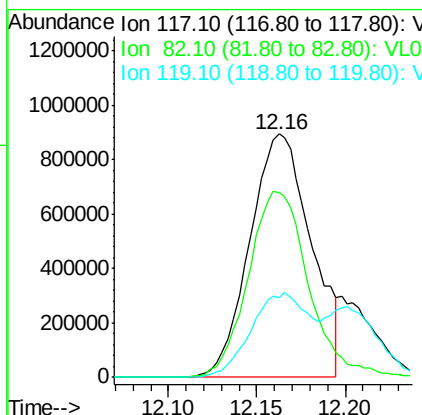
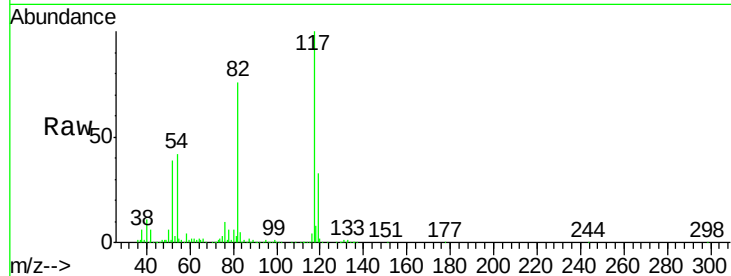
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.16 min Scan# 2916
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

Tot Ion:117 Resp: 2162140
Ion Ratio Lower Upper
117 100
82 75.7 58.2 87.4
119 57.6 23.7 35.5#

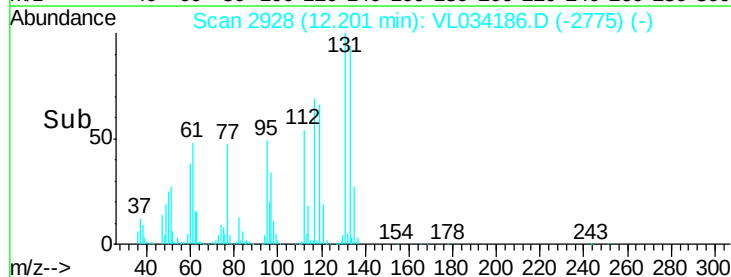
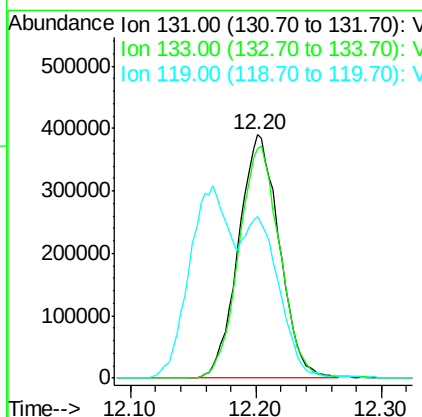
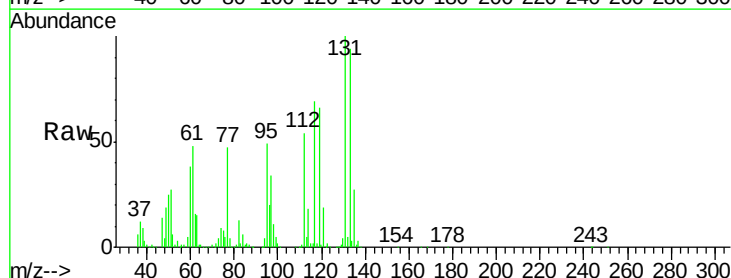
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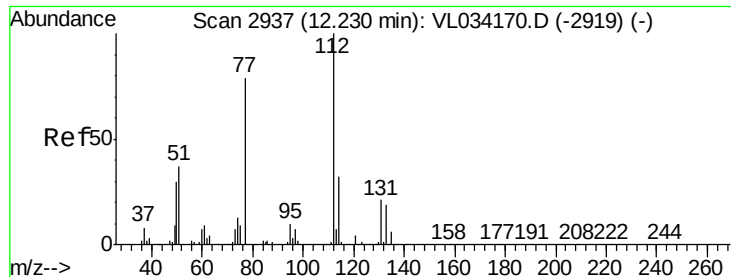
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.143 ppbv
RT: 12.20 min Scan# 2928
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion:131 Resp: 881634
Ion Ratio Lower Upper
131 100
133 96.4 75.1 112.7
119 60.3 47.4 71.0





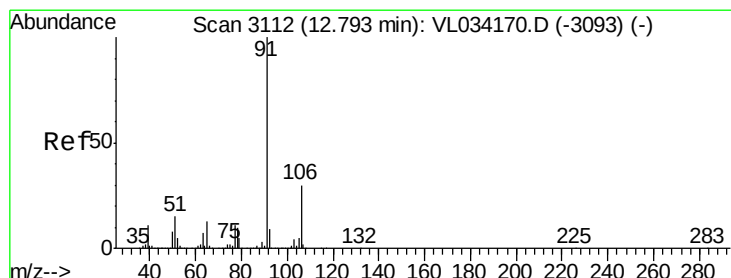
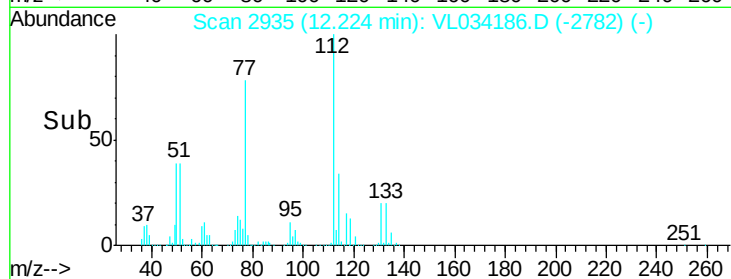
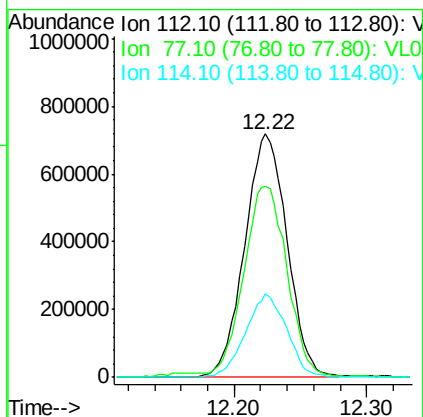
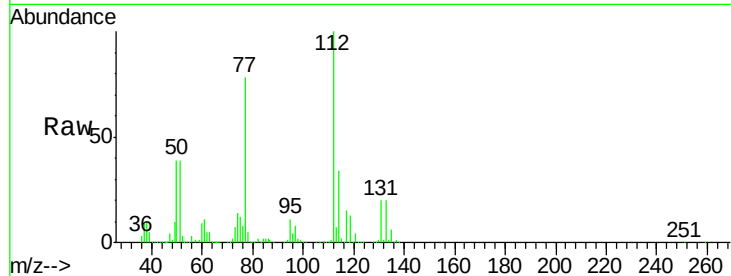
#57
Chlorobenzene
Concen: 8.446 ppbv
RT: 12.22 min Scan# 2935
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	77.7	64.3	96.5
114	34.2	28.9	35.3

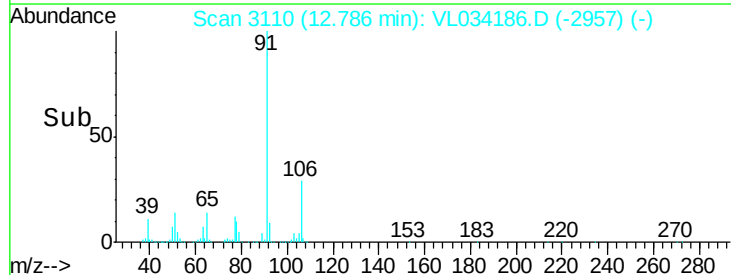
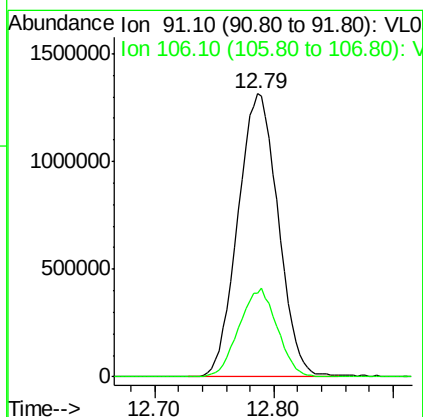
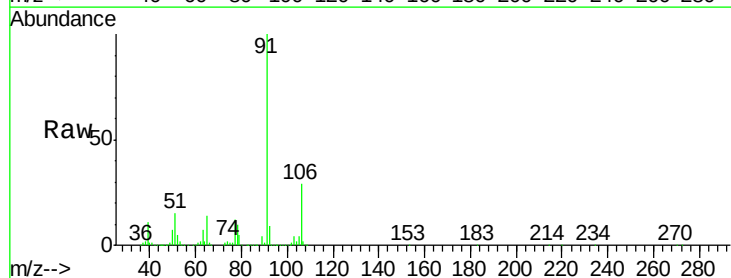
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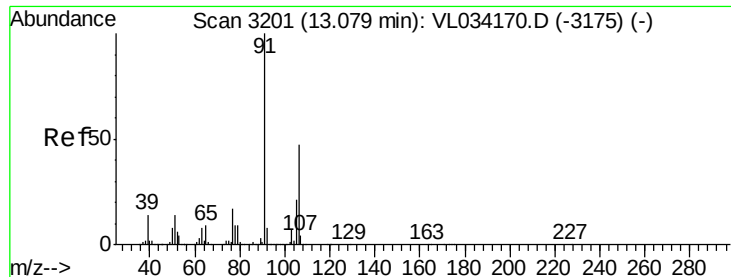
MMDadoda
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#58
Ethyl Benzene
Concen: 8.836 ppbv
RT: 12.79 min Scan# 3110
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.2	36.4





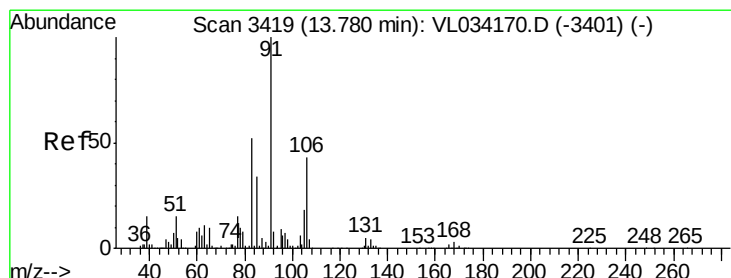
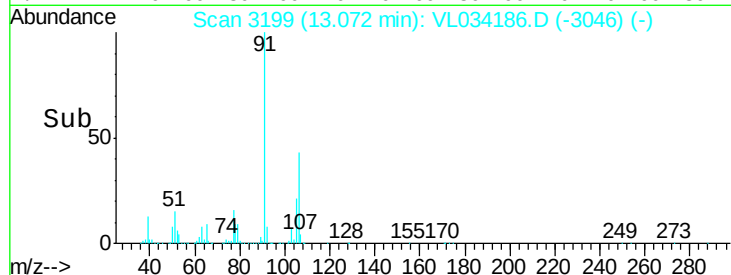
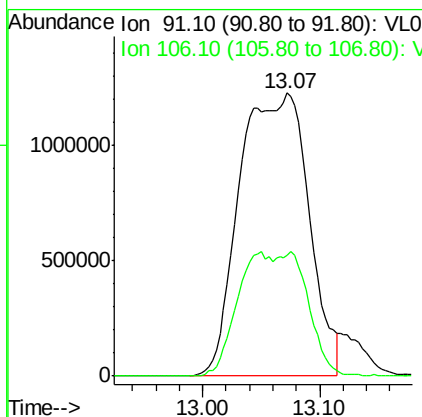
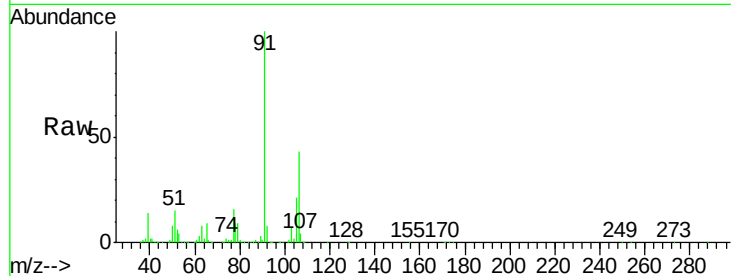
#59
m/p-Xylene
Concen: 17.310 ppbv m
RT: 13.07 min Scan# 3199
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

Tot Ion: 91 Resp: 5001996
Ion Ratio Lower Upper
91 100
106 43.6 35.5 53.3

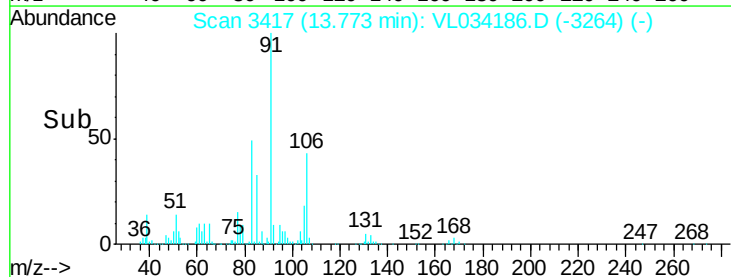
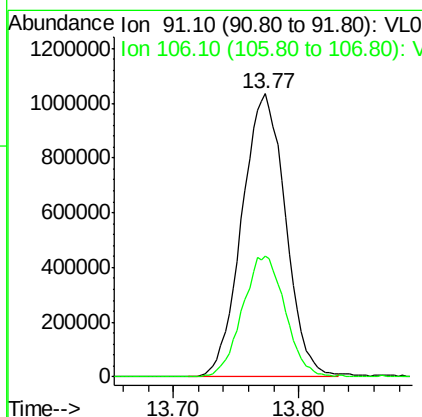
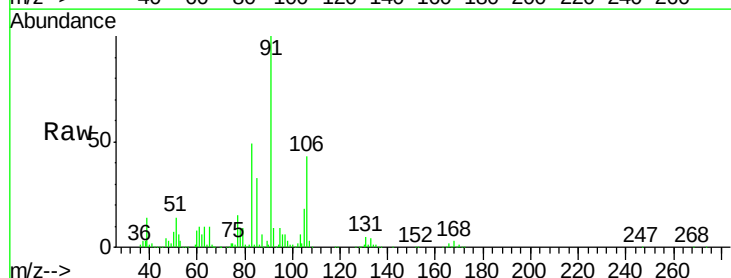
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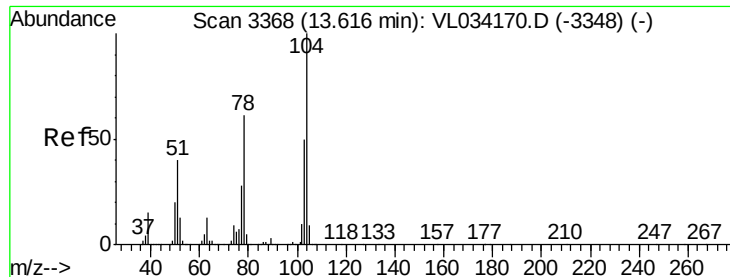
MMDadoda
9/20/2019 12:37:15 AM



#60
o-Xylene
Concen: 8.637 ppbv
RT: 13.77 min Scan# 3417
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion: 91 Resp: 2495543
Ion Ratio Lower Upper
91 100
106 42.2 21.2 63.6





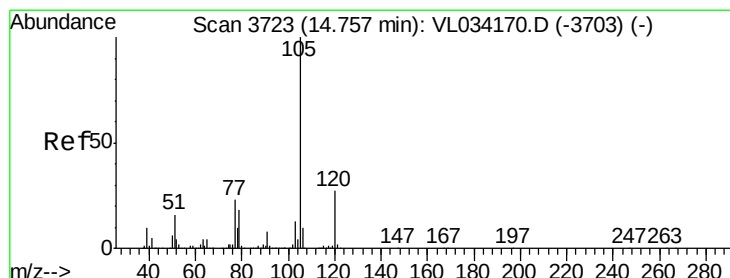
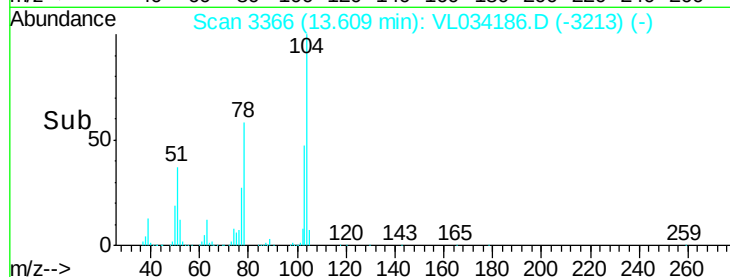
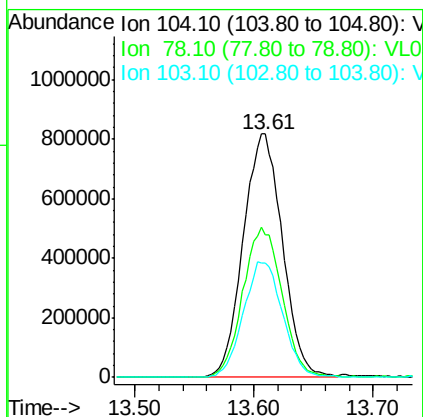
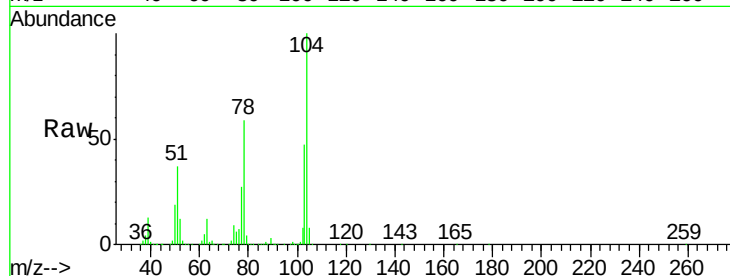
#61
Stvrene
Concen: 9.017 ppbv
RT: 13.61 min Scan# 3366
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	62.0	49.7	74.5
103	47.7	38.4	57.6

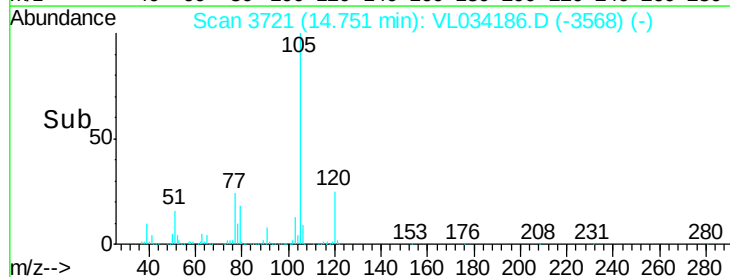
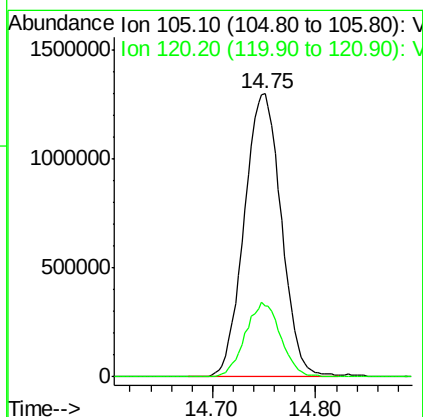
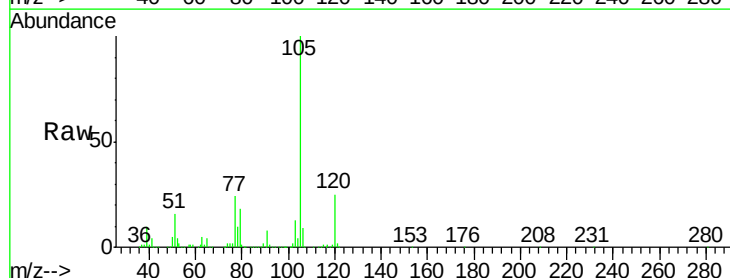
Manual Integrations
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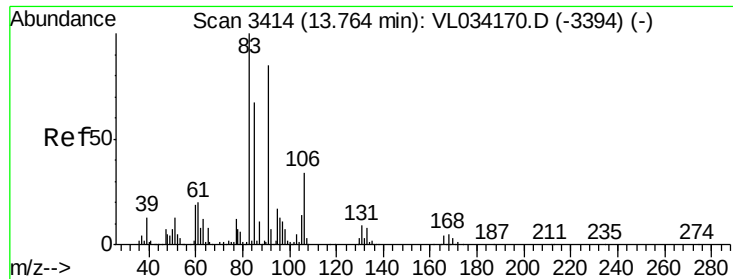
MMDadoda
9/20/2019 12:37:15 AM



#62
Isopropylbenzene
Concen: 8.672 ppbv
RT: 14.75 min Scan# 3721
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.3	20.7	31.1





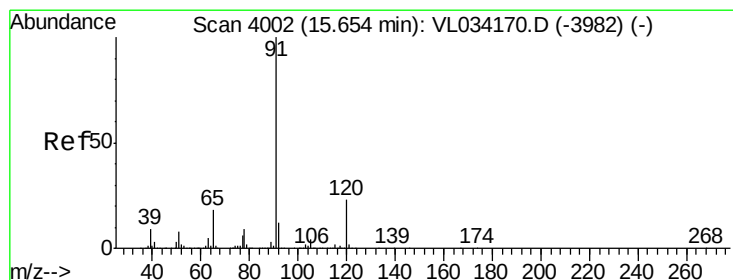
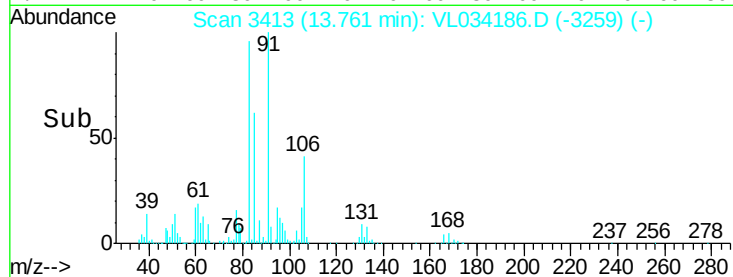
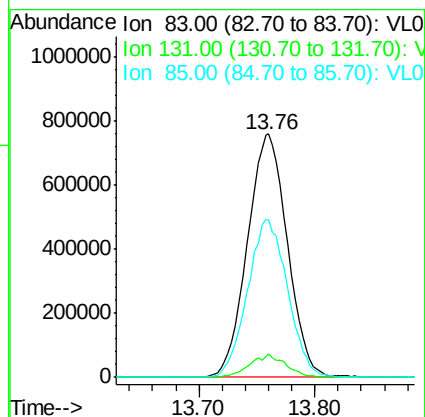
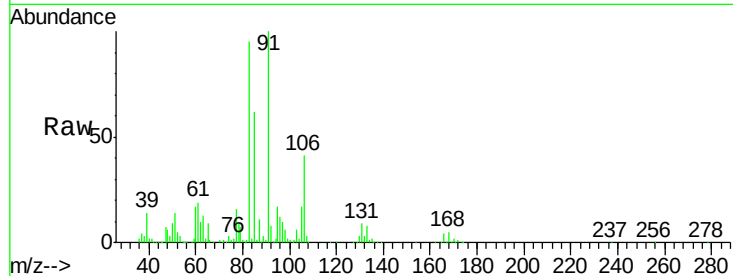
#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.672 ppbv
 RT: 13.76 min Scan# 3413
 Delta R.T. -0.00 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Tot Ion	83	Resp	1817607
Ion Ratio	100	Lower	Upper
83	100		
131	8.6	4.3	12.8
85	65.2	32.8	98.4

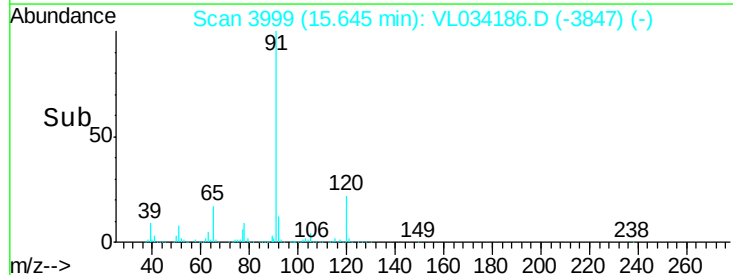
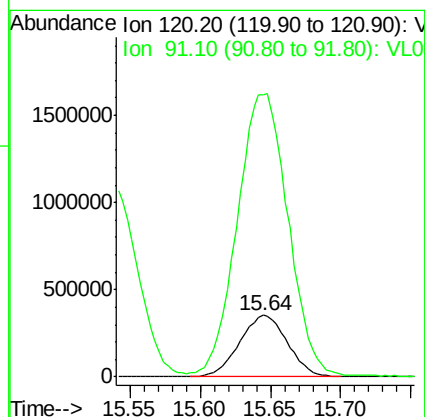
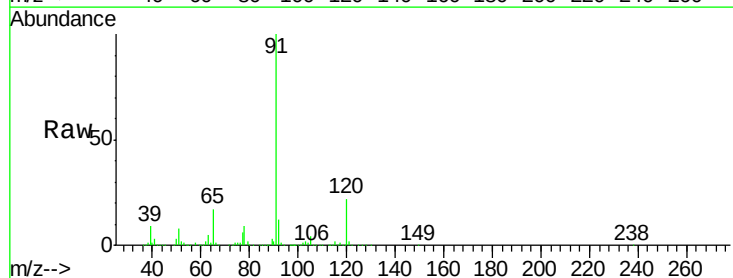
Manual Integrations
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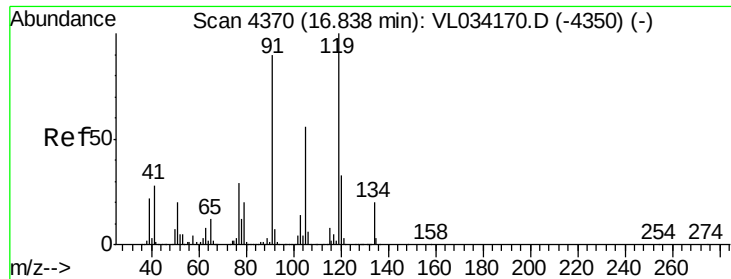
MMDadoda
 9/20/2019 12:37:15 AM



#64
 n-propylbenzene
 Concen: 8.797 ppbv
 RT: 15.64 min Scan# 3999
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion	120	Resp	832467
Ion Ratio	100	Lower	Upper
120	100		
91	494.5	378.2	567.2





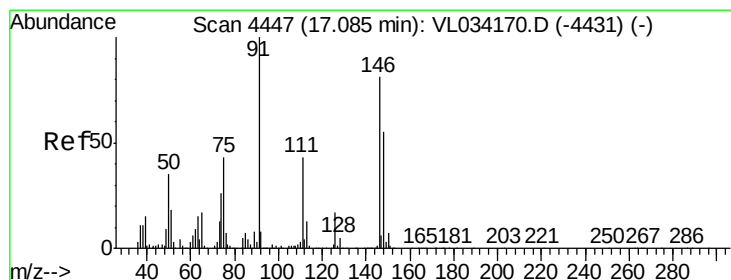
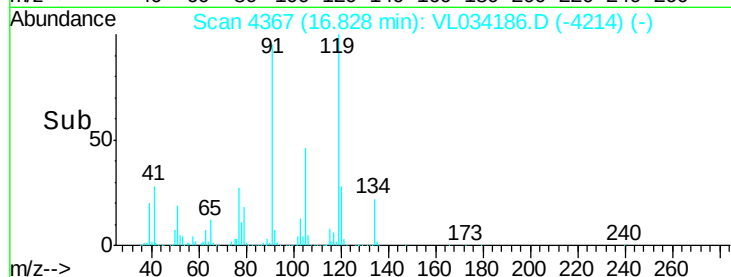
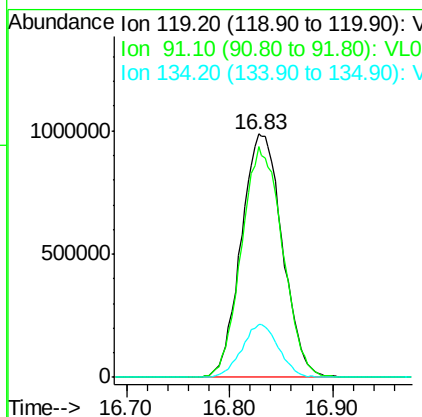
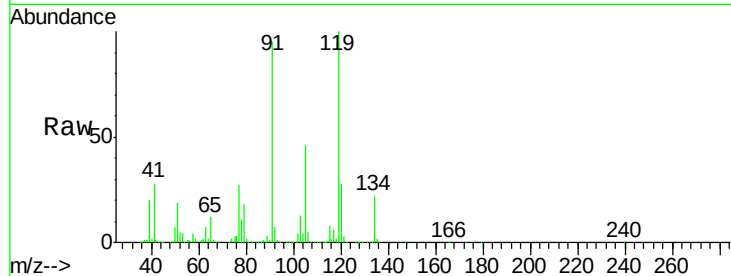
#65
 tert-Butylbenzene
 Concen: 8.357 ppbv
 RT: 16.83 min Scan# 4367
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Tot Ion:119 Resp: 2731190
 Ion Ratio Lower Upper
 119 100
 91 94.8 74.9 112.3
 134 19.7 15.8 23.6

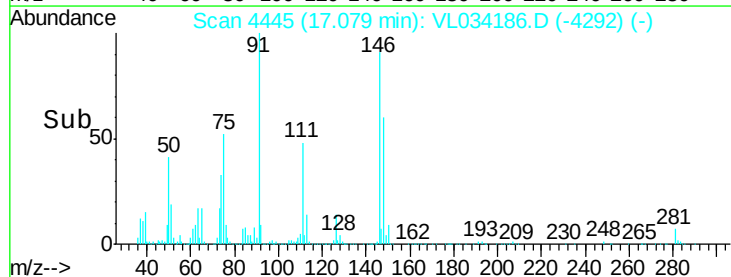
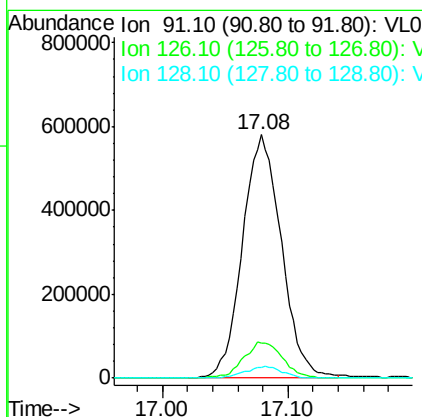
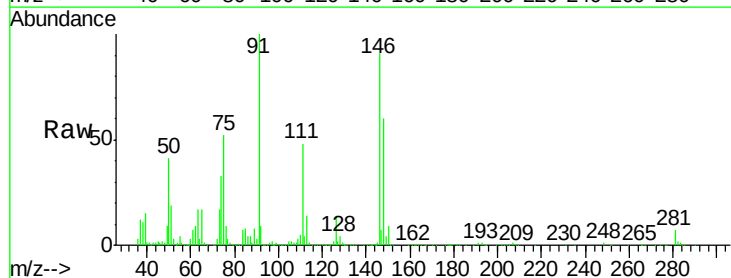
Manual Integrations
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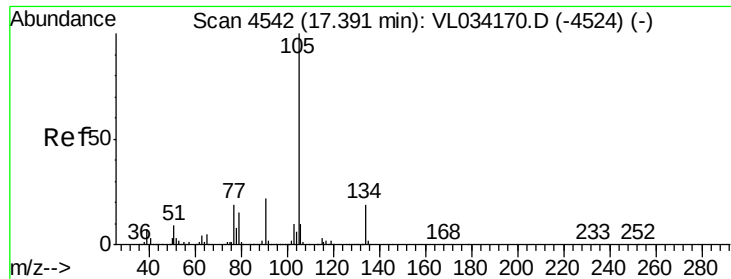
MMDadoda
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#66
 Benzyl Chloride
 Concen: 10.739 ppbv
 RT: 17.08 min Scan# 4445
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion: 91 Resp: 1241687
 Ion Ratio Lower Upper
 91 100
 126 15.2 12.6 19.0
 128 4.8 4.0 6.0





#67

sec-Butylbenzene

Concen: 8.524 ppbv

RT: 17.38 min Scan# 4539

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tot Ion: 105 Resp: 3983520

Ion Ratio Lower Upper

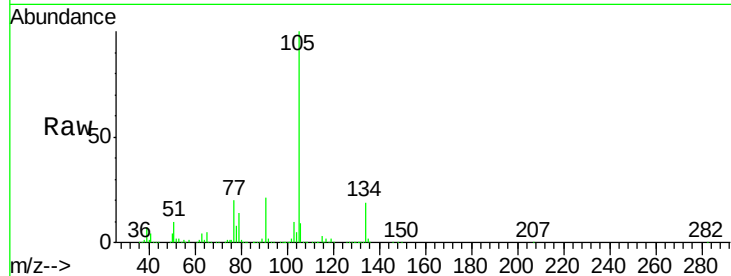
105 100

134 17.8 14.6 22.0

Manual Integrations
APPROVED

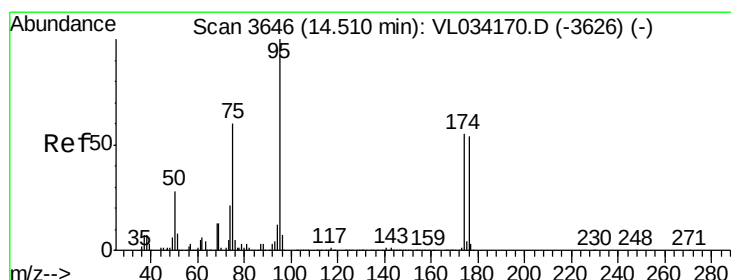
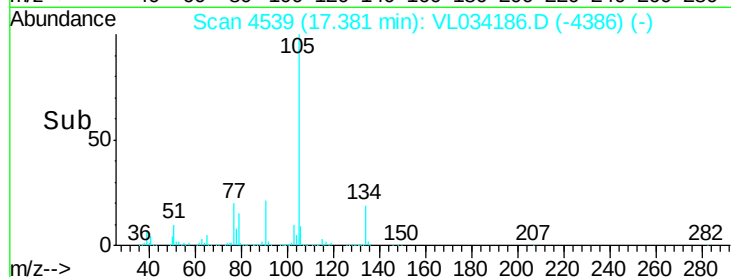
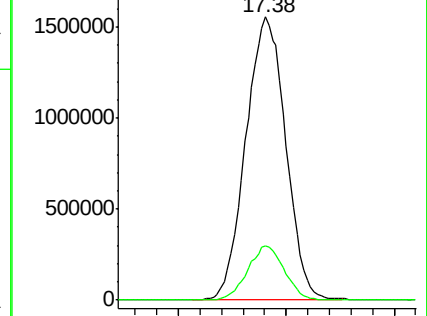
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.806 ppbv

RT: 14.50 min Scan# 3642

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

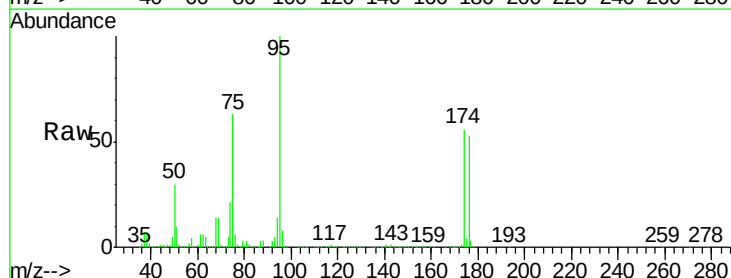
Tgt Ion: 95 Resp: 1842353

Ion Ratio Lower Upper

95 100

174 57.4 45.1 67.7

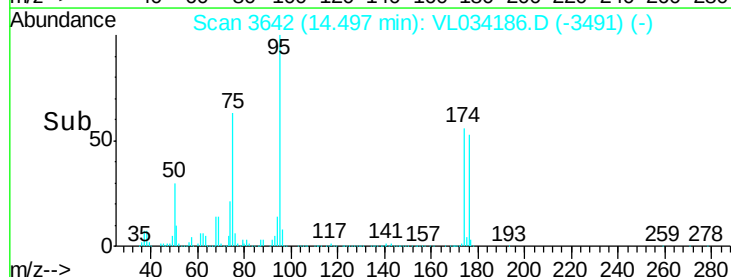
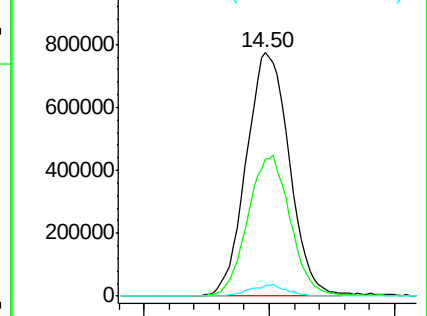
175 4.1 3.3 4.9

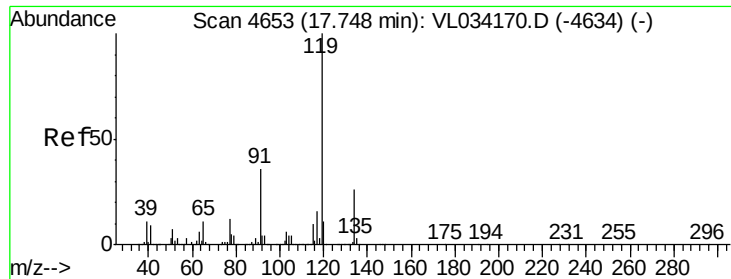


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





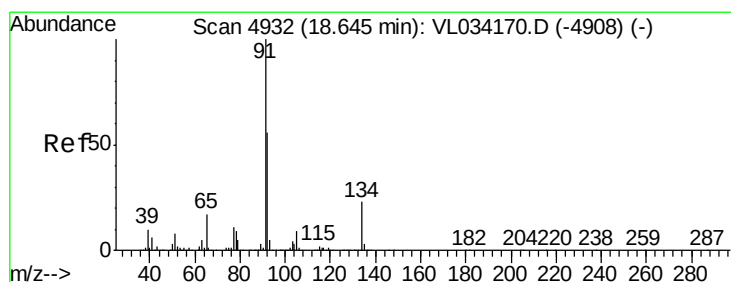
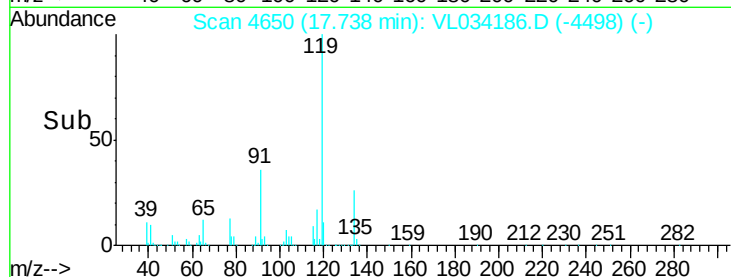
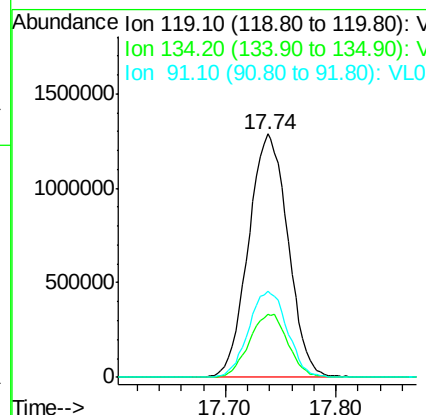
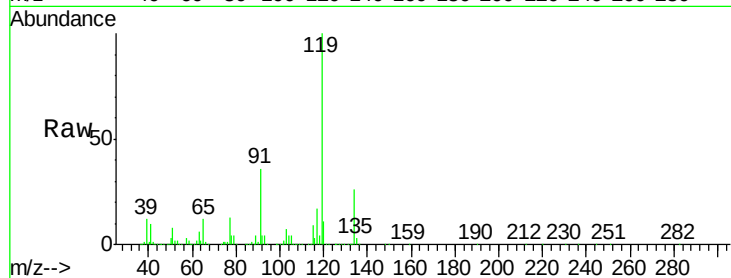
#69
 p-Isopropyltoluene
 Concen: 8.445 ppbv
 RT: 17.74 min Scan# 4650
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.6	20.6	30.8
91	34.9	27.6	41.4

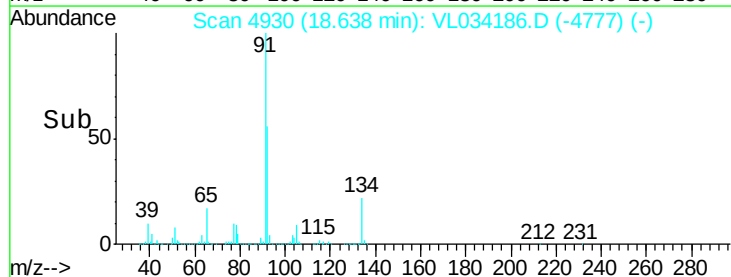
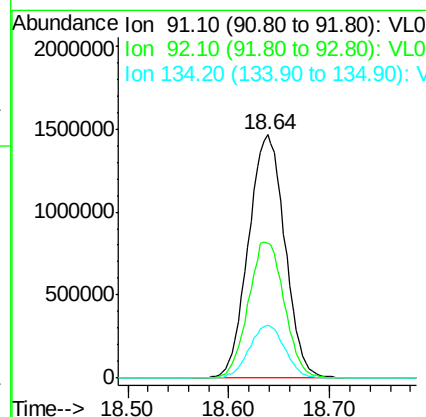
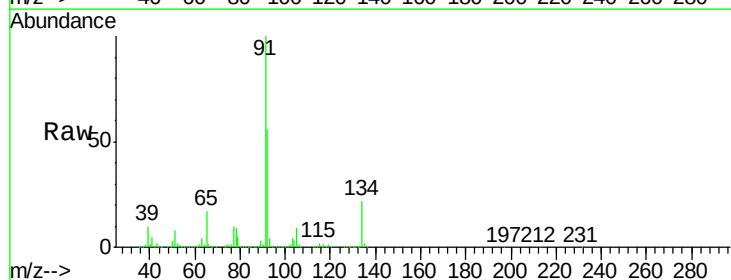
Manual Integrations
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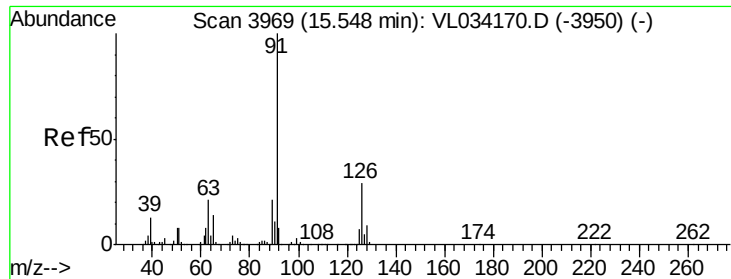
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#70
 n-Butylbenzene
 Concen: 8.307 ppbv
 RT: 18.64 min Scan# 4930
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.3	44.8	67.2
134	21.2	17.3	25.9





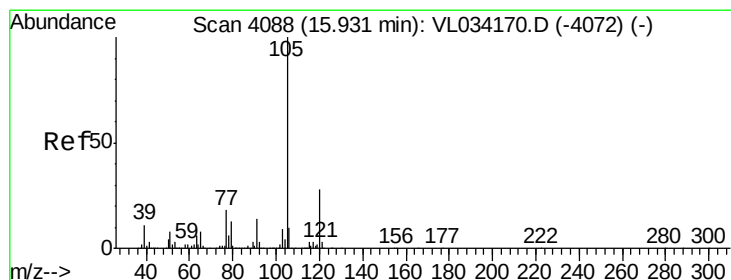
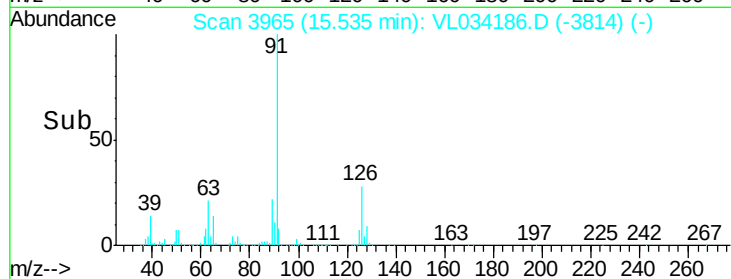
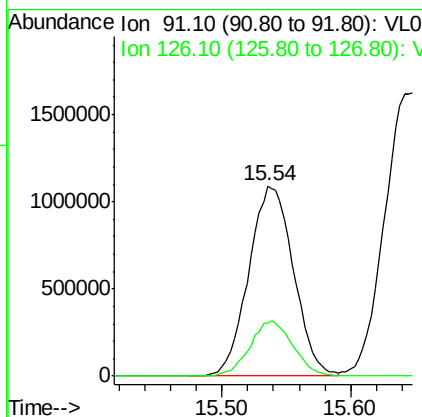
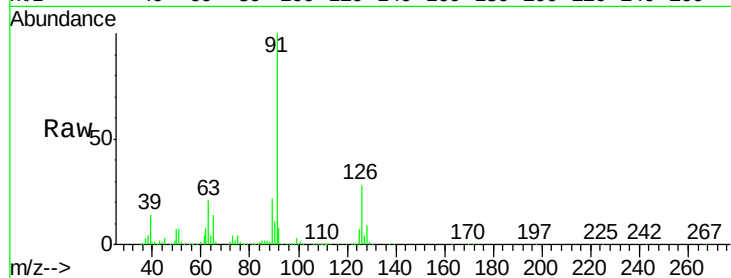
#71
 2-Chlorotoluene
 Concen: 8.608 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Tot Ion: 91 Resp: 2630755
 Ion Ratio Lower Upper
 91 100
 126 28.1 11.2 45.0

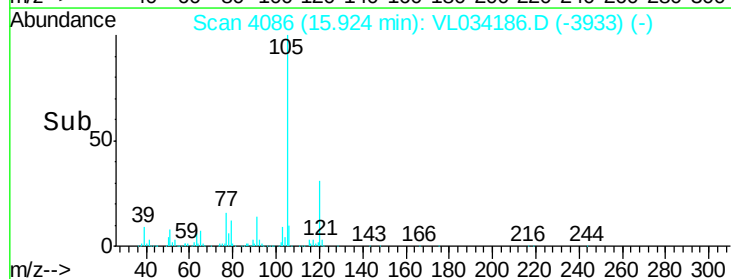
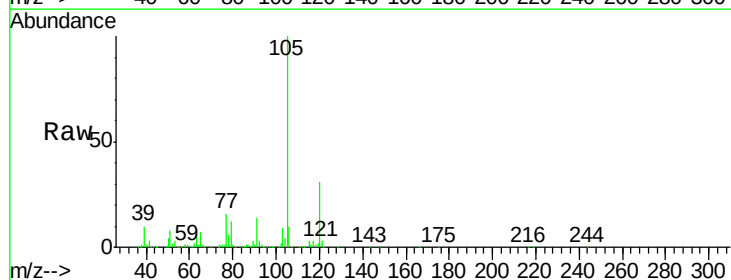
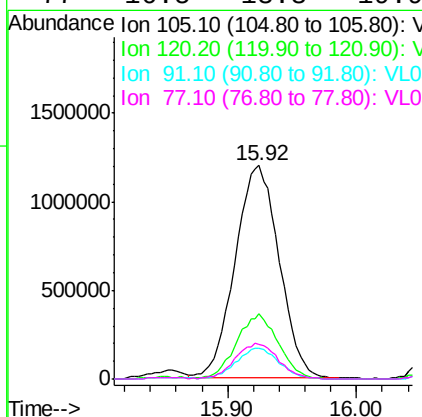
Manual Integrations
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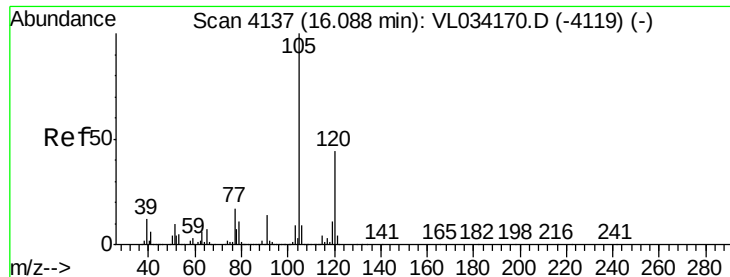
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#72
 4-Ethyltoluene
 Concen: 8.735 ppbv
 RT: 15.92 min Scan# 4086
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion:105 Resp: 2851644
 Ion Ratio Lower Upper
 105 100
 120 29.4 23.3 34.9
 91 14.0 11.4 17.2
 77 16.5 13.3 19.9





#73

1,3,5-Trimethylbenzene

Concen: 8.730 ppbv

RT: 16.08 min Scan# 4135

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Instrument :

MSVOA_L

ClientSampleId :

VL0918ABS01

Tot Ion:105 Resp: 2753081

Ion Ratio Lower Upper

105 100

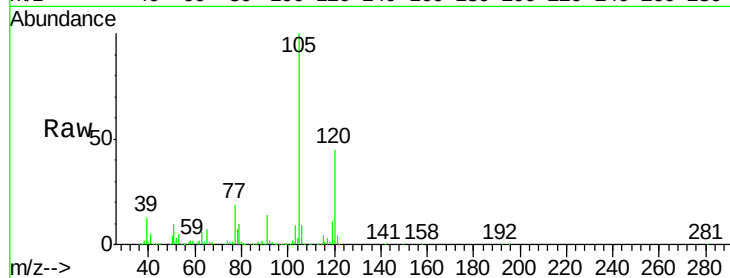
120 44.7 35.6 53.4

Manual Integrations

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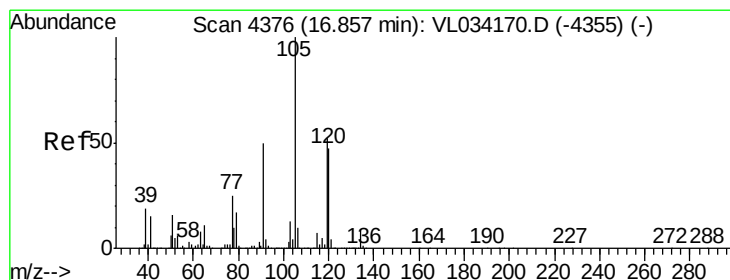
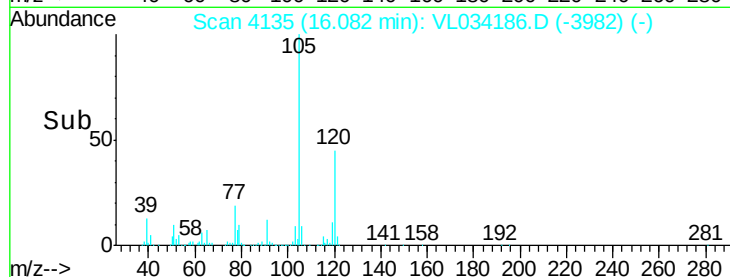
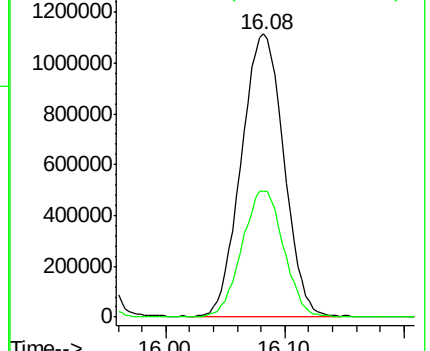
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.210 ppbv

RT: 16.85 min Scan# 4374

Delta R.T. -0.01 min

Lab File: VL034186.D

Acq: 18 Sep 2019 17:07

Tgt Ion:105 Resp: 2749270

Ion Ratio Lower Upper

105 100

120 46.8 37.5 56.3

91 46.4 41.1 61.7

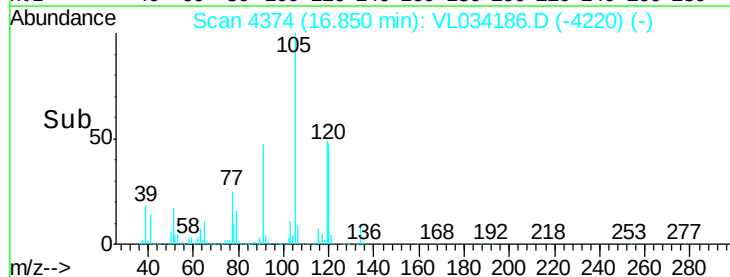
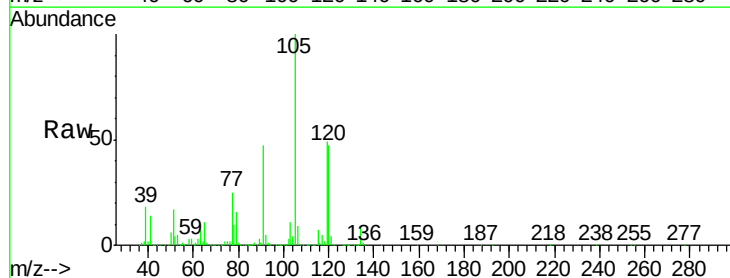
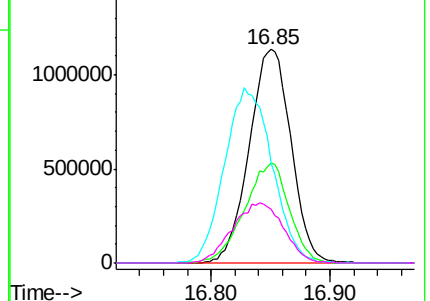
77 25.2 19.9 29.9

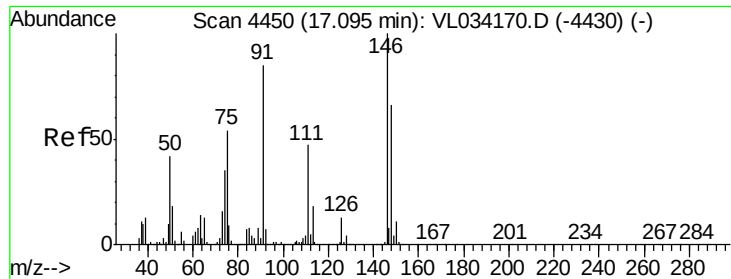
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





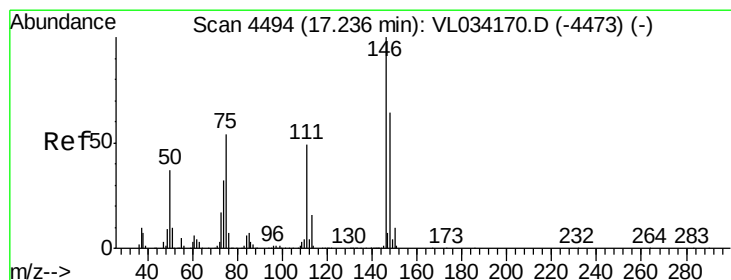
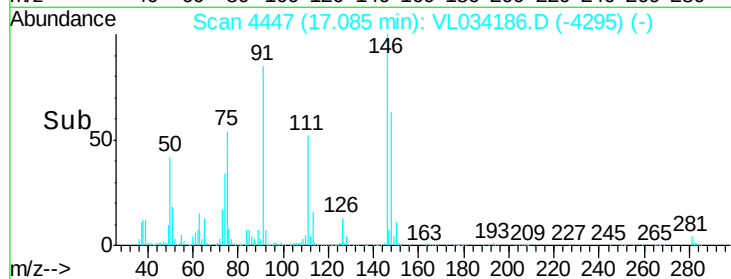
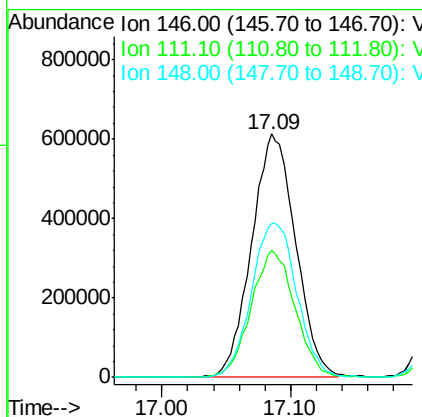
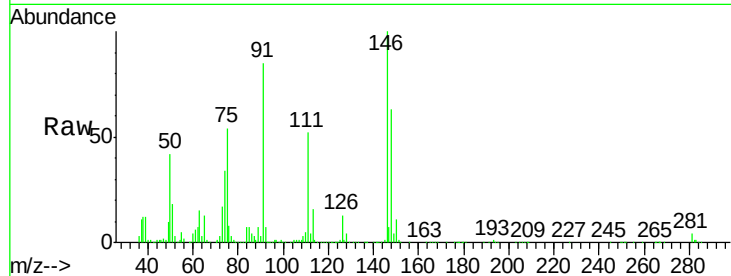
#75
 1,3-Dichlorobenzene
 Concen: 8.119 ppbv
 RT: 17.09 min Scan# 4447
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.9	25.9	77.8
148	65.5	32.6	97.7

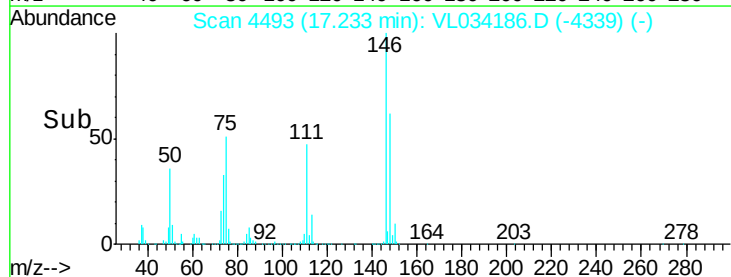
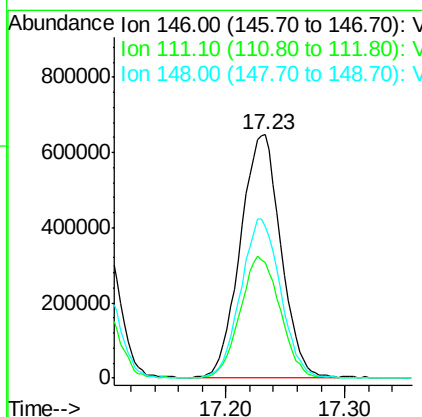
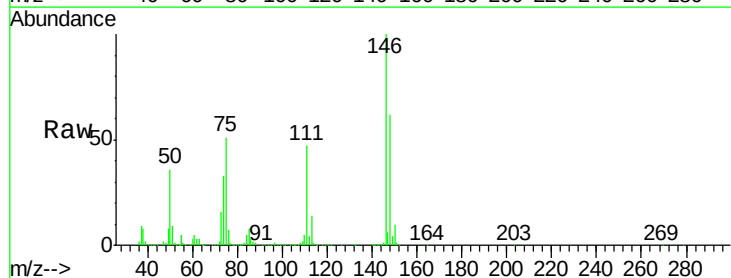
Manual Integrations
 APPROVED

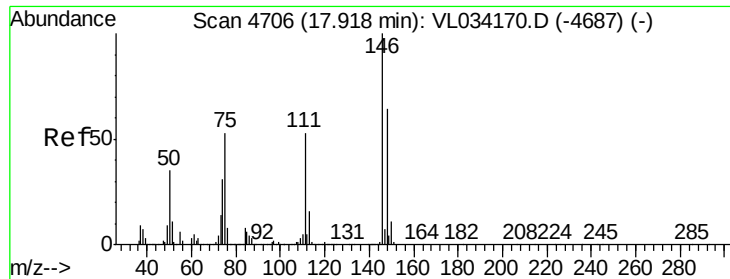
MMDadoda
 9/20/2019 12:37:15 AM



#76
 1,4-Dichlorobenzene
 Concen: 8.222 ppbv
 RT: 17.23 min Scan# 4493
 Delta R.T. -0.00 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
146	100		
111	49.9	24.6	74.0
148	65.1	32.4	97.0





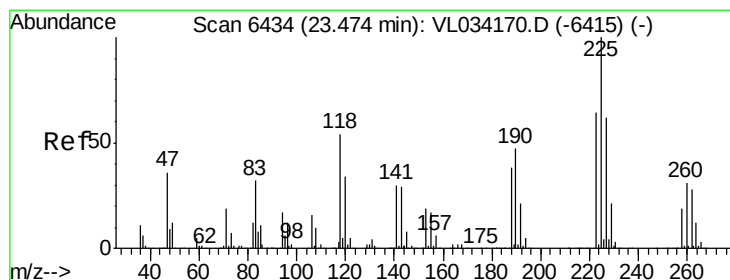
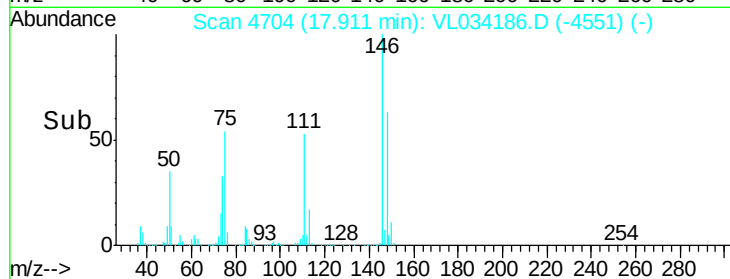
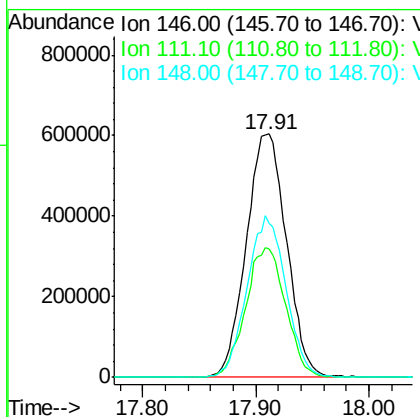
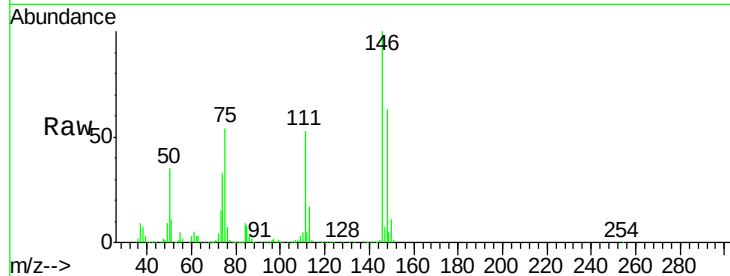
#77
 1,2-Dichlorobenzene
 Concen: 8.215 ppbv
 RT: 17.91 min Scan# 4704
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	53.1	26.1	78.3
148	64.0	31.9	95.9

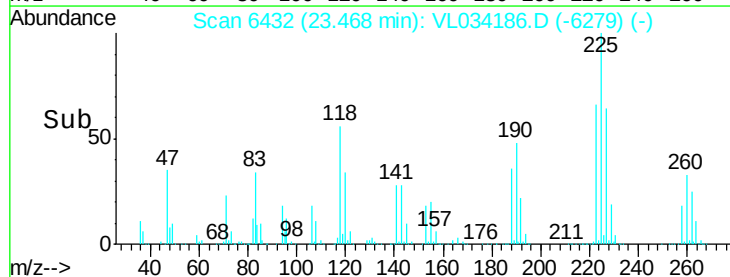
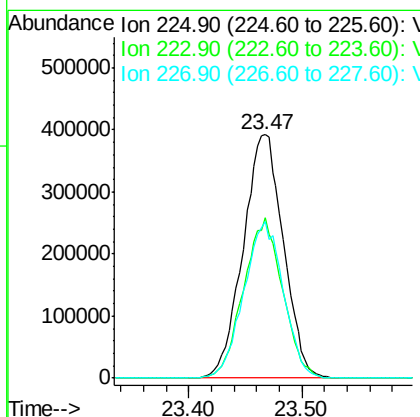
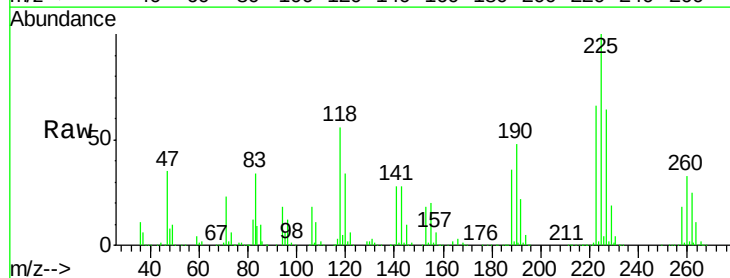
Manual Integrations
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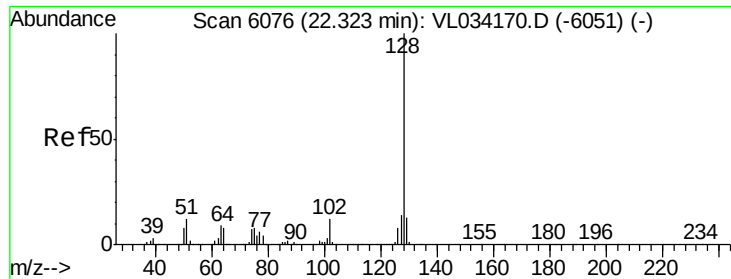
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.067 ppbv
 RT: 23.47 min Scan# 6432
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	51.7	77.5
227	62.9	52.1	78.1





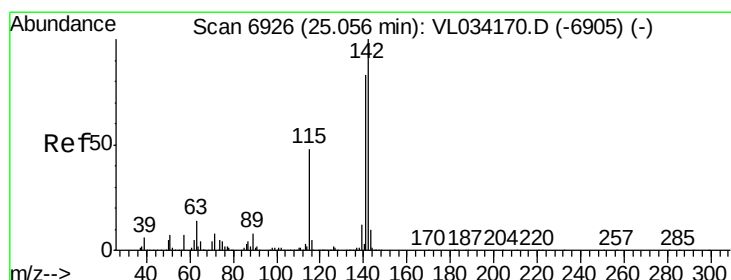
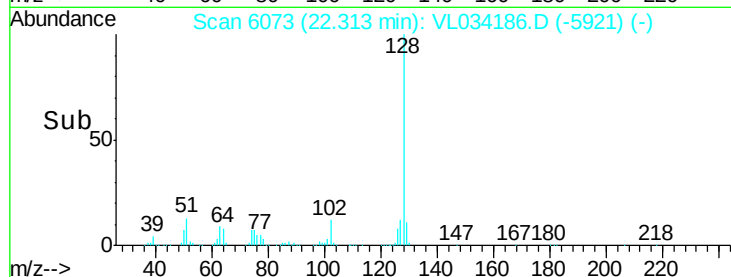
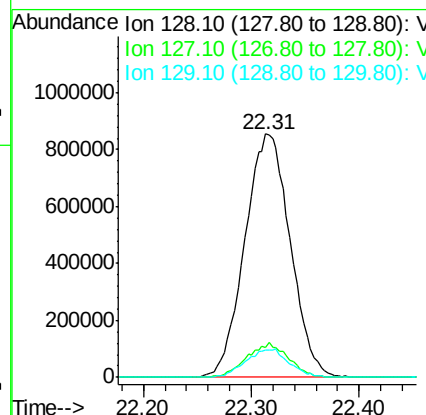
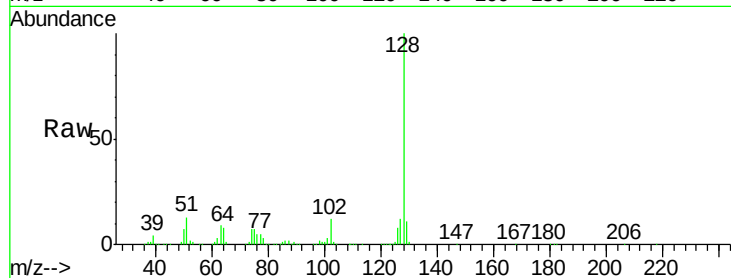
#79
Naphthalene
Concen: 8.449 ppbv
RT: 22.31 min Scan# 6073
Delta R.T. -0.01 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Instrument :
MSVOA_L
ClientSampleId :
VL0918ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.2	11.1	16.7
129	11.1	10.2	15.4

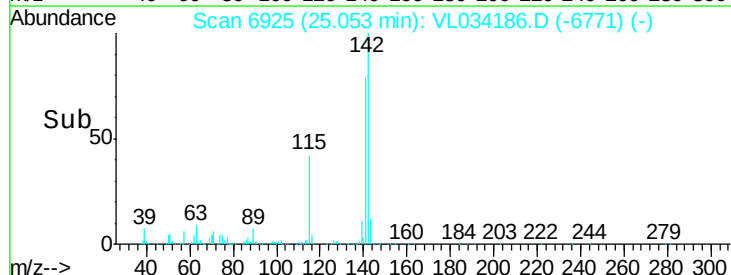
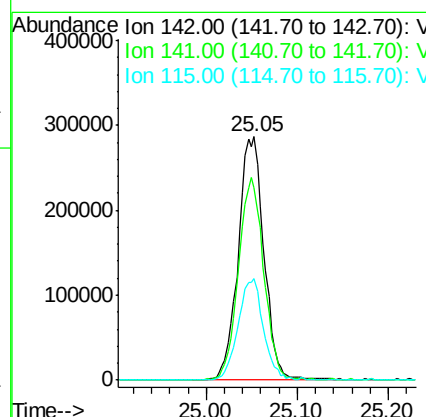
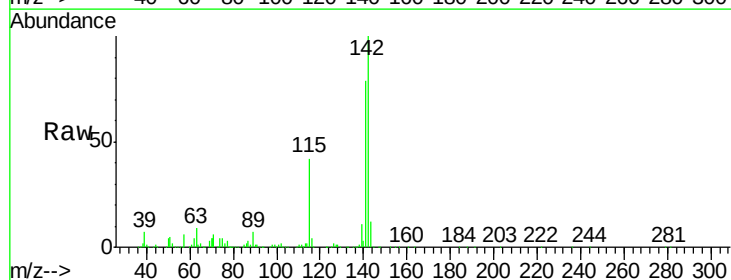
Manual Integrations
APPROVED

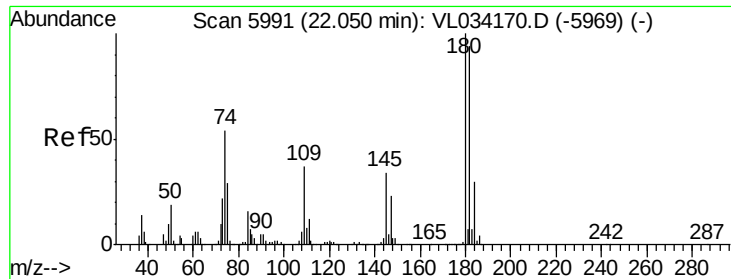
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9/20/2019 12:37:15 AM



#80
Naphthalene, 2-methyl-
Concen: 4.112 ppbv
RT: 25.05 min Scan# 6925
Delta R.T. -0.00 min
Lab File: VL034186.D
Acq: 18 Sep 2019 17:07

Tgt Ion	Ratio	Lower	Upper
142	100		
141	82.1	67.6	101.4
115	41.2	36.9	55.3





#81
 1,2,4-Trichlorobenzene
 Concen: 8.222 ppbv
 RT: 22.04 min Scan# 5988
 Delta R.T. -0.01 min
 Lab File: VL034186.D
 Acq: 18 Sep 2019 17:07

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0918ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	77.4	116.2
184	31.2	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
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