

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022720\
 Data File : VL034706.D
 Acq On : 27 Feb 2020 12:36
 Operator : SY/AP
 Sample : VL0227ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0227ABS01

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:32:29 PM

Quant Time: Feb 28 01:23:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 28
 QLast Update : Wed Feb 26 06:58:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	1002766	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.21	114	2089650	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.14	117	2231706m	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	1798932	9.83	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.30%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	1340225	8.472	ppbv 96
3) Chlorodifluoromethane	2.96	51	1016048	9.389	ppbv 99
4) Chloromethane	3.12	50	565934	9.342	ppbv 97
5) Vinyl Chloride	3.24	62	552536	9.297	ppbv 100
6) Bromomethane	3.46	94	326393	9.374	ppbv 90
7) Chloroethane	3.54	64	206437	9.357	ppbv 92
8) Dichlorotetrafluoroethane	3.17	85	1275804	9.118	ppbv 99
9) Propene	2.99	41	413443	9.140	ppbv 100
10) Heptane	8.16	43	1170013	10.049	ppbv 100
11) Trichlorofluoromethane	3.94	101	1322446	9.544	ppbv 99
12) 1,1,2-Trichlorotrifluoroet	4.48	101	906547	9.282	ppbv 100
13) Ethanol	3.60	45	118109	8.265	ppbv 95
14) Bromoethene	3.73	108	398569	9.781	ppbv 98
15) Acetone	3.84	43	1032364	9.035	ppbv 100
16) 1,3-Butadiene	3.31	39	526001	9.944	ppbv 98
17) tert-Butyl alcohol	4.29	59	914437	10.443	ppbv 99
18) 1,1-Dichloroethene	4.29	96	423482	9.658	ppbv 97
19) Isopropyl Alcohol	3.96	45	736434	10.820	ppbv 100
20) Methylene Chloride	4.34	84	371956	8.753	ppbv 97
21) Allyl Chloride	4.41	41	743607	9.836	ppbv 98
22) trans-1,2-Dichloroethene	4.89	96	406573	9.510	ppbv 98
23) Vinyl Acetate	5.08	43	1622136	10.442	ppbv 100
24) 1,1-Dichloroethane	5.02	63	1170886	9.438	ppbv 99
25) Ethyl Acetate	5.69	43	1963718	9.708	ppbv 100
26) Hexane	5.70	57	881962	9.460	ppbv 98
27) Carbon Disulfide	4.55	76	1089430	10.294	ppbv 99
28) Methyl tert-Butyl Ether	5.04	73	1275416	9.576	ppbv 99
29) Chloroform	5.77	83	1405416	9.462	ppbv 97
30) Cyclohexane	7.16	84	722970	10.006	ppbv 98
31) cis-1,2-Dichloroethene	5.56	61	920514	10.033	ppbv 93
32) 1,1,1-Trichloroethane	6.54	97	1367279	9.857	ppbv 99
34) 2-Butanone	5.25	43	1293976	9.838	ppbv 98
35) Carbon Tetrachloride	7.05	117	1409246	10.070	ppbv 99
36) Benzene	6.92	78	1748049	9.686	ppbv 96
37) 1,2-Dichloroethane	6.33	62	1169298	10.278	ppbv 98
38) Trichloroethene	7.87	130	654881	9.414	ppbv 96
39) 1,2-Dichloropropane	7.65	63	697280	9.711	ppbv 97
40) 1,4-Dioxane	7.87	88	262617	10.755	ppbv 98
41) Tetrahydrofuran	6.07	42	711428	10.248	ppbv 100
42) Bromodichloromethane	7.83	83	1547311	10.388	ppbv 98
43) Methyl Methacrylate	8.05	69	800342	10.543	ppbv 99

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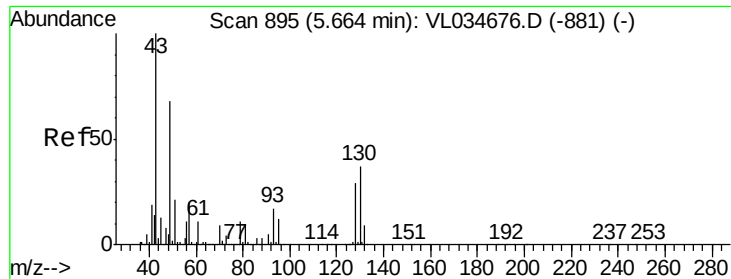
Manual Integrations
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Quant Time: Feb 28 01:23:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 2
 QLast Update : Wed Feb 26 06:58:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.90	57	3072728	9.741	ppbv	99
45) t-1,3-Dichloropropene	9.32	75	956361	11.545	ppbv	99
46) cis-1,3-Dichloropropene	8.74	75	1127783	11.352	ppbv	98
47) 1,1,2-Trichloroethane	9.52	97	725348	9.847	ppbv	97
48) Dibromochloromethane	10.36	129	1234769	10.780	ppbv	100
49) Bromoform	13.10	173	1089911	10.974	ppbv	98
50) 4-Methyl-2-Pentanone	8.78	43	2000133	10.736	ppbv	99
51) 2-Hexanone	10.18	43	1679245	11.454	ppbv #	98
52) Tetrachloroethene	11.28	164	609919	9.219	ppbv	97
53) Toluene	9.85	91	2008923	10.465	ppbv	99
54) 1,2-Dibromoethane	10.67	107	1126147	10.247	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.18	131	877805	9.235	ppbv #	60
57) Chlorobenzene	12.20	112	1524430	9.242	ppbv	96
58) Ethyl Benzene	12.77	91	2719040	10.070	ppbv	99
59) m/p-Xylene	13.06	91	4517677m	19.184	ppbv	
60) o-Xylene	13.75	91	2248946	9.624	ppbv	99
61) Styrene	13.59	104	1583842	10.551	ppbv	98
62) Isopropylbenzene	14.73	105	3150065	9.240	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.74	83	1645950	9.037	ppbv	100
64) n-propylbenzene	15.63	120	818117	9.309	ppbv	92
65) tert-Butylbenzene	16.81	119	2740128	9.309	ppbv	99
66) Benzyl Chloride	17.06	91	1323601	12.054	ppbv	99
67) sec-Butylbenzene	17.37	105	3911389	9.234	ppbv	99
69) p-Isopropyltoluene	17.72	119	3225809	9.251	ppbv	99
70) n-Butylbenzene	18.62	91	3474604	9.151	ppbv	100
71) 2-Chlorotoluene	15.52	91	2485659	9.414	ppbv	99
72) 4-Ethyltoluene	15.91	105	2609304	10.032	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	2456934	9.819	ppbv	98
74) 1,2,4-Trimethylbenzene	16.83	105	2552966	9.239	ppbv	97
75) 1,3-Dichlorobenzene	17.07	146	1453539	9.113	ppbv	99
76) 1,4-Dichlorobenzene	17.21	146	1457807	9.135	ppbv	98
77) 1,2-Dichlorobenzene	17.89	146	1406694	9.122	ppbv	98
78) Hexachloro-1,3-Butadiene	23.45	225	1080343	8.046	ppbv	98
79) Naphthalene	22.30	128	2462680	10.127	ppbv	99
80) Naphthalene, 2-methyl-	25.04	142	540698	7.208	ppbv	99
81) 1,2,4-Trichlorobenzene	22.02	180	1300246	8.958	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 901

Delta R.T. 0.02 min

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VL0227ABS01

Tot Ion: 49 Resp: 1002766

Ion Ratio Lower Upper

49 100

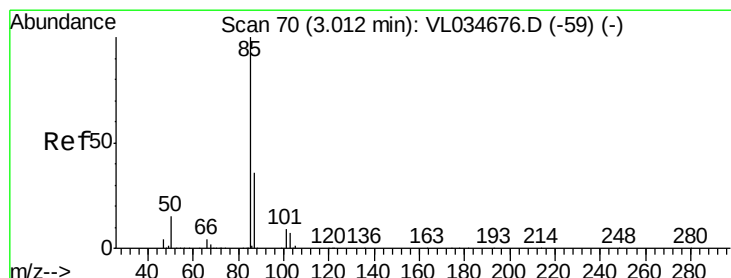
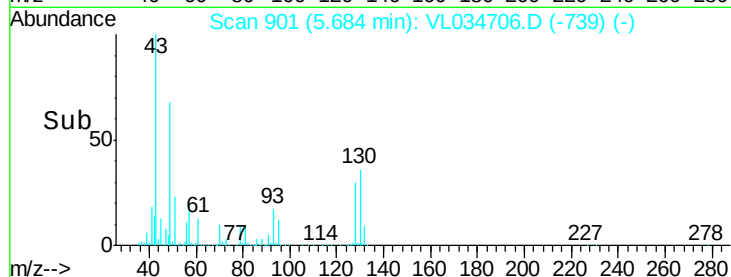
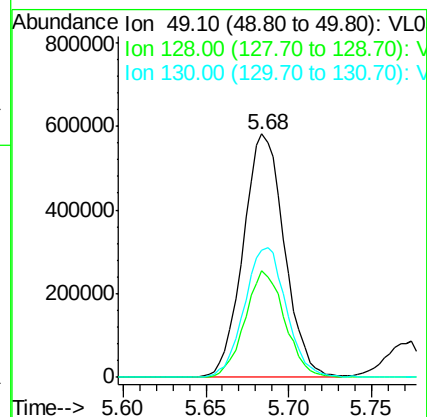
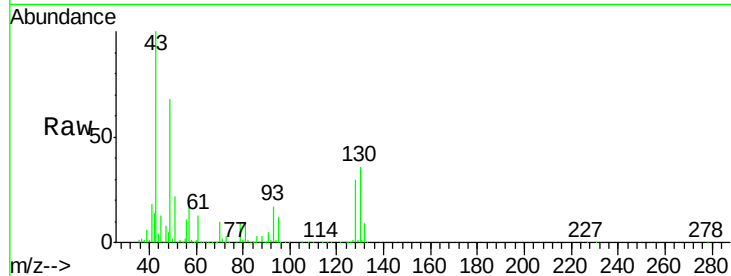
128 42.8 21.6 65.0

130 54.9 27.7 83.1

Manual Integrations
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#2

Dichlorodifluoromethane

Concen: 8.472 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.01 min

Lab File: VL034706.D

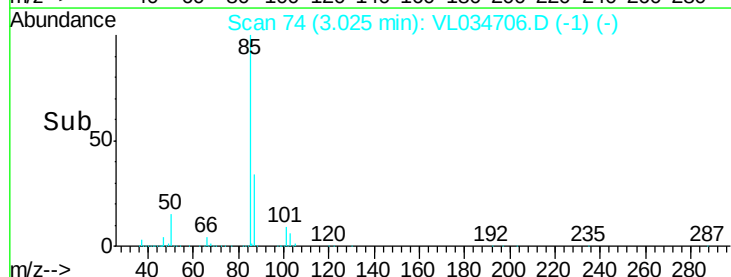
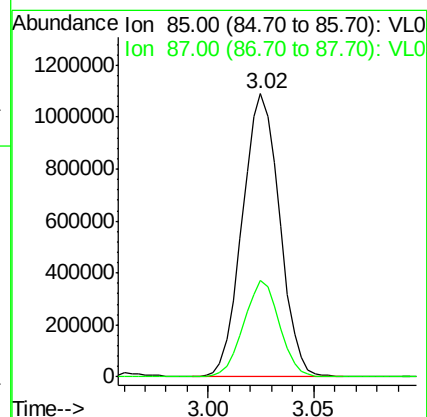
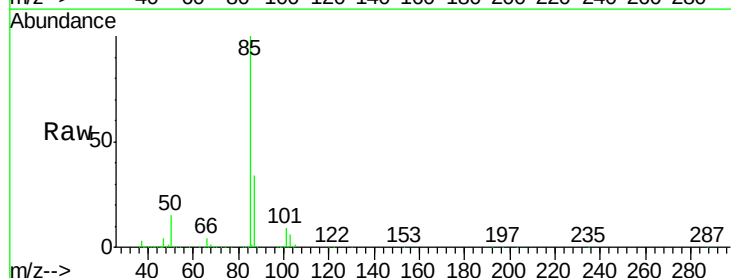
Acq: 27 Feb 2020 12:36

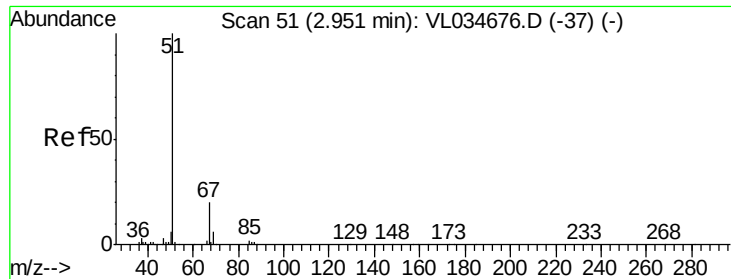
Tgt Ion: 85 Resp: 1340225

Ion Ratio Lower Upper

85 100

87 34.0 29.2 43.8





#3

Chlorodifluoromethane

Concen: 9.389 ppbv

RT: 2.96 min Scan# 55

Delta R.T. 0.01 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Tot Ion: 51 Resp: 1016048

Ion Ratio Lower Upper

51 100

67 19.8 15.5 23.3

Instrument :

MSVOA_L

ClientSampleId :

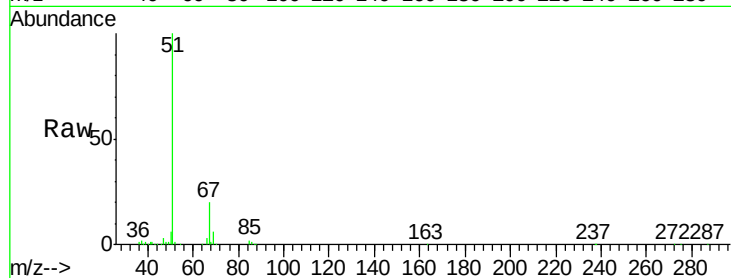
VL0227ABS01

Manual Integrations

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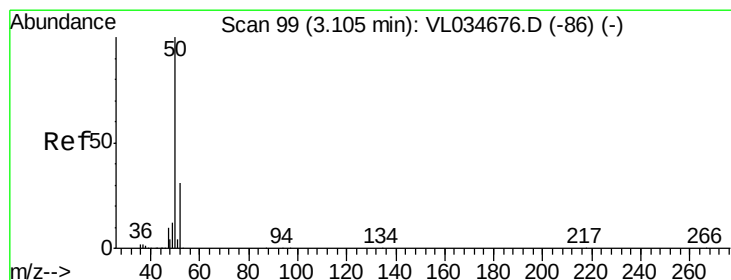
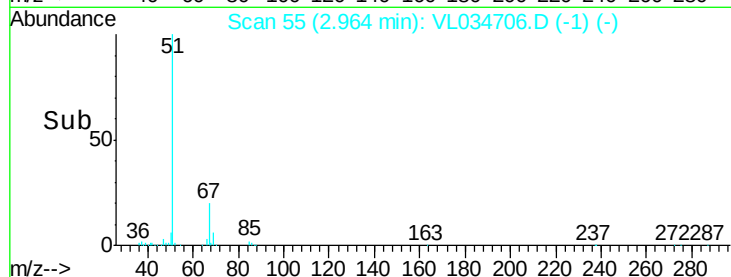
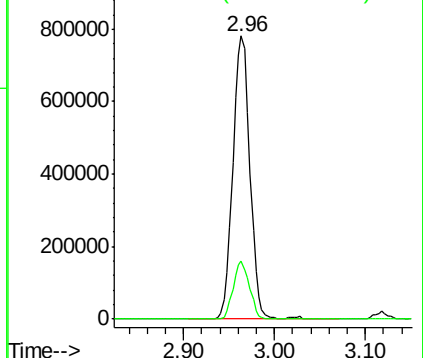
MMDadoda

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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: 9.342 ppbv

RT: 3.12 min Scan# 103

Delta R.T. 0.01 min

Lab File: VL034706.D

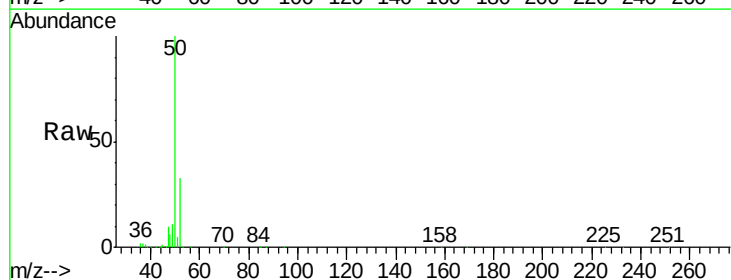
Acq: 27 Feb 2020 12:36

Tgt Ion: 50 Resp: 565934

Ion Ratio Lower Upper

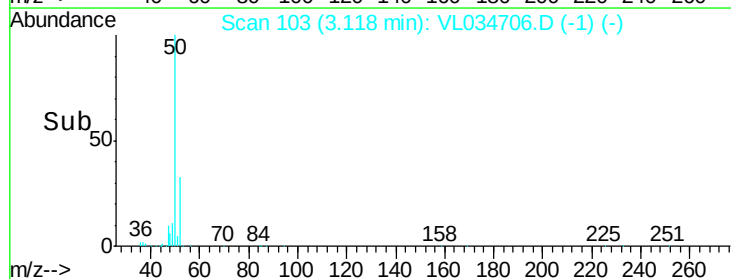
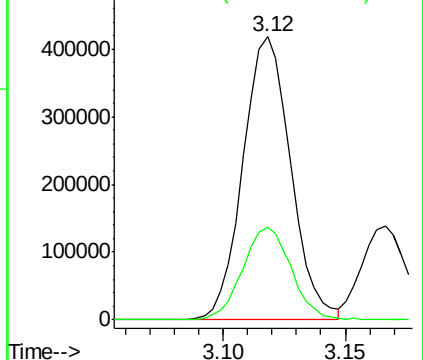
50 100

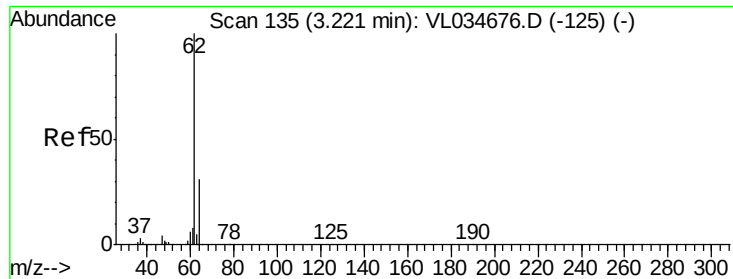
52 32.6 25.0 37.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.297 ppbv

RT: 3.24 min Scan# 140

Delta R.T. 0.02 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tot Ion: 62 Resp: 552536

Ion Ratio Lower Upper

62 100

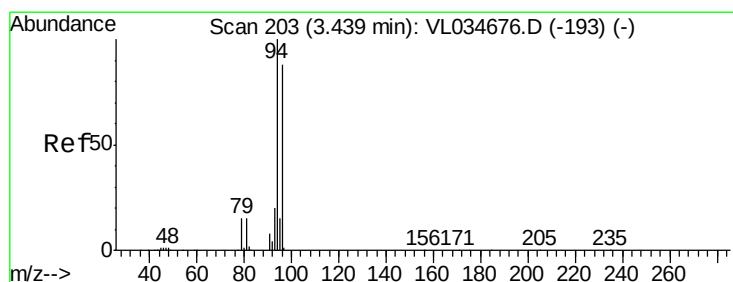
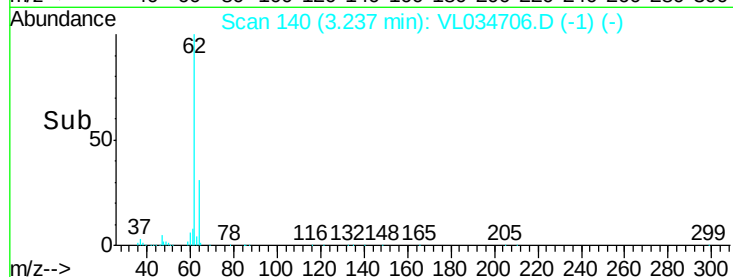
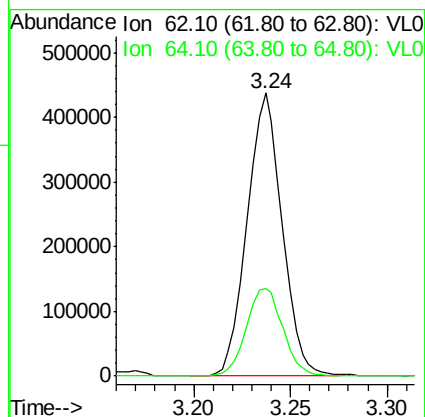
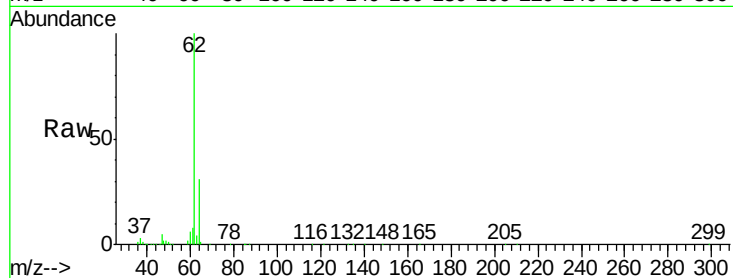
64 30.8 24.7 37.1

Manual Integrations

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#6

Bromomethane

Concen: 9.374 ppbv

RT: 3.46 min Scan# 209

Delta R.T. 0.02 min

Lab File: VL034706.D

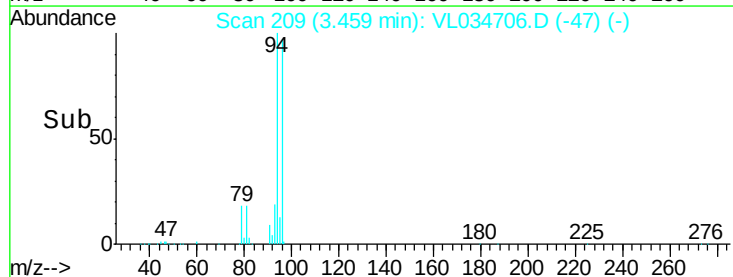
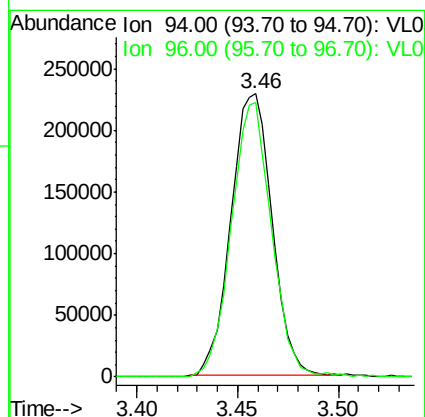
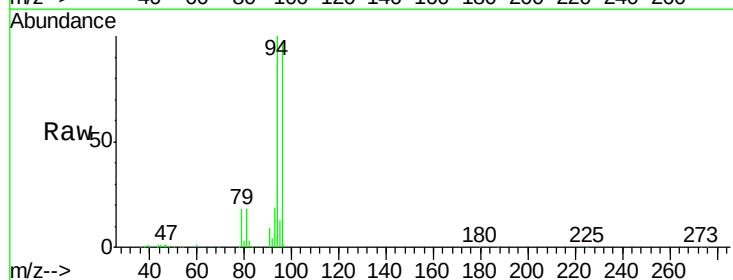
Acq: 27 Feb 2020 12:36

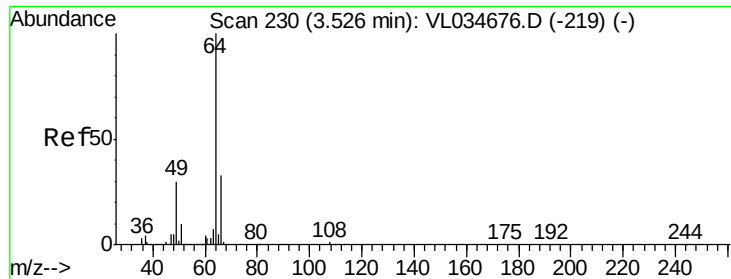
Tgt Ion: 94 Resp: 326393

Ion Ratio Lower Upper

94 100

96 97.0 70.5 105.7





#7

Chloroethane

Concen: 9.357 ppbv

RT: 3.54 min Scan# 235

Delta R.T. 0.02 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tot Ion: 64 Resp: 206437

Ion Ratio Lower Upper

64 100

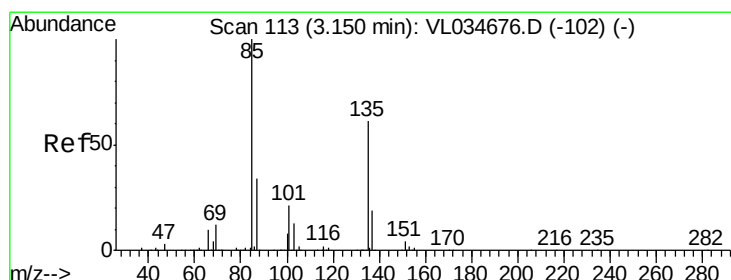
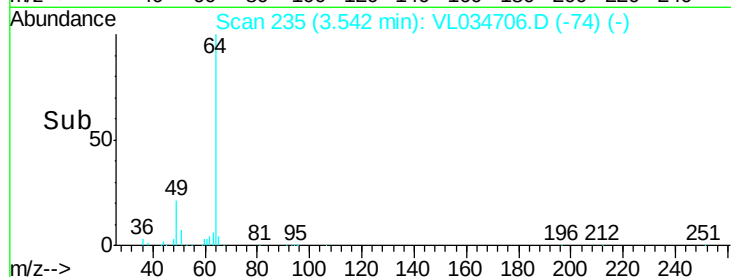
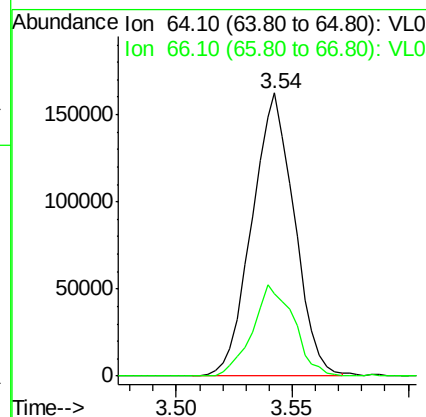
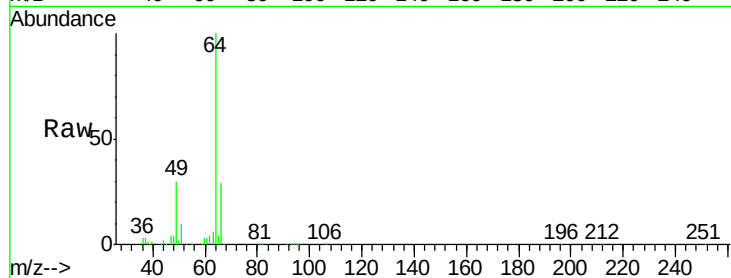
66 29.0 26.7 40.1

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.118 ppbv

RT: 3.17 min Scan# 118

Delta R.T. 0.02 min

Lab File: VL034706.D

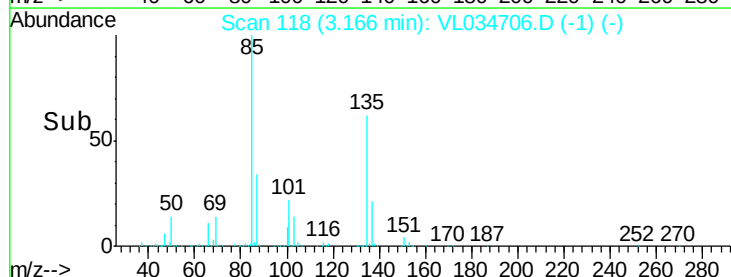
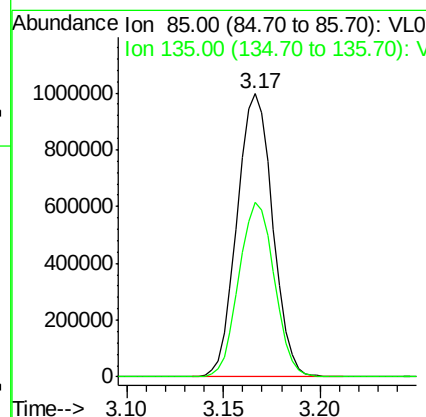
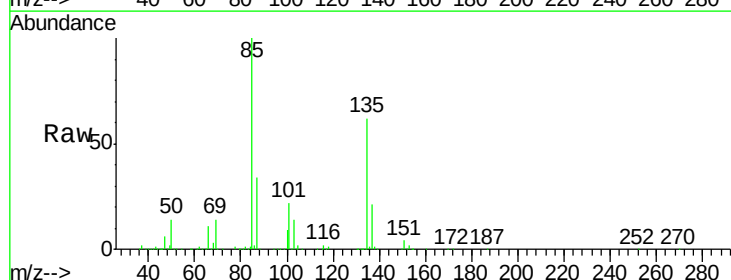
Acq: 27 Feb 2020 12:36

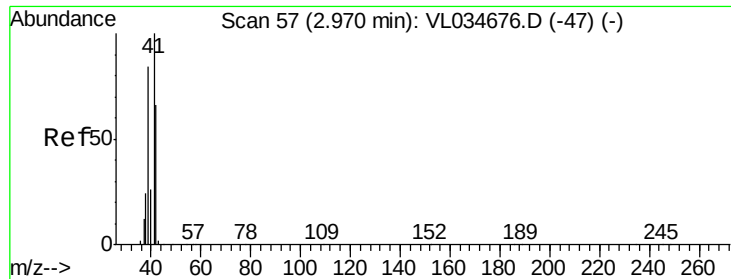
Tgt Ion: 85 Resp: 1275804

Ion Ratio Lower Upper

85 100

135 61.7 49.8 74.6





#9

Propene

Concen: 9.140 ppbv

RT: 2.99 min Scan# 62

Delta R.T. 0.02 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tot Ion: 41 Resp: 413443

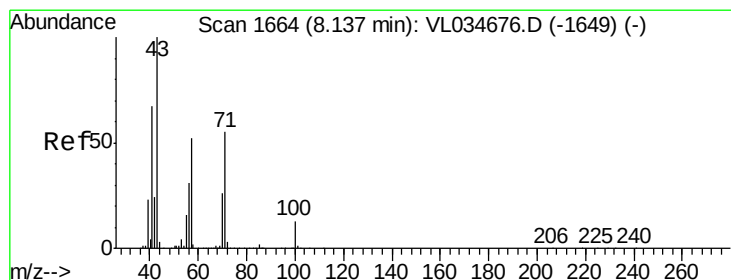
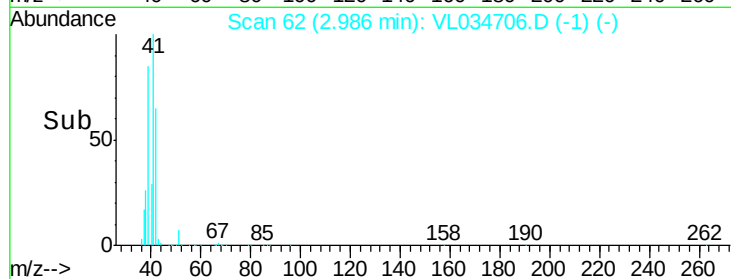
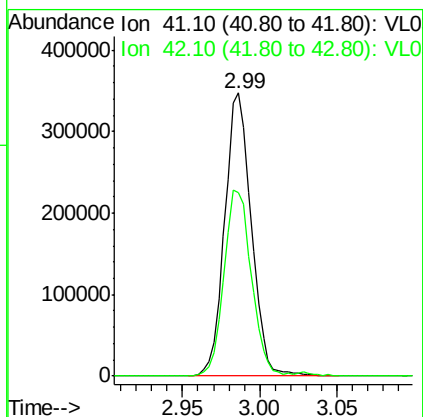
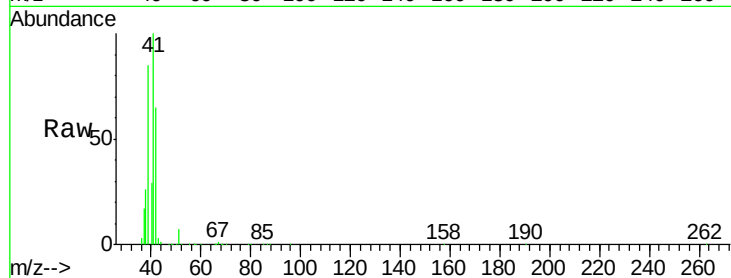
Ion Ratio Lower Upper

41 100

42 69.0 54.9 82.3

Manual Integrations
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#10

Heptane

Concen: 10.049 ppbv

RT: 8.16 min Scan# 1671

Delta R.T. 0.02 min

Lab File: VL034706.D

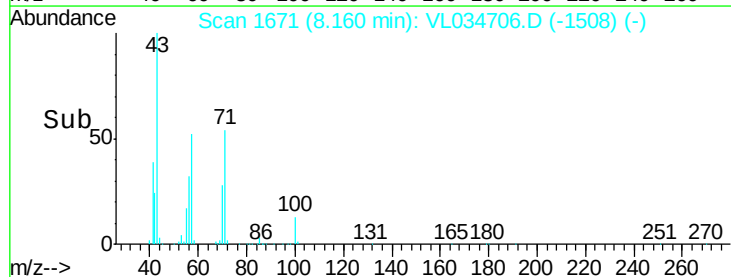
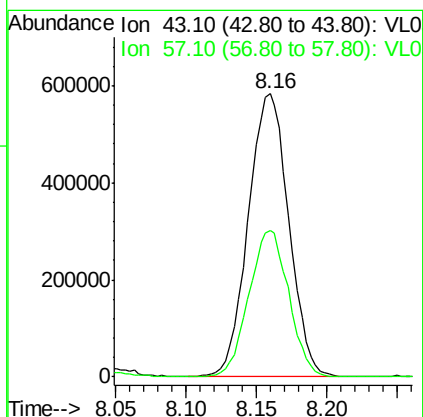
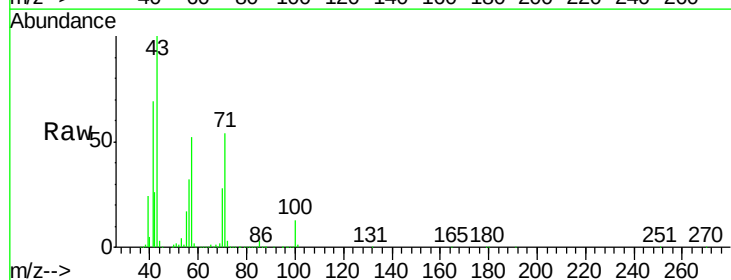
Acq: 27 Feb 2020 12:36

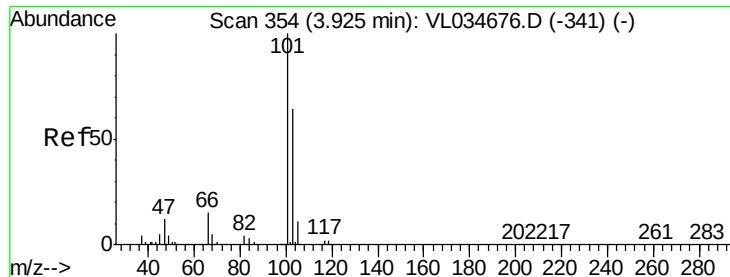
Tgt Ion: 43 Resp: 1170013

Ion Ratio Lower Upper

43 100

57 51.1 41.0 61.6





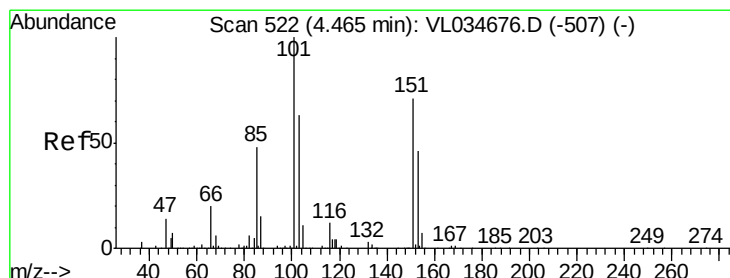
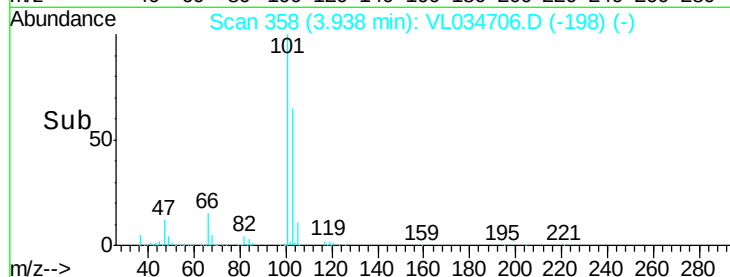
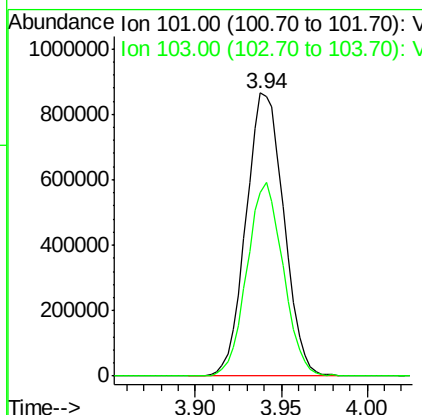
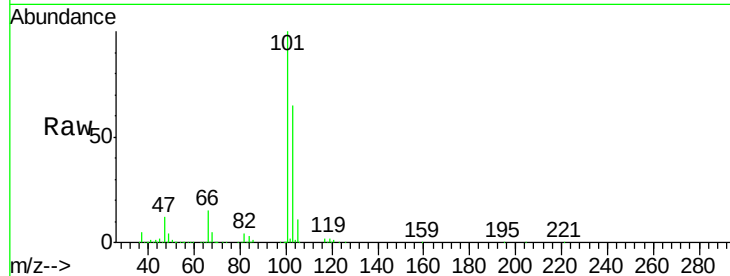
#11
 Trichlorofluoromethane
 Concen: 9.544 ppbv
 RT: 3.94 min Scan# 358
 Delta R.T. 0.01 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tot Ion:101 Resp: 1322446
 Ion Ratio Lower Upper
 101 100
 103 64.9 51.2 76.8

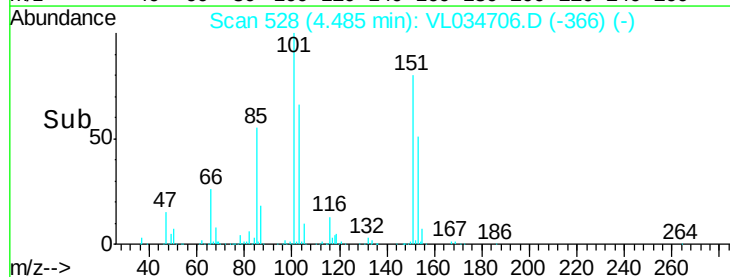
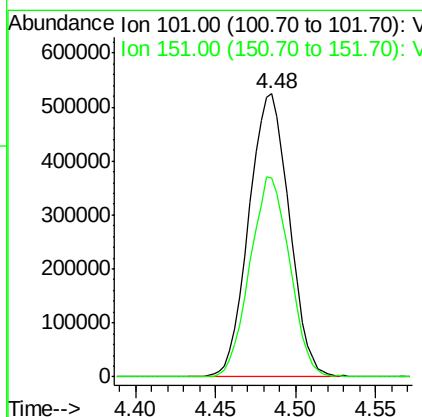
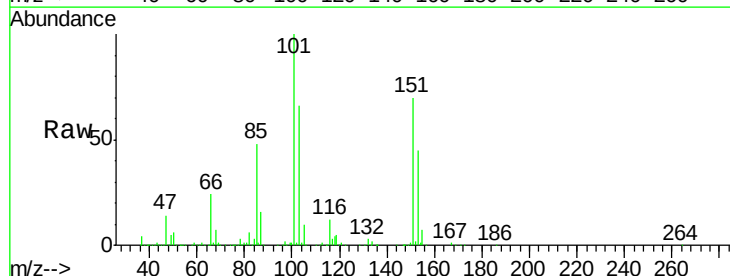
Manual Integrations
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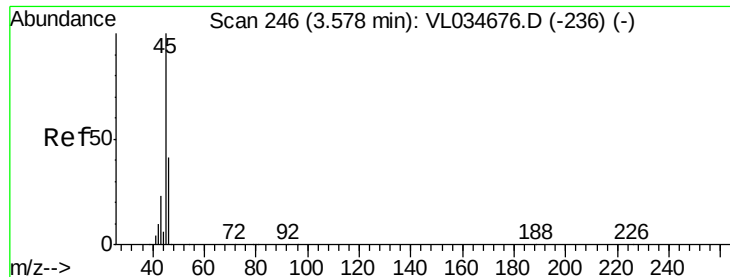
MMDadoda
 2/28/2020 12:32:29 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.282 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tgt Ion:101 Resp: 906547
 Ion Ratio Lower Upper
 101 100
 151 69.7 55.8 83.6





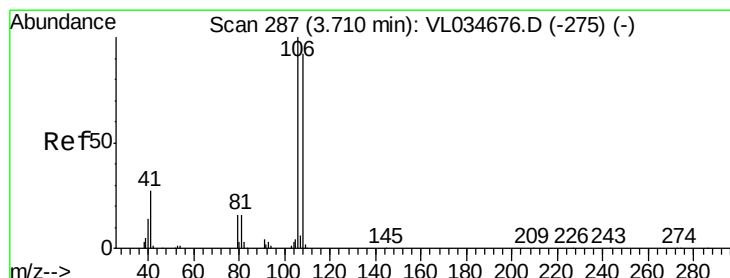
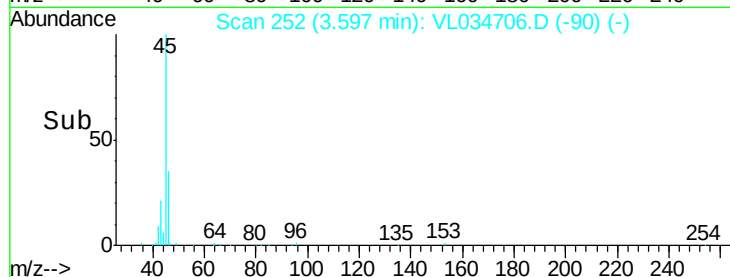
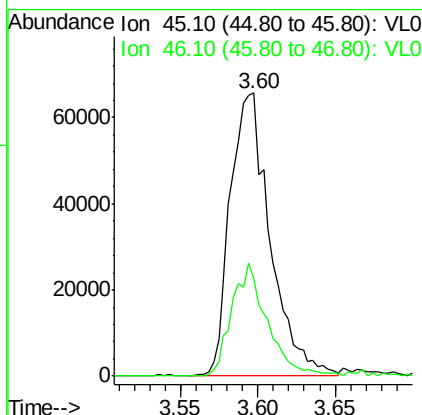
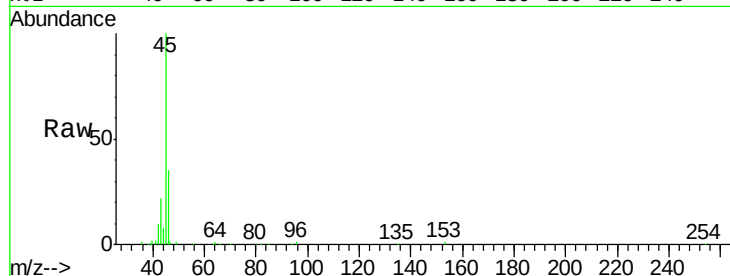
#13
Ethanol
Concen: 8.265 ppbv
RT: 3.60 min Scan# 252
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
46	35.2	15.4	61.4

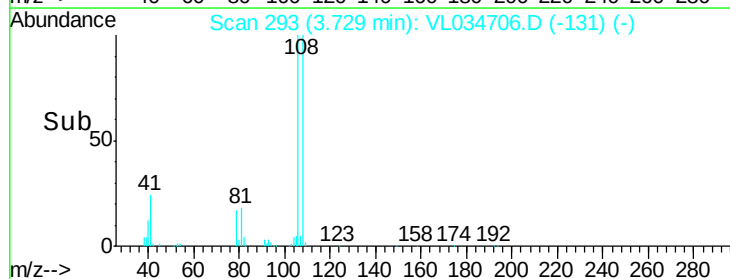
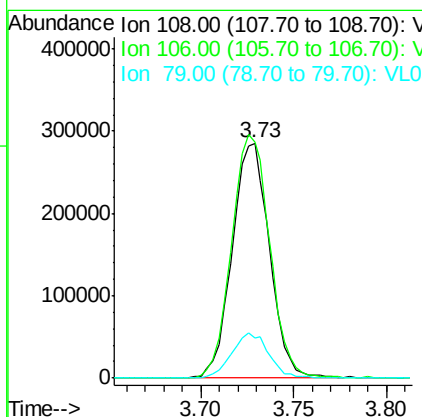
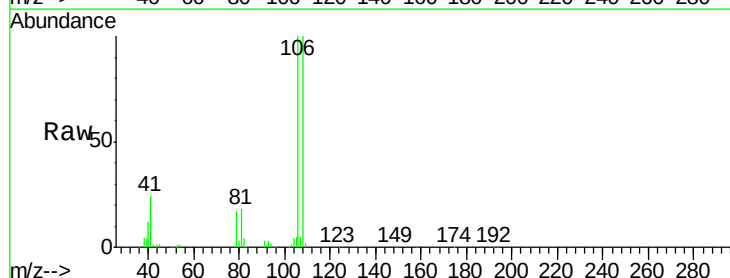
Manual Integrations
APPROVED

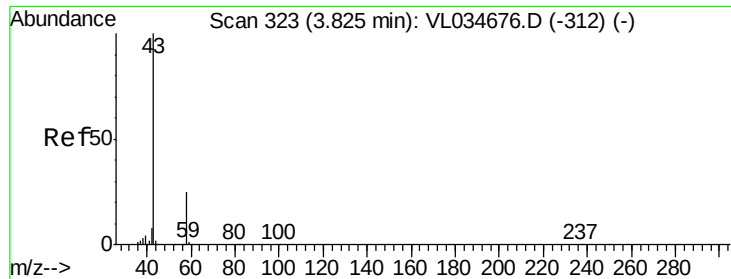
MMDadoda
2/28/2020 12:32:29 PM



#14
Bromoethene
Concen: 9.781 ppbv
RT: 3.73 min Scan# 293
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.2	86.7	130.1
79	19.3	15.0	22.6





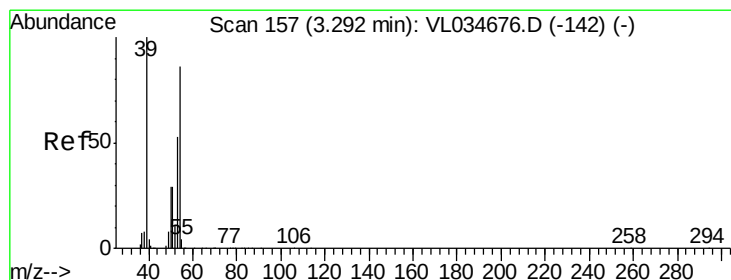
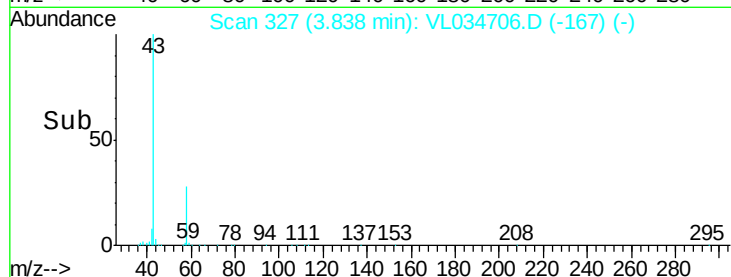
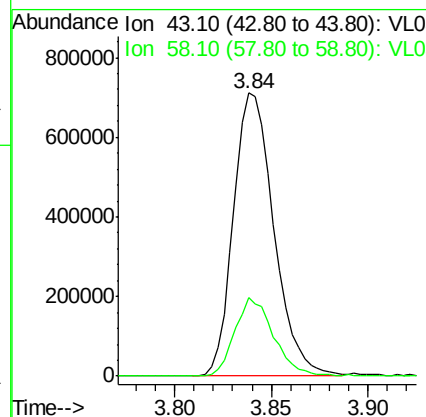
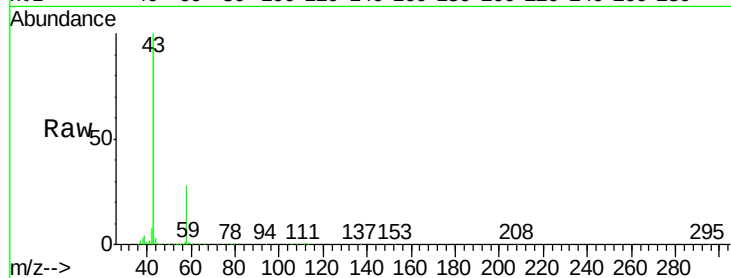
#15
Acetone
Concen: 9.035 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.01 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tot Ion: 43 Resp: 1032364
Ion Ratio Lower Upper
43 100
58 26.6 21.4 32.0

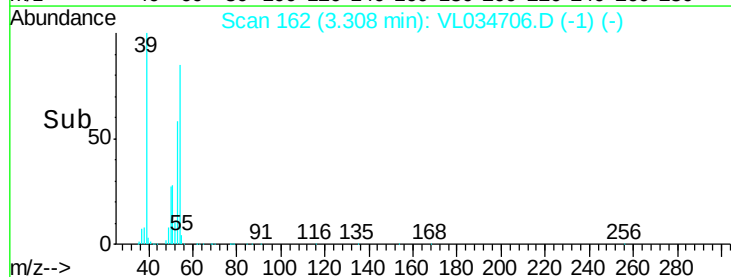
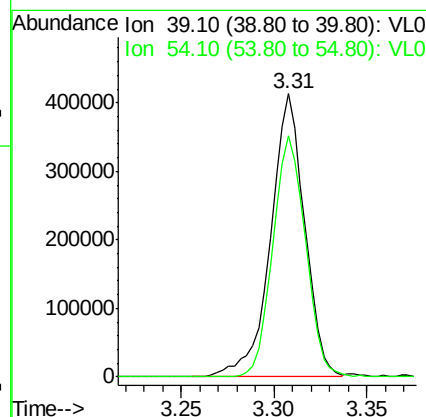
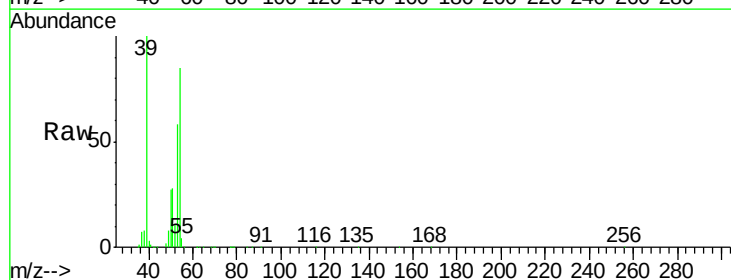
Manual Integrations
APPROVED

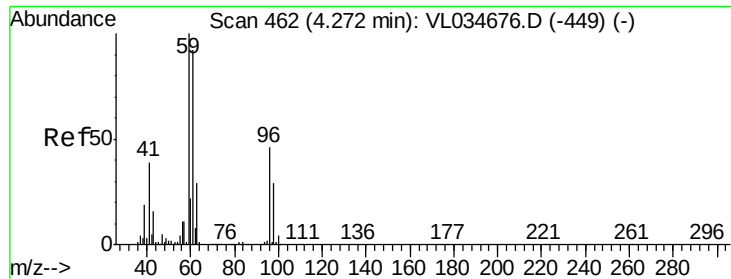
MMDadoda
2/28/2020 12:32:29 PM



#16
1,3-Butadiene
Concen: 9.944 ppbv
RT: 3.31 min Scan# 162
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tgt Ion: 39 Resp: 526001
Ion Ratio Lower Upper
39 100
54 82.1 67.0 100.6





#17

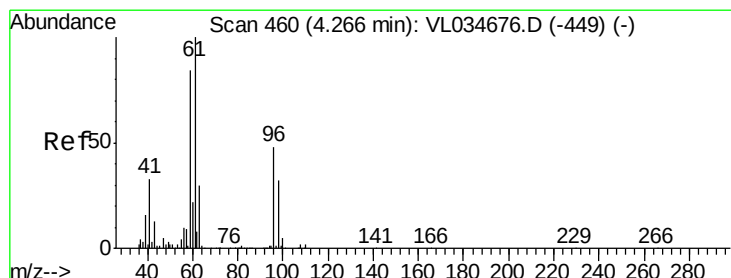
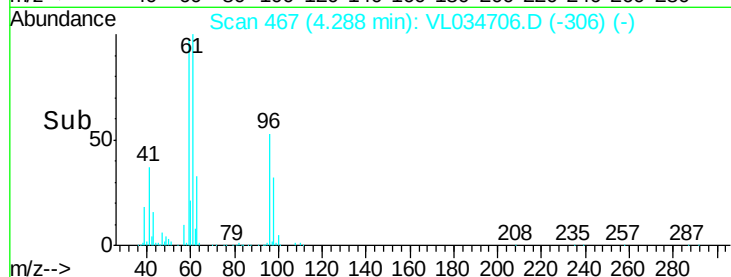
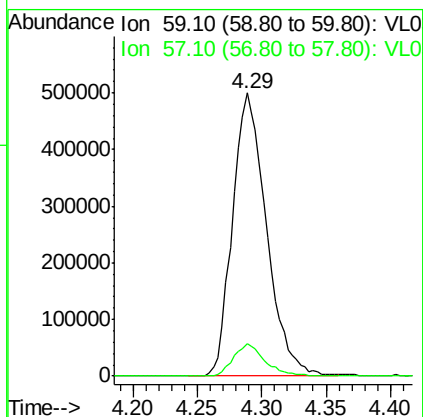
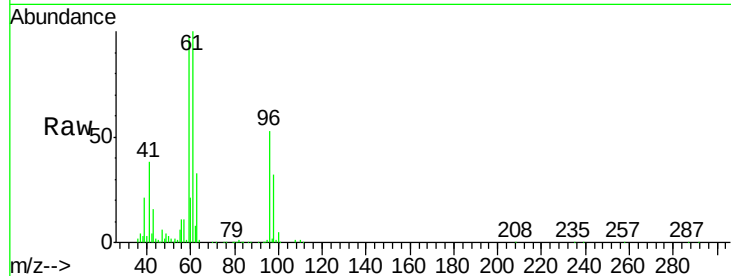
tert-Butyl alcohol
Concen: 10.443 ppbv
RT: 4.29 min Scan# 467
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.6	8.8	13.2

Manual Integrations
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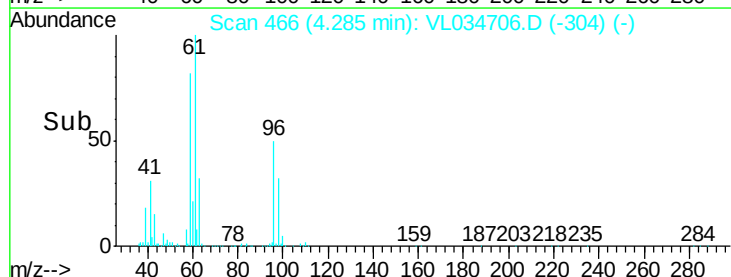
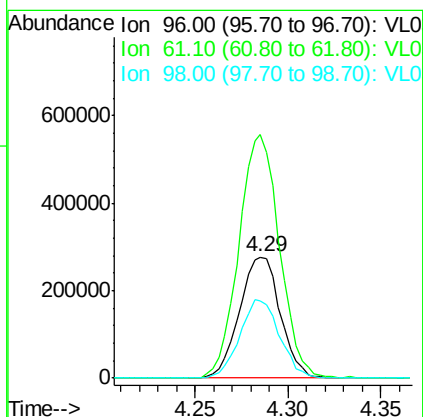
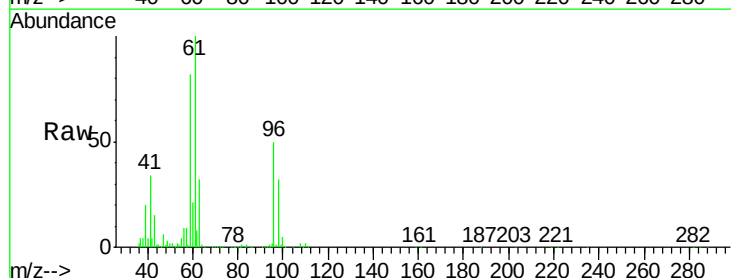
MMDadoda
2/28/2020 12:32:29 PM

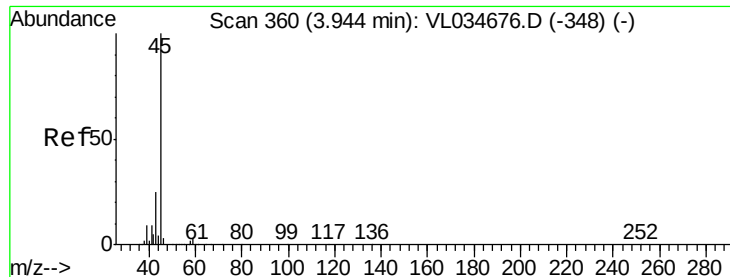


#18

1,1-Dichloroethene
Concen: 9.658 ppbv
RT: 4.29 min Scan# 466
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	201.5	165.1	247.7
98	63.4	52.7	79.1





#19

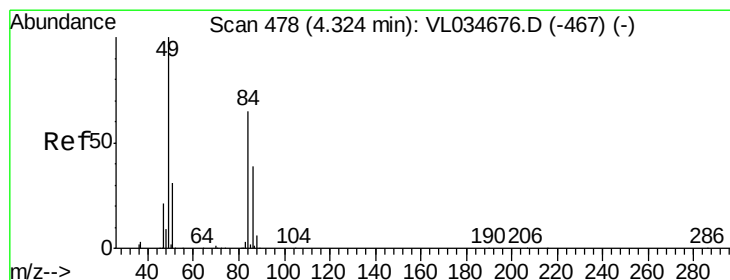
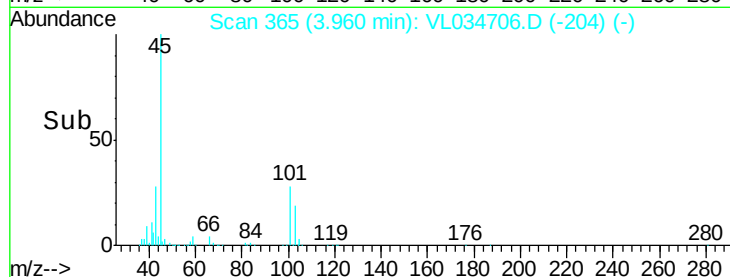
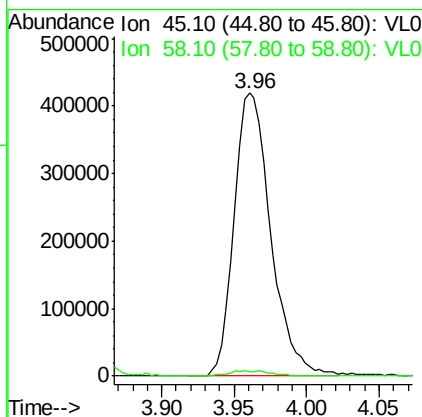
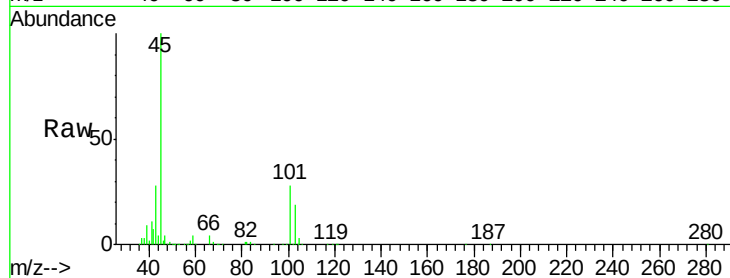
Isopropyl Alcohol
 Concen: 10.820 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	2.2	1.8	2.6

Manual Integrations
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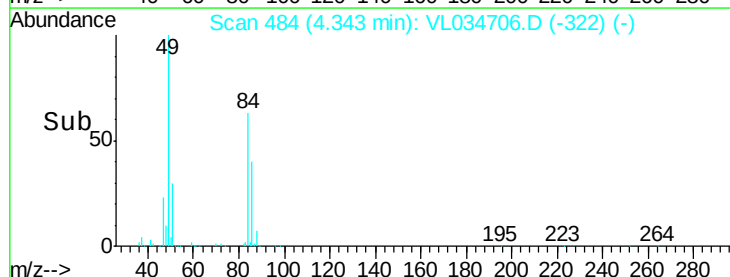
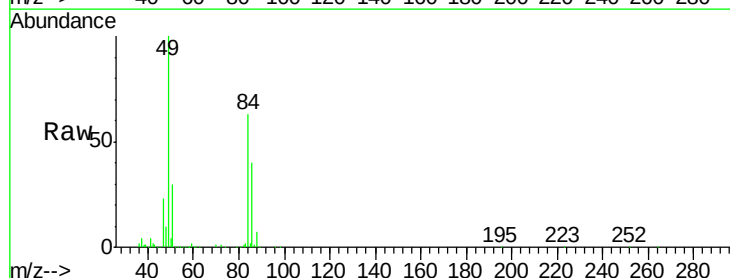
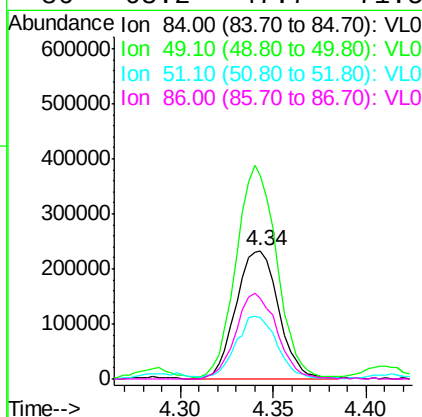
MMDadoda
 2/28/2020 12:32:29 PM

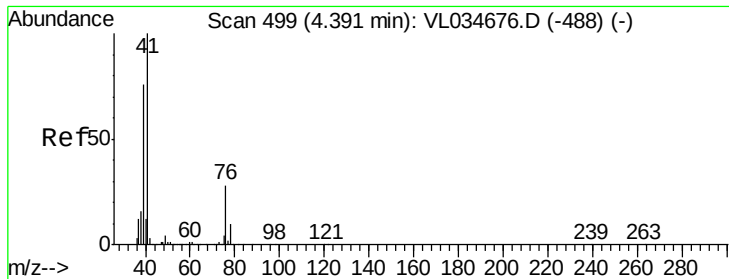


#20

Methylene Chloride
 Concen: 8.753 ppbv
 RT: 4.34 min Scan# 484
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
84	100		
49	157.1	122.8	184.2
51	46.9	38.6	58.0
86	63.2	47.7	71.5





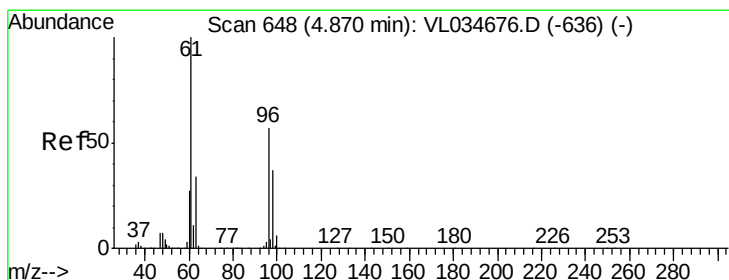
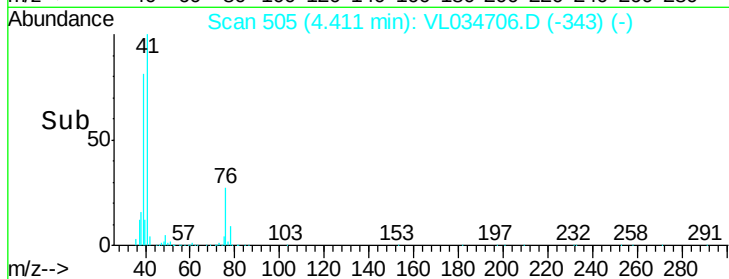
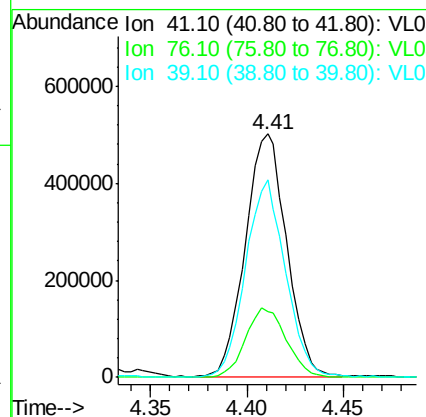
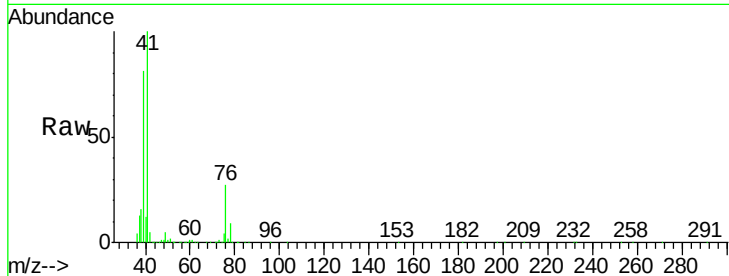
#21
 Allvl Chloride
 Concen: 9.836 ppbv
 RT: 4.41 min Scan# 505
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.2	22.8	34.2
39	79.3	61.7	92.5

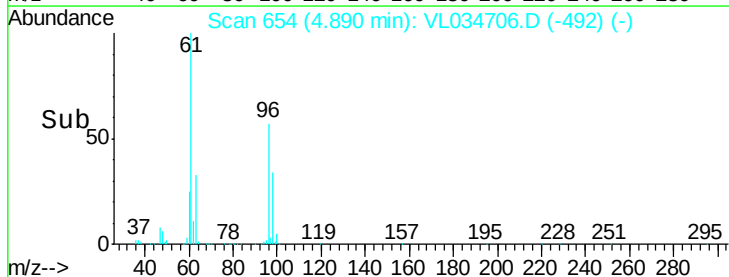
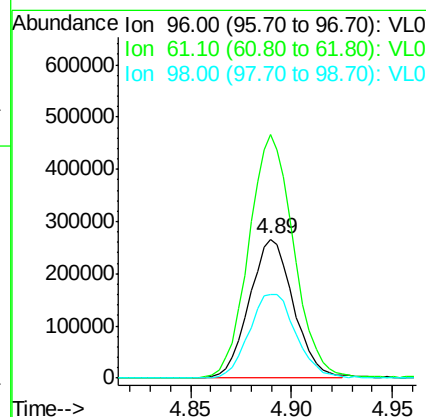
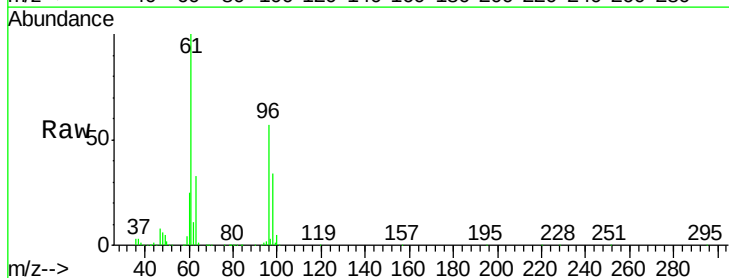
Manual Integrations
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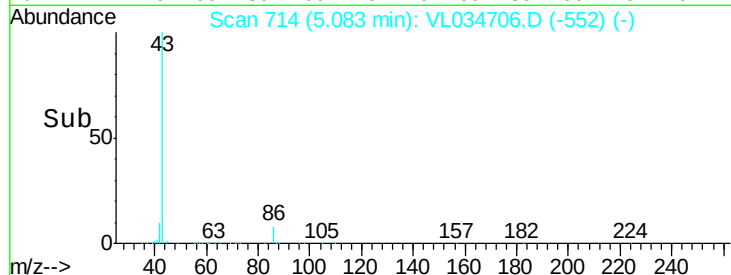
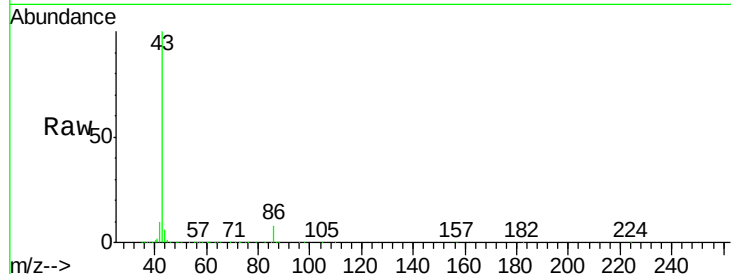
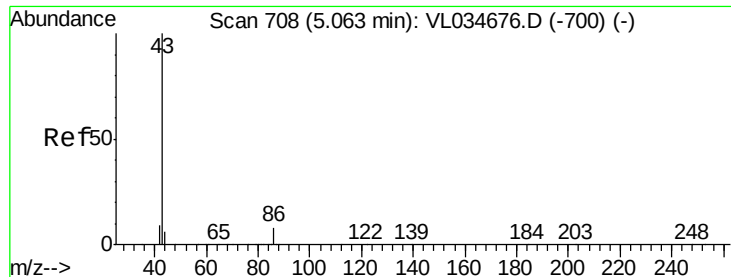
MMDadoda
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#22
 trans-1,2-Dichloroethene
 Concen: 9.510 ppbv
 RT: 4.89 min Scan# 654
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
96	100		
61	175.2	139.4	209.0
98	60.1	51.3	76.9





#23

Vinyl Acetate

Concen: 10.442 ppbv

RT: 5.08 min Scan# 714

Delta R.T. 0.02 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Tot Ion	Ion	Ratio	Lower	Upper
1622136	43	100		
	86	7.6	6.0	9.0
	42	9.9	8.0	12.0
	44	5.5	4.5	6.7

Instrument :

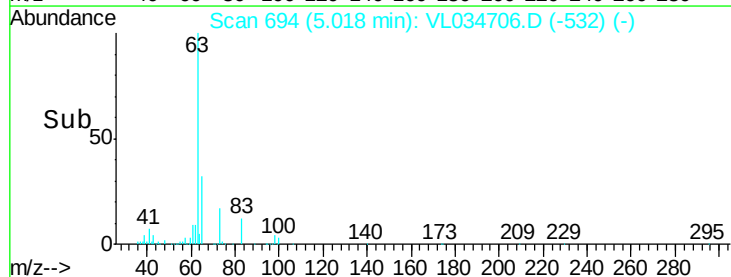
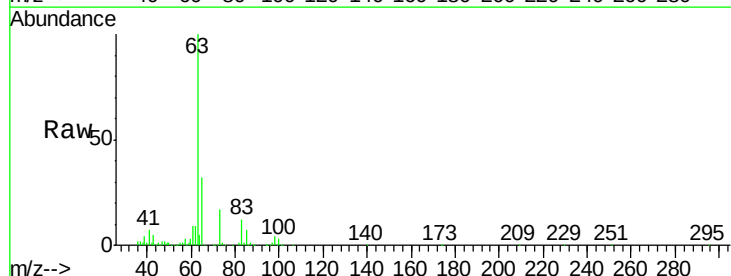
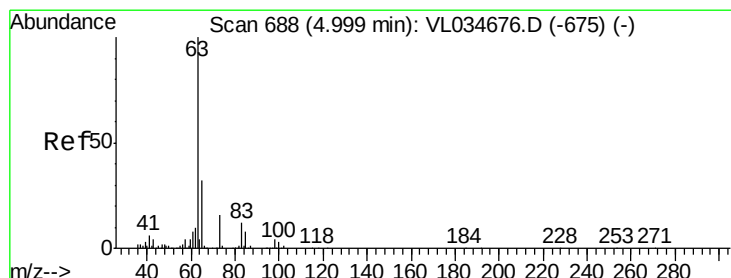
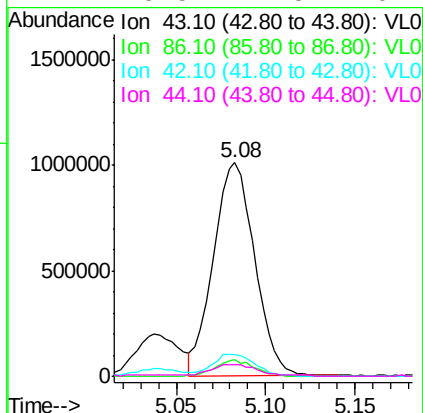
MSVOA_L

ClientSampleId :

VL0227ABS01

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#24

1,1-Dichloroethane

Concen: 9.438 ppbv

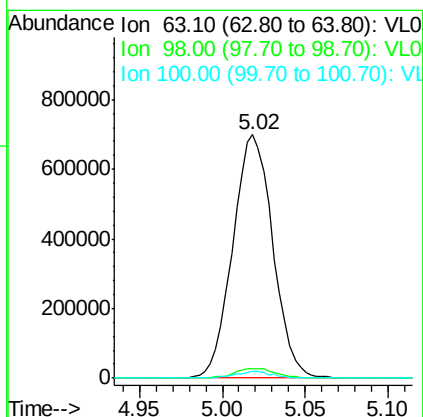
RT: 5.02 min Scan# 694

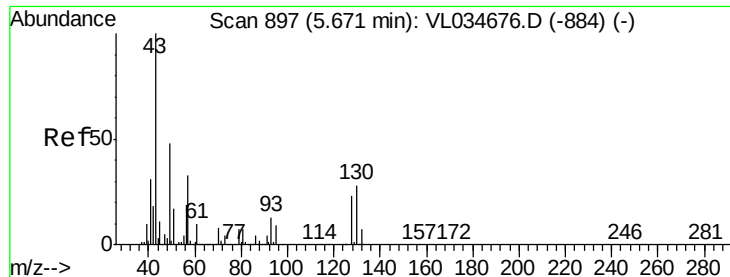
Delta R.T. 0.02 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Tgt Ion	Ion	Ratio	Lower	Upper
1170886	63	100		
	98	3.7	2.1	6.2
	100	3.2	1.4	4.0





#25

Ethyl Acetate

Concen: 9.708 ppbv

RT: 5.69 min Scan# 904

Delta R.T. 0.02 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tot Ion: 43 Resp: 1963718

Ion Ratio Lower Upper

43 100

45 10.3 8.2 12.4

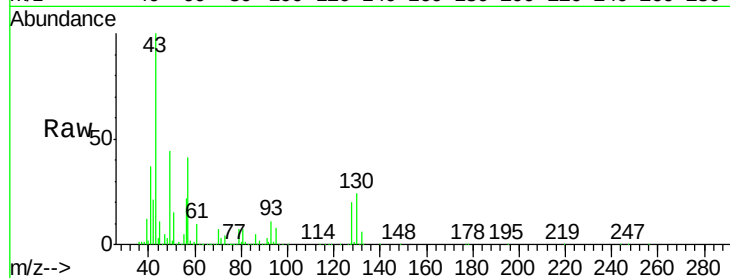
61 9.5 7.8 11.6

70 7.4 6.1 9.1

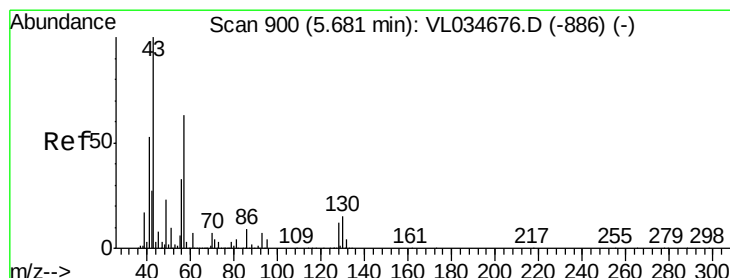
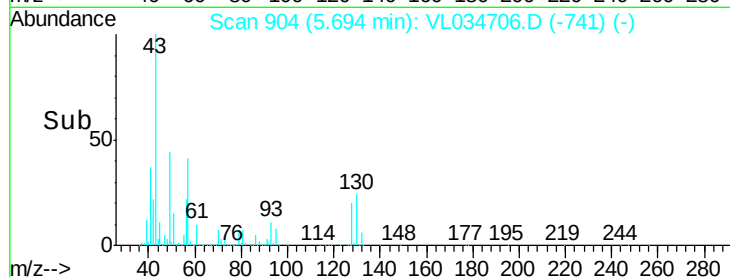
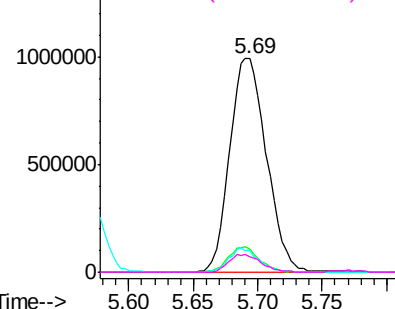
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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.460 ppbv

RT: 5.70 min Scan# 906

Delta R.T. 0.02 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Tgt Ion: 57 Resp: 881962

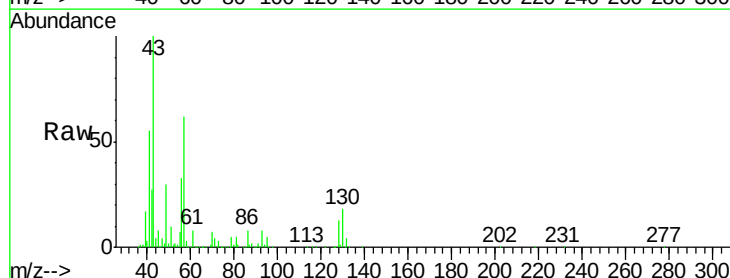
Ion Ratio Lower Upper

57 100

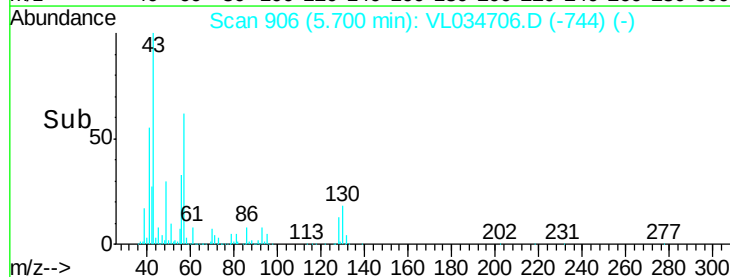
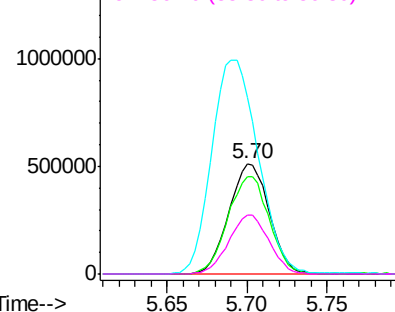
41 91.0 70.3 105.5

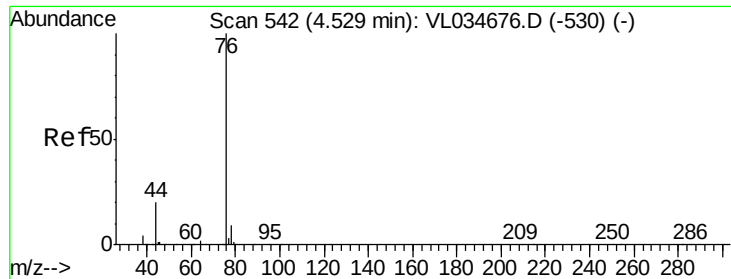
43 223.8 177.0 265.4

56 53.5 42.6 64.0



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: 10.294 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.02 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tot Ion: 76 Resp: 1089430

Ion Ratio Lower Upper

76 100

44 19.7 15.3 22.9

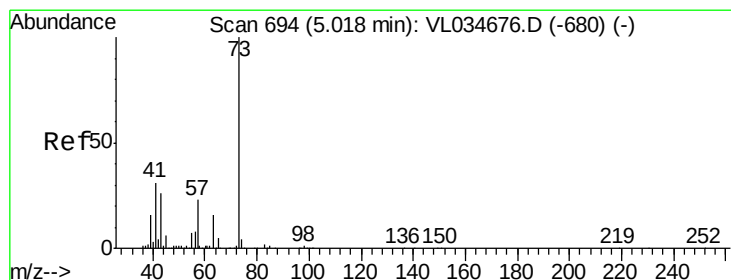
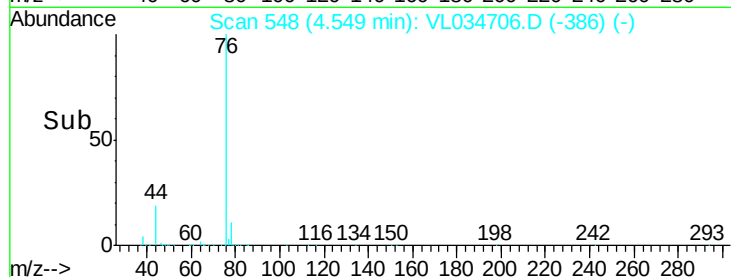
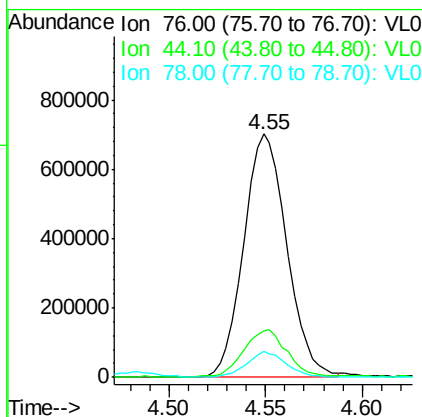
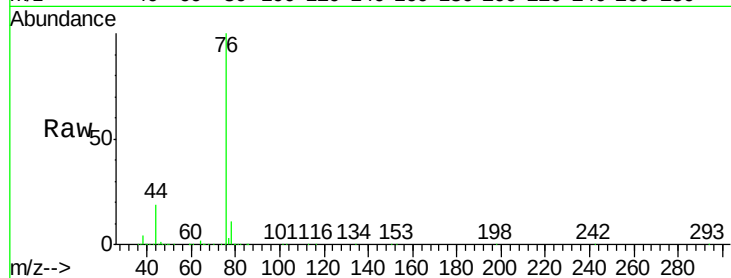
78 9.7 7.6 11.4

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#28

Methyl tert-Butyl Ether

Concen: 9.576 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.02 min

Lab File: VL034706.D

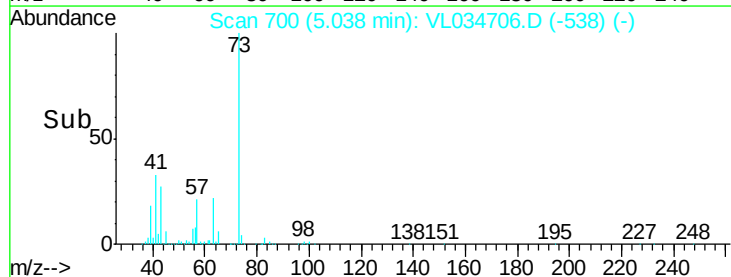
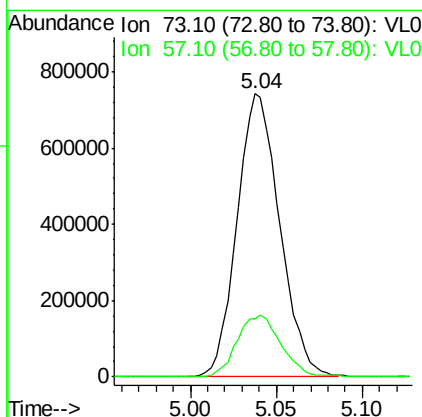
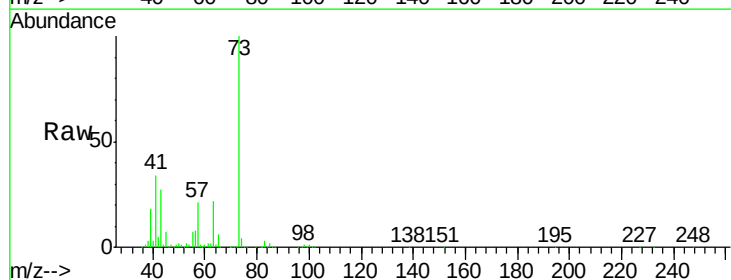
Acq: 27 Feb 2020 12:36

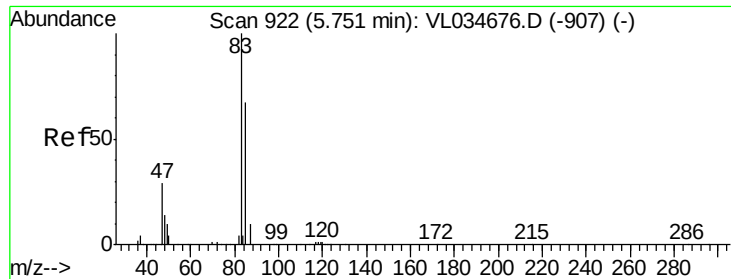
Tgt Ion: 73 Resp: 1275416

Ion Ratio Lower Upper

73 100

57 22.8 18.6 28.0





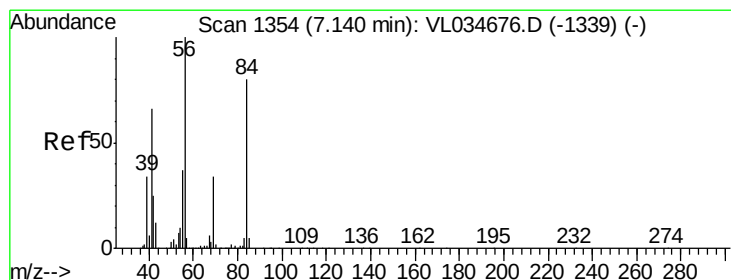
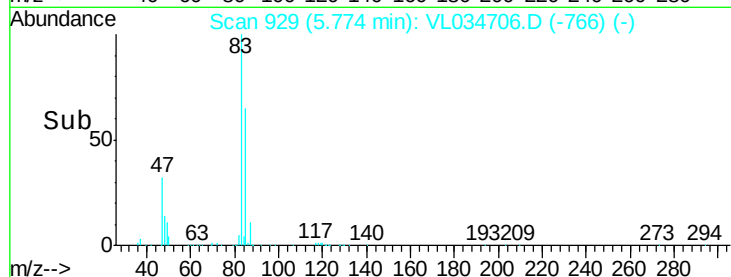
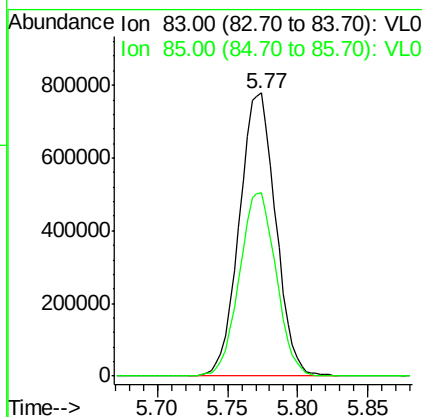
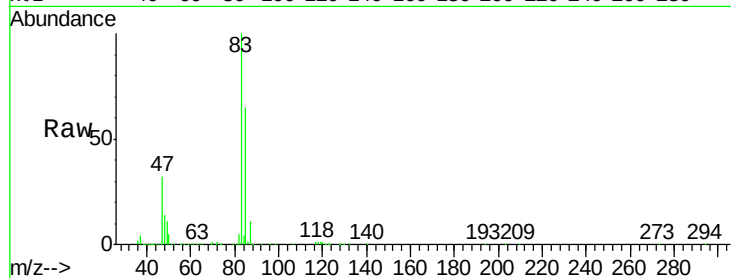
#29
Chloroform
Concen: 9.462 ppbv
RT: 5.77 min Scan# 929
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tot Ion: 83 Resp: 1405416
Ion Ratio Lower Upper
83 100
85 64.7 53.9 80.9

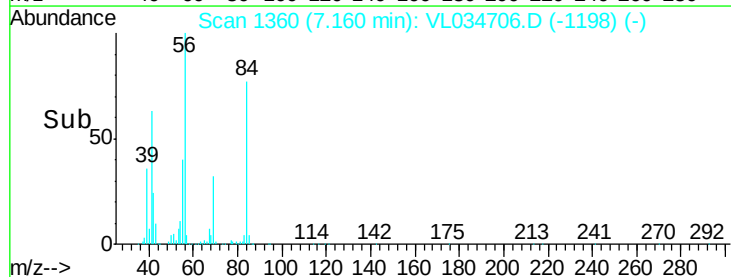
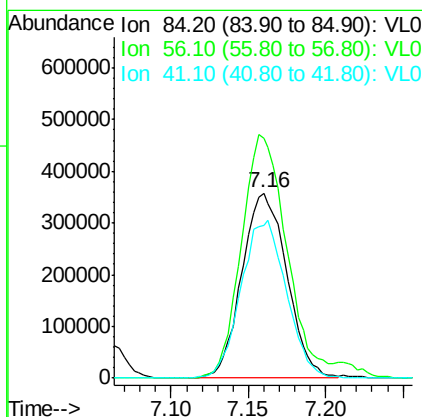
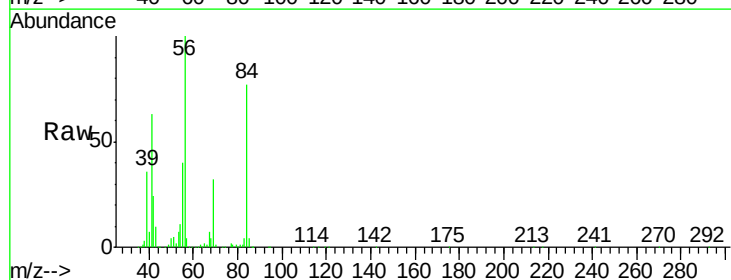
Manual Integrations
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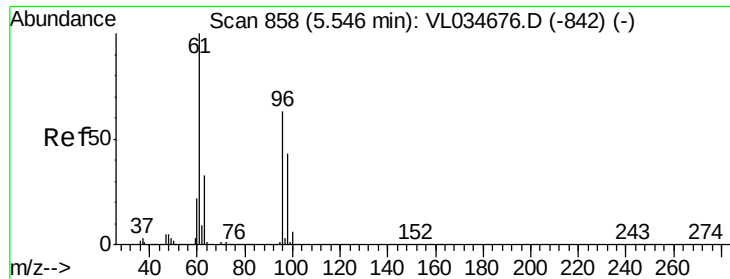
MMDadoda
2/28/2020 12:32:29 PM



#30
Cyclohexane
Concen: 10.006 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tgt Ion: 84 Resp: 722970
Ion Ratio Lower Upper
84 100
56 137.8 113.4 170.2
41 86.1 68.2 102.4





#31

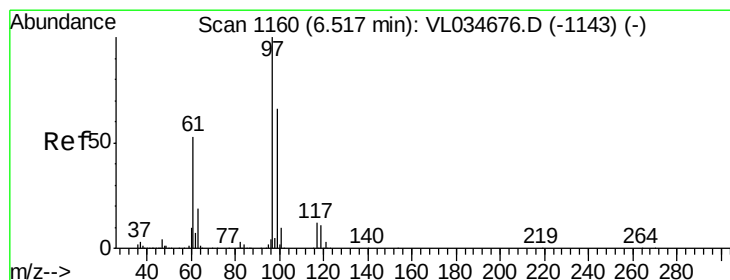
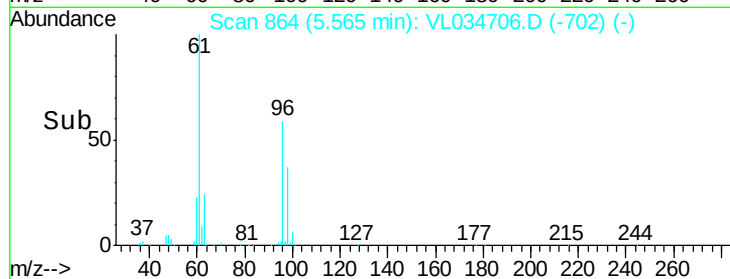
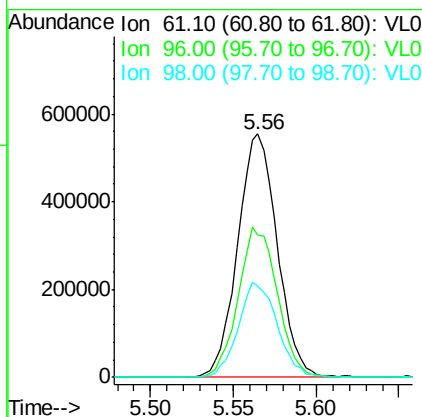
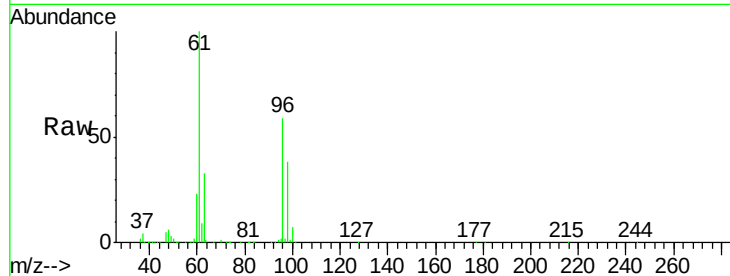
cis-1,2-Dichloroethene
 Concen: 10.033 ppbv
 RT: 5.56 min Scan# 864
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	58.4	50.2	75.2
98	37.5	34.3	51.5

Manual Integrations
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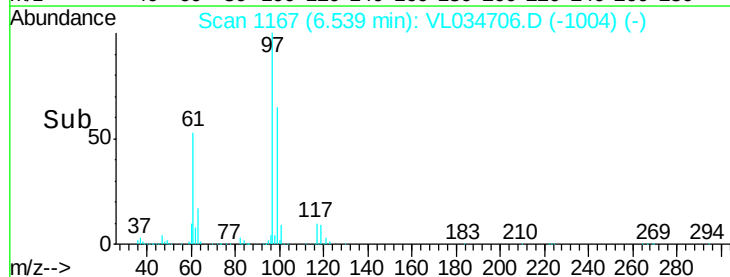
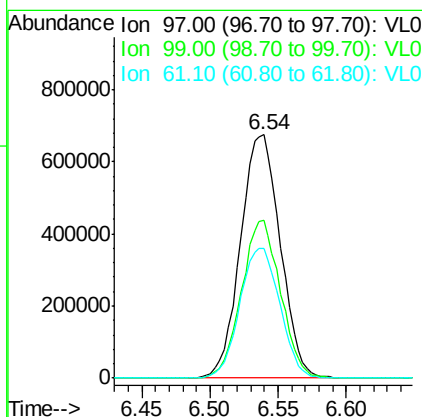
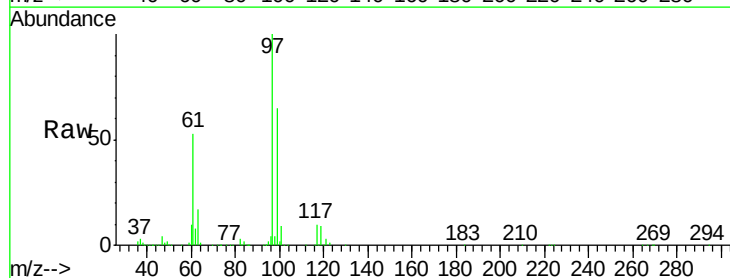
MMDadoda
 2/28/2020 12:32:29 PM

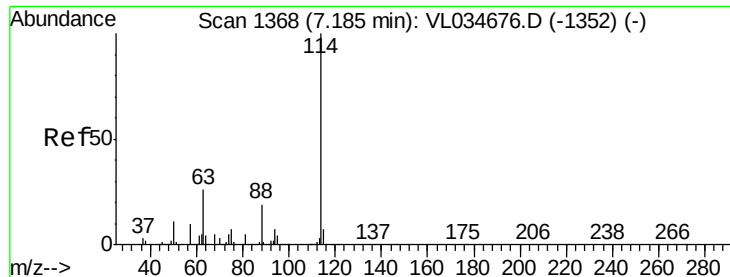


#32

1,1,1-Trichloroethane
 Concen: 9.857 ppbv
 RT: 6.54 min Scan# 1167
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.6	52.3	78.5
61	53.7	42.8	64.2





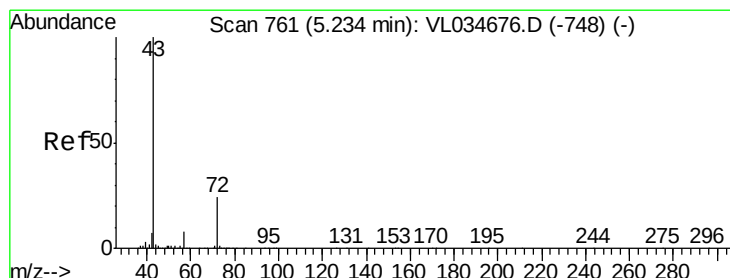
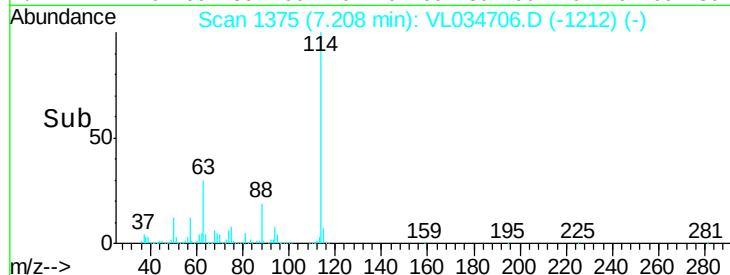
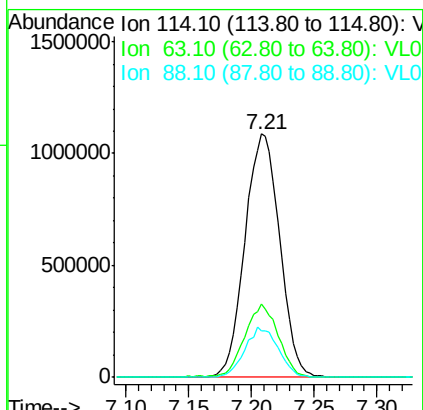
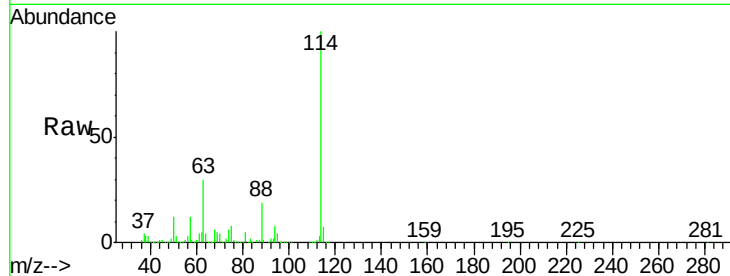
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.21 min Scan# 1375
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tot Ion	Ratio	Lower	Upper
114	100		
63	29.7	22.9	34.3
88	19.7	15.8	23.6

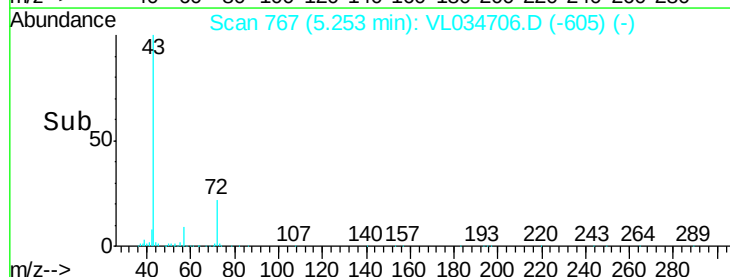
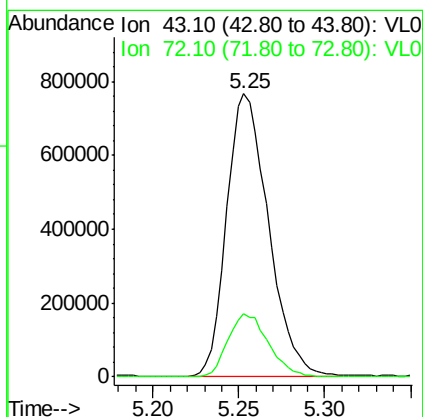
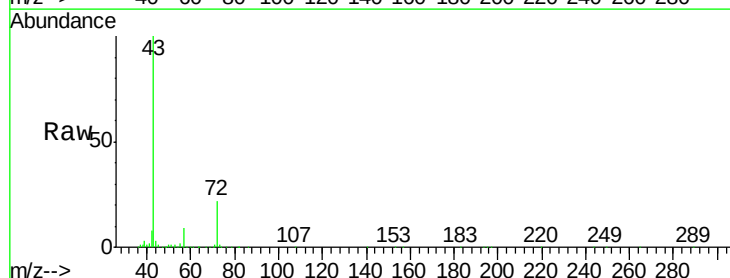
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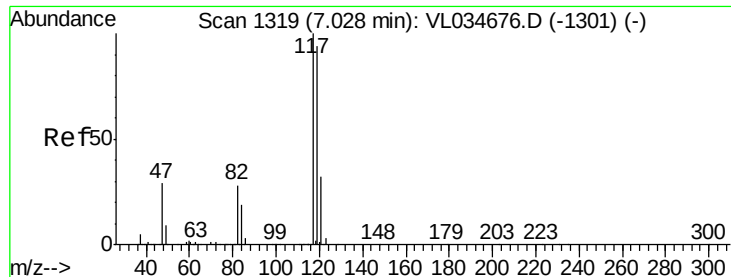
MMDadoda
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#34
 2-Butanone
 Concen: 9.838 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.2	27.2





#35

Carbon Tetrachloride

Concen: 10.070 ppbv

RT: 7.05 min Scan# 1325

Delta R.T. 0.02 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tot Ion:117 Resp: 1409246

Ion Ratio Lower Upper

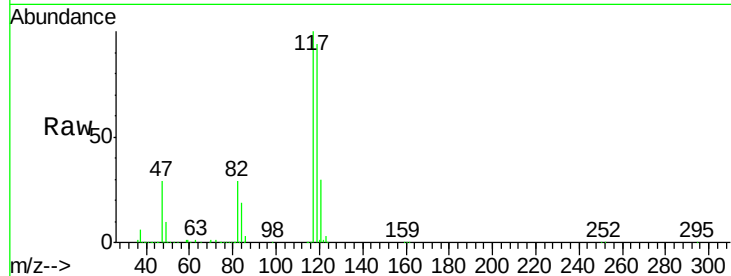
117 100

119 94.4 75.5 113.3

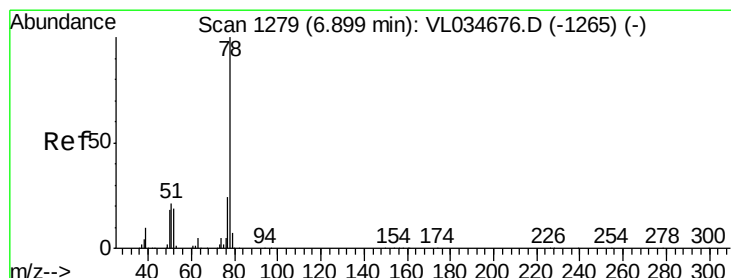
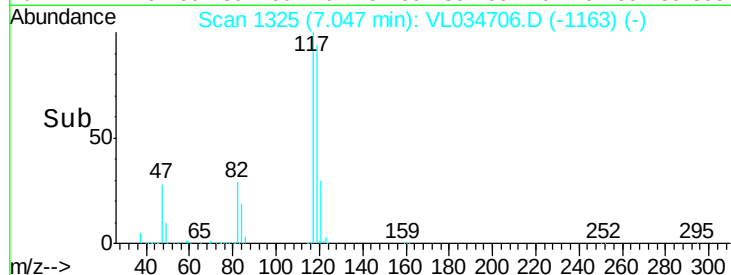
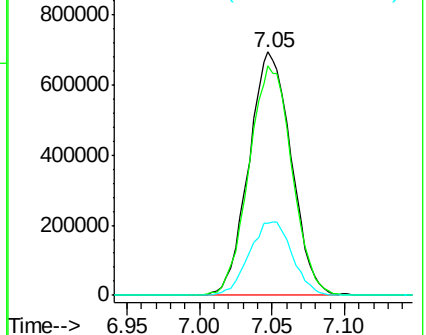
121 29.8 25.4 38.0

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



#36

Benzene

Concen: 9.686 ppbv

RT: 6.92 min Scan# 1286

Delta R.T. 0.02 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

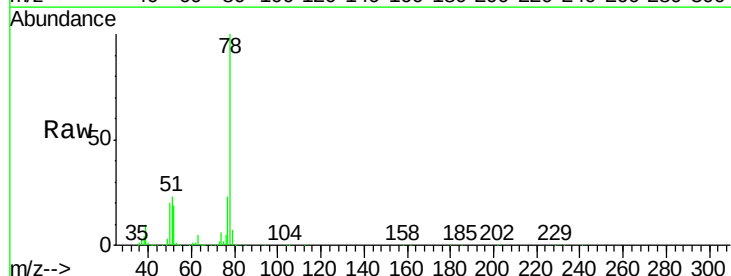
Tgt Ion: 78 Resp: 1748049

Ion Ratio Lower Upper

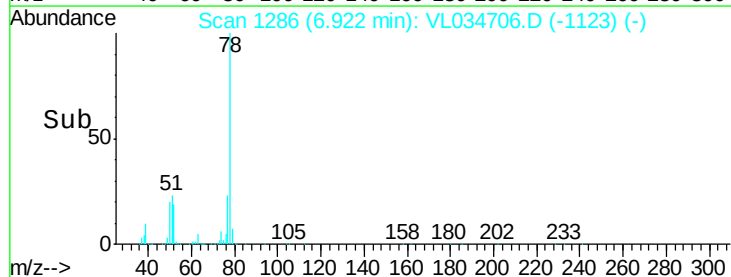
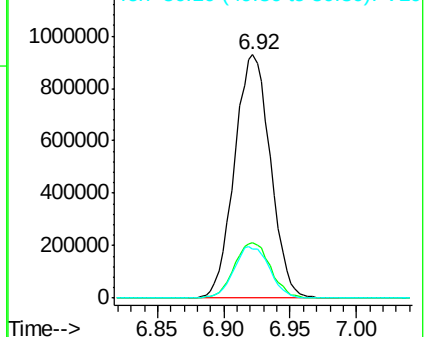
78 100

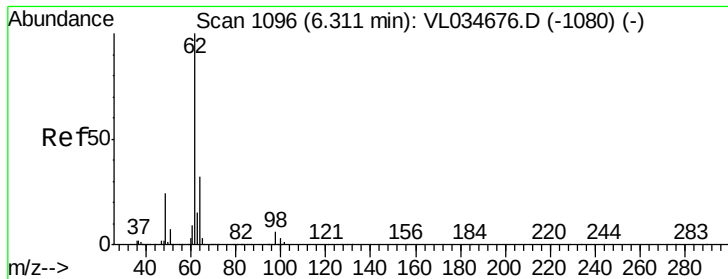
77 22.7 19.5 29.3

50 20.1 14.6 21.8



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





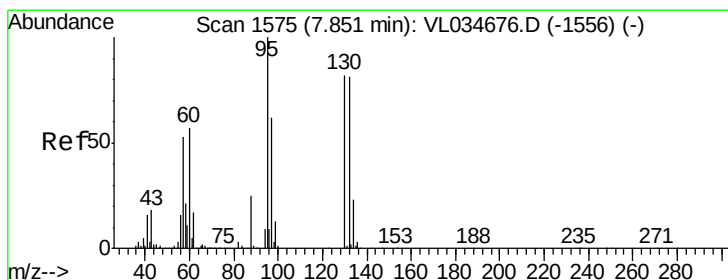
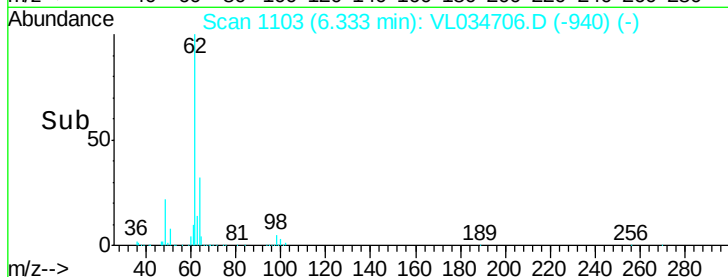
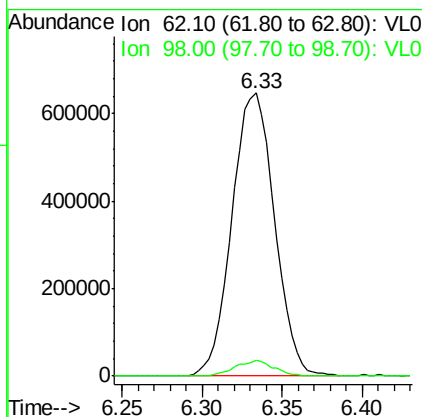
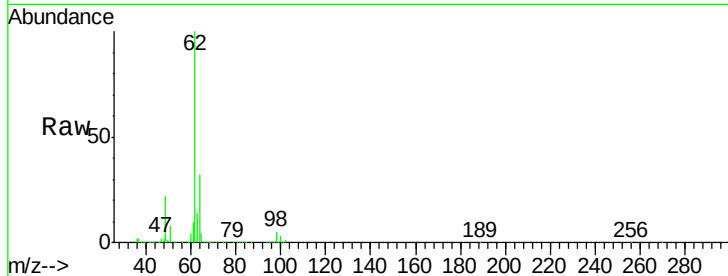
#37
 1,2-Dichloroethane
 Concen: 10.278 ppbv
 RT: 6.33 min Scan# 1103
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tot Ion	Ratio	Lower	Upper
62	100		
98	5.2	4.7	7.1

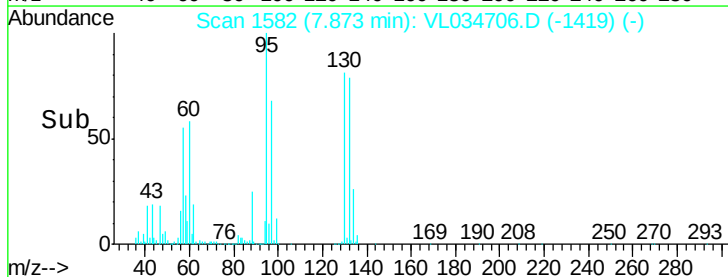
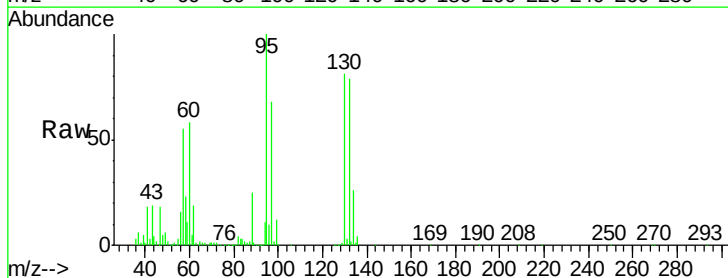
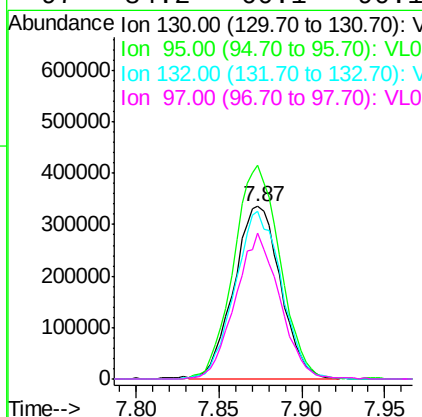
Manual Integrations
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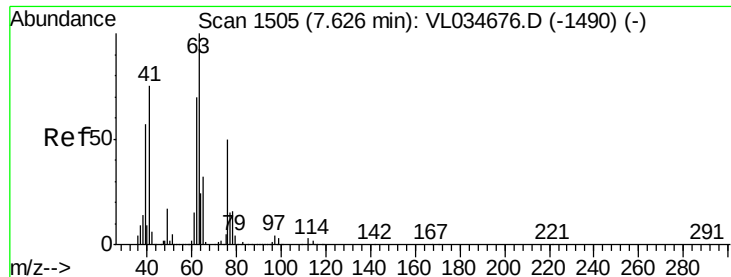
MMDadoda
 2/28/2020 12:32:29 PM



#38
 Trichloroethene
 Concen: 9.414 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
130	100		
95	123.6	97.1	145.7
132	97.4	78.3	117.5
97	84.2	60.1	90.1





#39

1,2-Dichloropropane

Concen: 9.711 ppbv

RT: 7.65 min Scan# 1512

Delta R.T. 0.02 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_L

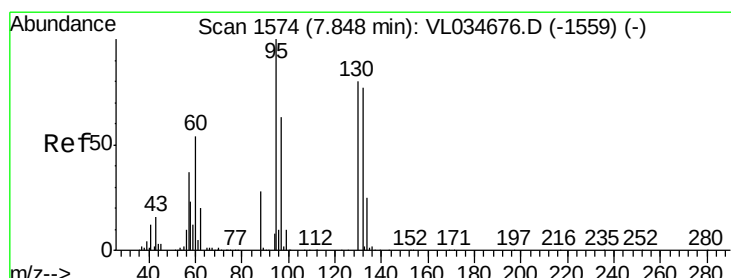
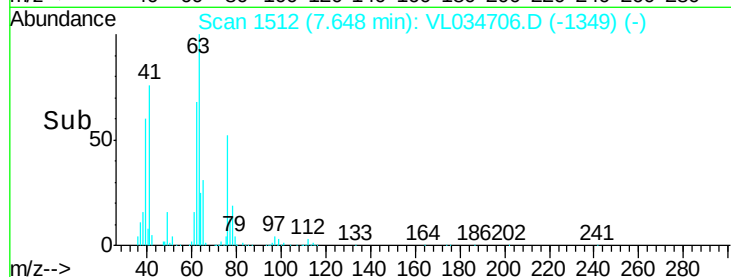
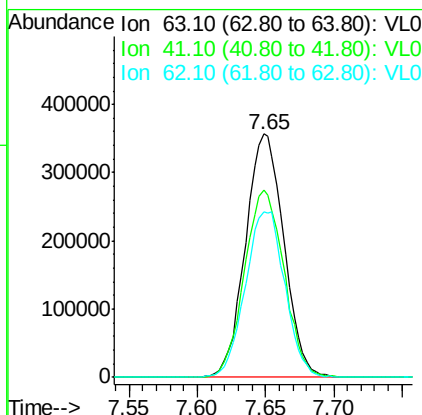
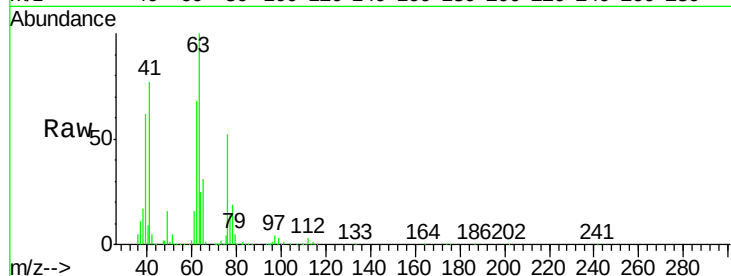
ClientSampleId :

VL0227ABS01

Tot Ion:	63	Resp:	697280
Ion	Ratio	Lower	Upper
63	100		
41	76.9	60.2	90.4
62	67.7	56.3	84.5

Manual Integrations
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#40

1,4-Dioxane

Concen: 10.755 ppbv

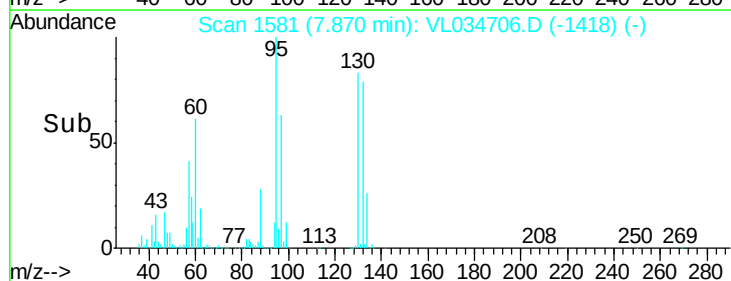
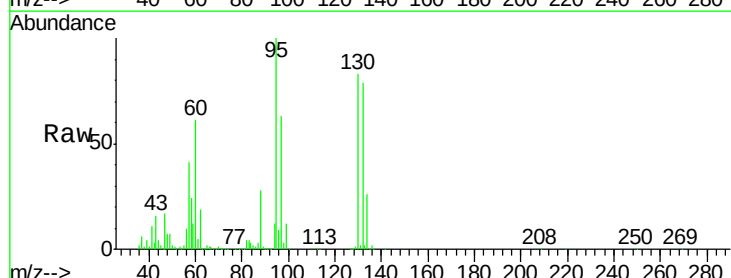
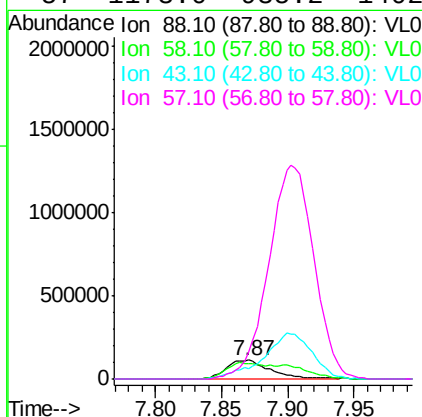
RT: 7.87 min Scan# 1581

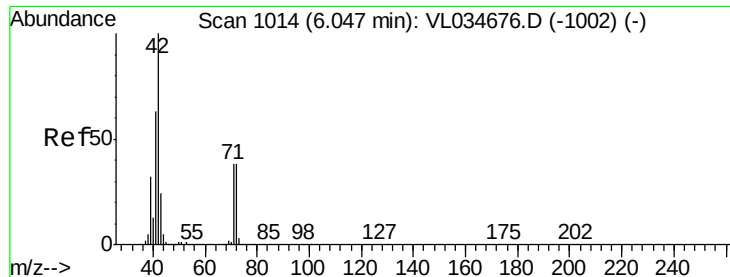
Delta R.T. 0.02 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Tgt Ion:	88	Resp:	262617
Ion	Ratio	Lower	Upper
88	100		
58	138.3	104.6	156.8
43	272.0	212.9	319.3
57	1173.0	935.2	1402.8





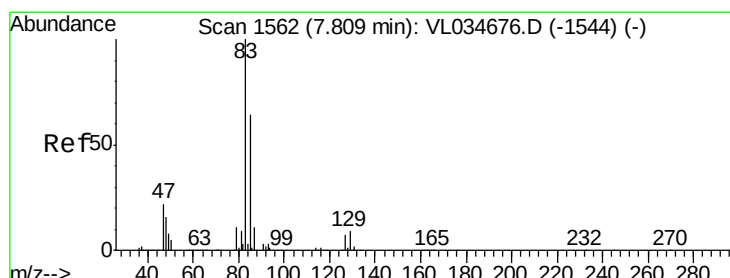
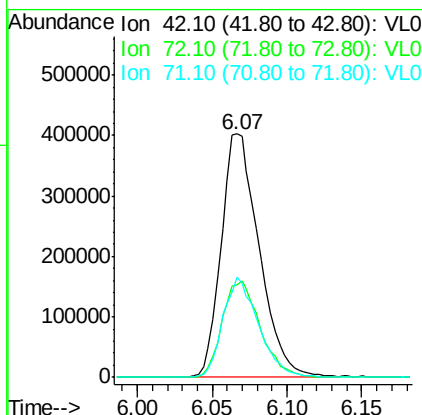
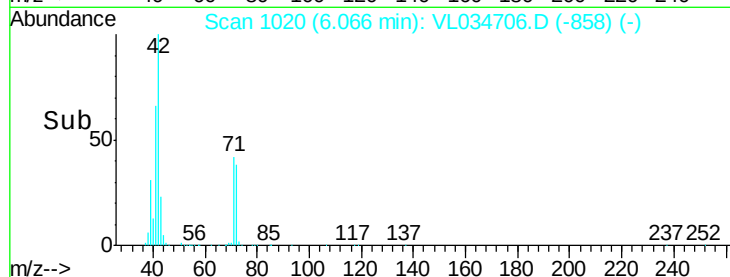
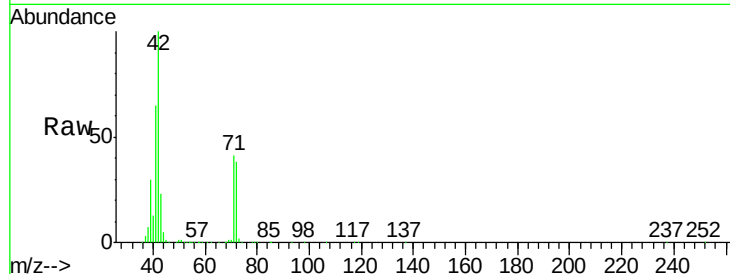
#41
Tetrahydrofuran
Concen: 10.248 ppbv
RT: 6.07 min Scan# 1020
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	31.7	47.5
71	38.6	30.7	46.1

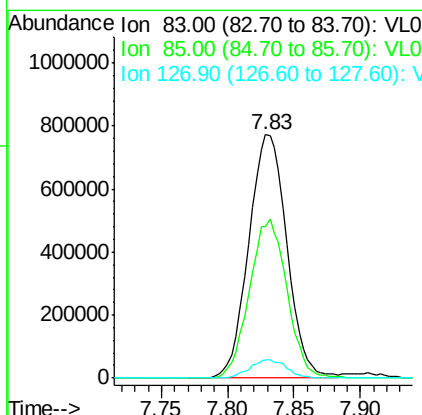
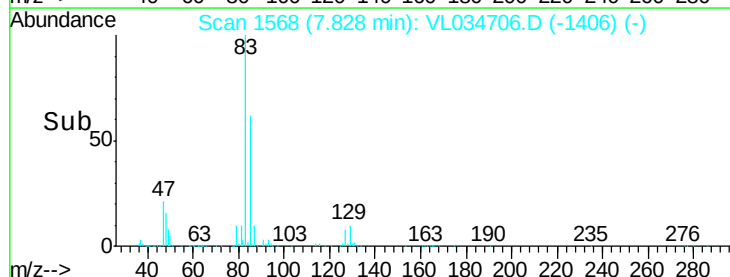
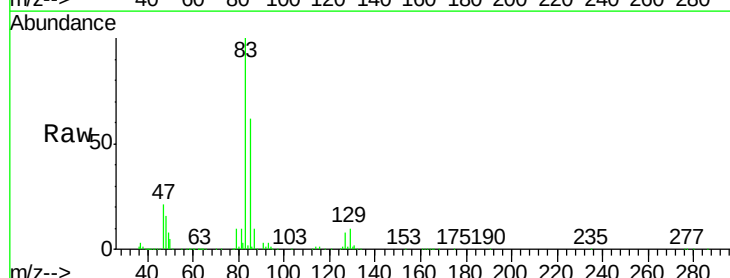
Manual Integrations
APPROVED

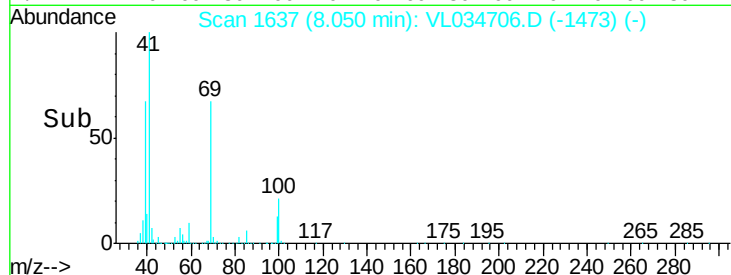
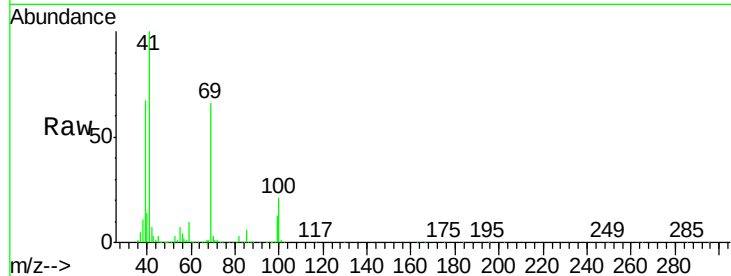
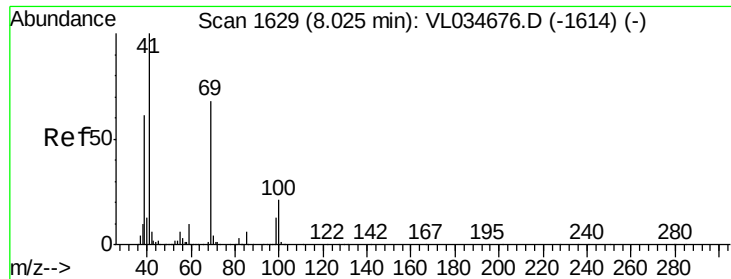
MMDadoda
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#42
Bromodichloromethane
Concen: 10.388 ppbv
RT: 7.83 min Scan# 1568
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.4	51.1	76.7
127	7.7	5.8	8.8





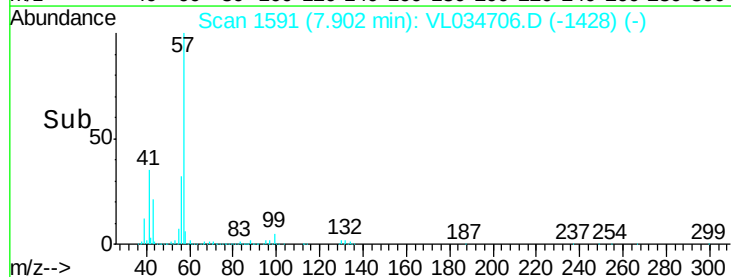
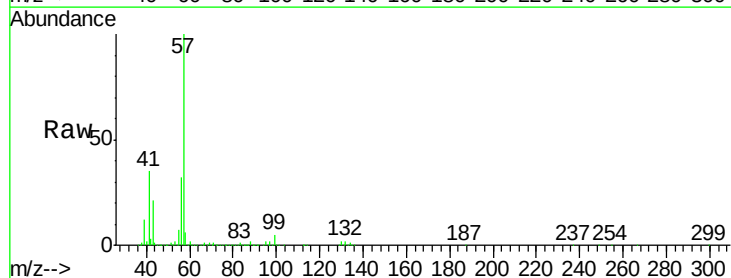
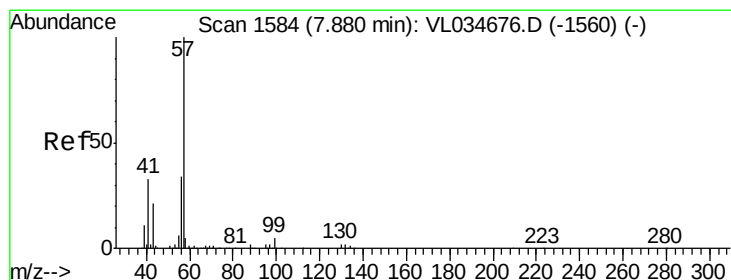
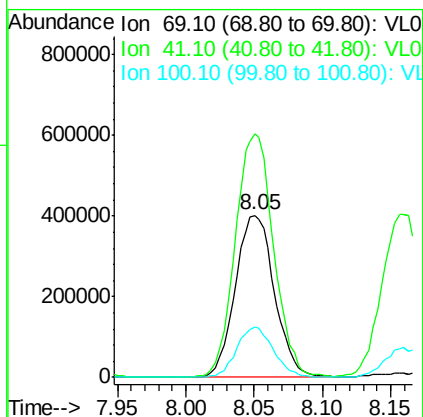
#43
Methyl Methacrylate
Concen: 10.543 ppbv
RT: 8.05 min Scan# 1637
Delta R.T. 0.03 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	146.4	118.2	177.2	
100	29.1	24.2	36.2	

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

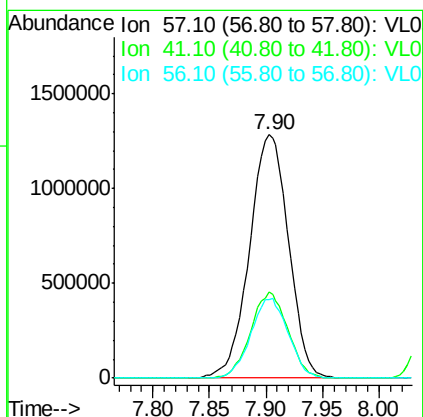
Manual Integrations
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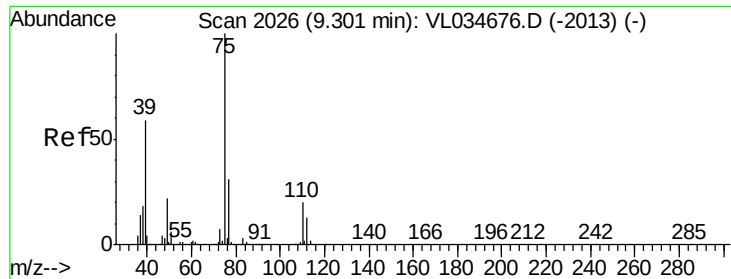
MMDadoda
2/28/2020 12:32:29 PM



#44
2,2,4-Trimethylpentane
Concen: 9.741 ppbv
RT: 7.90 min Scan# 1591
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	33.6	26.0	39.0	
56	31.5	25.6	38.4	





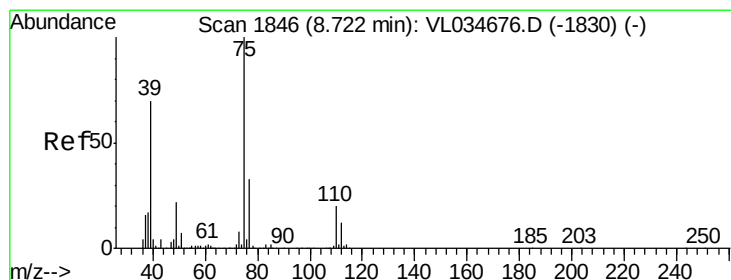
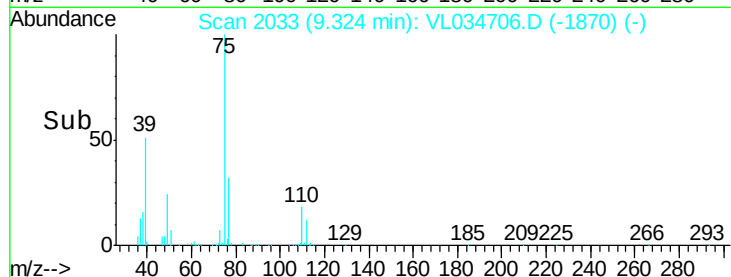
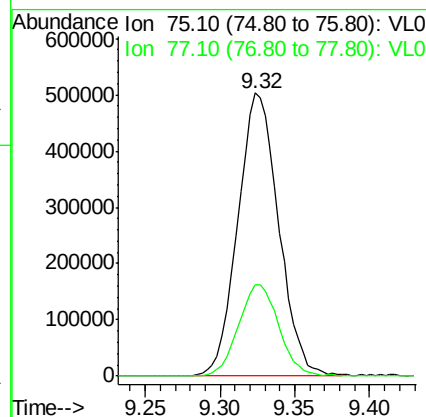
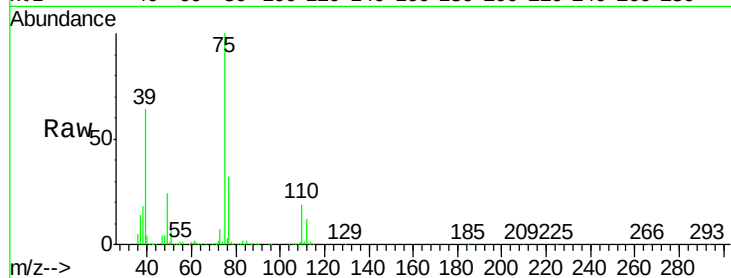
#45
t-1,3-Dichloropropene
Concen: 11.545 ppbv
RT: 9.32 min Scan# 2033
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Instrument :
MSVOA_L
ClientSampleID :
VL0227ABS01

Tot Ion	Ratio	Resp	Lower	Upper
75	100	956361		
77	32.4	25.3	37.9	

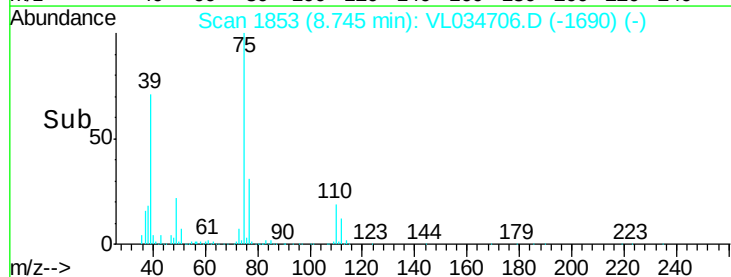
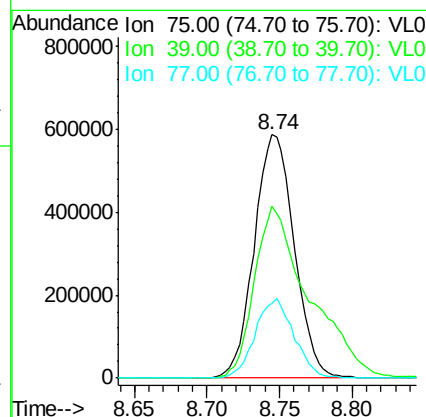
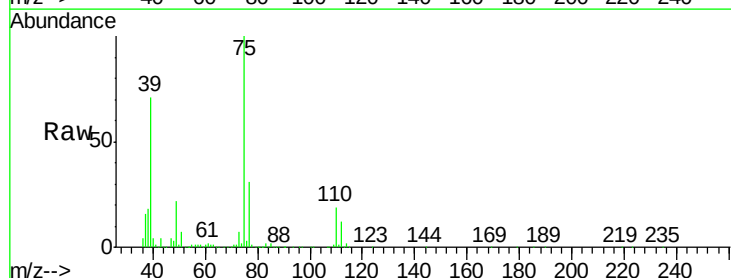
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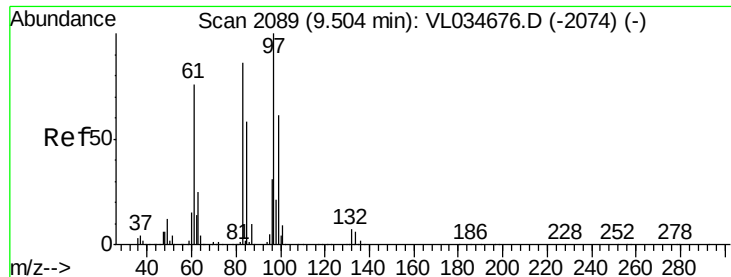
MMDadoda
2/28/2020 12:32:29 PM



#46
cis-1,3-Dichloropropene
Concen: 11.352 ppbv
RT: 8.74 min Scan# 1853
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	1127783		
39	70.7	55.7	83.5	
77	30.9	26.3	39.5	





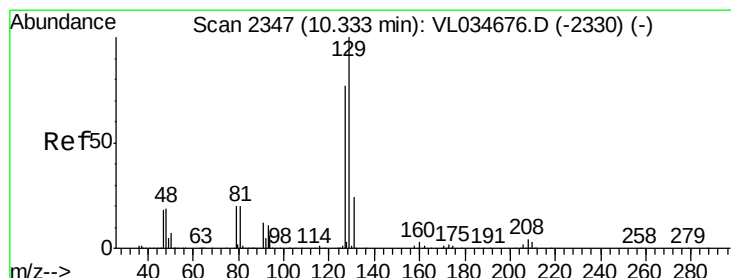
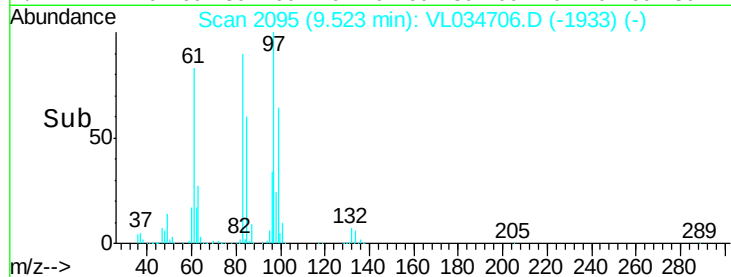
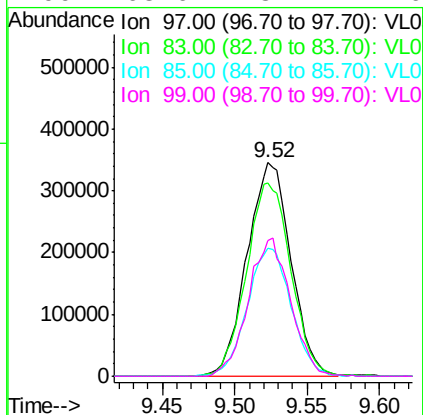
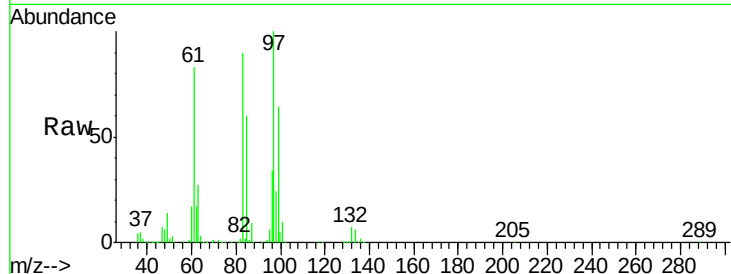
#47
 1,1,2-Trichloroethane
 Concen: 9.847 ppbv
 RT: 9.52 min Scan# 2095
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		725348		
83	90.2	69.4	104.0		
85	59.8	46.4	69.6		
99	63.6	48.4	72.6		

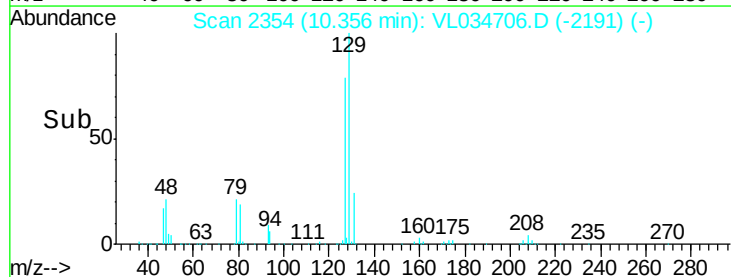
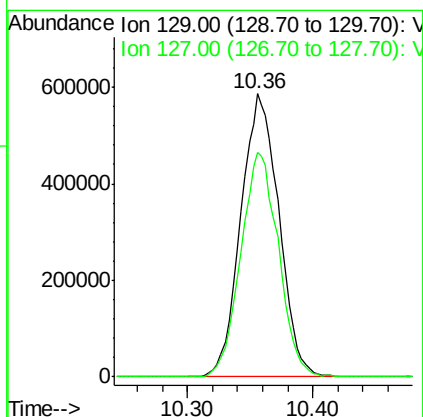
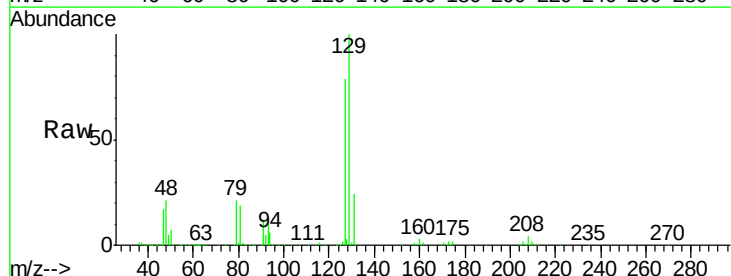
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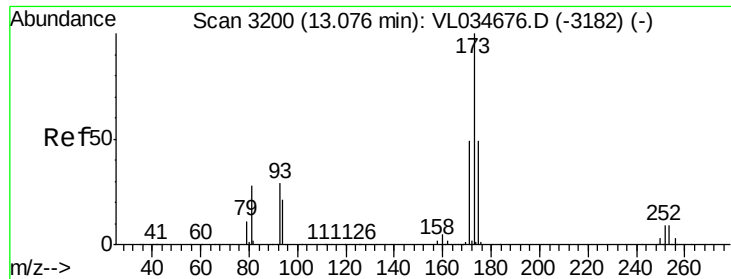
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 2/28/2020 12:32:29 PM



#48
 Dibromochloromethane
 Concen: 10.780 ppbv
 RT: 10.36 min Scan# 2354
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
129	100		1234769		
127	78.9	39.3	117.8		





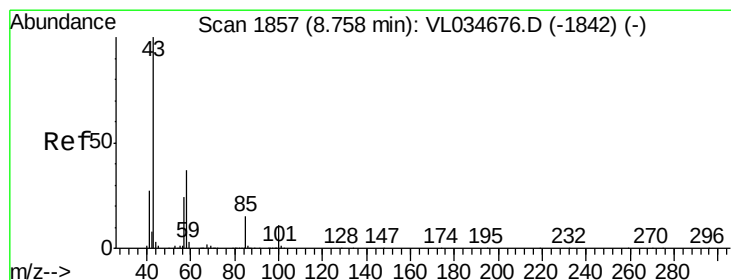
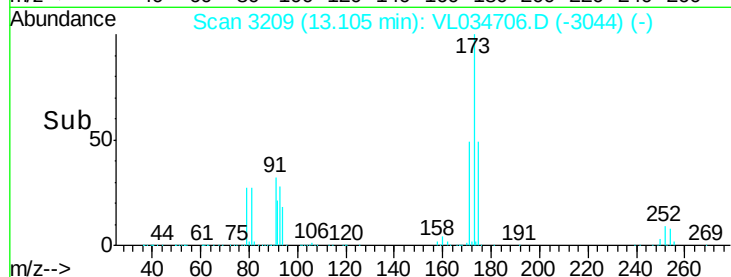
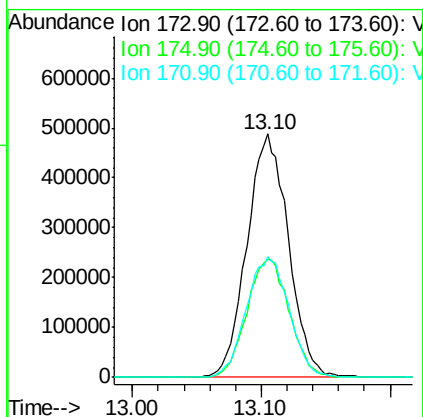
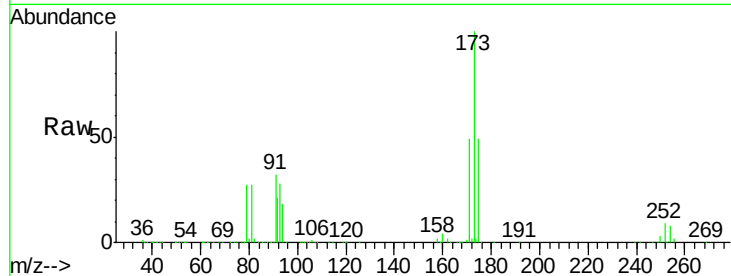
#49
Bromoform
Concen: 10.974 ppbv
RT: 13.10 min Scan# 3209
Delta R.T. 0.03 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tot Ion:173 Resp: 1089911
Ion Ratio Lower Upper
173 100
175 49.9 38.6 58.0
171 51.4 41.5 62.3

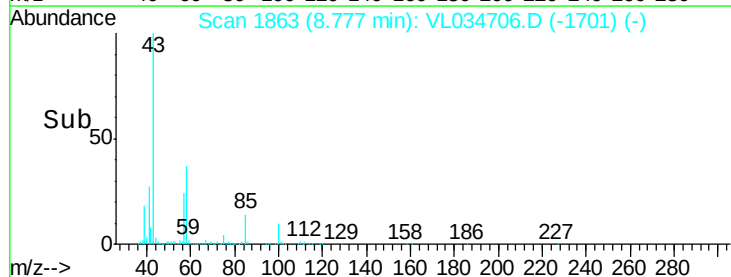
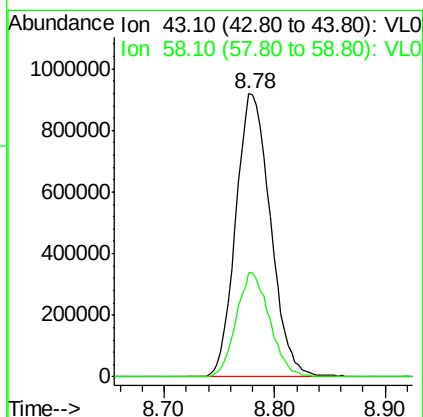
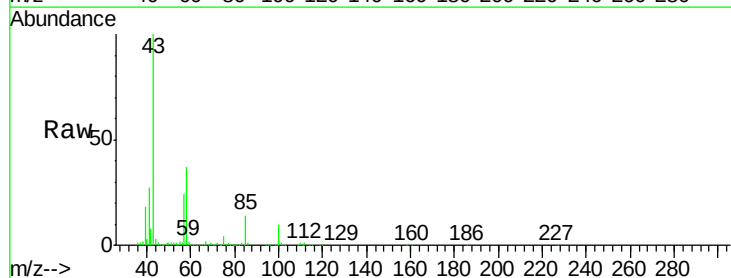
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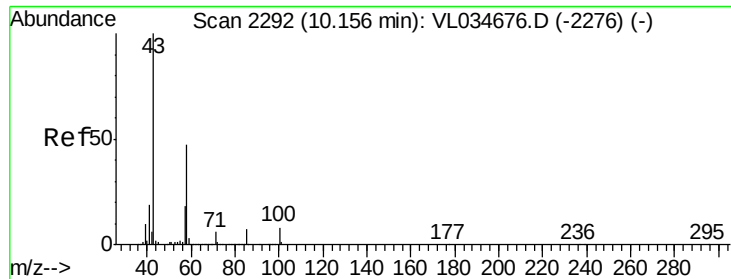
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.736 ppbv
RT: 8.78 min Scan# 1863
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tgt Ion: 43 Resp: 2000133
Ion Ratio Lower Upper
43 100
58 35.7 29.0 43.6





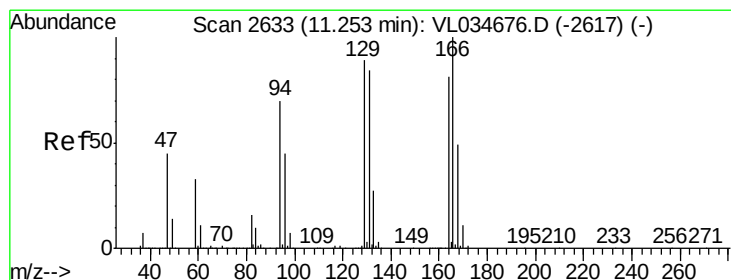
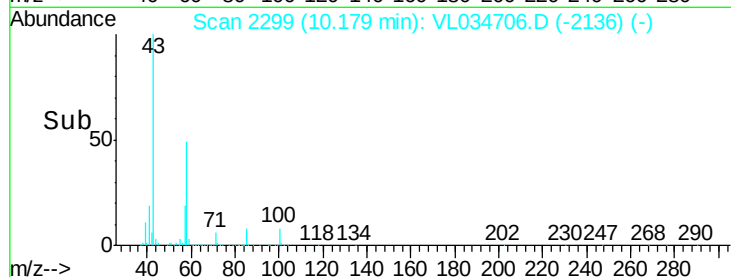
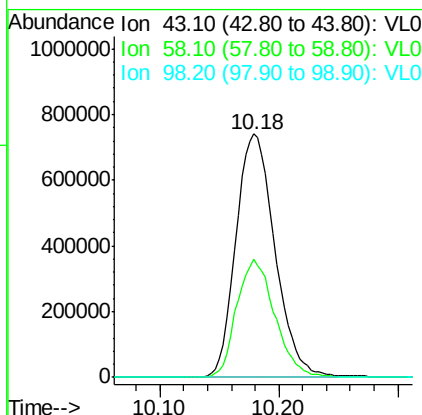
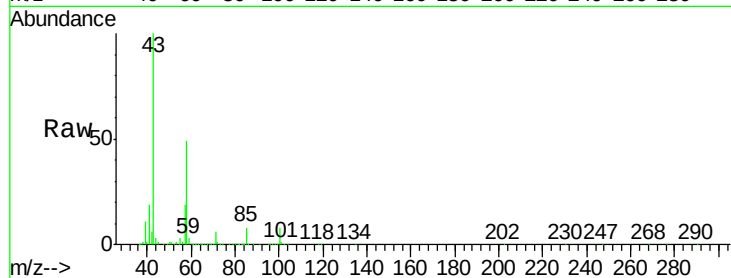
#51
2-Hexanone
Concen: 11.454 ppbv
RT: 10.18 min Scan# 2299
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.7	39.4	59.0
98	0.4	0.2	0.2#

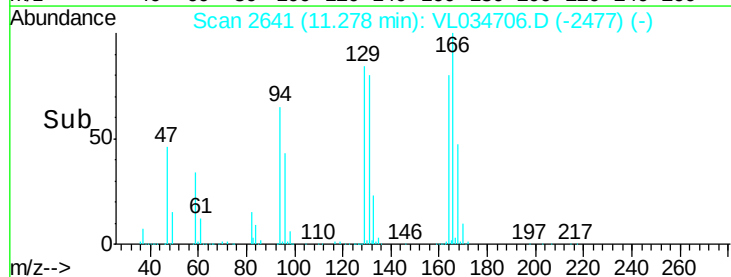
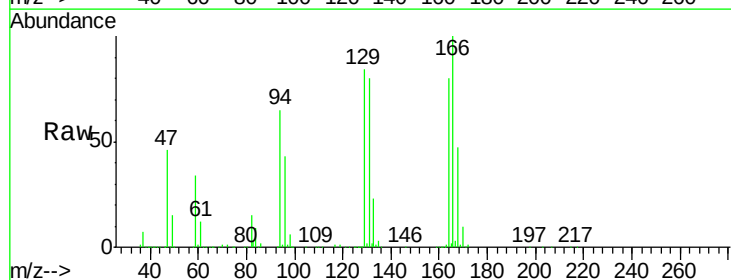
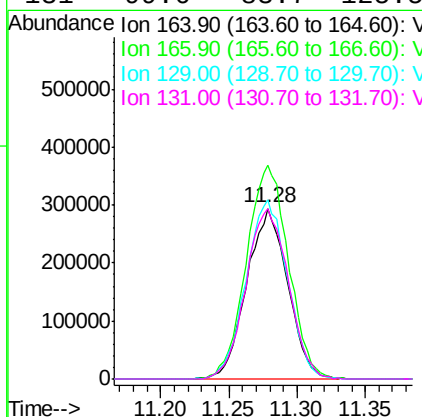
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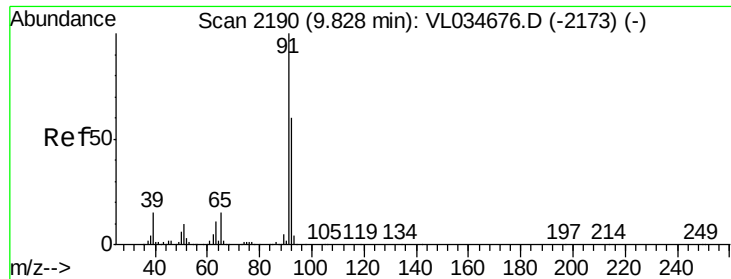
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#52
Tetrachloroethene
Concen: 9.219 ppbv
RT: 11.28 min Scan# 2641
Delta R.T. 0.03 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
164	100		
166	125.0	99.2	148.8
129	104.8	88.0	132.0
131	99.6	83.7	125.5





#53

Toluene

Concen: 10.465 ppbv

RT: 9.85 min Scan# 2198

Delta R.T. 0.03 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_L

ClientSampleId :

VL0227ABS01

Tot Ion: 91 Resp: 2008923

Ion Ratio Lower Upper

91 100

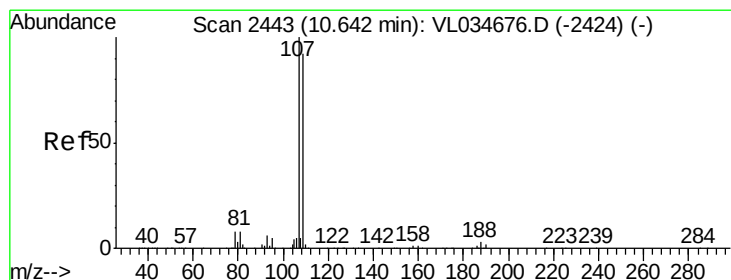
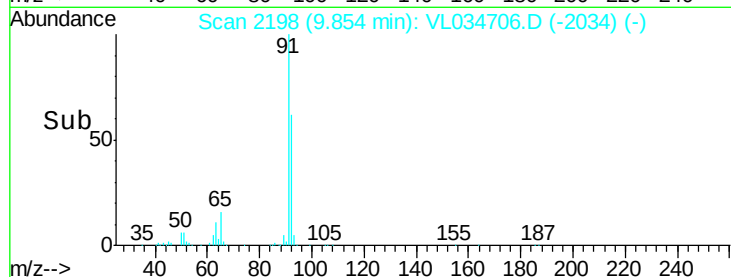
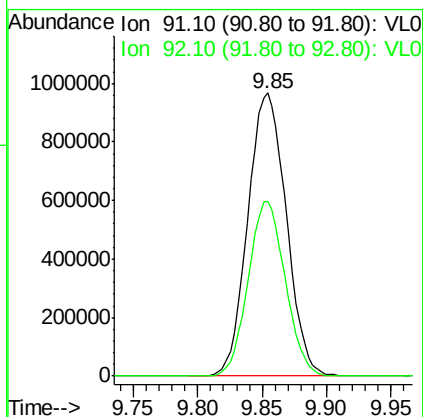
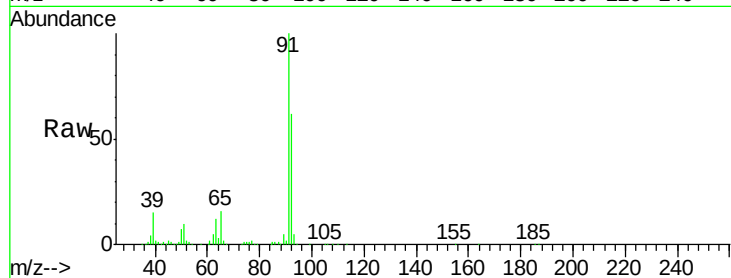
92 59.8 48.5 72.7

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.247 ppbv

RT: 10.67 min Scan# 2451

Delta R.T. 0.03 min

Lab File: VL034706.D

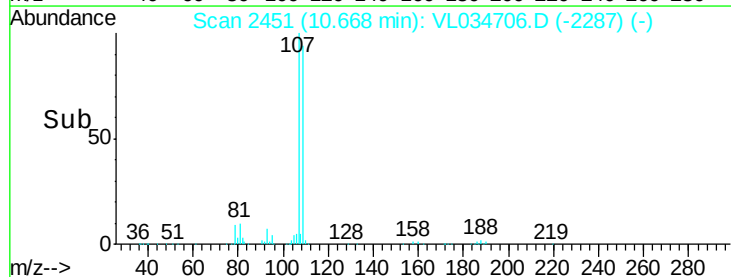
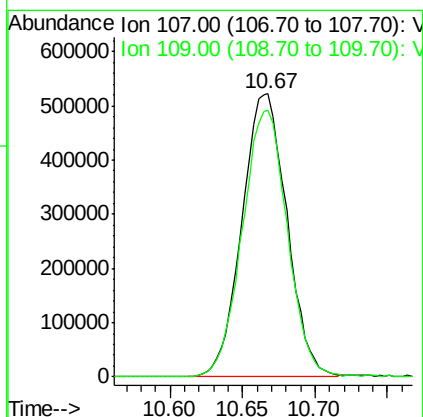
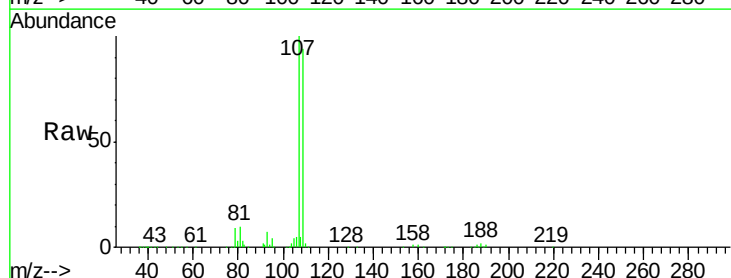
Acq: 27 Feb 2020 12:36

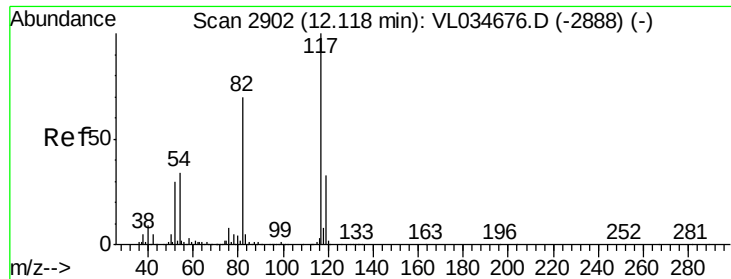
Tgt Ion: 107 Resp: 1126147

Ion Ratio Lower Upper

107 100

109 94.1 73.9 110.9





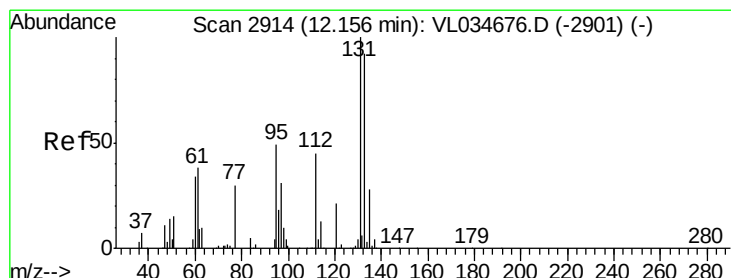
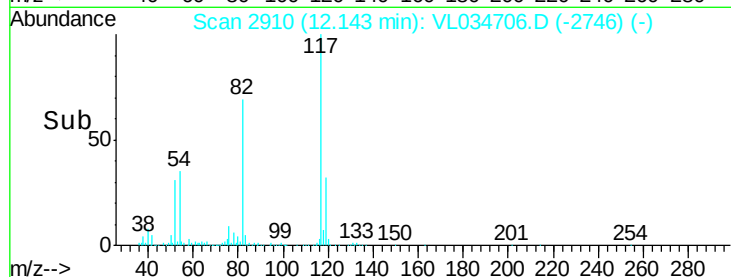
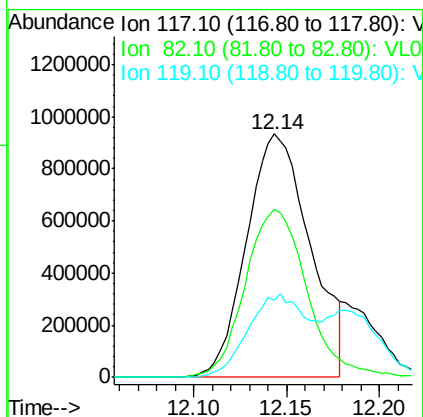
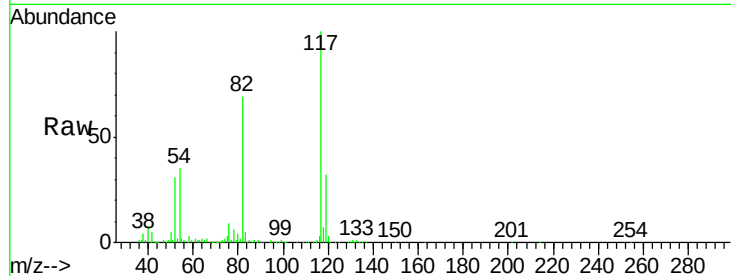
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.14 min Scan# 2910
Delta R.T. 0.03 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.1	54.1	81.1
119	55.2	27.6	41.4#

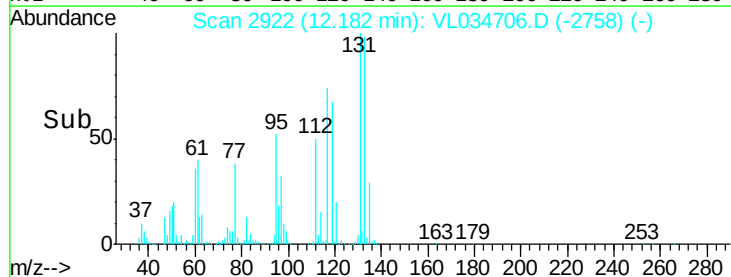
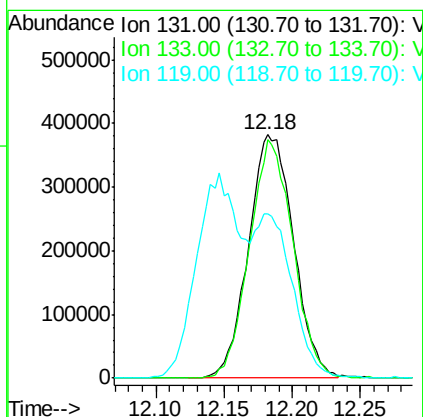
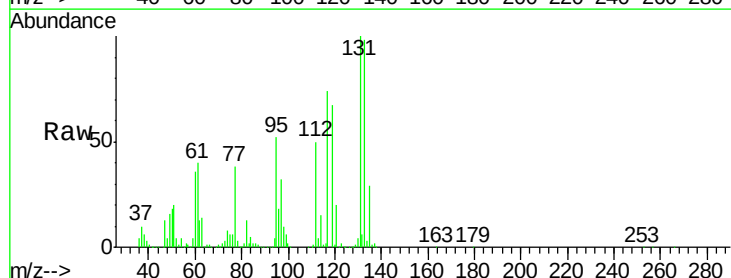
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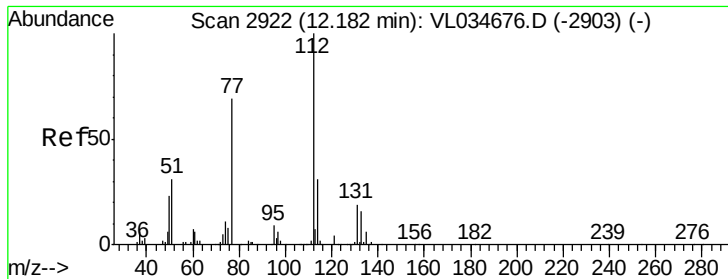
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.235 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.03 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
131	100		
133	94.6	76.6	114.8
119	140.5	51.3	76.9#





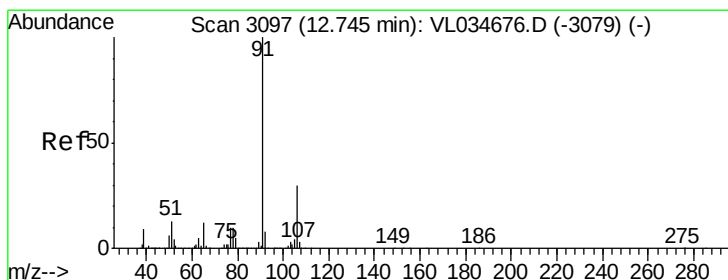
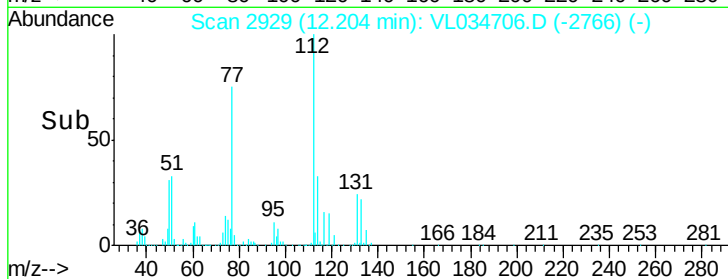
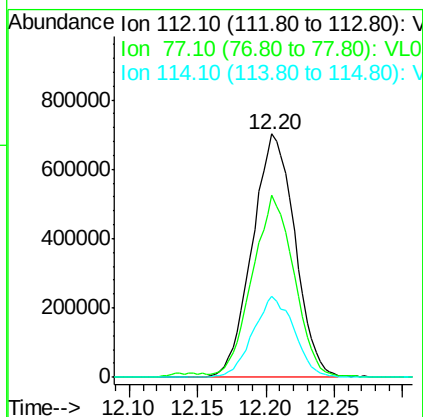
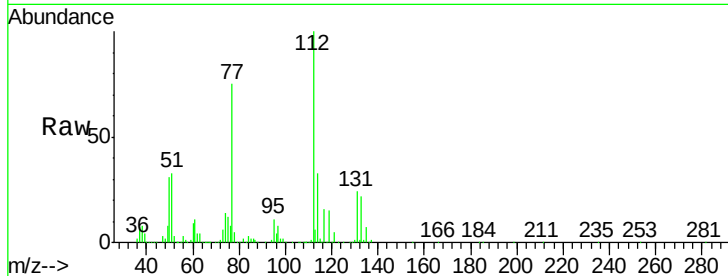
#57
Chlorobenzene
Concen: 9.242 ppbv
RT: 12.20 min Scan# 2929
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tot Ion	Ratio	Lower	Upper
112	100		
77	74.0	56.5	84.7
114	33.3	28.1	34.3

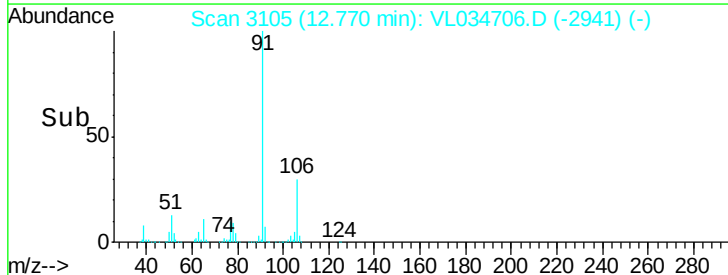
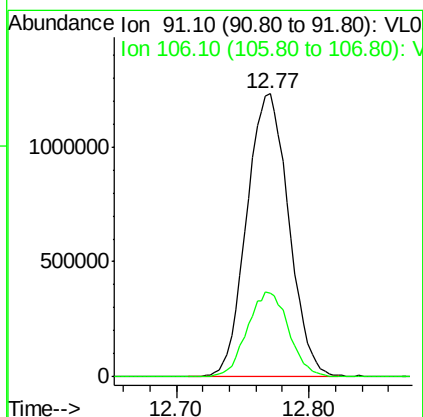
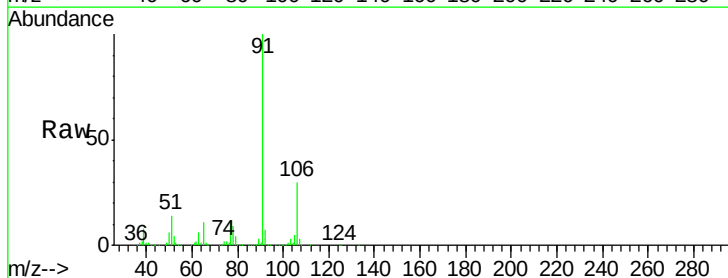
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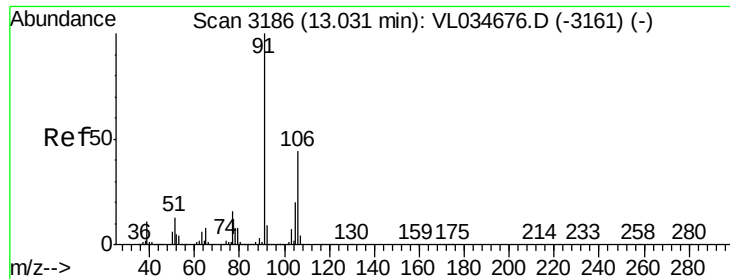
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#58
Ethyl Benzene
Concen: 10.070 ppbv
RT: 12.77 min Scan# 3105
Delta R.T. 0.03 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.0	36.0





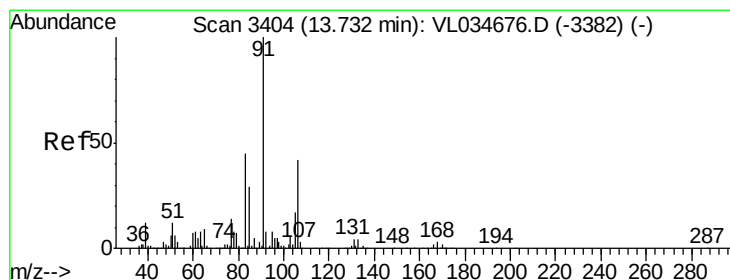
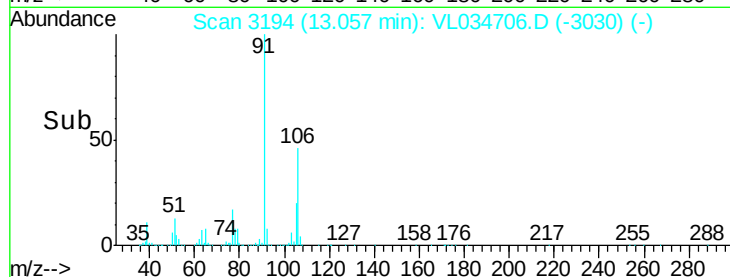
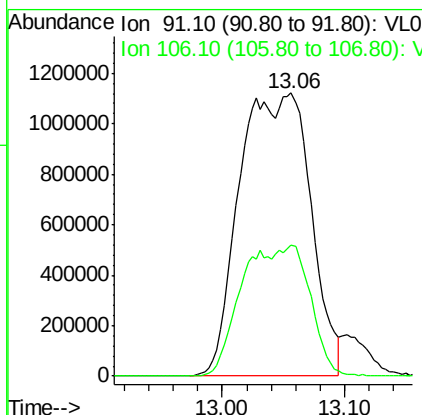
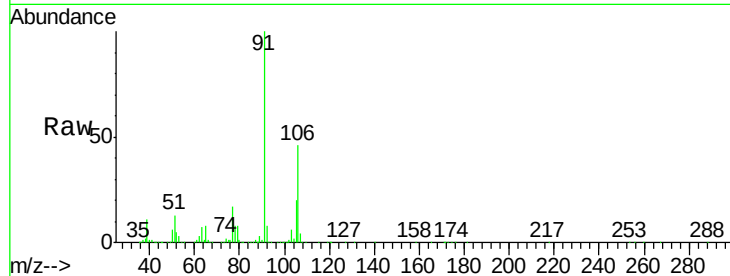
#59
m/p-Xylene
Concen: 19.184 ppbv m
RT: 13.06 min Scan# 3194
Delta R.T. 0.03 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tot Ion: 91 Resp: 4517677
Ion Ratio Lower Upper
91 100
106 44.4 35.6 53.4

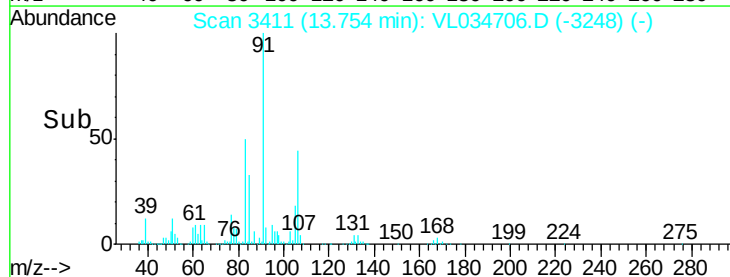
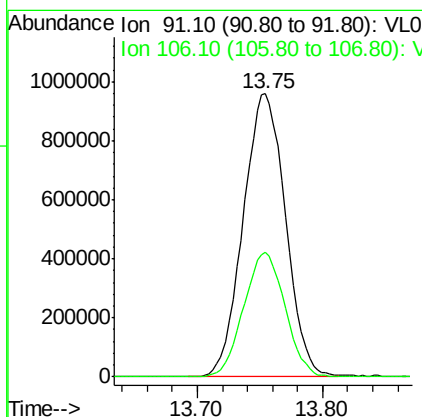
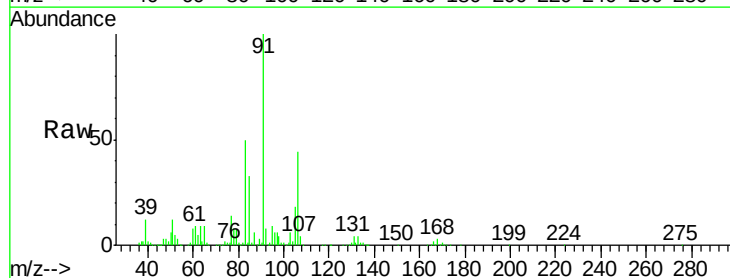
Manual Integrations
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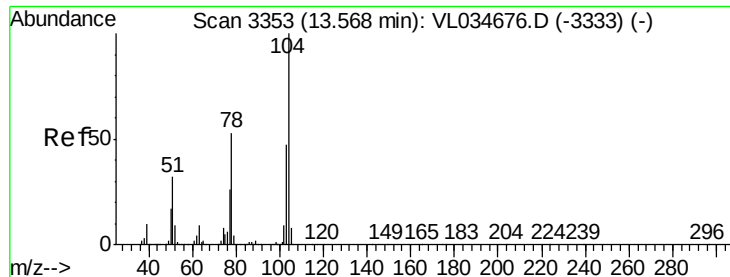
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#60
o-Xylene
Concen: 9.624 ppbv
RT: 13.75 min Scan# 3411
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tgt Ion: 91 Resp: 2248946
Ion Ratio Lower Upper
91 100
106 43.1 21.9 65.5





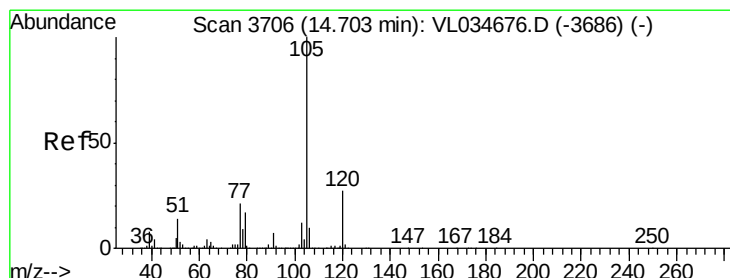
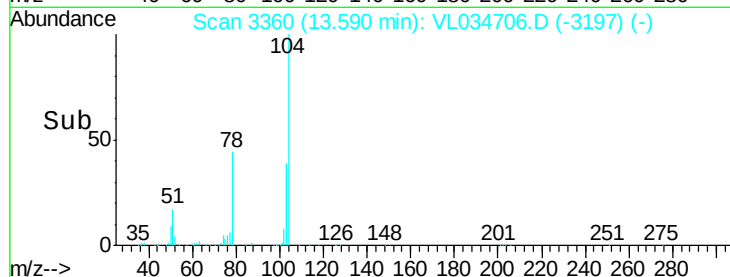
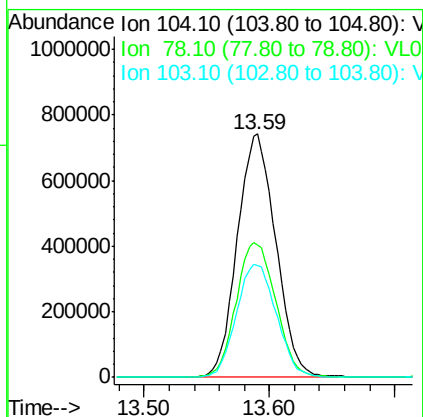
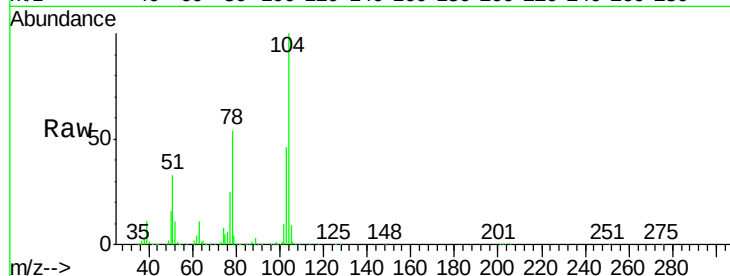
#61
Stvrene
Concen: 10.551 ppbv
RT: 13.59 min Scan# 3360
Delta R.T. 0.02 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	57.1	44.2	66.4
103	48.3	37.4	56.0

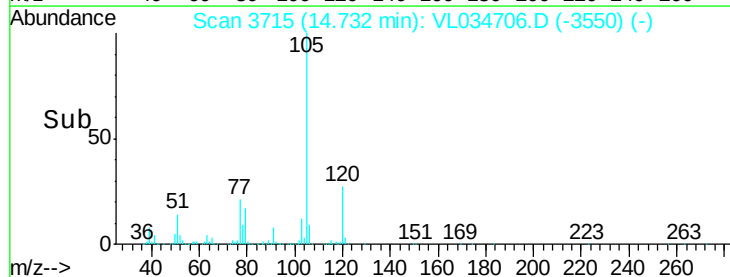
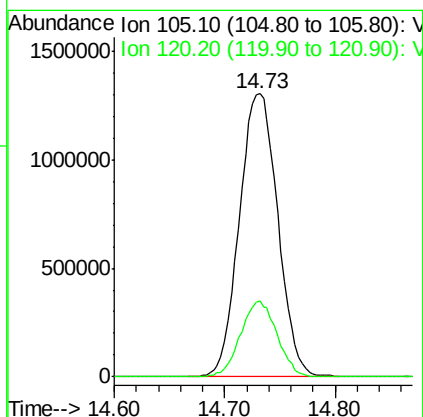
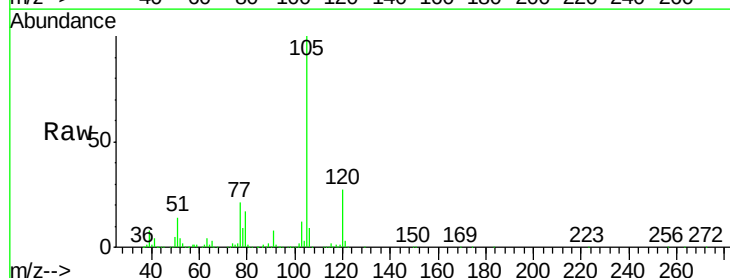
Manual Integrations
APPROVED

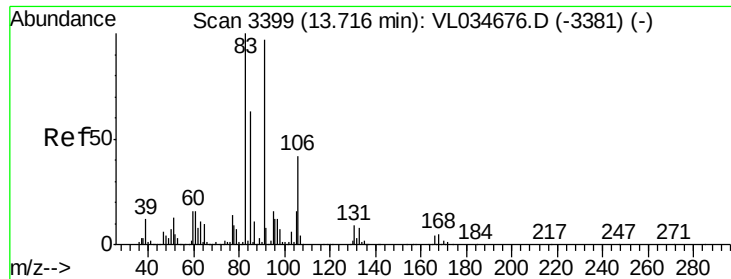
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#62
Isopropylbenzene
Concen: 9.240 ppbv
RT: 14.73 min Scan# 3715
Delta R.T. 0.03 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
105	100		
120	25.5	20.2	30.4





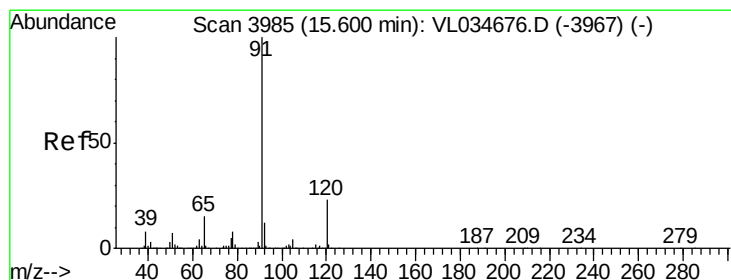
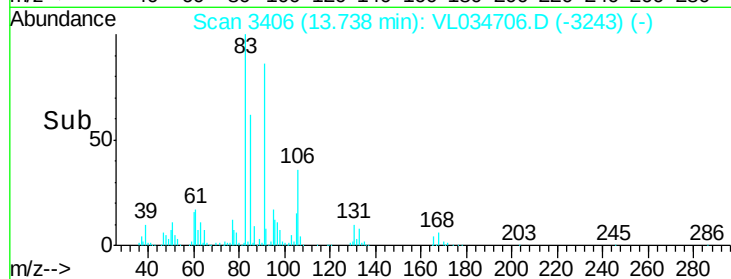
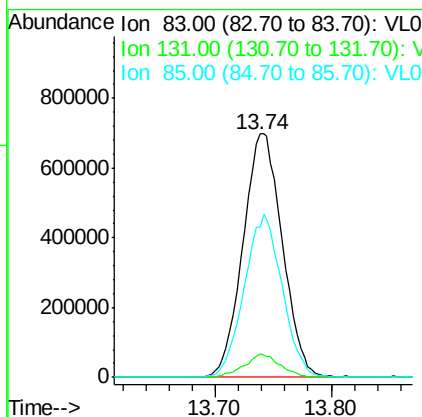
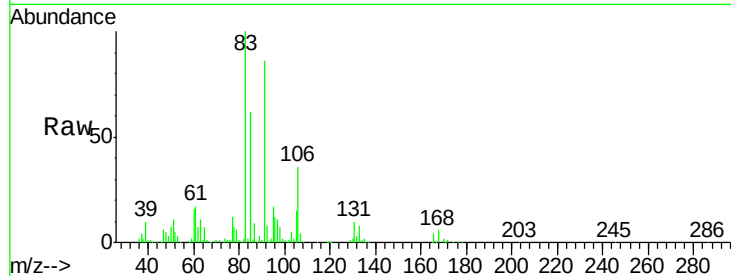
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.037 ppbv
 RT: 13.74 min Scan# 3406
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tot Ion	Ratio	Lower	Upper
83	100		
131	8.8	4.4	13.2
85	64.6	32.5	97.5

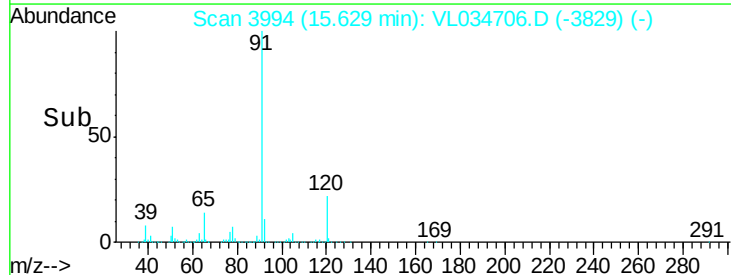
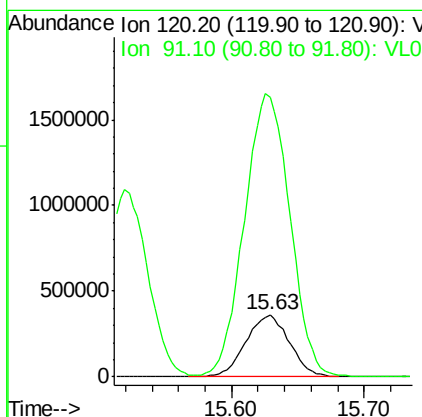
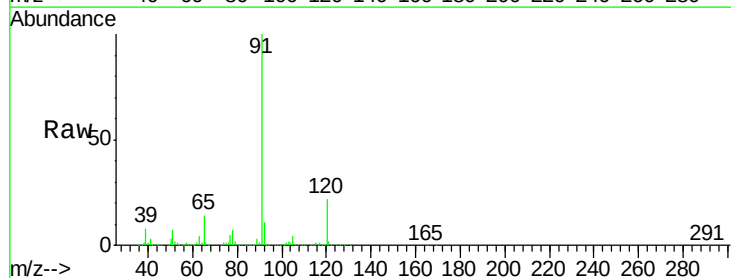
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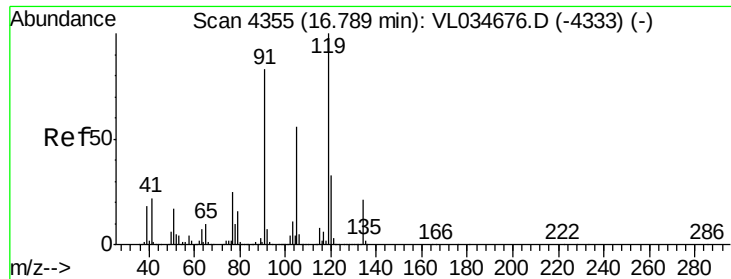
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#64
 n-propylbenzene
 Concen: 9.309 ppbv
 RT: 15.63 min Scan# 3994
 Delta R.T. 0.03 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
120	100		
91	482.5	369.8	554.8





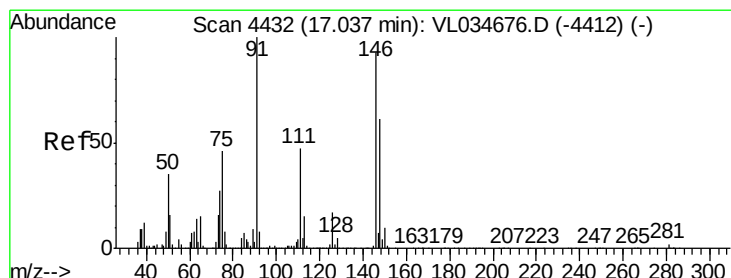
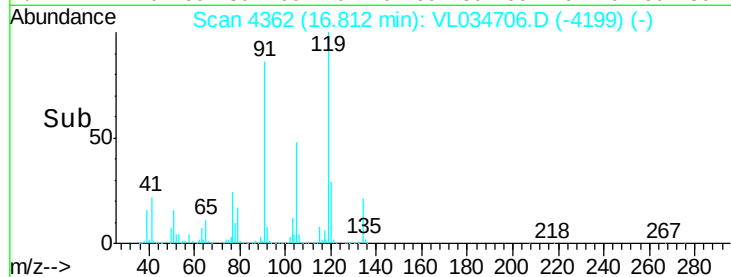
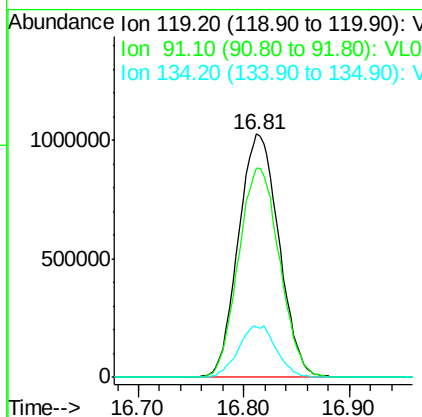
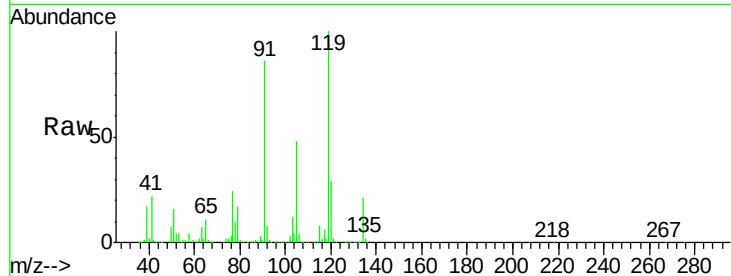
#65
 tert-Butylbenzene
 Concen: 9.309 ppbv
 RT: 16.81 min Scan# 4362
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
91	87.7	69.1	103.7
134	19.8	15.8	23.8

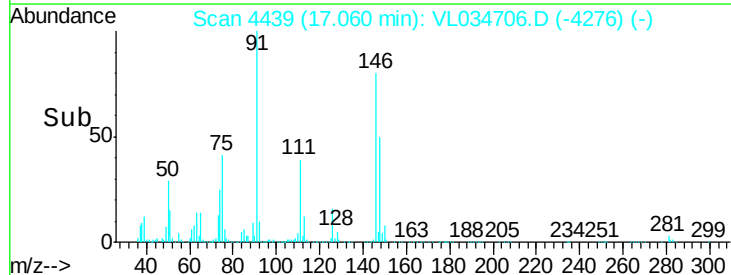
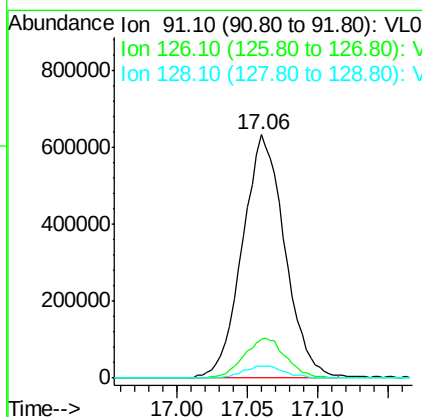
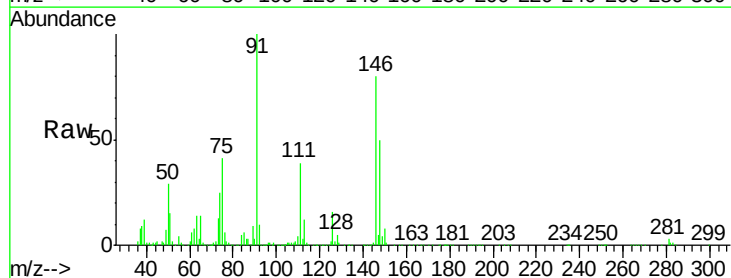
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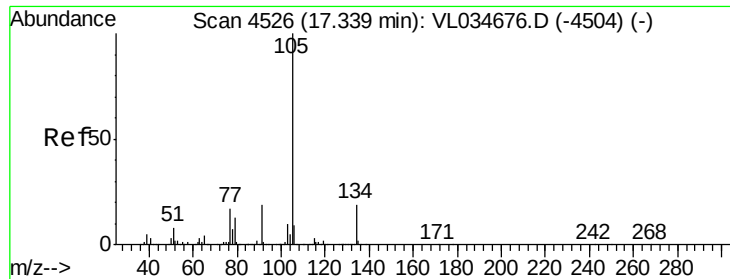
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#66
 Benzyl Chloride
 Concen: 12.054 ppbv
 RT: 17.06 min Scan# 4439
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
91	100		
126	16.4	13.5	20.3
128	5.0	4.2	6.4





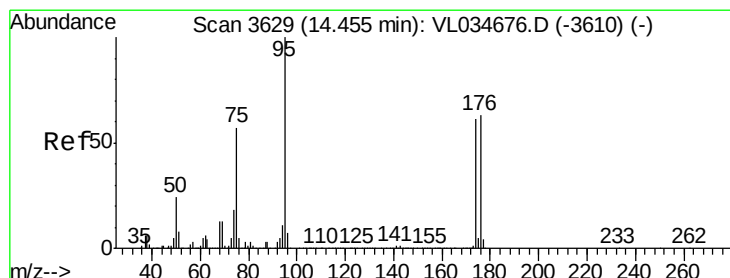
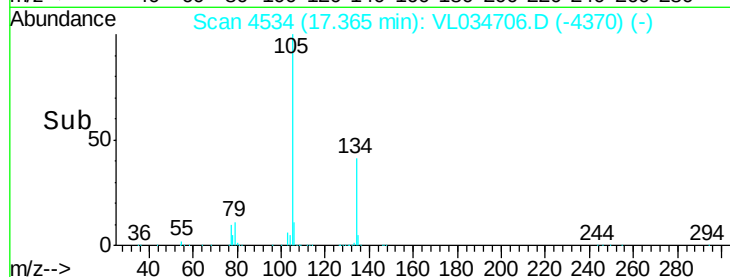
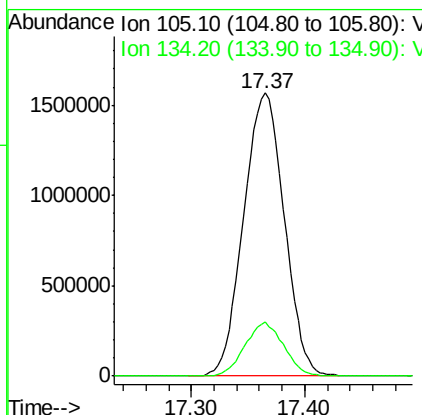
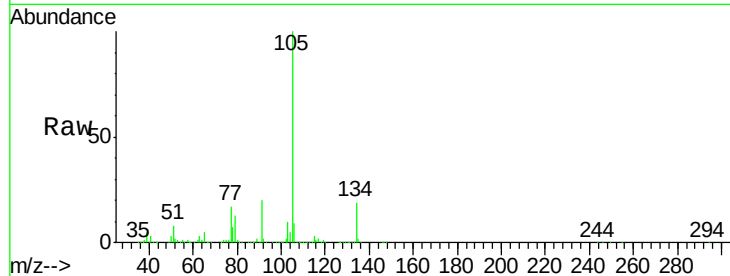
#67
 sec-Butylbenzene
 Concen: 9.234 ppbv
 RT: 17.37 min Scan# 4534
 Delta R.T. 0.03 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tot Ion: 105 Resp: 3911389
 Ion Ratio Lower Upper
 105 100
 134 18.2 14.8 22.2

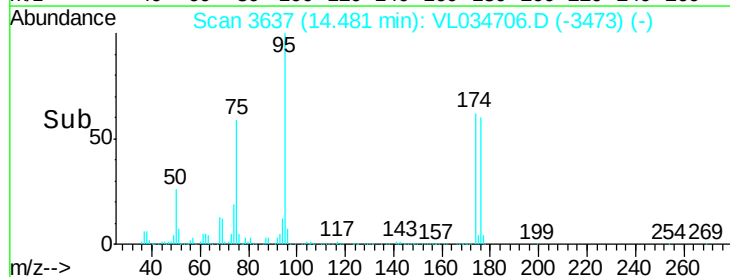
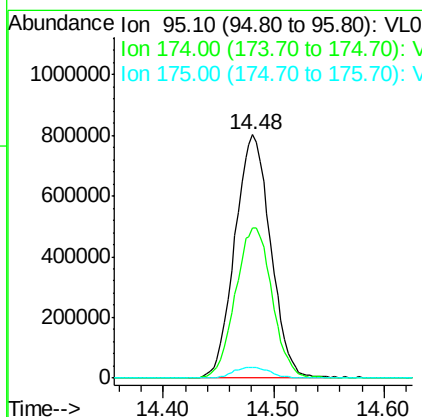
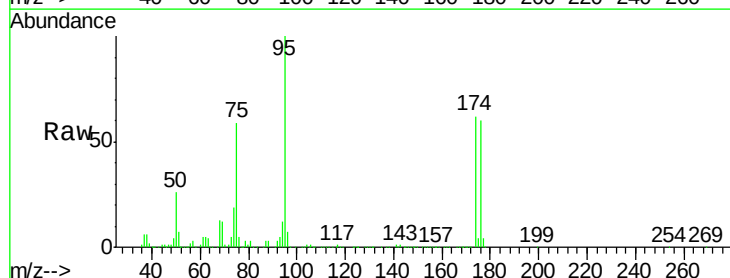
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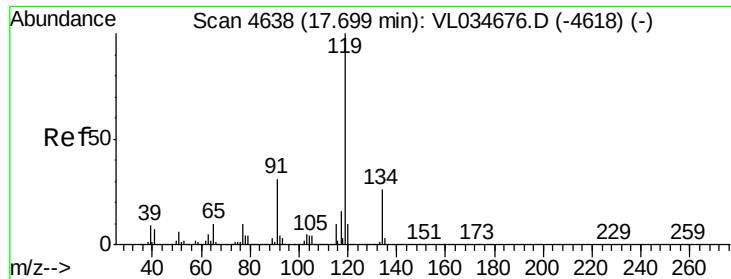
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.831 ppbv
 RT: 14.48 min Scan# 3637
 Delta R.T. 0.03 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tgt Ion: 95 Resp: 1798932
 Ion Ratio Lower Upper
 95 100
 174 63.3 50.7 76.1
 175 4.6 3.9 5.9





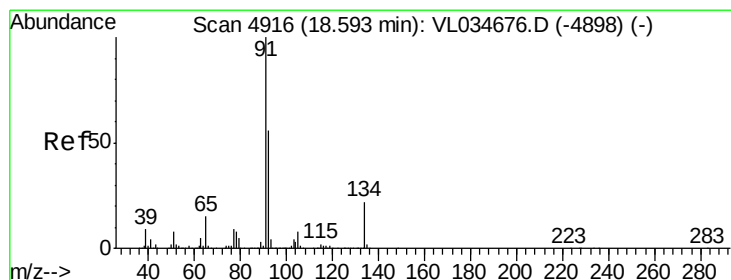
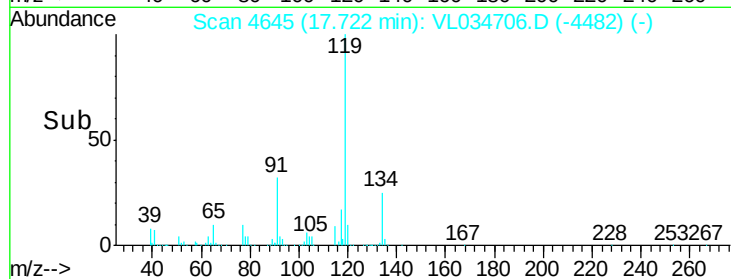
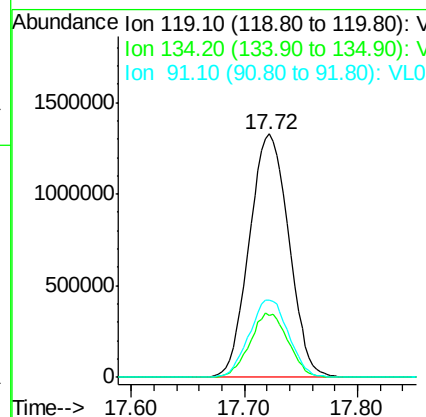
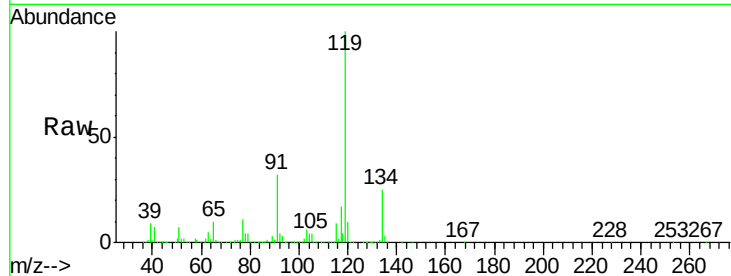
#69
 p-Isopropyltoluene
 Concen: 9.251 ppbv
 RT: 17.72 min Scan# 4645
 Delta R.T. 0.02 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.4	20.6	31.0
91	31.8	25.3	37.9

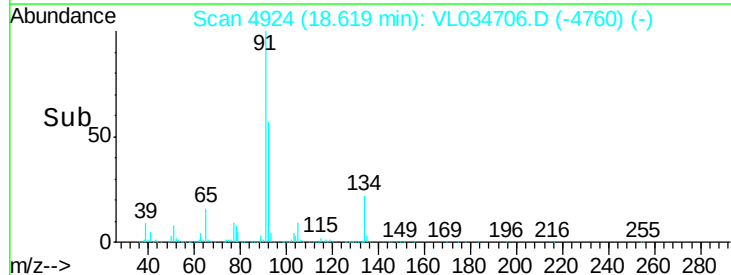
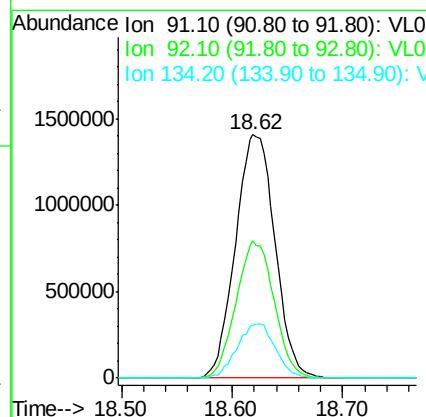
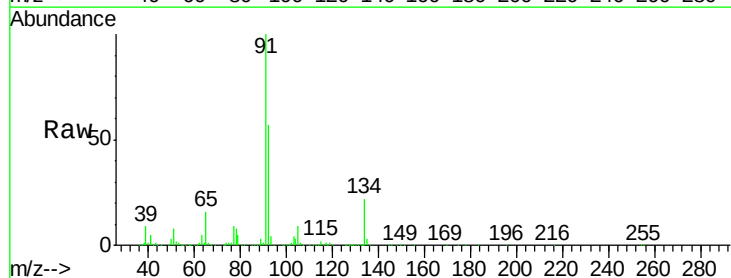
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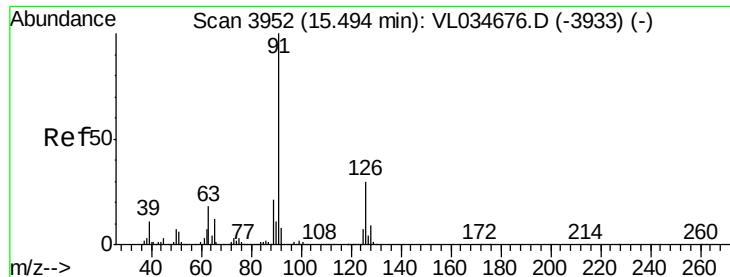
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#70
 n-Butylbenzene
 Concen: 9.151 ppbv
 RT: 18.62 min Scan# 4924
 Delta R.T. 0.03 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.8	65.6
134	21.6	17.6	26.4





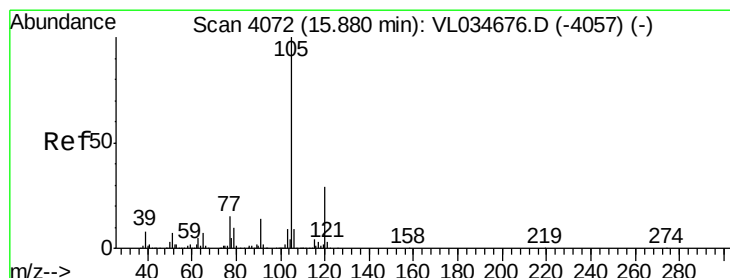
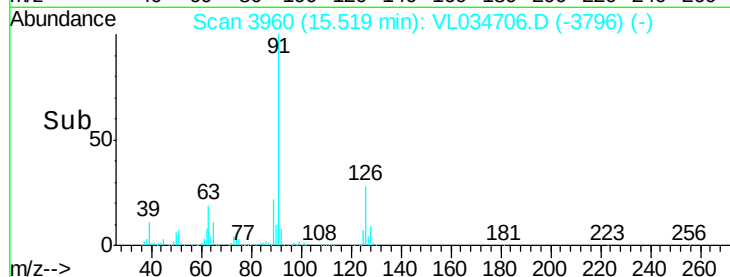
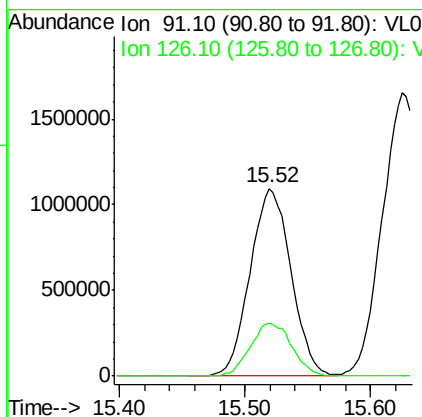
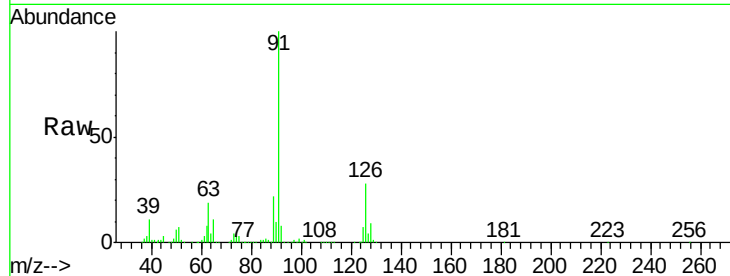
#71
2-Chlorotoluene
Concen: 9.414 ppbv
RT: 15.52 min Scan# 3960
Delta R.T. 0.03 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Instrument :
MSVOA_L
ClientSampleId :
VL0227ABS01

Tot Ion: 91 Resp: 2485659
Ion Ratio Lower Upper
91 100
126 28.8 11.8 47.2

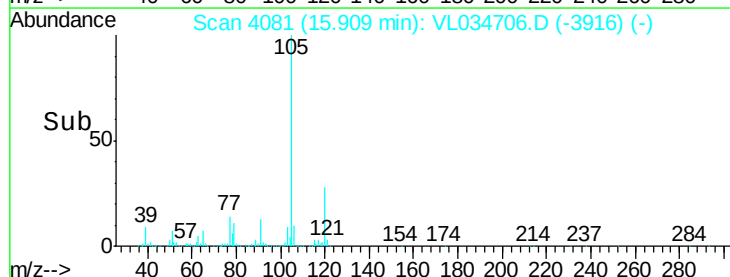
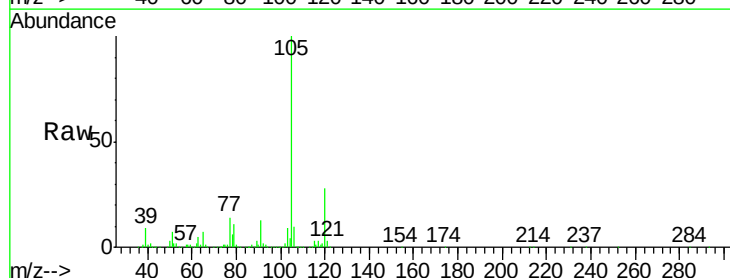
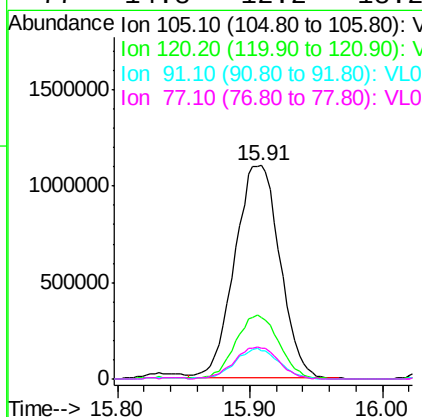
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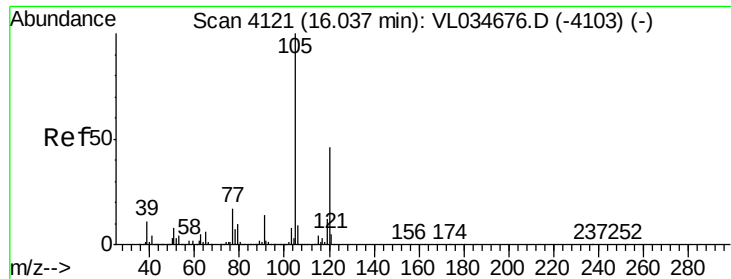
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#72
4-Ethyltoluene
Concen: 10.032 ppbv
RT: 15.91 min Scan# 4081
Delta R.T. 0.03 min
Lab File: VL034706.D
Acq: 27 Feb 2020 12:36

Tgt Ion: 105 Resp: 2609304
Ion Ratio Lower Upper
105 100
120 29.0 23.7 35.5
91 13.9 10.9 16.3
77 14.8 12.2 18.2





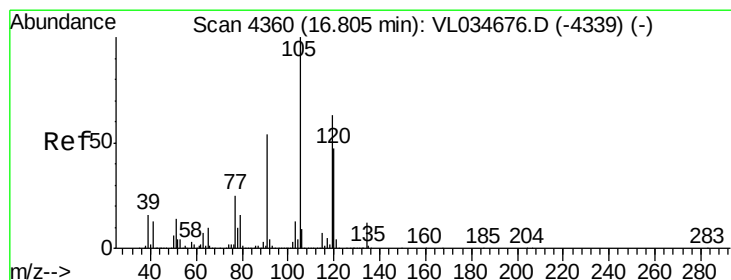
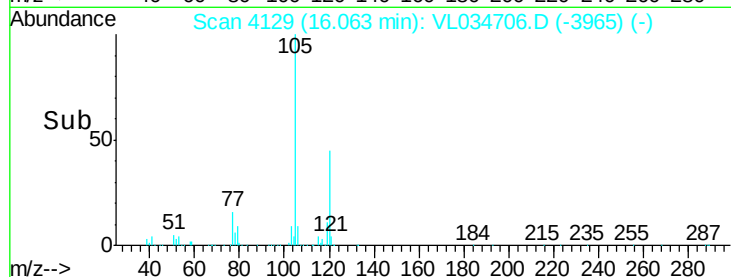
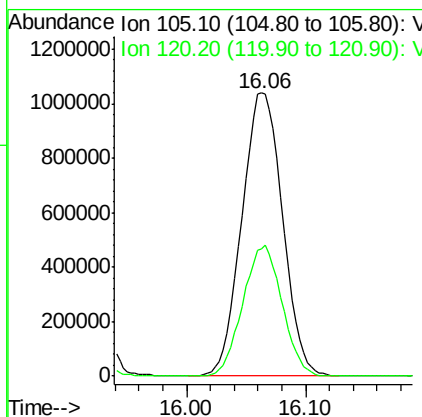
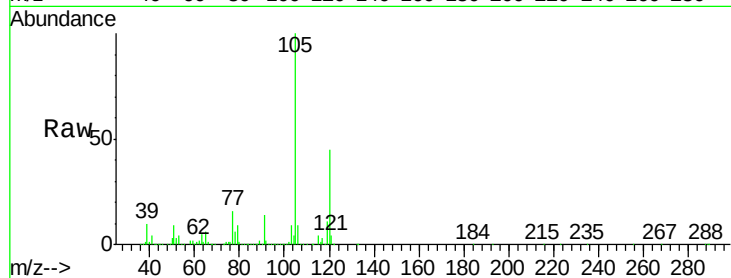
#73
 1,3,5-Trimethylbenzene
 Concen: 9.819 ppbv
 RT: 16.06 min Scan# 4129
 Delta R.T. 0.03 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tot Ion:105 Resp: 2456934
 Ion Ratio Lower Upper
 105 100
 120 44.9 37.1 55.7

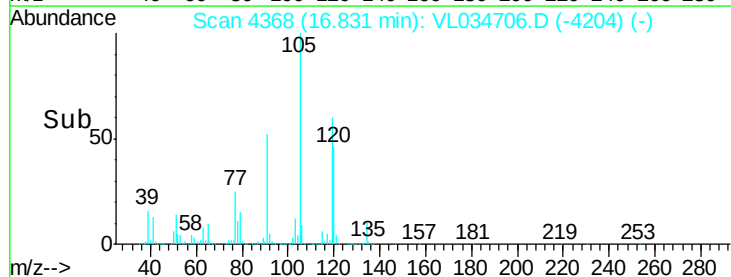
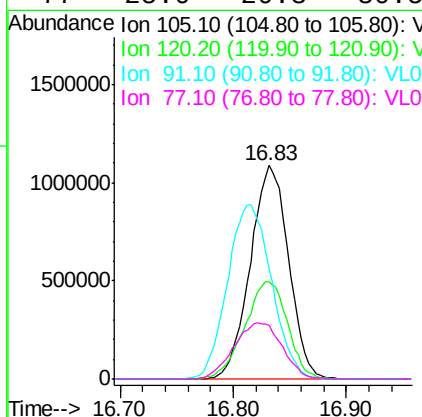
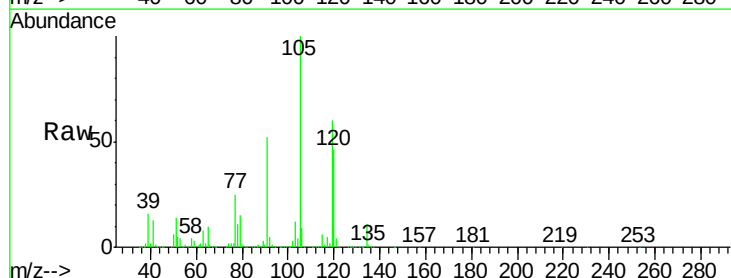
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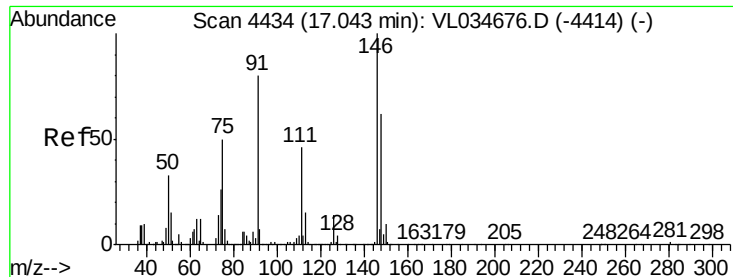
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.239 ppbv
 RT: 16.83 min Scan# 4368
 Delta R.T. 0.03 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tgt Ion:105 Resp: 2552966
 Ion Ratio Lower Upper
 105 100
 120 45.8 37.9 56.9
 91 51.4 43.9 65.9
 77 25.0 20.3 30.5





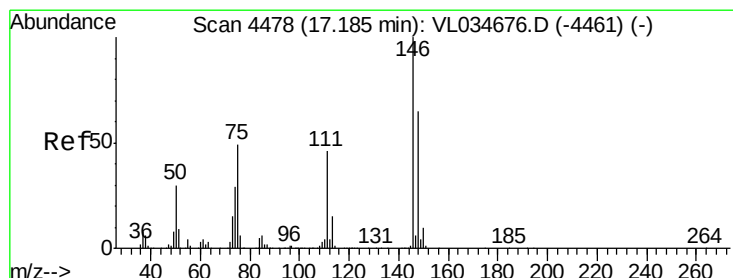
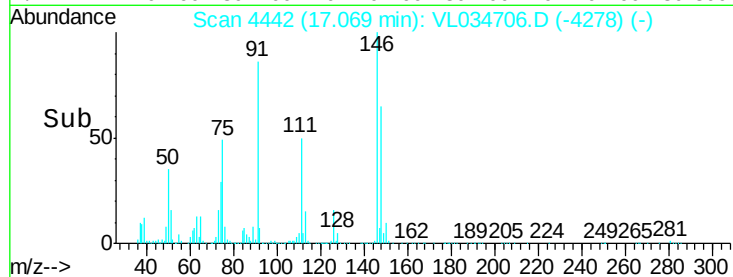
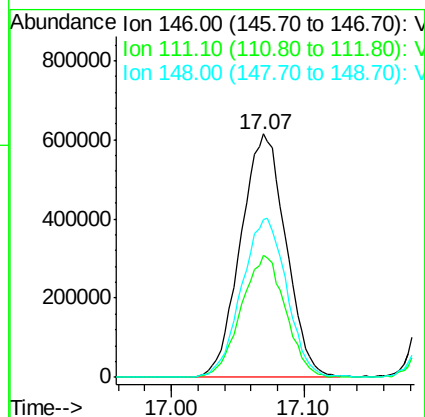
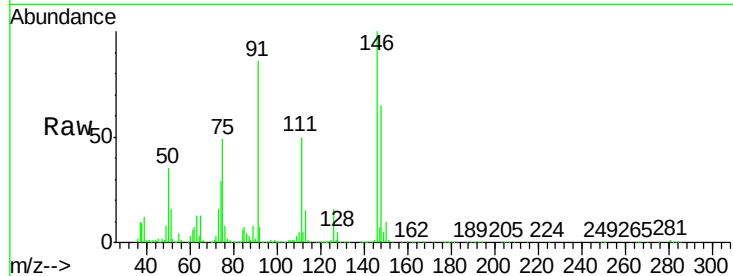
#75
 1,3-Dichlorobenzene
 Concen: 9.113 ppbv
 RT: 17.07 min Scan# 4442
 Delta R.T. 0.03 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tot Ion:146 Resp: 1453539
 Ion Ratio Lower Upper
 146 100
 111 49.2 24.4 73.2
 148 65.2 32.5 97.4

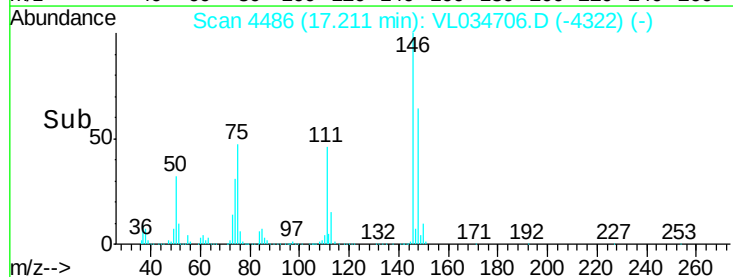
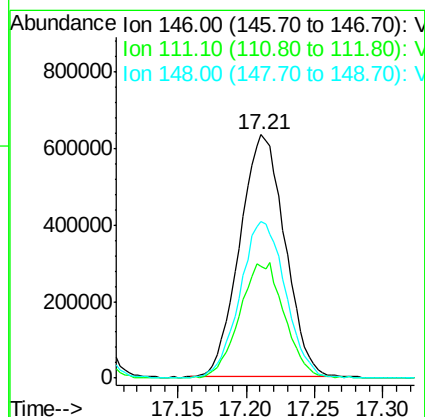
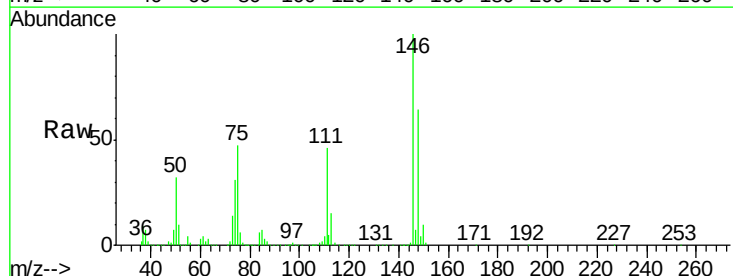
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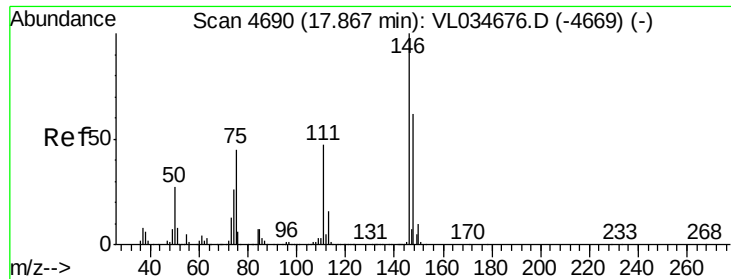
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#76
 1,4-Dichlorobenzene
 Concen: 9.135 ppbv
 RT: 17.21 min Scan# 4486
 Delta R.T. 0.03 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tgt Ion:146 Resp: 1457807
 Ion Ratio Lower Upper
 146 100
 111 47.7 23.4 70.0
 148 65.4 31.9 95.5





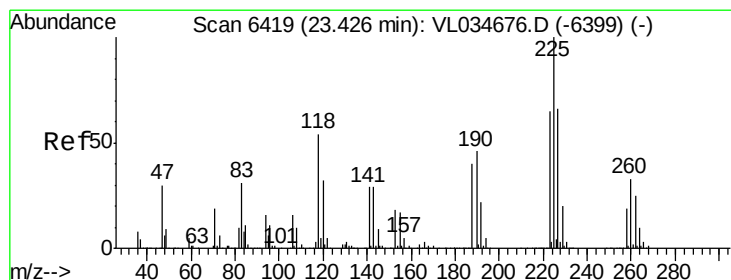
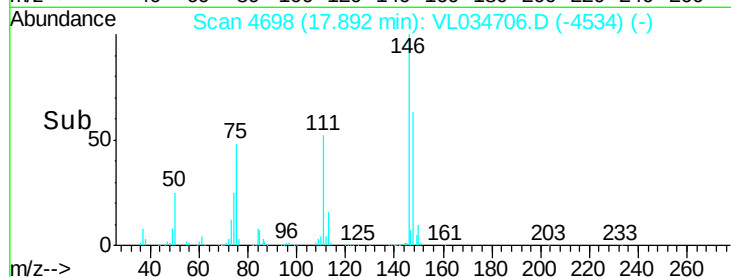
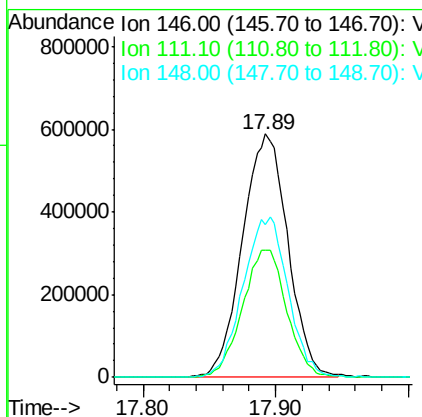
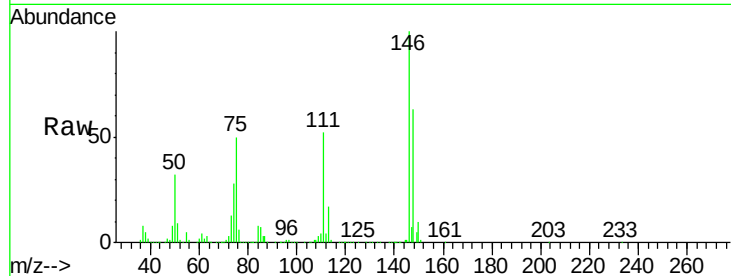
#77
 1,2-Dichlorobenzene
 Concen: 9.122 ppbv
 RT: 17.89 min Scan# 4698
 Delta R.T. 0.03 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Tot Ion:146 Resp: 1406694
 Ion Ratio Lower Upper
 146 100
 111 51.1 24.9 74.7
 148 65.2 32.0 96.0

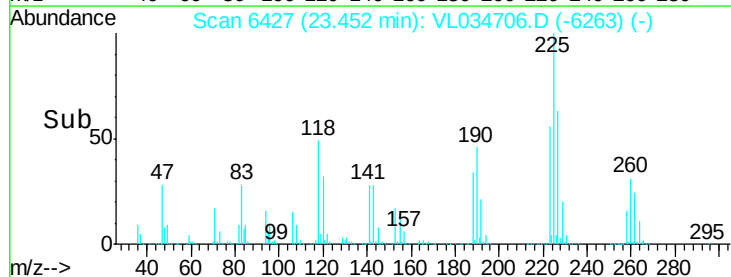
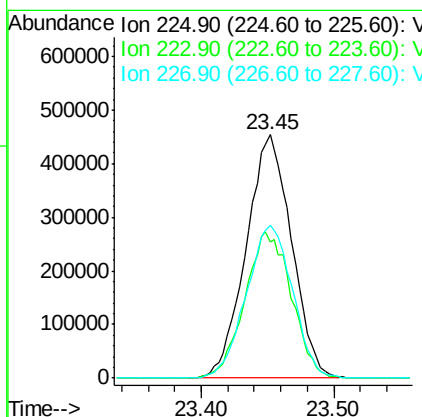
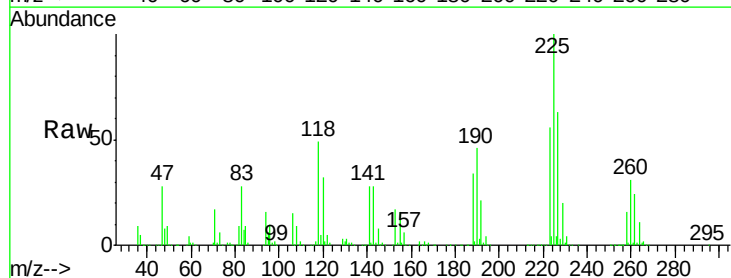
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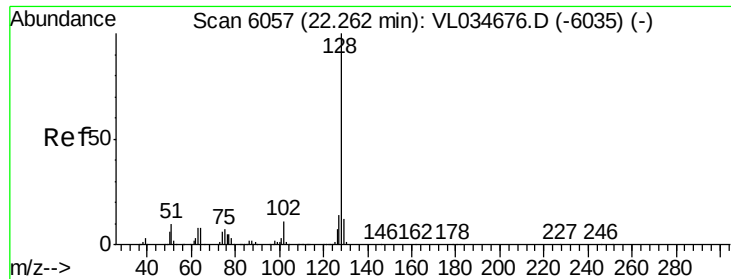
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.046 ppbv
 RT: 23.45 min Scan# 6427
 Delta R.T. 0.03 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tgt Ion:225 Resp: 1080343
 Ion Ratio Lower Upper
 225 100
 223 61.6 51.3 76.9
 227 64.1 51.3 76.9





#79

Naphthalene

Concen: 10.127 ppbv

RT: 22.30 min Scan# 6068

Delta R.T. 0.04 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Instrument :

MSVOA_L

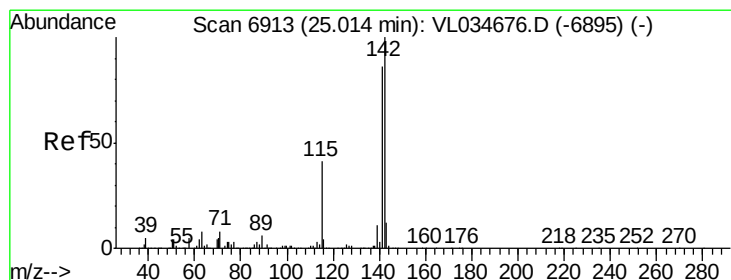
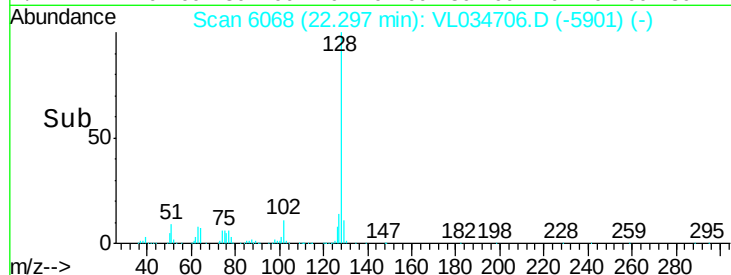
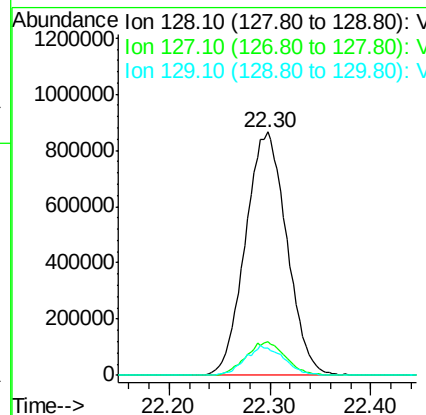
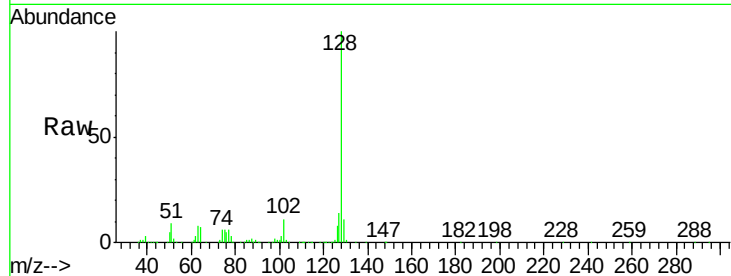
ClientSampleId :

VL0227ABS01

Tot Ion:	128	Resp:	2462680
Ion	Ratio	Lower	Upper
128	100		
127	14.0	11.0	16.6
129	11.0	9.4	14.2

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#80

Naphthalene, 2-methyl-

Concen: 7.208 ppbv

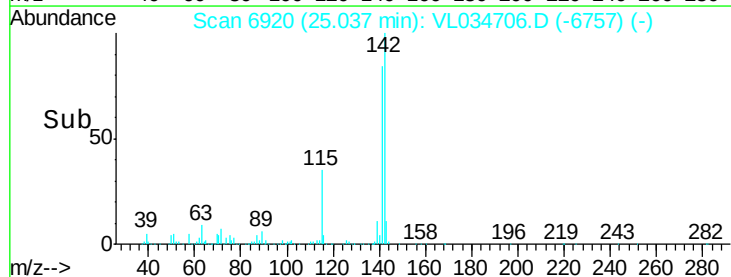
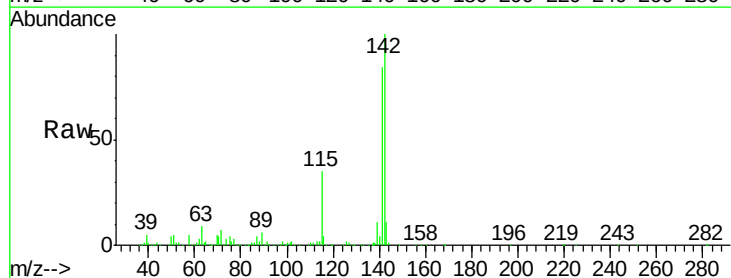
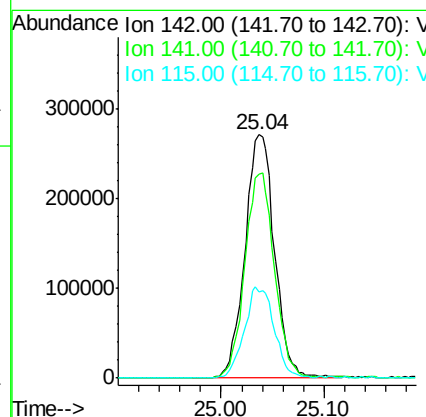
RT: 25.04 min Scan# 6920

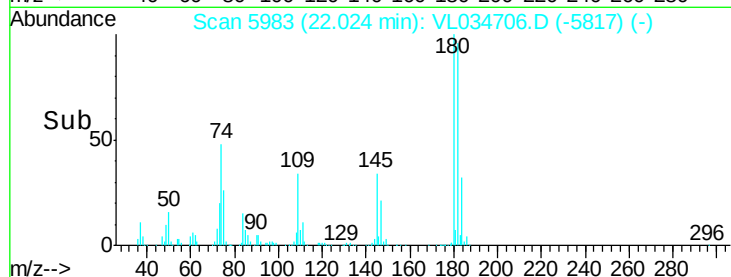
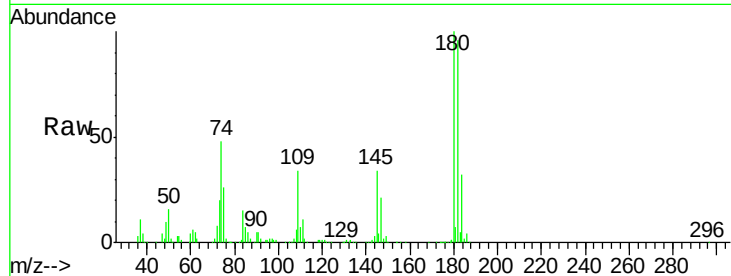
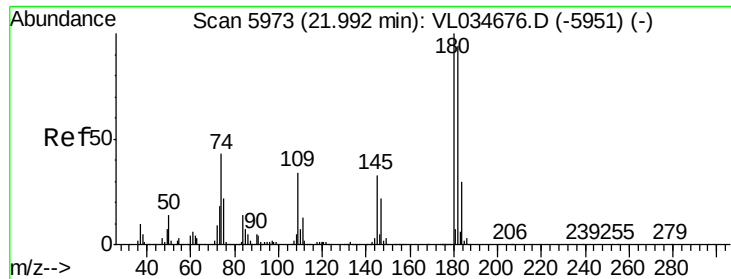
Delta R.T. 0.02 min

Lab File: VL034706.D

Acq: 27 Feb 2020 12:36

Tgt Ion:	142	Resp:	540698
Ion	Ratio	Lower	Upper
142	100		
141	84.0	66.5	99.7
115	38.2	30.6	46.0





#81
 1,2,4-Trichlorobenzene
 Concen: 8.958 ppbv
 RT: 22.02 min Scan# 5983
 Delta R.T. 0.03 min
 Lab File: VL034706.D
 Acq: 27 Feb 2020 12:36

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.5	114.7
184	31.0	25.2	37.8

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0227ABS01

Manual Integrations
 APPROVED

MMDadoda
 2/28/2020 12:32:29 PM

