

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061920\
 Data File : VL035096.D
 Acq On : 19 Jun 2020 15:52
 Operator : SY/AP
 Sample : VSTDICCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Manual Integrations
 APPROVED

MMDadoda
 6/22/2020 2:08:51 PM

Quant Time: Jun 20 01:35:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
 QLast Update : Sat Jun 20 01:15:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1378942	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3250876	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3357652m	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.45	95	2621126	9.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.80%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.00	85	1602850	8.081	ppbv 100
3) Chlorodifluoromethane	2.94	51	1364278	8.644	ppbv 100
4) Chloromethane	3.09	50	783970	8.676	ppbv 100
5) Vinyl Chloride	3.21	62	766717	8.714	ppbv 100
6) Bromomethane	3.43	94	467343	8.871	ppbv 100
7) Chloroethane	3.52	64	282754	8.956	ppbv 100
8) Dichlorotetrafluoroethane	3.14	85	1762094	8.664	ppbv 100
9) Propene	2.96	41	574847	8.498	ppbv 100
10) Heptane	8.12	43	1565259	9.229	ppbv 100
11) Trichlorofluoromethane	3.91	101	1768550	8.766	ppbv 100
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1241353	8.657	ppbv 100
13) Ethanol	3.56	45	150625	6.887	ppbv 99
14) Bromoethene	3.70	108	558777	9.414	ppbv 99
15) Acetone	3.81	43	1365694	7.505	ppbv 100
16) 1,3-Butadiene	3.28	39	699025	8.913	ppbv 100
17) tert-Butyl alcohol	4.26	59	1412605	8.750	ppbv 100
18) 1,1-Dichloroethene	4.26	96	581694	9.342	ppbv 100
19) Isopropyl Alcohol	3.93	45	980521	8.178	ppbv 100
20) Methylene Chloride	4.31	84	505560	8.398	ppbv 100
21) Allyl Chloride	4.38	41	971327	9.475	ppbv 100
22) trans-1,2-Dichloroethene	4.86	96	554753	9.092	ppbv 100
23) Vinyl Acetate	5.05	43	2016821	8.834	ppbv 100
24) 1,1-Dichloroethane	4.99	63	1559853	8.767	ppbv 100
25) Ethyl Acetate	5.66	43	2716380	8.891	ppbv 100
26) Hexane	5.67	57	1202583	9.072	ppbv 100
27) Carbon Disulfide	4.52	76	1468659	9.500	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1848298	9.181	ppbv 100
29) Chloroform	5.74	83	1898748	8.727	ppbv 100
30) Cyclohexane	7.13	84	1031989	10.036	ppbv 100
31) cis-1,2-Dichloroethene	5.53	61	1243289	9.577	ppbv 100
32) 1,1,1-Trichloroethane	6.50	97	1839356	9.352	ppbv 100
34) 2-Butanone	5.22	43	1747254	8.707	ppbv 100
35) Carbon Tetrachloride	7.01	117	1874759	9.150	ppbv 100
36) Benzene	6.89	78	2433955	9.097	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1477423	8.928	ppbv 100
38) Trichloroethene	7.84	130	951029	9.132	ppbv 100
39) 1,2-Dichloropropane	7.61	63	953557	8.896	ppbv 100
40) 1,4-Dioxane	7.83	88	342339	8.015	ppbv # 99
41) Tetrahydrofuran	6.03	42	978192	9.290	ppbv 100
42) Bromodichloromethane	7.80	83	2031371	9.109	ppbv 100
43) Methyl Methacrylate	8.01	69	1113696	9.864	ppbv 100

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Manual Integrations
 APPROVED

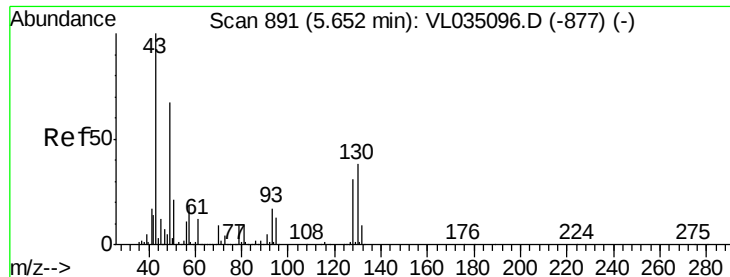
MMDadoda
 6/22/2020 2:08:51 PM

Quant Time: Jun 20 01:35:54 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061920AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Sat Jun 20 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) 2,2,4-Trimethylpentane	7.87	57	4180674	8.796	ppbv	100
45) t-1,3-Dichloropropene	9.29	75	1232055	10.870	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1453228	10.423	ppbv	100
47) 1,1,2-Trichloroethane	9.49	97	1020111	8.984	ppbv	100
48) Dibromochloromethane	10.32	129	1683902	9.666	ppbv	100
49) Bromoform	13.07	173	1467092	9.821	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2612411	9.132	ppbv	100
51) 2-Hexanone	10.14	43	2136669	9.572	ppbv #	100
52) Tetrachloroethene	11.24	164	860749	9.016	ppbv	100
53) Toluene	9.82	91	2813840	9.912	ppbv	100
54) 1,2-Dibromoethane	10.63	107	1536197	9.231	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.15	131	1261966	8.425	ppbv #	58
57) Chlorobenzene	12.17	112	2146583	8.142	ppbv	100
58) Ethyl Benzene	12.73	91	3735346	9.139	ppbv	100
59) m/p-Xylene	13.02	91	6218866m	17.254	ppbv	
60) o-Xylene	13.72	91	3085379	8.669	ppbv	100
61) Styrene	13.55	104	2198447	9.790	ppbv	100
62) Isopropylbenzene	14.70	105	4503067	8.489	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2169770	7.712	ppbv	100
64) n-propylbenzene	15.59	120	1199207	8.797	ppbv	100
65) tert-Butylbenzene	16.78	119	3885407	8.423	ppbv	100
66) Benzyl Chloride	17.02	91	1461563	9.557	ppbv	100
67) sec-Butylbenzene	17.33	105	5519219	8.396	ppbv	100
69) p-Isopropyltoluene	17.69	119	4544915	8.550	ppbv	100
70) n-Butylbenzene	18.59	91	4705521	8.330	ppbv	100
71) 2-Chlorotoluene	15.48	91	3511681	8.762	ppbv	100
72) 4-Ethyltoluene	15.87	105	3575736	8.997	ppbv	100
73) 1,3,5-Trimethylbenzene	16.03	105	3309621	8.587	ppbv	100
74) 1,2,4-Trimethylbenzene	16.80	105	3386577	8.048	ppbv	100
75) 1,3-Dichlorobenzene	17.03	146	1961180	7.906	ppbv	100
76) 1,4-Dichlorobenzene	17.18	146	1959174	8.323	ppbv	100
77) 1,2-Dichlorobenzene	17.86	146	1832124	7.885	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1505097	7.563	ppbv	100
79) Naphthalene	22.25	128	3304365	10.178	ppbv	100
80) Naphthalene, 2-methyl-	25.01	142	1555184	19.019	ppbv	100
81) 1,2,4-Trichlorobenzene	21.99	180	1756351	8.875	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

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VSTDICCC010

Tot Ion: 49 Resp: 1378942

Ion Ratio Lower Upper

49 100

128 45.6 22.9 68.5

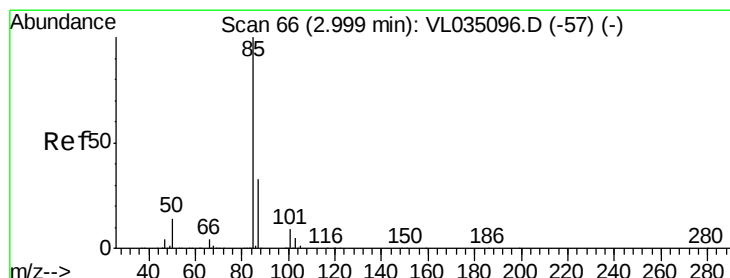
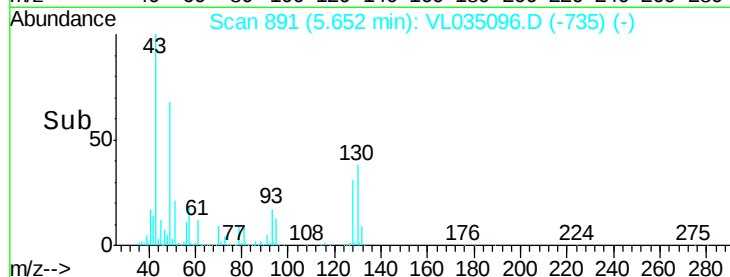
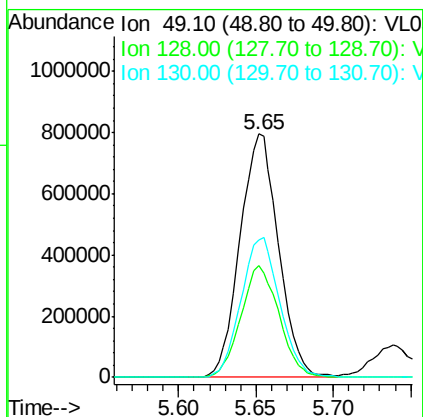
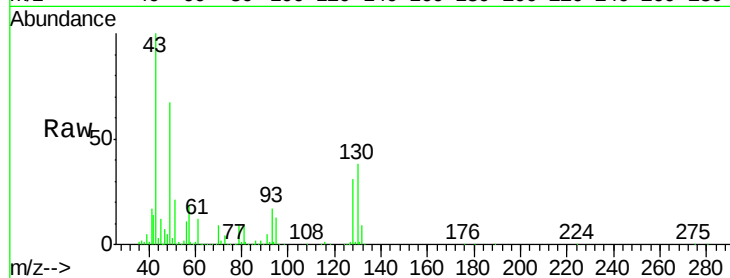
130 58.2 29.0 87.0

Manual Integrations

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#2

Dichlorodifluoromethane

Concen: 8.081 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL035096.D

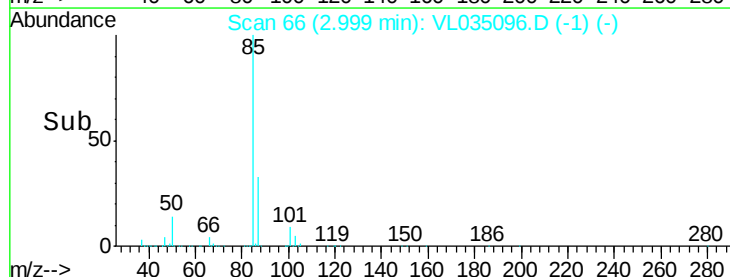
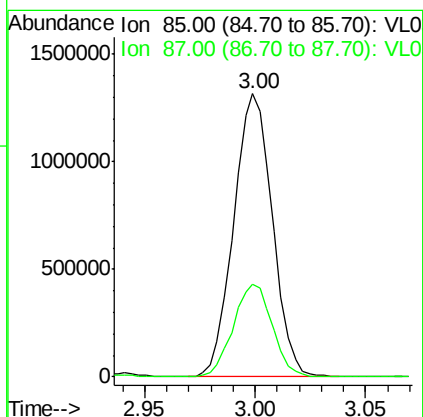
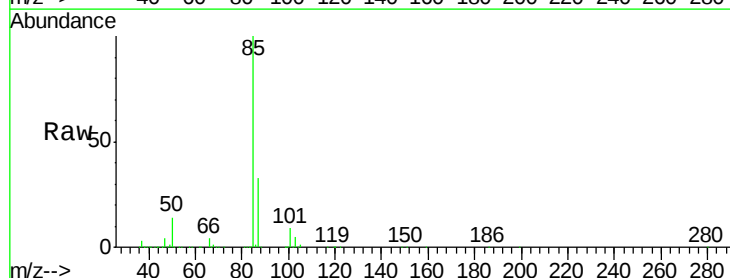
Acq: 19 Jun 2020 15:52

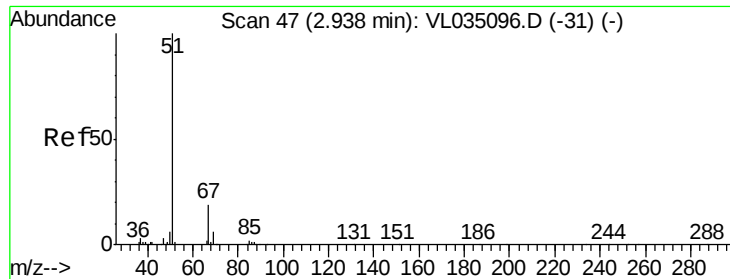
Tgt Ion: 85 Resp: 1602850

Ion Ratio Lower Upper

85 100

87 32.6 26.1 39.1





#3

Chlorodifluoromethane

Concen: 8.644 ppbv

RT: 2.94 min Scan# 47

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Tot Ion: 51 Resp: 1364278

Ion Ratio Lower Upper

51 100

67 19.0 15.2 22.8

Instrument :

MSVOA_L

ClientSampleId :

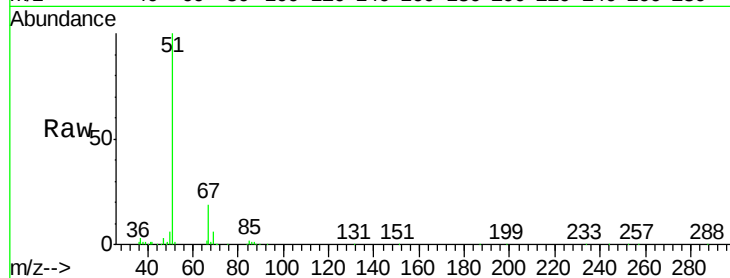
VSTDICCC010

Manual Integrations

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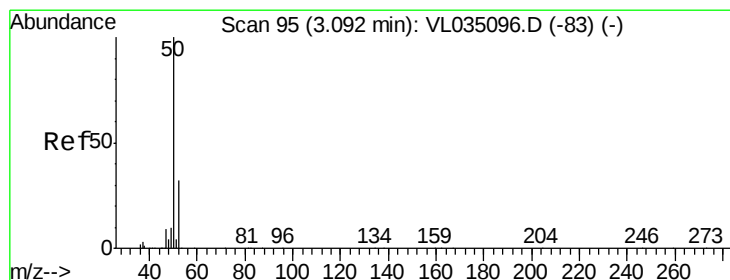
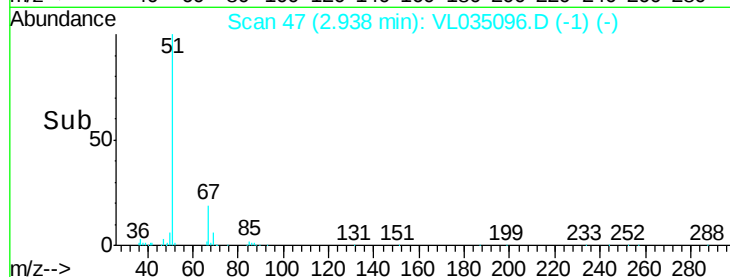
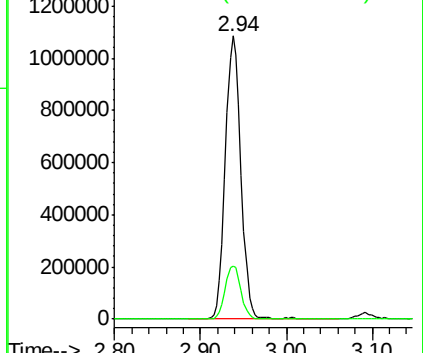
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 8.676 ppbv

RT: 3.09 min Scan# 95

Delta R.T. 0.00 min

Lab File: VL035096.D

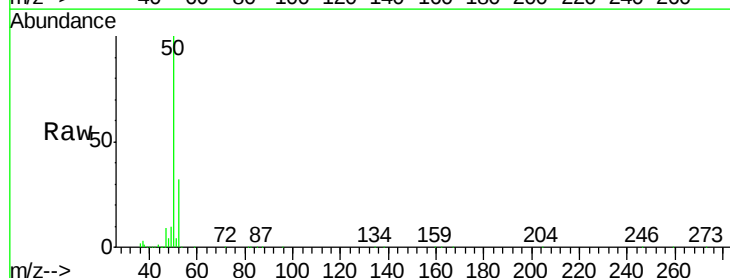
Acq: 19 Jun 2020 15:52

Tgt Ion: 50 Resp: 783970

Ion Ratio Lower Upper

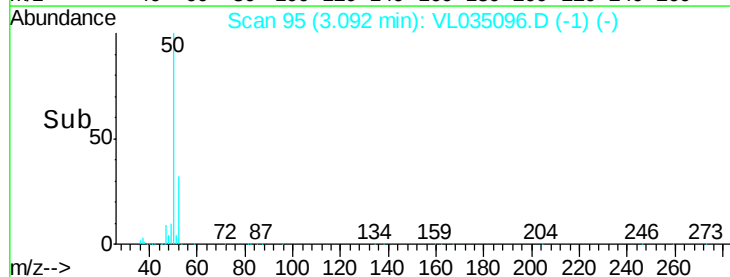
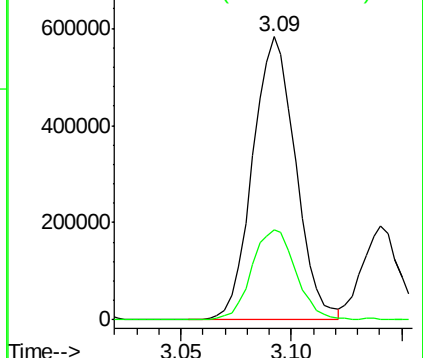
50 100

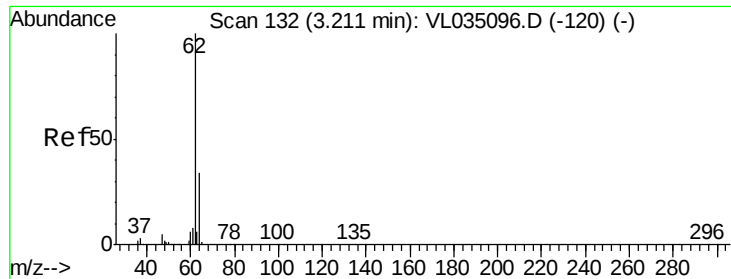
52 31.7 25.4 38.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 8.714 ppbv

RT: 3.21 min Scan# 132

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 62 Resp: 766717

Ion Ratio Lower Upper

62 100

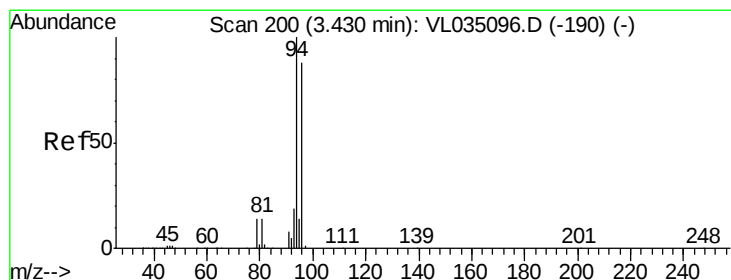
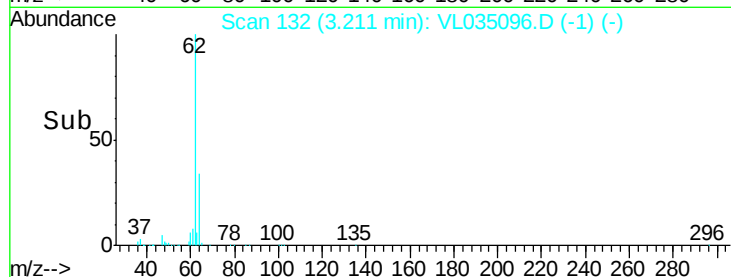
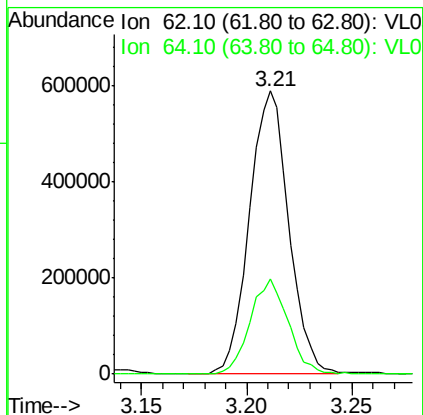
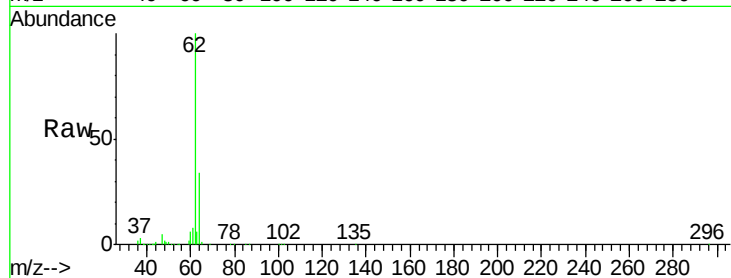
64 33.7 27.0 40.4

Manual Integrations

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#6

Bromomethane

Concen: 8.871 ppbv

RT: 3.43 min Scan# 200

Delta R.T. 0.00 min

Lab File: VL035096.D

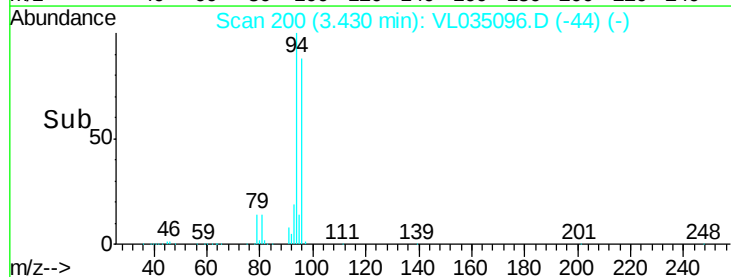
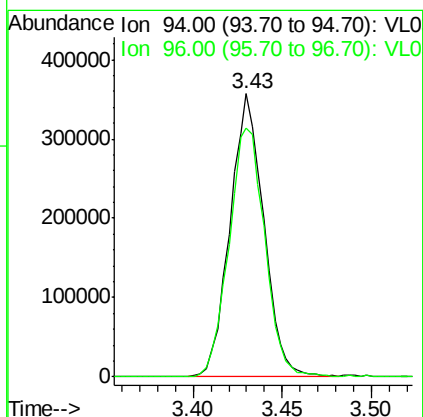
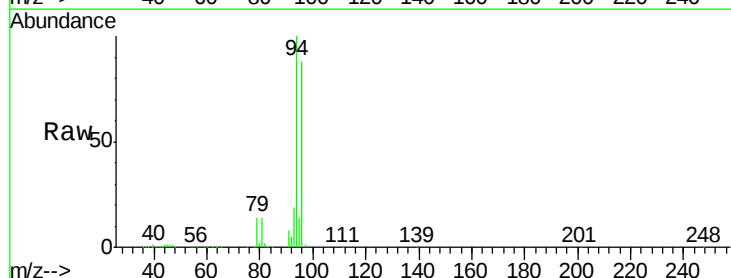
Acq: 19 Jun 2020 15:52

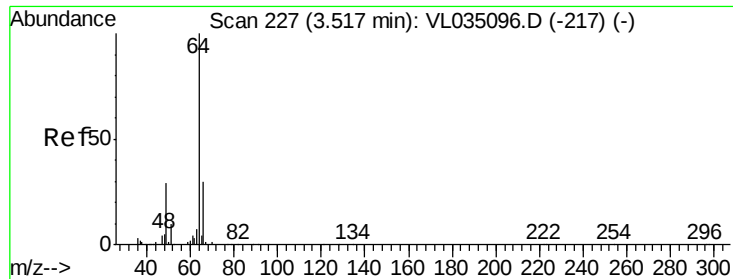
Tgt Ion: 94 Resp: 467343

Ion Ratio Lower Upper

94 100

96 87.7 70.2 105.2





#7

Chloroethane

Concen: 8.956 ppbv

RT: 3.52 min Scan# 227

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 64 Resp: 282754

Ion Ratio Lower Upper

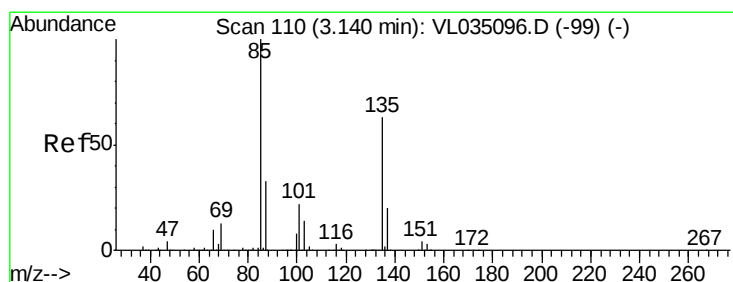
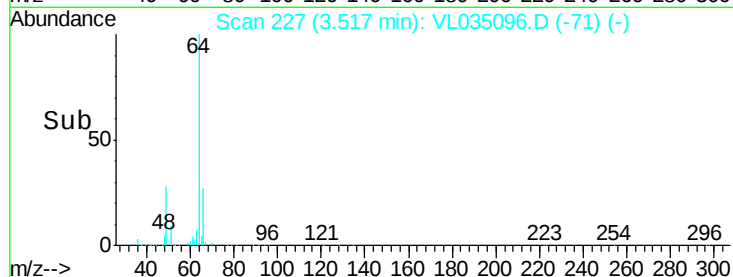
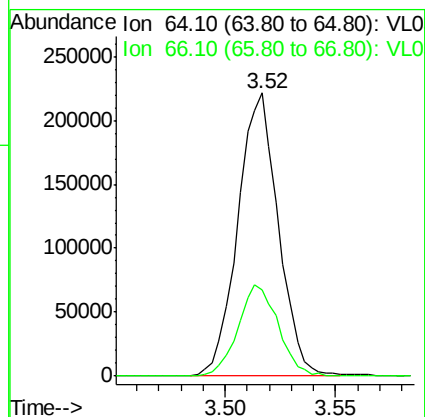
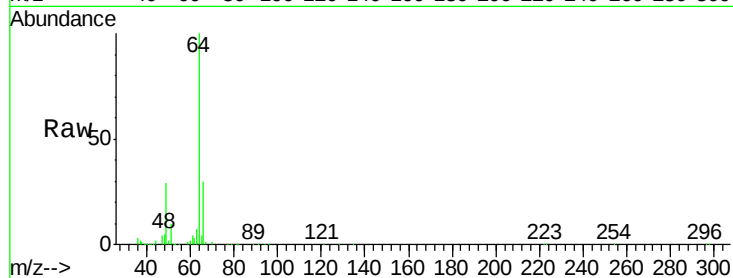
64 100

66 30.3 24.2 36.4

Manual Integrations
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#8

Dichlorotetrafluoroethane

Concen: 8.664 ppbv

RT: 3.14 min Scan# 110

Delta R.T. 0.00 min

Lab File: VL035096.D

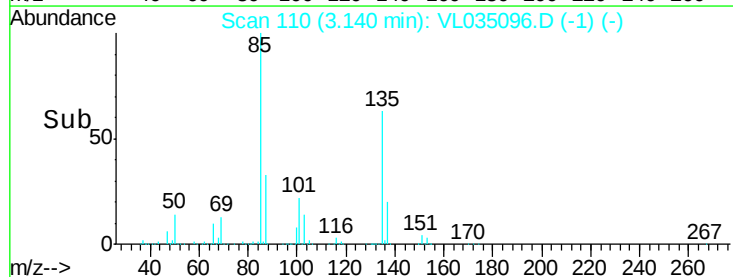
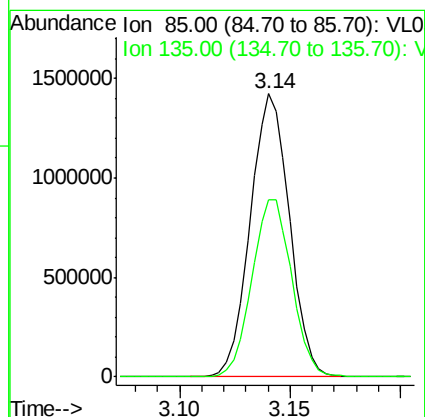
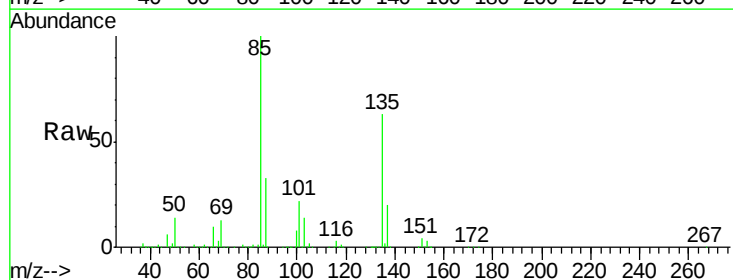
Acq: 19 Jun 2020 15:52

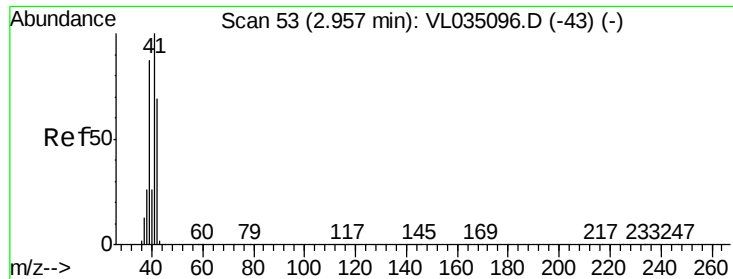
Tgt Ion: 85 Resp: 1762094

Ion Ratio Lower Upper

85 100

135 63.8 51.0 76.6





#9

Propene

Concen: 8.498 ppbv

RT: 2.96 min Scan# 53

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 41 Resp: 574847

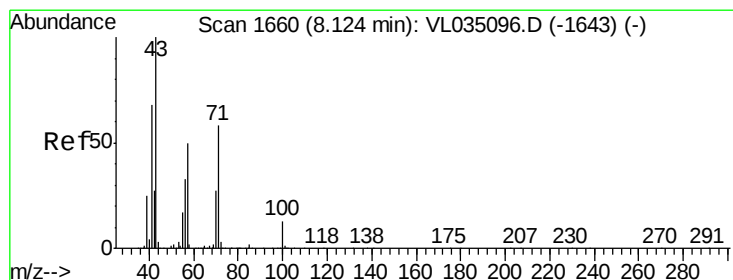
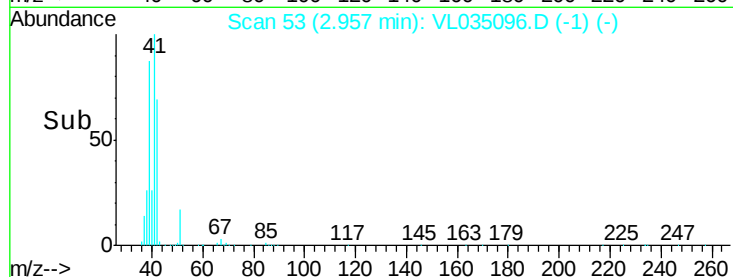
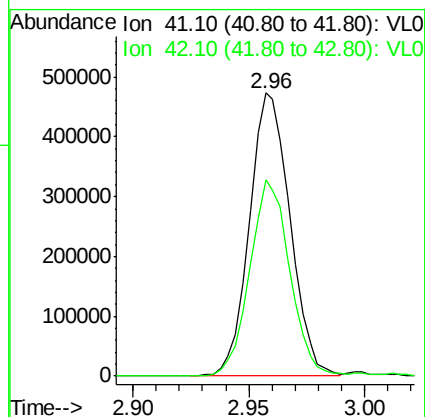
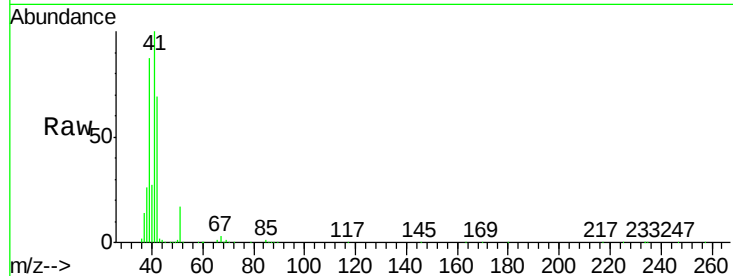
Ion Ratio Lower Upper

41 100

42 69.7 55.8 83.6

Manual Integrations
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#10

Heptane

Concen: 9.229 ppbv

RT: 8.12 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VL035096.D

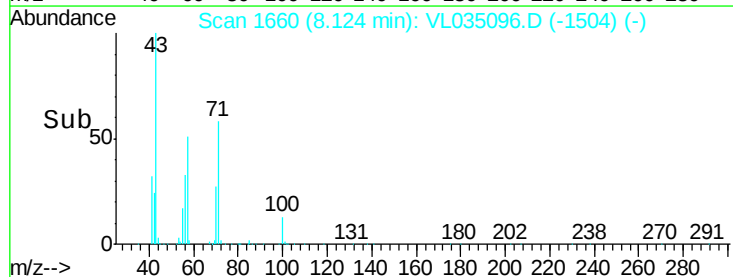
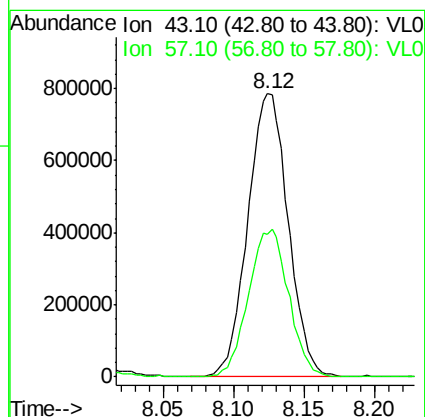
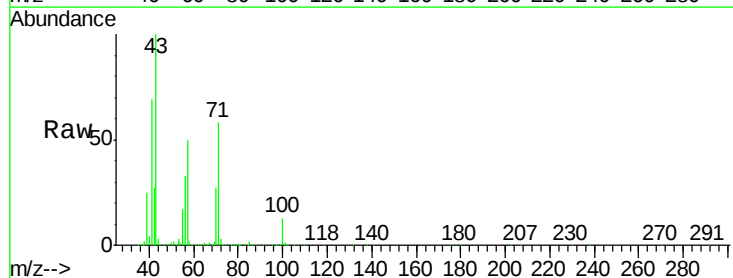
Acq: 19 Jun 2020 15:52

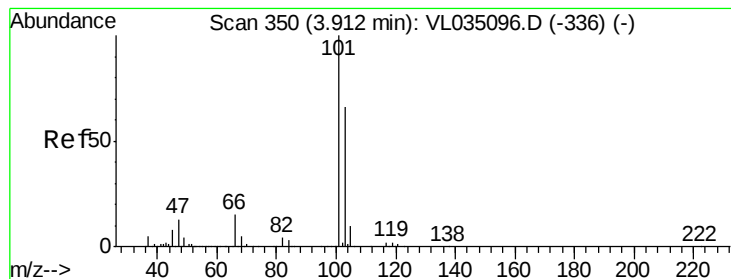
Tgt Ion: 43 Resp: 1565259

Ion Ratio Lower Upper

43 100

57 52.2 41.9 62.9





#11

Trichlorofluoromethane

Concen: 8.766 ppbv

RT: 3.91 min Scan# 350

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:101 Resp: 1768550

Ion Ratio Lower Upper

101 100

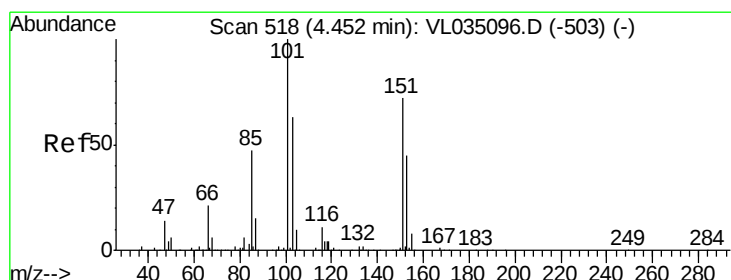
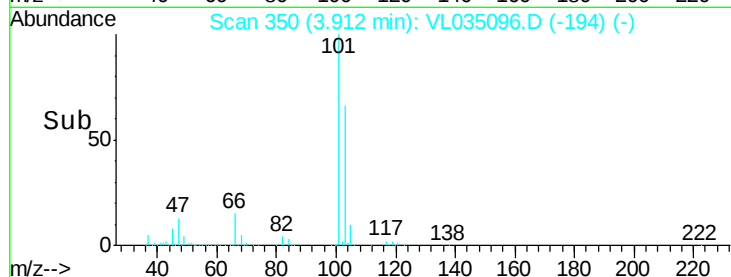
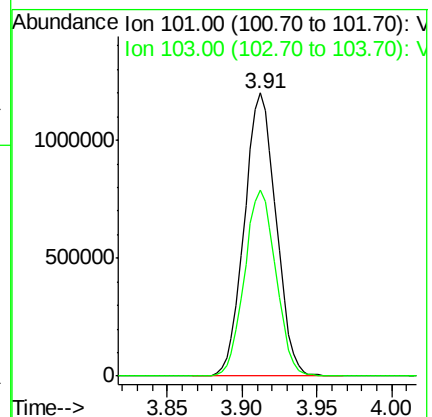
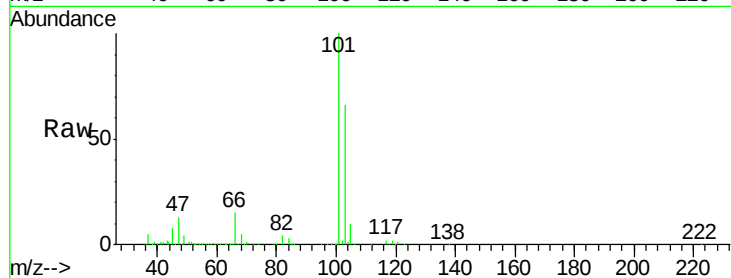
103 65.8 52.6 79.0

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 8.657 ppbv

RT: 4.45 min Scan# 518

Delta R.T. 0.00 min

Lab File: VL035096.D

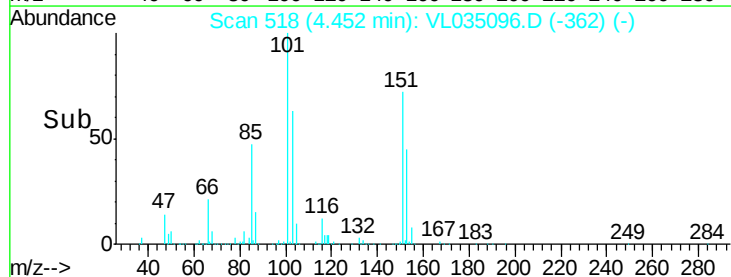
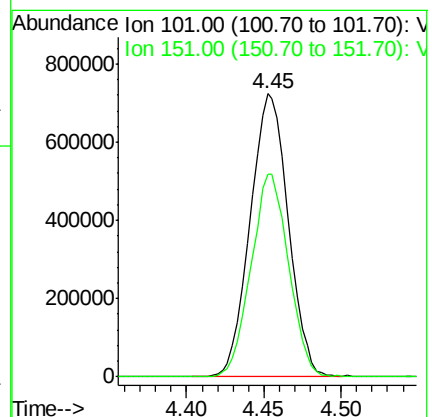
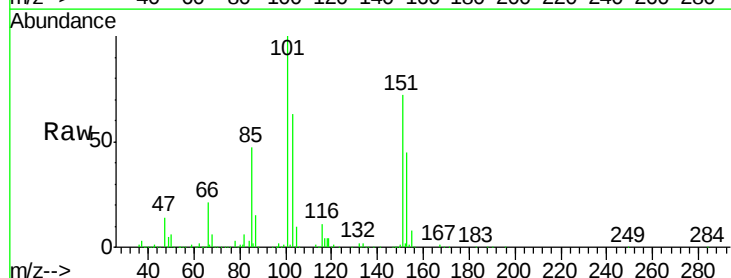
Acq: 19 Jun 2020 15:52

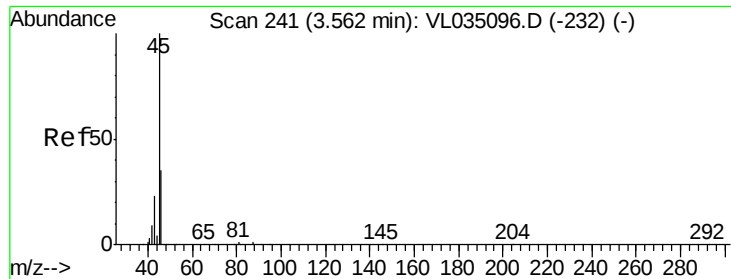
Tgt Ion:101 Resp: 1241353

Ion Ratio Lower Upper

101 100

151 70.9 56.6 85.0





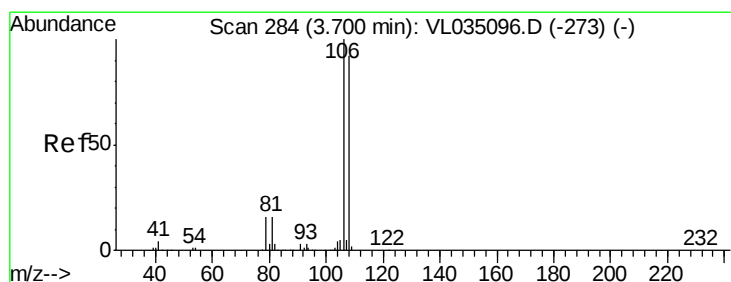
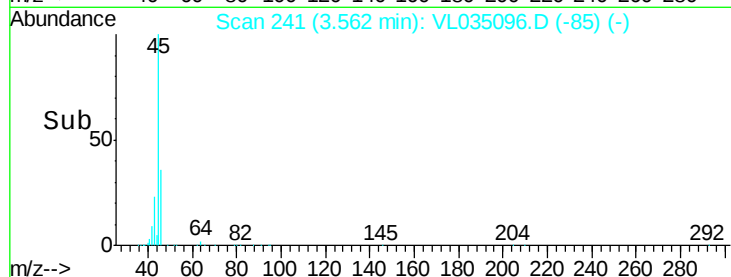
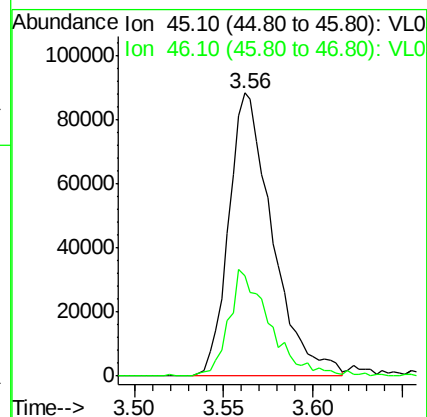
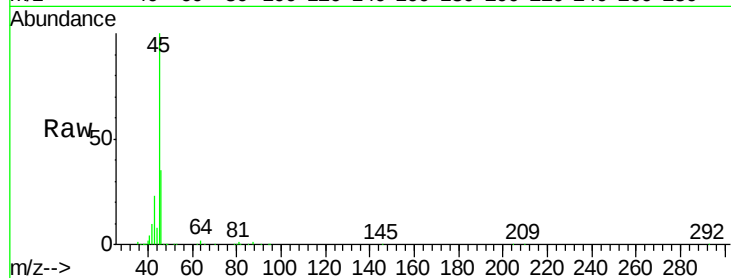
#13
Ethanol
Concen: 6.887 ppbv
RT: 3.56 min Scan# 241
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
45	100		
46	36.1	14.2	57.0

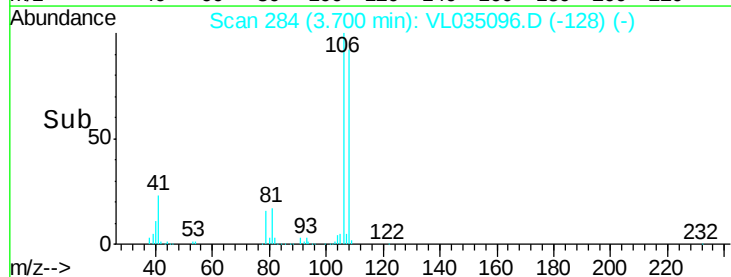
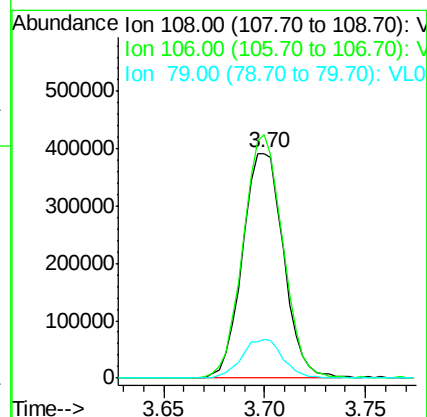
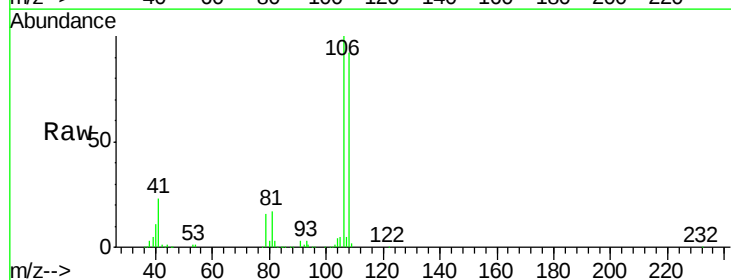
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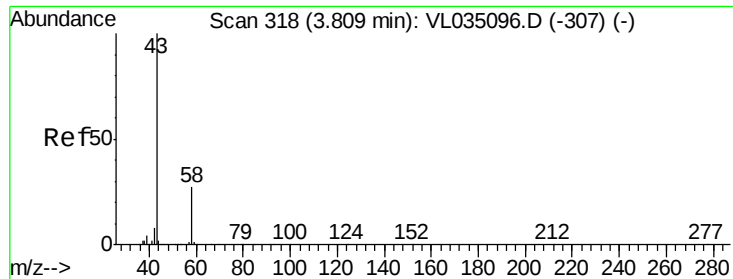
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#14
Bromoethene
Concen: 9.414 ppbv
RT: 3.70 min Scan# 284
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion	Ratio	Lower	Upper
108	100		
106	106.2	84.4	126.6
79	17.6	14.2	21.2





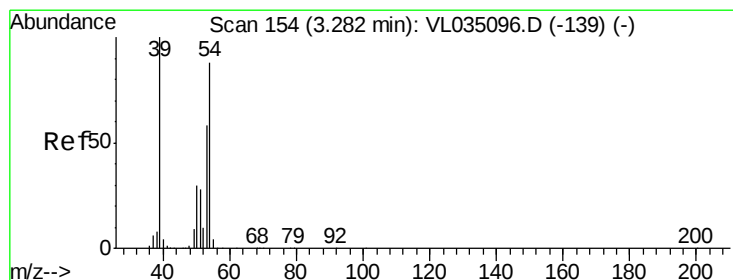
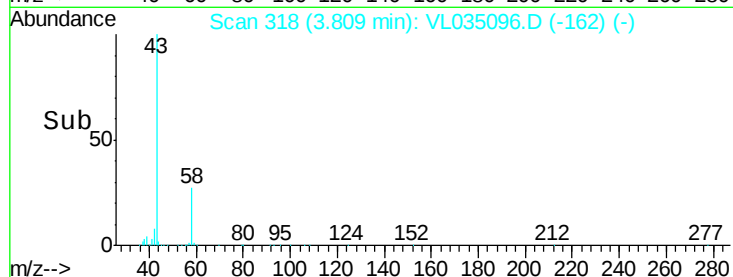
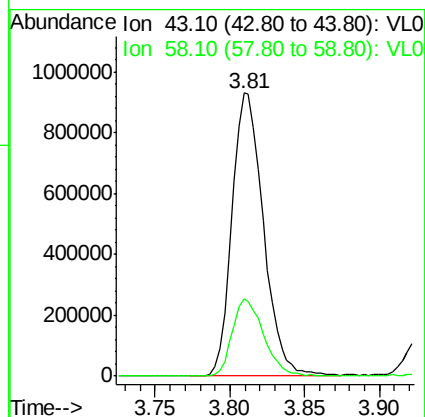
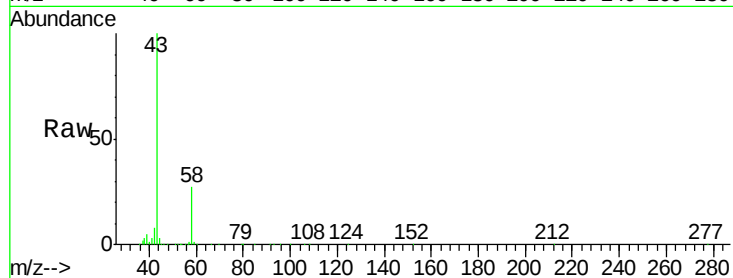
#15
Acetone
Concen: 7.505 ppbv
RT: 3.81 min Scan# 318
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 1365694
Ion Ratio Lower Upper
43 100
58 27.3 21.8 32.6

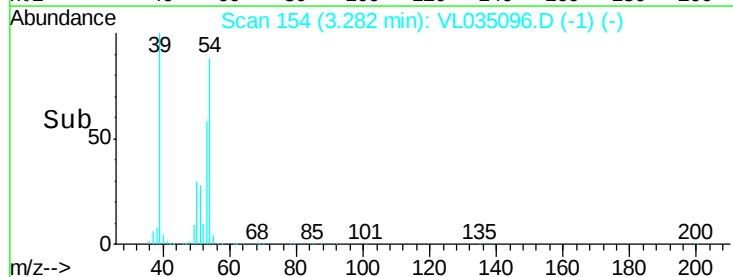
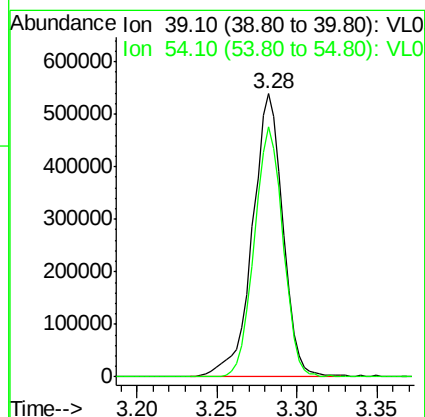
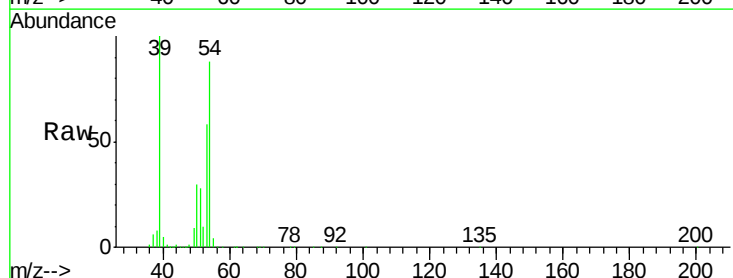
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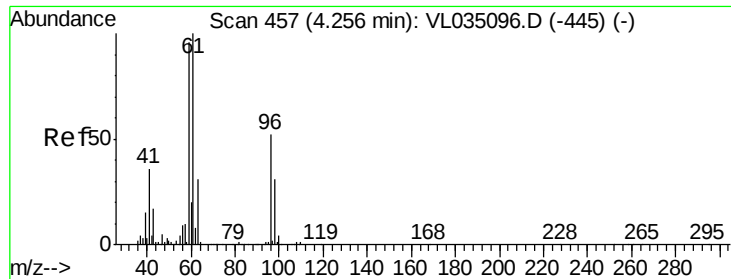
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#16
1,3-Butadiene
Concen: 8.913 ppbv
RT: 3.28 min Scan# 154
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 39 Resp: 699025
Ion Ratio Lower Upper
39 100
54 83.7 67.0 100.4





#17

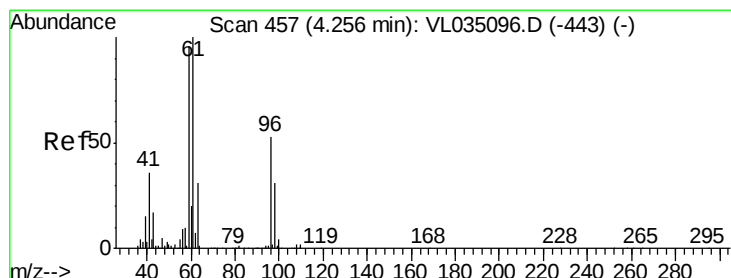
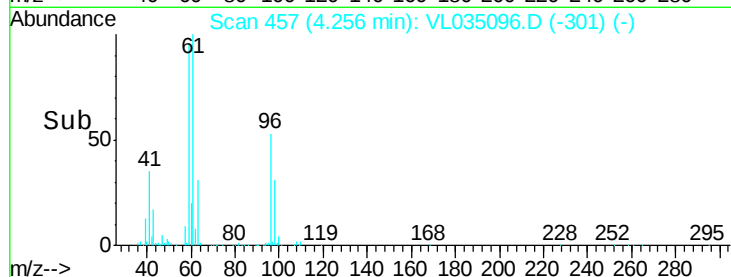
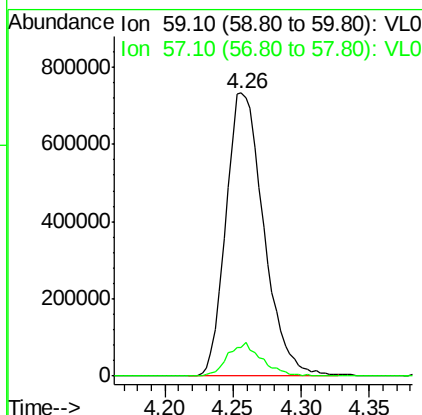
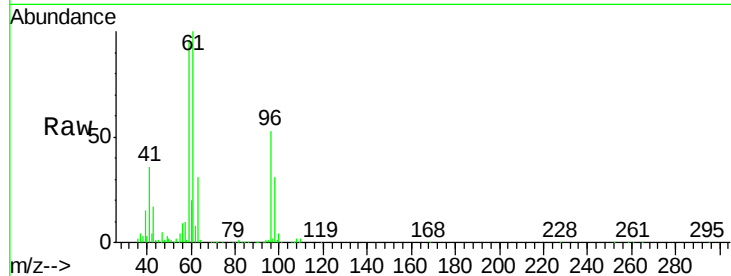
tert-Butyl alcohol
Concen: 8.750 ppbv
RT: 4.26 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 59 Resp: 1412605
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

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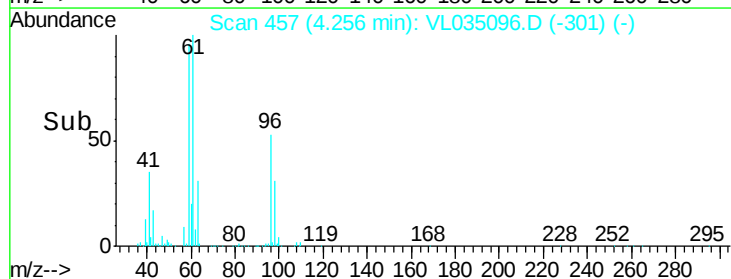
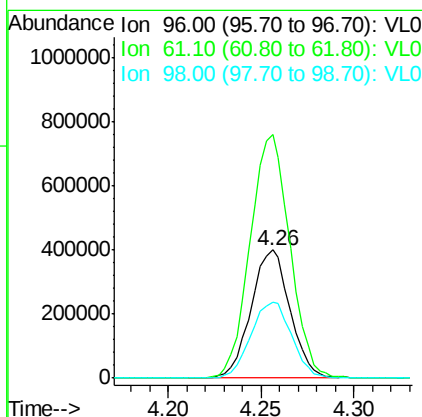
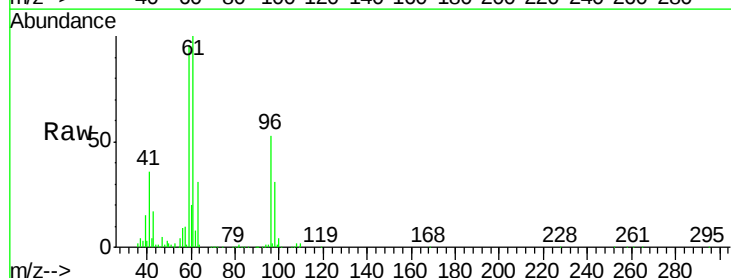
MMDadoda
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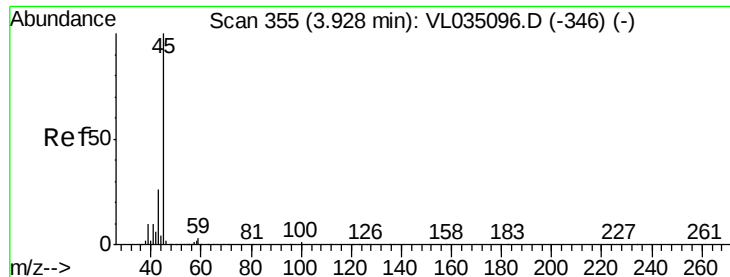


#18

1,1-Dichloroethene
Concen: 9.342 ppbv
RT: 4.26 min Scan# 457
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 96 Resp: 581694
Ion Ratio Lower Upper
96 100
61 190.3 152.2 228.4
98 59.6 47.7 71.5





#19

Isopropyl Alcohol

Concen: 8.178 ppbv

RT: 3.93 min Scan# 355

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 45 Resp: 980521

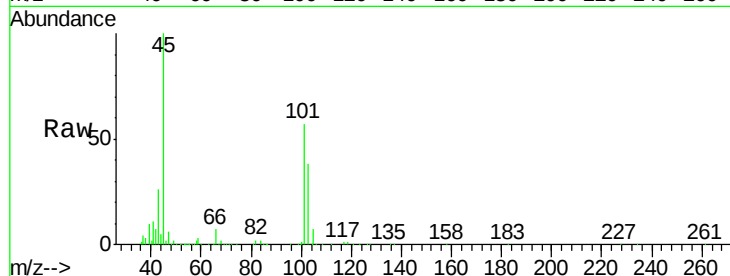
Ion Ratio Lower Upper

45 100

58 2.3 1.8 2.8

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

600000

500000

400000

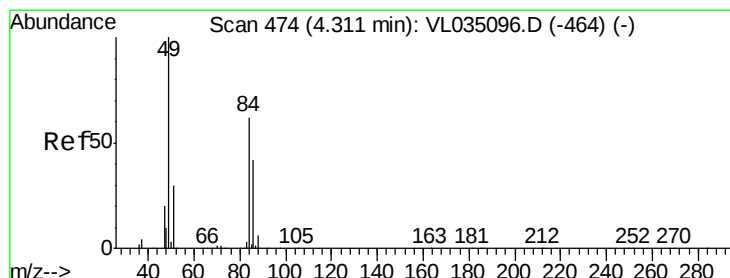
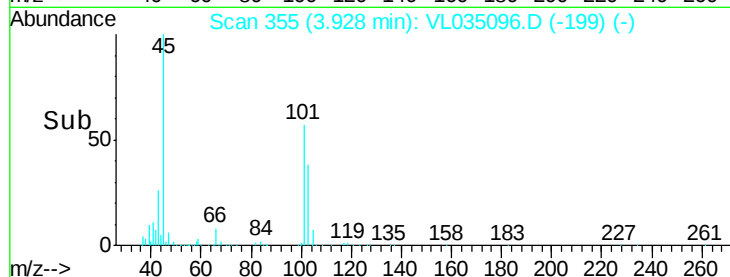
300000

200000

100000

0

Time--> 3.85 3.90 3.95 4.00



#20

Methylene Chloride

Concen: 8.398 ppbv

RT: 4.31 min Scan# 474

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Tgt Ion: 84 Resp: 505560

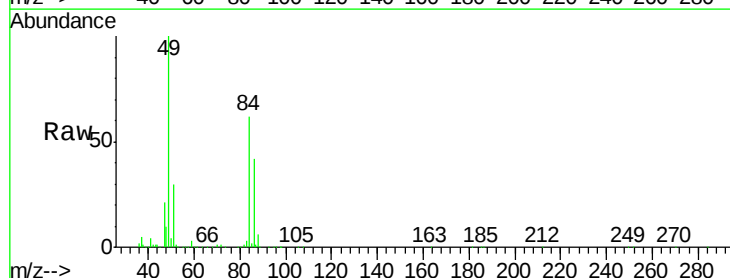
Ion Ratio Lower Upper

84 100

49 161.0 128.8 193.2

51 48.4 38.7 58.1

86 67.6 54.1 81.1



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

800000

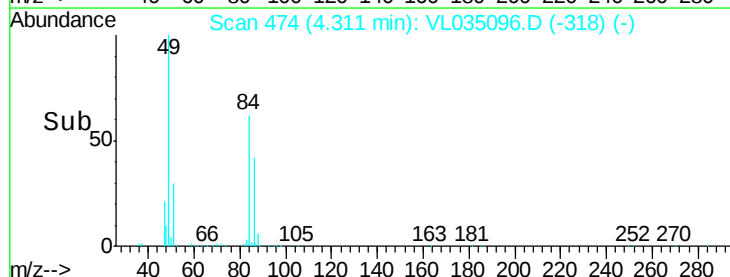
600000

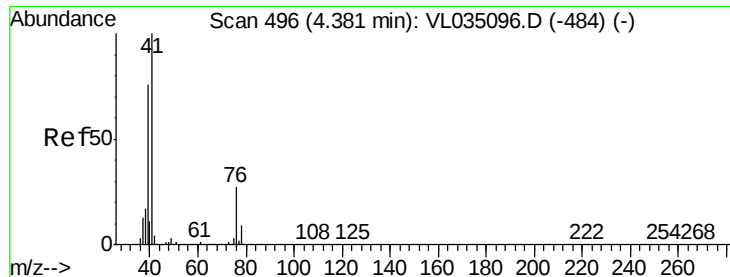
400000

200000

0

Time--> 4.25 4.30 4.35





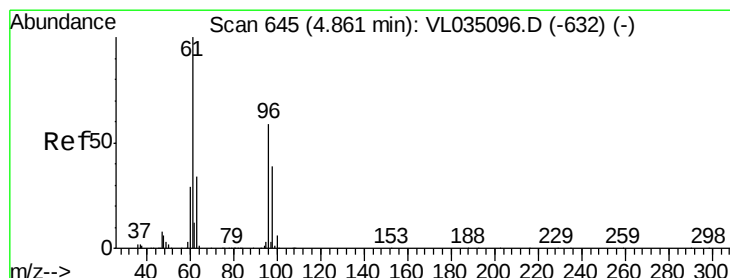
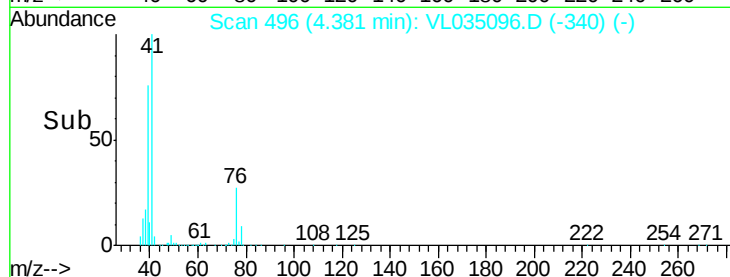
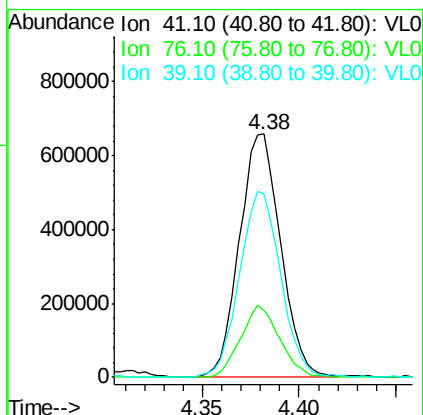
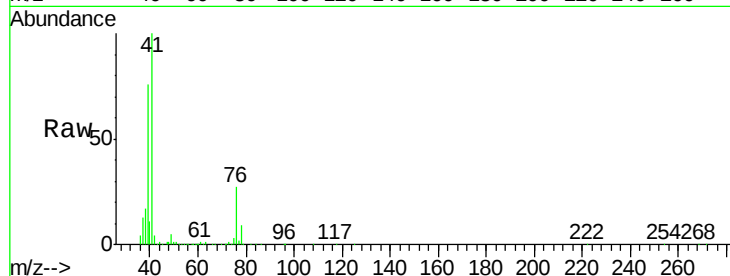
#21
Allvl Chloride
Concen: 9.475 ppbv
RT: 4.38 min Scan# 496
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
41	100		
76	28.3	22.6	34.0
39	76.8	61.6	92.4

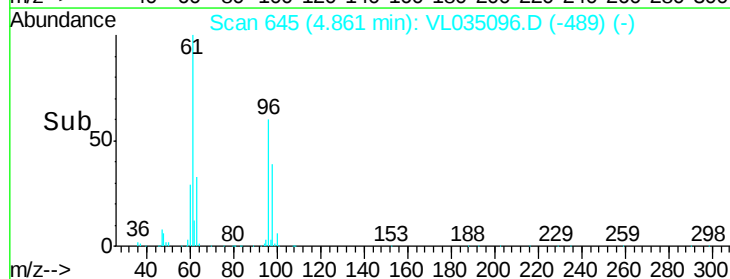
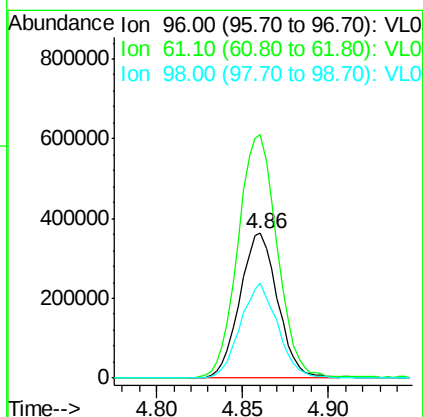
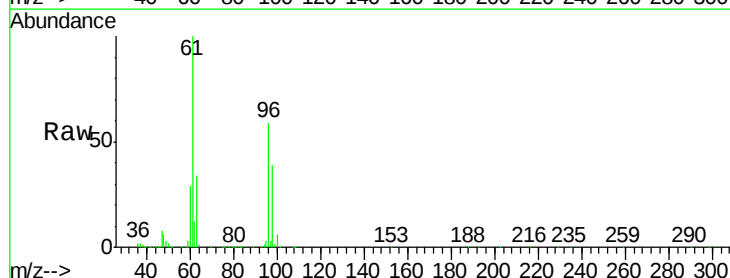
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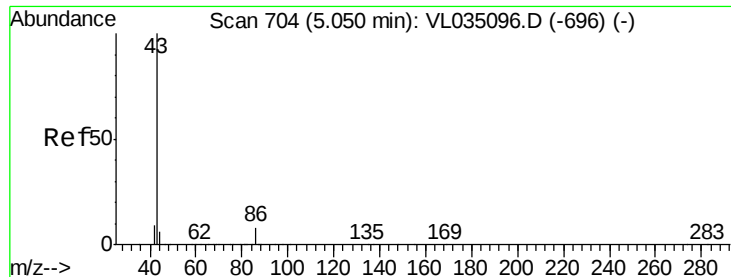
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#22
trans-1,2-Dichloroethene
Concen: 9.092 ppbv
RT: 4.86 min Scan# 645
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion	Ratio	Lower	Upper
96	100		
61	168.1	134.5	201.7
98	65.8	52.6	79.0





#23

Vinyl Acetate

Concen: 8.834 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 43 Resp: 2016821

Ion Ratio Lower Upper

43 100

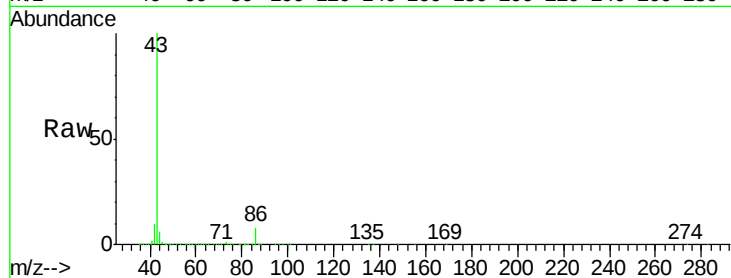
86 7.7 6.2 9.2

42 10.1 8.1 12.1

44 5.8 4.6 7.0

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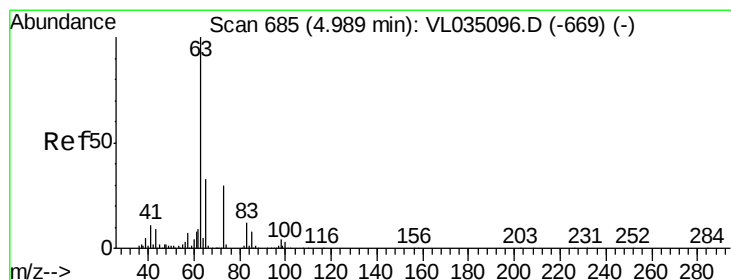
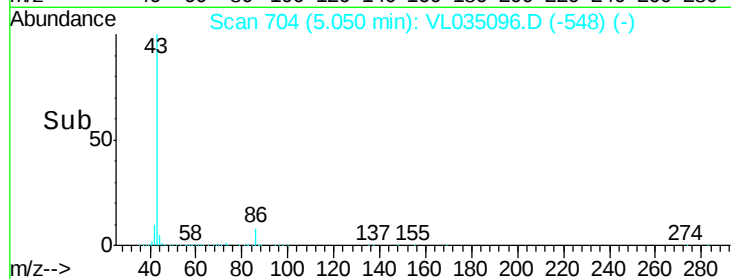
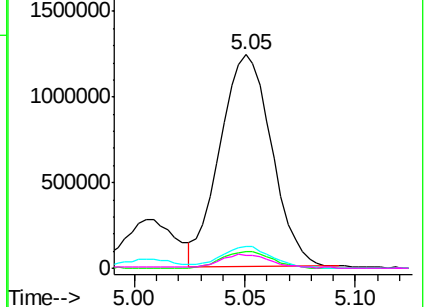


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#24

1,1-Dichloroethane

Concen: 8.767 ppbv

RT: 4.99 min Scan# 685

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

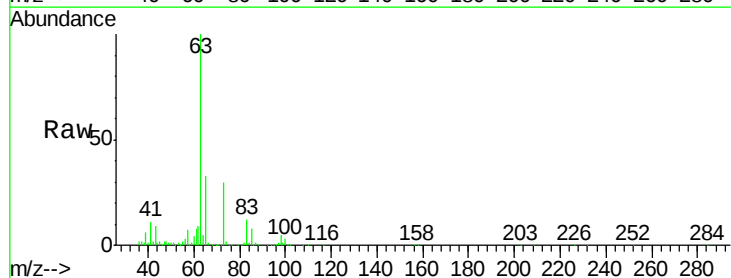
Tgt Ion: 63 Resp: 1559853

Ion Ratio Lower Upper

63 100

98 4.6 2.3 6.9

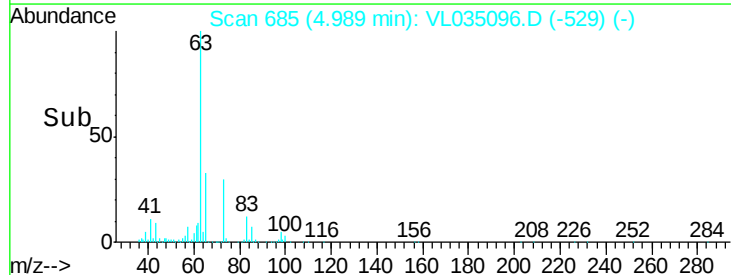
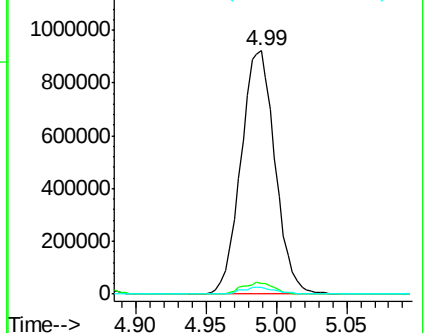
100 2.7 1.4 4.0

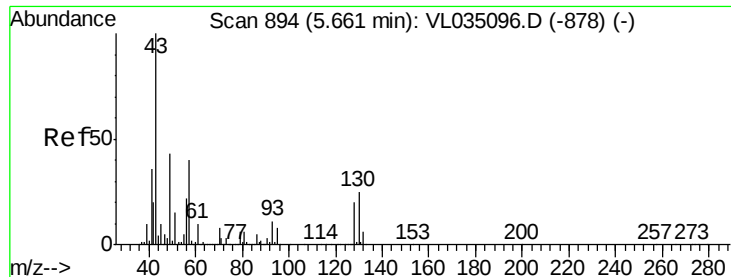


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





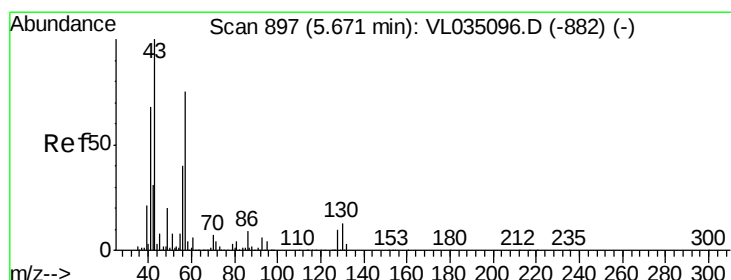
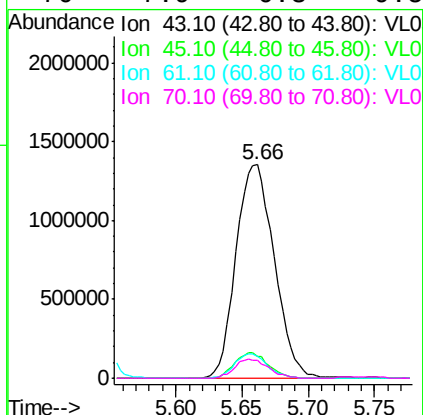
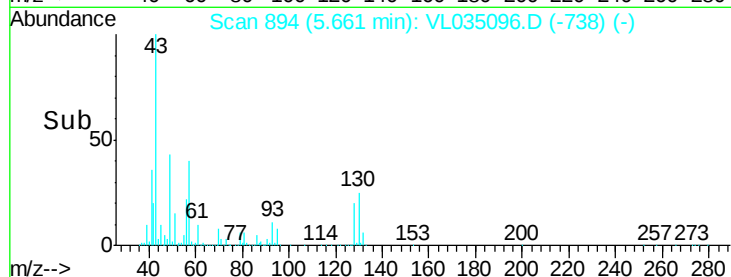
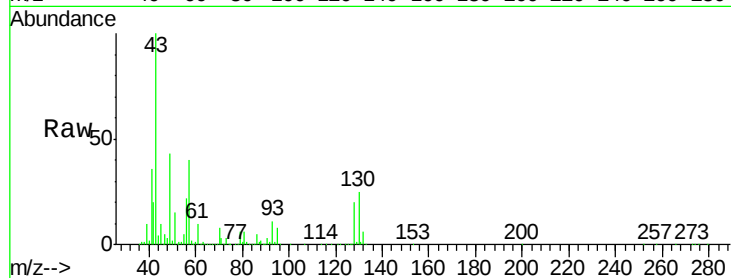
#25
Ethyl Acetate
Concen: 8.891 ppbv
RT: 5.66 min Scan# 894
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:	43	Resp:	2716380
Ion	Ratio	Lower	Upper
43	100		
45	10.5	8.4	12.6
61	10.0	8.0	12.0
70	7.9	6.3	9.5

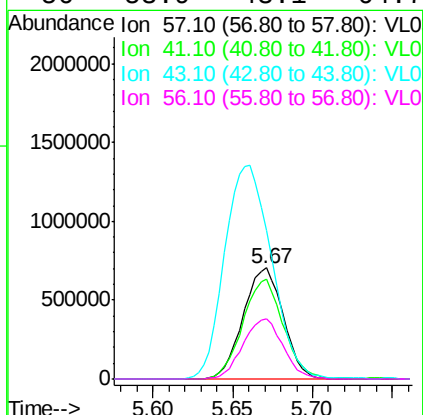
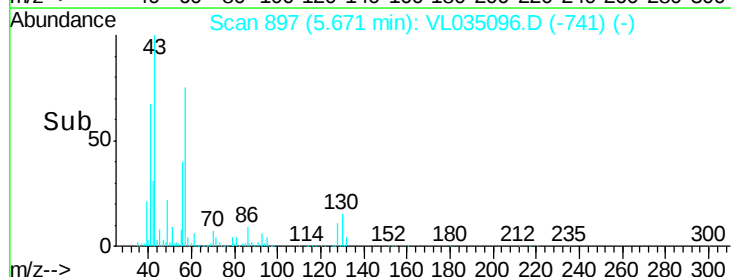
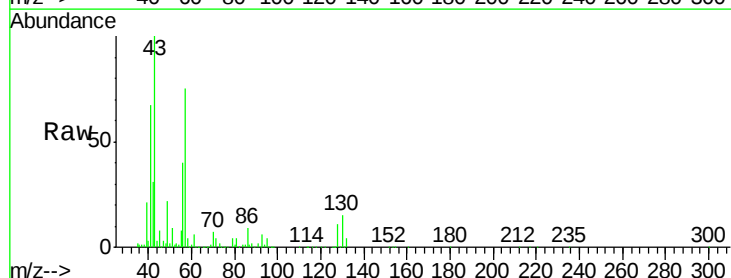
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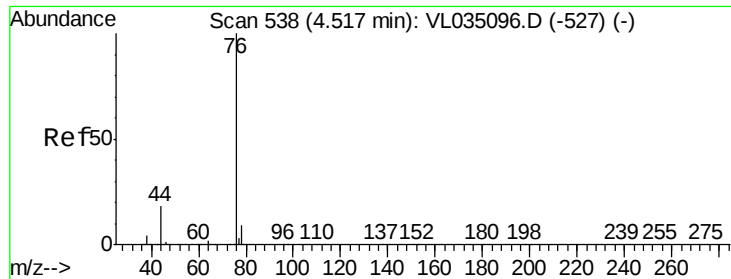
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#26
Hexane
Concen: 9.072 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion:	57	Resp:	1202583
Ion	Ratio	Lower	Upper
57	100		
41	91.1	72.9	109.3
43	226.6	181.3	271.9
56	53.9	43.1	64.7





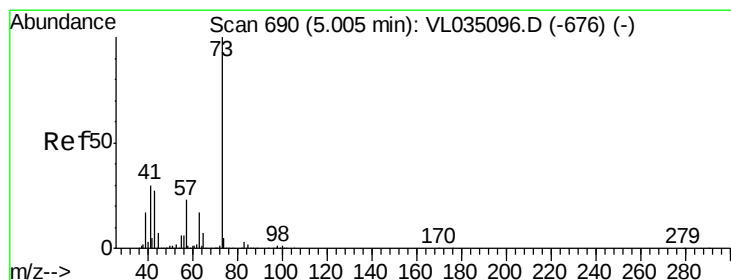
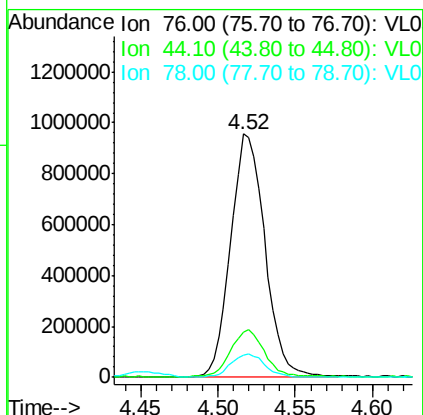
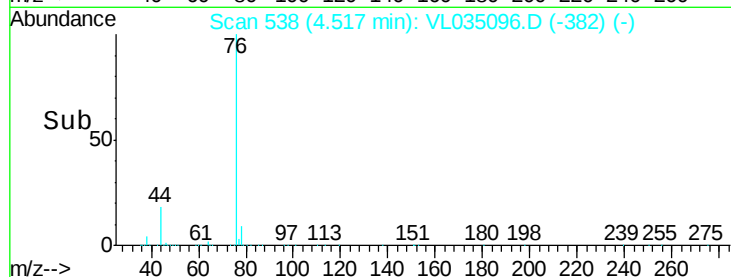
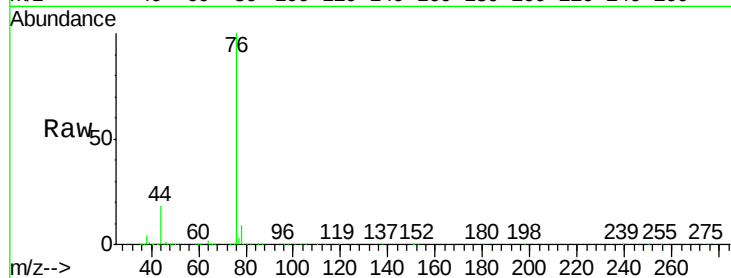
#27
Carbon Disulfide
Concen: 9.500 ppbv
RT: 4.52 min Scan# 538
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 76 Resp: 1468659
Ion Ratio Lower Upper
76 100
44 18.9 15.8 23.8
78 9.5 7.6 11.4

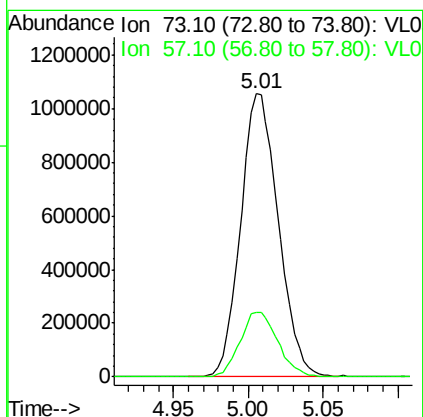
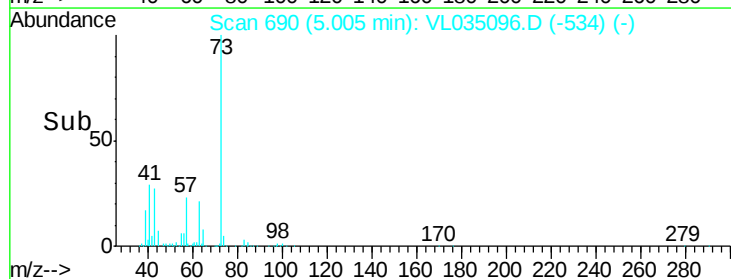
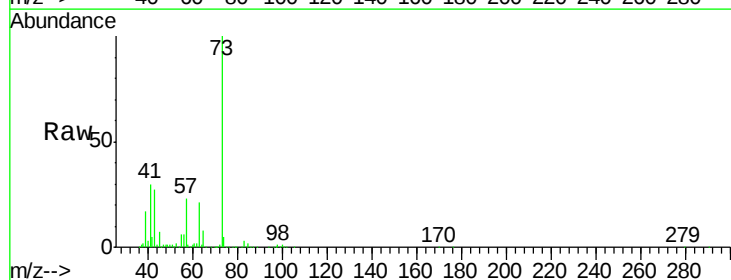
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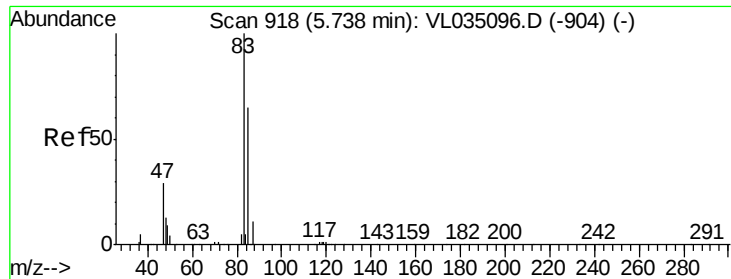
MMDadoda
6/22/2020 2:08:51 PM



#28
Methyl tert-Butyl Ether
Concen: 9.181 ppbv
RT: 5.01 min Scan# 690
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 73 Resp: 1848298
Ion Ratio Lower Upper
73 100
57 23.1 18.5 27.7





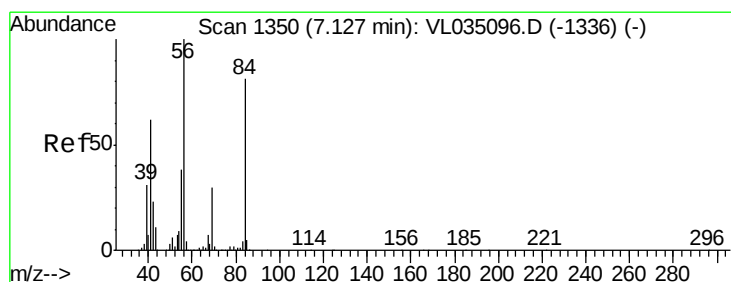
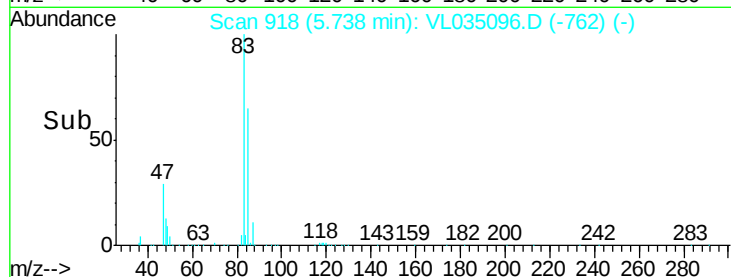
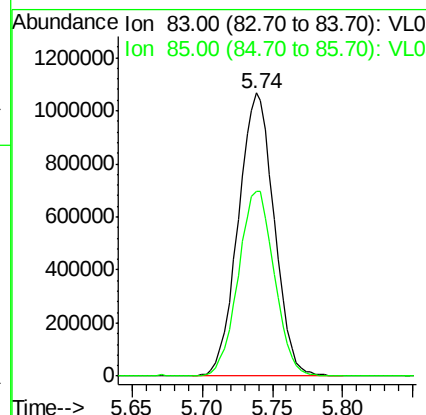
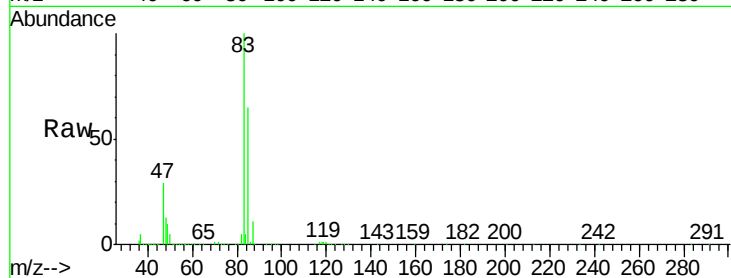
#29
Chloroform
Concen: 8.727 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 83 Resp: 1898748
Ion Ratio Lower Upper
83 100
85 65.1 52.1 78.1

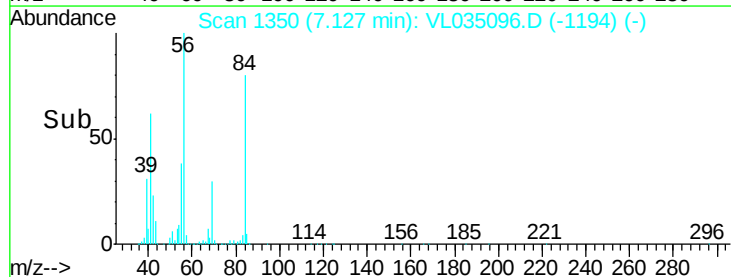
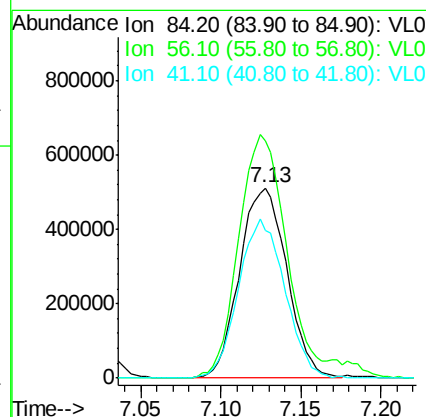
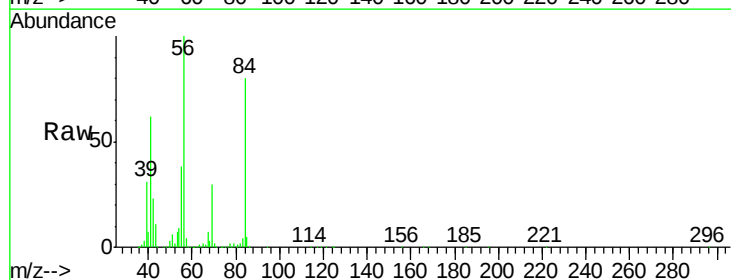
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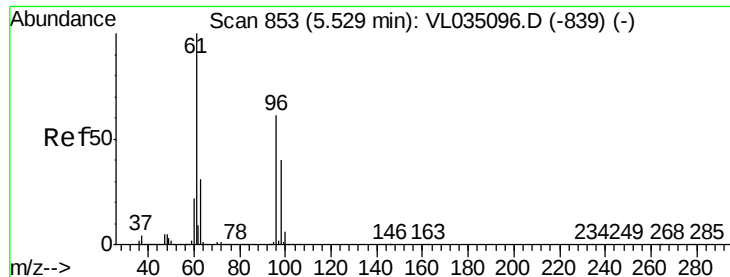
MMDadoda
6/22/2020 2:08:51 PM



#30
Cyclohexane
Concen: 10.036 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 84 Resp: 1031989
Ion Ratio Lower Upper
84 100
56 135.0 108.0 162.0
41 82.1 65.6 98.4





#31

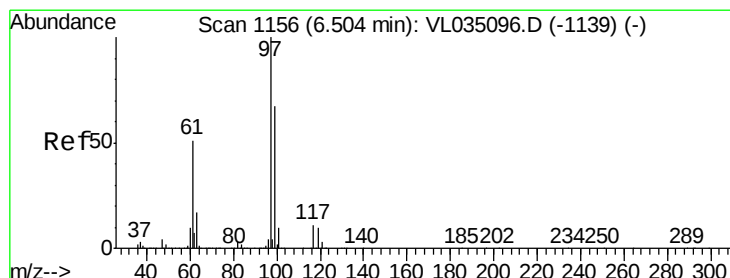
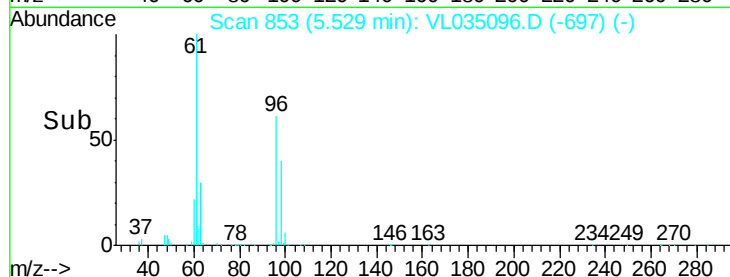
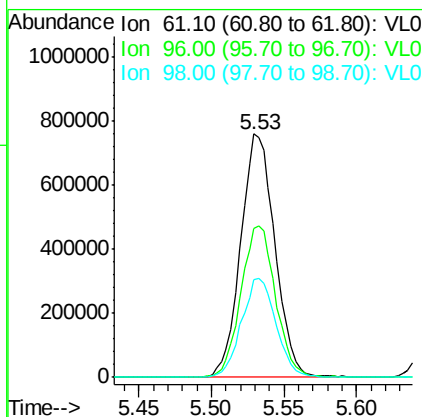
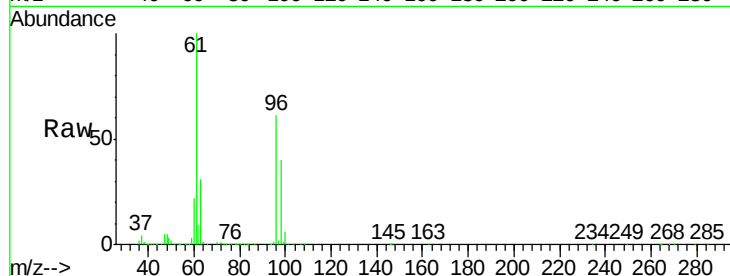
cis-1,2-Dichloroethene
 Concen: 9.577 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
61	100		
96	61.0	48.8	73.2
98	39.9	31.9	47.9

Manual Integrations
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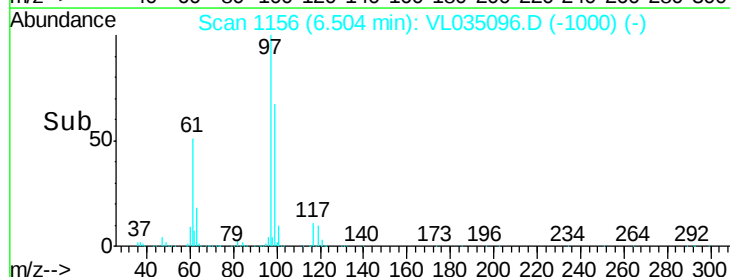
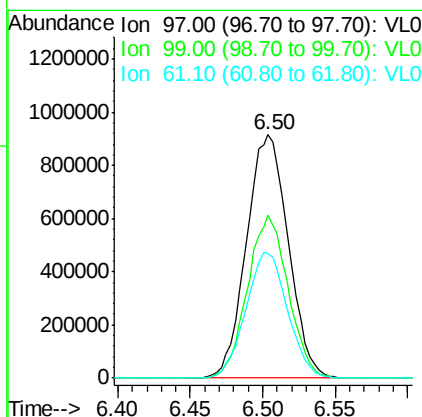
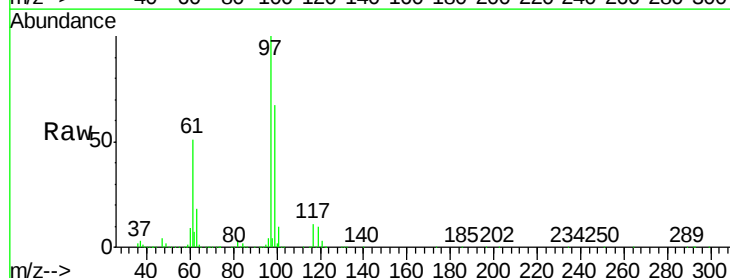
MMDadoda
 6/22/2020 2:08:51 PM

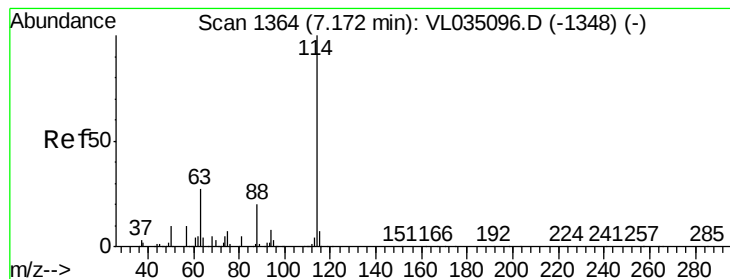


#32

1,1,1-Trichloroethane
 Concen: 9.352 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.0	52.0	78.0
61	51.3	41.0	61.6





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:114 Resp: 3250876

Ion Ratio Lower Upper

114 100

63 27.5 21.9 32.9

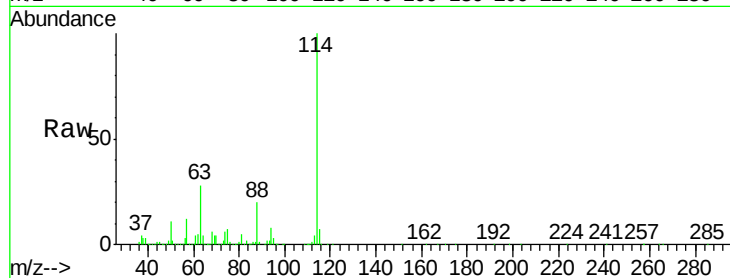
88 19.4 15.6 23.4

Manual Integrations

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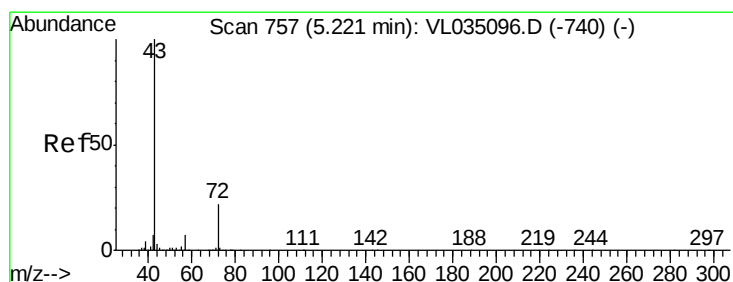
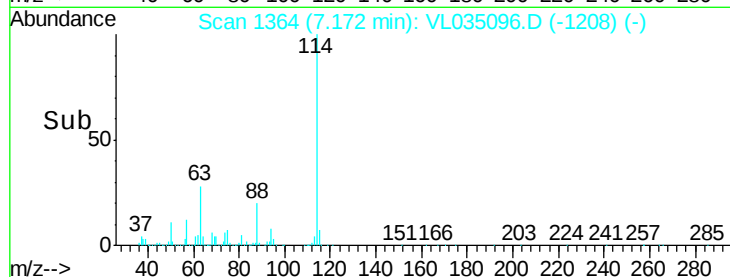
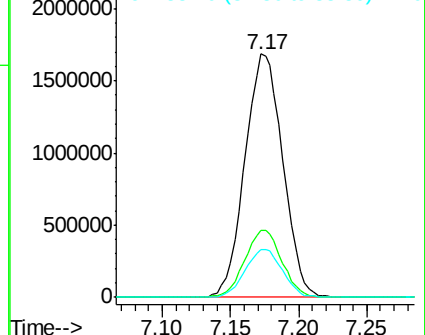
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 8.707 ppbv

RT: 5.22 min Scan# 757

Delta R.T. 0.00 min

Lab File: VL035096.D

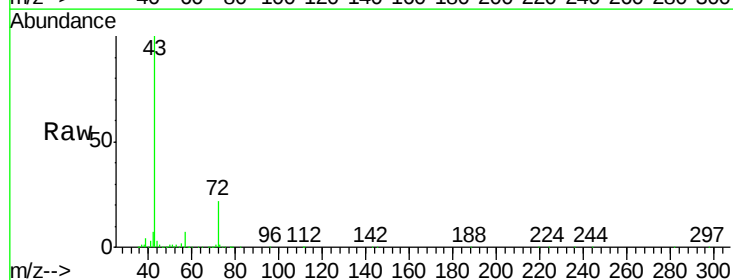
Acq: 19 Jun 2020 15:52

Tgt Ion: 43 Resp: 1747254

Ion Ratio Lower Upper

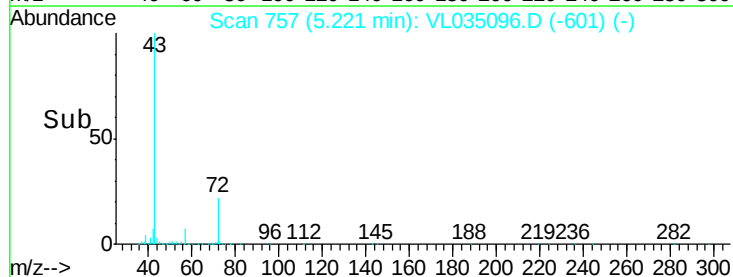
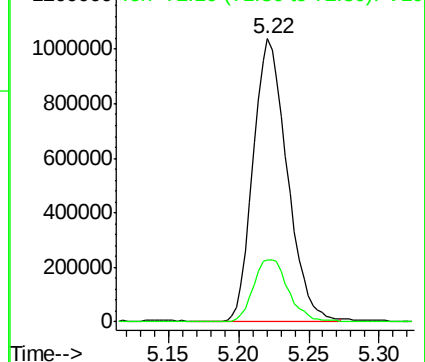
43 100

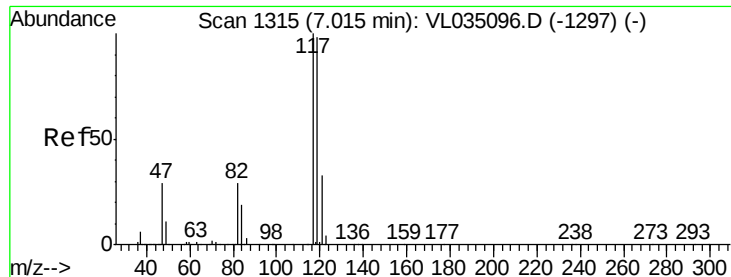
72 22.8 18.3 27.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





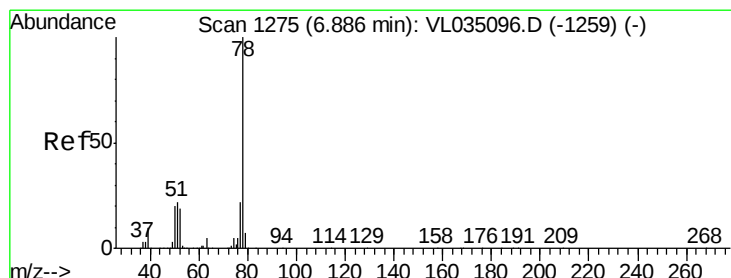
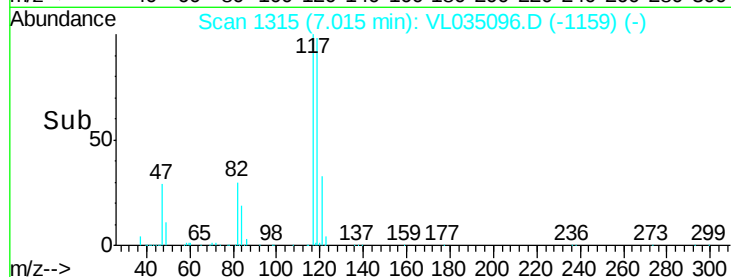
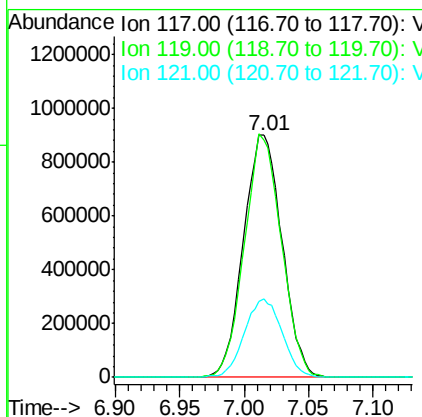
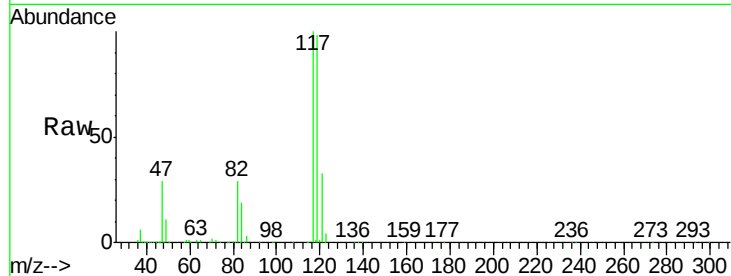
#35
Carbon Tetrachloride
Concen: 9.150 ppbv
RT: 7.01 min Scan# 1315
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
117	100		
119	97.9	78.3	117.5
121	32.5	26.0	39.0

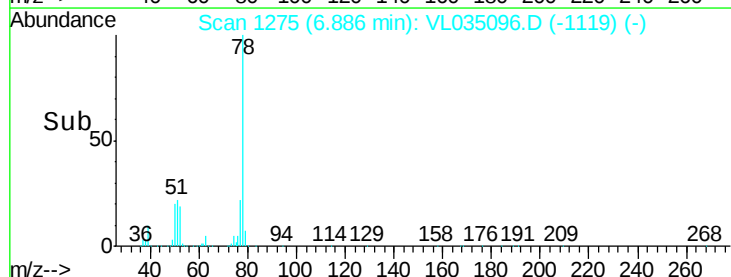
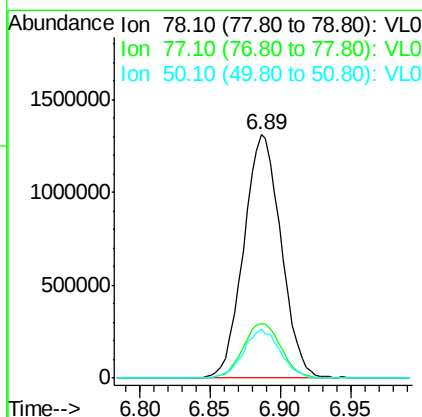
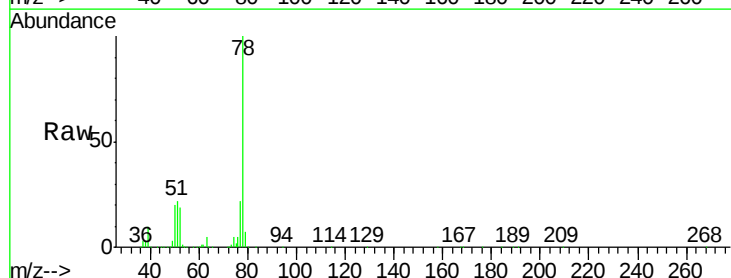
Manual Integrations
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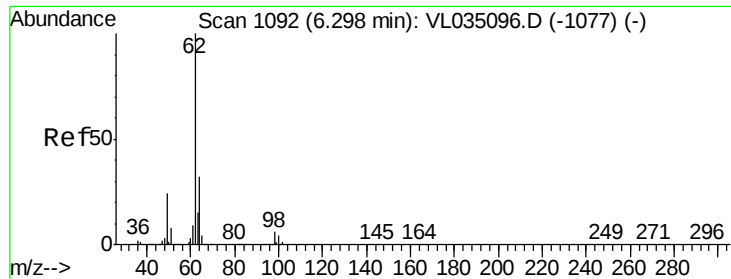
MMDadoda
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#36
Benzene
Concen: 9.097 ppbv
RT: 6.89 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.2	17.8	26.6
50	20.2	16.2	24.2





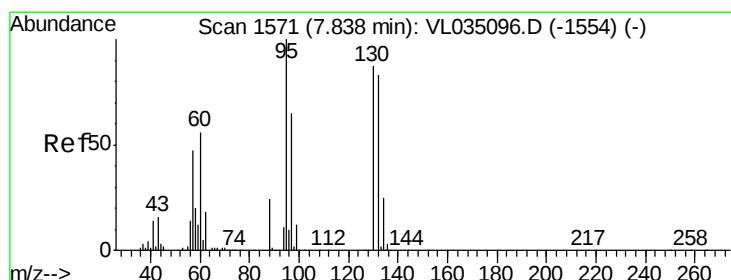
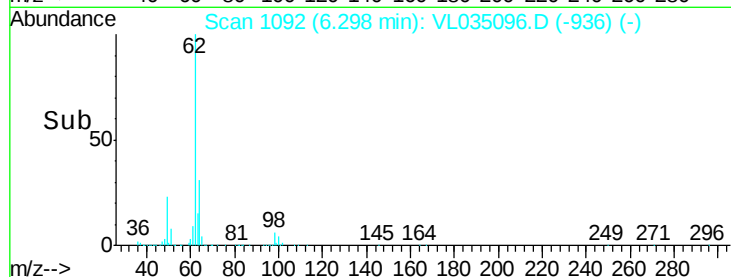
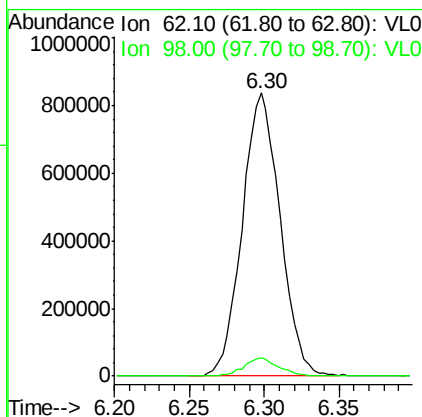
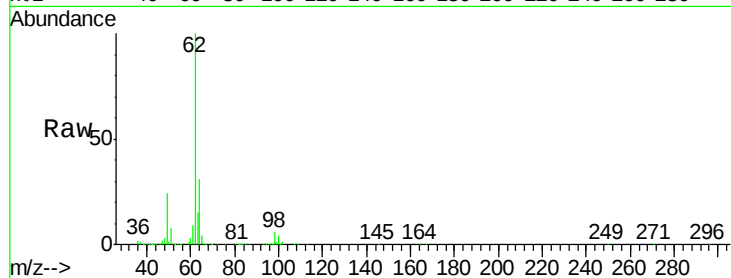
#37
 1,2-Dichloroethane
 Concen: 8.928 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 62 Resp: 1477423
 Ion Ratio Lower Upper
 62 100
 98 6.0 4.8 7.2

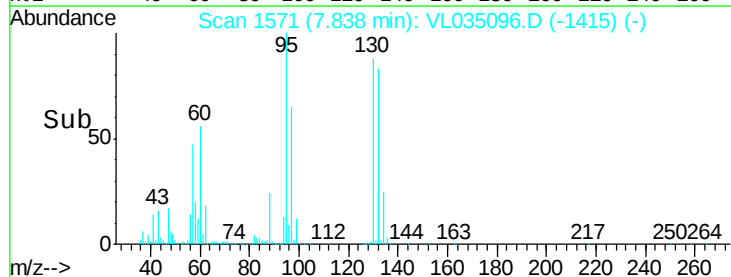
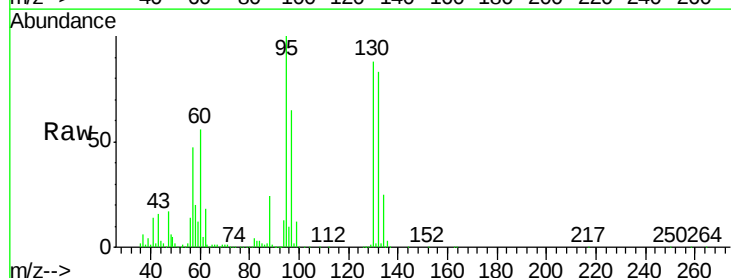
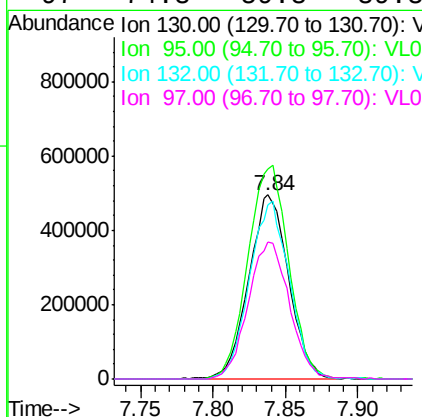
Manual Integrations
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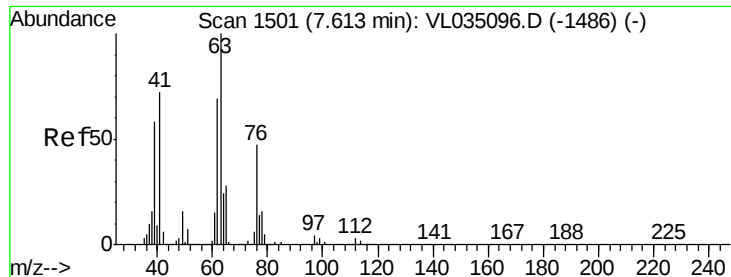
MMDadoda
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#38
 Trichloroethene
 Concen: 9.132 ppbv
 RT: 7.84 min Scan# 1571
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion: 130 Resp: 951029
 Ion Ratio Lower Upper
 130 100
 95 114.3 91.4 137.2
 132 94.7 75.8 113.6
 97 74.8 59.8 89.8





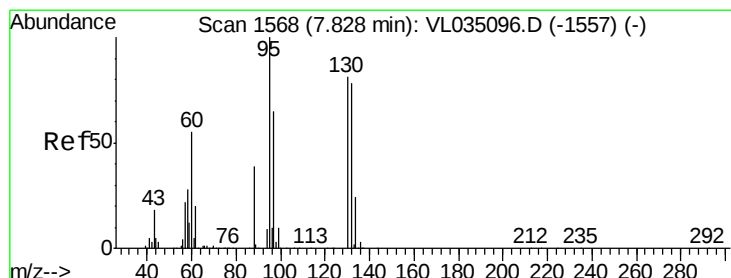
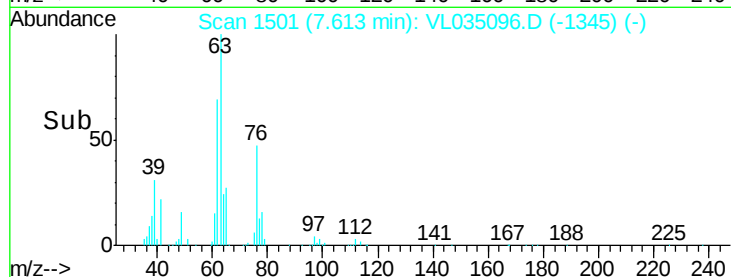
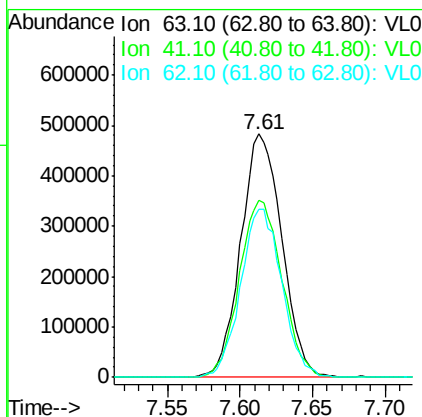
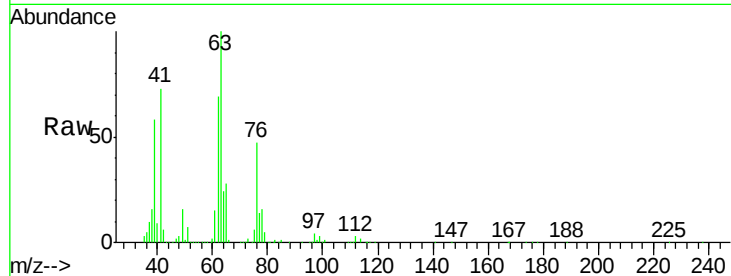
#39
 1,2-Dichloropropane
 Concen: 8.896 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
63	100		
41	72.5	58.0	87.0
62	69.2	55.4	83.0

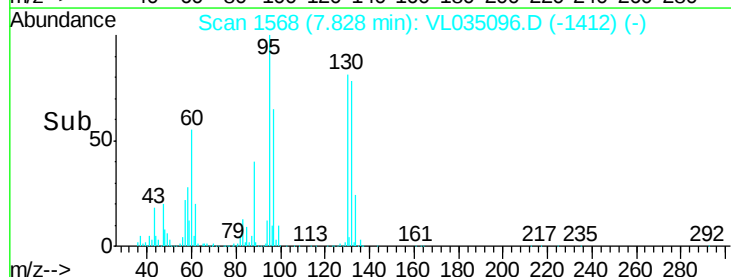
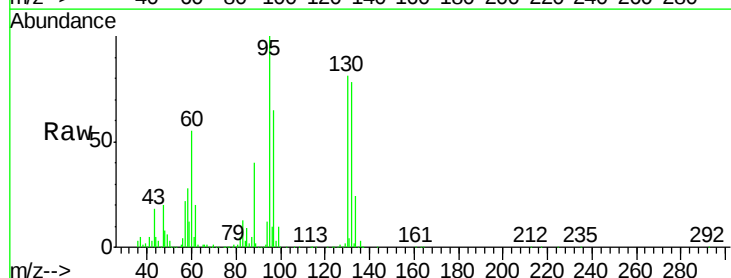
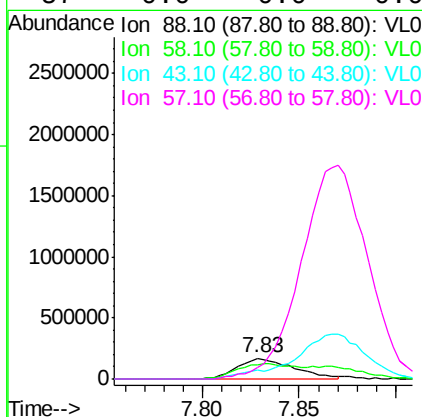
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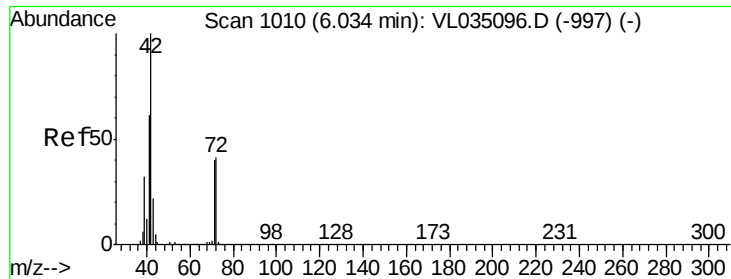
MMDadoda
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#40
 1,4-Dioxane
 Concen: 8.015 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion	Ratio	Lower	Upper
88	100		
58	137.1	110.2	165.4
43	0.0	0.0	0.0
57	0.0	0.0	0.0





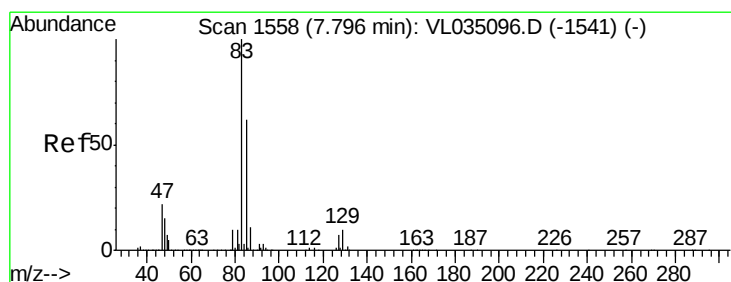
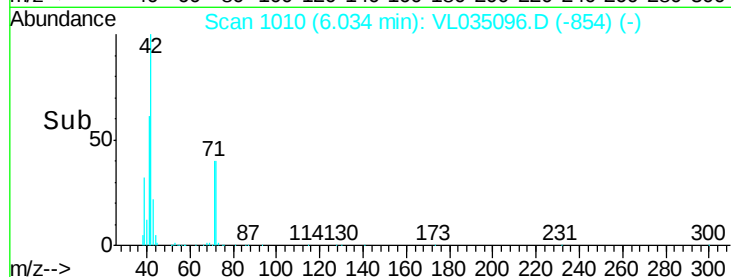
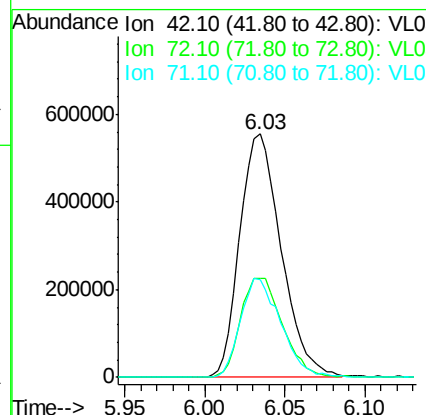
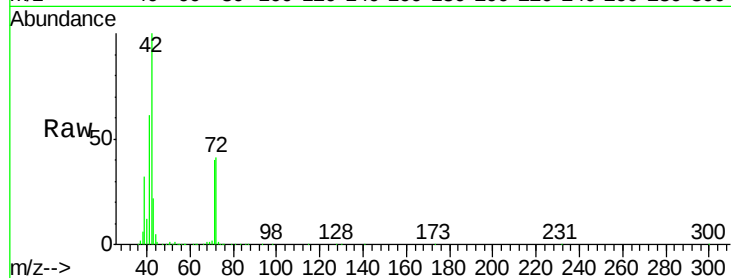
#41
Tetrahydrofuran
Concen: 9.290 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
42	100		
72	41.8	33.4	50.2
71	39.7	31.8	47.6

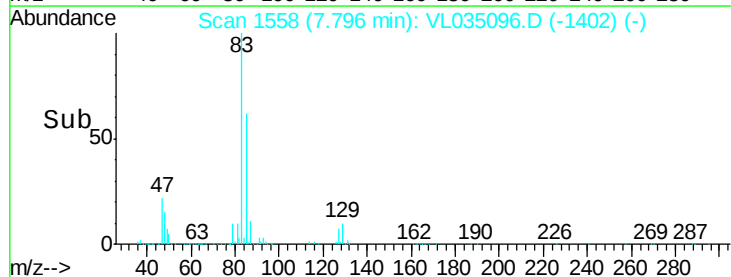
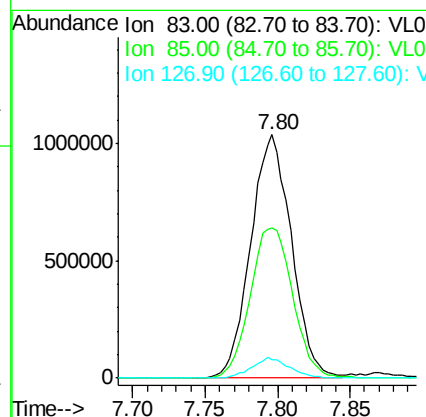
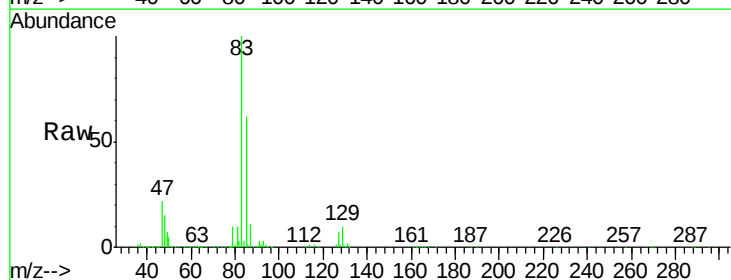
Manual Integrations
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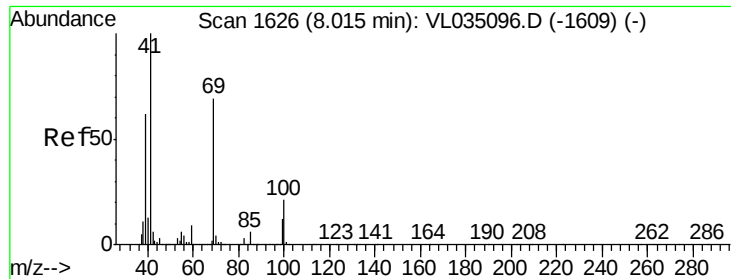
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#42
Bromodichloromethane
Concen: 9.109 ppbv
RT: 7.80 min Scan# 1558
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.7	49.4	74.0
127	7.4	5.9	8.9





#43

Methvl Methacrilate

Concen: 9.864 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

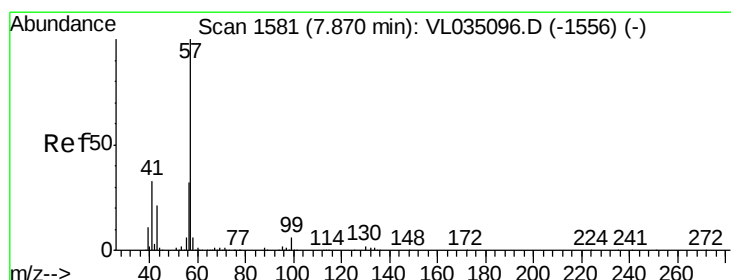
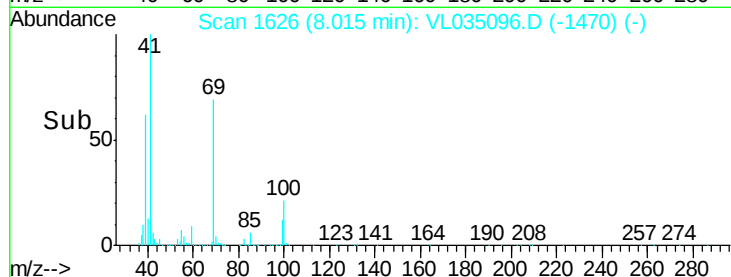
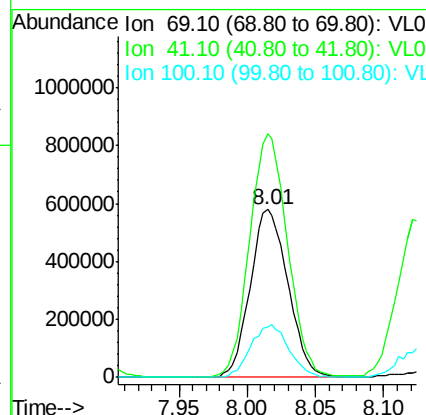
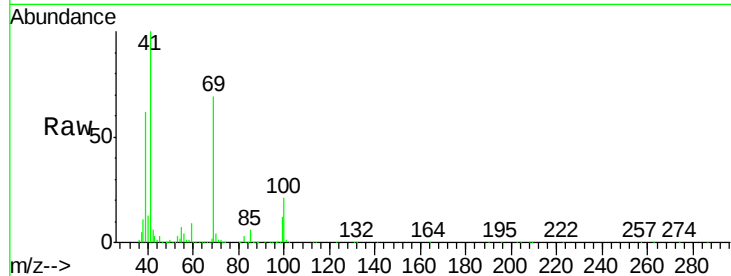
Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 69 Resp: 1113696

Ion	Ratio	Lower	Upper
69	100		
41	145.4	116.4	174.6
100	31.5	25.3	37.9

Manual Integrations
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#44

2,2,4-Trimethylpentane

Concen: 8.796 ppbv

RT: 7.87 min Scan# 1581

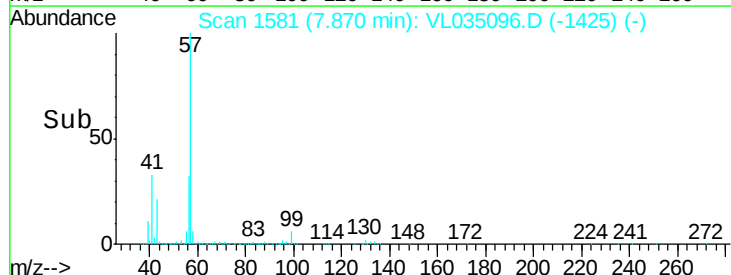
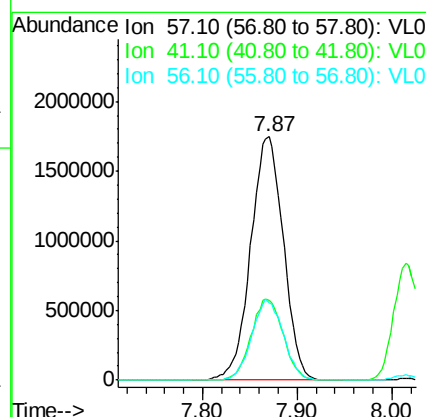
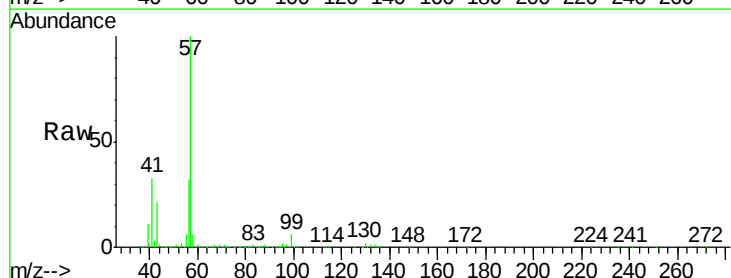
Delta R.T. 0.00 min

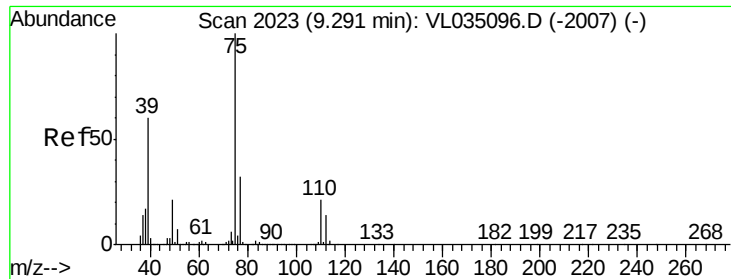
Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Tgt Ion: 57 Resp: 4180674

Ion	Ratio	Lower	Upper
57	100		
41	32.6	26.2	39.2
56	31.8	25.4	38.2





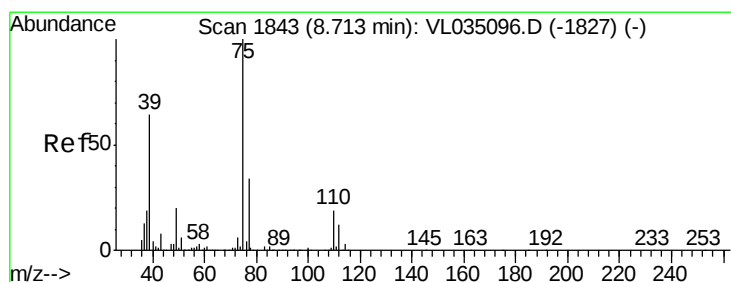
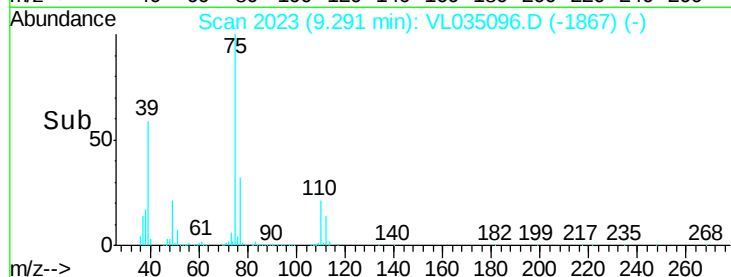
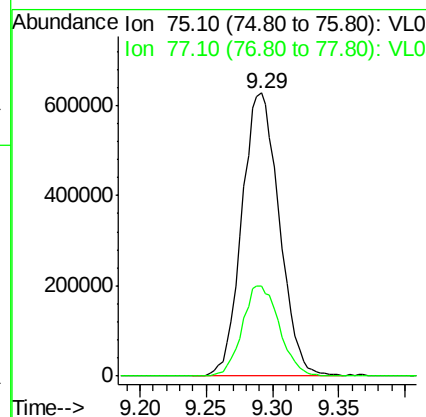
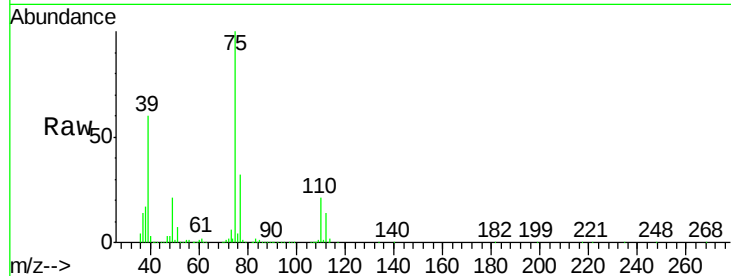
#45
t-1,3-Dichloropropene
Concen: 10.870 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 75 Resp: 1232055
Ion Ratio Lower Upper
75 100
77 31.9 25.5 38.3

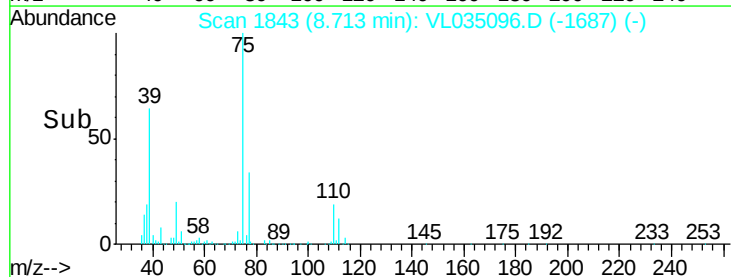
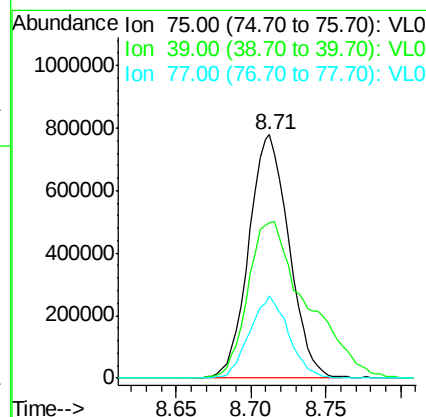
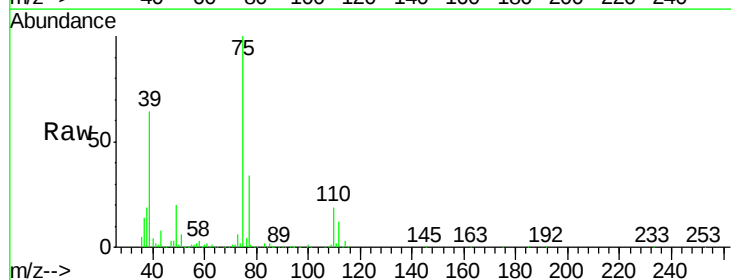
Manual Integrations
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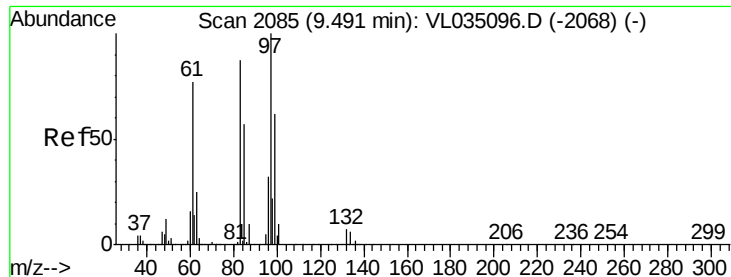
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 10.423 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 75 Resp: 1453228
Ion Ratio Lower Upper
75 100
39 63.9 51.1 76.7
77 33.6 26.9 40.3





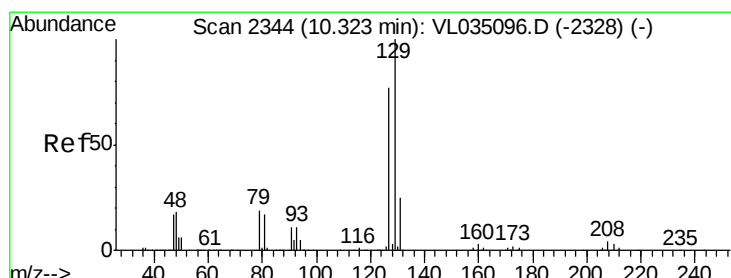
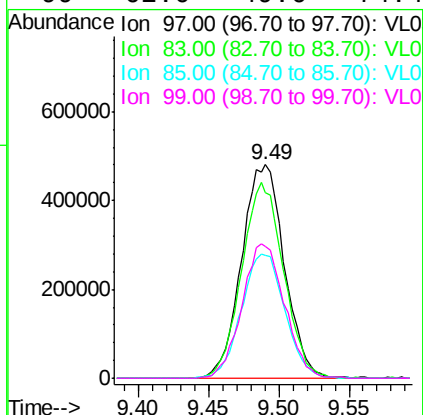
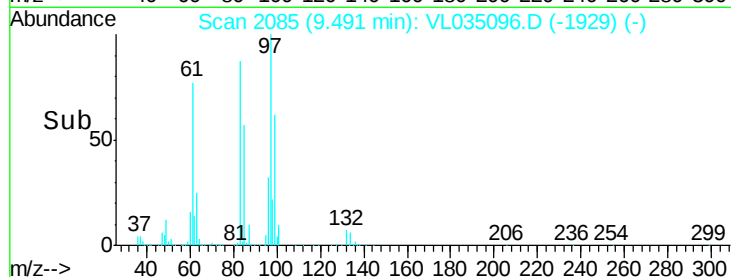
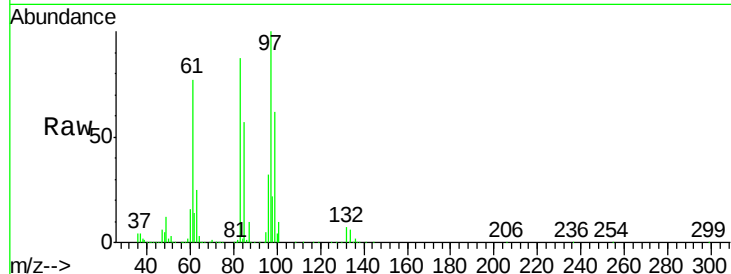
#47
 1,1,2-Trichloroethane
 Concen: 8.984 ppbv
 RT: 9.49 min Scan# 2085
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	97	Resp	1020111
Ion	Ratio	Lower	Upper
97	100		
83	86.9	69.5	104.3
85	57.5	46.0	69.0
99	62.0	49.6	74.4

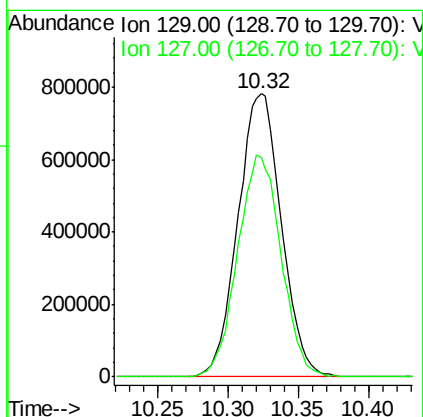
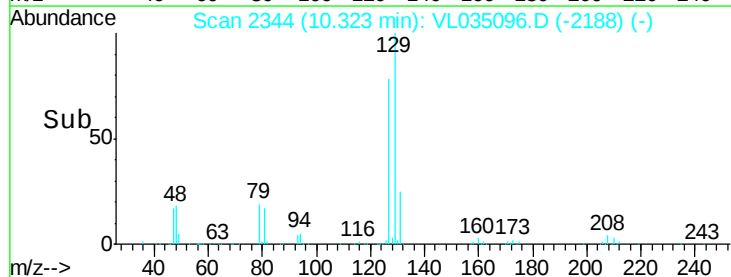
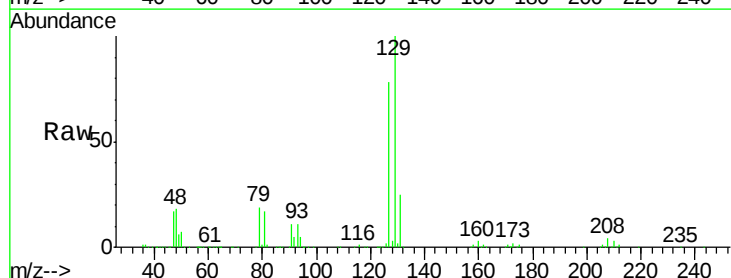
Manual Integrations
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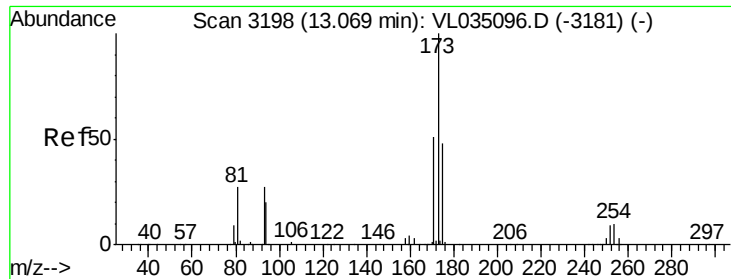
MMDadoda
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#48
 Dibromochloromethane
 Concen: 9.666 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion	129	Resp	1683902
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.3	117.8





#49

Bromoform

Concen: 9.821 ppbv

RT: 13.07 min Scan# 3198

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:173 Resp: 1467092

Ion Ratio Lower Upper

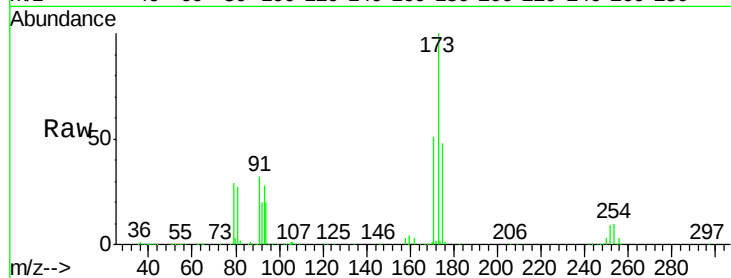
173 100

175 48.9 39.1 58.7

171 52.0 41.7 62.5

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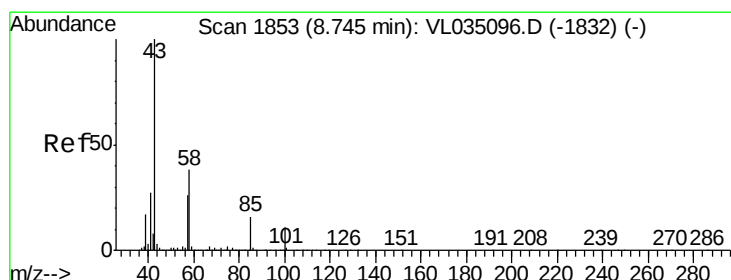
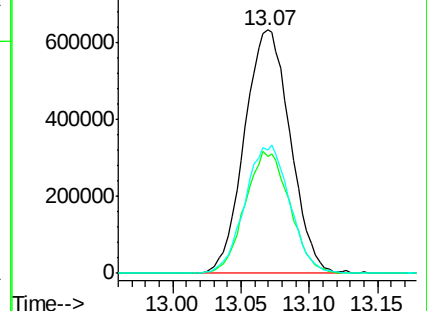
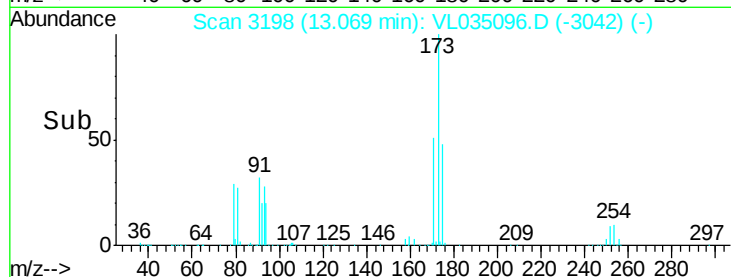
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 9.132 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.00 min

Lab File: VL035096.D

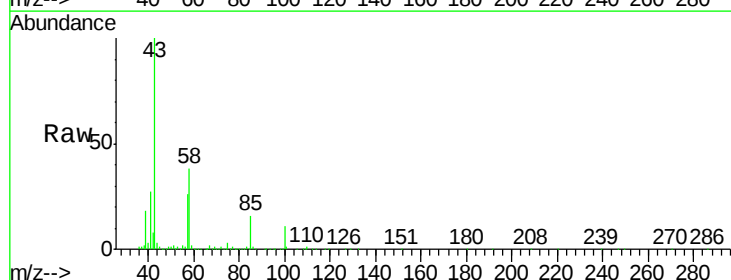
Acq: 19 Jun 2020 15:52

Tgt Ion: 43 Resp: 2612411

Ion Ratio Lower Upper

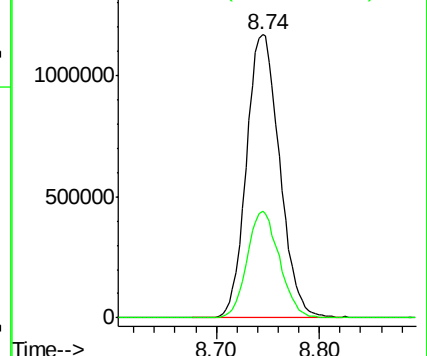
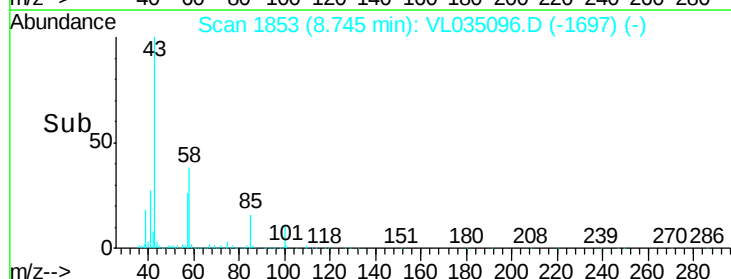
43 100

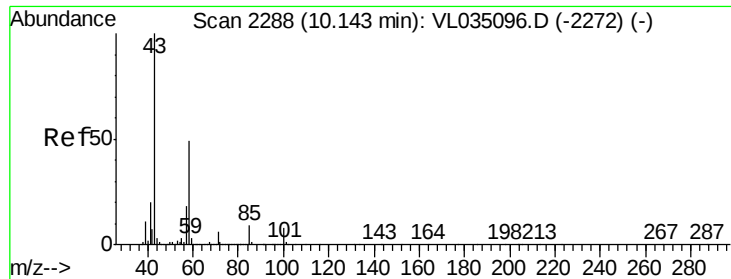
58 36.7 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





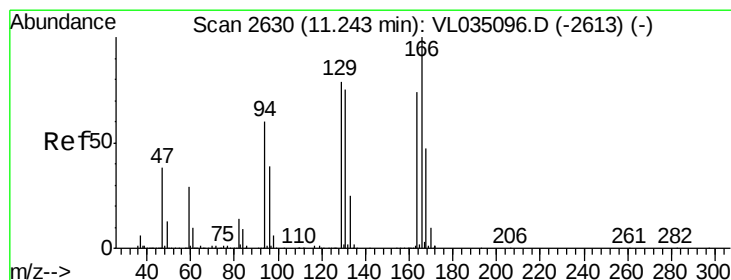
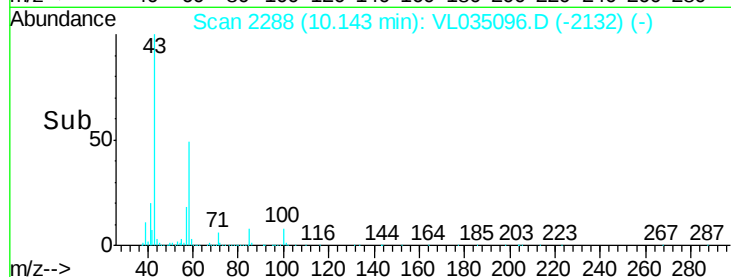
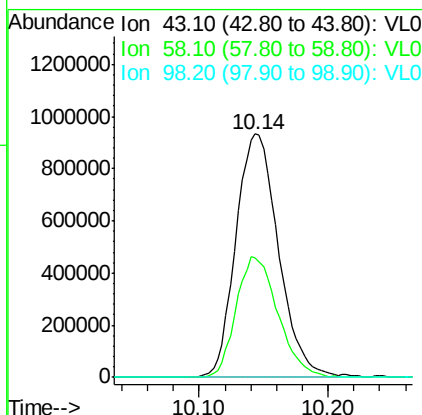
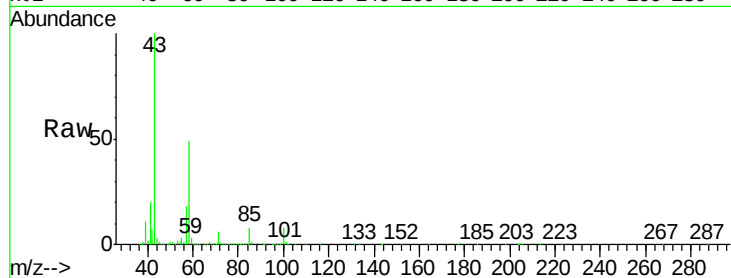
#51
2-Hexanone
Concen: 9.572 ppbv
RT: 10.14 min Scan# 2288
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 43 Resp: 2136669
Ion Ratio Lower Upper
43 100
58 49.1 39.2 58.8
98 0.2 0.3 0.5#

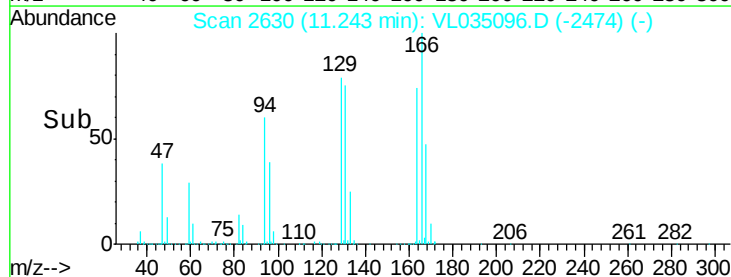
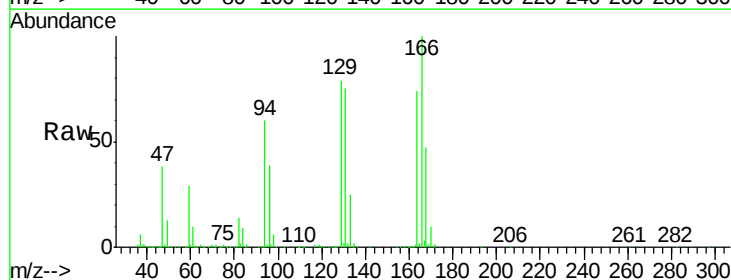
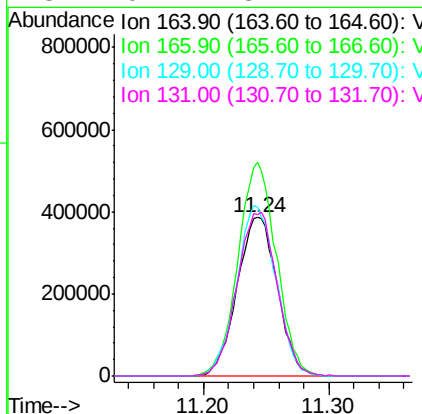
Manual Integrations
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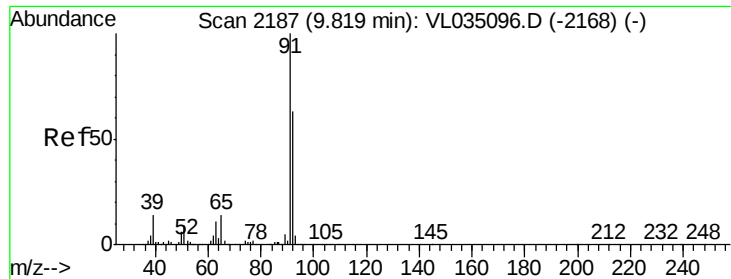
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#52
Tetrachloroethene
Concen: 9.016 ppbv
RT: 11.24 min Scan# 2630
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 164 Resp: 860749
Ion Ratio Lower Upper
164 100
166 134.4 107.5 161.3
129 106.1 84.9 127.3
131 101.4 81.1 121.7





#53

Toluene

Concen: 9.912 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 2813840

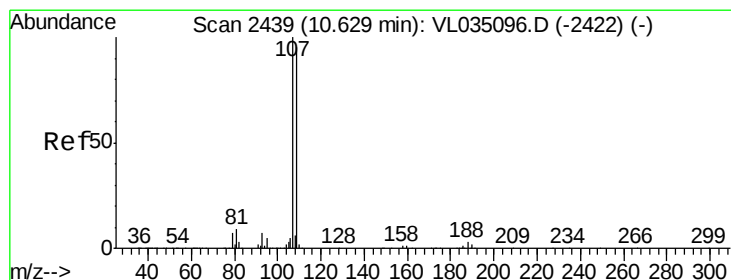
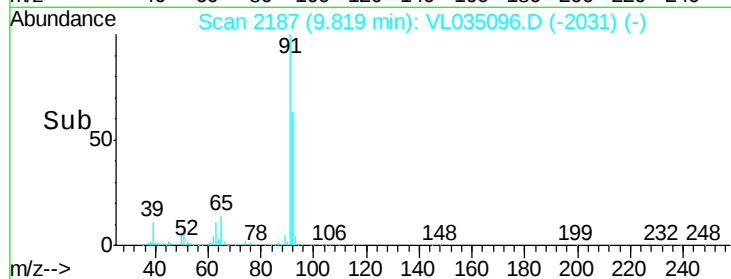
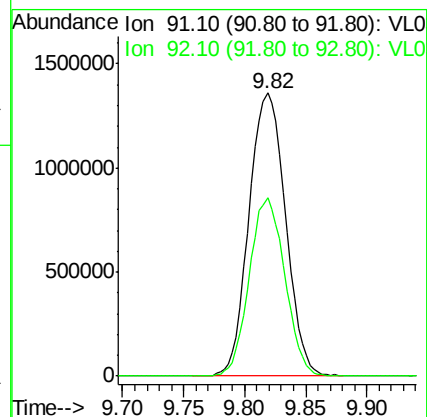
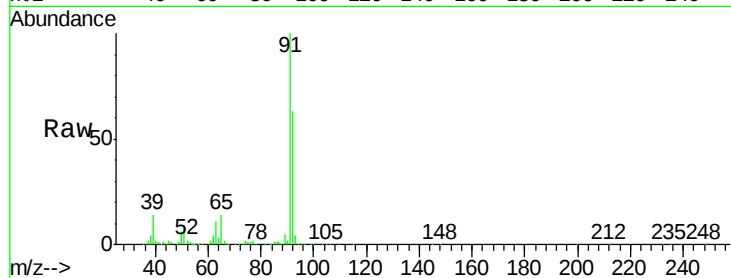
Ion Ratio Lower Upper

91 100

92 61.3 49.0 73.6

Manual Integrations
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#54

1,2-Dibromoethane

Concen: 9.231 ppbv

RT: 10.63 min Scan# 2439

Delta R.T. 0.00 min

Lab File: VL035096.D

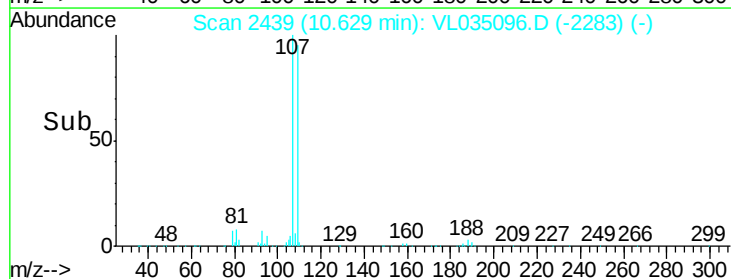
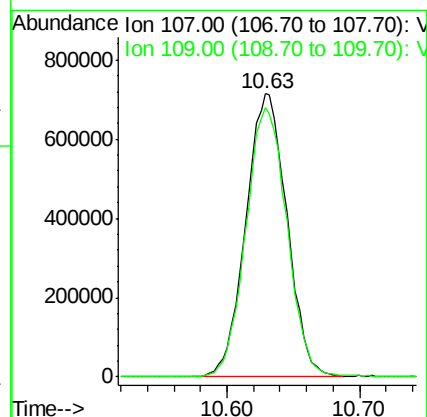
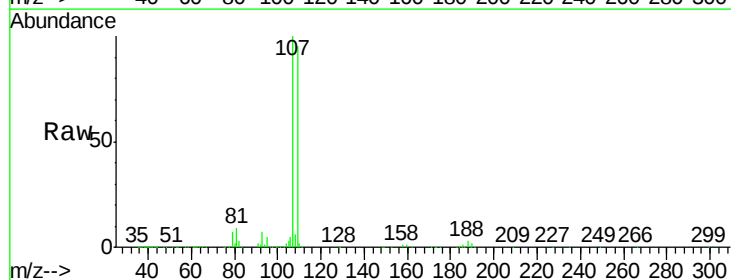
Acq: 19 Jun 2020 15:52

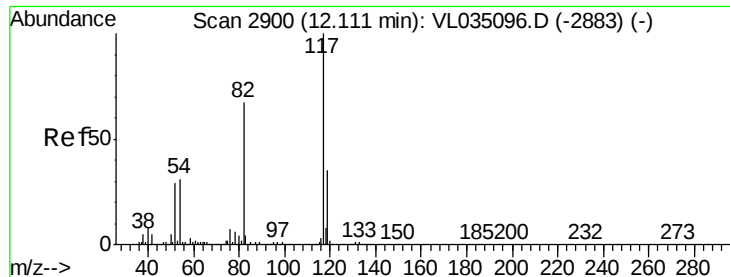
Tgt Ion: 107 Resp: 1536197

Ion Ratio Lower Upper

107 100

109 94.9 75.9 113.9





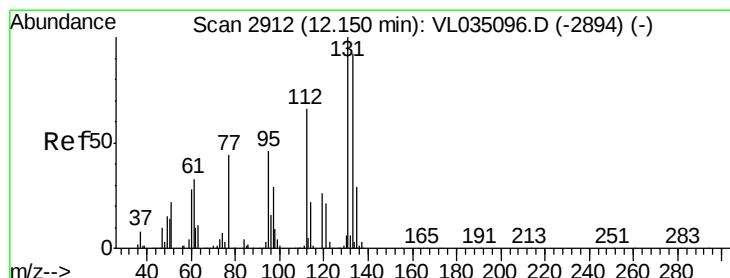
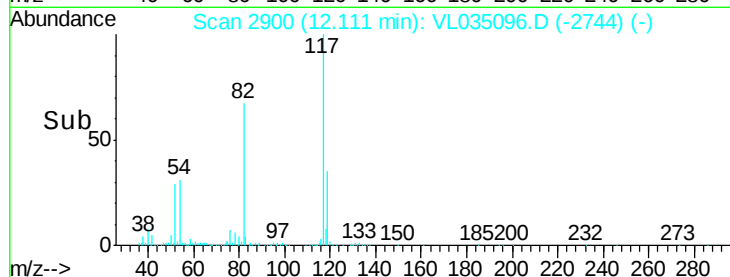
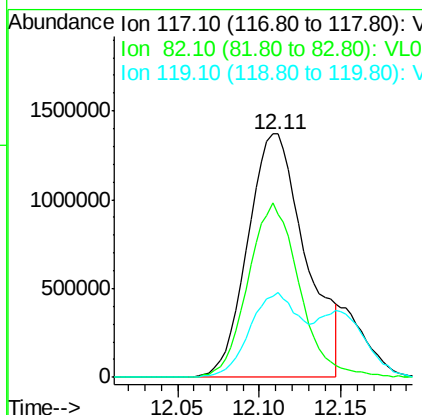
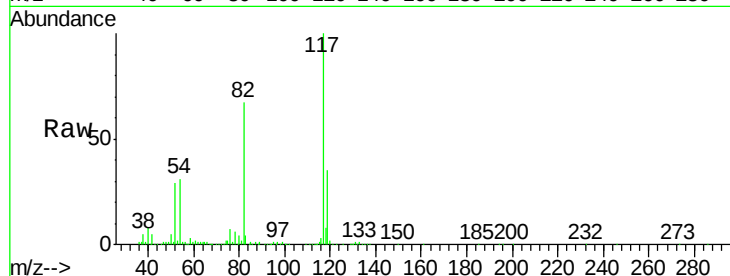
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion:117 Resp: 3357652
Ion Ratio Lower Upper
117 100
82 64.4 50.4 75.6
119 32.4 25.4 38.0

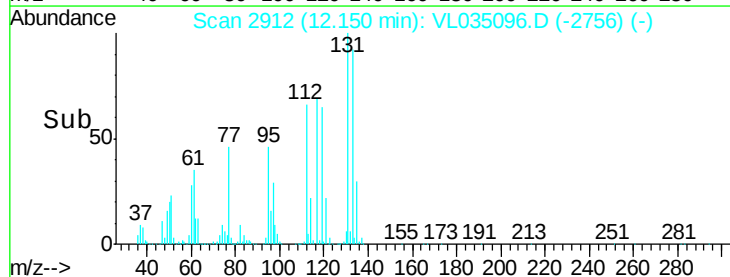
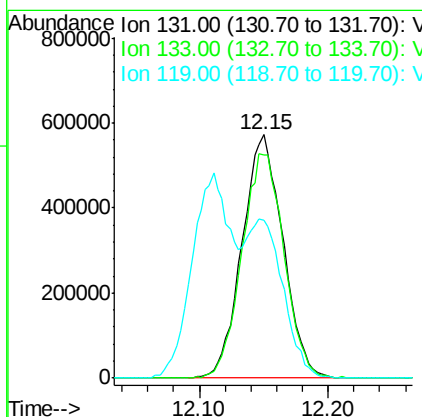
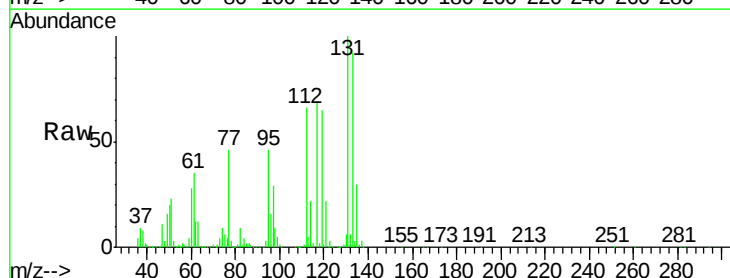
Manual Integrations
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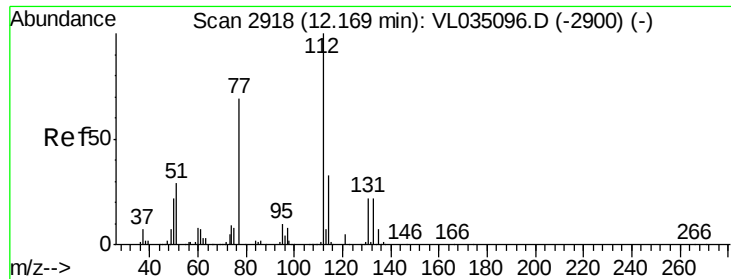
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#56
1,1,1,2-Tetrachloroethane
Concen: 8.425 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion:131 Resp: 1261966
Ion Ratio Lower Upper
131 100
133 95.3 76.2 114.4
119 56.7 114.6 172.0#





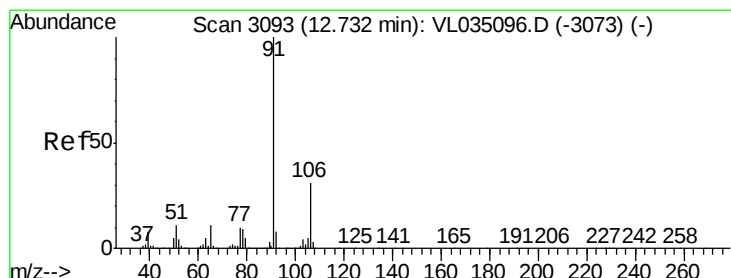
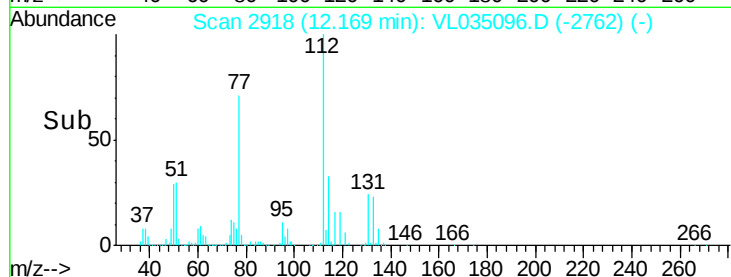
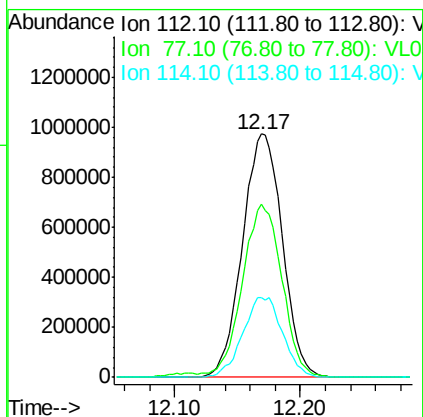
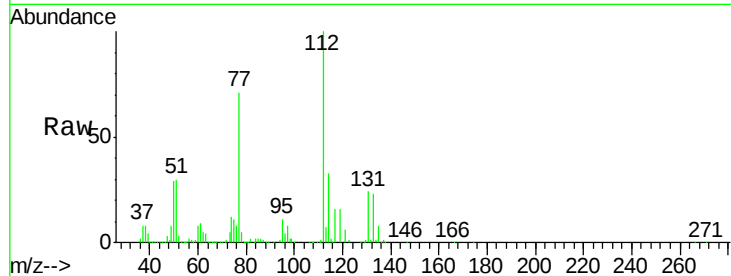
#57
Chlorobenzene
Concen: 8.142 ppbv
RT: 12.17 min Scan# 2918
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 112 Resp: 2146583
Ion Ratio Lower Upper
112 100
77 70.9 56.7 85.1
114 32.6 29.3 35.9

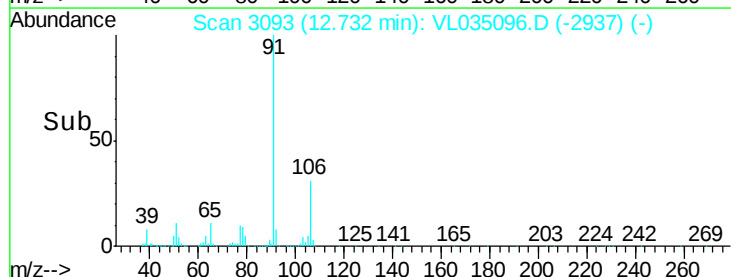
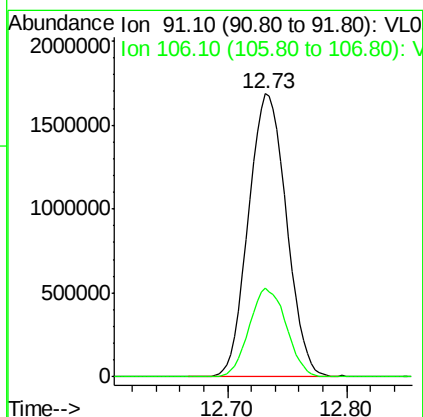
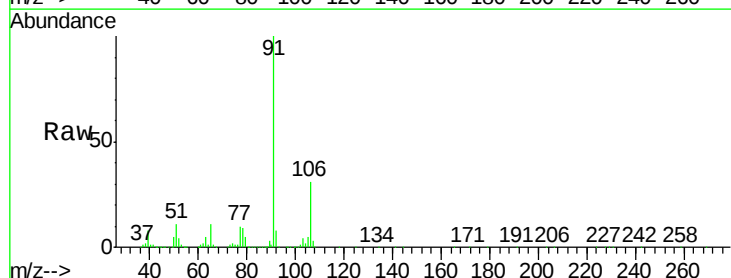
Manual Integrations
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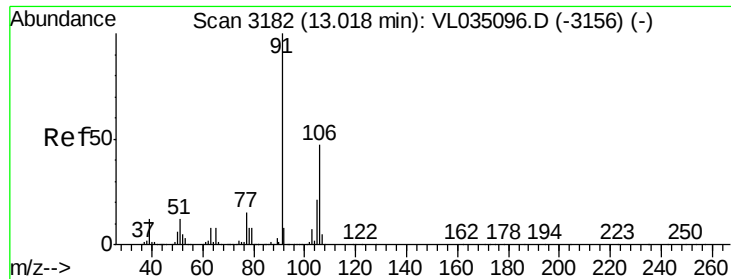
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#58
Ethyl Benzene
Concen: 9.139 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 91 Resp: 3735346
Ion Ratio Lower Upper
91 100
106 31.3 25.0 37.6





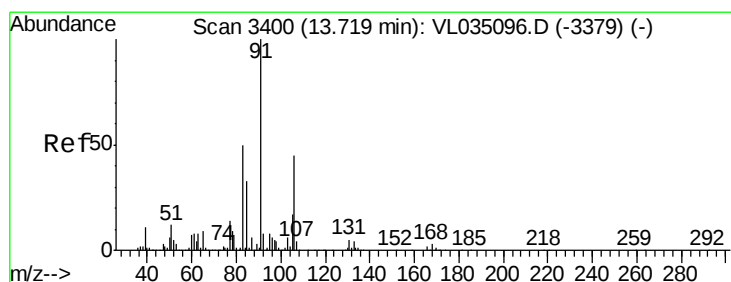
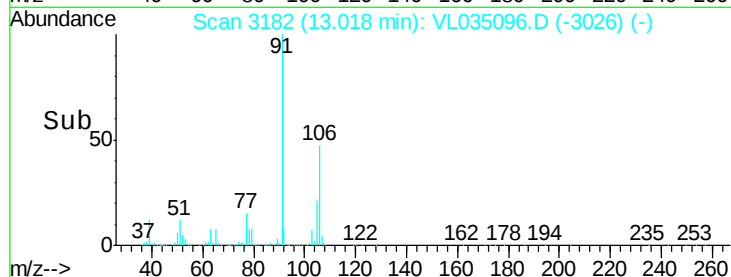
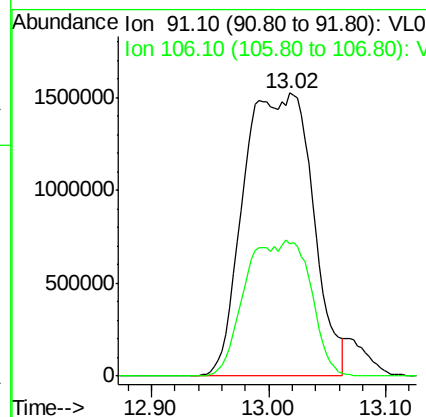
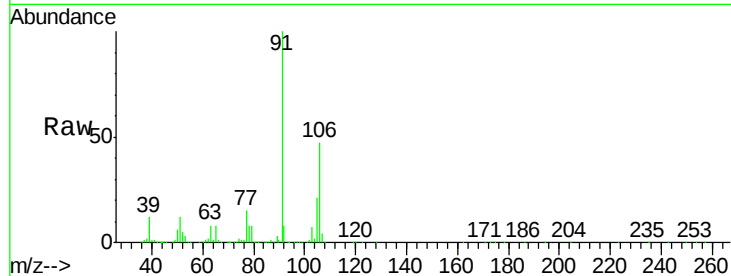
#59
m/p-Xylene
Concen: 17.254 ppbv m
RT: 13.02 min Scan# 3182
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion: 91 Resp: 6218866
Ion Ratio Lower Upper
91 100
106 45.6 36.5 54.7

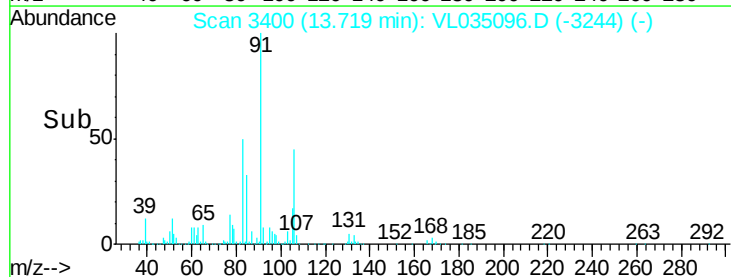
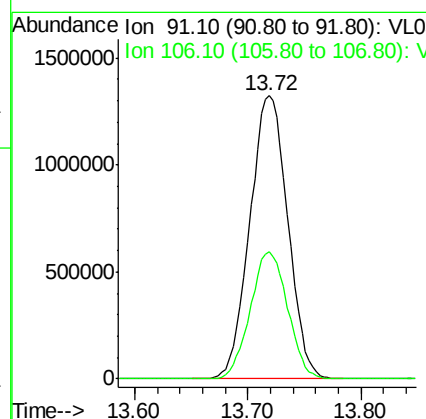
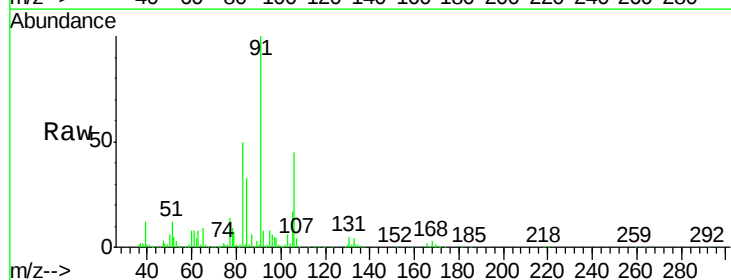
Manual Integrations
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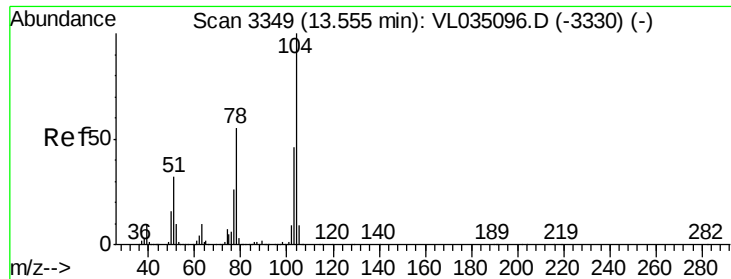
MMDadoda
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#60
o-Xylene
Concen: 8.669 ppbv
RT: 13.72 min Scan# 3400
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion: 91 Resp: 3085379
Ion Ratio Lower Upper
91 100
106 44.3 22.1 66.5





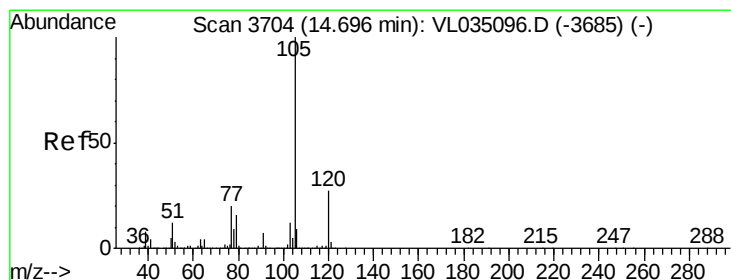
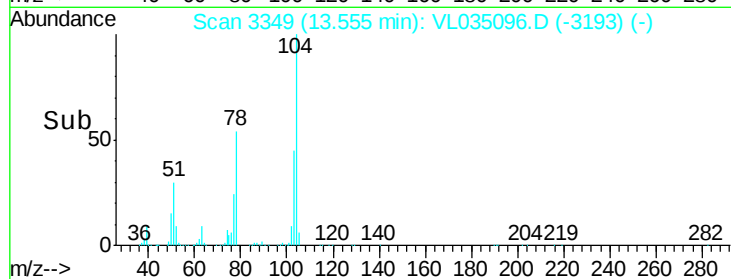
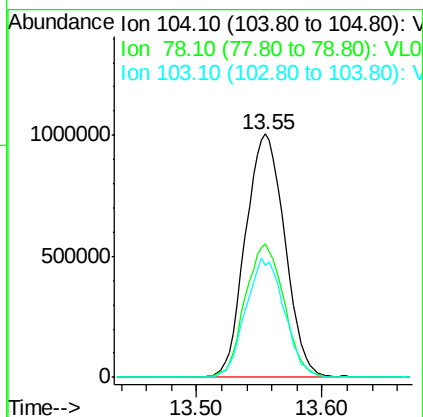
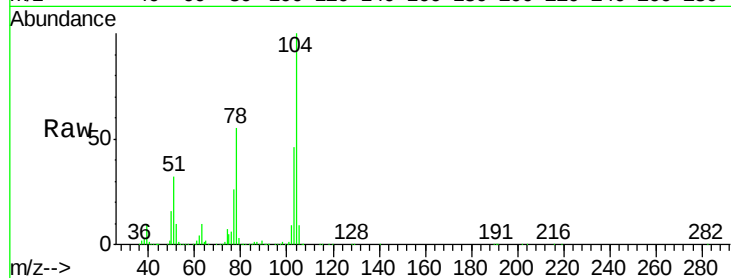
#61
Stvrene
Concen: 9.790 ppbv
RT: 13.55 min Scan# 3349
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Instrument :
MSVOA_L
ClientSampleId :
VSTDICCC010

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.2	43.4	65.0
103	47.9	38.3	57.5

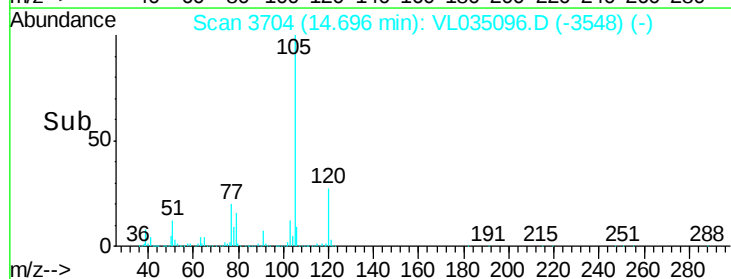
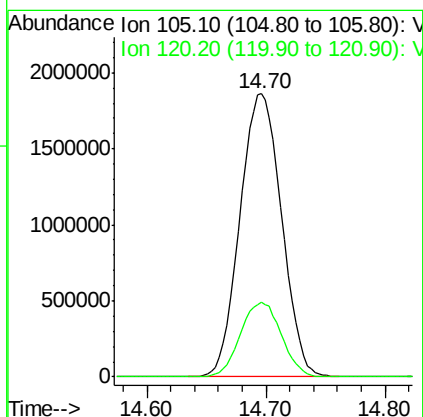
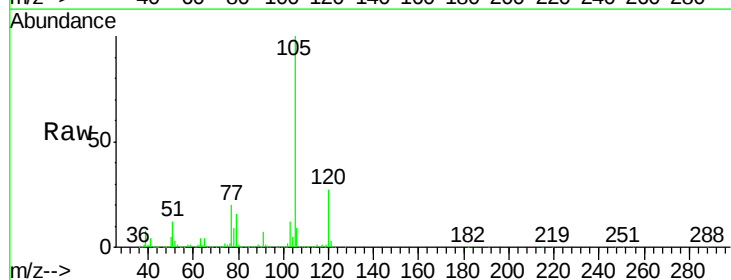
Manual Integrations
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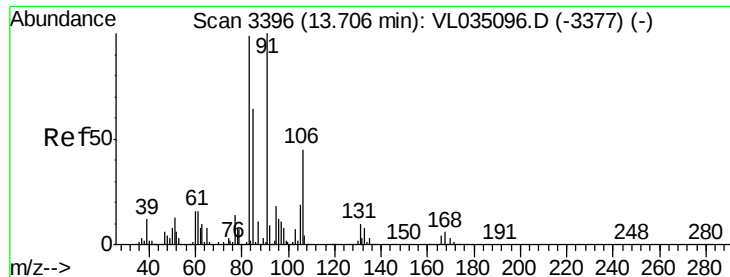
MMDadoda
6/22/2020 2:08:51 PM



#62
Isopropylbenzene
Concen: 8.489 ppbv
RT: 14.70 min Scan# 3704
Delta R.T. 0.00 min
Lab File: VL035096.D
Acq: 19 Jun 2020 15:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	26.0	20.8	31.2





#63

1,1,2,2-Tetrachloroethane

Concen: 7.712 ppbv

RT: 13.71 min Scan# 3396

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 83 Resp: 2169770

Ion Ratio Lower Upper

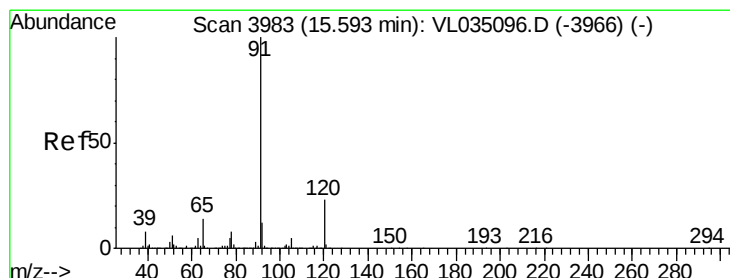
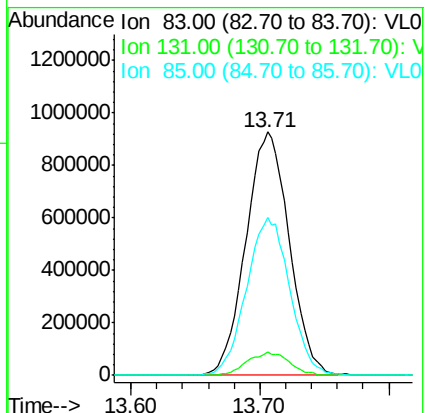
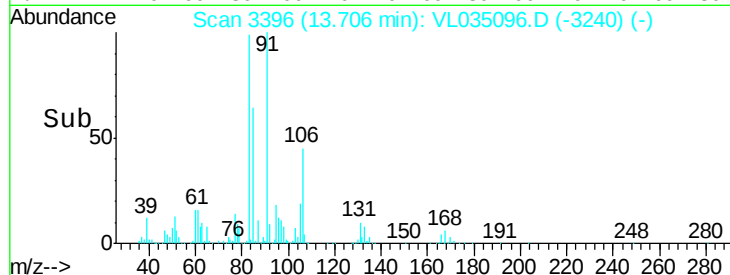
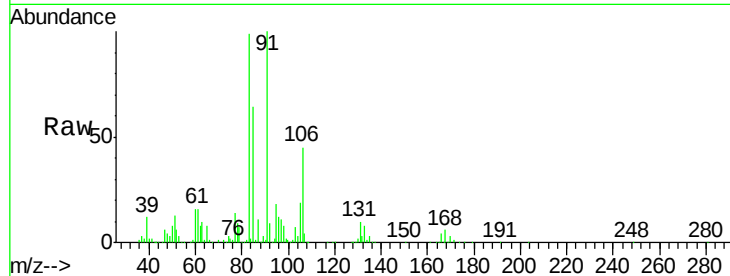
83 100

131 9.3 4.7 14.0

85 64.7 32.4 97.0

Manual Integrations
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#64

n-propylbenzene

Concen: 8.797 ppbv

RT: 15.59 min Scan# 3983

Delta R.T. 0.00 min

Lab File: VL035096.D

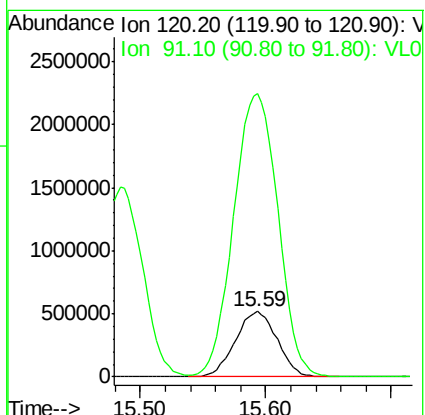
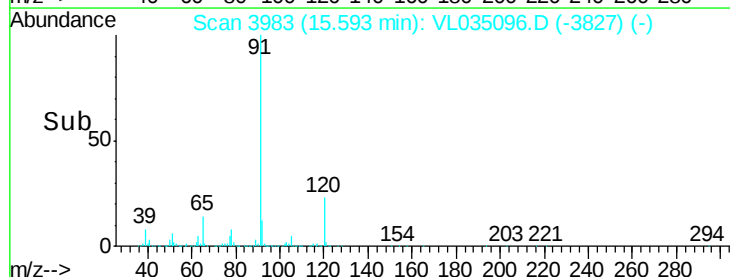
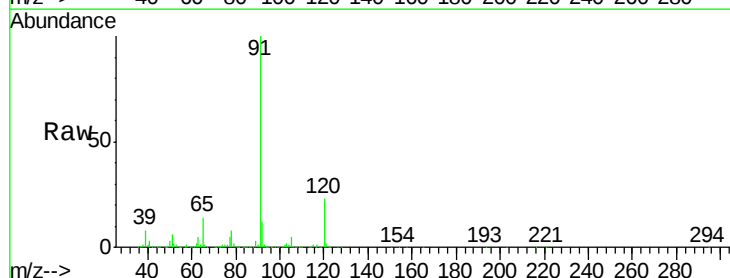
Acq: 19 Jun 2020 15:52

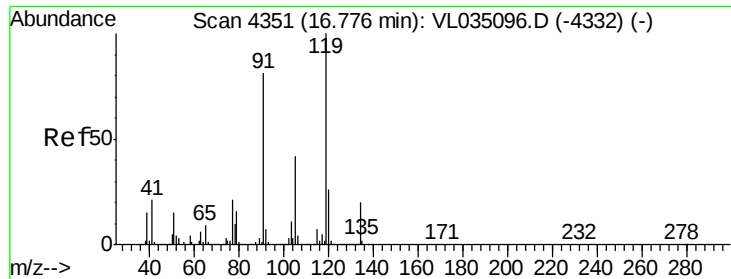
Tgt Ion: 120 Resp: 1199207

Ion Ratio Lower Upper

120 100

91 460.0 367.9 551.9





#65

tert-Butylbenzene

Concen: 8.423 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:119 Resp: 3885407

Ion Ratio Lower Upper

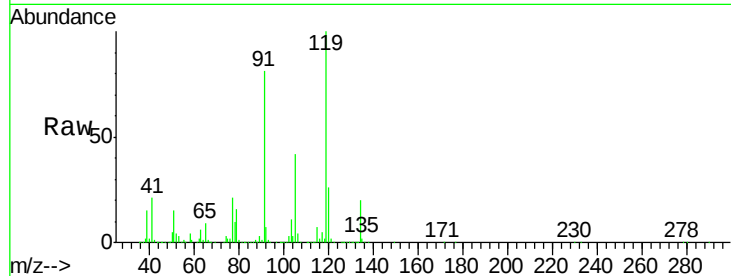
119 100

91 84.5 67.6 101.4

134 19.6 15.7 23.5

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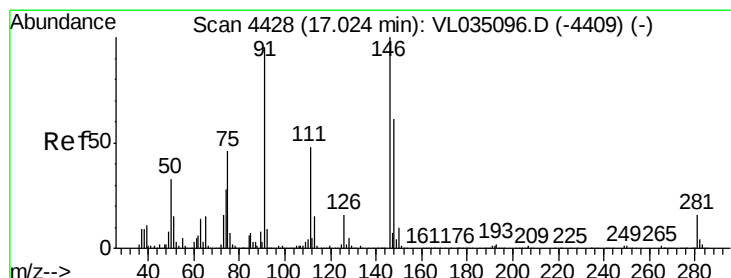
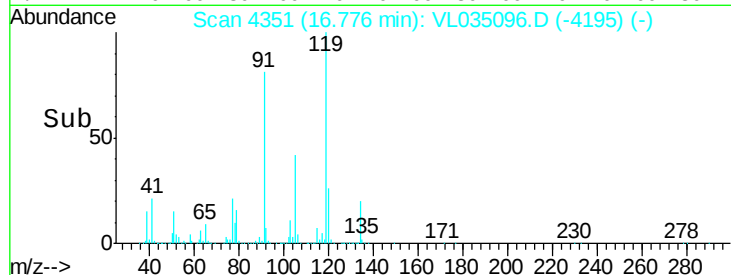
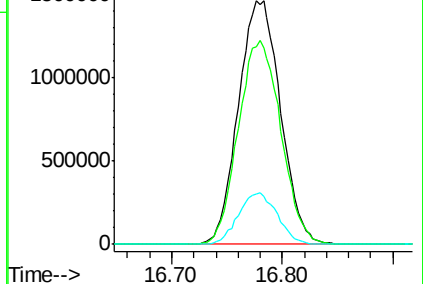
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 9.557 ppbv

RT: 17.02 min Scan# 4428

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

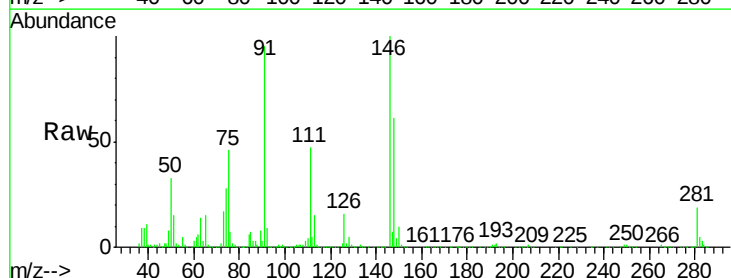
Tgt Ion: 91 Resp: 1461563

Ion Ratio Lower Upper

91 100

126 16.9 13.5 20.3

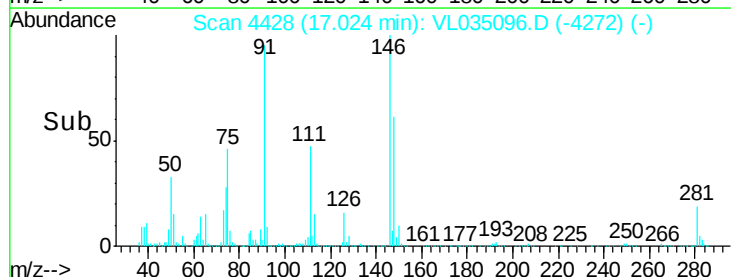
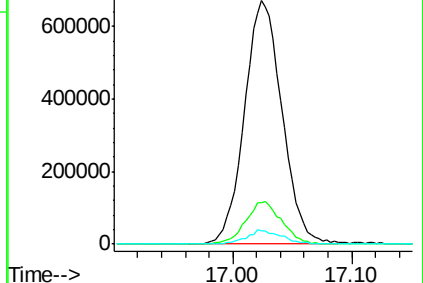
128 5.4 4.3 6.5

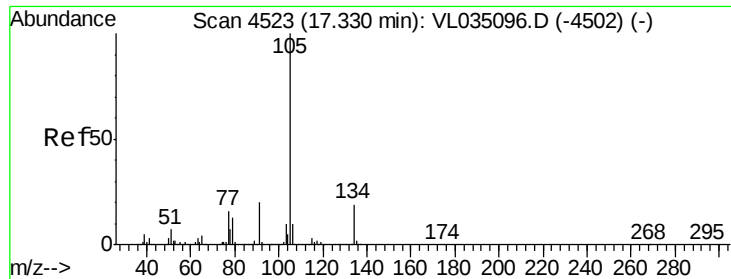


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





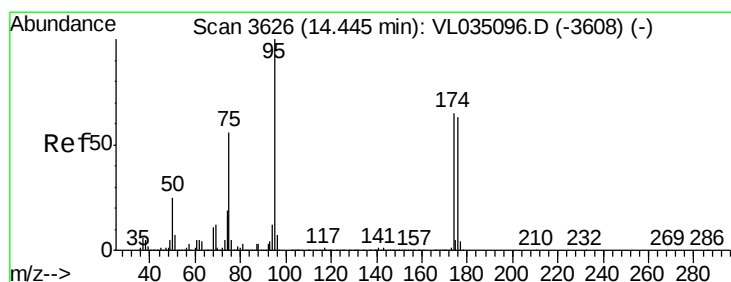
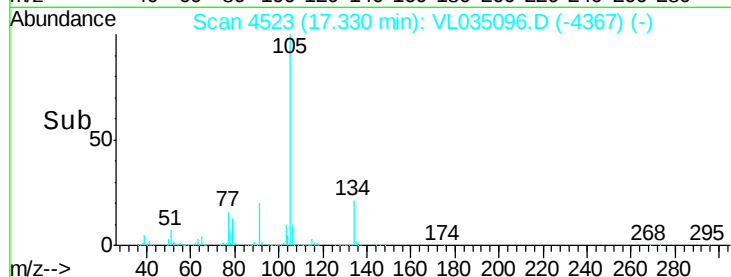
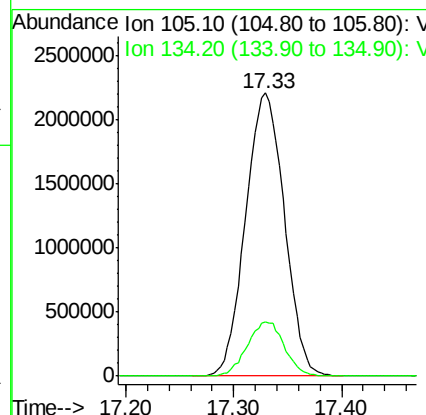
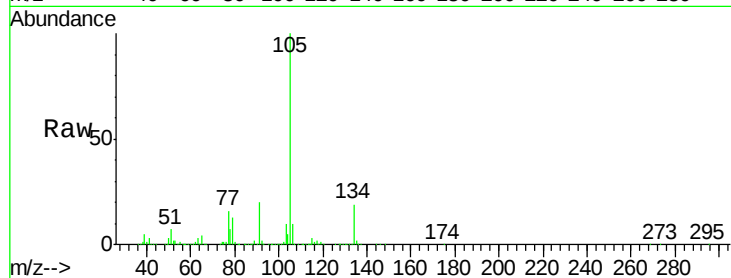
#67
 sec-Butylbenzene
 Concen: 8.396 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion: 105 Resp: 5519219
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.7 22.1

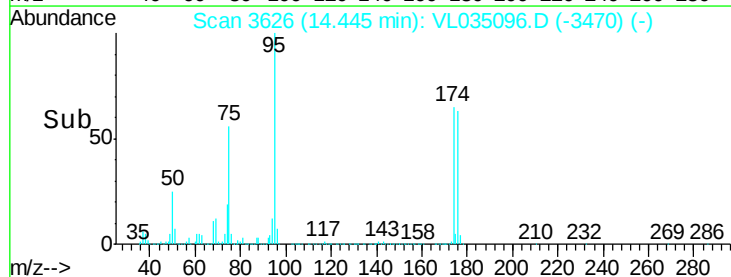
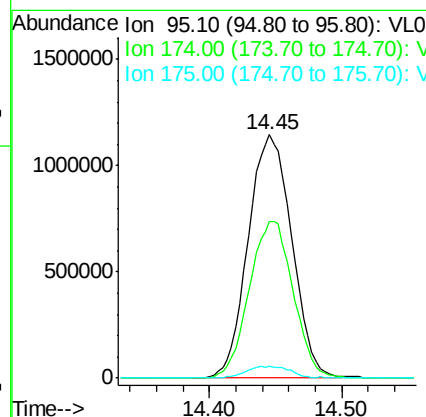
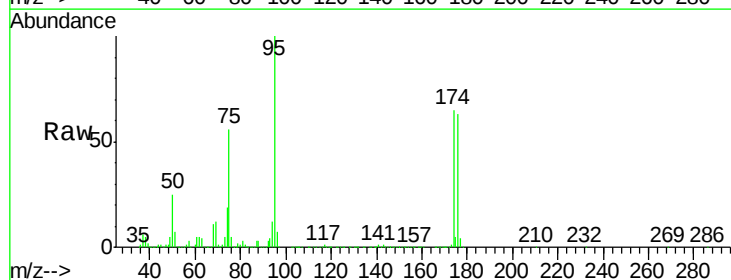
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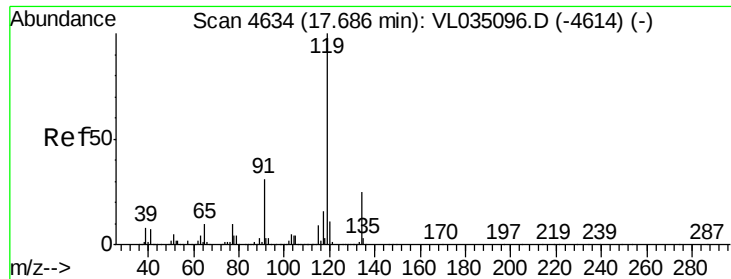
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.683 ppbv
 RT: 14.45 min Scan# 3626
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion: 95 Resp: 2621126
 Ion Ratio Lower Upper
 95 100
 174 65.0 52.2 78.2
 175 5.0 4.0 6.0





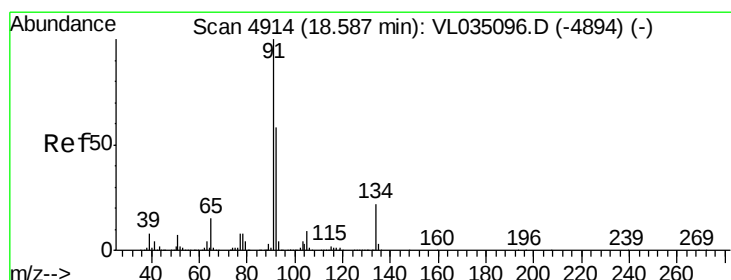
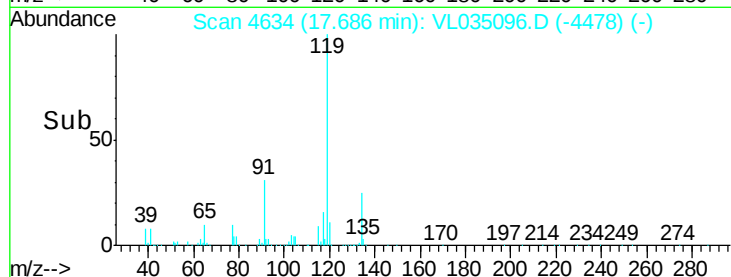
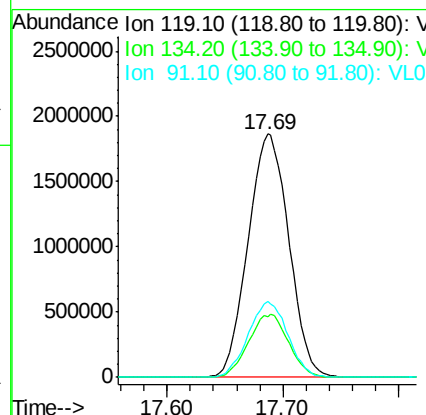
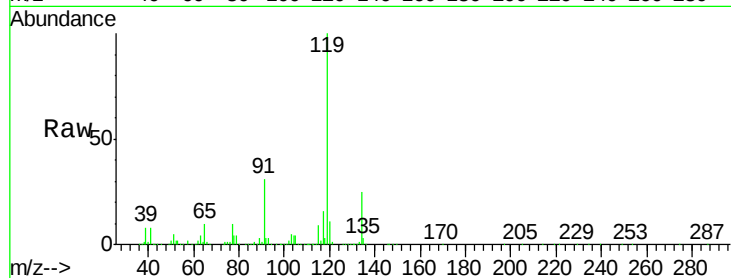
#69
 p-Isopropyltoluene
 Concen: 8.550 ppbv
 RT: 17.69 min Scan# 4634
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
119	100		
134	25.5	20.4	30.6
91	30.6	24.5	36.7

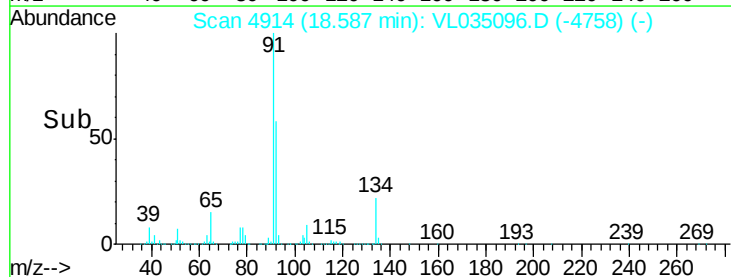
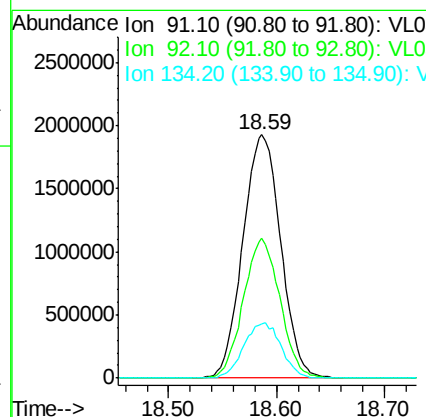
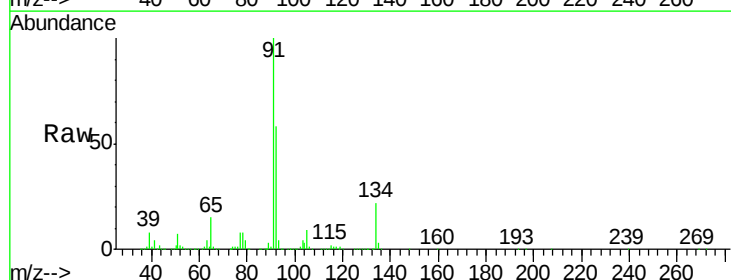
Manual Integrations
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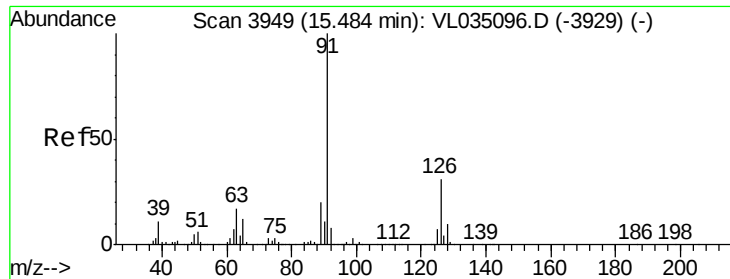
MMDadoda
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#70
 n-Butylbenzene
 Concen: 8.330 ppbv
 RT: 18.59 min Scan# 4914
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.5	44.4	66.6
134	22.5	18.0	27.0





#71

2-Chlorotoluene

Concen: 8.762 ppbv

RT: 15.48 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion: 91 Resp: 3511681

Ion Ratio Lower Upper

91 100

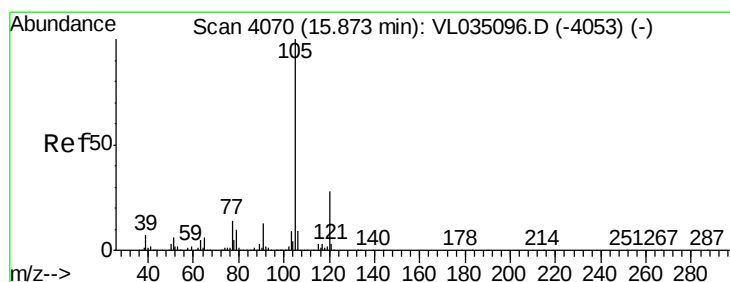
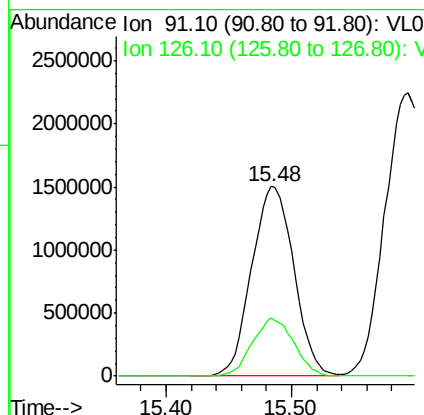
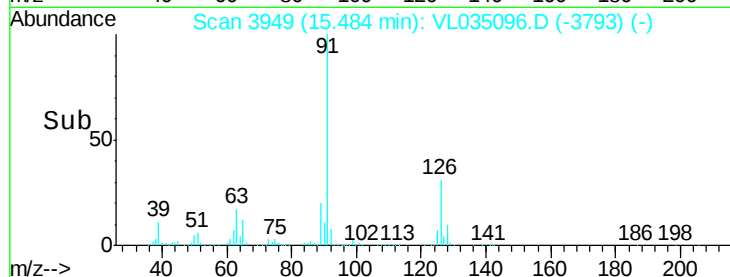
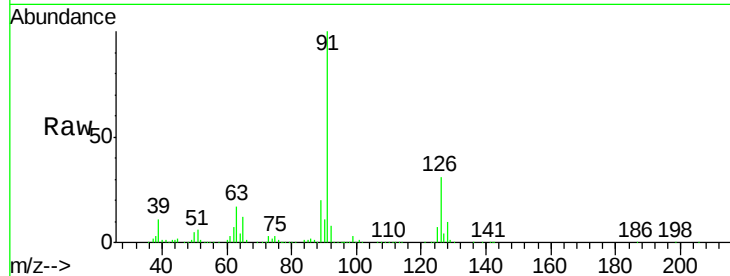
126 30.0 12.0 48.0

Manual Integrations

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#72

4-Ethyltoluene

Concen: 8.997 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Tgt Ion: 105 Resp: 3575736

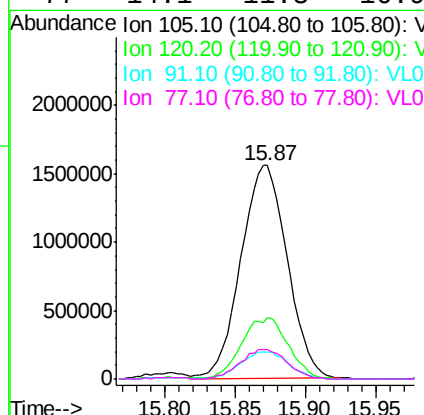
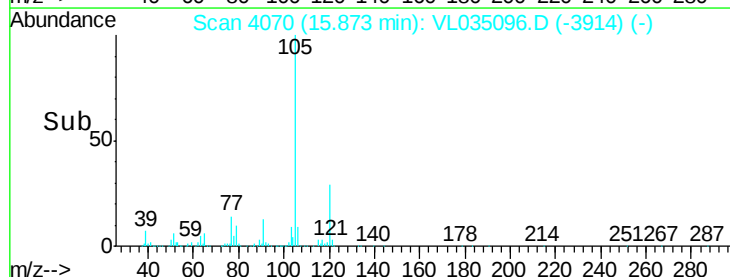
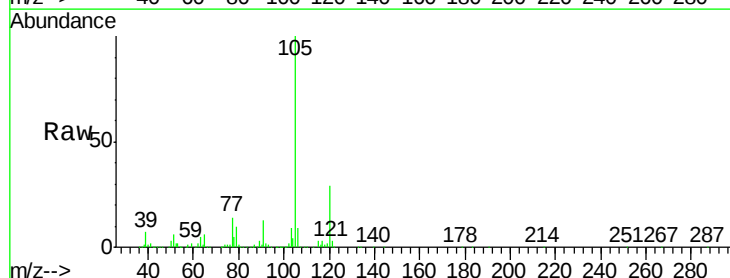
Ion Ratio Lower Upper

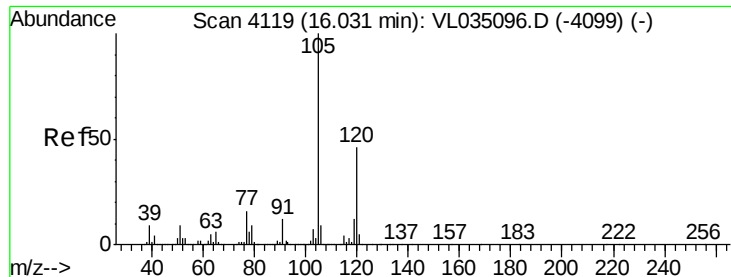
105 100

120 29.2 23.4 35.0

91 13.3 10.6 16.0

77 14.1 11.3 16.9





#73

1,3,5-Trimethylbenzene

Concen: 8.587 ppbv

RT: 16.03 min Scan# 4119

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:105 Resp: 3309621

Ion Ratio Lower Upper

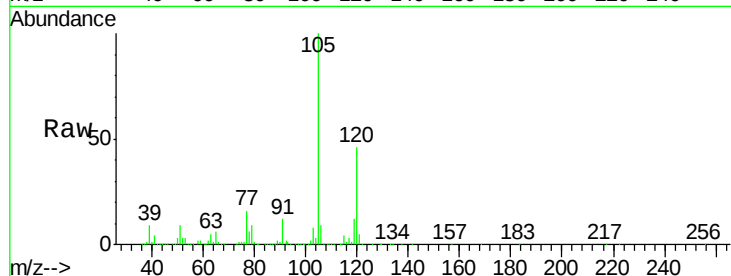
105 100

120 46.3 37.0 55.6

Manual Integrations
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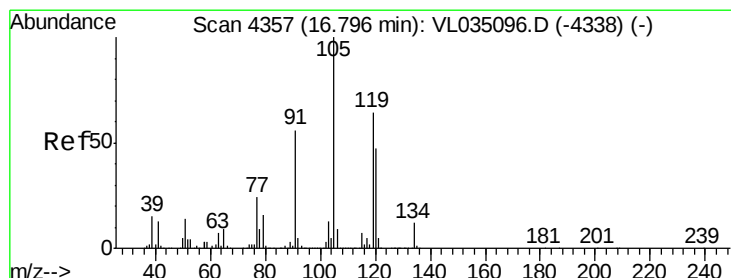
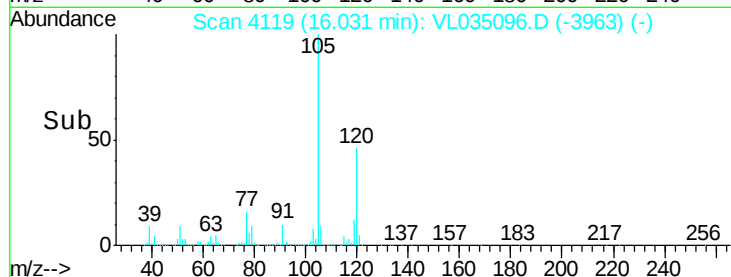
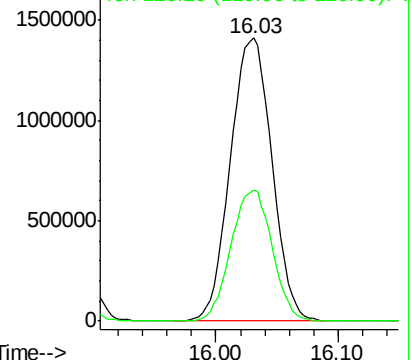
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 8.048 ppbv

RT: 16.80 min Scan# 4357

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Tgt Ion:105 Resp: 3386577

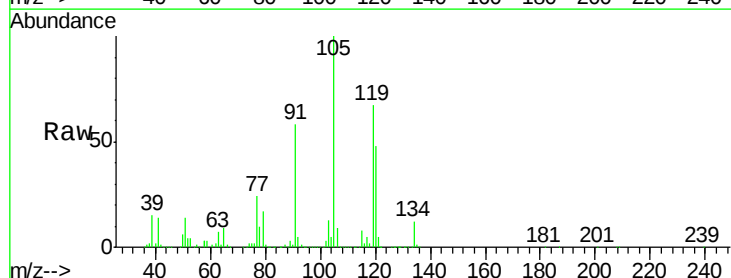
Ion Ratio Lower Upper

105 100

120 47.4 37.9 56.9

91 57.5 46.0 69.0

77 24.3 19.4 29.2

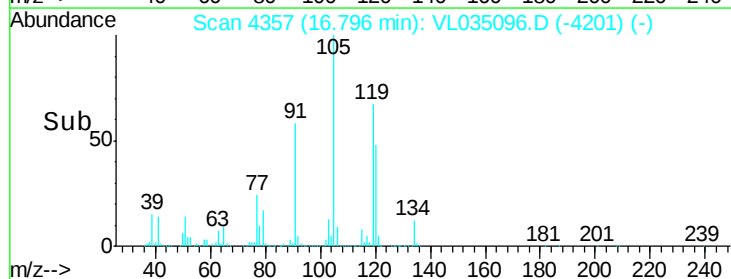
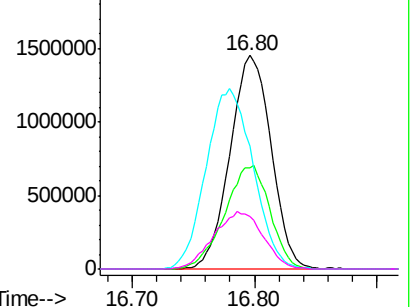


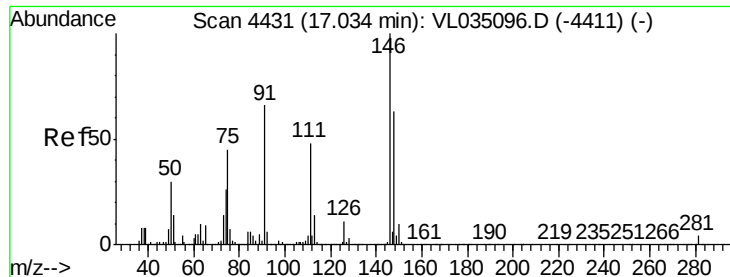
Abundance Ion 105.10 (104.80 to 105.80): V

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





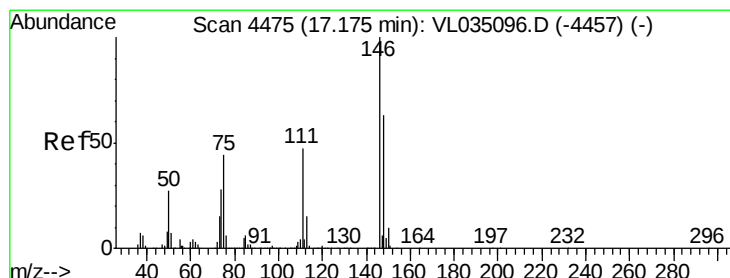
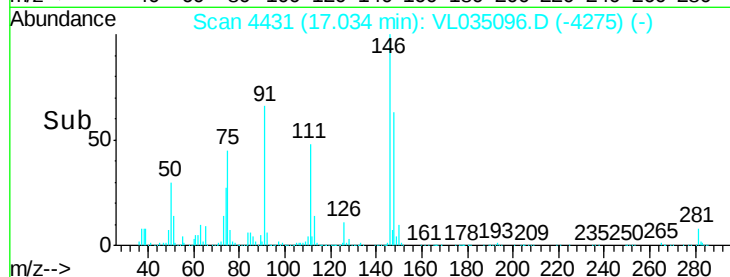
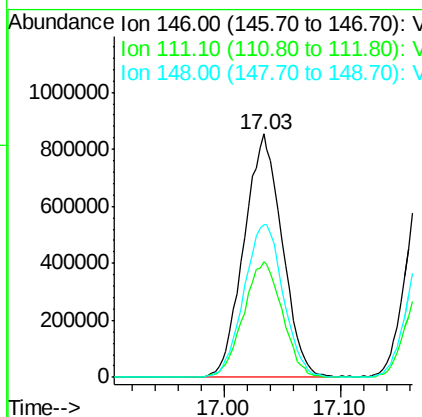
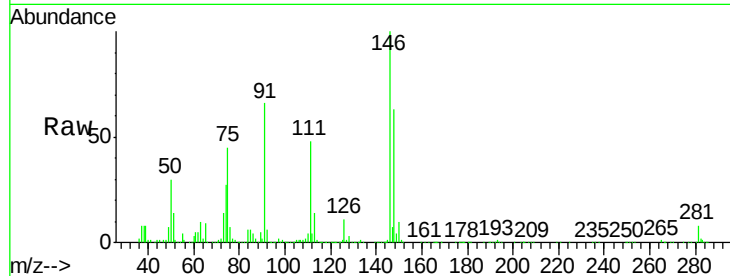
#75
 1,3-Dichlorobenzene
 Concen: 7.906 ppbv
 RT: 17.03 min Scan# 4431
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 1961180
 Ion Ratio Lower Upper
 146 100
 111 48.3 24.1 72.4
 148 64.5 32.3 96.8

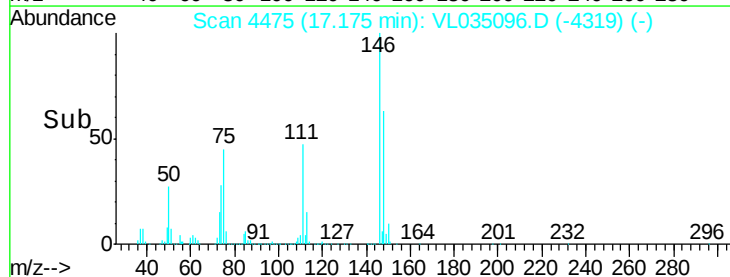
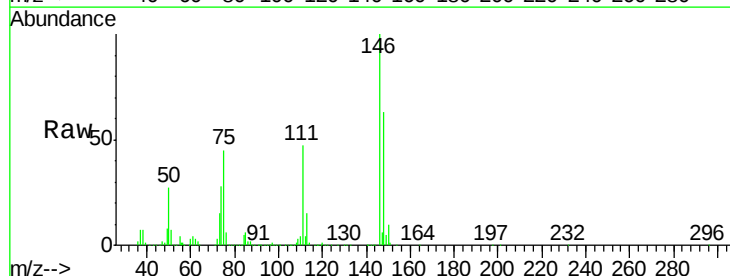
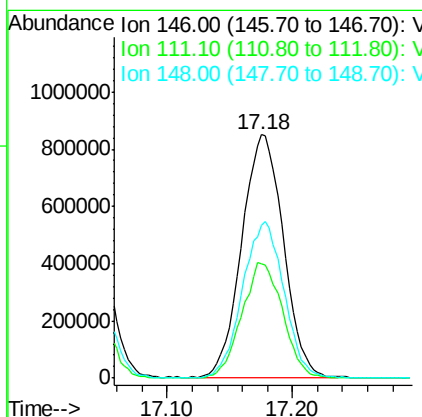
Manual Integrations
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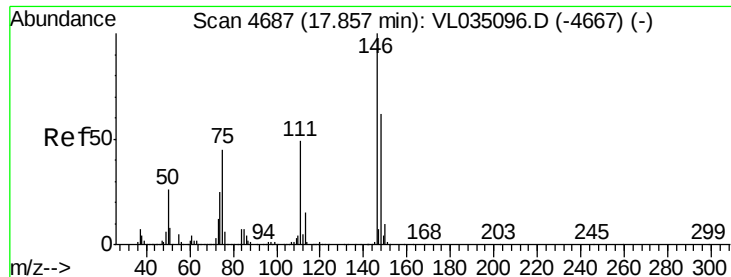
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#76
 1,4-Dichlorobenzene
 Concen: 8.323 ppbv
 RT: 17.18 min Scan# 4475
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion:146 Resp: 1959174
 Ion Ratio Lower Upper
 146 100
 111 47.0 23.5 70.5
 148 64.1 32.0 96.2





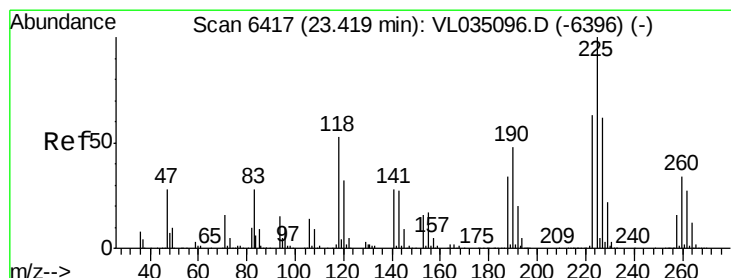
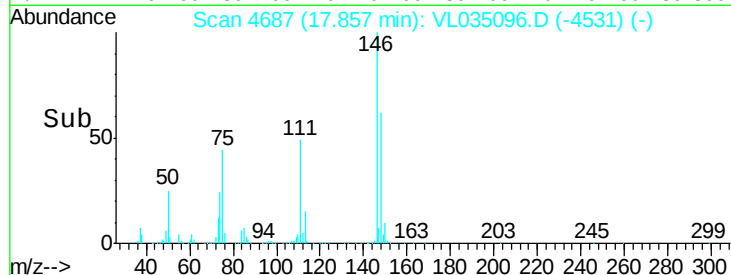
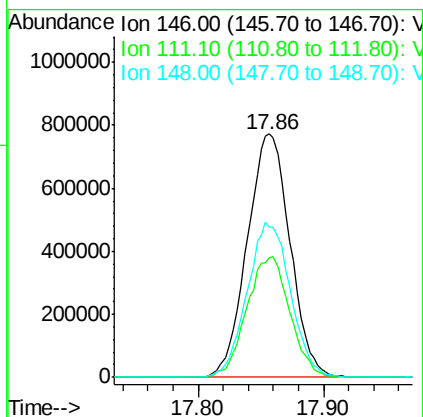
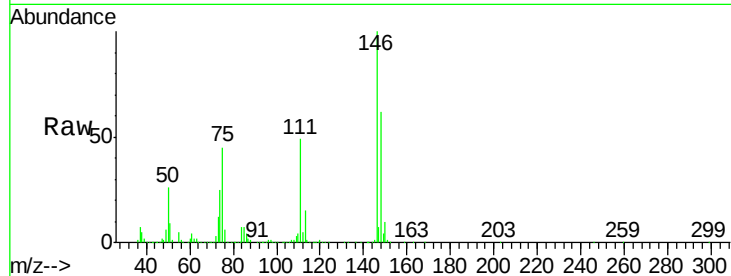
#77
 1,2-Dichlorobenzene
 Concen: 7.885 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion:146 Resp: 1832124
 Ion Ratio Lower Upper
 146 100
 111 49.9 25.0 75.0
 148 64.4 32.3 96.8

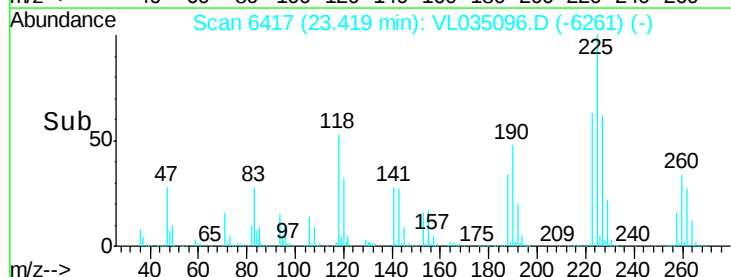
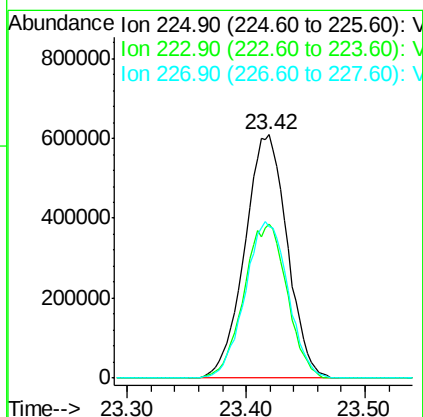
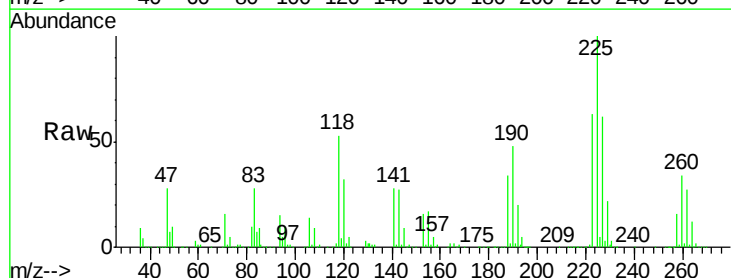
Manual Integrations
 APPROVED

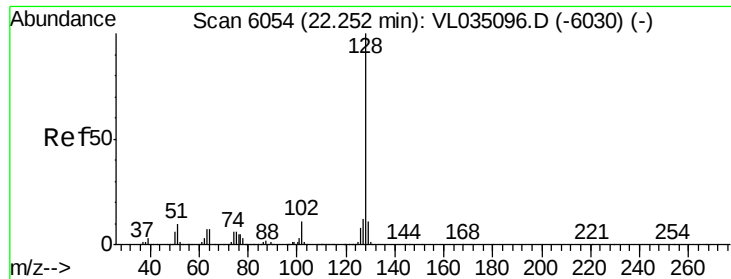
MMDadoda
 6/22/2020 2:08:51 PM



#78
 Hexachloro-1,3-Butadiene
 Concen: 7.563 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Tgt Ion:225 Resp: 1505097
 Ion Ratio Lower Upper
 225 100
 223 64.2 51.4 77.0
 227 64.8 51.8 77.8





#79

Naphthalene

Concen: 10.178 ppbv

RT: 22.25 min Scan# 6054

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

Instrument :

MSVOA_L

ClientSampleId :

VSTDICCC010

Tot Ion:128 Resp: 3304365

Ion Ratio Lower Upper

128 100

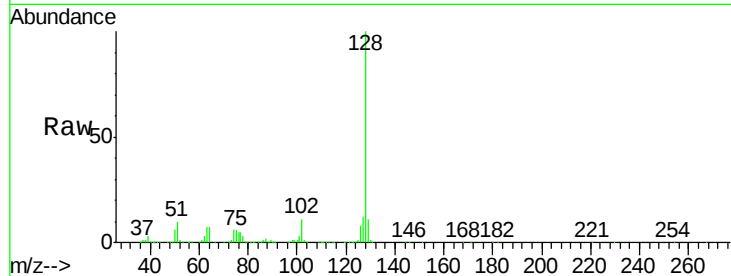
127 12.4 9.9 14.9

129 11.2 9.0 13.4

Manual Integrations
APPROVED

MMDadoda

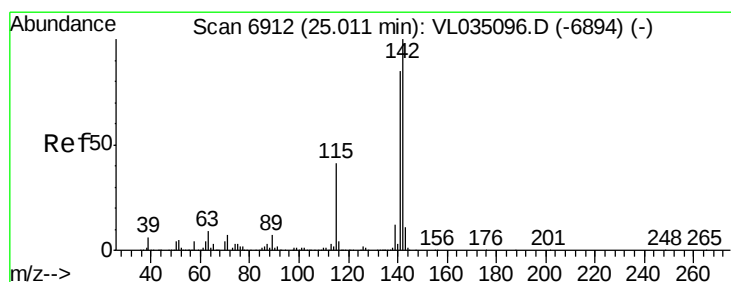
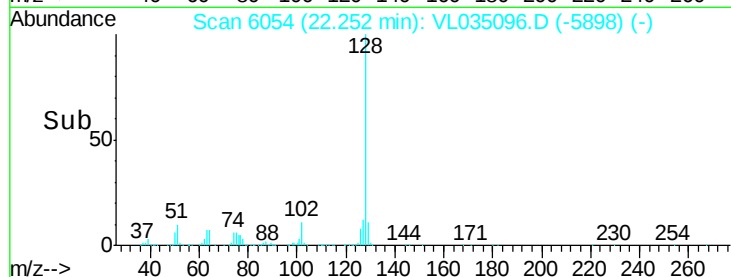
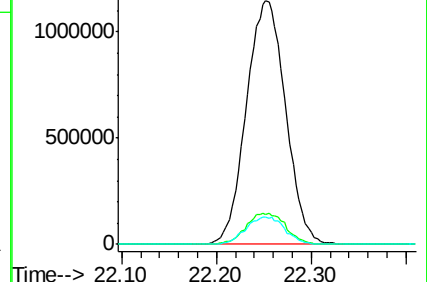
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Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 19.019 ppbv

RT: 25.01 min Scan# 6912

Delta R.T. 0.00 min

Lab File: VL035096.D

Acq: 19 Jun 2020 15:52

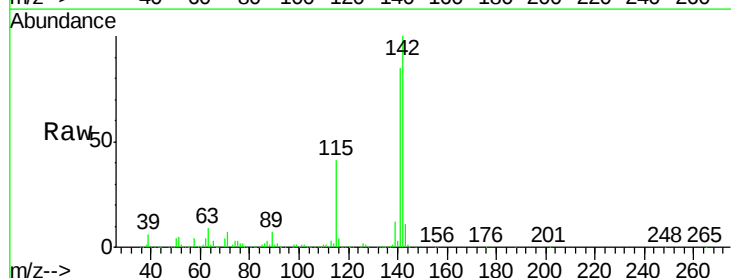
Tgt Ion:142 Resp: 1555184

Ion Ratio Lower Upper

142 100

141 84.4 67.5 101.3

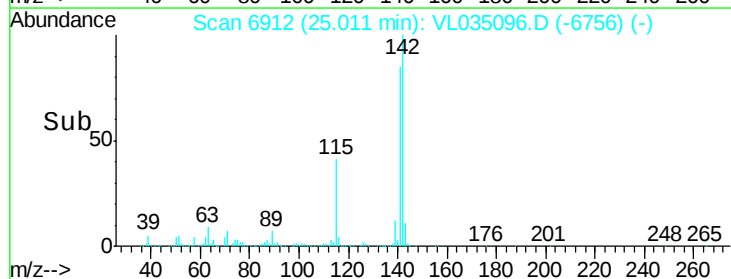
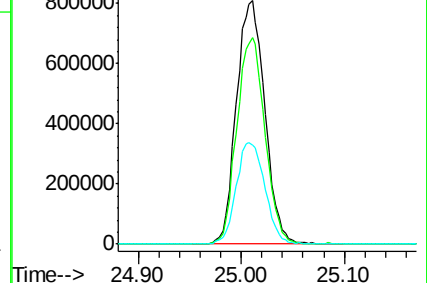
115 42.3 33.8 50.8

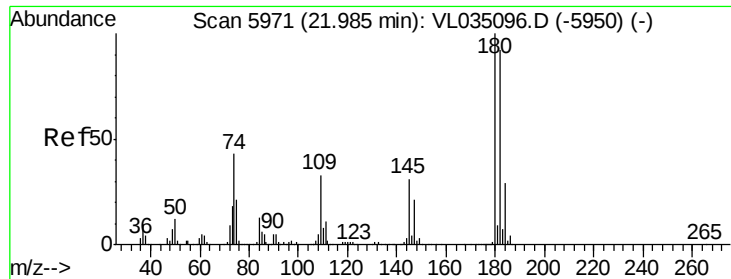


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 8.875 ppbv
 RT: 21.99 min Scan# 5971
 Delta R.T. 0.00 min
 Lab File: VL035096.D
 Acq: 19 Jun 2020 15:52

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICCC010

Tot Ion	Ratio	Lower	Upper
180	100		
182	97.5	77.9	116.9
184	30.8	24.6	37.0

Manual Integrations
 APPROVED

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