

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL020420\
 Data File : VL034577.D
 Acq On : 4 Feb 2020 11:42
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 2/5/2020 2:50:05 PM

Quant Time: Feb 05 05:58:12 2020

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30

QLast Update : Thu Jan 30 17:16:44 2020

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1194033	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2440872	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.13	117	2582395	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.46	95	2170845	9.95	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.01	85	2239988	8.517	ppbv	99
3) Chlorodifluoromethane	2.95	51	1258052	8.720	ppbv	100
4) Chloromethane	3.11	50	757510	8.581	ppbv	99
5) Vinyl Chloride	3.22	62	707824	8.394	ppbv	98
6) Bromomethane	3.44	94	389530	8.882	ppbv	96
7) Chloroethane	3.53	64	274398	8.751	ppbv	96
8) Dichlorotetrafluoroethane	3.16	85	1766560	8.594	ppbv	99
9) Propene	2.98	41	498291	8.870	ppbv	100
10) Heptane	8.14	43	1344263	9.509	ppbv	98
11) Trichlorofluoromethane	3.93	101	2070687	8.667	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1399477	8.978	ppbv	99
13) Ethanol	3.58	45	109384	7.269	ppbv	99
14) Bromoethene	3.71	108	558539	9.135	ppbv	97
15) Acetone	3.83	43	1435890	8.182	ppbv	100
16) 1,3-Butadiene	3.29	39	655095	9.401	ppbv	100
17) tert-Butyl alcohol	4.28	59	1173600	9.094	ppbv	100
18) 1,1-Dichloroethene	4.27	96	623115	9.470	ppbv	98
19) Isopropyl Alcohol	3.95	45	876584	8.560	ppbv	99
20) Methylene Chloride	4.33	84	532250	7.965	ppbv	98
21) Allyl Chloride	4.39	41	1023323	9.389	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	631294	9.161	ppbv	97
23) Vinyl Acetate	5.07	43	1861751	9.299	ppbv	99
24) 1,1-Dichloroethane	5.01	63	1487639	8.899	ppbv	99
25) Ethyl Acetate	5.67	43	2500820	8.803	ppbv	100
26) Hexane	5.69	57	1079621	9.073	ppbv	98
27) Carbon Disulfide	4.53	76	1619268	10.085	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1926561	9.493	ppbv	99
29) Chloroform	5.75	83	1838927	8.739	ppbv	98
30) Cyclohexane	7.14	84	870925	9.877	ppbv	97
31) cis-1,2-Dichloroethene	5.55	61	1154923	9.341	ppbv	97
32) 1,1,1-Trichloroethane	6.52	97	1950650	8.634	ppbv	99
34) 2-Butanone	5.24	43	1579449	8.912	ppbv	100
35) Carbon Tetrachloride	7.03	117	2113666	9.058	ppbv	97
36) Benzene	6.90	78	2051571	9.451	ppbv	96
37) 1,2-Dichloroethane	6.32	62	1628714	8.993	ppbv	100
38) Trichloroethene	7.86	130	888269	9.708	ppbv	94
39) 1,2-Dichloropropane	7.63	63	814442	9.051	ppbv	95
40) 1,4-Dioxane	7.84	88	303333	8.769	ppbv	91
41) Tetrahydrofuran	6.05	42	865153	9.357	ppbv	99
42) Bromodichloromethane	7.81	83	2077654	9.321	ppbv	97
43) Methyl Methacrylate	8.03	69	864272	9.899	ppbv	98

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 2/5/2020 2:50:05 PM

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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL013020AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Jan 30 2020
 QLast Update : Thu Jan 30 17:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	3596743	9.133	ppbv	99
45) t-1,3-Dichloropropene	9.31	75	1250500	10.939	ppbv	98
46) cis-1,3-Dichloropropene	8.73	75	1356656	10.441	ppbv	96
47) 1,1,2-Trichloroethane	9.50	97	889790	9.130	ppbv	95
48) Dibromochloromethane	10.34	129	1740558	9.746	ppbv	100
49) Bromoform	13.09	173	1575119	10.045	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2363558	9.352	ppbv	100
51) 2-Hexanone	10.16	43	1966600	9.884	ppbv #	99
52) Tetrachloroethene	11.26	164	794974	9.117	ppbv	97
53) Toluene	9.84	91	2369569	9.937	ppbv	99
54) 1,2-Dibromoethane	10.65	107	1351331	9.252	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.17	131	1155330	9.062	ppbv #	63
57) Chlorobenzene	12.19	112	1893382	8.910	ppbv	99
58) Ethyl Benzene	12.75	91	3297913	9.544	ppbv	96
59) m/p-Xylene	13.03	91	5515237m	18.055	ppbv	
60) o-Xylene	13.73	91	2841316	9.262	ppbv	99
61) Styrene	13.57	104	2038360	9.965	ppbv	98
62) Isopropylbenzene	14.71	105	3628366	9.127	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.72	83	1972908	8.315	ppbv	100
64) n-propylbenzene	15.61	120	954517	9.333	ppbv	99
65) tert-Butylbenzene	16.80	119	3292403	9.141	ppbv	99
66) Benzyl Chloride	17.04	91	1622484	10.743	ppbv	99
67) sec-Butylbenzene	17.34	105	4431319	8.953	ppbv	99
69) p-Isopropyltoluene	17.70	119	3712895	9.238	ppbv	99
70) n-Butylbenzene	18.60	91	3833530	8.986	ppbv	100
71) 2-Chlorotoluene	15.50	91	2802162	9.286	ppbv	99
72) 4-Ethyltoluene	15.89	105	3172648	9.415	ppbv	99
73) 1,3,5-Trimethylbenzene	16.05	105	3054564	9.276	ppbv	98
74) 1,2,4-Trimethylbenzene	16.81	105	3182348	8.730	ppbv #	91
75) 1,3-Dichlorobenzene	17.05	146	1795160	8.553	ppbv	99
76) 1,4-Dichlorobenzene	17.19	146	1791200	8.659	ppbv	99
77) 1,2-Dichlorobenzene	17.87	146	1682791	8.346	ppbv	98
78) Hexachloro-1,3-Butadiene	23.43	225	1586979	8.231	ppbv	99
79) Naphthalene	22.27	128	2703032	9.419	ppbv	99
80) Naphthalene, 2-methyl-	25.02	142	1349282	12.221	ppbv	99
81) 1,2,4-Trichlorobenzene	22.00	180	1650198	9.327	ppbv	99

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

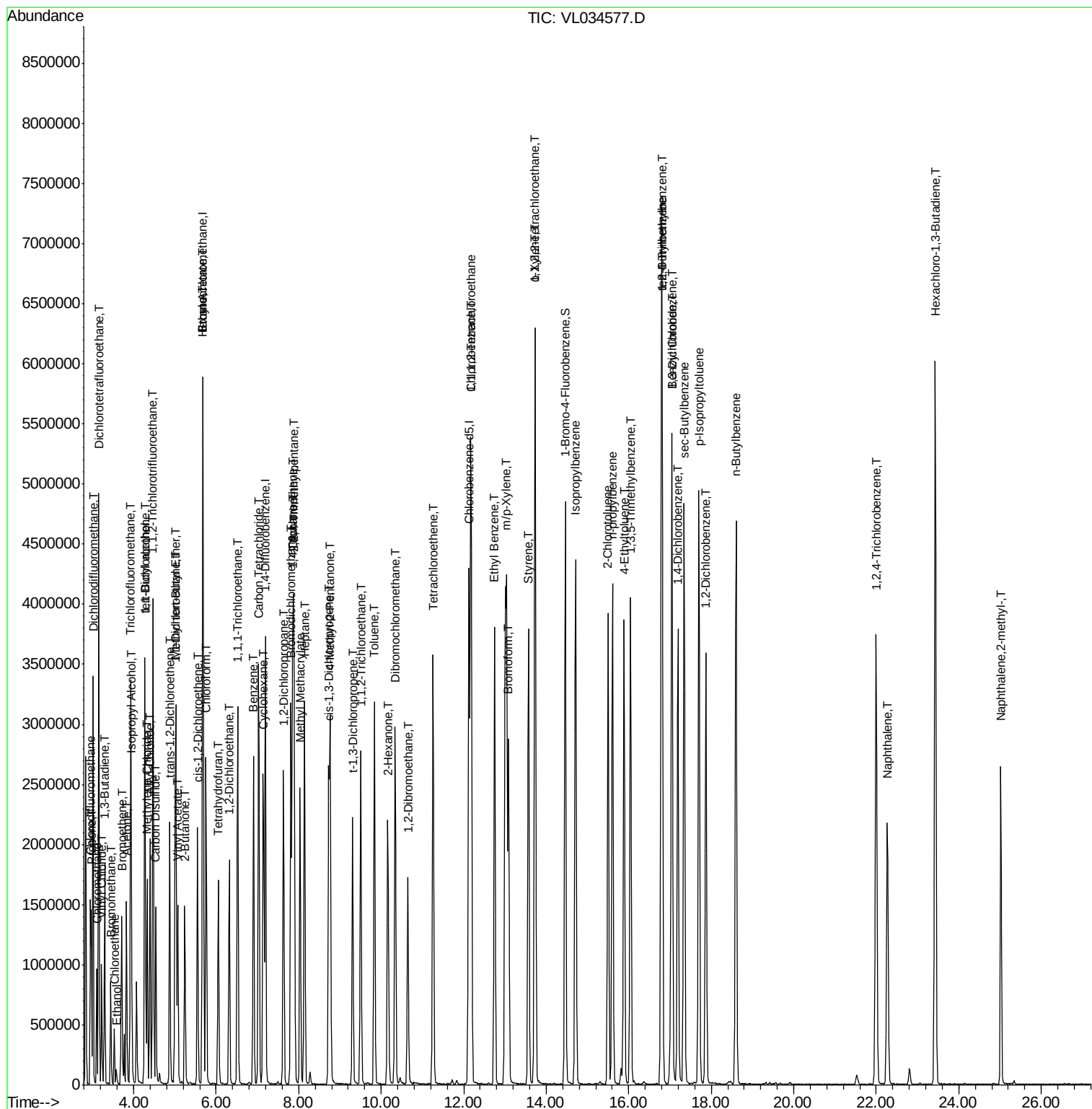
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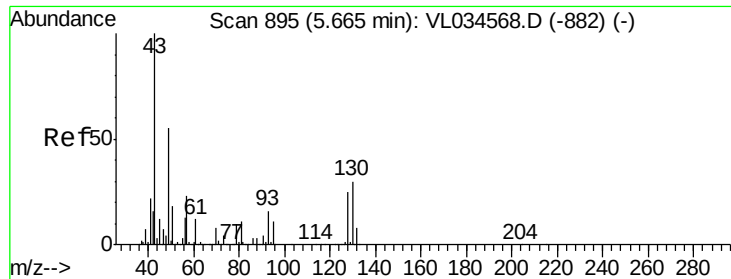
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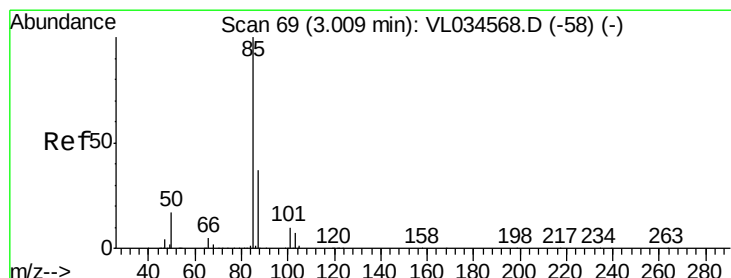
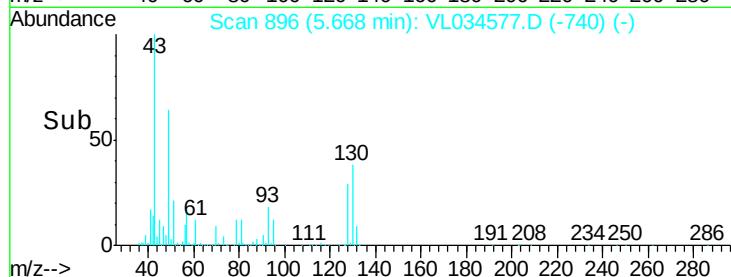
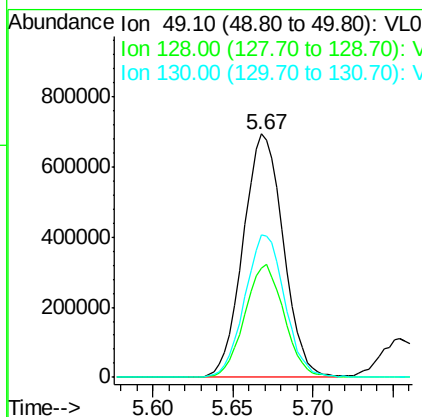
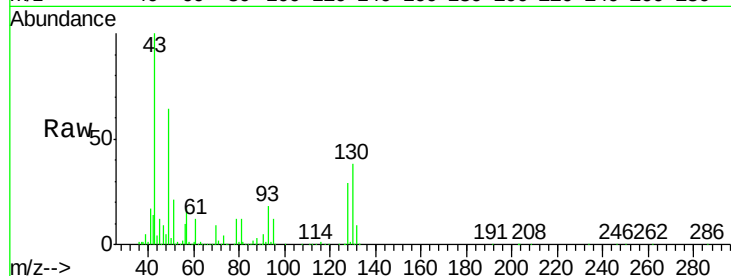
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 49 Resp: 1194033
Ion Ratio Lower Upper
49 100
128 45.6 22.7 68.1
130 58.4 28.6 85.8

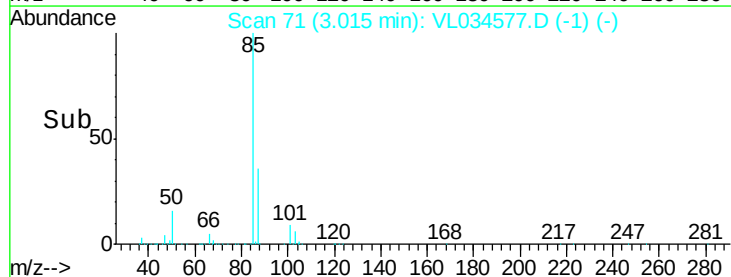
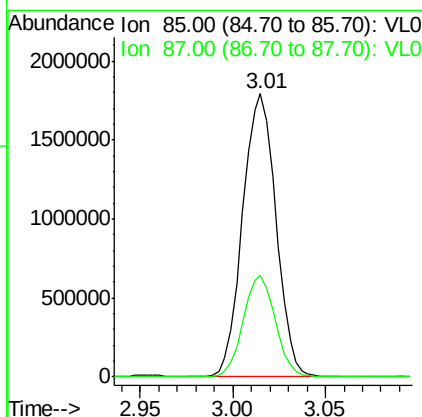
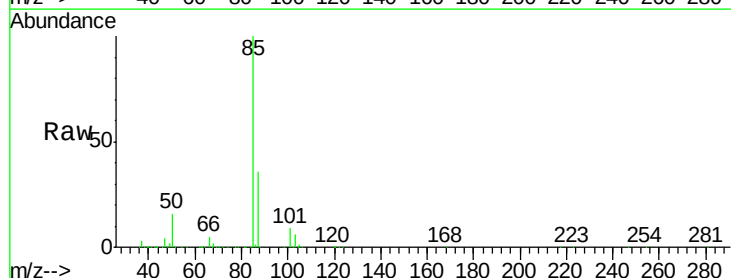
Manual Integrations
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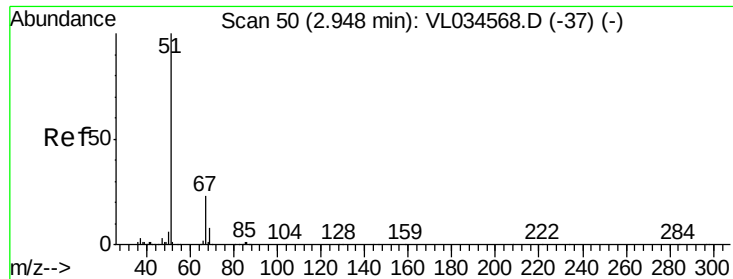
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#2
Dichlorodifluoromethane
Concen: 8.517 ppbv
RT: 3.01 min Scan# 71
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 85 Resp: 2239988
Ion Ratio Lower Upper
85 100
87 36.1 29.5 44.3





#3

Chlorodifluoromethane

Concen: 8.720 ppbv

RT: 2.95 min Scan# 52

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Tot Ion: 51 Resp: 1258052

Ion Ratio Lower Upper

51 100

67 22.3 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

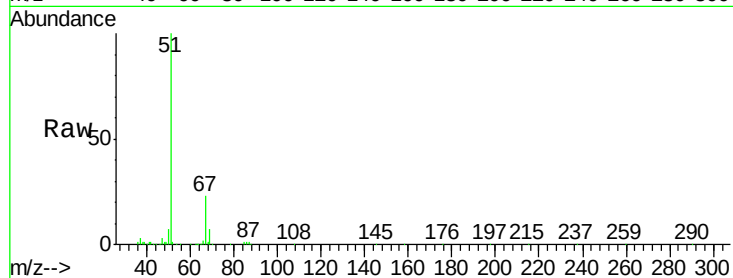
VSTDCCC010

Manual Integrations

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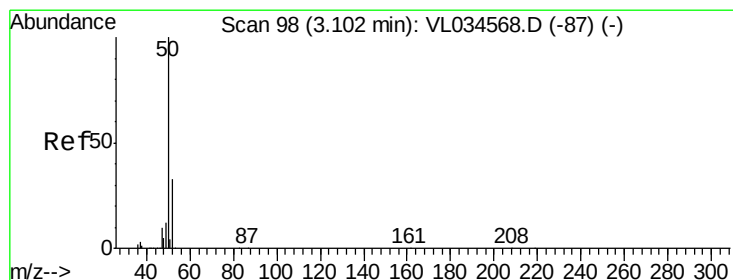
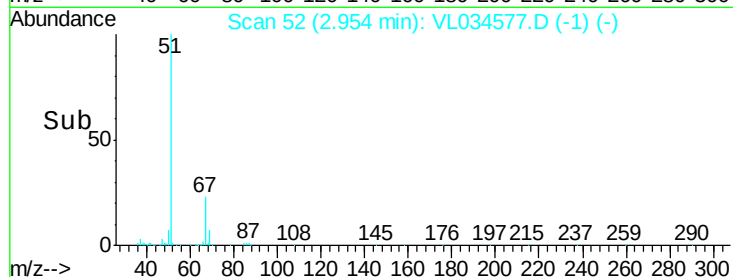
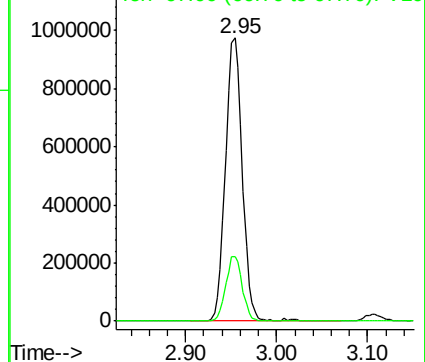
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.581 ppbv

RT: 3.11 min Scan# 100

Delta R.T. 0.01 min

Lab File: VL034577.D

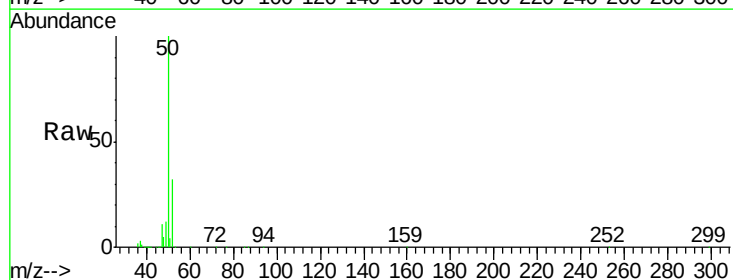
Acq: 4 Feb 2020 11:42

Tgt Ion: 50 Resp: 757510

Ion Ratio Lower Upper

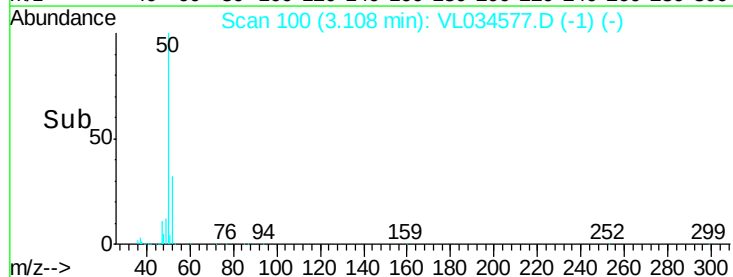
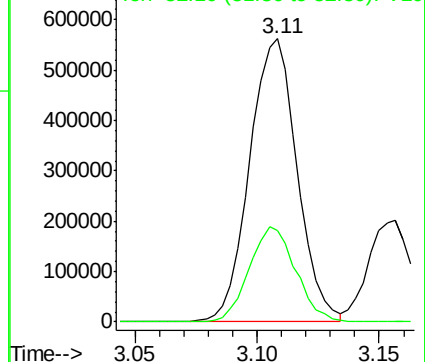
50 100

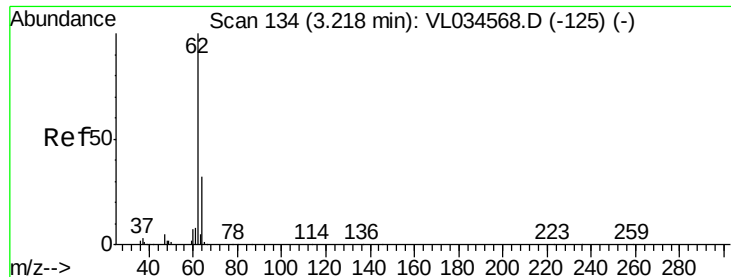
52 32.4 26.6 39.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.394 ppbv

RT: 3.22 min Scan# 136

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 707824

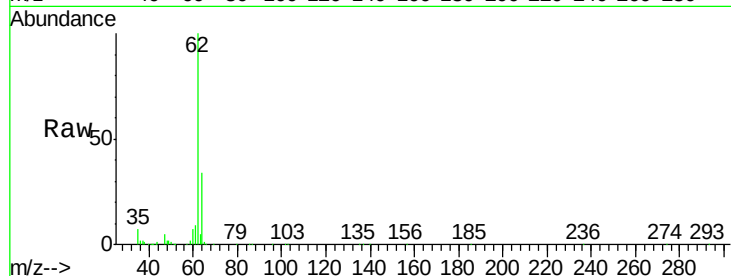
Ion Ratio Lower Upper

62 100

64 33.6 25.8 38.6

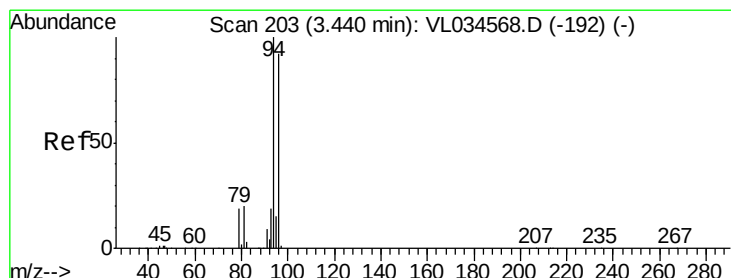
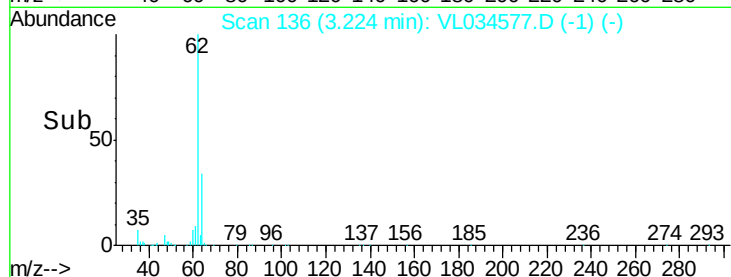
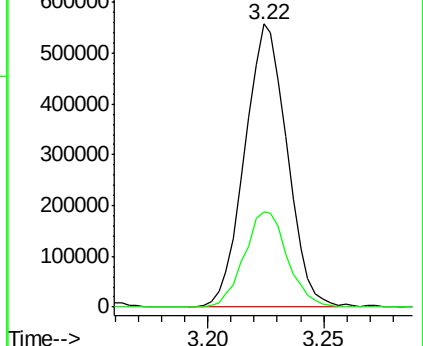
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.882 ppbv

RT: 3.44 min Scan# 204

Delta R.T. 0.00 min

Lab File: VL034577.D

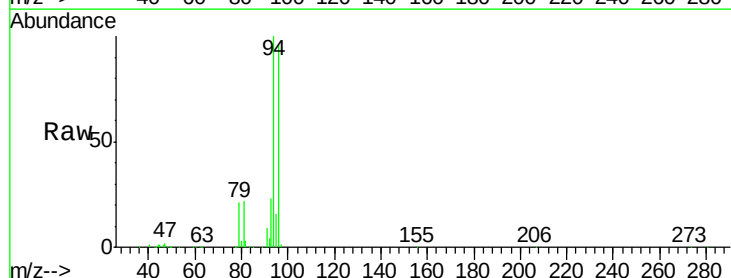
Acq: 4 Feb 2020 11:42

Tgt Ion: 94 Resp: 389530

Ion Ratio Lower Upper

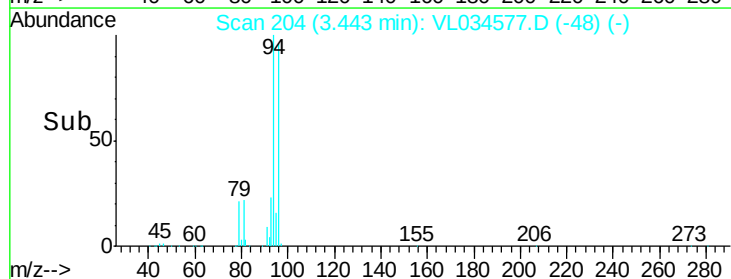
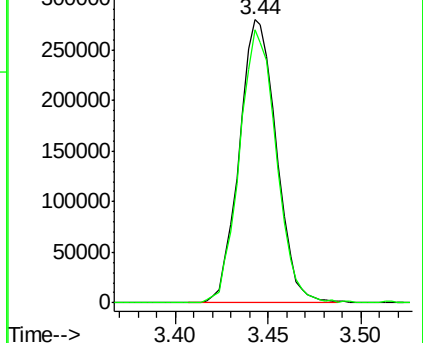
94 100

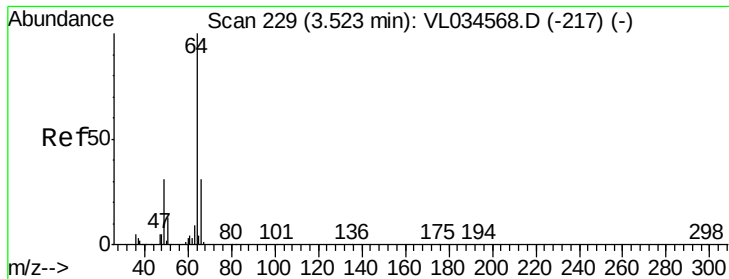
96 96.4 73.8 110.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 8.751 ppbv

RT: 3.53 min Scan# 231

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 274398

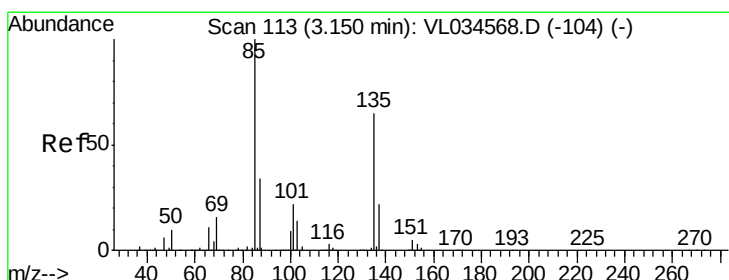
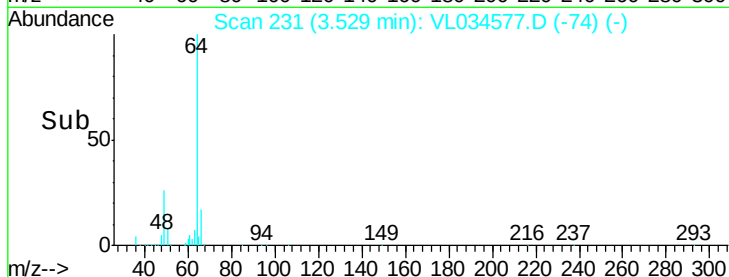
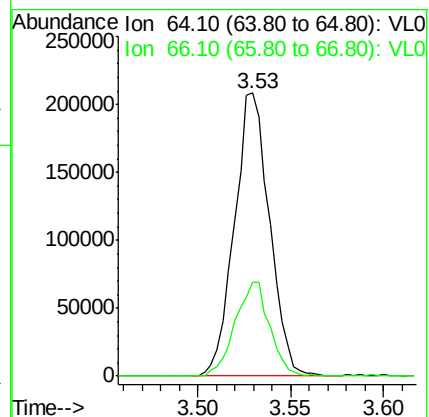
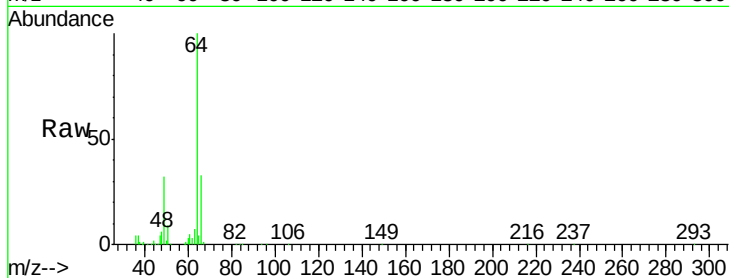
Ion Ratio Lower Upper

64 100

66 33.2 25.0 37.4

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 8.594 ppbv

RT: 3.16 min Scan# 115

Delta R.T. 0.01 min

Lab File: VL034577.D

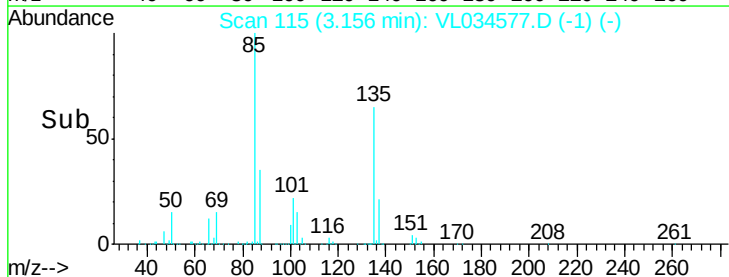
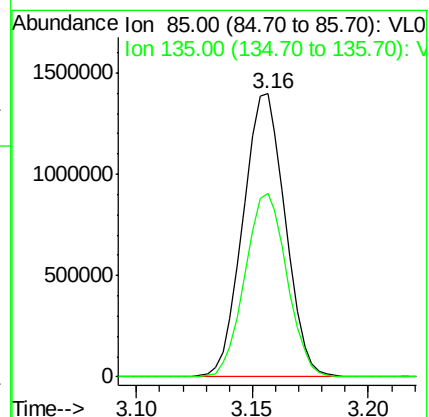
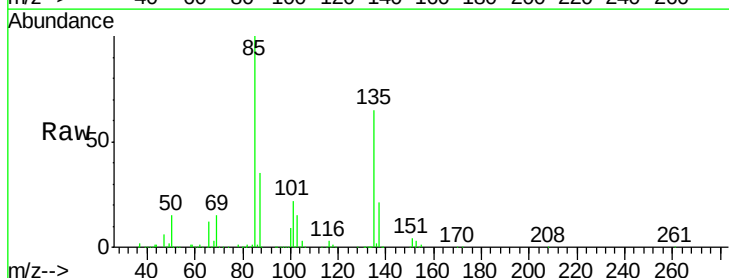
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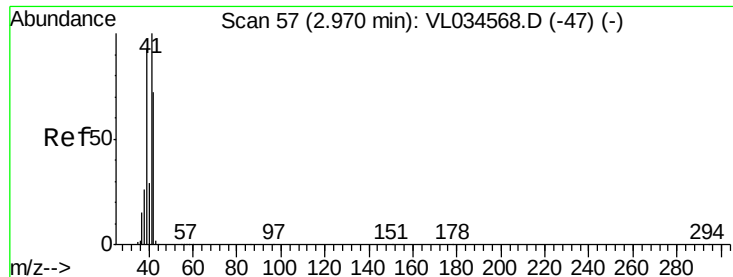
Tgt Ion: 85 Resp: 1766560

Ion Ratio Lower Upper

85 100

135 64.7 52.2 78.2





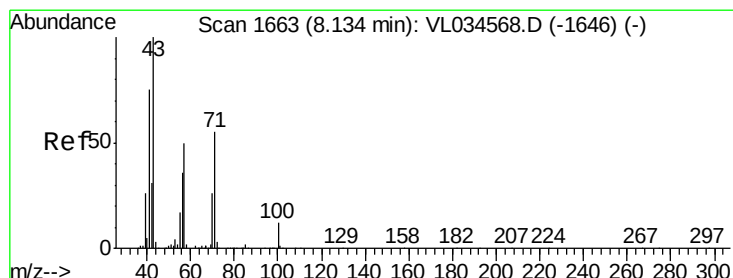
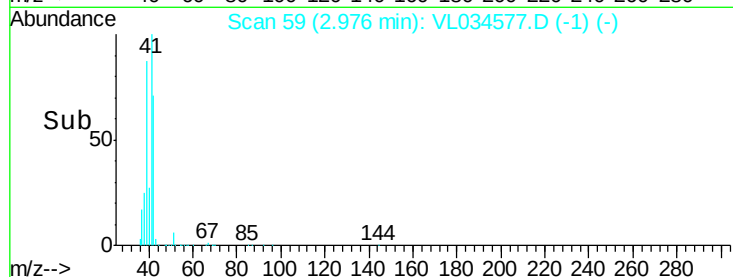
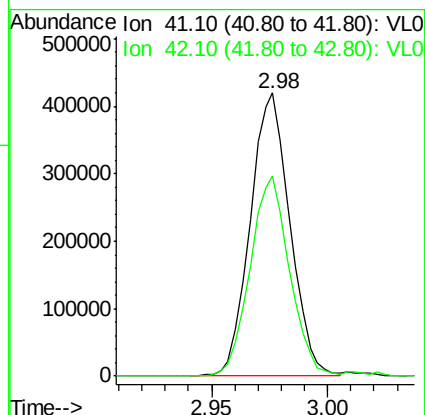
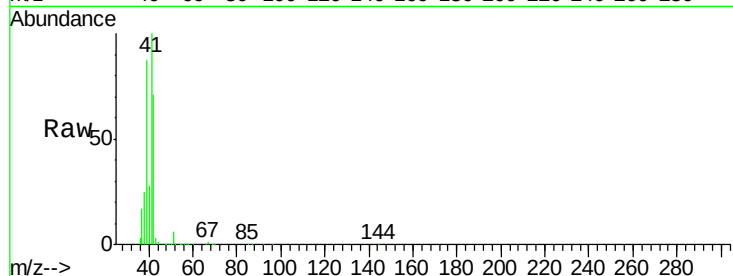
#9
 Propene
 Concen: 8.870 ppbv
 RT: 2.98 min Scan# 59
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Instrument :
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 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
41	100		
42	71.5	57.0	85.4

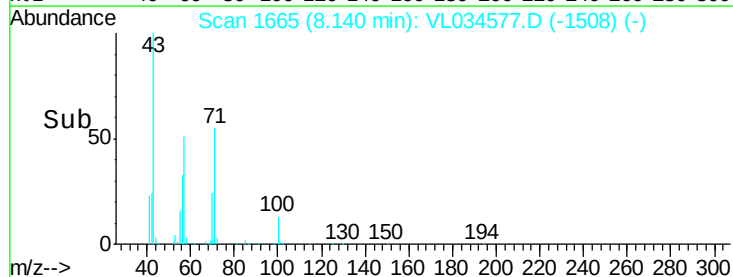
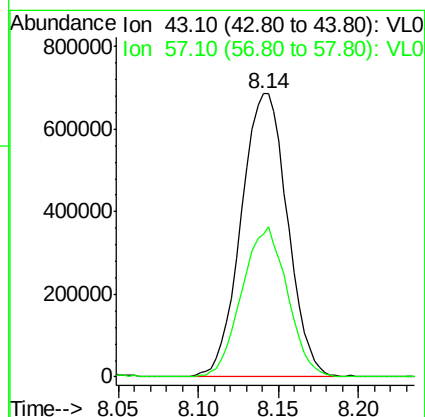
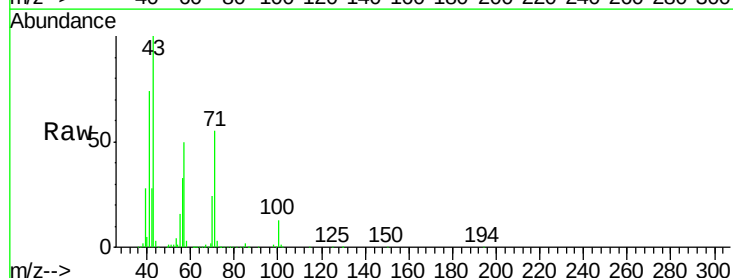
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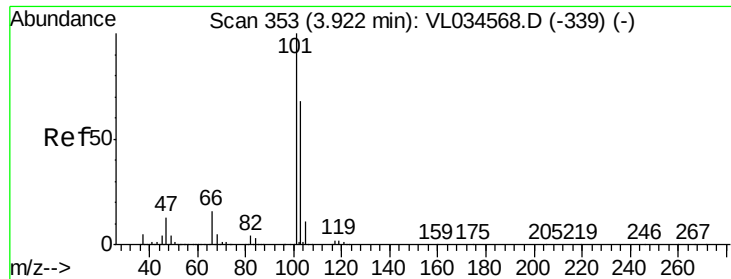
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#10
 Heptane
 Concen: 9.509 ppbv
 RT: 8.14 min Scan# 1665
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion	Ratio	Lower	Upper
43	100		
57	52.6	41.2	61.8





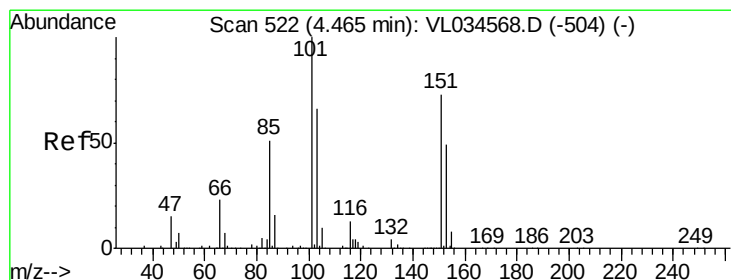
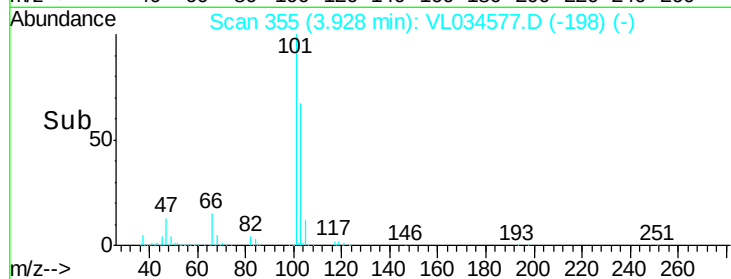
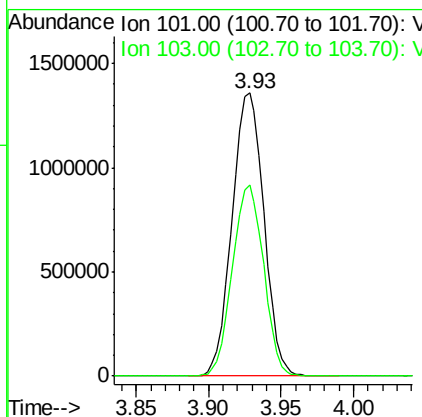
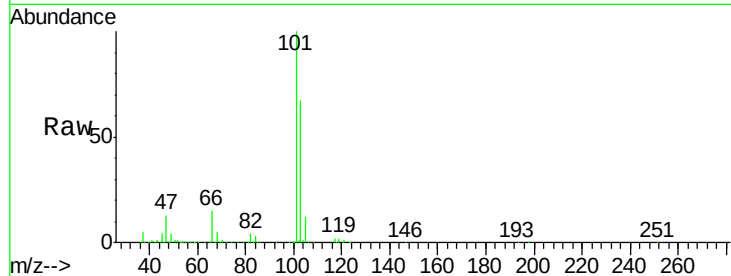
#11
 Trichlorofluoromethane
 Concen: 8.667 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2070687
 Ion Ratio Lower Upper
 101 100
 103 67.5 54.4 81.6

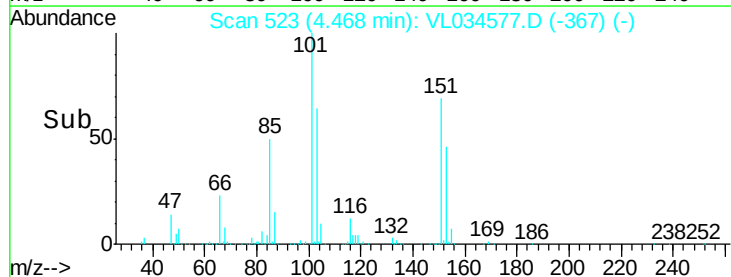
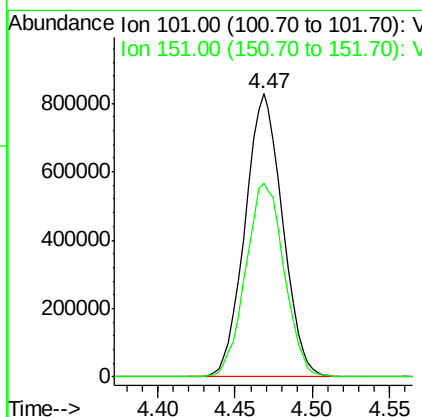
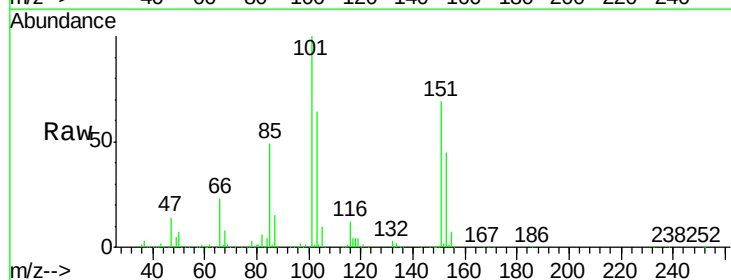
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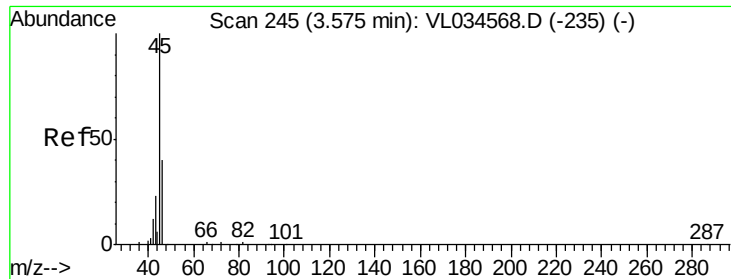
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 8.978 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. 0.00 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion:101 Resp: 1399477
 Ion Ratio Lower Upper
 101 100
 151 70.4 57.0 85.6





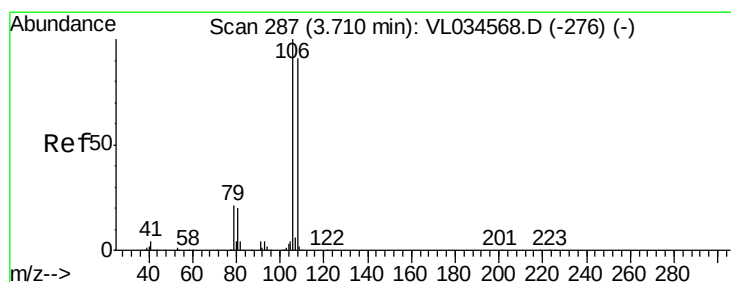
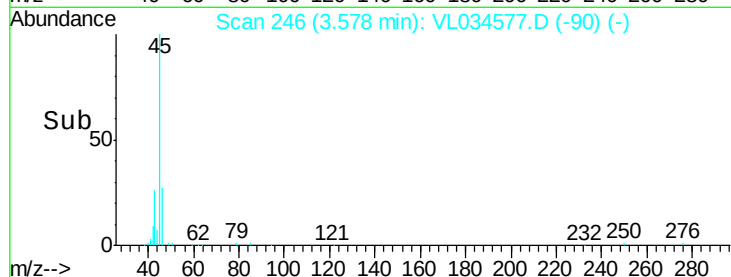
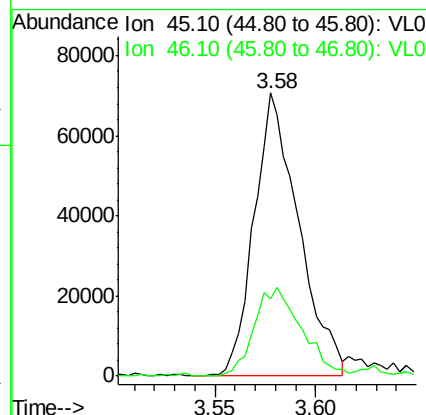
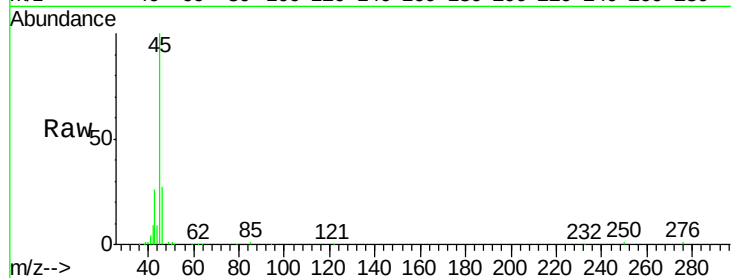
#13
Ethanol
Concen: 7.269 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.00 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.5	14.8	59.2

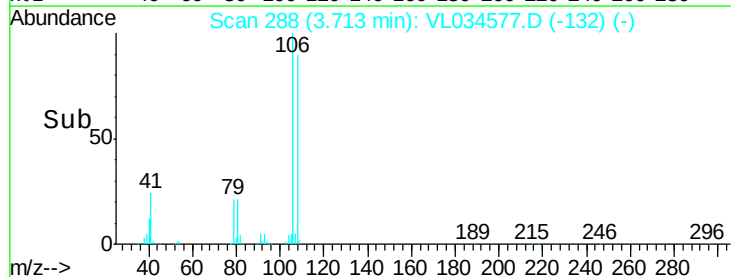
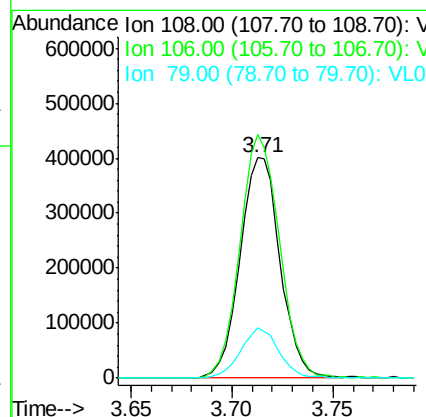
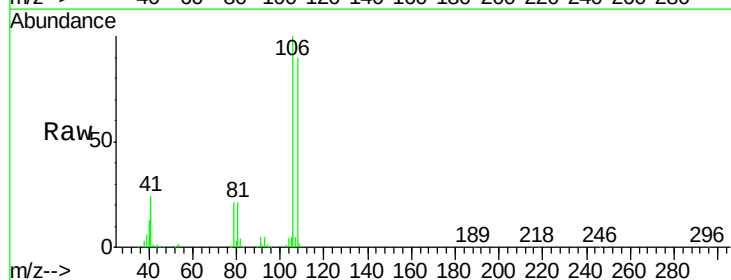
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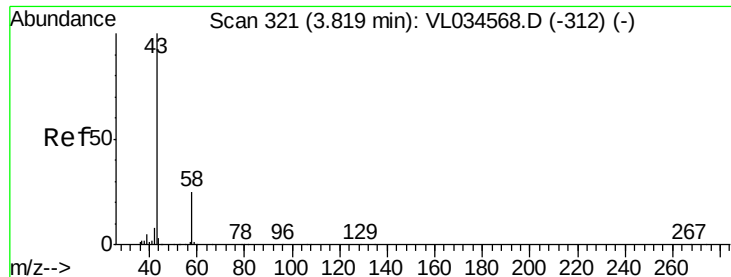
MMDadoda
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#14
Bromoethene
Concen: 9.135 ppbv
RT: 3.71 min Scan# 288
Delta R.T. 0.00 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion	Ratio	Lower	Upper
108	100		
106	109.1	84.6	127.0
79	22.3	18.2	27.2





#15

Acetone

Concen: 8.182 ppbv

RT: 3.83 min Scan# 323

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1435890

Ion Ratio Lower Upper

43 100

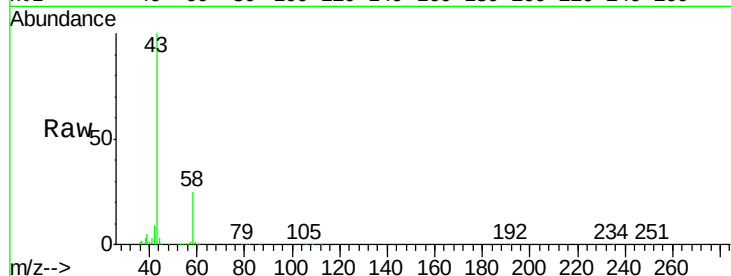
58 25.5

20.3

30.5

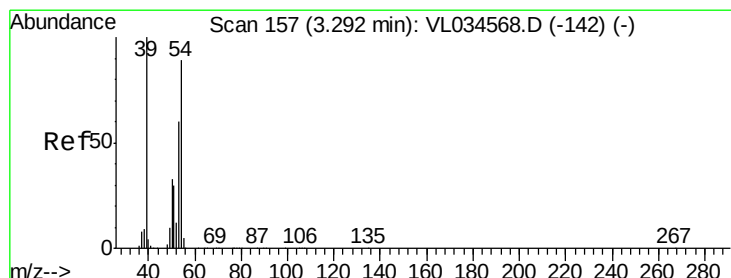
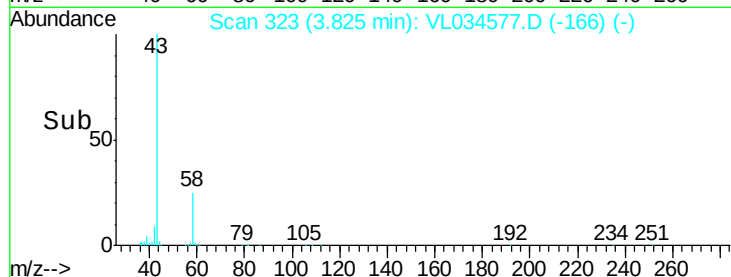
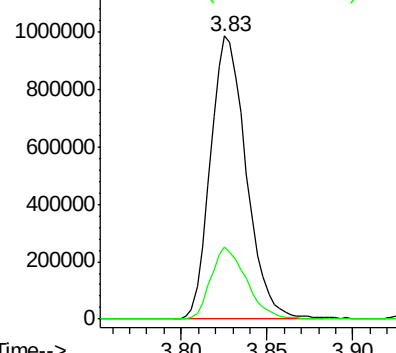
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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 9.401 ppbv

RT: 3.29 min Scan# 158

Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Tgt Ion: 39 Resp: 655095

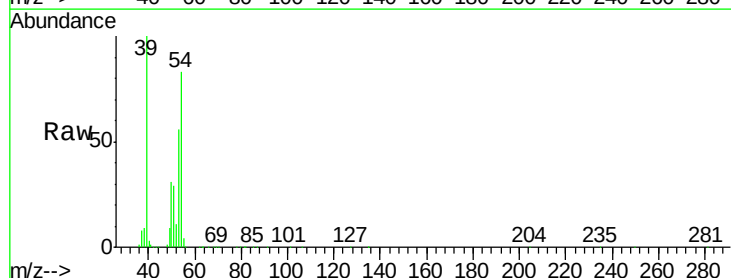
Ion Ratio Lower Upper

39 100

54 83.0

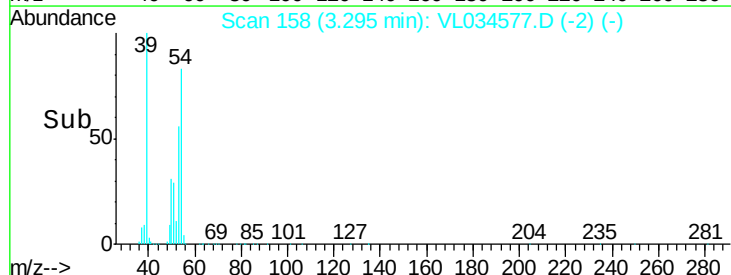
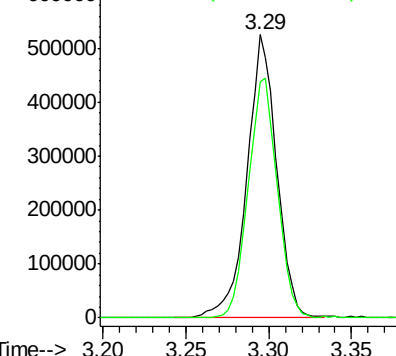
66.7

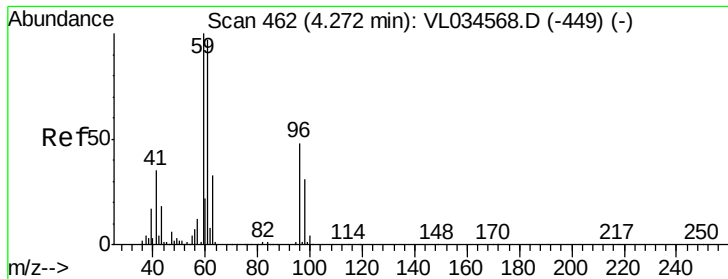
100.1



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0





#17

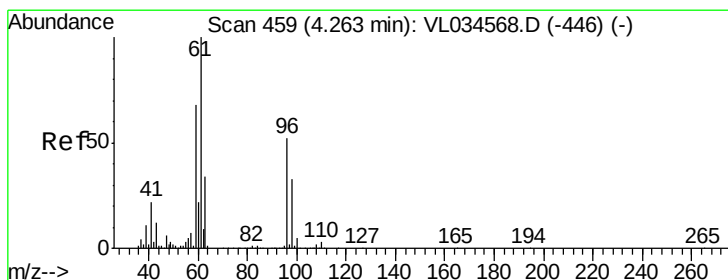
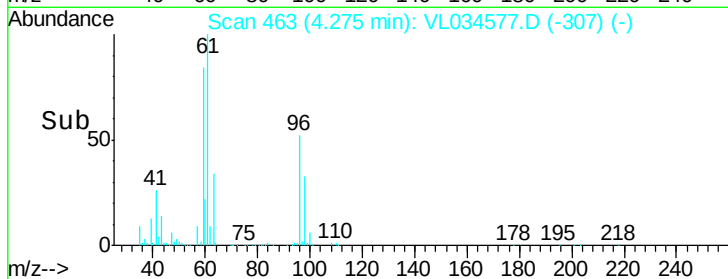
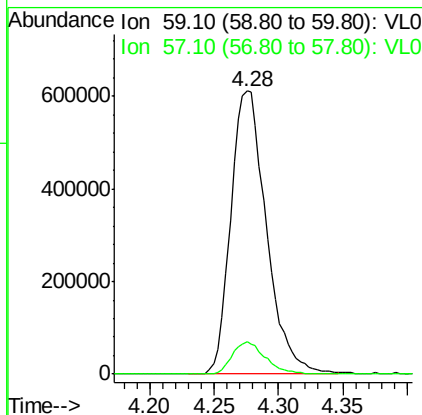
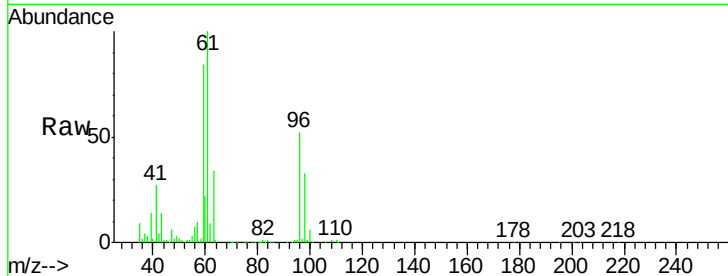
tert-Butyl alcohol
Concen: 9.094 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1173600
Ion Ratio Lower Upper
59 100
57 10.8 8.7 13.1

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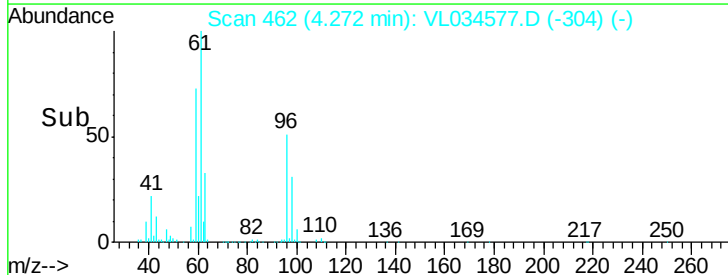
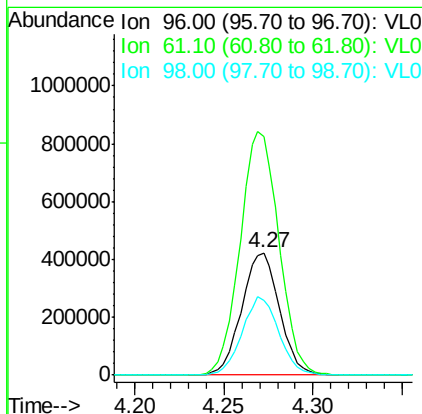
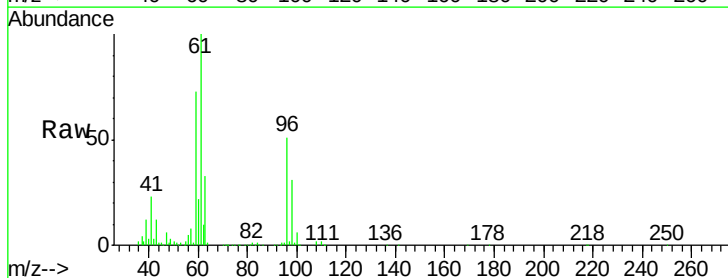
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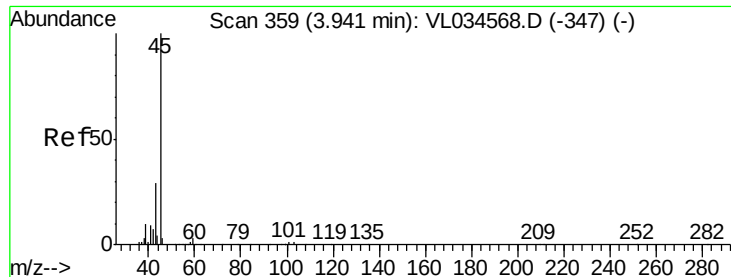


#18

1,1-Dichloroethene
Concen: 9.470 ppbv
RT: 4.27 min Scan# 462
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 96 Resp: 623115
Ion Ratio Lower Upper
96 100
61 195.2 154.5 231.7
98 61.0 50.3 75.5





#19

Isopropyl Alcohol

Concen: 8.560 ppbv

RT: 3.95 min Scan# 361

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 876584

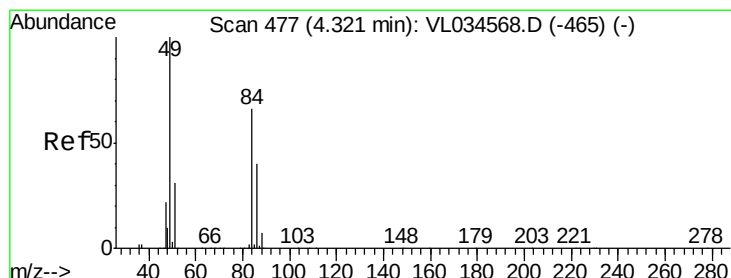
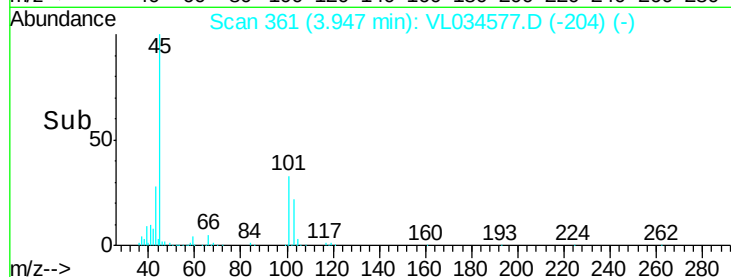
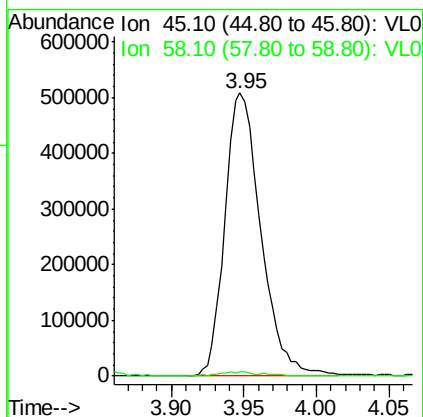
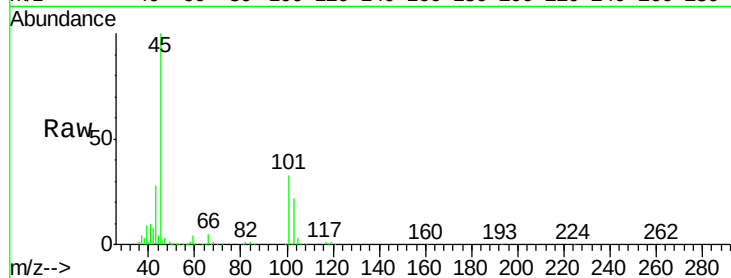
Ion Ratio Lower Upper

45 100

58 1.8 1.7 2.5

Manual Integrations
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#20

Methylene Chloride

Concen: 7.965 ppbv

RT: 4.33 min Scan# 479

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Tgt Ion: 84 Resp: 532250

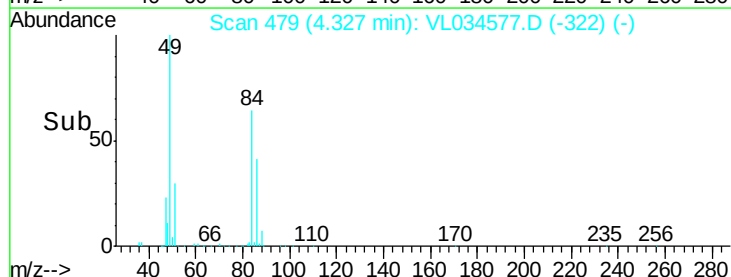
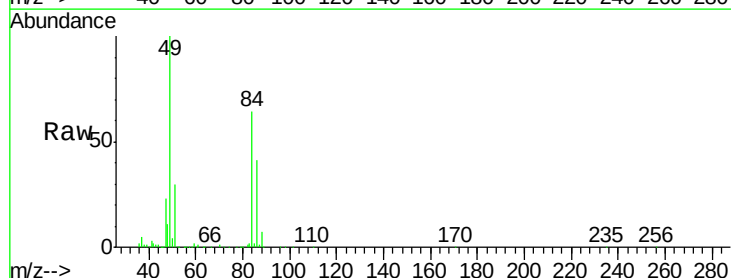
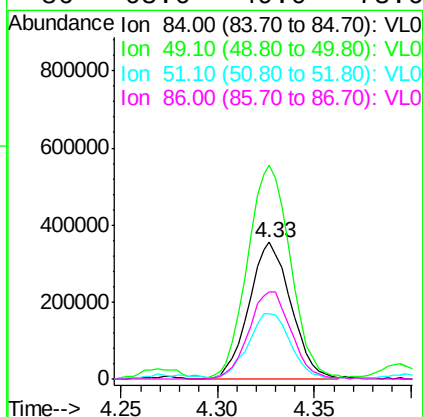
Ion Ratio Lower Upper

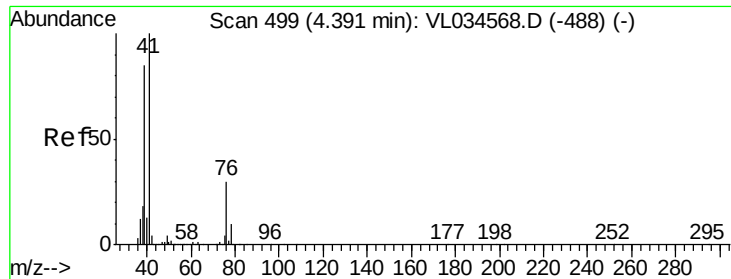
84 100

49 154.4 122.4 183.6

51 46.9 38.6 57.8

86 63.6 49.0 73.6





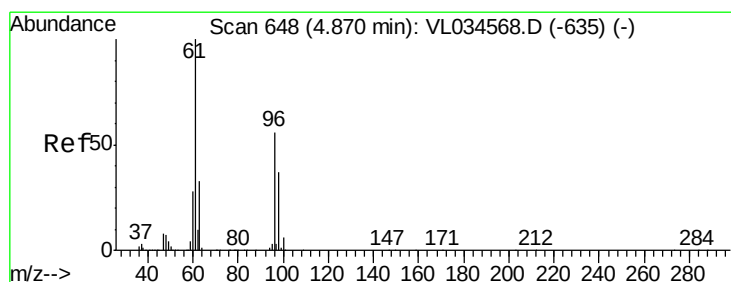
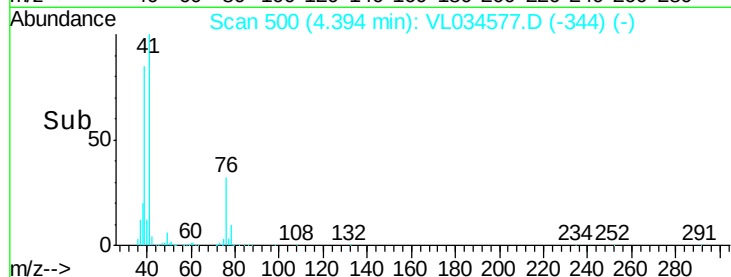
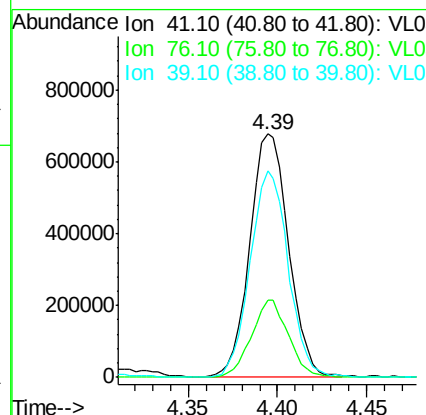
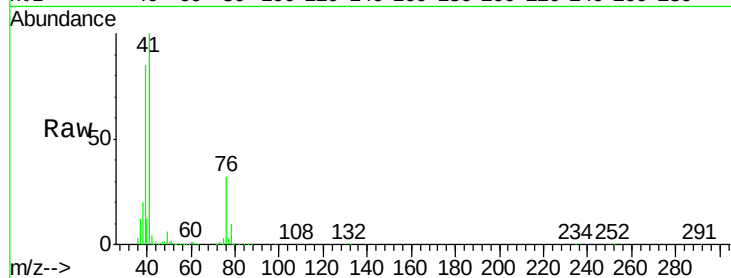
#21
Allvl Chloride
Concen: 9.389 ppbv
RT: 4.39 min Scan# 500
Delta R.T. 0.00 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 41 Resp: 1023323
Ion Ratio Lower Upper
41 100
76 30.5 24.2 36.2
39 84.3 68.3 102.5

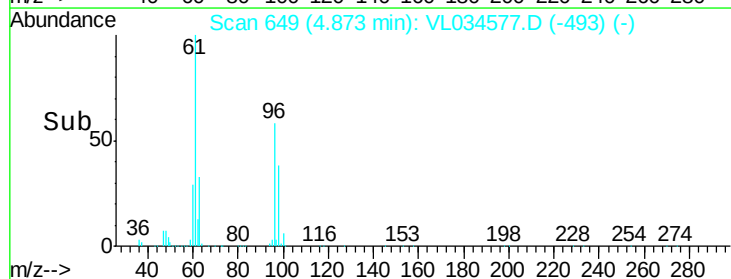
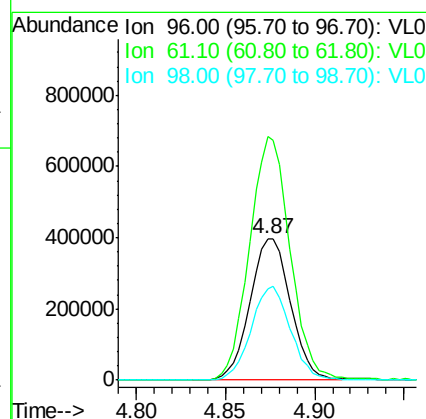
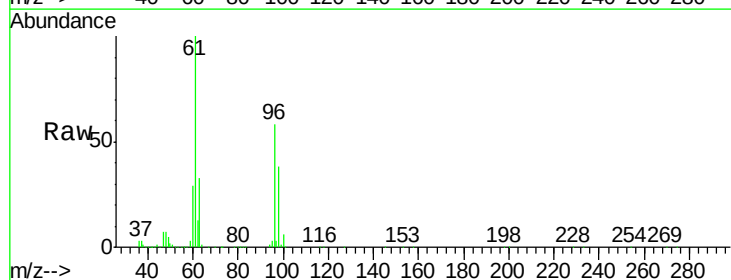
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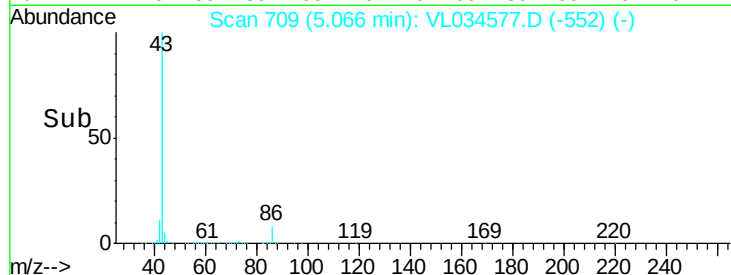
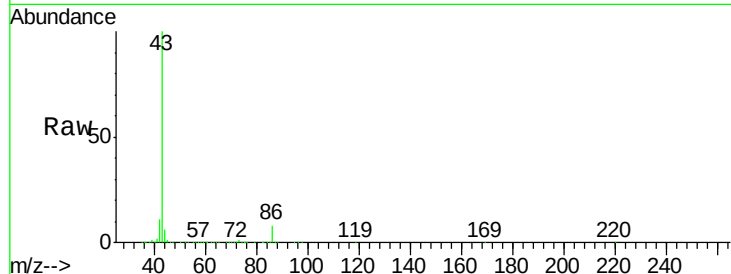
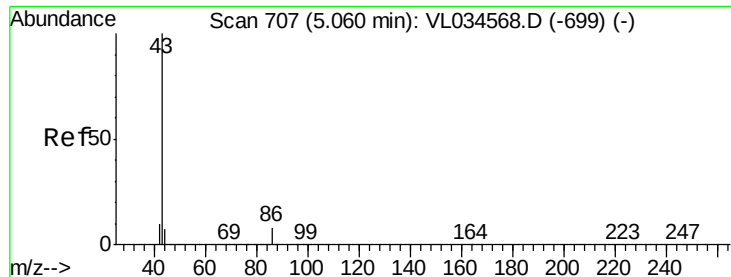
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#22
trans-1,2-Dichloroethene
Concen: 9.161 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.00 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 96 Resp: 631294
Ion Ratio Lower Upper
96 100
61 172.2 141.9 212.9
98 64.8 53.1 79.7





#23

Vinyl Acetate

Concen: 9.299 ppbv

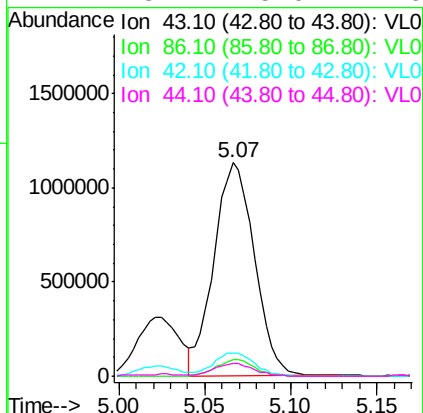
RT: 5.07 min Scan# 709

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Tot Ion:	43	Resp:	1861751
Ion	Ratio	Lower	Upper
43	100		
86	7.9	5.9	8.9
42	10.5	8.8	13.2
44	5.7	5.0	7.6



Instrument :

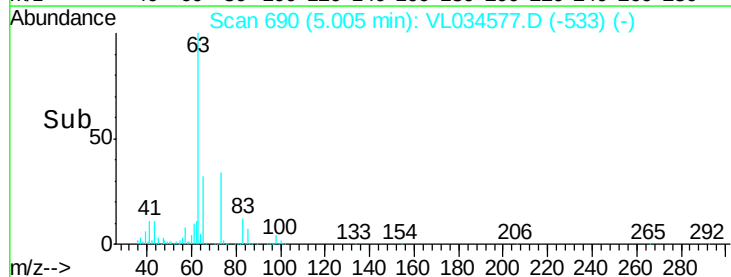
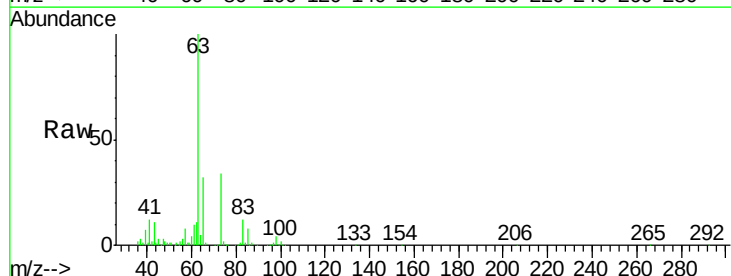
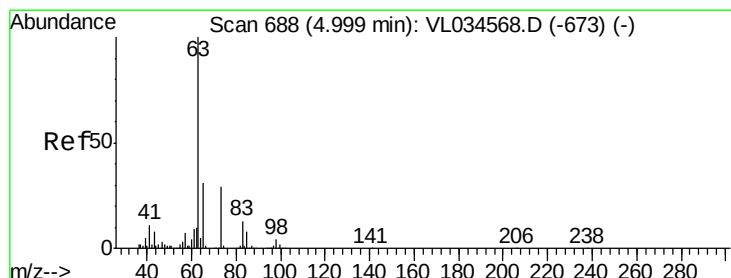
MSVOA_L

ClientSampleId :

VSTDCCC010

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#24

1,1-Dichloroethane

Concen: 8.899 ppbv

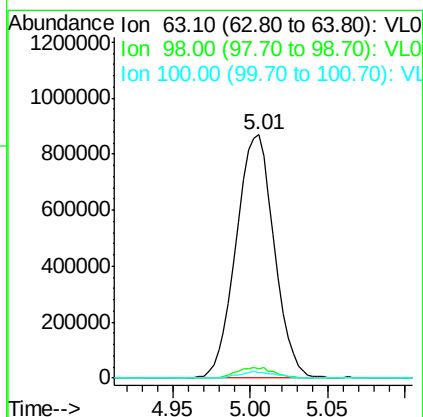
RT: 5.01 min Scan# 690

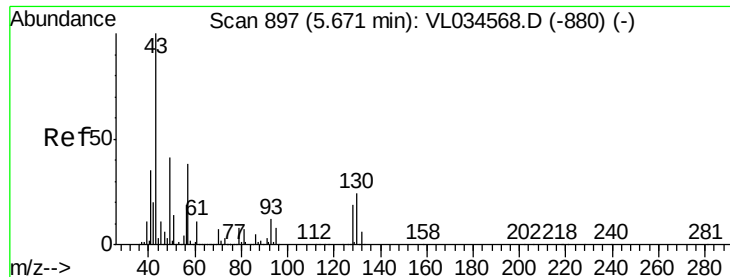
Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Tgt Ion:	63	Resp:	1487639
Ion	Ratio	Lower	Upper
63	100		
98	3.7	2.1	6.2
100	2.5	1.1	3.5





#25

Ethyl Acetate

Concen: 8.803 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2500820

Ion Ratio Lower Upper

43 100

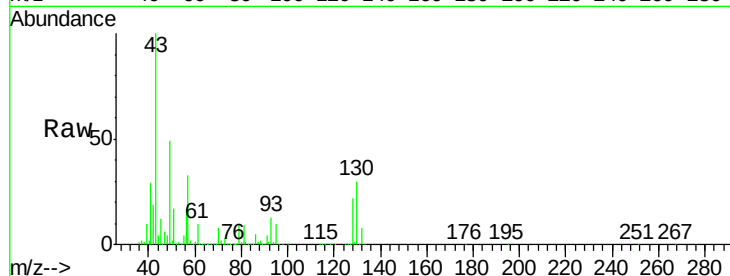
45 10.4 8.5 12.7

61 9.6 7.8 11.6

70 7.2 5.8 8.8

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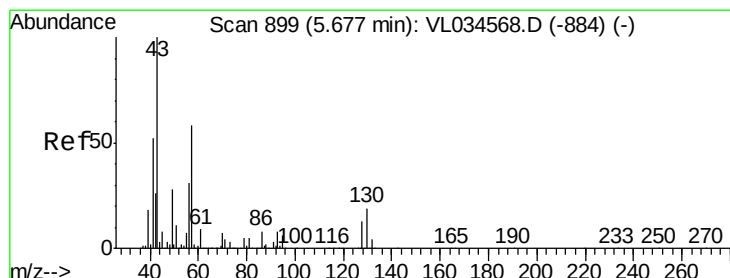
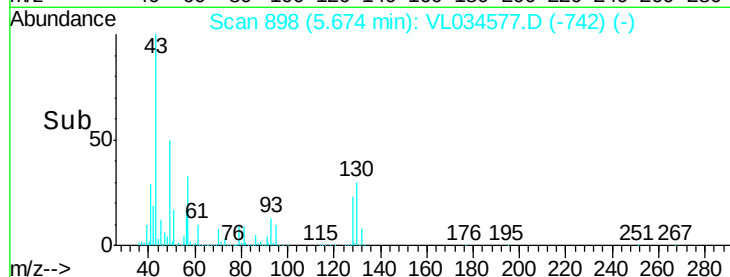
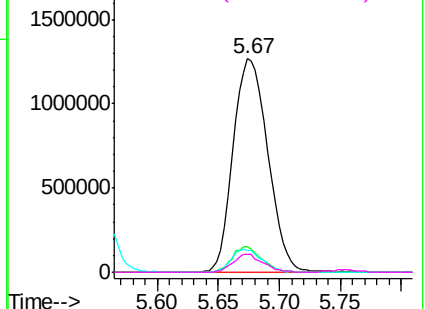
Abundance

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: 9.073 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Tgt Ion: 57 Resp: 1079621

Ion Ratio Lower Upper

57 100

41 94.1 76.2 114.2

43 232.7 189.9 284.9

56 53.2 43.6 65.4

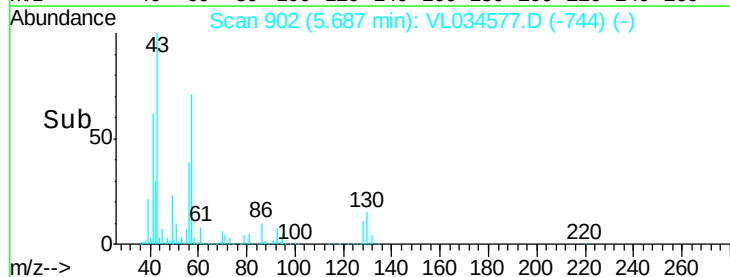
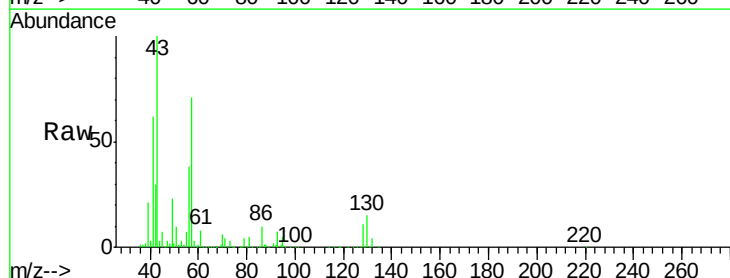
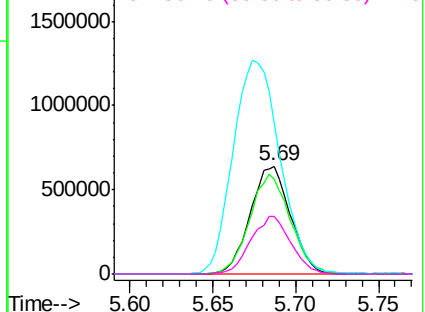
Abundance

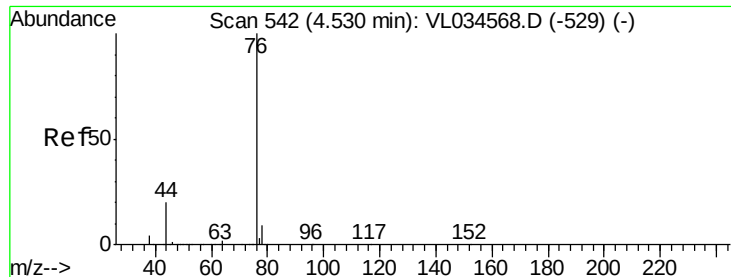
Ion 57.10 (56.80 to 57.80): VL0

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: 10.085 ppbv

RT: 4.53 min Scan# 543

Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 1619268

Ion Ratio Lower Upper

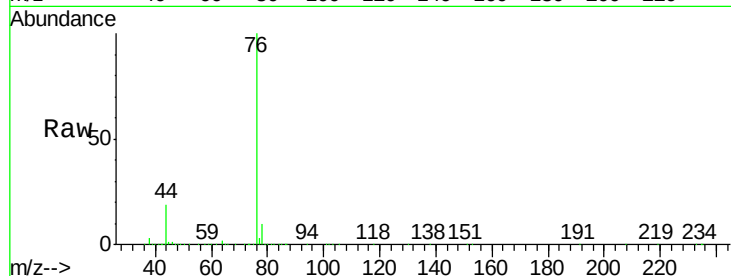
76 100

44 20.0 16.3 24.5

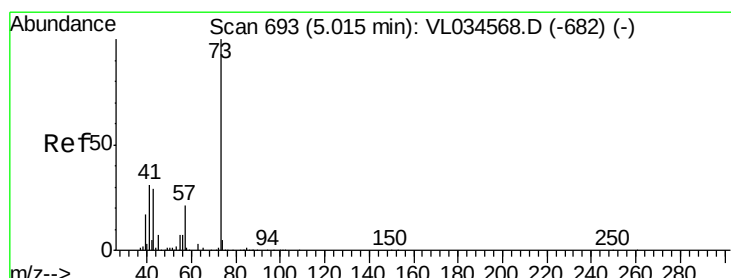
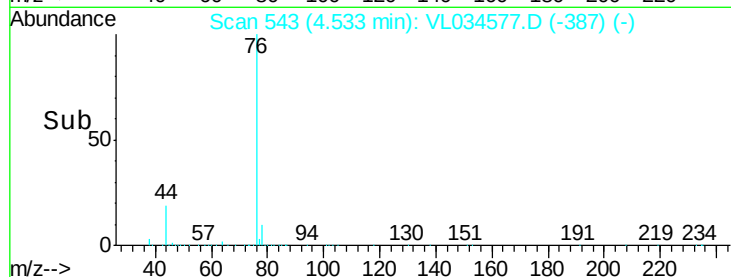
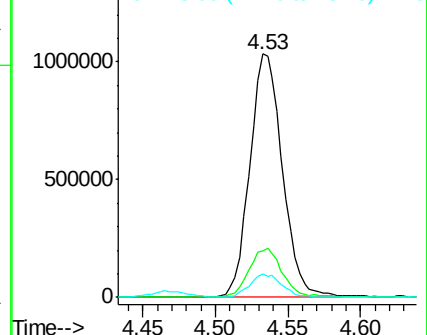
78 9.7 7.4 11.2

Manual Integrations
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MMDadoda
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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: 9.493 ppbv

RT: 5.02 min Scan# 696

Delta R.T. 0.01 min

Lab File: VL034577.D

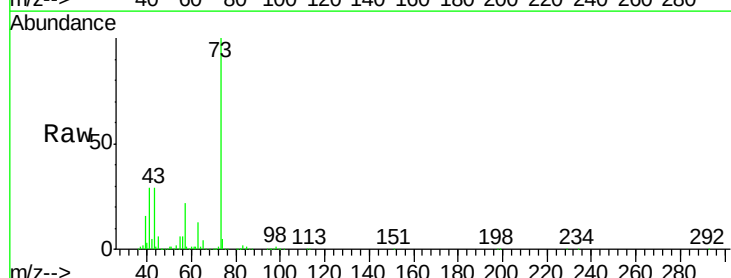
Acq: 4 Feb 2020 11:42

Tgt Ion: 73 Resp: 1926561

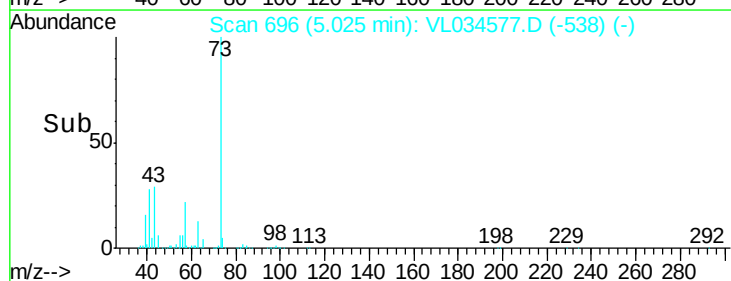
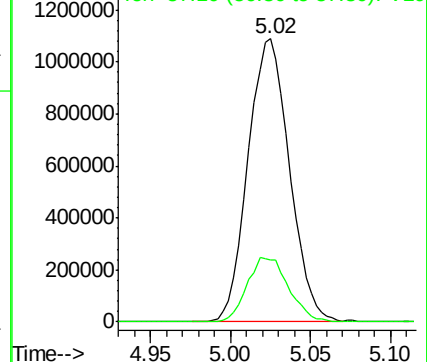
Ion Ratio Lower Upper

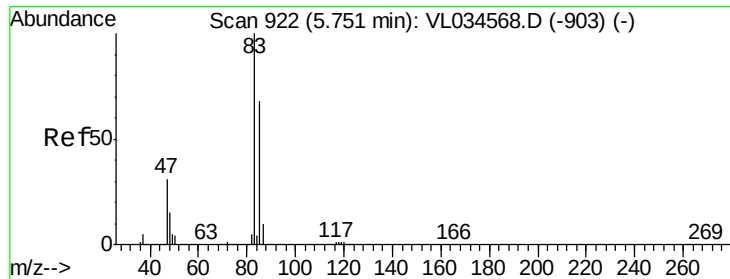
73 100

57 23.1 17.9 26.9



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





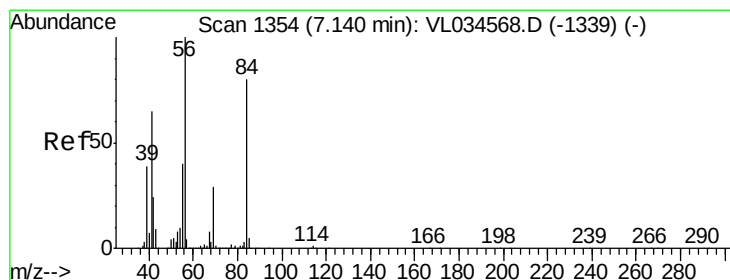
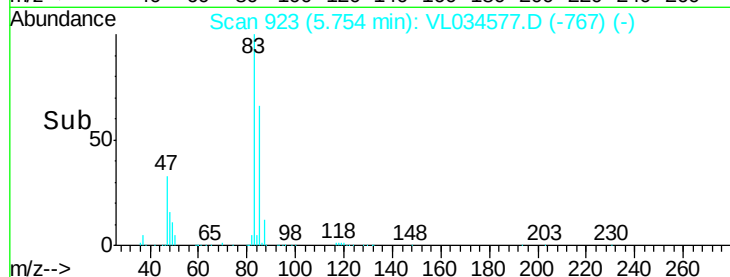
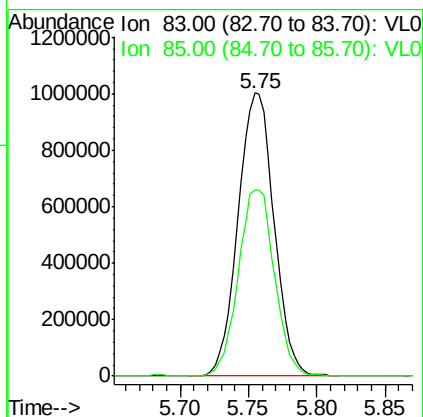
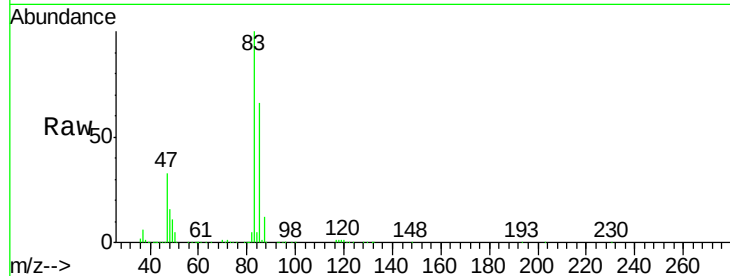
#29
Chloroform
Concen: 8.739 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.00 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 1838927
Ion Ratio Lower Upper
83 100
85 65.8 54.0 81.0

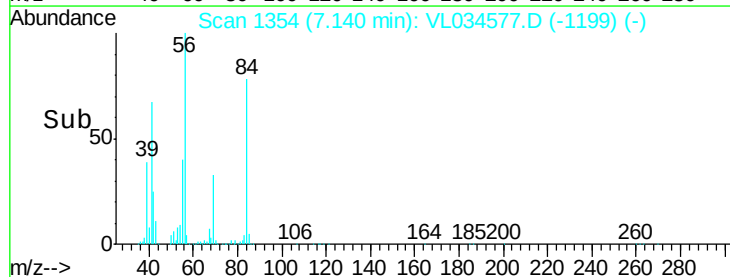
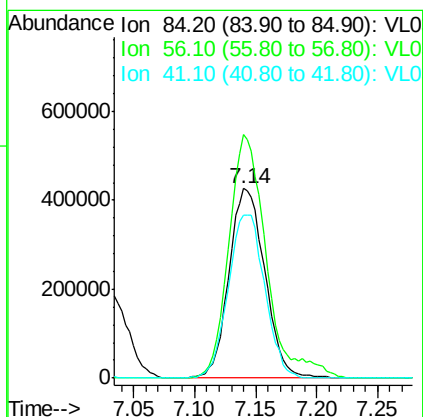
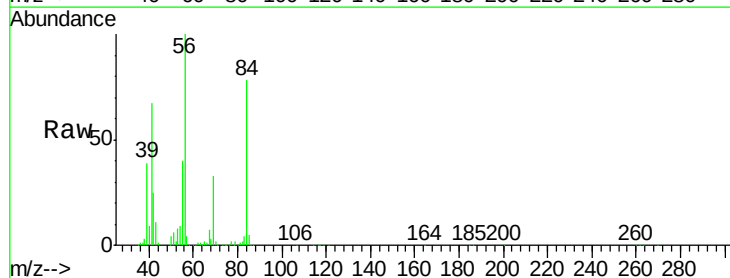
Manual Integrations
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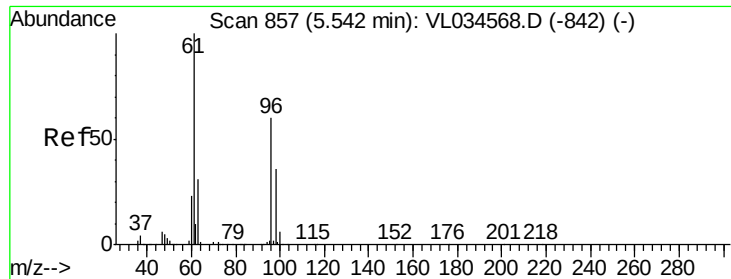
MMDadoda
2/5/2020 2:50:05 PM



#30
Cyclohexane
Concen: 9.877 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.00 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 84 Resp: 870925
Ion Ratio Lower Upper
84 100
56 134.5 110.5 165.7
41 88.2 71.9 107.9





#31

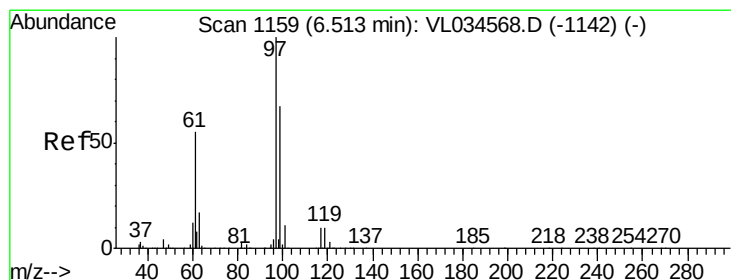
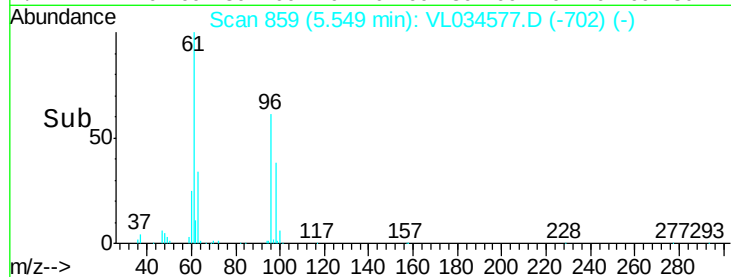
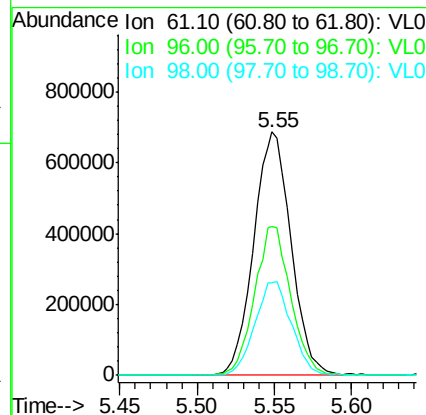
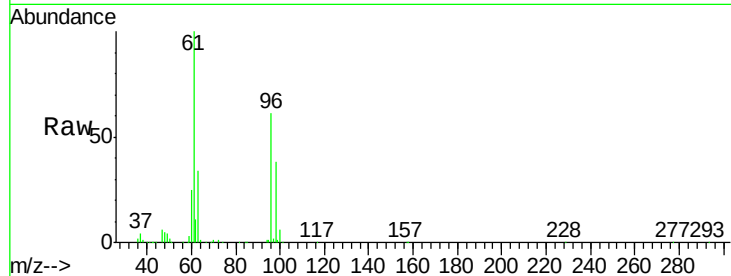
cis-1,2-Dichloroethene
Concen: 9.341 ppbv
RT: 5.55 min Scan# 859
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.1	48.0	72.0
98	38.3	28.6	43.0

Manual Integrations
APPROVED

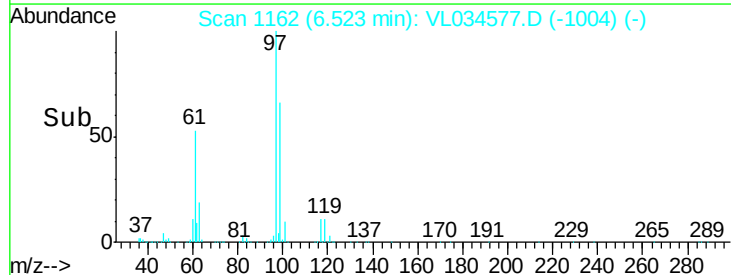
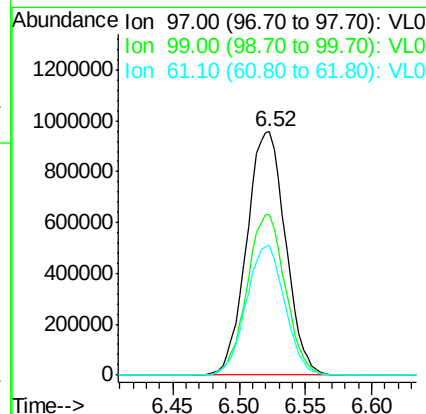
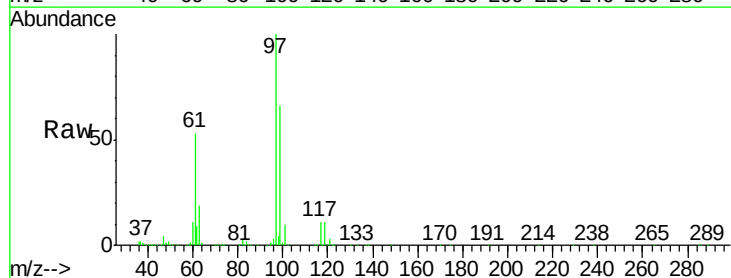
MMDadoda
2/5/2020 2:50:05 PM

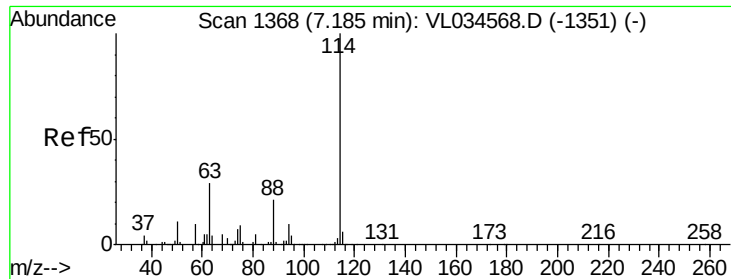


#32

1,1,1-Trichloroethane
Concen: 8.634 ppbv
RT: 6.52 min Scan# 1162
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.2	78.2
61	52.9	43.0	64.4





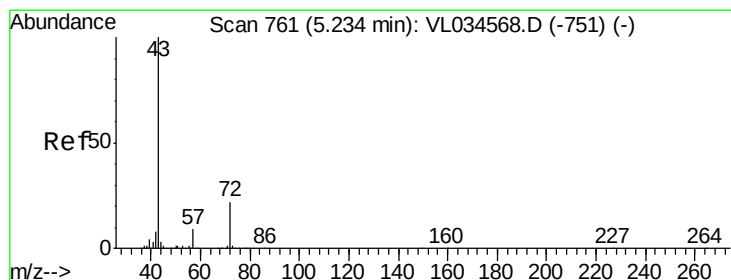
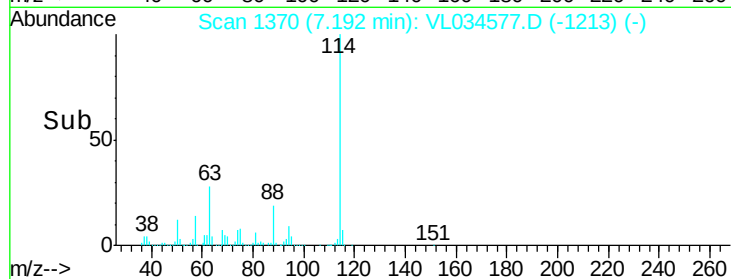
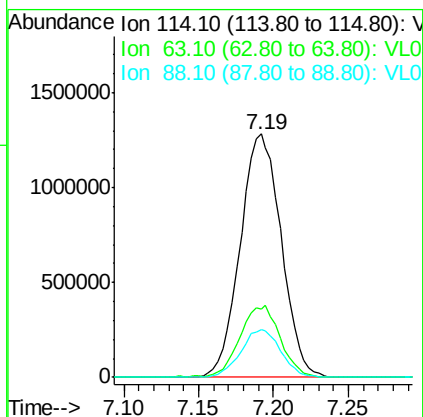
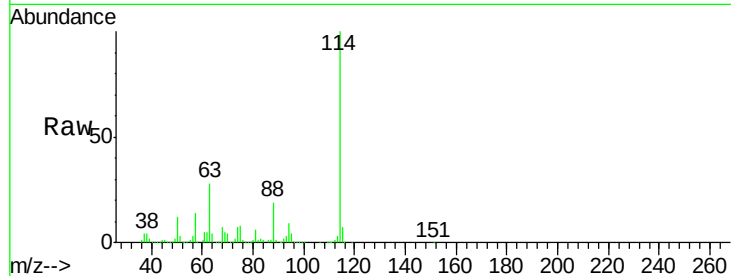
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 2440872
 Ion Ratio Lower Upper
 114 100
 63 29.5 24.1 36.1
 88 19.1 15.9 23.9

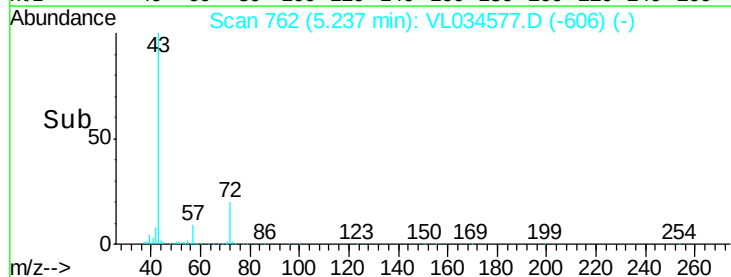
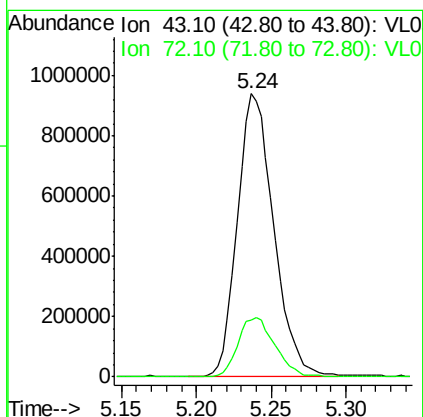
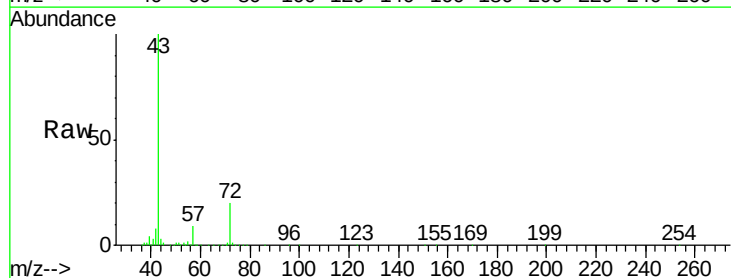
Manual Integrations
 APPROVED

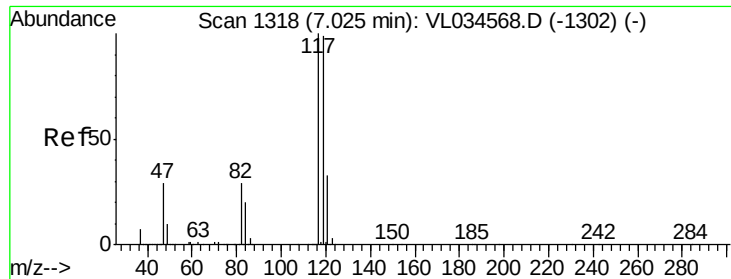
MMDadoda
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#34
 2-Butanone
 Concen: 8.912 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion: 43 Resp: 1579449
 Ion Ratio Lower Upper
 43 100
 72 21.6 17.2 25.8





#35

Carbon Tetrachloride

Concen: 9.058 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2113666

Ion Ratio Lower Upper

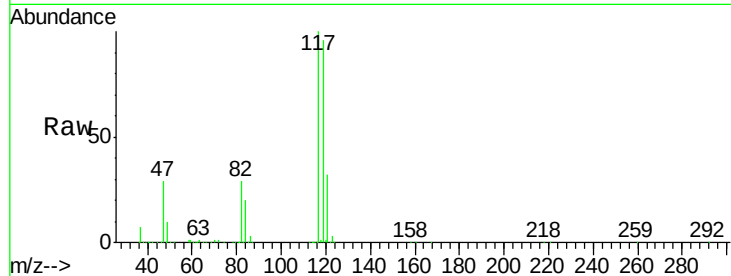
117 100

119 96.1 79.5 119.3

121 32.4 26.2 39.2

Manual Integrations
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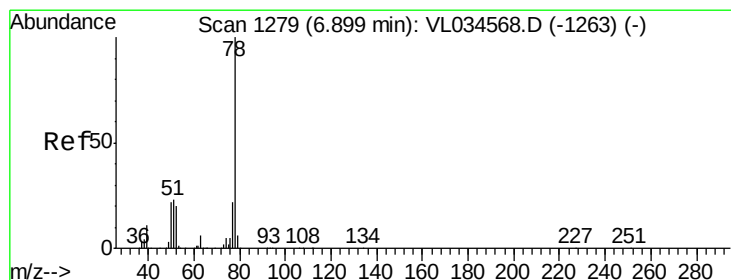
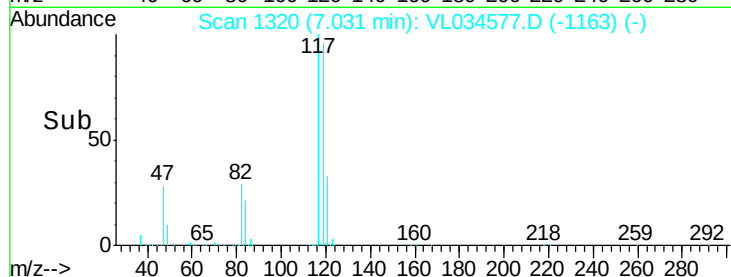
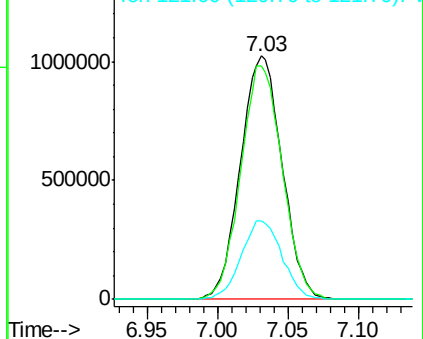
MMDadoda
2/5/2020 2:50:05 PM



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: 9.451 ppbv

RT: 6.90 min Scan# 1280

Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

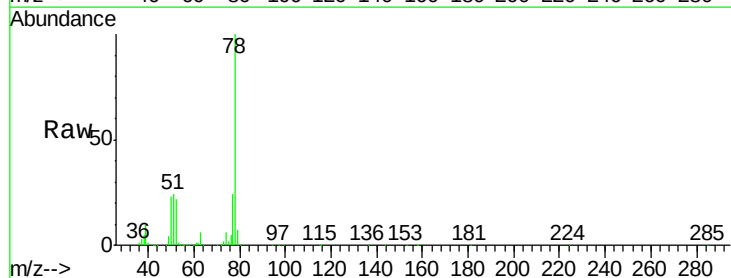
Tgt Ion: 78 Resp: 2051571

Ion Ratio Lower Upper

78 100

77 23.8 17.3 25.9

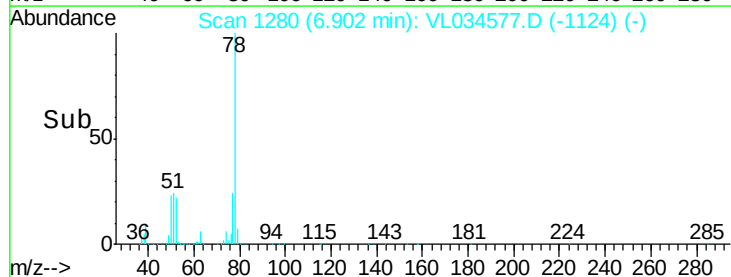
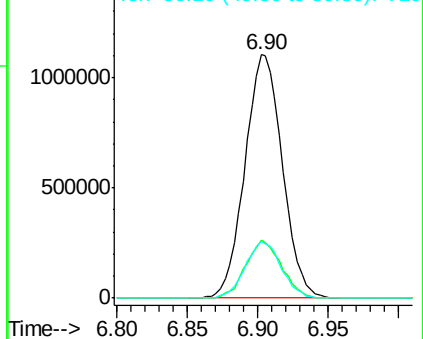
50 23.2 17.4 26.2

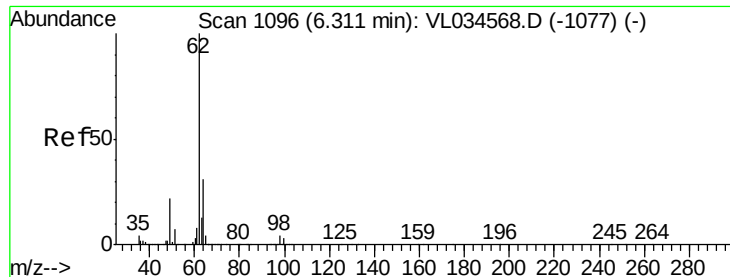


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





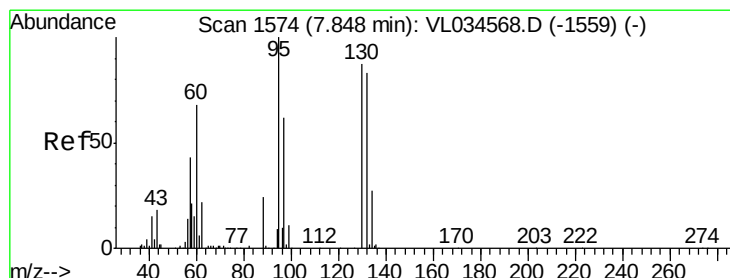
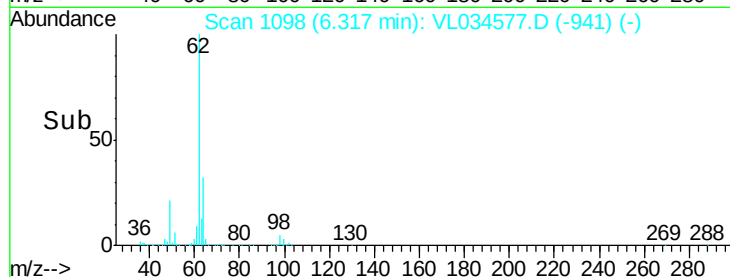
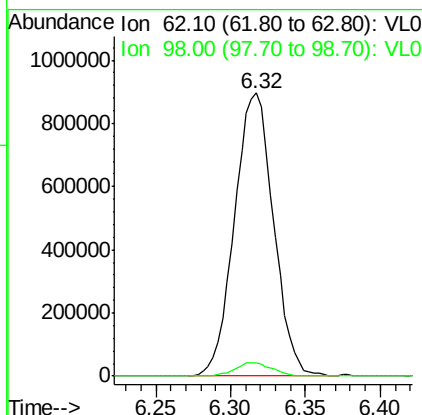
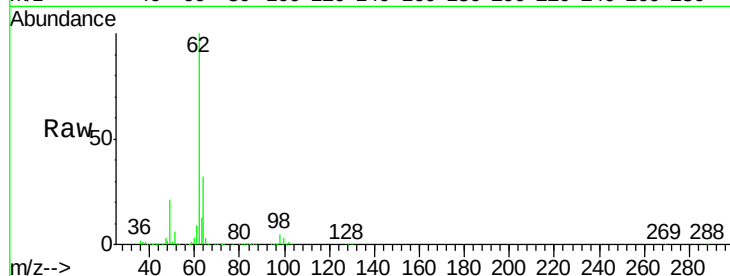
#37
 1,2-Dichloroethane
 Concen: 8.993 ppbv
 RT: 6.32 min Scan# 1098
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
62	100		
98	4.6	3.7	5.5

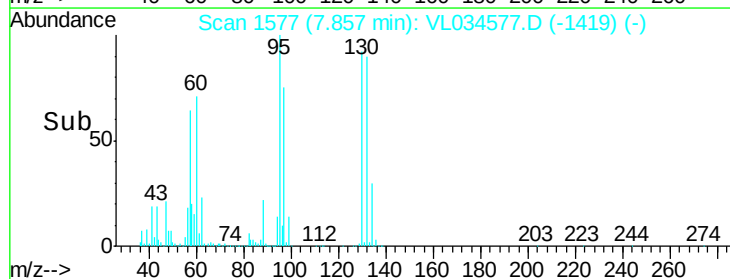
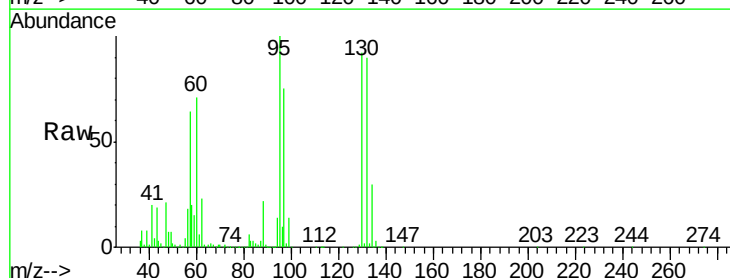
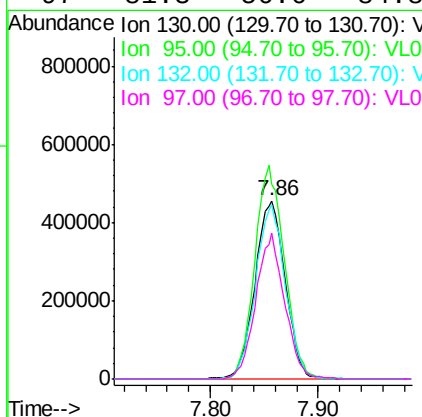
Manual Integrations
 APPROVED

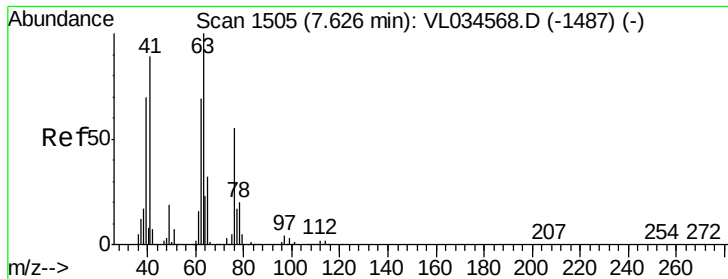
MMDadoda
 2/5/2020 2:50:05 PM



#38
 Trichloroethene
 Concen: 9.708 ppbv
 RT: 7.86 min Scan# 1577
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion	Ratio	Lower	Upper
130	100		
95	109.0	91.6	137.4
132	97.8	76.1	114.1
97	81.3	56.6	84.8





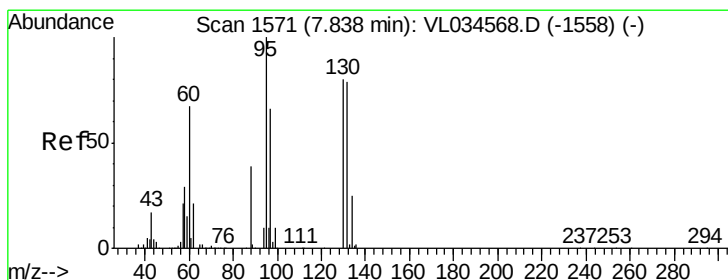
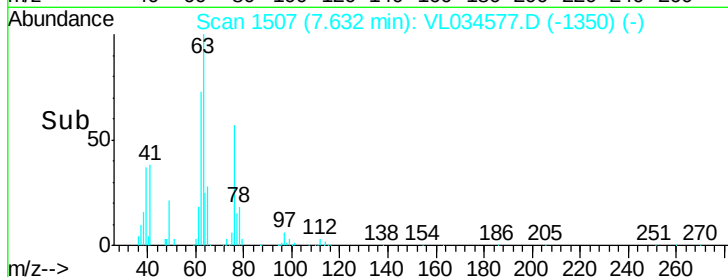
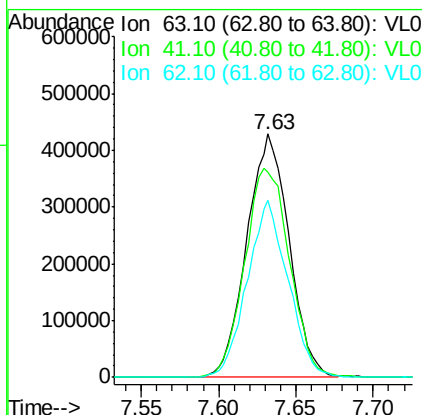
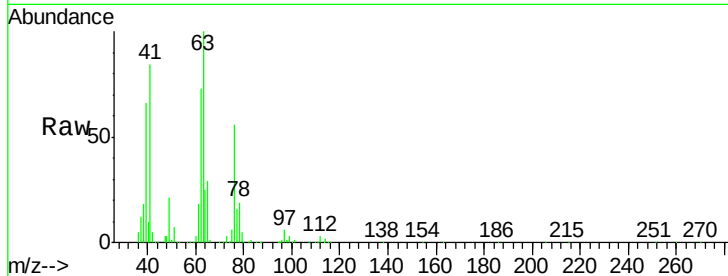
#39
 1,2-Dichloropropane
 Concen: 9.051 ppbv
 RT: 7.63 min Scan# 1507
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	84.1	71.0	106.4
62	73.0	55.4	83.0

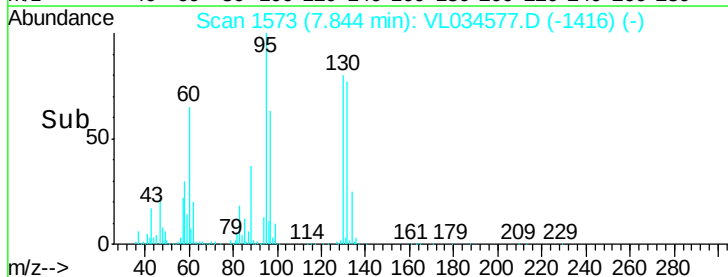
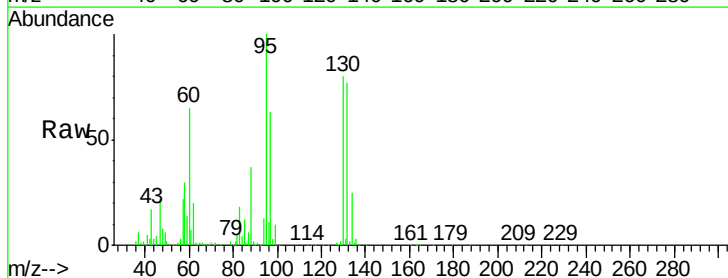
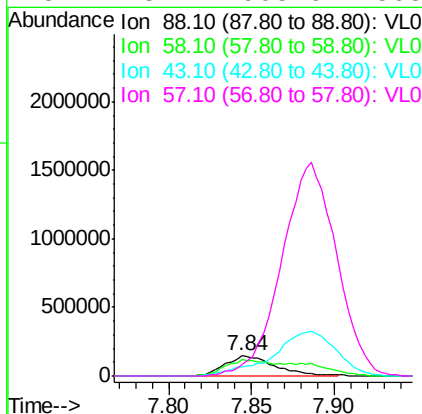
Manual Integrations
 APPROVED

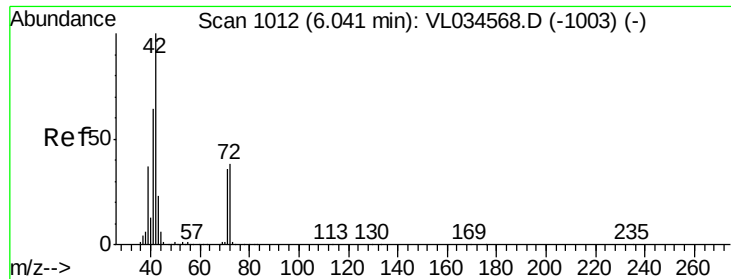
MMDadoda
 2/5/2020 2:50:05 PM



#40
 1,4-Dioxane
 Concen: 8.769 ppbv
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion	Ratio	Lower	Upper
88	100		
58	135.0	107.8	161.8
43	285.8	220.9	331.3
57	1187.2	908.6	1363.0





#41

Tetrahydrofuran

Concen: 9.357 ppbv

RT: 6.05 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

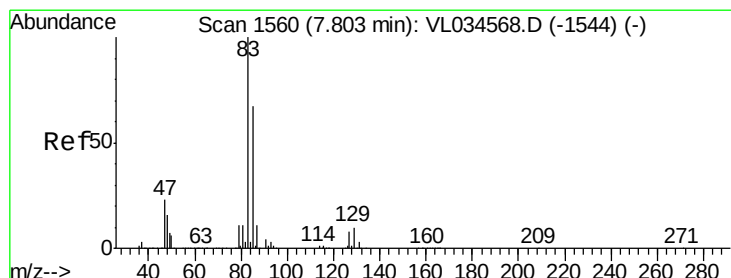
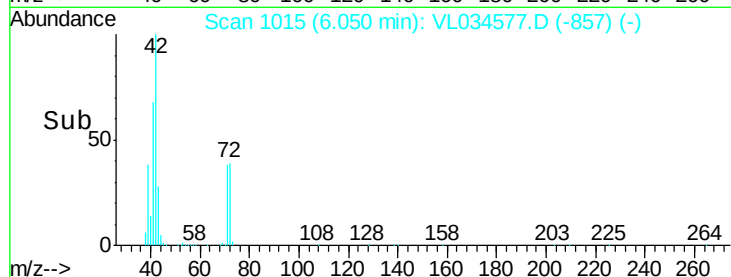
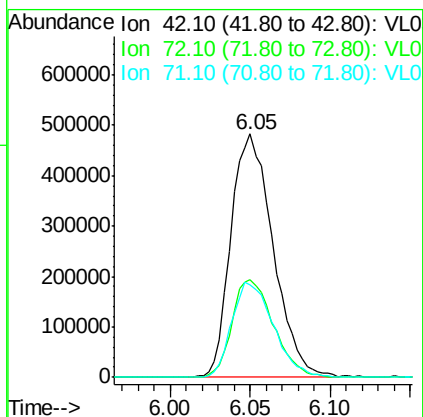
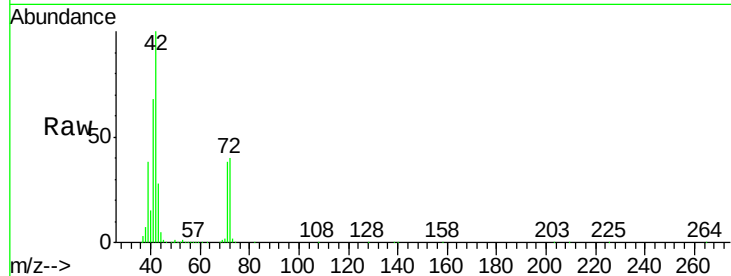
ClientSampleId :

VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
42	100			
72	39.8	31.8	47.8	
71	38.8	30.2	45.4	

Manual Integrations
APPROVED

MMDadoda
2/5/2020 2:50:05 PM



#42

Bromodichloromethane

Concen: 9.321 ppbv

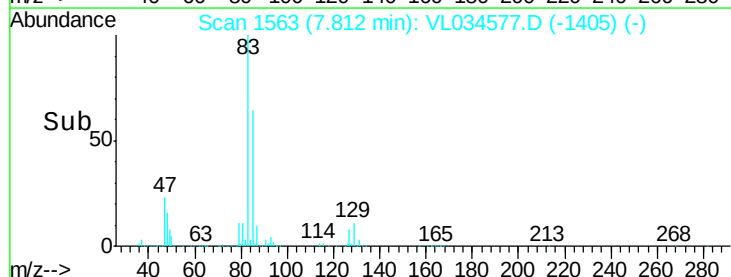
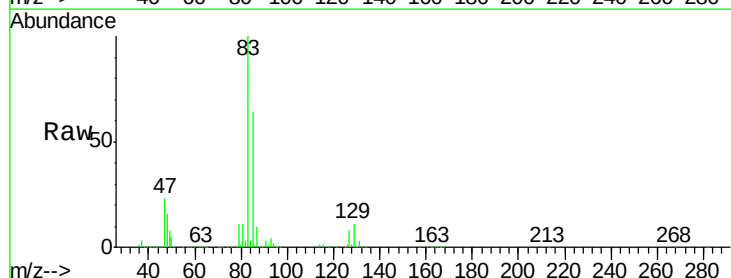
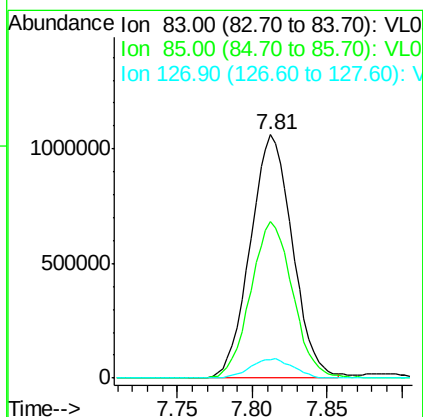
RT: 7.81 min Scan# 1563

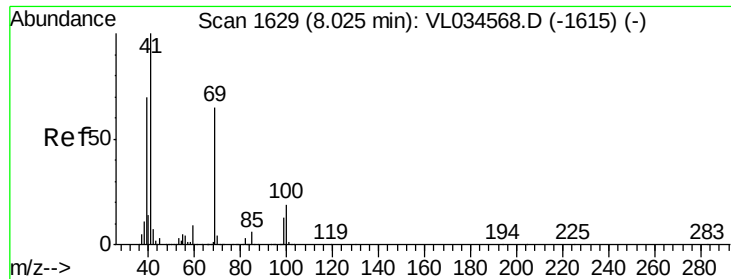
Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Tgt Ion	Ion	Ratio	Lower	Upper
83	100			
85	64.3	53.2	79.8	
127	7.6	6.5	9.7	





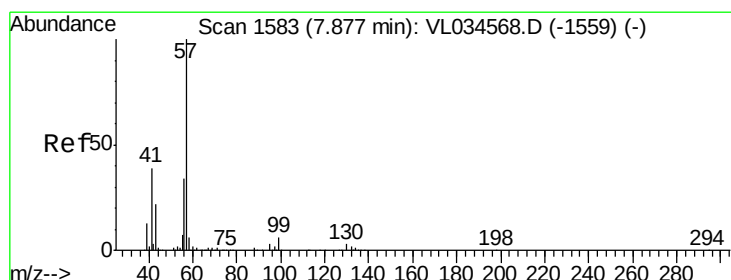
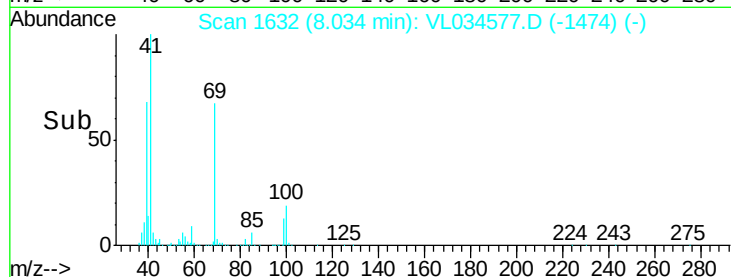
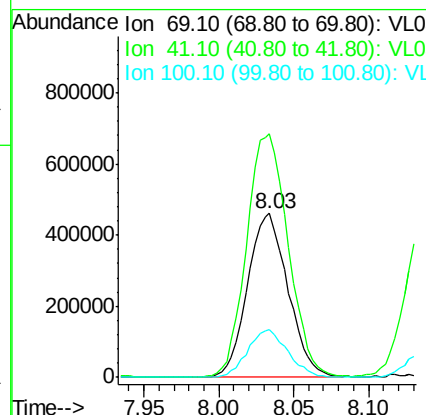
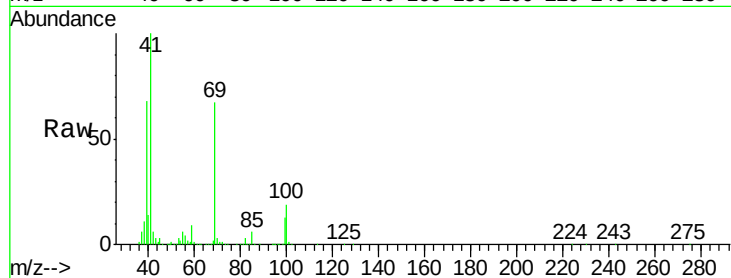
#43
Methyl Methacrylate
Concen: 9.899 ppbv
RT: 8.03 min Scan# 1632
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ion	Ratio	Lower	Upper
69	100			
41	153.1	123.9	185.9	
100	28.9	24.1	36.1	

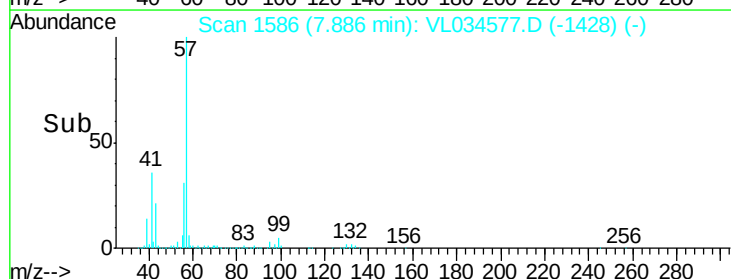
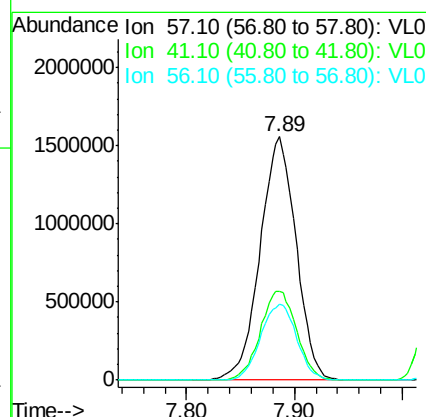
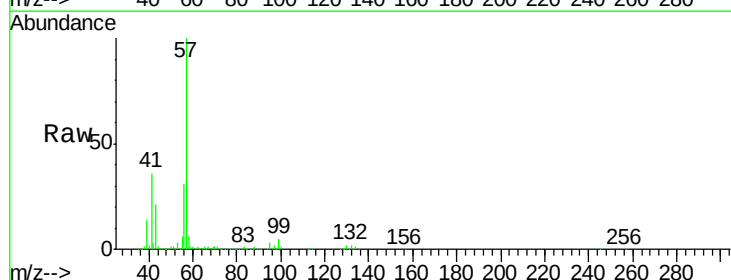
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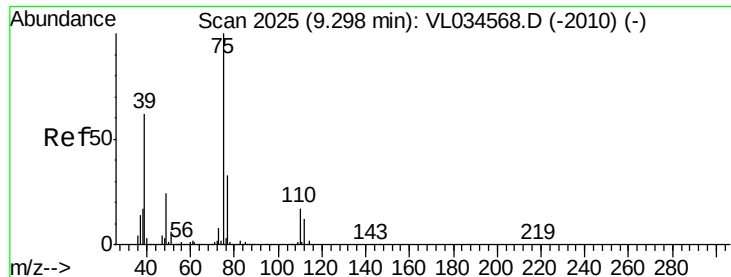
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#44
2,2,4-Trimethylpentane
Concen: 9.133 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	37.0	28.9	43.3	
56	31.4	25.5	38.3	





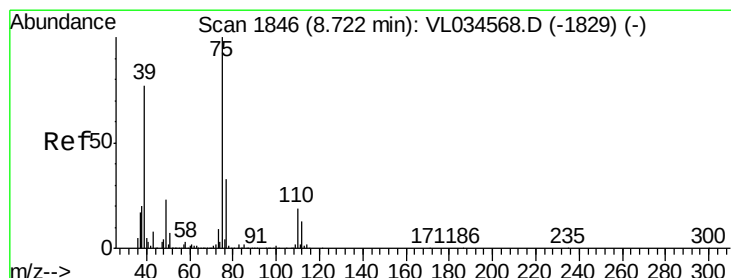
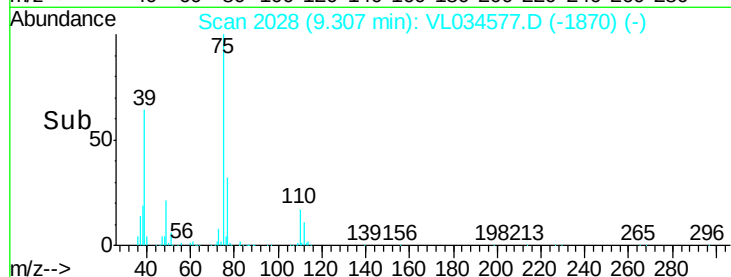
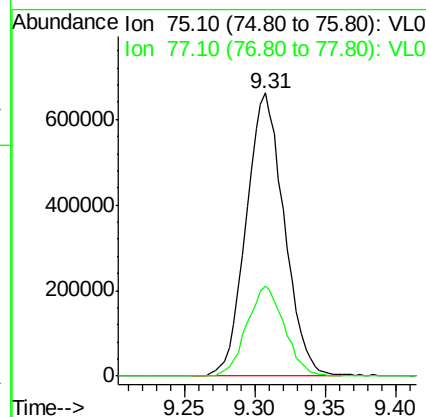
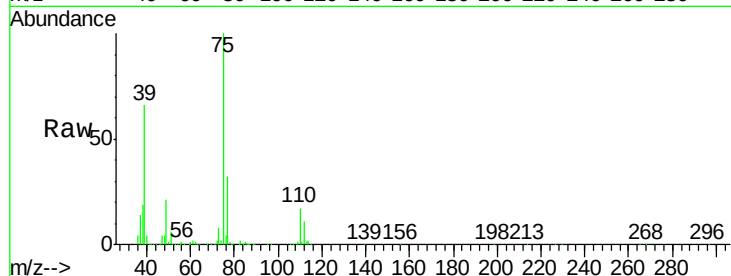
#45
t-1,3-Dichloropropene
Concen: 10.939 ppbv
RT: 9.31 min Scan# 2028
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 75 Resp: 1250500
Ion Ratio Lower Upper
75 100
77 32.0 26.7 40.1

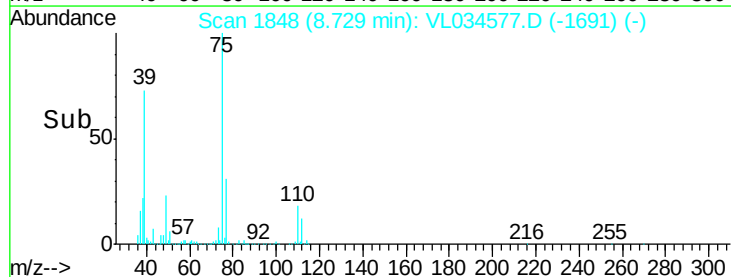
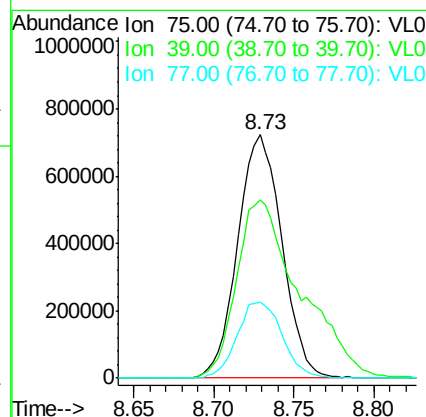
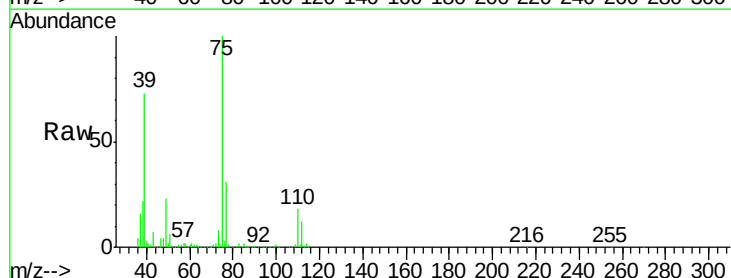
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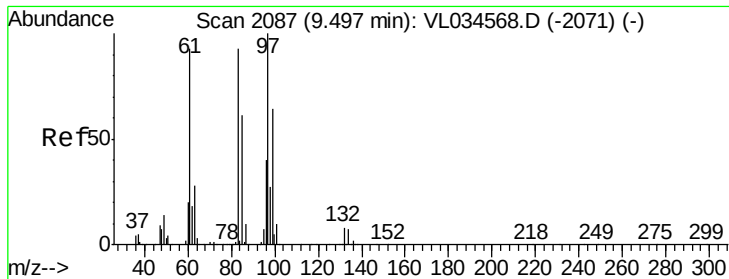
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#46
cis-1,3-Dichloropropene
Concen: 10.441 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 75 Resp: 1356656
Ion Ratio Lower Upper
75 100
39 72.9 61.9 92.9
77 31.4 26.1 39.1





#47

1,1,2-Trichloroethane

Concen: 9.130 ppbv

RT: 9.50 min Scan# 2089

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

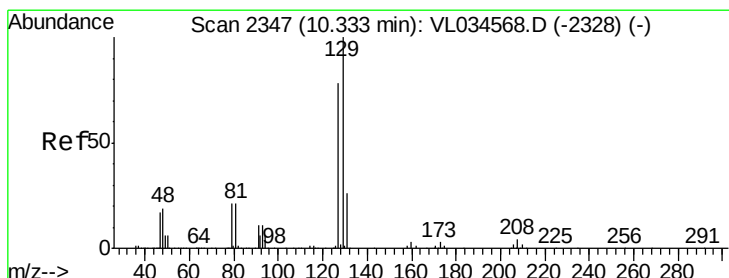
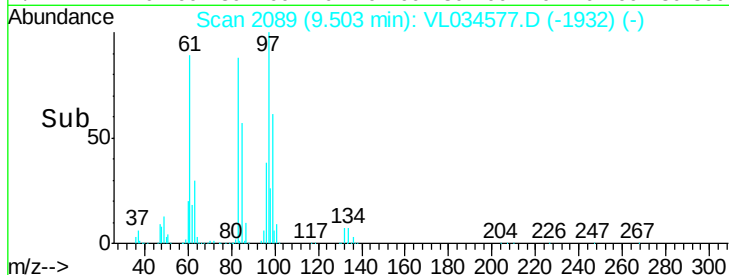
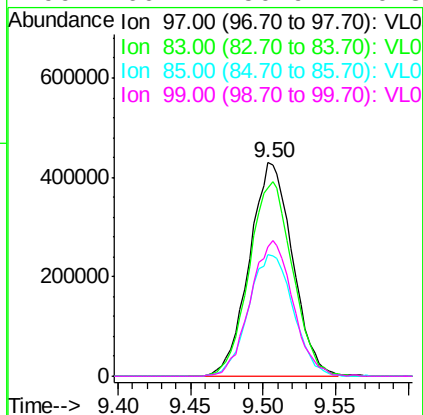
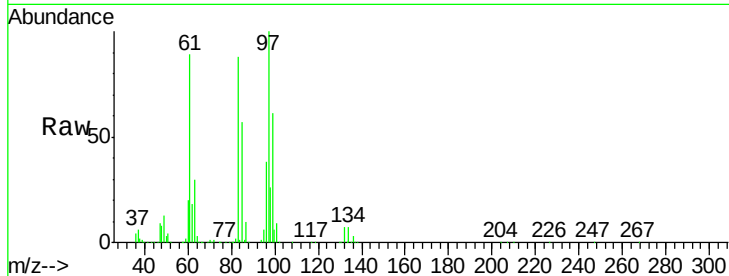
ClientSampleId :

VSTDCCC010

Tot Ion:	97	Resp:	889790
Ion	Ratio	Lower	Upper
97	100		
83	87.8	74.4	111.6
85	56.8	49.2	73.8
99	60.7	50.9	76.3

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#48

Dibromochloromethane

Concen: 9.746 ppbv

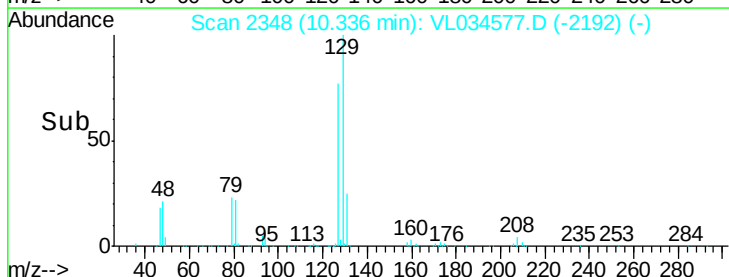
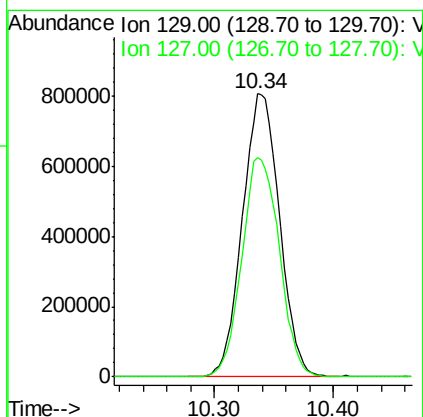
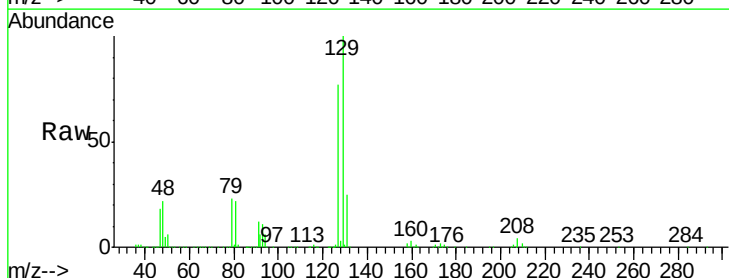
RT: 10.34 min Scan# 2348

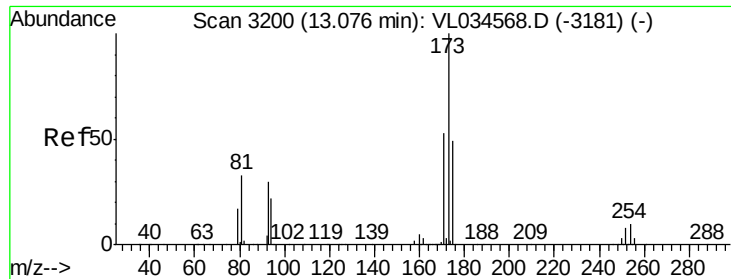
Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Tgt Ion:	129	Resp:	1740558
Ion	Ratio	Lower	Upper
129	100		
127	78.3	39.1	117.2





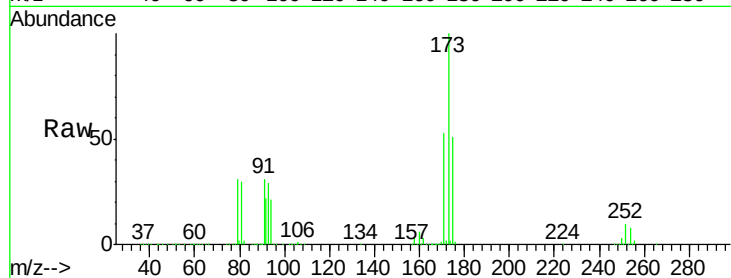
#49
Bromoform
Concen: 10.045 ppbv
RT: 13.09 min Scan# 3203
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

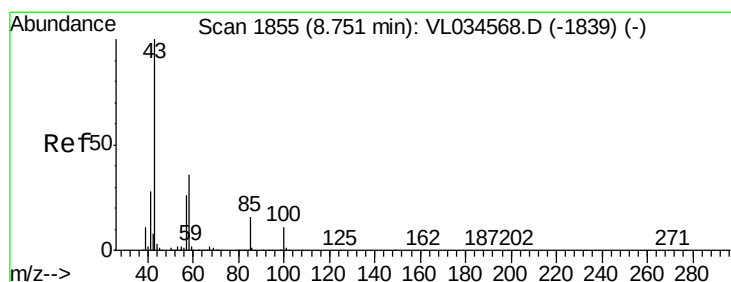
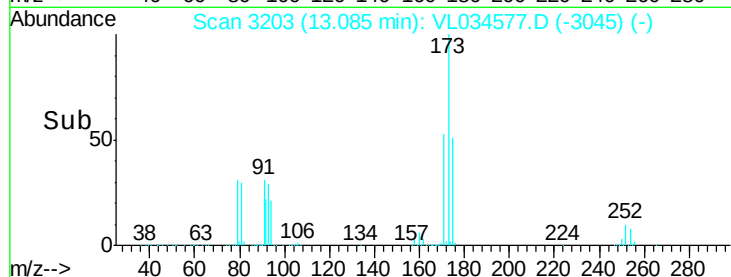
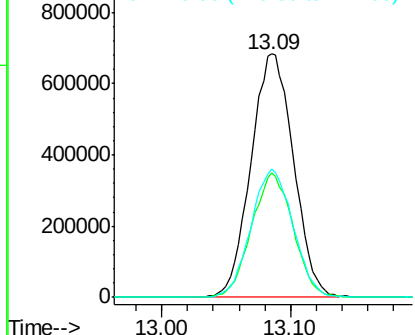
Tot Ion:173 Resp: 1575119
Ion Ratio Lower Upper
173 100
175 49.8 39.7 59.5
171 52.2 41.6 62.4

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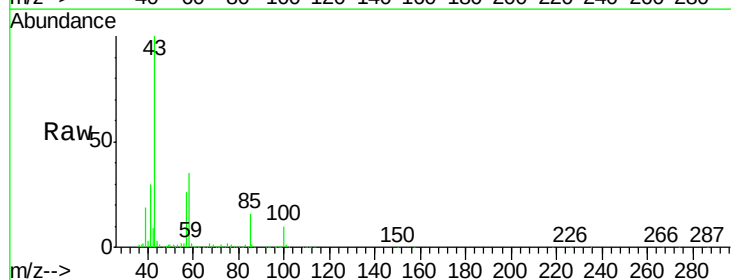


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

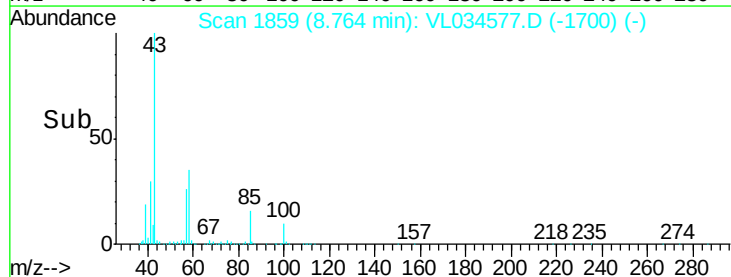
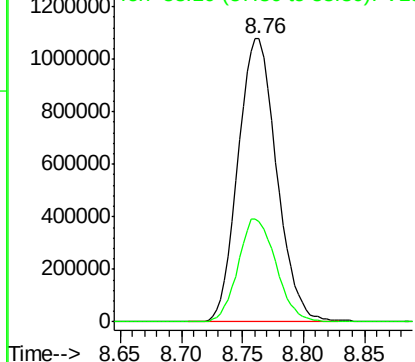


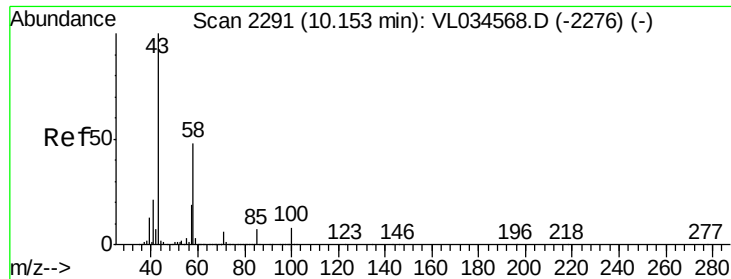
#50
4-Methyl-2-Pentanone
Concen: 9.352 ppbv
RT: 8.76 min Scan# 1859
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 43 Resp: 2363558
Ion Ratio Lower Upper
43 100
58 35.7 28.6 43.0



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0





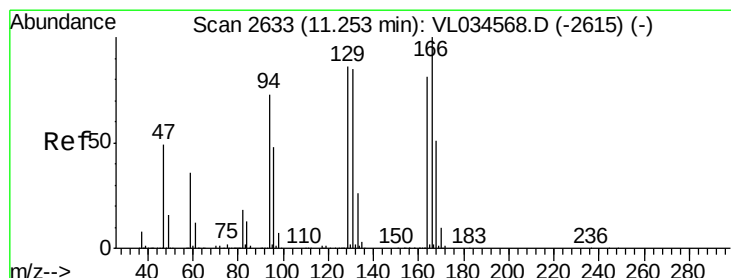
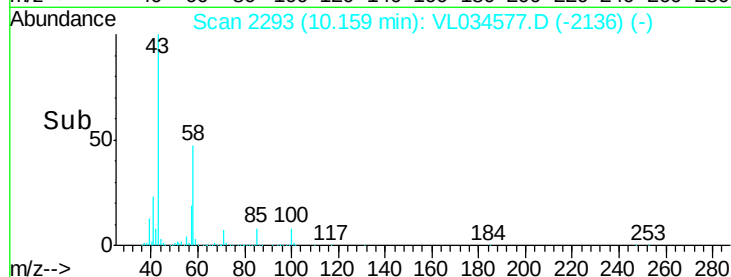
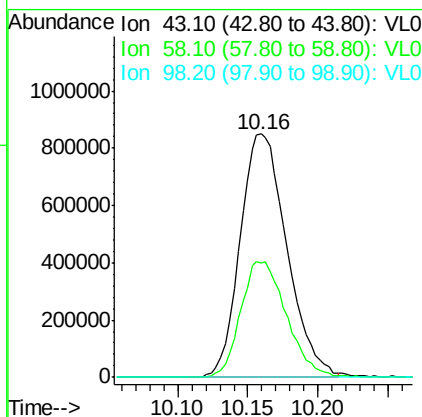
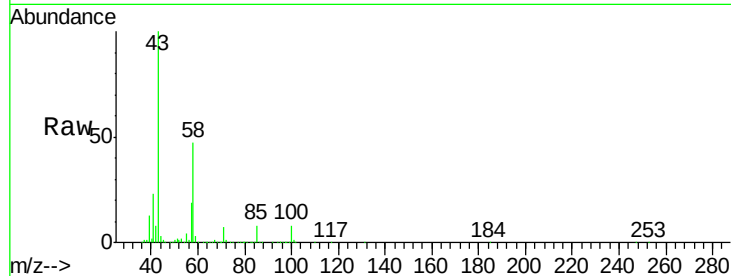
#51
2-Hexanone
Concen: 9.884 ppbv
RT: 10.16 min Scan# 2293
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 43 Resp: 1966600
Ion Ratio Lower Upper
43 100
58 46.7 37.9 56.9
98 0.3 0.3 0.5#

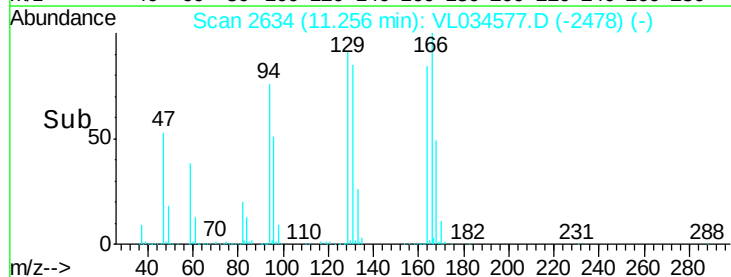
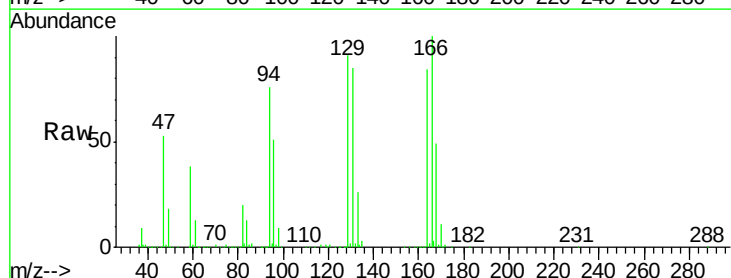
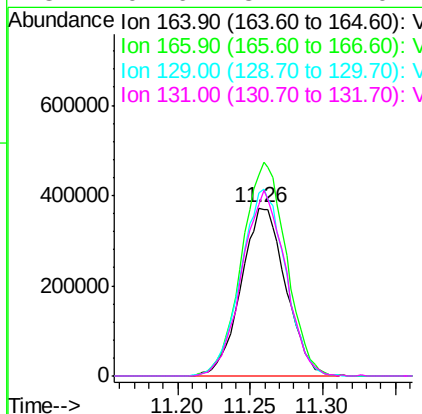
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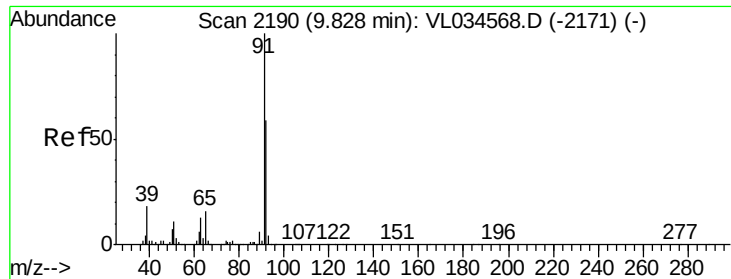
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#52
Tetrachloroethene
Concen: 9.117 ppbv
RT: 11.26 min Scan# 2634
Delta R.T. 0.00 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 164 Resp: 794974
Ion Ratio Lower Upper
164 100
166 119.3 99.0 148.4
129 109.0 85.3 127.9
131 101.6 84.2 126.2





#53

Toluene

Concen: 9.937 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 2369569

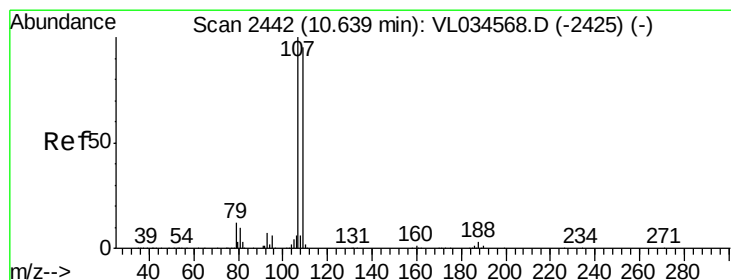
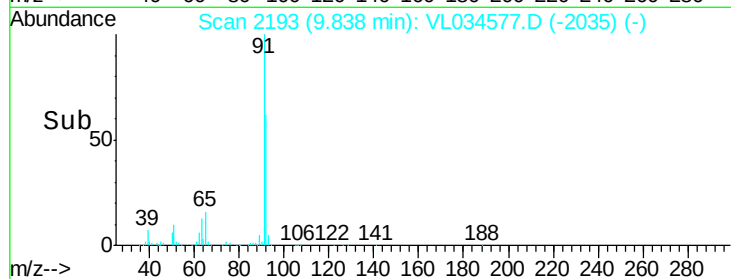
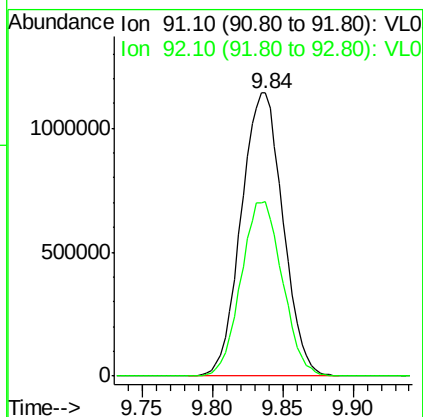
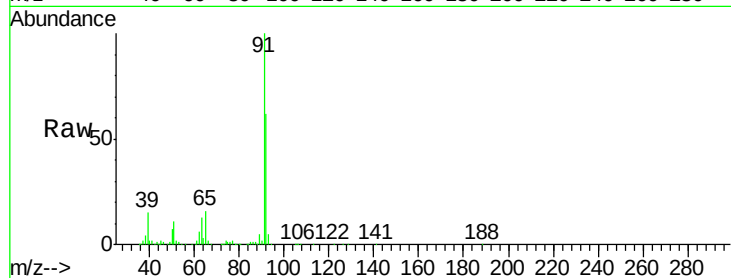
Ion Ratio Lower Upper

91 100

92 61.1 48.2 72.2

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#54

1,2-Dibromoethane

Concen: 9.252 ppbv

RT: 10.65 min Scan# 2445

Delta R.T. 0.01 min

Lab File: VL034577.D

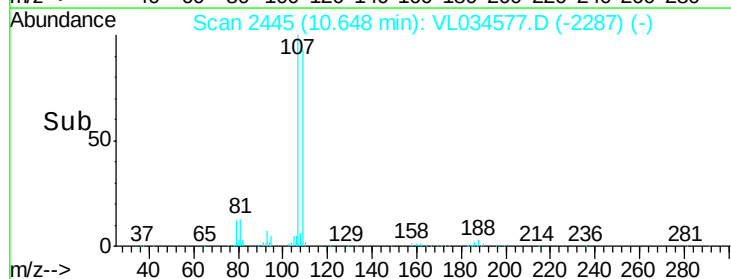
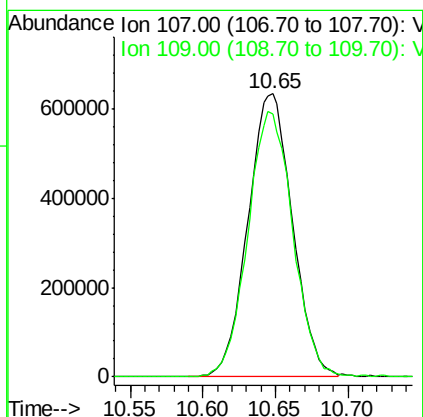
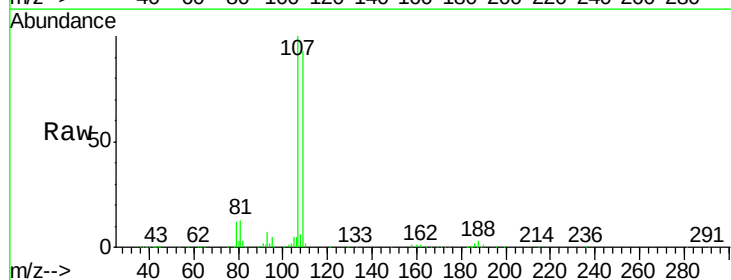
Acq: 4 Feb 2020 11:42

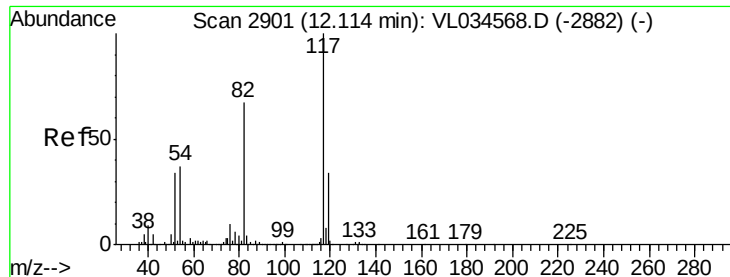
Tgt Ion: 107 Resp: 1351331

Ion Ratio Lower Upper

107 100

109 92.9 75.9 113.9





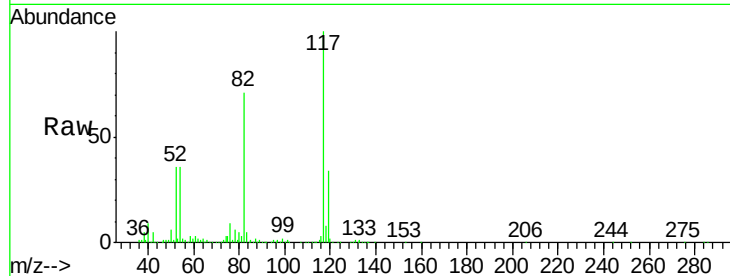
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

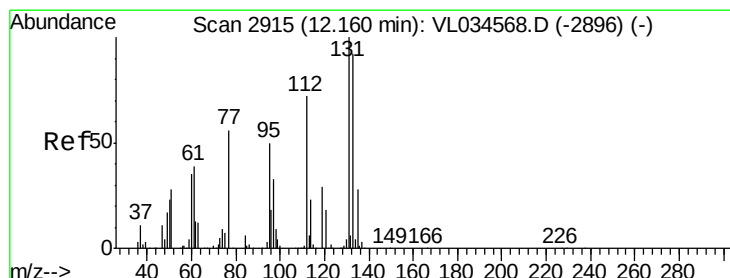
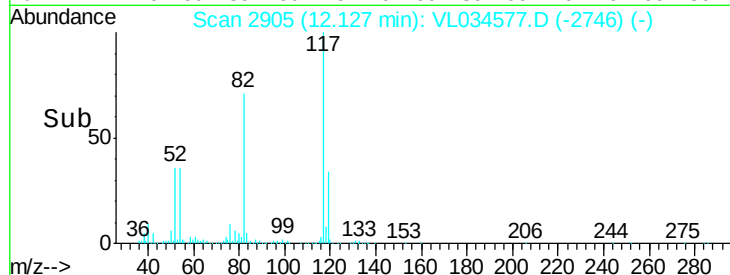
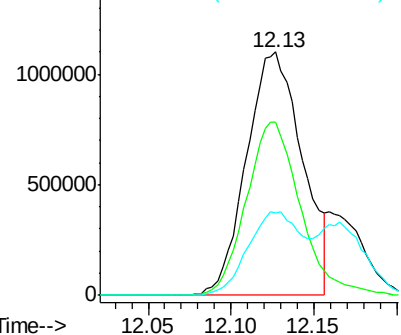
Tot Ion	Ratio	Lower	Upper
117	100		
82	69.2	54.2	81.4
119	32.3	26.1	39.1

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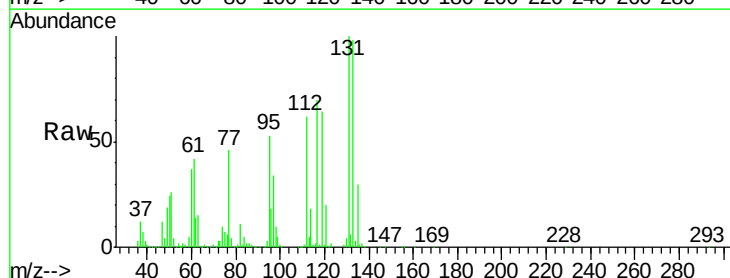


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

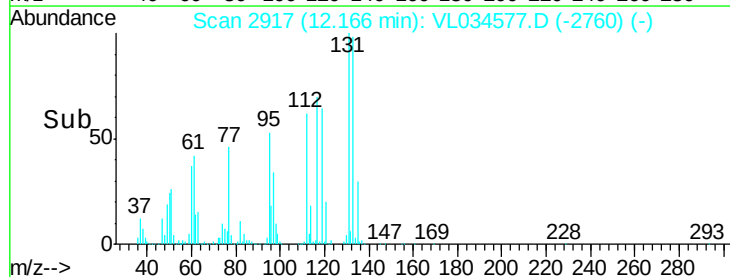
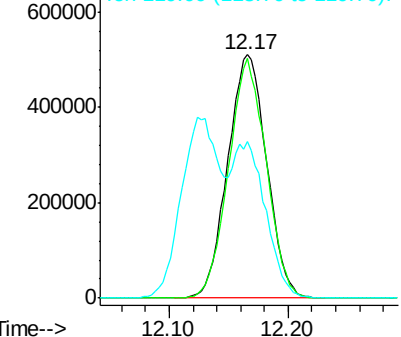


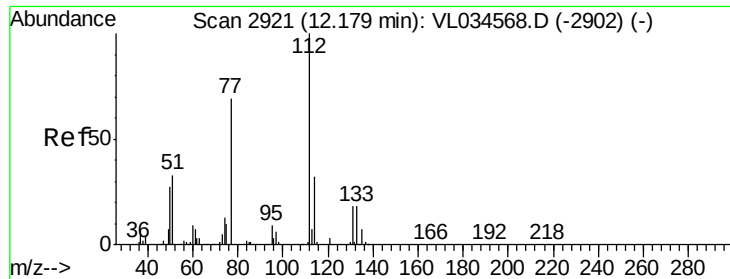
#56
1,1,1,2-Tetrachloroethane
Concen: 9.062 ppbv
RT: 12.17 min Scan# 2917
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.2	75.8	113.8
119	130.5	47.0	70.6#



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





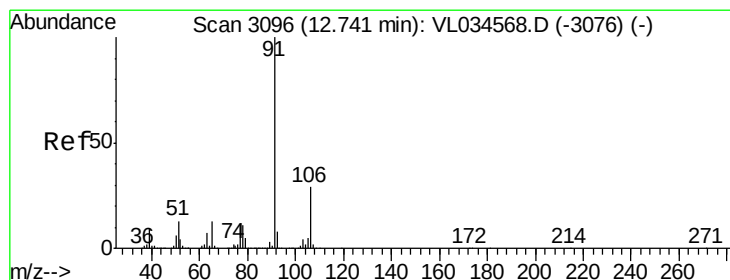
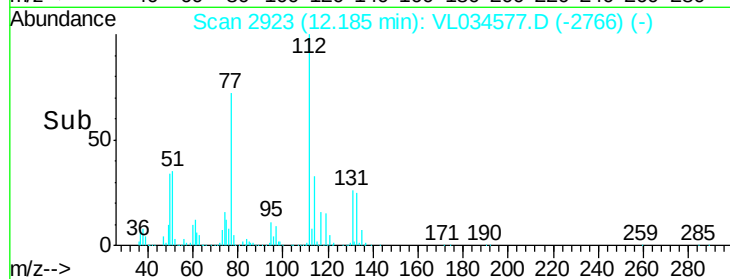
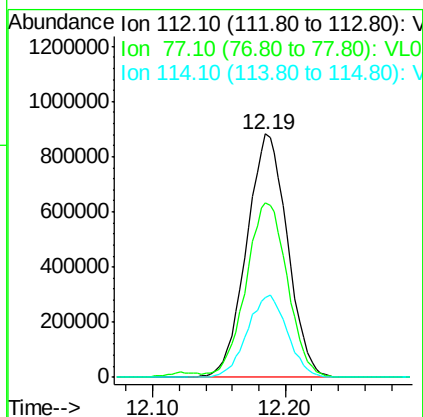
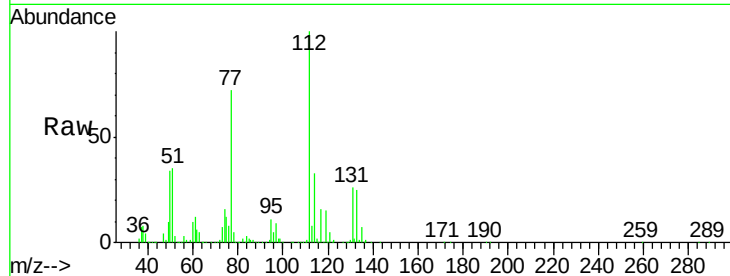
#57
Chlorobenzene
Concen: 8.910 ppbv
RT: 12.19 min Scan# 2923
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
112	100		
77	71.6	56.5	84.7
114	32.8	29.2	35.6

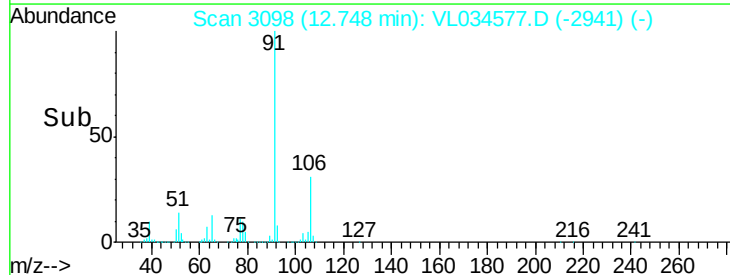
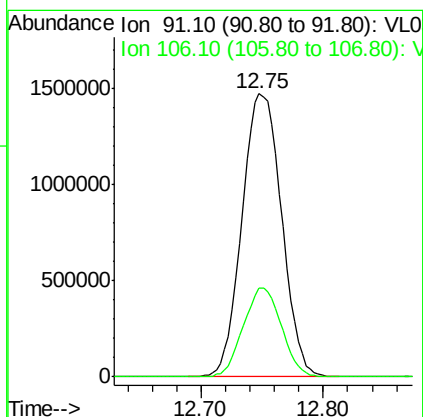
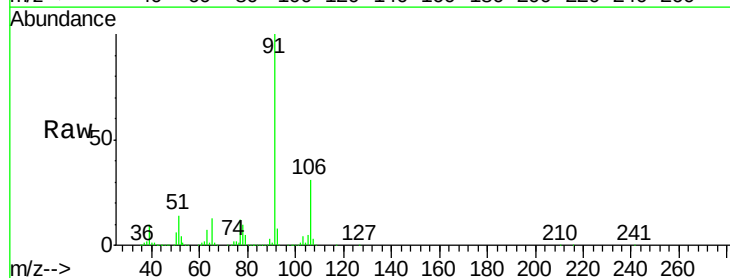
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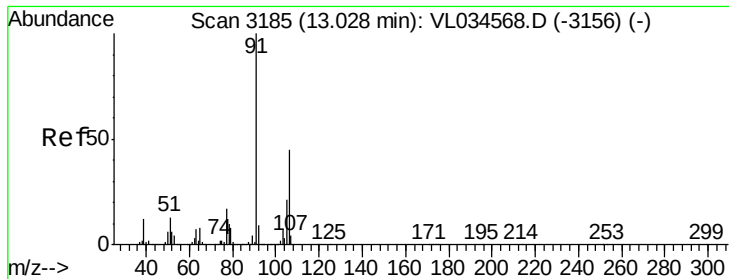
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#58
Ethyl Benzene
Concen: 9.544 ppbv
RT: 12.75 min Scan# 3098
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.4	23.3	34.9





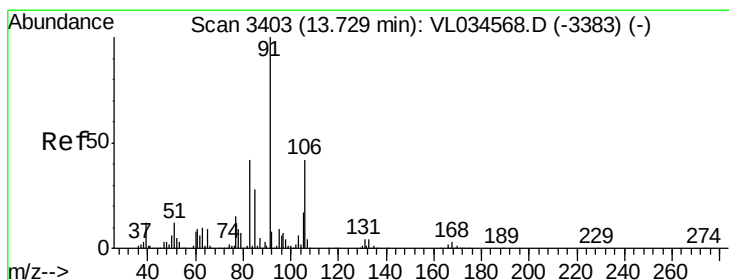
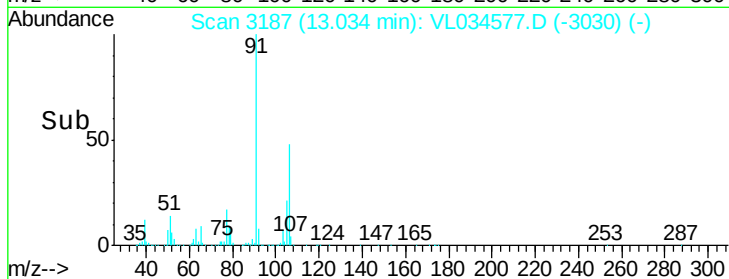
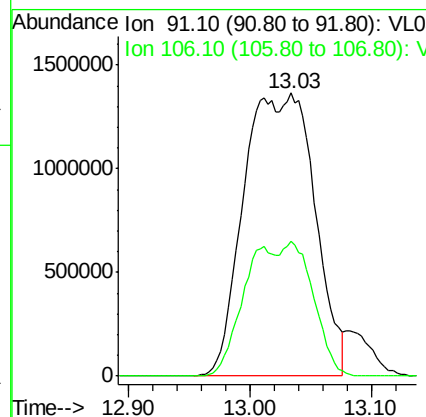
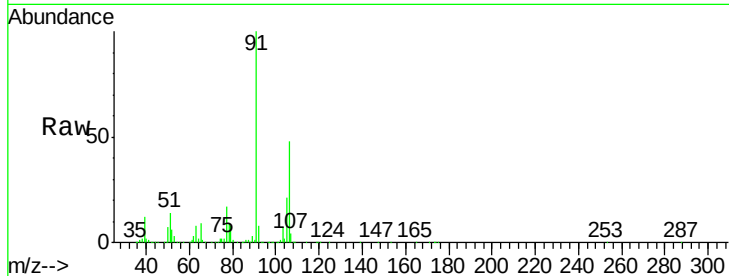
#59
m/p-Xylene
Concen: 18.055 ppbv m
RT: 13.03 min Scan# 3187
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 5515237
Ion Ratio Lower Upper
91 100
106 44.9 35.3 52.9

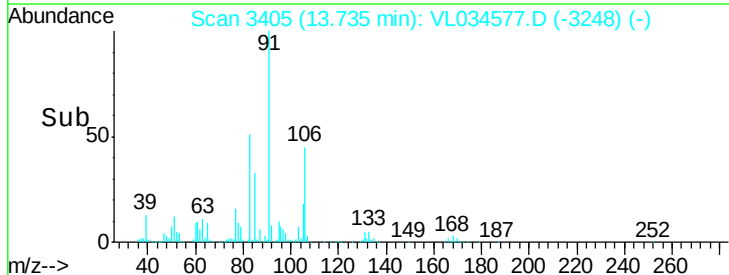
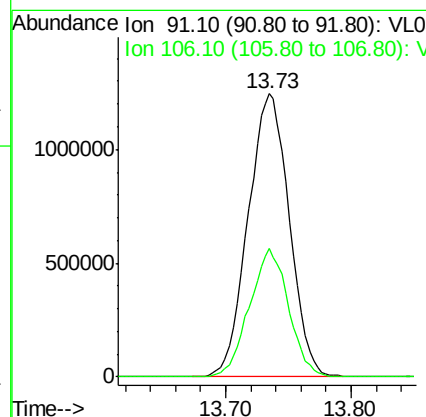
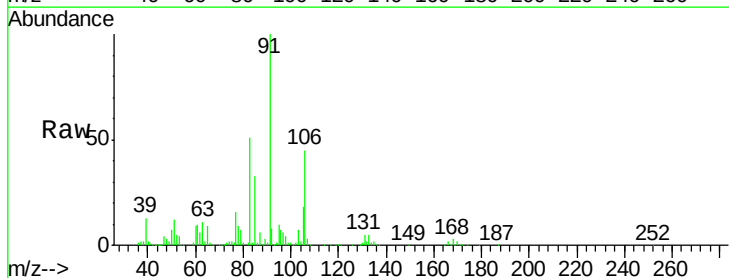
Manual Integrations
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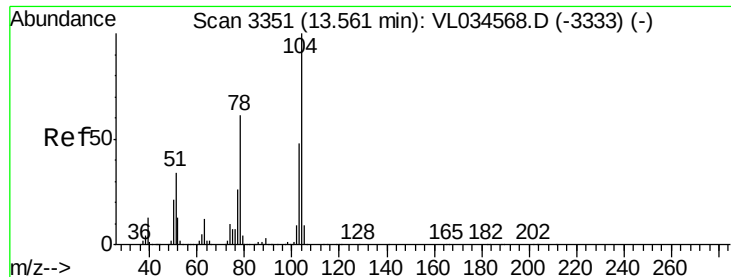
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#60
o-Xylene
Concen: 9.262 ppbv
RT: 13.73 min Scan# 3405
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 91 Resp: 2841316
Ion Ratio Lower Upper
91 100
106 42.9 21.6 65.0





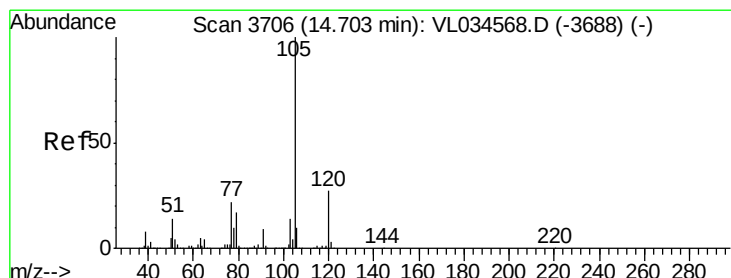
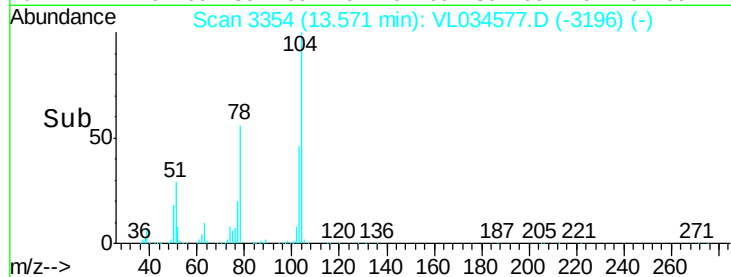
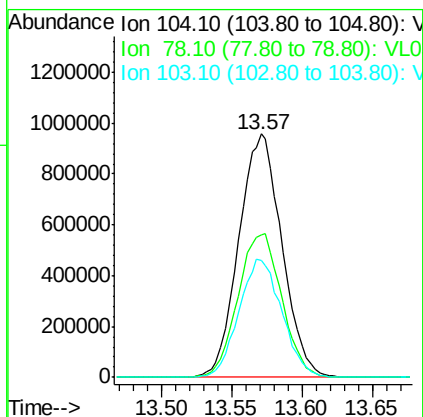
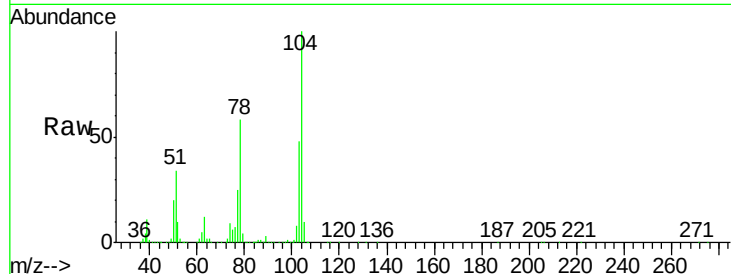
#61
Stvrene
Concen: 9.965 ppbv
RT: 13.57 min Scan# 3354
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	60.3	47.0	70.6
103	48.8	38.5	57.7

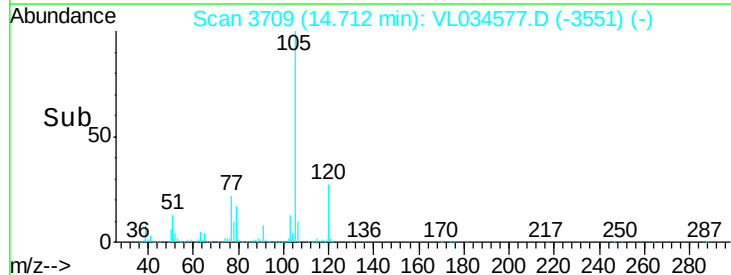
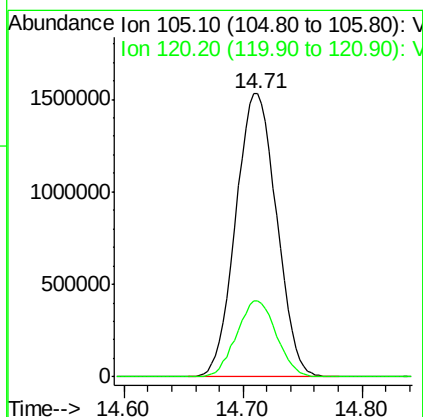
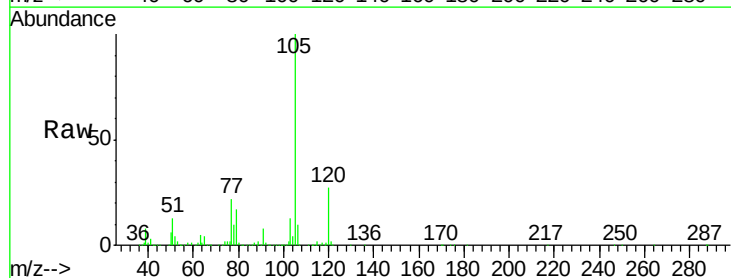
Manual Integrations
APPROVED

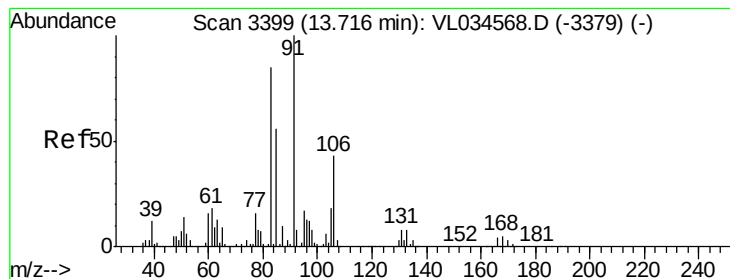
MMDadoda
2/5/2020 2:50:05 PM



#62
Isopropylbenzene
Concen: 9.127 ppbv
RT: 14.71 min Scan# 3709
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.3	20.7	31.1





#63

1,1,2,2-Tetrachloroethane

Concen: 8.315 ppbv

RT: 13.72 min Scan# 3400

Delta R.T. 0.00 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 1972908

Ion Ratio Lower Upper

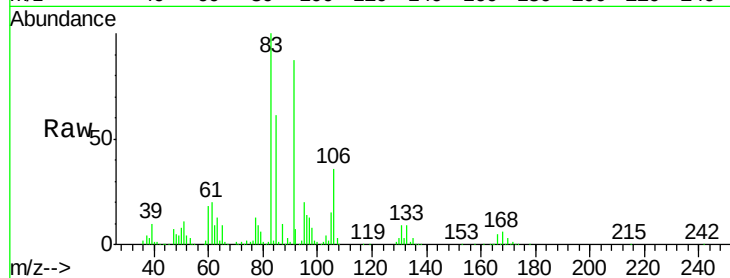
83 100

131 9.7 4.9 14.6

85 65.0 32.6 98.0

Manual Integrations
APPROVED

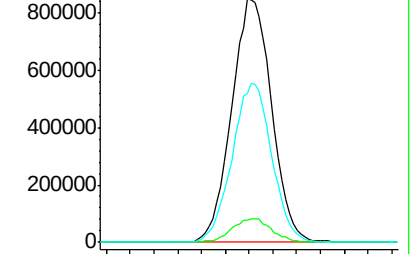
MMDadoda
2/5/2020 2:50:05 PM



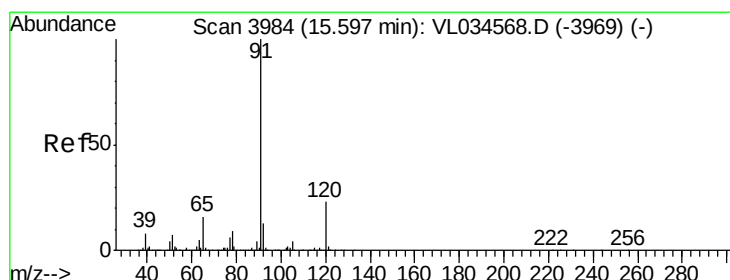
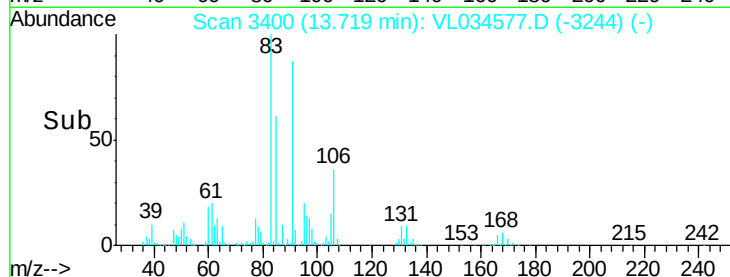
Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



Time--> 13.60 13.70 13.80



#64

n-propylbenzene

Concen: 9.333 ppbv

RT: 15.61 min Scan# 3988

Delta R.T. 0.01 min

Lab File: VL034577.D

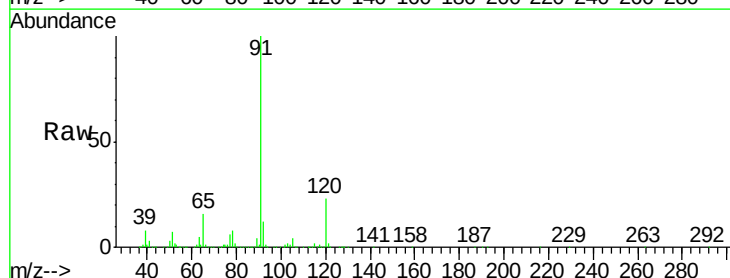
Acq: 4 Feb 2020 11:42

Tgt Ion:120 Resp: 954517

Ion Ratio Lower Upper

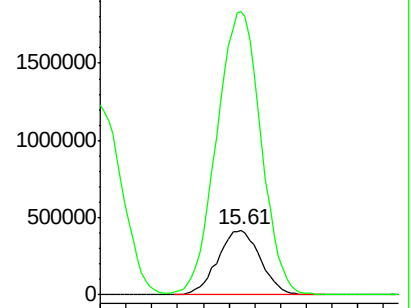
120 100

91 458.2 365.3 547.9

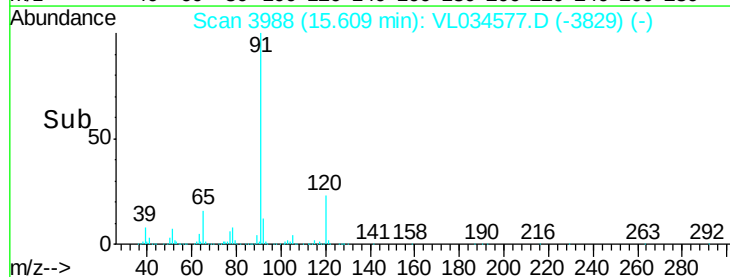


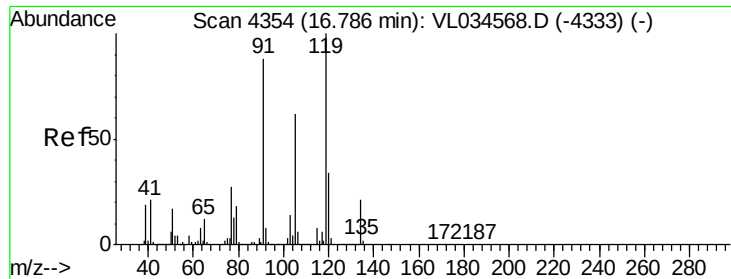
Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



Time--> 15.50 15.60 15.70





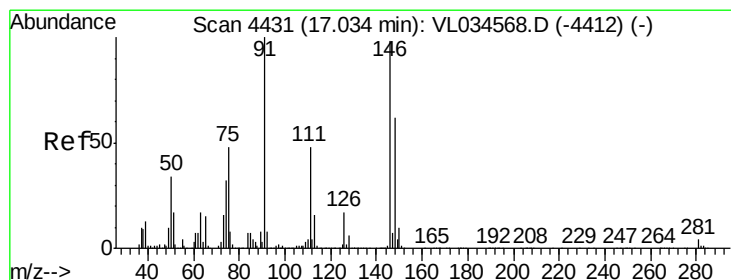
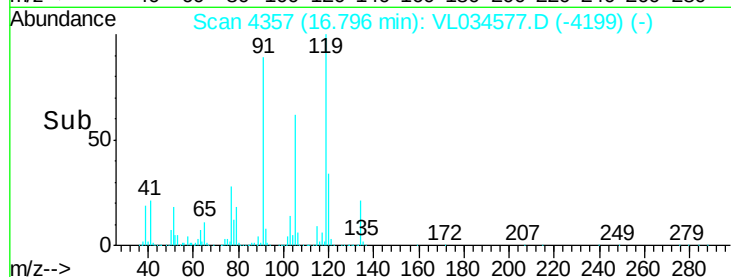
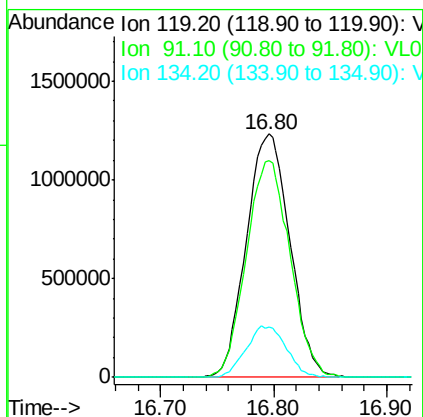
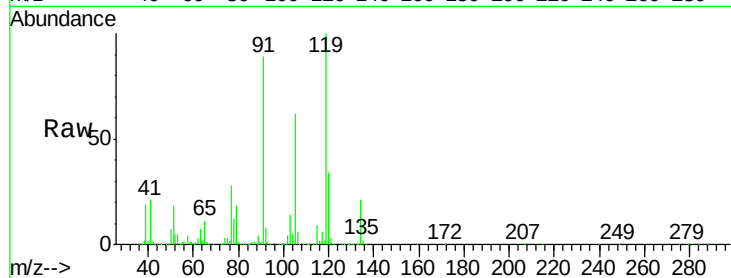
#65
tert-Butylbenzene
Concen: 9.141 ppbv
RT: 16.80 min Scan# 4357
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 119 Resp: 3292403
Ion Ratio Lower Upper
119 100
91 89.8 72.2 108.4
134 19.7 15.9 23.9

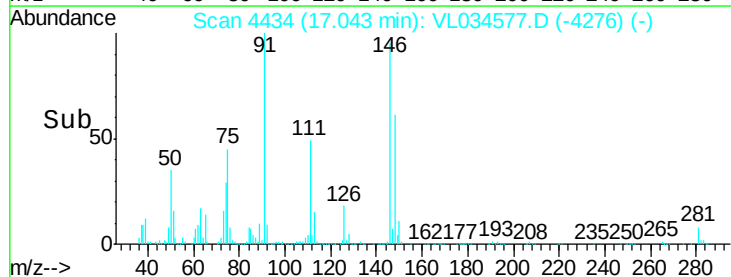
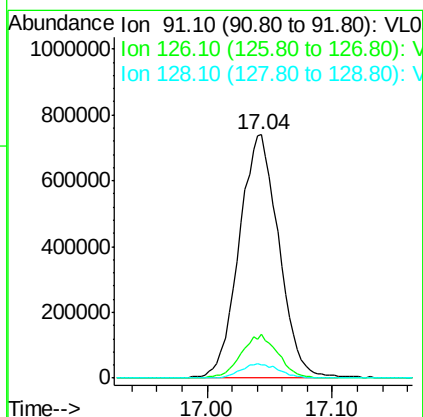
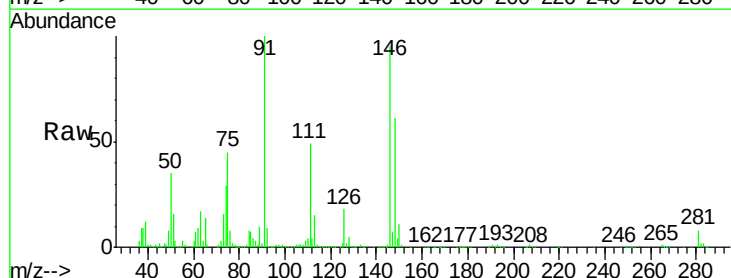
Manual Integrations
APPROVED

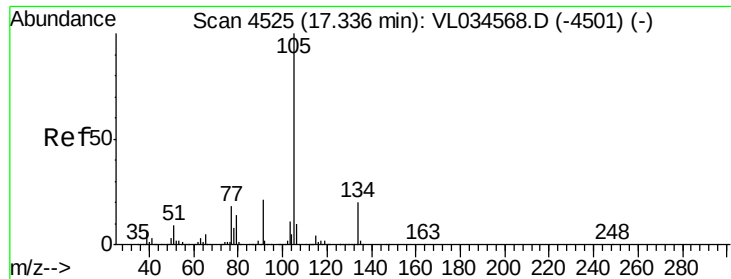
MMDadoda
2/5/2020 2:50:05 PM



#66
Benzyl Chloride
Concen: 10.743 ppbv
RT: 17.04 min Scan# 4434
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion: 91 Resp: 1622484
Ion Ratio Lower Upper
91 100
126 17.0 13.4 20.0
128 5.6 4.3 6.5





#67

sec-Butylbenzene

Concen: 8.953 ppbv

RT: 17.34 min Scan# 4527

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 105 Resp: 4431319

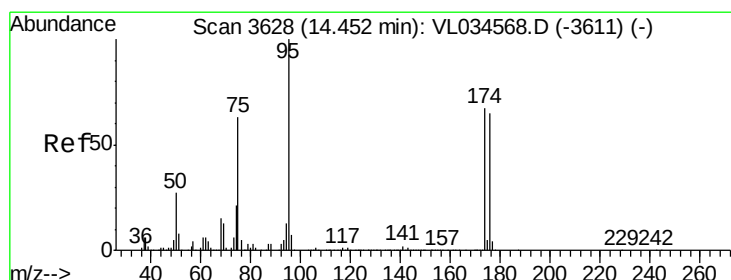
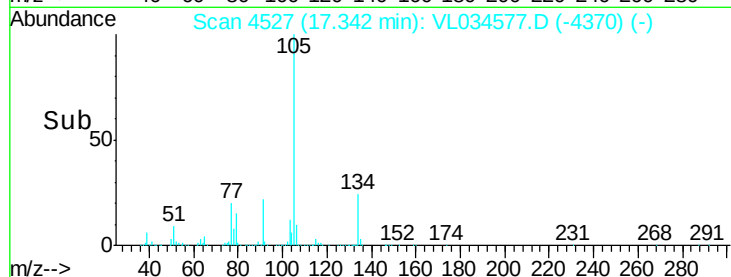
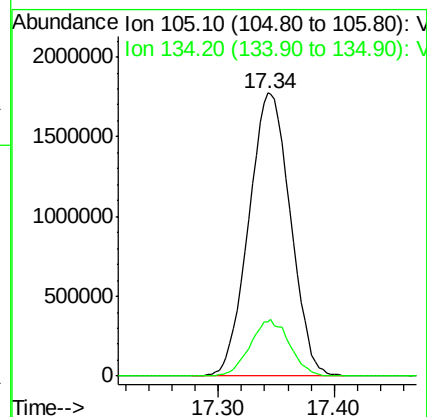
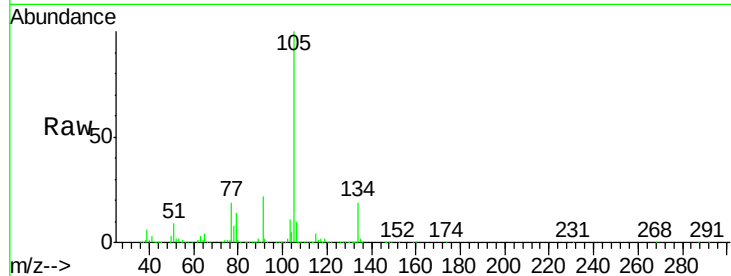
Ion Ratio Lower Upper

105 100

134 19.0 15.5 23.3

Manual Integrations
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2/5/2020 2:50:05 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.947 ppbv

RT: 14.46 min Scan# 3631

Delta R.T. 0.01 min

Lab File: VL034577.D

Acq: 4 Feb 2020 11:42

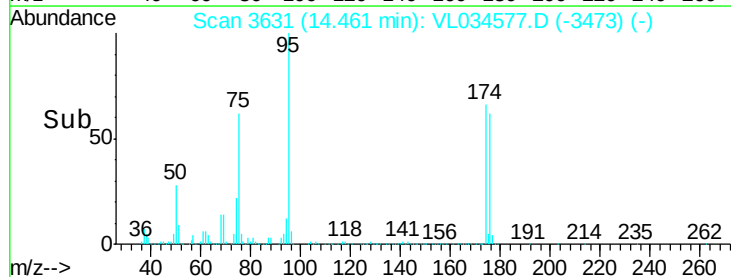
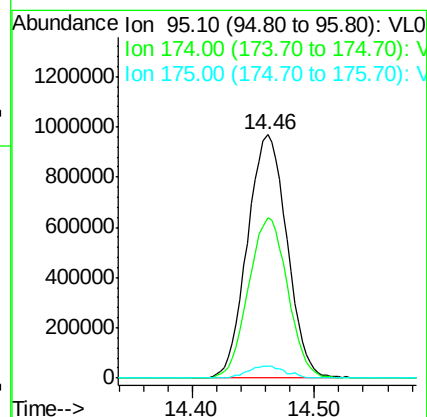
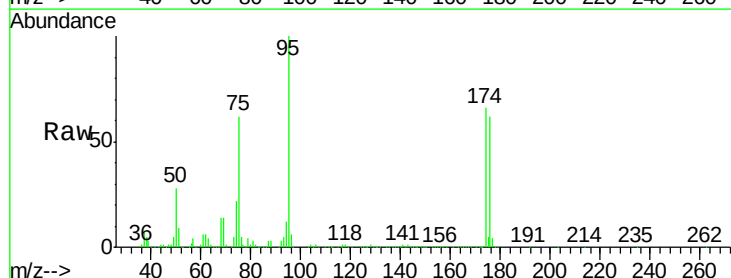
Tgt Ion: 95 Resp: 2170845

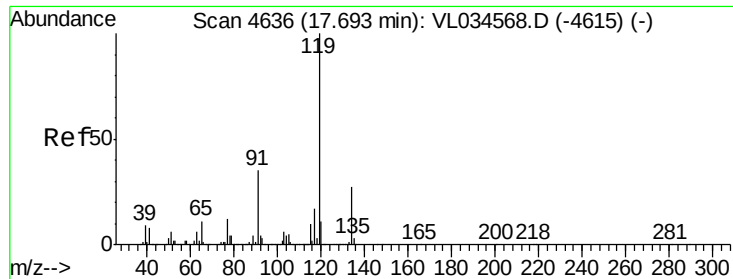
Ion Ratio Lower Upper

95 100

174 65.4 52.3 78.5

175 4.8 3.8 5.6





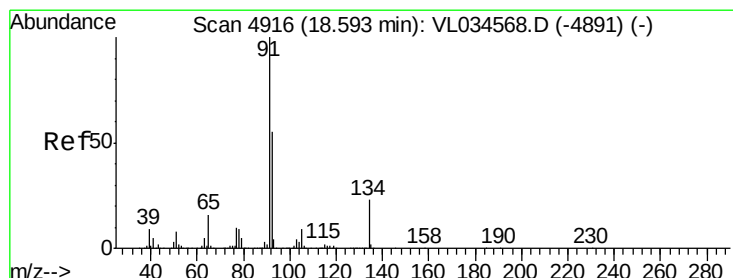
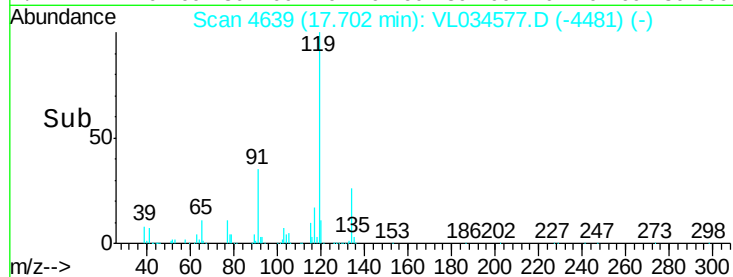
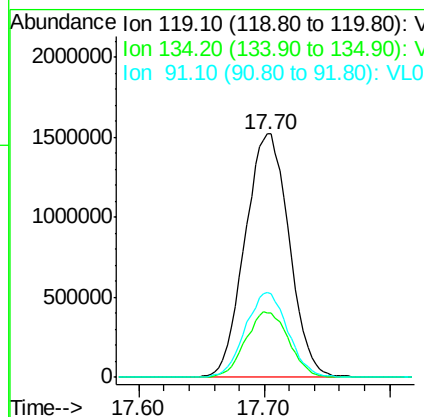
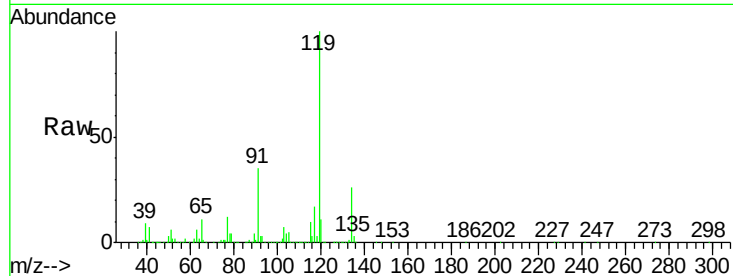
#69
 p-Isopropyltoluene
 Concen: 9.238 ppbv
 RT: 17.70 min Scan# 4639
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	20.7	31.1
91	33.9	26.9	40.3

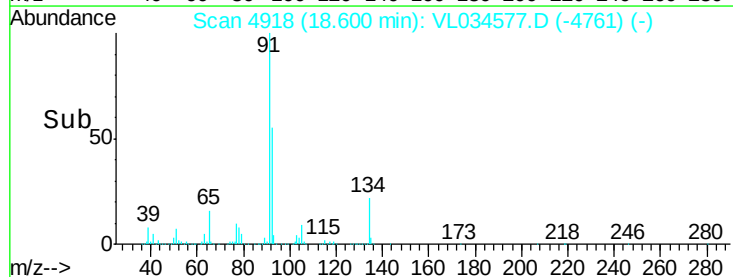
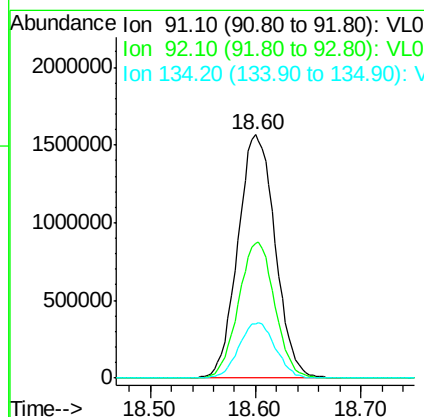
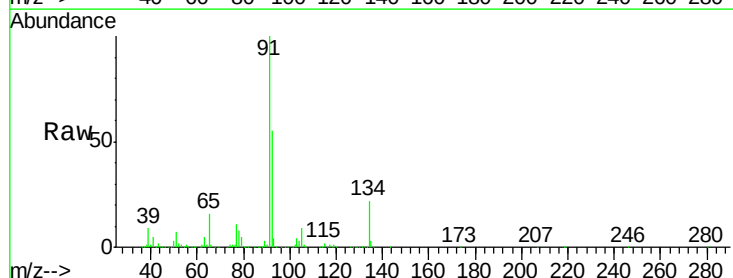
Manual Integrations
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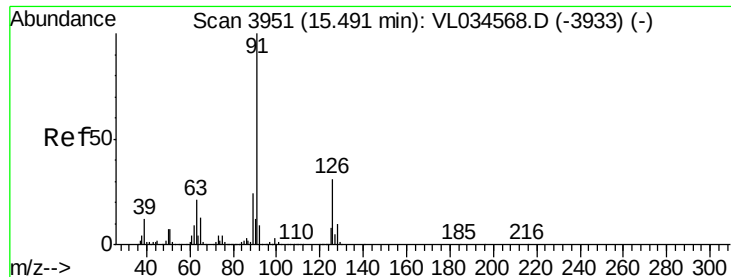
MMDadoda
 2/5/2020 2:50:05 PM



#70
 n-Butylbenzene
 Concen: 8.986 ppbv
 RT: 18.60 min Scan# 4918
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.6	43.6	65.4
134	22.5	18.2	27.4





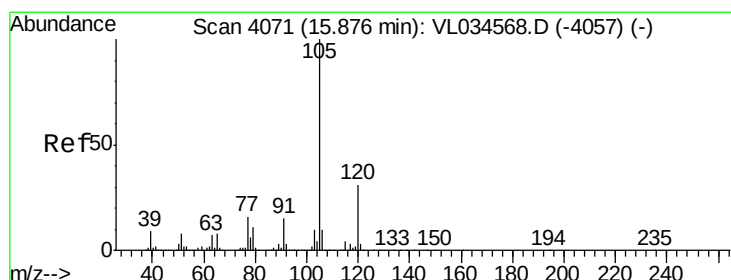
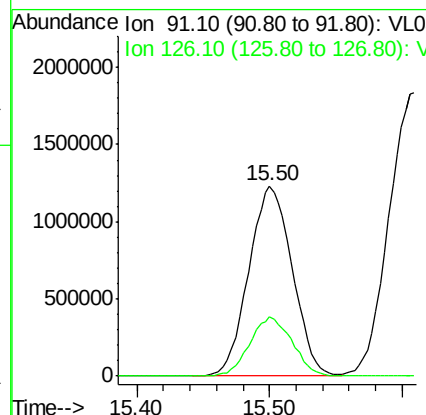
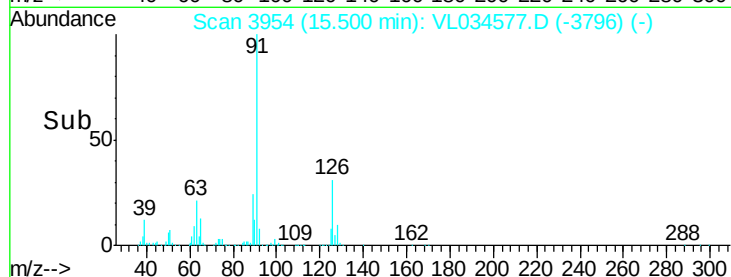
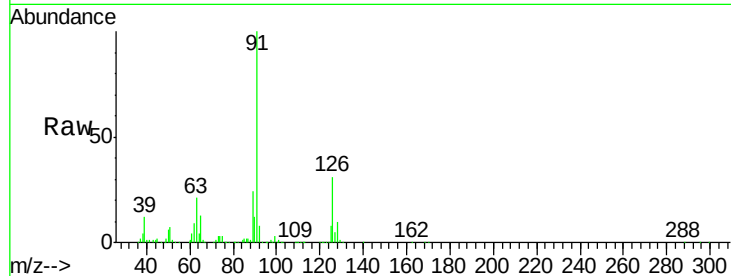
#71
 2-Chlorotoluene
 Concen: 9.286 ppbv
 RT: 15.50 min Scan# 3954
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 91 Resp: 2802162
 Ion Ratio Lower Upper
 91 100
 126 30.3 12.0 47.8

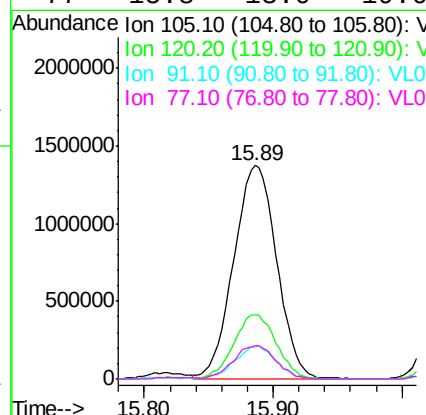
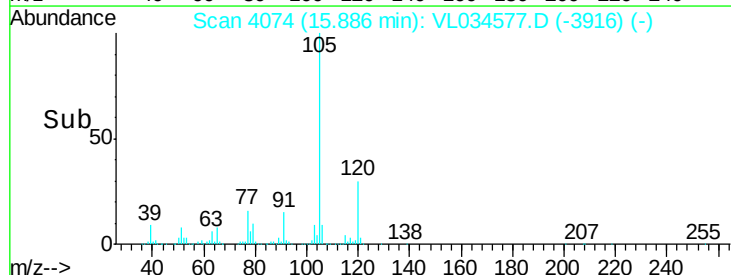
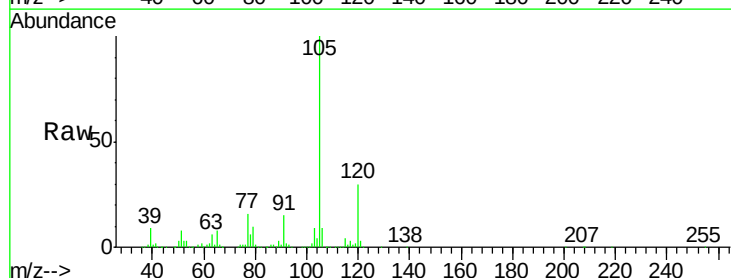
Manual Integrations
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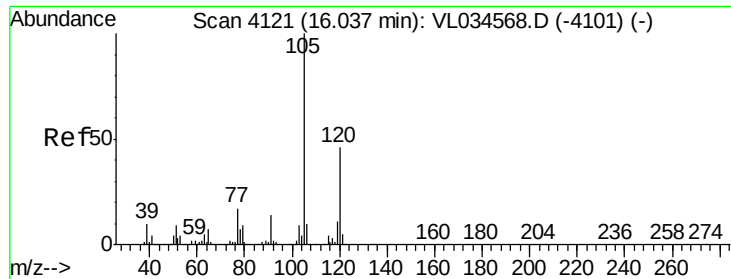
MMDadoda
 2/5/2020 2:50:05 PM



#72
 4-Ethyltoluene
 Concen: 9.415 ppbv
 RT: 15.89 min Scan# 4074
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion: 105 Resp: 3172648
 Ion Ratio Lower Upper
 105 100
 120 29.9 23.8 35.6
 91 14.8 11.8 17.8
 77 15.8 13.0 19.6





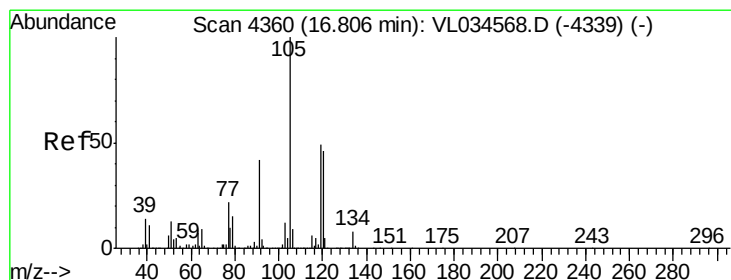
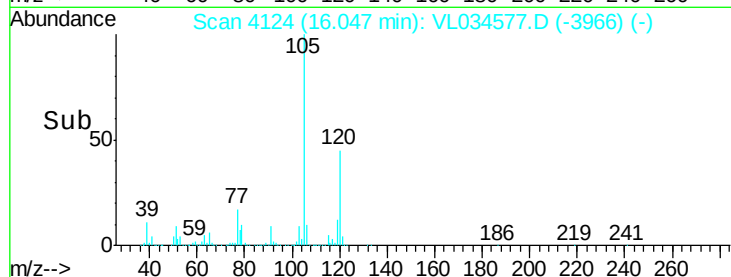
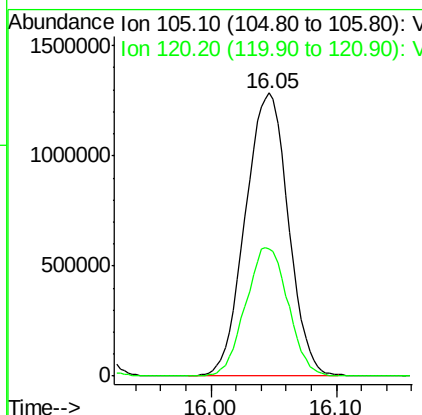
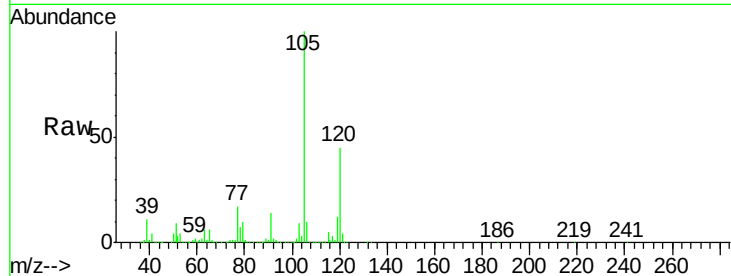
#73
 1,3,5-Trimethylbenzene
 Concen: 9.276 ppbv
 RT: 16.05 min Scan# 4124
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:105 Resp: 3054564
 Ion Ratio Lower Upper
 105 100
 120 44.9 37.0 55.6

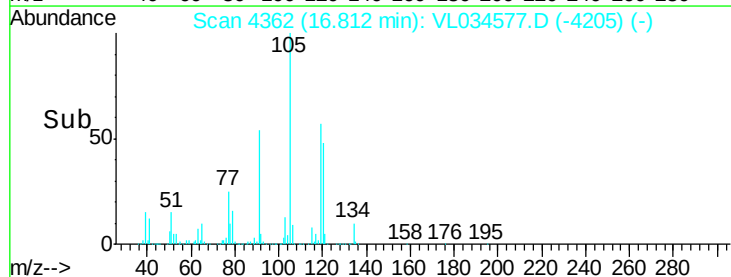
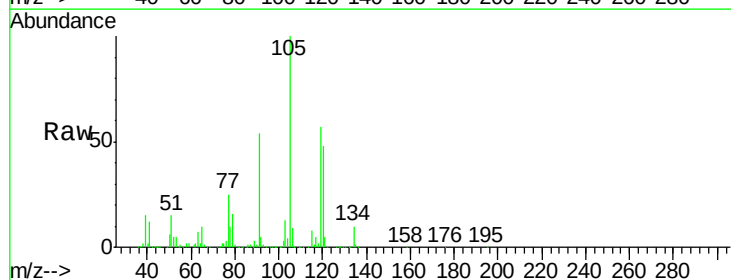
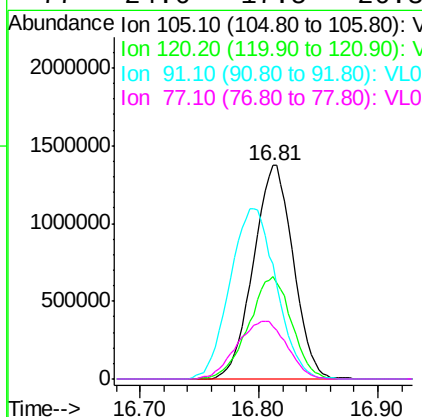
Manual Integrations
 APPROVED

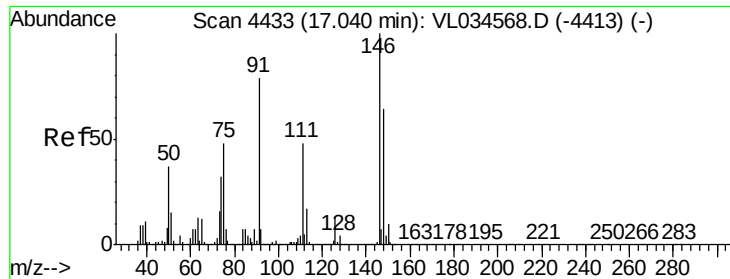
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#74
 1,2,4-Trimethylbenzene
 Concen: 8.730 ppbv
 RT: 16.81 min Scan# 4362
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion:105 Resp: 3182348
 Ion Ratio Lower Upper
 105 100
 120 47.9 37.1 55.7
 91 53.7 34.3 51.5#
 77 24.6 17.5 26.3





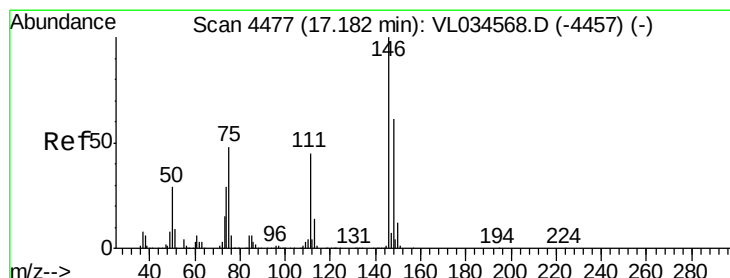
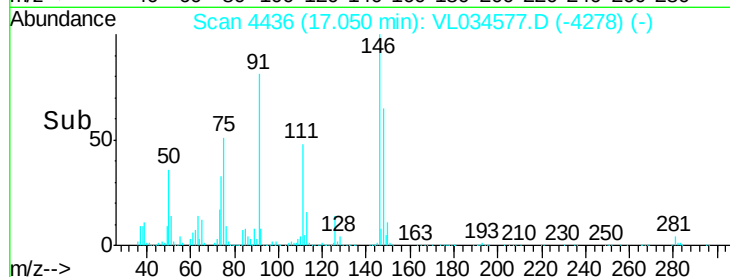
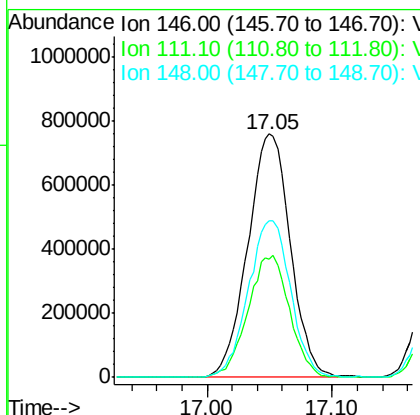
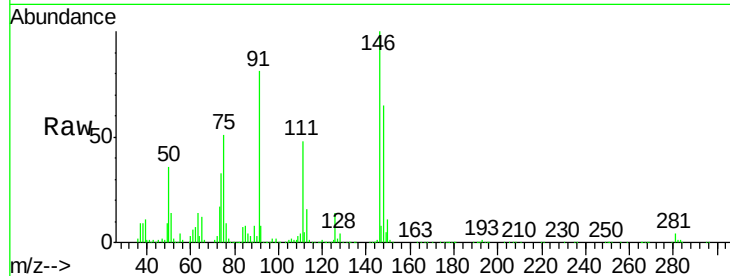
#75
 1,3-Dichlorobenzene
 Concen: 8.553 ppbv
 RT: 17.05 min Scan# 4436
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	49.0	24.7	74.1
148	64.2	32.8	98.4

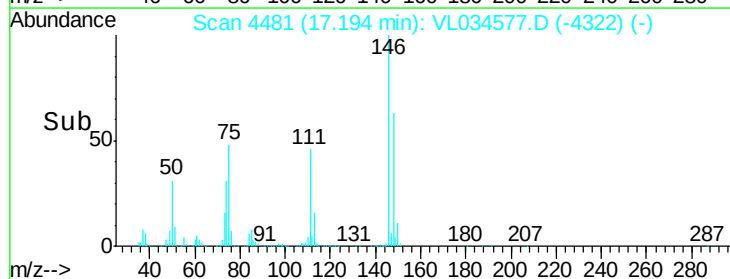
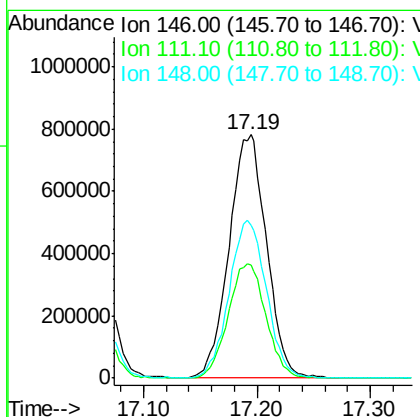
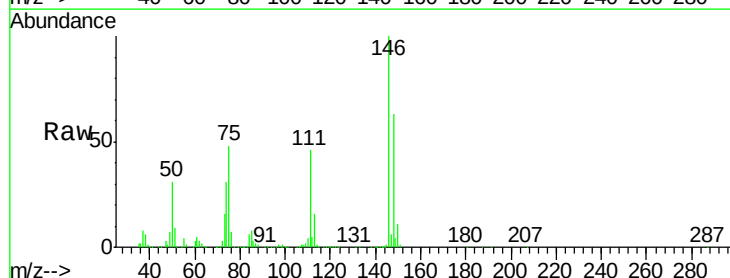
Manual Integrations
 APPROVED

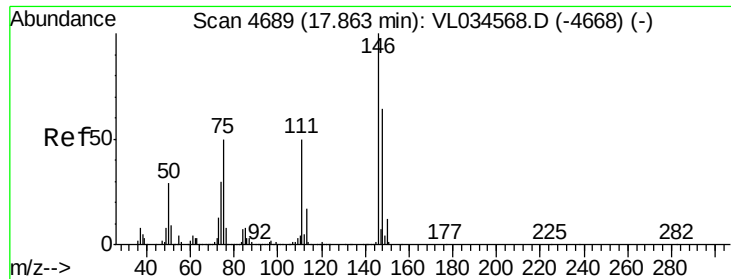
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#76
 1,4-Dichlorobenzene
 Concen: 8.659 ppbv
 RT: 17.19 min Scan# 4481
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.7	24.1	72.2
148	64.9	32.6	98.0





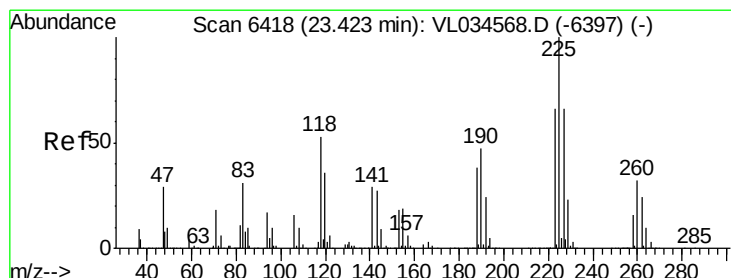
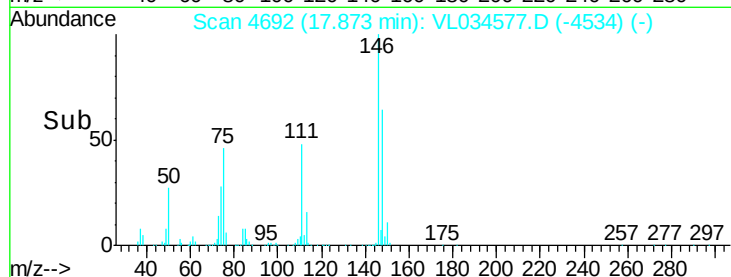
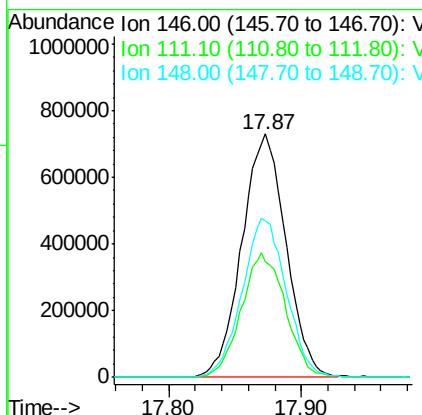
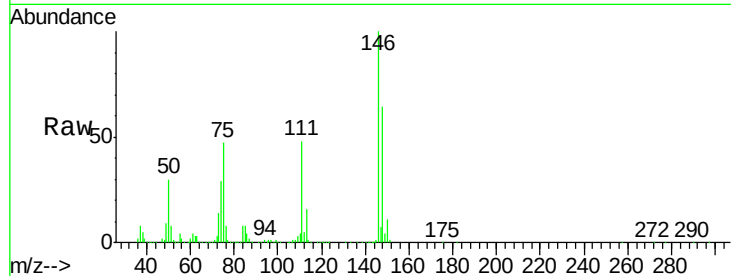
#77
 1,2-Dichlorobenzene
 Concen: 8.346 ppbv
 RT: 17.87 min Scan# 4692
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	51.3	25.1	75.3
148	65.7	32.2	96.6

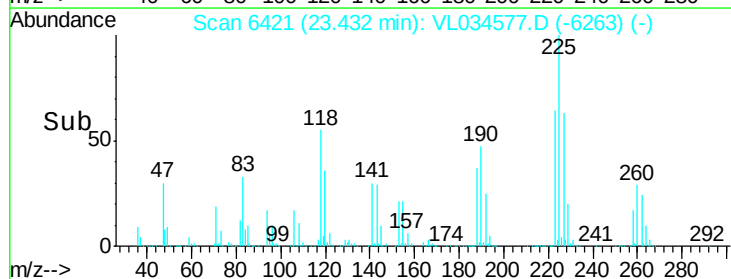
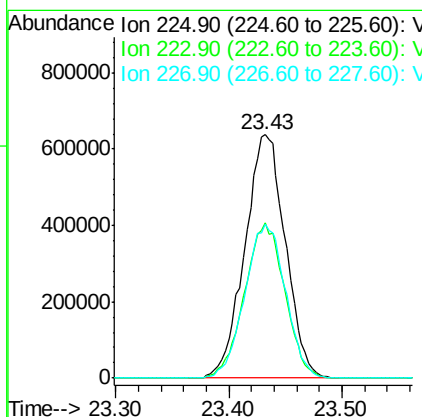
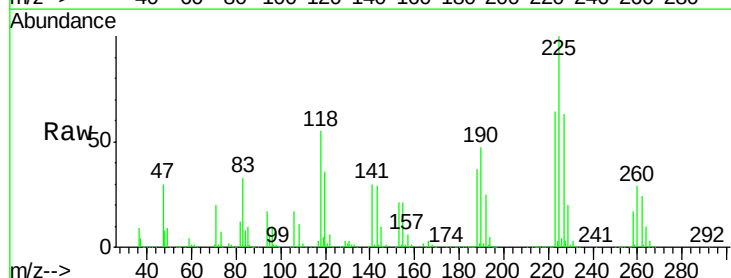
Manual Integrations
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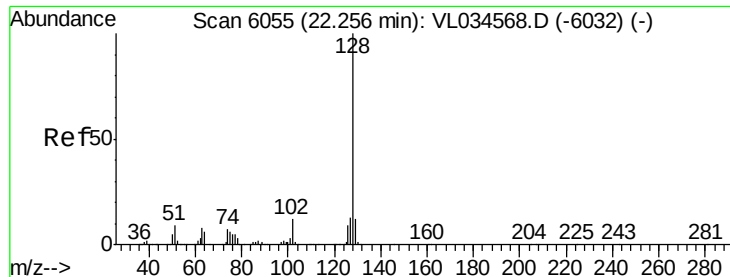
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#78
 Hexachloro-1,3-Butadiene
 Concen: 8.231 ppbv
 RT: 23.43 min Scan# 6421
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	50.9	76.3
227	63.4	51.6	77.4





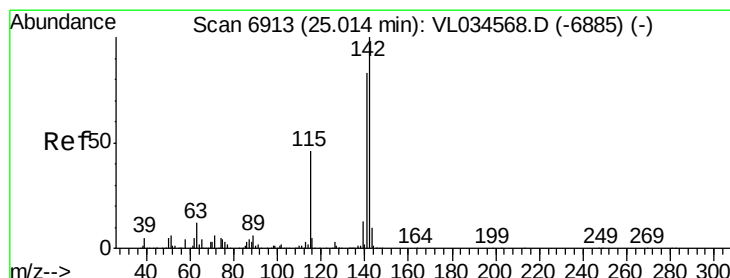
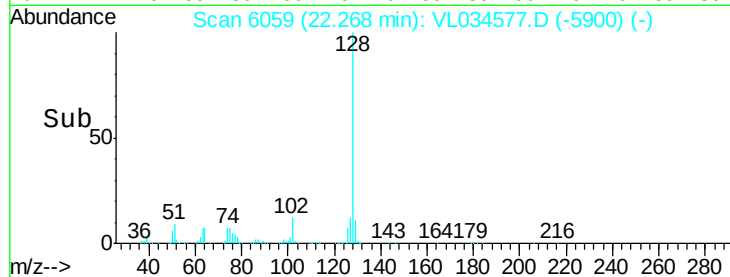
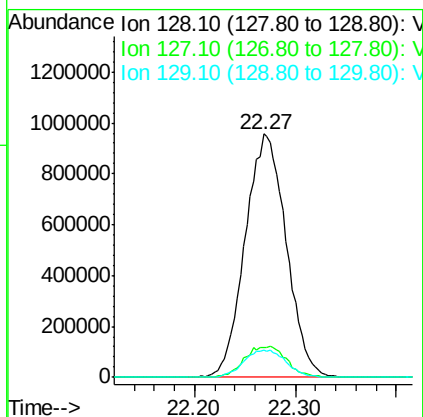
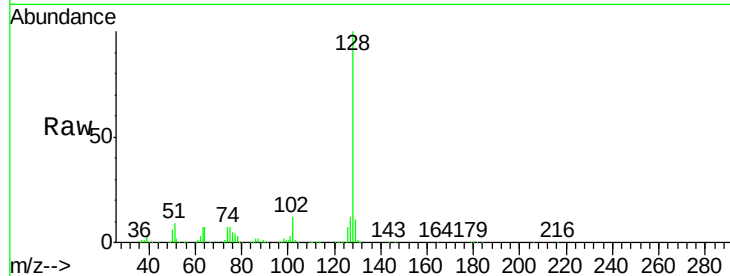
#79
Naphthalene
Concen: 9.419 ppbv
RT: 22.27 min Scan# 6059
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.5	10.1	15.1
129	11.2	9.3	13.9

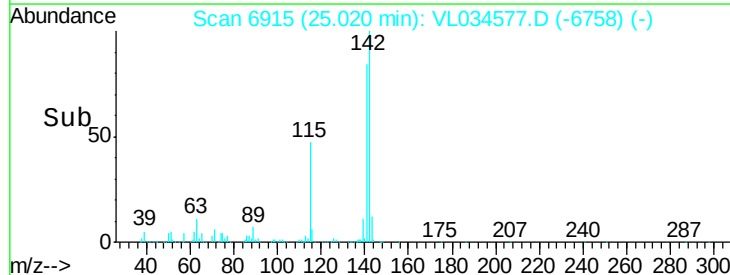
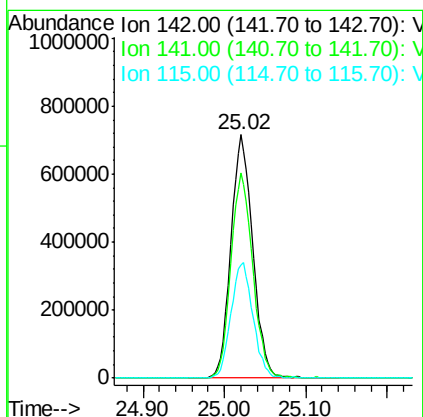
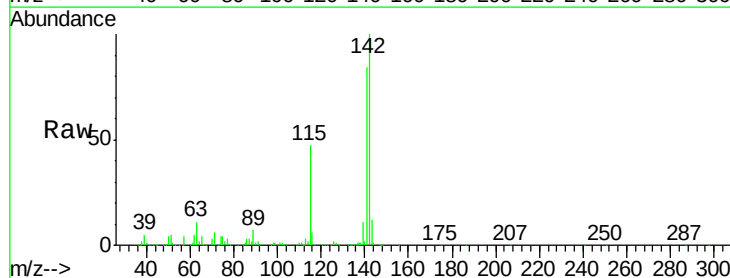
Manual Integrations
APPROVED

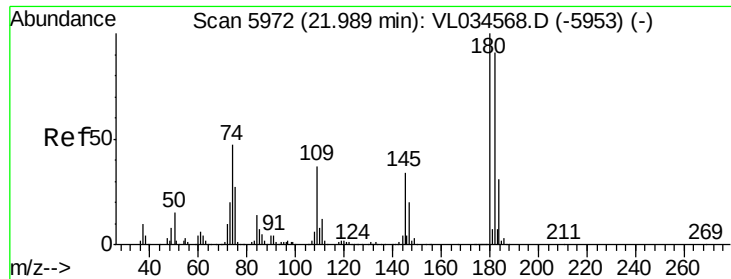
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#80
Naphthalene, 2-methyl-
Concen: 12.221 ppbv
RT: 25.02 min Scan# 6915
Delta R.T. 0.01 min
Lab File: VL034577.D
Acq: 4 Feb 2020 11:42

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.8	67.0	100.4
115	48.0	39.5	59.3





#81
 1,2,4-Trichlorobenzene
 Concen: 9.327 ppbv
 RT: 22.00 min Scan# 5975
 Delta R.T. 0.01 min
 Lab File: VL034577.D
 Acq: 4 Feb 2020 11:42

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.8	116.6
184	31.2	25.4	38.0

Manual Integrations
 APPROVED

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