

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091020\
 Data File : VL035594.D
 Acq On : 11 Sep 2020 8:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
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MMDadoda
 9/11/2020 2:03:13 PM

Quant Time: Sep 11 09:36:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1080018	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.18	114	4436039	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4736090m	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3406306	10.13	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	1628116	8.699	ppbv	100
3) Chlorodifluoromethane	2.97	51	1104575	9.247	ppbv	99
4) Chloromethane	3.13	50	587278	9.177	ppbv	99
5) Vinyl Chloride	3.24	62	703758	8.920	ppbv	99
6) Bromomethane	3.46	94	624755	9.427	ppbv	100
7) Chloroethane	3.55	64	265719	9.526	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2076612	9.161	ppbv	95
9) Propene	2.99	41	421189	9.146	ppbv	100
10) Heptane	8.12	43	1220938	9.871	ppbv	99
11) Trichlorofluoromethane	3.94	101	2484868	9.104	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1899724	9.222	ppbv	93
13) Ethanol	3.59	45	106726	9.348	ppbv	98
14) Bromoethene	3.73	108	852305	9.612	ppbv	100
15) Acetone	3.84	43	948740	7.965	ppbv	99
16) 1,3-Butadiene	3.31	39	438792	9.896	ppbv	98
17) tert-Butyl alcohol	4.28	59	1416402	9.769	ppbv	100
18) 1,1-Dichloroethene	4.28	96	881293	9.715	ppbv	98
19) Isopropyl Alcohol	3.96	45	734414	10.335	ppbv	99
20) Methylene Chloride	4.33	84	717015	8.082	ppbv	98
21) Allyl Chloride	4.40	41	583079	10.448	ppbv	99
22) trans-1,2-Dichloroethene	4.88	96	924526	9.573	ppbv	95
23) Vinyl Acetate	5.07	43	1469815	9.614	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1474268	9.370	ppbv	100
25) Ethyl Acetate	5.67	43	2007919	9.542	ppbv	100
26) Hexane	5.68	57	1131717	9.492	ppbv	99
27) Carbon Disulfide	4.54	76	1938411	11.329	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1947315	9.371	ppbv	100
29) Chloroform	5.74	83	2329586	9.589	ppbv	98
30) Cyclohexane	7.13	84	1276096	9.991	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1211801	9.906	ppbv	98
32) 1,1,1-Trichloroethane	6.51	97	2275173	9.654	ppbv	99
34) 2-Butanone	5.24	43	1360867	10.337	ppbv	99
35) Carbon Tetrachloride	7.01	117	2396741	10.750	ppbv	99
36) Benzene	6.89	78	2914841	10.151	ppbv	99
37) 1,2-Dichloroethane	6.30	62	1418332	10.360	ppbv	99
38) Trichloroethene	7.83	130	1522337	9.127	ppbv	95
39) 1,2-Dichloropropane	7.61	63	987052	10.176	ppbv	99
40) 1,4-Dioxane	7.83	88	532614	10.991	ppbv	93
41) Tetrahydrofuran	6.04	42	767130	10.989	ppbv	99
42) Bromodichloromethane	7.79	83	2459981	11.112	ppbv	100
43) Methyl Methacrylate	8.01	69	1233473	11.109	ppbv	99

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Instrument :
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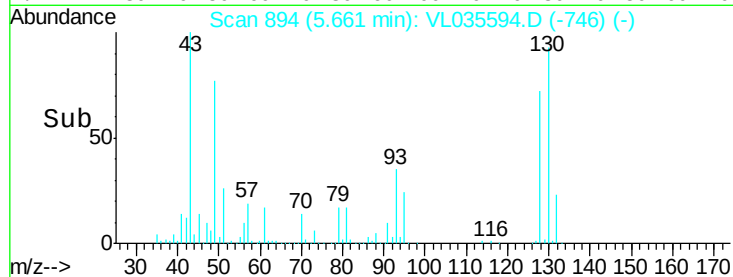
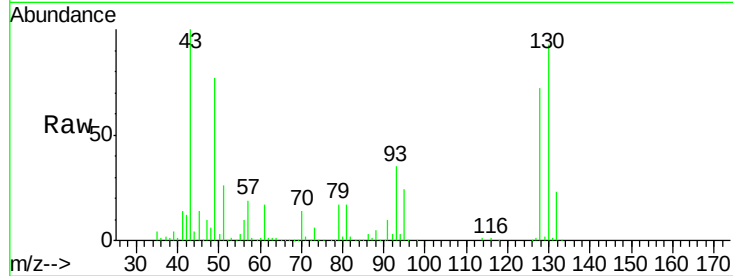
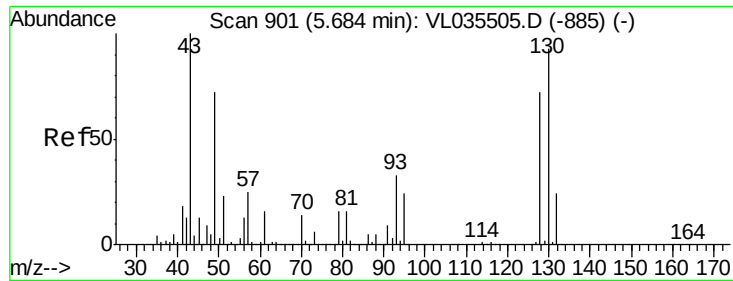
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 2020
 QLast Update : Thu Aug 27 06:46:28 2020
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	3875096	10.256	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	1373378	12.210	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1658176	11.873	ppbv	99
47) 1,1,2-Trichloroethane	9.48	97	1456338	10.175	ppbv	98
48) Dibromochloromethane	10.31	129	2473071	10.978	ppbv	100
49) Bromoform	13.05	173	2225626	10.901	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2029269	10.645	ppbv	100
51) 2-Hexanone	10.14	43	1681798	10.755	ppbv #	99
52) Tetrachloroethene	11.23	164	1437843	8.571	ppbv	97
53) Toluene	9.81	91	3714237	10.286	ppbv	100
54) 1,2-Dibromoethane	10.62	107	2280837	10.085	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.13	131	1932031	10.026	ppbv	97
57) Chlorobenzene	12.16	112	3181950	9.129	ppbv	97
58) Ethyl Benzene	12.72	91	4853284	9.937	ppbv	99
59) m/p-Xylene	13.01	91	8298533m	20.335	ppbv	
60) o-Xylene	13.70	91	4064589	9.889	ppbv	98
61) Styrene	13.54	104	3233642	10.287	ppbv	99
62) Isopropylbenzene	14.68	105	6127985	9.282	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.69	83	2939961	9.226	ppbv	99
64) n-propylbenzene	15.57	120	1897987	9.420	ppbv	90
65) tert-Butylbenzene	16.76	119	5745487	9.361	ppbv	97
66) Benzyl Chloride	17.00	91	1881233	12.333	ppbv	95
67) sec-Butylbenzene	17.31	105	7572545	9.261	ppbv	97
69) p-Isopropyltoluene	17.67	119	6464409	9.013	ppbv	98
70) n-Butylbenzene	18.56	91	6319607	9.147	ppbv	98
71) 2-Chlorotoluene	15.46	91	4680181	9.734	ppbv	96
72) 4-Ethyltoluene	15.85	105	4992413	9.554	ppbv	98
73) 1,3,5-Trimethylbenzene	16.01	105	4669978	9.663	ppbv	97
74) 1,2,4-Trimethylbenzene	16.78	105	4867661	9.171	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	3298851	8.391	ppbv	98
76) 1,4-Dichlorobenzene	17.15	146	3295208	8.499	ppbv	98
77) 1,2-Dichlorobenzene	17.83	146	3193473	8.384	ppbv	98
78) Hexachloro-1,3-Butadiene	23.39	225	1819810	7.484	ppbv	99
79) Naphthalene	22.22	128	4967858	8.436	ppbv	98
80) Naphthalene, 2-methyl-	24.99	142	1620408	8.061	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	2690602	7.629	ppbv	100

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



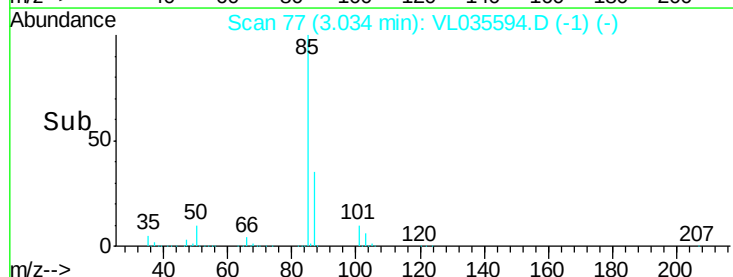
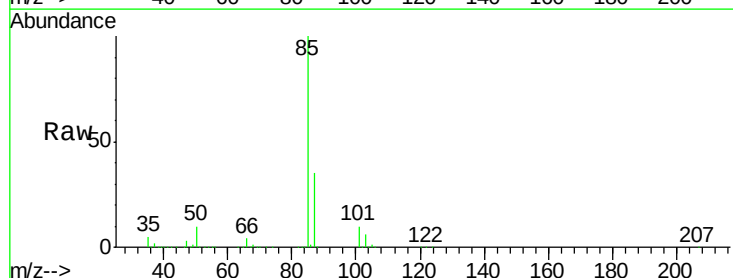
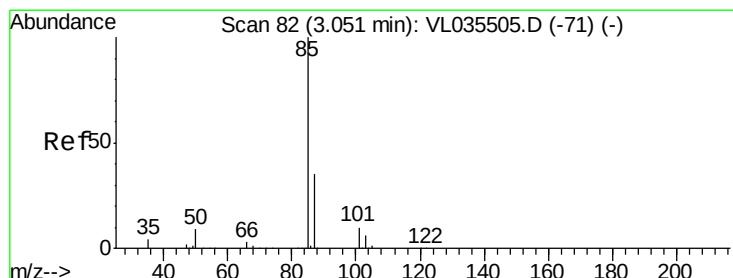
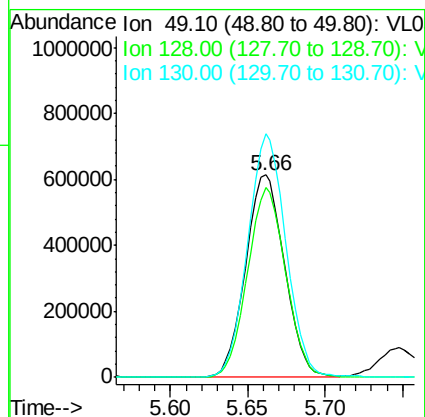
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tot Ion: 49 Resp: 1080018
Ion Ratio Lower Upper
49 100
128 92.1 50.0 150.1
130 118.1 64.4 193.2

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

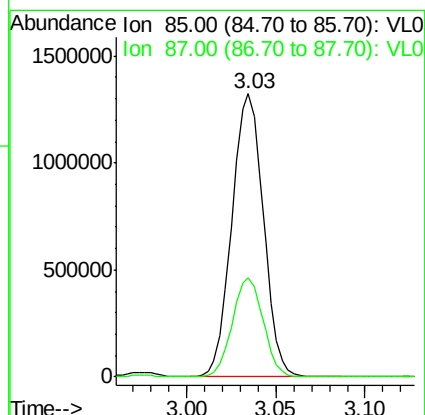
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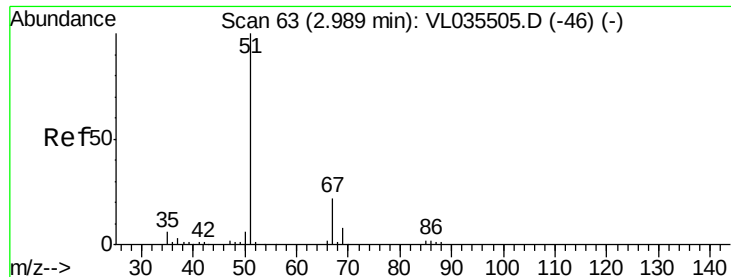
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#2
Dichlorodifluoromethane
Concen: 8.699 ppbv
RT: 3.03 min Scan# 77
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion: 85 Resp: 1628116
Ion Ratio Lower Upper
85 100
87 34.9 28.0 42.0





#3

Chlorodifluoromethane

Concen: 9.247 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 51 Resp: 1104575

Ion Ratio Lower Upper

51 100

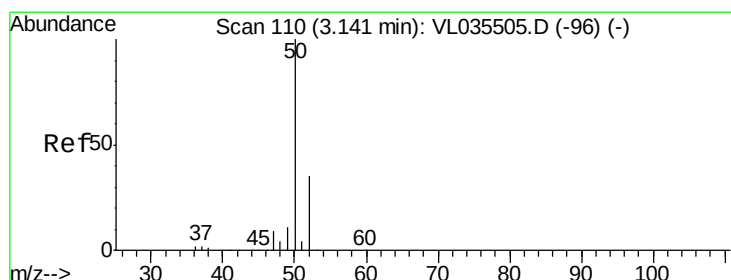
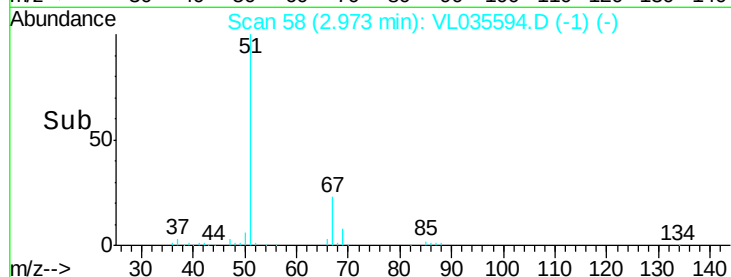
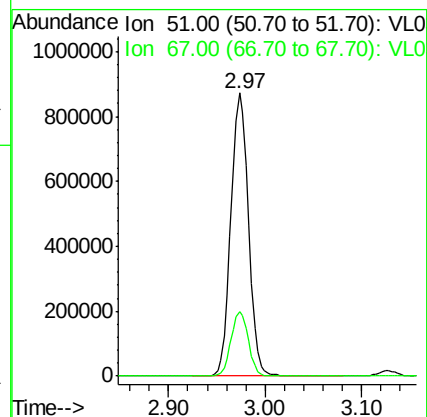
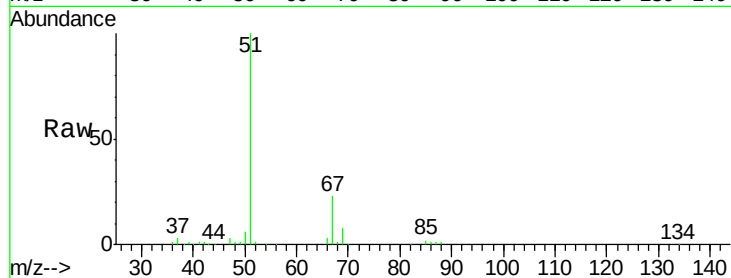
67 22.5 17.8 26.8

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#4

Chloromethane

Concen: 9.177 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.01 min

Lab File: VL035594.D

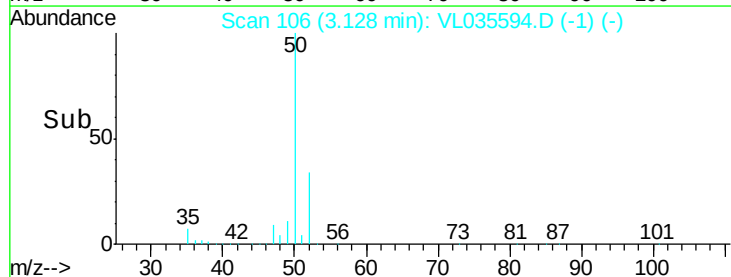
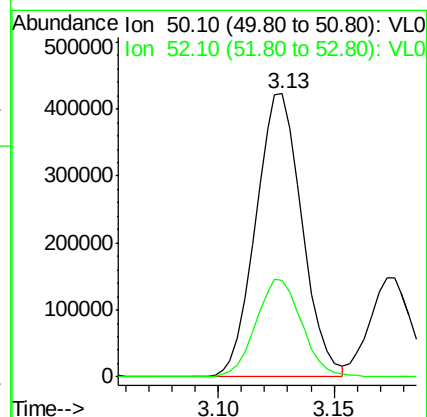
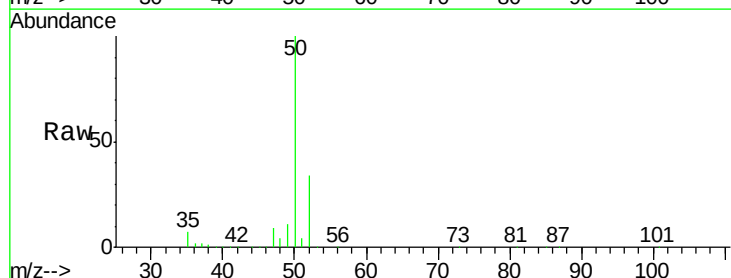
Acq: 11 Sep 2020 8:47

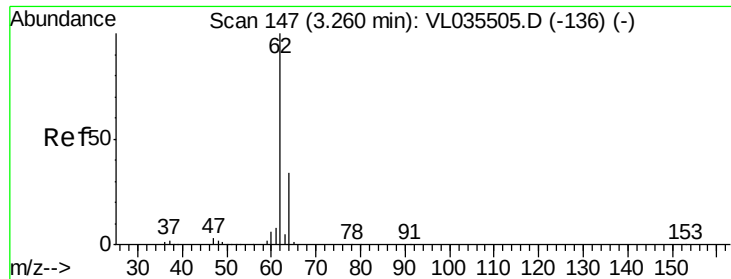
Tgt Ion: 50 Resp: 587278

Ion Ratio Lower Upper

50 100

52 34.1 27.7 41.5





#5

Vinyl Chloride

Concen: 8.920 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 703758

Ion Ratio Lower Upper

62 100

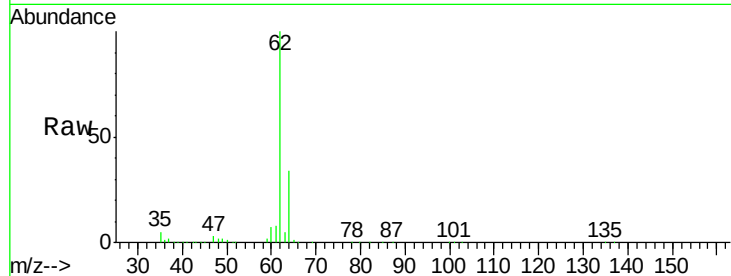
64 33.8 27.4 41.2

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

600000

500000

400000

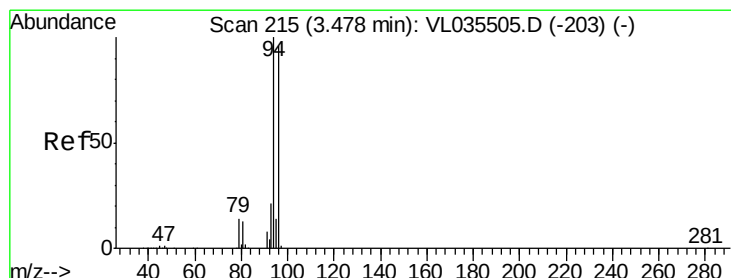
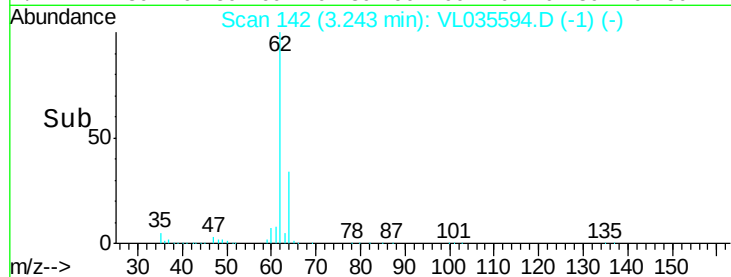
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 9.427 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.02 min

Lab File: VL035594.D

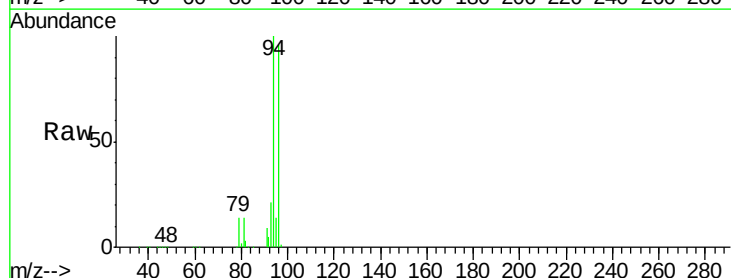
Acq: 11 Sep 2020 8:47

Tgt Ion: 94 Resp: 624755

Ion Ratio Lower Upper

94 100

96 96.0 77.1 115.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

500000

400000

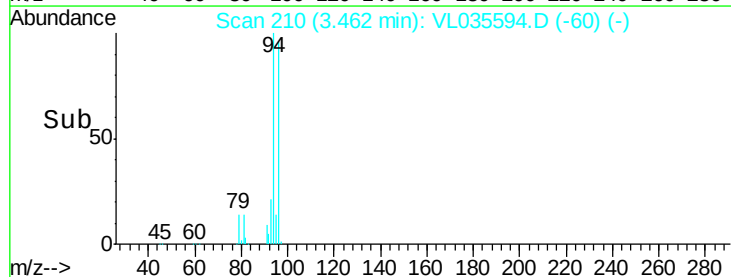
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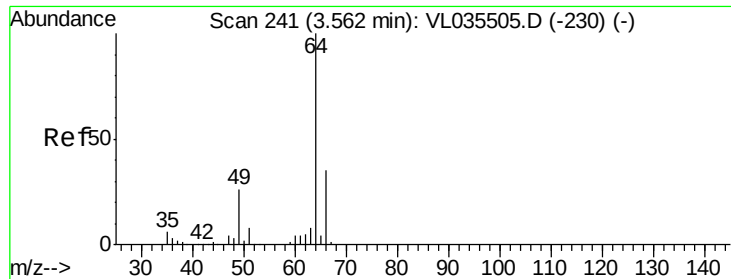
200000

100000

0

Time-->





#7

Chloroethane

Concen: 9.526 ppbv

RT: 3.55 min Scan# 236

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 265719

Ion Ratio Lower Upper

64 100

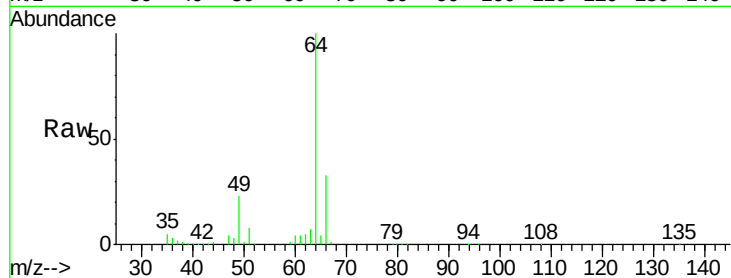
66 32.9 27.7 41.5

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

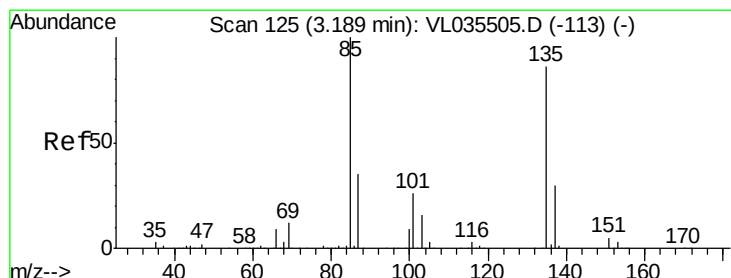
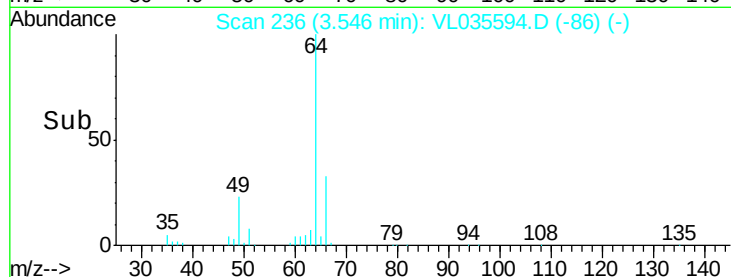
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100000

50000

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Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.161 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL035594.D

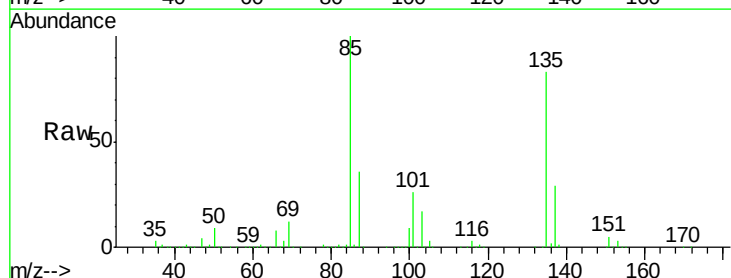
Acq: 11 Sep 2020 8:47

Tgt Ion: 85 Resp: 2076612

Ion Ratio Lower Upper

85 100

135 83.1 70.4 105.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

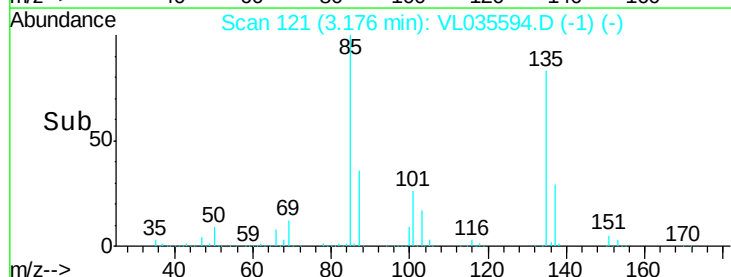
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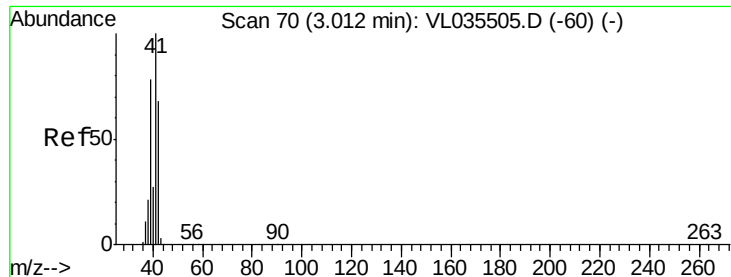
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Time-->





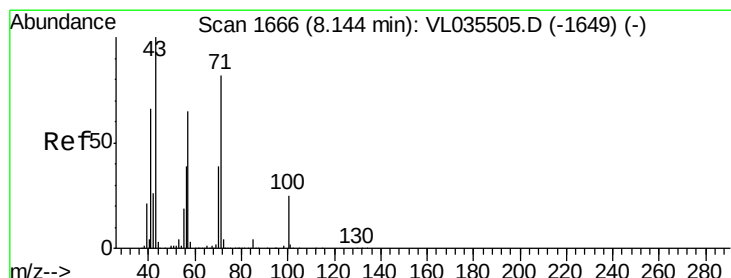
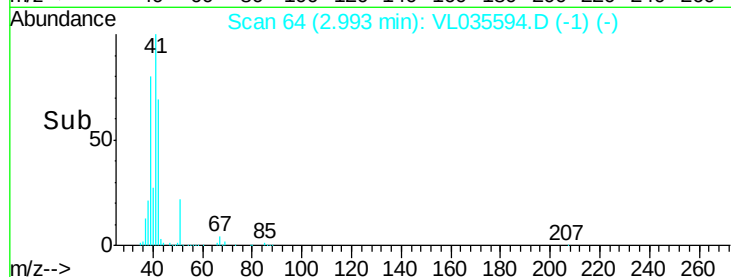
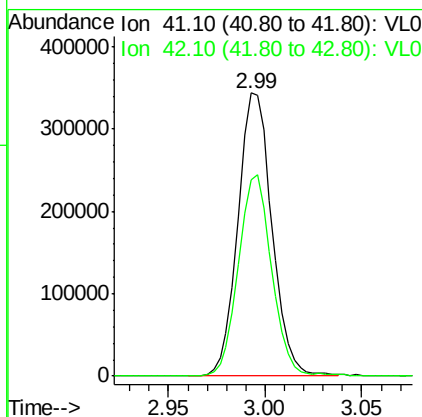
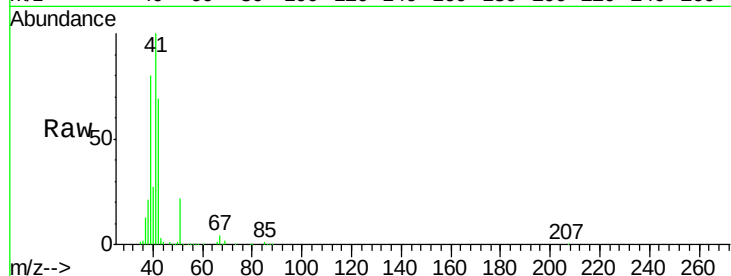
#9
 Propene
 Concen: 9.146 ppbv
 RT: 2.99 min Scan# 64
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 421189
 Ion Ratio Lower Upper
 41 100
 42 70.0 56.3 84.5

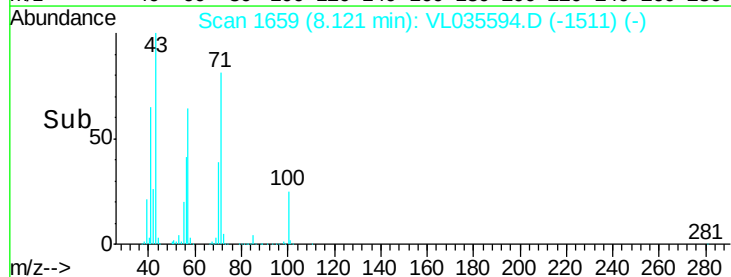
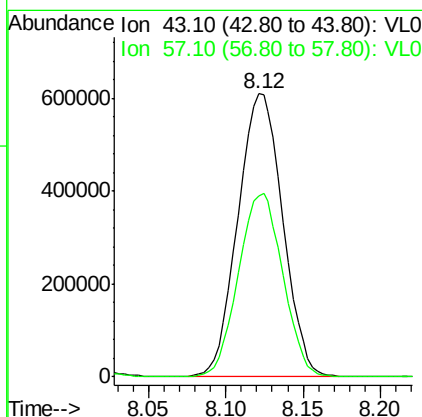
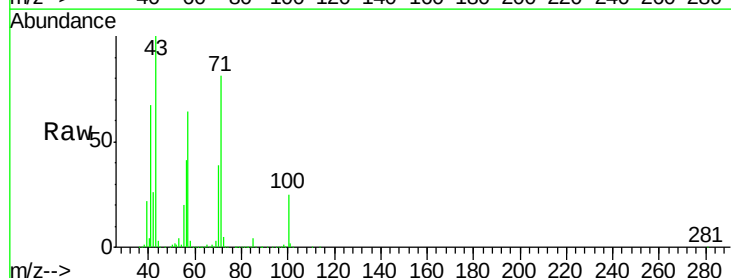
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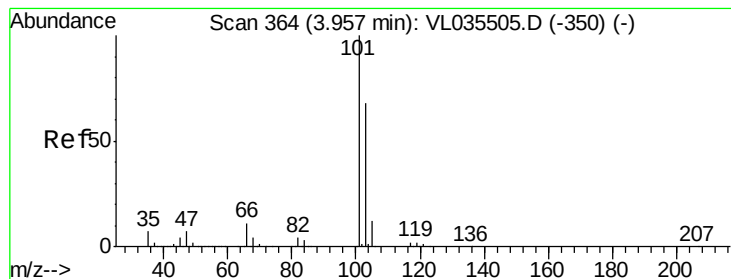
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#10
 Heptane
 Concen: 9.871 ppbv
 RT: 8.12 min Scan# 1659
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Tgt Ion: 43 Resp: 1220938
 Ion Ratio Lower Upper
 43 100
 57 64.7 51.4 77.0





#11

Trichlorofluoromethane

Concen: 9.104 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 2484868

Ion Ratio Lower Upper

101 100

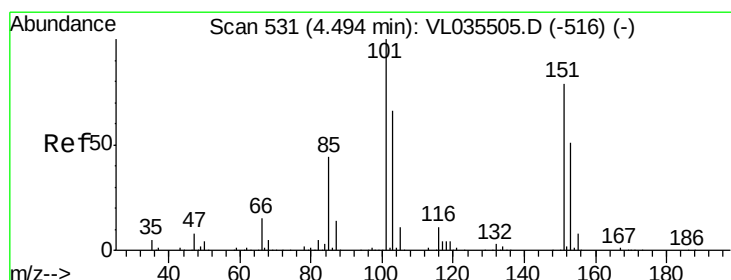
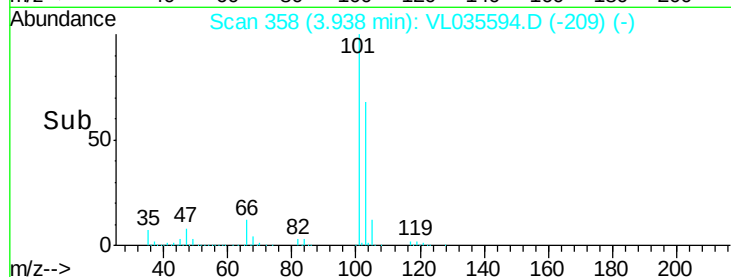
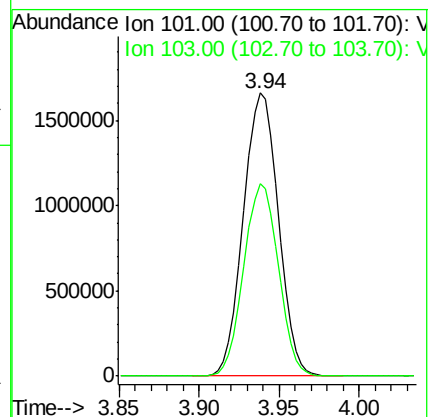
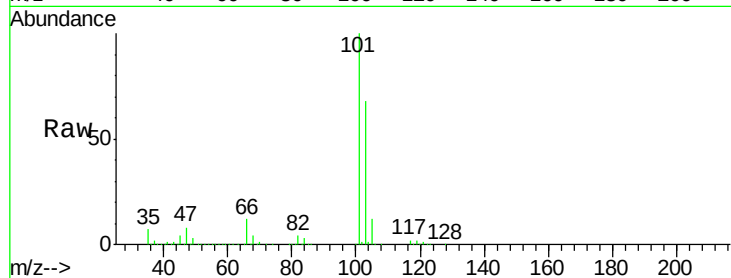
103 68.0 54.5 81.7

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.222 ppbv

RT: 4.47 min Scan# 525

Delta R.T. -0.02 min

Lab File: VL035594.D

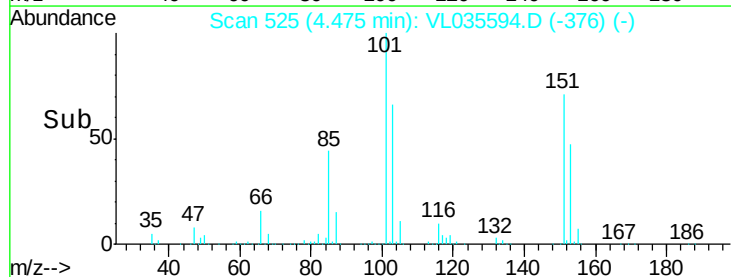
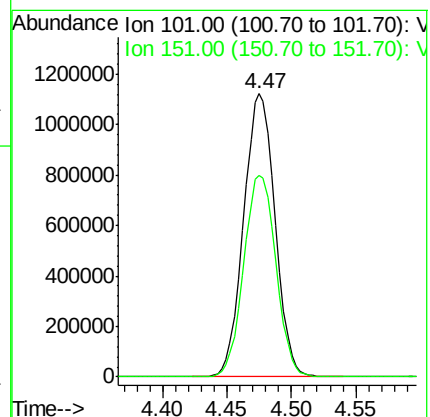
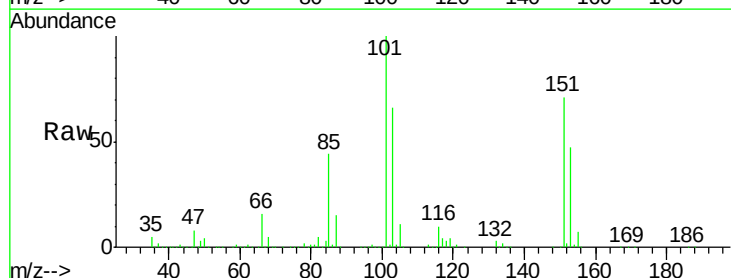
Acq: 11 Sep 2020 8:47

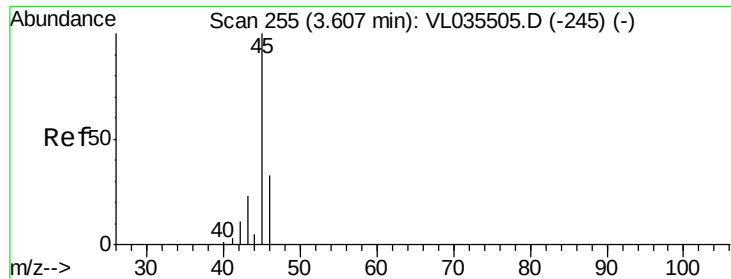
Tgt Ion:101 Resp: 1899724

Ion Ratio Lower Upper

101 100

151 73.1 63.5 95.3





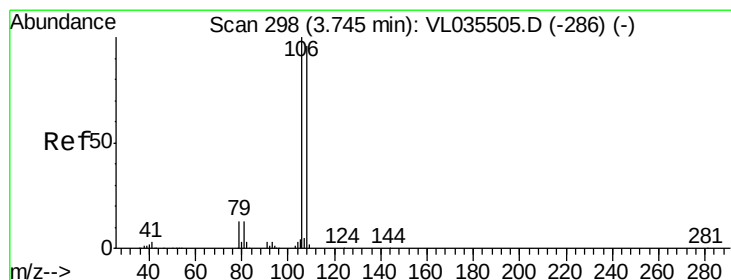
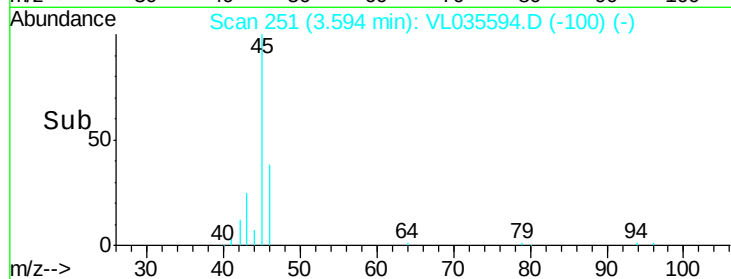
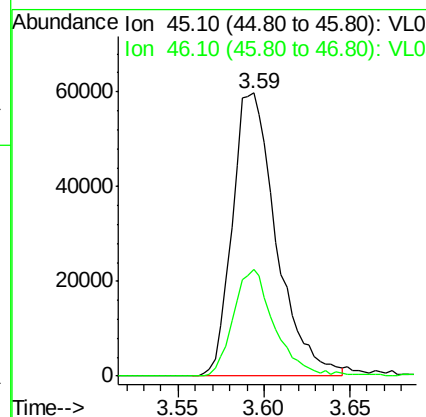
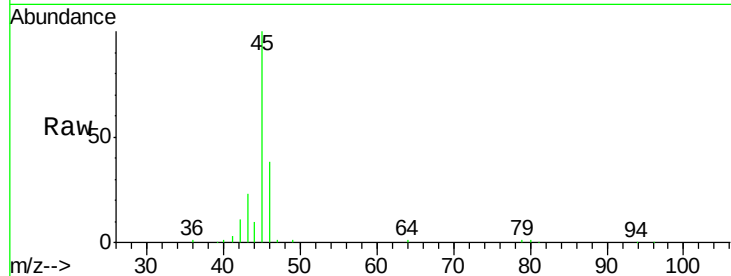
#13
Ethanol
Concen: 9.348 ppbv
RT: 3.59 min Scan# 251
Delta R.T. -0.01 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 45 Resp: 106726
Ion Ratio Lower Upper
45 100
46 36.6 15.2 60.6

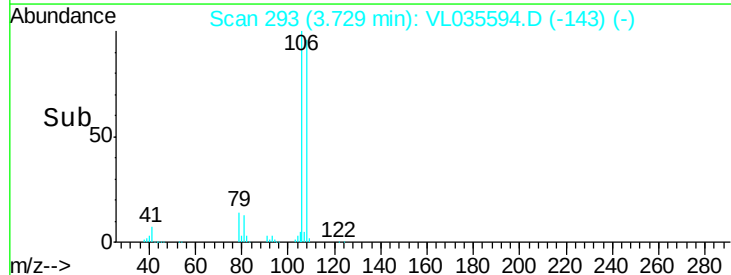
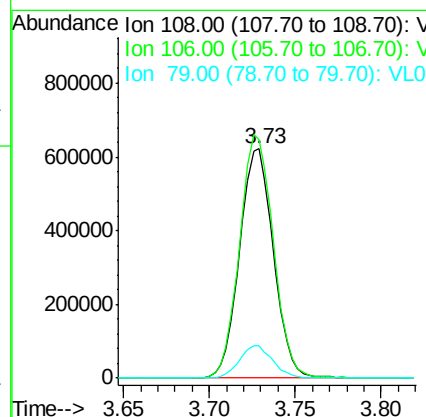
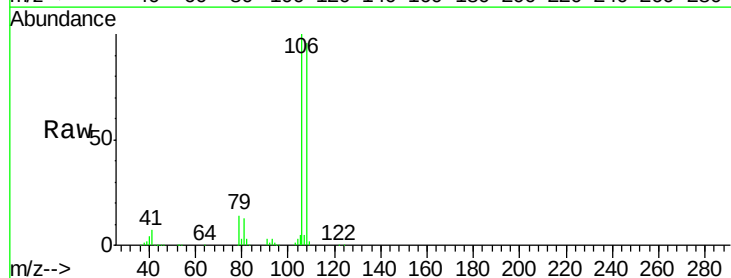
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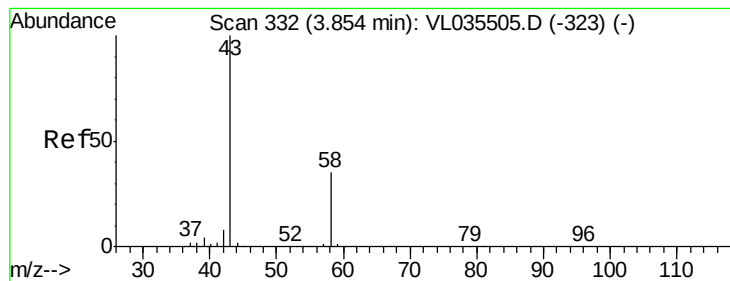
MMDadoda
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#14
Bromoethene
Concen: 9.612 ppbv
RT: 3.73 min Scan# 293
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion: 108 Resp: 852305
Ion Ratio Lower Upper
108 100
106 106.3 84.9 127.3
79 14.2 10.8 16.2





#15

Acetone

Concen: 7.965 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 43 Resp: 948740

Ion Ratio Lower Upper

43 100

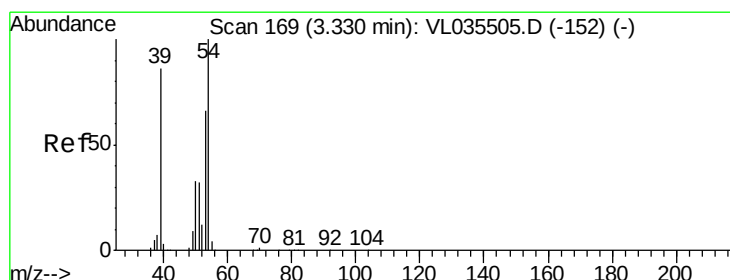
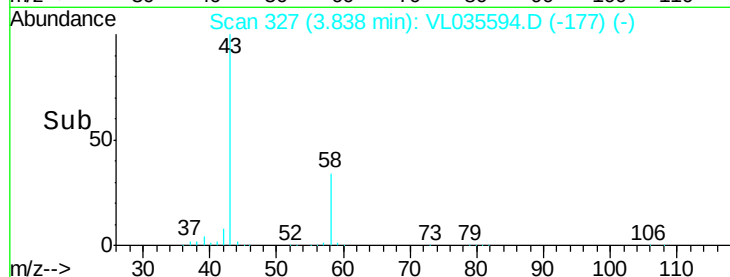
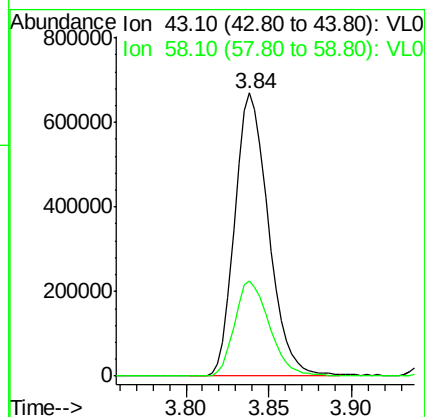
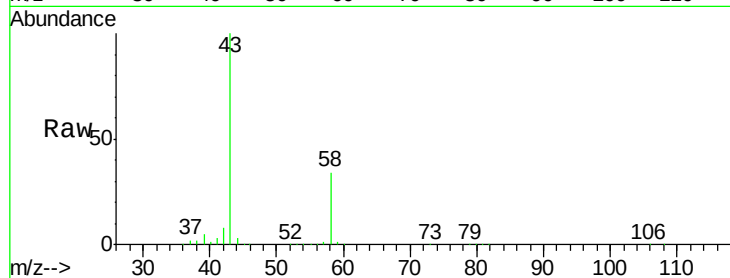
58 34.8 28.4 42.6

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#16

1,3-Butadiene

Concen: 9.896 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL035594.D

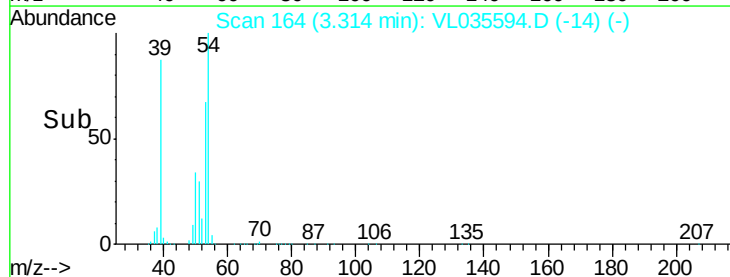
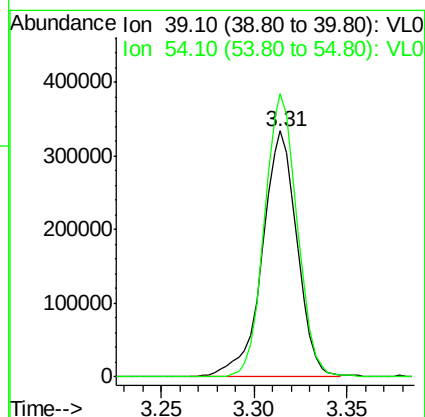
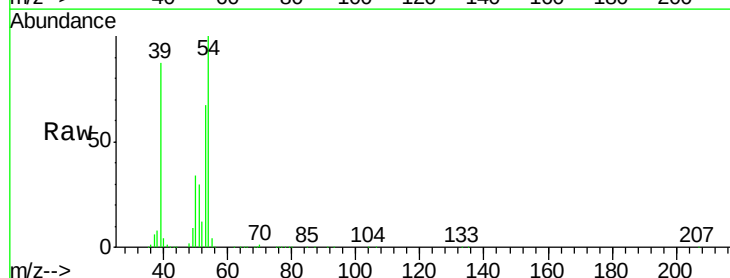
Acq: 11 Sep 2020 8:47

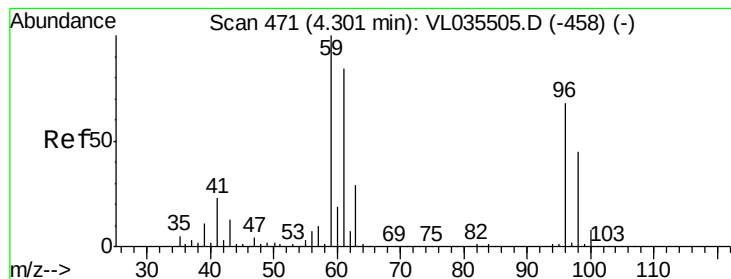
Tgt Ion: 39 Resp: 438792

Ion Ratio Lower Upper

39 100

54 108.5 88.4 132.6





#17

tert-Butyl alcohol

Concen: 9.769 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Tot Ion: 59 Resp: 1416402

Ion Ratio Lower Upper

59 100

57 10.6 8.4 12.6

Instrument :

MSVOA_L

ClientSampleId :

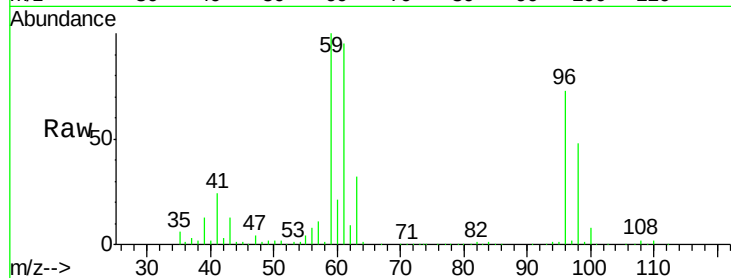
VSTDCCC010EC

Manual Integrations

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Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

4.28

800000

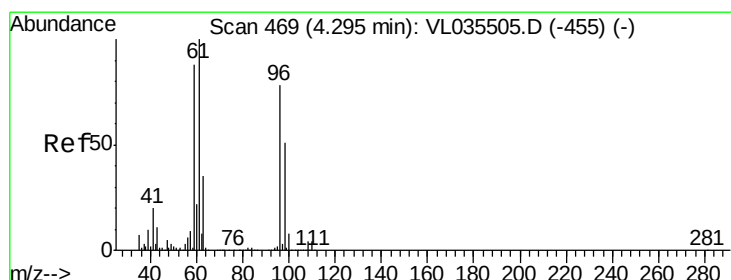
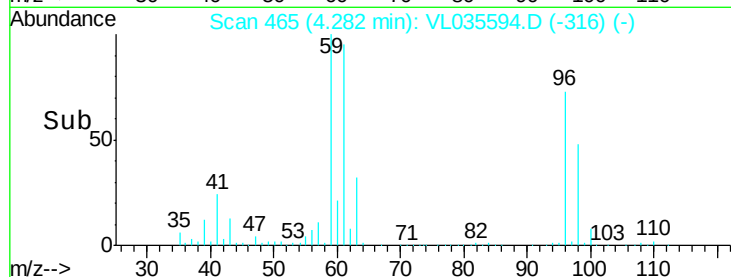
600000

400000

200000

0

Time-->



#18

1,1-Dichloroethene

Concen: 9.715 ppbv

RT: 4.28 min Scan# 464

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

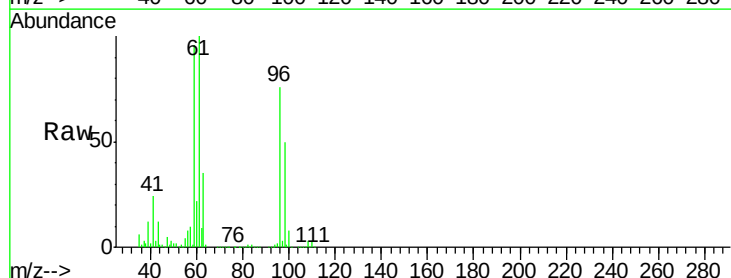
Tgt Ion: 96 Resp: 881293

Ion Ratio Lower Upper

96 100

61 131.4 103.0 154.6

98 65.1 52.8 79.2



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

4.28

1000000

800000

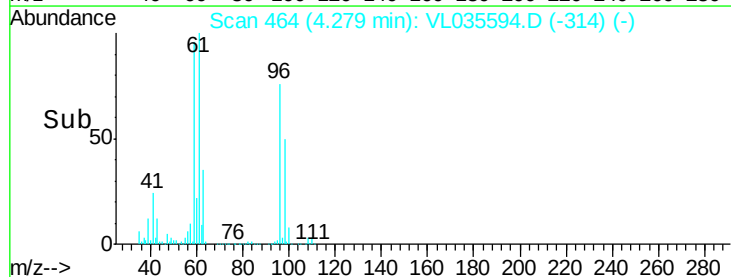
600000

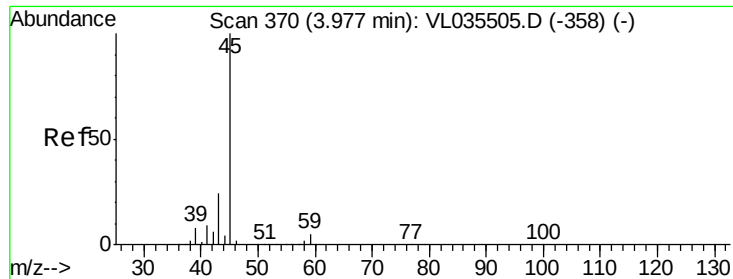
400000

200000

0

Time-->





#19

Isopropyl Alcohol

Concen: 10.335 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 734414

Ion Ratio Lower Upper

45 100

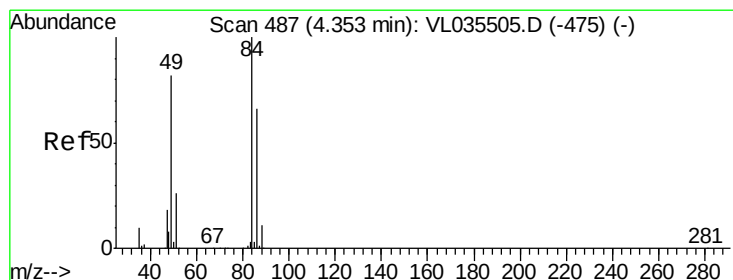
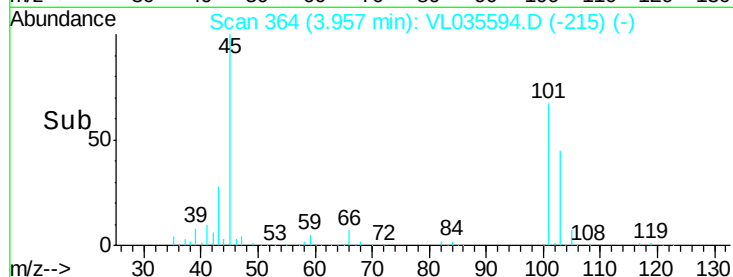
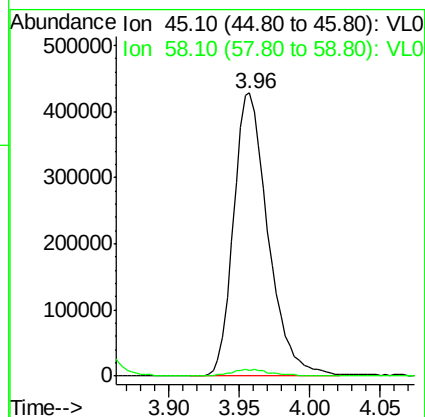
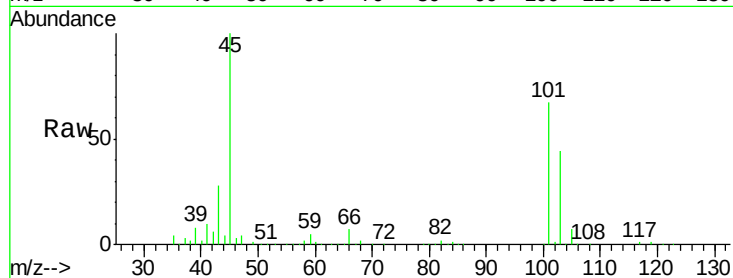
58 2.8 2.0 3.0

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#20

Methylene Chloride

Concen: 8.082 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Tgt Ion: 84 Resp: 717015

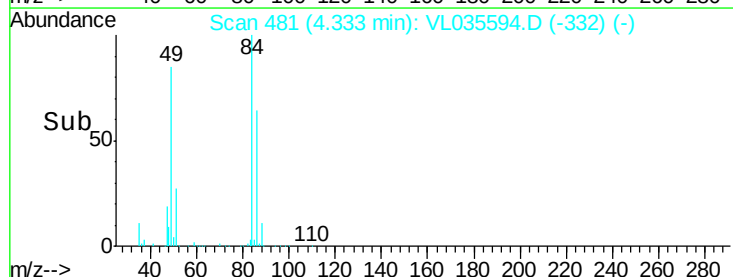
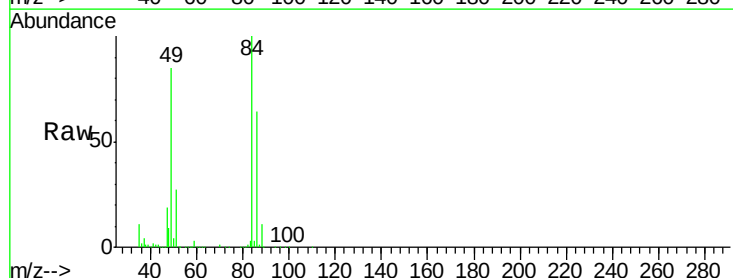
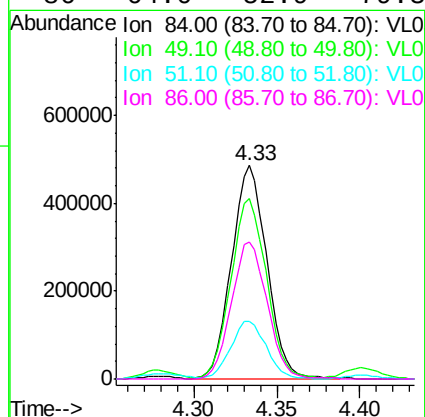
Ion Ratio Lower Upper

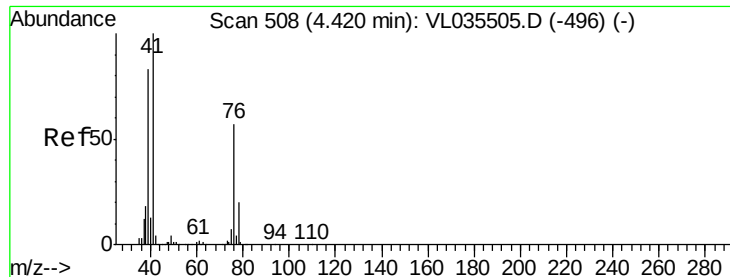
84 100

49 84.0 65.4 98.0

51 26.4 21.5 32.3

86 64.0 52.9 79.3





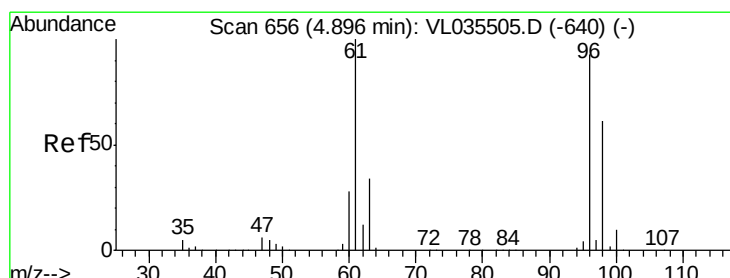
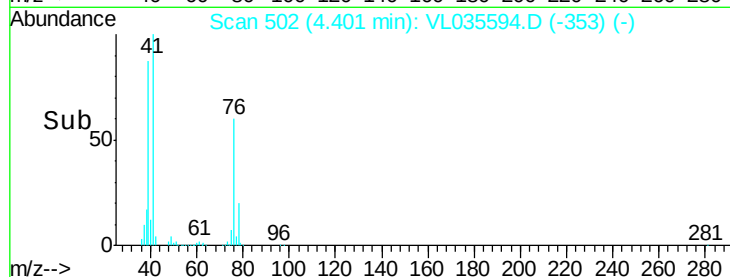
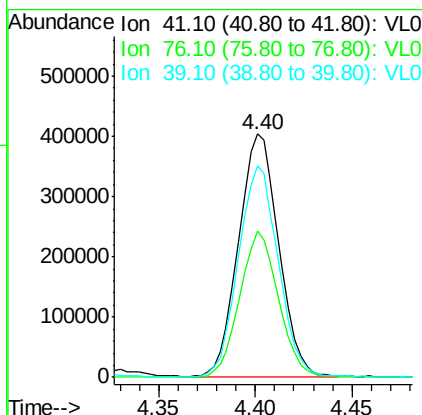
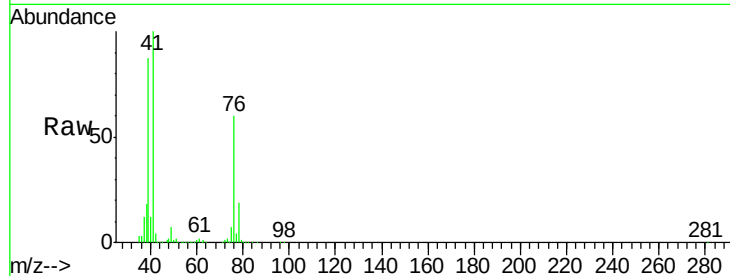
#21
Allvl Chloride
Concen: 10.448 ppbv
RT: 4.40 min Scan# 502
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
41	100		
76	58.0	46.2	69.2
39	86.5	67.8	101.6

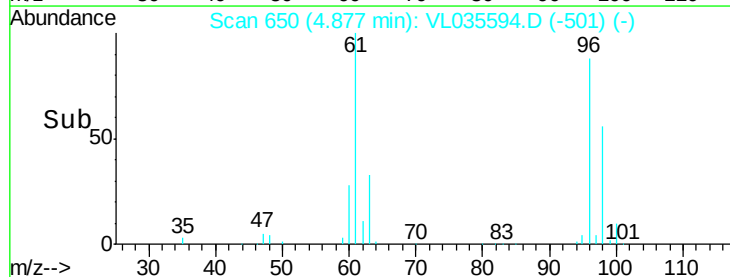
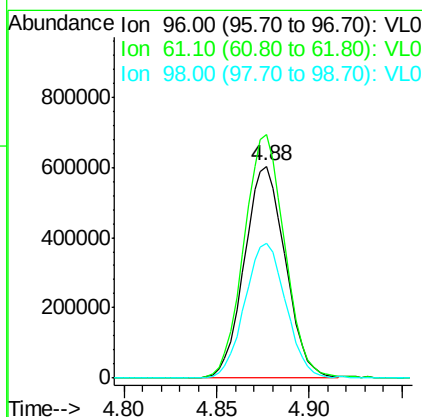
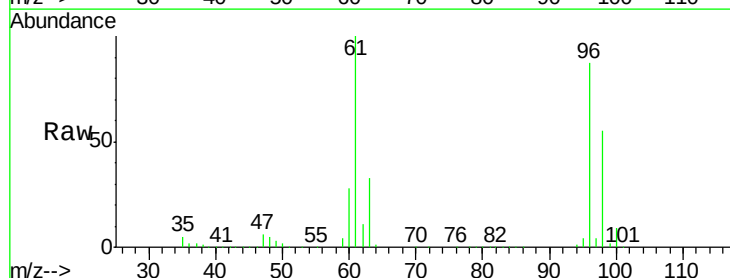
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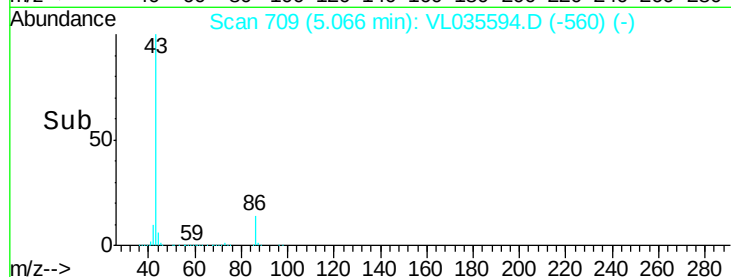
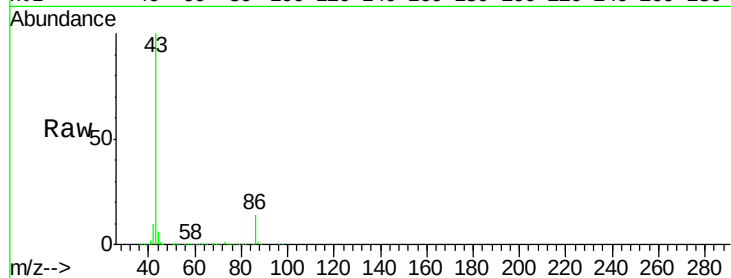
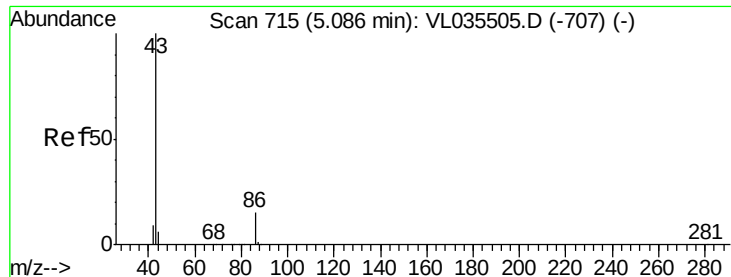
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.573 ppbv
RT: 4.88 min Scan# 650
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

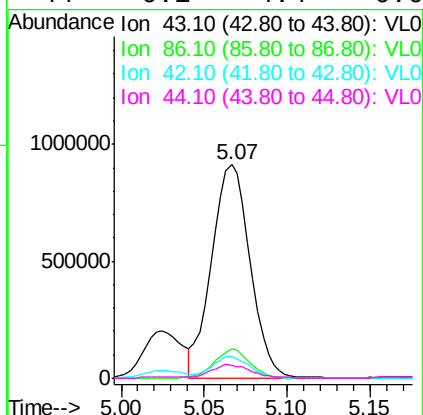
Tgt Ion	Ratio	Lower	Upper
96	100		
61	114.8	86.0	129.0
98	63.5	52.3	78.5





#23
 Vinyl Acetate
 Concen: 9.614 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

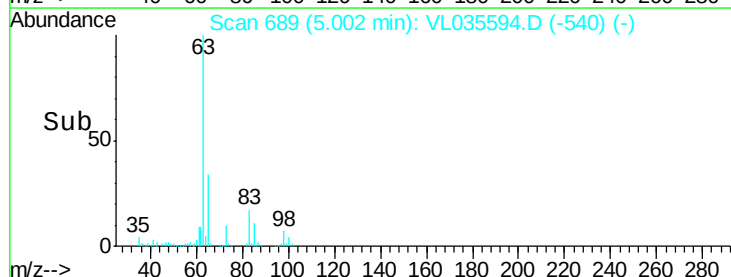
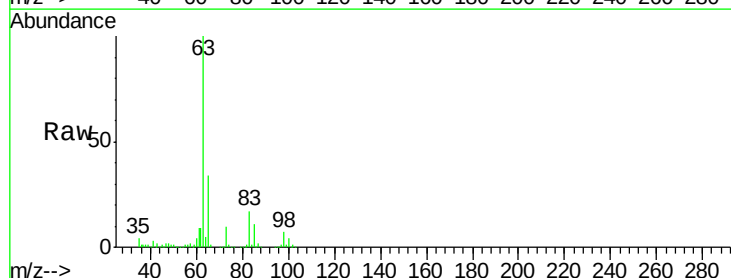
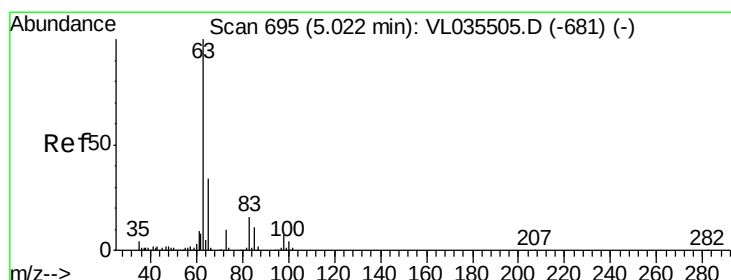
Tot Ion	43	Resp	1469815
Ion	Ratio	Lower	Upper
43	100		
86	13.6	10.6	16.0
42	9.9	7.5	11.3
44	6.1	4.4	6.6



Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

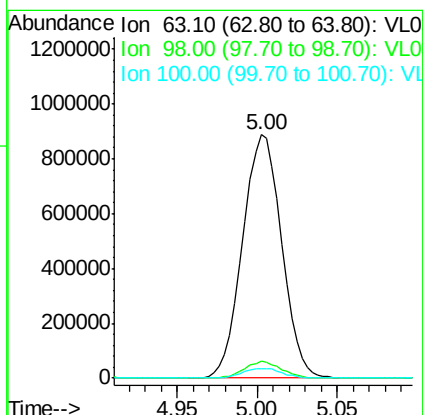
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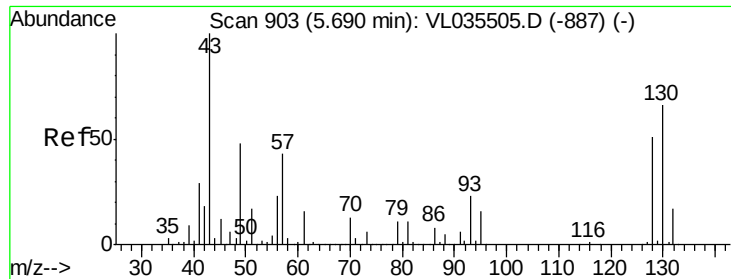
MMDadoda
 9/11/2020 2:03:13 PM



#24
 1,1-Dichloroethane
 Concen: 9.370 ppbv
 RT: 5.00 min Scan# 689
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Tgt Ion	63	Resp	1474268
Ion	Ratio	Lower	Upper
63	100		
98	6.8	3.4	10.1
100	4.0	2.1	6.5





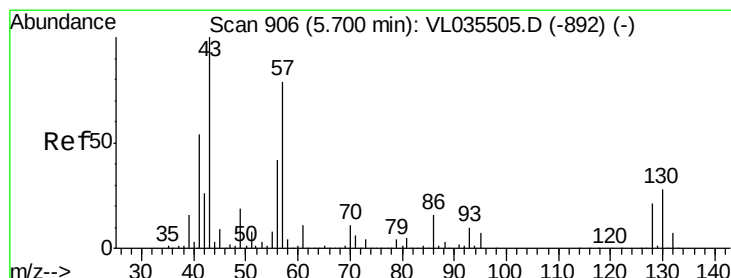
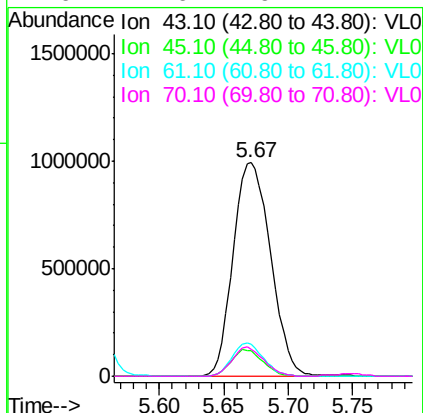
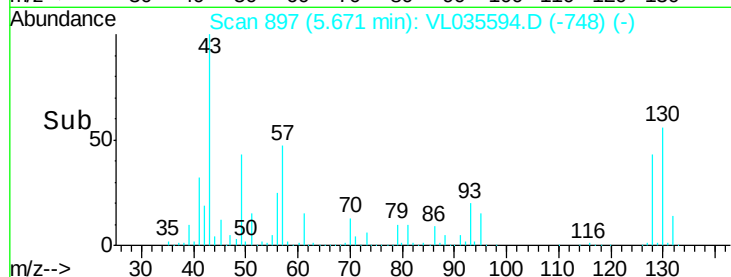
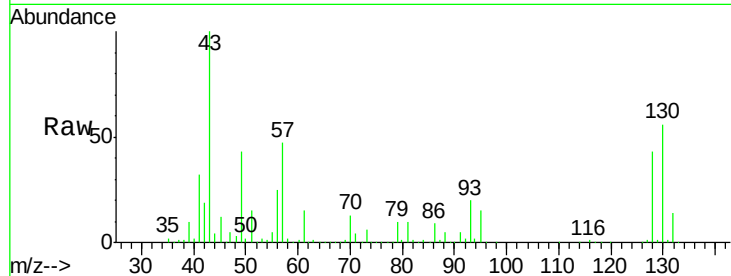
#25
Ethyl Acetate
Concen: 9.542 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	2007919
Ion	Ratio	Lower	Upper
43	100		
45	10.7	8.4	12.6
61	13.2	10.6	16.0
70	11.6	9.4	14.2

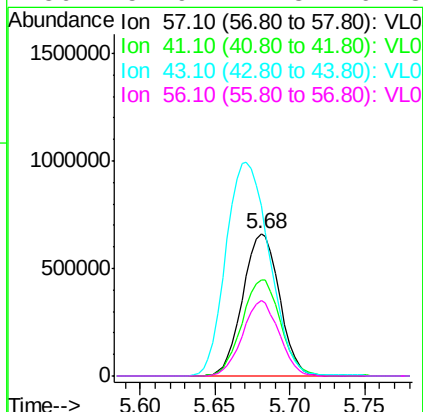
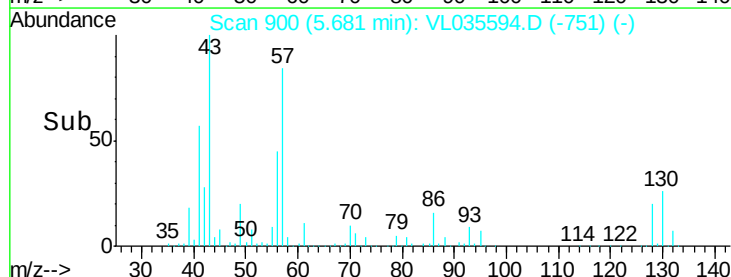
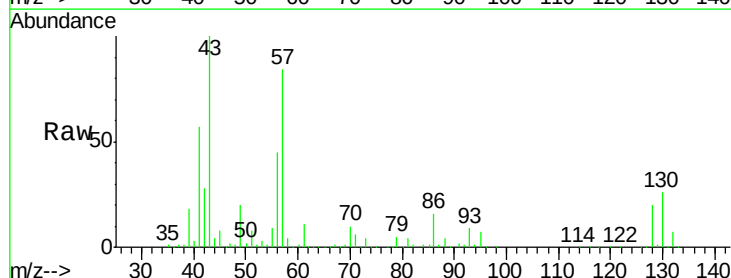
Manual Integrations
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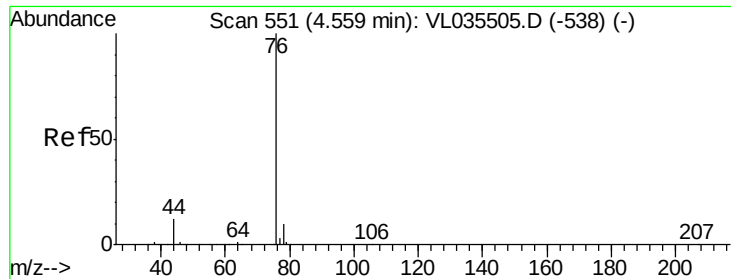
MMDadoda
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#26
Hexane
Concen: 9.492 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion	57	Resp	1131717
Ion	Ratio	Lower	Upper
57	100		
41	71.3	55.9	83.9
43	178.5	141.8	212.8
56	52.9	41.8	62.8





#27

Carbon Disulfide

Concen: 11.329 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1938411

Ion Ratio Lower Upper

76 100

44 11.4 9.3 13.9

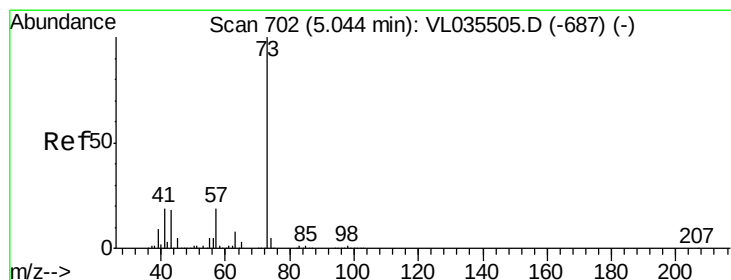
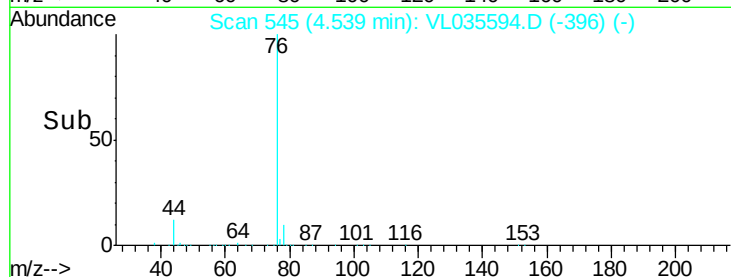
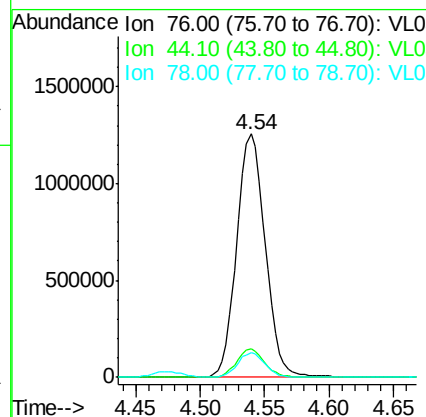
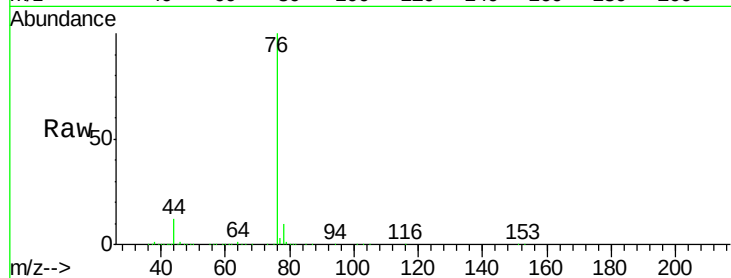
78 9.8 7.8 11.6

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 9.371 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL035594.D

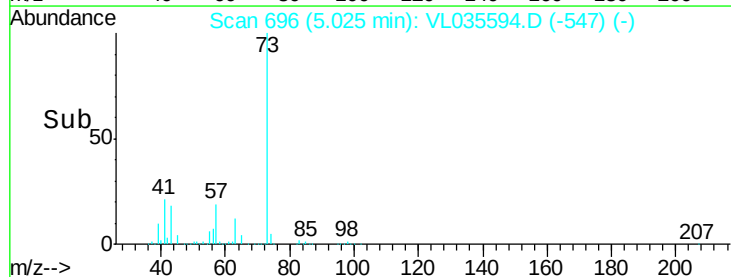
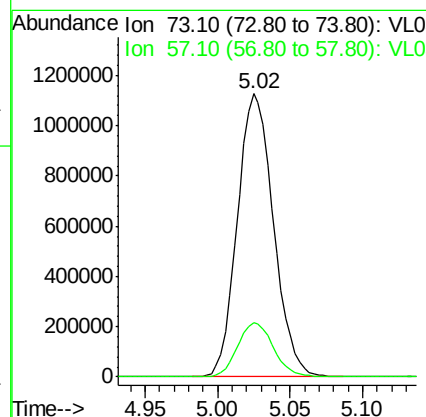
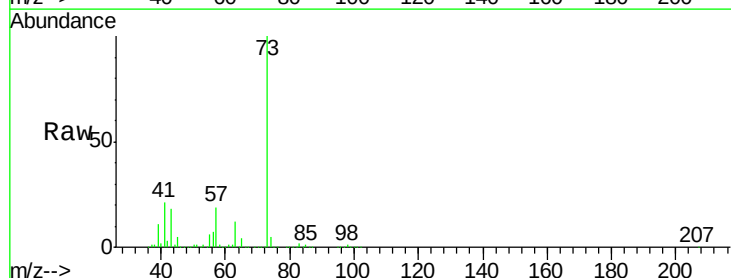
Acq: 11 Sep 2020 8:47

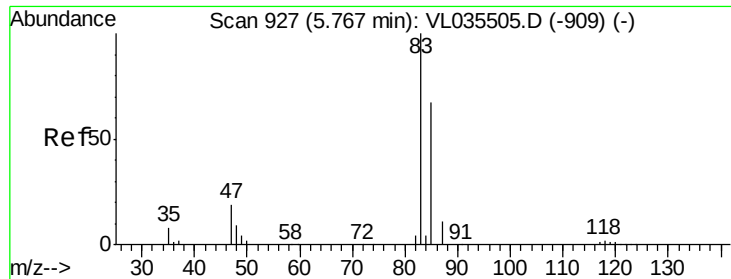
Tgt Ion: 73 Resp: 1947315

Ion Ratio Lower Upper

73 100

57 19.1 15.2 22.8





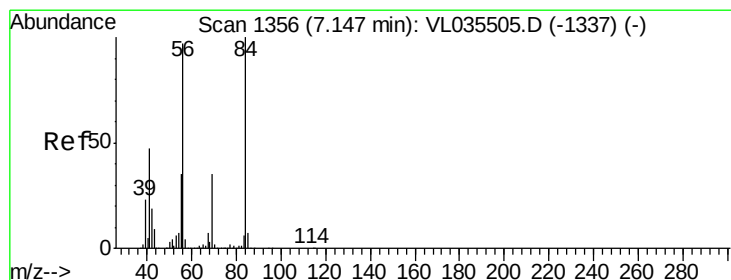
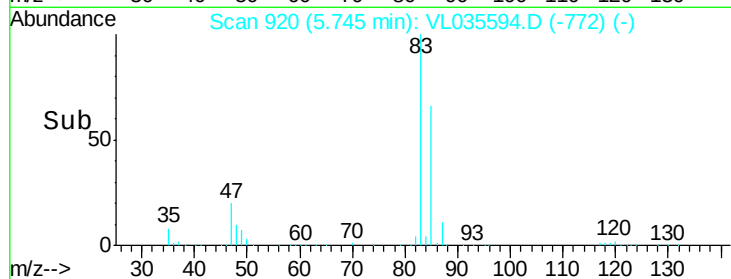
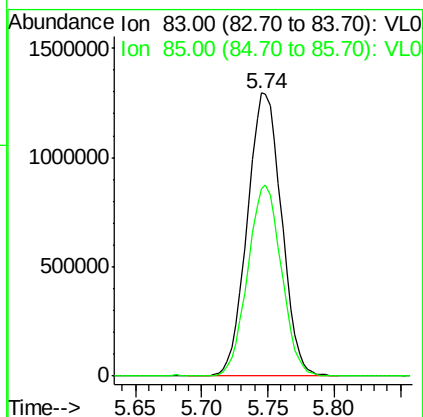
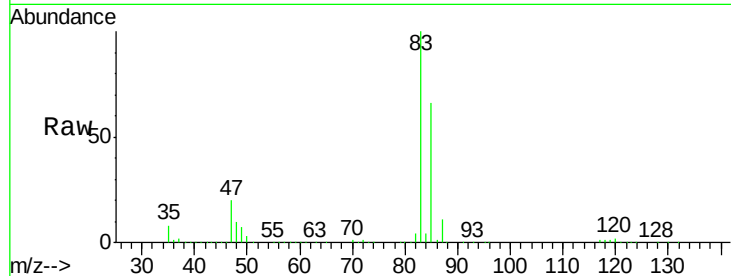
#29
Chloroform
Concen: 9.589 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2329586
Ion Ratio Lower Upper
83 100
85 65.9 53.9 80.9

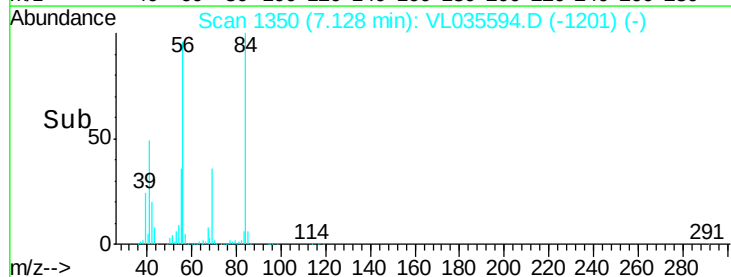
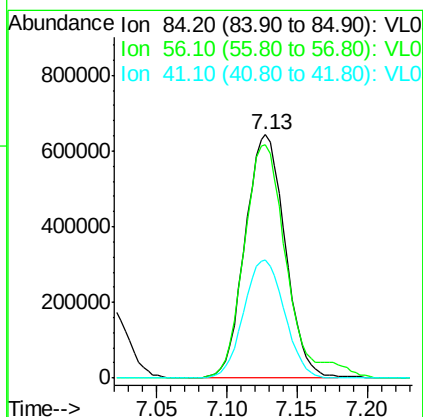
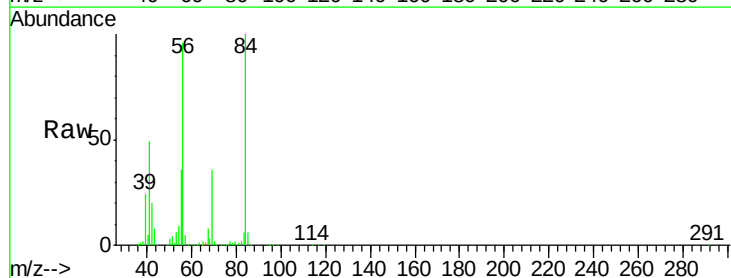
Manual Integrations
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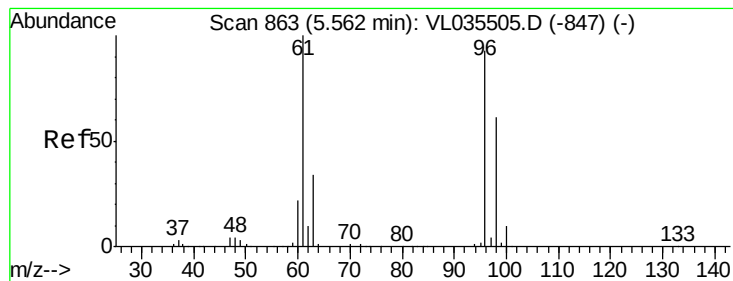
MMDadoda
9/11/2020 2:03:13 PM



#30
Cyclohexane
Concen: 9.991 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion: 84 Resp: 1276096
Ion Ratio Lower Upper
84 100
56 102.1 80.1 120.1
41 49.7 38.1 57.1





#31

cis-1,2-Dichloroethene

Concen: 9.906 ppbv

RT: 5.54 min Scan# 857

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 61 Resp: 1211801

Ion Ratio Lower Upper

61 100

96 91.1 74.4 111.6

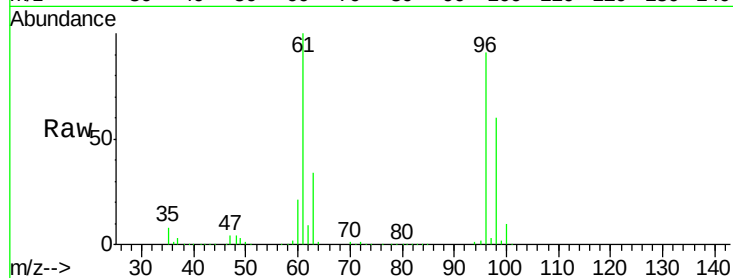
98 60.1 49.2 73.8

Manual Integrations

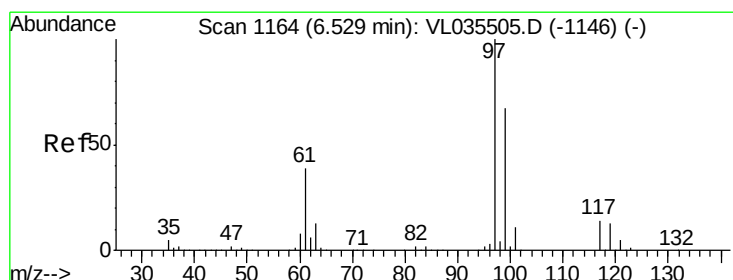
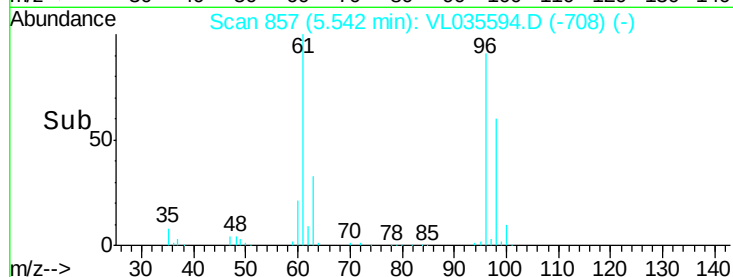
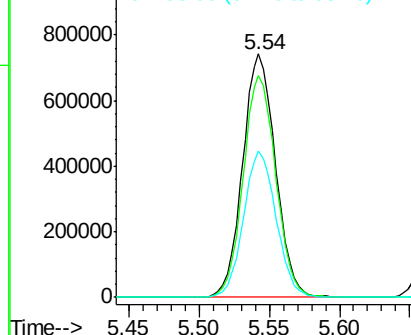
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Abundance Ion 61.10 (60.80 to 61.80): VL0
Ion 96.00 (95.70 to 96.70): VL0
Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.654 ppbv

RT: 6.51 min Scan# 1157

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

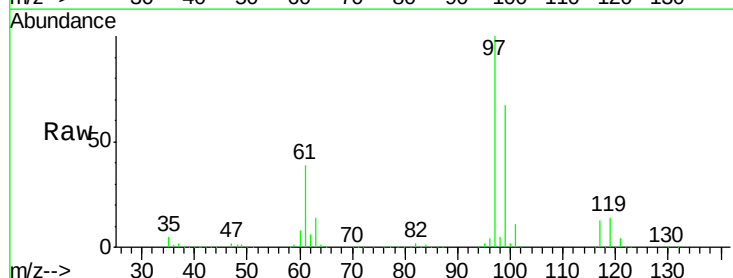
Tgt Ion: 97 Resp: 2275173

Ion Ratio Lower Upper

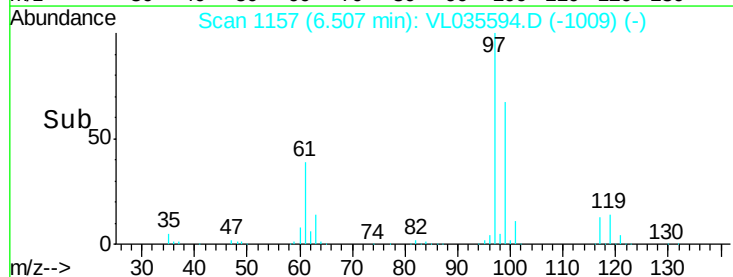
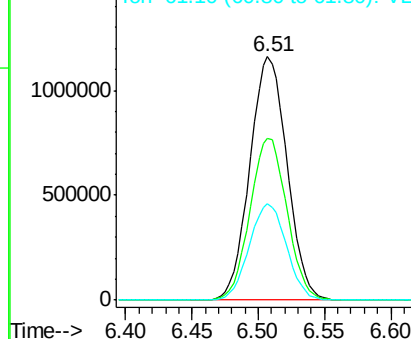
97 100

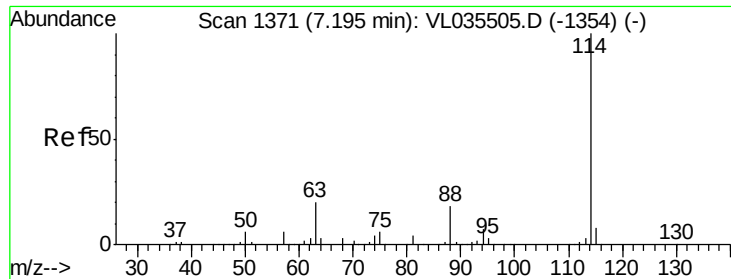
99 66.1 53.3 79.9

61 39.7 30.6 46.0



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





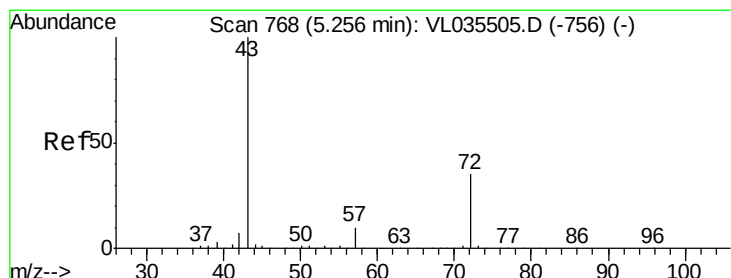
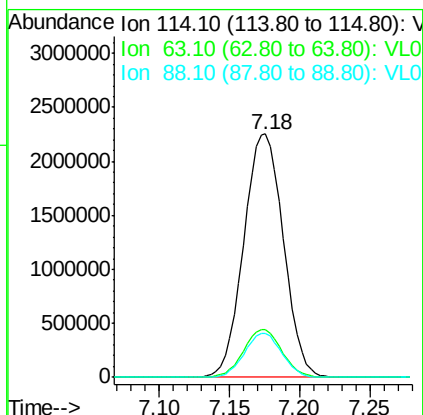
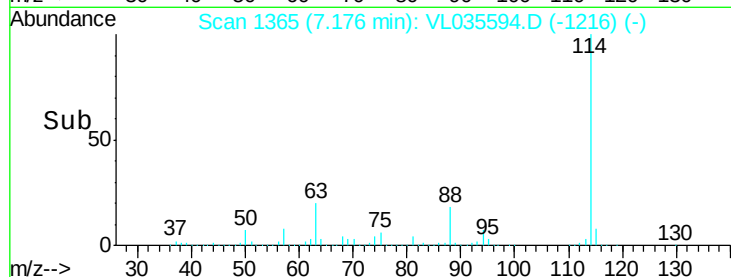
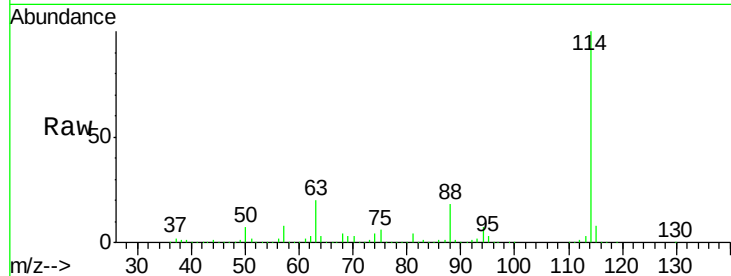
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4436039
 Ion Ratio Lower Upper
 114 100
 63 19.2 14.7 22.1
 88 17.2 13.4 20.2

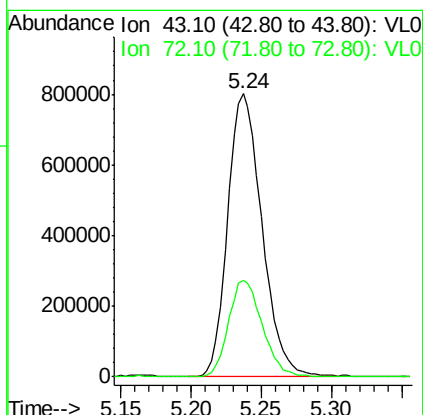
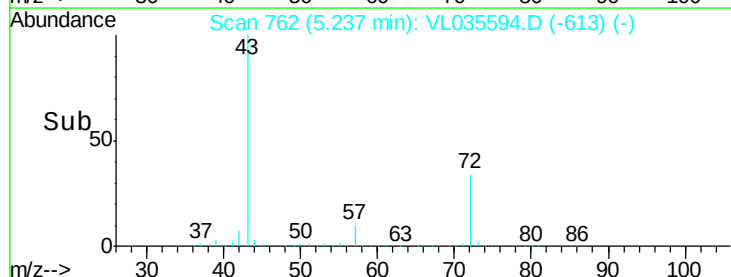
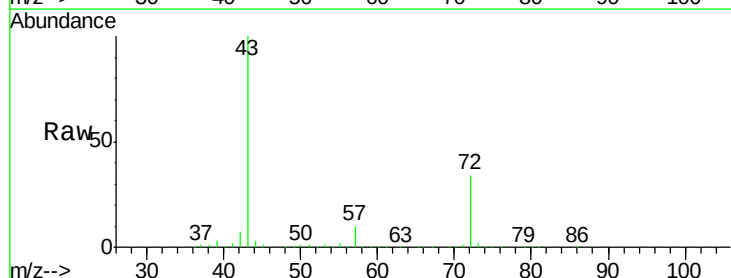
Manual Integrations
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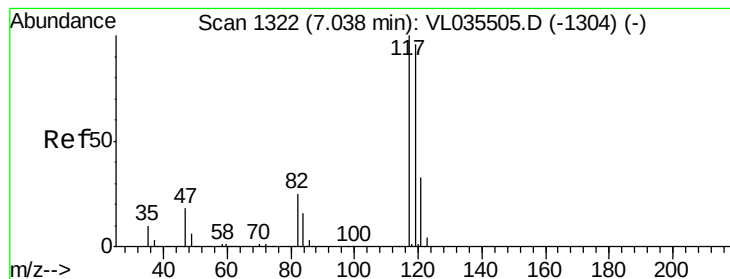
MMDadoda
 9/11/2020 2:03:13 PM



#34
 2-Butanone
 Concen: 10.337 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Tgt Ion: 43 Resp: 1360867
 Ion Ratio Lower Upper
 43 100
 72 33.9 27.7 41.5





#35

Carbon Tetrachloride

Concen: 10.750 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2396741

Ion Ratio Lower Upper

117 100

119 97.4 77.2 115.8

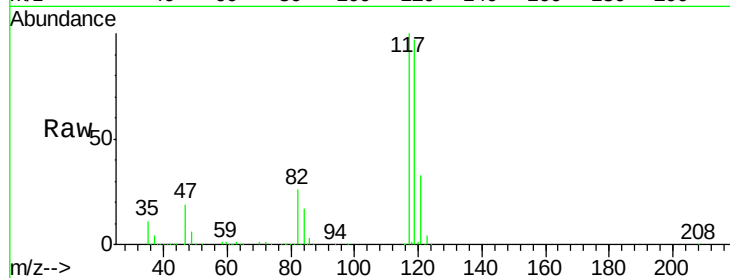
121 32.6 26.1 39.1

Manual Integrations

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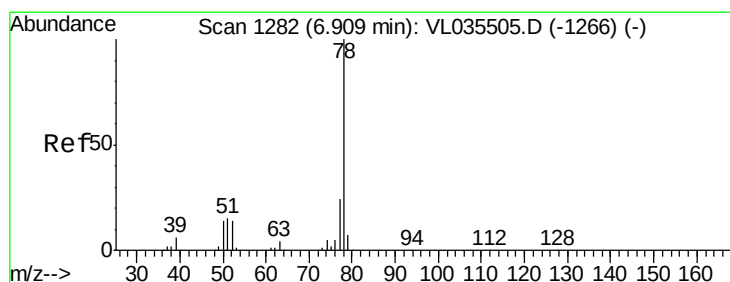
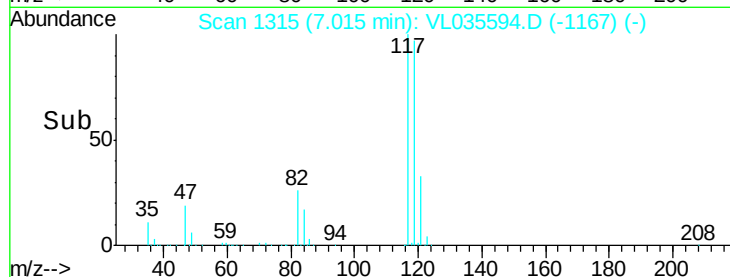
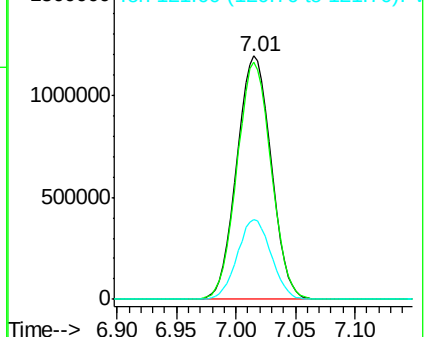
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Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.151 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

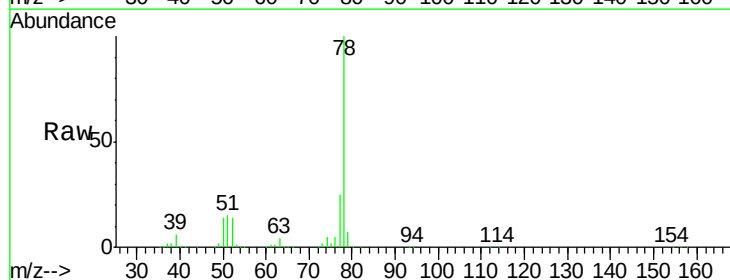
Tgt Ion: 78 Resp: 2914841

Ion Ratio Lower Upper

78 100

77 24.5 19.3 28.9

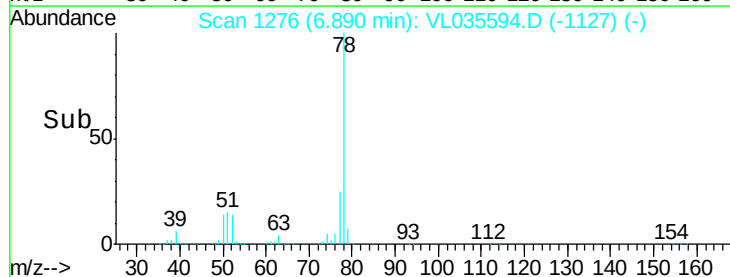
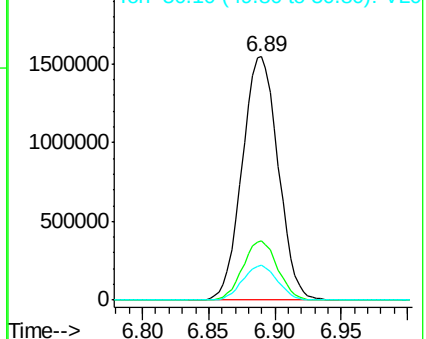
50 14.1 11.0 16.6

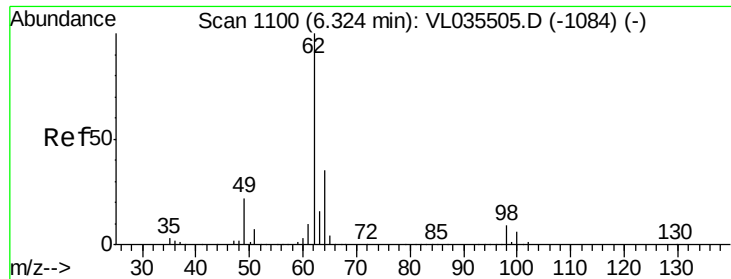


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





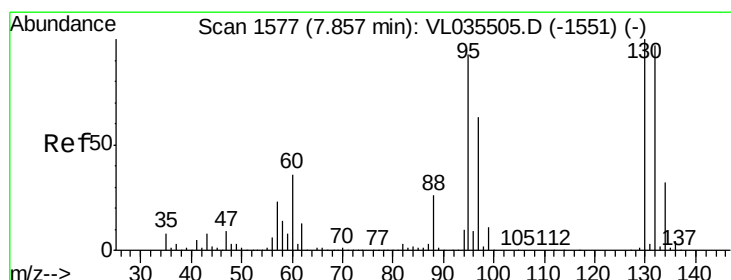
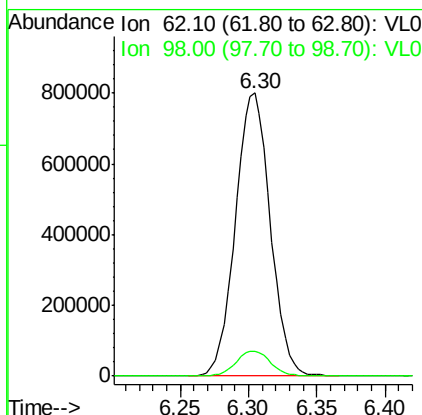
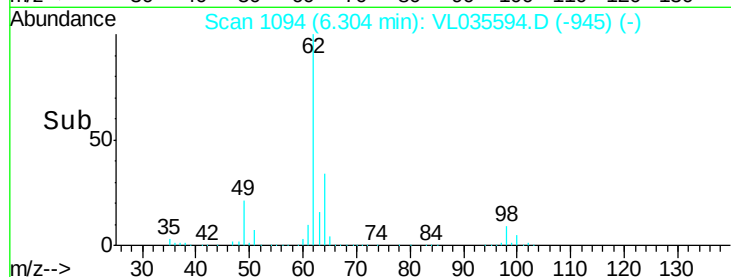
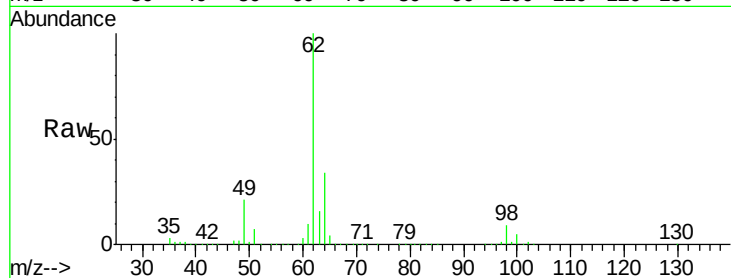
#37
 1,2-Dichloroethane
 Concen: 10.360 ppbv
 RT: 6.30 min Scan# 1094
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1418332
 Ion Ratio Lower Upper
 62 100
 98 8.8 7.4 11.0

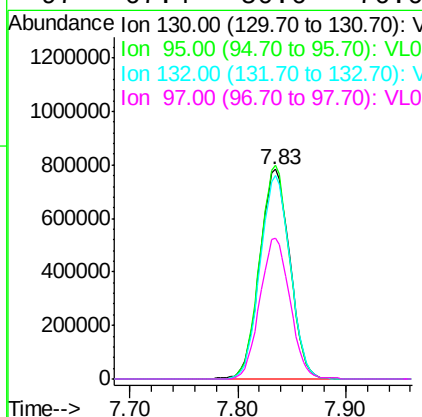
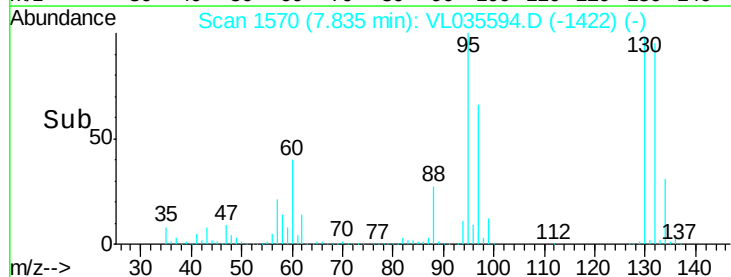
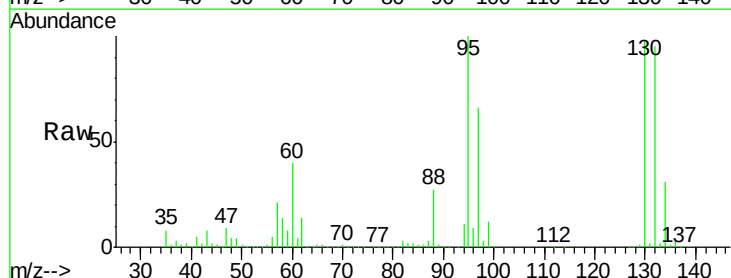
Manual Integrations
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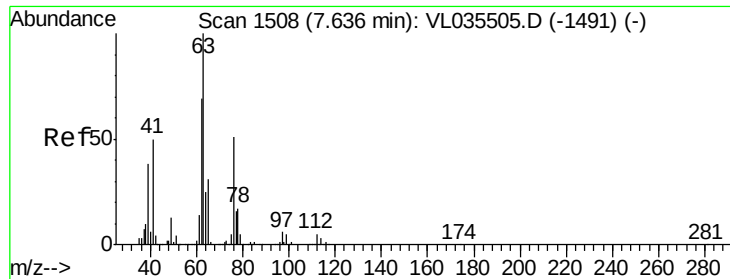
MMDadoda
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#38
 Trichloroethene
 Concen: 9.127 ppbv
 RT: 7.83 min Scan# 1570
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Tgt Ion: 130 Resp: 1522337
 Ion Ratio Lower Upper
 130 100
 95 102.0 74.6 112.0
 132 97.2 77.6 116.4
 97 67.4 50.6 76.0





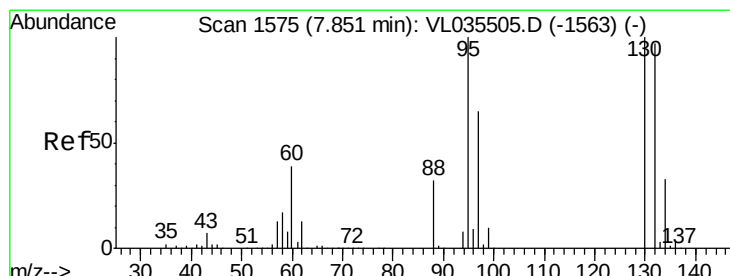
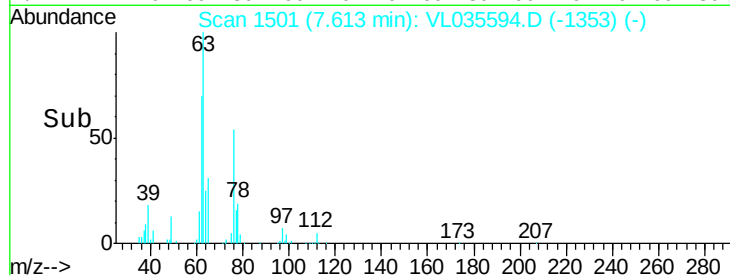
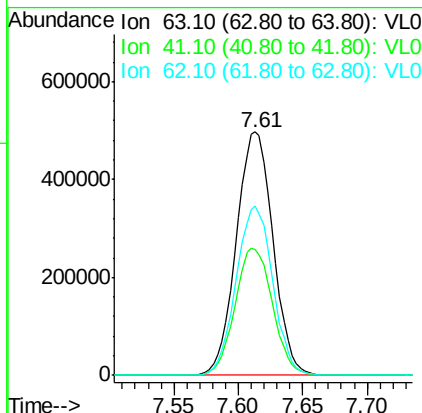
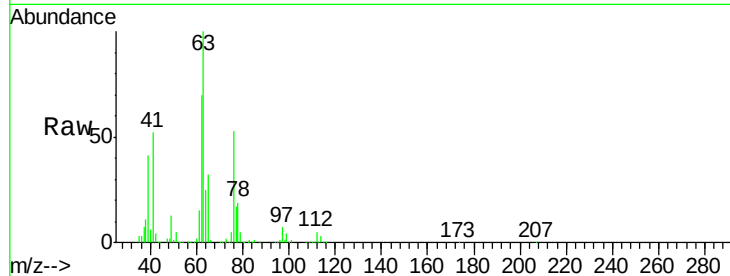
#39
 1,2-Dichloropropane
 Concen: 10.176 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	51.4	40.0	60.0
62	69.5	55.4	83.0

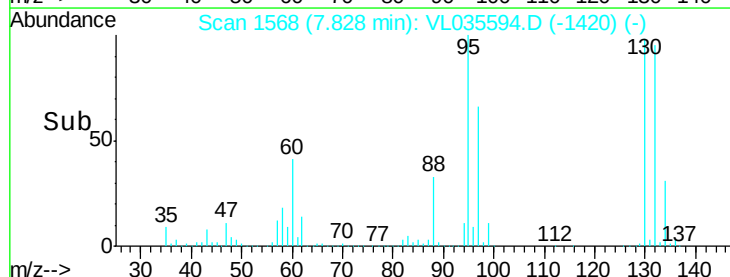
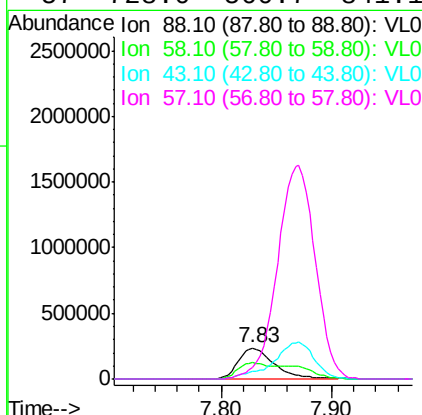
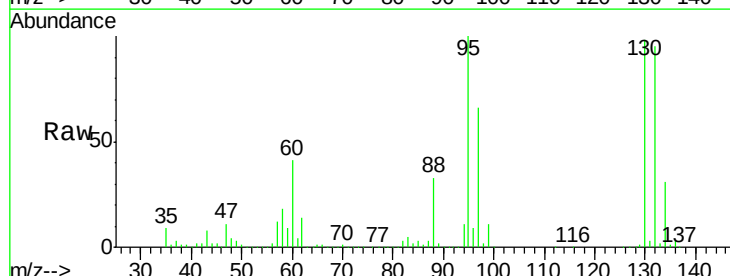
Manual Integrations
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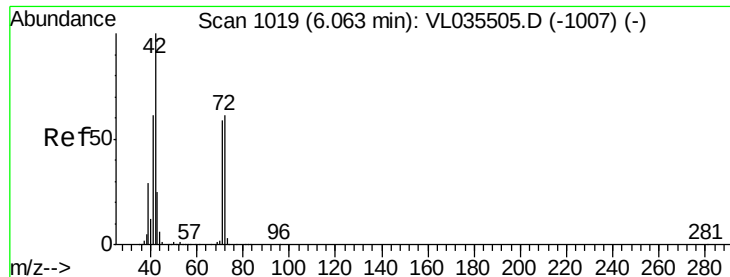
MMDadoda
 9/11/2020 2:03:13 PM



#40
 1,4-Dioxane
 Concen: 10.991 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Tgt Ion	Ratio	Lower	Upper
88	100		
58	88.8	68.7	103.1
43	135.5	104.3	156.5
57	728.0	560.7	841.1





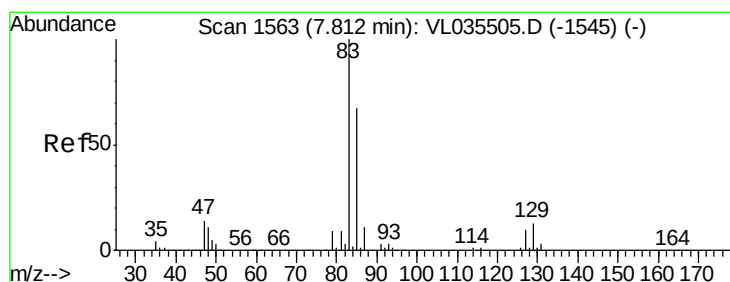
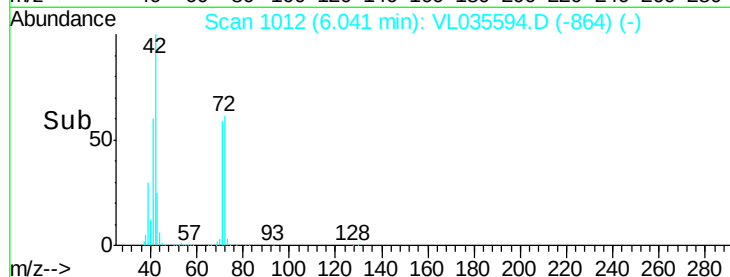
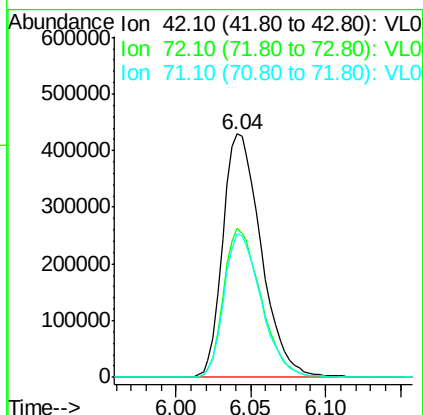
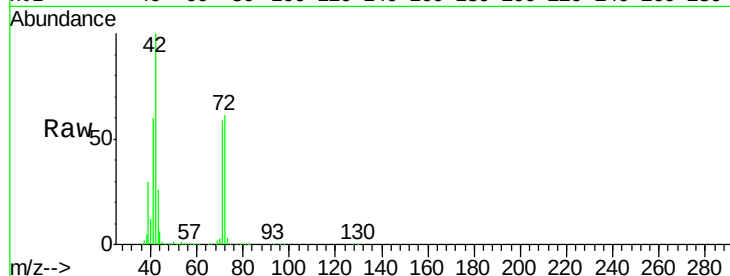
#41
Tetrahydrofuran
Concen: 10.989 ppbv
RT: 6.04 min Scan# 1012
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
42	100		
72	59.9	48.6	73.0
71	57.4	46.1	69.1

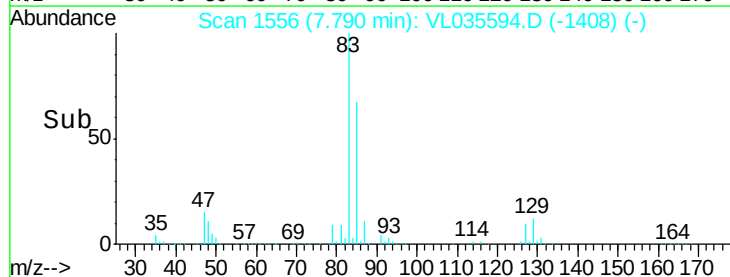
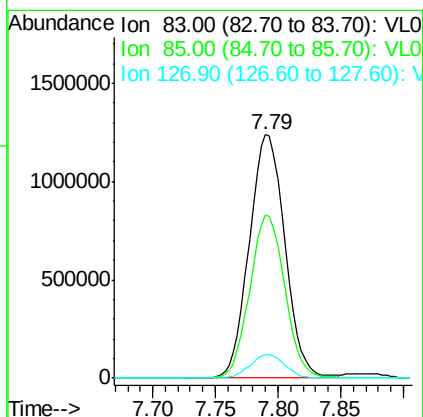
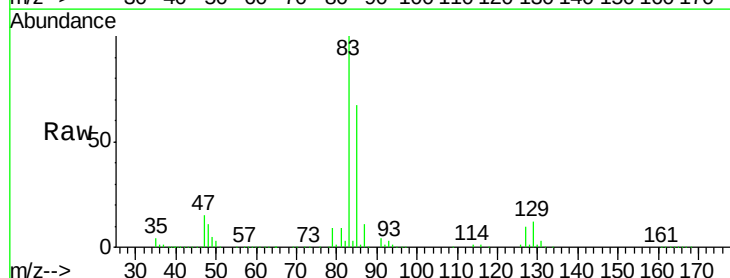
Manual Integrations
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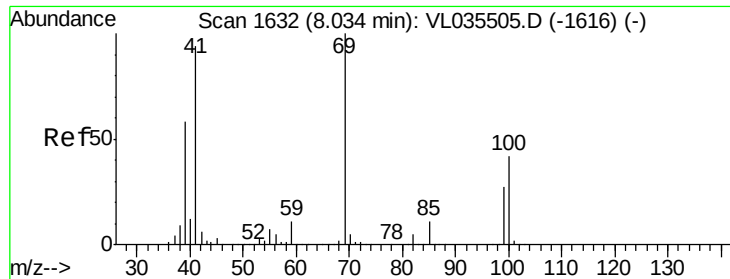
MMDadoda
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#42
Bromodichloromethane
Concen: 11.112 ppbv
RT: 7.79 min Scan# 1556
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.8	53.7	80.5
127	9.7	8.1	12.1





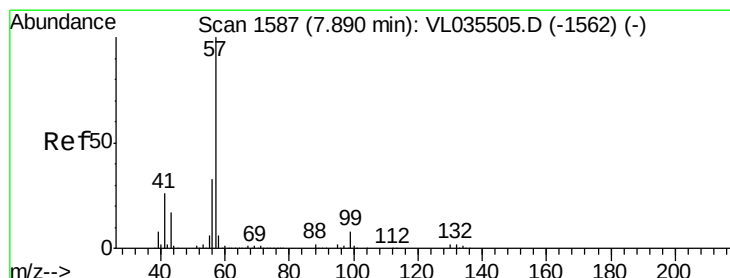
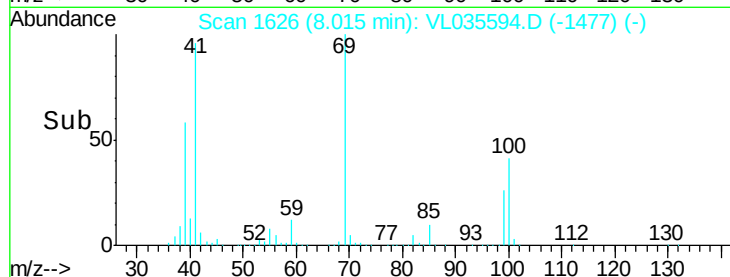
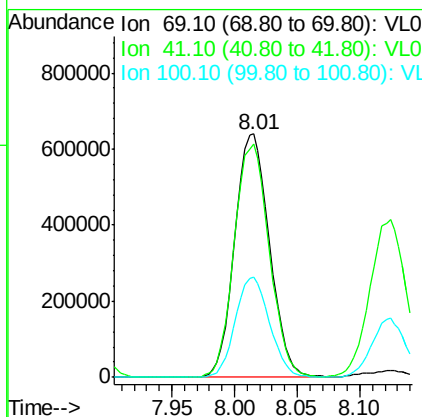
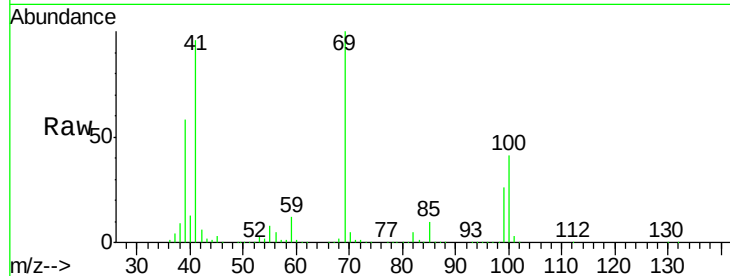
#43
Methyl Methacrylate
Concen: 11.109 ppbv
RT: 8.01 min Scan# 1626
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1233473
Ion Ratio Lower Upper
69 100
41 96.7 76.6 114.8
100 40.6 33.8 50.6

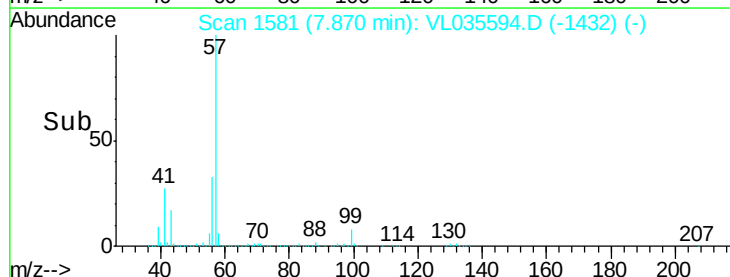
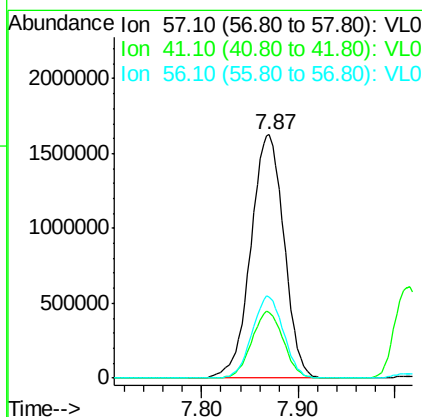
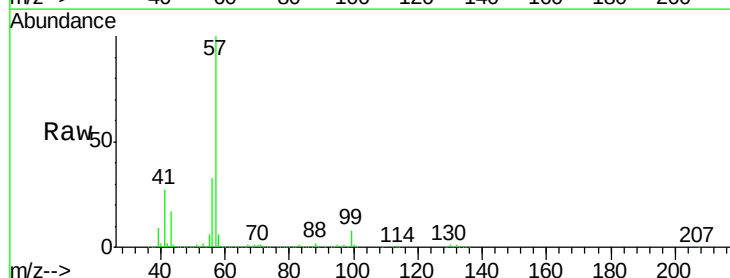
Manual Integrations
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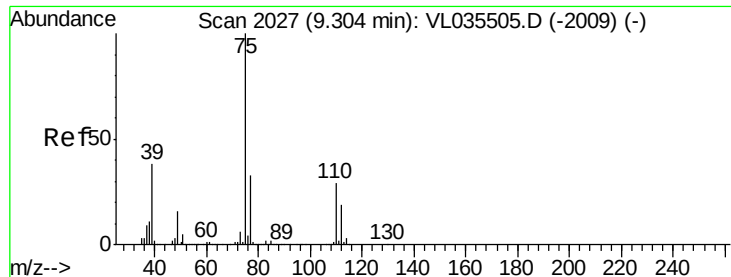
MMDadoda
9/11/2020 2:03:13 PM



#44
2,2,4-Trimethylpentane
Concen: 10.256 ppbv
RT: 7.87 min Scan# 1581
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion: 57 Resp: 3875096
Ion Ratio Lower Upper
57 100
41 26.0 20.5 30.7
56 31.8 25.3 37.9





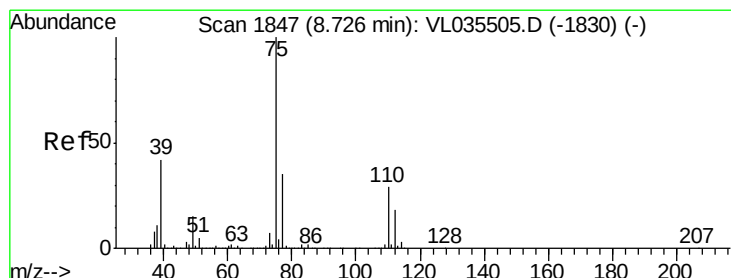
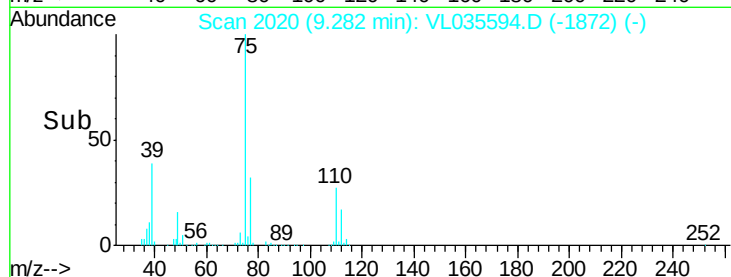
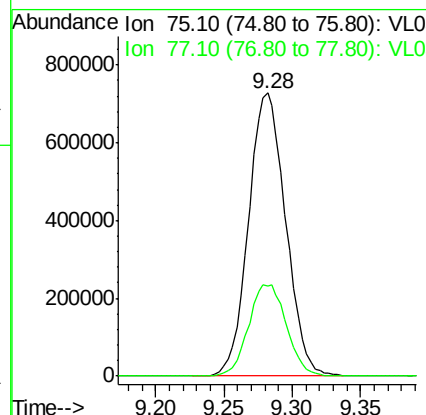
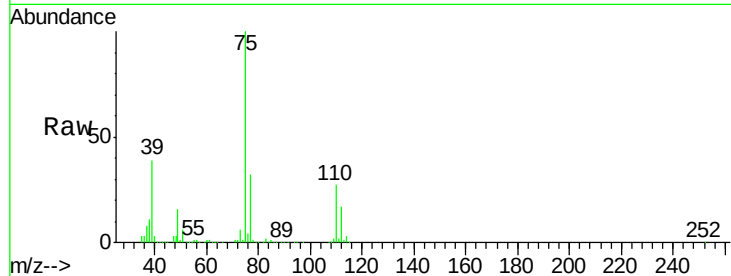
#45
 t-1,3-Dichloropropene
 Concen: 12.210 ppbv
 RT: 9.28 min Scan# 2020
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 75 Resp: 1373378
 Ion Ratio Lower Upper
 75 100
 77 31.8 26.5 39.7

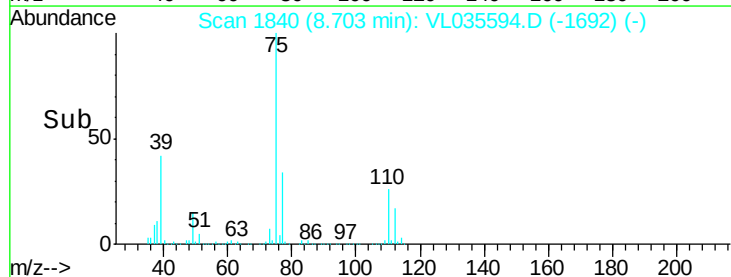
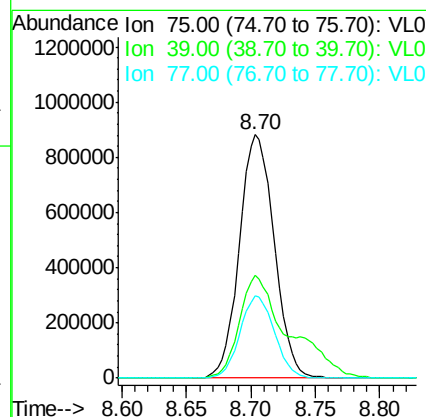
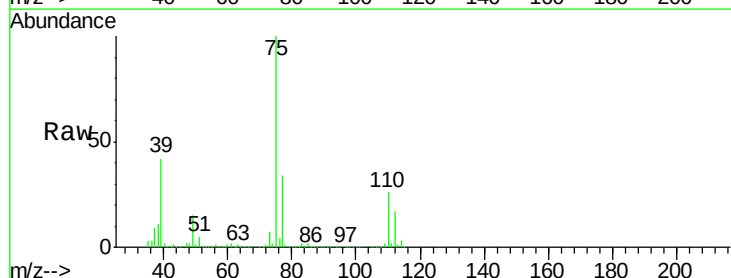
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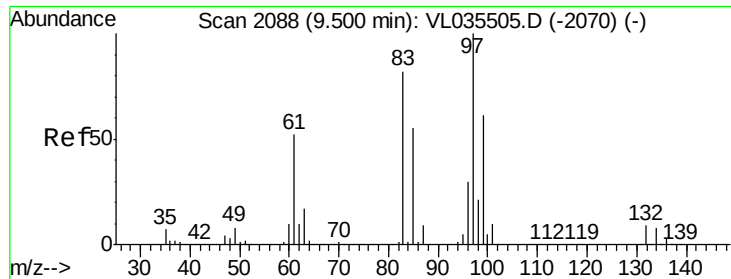
MMDadoda
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#46
 cis-1,3-Dichloropropene
 Concen: 11.873 ppbv
 RT: 8.70 min Scan# 1840
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Tgt Ion: 75 Resp: 1658176
 Ion Ratio Lower Upper
 75 100
 39 42.0 33.7 50.5
 77 33.8 27.8 41.6





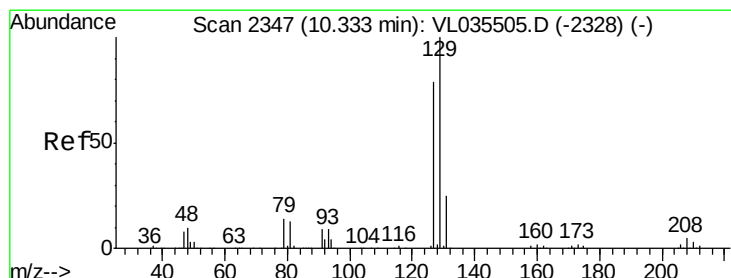
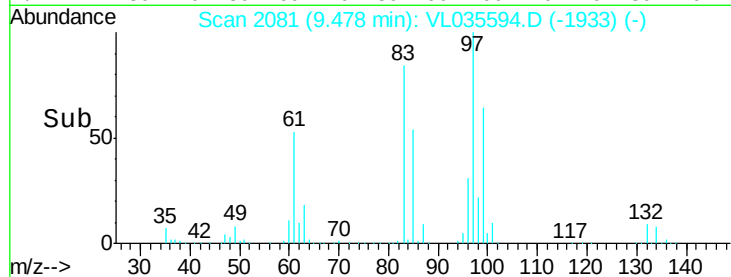
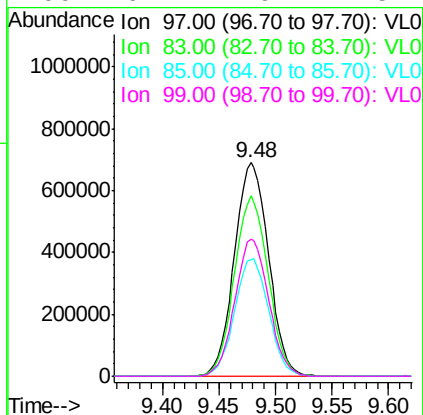
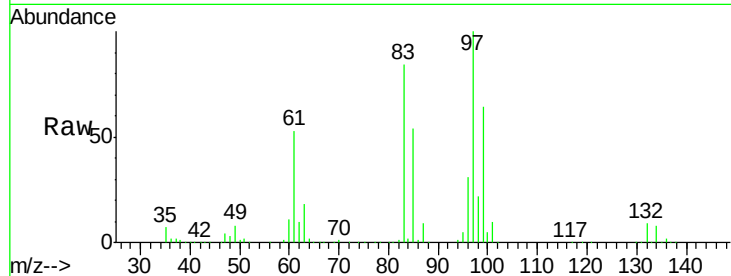
#47
 1,1,2-Trichloroethane
 Concen: 10.175 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	97	Resp	1456338
Ion	Ratio	Lower	Upper
97	100		
83	84.4	65.4	98.2
85	54.4	43.7	65.5
99	64.1	49.1	73.7

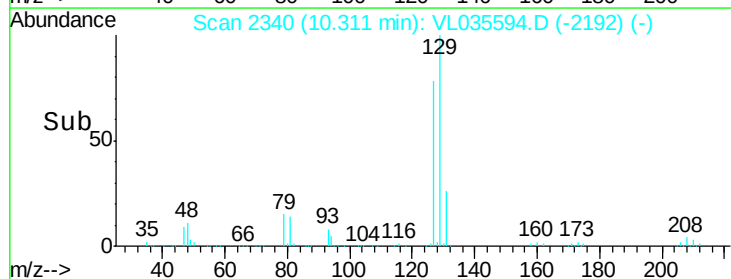
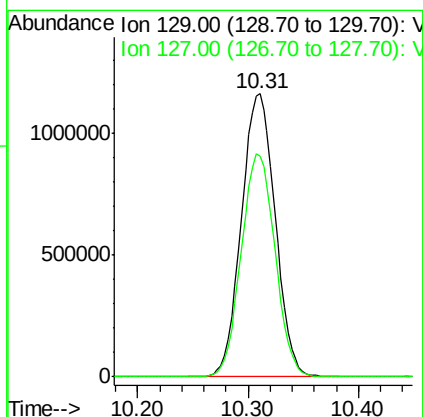
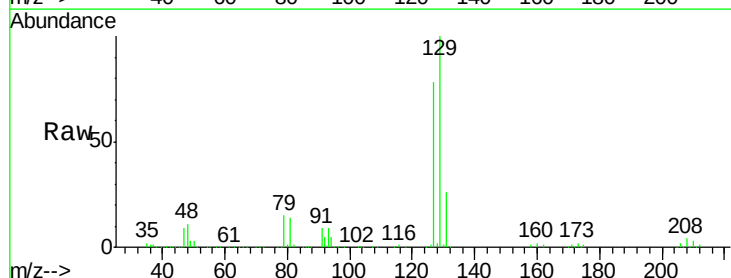
Manual Integrations
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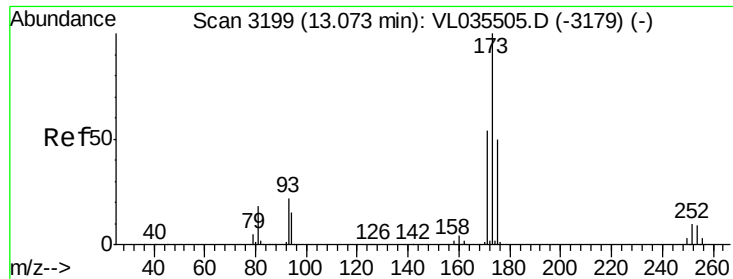
MMDadoda
 9/11/2020 2:03:13 PM



#48
 Dibromochloromethane
 Concen: 10.978 ppbv
 RT: 10.31 min Scan# 2340
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Tgt Ion	129	Resp	2473071
Ion	Ratio	Lower	Upper
129	100		
127	78.8	39.3	117.8





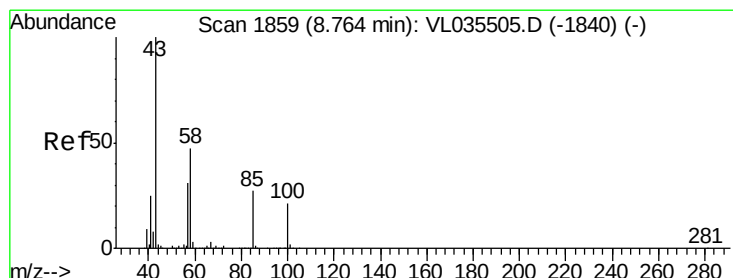
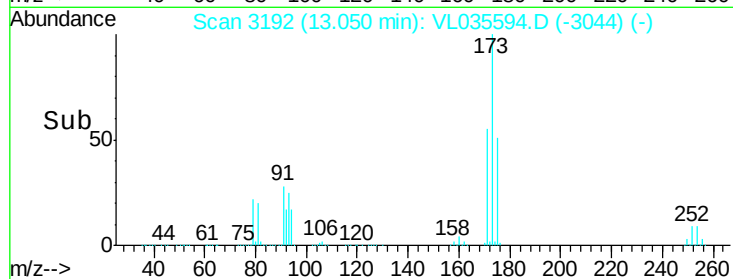
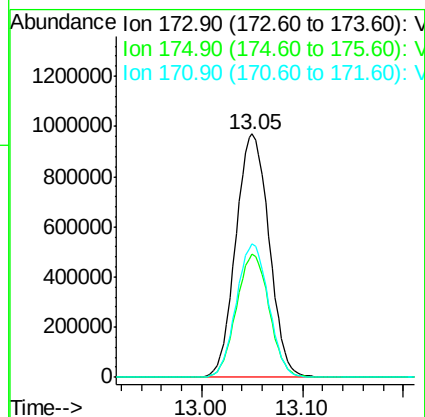
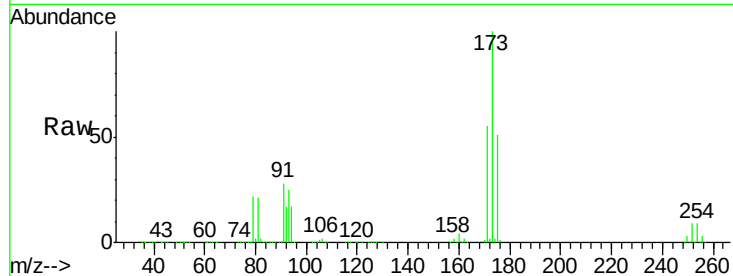
#49
Bromoform
Concen: 10.901 ppbv
RT: 13.05 min Scan# 3192
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 2225626
Ion Ratio Lower Upper
173 100
175 49.8 39.8 59.8
171 53.3 42.4 63.6

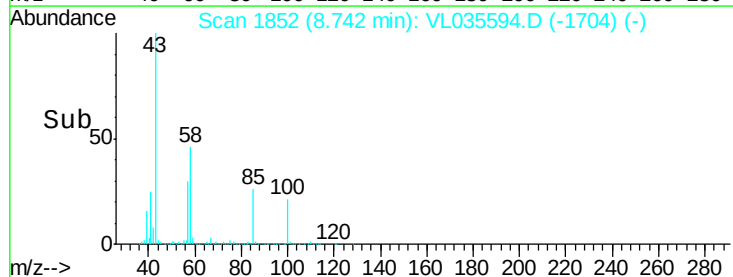
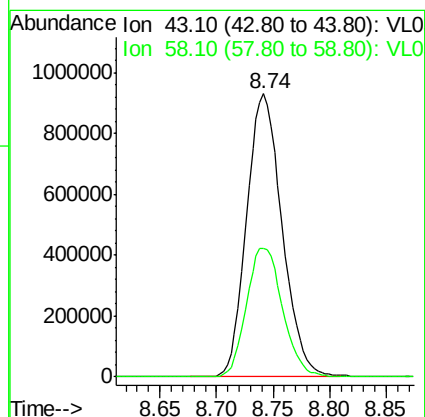
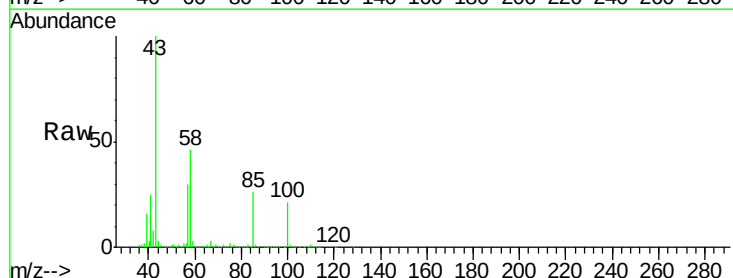
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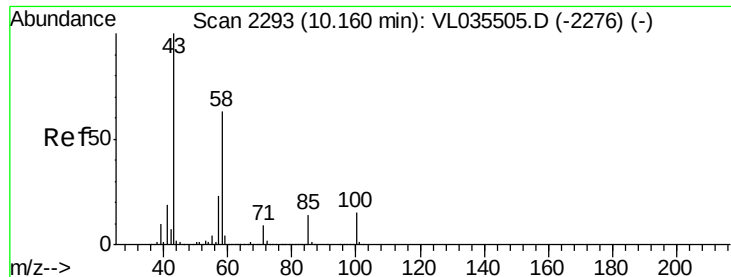
MMDadoda
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#50
4-Methyl-2-Pentanone
Concen: 10.645 ppbv
RT: 8.74 min Scan# 1852
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion: 43 Resp: 2029269
Ion Ratio Lower Upper
43 100
58 46.5 37.4 56.0





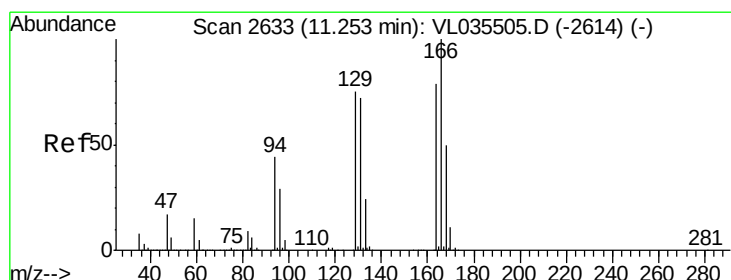
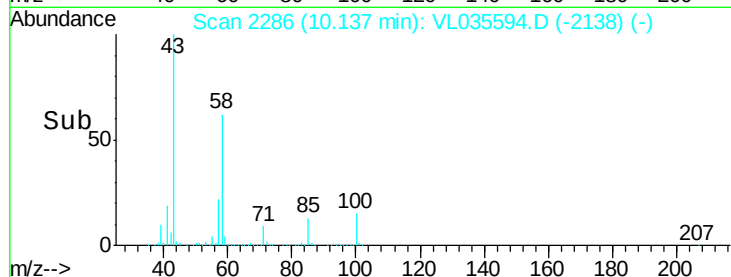
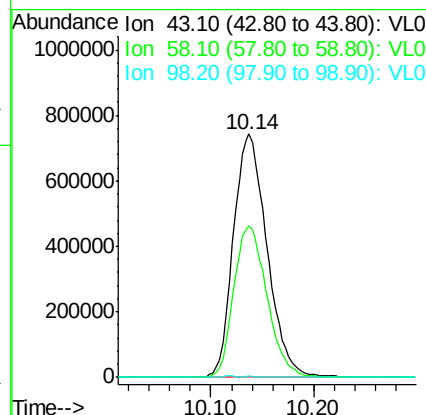
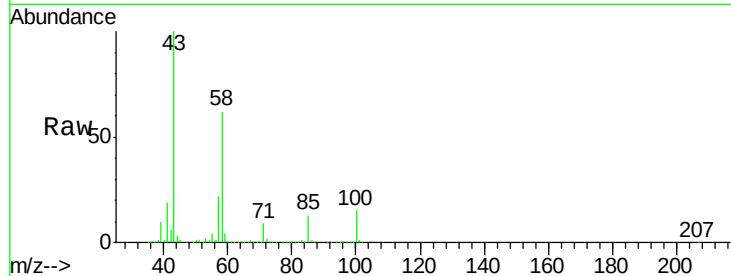
#51
2-Hexanone
Concen: 10.755 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1681798
Ion Ratio Lower Upper
43 100
58 62.1 50.2 75.4
98 0.8 0.4 0.6#

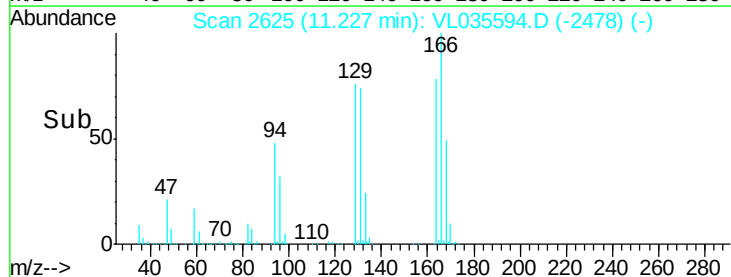
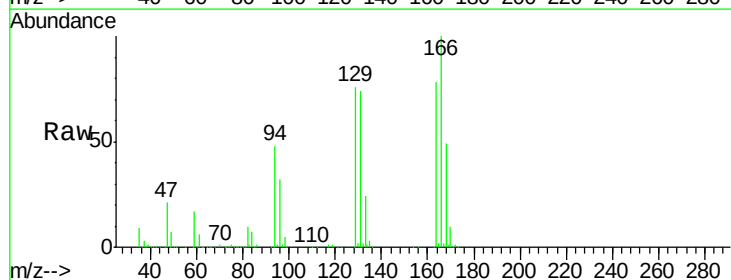
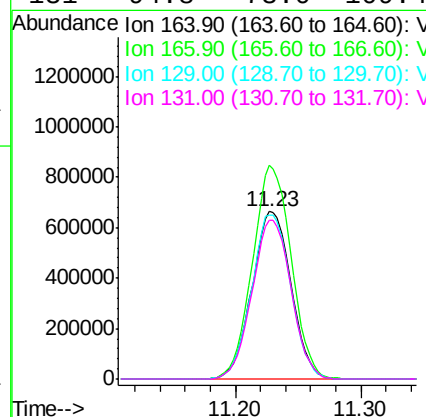
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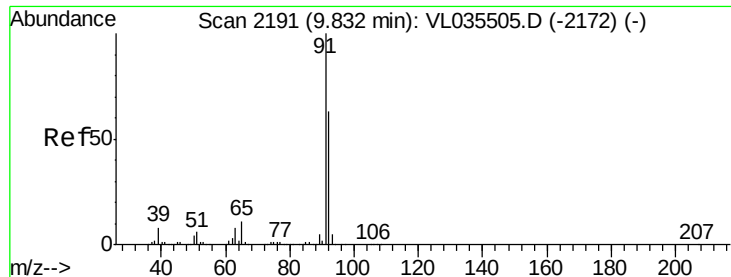
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#52
Tetrachloroethene
Concen: 8.571 ppbv
RT: 11.23 min Scan# 2625
Delta R.T. -0.03 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion: 164 Resp: 1437843
Ion Ratio Lower Upper
164 100
166 127.4 100.9 151.3
129 97.4 75.3 112.9
131 94.8 73.0 109.4





#53

Toluene

Concen: 10.286 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 3714237

Ion Ratio Lower Upper

91 100

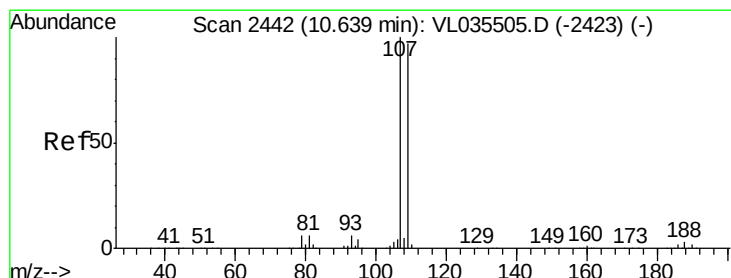
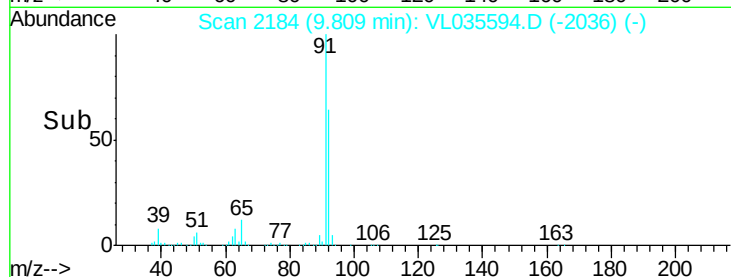
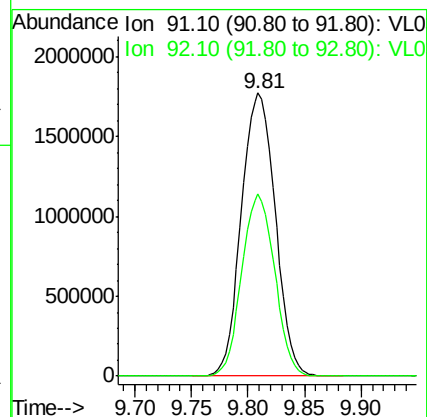
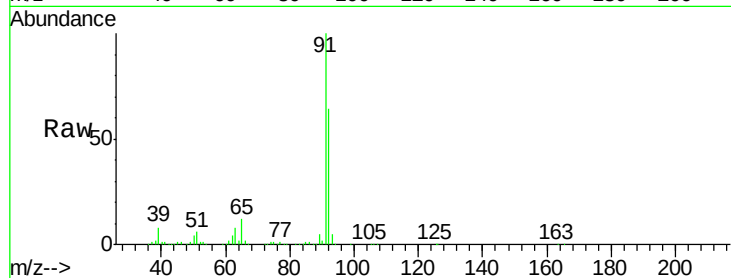
92 62.4 49.8 74.8

Manual Integrations

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MMDadoda

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#54

1,2-Dibromoethane

Concen: 10.085 ppbv

RT: 10.62 min Scan# 2435

Delta R.T. -0.02 min

Lab File: VL035594.D

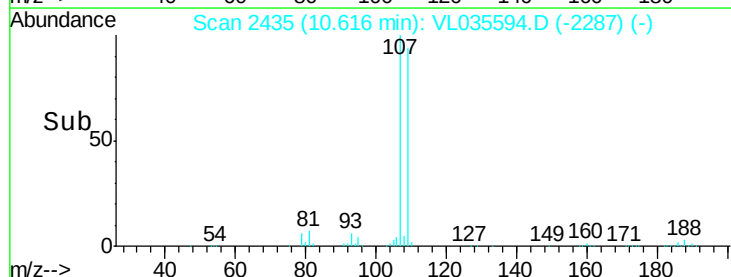
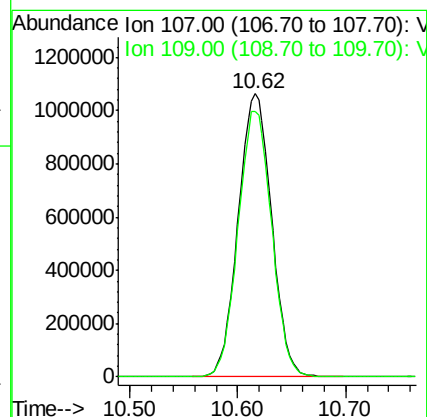
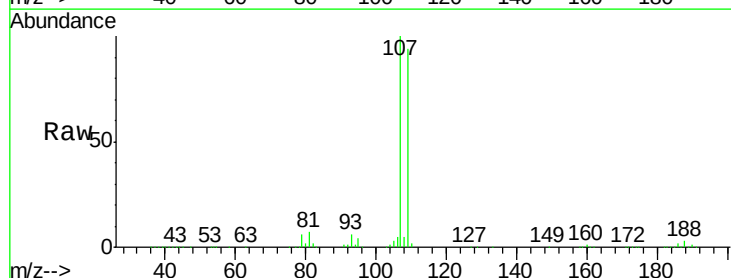
Acq: 11 Sep 2020 8:47

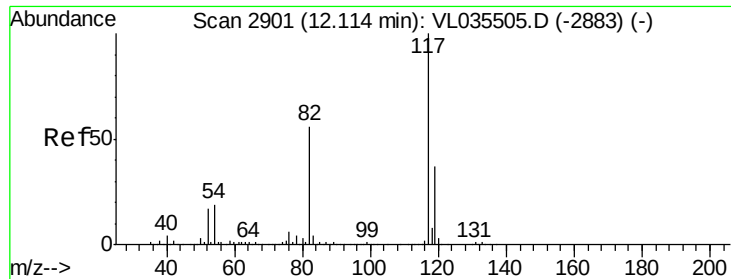
Tgt Ion: 107 Resp: 2280837

Ion Ratio Lower Upper

107 100

109 94.0 77.8 116.8





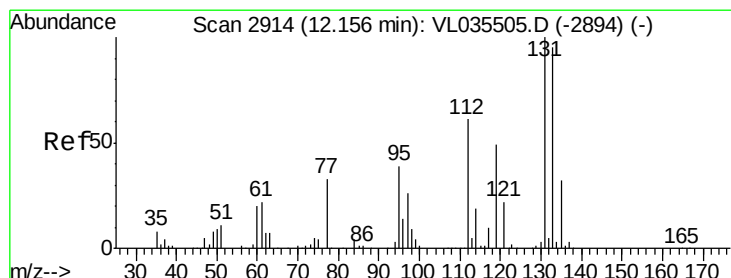
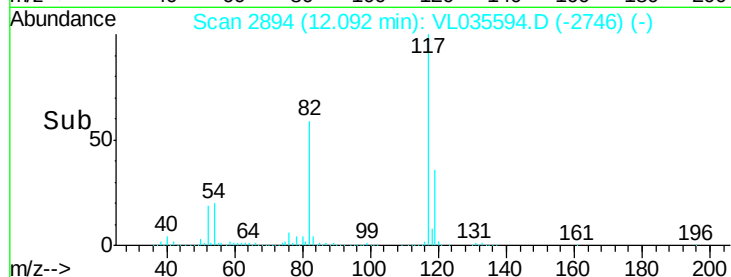
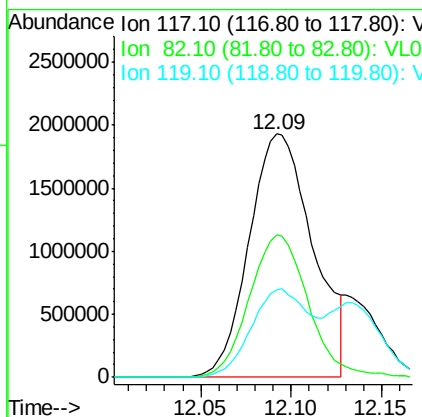
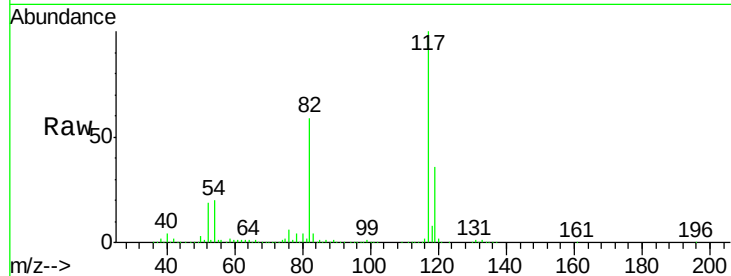
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2894
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 4736090
Ion Ratio Lower Upper
117 100
82 54.2 41.6 62.4
119 32.5 29.3 43.9

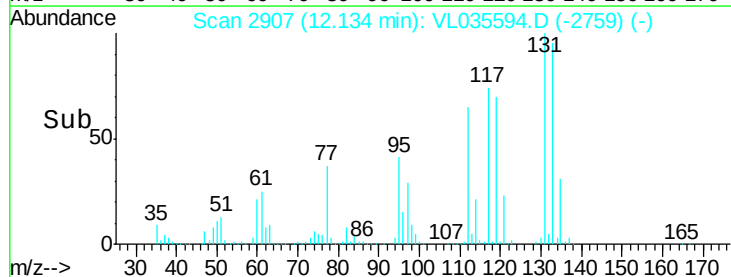
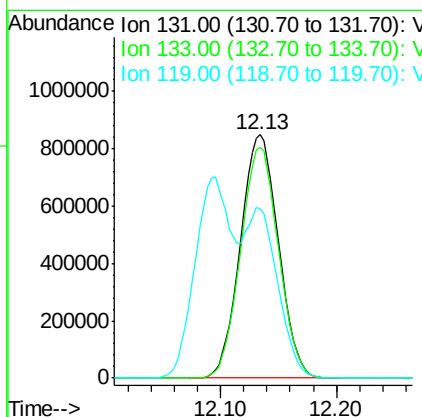
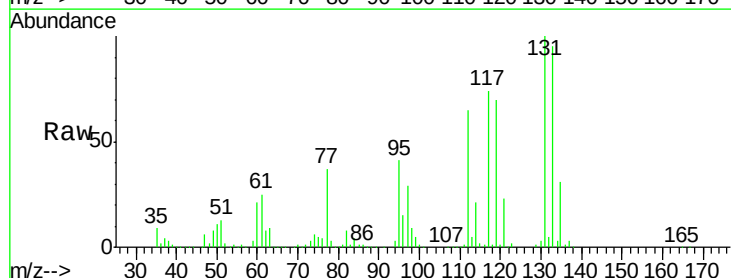
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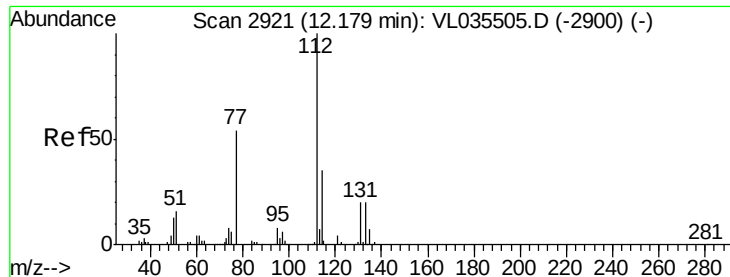
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.026 ppbv
RT: 12.13 min Scan# 2907
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion:131 Resp: 1932031
Ion Ratio Lower Upper
131 100
133 94.9 76.6 115.0
119 59.4 51.6 77.4





#57

Chlorobenzene

Concen: 9.129 ppbv

RT: 12.16 min Scan# 2914

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:112 Resp: 3181950

Ion Ratio Lower Upper

112 100

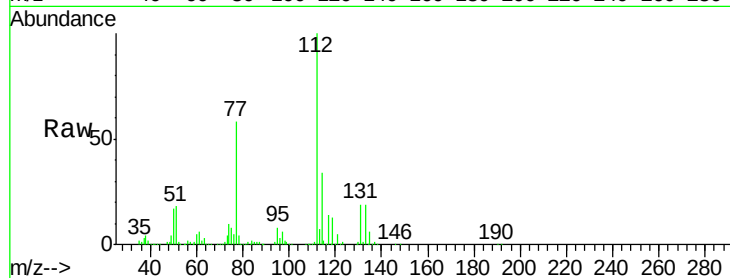
77 58.0 44.2 66.4

114 34.3 31.6 38.6

Manual Integrations
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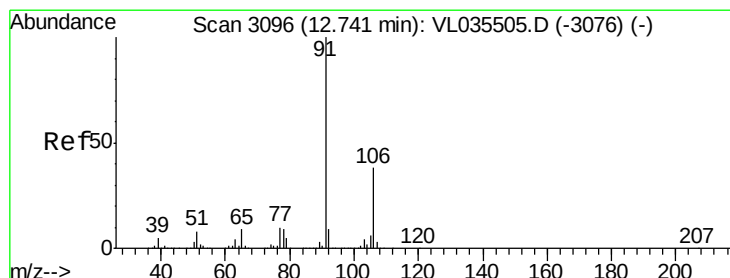
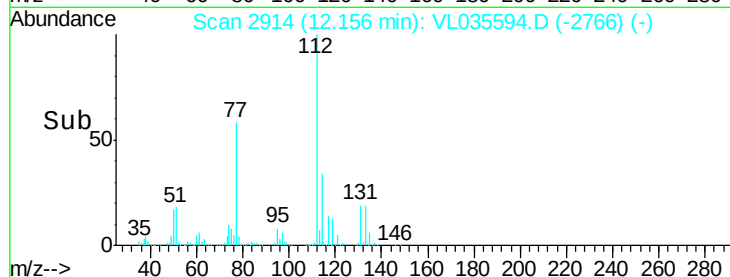
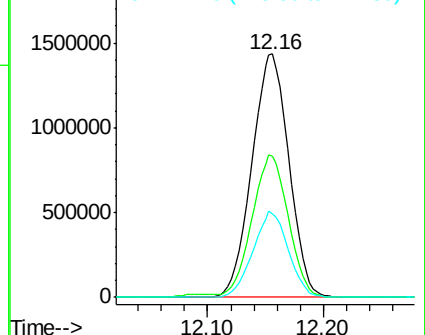
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.937 ppbv

RT: 12.72 min Scan# 3089

Delta R.T. -0.02 min

Lab File: VL035594.D

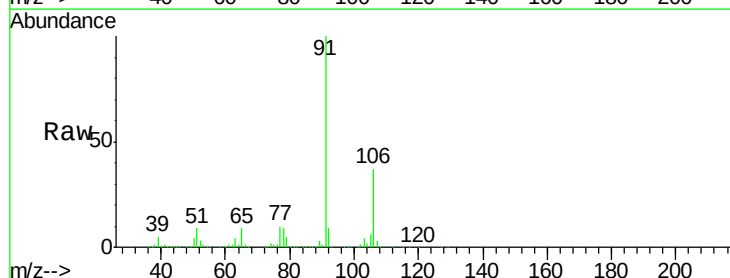
Acq: 11 Sep 2020 8:47

Tgt Ion: 91 Resp: 4853284

Ion Ratio Lower Upper

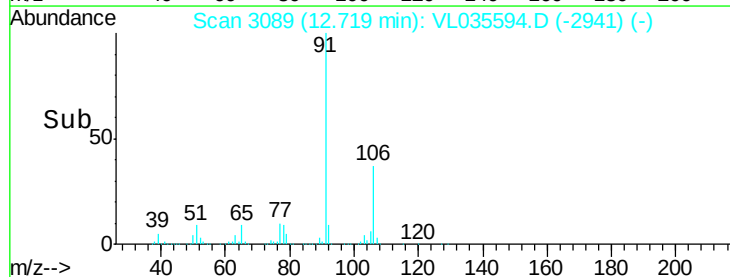
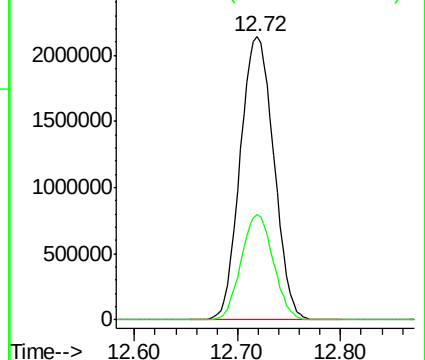
91 100

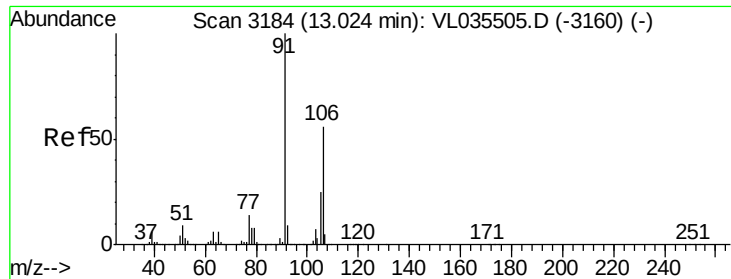
106 37.3 30.3 45.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





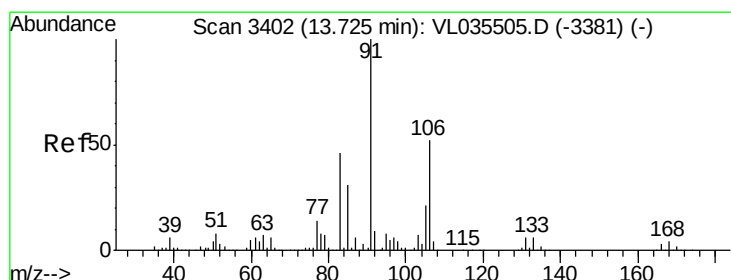
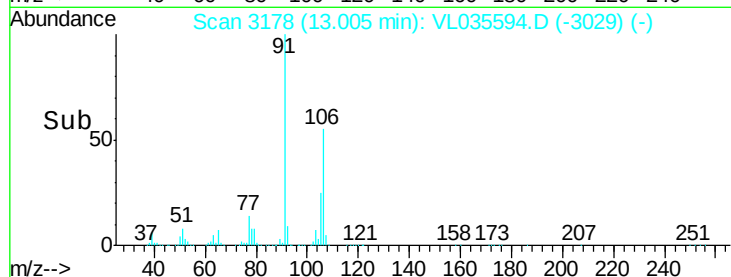
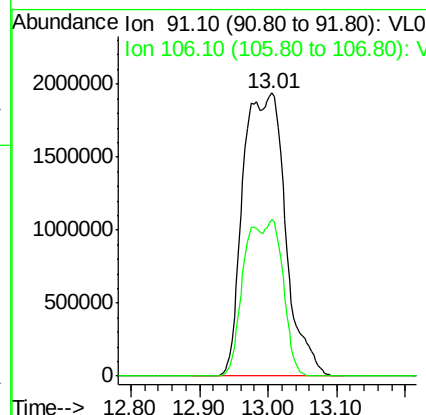
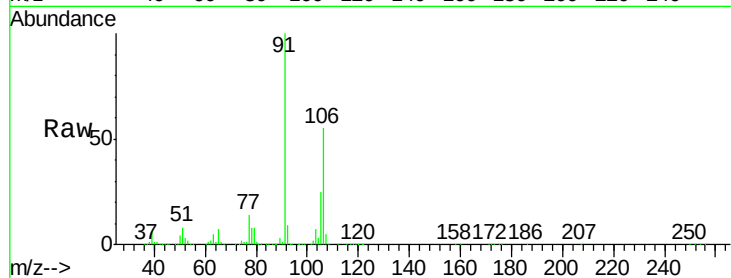
#59
m/p-Xylene
Concen: 20.335 ppbv m
RT: 13.01 min Scan# 3178
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8298533
Ion Ratio Lower Upper
91 100
106 50.4 43.4 65.2

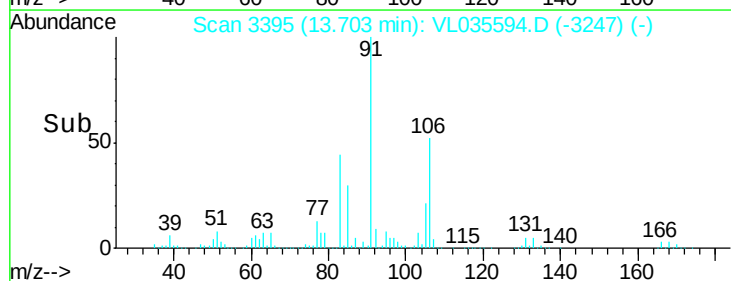
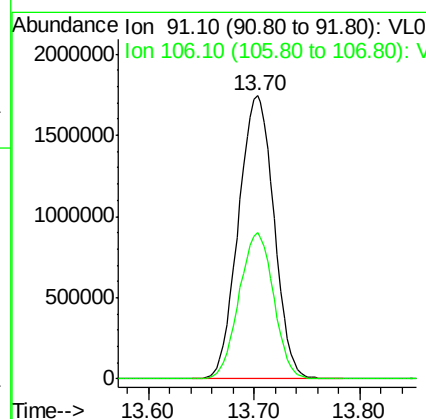
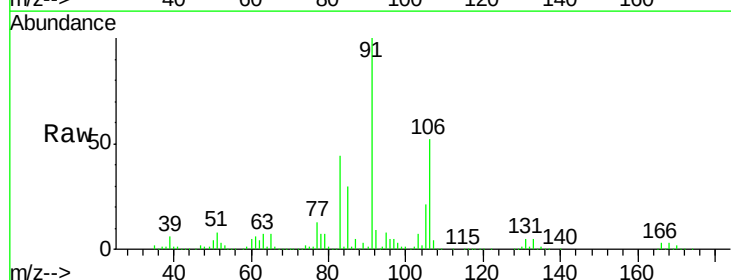
Manual Integrations
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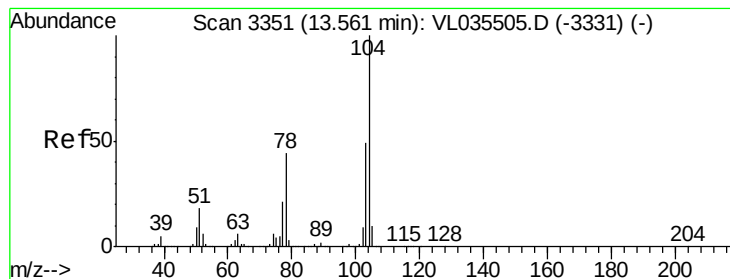
MMDadoda
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#60
o-Xylene
Concen: 9.889 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion: 91 Resp: 4064589
Ion Ratio Lower Upper
91 100
106 50.5 25.8 77.4





#61

Stvrene

Concen: 10.287 ppbv

RT: 13.54 min Scan# 3344

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:104 Resp: 3233642

Ion Ratio Lower Upper

104 100

78 45.3 34.8 52.2

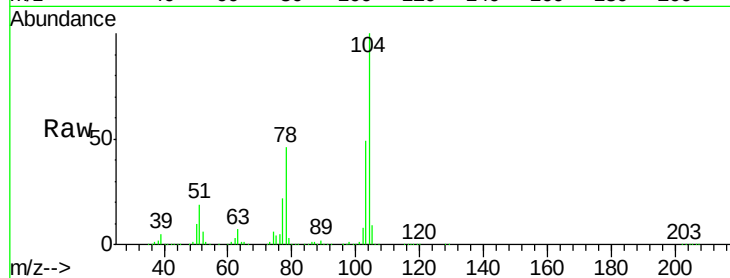
103 47.6 38.2 57.4

Manual Integrations

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MMDadoda

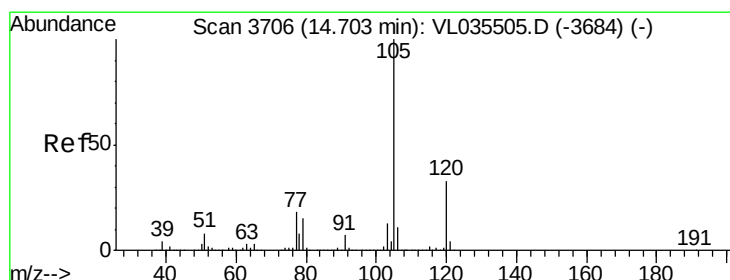
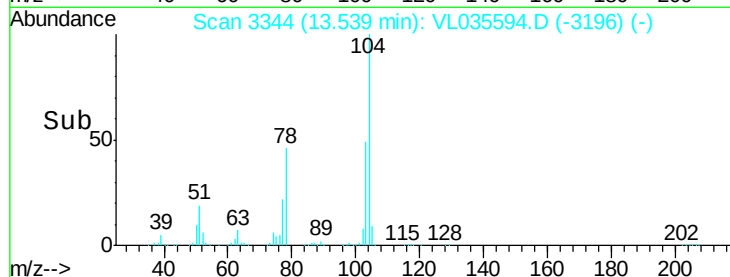
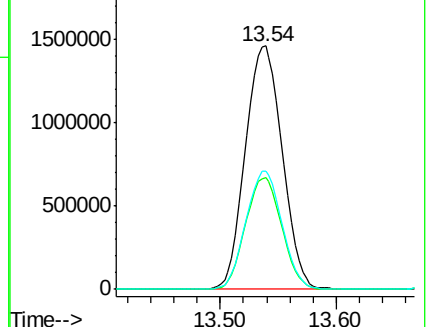
9/11/2020 2:03:13 PM



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 9.282 ppbv

RT: 14.68 min Scan# 3699

Delta R.T. -0.02 min

Lab File: VL035594.D

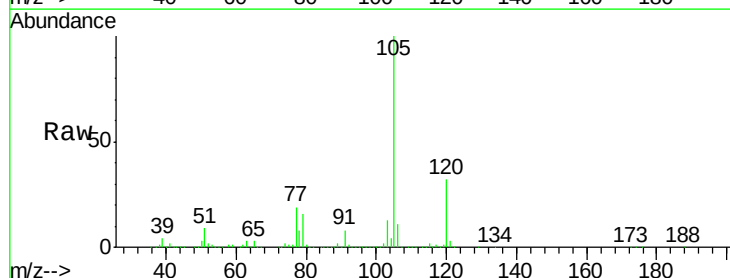
Acq: 11 Sep 2020 8:47

Tgt Ion:105 Resp: 6127985

Ion Ratio Lower Upper

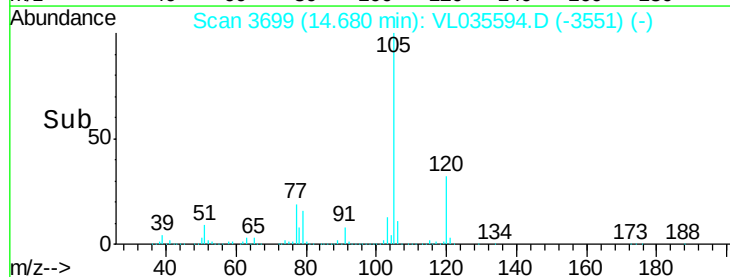
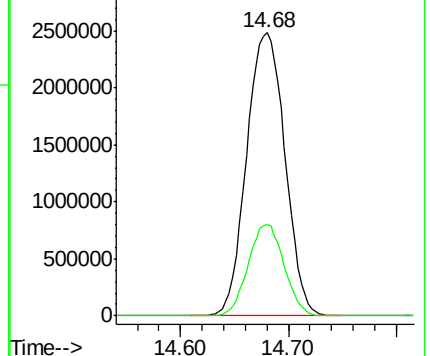
105 100

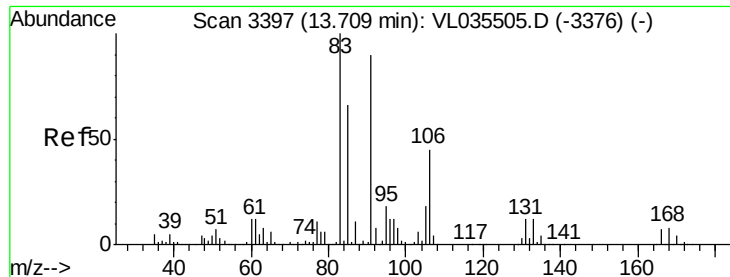
120 30.3 25.0 37.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





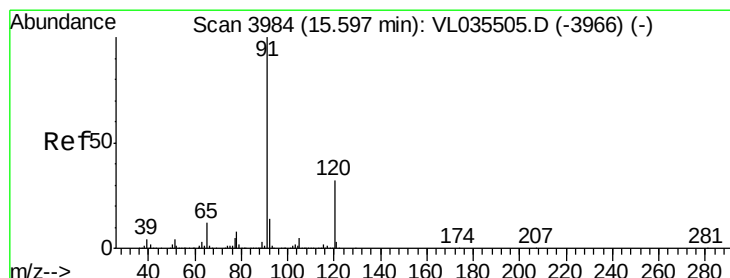
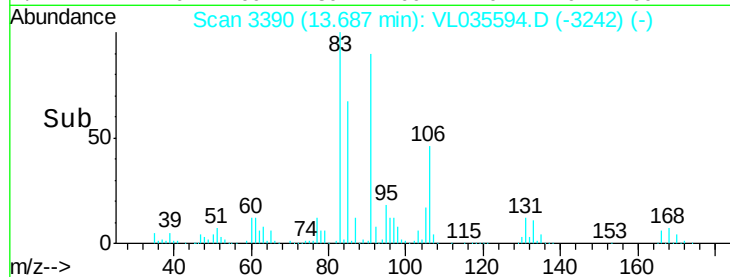
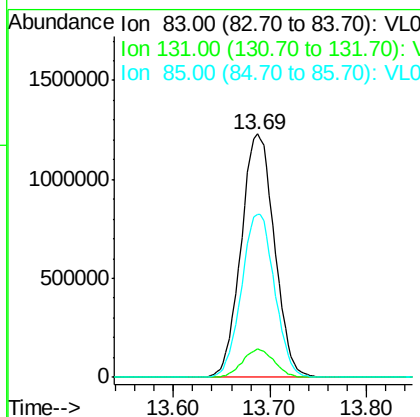
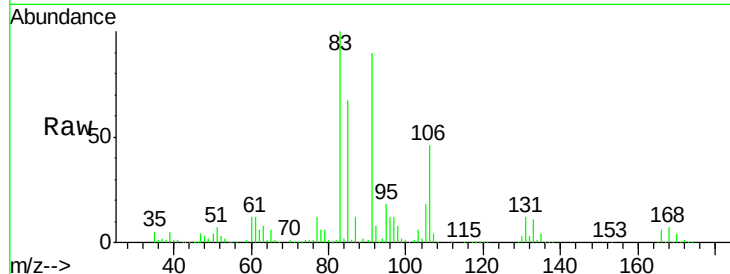
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.226 ppbv
 RT: 13.69 min Scan# 3390
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 83 Resp: 2939961
 Ion Ratio Lower Upper
 83 100
 131 11.1 6.0 18.0
 85 66.6 33.4 100.2

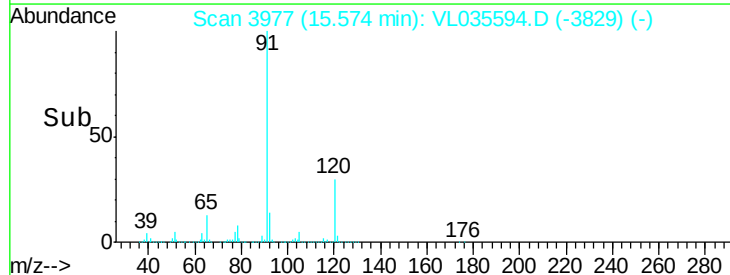
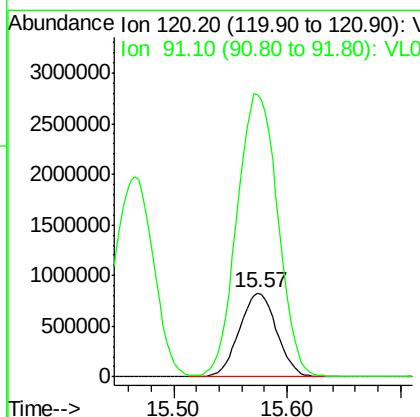
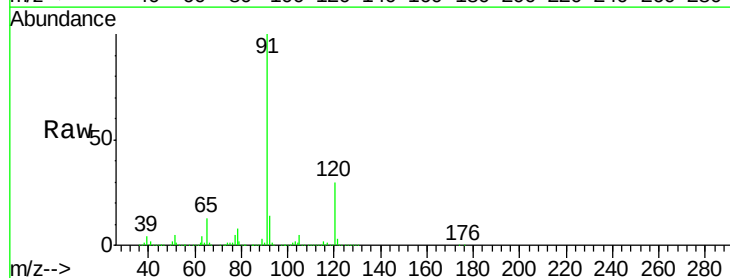
Manual Integrations
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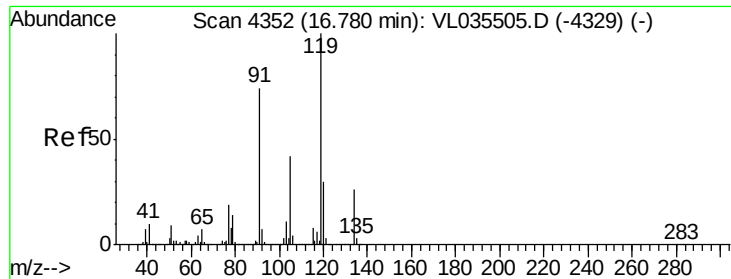
MMDadoda
 9/11/2020 2:03:13 PM



#64
 n-propylbenzene
 Concen: 9.420 ppbv
 RT: 15.57 min Scan# 3977
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Tgt Ion: 120 Resp: 1897987
 Ion Ratio Lower Upper
 120 100
 91 371.0 279.4 419.0





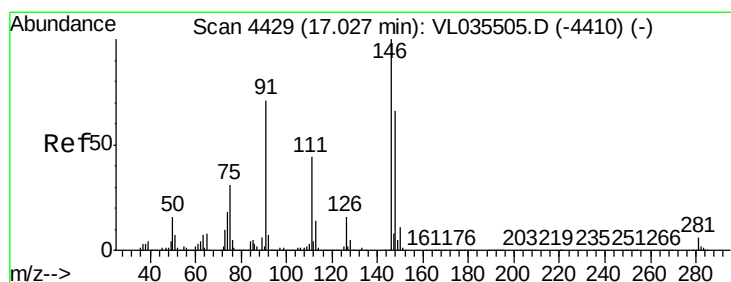
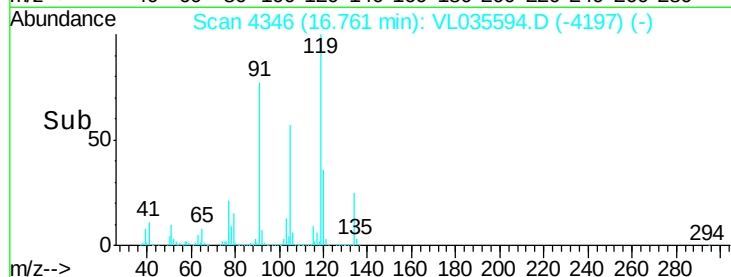
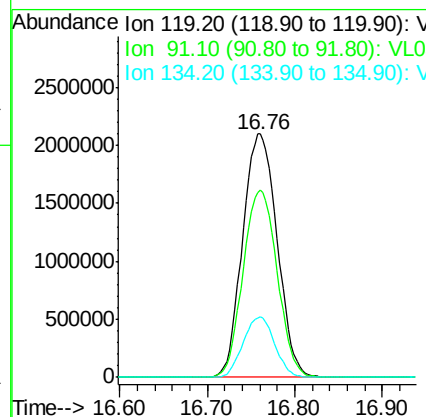
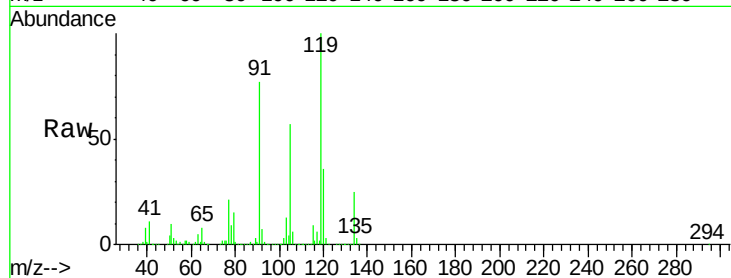
#65
tert-Butylbenzene
Concen: 9.361 ppbv
RT: 16.76 min Scan# 4346
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
91	76.1	58.6	87.8
134	22.7	18.9	28.3

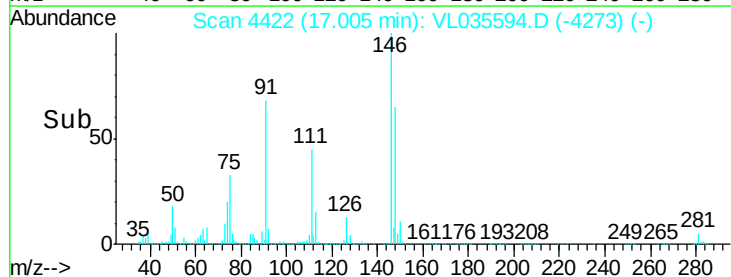
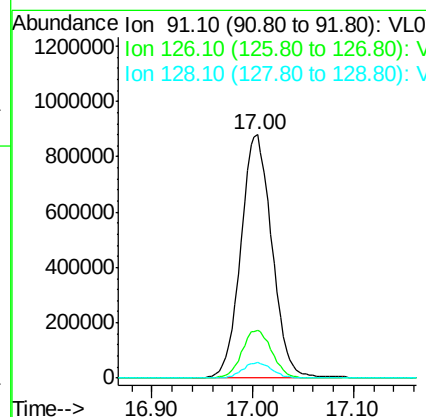
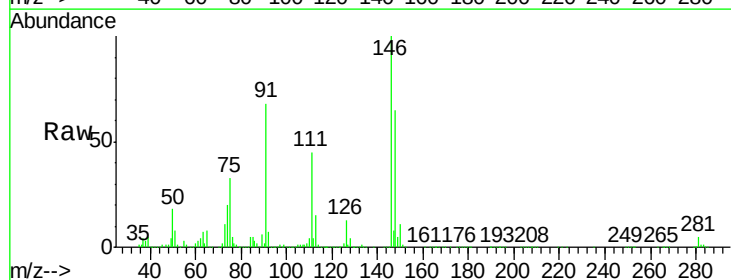
Manual Integrations
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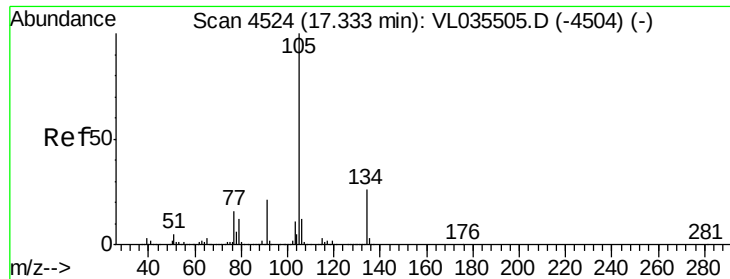
MMDadoda
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#66
Benzyl Chloride
Concen: 12.333 ppbv
RT: 17.00 min Scan# 4422
Delta R.T. -0.02 min
Lab File: VL035594.D
Acq: 11 Sep 2020 8:47

Tgt Ion	Ratio	Lower	Upper
91	100		
126	19.0	17.2	25.8
128	6.1	5.5	8.3





#67

sec-Butylbenzene

Concen: 9.261 ppbv

RT: 17.31 min Scan# 4517

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 7572545

Ion Ratio Lower Upper

105 100

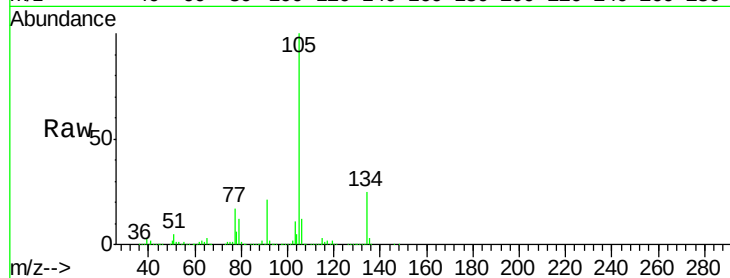
134 22.2 19.1 28.7

Manual Integrations

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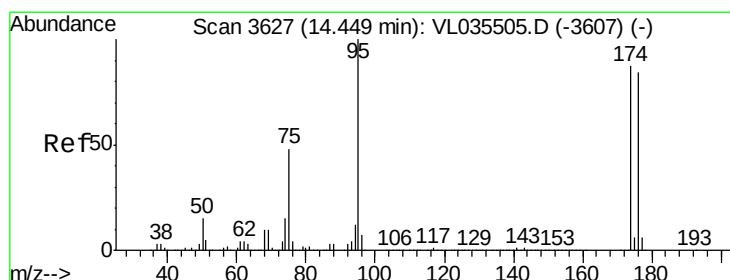
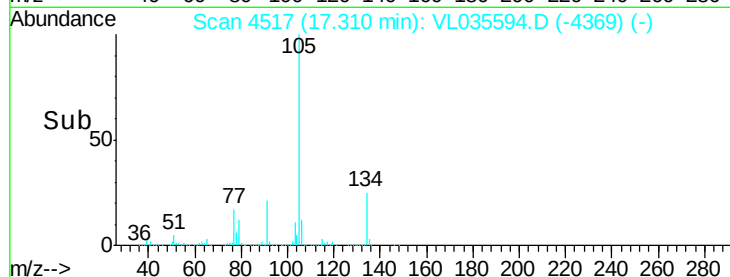
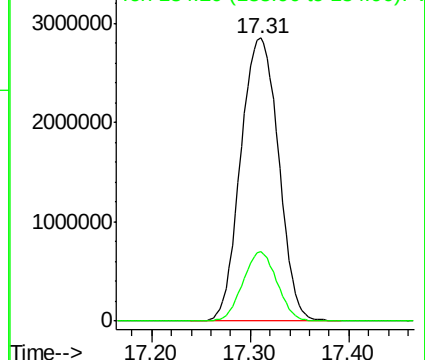
MMDadoda

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.128 ppbv

RT: 14.43 min Scan# 3620

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

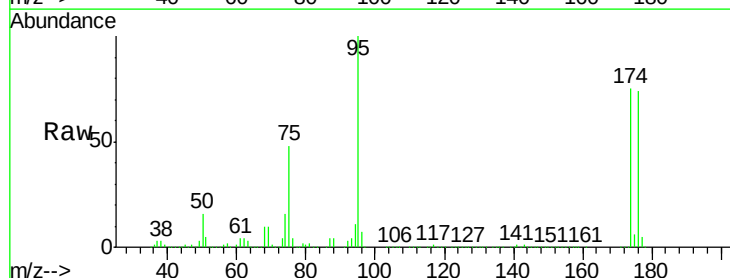
Tgt Ion: 95 Resp: 3406306

Ion Ratio Lower Upper

95 100

174 77.1 69.6 104.4

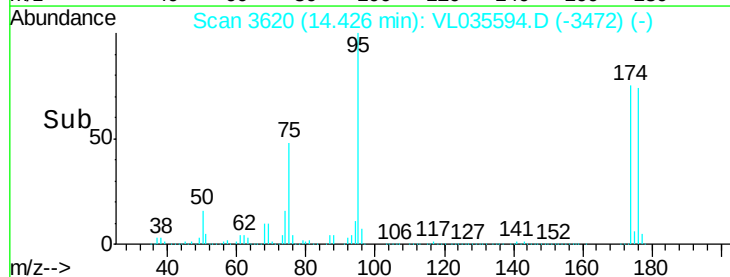
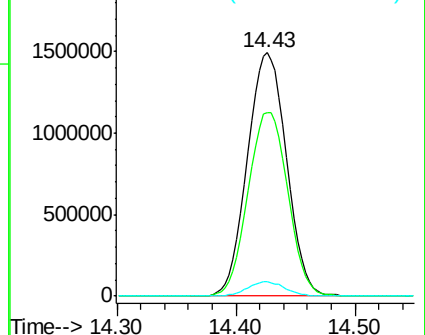
175 5.7 5.1 7.7

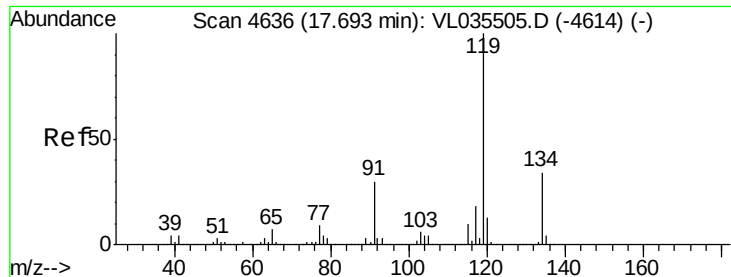


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V





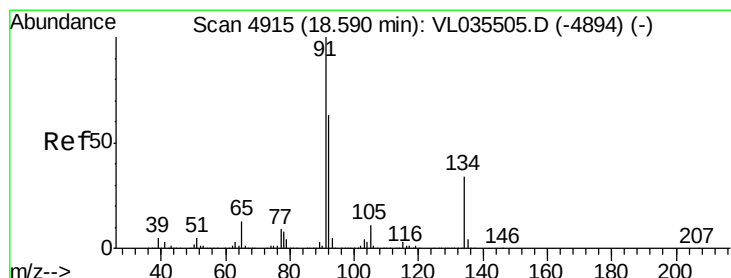
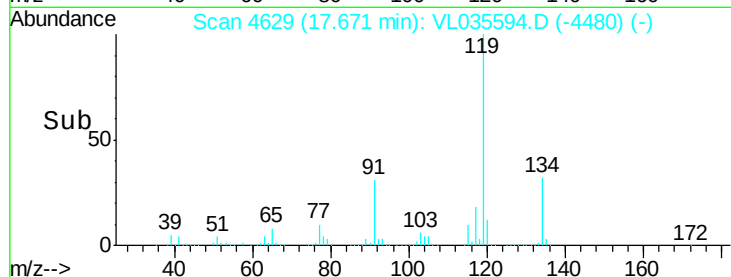
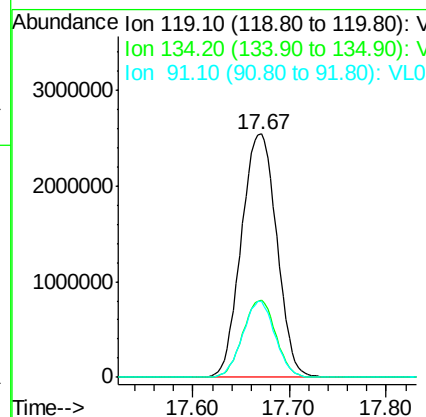
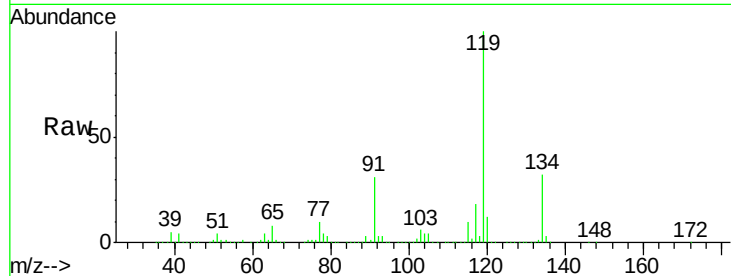
#69
 p-Isopropyltoluene
 Concen: 9.013 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 119 Resp: 6464409
 Ion Ratio Lower Upper
 119 100
 134 29.7 25.0 37.4
 91 28.7 22.3 33.5

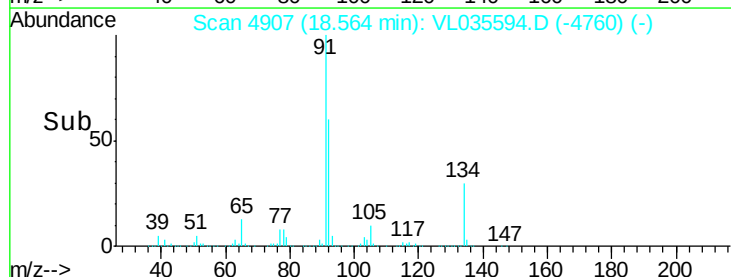
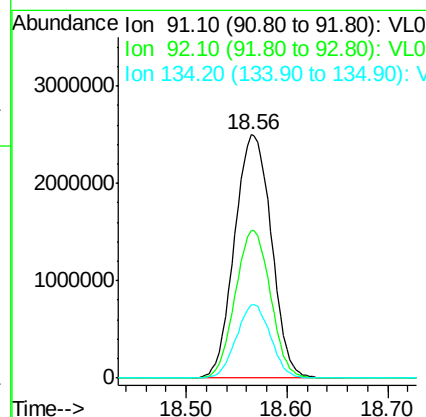
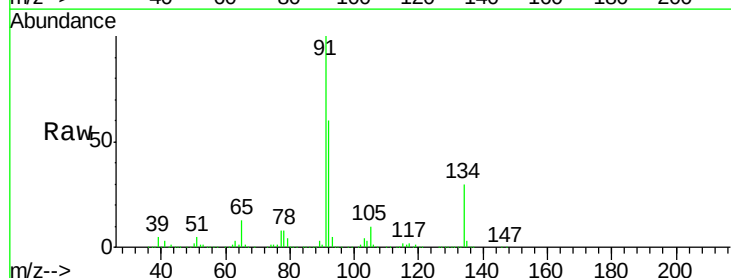
Manual Integrations
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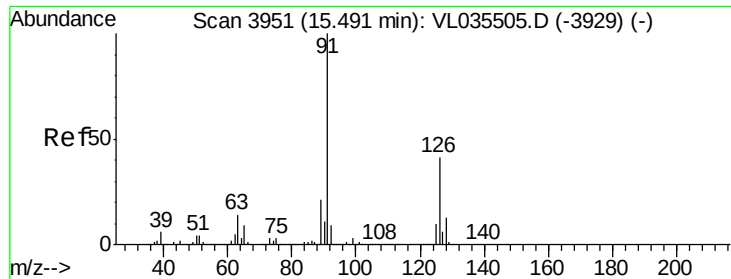
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#70
 n-Butylbenzene
 Concen: 9.147 ppbv
 RT: 18.56 min Scan# 4907
 Delta R.T. -0.03 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Tgt Ion: 91 Resp: 6319607
 Ion Ratio Lower Upper
 91 100
 92 58.2 47.3 70.9
 134 28.2 24.6 37.0





#71

2-Chlorotoluene

Concen: 9.734 ppbv

RT: 15.46 min Scan# 3943

Delta R.T. -0.03 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4680181

Ion Ratio Lower Upper

91 100

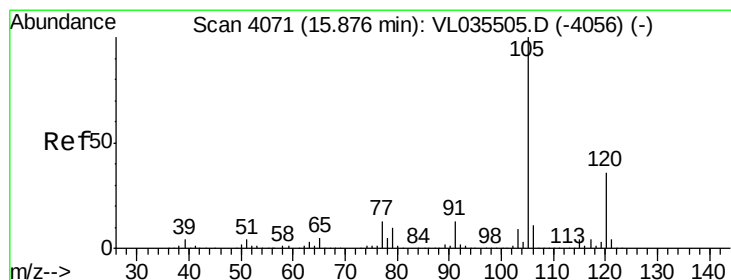
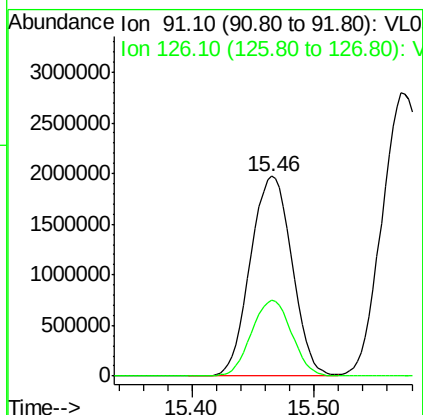
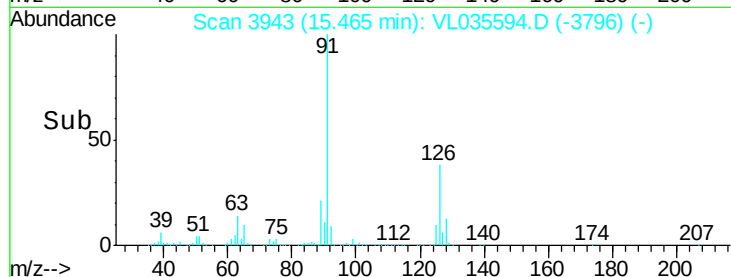
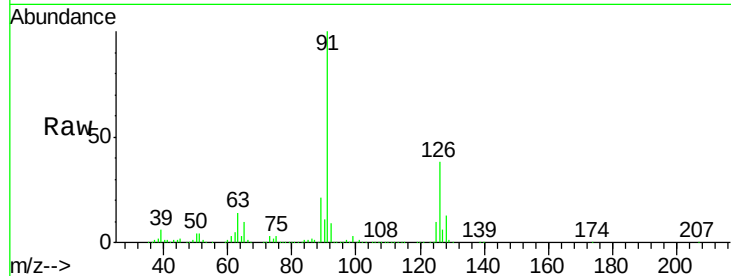
126 36.6 15.6 62.6

Manual Integrations

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#72

4-Ethyltoluene

Concen: 9.554 ppbv

RT: 15.85 min Scan# 4064

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Tgt Ion: 105 Resp: 4992413

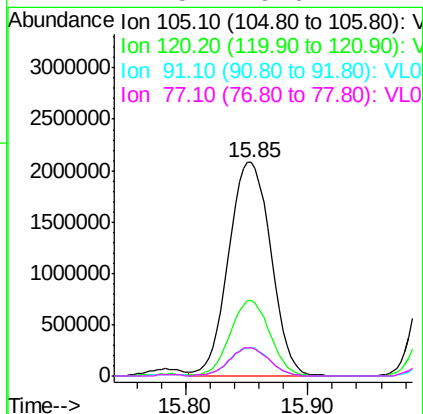
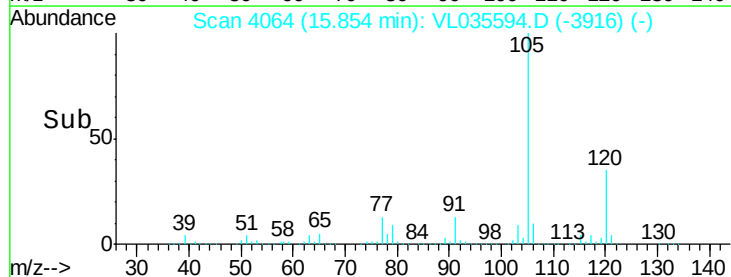
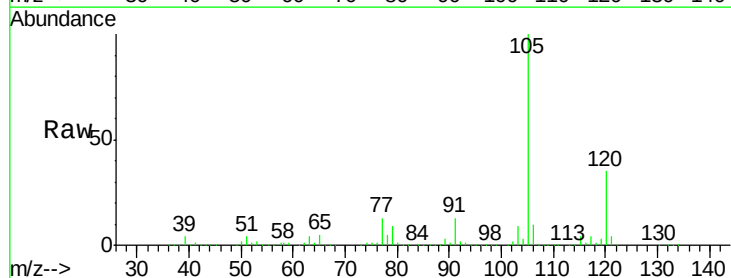
Ion Ratio Lower Upper

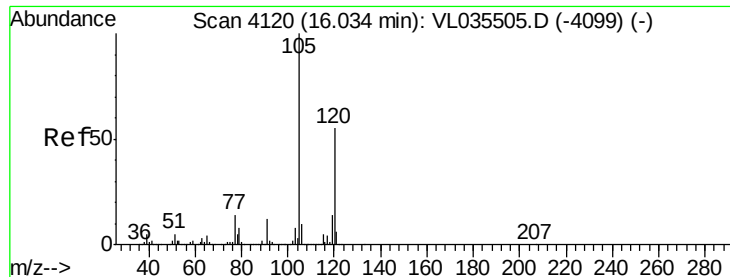
105 100

120 33.3 27.4 41.2

91 12.6 9.7 14.5

77 12.5 9.6 14.4





#73

1,3,5-Trimethylbenzene

Concen: 9.663 ppbv

RT: 16.01 min Scan# 4113

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:105 Resp: 4669978

Ion Ratio Lower Upper

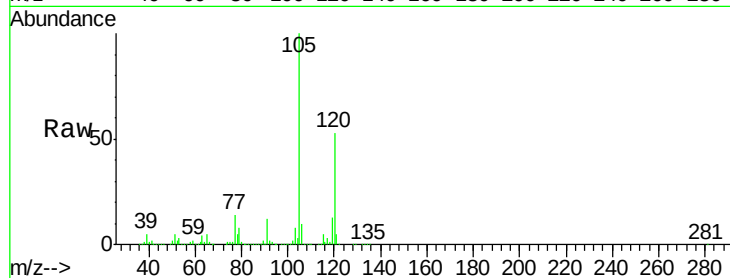
105 100

120 53.1 44.2 66.2

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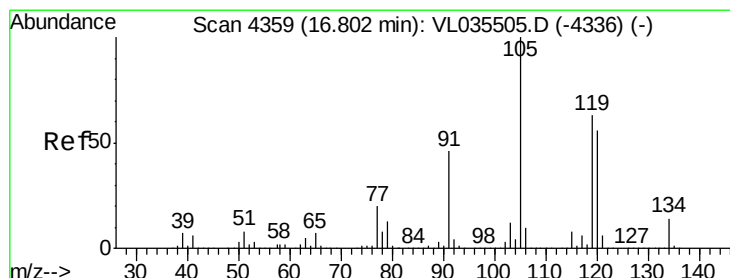
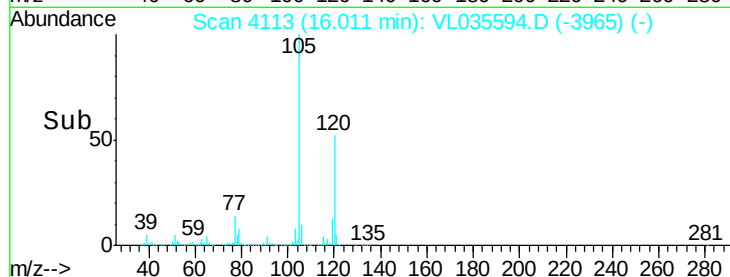
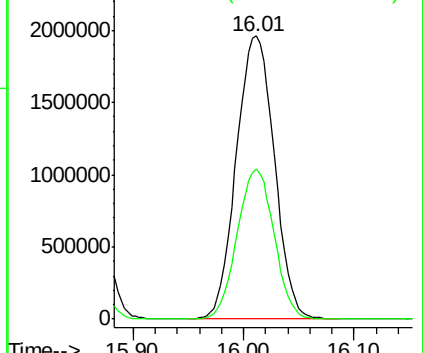
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 9.171 ppbv

RT: 16.78 min Scan# 4351

Delta R.T. -0.03 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Tgt Ion:105 Resp: 4867661

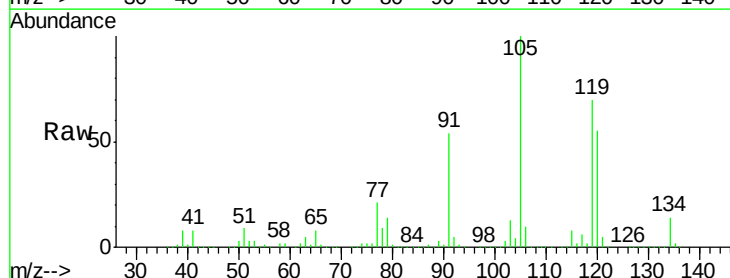
Ion Ratio Lower Upper

105 100

120 54.8 44.4 66.6

91 54.2 37.1 55.7

77 21.4 16.0 24.0

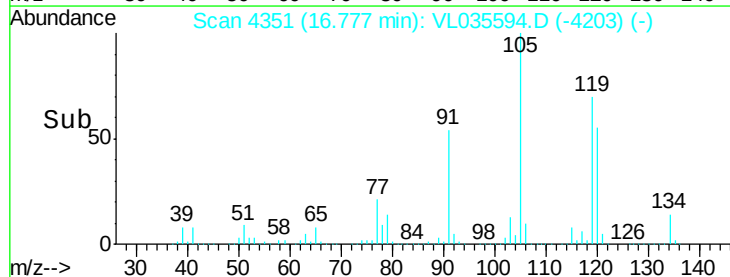
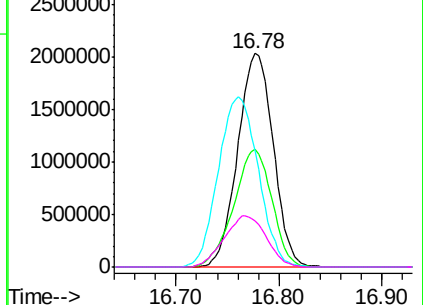


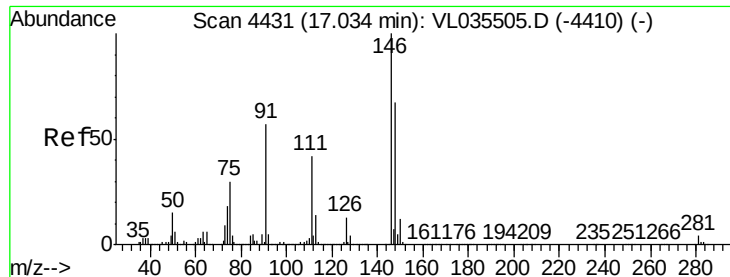
Abundance Ion 105.10 (104.80 to 105.80): V

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: 8.391 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. -0.03 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:146 Resp: 3298851

Ion Ratio Lower Upper

146 100

111 43.4 20.7 62.1

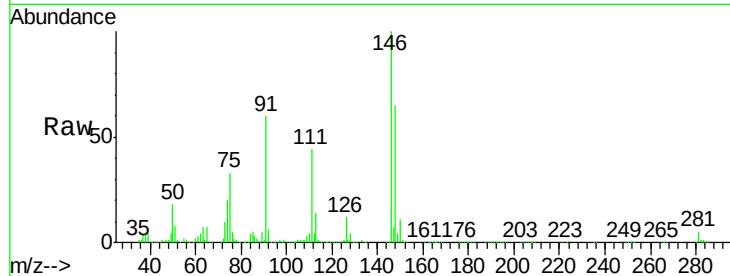
148 65.4 33.0 98.9

Manual Integrations

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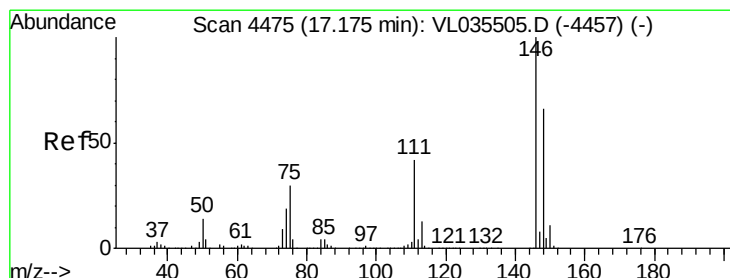
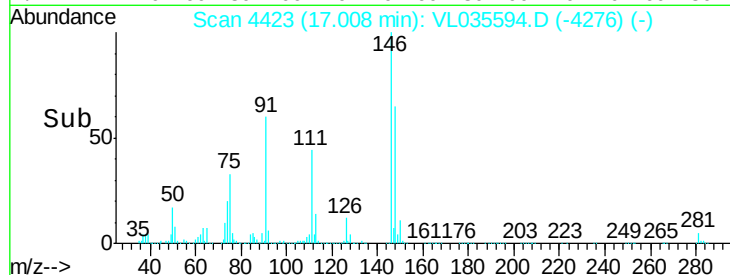
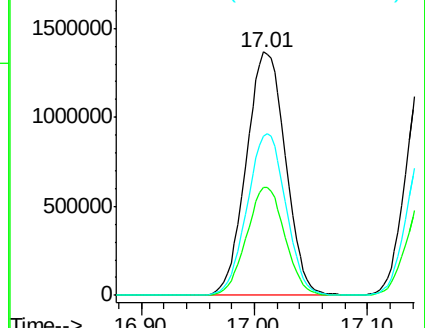
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 8.499 ppbv

RT: 17.15 min Scan# 4468

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

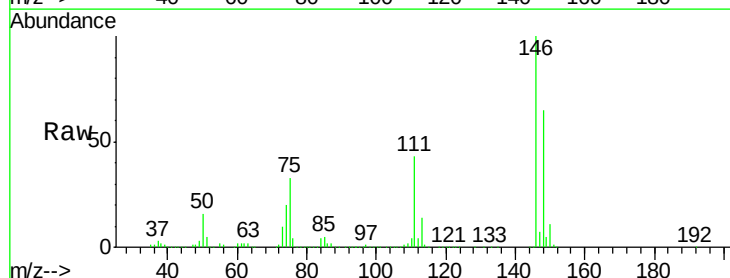
Tgt Ion:146 Resp: 3295208

Ion Ratio Lower Upper

146 100

111 42.2 20.0 60.0

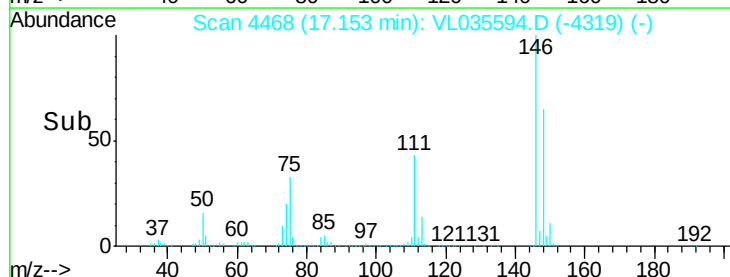
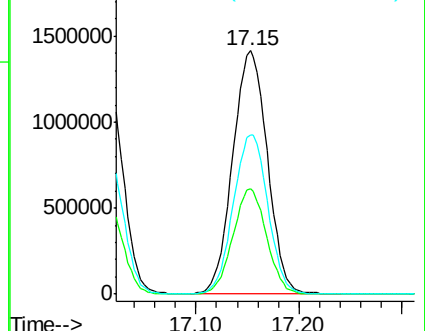
148 65.7 33.2 99.6

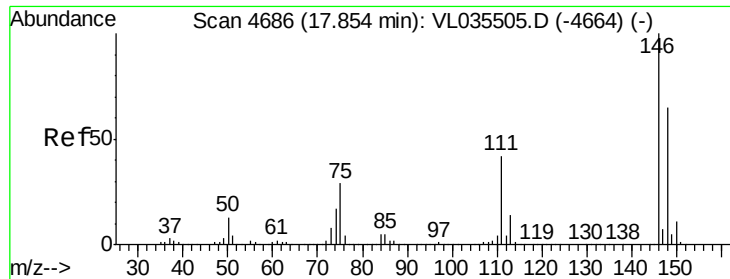


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





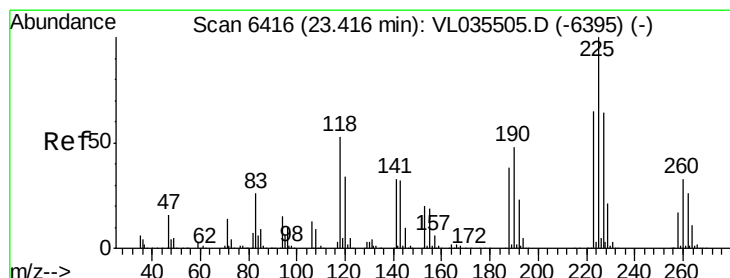
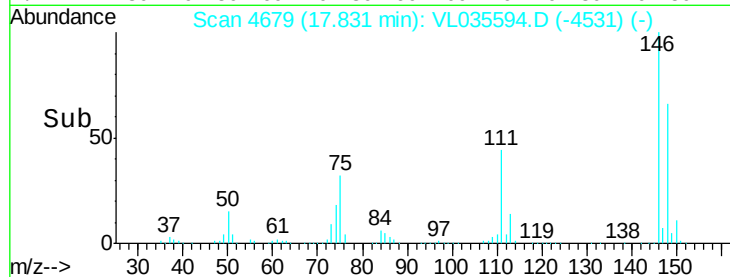
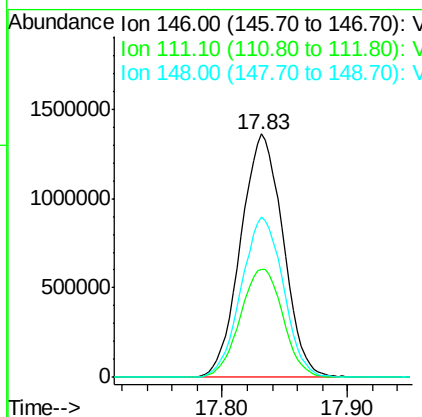
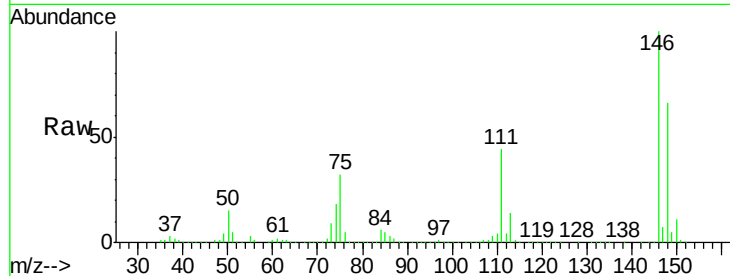
#77
 1,2-Dichlorobenzene
 Concen: 8.384 ppbv
 RT: 17.83 min Scan# 4679
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.0	21.1	63.3
148	65.8	32.9	98.7

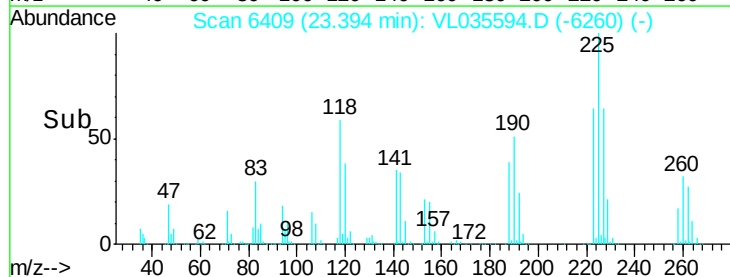
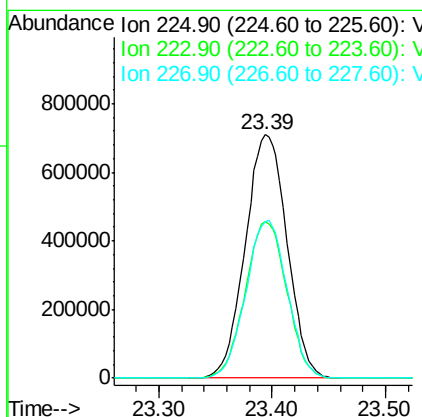
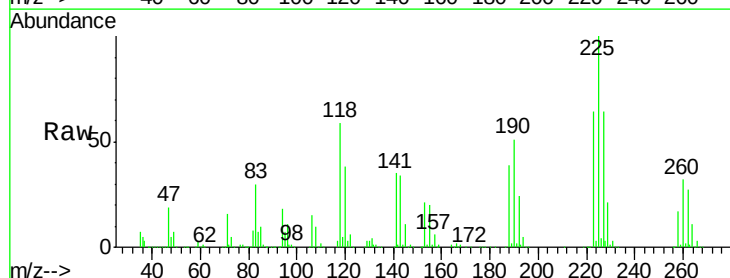
Manual Integrations
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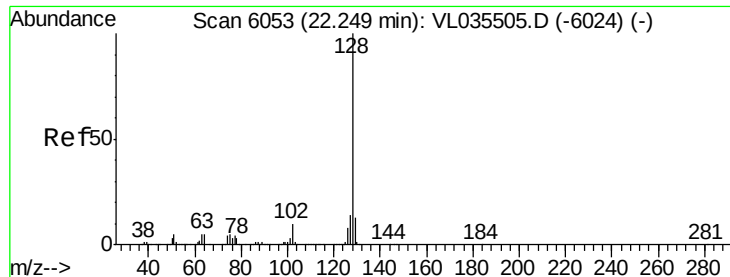
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#78
 Hexachloro-1,3-Butadiene
 Concen: 7.484 ppbv
 RT: 23.39 min Scan# 6409
 Delta R.T. -0.02 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.8	51.7	77.5
227	64.0	51.5	77.3





#79

Naphthalene

Concen: 8.436 ppbv

RT: 22.22 min Scan# 6043

Delta R.T. -0.03 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:128 Resp: 4967858

Ion Ratio Lower Upper

128 100

127 13.5 11.4 17.2

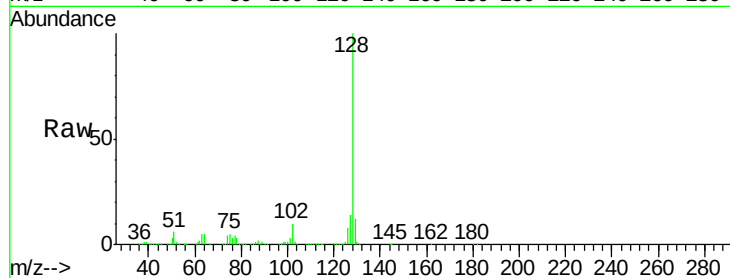
129 12.3 10.5 15.7

Manual Integrations

APPROVED

MMDadoda

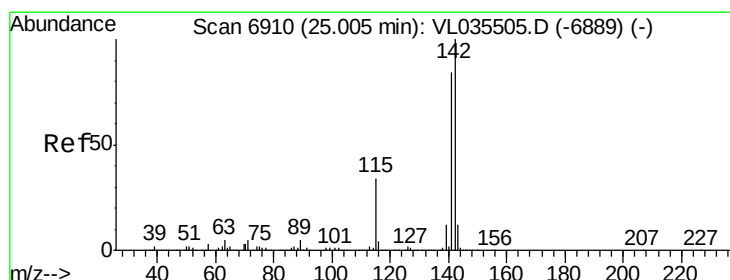
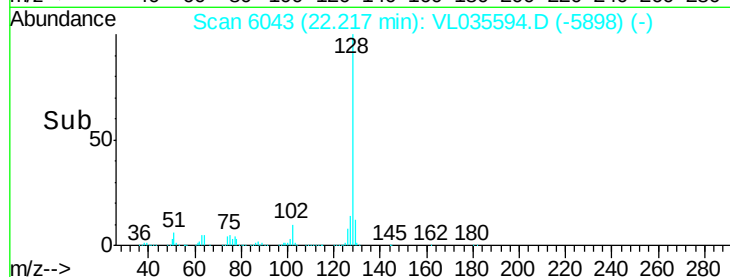
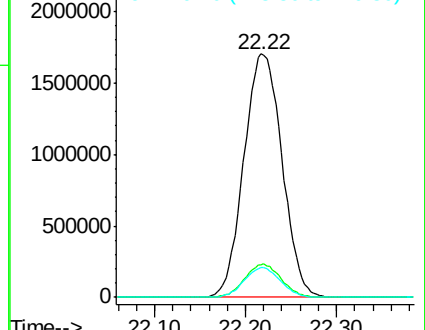
9/11/2020 2:03:13 PM



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: 8.061 ppbv

RT: 24.99 min Scan# 6905

Delta R.T. -0.02 min

Lab File: VL035594.D

Acq: 11 Sep 2020 8:47

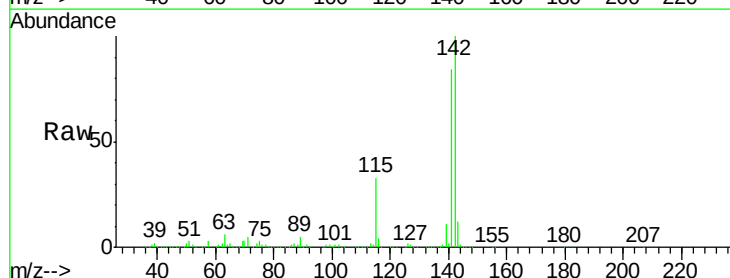
Tgt Ion:142 Resp: 1620408

Ion Ratio Lower Upper

142 100

141 84.6 67.6 101.4

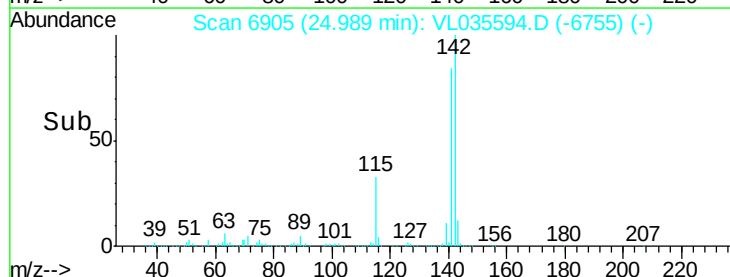
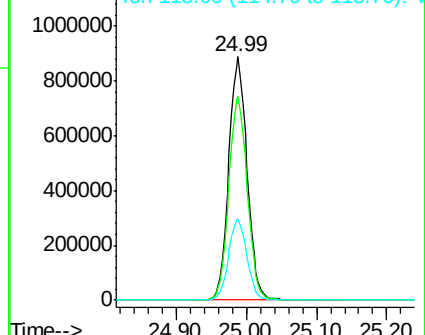
115 33.4 25.8 38.8

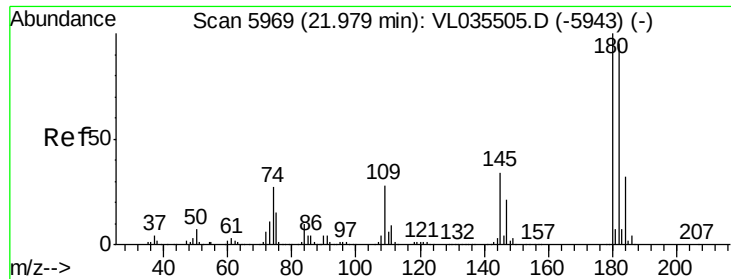


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 7.629 ppbv
 RT: 21.95 min Scan# 5959
 Delta R.T. -0.03 min
 Lab File: VL035594.D
 Acq: 11 Sep 2020 8:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.3	114.5
184	31.1	25.3	37.9

Manual Integrations
 APPROVED

MMDadoda
 9/11/2020 2:03:13 PM

