

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092920\
 Data File : VL035740.D
 Acq On : 30 Sep 2020 1:31
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 5:32:19 PM

Quant Time: Sep 30 04:17:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 07:38:05 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.70	49	1140167	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.22	114	4267430	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.14	117	4429638m	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.48	95	3254942	9.81	ppbv	0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.06	85	1636979	8.750	ppbv 99
3) Chlorodifluoromethane	3.00	51	1202934	9.807	ppbv 100
4) Chloromethane	3.15	50	663657	10.072	ppbv 97
5) Vinyl Chloride	3.27	62	776780	9.966	ppbv 99
6) Bromomethane	3.49	94	644991	9.790	ppbv 98
7) Chloroethane	3.57	64	283616	9.922	ppbv 100
8) Dichlorotetrafluoroethane	3.20	85	2160363	9.521	ppbv 100
9) Propene	3.02	41	465144	10.444	ppbv 100
10) Heptane	8.17	43	1409294	11.351	ppbv 99
11) Trichlorofluoromethane	3.97	101	2612413	9.787	ppbv 97
12) 1,1,2-Trichlorotrifluoroet	4.51	101	1942799	9.763	ppbv 99
13) Ethanol	3.63	45	116200m	10.580	ppbv
14) Bromoethene	3.76	108	852886	10.175	ppbv 100
15) Acetone	3.87	43	1094835	8.924	ppbv 99
16) 1,3-Butadiene	3.34	39	490586	10.930	ppbv 97
17) tert-Butyl alcohol	4.32	59	1408458	10.539	ppbv 100
18) 1,1-Dichloroethene	4.31	96	894303	10.265	ppbv 97
19) Isopropyl Alcohol	3.99	45	739734	11.084	ppbv 100
20) Methylene Chloride	4.37	84	748257	8.303	ppbv 99
21) Allyl Chloride	4.44	41	627143	10.546	ppbv 99
22) trans-1,2-Dichloroethene	4.91	96	941581	10.230	ppbv 99
23) Vinyl Acetate	5.11	43	1640678	10.918	ppbv 99
24) 1,1-Dichloroethane	5.04	63	1635346	9.991	ppbv 100
25) Ethyl Acetate	5.71	43	2279145	10.324	ppbv 99
26) Hexane	5.72	57	1265793	10.464	ppbv 99
27) Carbon Disulfide	4.57	76	1968739	10.919	ppbv 99
28) Methyl tert-Butyl Ether	5.06	73	2003468	10.448	ppbv 99
29) Chloroform	5.79	83	2444553	9.951	ppbv 100
30) Cyclohexane	7.17	84	1348230	11.296	ppbv 99
31) cis-1,2-Dichloroethene	5.58	61	1297459	11.111	ppbv 97
32) 1,1,1-Trichloroethane	6.55	97	2336227	10.788	ppbv 99
34) 2-Butanone	5.28	43	1540552	10.914	ppbv 100
35) Carbon Tetrachloride	7.06	117	2454555	11.032	ppbv 99
36) Benzene	6.93	78	3061933	11.012	ppbv 100
37) 1,2-Dichloroethane	6.35	62	1515474	10.457	ppbv 100
38) Trichloroethene	7.88	130	1562141	11.262	ppbv 98
39) 1,2-Dichloropropane	7.66	63	1079621	10.712	ppbv 97
40) 1,4-Dioxane	7.87	88	538987	11.694	ppbv 96
41) Tetrahydrofuran	6.08	42	867222	12.196	ppbv 98
42) Bromodichloromethane	7.84	83	2550136	10.923	ppbv 100
43) Methyl Methacrylate	8.06	69	1316514	11.904	ppbv 98

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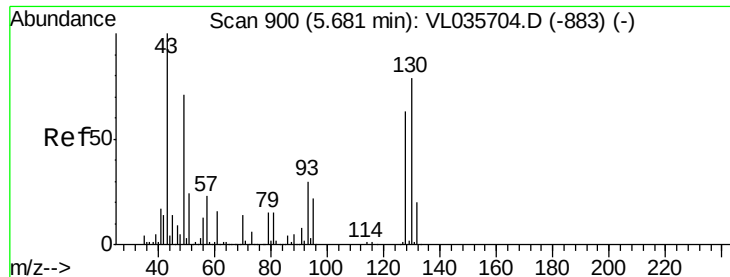
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.92	57	4293331	10.760	ppbv	100
45) t-1,3-Dichloropropene	9.33	75	1471418	13.178	ppbv	99
46) cis-1,3-Dichloropropene	8.75	75	1749355	12.710	ppbv	99
47) 1,1,2-Trichloroethane	9.53	97	1501335	10.400	ppbv	99
48) Dibromochloromethane	10.36	129	2525803	11.496	ppbv	100
49) Bromoform	13.10	173	2228050	11.951	ppbv	100
50) 4-Methyl-2-Pentanone	8.79	43	2327071	11.288	ppbv	99
51) 2-Hexanone	10.18	43	1980704	11.925	ppbv	99
52) Tetrachloroethene	11.28	164	1430286	10.696	ppbv	99
53) Toluene	9.86	91	3862125	11.779	ppbv	99
54) 1,2-Dibromoethane	10.66	107	2349443	10.869	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.18	131	1947438	10.485	ppbv	99
57) Chlorobenzene	12.20	112	3285257	9.819	ppbv	99
58) Ethyl Benzene	12.77	91	5043759	11.345	ppbv	99
59) m/p-Xylene	13.06	91	8423371m	21.695	ppbv	
60) o-Xylene	13.75	91	4265587	10.861	ppbv	99
61) Styrene	13.59	104	3322638	12.235	ppbv	99
62) Isopropylbenzene	14.73	105	6364590	10.447	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.74	83	3147270	9.772	ppbv	100
64) n-propylbenzene	15.62	120	1971703	11.059	ppbv	98
65) tert-Butylbenzene	16.81	119	5917808	10.684	ppbv	100
66) Benzyl Chloride	17.05	91	2292822	13.663	ppbv	100
67) sec-Butylbenzene	17.36	105	7962816	10.411	ppbv	100
69) p-Isopropyltoluene	17.72	119	6776353	10.890	ppbv	100
70) n-Butylbenzene	18.62	91	6880652	10.738	ppbv	99
71) 2-Chlorotoluene	15.52	91	4953385	11.147	ppbv	100
72) 4-Ethyltoluene	15.90	105	5271748	11.331	ppbv	99
73) 1,3,5-Trimethylbenzene	16.06	105	4911528	11.171	ppbv	98
74) 1,2,4-Trimethylbenzene	16.83	105	5151533	10.394	ppbv	97
75) 1,3-Dichlorobenzene	17.06	146	3400112	10.048	ppbv	99
76) 1,4-Dichlorobenzene	17.20	146	3411794	10.548	ppbv	100
77) 1,2-Dichlorobenzene	17.88	146	3296875	10.315	ppbv	100
78) Hexachloro-1,3-Butadiene	23.45	225	1884211	10.686	ppbv	99
79) Naphthalene	22.28	128	5340010	11.296	ppbv	98
80) Naphthalene, 2-methyl-	25.03	142	1944116	17.435	ppbv	99
81) 1,2,4-Trichlorobenzene	22.01	180	2670387	10.900	ppbv	100

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



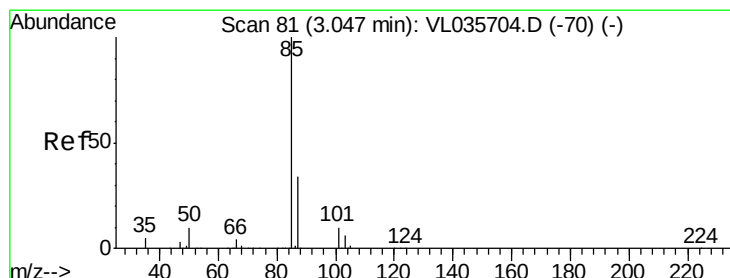
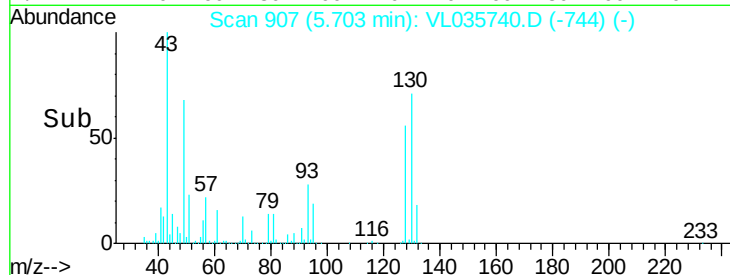
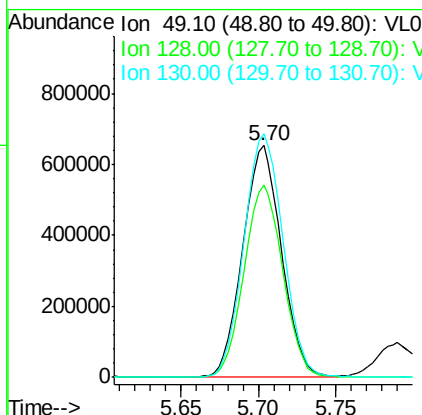
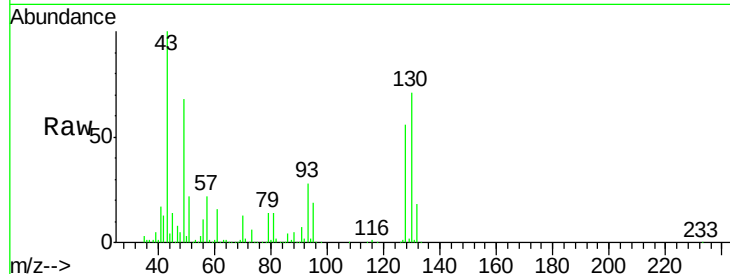
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.70 min Scan# 907
 Delta R.T. 0.02 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Instrument :
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 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 49 Resp: 1140167
 Ion Ratio Lower Upper
 49 100
 128 83.3 43.1 129.4
 130 106.8 54.9 164.7

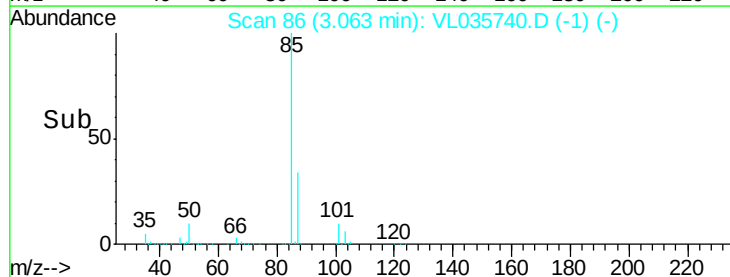
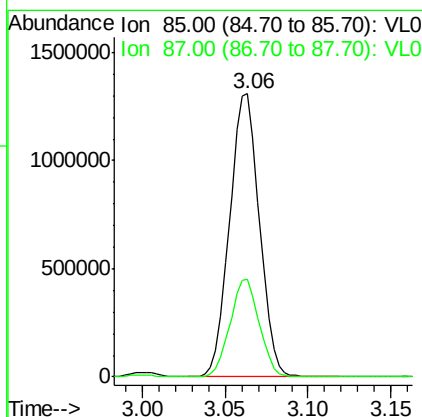
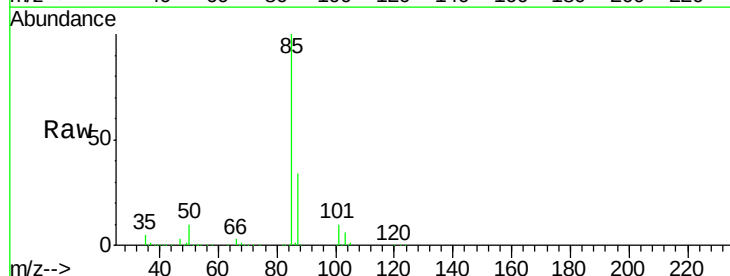
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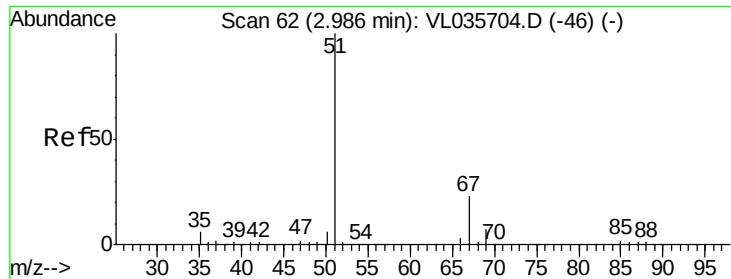
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#2
 Dichlorodifluoromethane
 Concen: 8.750 ppbv
 RT: 3.06 min Scan# 86
 Delta R.T. 0.02 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion: 85 Resp: 1636979
 Ion Ratio Lower Upper
 85 100
 87 34.4 27.3 40.9





#3

Chlorodifluoromethane

Concen: 9.807 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.01 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Tot Ion: 51 Resp: 1202934

Ion Ratio Lower Upper

51 100

67 22.2 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

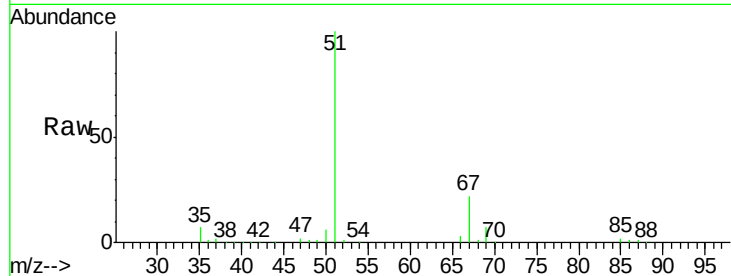
VSTDCCC010EC

Manual Integrations

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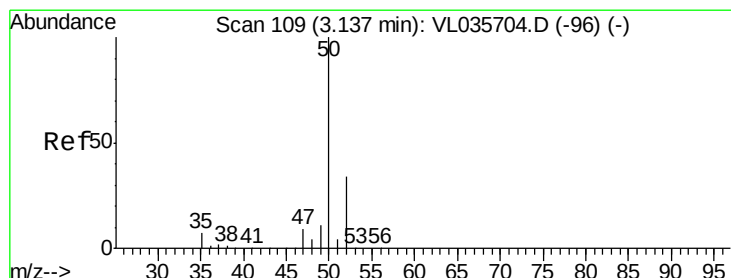
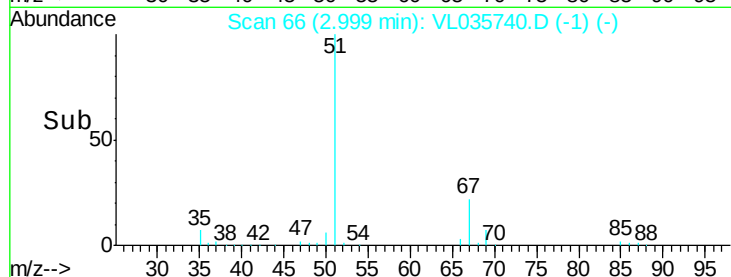
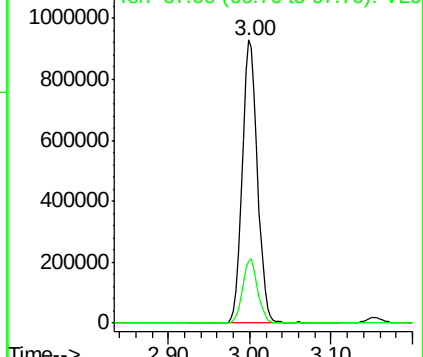
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.072 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.02 min

Lab File: VL035740.D

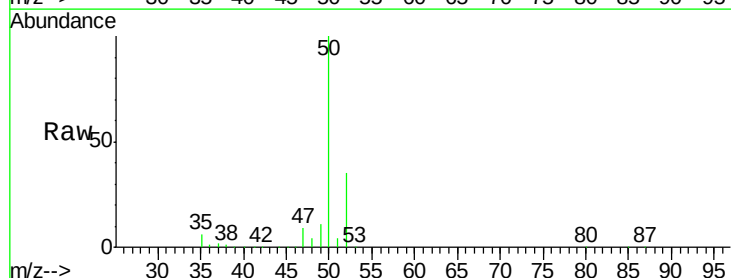
Acq: 30 Sep 2020 1:31

Tgt Ion: 50 Resp: 663657

Ion Ratio Lower Upper

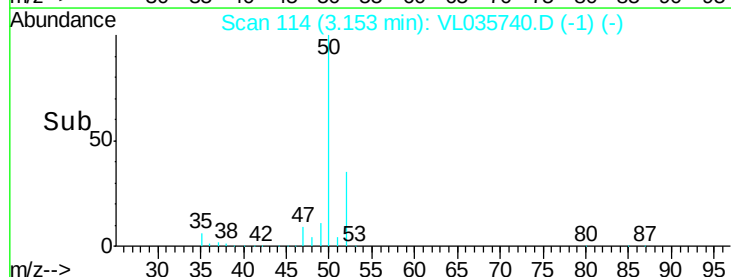
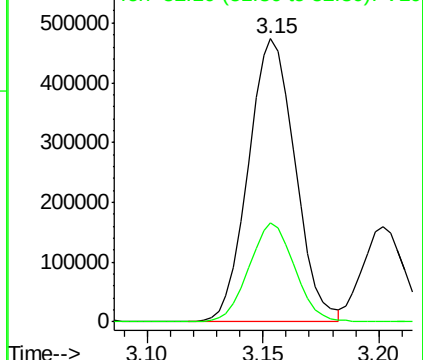
50 100

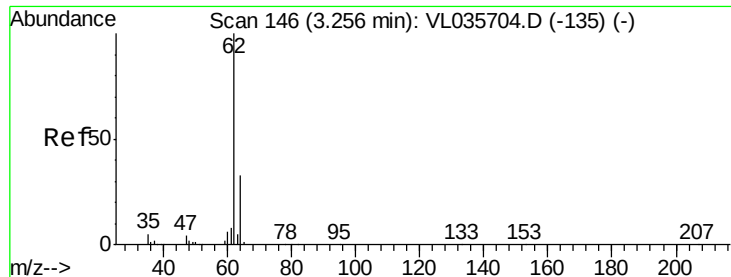
52 35.1 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 9.966 ppbv

RT: 3.27 min Scan# 151

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 776780

Ion Ratio Lower Upper

62 100

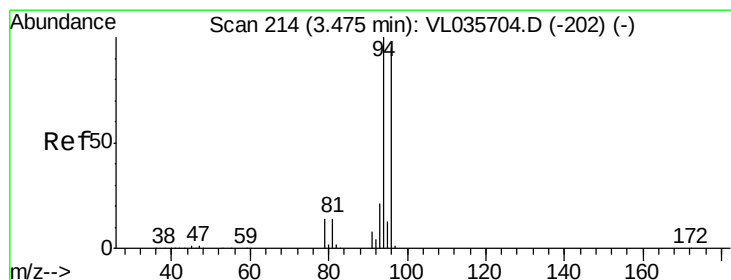
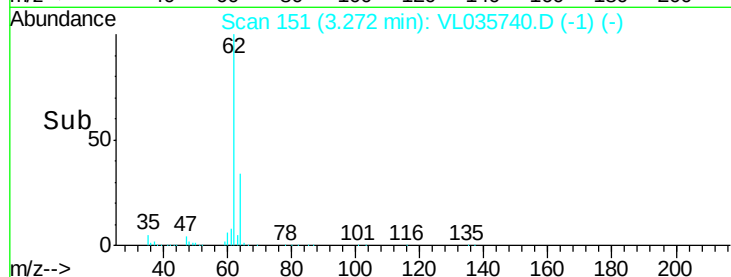
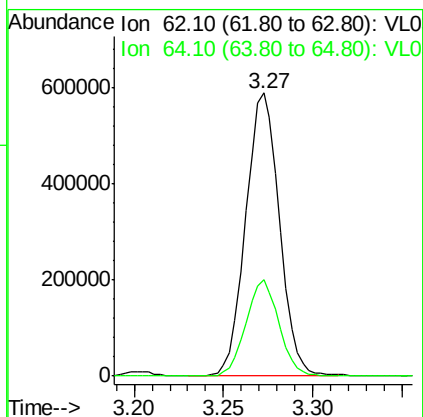
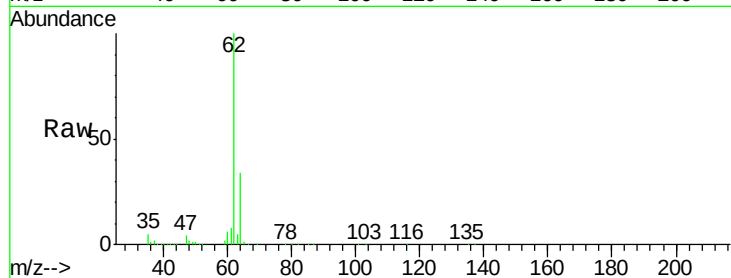
64 33.9 26.8 40.2

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#6

Bromomethane

Concen: 9.790 ppbv

RT: 3.49 min Scan# 219

Delta R.T. 0.02 min

Lab File: VL035740.D

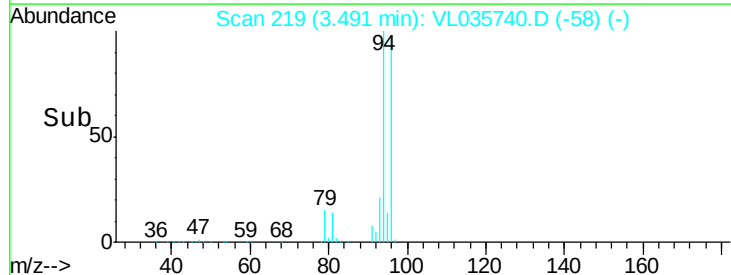
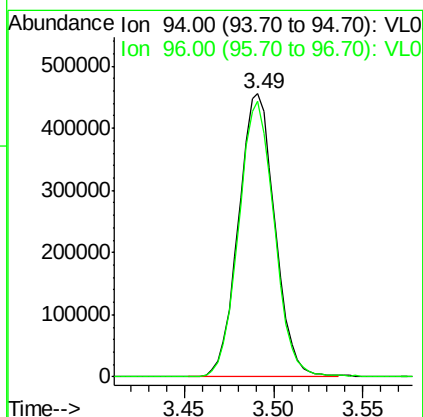
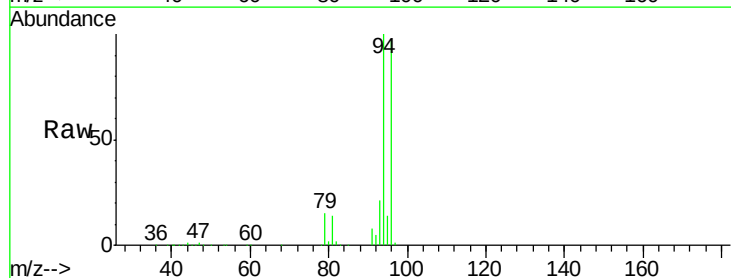
Acq: 30 Sep 2020 1:31

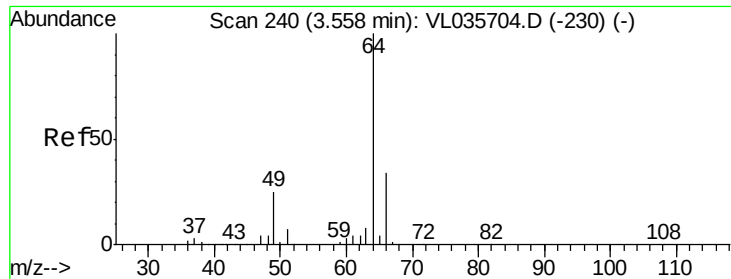
Tgt Ion: 94 Resp: 644991

Ion Ratio Lower Upper

94 100

96 97.3 76.3 114.5





#7

Chloroethane

Concen: 9.922 ppbv

RT: 3.57 min Scan# 245

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 283616

Ion Ratio Lower Upper

64 100

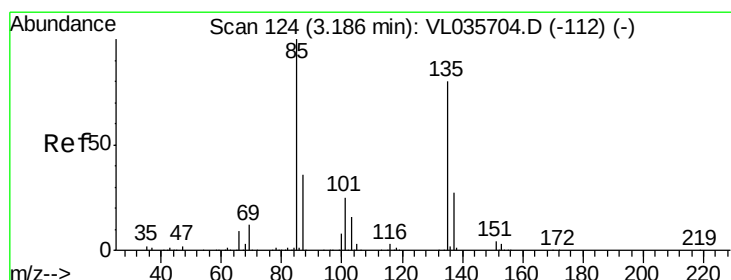
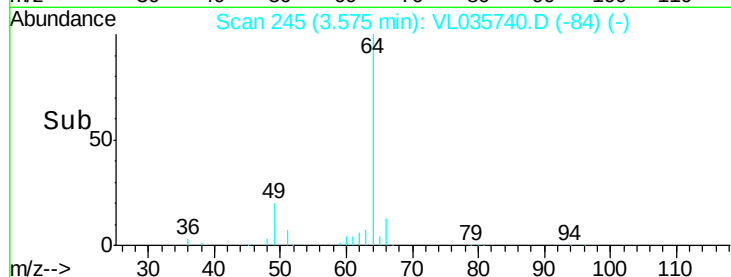
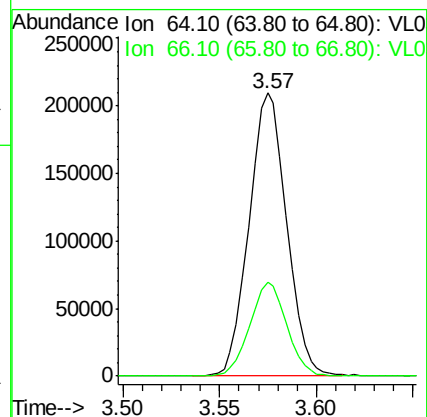
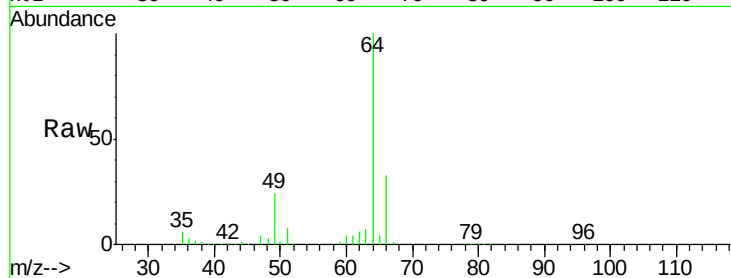
66 33.4 26.9 40.3

Manual Integrations

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#8

Dichlorotetrafluoroethane

Concen: 9.521 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.02 min

Lab File: VL035740.D

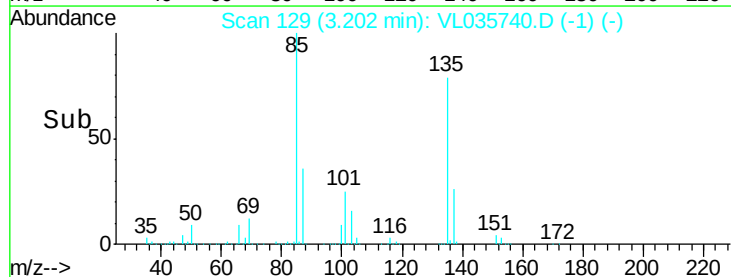
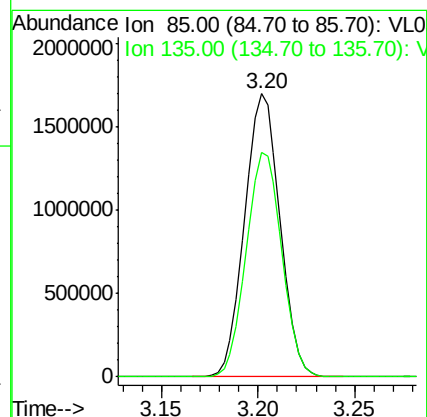
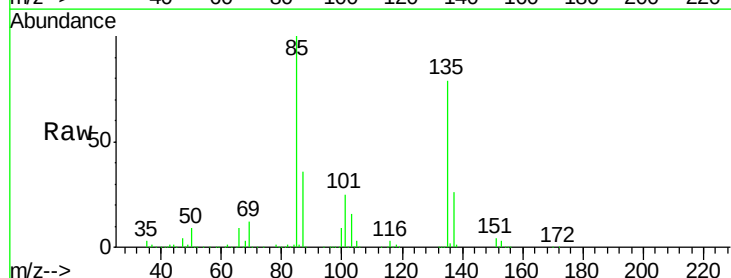
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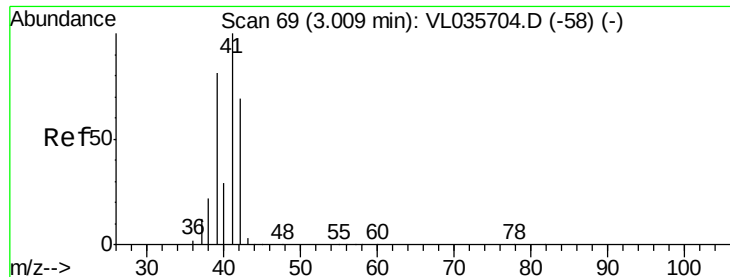
Tgt Ion: 85 Resp: 2160363

Ion Ratio Lower Upper

85 100

135 80.1 64.3 96.5





#9

Propene

Concen: 10.444 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 41 Resp: 465144

Ion Ratio Lower Upper

41 100

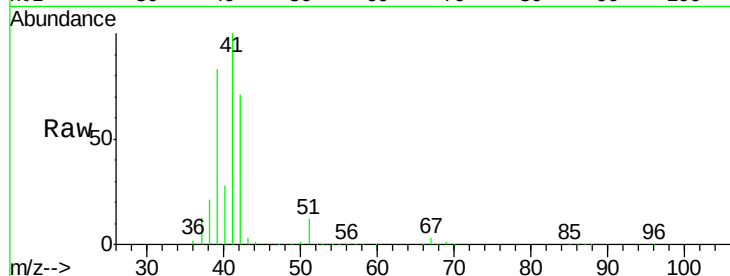
42 70.0 56.2 84.4

Manual Integrations

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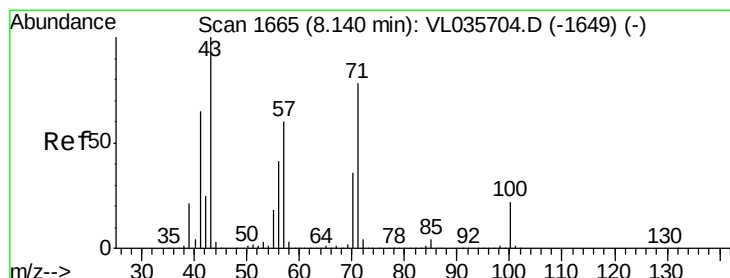
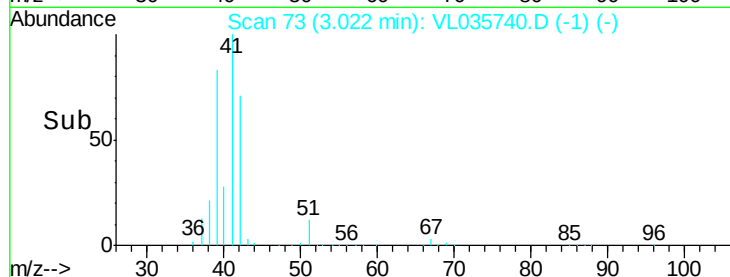
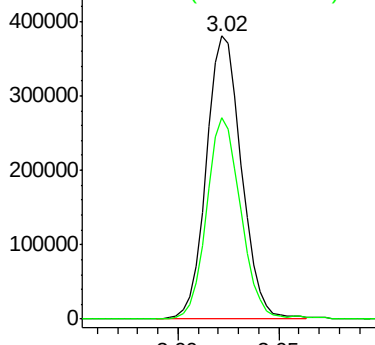
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 11.351 ppbv

RT: 8.17 min Scan# 1674

Delta R.T. 0.03 min

Lab File: VL035740.D

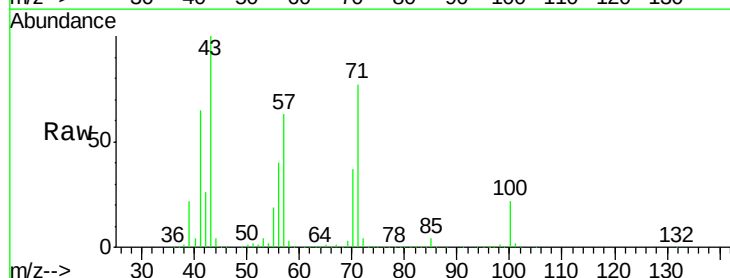
Acq: 30 Sep 2020 1:31

Tgt Ion: 43 Resp: 1409294

Ion Ratio Lower Upper

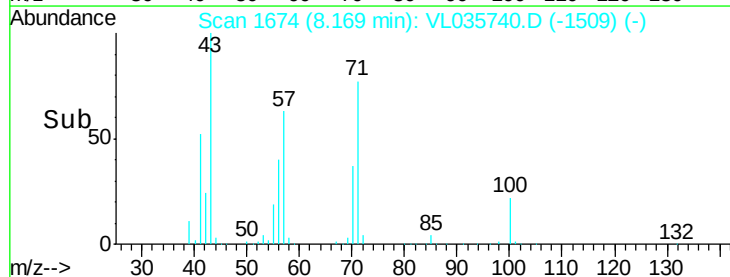
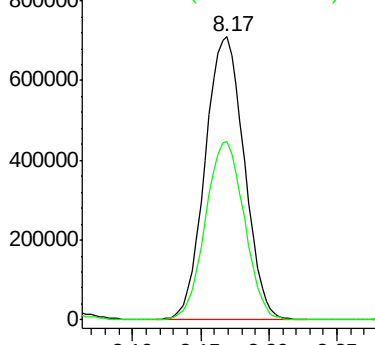
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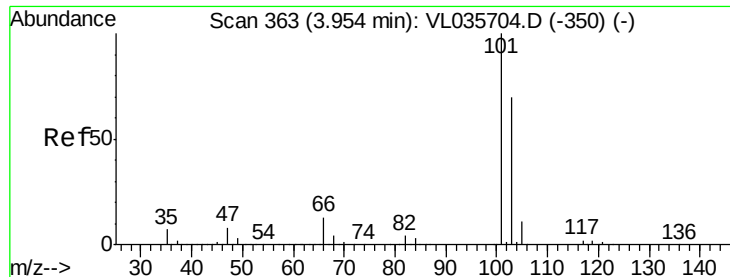
57 62.6 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





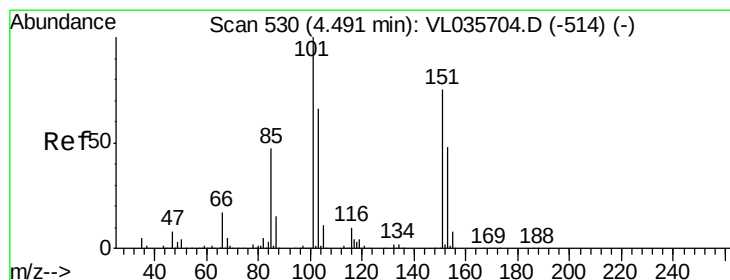
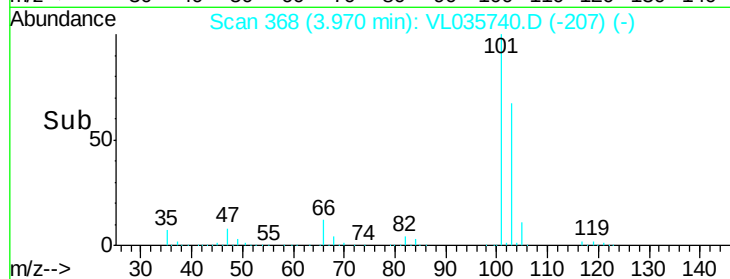
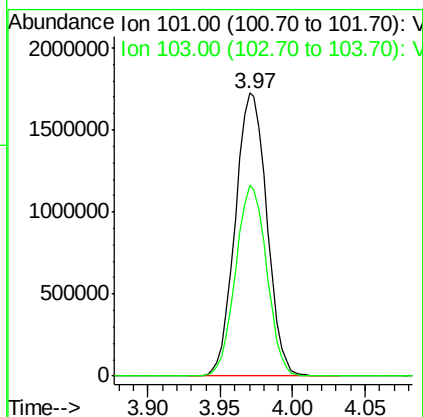
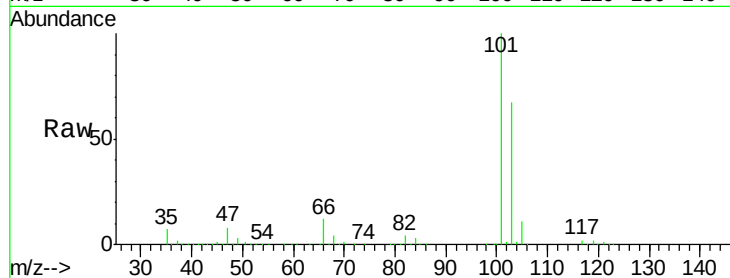
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 Trichlorofluoromethane
 Concen: 9.787 ppbv
 RT: 3.97 min Scan# 368
 Delta R.T. 0.02 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:101 Resp: 2612413
 Ion Ratio Lower Upper
 101 100
 103 67.4 55.6 83.4

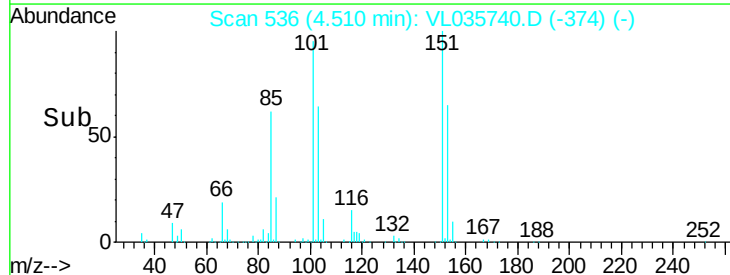
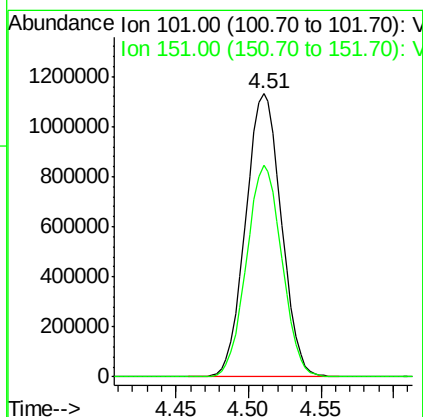
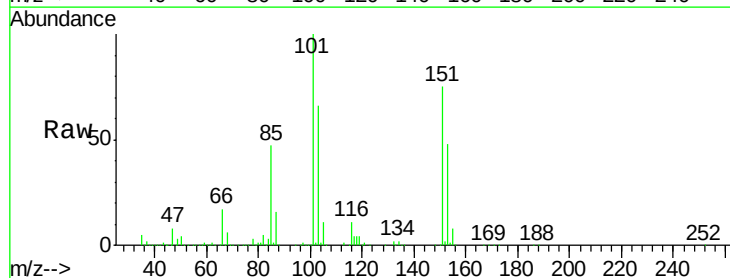
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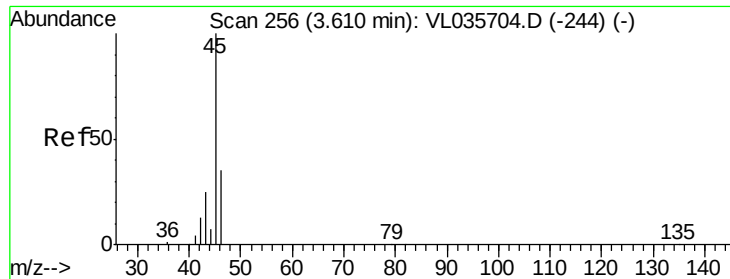
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.763 ppbv
 RT: 4.51 min Scan# 536
 Delta R.T. 0.02 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion:101 Resp: 1942799
 Ion Ratio Lower Upper
 101 100
 151 74.4 59.1 88.7





#13

Ethanol

Concen: 10.580 ppbv m

RT: 3.63 min Scan# 261

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 116200

Ion Ratio Lower Upper

45 100

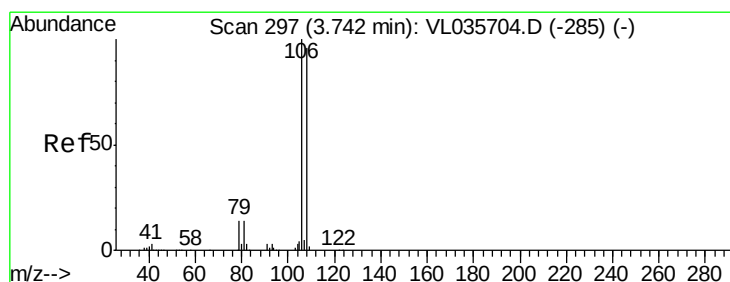
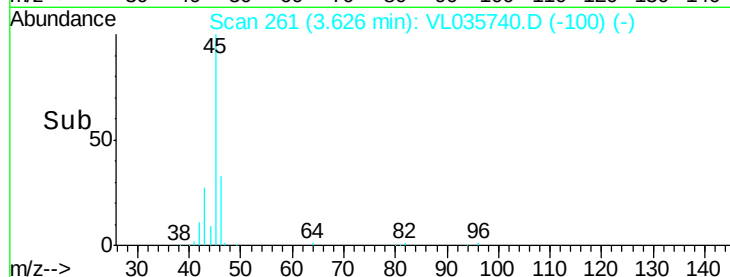
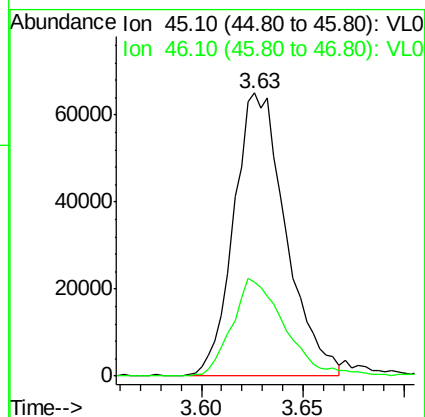
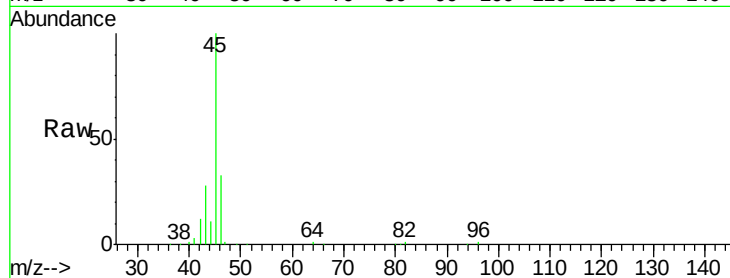
46 35.7 14.7 58.7

Manual Integrations

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#14

Bromoethene

Concen: 10.175 ppbv

RT: 3.76 min Scan# 302

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

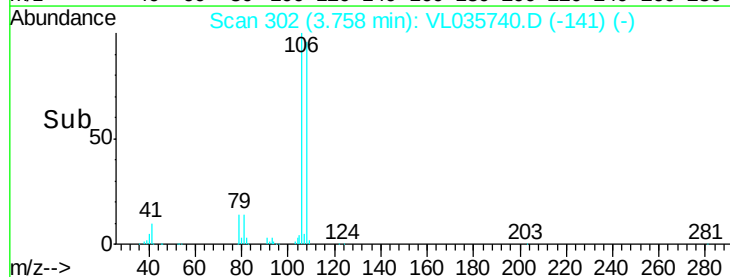
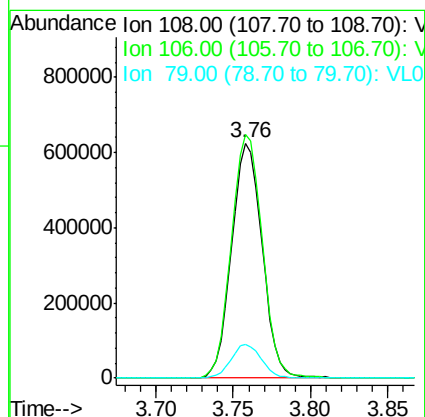
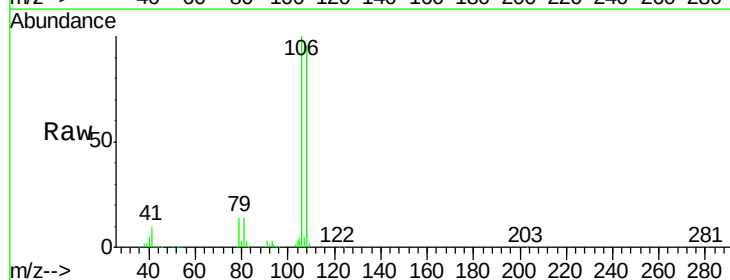
Tgt Ion: 108 Resp: 852886

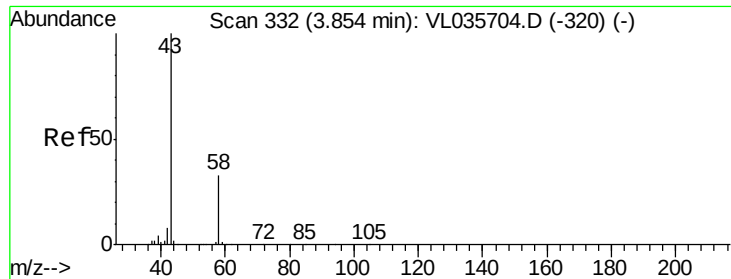
Ion Ratio Lower Upper

108 100

106 105.2 84.6 126.8

79 14.7 11.6 17.4





#15

Acetone

Concen: 8.924 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 1094835

Ion Ratio Lower Upper

43 100

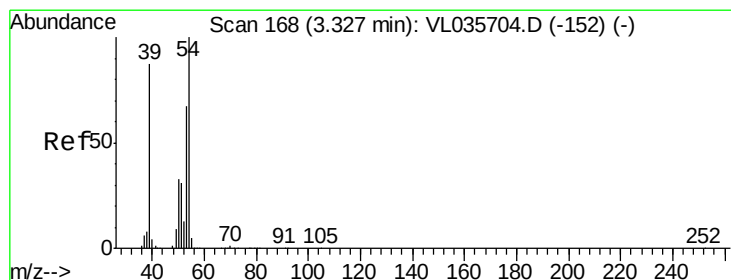
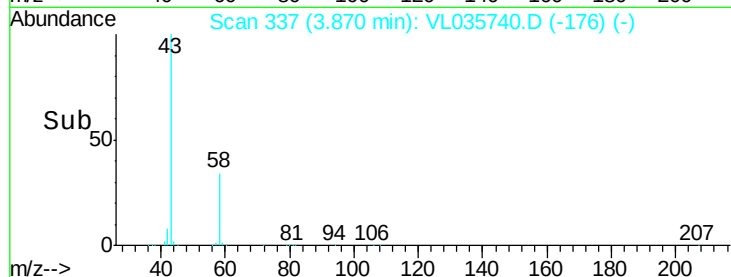
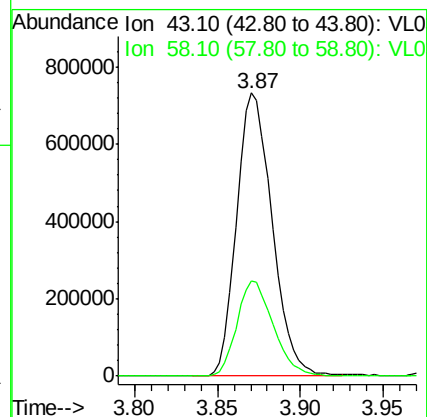
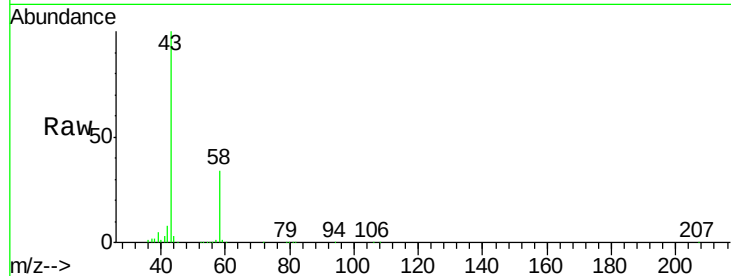
58 34.5 27.3 40.9

Manual Integrations

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#16

1,3-Butadiene

Concen: 10.930 ppbv

RT: 3.34 min Scan# 173

Delta R.T. 0.02 min

Lab File: VL035740.D

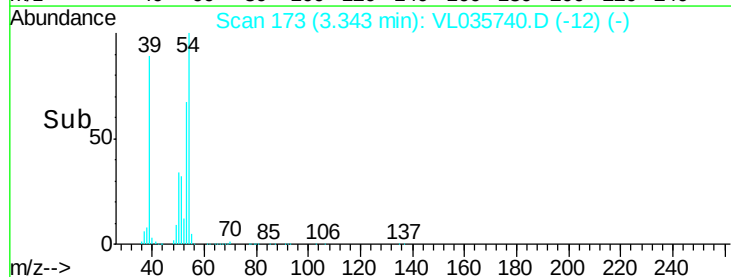
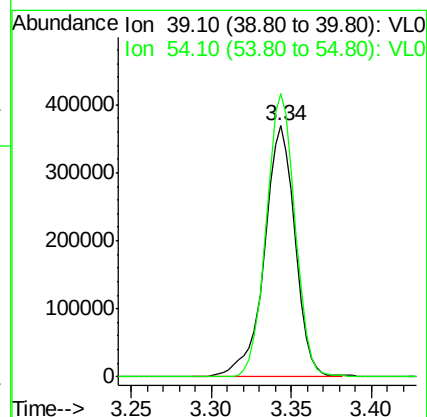
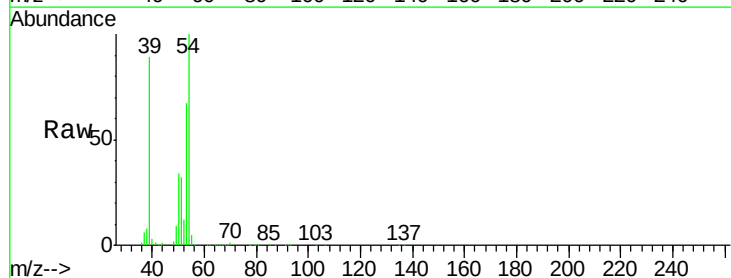
Acq: 30 Sep 2020 1:31

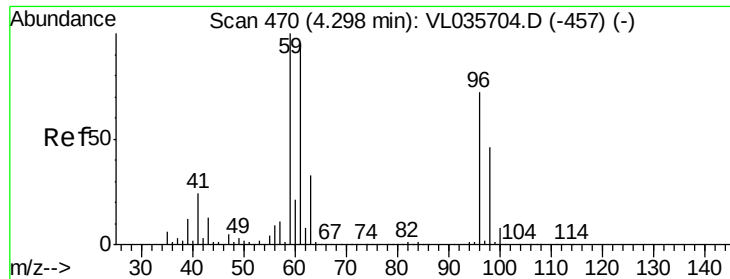
Tgt Ion: 39 Resp: 490586

Ion Ratio Lower Upper

39 100

54 106.4 87.4 131.0





#17

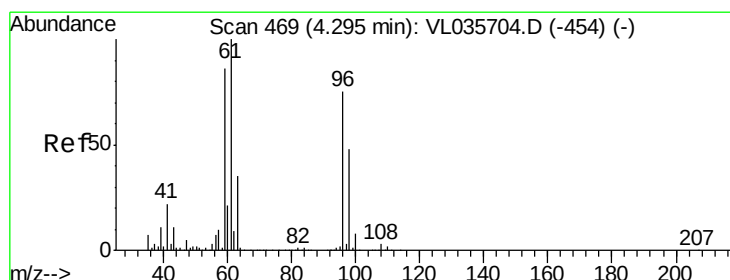
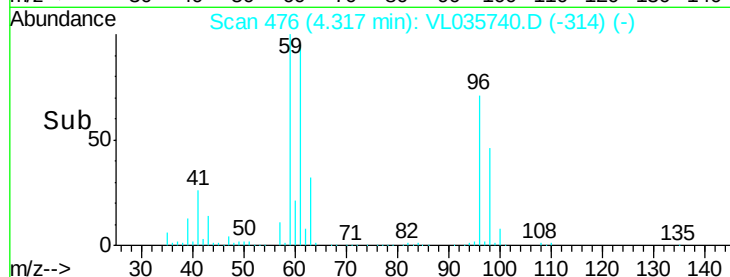
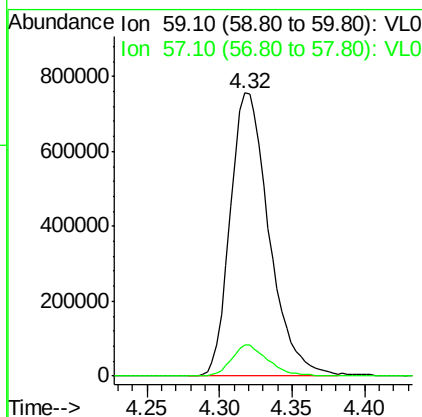
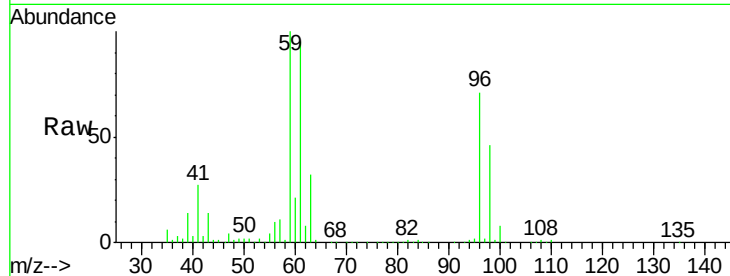
tert-Butyl alcohol
Concen: 10.539 ppbv
RT: 4.32 min Scan# 476
Delta R.T. 0.02 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 59 Resp: 1408458
Ion Ratio Lower Upper
59 100
57 10.6 8.5 12.7

Manual Integrations
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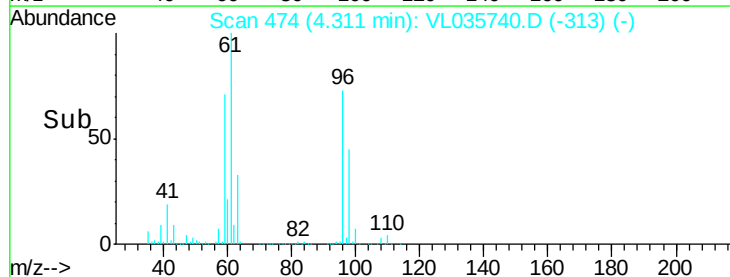
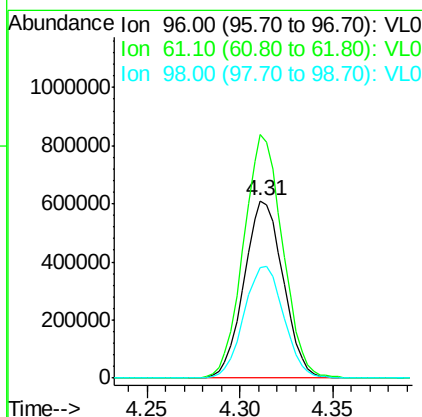
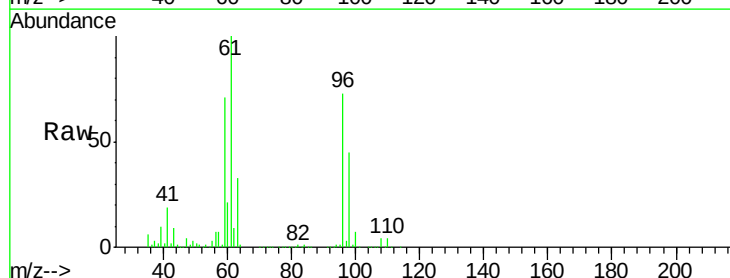
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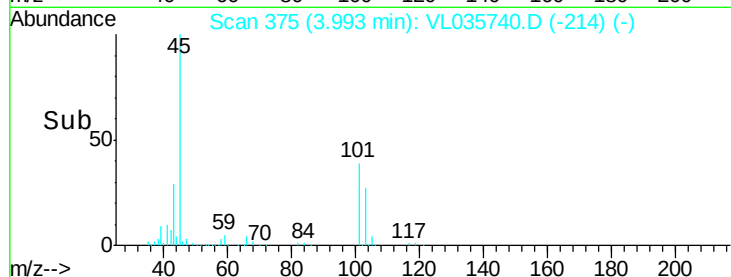
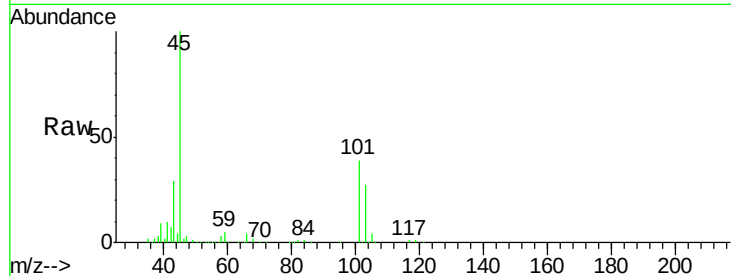
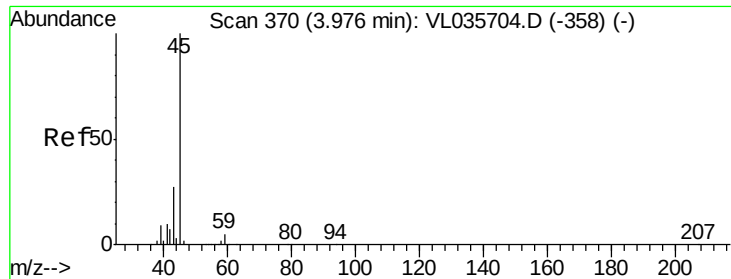


#18

1,1-Dichloroethene
Concen: 10.265 ppbv
RT: 4.31 min Scan# 474
Delta R.T. 0.02 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion: 96 Resp: 894303
Ion Ratio Lower Upper
96 100
61 137.3 106.7 160.1
98 62.0 50.8 76.2





#19

Isopropyl Alcohol

Concen: 11.084 ppbv

RT: 3.99 min Scan# 375

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Tot Ion: 45 Resp: 739734

Ion Ratio Lower Upper

45 100

58 3.6 2.8 4.2

Instrument :

MSVOA_L

ClientSampleId :

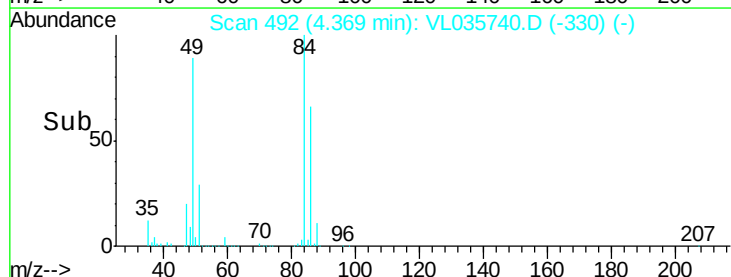
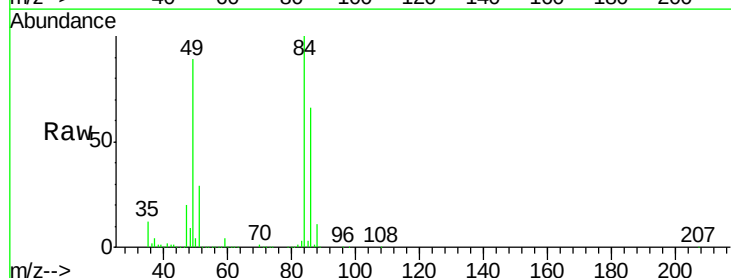
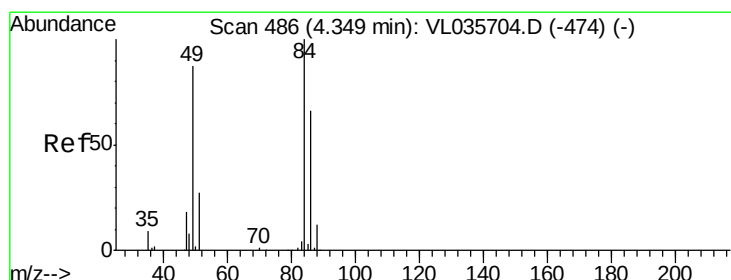
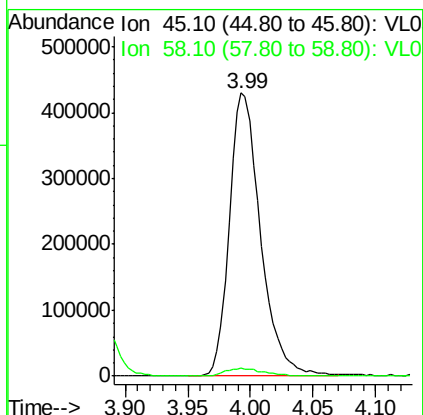
VSTDCCC010EC

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#20

Methylene Chloride

Concen: 8.303 ppbv

RT: 4.37 min Scan# 492

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Tgt Ion: 84 Resp: 748257

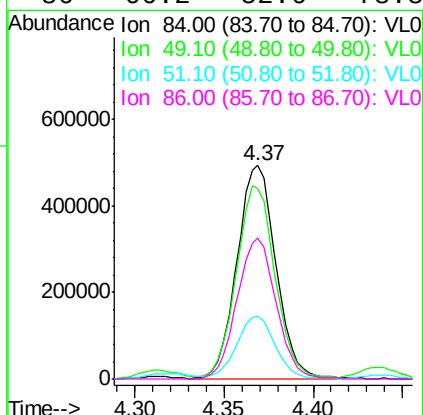
Ion Ratio Lower Upper

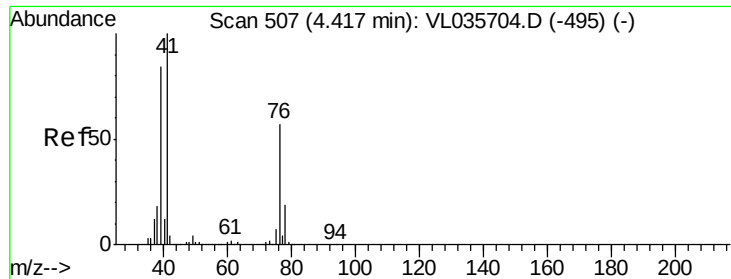
84 100

49 88.5 69.8 104.6

51 29.0 21.8 32.8

86 66.2 52.6 78.8





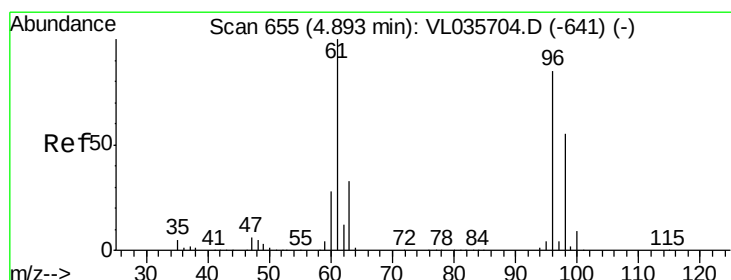
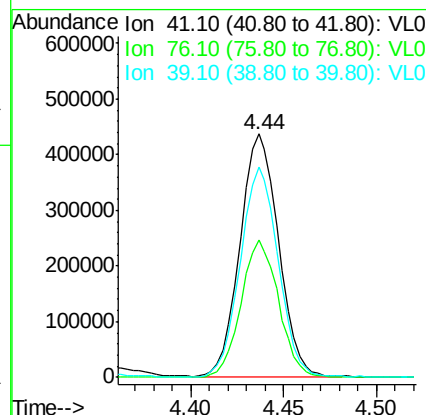
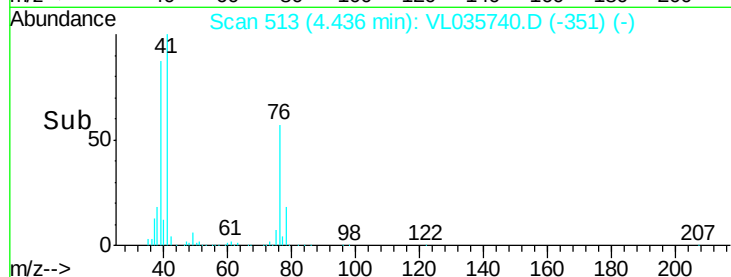
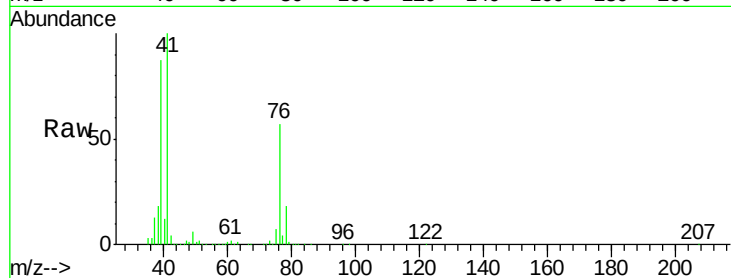
#21
Allvl Chloride
Concen: 10.546 ppbv
RT: 4.44 min Scan# 513
Delta R.T. 0.02 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	55.6	44.8	67.2
39	86.6	68.4	102.6

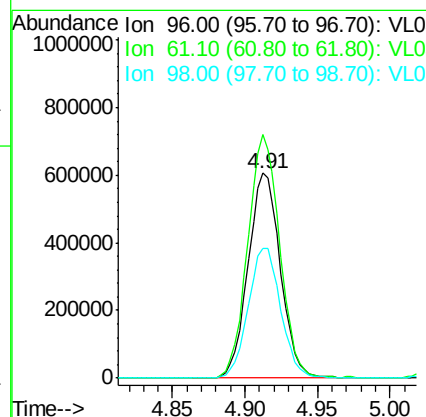
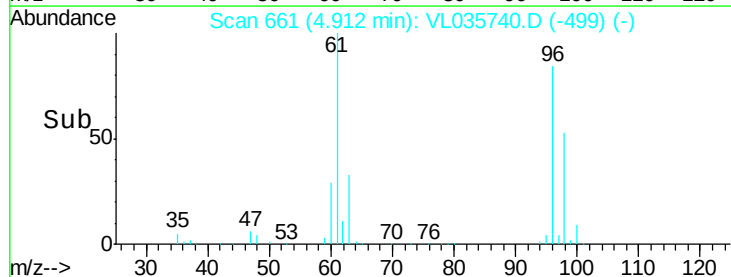
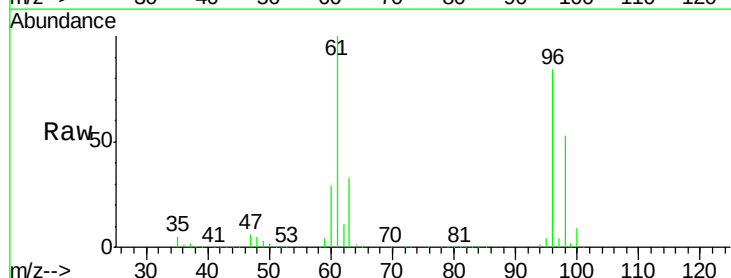
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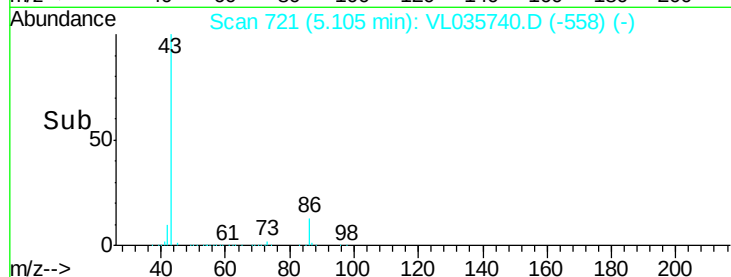
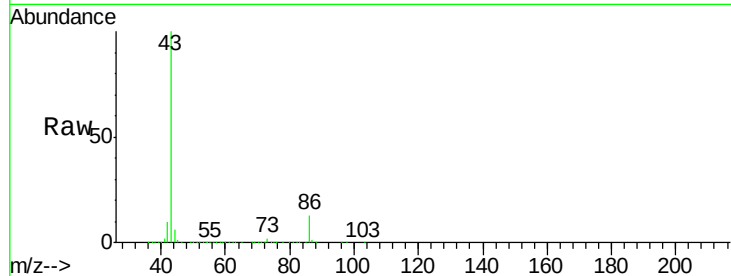
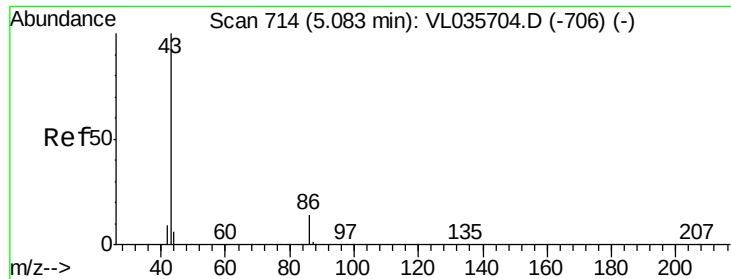
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#22
trans-1,2-Dichloroethene
Concen: 10.230 ppbv
RT: 4.91 min Scan# 661
Delta R.T. 0.02 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion	Ratio	Lower	Upper
96	100		
61	118.8	93.7	140.5
98	63.3	51.2	76.8





#23

Vinyl Acetate

Concen: 10.918 ppbv

RT: 5.11 min Scan# 721

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Tot Ion: 43 Resp: 1640678

Ion Ratio Lower Upper

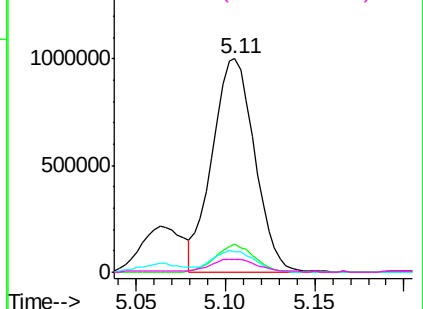
43 100

86 13.1 9.7 14.5

42 9.8 7.9 11.9

44 6.0 4.8 7.2

Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 86.10 (85.80 to 86.80): VL0
Ion 42.10 (41.80 to 42.80): VL0
Ion 44.10 (43.80 to 44.80): VL0



Instrument :

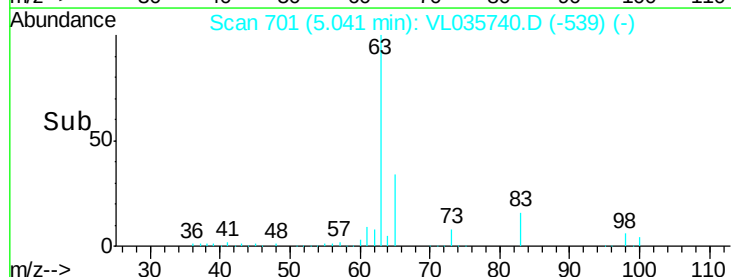
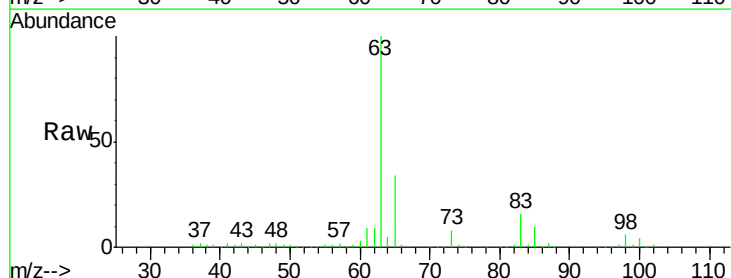
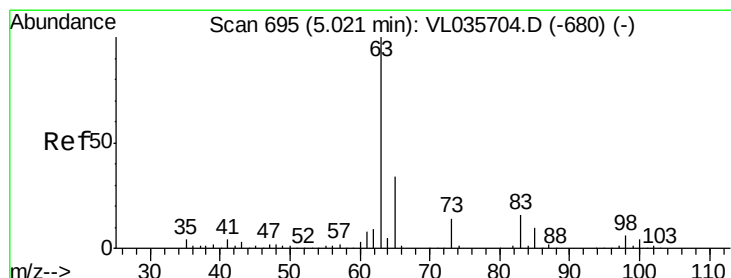
MSVOA_L

ClientSampleId :

VSTDCCC010EC

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#24

1,1-Dichloroethane

Concen: 9.991 ppbv

RT: 5.04 min Scan# 701

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Tgt Ion: 63 Resp: 1635346

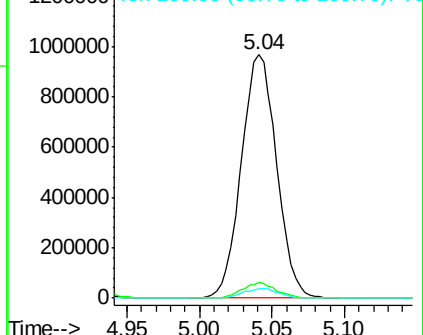
Ion Ratio Lower Upper

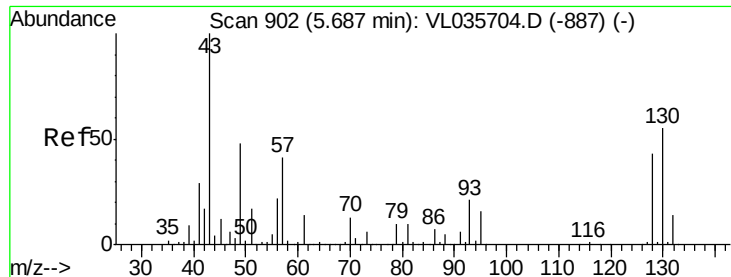
63 100

98 6.4 3.3 9.8

100 3.9 2.0 5.8

Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0





#25
Ethyl Acetate
Concen: 10.324 ppbv
RT: 5.71 min Scan# 910
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

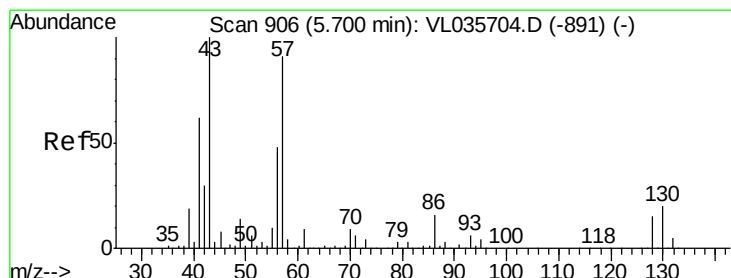
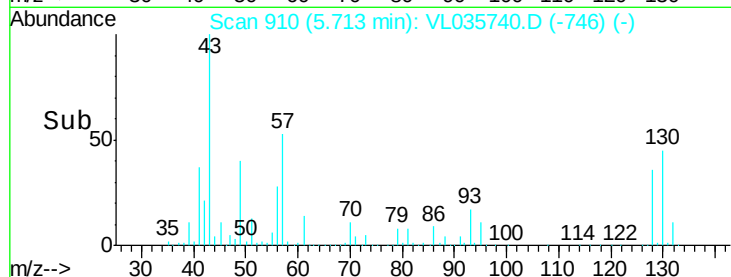
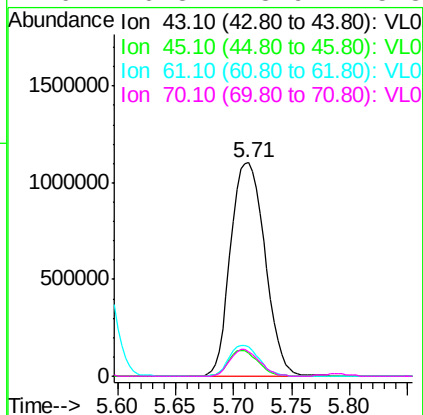
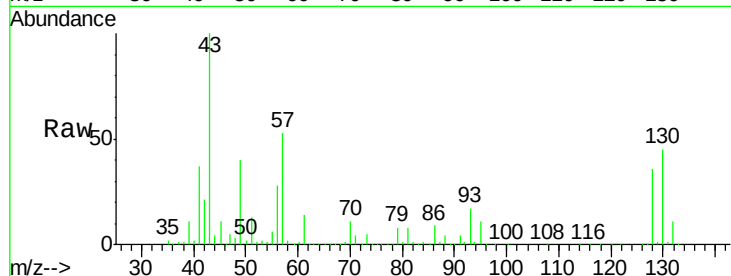
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 2279145

Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.6	12.8
61	12.7	10.4	15.6
70	10.8	8.9	13.3

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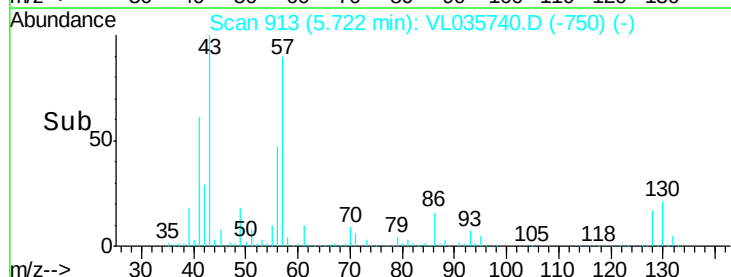
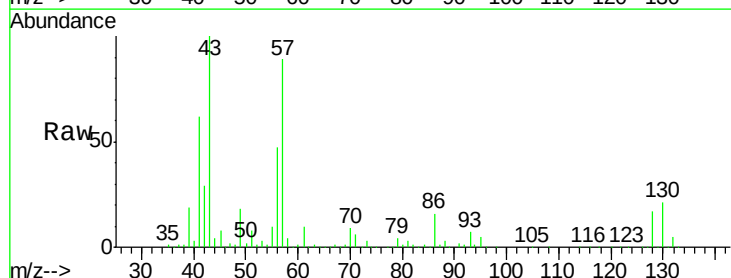
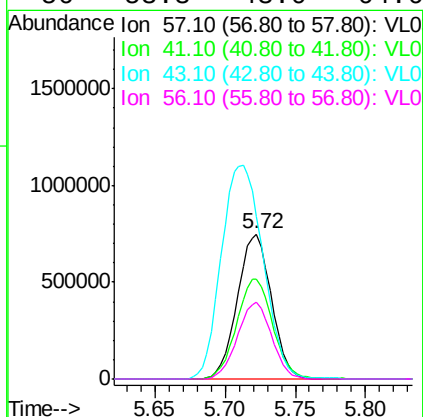
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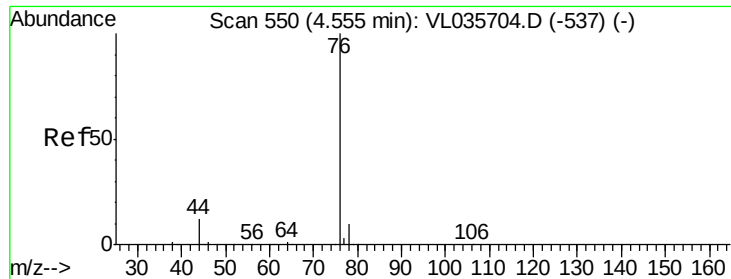


#26
Hexane
Concen: 10.464 ppbv
RT: 5.72 min Scan# 913
Delta R.T. 0.02 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion: 57 Resp: 1265793

Ion	Ratio	Lower	Upper
57	100		
41	73.6	57.9	86.9
43	180.5	143.8	215.6
56	53.3	43.0	64.6





#27

Carbon Disulfide

Concen: 10.919 ppbv

RT: 4.57 min Scan# 556

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1968739

Ion Ratio Lower Upper

76 100

44 11.7 9.7 14.5

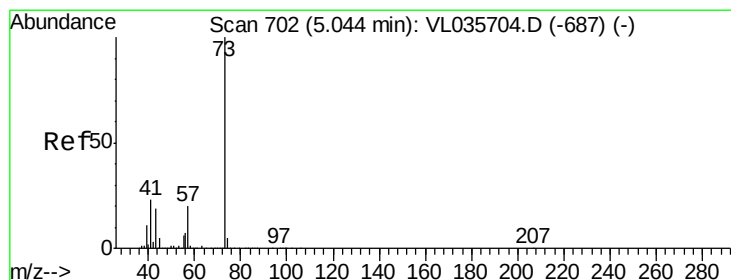
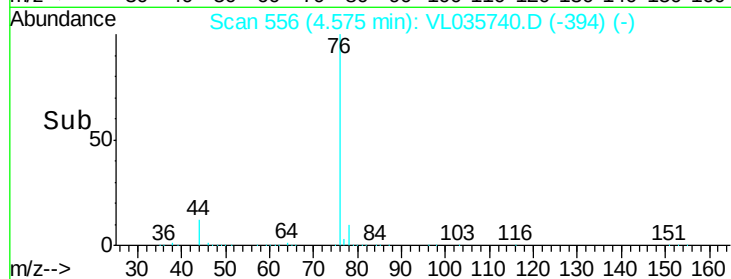
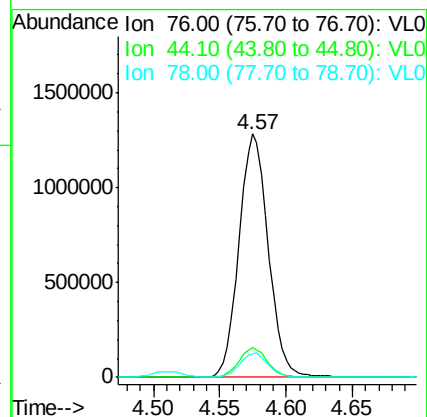
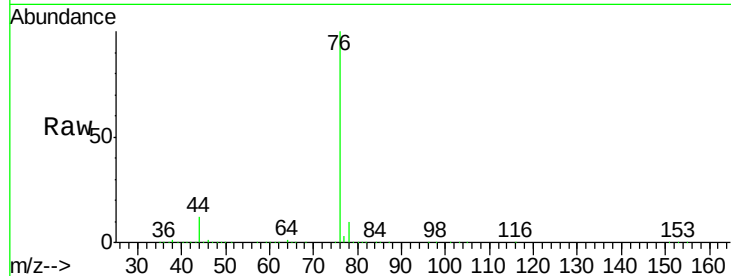
78 9.6 7.8 11.8

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 10.448 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.02 min

Lab File: VL035740.D

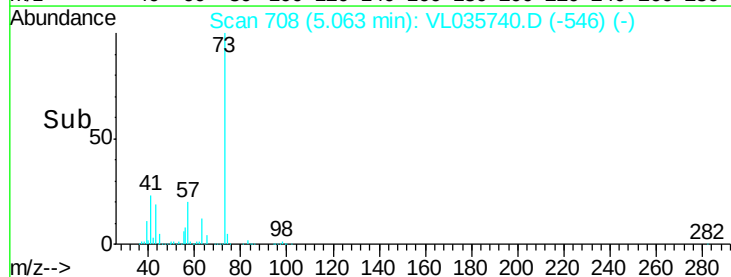
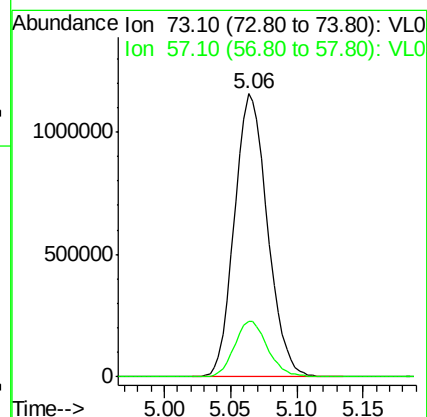
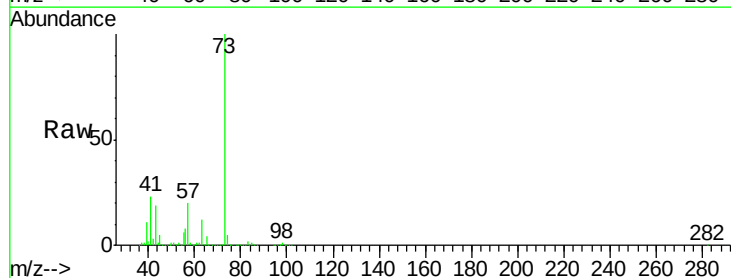
Acq: 30 Sep 2020 1:31

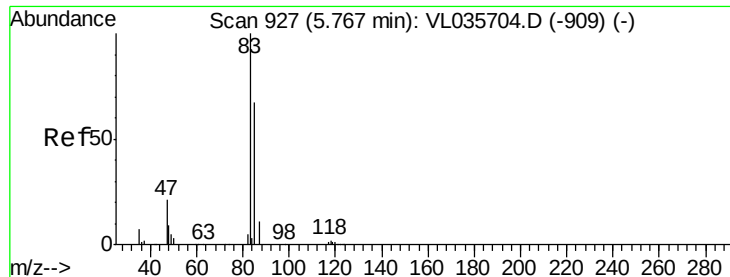
Tgt Ion: 73 Resp: 2003468

Ion Ratio Lower Upper

73 100

57 19.8 15.6 23.4





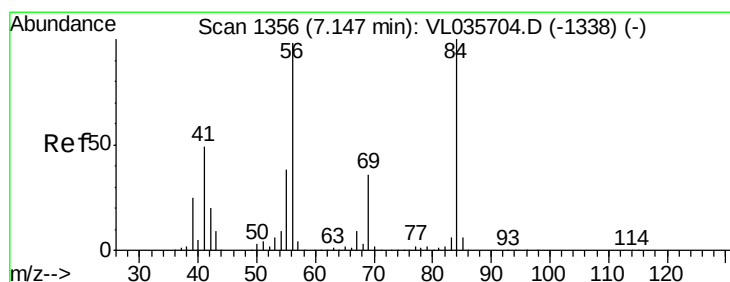
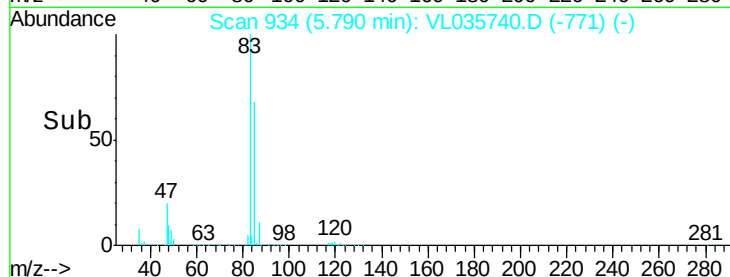
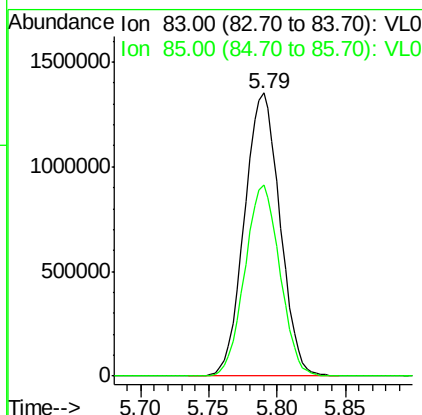
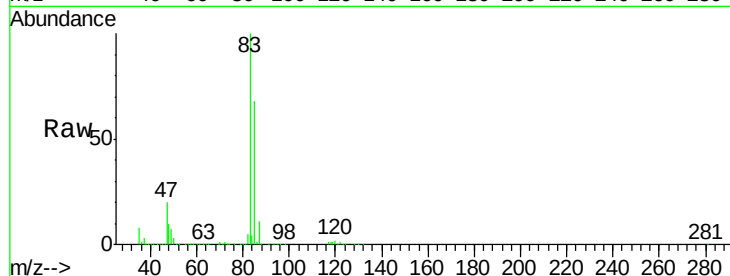
#29
Chloroform
Concen: 9.951 ppbv
RT: 5.79 min Scan# 934
Delta R.T. 0.02 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2444553
Ion Ratio Lower Upper
83 100
85 67.4 54.0 81.0

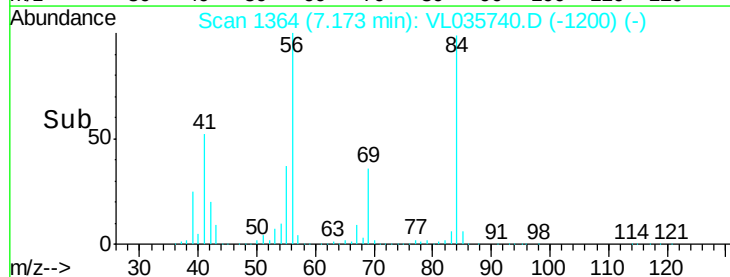
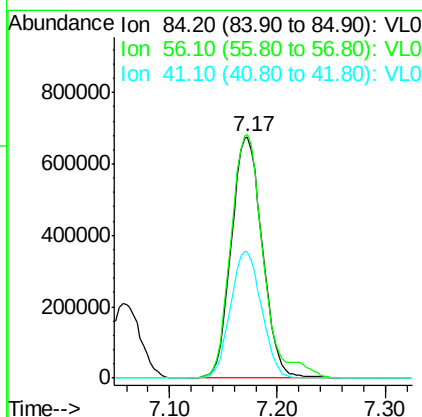
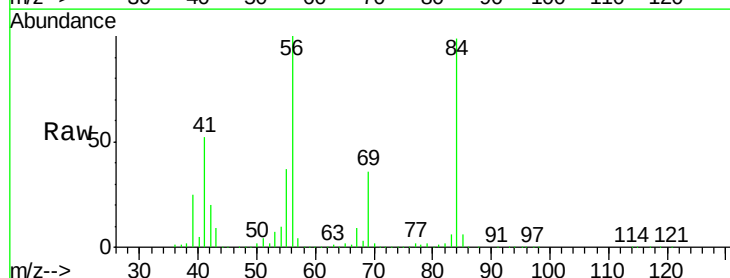
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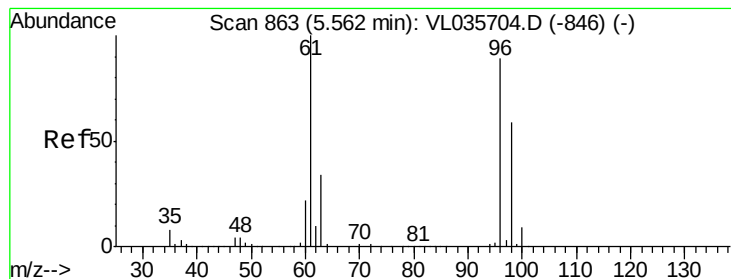
MMDadoda
9/30/2020 5:32:19 PM



#30
Cyclohexane
Concen: 11.296 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion: 84 Resp: 1348230
Ion Ratio Lower Upper
84 100
56 106.4 84.6 127.0
41 52.7 41.1 61.7





#31

cis-1,2-Dichloroethene

Concen: 11.111 ppbv

RT: 5.58 min Scan# 870

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 61 Resp: 1297459

Ion Ratio Lower Upper

61 100

96 86.8 71.4 107.2

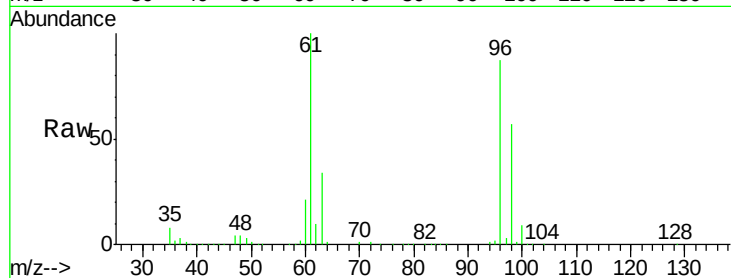
98 57.5 47.4 71.2

Manual Integrations

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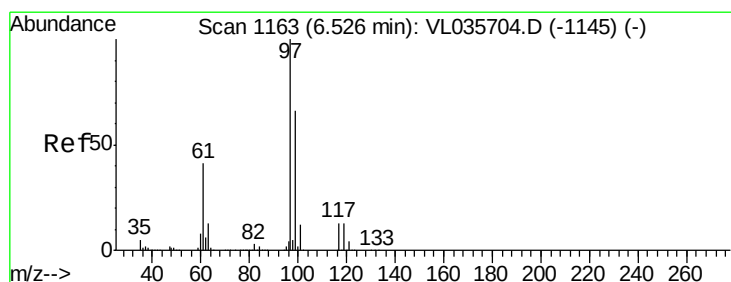
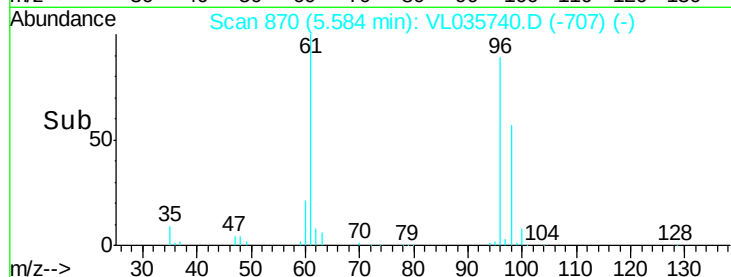
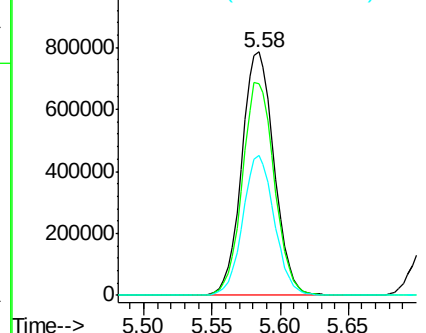
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Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 10.788 ppbv

RT: 6.55 min Scan# 1170

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

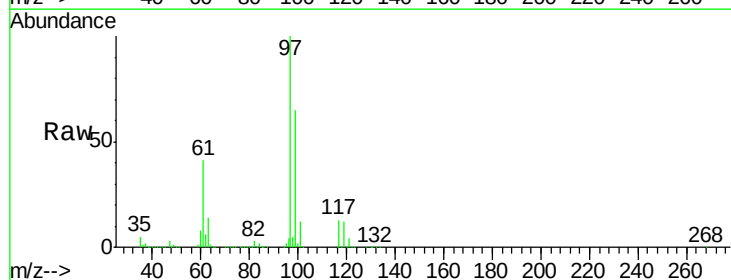
Tgt Ion: 97 Resp: 2336227

Ion Ratio Lower Upper

97 100

99 66.0 52.7 79.1

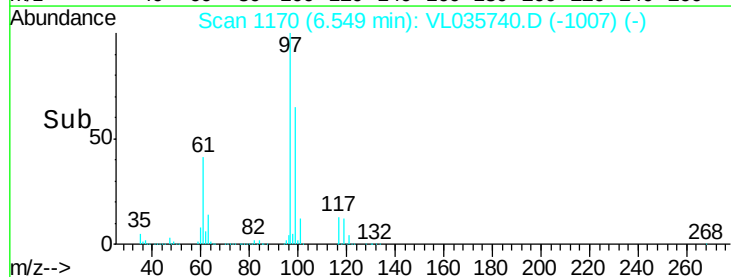
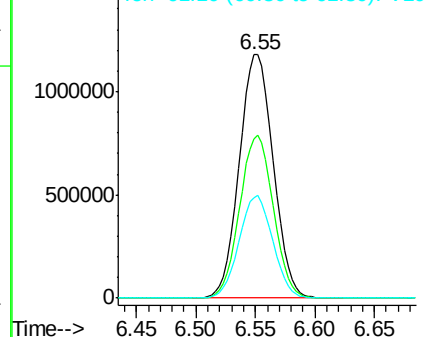
61 41.8 32.7 49.1

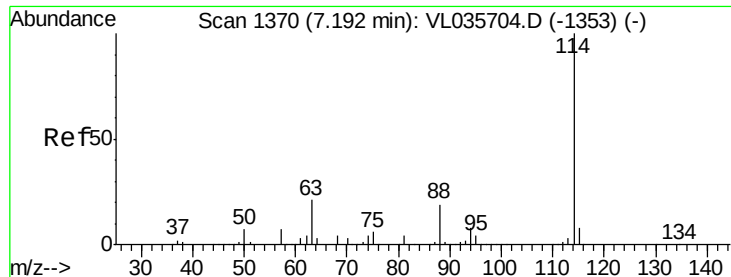


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0





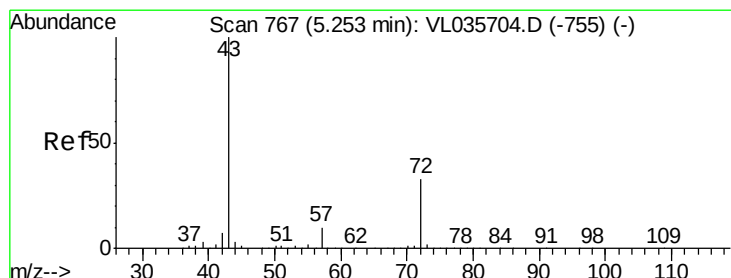
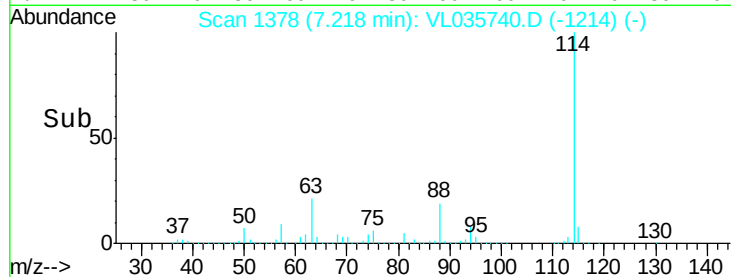
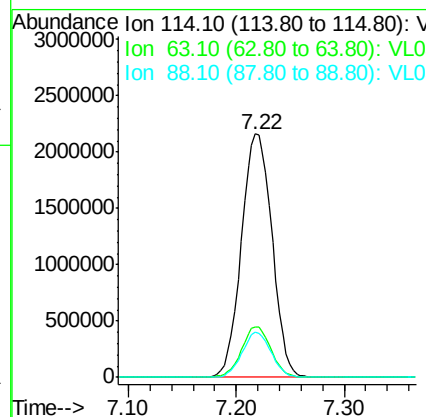
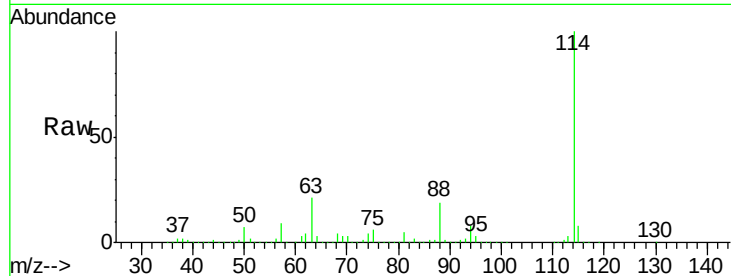
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.22 min Scan# 1378
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4267430
 Ion Ratio Lower Upper
 114 100
 63 20.3 16.1 24.1
 88 17.5 14.1 21.1

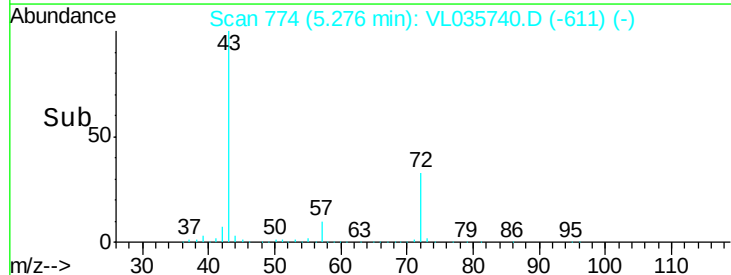
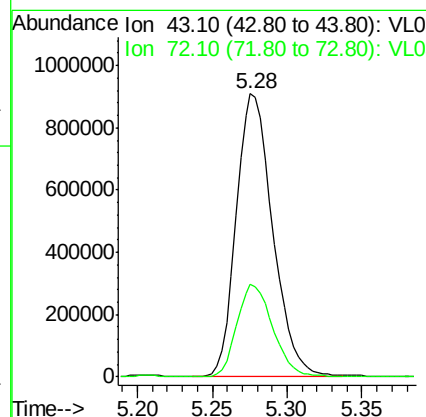
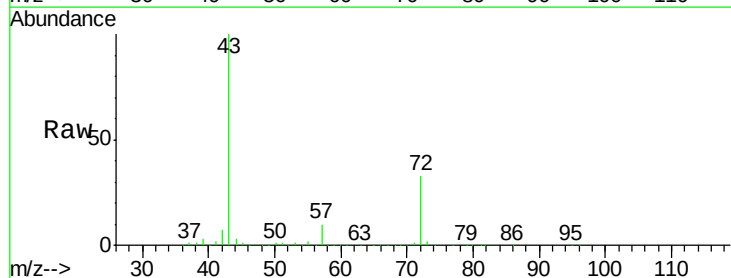
Manual Integrations
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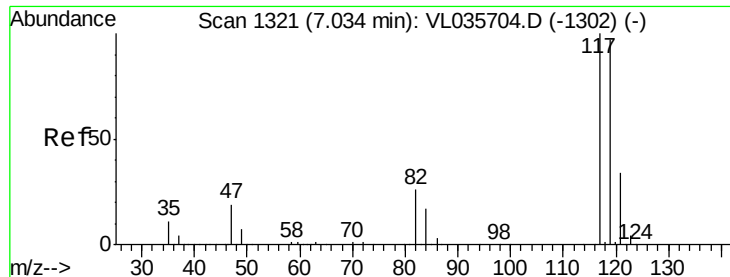
MMDadoda
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#34
 2-Butanone
 Concen: 10.914 ppbv
 RT: 5.28 min Scan# 774
 Delta R.T. 0.02 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion: 43 Resp: 1540552
 Ion Ratio Lower Upper
 43 100
 72 32.4 26.1 39.1





#35

Carbon Tetrachloride

Concen: 11.032 ppbv

RT: 7.06 min Scan# 1329

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2454555

Ion Ratio Lower Upper

117 100

119 96.3 77.7 116.5

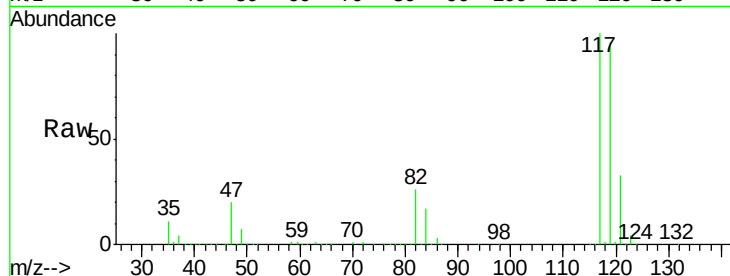
121 32.8 26.9 40.3

Manual Integrations

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MMDadoda

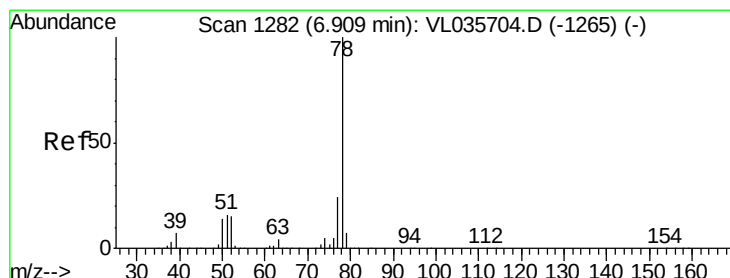
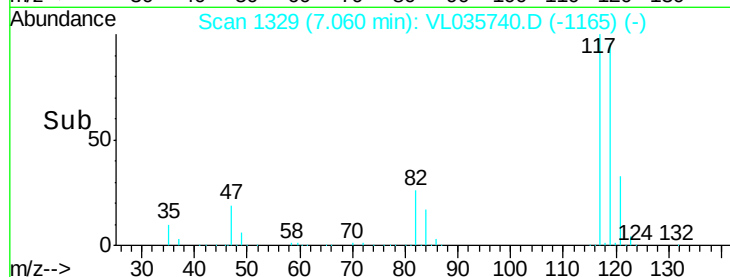
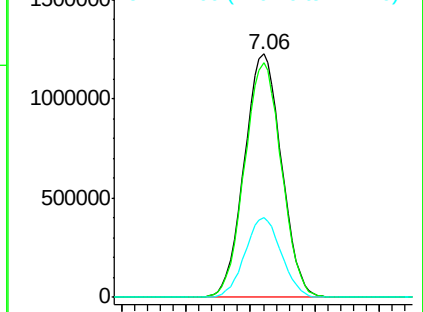
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 11.012 ppbv

RT: 6.93 min Scan# 1289

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

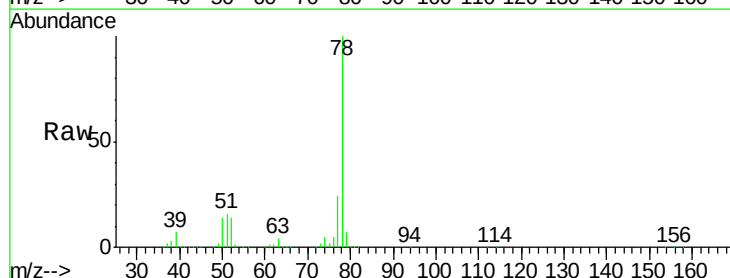
Tgt Ion: 78 Resp: 3061933

Ion Ratio Lower Upper

78 100

77 24.1 19.3 28.9

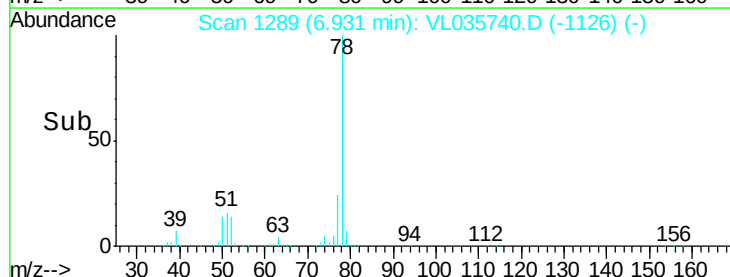
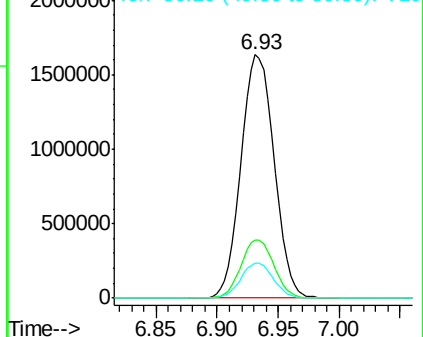
50 14.3 11.6 17.4

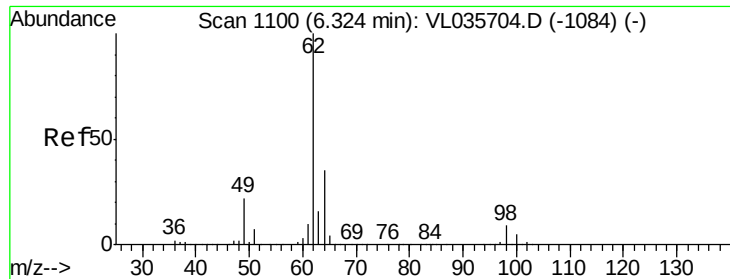


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





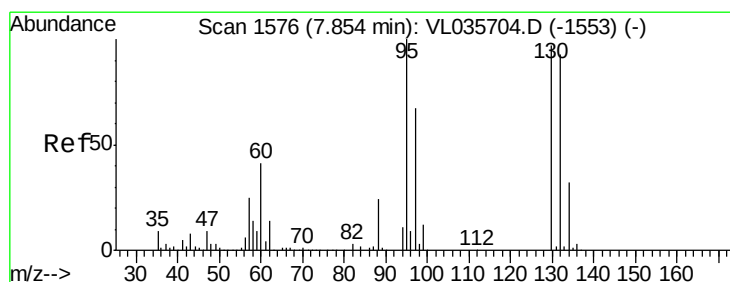
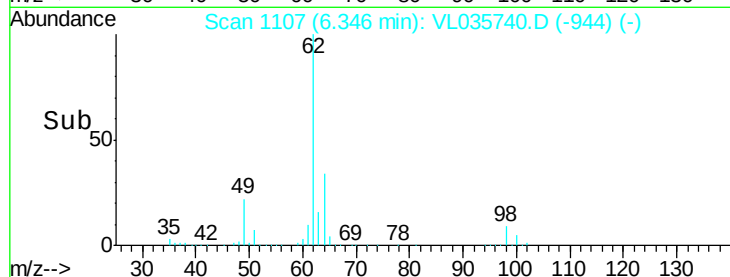
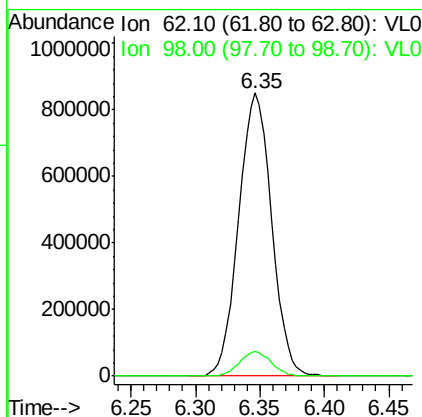
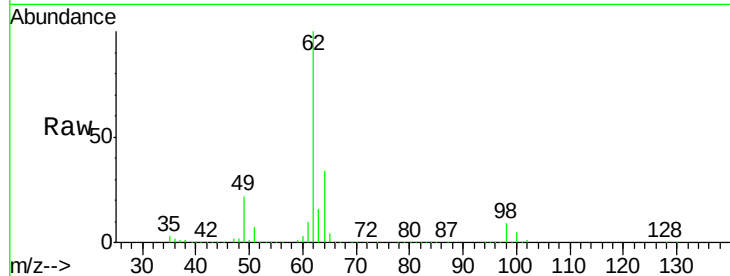
#37
 1,2-Dichloroethane
 Concen: 10.457 ppbv
 RT: 6.35 min Scan# 1107
 Delta R.T. 0.02 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1515474
 Ion Ratio Lower Upper
 62 100
 98 8.5 6.9 10.3

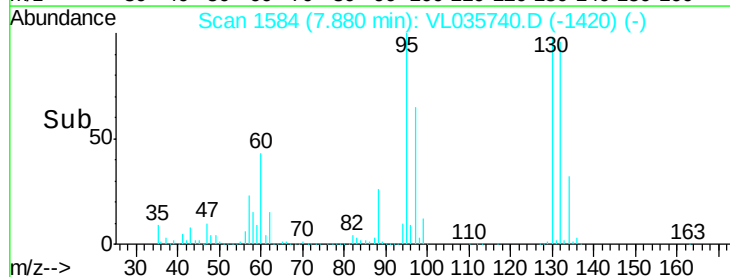
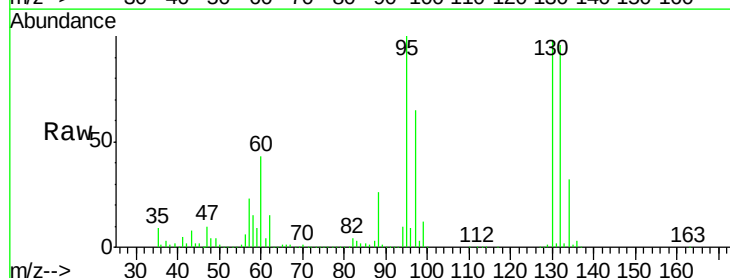
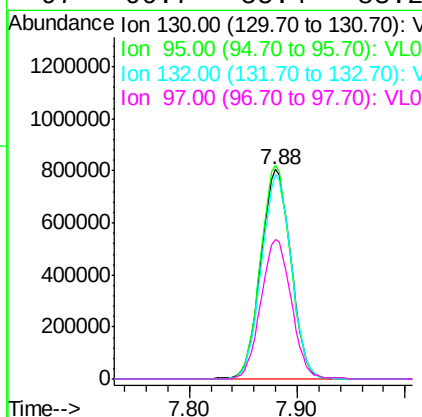
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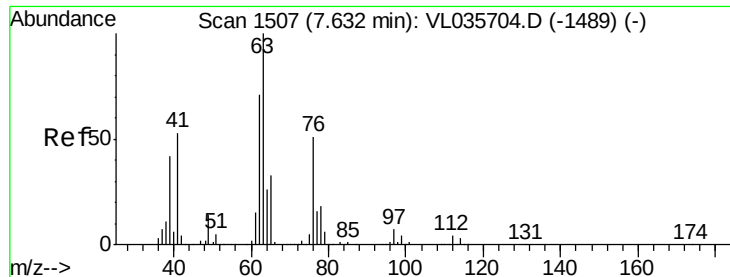
MMDadoda
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#38
 Trichloroethene
 Concen: 11.262 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion: 130 Resp: 1562141
 Ion Ratio Lower Upper
 130 100
 95 101.8 82.4 123.6
 132 97.9 76.8 115.2
 97 66.7 55.4 83.2





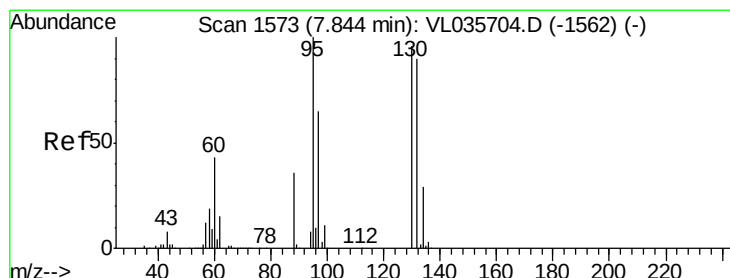
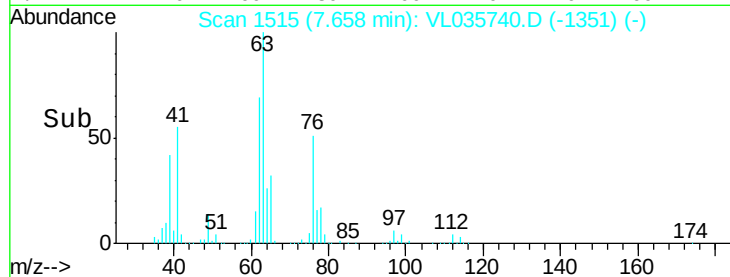
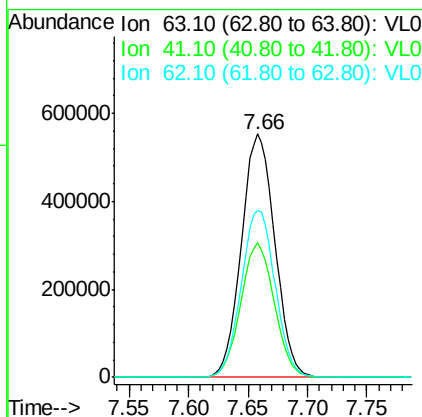
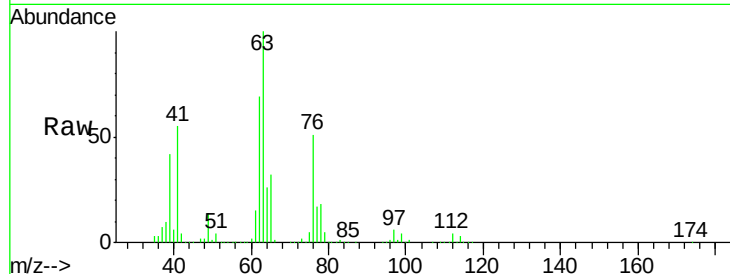
#39
 1,2-Dichloropropane
 Concen: 10.712 ppbv
 RT: 7.66 min Scan# 1515
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	55.2	42.6	63.8
62	68.5	56.5	84.7

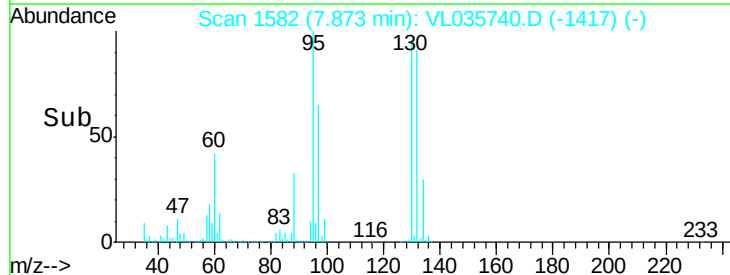
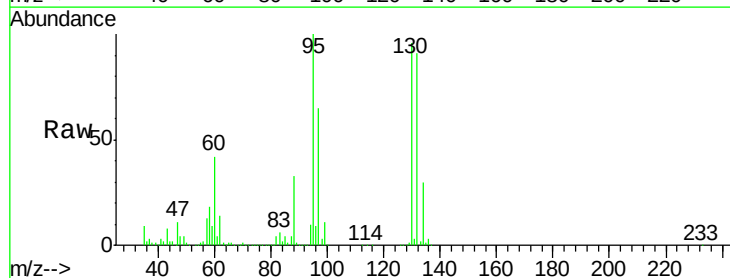
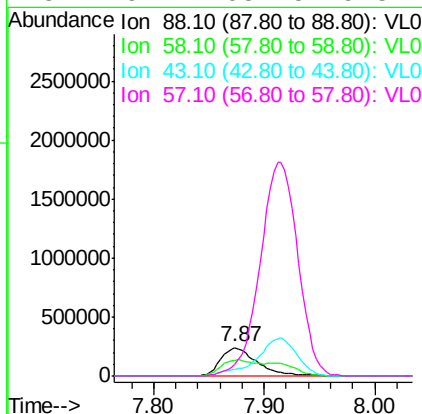
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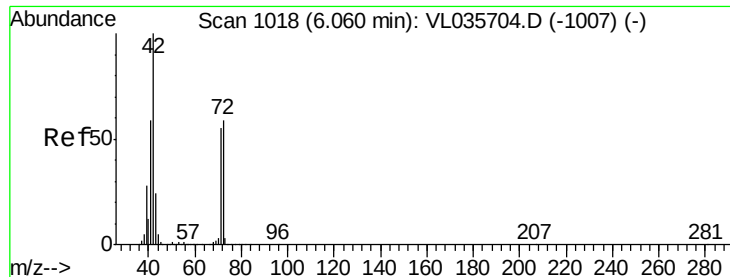
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#40
 1,4-Dioxane
 Concen: 11.694 ppbv
 RT: 7.87 min Scan# 1582
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion	Ratio	Lower	Upper
88	100		
58	95.7	76.2	114.4
43	152.9	123.4	185.2
57	797.2	652.5	978.7





#41

Tetrahydrofuran

Concen: 12.196 ppbv

RT: 6.08 min Scan# 1025

Delta R.T. 0.02 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

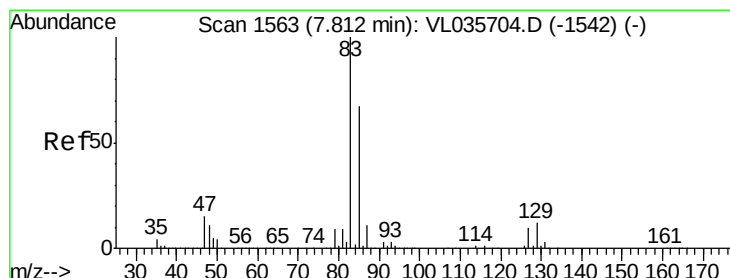
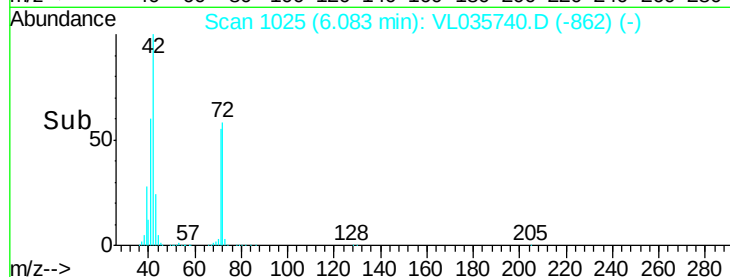
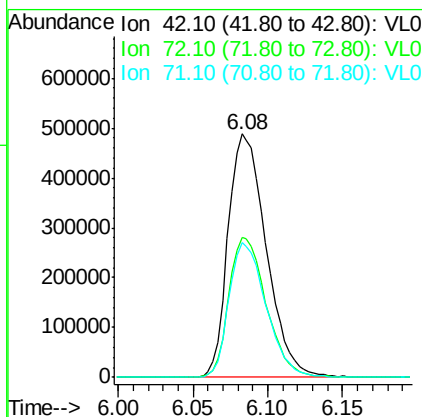
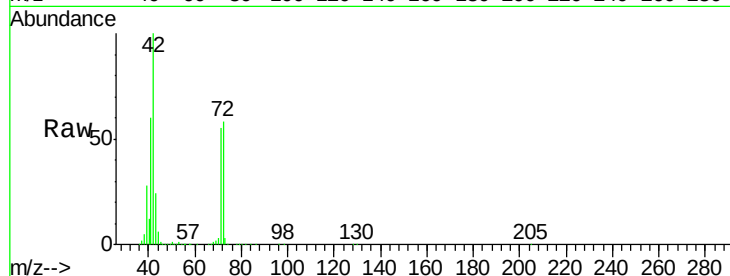
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	867222
Ion	Ratio	Lower	Upper
42	100		
72	56.3	46.2	69.4
71	54.1	44.2	66.4

Manual Integrations
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9/30/2020 5:32:19 PM



#42

Bromodichloromethane

Concen: 10.923 ppbv

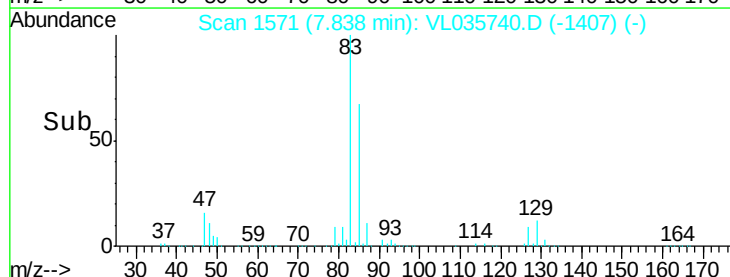
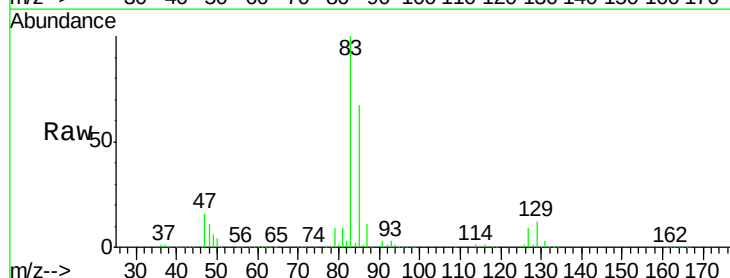
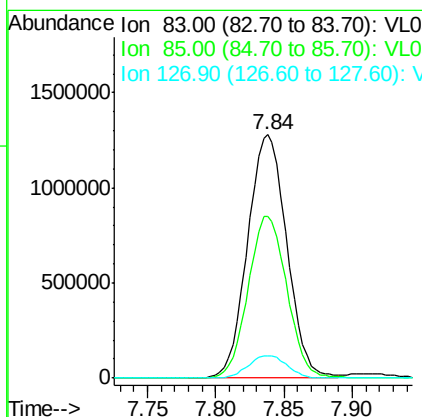
RT: 7.84 min Scan# 1571

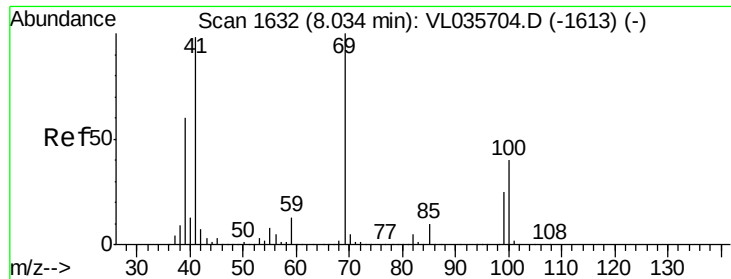
Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Tgt Ion:	83	Resp:	2550136
Ion	Ratio	Lower	Upper
83	100		
85	66.6	53.4	80.0
127	9.3	7.8	11.6





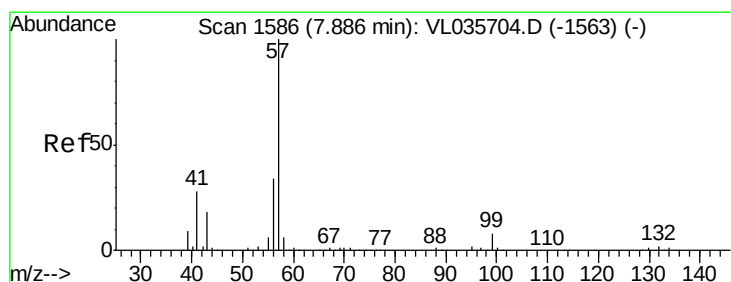
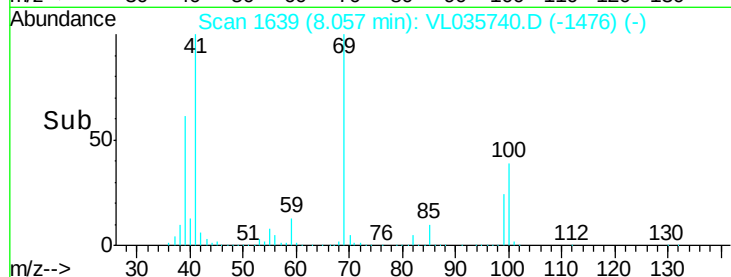
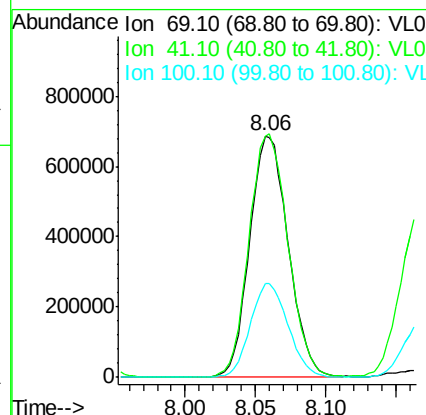
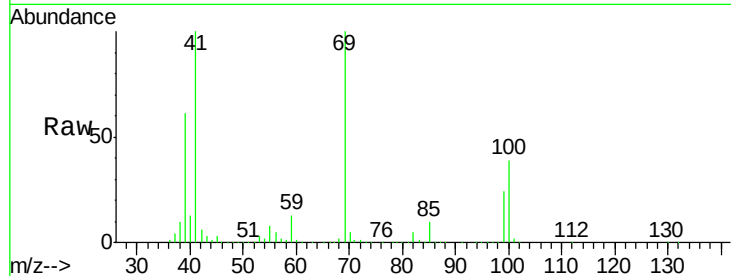
#43
Methyl Methacrylate
Concen: 11.904 ppbv
RT: 8.06 min Scan# 1639
Delta R.T. 0.02 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1316514
Ion Ratio Lower Upper
69 100
41 102.2 79.8 119.6
100 38.0 30.6 46.0

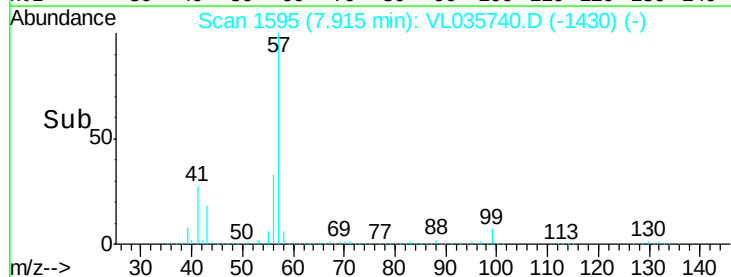
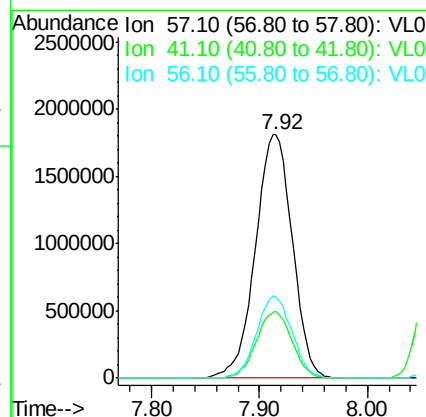
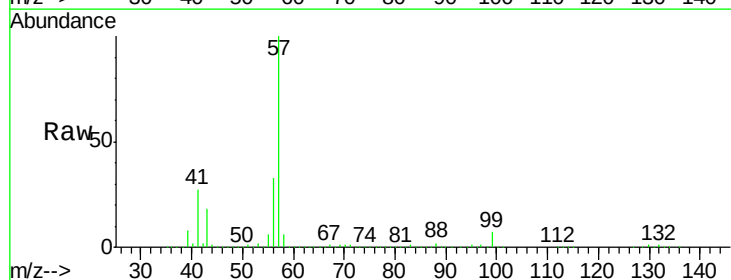
Manual Integrations
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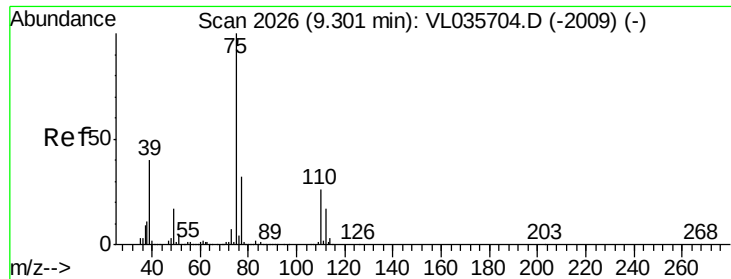
MMDadoda
9/30/2020 5:32:19 PM



#44
2,2,4-Trimethylpentane
Concen: 10.760 ppbv
RT: 7.92 min Scan# 1595
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion: 57 Resp: 4293331
Ion Ratio Lower Upper
57 100
41 26.6 21.2 31.8
56 32.1 25.8 38.8





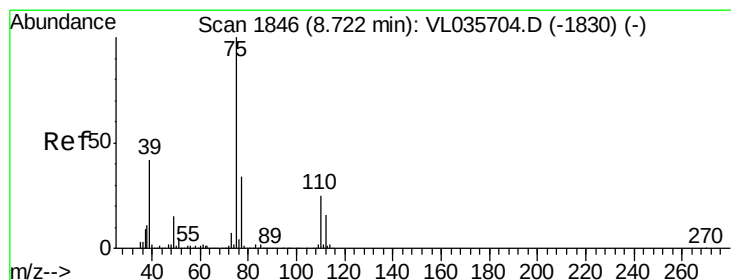
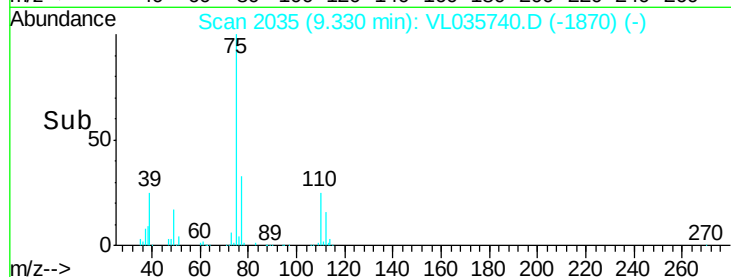
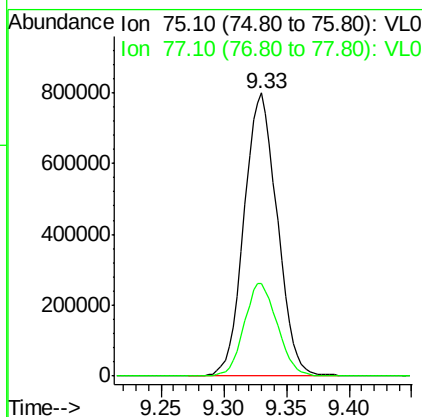
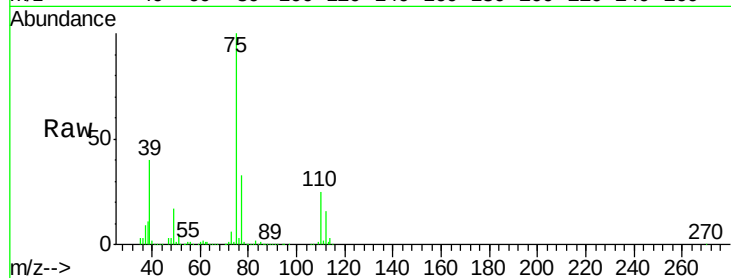
#45
 t-1,3-Dichloropropene
 Concen: 13.178 ppbv
 RT: 9.33 min Scan# 2035
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 75 Resp: 1471418
 Ion Ratio Lower Upper
 75 100
 77 32.7 25.9 38.9

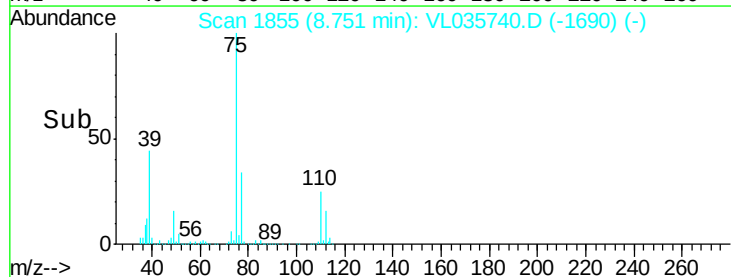
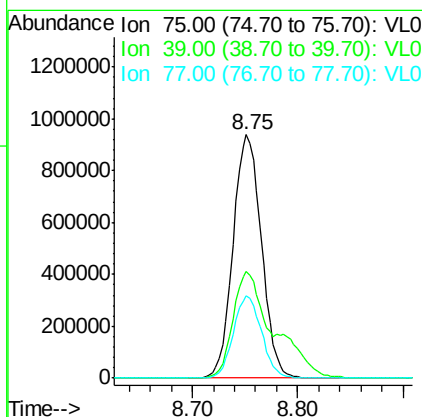
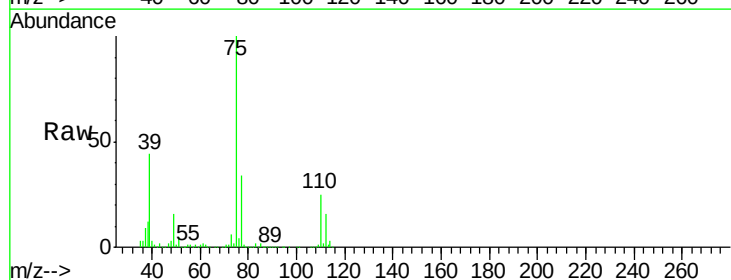
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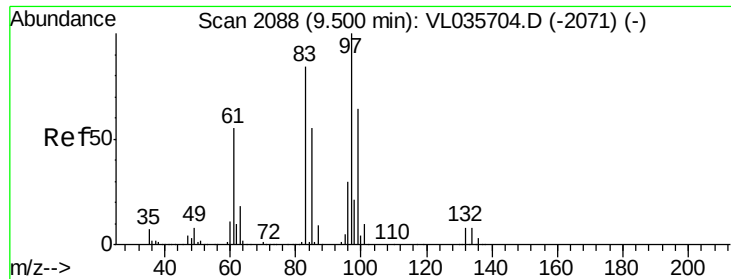
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#46
 cis-1,3-Dichloropropene
 Concen: 12.710 ppbv
 RT: 8.75 min Scan# 1855
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion: 75 Resp: 1749355
 Ion Ratio Lower Upper
 75 100
 39 43.8 33.9 50.9
 77 33.8 27.4 41.0





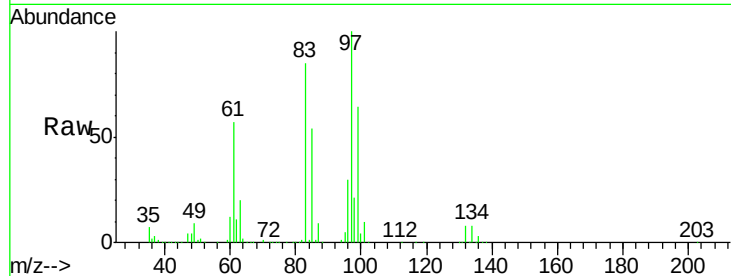
#47
 1,1,2-Trichloroethane
 Concen: 10.400 ppbv
 RT: 9.53 min Scan# 2097
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

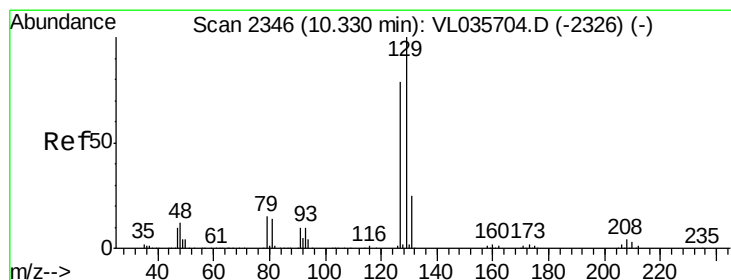
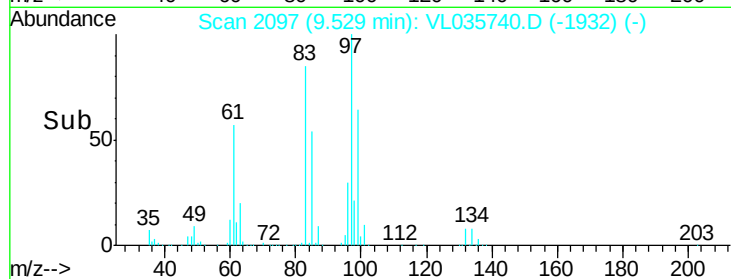
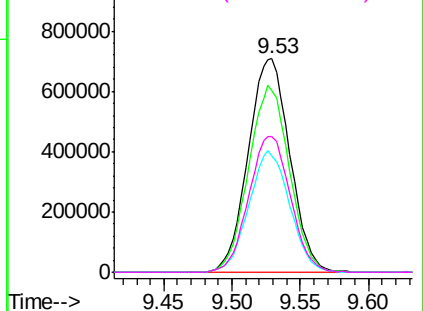
Tot Ion	Ratio	Lower	Upper
97	100		
83	85.4	67.1	100.7
85	54.3	43.9	65.9
99	63.6	51.3	76.9

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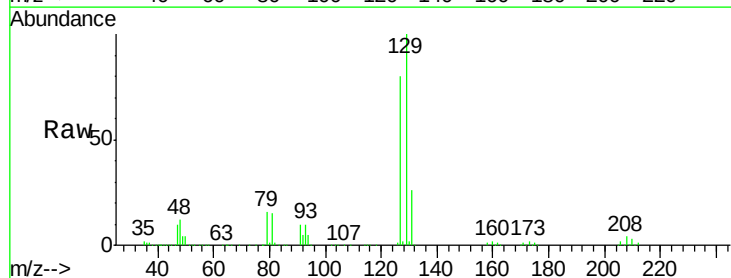


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

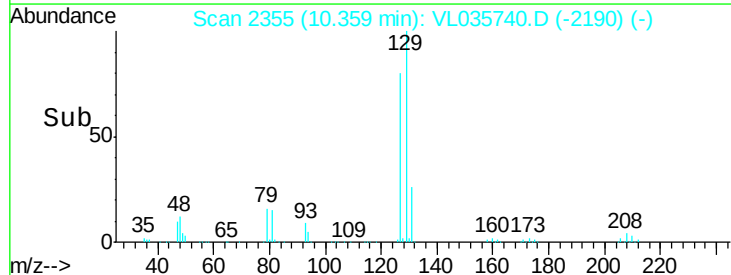
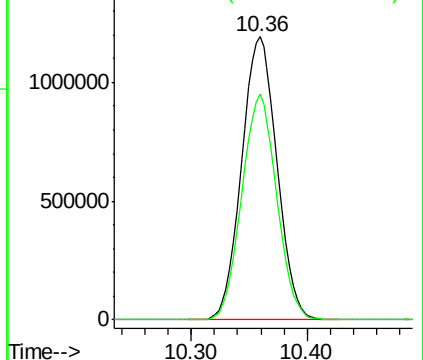


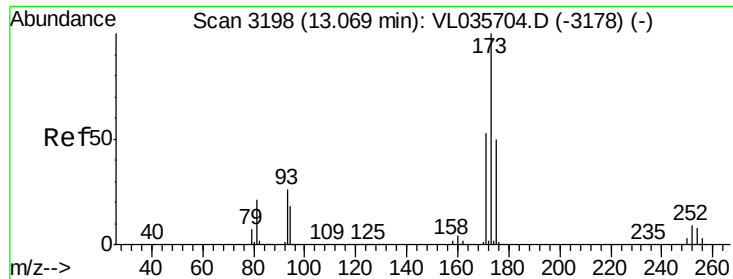
#48
 Dibromochloromethane
 Concen: 11.496 ppbv
 RT: 10.36 min Scan# 2355
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.4	118.1



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





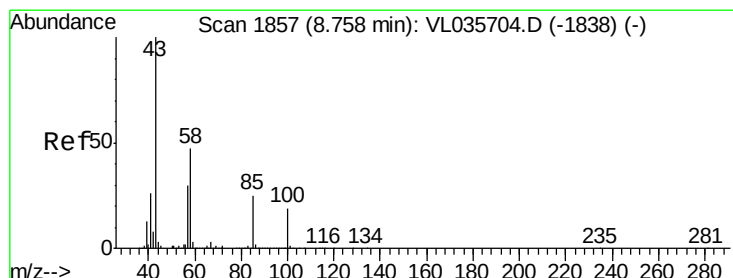
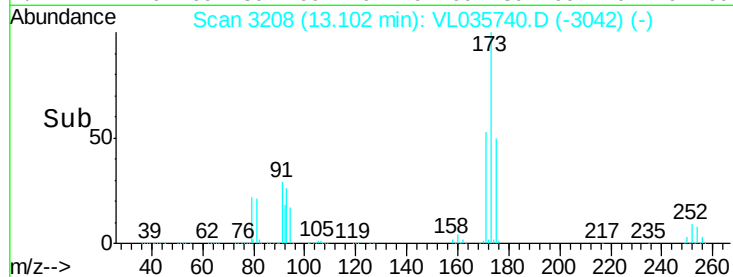
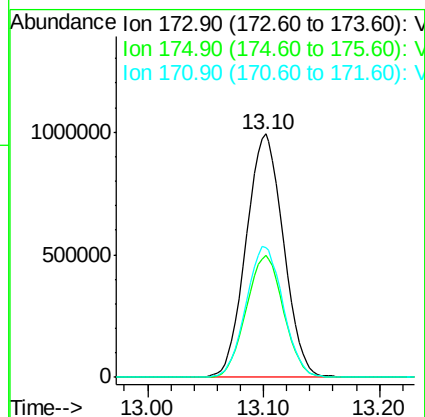
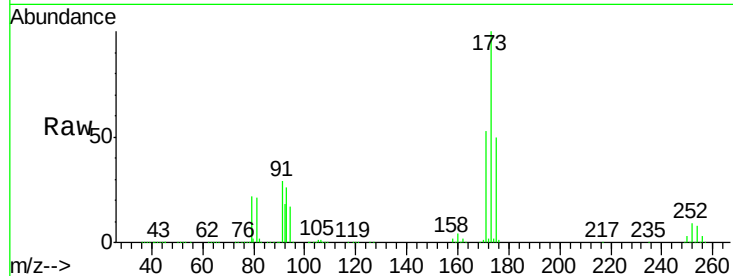
#49
Bromoform
Concen: 11.951 ppbv
RT: 13.10 min Scan# 3208
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 2228050
Ion Ratio Lower Upper
173 100
175 49.9 39.8 59.6
171 53.4 42.8 64.2

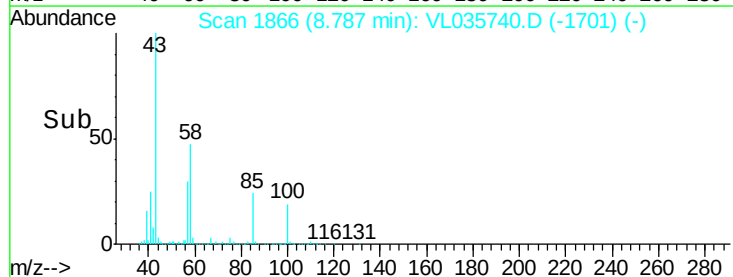
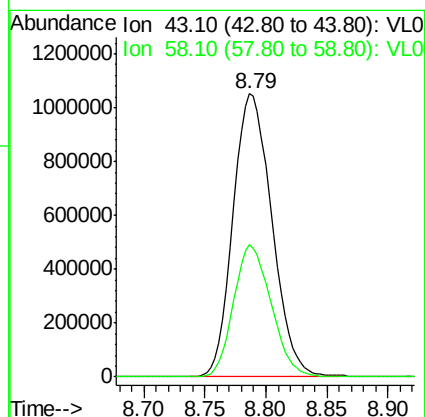
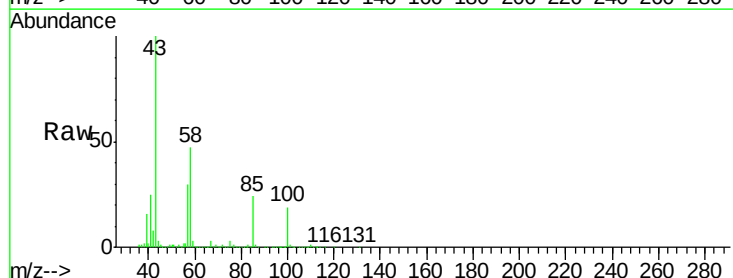
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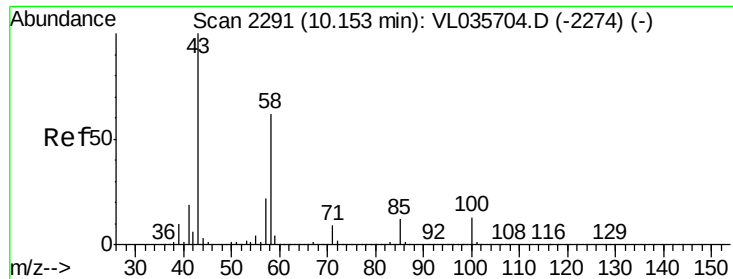
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#50
4-Methyl-2-Pentanone
Concen: 11.288 ppbv
RT: 8.79 min Scan# 1866
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion: 43 Resp: 2327071
Ion Ratio Lower Upper
43 100
58 45.3 36.6 54.8





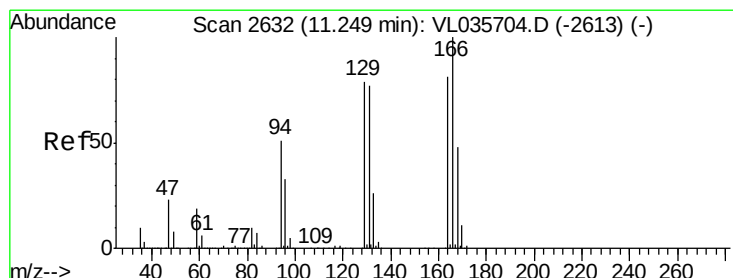
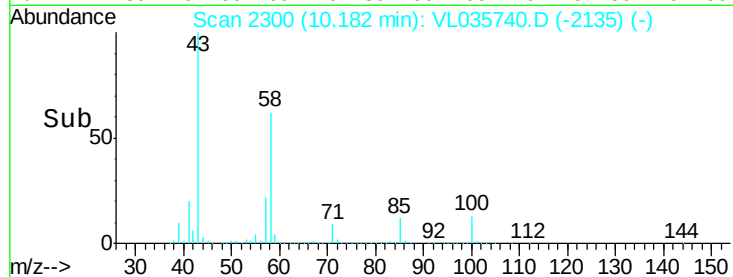
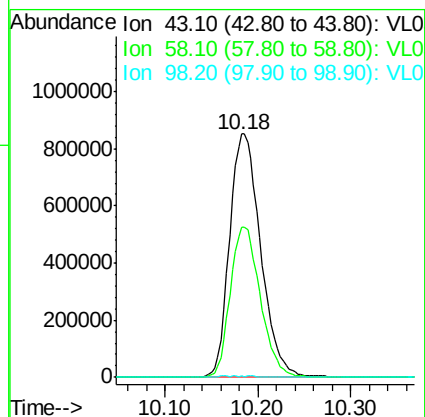
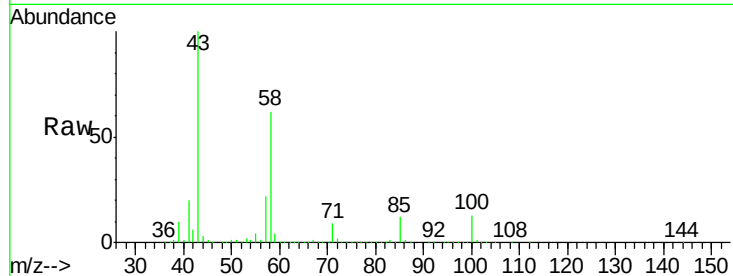
#51
2-Hexanone
Concen: 11.925 ppbv
RT: 10.18 min Scan# 2300
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1980704
Ion Ratio Lower Upper
43 100
58 60.1 48.7 73.1
98 0.9 0.7 1.1

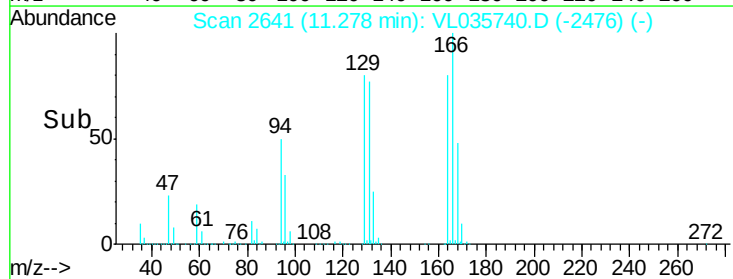
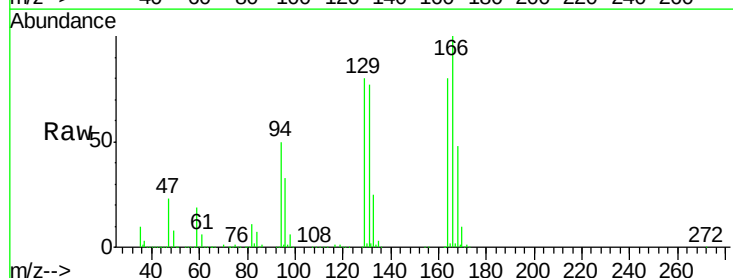
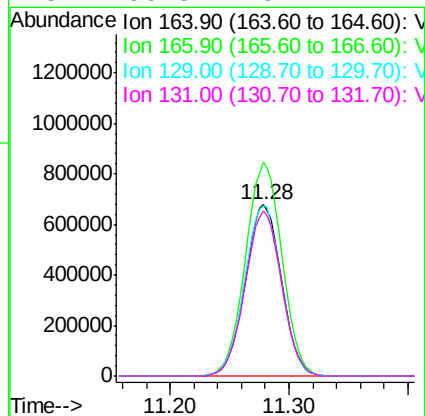
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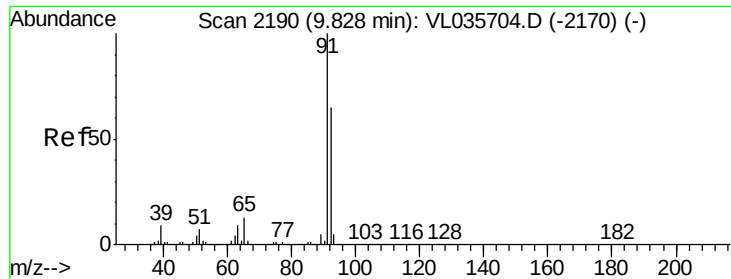
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#52
Tetrachloroethene
Concen: 10.696 ppbv
RT: 11.28 min Scan# 2641
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion: 164 Resp: 1430286
Ion Ratio Lower Upper
164 100
166 124.9 98.7 148.1
129 99.4 78.4 117.6
131 96.5 76.2 114.2





#53

Toluene

Concen: 11.779 ppbv

RT: 9.86 min Scan# 2199

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3862125

Ion Ratio Lower Upper

91 100

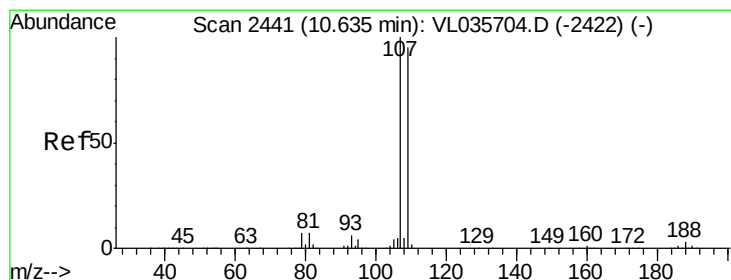
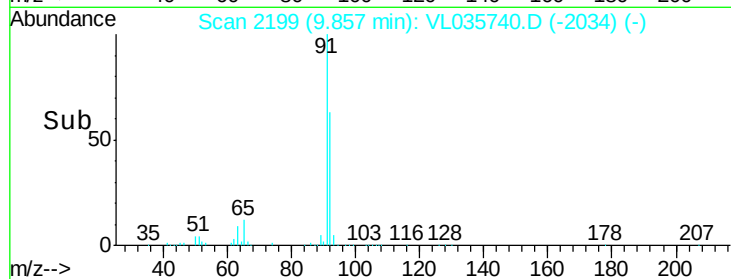
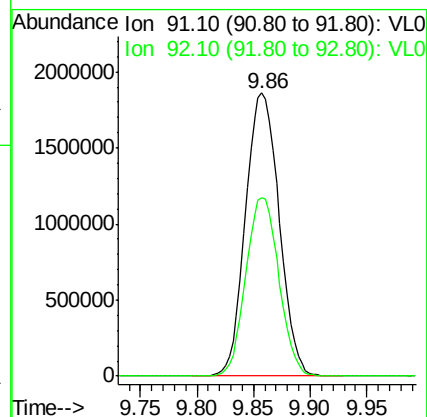
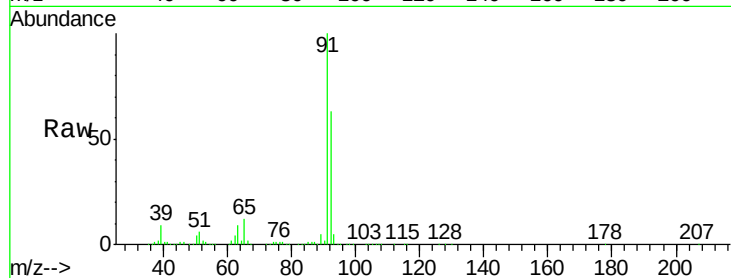
92 62.1 50.0 75.0

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#54

1,2-Dibromoethane

Concen: 10.869 ppbv

RT: 10.66 min Scan# 2450

Delta R.T. 0.03 min

Lab File: VL035740.D

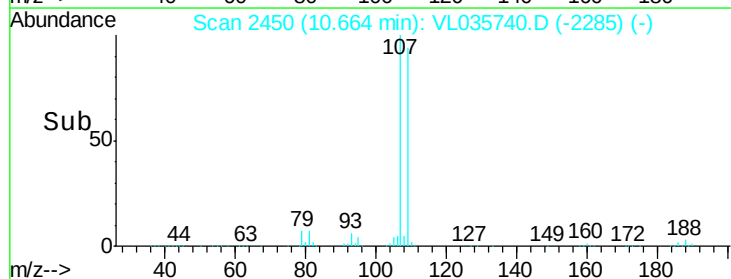
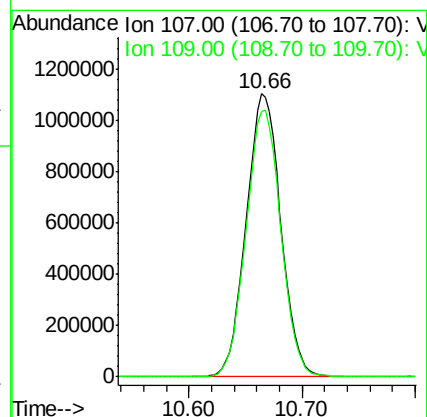
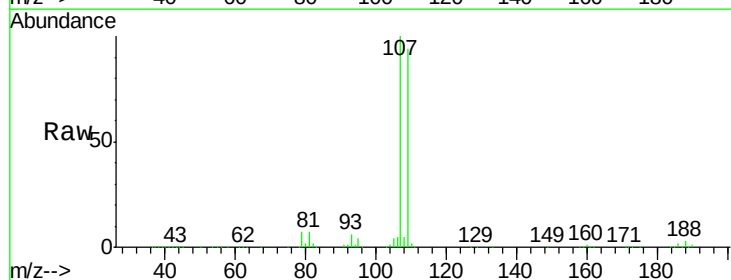
Acq: 30 Sep 2020 1:31

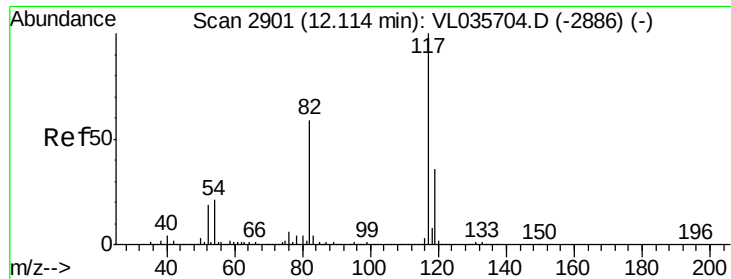
Tgt Ion: 107 Resp: 2349443

Ion Ratio Lower Upper

107 100

109 93.9 76.0 114.0





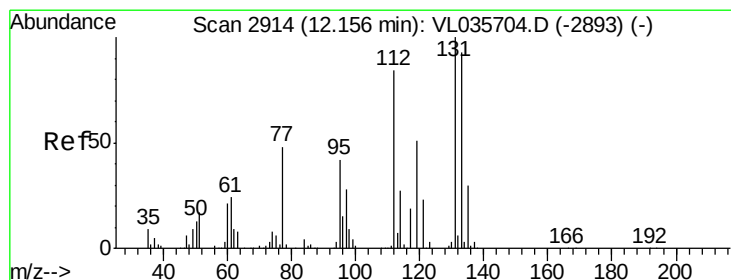
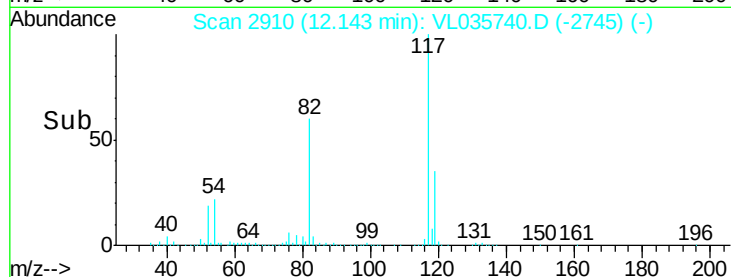
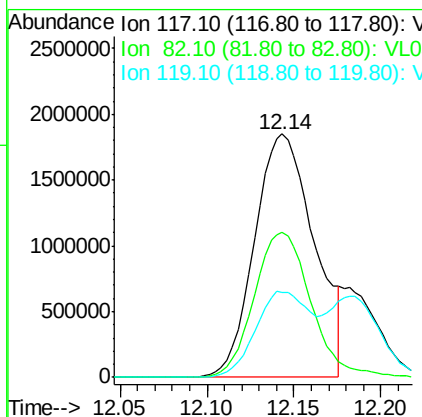
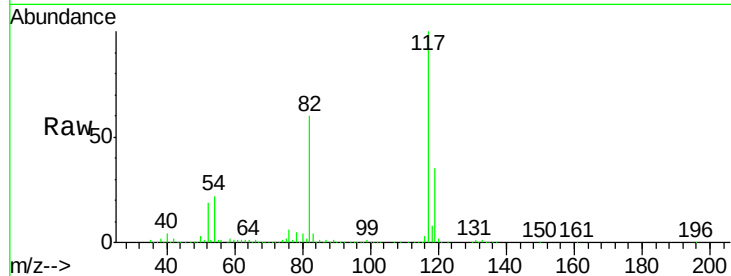
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.14 min Scan# 2910
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4429638
Ion Ratio Lower Upper
117 100
82 56.6 46.1 69.1
119 33.7 28.0 42.0

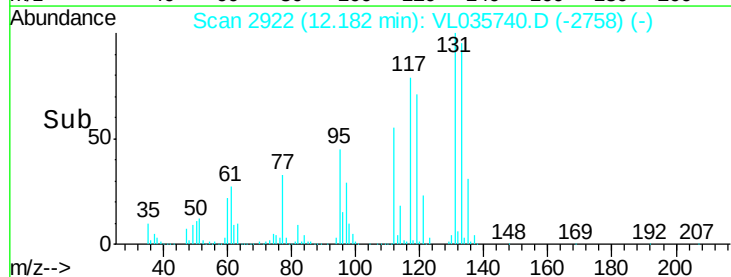
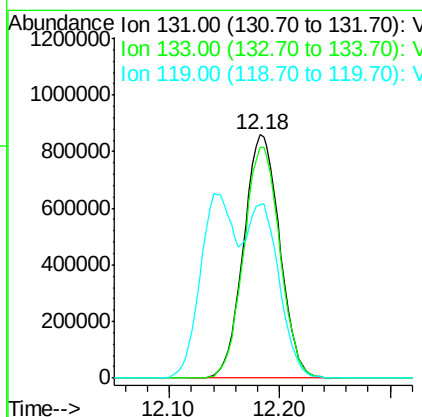
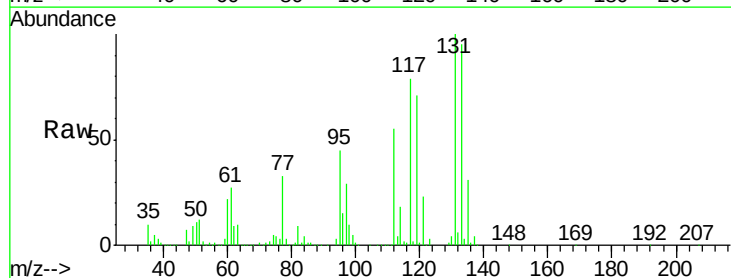
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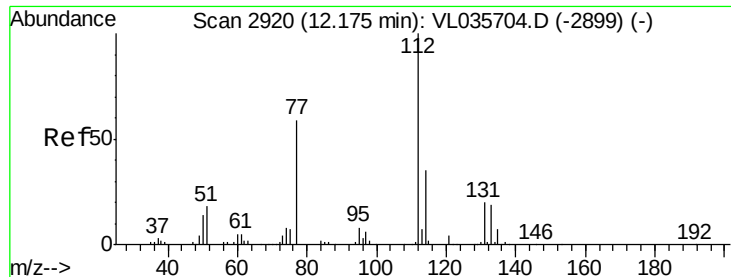
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.485 ppbv
RT: 12.18 min Scan# 2922
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion:131 Resp: 1947438
Ion Ratio Lower Upper
131 100
133 95.4 76.2 114.4
119 63.7 52.4 78.6





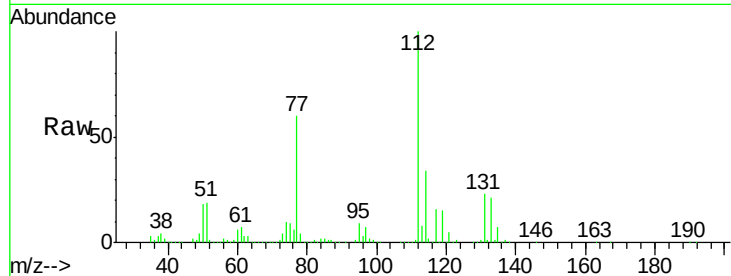
#57
Chlorobenzene
Concen: 9.819 ppbv
RT: 12.20 min Scan# 2929
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

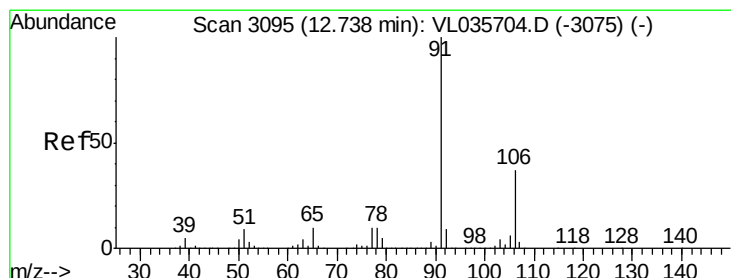
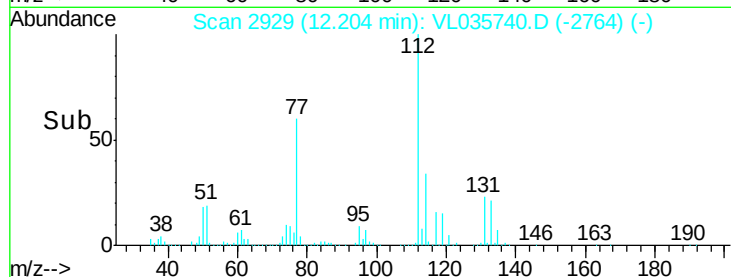
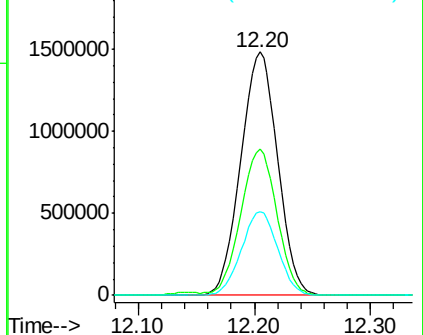
Tot Ion	Ratio	Lower	Upper
112	100		
77	60.2	48.2	72.2
114	34.2	31.9	39.1

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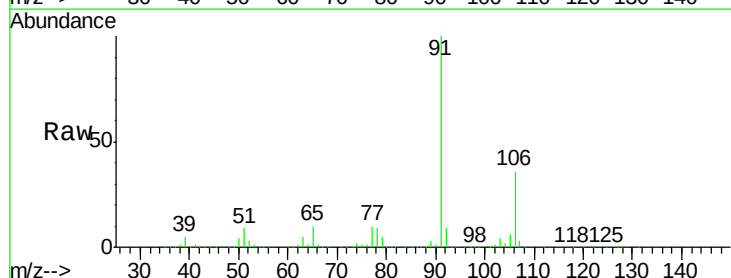


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

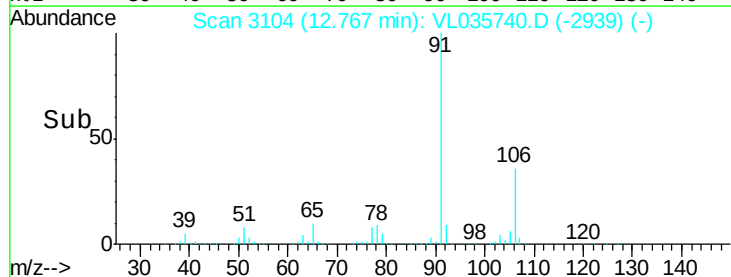
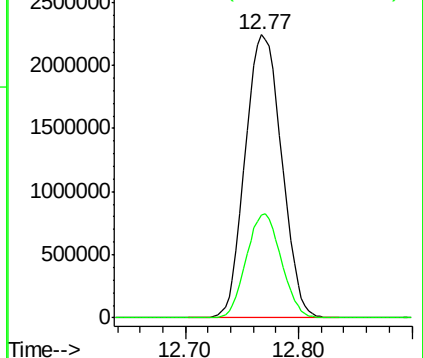


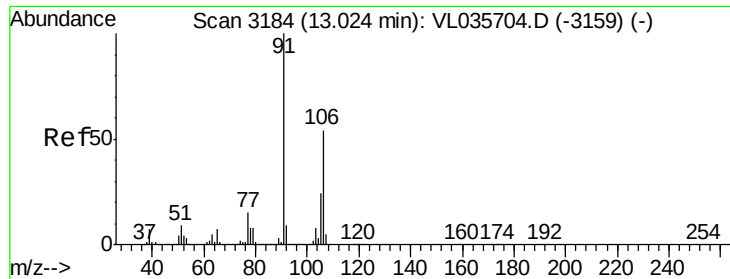
#58
Ethyl Benzene
Concen: 11.345 ppbv
RT: 12.77 min Scan# 3104
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.5	29.7	44.5



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





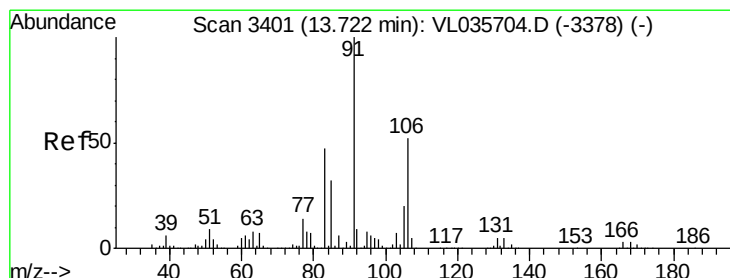
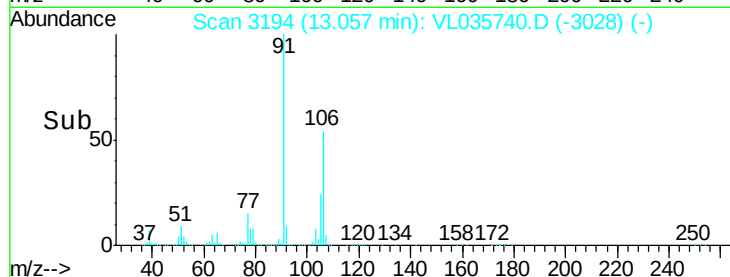
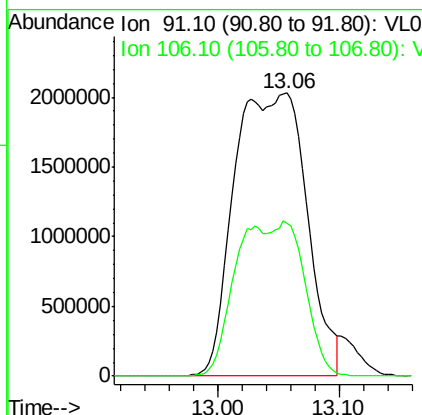
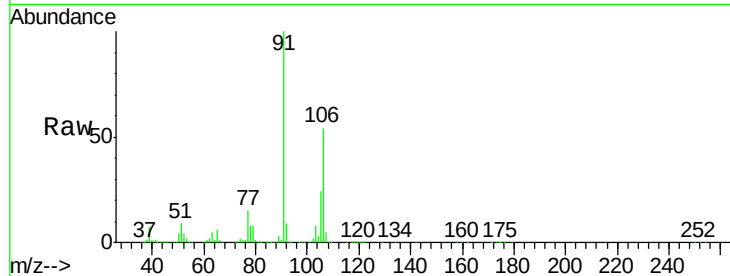
#59
m/p-Xylene
Concen: 21.695 ppbv m
RT: 13.06 min Scan# 3194
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8423371
Ion Ratio Lower Upper
91 100
106 51.5 41.4 62.0

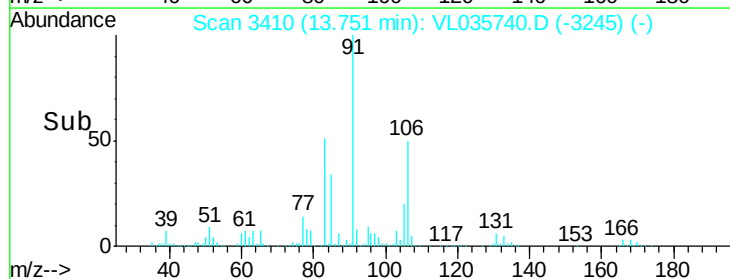
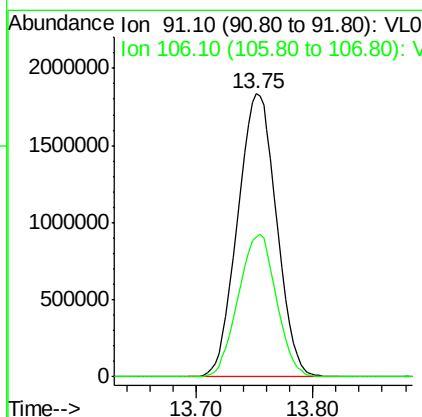
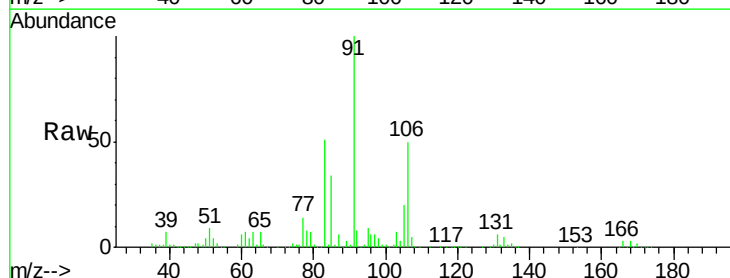
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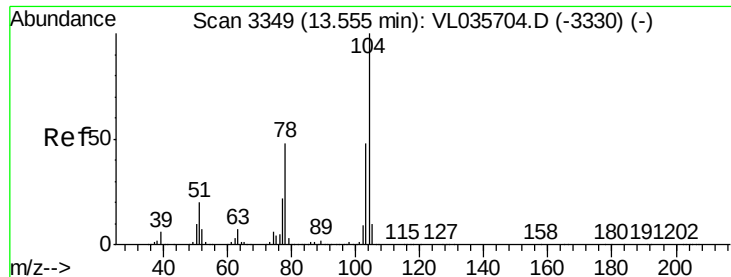
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#60
o-Xylene
Concen: 10.861 ppbv
RT: 13.75 min Scan# 3410
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion: 91 Resp: 4265587
Ion Ratio Lower Upper
91 100
106 49.6 25.0 75.0





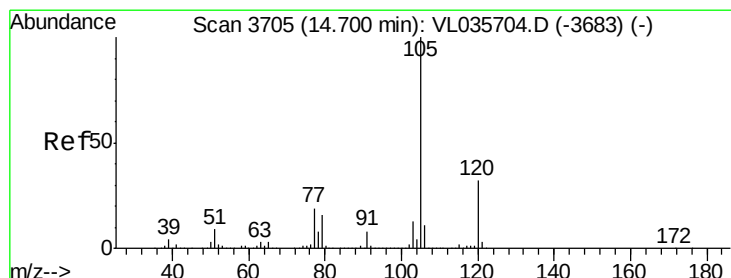
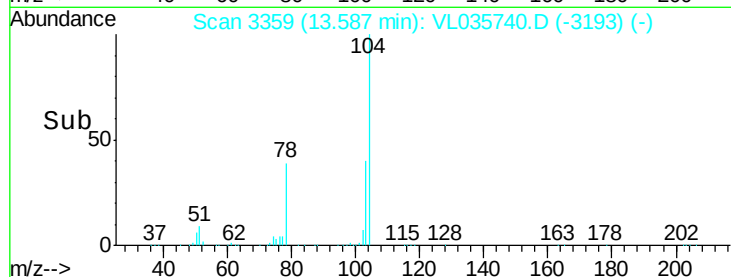
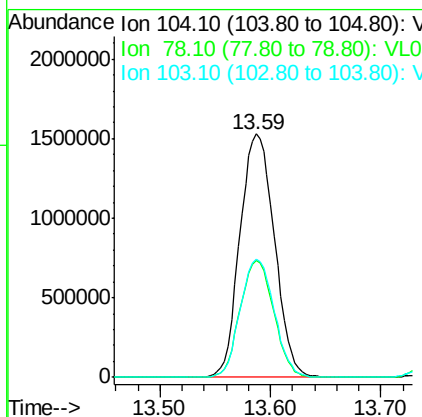
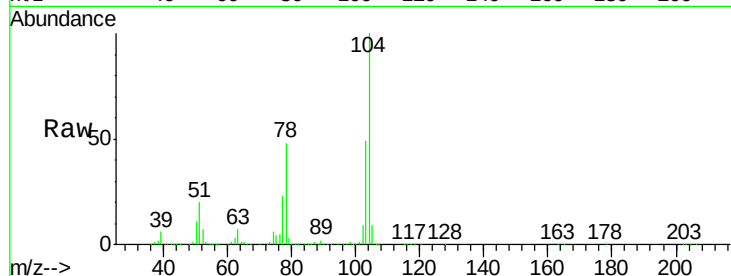
#61
Stvrene
Concen: 12.235 ppbv
RT: 13.59 min Scan# 3359
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
104	100		
78	47.0	37.2	55.8
103	47.9	38.2	57.2

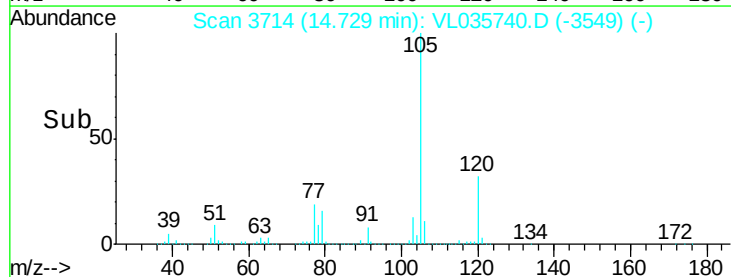
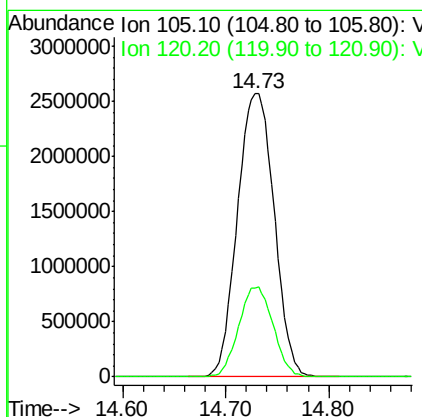
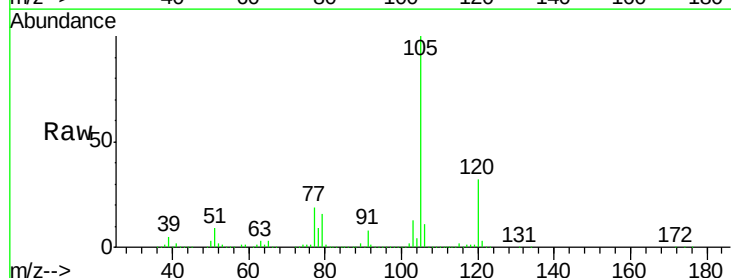
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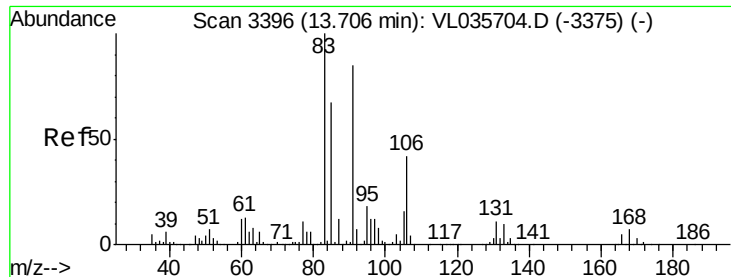
MMDadoda
9/30/2020 5:32:19 PM



#62
Isopropylbenzene
Concen: 10.447 ppbv
RT: 14.73 min Scan# 3714
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion	Ratio	Lower	Upper
105	100		
120	29.8	24.1	36.1





#63

1,1,2,2-Tetrachloroethane

Concen: 9.772 ppbv

RT: 13.74 min Scan# 3406

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 83 Resp: 3147270

Ion Ratio Lower Upper

83 100

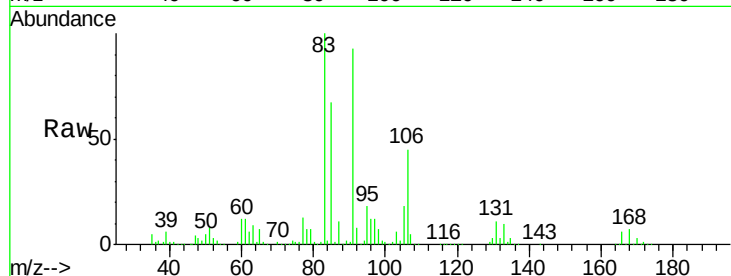
131 10.5 5.3 16.1

85 66.5 33.4 100.2

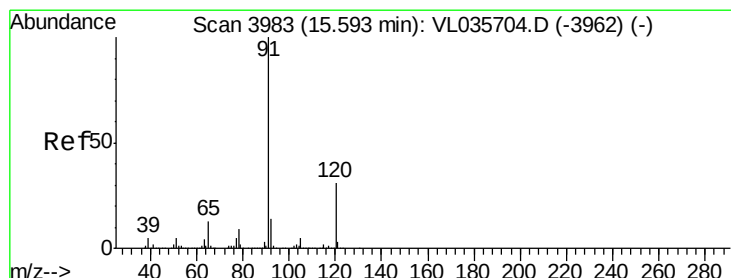
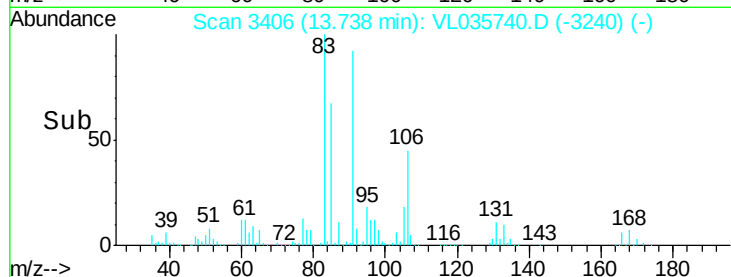
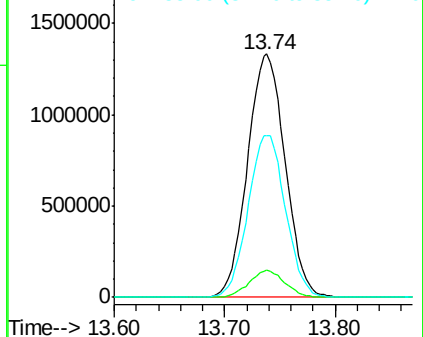
Manual Integrations
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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 11.059 ppbv

RT: 15.62 min Scan# 3992

Delta R.T. 0.03 min

Lab File: VL035740.D

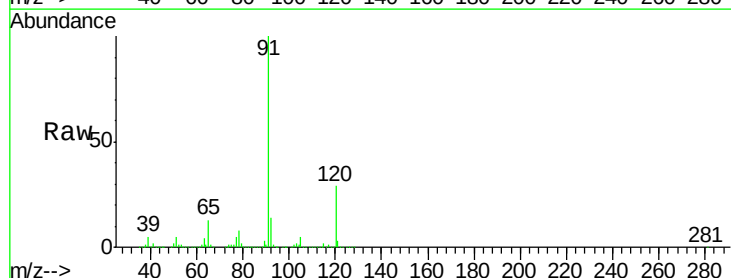
Acq: 30 Sep 2020 1:31

Tgt Ion:120 Resp: 1971703

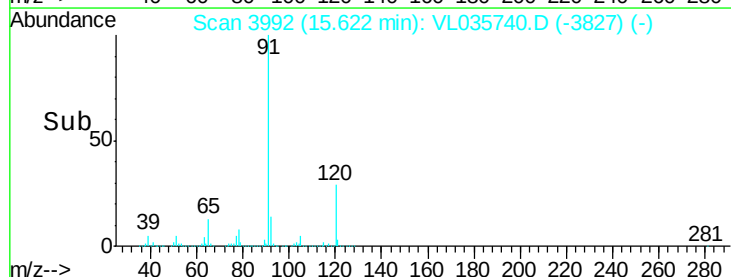
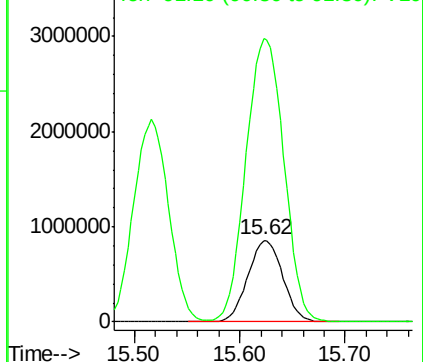
Ion Ratio Lower Upper

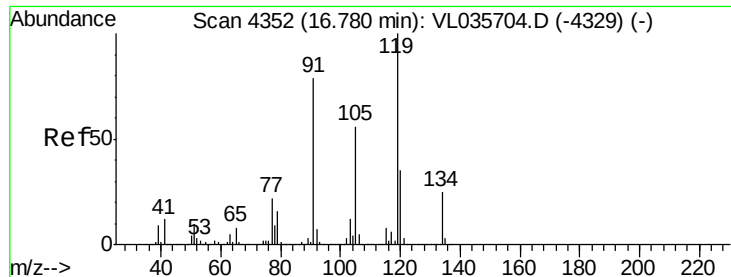
120 100

91 379.8 300.4 450.6



Abundance Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 10.684 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 5917808

Ion Ratio Lower Upper

119 100

91 78.3 62.4 93.6

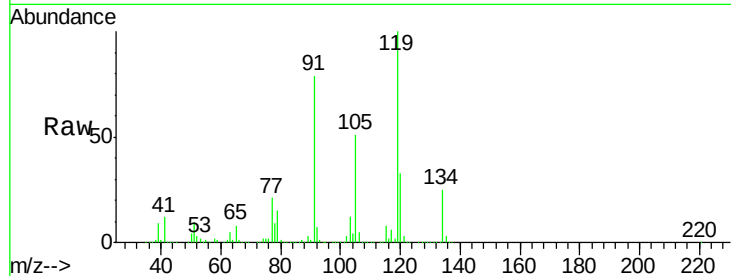
134 22.5 18.2 27.2

Manual Integrations

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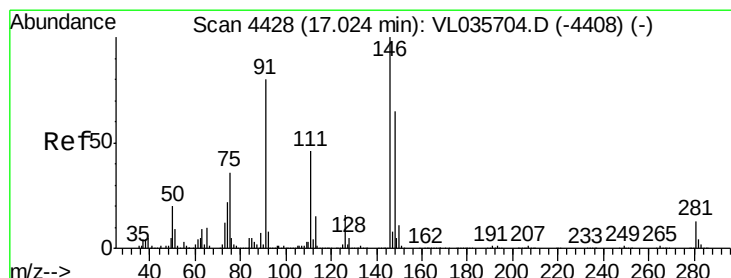
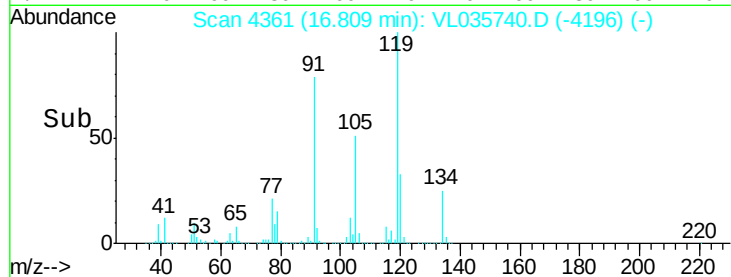
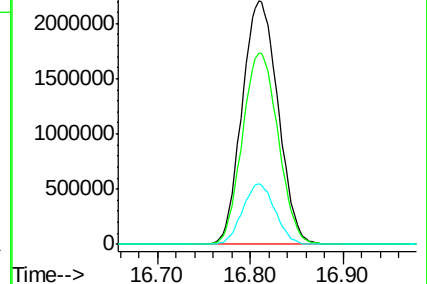
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 13.663 ppbv

RT: 17.05 min Scan# 4437

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

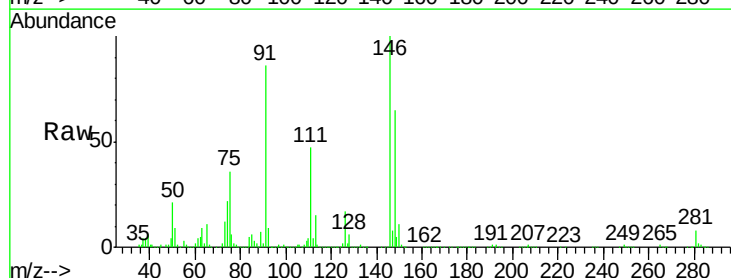
Tgt Ion: 91 Resp: 2292822

Ion Ratio Lower Upper

91 100

126 18.9 15.3 22.9

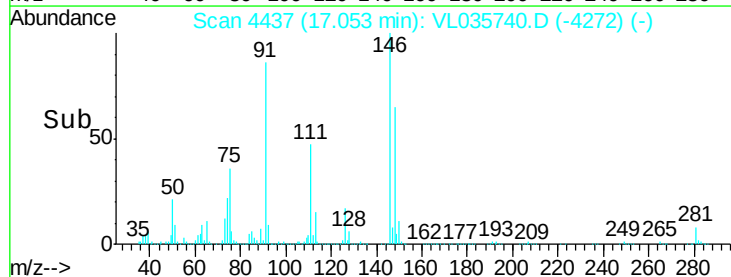
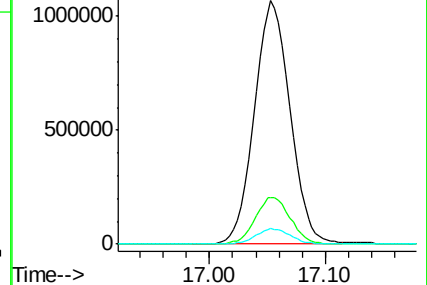
128 6.1 5.0 7.4

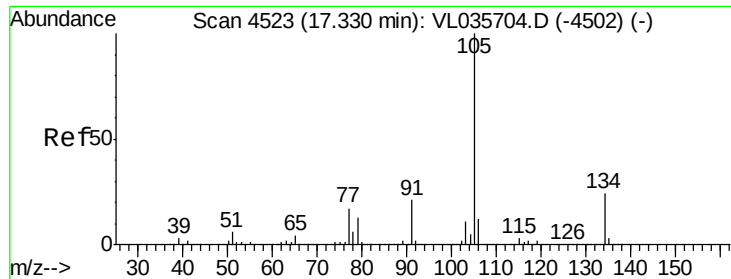


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 10.411 ppbv

RT: 17.36 min Scan# 4532

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 7962816

Ion Ratio Lower Upper

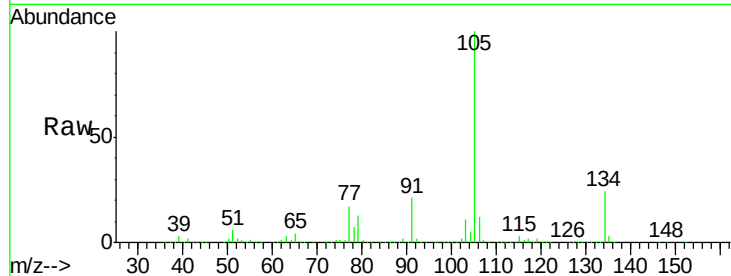
105 100

134 21.9 17.6 26.4

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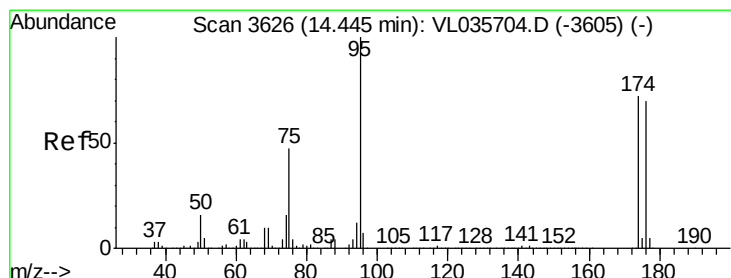
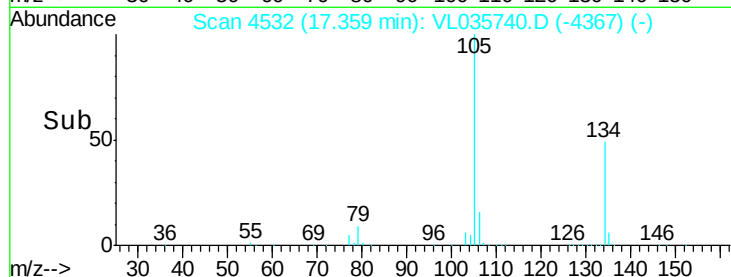
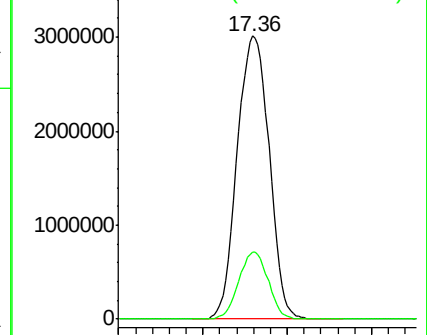
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.806 ppbv

RT: 14.48 min Scan# 3636

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

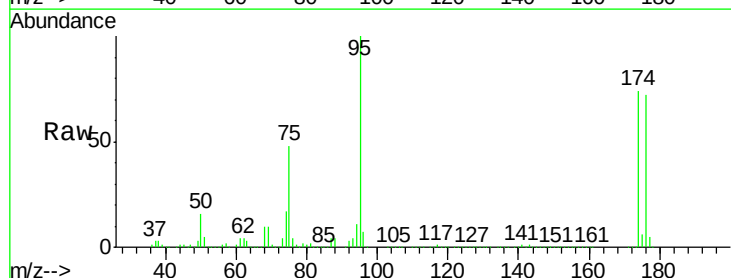
Tgt Ion: 95 Resp: 3254942

Ion Ratio Lower Upper

95 100

174 73.4 59.6 89.4

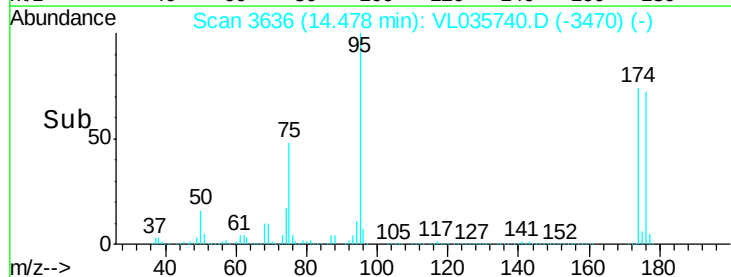
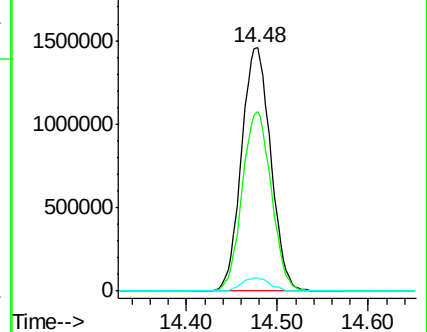
175 5.3 4.2 6.4

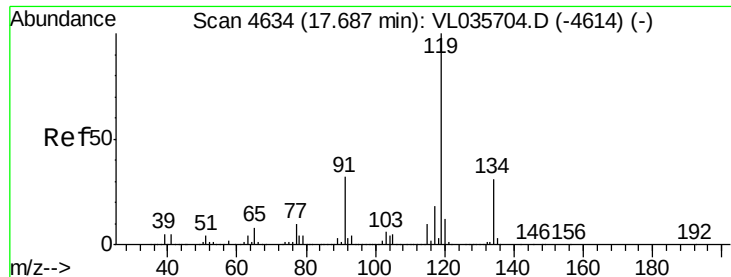


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





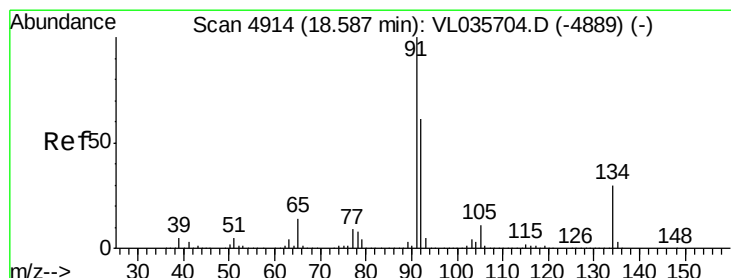
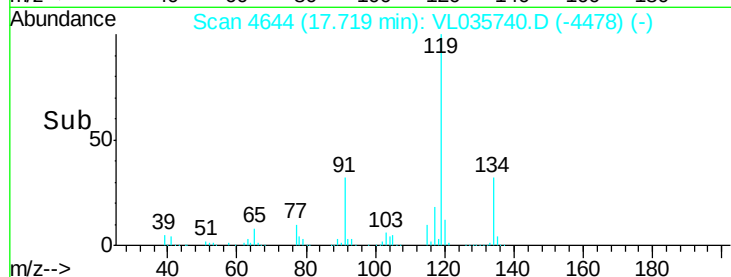
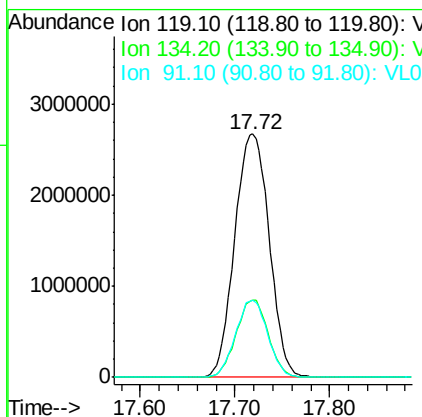
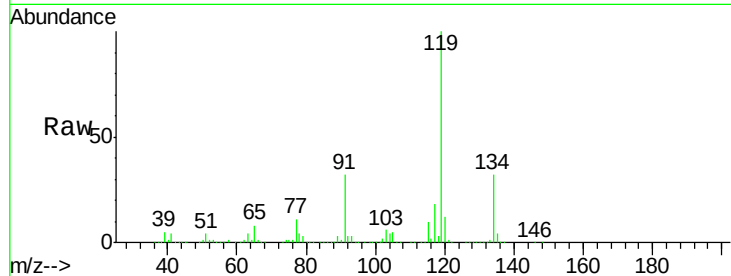
#69
 p-Isopropyltoluene
 Concen: 10.890 ppbv
 RT: 17.72 min Scan# 4644
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 119 Resp: 6776353
 Ion Ratio Lower Upper
 119 100
 134 29.6 23.9 35.9
 91 29.6 23.8 35.6

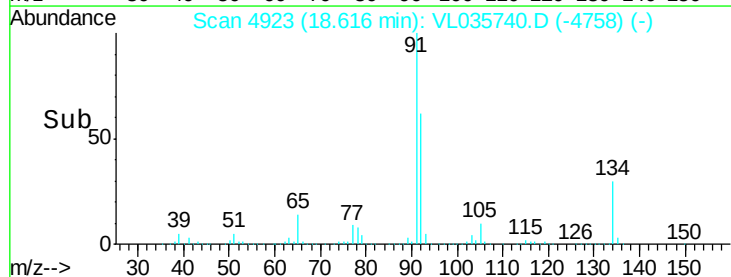
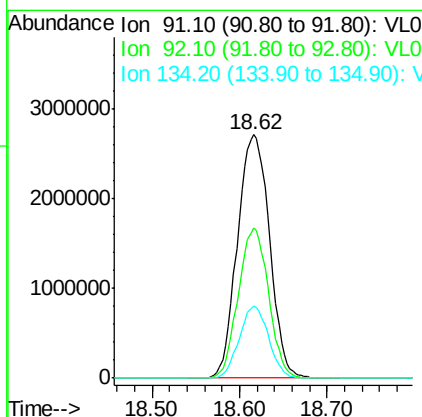
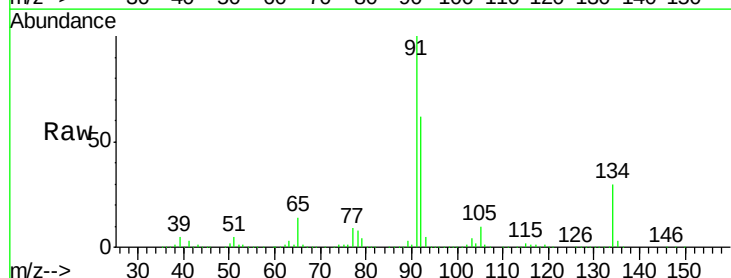
Manual Integrations
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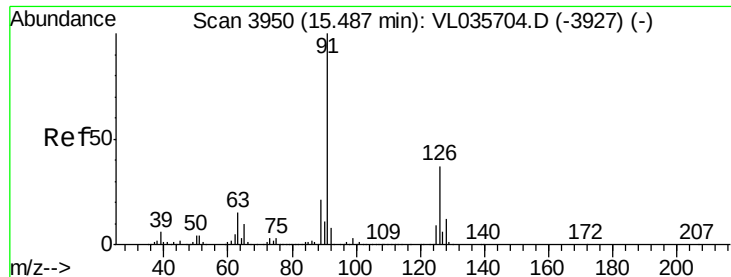
MMDadoda
 9/30/2020 5:32:19 PM



#70
 n-Butylbenzene
 Concen: 10.738 ppbv
 RT: 18.62 min Scan# 4923
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion: 91 Resp: 6880652
 Ion Ratio Lower Upper
 91 100
 92 58.3 47.0 70.4
 134 27.1 21.9 32.9





#71

2-Chlorotoluene

Concen: 11.147 ppbv

RT: 15.52 min Scan# 3959

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4953385

Ion Ratio Lower Upper

91 100

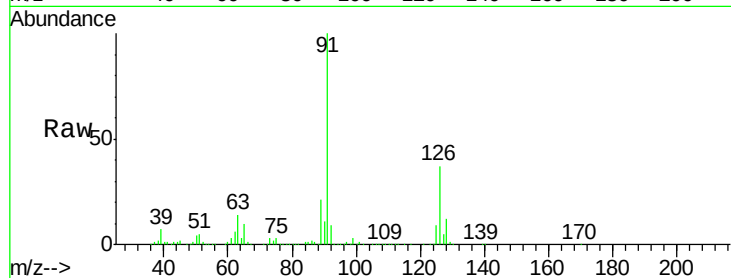
126 35.7 14.4 57.4

Manual Integrations

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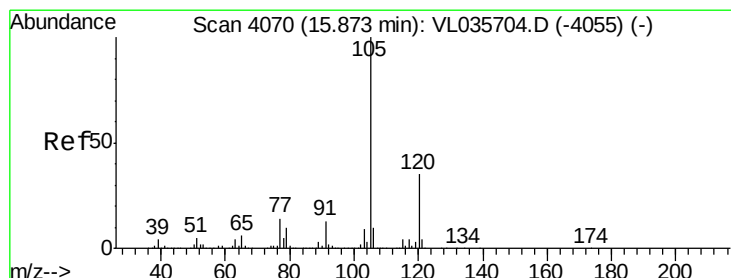
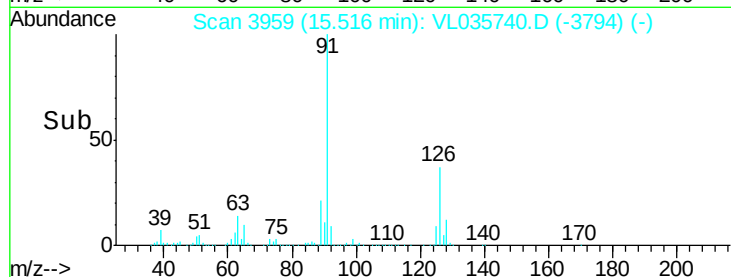
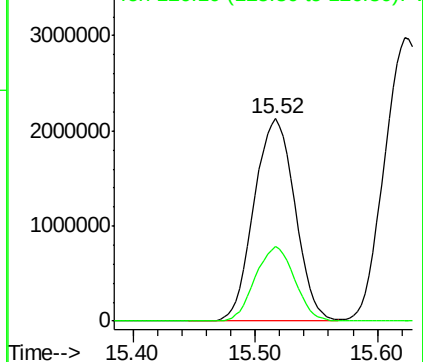
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.331 ppbv

RT: 15.90 min Scan# 4079

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Tgt Ion:105 Resp: 5271748

Ion Ratio Lower Upper

105 100

120 32.8 26.5 39.7

91 13.3 10.2 15.2

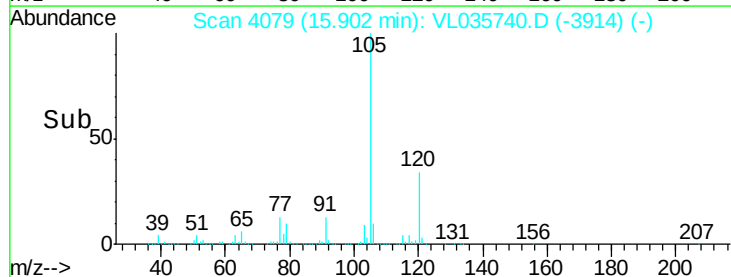
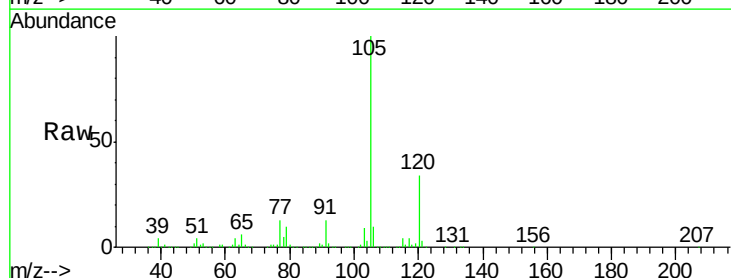
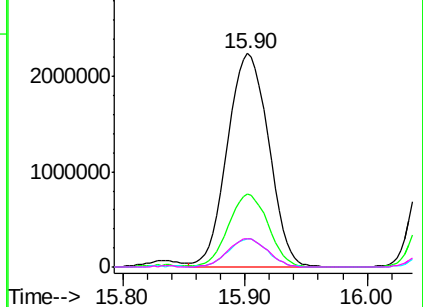
77 12.7 10.3 15.5

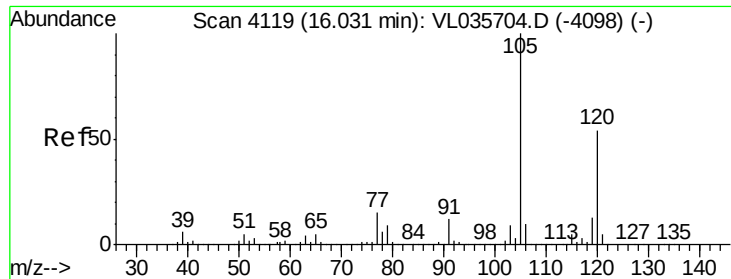
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 11.171 ppbv

RT: 16.06 min Scan# 4128

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4911528

Ion Ratio Lower Upper

105 100

120 52.2

43.0

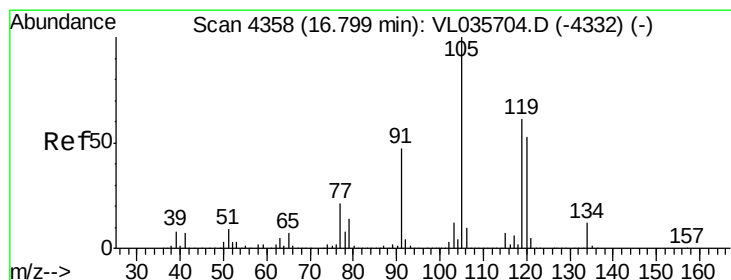
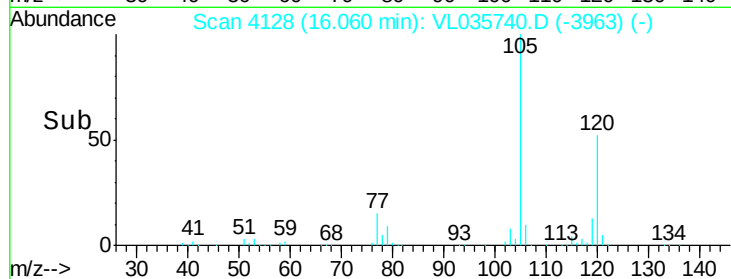
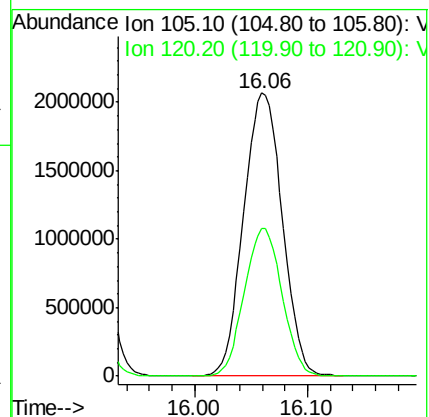
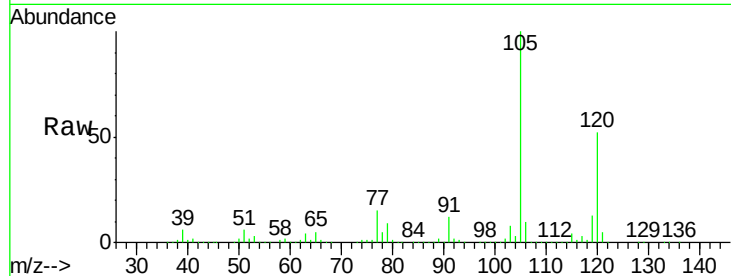
64.4

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#74

1,2,4-Trimethylbenzene

Concen: 10.394 ppbv

RT: 16.83 min Scan# 4367

Delta R.T. 0.03 min

Lab File: VL035740.D

Acq: 30 Sep 2020 1:31

Tgt Ion:105 Resp: 5151533

Ion Ratio Lower Upper

105 100

120 53.7

42.5

63.7

91 50.5

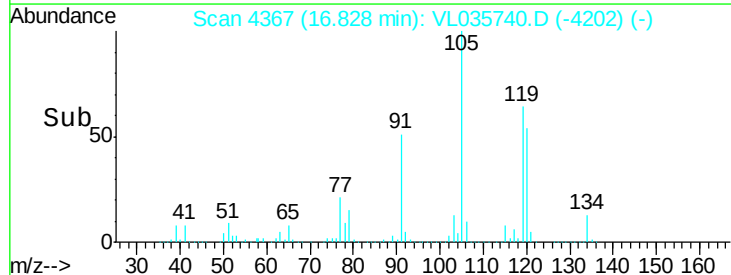
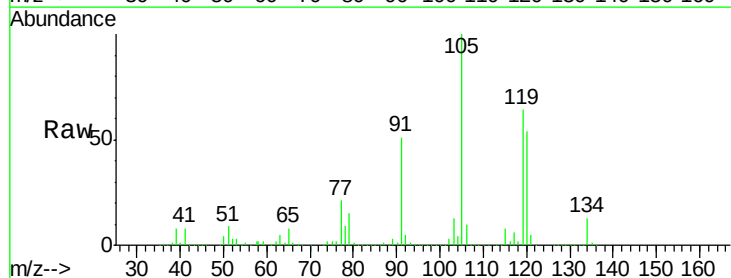
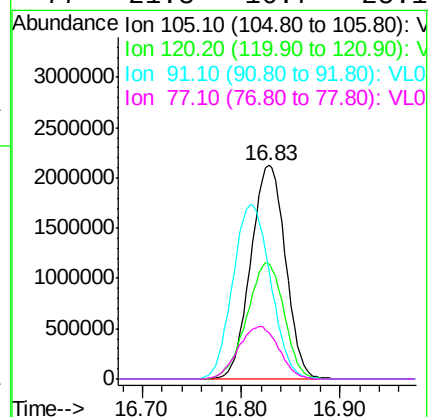
37.7

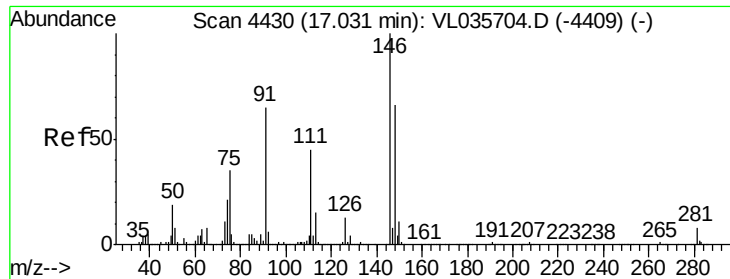
56.5

77 21.3

16.7

25.1





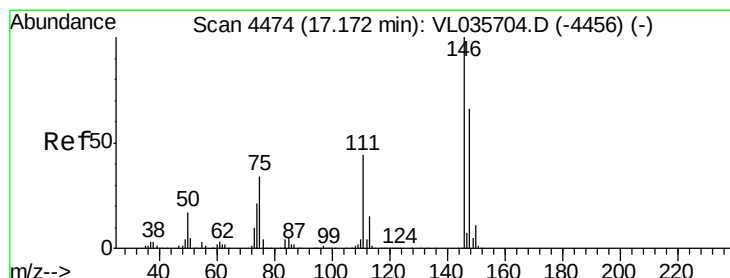
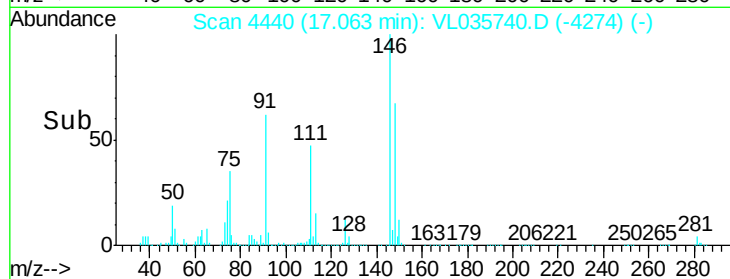
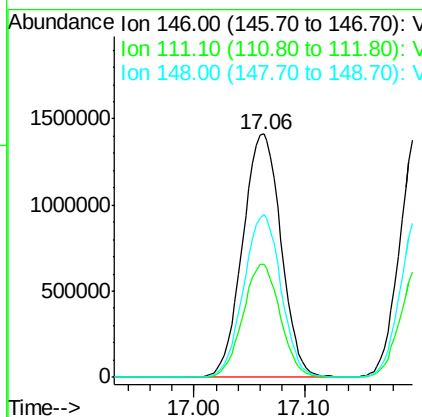
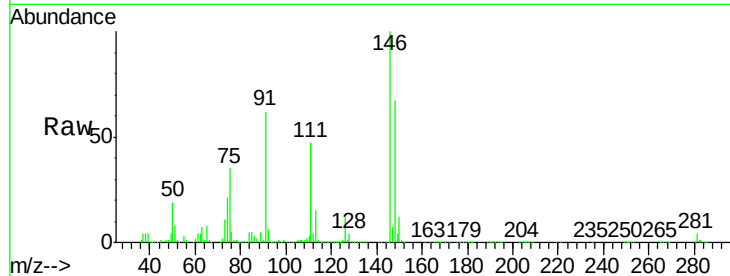
#75
 1,3-Dichlorobenzene
 Concen: 10.048 ppbv
 RT: 17.06 min Scan# 4440
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.1	22.4	67.0
148	65.4	33.0	99.0

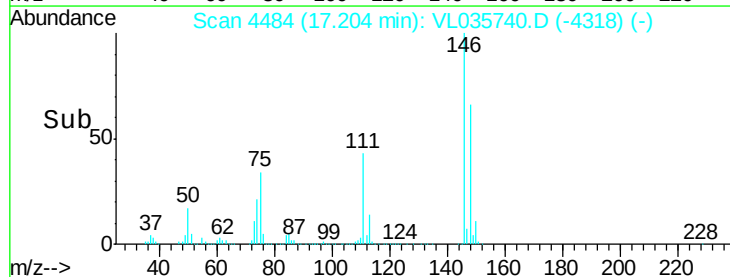
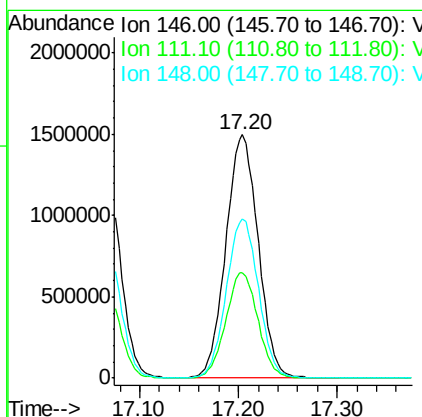
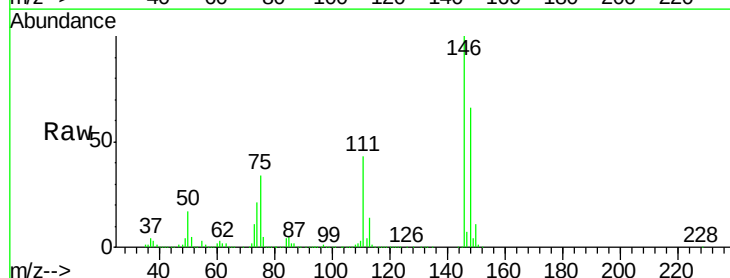
Manual Integrations
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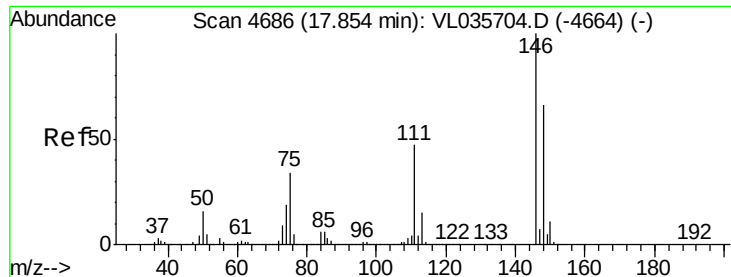
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#76
 1,4-Dichlorobenzene
 Concen: 10.548 ppbv
 RT: 17.20 min Scan# 4484
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.3	21.4	64.3
148	65.5	32.6	98.0





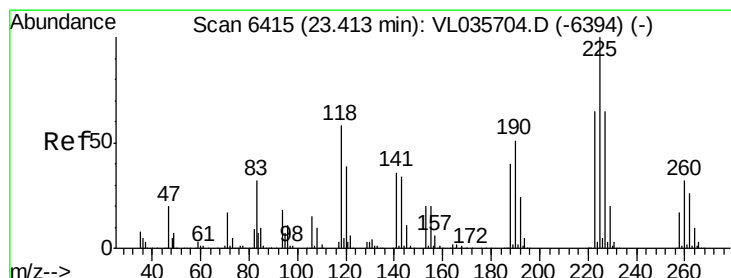
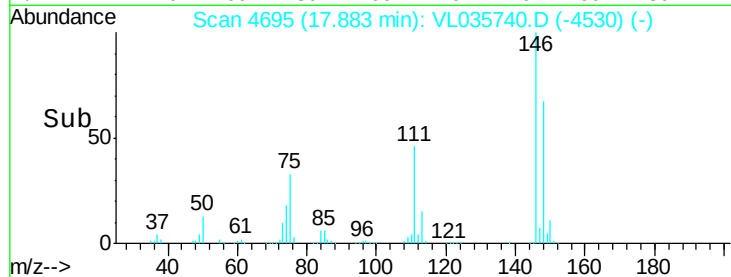
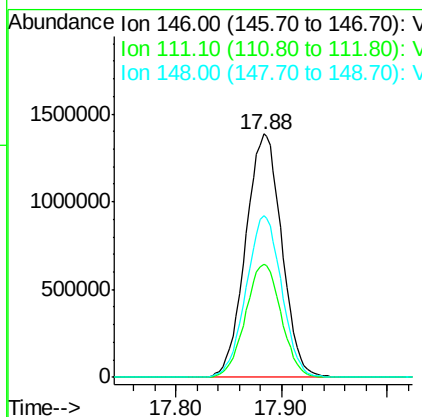
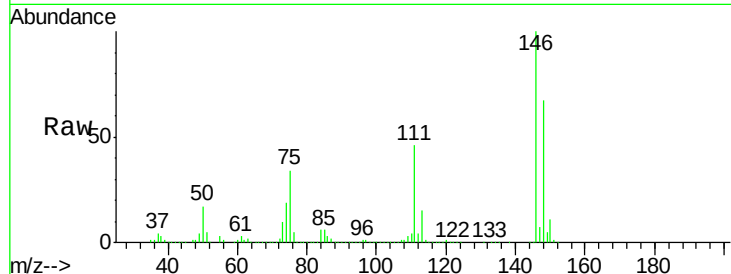
#77
 1,2-Dichlorobenzene
 Concen: 10.315 ppbv
 RT: 17.88 min Scan# 4695
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.3	22.9	68.5
148	65.3	32.6	98.0

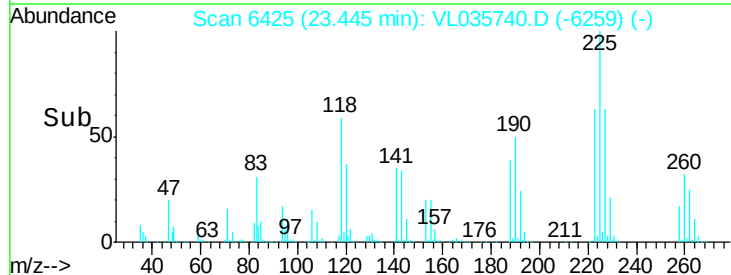
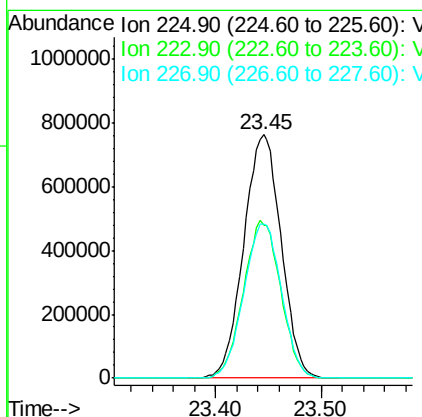
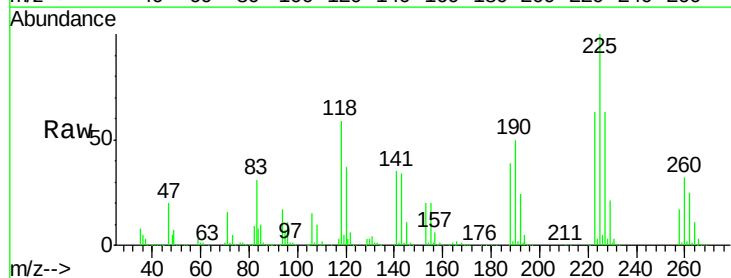
Manual Integrations
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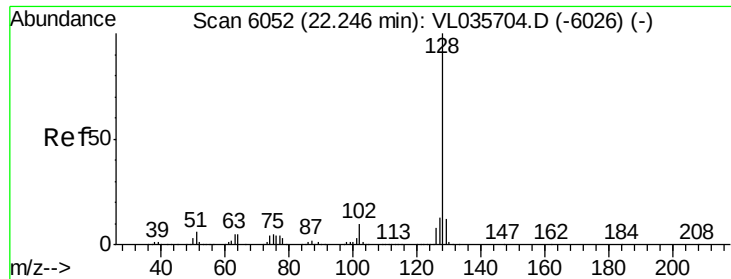
MMDadoda
 9/30/2020 5:32:19 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 10.686 ppbv
 RT: 23.45 min Scan# 6425
 Delta R.T. 0.03 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.4	51.3	76.9
227	64.0	51.6	77.4





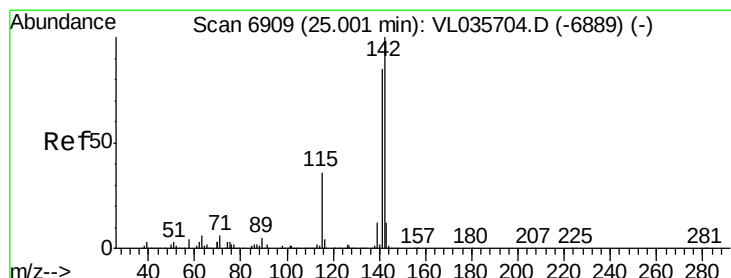
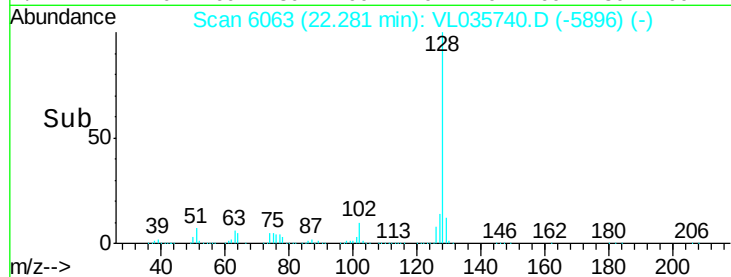
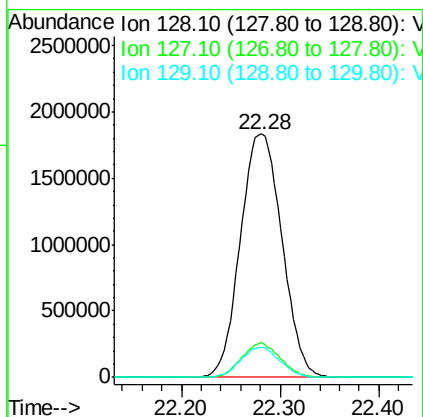
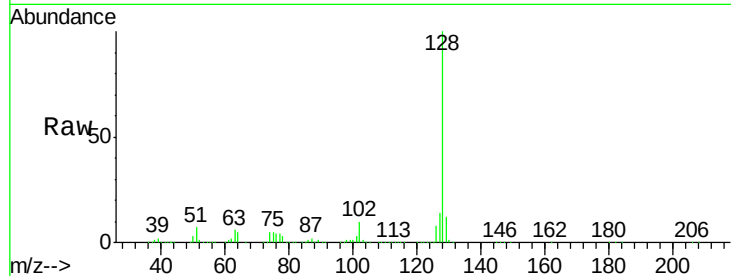
#79
Naphthalene
Concen: 11.296 ppbv
RT: 22.28 min Scan# 6063
Delta R.T. 0.04 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	14.1	10.6	15.8
129	12.4	9.4	14.0

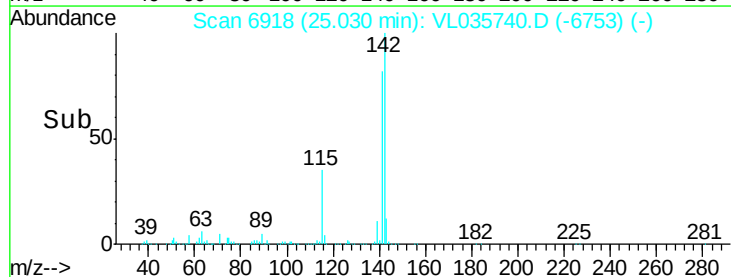
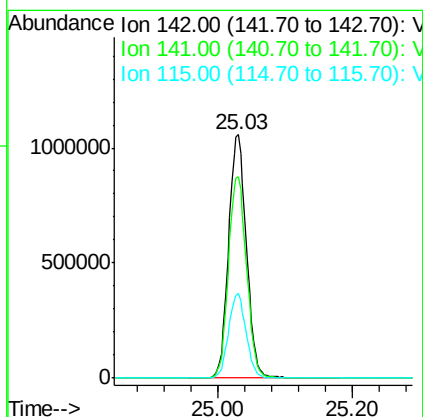
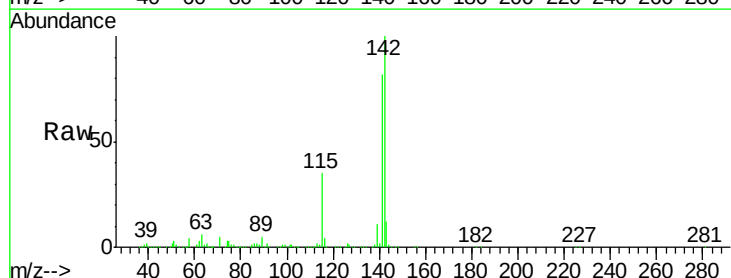
Manual Integrations
APPROVED

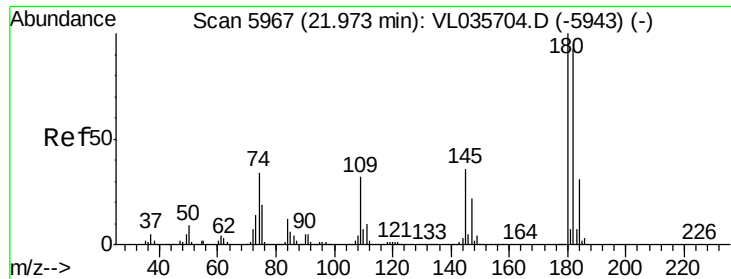
MMDadoda
9/30/2020 5:32:19 PM



#80
Naphthalene, 2-methyl-
Concen: 17.435 ppbv
RT: 25.03 min Scan# 6918
Delta R.T. 0.03 min
Lab File: VL035740.D
Acq: 30 Sep 2020 1:31

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.6	68.2	102.4
115	34.3	27.8	41.6





#81
 1,2,4-Trichlorobenzene
 Concen: 10.900 ppbv
 RT: 22.01 min Scan# 5978
 Delta R.T. 0.04 min
 Lab File: VL035740.D
 Acq: 30 Sep 2020 1:31

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.2	114.2
184	31.3	24.6	37.0

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 5:32:19 PM

