

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL092920\
 Data File : VL035724.D
 Acq On : 29 Sep 2020 10:30
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
 APPROVED

MMDadoda
 9/30/2020 5:32:09 PM

Quant Time: Sep 30 02:50:16 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	5.68	49	1217140	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	4849656	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	5058920m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	3625968	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1782004	8.923	ppbv	99
3) Chlorodifluoromethane	2.98	51	1310470	10.008	ppbv	99
4) Chloromethane	3.14	50	690847	9.821	ppbv	98
5) Vinyl Chloride	3.26	62	821563	9.874	ppbv	99
6) Bromomethane	3.47	94	703820	10.007	ppbv	95
7) Chloroethane	3.56	64	306720	10.052	ppbv	98
8) Dichlorotetrafluoroethane	3.19	85	2281975	9.421	ppbv	100
9) Propene	3.01	41	504866	10.619	ppbv	99
10) Heptane	8.14	43	1402249	10.580	ppbv	99
11) Trichlorofluoromethane	3.95	101	2640357	9.266	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1975688	9.301	ppbv	98
13) Ethanol	3.61	45	104432	8.907	ppbv	99
14) Bromoethene	3.74	108	929773	10.391	ppbv	99
15) Acetone	3.85	43	1105715	8.443	ppbv	98
16) 1,3-Butadiene	3.33	39	507979	10.602	ppbv	99
17) tert-Butyl alcohol	4.30	59	1652838	11.586	ppbv	100
18) 1,1-Dichloroethene	4.29	96	938392	10.090	ppbv	99
19) Isopropyl Alcohol	3.98	45	774135	10.866	ppbv #	96
20) Methylene Chloride	4.35	84	770725	8.012	ppbv	99
21) Allyl Chloride	4.42	41	672529	10.594	ppbv	100
22) trans-1,2-Dichloroethene	4.89	96	968481	9.857	ppbv	97
23) Vinyl Acetate	5.08	43	1821751	11.357	ppbv	98
24) 1,1-Dichloroethane	5.02	63	1735696	9.934	ppbv	99
25) Ethyl Acetate	5.69	43	2339533	9.928	ppbv	100
26) Hexane	5.70	57	1304118	10.099	ppbv	99
27) Carbon Disulfide	4.55	76	2090148	10.859	ppbv	100
28) Methyl tert-Butyl Ether	5.04	73	2408807	11.767	ppbv	100
29) Chloroform	5.76	83	2586460	9.863	ppbv	99
30) Cyclohexane	7.14	84	1446478	11.353	ppbv	98
31) cis-1,2-Dichloroethene	5.56	61	1419035	11.383	ppbv	99
32) 1,1,1-Trichloroethane	6.53	97	2562478	11.085	ppbv	99
34) 2-Butanone	5.25	43	1608562	10.028	ppbv	98
35) Carbon Tetrachloride	7.03	117	2599152	10.279	ppbv	98
36) Benzene	6.91	78	3339751	10.569	ppbv	100
37) 1,2-Dichloroethane	6.32	62	1620226	9.837	ppbv	100
38) Trichloroethene	7.85	130	1645706	10.440	ppbv	98
39) 1,2-Dichloropropane	7.63	63	1149905	10.039	ppbv	99
40) 1,4-Dioxane	7.84	88	551465	10.528	ppbv	95
41) Tetrahydrofuran	6.06	42	923833	11.432	ppbv	99
42) Bromodichloromethane	7.81	83	2734304	10.306	ppbv	100
43) Methyl Methacrylate	8.03	69	1396572	11.112	ppbv	98

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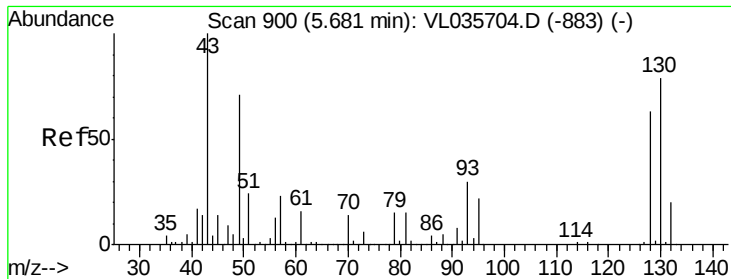
Manual Integrations
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 9/30/2020 5:32:09 PM

Quant Time: Sep 30 02:50:16 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
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.89	57	4379262	9.658	ppbv	100
45) t-1,3-Dichloropropene	9.30	75	1582016	12.468	ppbv	97
46) cis-1,3-Dichloropropene	8.73	75	1886859	12.064	ppbv	99
47) 1,1,2-Trichloroethane	9.50	97	1606217	9.790	ppbv	99
48) Dibromochloromethane	10.33	129	2692054	10.782	ppbv	100
49) Bromoform	13.07	173	2400309	11.330	ppbv	100
50) 4-Methyl-2-Pentanone	8.76	43	2353538	10.045	ppbv	99
51) 2-Hexanone	10.16	43	1979492	10.487	ppbv #	99
52) Tetrachloroethene	11.25	164	1577554	10.381	ppbv	98
53) Toluene	9.83	91	4104470	11.015	ppbv	99
54) 1,2-Dibromoethane	10.64	107	2520286	10.259	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	2071184	9.764	ppbv	98
57) Chlorobenzene	12.18	112	3432334	8.983	ppbv	99
58) Ethyl Benzene	12.74	91	5294876	10.428	ppbv	99
59) m/p-Xylene	13.02	91	8465222m	19.091	ppbv	
60) o-Xylene	13.73	91	4365046	9.731	ppbv	99
61) Styrene	13.56	104	3502667	11.293	ppbv	99
62) Isopropylbenzene	14.70	105	6602928	9.490	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	3144409	8.549	ppbv	100
64) n-propylbenzene	15.59	120	2044516	10.041	ppbv	97
65) tert-Butylbenzene	16.78	119	6097894	9.640	ppbv	98
66) Benzyl Chloride	17.02	91	2211246	11.538	ppbv	98
67) sec-Butylbenzene	17.33	105	8033542	9.197	ppbv	99
69) p-Isopropyltoluene	17.69	119	6816050	9.591	ppbv	99
70) n-Butylbenzene	18.59	91	6687231	9.138	ppbv	99
71) 2-Chlorotoluene	15.49	91	5049826	9.951	ppbv	99
72) 4-Ethyltoluene	15.87	105	5380916	10.127	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	4973267	9.904	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	5138903	9.079	ppbv	97
75) 1,3-Dichlorobenzene	17.03	146	3489321	9.029	ppbv	98
76) 1,4-Dichlorobenzene	17.18	146	3471019	9.396	ppbv	99
77) 1,2-Dichlorobenzene	17.85	146	3380603	9.262	ppbv	99
78) Hexachloro-1,3-Butadiene	23.42	225	1856596	9.219	ppbv	99
79) Naphthalene	22.25	128	5083590	9.416	ppbv	99
80) Naphthalene, 2-methyl-	25.00	142	1632586	12.820	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	2700629	9.652	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.68 min Scan# 899

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 49 Resp: 1217140

Ion Ratio Lower Upper

49 100

128 87.8 43.1 129.4

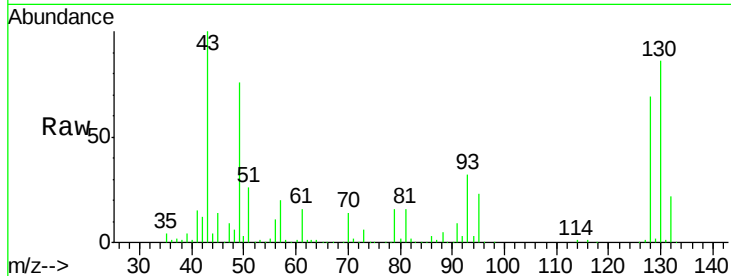
130 112.5 54.9 164.7

Manual Integrations

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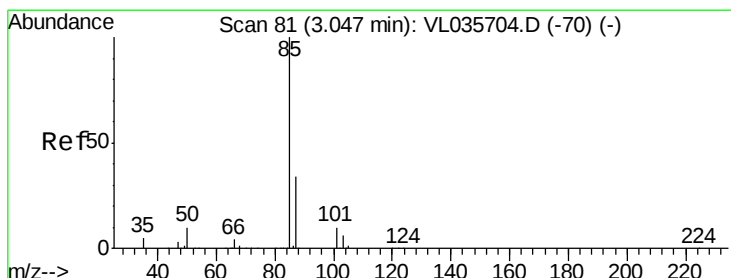
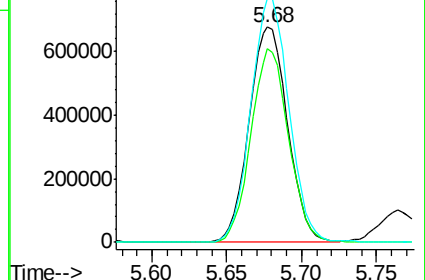
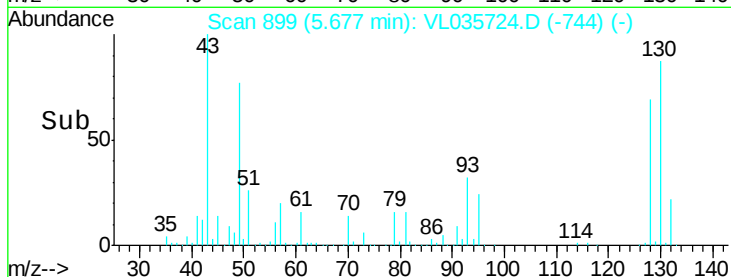
9/30/2020 5:32:09 PM



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 8.923 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.00 min

Lab File: VL035724.D

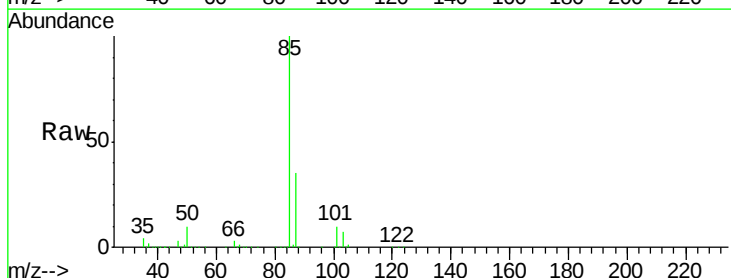
Acq: 29 Sep 2020 10:30

Tgt Ion: 85 Resp: 1782004

Ion Ratio Lower Upper

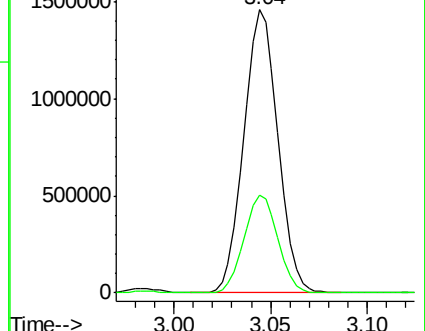
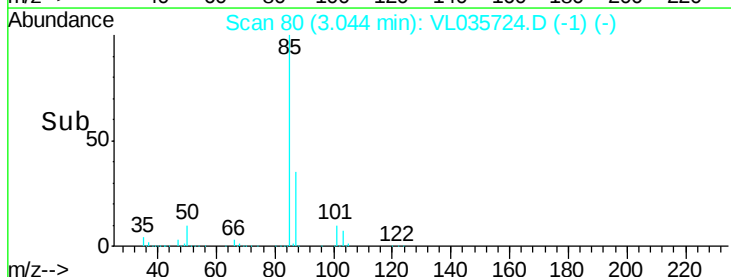
85 100

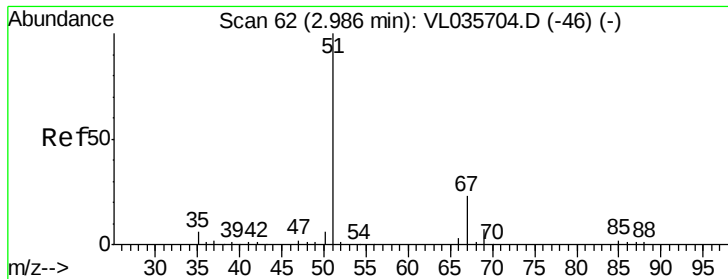
87 34.6 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 10.008 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Tot Ion: 51 Resp: 1310470

Ion Ratio Lower Upper

51 100

67 21.8 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

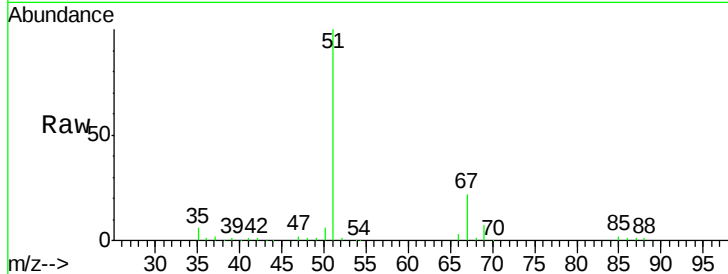
VSTDCCC010

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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

1200000

1000000

800000

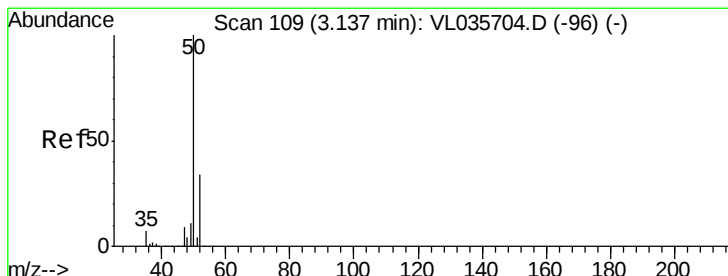
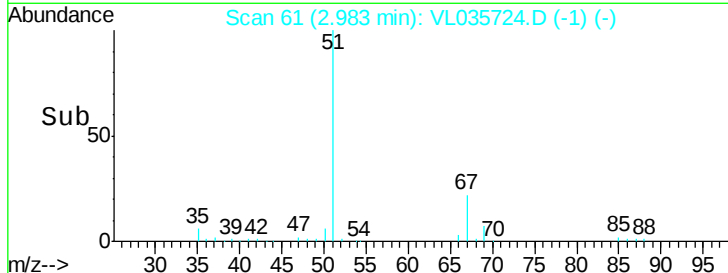
600000

400000

200000

0

Time-->



#4

Chloromethane

Concen: 9.821 ppbv

RT: 3.14 min Scan# 109

Delta R.T. 0.00 min

Lab File: VL035724.D

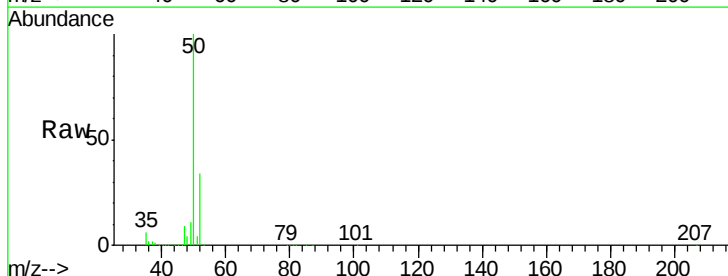
Acq: 29 Sep 2020 10:30

Tgt Ion: 50 Resp: 690847

Ion Ratio Lower Upper

50 100

52 34.4 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

600000

500000

400000

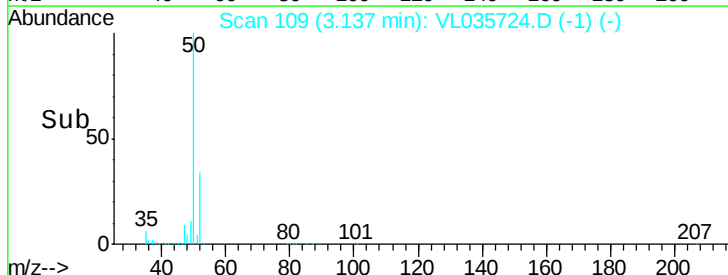
300000

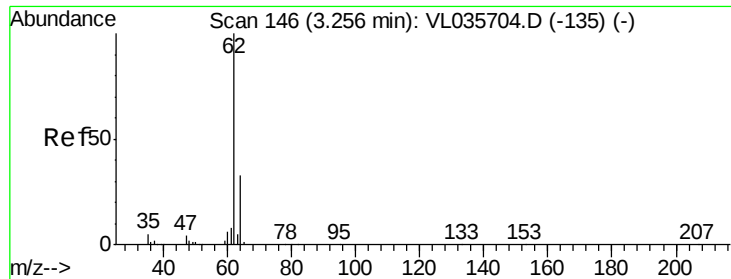
200000

100000

0

Time-->





#5

Vinyl Chloride

Concen: 9.874 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 62 Resp: 821563

Ion Ratio Lower Upper

62 100

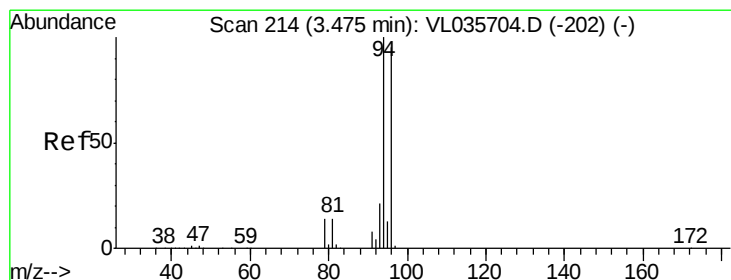
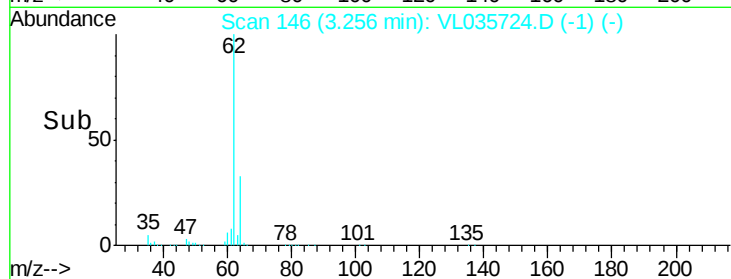
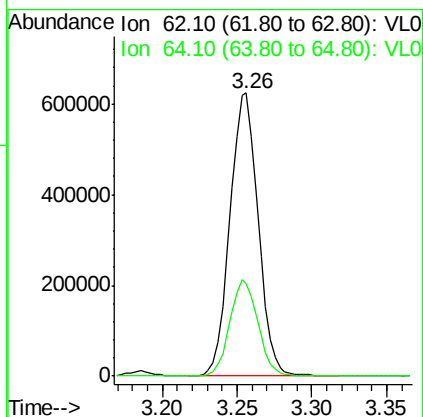
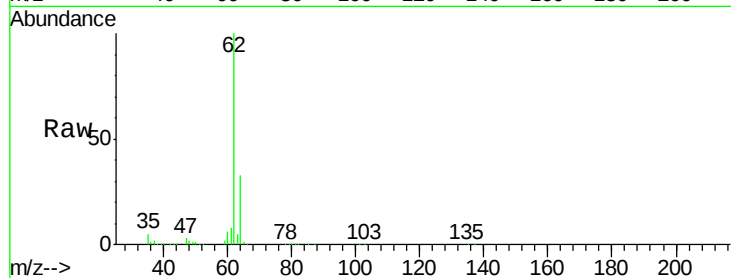
64 32.8 26.8 40.2

Manual Integrations

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#6

Bromomethane

Concen: 10.007 ppbv

RT: 3.47 min Scan# 213

Delta R.T. -0.00 min

Lab File: VL035724.D

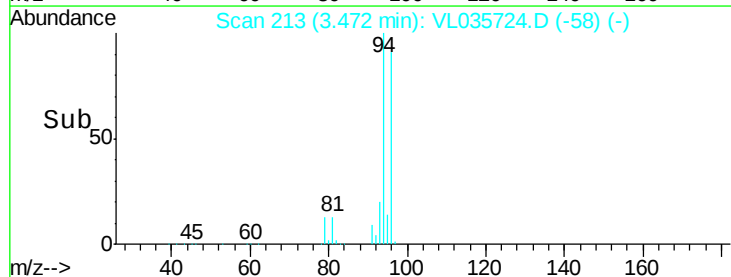
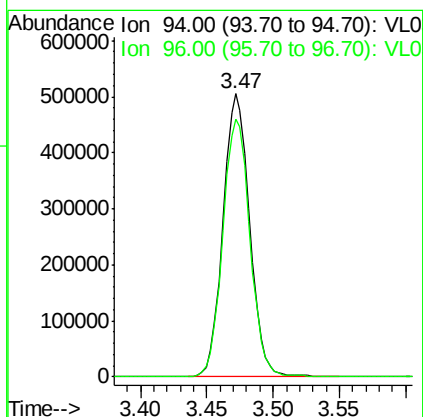
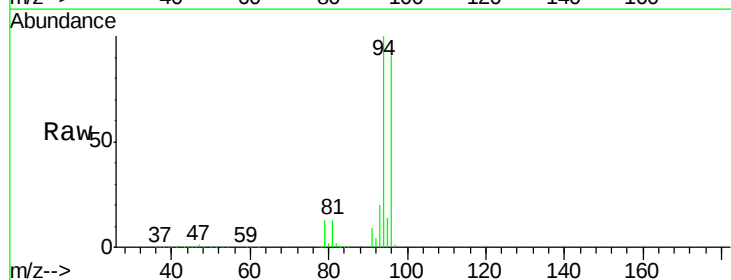
Acq: 29 Sep 2020 10:30

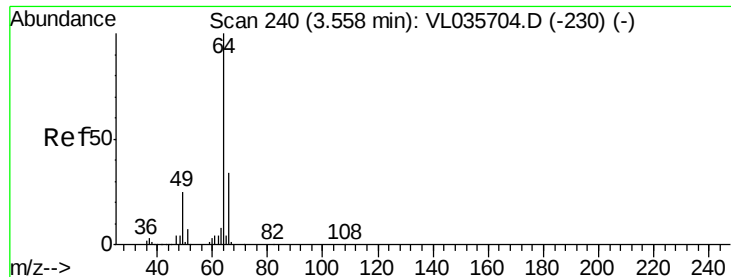
Tgt Ion: 94 Resp: 703820

Ion Ratio Lower Upper

94 100

96 90.9 76.3 114.5





#7

Chloroethane

Concen: 10.052 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 64 Resp: 306720

Ion Ratio Lower Upper

64 100

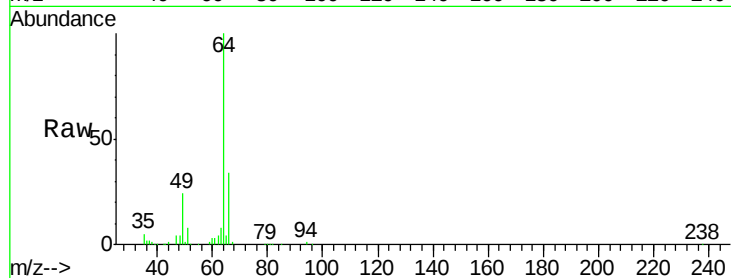
66 34.5 26.9 40.3

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

250000

200000

150000

100000

50000

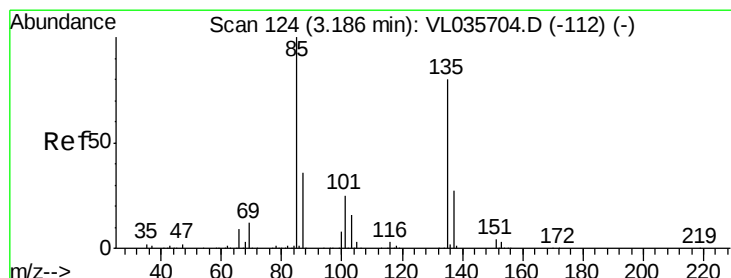
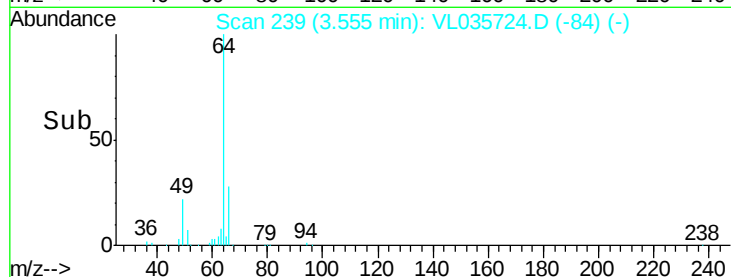
0

3.50

3.55

3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.421 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL035724.D

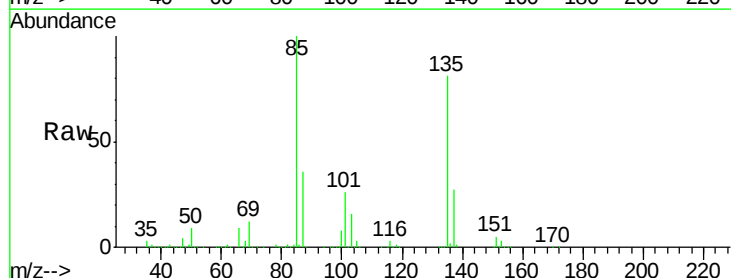
Acq: 29 Sep 2020 10:30

Tgt Ion: 85 Resp: 2281975

Ion Ratio Lower Upper

85 100

135 80.5 64.3 96.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

1500000

1000000

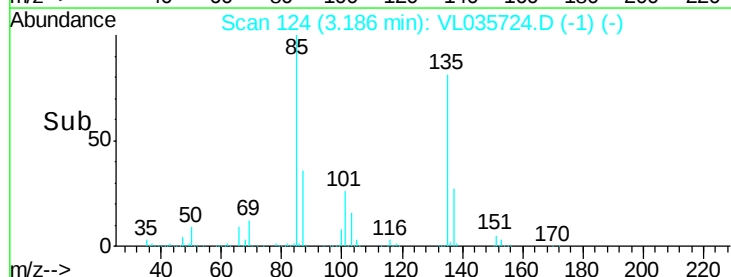
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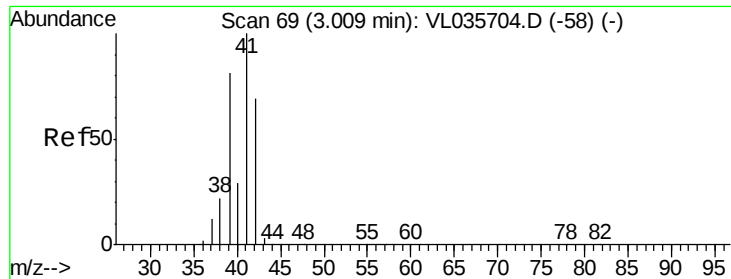
0

3.15

3.20

Time-->





#9

Propene

Concen: 10.619 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 504866

Ion Ratio Lower Upper

41 100

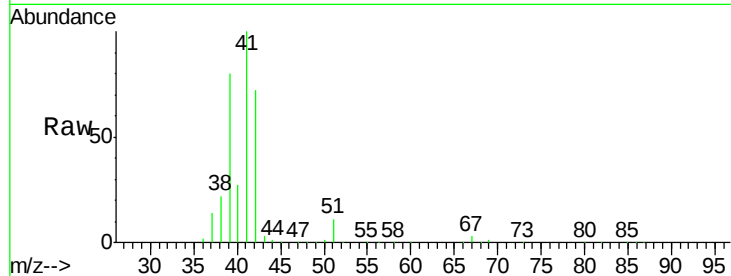
42 71.0 56.2 84.4

Manual Integrations

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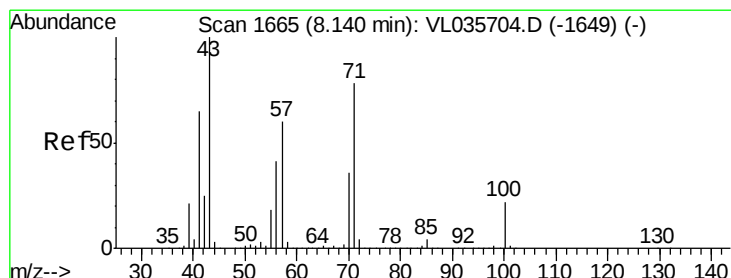
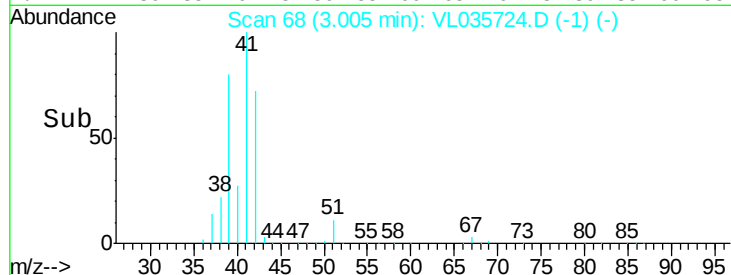
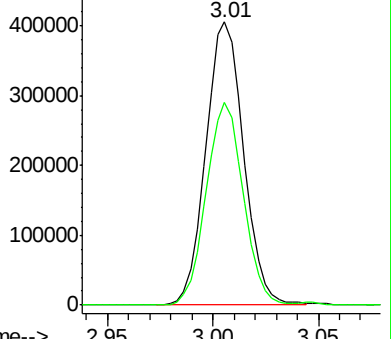
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 10.580 ppbv

RT: 8.14 min Scan# 1665

Delta R.T. 0.00 min

Lab File: VL035724.D

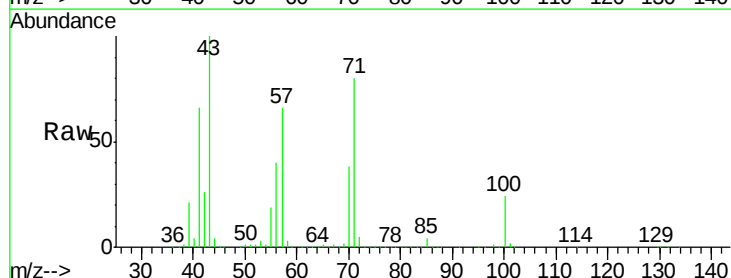
Acq: 29 Sep 2020 10:30

Tgt Ion: 43 Resp: 1402249

Ion Ratio Lower Upper

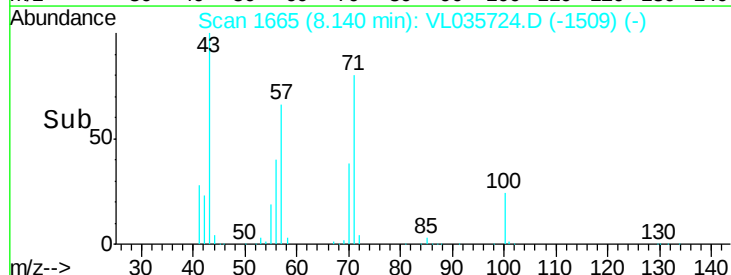
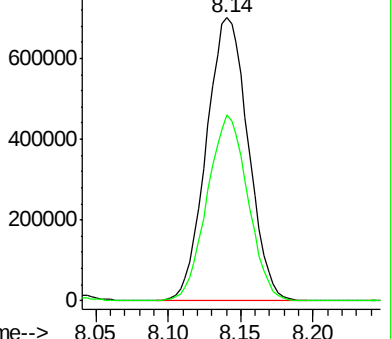
43 100

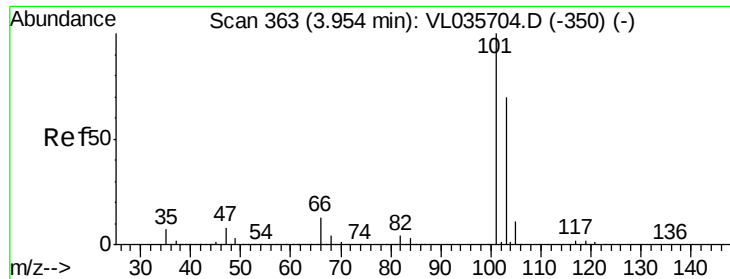
57 63.8 50.4 75.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





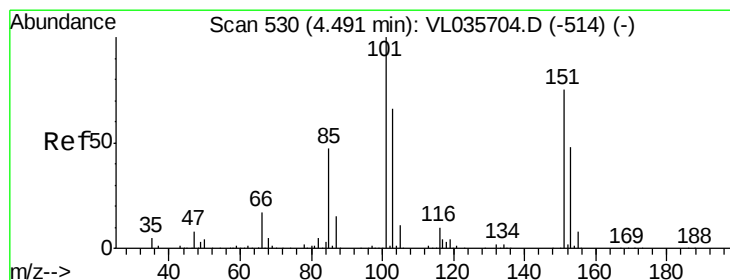
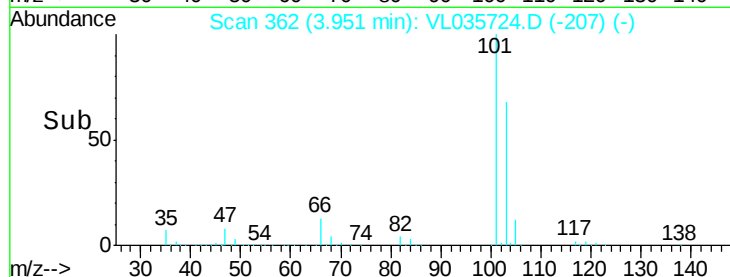
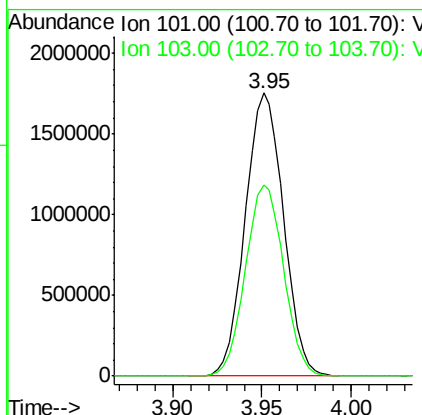
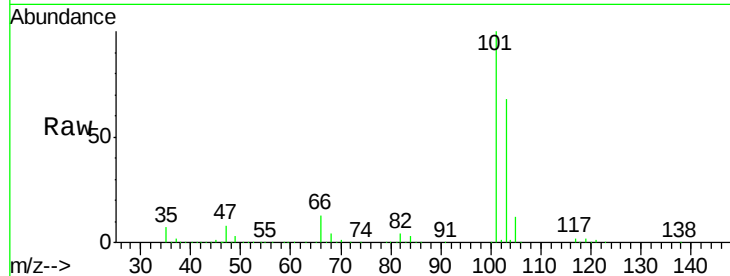
#11
 Trichlorofluoromethane
 Concen: 9.266 ppbv
 RT: 3.95 min Scan# 362
 Delta R.T. -0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:101 Resp: 2640357
 Ion Ratio Lower Upper
 101 100
 103 67.6 55.6 83.4

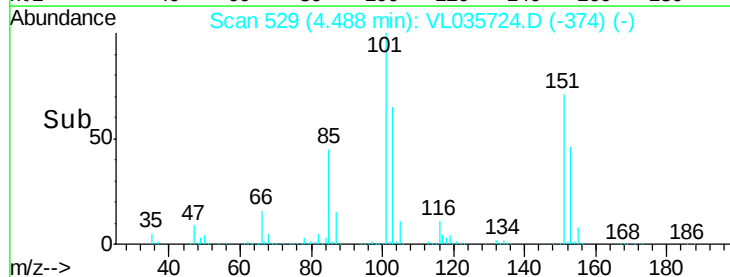
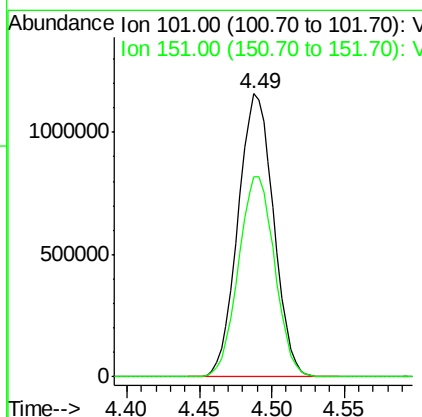
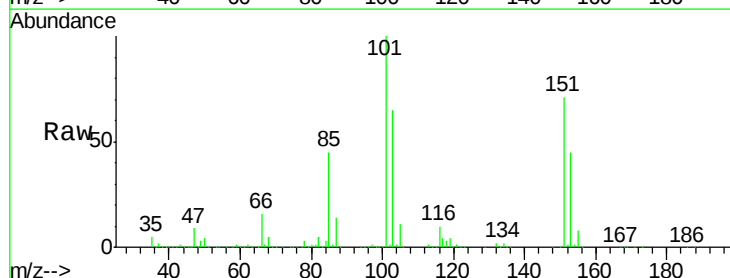
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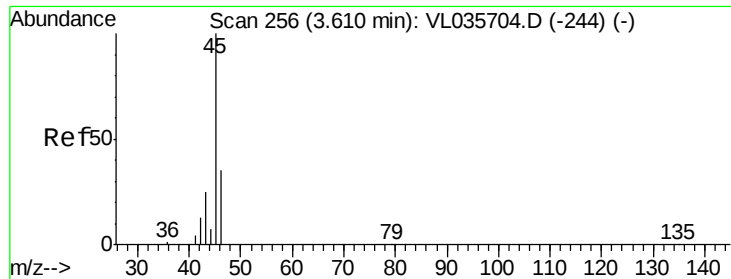
MMDadoda
 9/30/2020 5:32:09 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.301 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. -0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion:101 Resp: 1975688
 Ion Ratio Lower Upper
 101 100
 151 72.3 59.1 88.7





#13

Ethanol

Concen: 8.907 ppbv

RT: 3.61 min Scan# 256

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 45 Resp: 104432

Ion Ratio Lower Upper

45 100

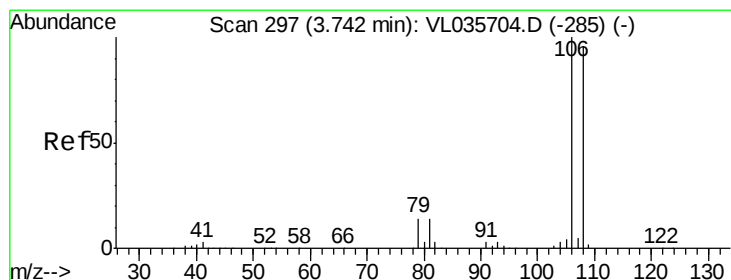
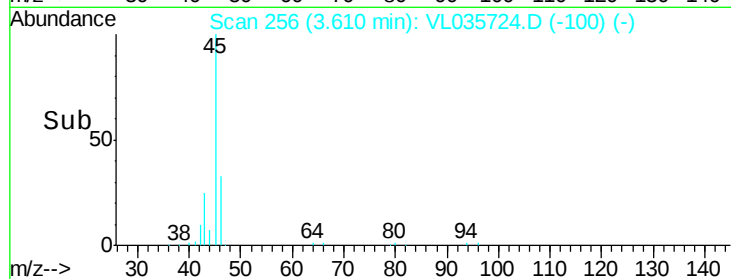
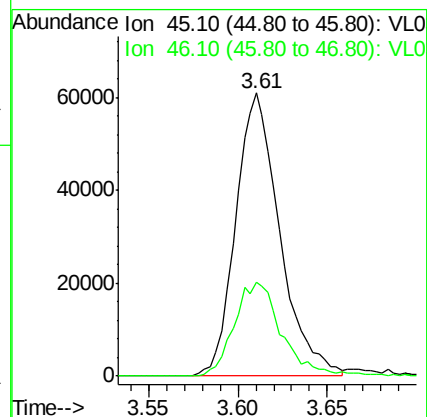
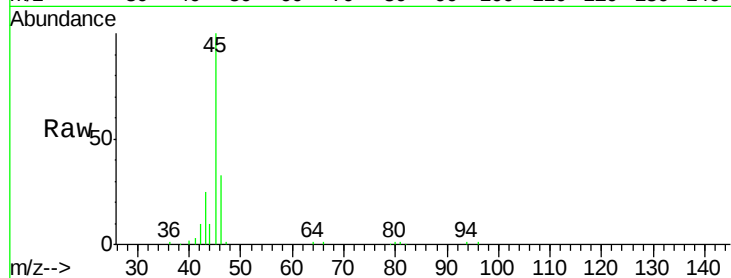
46 36.1 14.7 58.7

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#14

Bromoethene

Concen: 10.391 ppbv

RT: 3.74 min Scan# 296

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

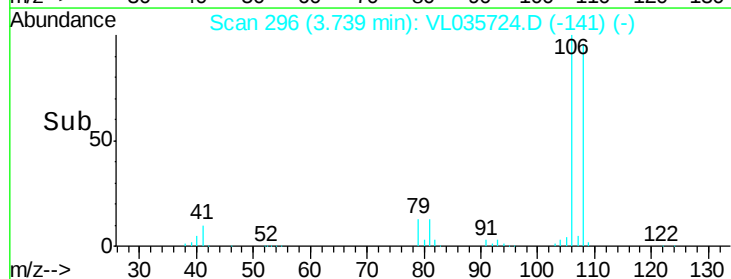
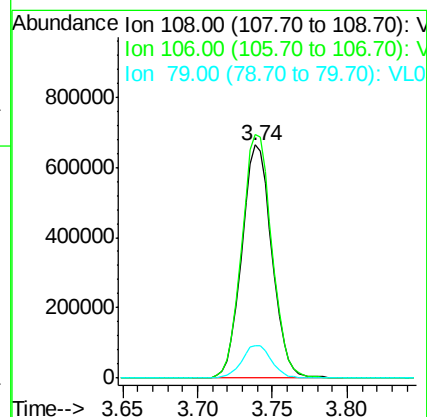
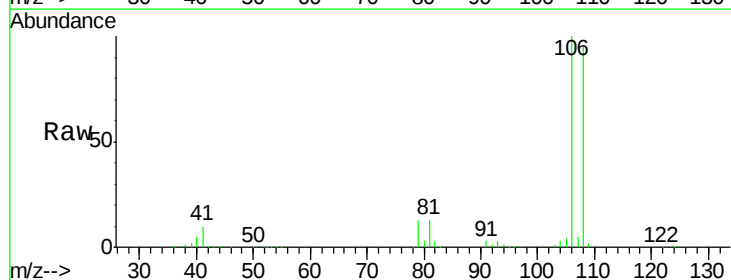
Tgt Ion: 108 Resp: 929773

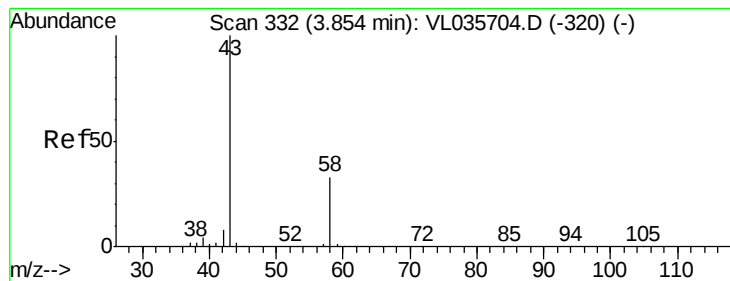
Ion Ratio Lower Upper

108 100

106 105.1 84.6 126.8

79 13.9 11.6 17.4





#15

Acetone

Concen: 8.443 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1105715

Ion Ratio Lower Upper

43 100

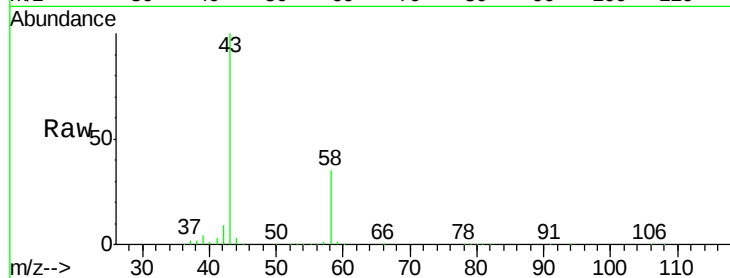
58 35.2 27.3 40.9

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.85

800000

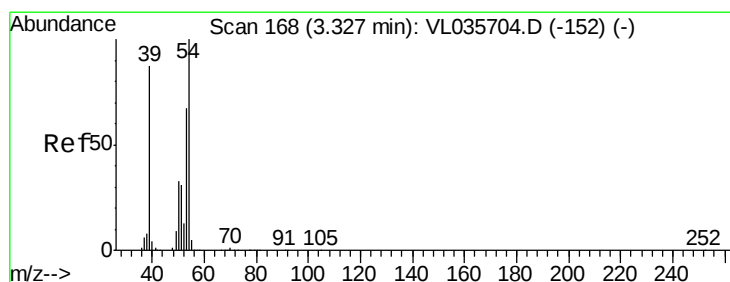
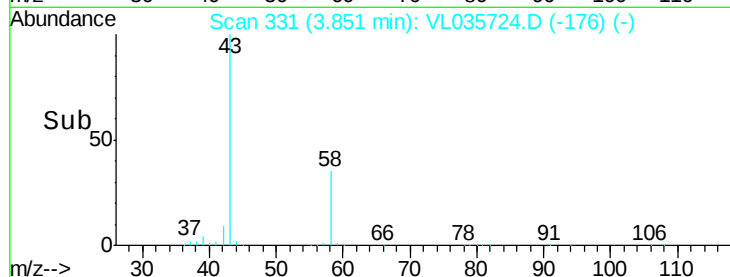
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 10.602 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL035724.D

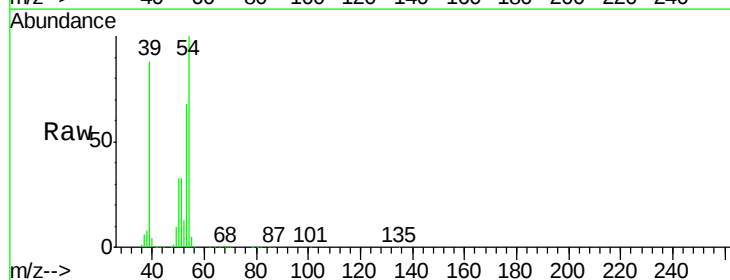
Acq: 29 Sep 2020 10:30

Tgt Ion: 39 Resp: 507979

Ion Ratio Lower Upper

39 100

54 110.3 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.33

500000

400000

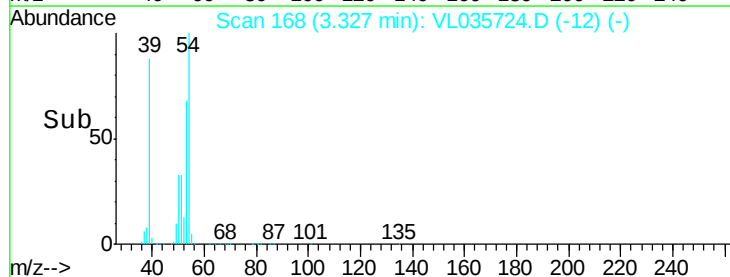
300000

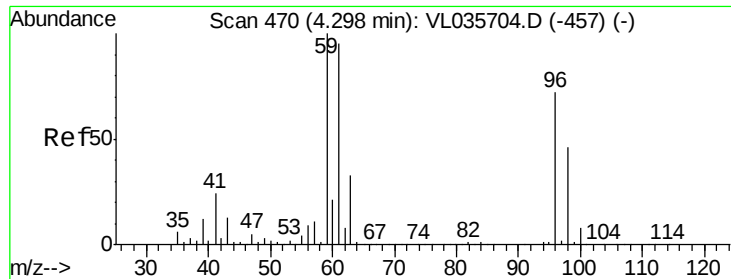
200000

100000

0

Time-->





#17

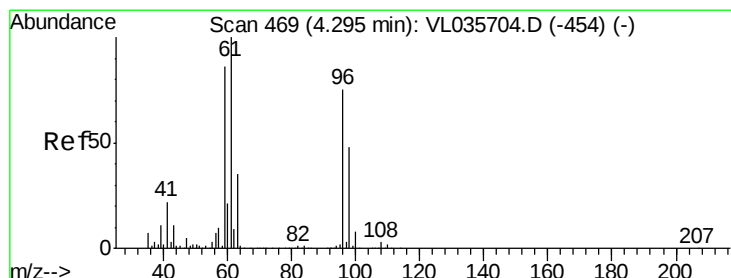
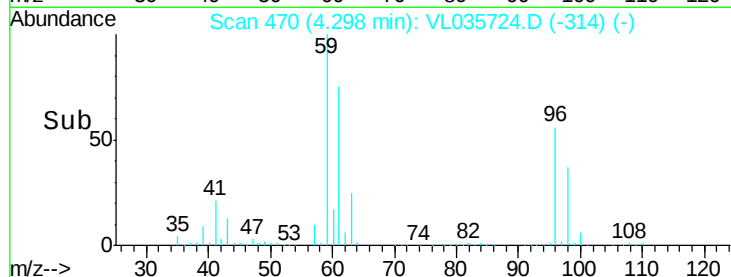
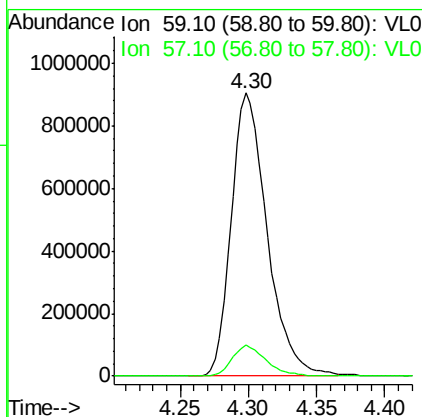
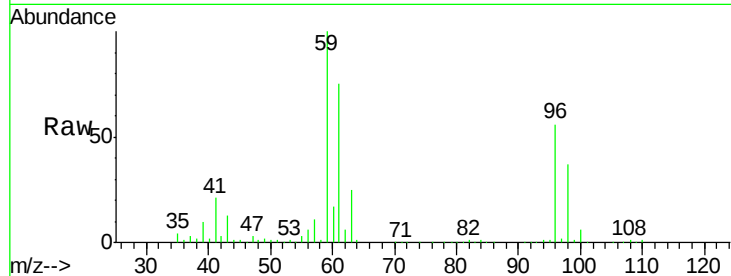
tert-Butyl alcohol
Concen: 11.586 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 59 Resp: 1652838
Ion Ratio Lower Upper
59 100
57 10.5 8.5 12.7

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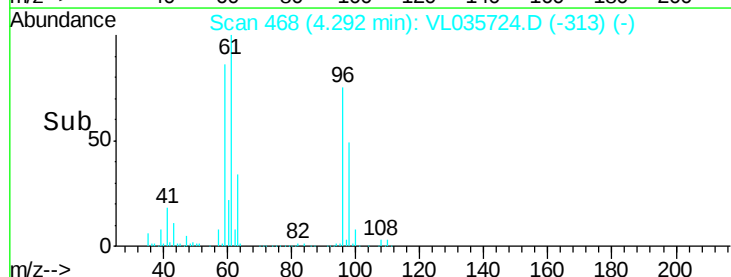
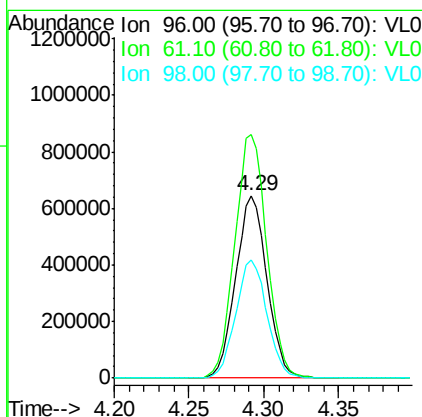
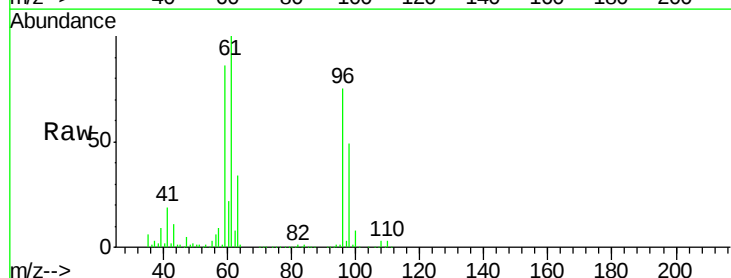
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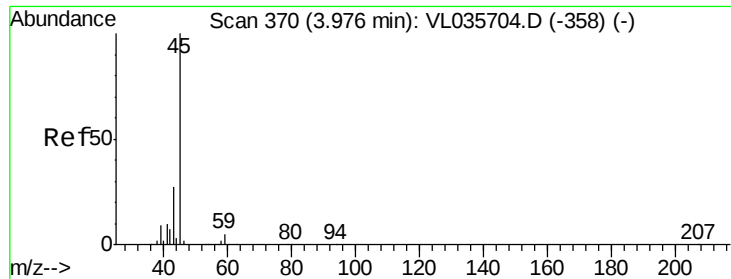


#18

1,1-Dichloroethene
Concen: 10.090 ppbv
RT: 4.29 min Scan# 468
Delta R.T. -0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion: 96 Resp: 938392
Ion Ratio Lower Upper
96 100
61 133.6 106.7 160.1
98 64.9 50.8 76.2





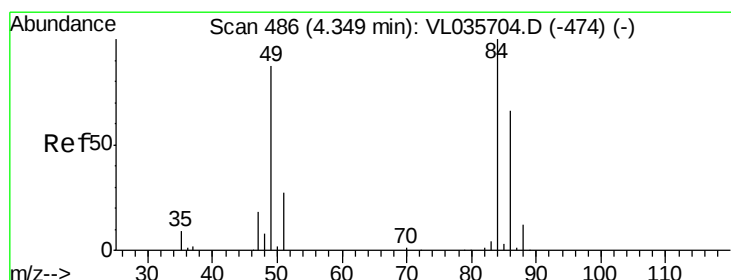
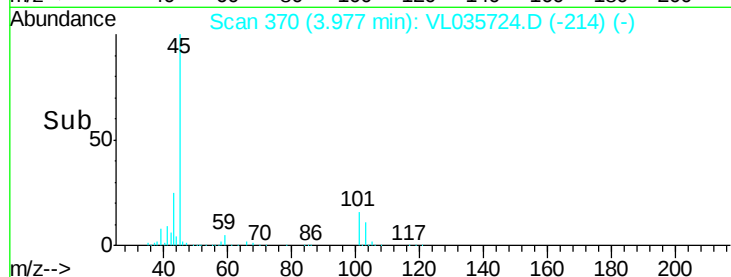
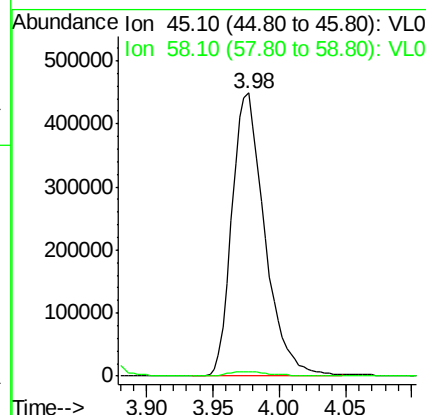
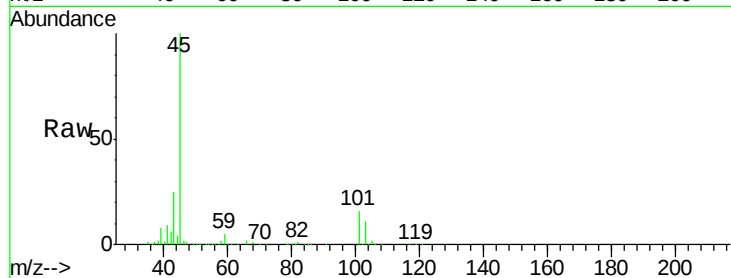
#19
Isopropyl Alcohol
Concen: 10.866 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 45 Resp: 774135
Ion Ratio Lower Upper
45 100
58 2.1 2.8 4.2#

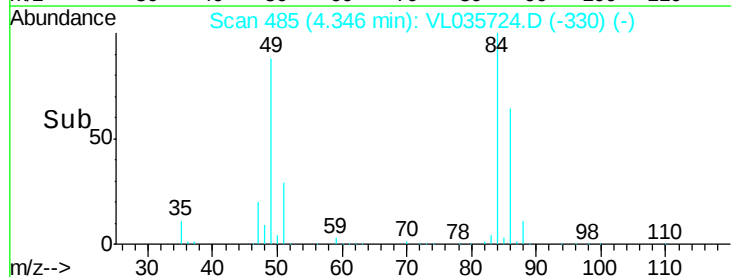
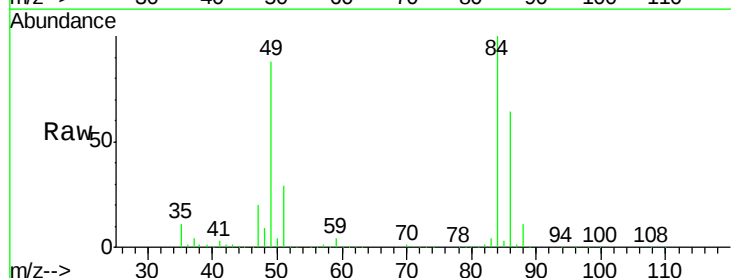
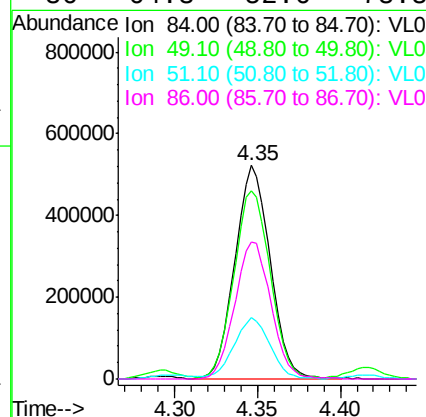
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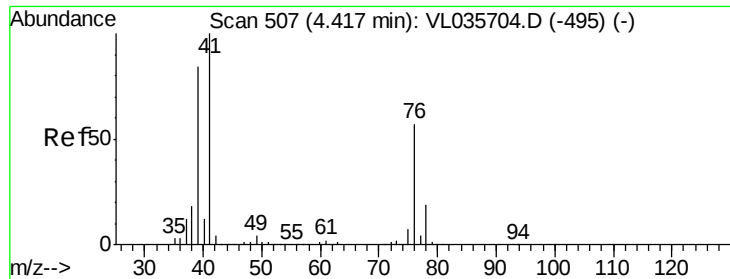
MMDadoda
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#20
Methylene Chloride
Concen: 8.012 ppbv
RT: 4.35 min Scan# 485
Delta R.T. -0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion: 84 Resp: 770725
Ion Ratio Lower Upper
84 100
49 87.5 69.8 104.6
51 28.1 21.8 32.8
86 64.3 52.6 78.8





#21

Allvl Chloride

Concen: 10.594 ppbv

RT: 4.42 min Scan# 507

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 41 Resp: 672529

Ion Ratio Lower Upper

41 100

76 56.3 44.8 67.2

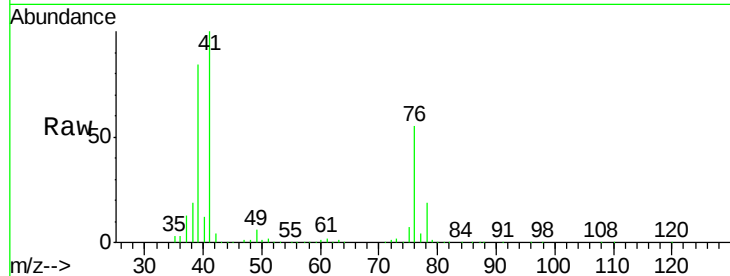
39 85.3 68.4 102.6

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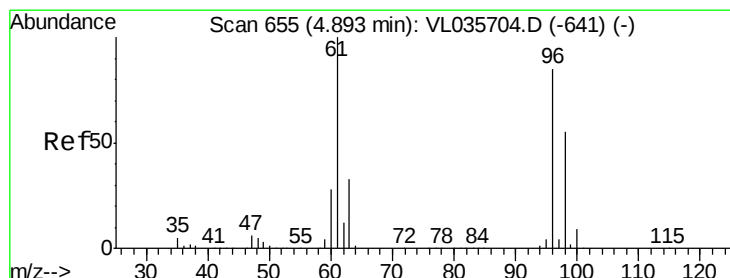
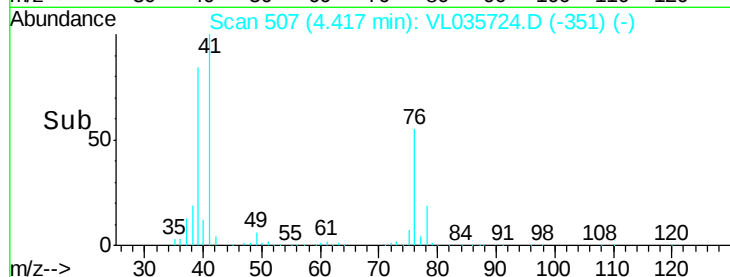
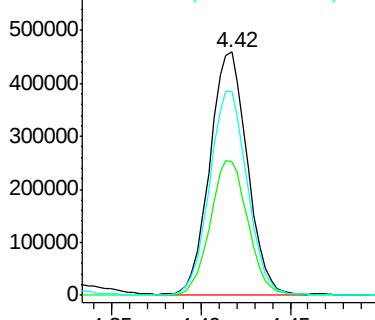


Abundance

Ion 41.10 (40.80 to 41.80): VL0

Ion 76.10 (75.80 to 76.80): VL0

Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 9.857 ppbv

RT: 4.89 min Scan# 654

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

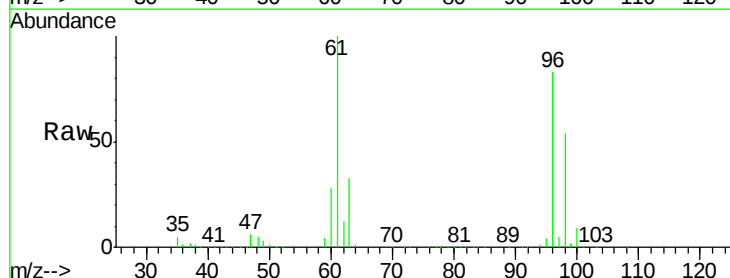
Tgt Ion: 96 Resp: 968481

Ion Ratio Lower Upper

96 100

61 120.6 93.7 140.5

98 65.7 51.2 76.8

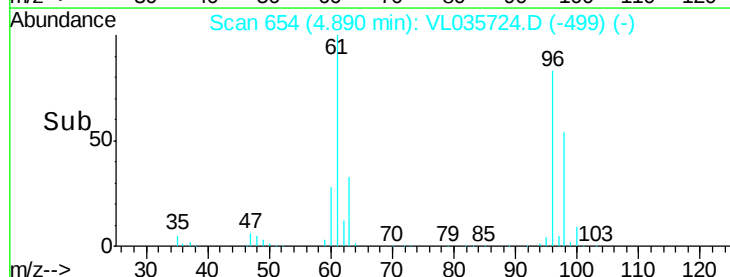
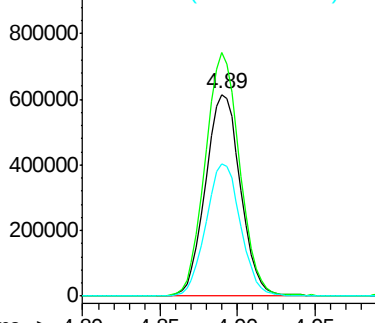


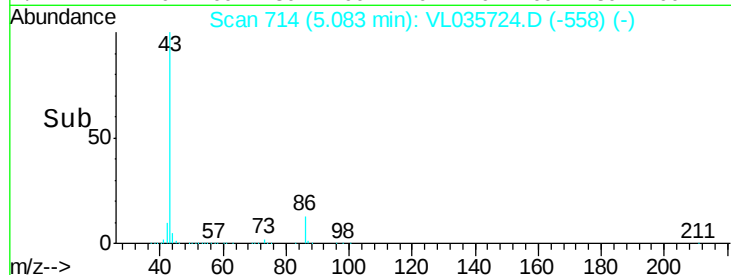
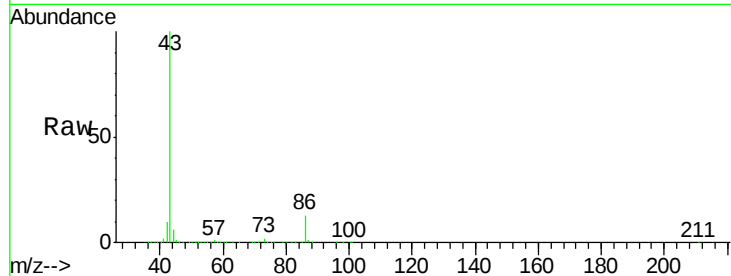
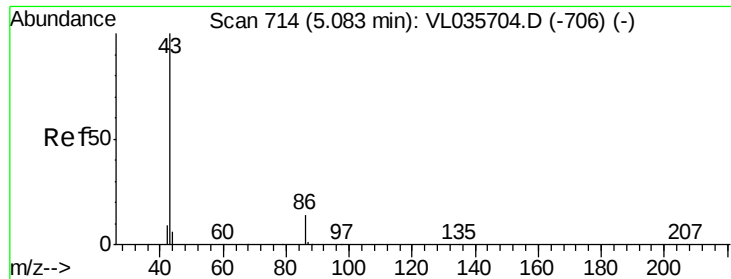
Abundance

Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#23

Vinyl Acetate

Concen: 11.357 ppbv

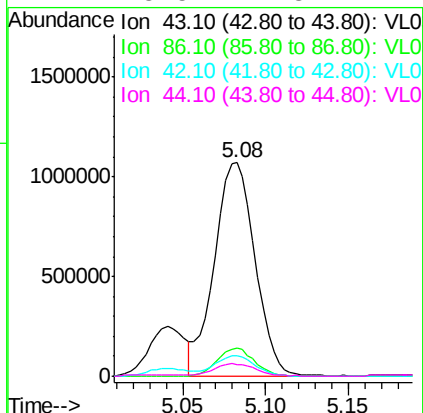
RT: 5.08 min Scan# 714

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Tot Ion	43	Resp	1821751
Ion	Ratio	Lower	Upper
43	100		
86	13.1	9.7	14.5
42	9.7	7.9	11.9
44	5.5	4.8	7.2



Instrument :

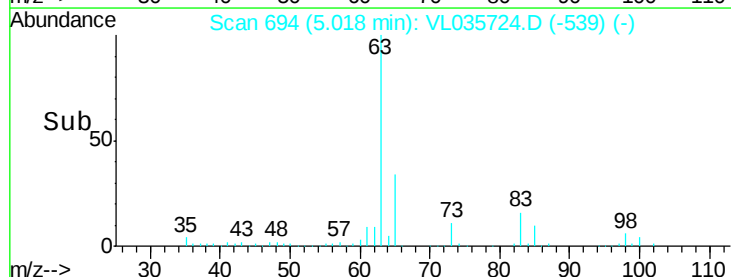
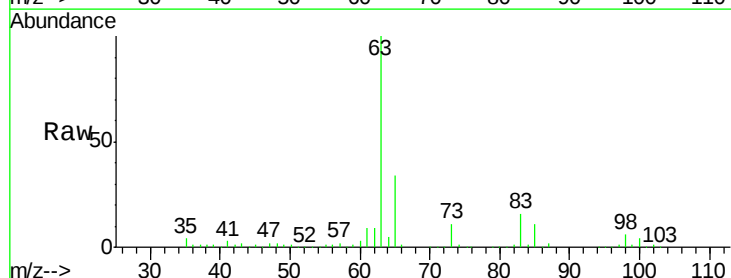
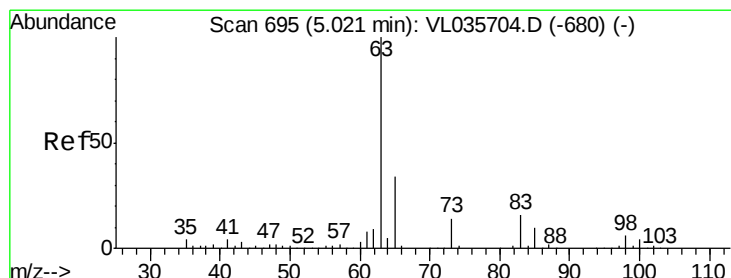
MSVOA_L

ClientSampleId :

VSTDCCC010

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#24

1,1-Dichloroethane

Concen: 9.934 ppbv

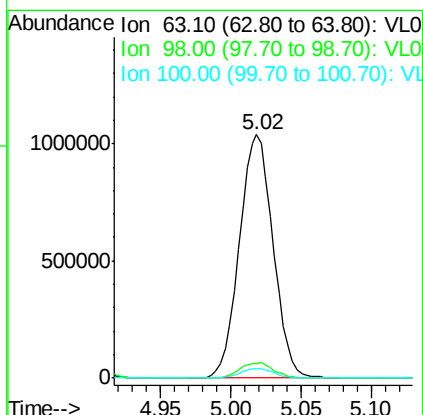
RT: 5.02 min Scan# 694

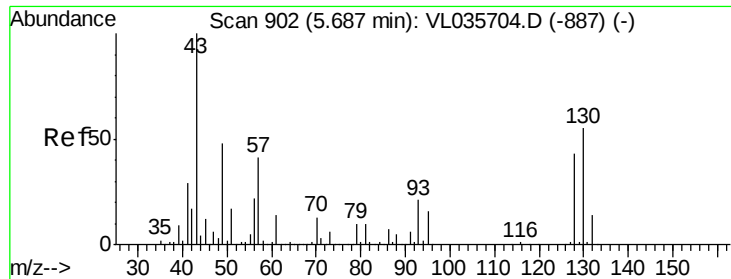
Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Tgt Ion	63	Resp	1735696
Ion	Ratio	Lower	Upper
63	100		
98	6.1	3.3	9.8
100	3.9	2.0	5.8





#25

Ethyl Acetate

Concen: 9.928 ppbv

RT: 5.69 min Scan# 903

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 2339533

Ion Ratio Lower Upper

43 100

45 10.7 8.6 12.8

61 13.0 10.4 15.6

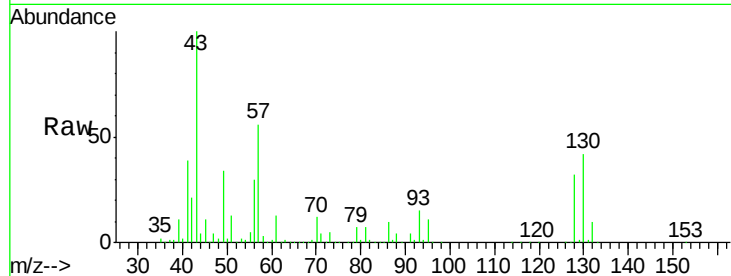
70 11.4 8.9 13.3

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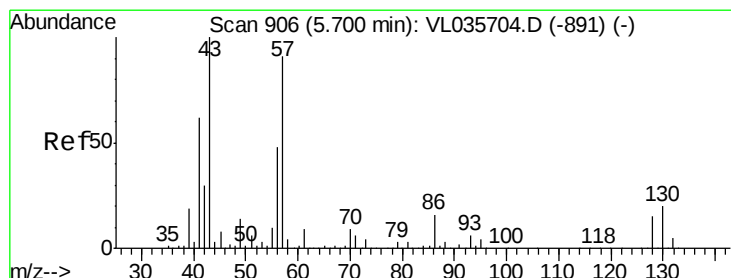
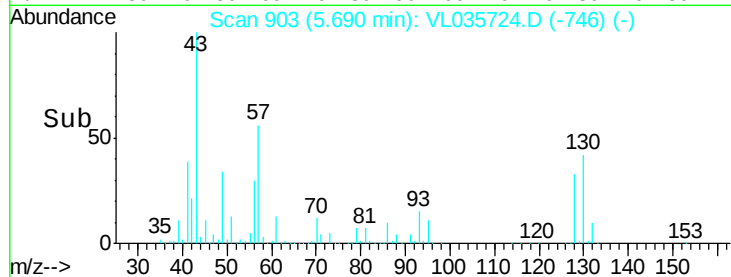
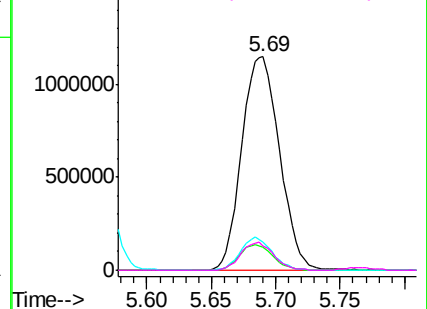


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.099 ppbv

RT: 5.70 min Scan# 905

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Tgt Ion: 57 Resp: 1304118

Ion Ratio Lower Upper

57 100

41 71.6 57.9 86.9

43 180.0 143.8 215.6

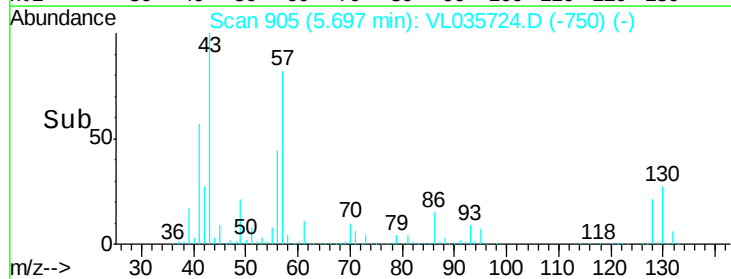
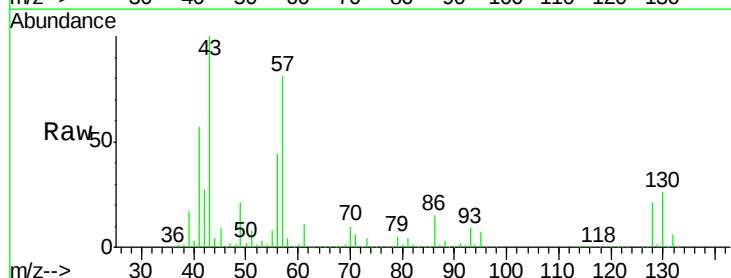
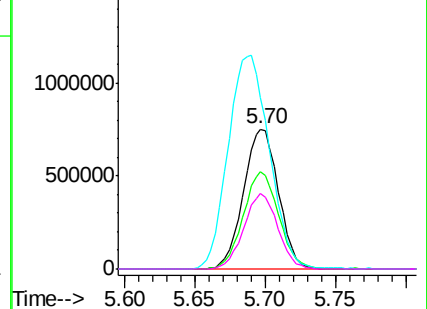
56 52.6 43.0 64.6

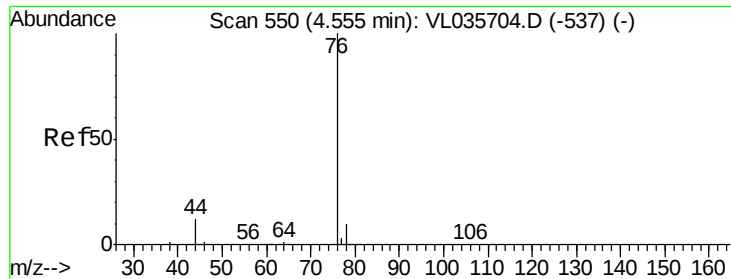
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.859 ppbv

RT: 4.55 min Scan# 549

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 76 Resp: 2090148

Ion Ratio Lower Upper

76 100

44 12.1 9.7 14.5

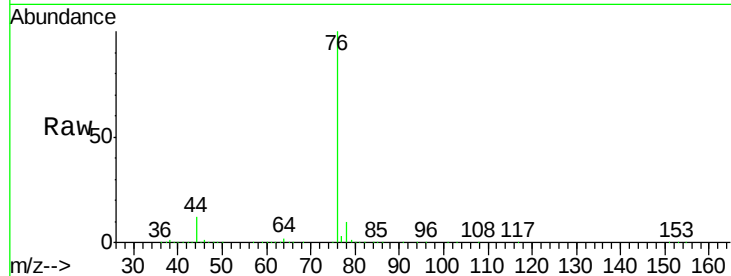
78 9.7 7.8 11.8

Manual Integrations

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MMDadoda

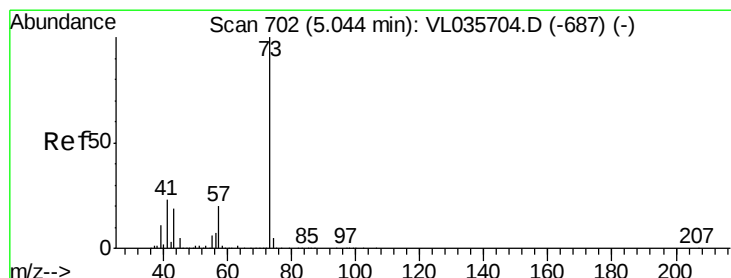
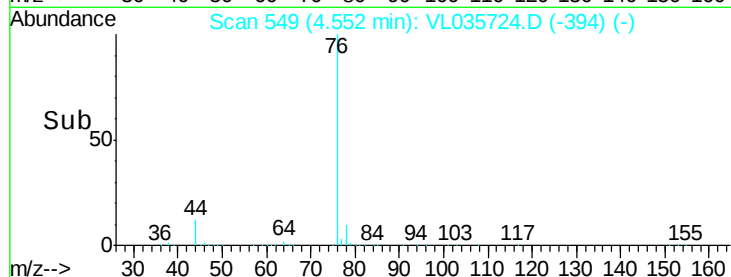
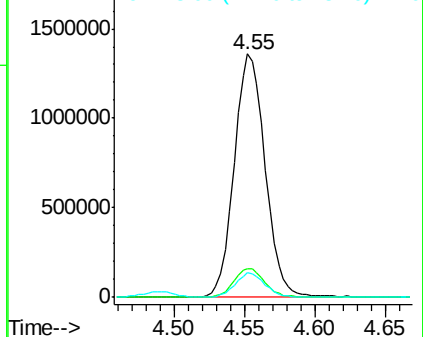
9/30/2020 5:32:09 PM



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: 11.767 ppbv

RT: 5.04 min Scan# 701

Delta R.T. -0.00 min

Lab File: VL035724.D

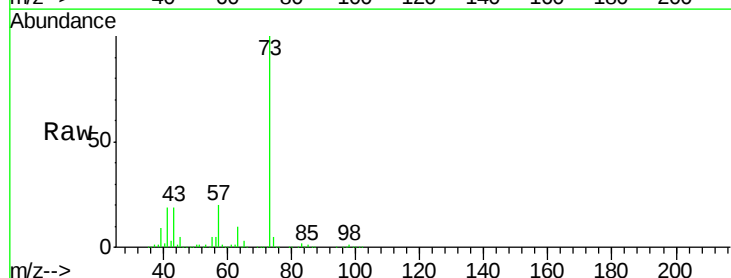
Acq: 29 Sep 2020 10:30

Tgt Ion: 73 Resp: 2408807

Ion Ratio Lower Upper

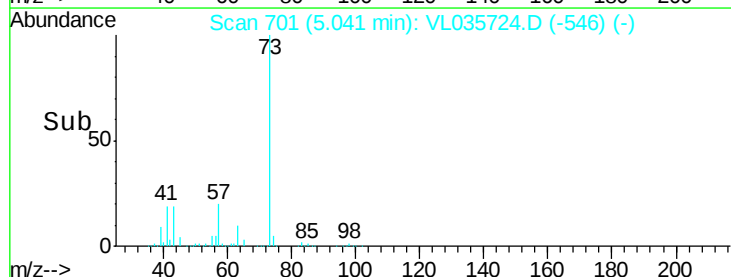
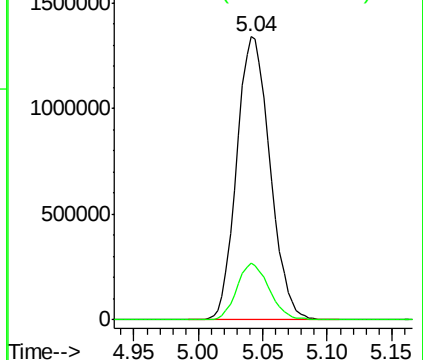
73 100

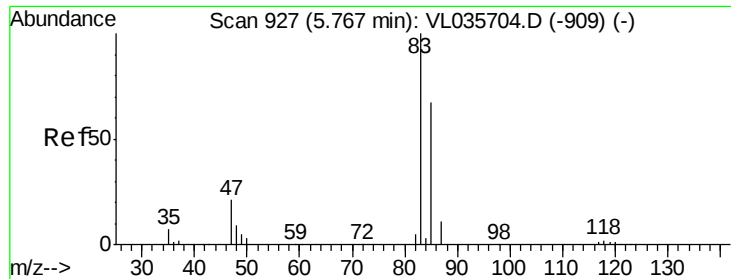
57 19.5 15.6 23.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





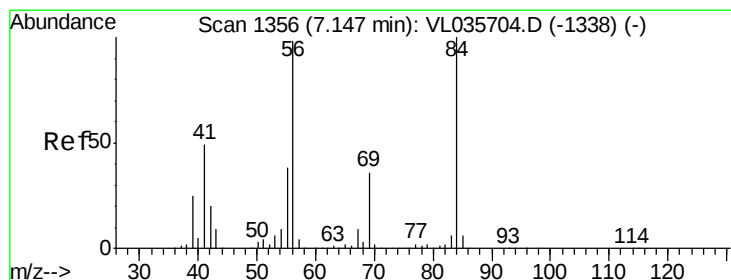
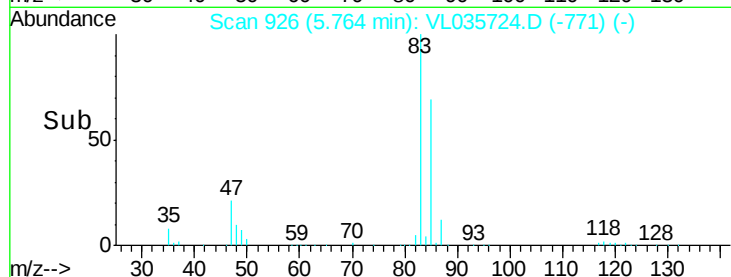
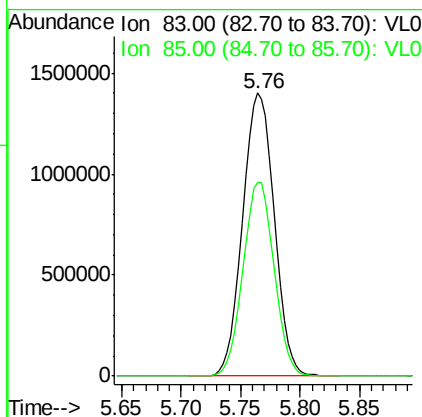
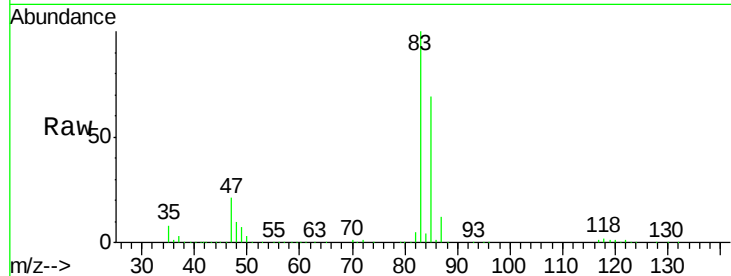
#29
Chloroform
Concen: 9.863 ppbv
RT: 5.76 min Scan# 926
Delta R.T. -0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 83 Resp: 2586460
Ion Ratio Lower Upper
83 100
85 68.5 54.0 81.0

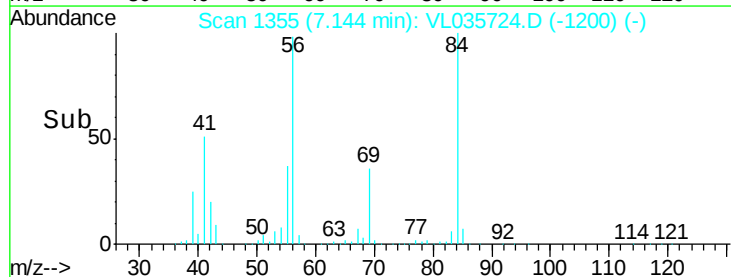
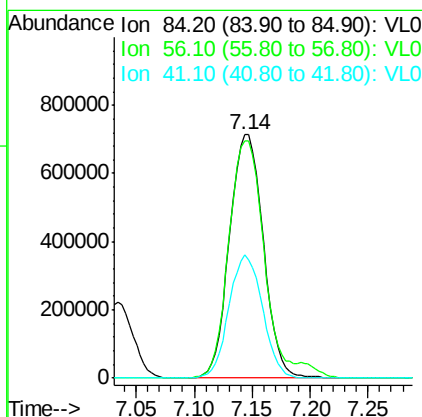
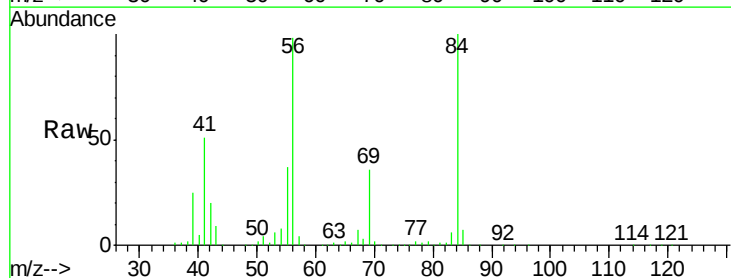
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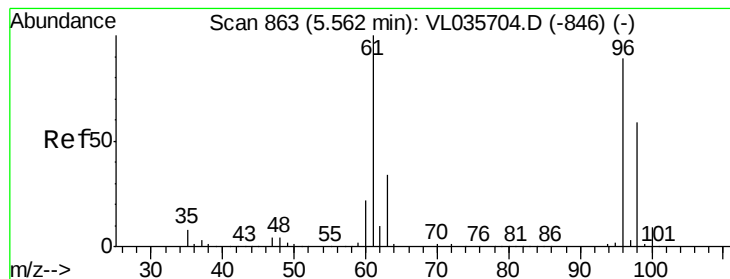
MMDadoda
9/30/2020 5:32:09 PM



#30
Cyclohexane
Concen: 11.353 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion: 84 Resp: 1446478
Ion Ratio Lower Upper
84 100
56 104.3 84.6 127.0
41 50.3 41.1 61.7





#31

cis-1,2-Dichloroethene

Concen: 11.383 ppbv

RT: 5.56 min Scan# 862

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 61 Resp: 1419035

Ion Ratio Lower Upper

61 100

96 89.1 71.4 107.2

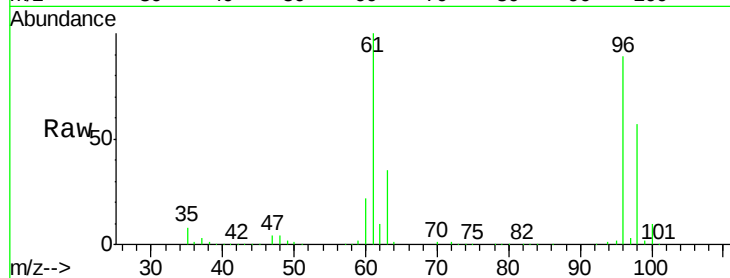
98 57.1 47.4 71.2

Manual Integrations

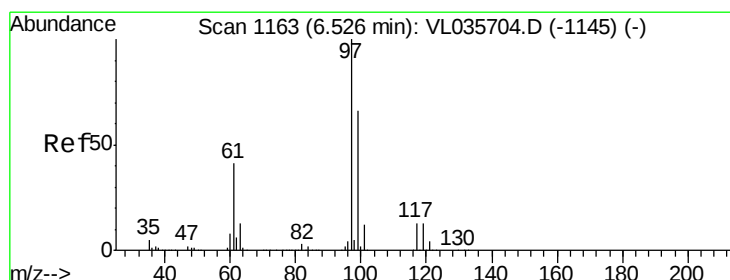
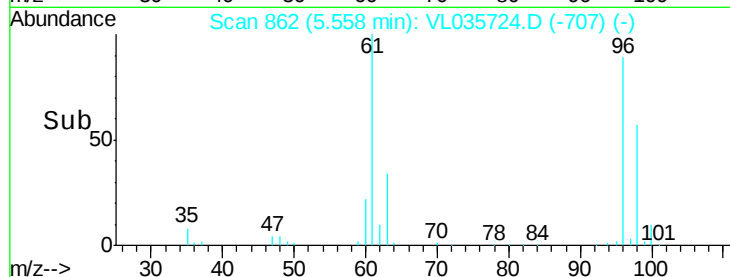
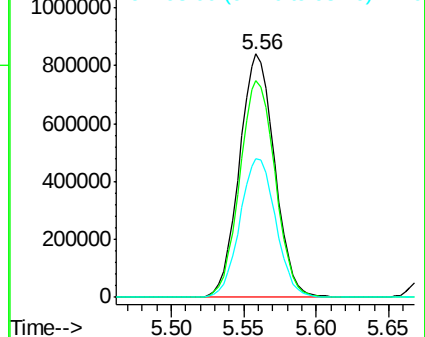
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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 11.085 ppbv

RT: 6.53 min Scan# 1163

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

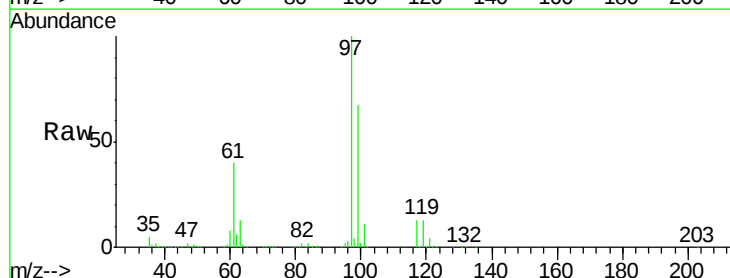
Tgt Ion: 97 Resp: 2562478

Ion Ratio Lower Upper

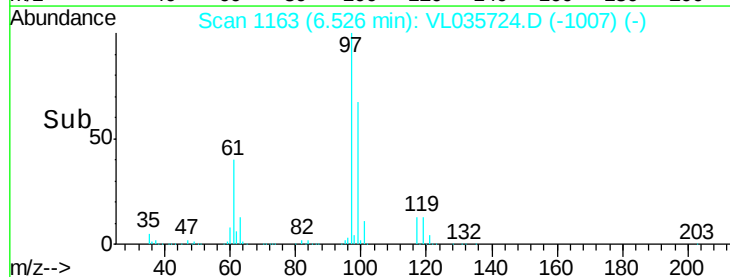
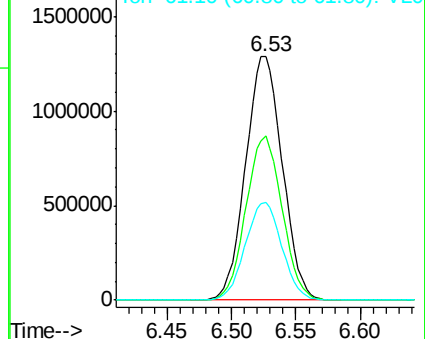
97 100

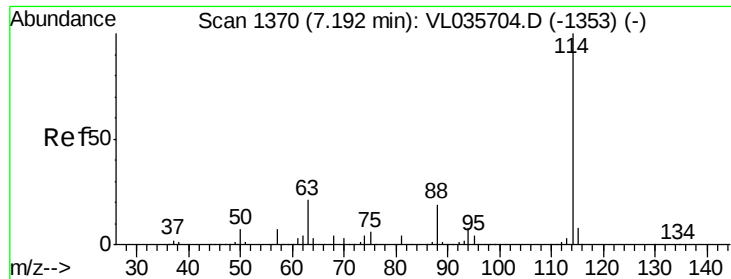
99 66.3 52.7 79.1

61 40.0 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





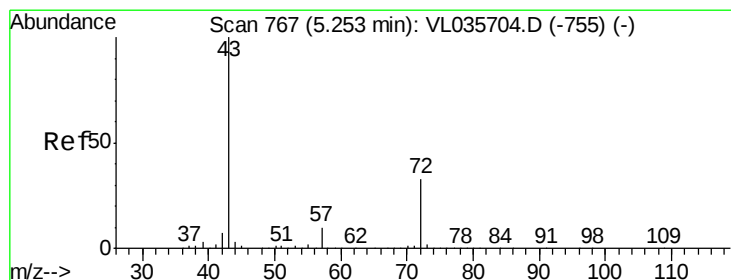
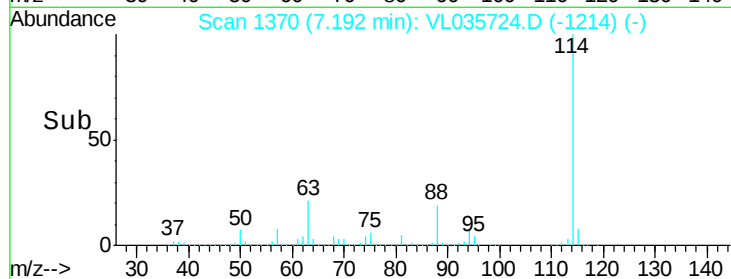
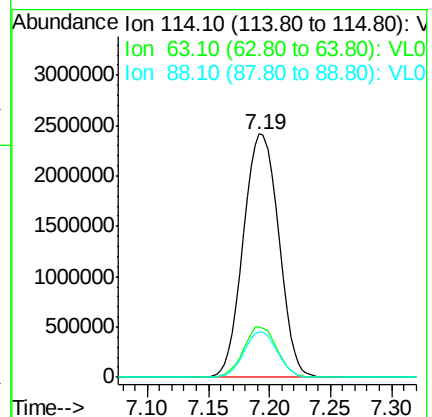
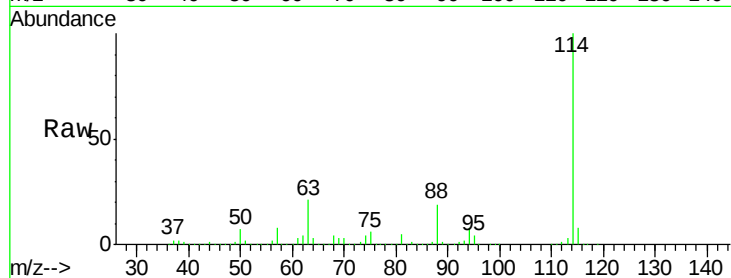
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1370
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:114 Resp: 4849656
 Ion Ratio Lower Upper
 114 100
 63 19.9 16.1 24.1
 88 17.5 14.1 21.1

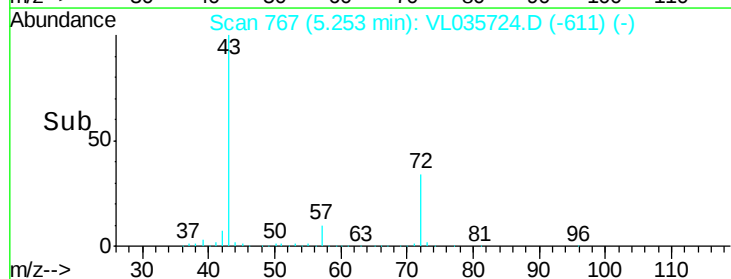
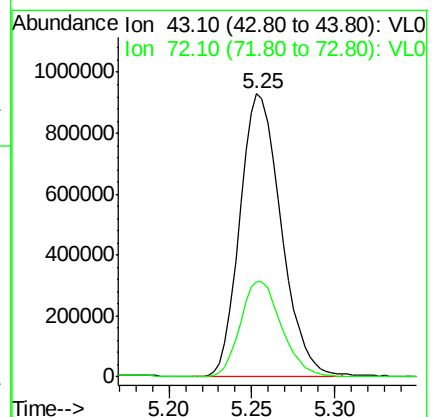
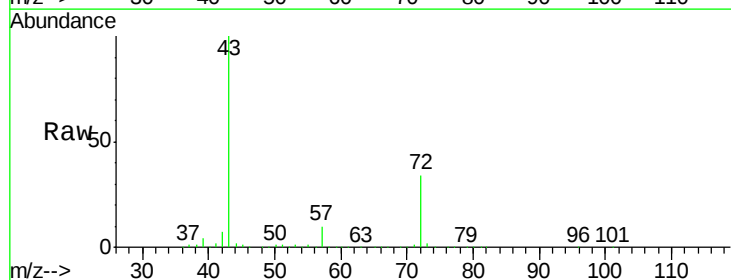
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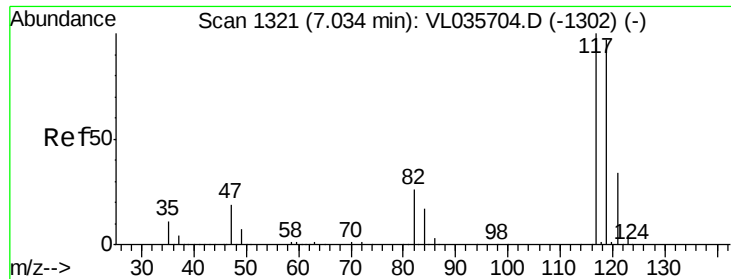
MMDadoda
 9/30/2020 5:32:09 PM



#34
 2-Butanone
 Concen: 10.028 ppbv
 RT: 5.25 min Scan# 767
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion: 43 Resp: 1608562
 Ion Ratio Lower Upper
 43 100
 72 34.0 26.1 39.1





#35

Carbon Tetrachloride

Concen: 10.279 ppbv

RT: 7.03 min Scan# 1320

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:117 Resp: 2599152

Ion Ratio Lower Upper

117 100

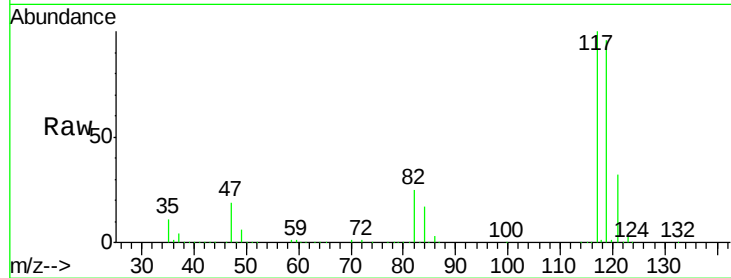
119 96.0 77.7 116.5

121 31.9 26.9 40.3

Manual Integrations
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MMDadoda

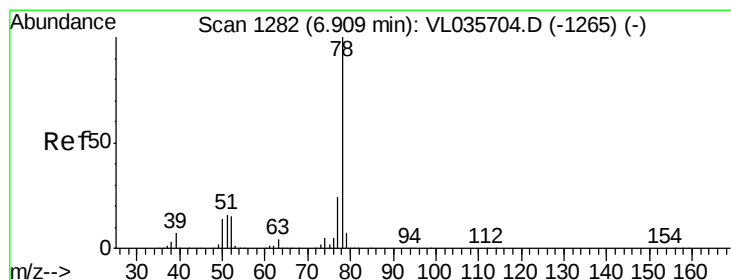
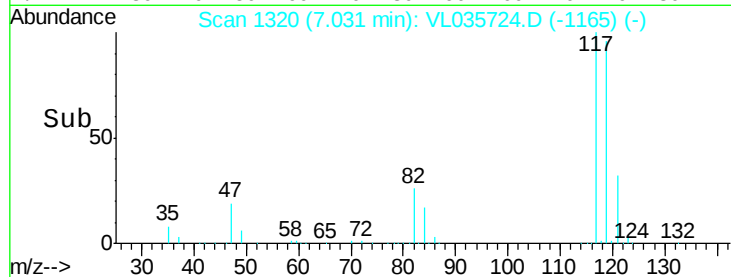
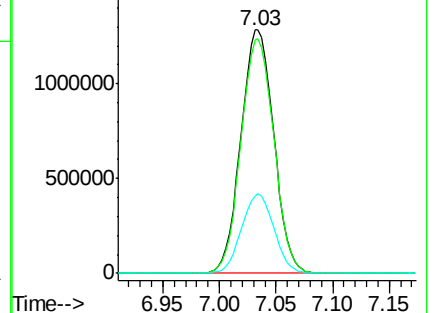
9/30/2020 5:32:09 PM



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: 10.569 ppbv

RT: 6.91 min Scan# 1281

Delta R.T. -0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

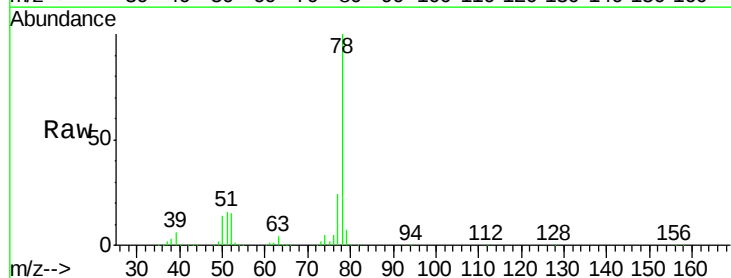
Tgt Ion: 78 Resp: 3339751

Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9

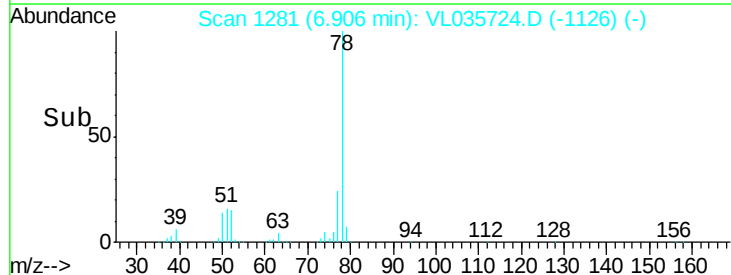
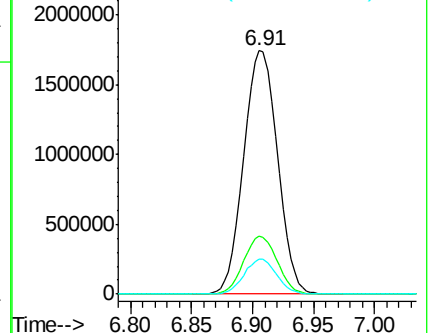
50 14.2 11.6 17.4

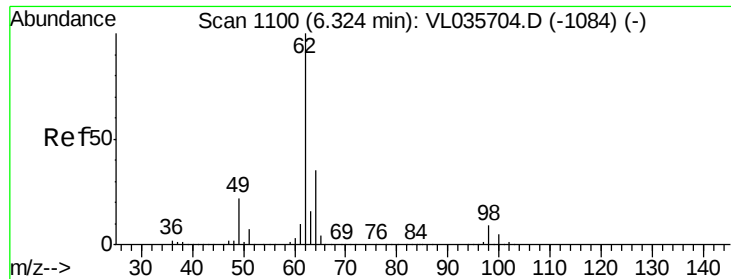


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





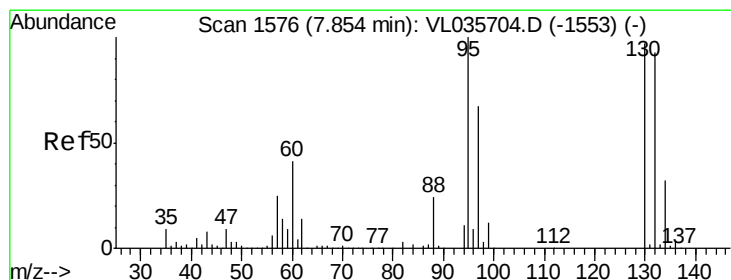
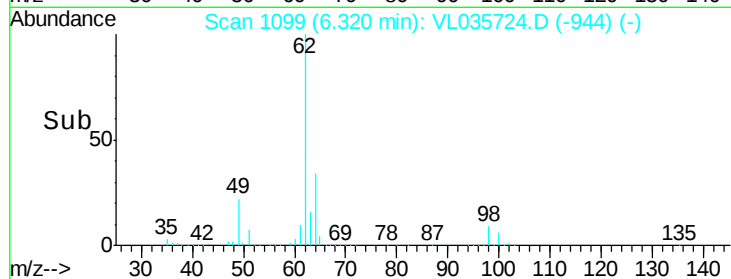
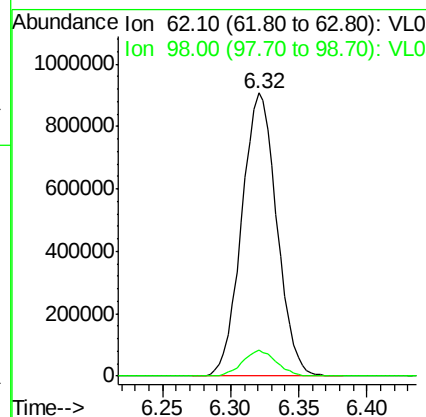
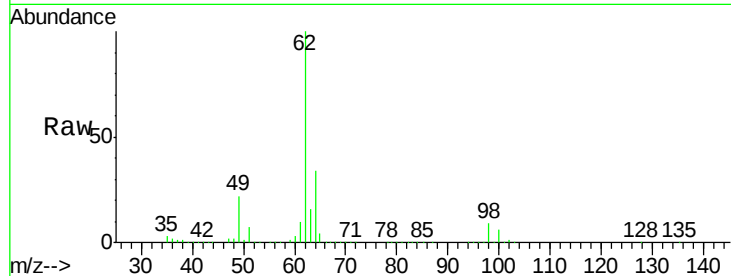
#37
 1,2-Dichloroethane
 Concen: 9.837 ppbv
 RT: 6.32 min Scan# 1099
 Delta R.T. -0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion: 62 Resp: 1620226
 Ion Ratio Lower Upper
 62 100
 98 8.8 6.9 10.3

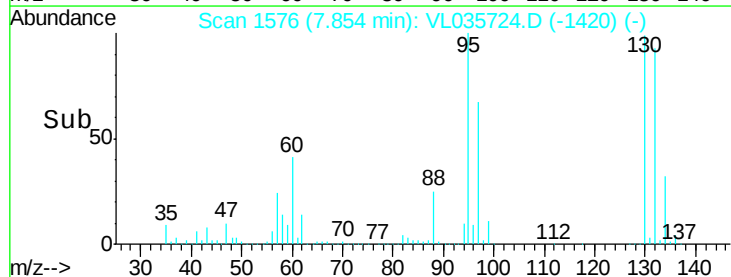
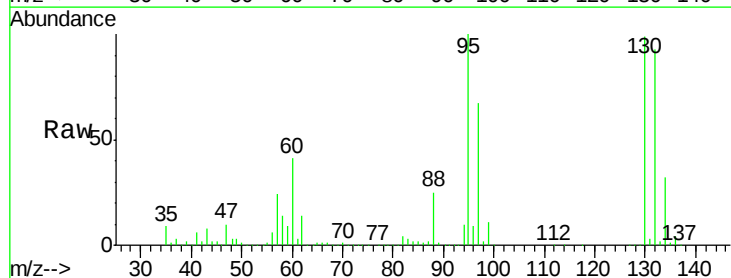
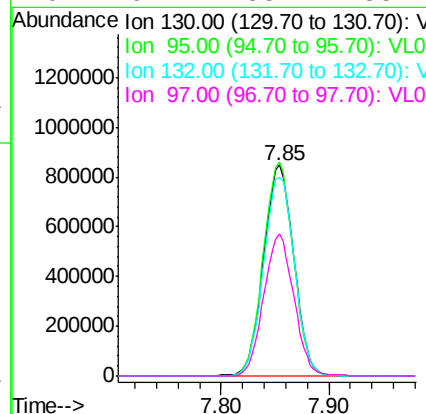
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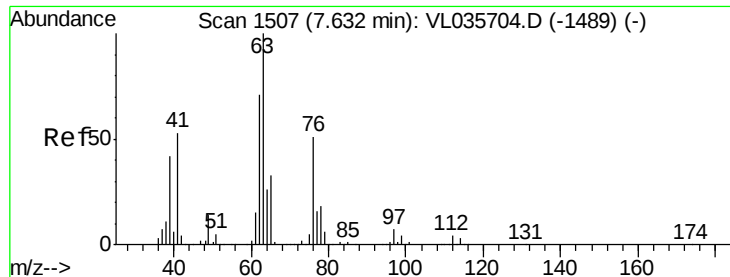
MMDadoda
 9/30/2020 5:32:09 PM



#38
 Trichloroethene
 Concen: 10.440 ppbv
 RT: 7.85 min Scan# 1576
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion:130 Resp: 1645706
 Ion Ratio Lower Upper
 130 100
 95 101.3 82.4 123.6
 132 94.0 76.8 115.2
 97 67.4 55.4 83.2





#39

1,2-Dichloropropane

Concen: 10.039 ppbv

RT: 7.63 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 63 Resp: 1149905

Ion Ratio Lower Upper

63 100

41 51.4 42.6 63.8

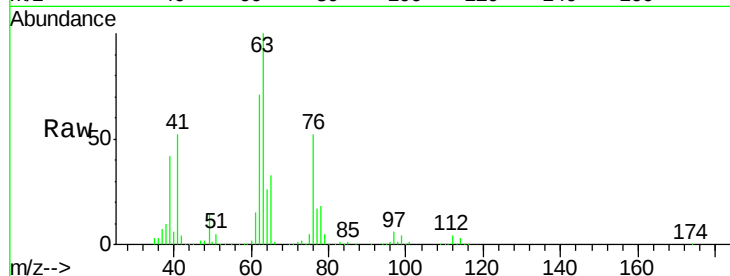
62 70.8 56.5 84.7

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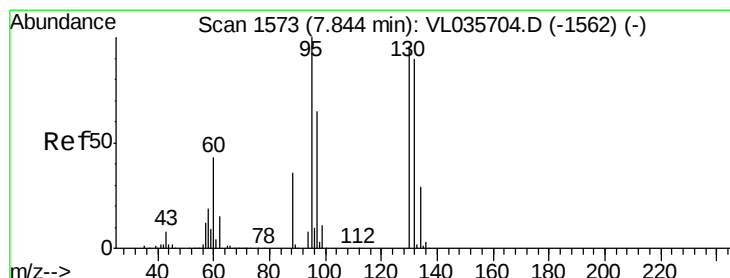
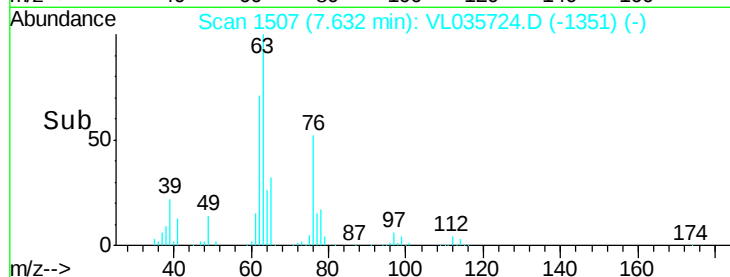
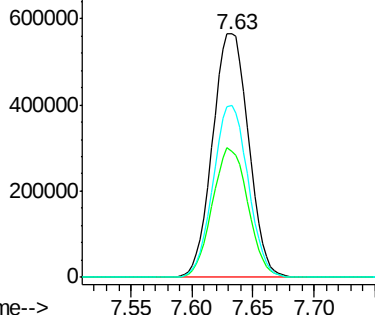
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 10.528 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Tgt Ion: 88 Resp: 551465

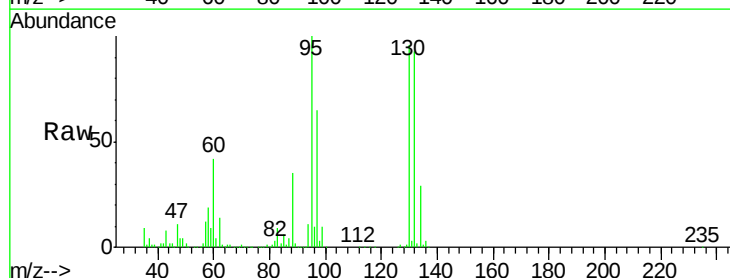
Ion Ratio Lower Upper

88 100

58 93.8 76.2 114.4

43 148.1 123.4 185.2

57 795.1 652.5 978.7

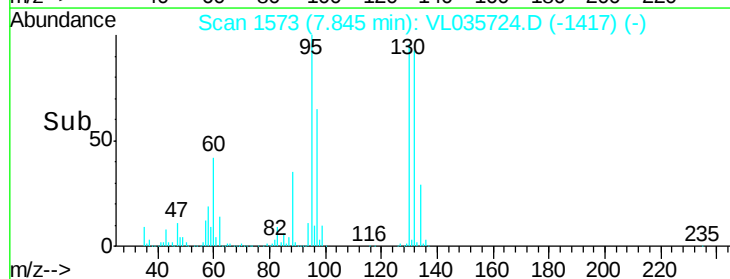
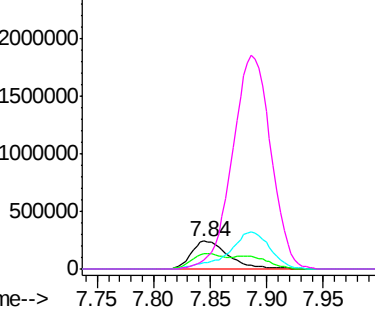


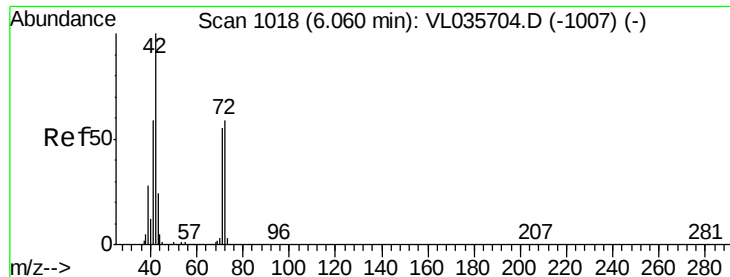
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





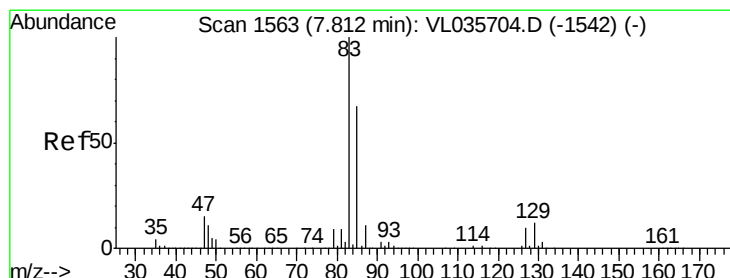
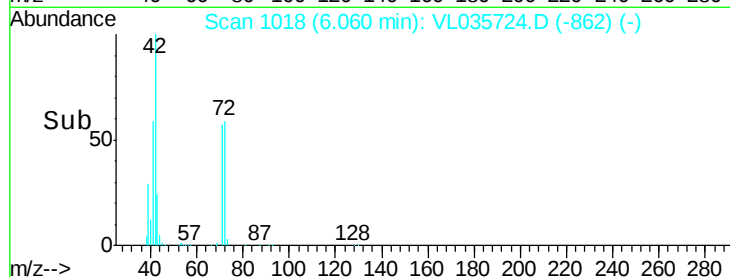
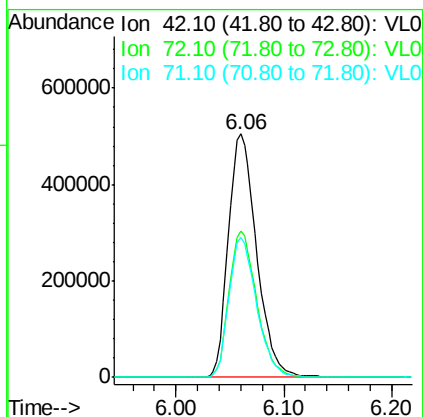
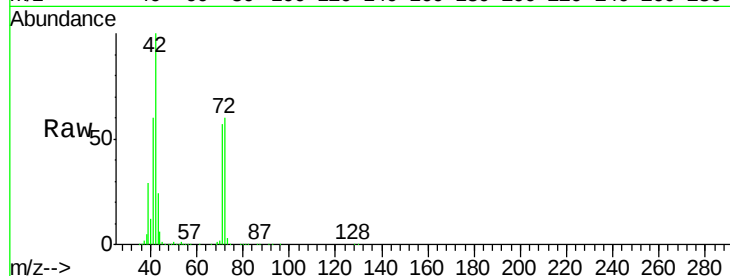
#41
Tetrahydrofuran
Concen: 11.432 ppbv
RT: 6.06 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.0	46.2	69.4
71	56.1	44.2	66.4

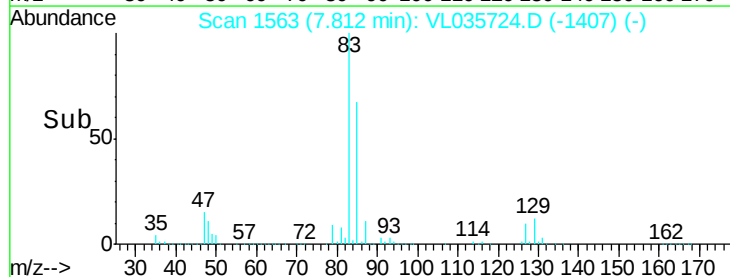
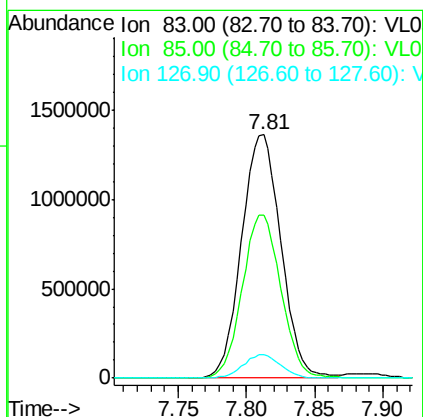
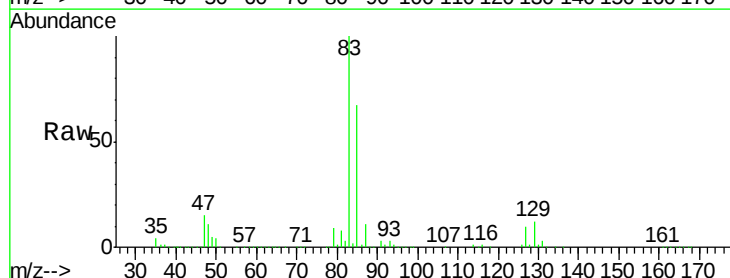
Manual Integrations
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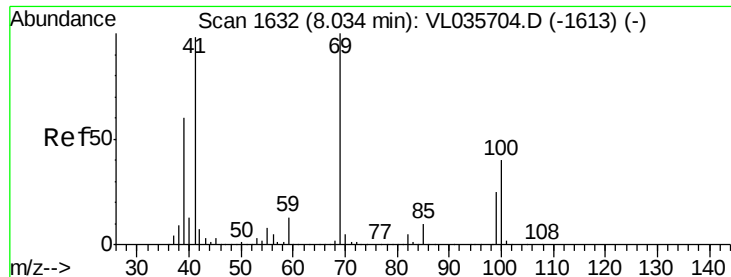
MMDadoda
9/30/2020 5:32:09 PM



#42
Bromodichloromethane
Concen: 10.306 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.9	53.4	80.0
127	9.6	7.8	11.6





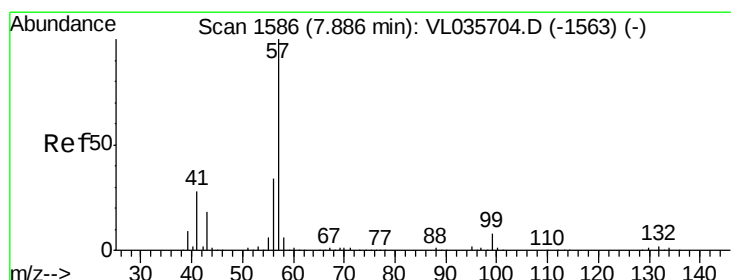
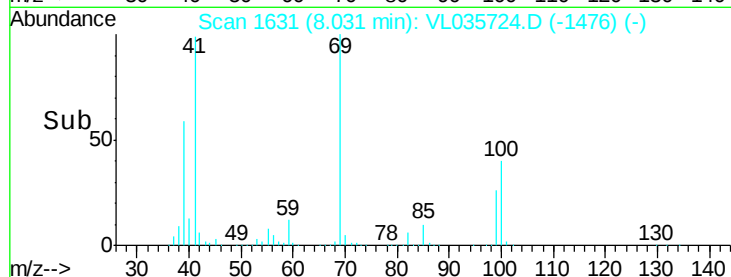
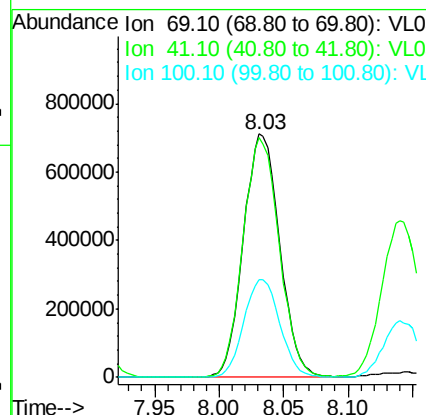
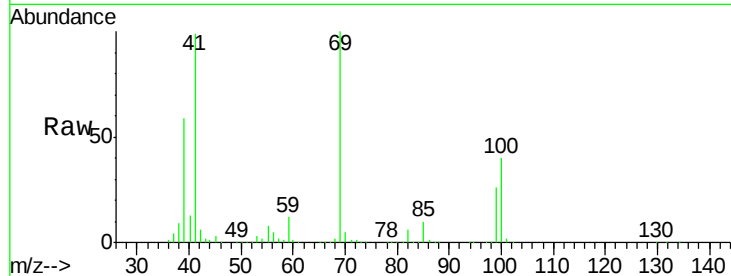
#43
Methvl Methacrylate
Concen: 11.112 ppbv
RT: 8.03 min Scan# 1631
Delta R.T. -0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 69 Resp: 1396572
Ion Ratio Lower Upper
69 100
41 98.3 79.8 119.6
100 39.9 30.6 46.0

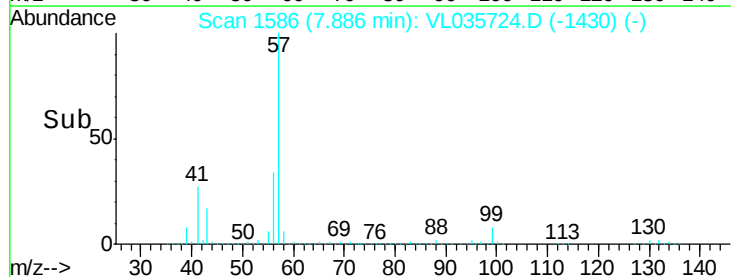
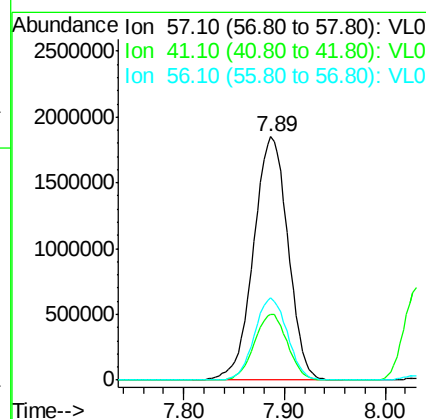
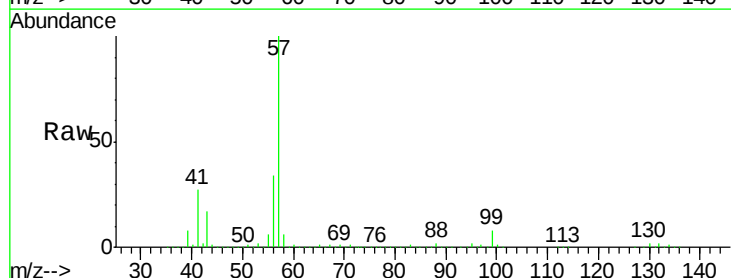
Manual Integrations
APPROVED

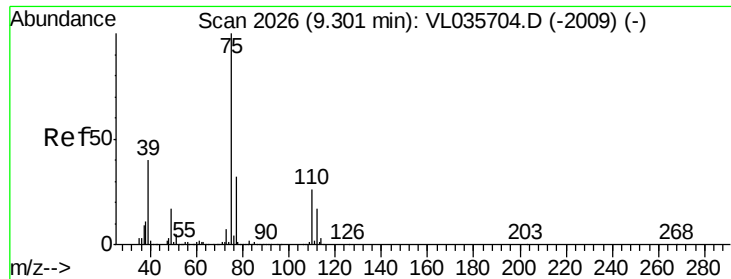
MMDadoda
9/30/2020 5:32:09 PM



#44
2,2,4-Trimethylpentane
Concen: 9.658 ppbv
RT: 7.89 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion: 57 Resp: 4379262
Ion Ratio Lower Upper
57 100
41 26.2 21.2 31.8
56 32.1 25.8 38.8





#45

t-1,3-Dichloropropene

Concen: 12.468 ppbv

RT: 9.30 min Scan# 2026

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Tot Ion: 75 Resp: 1582016

Ion Ratio Lower Upper

75 100

77 34.2 25.9 38.9

Instrument :

MSVOA_L

ClientSampleId :

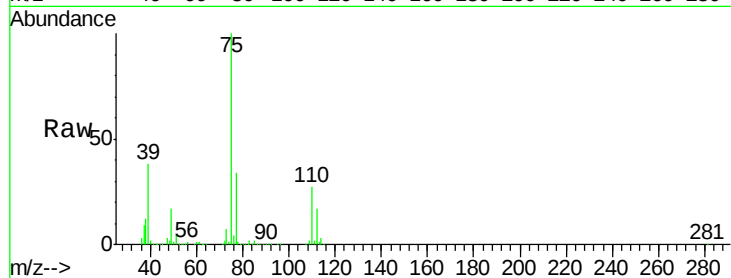
VSTDCCC010

Manual Integrations

APPROVED

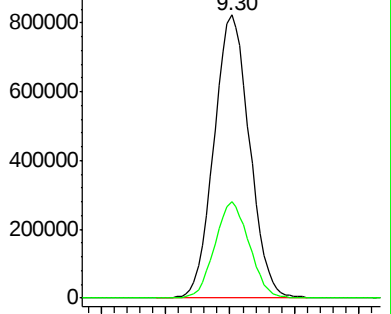
MMDadoda

9/30/2020 5:32:09 PM

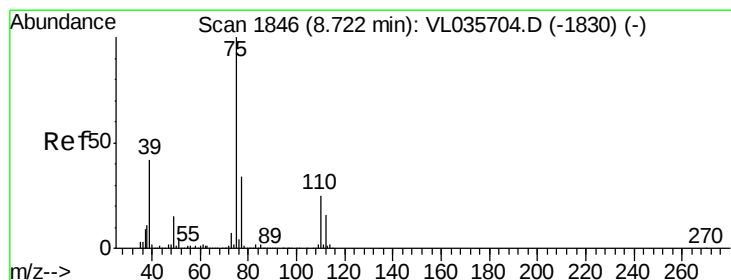
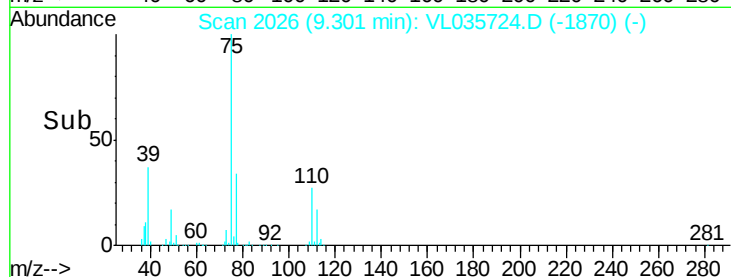


Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



Time-->



#46

cis-1,3-Dichloropropene

Concen: 12.064 ppbv

RT: 8.73 min Scan# 1847

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

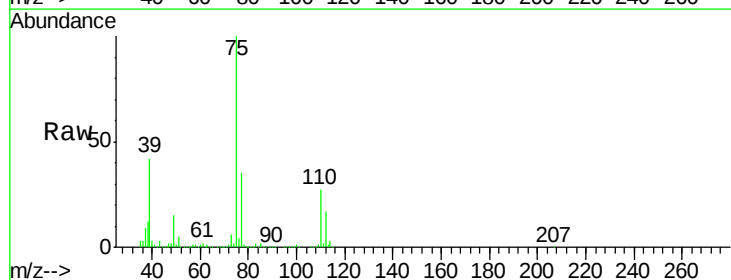
Tgt Ion: 75 Resp: 1886859

Ion Ratio Lower Upper

75 100

39 42.0 33.9 50.9

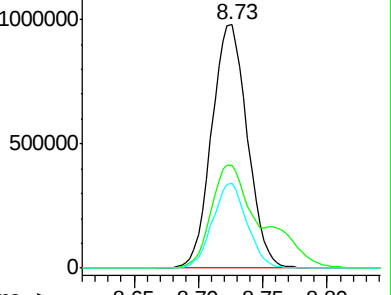
77 34.7 27.4 41.0



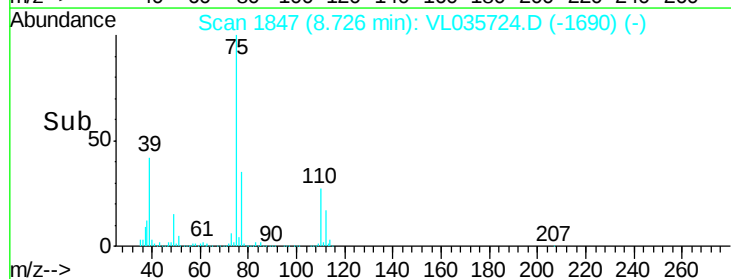
Abundance Ion 75.00 (74.70 to 75.70): VL0

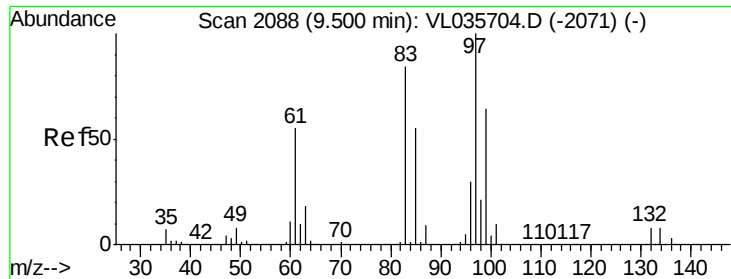
Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0



Time-->





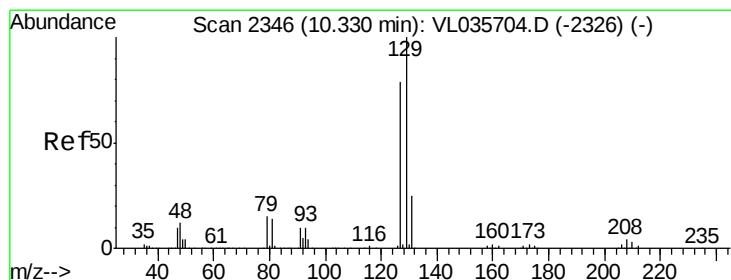
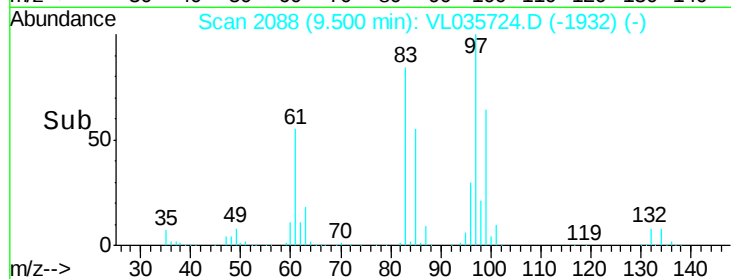
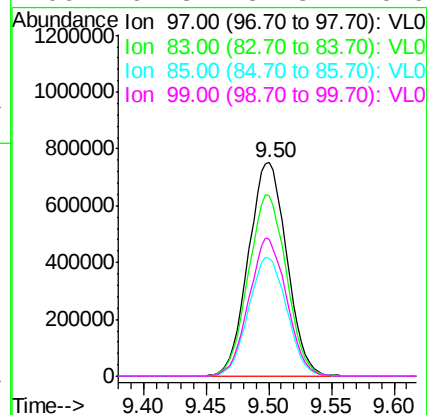
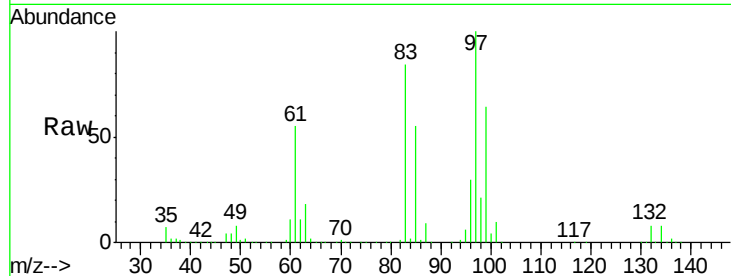
#47
 1,1,2-Trichloroethane
 Concen: 9.790 ppbv
 RT: 9.50 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	97	Resp	1606217
Ion	Ratio	Lower	Upper
97	100		
83	84.4	67.1	100.7
85	55.4	43.9	65.9
99	64.3	51.3	76.9

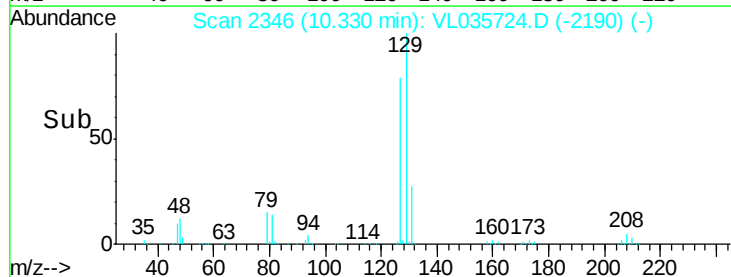
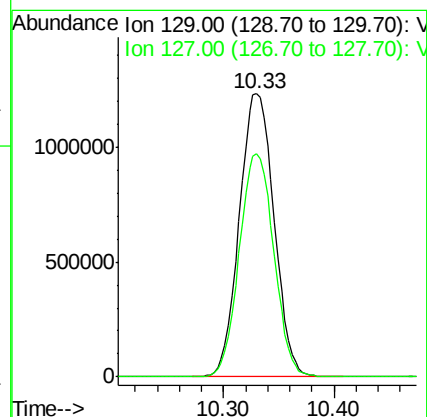
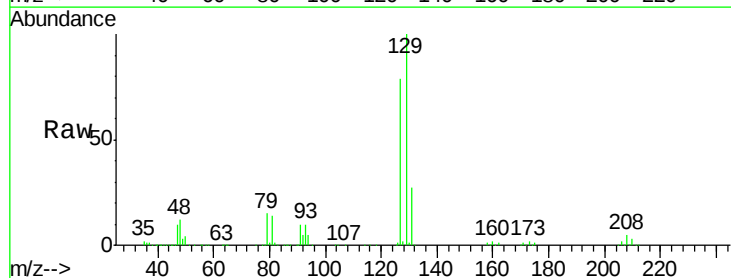
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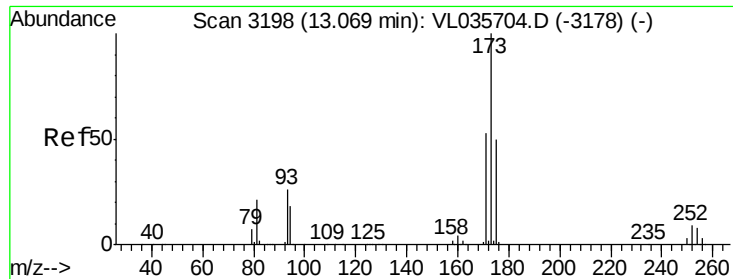
MMDadoda
 9/30/2020 5:32:09 PM



#48
 Dibromochloromethane
 Concen: 10.782 ppbv
 RT: 10.33 min Scan# 2346
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion	129	Resp	2692054
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.4	118.1





#49

Bromoform

Concen: 11.330 ppbv

RT: 13.07 min Scan# 3199

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:173 Resp: 2400309

Ion Ratio Lower Upper

173 100

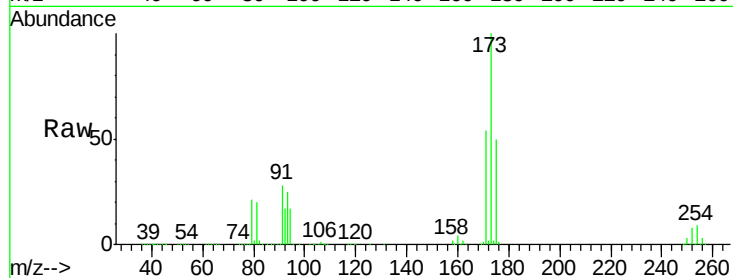
175 49.9 39.8 59.6

171 53.3 42.8 64.2

Manual Integrations
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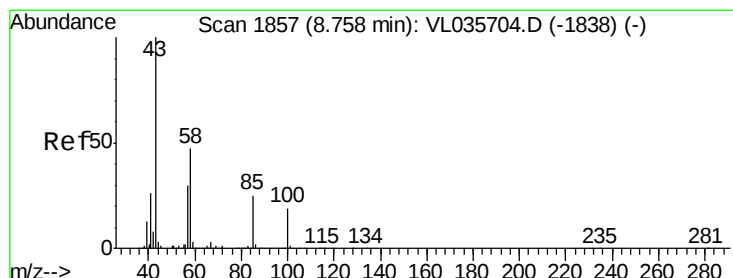
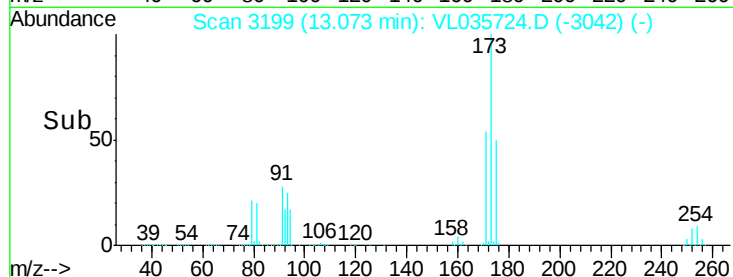
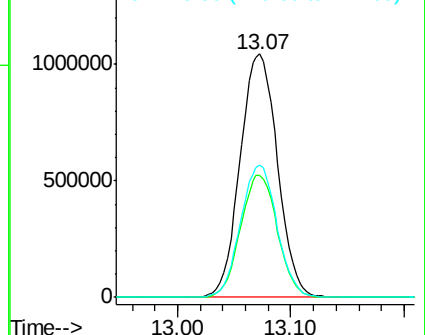
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.045 ppbv

RT: 8.76 min Scan# 1858

Delta R.T. 0.00 min

Lab File: VL035724.D

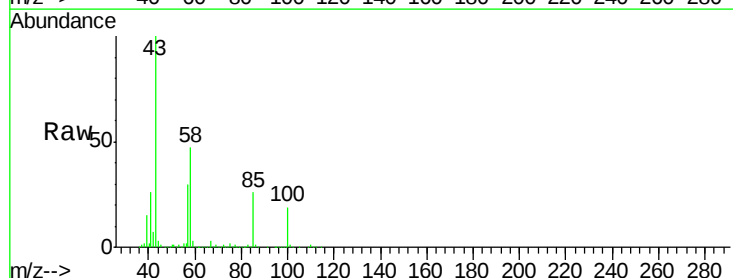
Acq: 29 Sep 2020 10:30

Tgt Ion: 43 Resp: 2353538

Ion Ratio Lower Upper

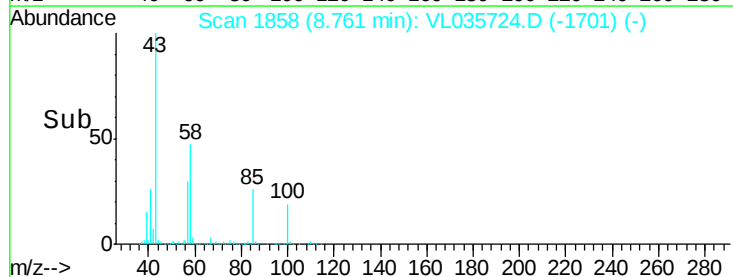
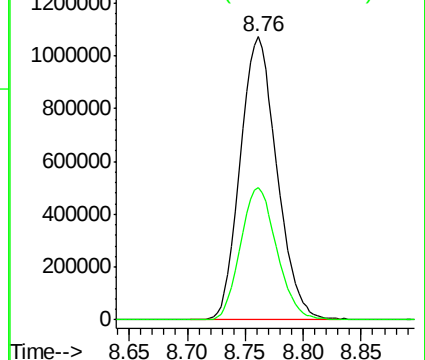
43 100

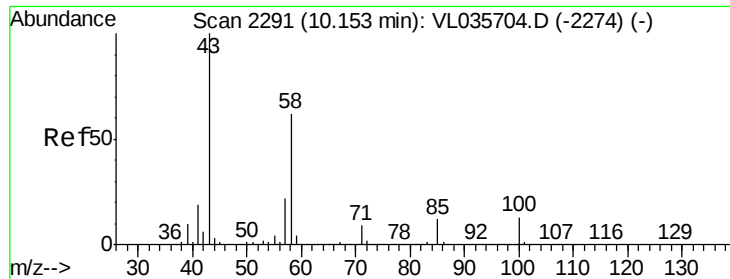
58 46.4 36.6 54.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.487 ppbv

RT: 10.16 min Scan# 2292

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 43 Resp: 1979492

Ion Ratio Lower Upper

43 100

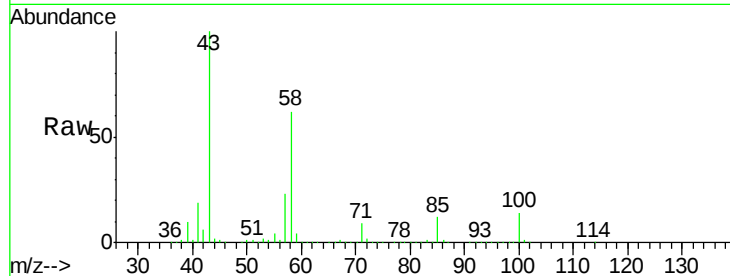
58 62.0 48.7 73.1

98 0.6 0.7 1.1#

Manual Integrations
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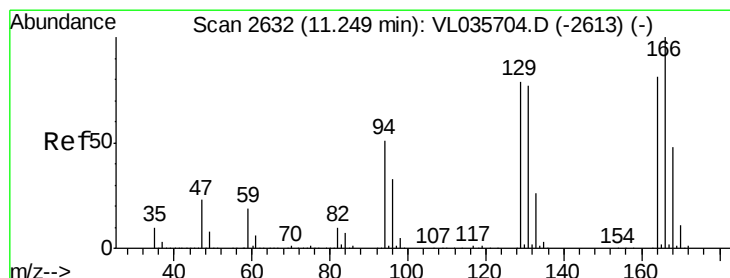
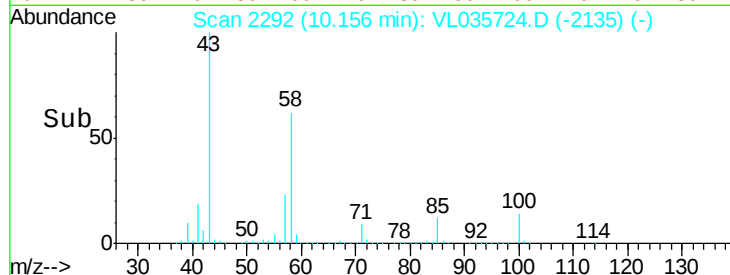
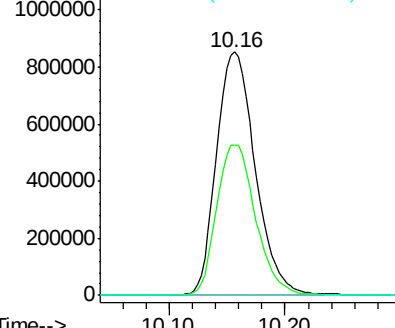
9/30/2020 5:32:09 PM



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.381 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Tgt Ion: 164 Resp: 1577554

Ion Ratio Lower Upper

164 100

166 125.5 98.7 148.1

129 99.2 78.4 117.6

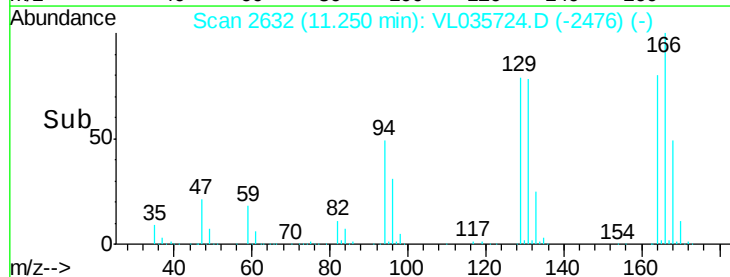
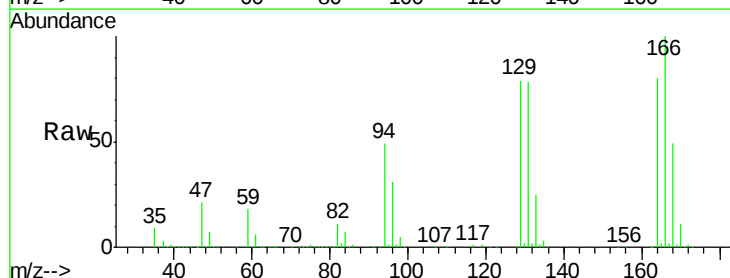
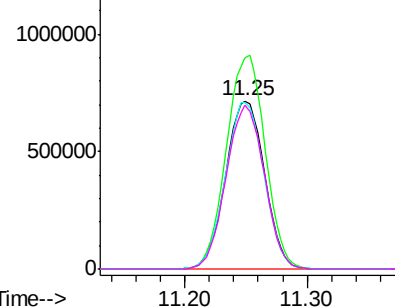
131 97.3 76.2 114.2

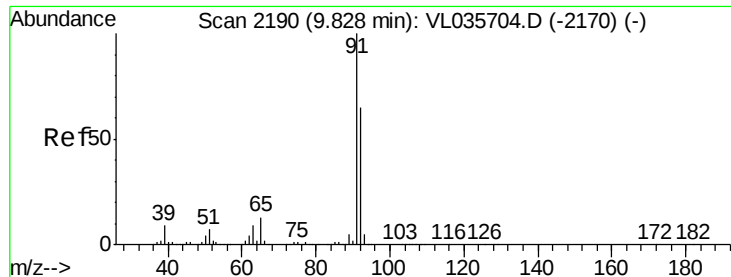
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.015 ppbv

RT: 9.83 min Scan# 2190

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 4104470

Ion Ratio Lower Upper

91 100

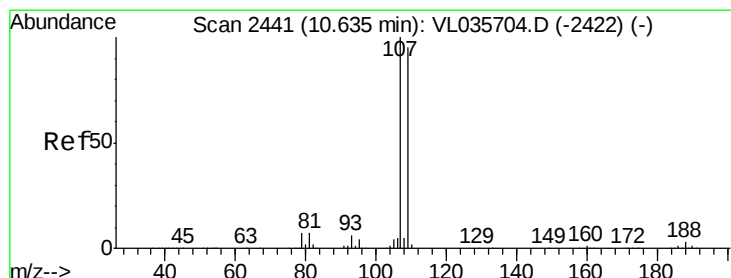
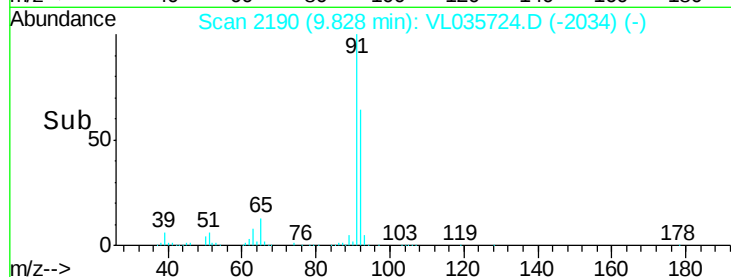
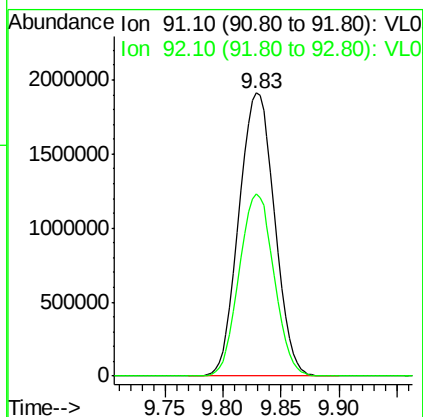
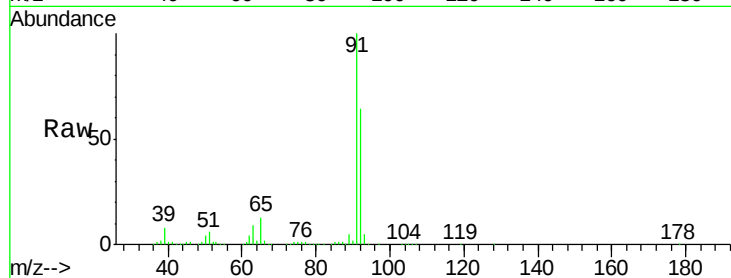
92 62.9 50.0 75.0

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 10.259 ppbv

RT: 10.64 min Scan# 2441

Delta R.T. 0.00 min

Lab File: VL035724.D

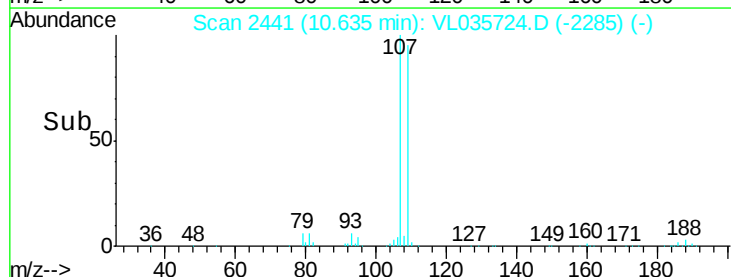
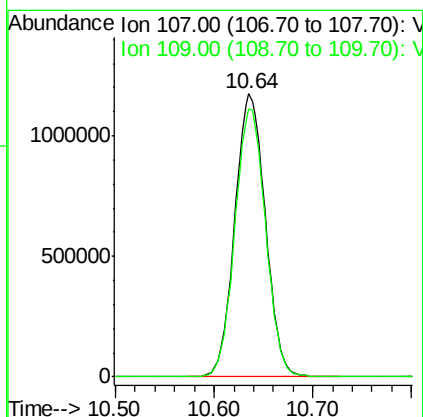
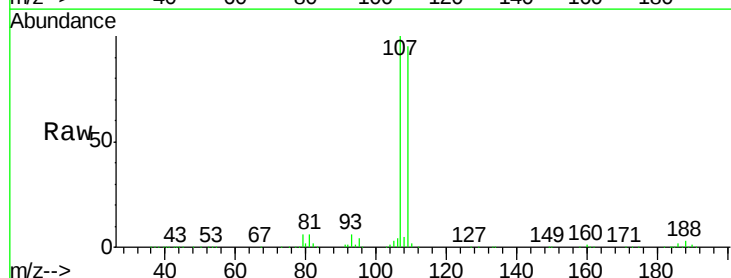
Acq: 29 Sep 2020 10:30

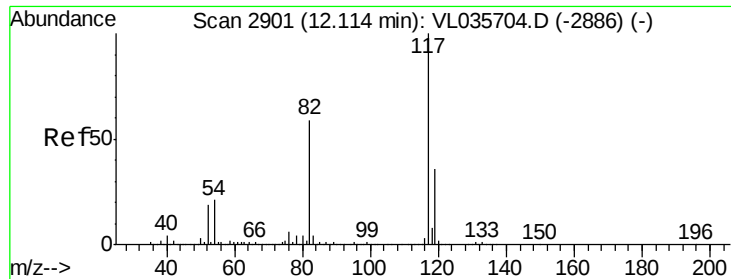
Tgt Ion: 107 Resp: 2520286

Ion Ratio Lower Upper

107 100

109 94.9 76.0 114.0





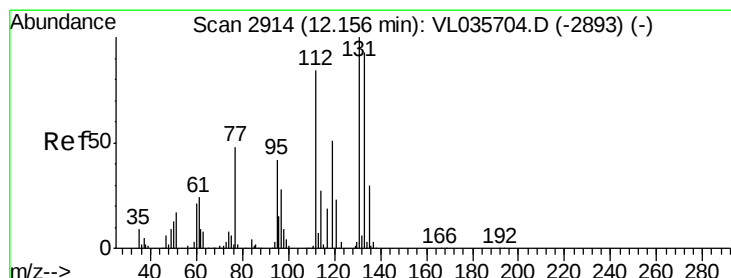
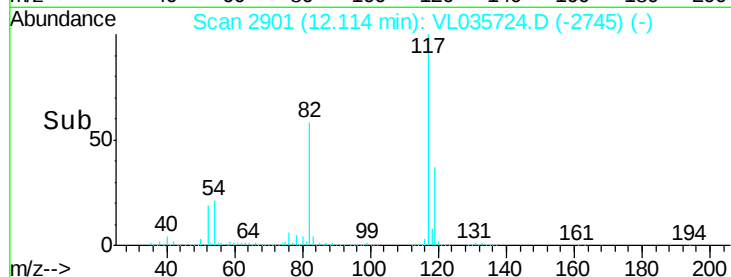
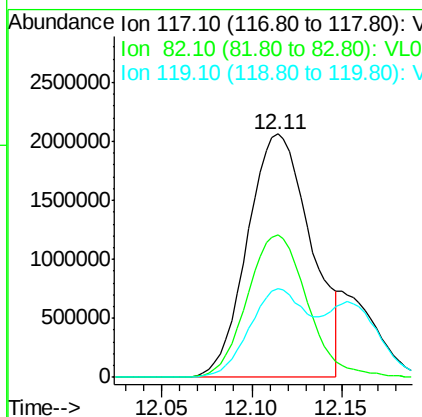
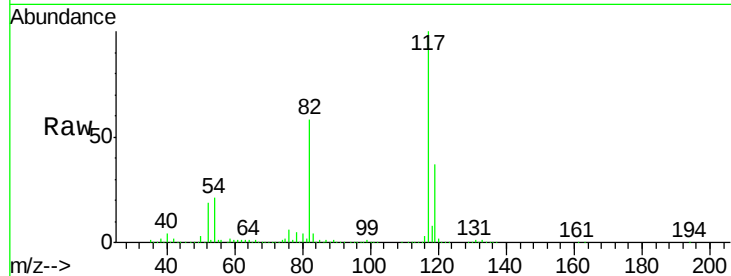
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2901
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:117 Resp: 5058920
Ion Ratio Lower Upper
117 100
82 55.7 46.1 69.1
119 33.8 28.0 42.0

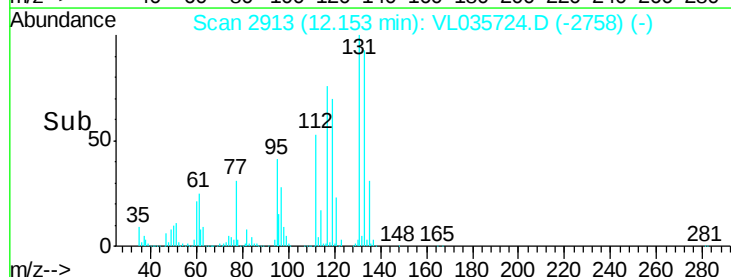
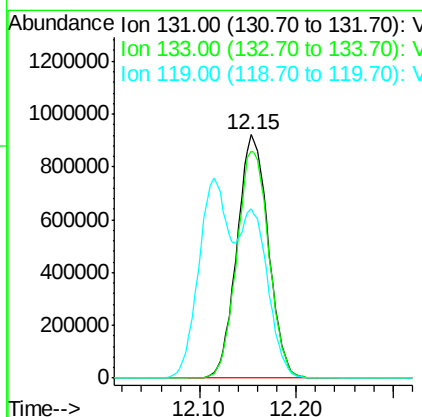
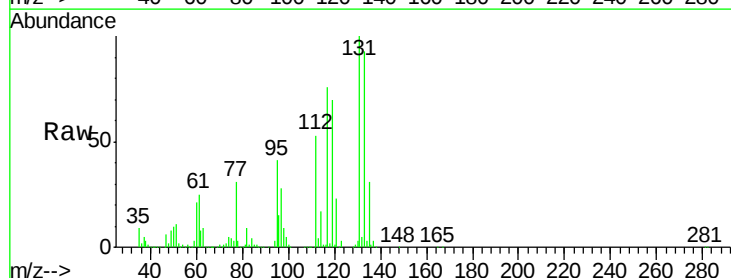
Manual Integrations
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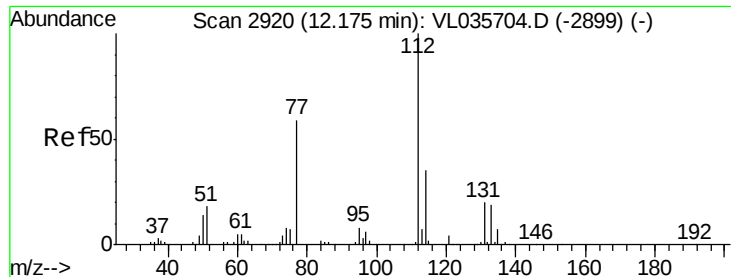
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.764 ppbv
RT: 12.15 min Scan# 2913
Delta R.T. -0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion:131 Resp: 2071184
Ion Ratio Lower Upper
131 100
133 95.4 76.2 114.4
119 62.5 52.4 78.6





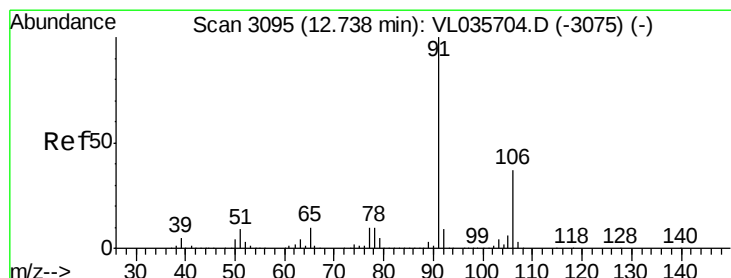
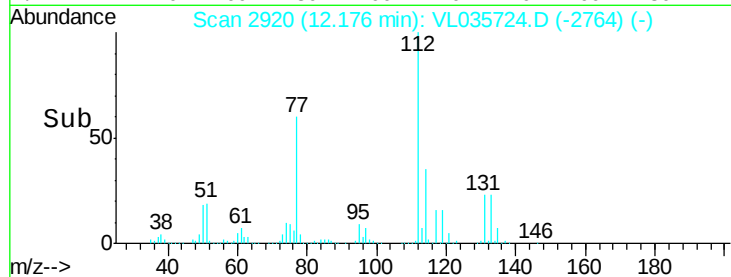
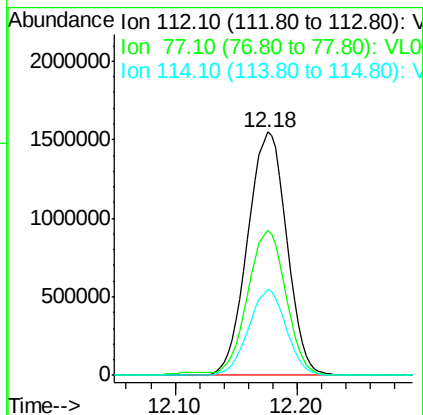
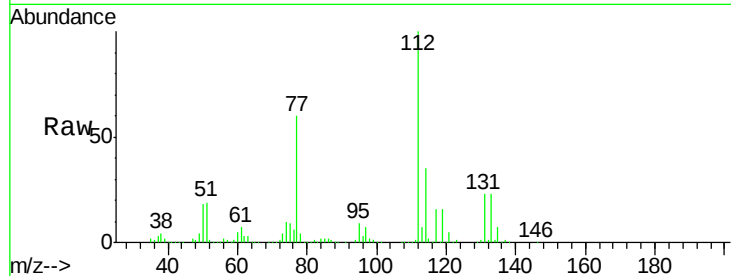
#57
Chlorobenzene
Concen: 8.983 ppbv
RT: 12.18 min Scan# 2920
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion:112 Resp: 3432334
Ion Ratio Lower Upper
112 100
77 59.4 48.2 72.2
114 35.2 31.9 39.1

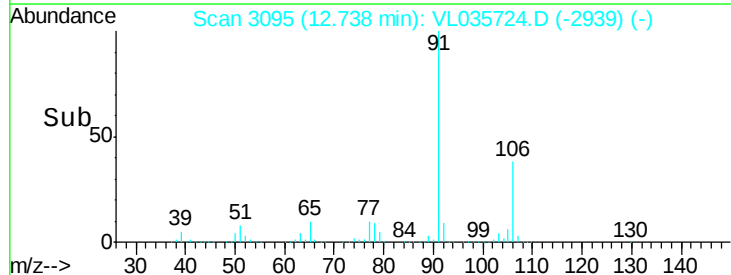
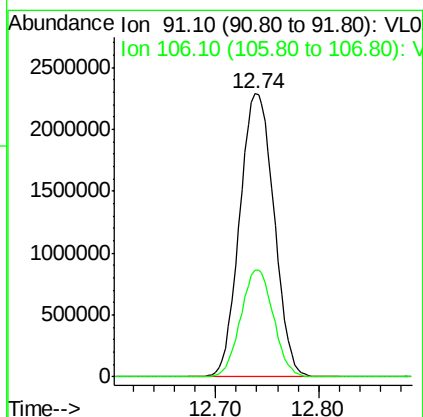
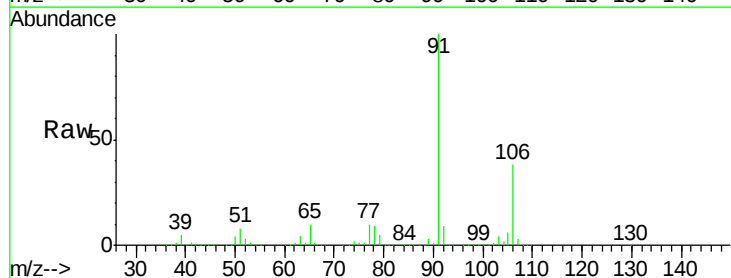
Manual Integrations
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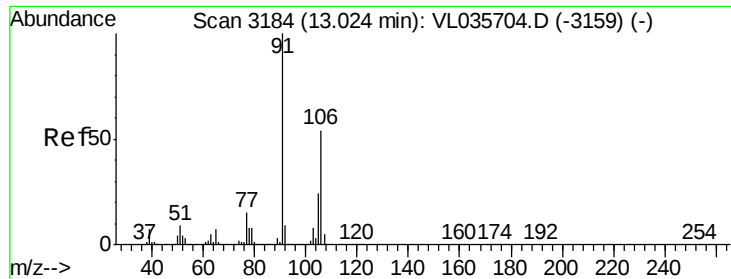
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#58
Ethyl Benzene
Concen: 10.428 ppbv
RT: 12.74 min Scan# 3095
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion: 91 Resp: 5294876
Ion Ratio Lower Upper
91 100
106 37.5 29.7 44.5





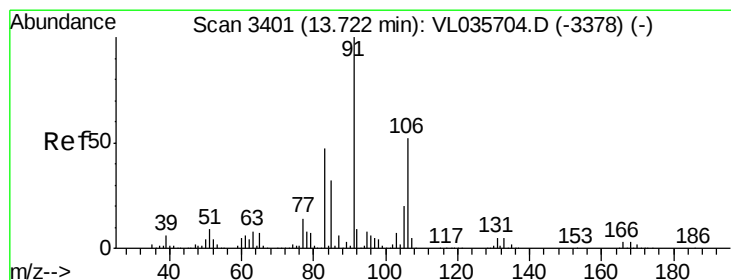
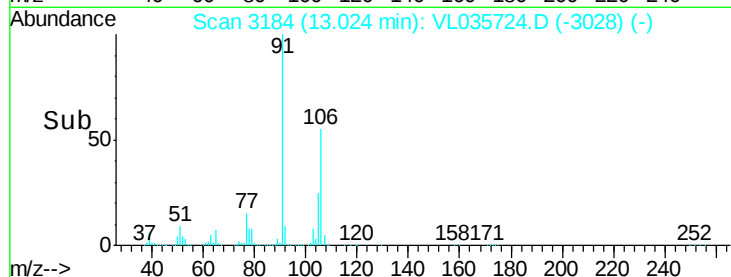
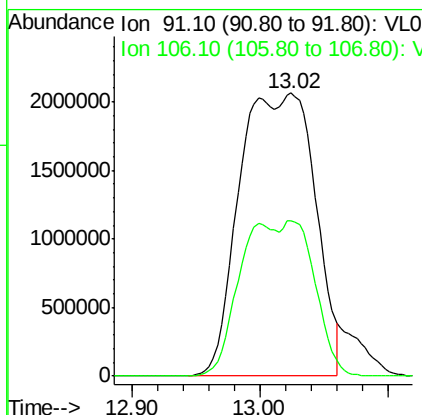
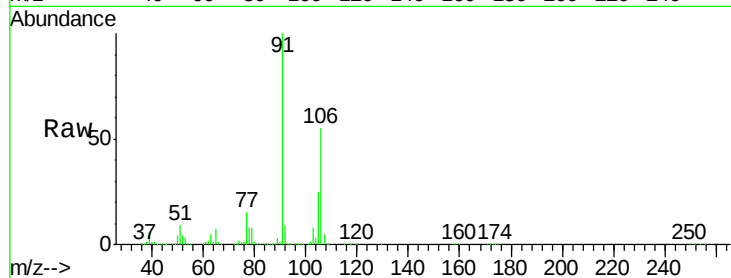
#59
m/p-Xylene
Concen: 19.091 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion: 91 Resp: 8465222
Ion Ratio Lower Upper
91 100
106 53.6 41.4 62.0

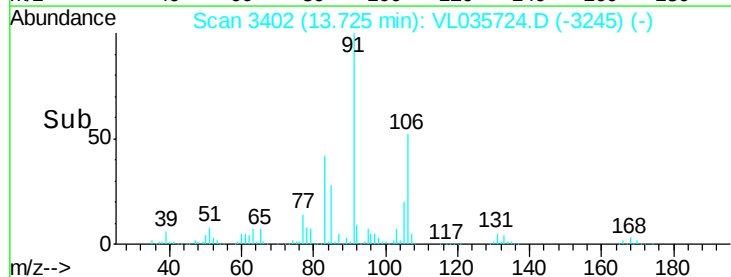
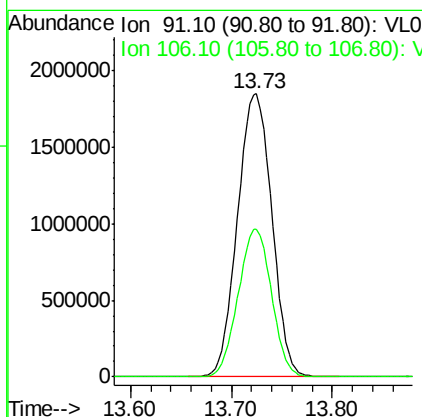
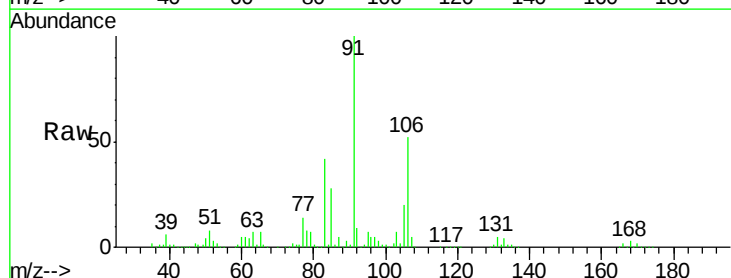
Manual Integrations
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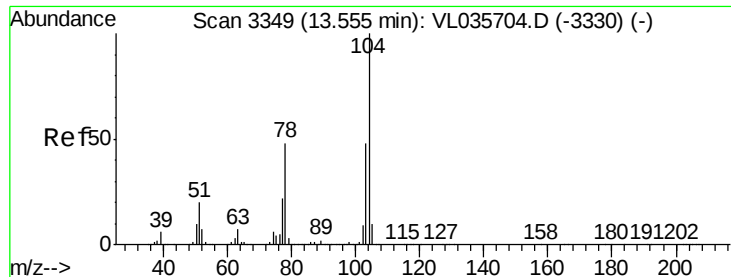
MMDadoda
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#60
o-Xylene
Concen: 9.731 ppbv
RT: 13.73 min Scan# 3402
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion: 91 Resp: 4365046
Ion Ratio Lower Upper
91 100
106 50.7 25.0 75.0





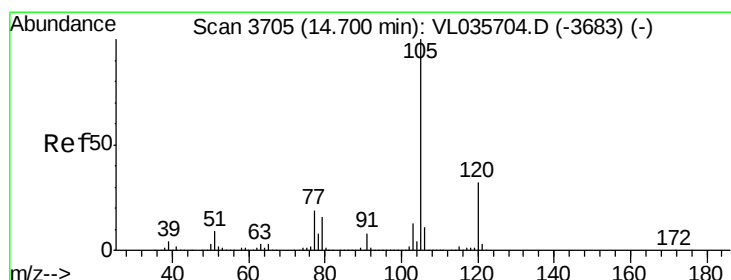
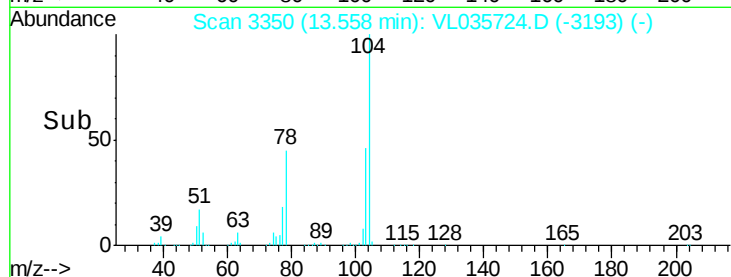
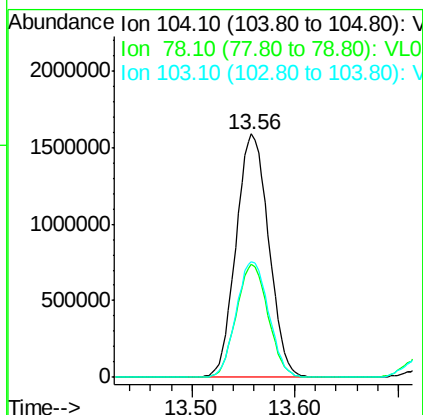
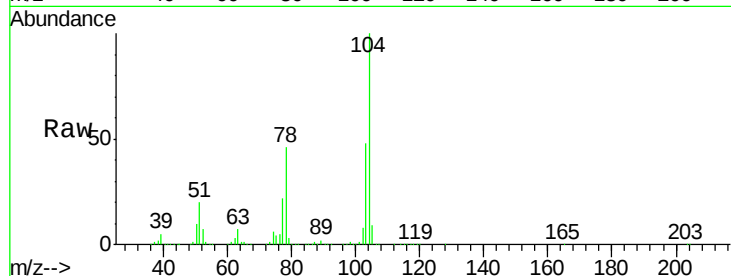
#61
Stvrene
Concen: 11.293 ppbv
RT: 13.56 min Scan# 3350
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	45.5	37.2	55.8
103	47.5	38.2	57.2

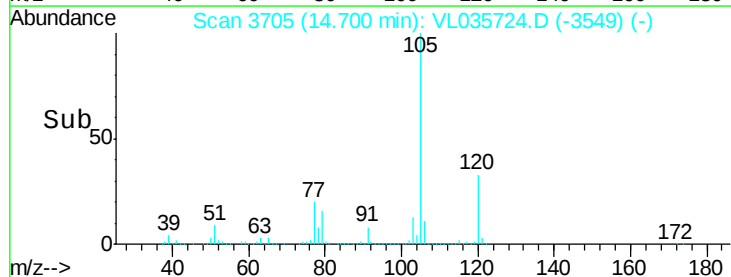
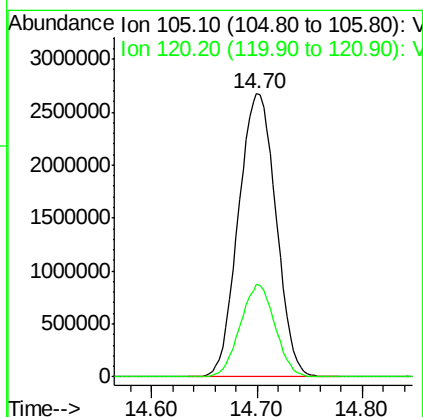
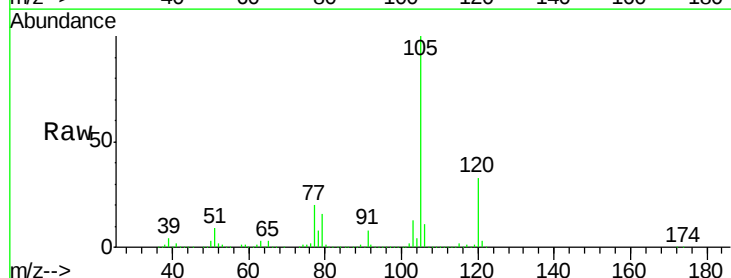
Manual Integrations
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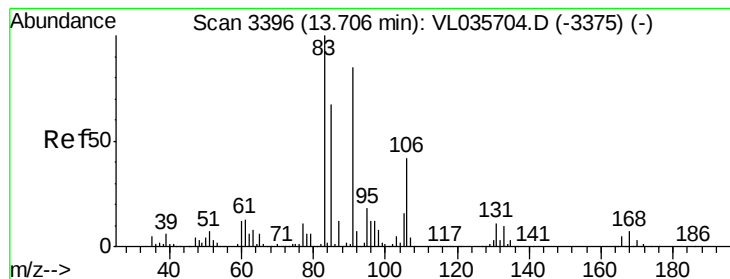
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#62
Isopropylbenzene
Concen: 9.490 ppbv
RT: 14.70 min Scan# 3705
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion	Ratio	Lower	Upper
105	100		
120	30.4	24.1	36.1





#63

1,1,2,2-Tetrachloroethane

Concen: 8.549 ppbv

RT: 13.71 min Scan# 3397

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 83 Resp: 3144409

Ion Ratio Lower Upper

83 100

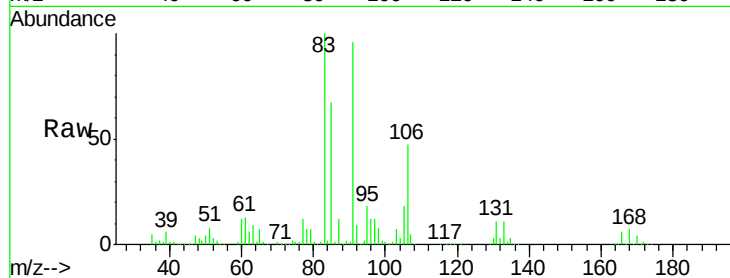
131 10.9 5.3 16.1

85 66.8 33.4 100.2

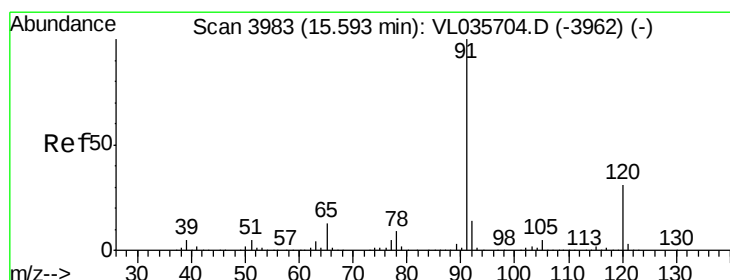
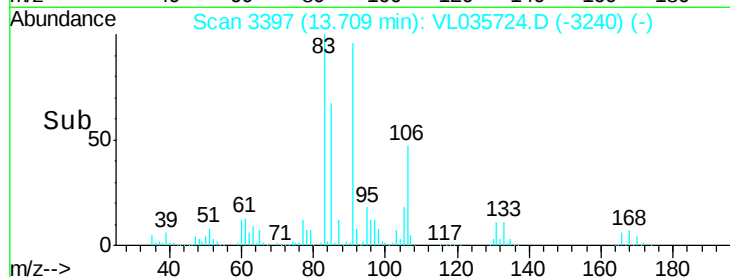
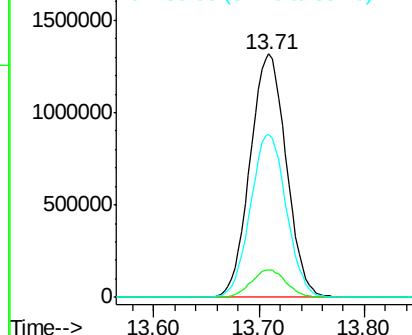
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Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 131.00 (130.70 to 131.70): V
Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 10.041 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.00 min

Lab File: VL035724.D

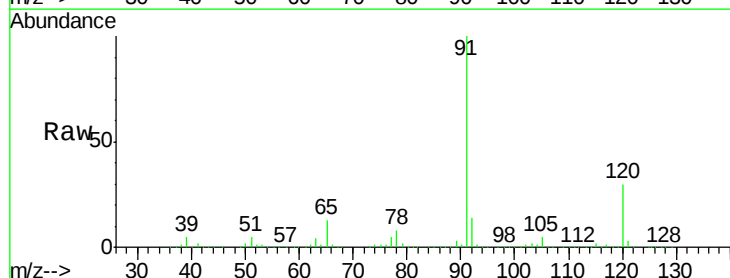
Acq: 29 Sep 2020 10:30

Tgt Ion:120 Resp: 2044516

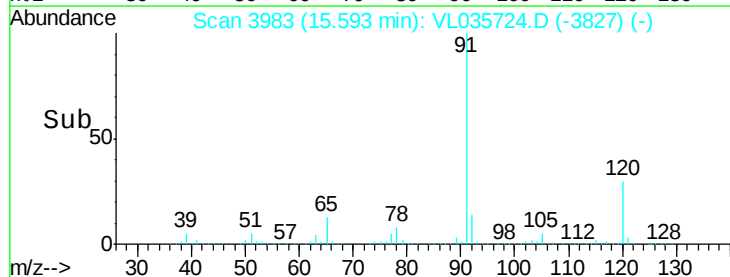
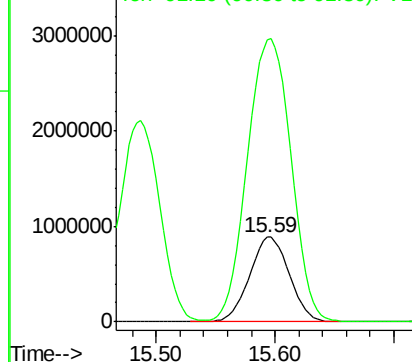
Ion Ratio Lower Upper

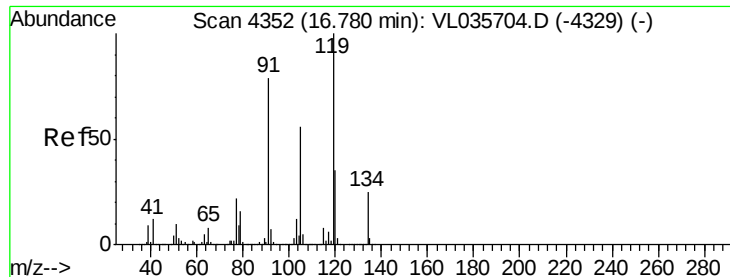
120 100

91 369.7 300.4 450.6



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





#65

tert-Butylbenzene

Concen: 9.640 ppbv

RT: 16.78 min Scan# 4353

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:119 Resp: 6097894

Ion Ratio Lower Upper

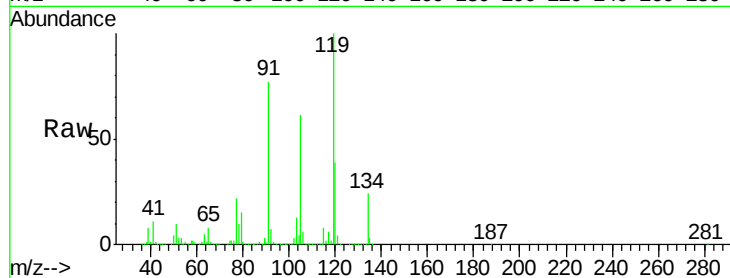
119 100

91 76.2 62.4 93.6

134 22.7 18.2 27.2

Manual Integrations
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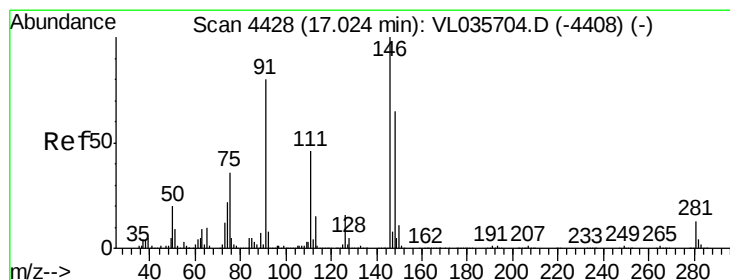
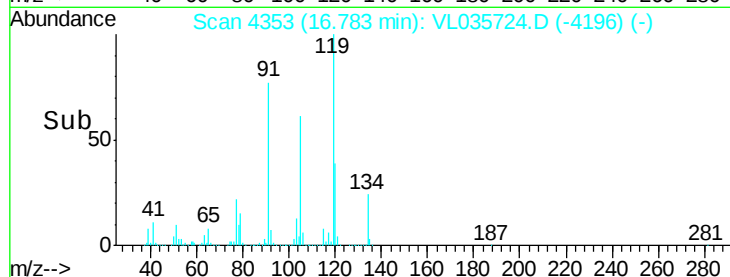
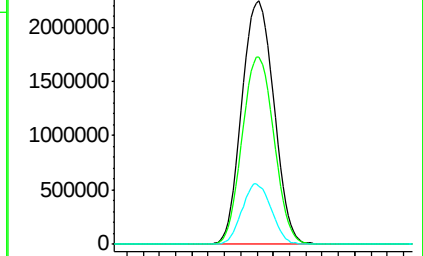
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 11.538 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

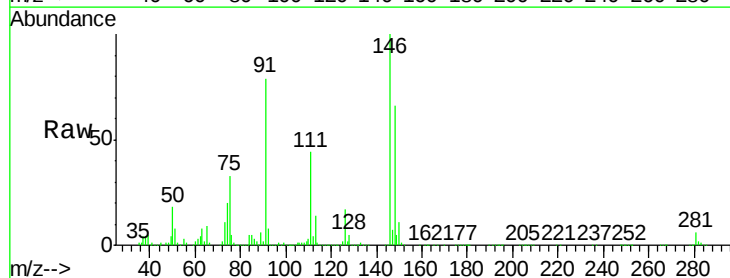
Tgt Ion: 91 Resp: 2211246

Ion Ratio Lower Upper

91 100

126 20.1 15.3 22.9

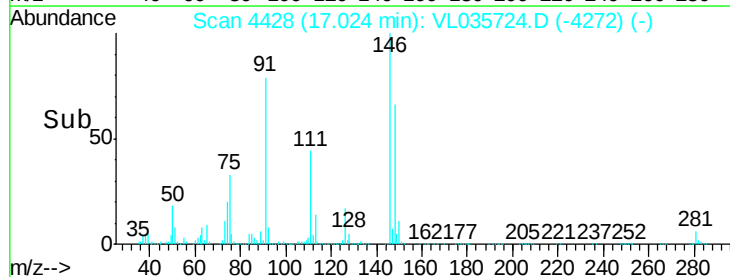
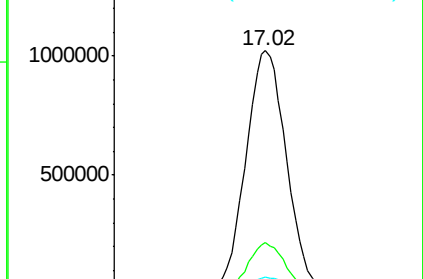
128 6.6 5.0 7.4

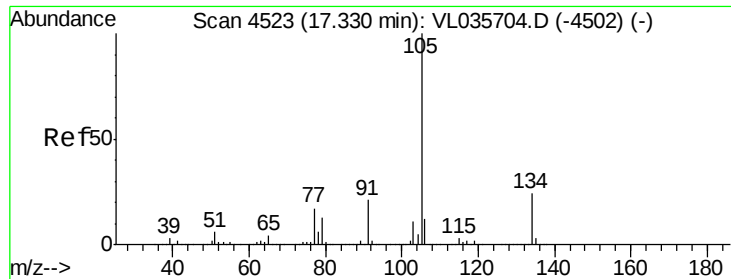


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#67

sec-Butylbenzene

Concen: 9.197 ppbv

RT: 17.33 min Scan# 4524

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 8033542

Ion Ratio Lower Upper

105 100

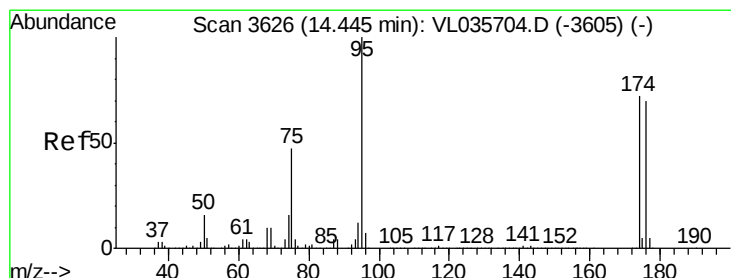
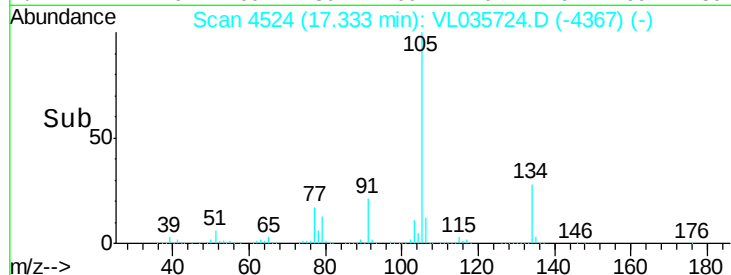
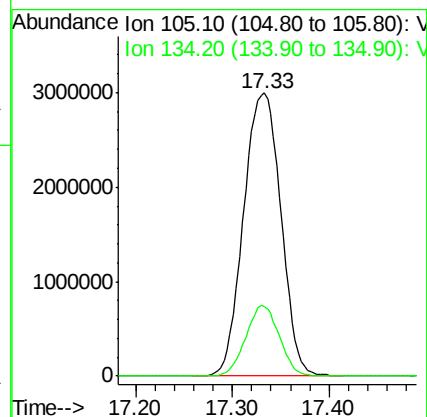
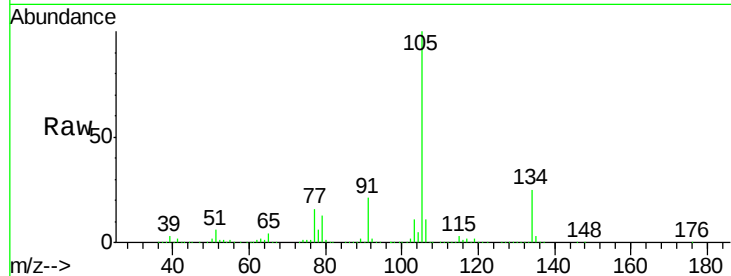
134 22.4 17.6 26.4

Manual Integrations

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#68

1-Bromo-4-Fluorobenzene

Concen: 9.565 ppbv

RT: 14.45 min Scan# 3627

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

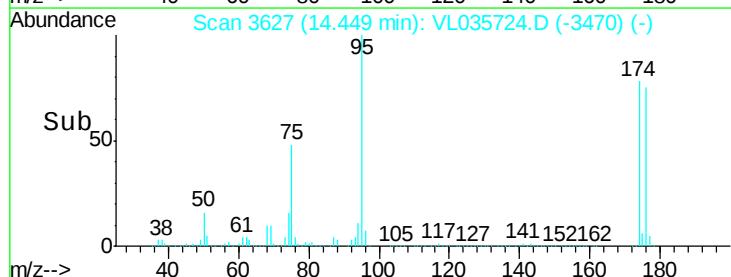
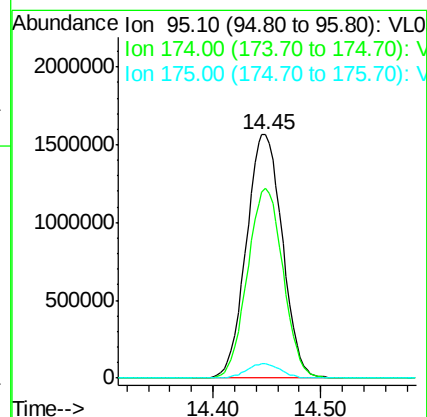
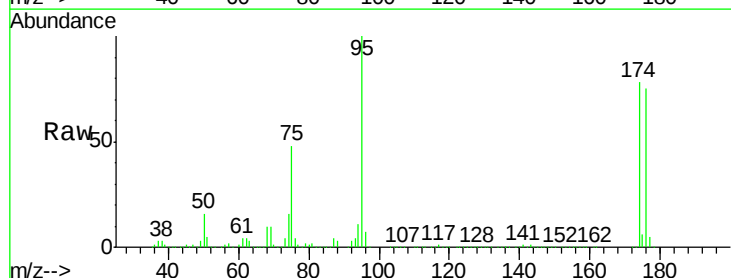
Tgt Ion: 95 Resp: 3625968

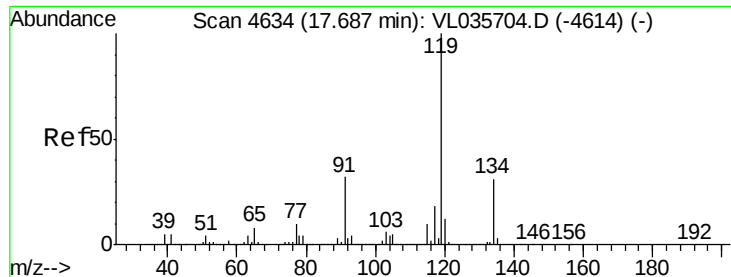
Ion Ratio Lower Upper

95 100

174 77.2 59.6 89.4

175 5.6 4.2 6.4





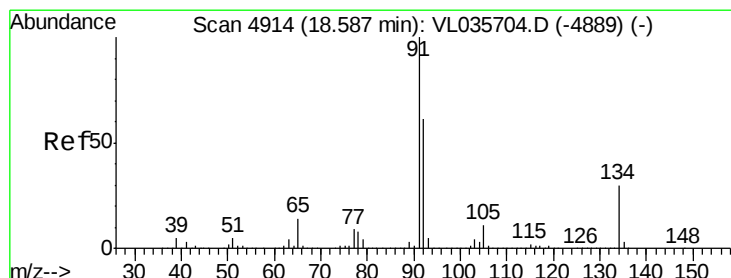
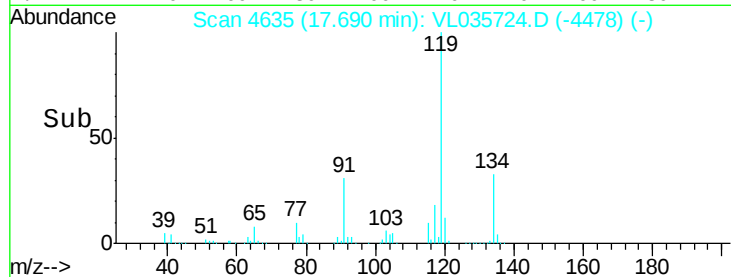
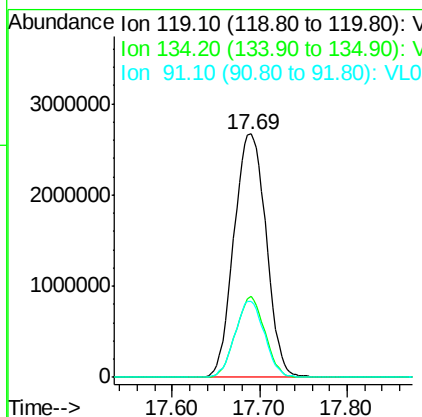
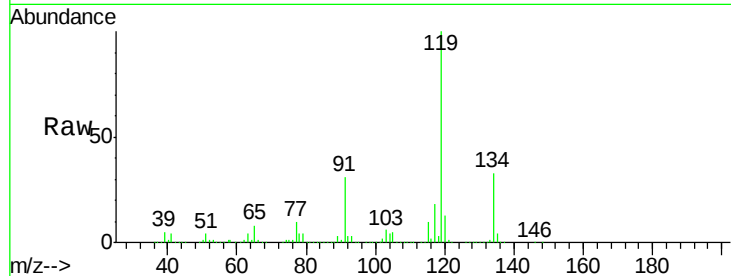
#69
 p-Isopropyltoluene
 Concen: 9.591 ppbv
 RT: 17.69 min Scan# 4635
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	30.0	23.9	35.9
91	28.8	23.8	35.6

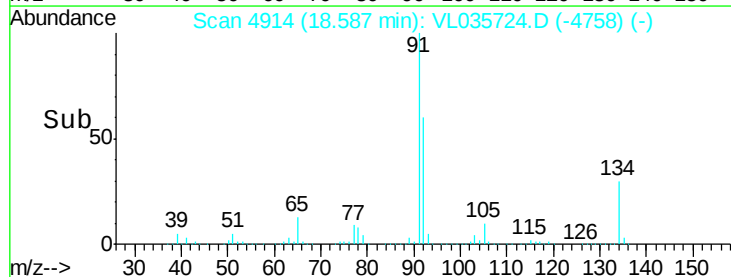
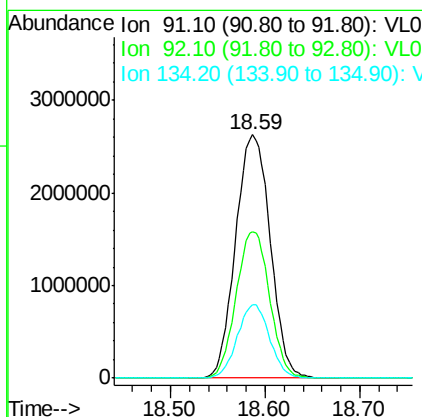
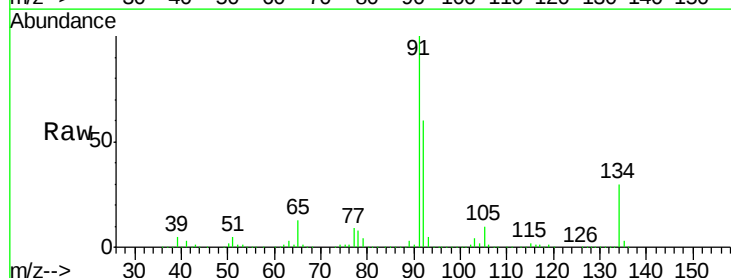
Manual Integrations
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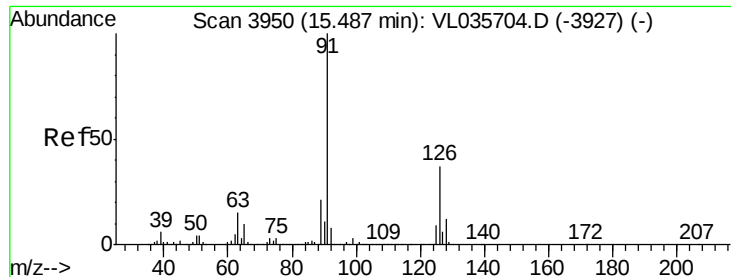
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#70
 n-Butylbenzene
 Concen: 9.138 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.3	47.0	70.4
134	28.1	21.9	32.9





#71

2-Chlorotoluene

Concen: 9.951 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion: 91 Resp: 5049826

Ion Ratio Lower Upper

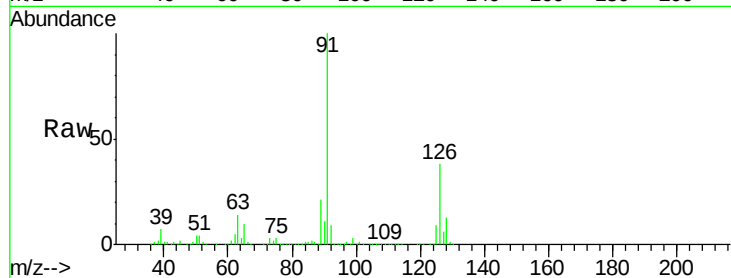
91 100

126 36.5 14.4 57.4

Manual Integrations
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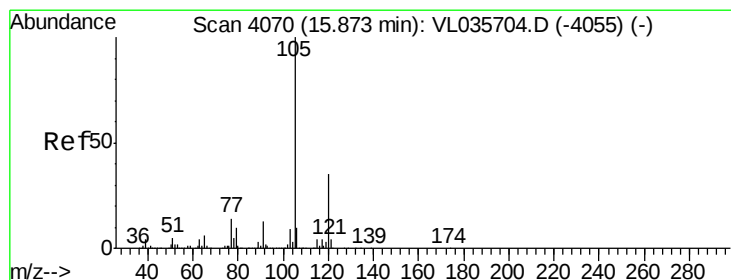
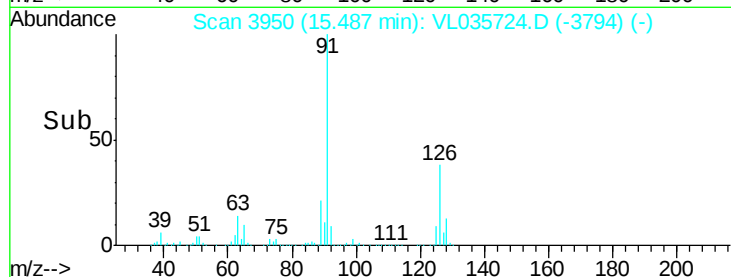
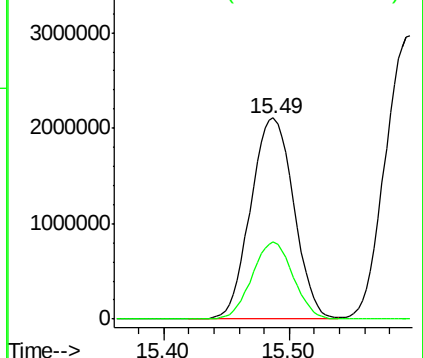
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.127 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Tgt Ion: 105 Resp: 5380916

Ion Ratio Lower Upper

105 100

120 33.5 26.5 39.7

91 12.4 10.2 15.2

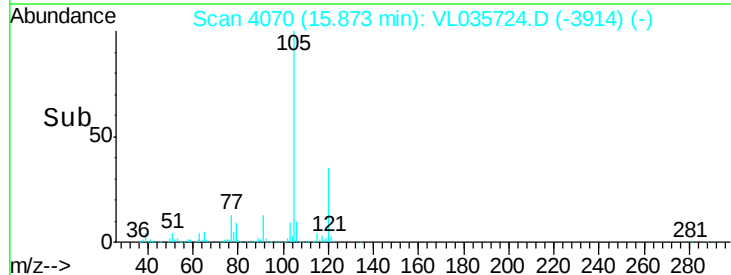
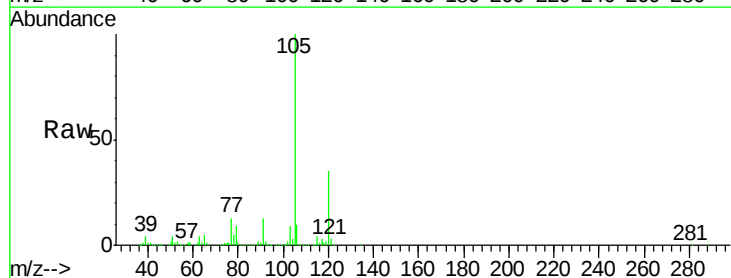
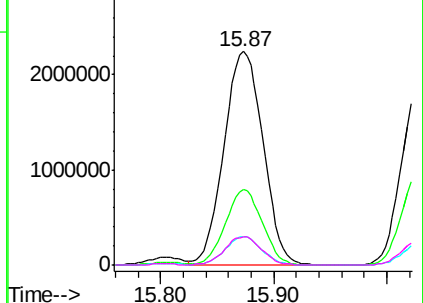
77 12.5 10.3 15.5

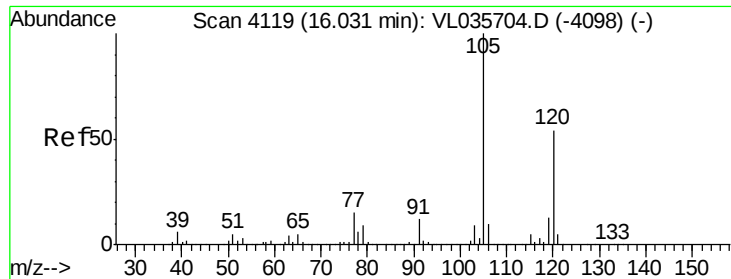
Abundance Ion 105.10 (104.80 to 105.80): V

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: 9.904 ppbv

RT: 16.03 min Scan# 4120

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tot Ion:105 Resp: 4973267

Ion Ratio Lower Upper

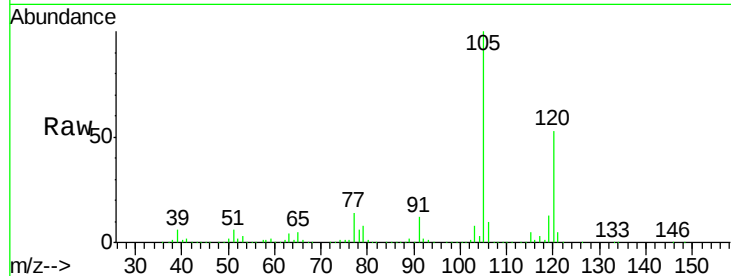
105 100

120 53.2 43.0 64.4

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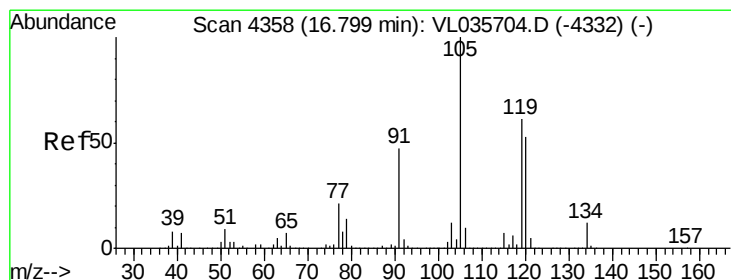
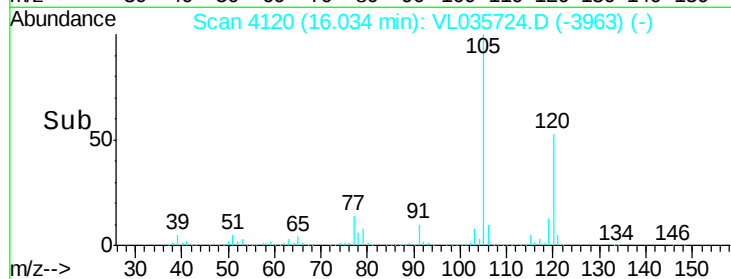
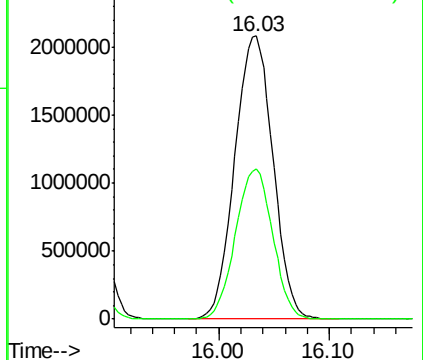
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.079 ppbv

RT: 16.80 min Scan# 4358

Delta R.T. 0.00 min

Lab File: VL035724.D

Acq: 29 Sep 2020 10:30

Tgt Ion:105 Resp: 5138903

Ion Ratio Lower Upper

105 100

120 54.4 42.5 63.7

91 50.4 37.7 56.5

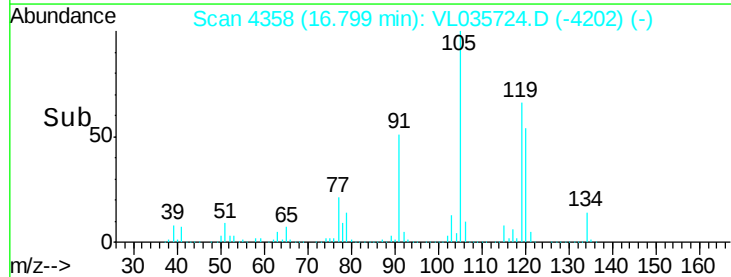
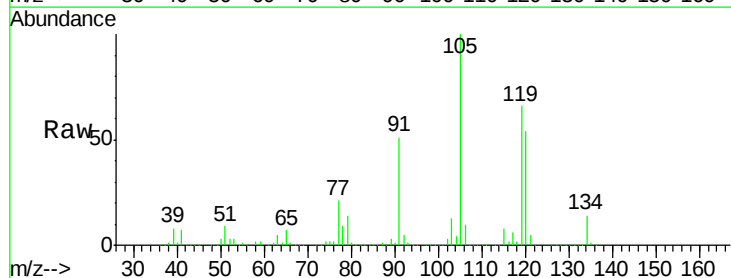
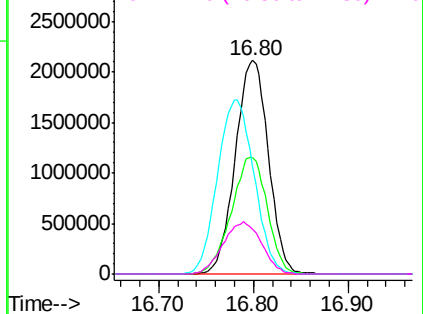
77 21.0 16.7 25.1

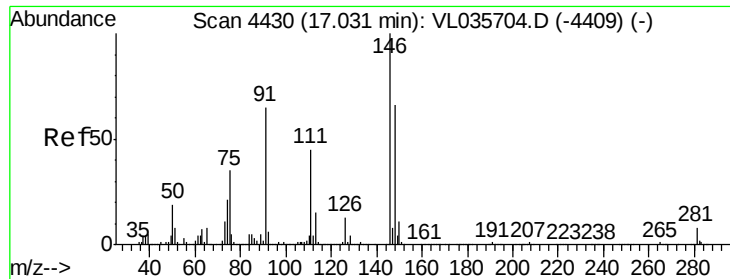
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





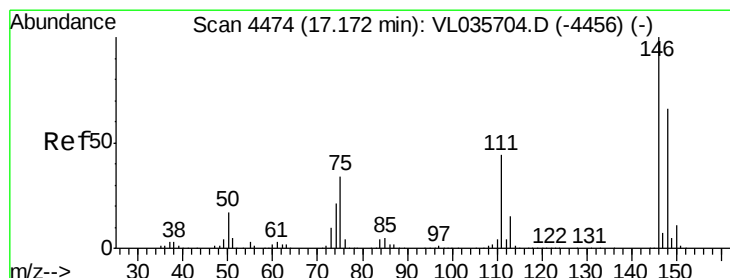
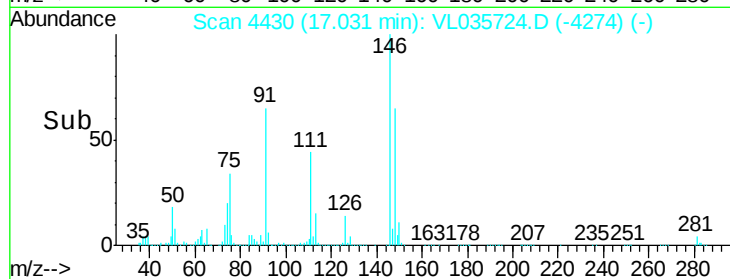
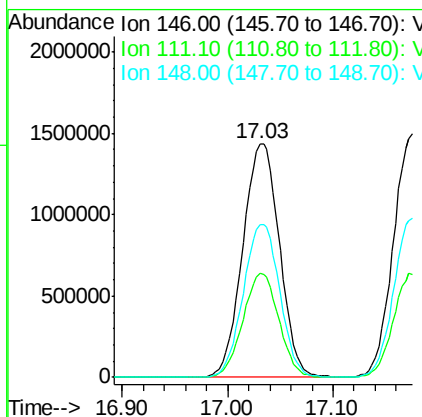
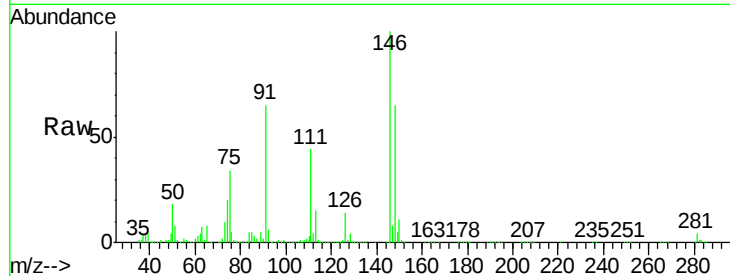
#75
 1,3-Dichlorobenzene
 Concen: 9.029 ppbv
 RT: 17.03 min Scan# 4430
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion	Ratio	Lower	Upper
146	100		
111	43.3	22.4	67.0
148	65.1	33.0	99.0

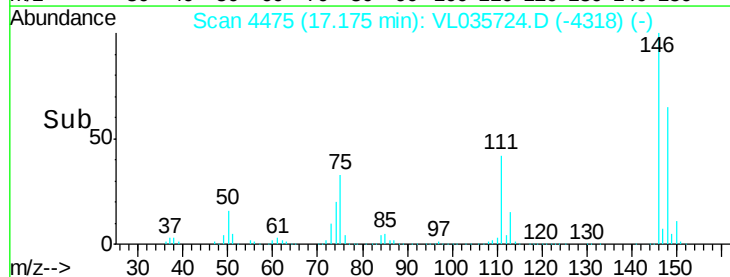
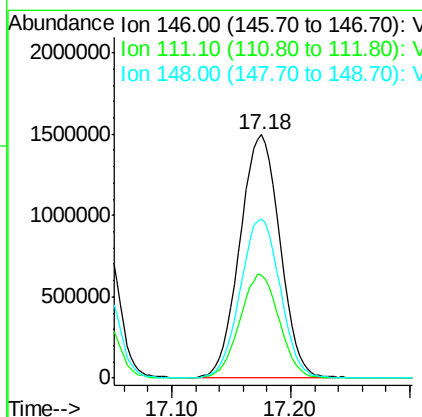
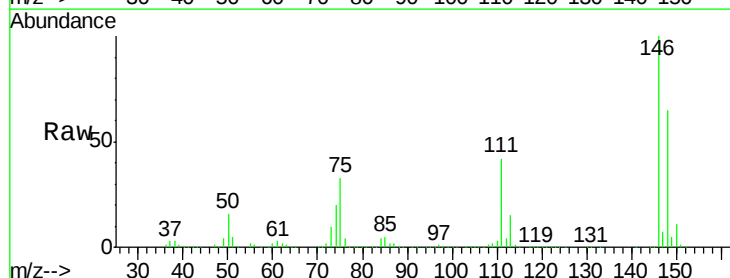
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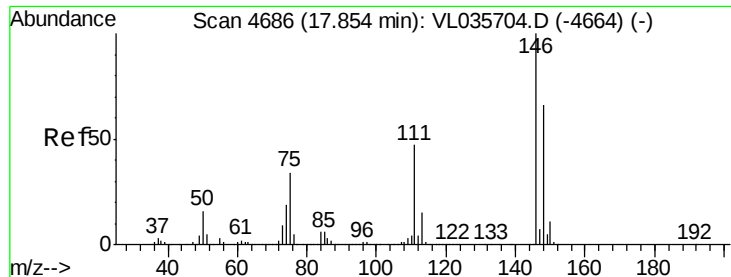
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#76
 1,4-Dichlorobenzene
 Concen: 9.396 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.3	21.4	64.3
148	65.8	32.6	98.0





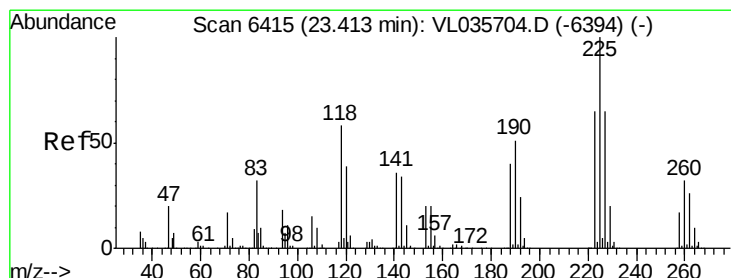
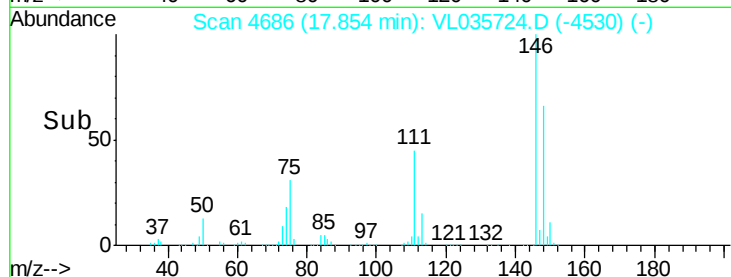
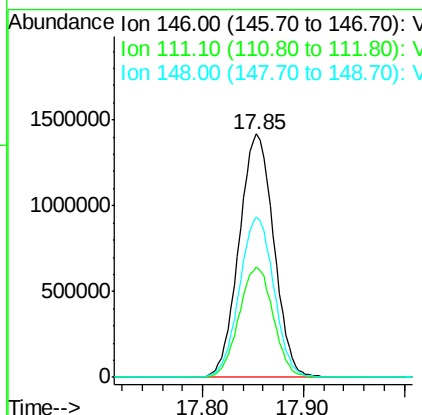
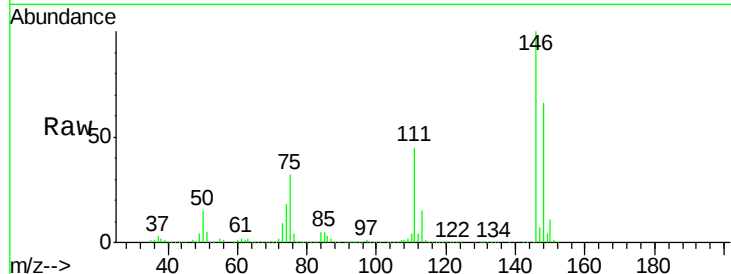
#77
 1,2-Dichlorobenzene
 Concen: 9.262 ppbv
 RT: 17.85 min Scan# 4686
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:146 Resp: 3380603
 Ion Ratio Lower Upper
 146 100
 111 44.8 22.9 68.5
 148 65.4 32.6 98.0

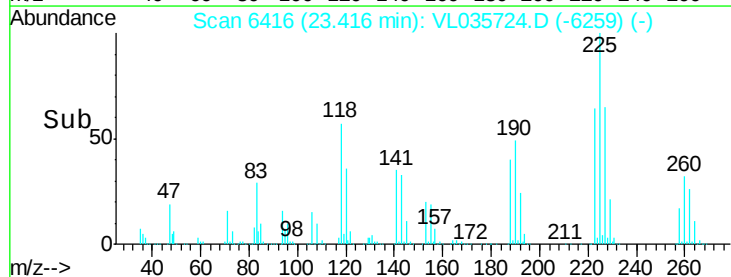
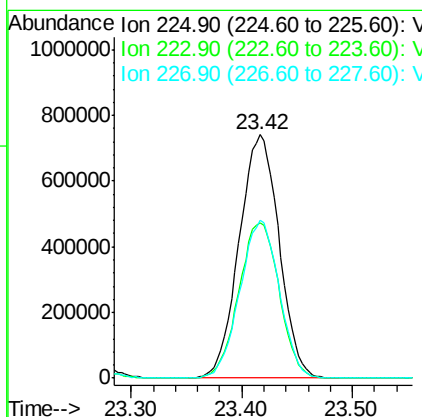
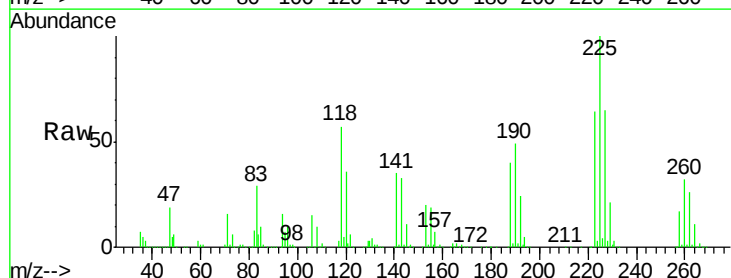
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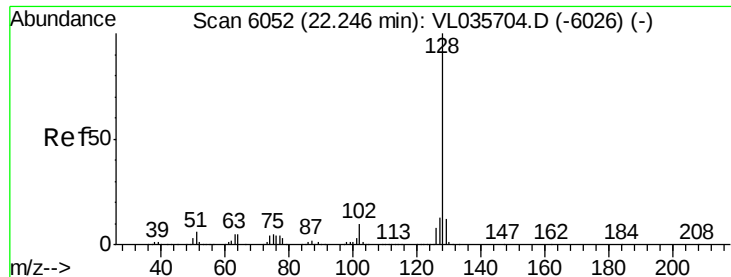
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.219 ppbv
 RT: 23.42 min Scan# 6416
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Tgt Ion:225 Resp: 1856596
 Ion Ratio Lower Upper
 225 100
 223 64.6 51.3 76.9
 227 64.1 51.6 77.4





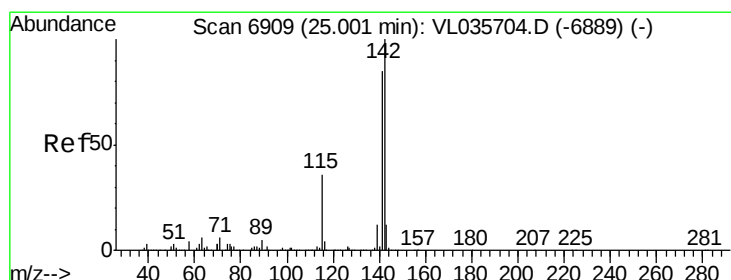
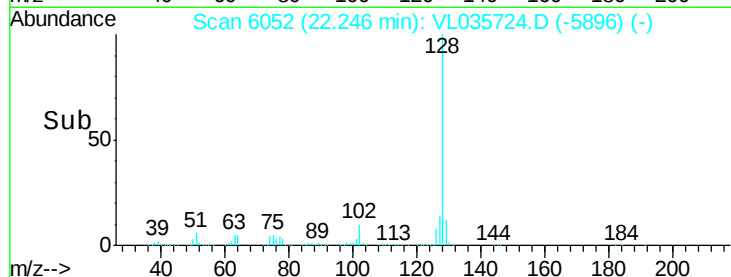
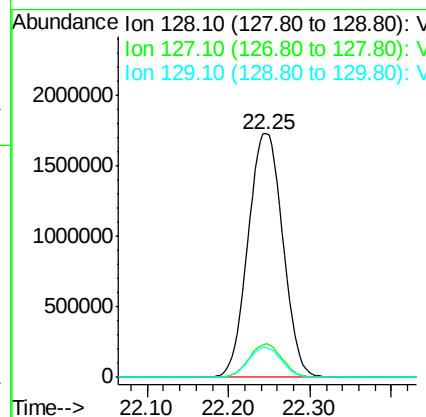
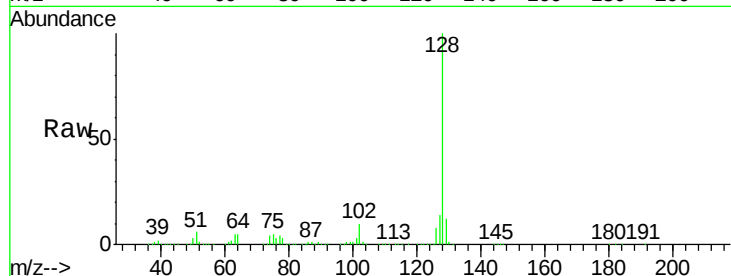
#79
Naphthalene
Concen: 9.416 ppbv
RT: 22.25 min Scan# 6052
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.7	10.6	15.8
129	12.3	9.4	14.0

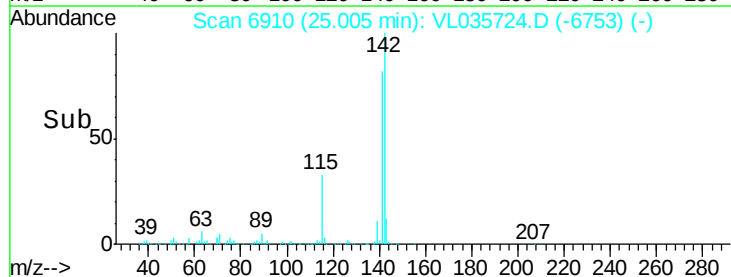
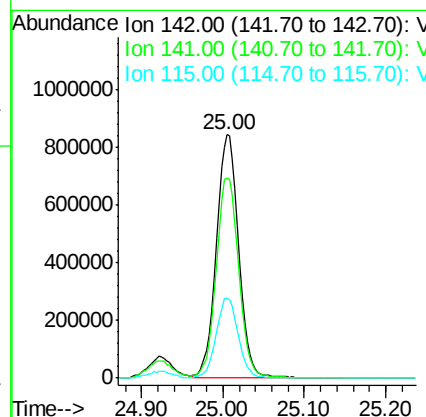
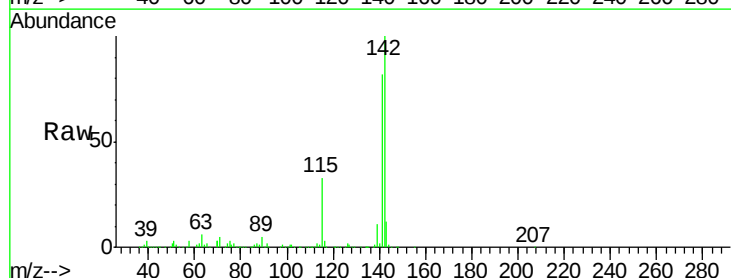
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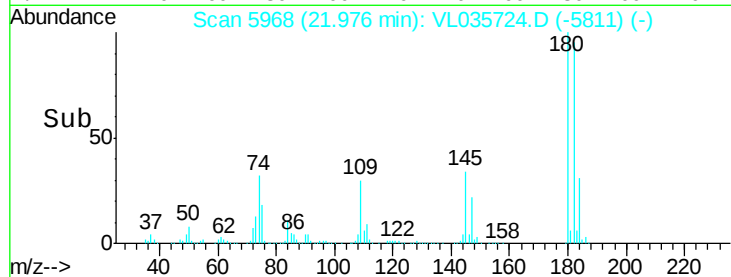
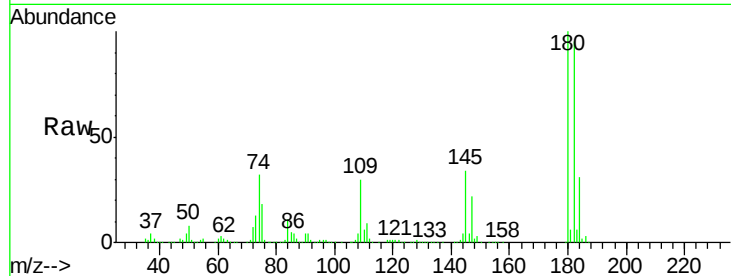
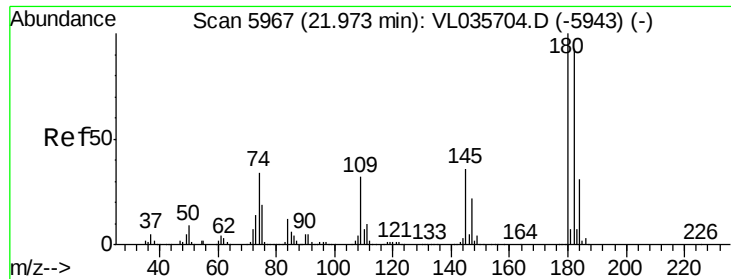
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#80
Naphthalene, 2-methyl-
Concen: 12.820 ppbv
RT: 25.00 min Scan# 6910
Delta R.T. 0.00 min
Lab File: VL035724.D
Acq: 29 Sep 2020 10:30

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.9	68.2	102.4
115	32.5	27.8	41.6





#81
 1,2,4-Trichlorobenzene
 Concen: 9.652 ppbv
 RT: 21.98 min Scan# 5968
 Delta R.T. 0.00 min
 Lab File: VL035724.D
 Acq: 29 Sep 2020 10:30

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tot Ion:180 Resp: 2700629
 Ion Ratio Lower Upper
 180 100
 182 95.6 76.2 114.2
 184 31.3 24.6 37.0

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