

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL072320\
 Data File : VL035225.D
 Acq On : 23 Jul 2020 11:47
 Operator : SY/AP
 Sample : VL0723ABS01
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VL0723ABS01

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 12:29:30 PM

Quant Time: Jul 25 11:19:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 08 07:05:23 2020
 QLast Update : Wed Jul 08 07:05:23 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1341269	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3184128	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.11	117	3162717m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	2511095	9.77	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.70%

Target Compounds					Qvalue
2) Dichlorodifluoromethane	3.00	85	1398269	7.439	ppbv 98
3) Chlorodifluoromethane	2.94	51	1409408	9.513	ppbv 100
4) Chloromethane	3.09	50	805676	9.649	ppbv 93
5) Vinyl Chloride	3.21	62	833268	9.338	ppbv 99
6) Bromomethane	3.43	94	521661	10.301	ppbv 97
7) Chloroethane	3.51	64	313462	9.937	ppbv 97
8) Dichlorotetrafluoroethane	3.14	85	1911636	9.279	ppbv 99
9) Propene	2.96	41	564609	10.084	ppbv 99
10) Heptane	8.12	43	1618126	11.257	ppbv 99
11) Trichlorofluoromethane	3.91	101	2084217	9.819	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.45	101	1467093	9.841	ppbv 99
13) Ethanol	3.56	45	147241	8.260	ppbv 92
14) Bromoethene	3.70	108	634470	10.341	ppbv 100
15) Acetone	3.81	43	1591785	8.766	ppbv 99
16) 1,3-Butadiene	3.28	39	729858	10.471	ppbv 98
17) tert-Butyl alcohol	4.26	59	1810711	11.270	ppbv 100
18) 1,1-Dichloroethene	4.25	96	675094	10.228	ppbv 98
19) Isopropyl Alcohol	3.93	45	1156959	10.561	ppbv 100
20) Methylene Chloride	4.31	84	646833	8.187	ppbv 98
21) Allyl Chloride	4.38	41	1074897	10.170	ppbv 99
22) trans-1,2-Dichloroethene	4.86	96	668011	10.137	ppbv 99
23) Vinyl Acetate	5.05	43	2053297	10.446	ppbv 98
24) 1,1-Dichloroethane	4.99	63	1674687	9.921	ppbv 100
25) Ethyl Acetate	5.66	43	2874236	10.200	ppbv 99
26) Hexane	5.67	57	1307229	10.521	ppbv 99
27) Carbon Disulfide	4.52	76	1780539	10.262	ppbv 99
28) Methyl tert-Butyl Ether	5.01	73	1980722	10.463	ppbv 99
29) Chloroform	5.74	83	2061683	9.897	ppbv 96
30) Cyclohexane	7.13	84	1060509	11.536	ppbv 98
31) cis-1,2-Dichloroethene	5.53	61	1260164	10.723	ppbv 98
32) 1,1,1-Trichloroethane	6.50	97	2045647	9.799	ppbv 99
34) 2-Butanone	5.22	43	1765539	10.388	ppbv 100
35) Carbon Tetrachloride	7.02	117	2121360	10.263	ppbv 97
36) Benzene	6.89	78	2518001	10.926	ppbv 99
37) 1,2-Dichloroethane	6.30	62	1613971	10.436	ppbv 100
38) Trichloroethene	7.84	130	1050798	11.190	ppbv 98
39) 1,2-Dichloropropane	7.61	63	993610	10.842	ppbv 95
40) 1,4-Dioxane	7.83	88	385682	10.571	ppbv # 1
41) Tetrahydrofuran	6.03	42	951582	11.190	ppbv 97
42) Bromodichloromethane	7.80	83	2233200	10.813	ppbv 96
43) Methyl Methacrylate	8.02	69	1161632	11.924	ppbv 97

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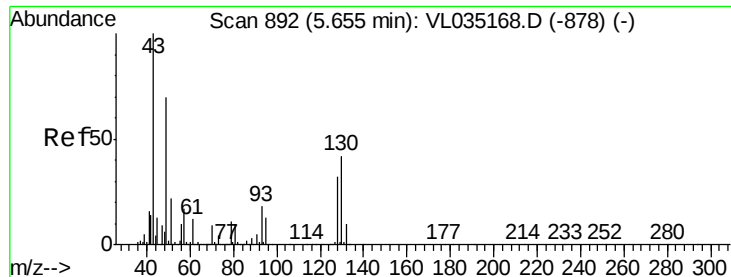
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL070820AIR.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	4413330	11.095	ppbv	99
45) t-1,3-Dichloropropene	9.29	75	1314010	12.839	ppbv	100
46) cis-1,3-Dichloropropene	8.71	75	1552687	12.797	ppbv	98
47) 1,1,2-Trichloroethane	9.49	97	1101748	10.983	ppbv	99
48) Dibromochloromethane	10.32	129	1847952	11.322	ppbv	99
49) Bromoform	13.07	173	1641222	11.495	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	2747922	11.266	ppbv	99
51) 2-Hexanone	10.14	43	2229409	11.987	ppbv	99
52) Tetrachloroethene	11.25	164	926419	10.763	ppbv	99
53) Toluene	9.82	91	2946608	12.115	ppbv	99
54) 1,2-Dibromoethane	10.63	107	1649922	11.083	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.15	131	1434983	10.241	ppbv	94
57) Chlorobenzene	12.17	112	2363331	10.139	ppbv	96
58) Ethyl Benzene	12.73	91	4012448	11.478	ppbv	98
59) m/p-Xylene	13.02	91	6807916m	21.851	ppbv	
60) o-Xylene	13.72	91	3430147	11.035	ppbv	100
61) Styrene	13.56	104	2372191	12.350	ppbv	99
62) Isopropylbenzene	14.70	105	4989754	10.830	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.71	83	2462641	9.481	ppbv	99
64) n-propylbenzene	15.59	120	1340368	11.262	ppbv	95
65) tert-Butylbenzene	16.78	119	4482915	10.833	ppbv	100
66) Benzyl Chloride	17.03	91	1825049	12.379	ppbv	100
67) sec-Butylbenzene	17.33	105	6348454	10.523	ppbv	99
69) p-Isopropyltoluene	17.69	119	5262186	11.129	ppbv	100
70) n-Butylbenzene	18.59	91	5430428	10.832	ppbv	100
71) 2-Chlorotoluene	15.49	91	3822544	10.964	ppbv	99
72) 4-Ethyltoluene	15.87	105	3972546	11.342	ppbv	99
73) 1,3,5-Trimethylbenzene	16.03	105	3750857	11.105	ppbv	99
74) 1,2,4-Trimethylbenzene	16.80	105	3963452	10.619	ppbv	94
75) 1,3-Dichlorobenzene	17.03	146	2296384	9.715	ppbv	99
76) 1,4-Dichlorobenzene	17.18	146	2278528	10.373	ppbv	99
77) 1,2-Dichlorobenzene	17.86	146	2153910	10.121	ppbv	100
78) Hexachloro-1,3-Butadiene	23.42	225	1600548	9.517	ppbv	99
79) Naphthalene	22.25	128	3334587	13.807	ppbv	98
80) Naphthalene,2-methyl-	25.01	142	1272658	22.307	ppbv	98
81) 1,2,4-Trichlorobenzene	21.98	180	1827653m	11.945	ppbv	

(#) = 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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ClientSampleId :

VL0723ABS01

Tgt Ion: 49 Resp: 1341269

Ion Ratio Lower Upper

49 100

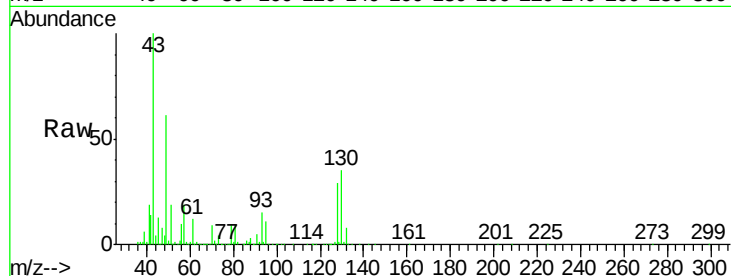
128 47.7 23.8 71.4

130 61.0 29.9 89.8

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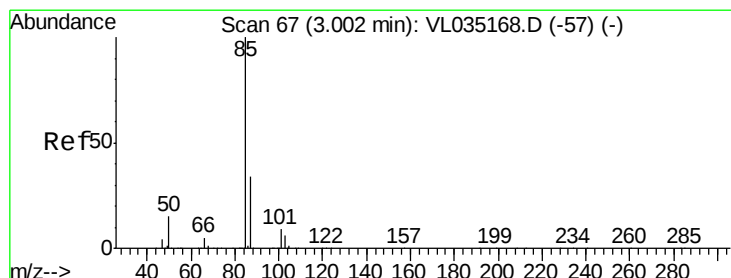
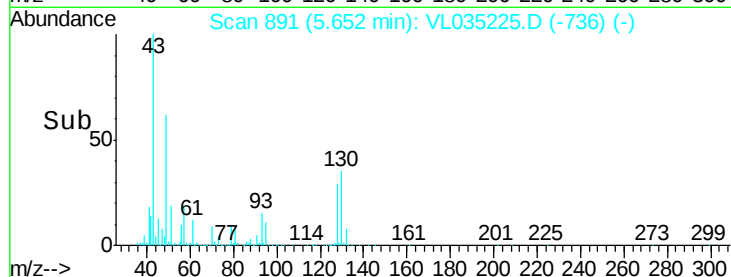
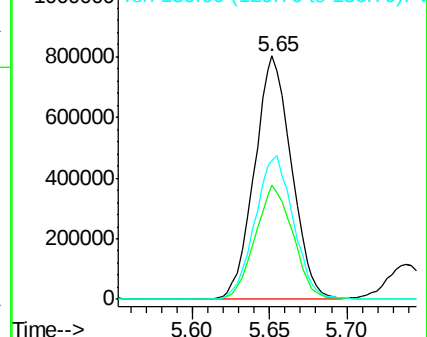
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.439 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.00 min

Lab File: VL035225.D

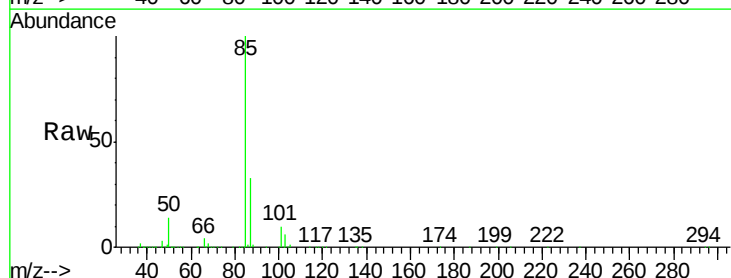
Acq: 23 Jul 2020 11:47

Tgt Ion: 85 Resp: 1398269

Ion Ratio Lower Upper

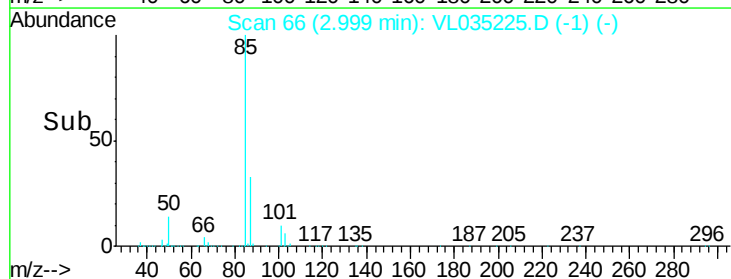
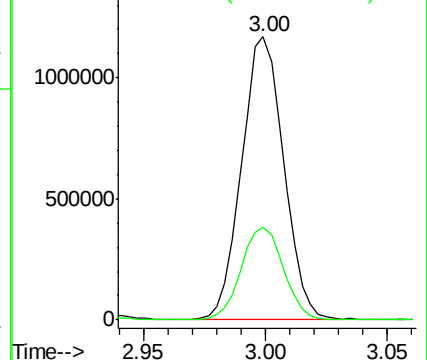
85 100

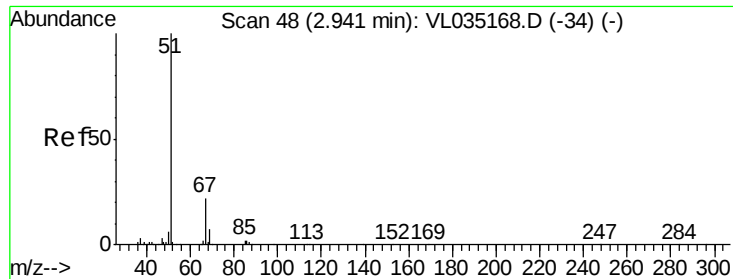
87 32.7 27.0 40.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





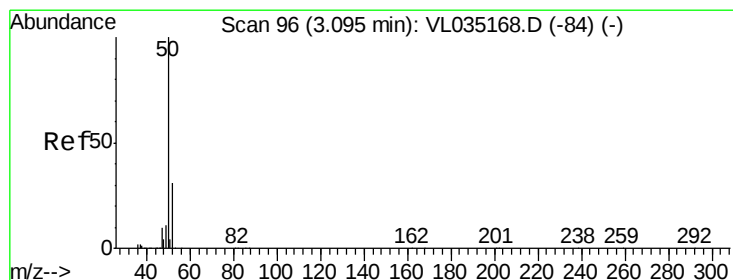
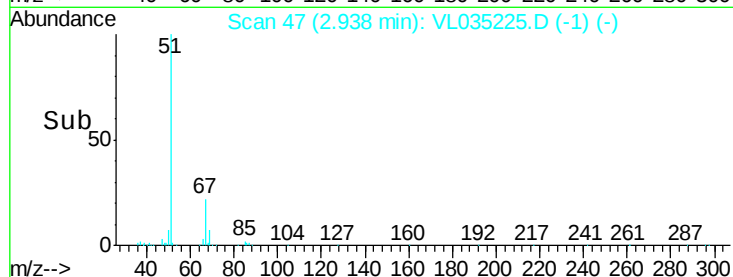
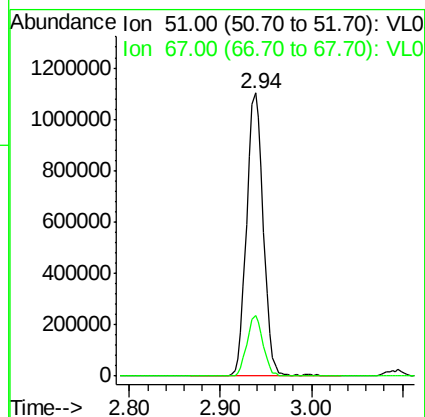
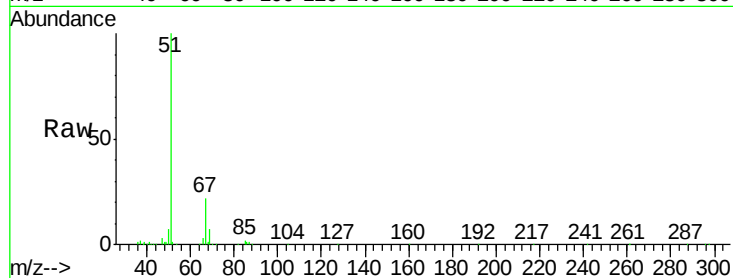
#3
Chlorodifluoromethane
Concen: 9.513 ppbv
RT: 2.94 min Scan# 47
Delta R.T. -0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

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Tgt Ion: 51 Resp: 1409408
Ion Ratio Lower Upper
51 100
67 20.9 16.6 24.8

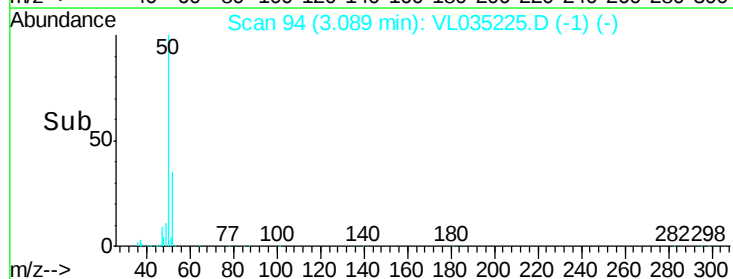
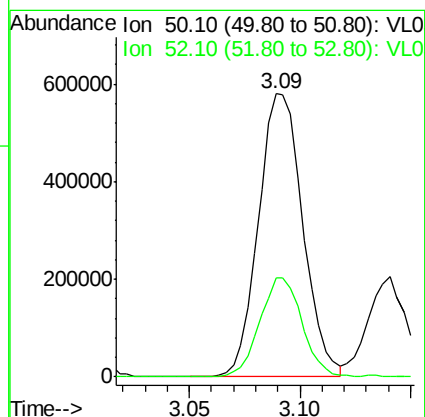
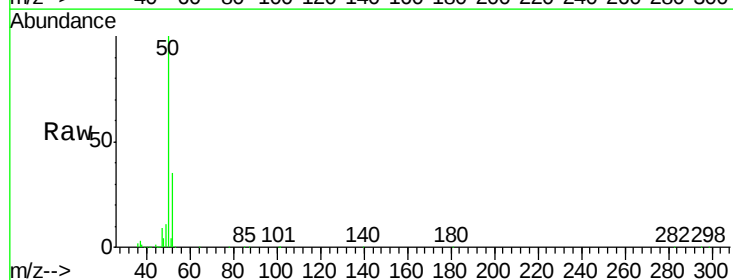
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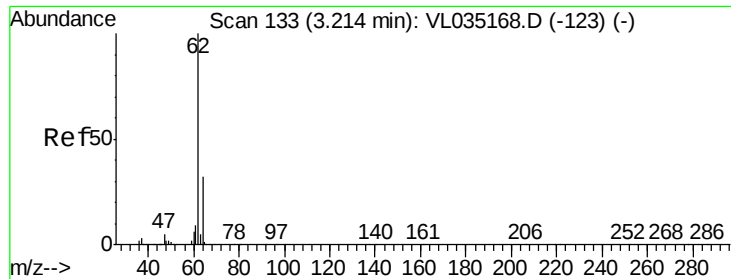
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#4
Chloromethane
Concen: 9.649 ppbv
RT: 3.09 min Scan# 94
Delta R.T. -0.01 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion: 50 Resp: 805676
Ion Ratio Lower Upper
50 100
52 35.0 25.0 37.6





#5

Vinyl Chloride

Concen: 9.338 ppbv

RT: 3.21 min Scan# 132

Delta R.T. -0.00 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Instrument :

MSVOA_L

ClientSampleId :

VL0723ABS01

Tgt Ion: 62 Resp: 833268

Ion Ratio Lower Upper

62 100

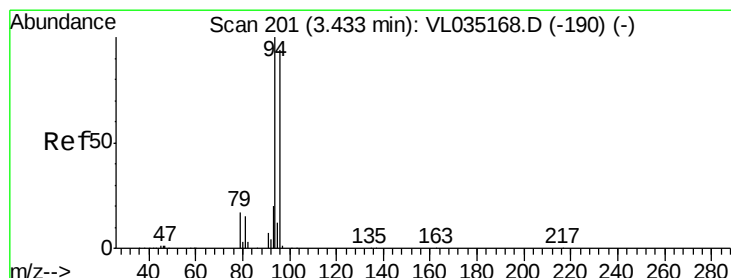
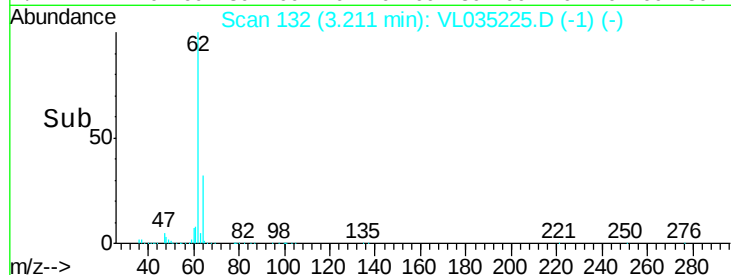
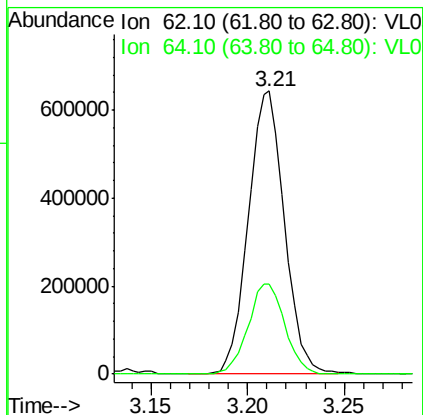
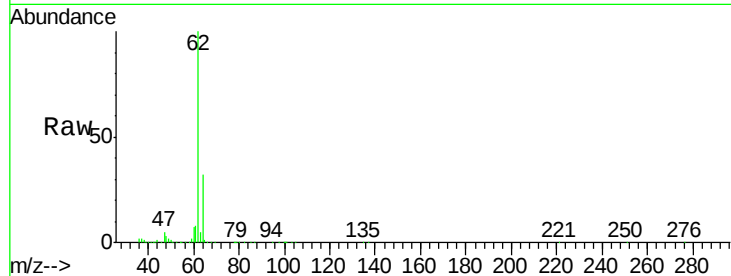
64 31.6 25.9 38.9

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#6

Bromomethane

Concen: 10.301 ppbv

RT: 3.43 min Scan# 199

Delta R.T. -0.01 min

Lab File: VL035225.D

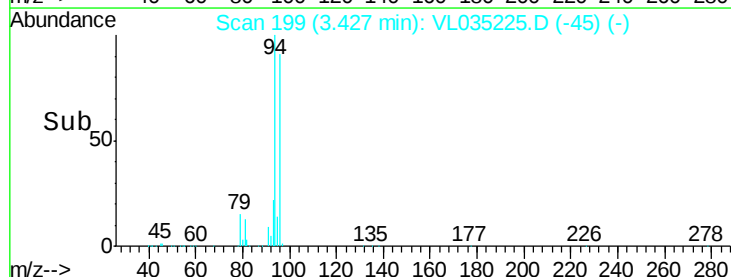
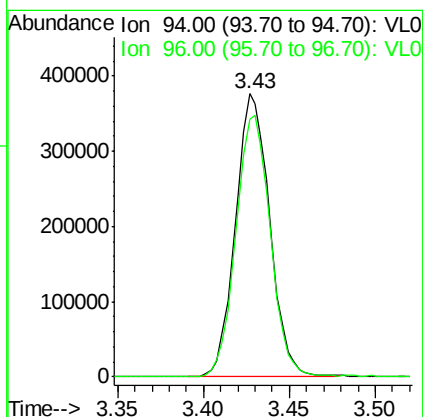
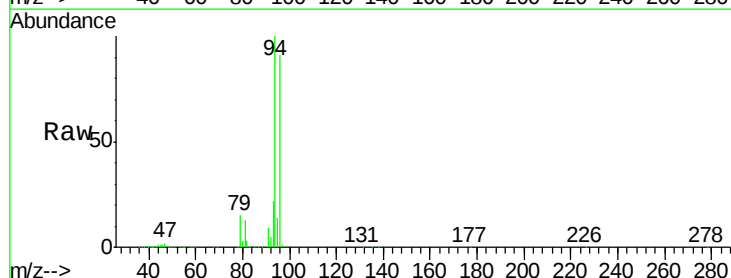
Acq: 23 Jul 2020 11:47

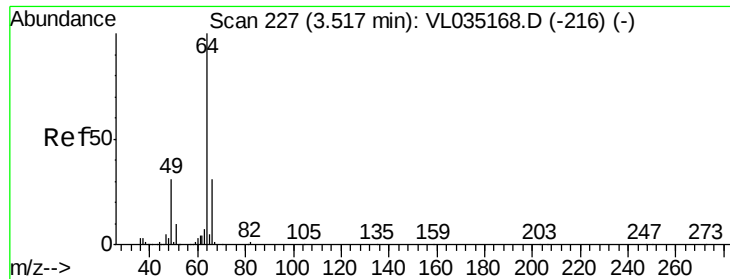
Tgt Ion: 94 Resp: 521661

Ion Ratio Lower Upper

94 100

96 90.8 74.8 112.2





#7

Chloroethane

Concen: 9.937 ppbv

RT: 3.51 min Scan# 225

Delta R.T. -0.01 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Instrument :

MSVOA_L

ClientSampleId :

VL0723ABS01

Tgt Ion: 64 Resp: 313462

Ion Ratio Lower Upper

64 100

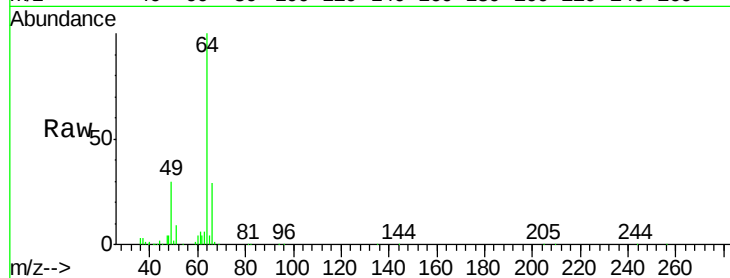
66 29.1 24.6 36.8

Manual Integrations

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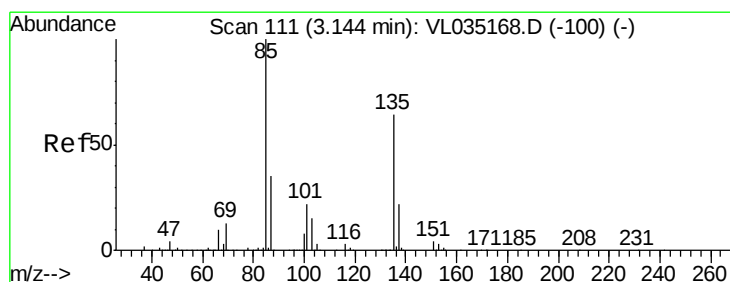
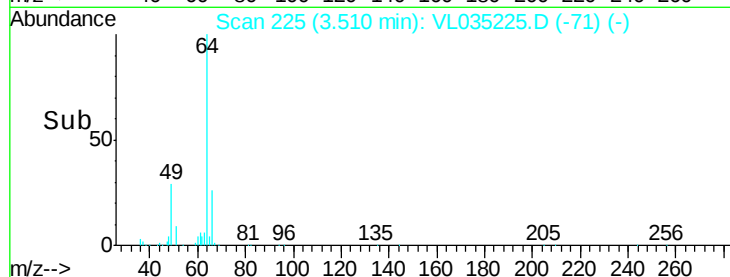
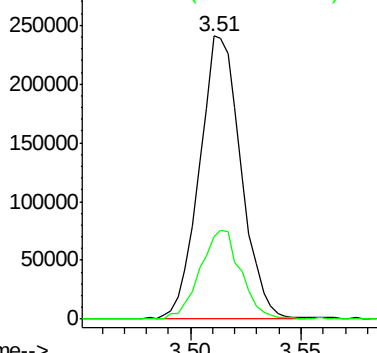
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.279 ppbv

RT: 3.14 min Scan# 110

Delta R.T. -0.00 min

Lab File: VL035225.D

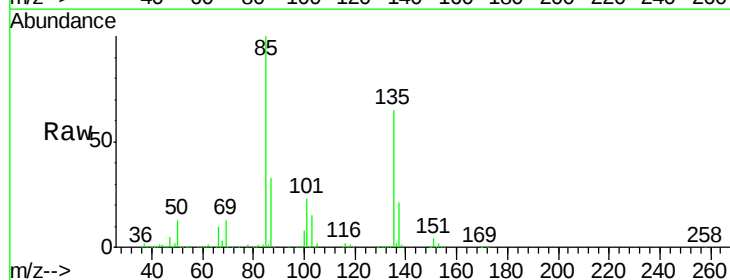
Acq: 23 Jul 2020 11:47

Tgt Ion: 85 Resp: 1911636

Ion Ratio Lower Upper

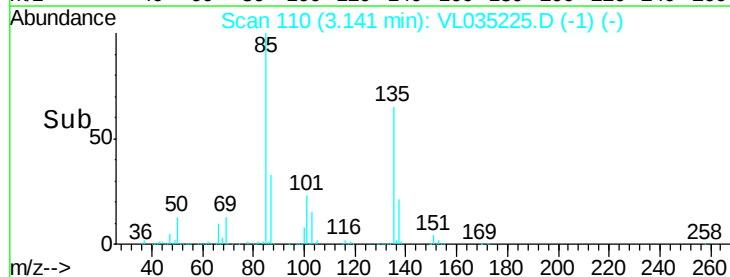
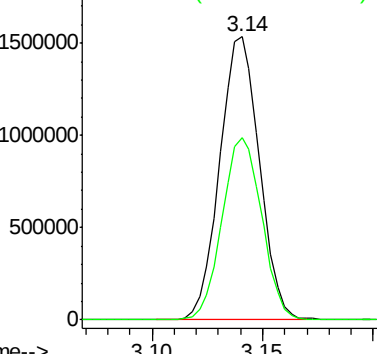
85 100

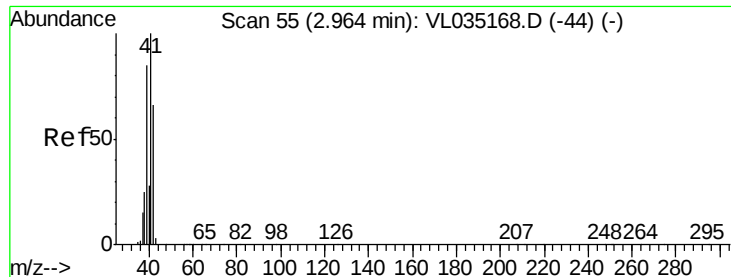
135 64.5 52.1 78.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





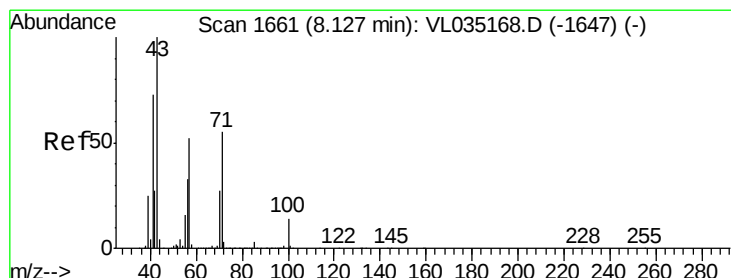
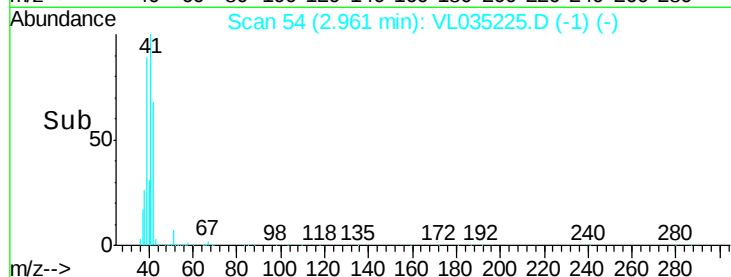
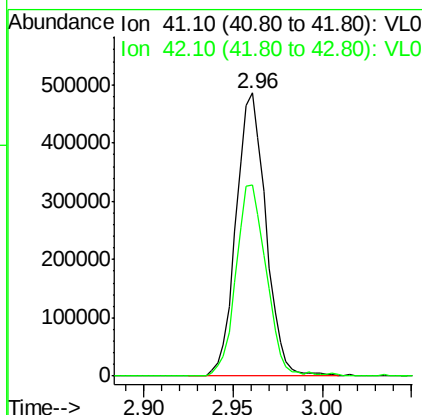
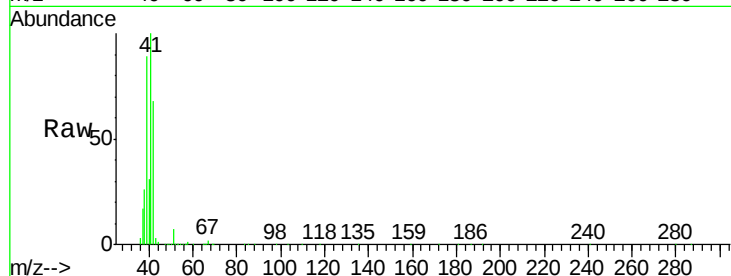
#9
 Propene
 Concen: 10.084 ppbv
 RT: 2.96 min Scan# 54
 Delta R.T. -0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

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 MSVOA_L
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Tgt Ion: 41 Resp: 564609
 Ion Ratio Lower Upper
 41 100
 42 69.4 54.6 81.8

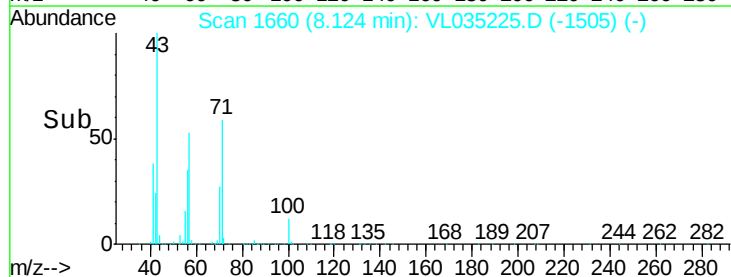
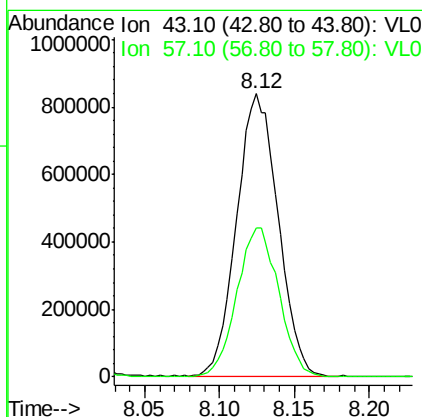
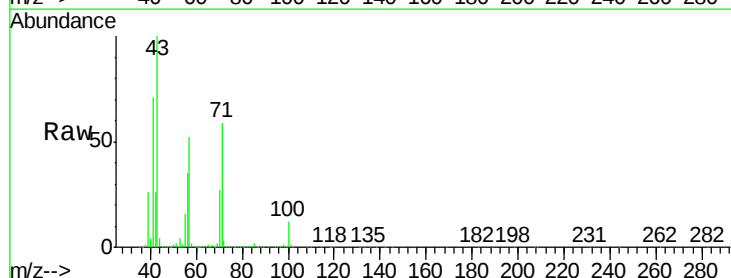
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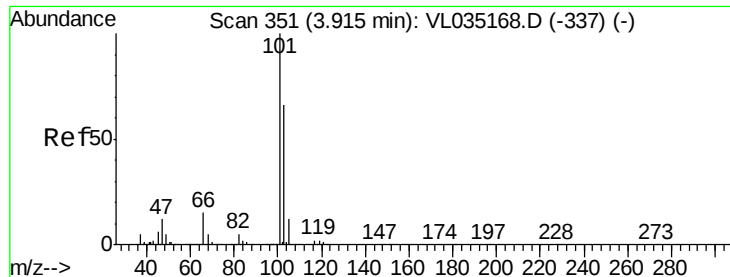
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#10
 Heptane
 Concen: 11.257 ppbv
 RT: 8.12 min Scan# 1660
 Delta R.T. -0.00 min
 Lab File: VL035225.D
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Tgt Ion: 43 Resp: 1618126
 Ion Ratio Lower Upper
 43 100
 57 53.1 41.8 62.6





#11

Trichlorofluoromethane

Concen: 9.819 ppbv

RT: 3.91 min Scan# 349

Delta R.T. -0.01 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Instrument :

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ClientSampleId :

VL0723ABS01

Tgt Ion:101 Resp: 2084217

Ion Ratio Lower Upper

101 100

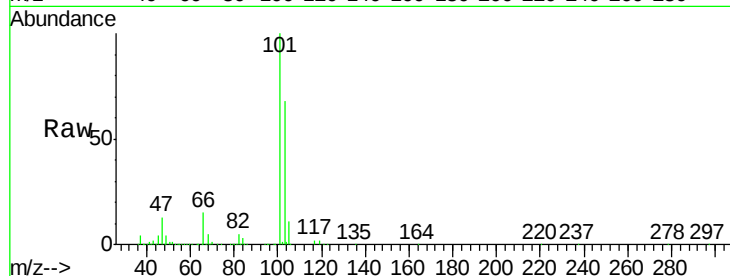
103 68.2 53.1 79.7

Manual Integrations

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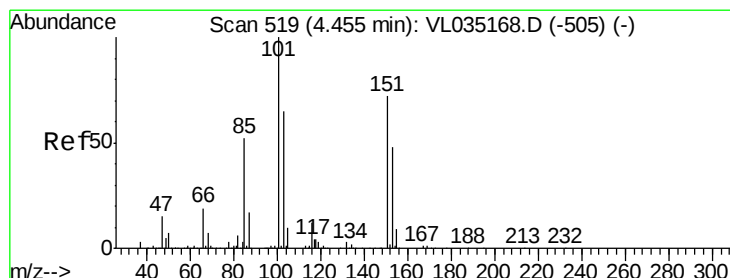
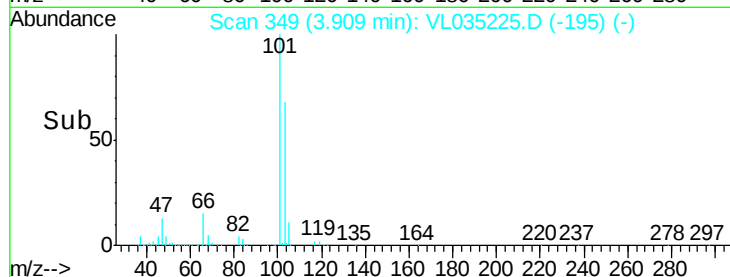
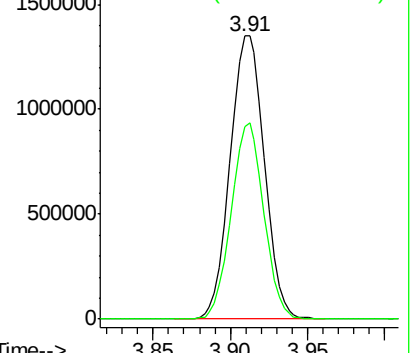
MMDadoda

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.841 ppbv

RT: 4.45 min Scan# 518

Delta R.T. -0.00 min

Lab File: VL035225.D

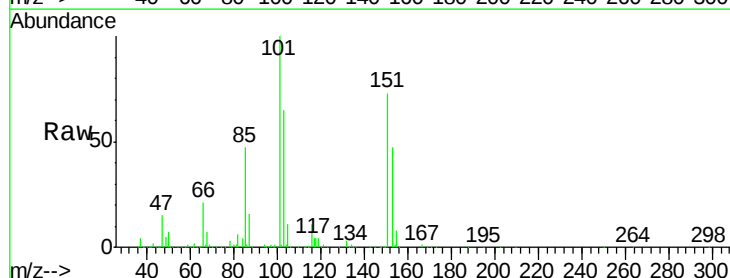
Acq: 23 Jul 2020 11:47

Tgt Ion:101 Resp: 1467093

Ion Ratio Lower Upper

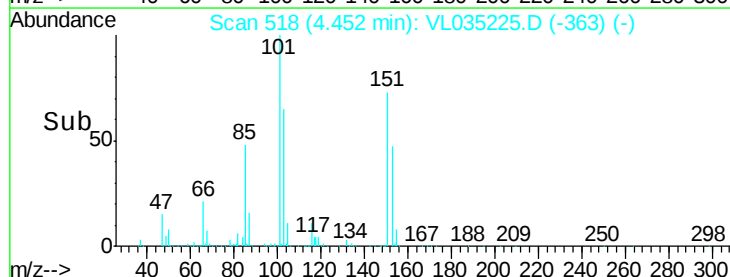
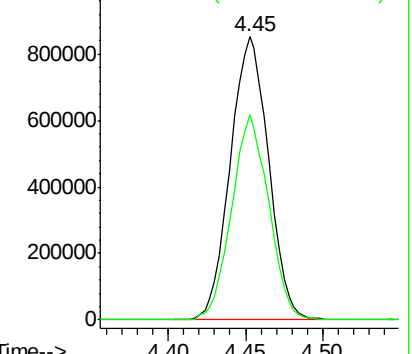
101 100

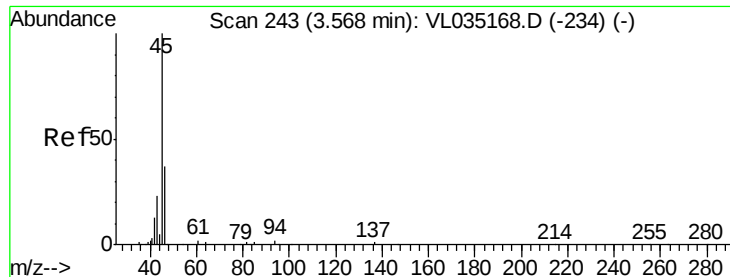
151 70.5 57.0 85.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





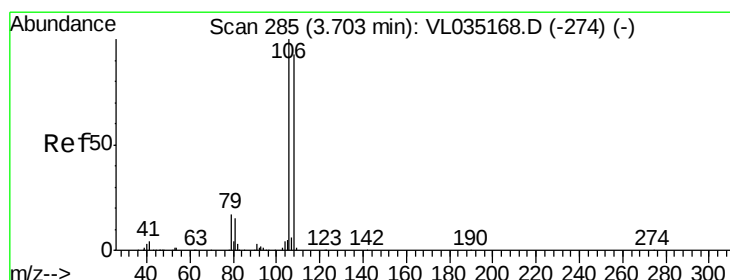
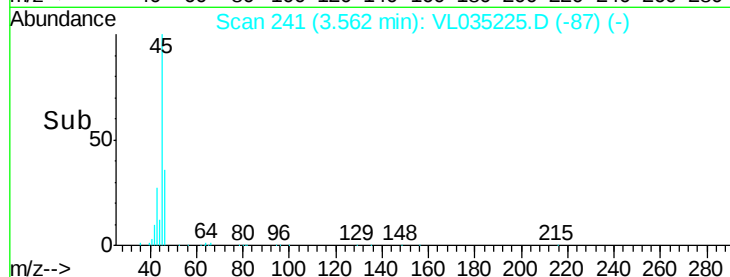
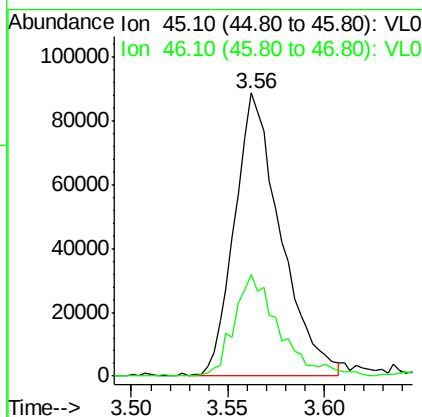
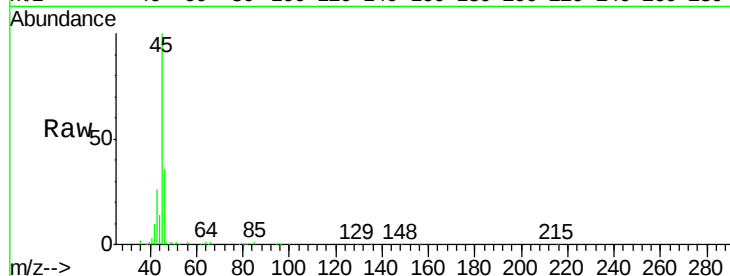
#13
Ethanol
Concen: 8.260 ppbv
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

Tgt Ion: 45 Resp: 147241
Ion Ratio Lower Upper
45 100
46 35.4 16.2 65.0

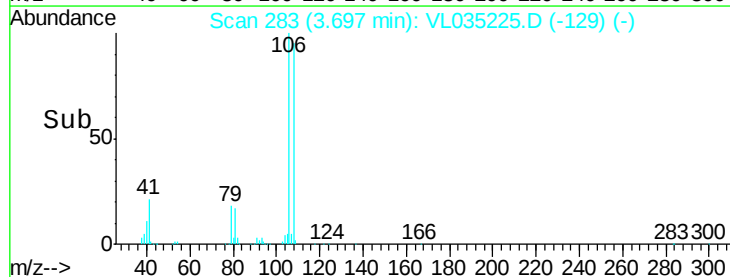
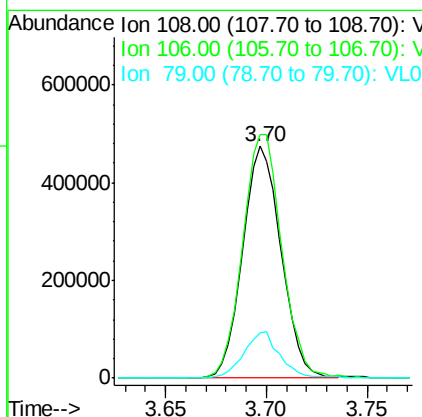
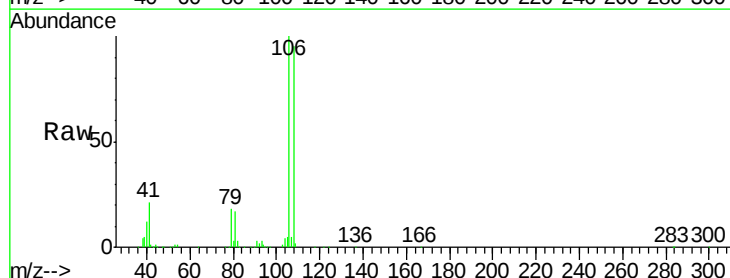
Manual Integrations
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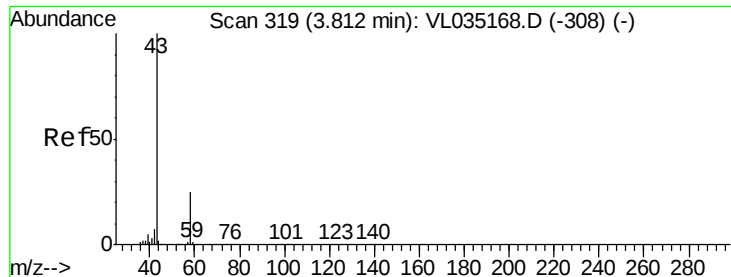
MMDadoda
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#14
Bromoethene
Concen: 10.341 ppbv
RT: 3.70 min Scan# 283
Delta R.T. -0.01 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion: 108 Resp: 634470
Ion Ratio Lower Upper
108 100
106 107.8 86.2 129.2
79 19.0 15.0 22.6





#15

Acetone

Concen: 8.766 ppbv

RT: 3.81 min Scan# 318

Delta R.T. -0.00 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Instrument :

MSVOA_L

ClientSampleId :

VL0723ABS01

Tgt Ion: 43 Resp: 1591785

Ion Ratio Lower Upper

43 100

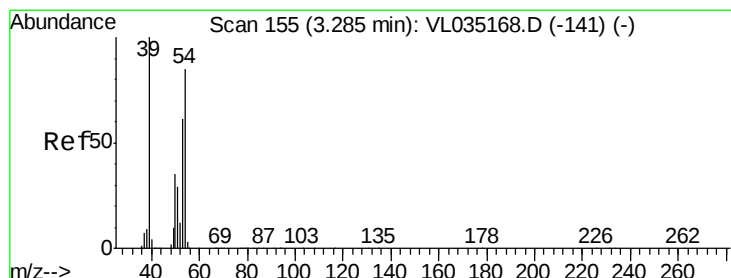
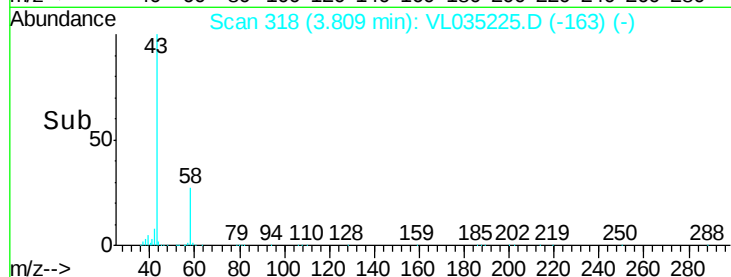
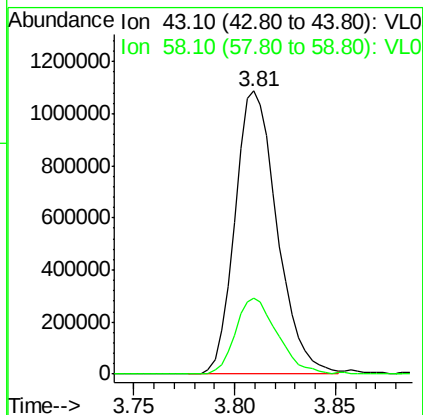
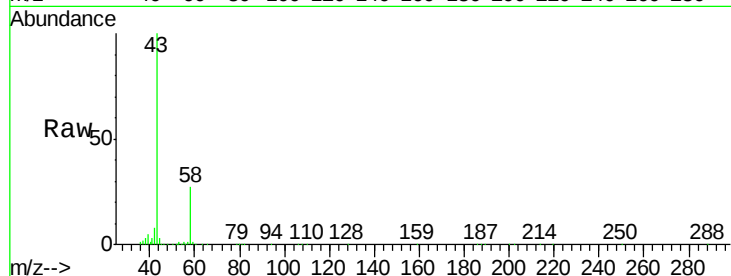
58 27.2 21.3 31.9

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#16

1,3-Butadiene

Concen: 10.471 ppbv

RT: 3.28 min Scan# 153

Delta R.T. -0.01 min

Lab File: VL035225.D

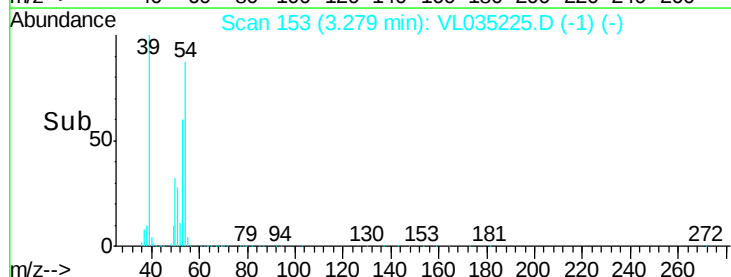
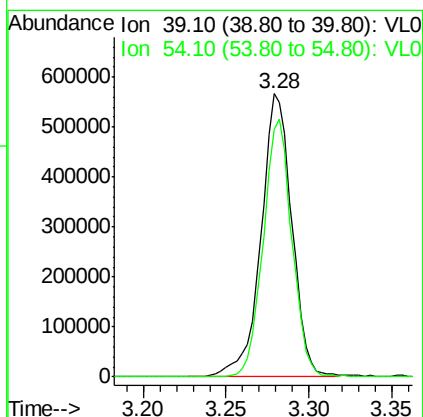
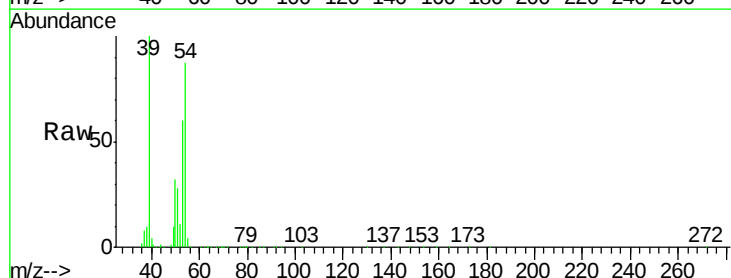
Acq: 23 Jul 2020 11:47

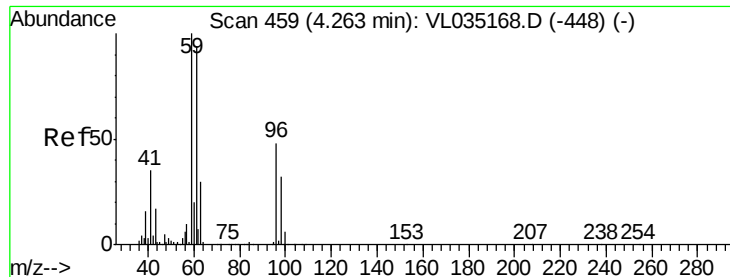
Tgt Ion: 39 Resp: 729858

Ion Ratio Lower Upper

39 100

54 85.5 67.2 100.8





#17

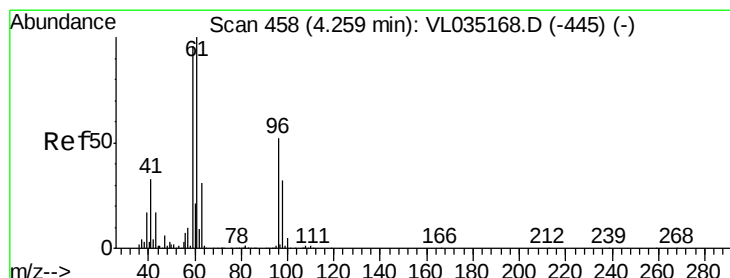
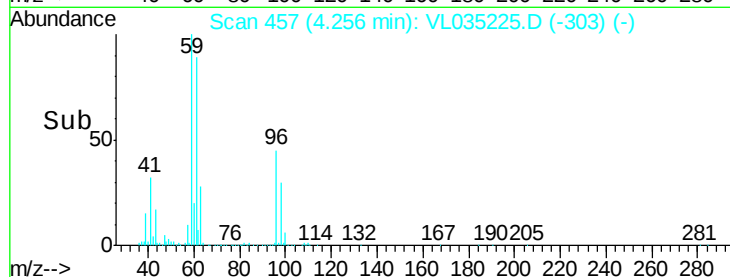
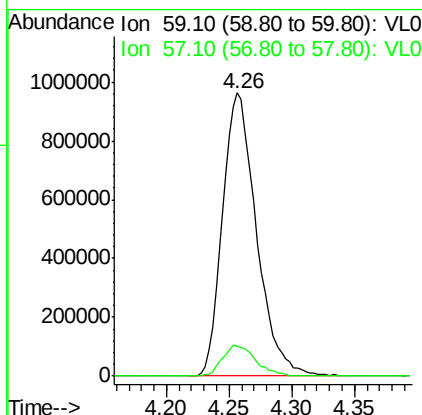
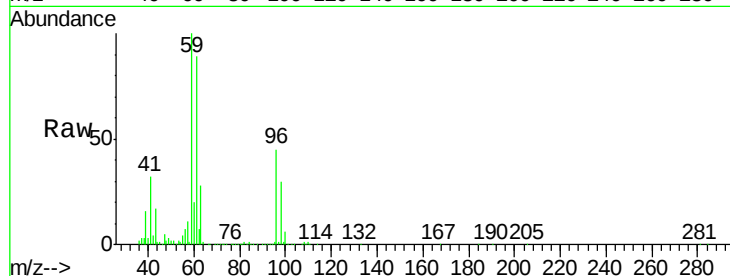
tert-Butyl alcohol
Concen: 11.270 ppbv
RT: 4.26 min Scan# 457
Delta R.T. -0.01 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

Tgt Ion: 59 Resp: 1810711
Ion Ratio Lower Upper
59 100
57 10.9 8.6 12.8

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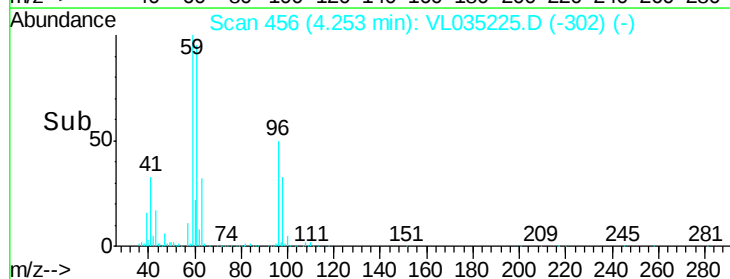
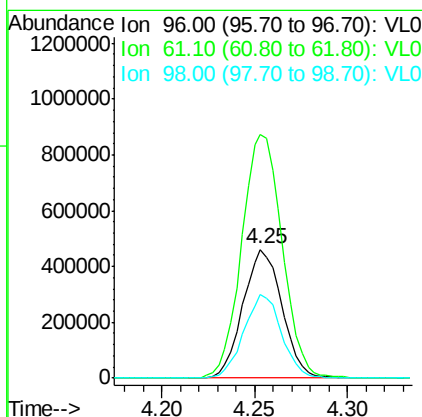
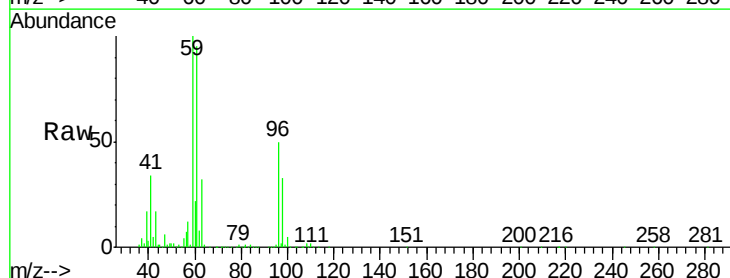
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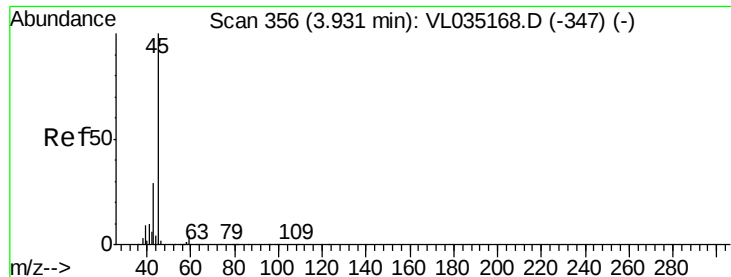


#18

1,1-Dichloroethene
Concen: 10.228 ppbv
RT: 4.25 min Scan# 456
Delta R.T. -0.01 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion: 96 Resp: 675094
Ion Ratio Lower Upper
96 100
61 188.9 152.9 229.3
98 65.0 48.7 73.1





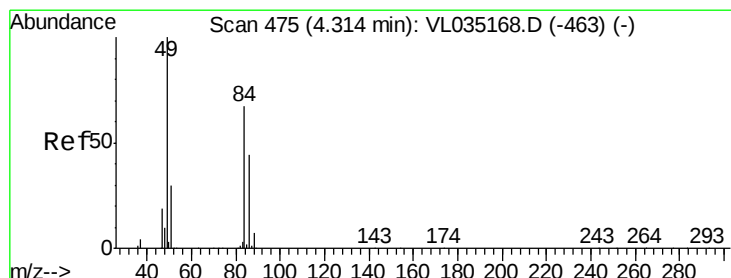
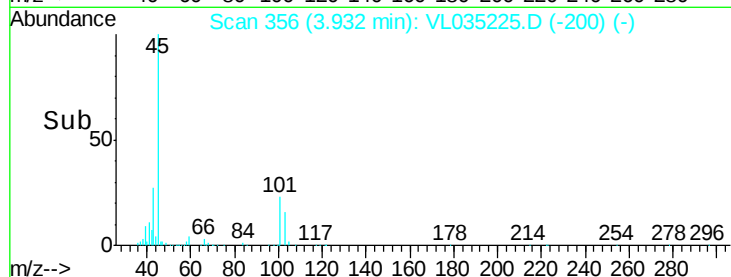
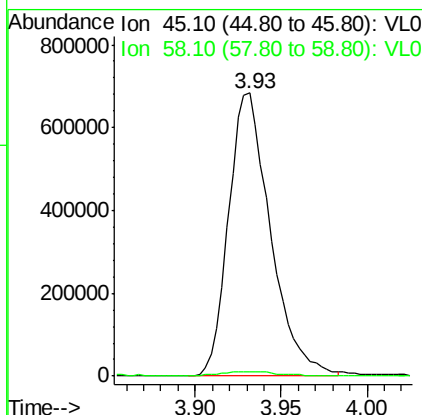
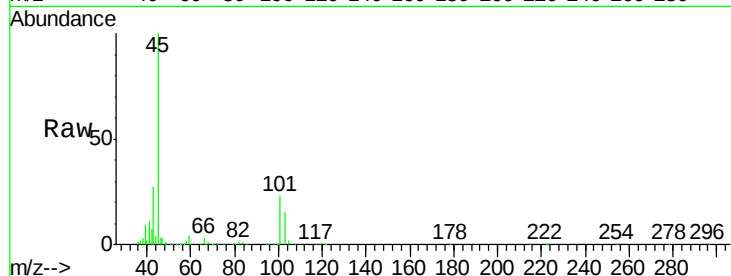
#19
Isopropyl Alcohol
Concen: 10.561 ppbv
RT: 3.93 min Scan# 356
Delta R.T. 0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

Tgt Ion: 45 Resp: 1156959
Ion Ratio Lower Upper
45 100
58 2.5 2.1 3.1

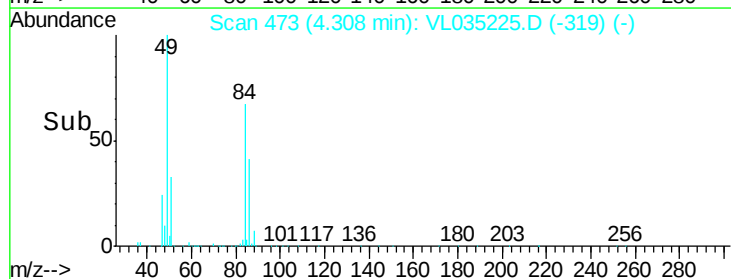
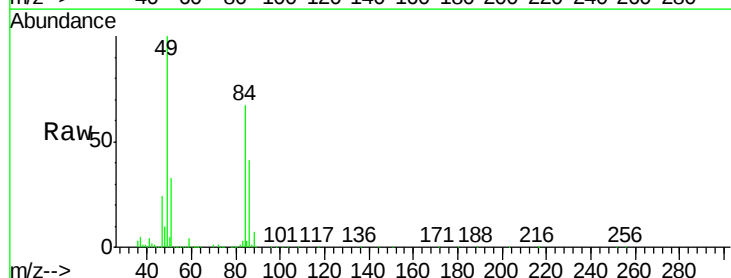
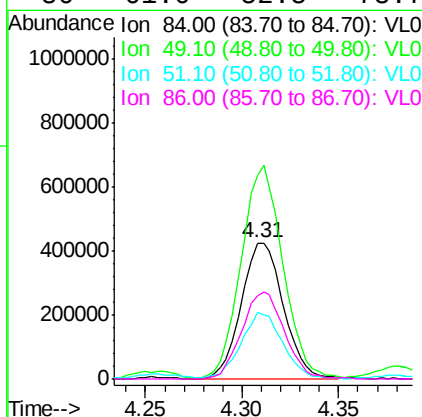
Manual Integrations
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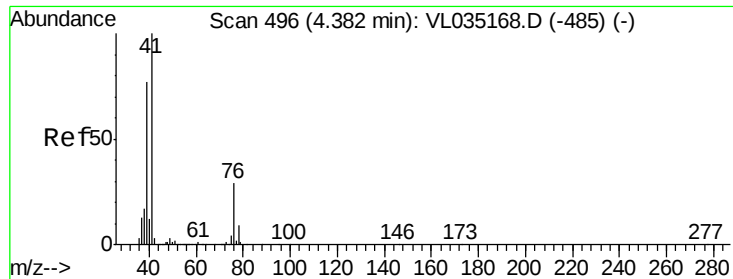
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#20
Methylene Chloride
Concen: 8.187 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.01 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion: 84 Resp: 646833
Ion Ratio Lower Upper
84 100
49 148.7 119.4 179.0
51 48.7 36.6 55.0
86 61.0 52.5 78.7





#21

Allyl Chloride

Concen: 10.170 ppbv

RT: 4.38 min Scan# 495

Delta R.T. -0.00 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Instrument :

MSVOA_L

ClientSampleId :

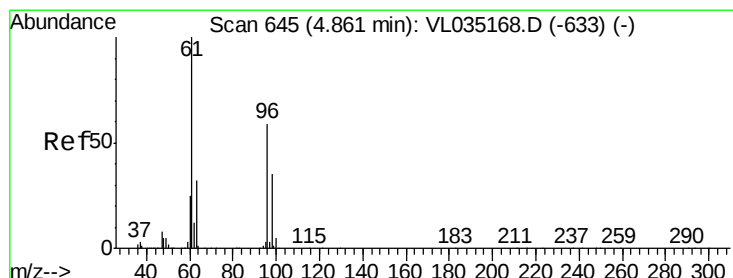
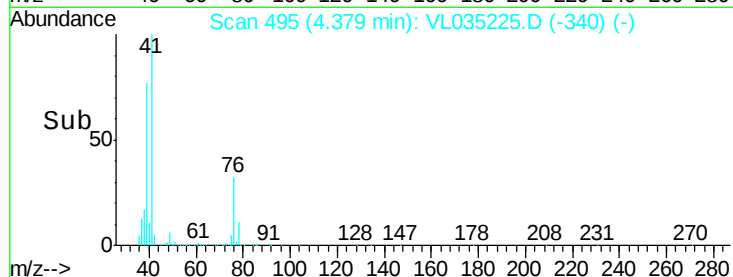
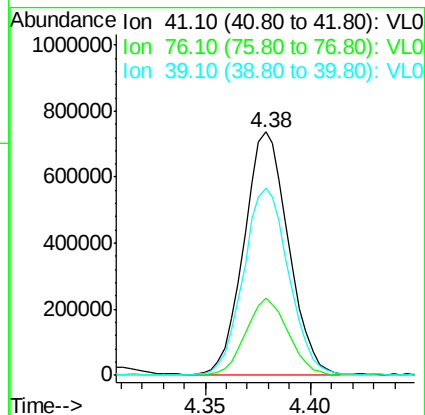
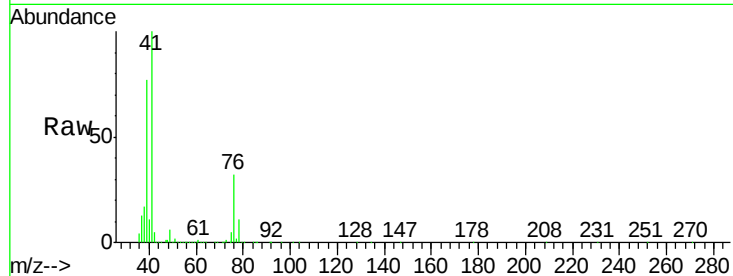
VL0723ABS01

Tgt Ion: 41 Resp: 1074897

Ion	Ratio	Lower	Upper
41	100		
76	30.5	23.5	35.3
39	79.4	63.4	95.0

Manual Integrations
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#22

trans-1,2-Dichloroethene

Concen: 10.137 ppbv

RT: 4.86 min Scan# 644

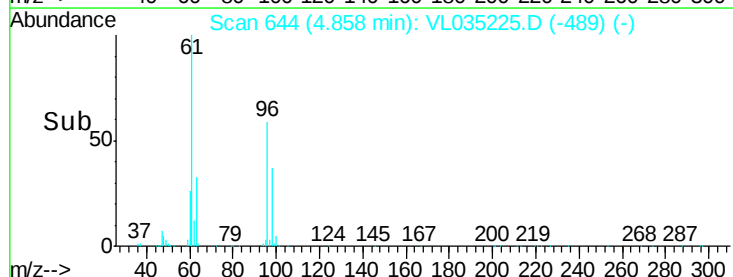
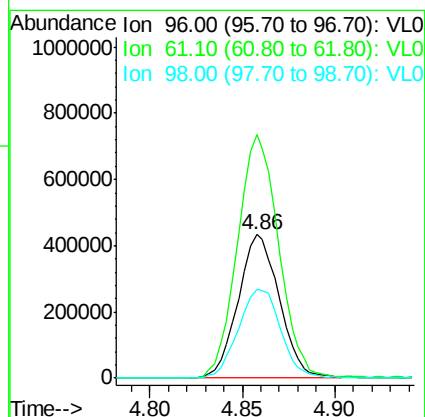
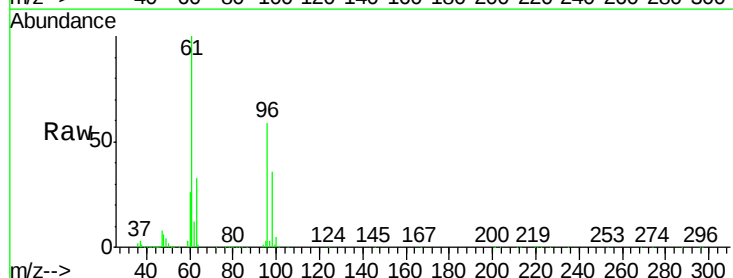
Delta R.T. -0.00 min

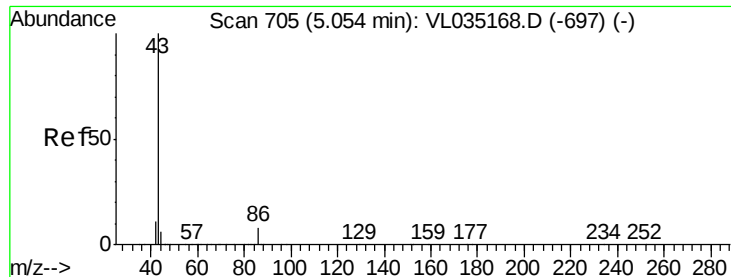
Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Tgt Ion: 96 Resp: 668011

Ion	Ratio	Lower	Upper
96	100		
61	170.0	136.5	204.7
98	61.7	47.5	71.3





#23
 Vinyl Acetate
 Concen: 10.446 ppbv
 RT: 5.05 min Scan# 704
 Delta R.T. -0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

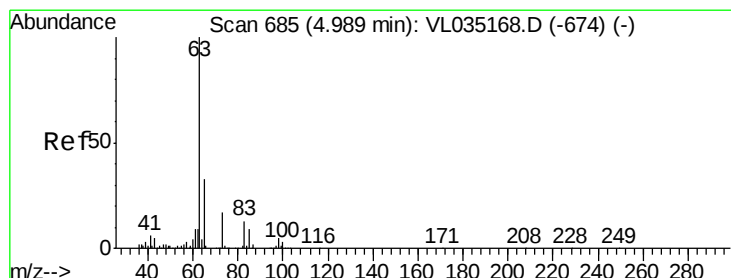
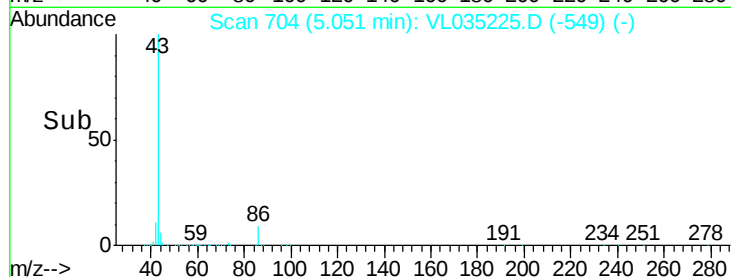
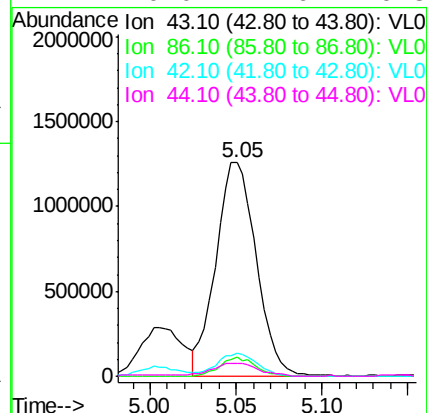
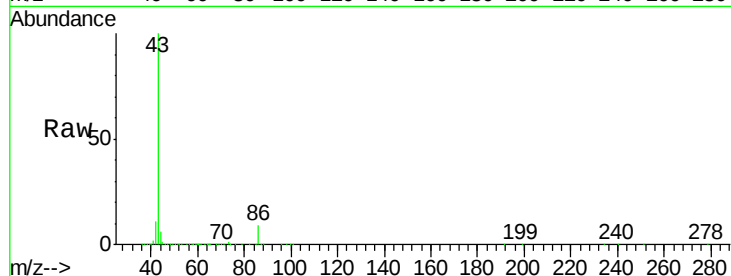
Instrument :
 MSVOA_L
 ClientSampleId :
 VL0723ABS01

Tgt Ion: 43 Resp: 2053297

Ion	Ratio	Lower	Upper
43	100		
86	8.8	6.2	9.2
42	10.8	9.1	13.7
44	6.0	4.6	6.8

Manual Integrations
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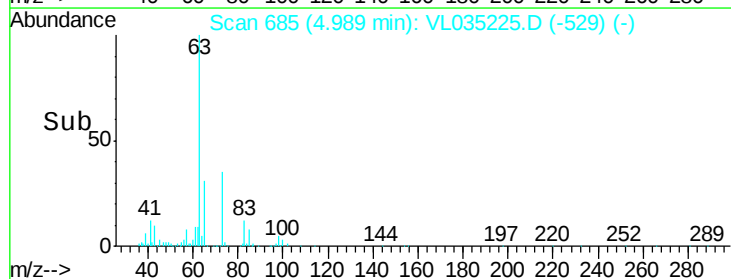
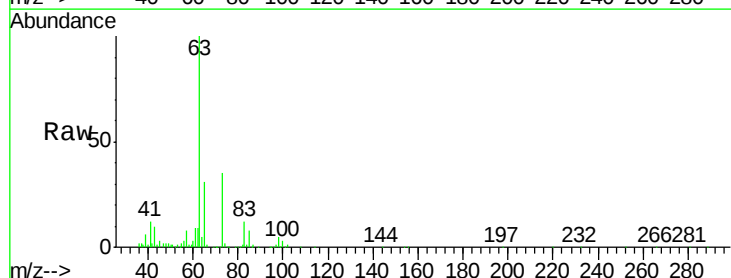
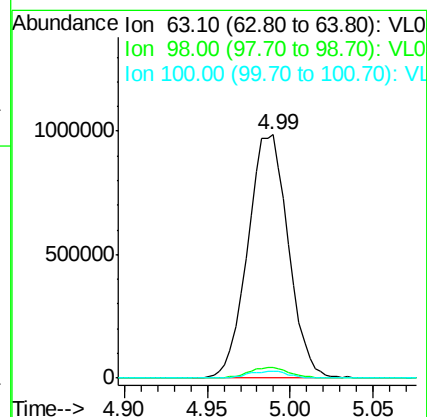
MMDadoda
 7/27/2020 12:29:30 PM

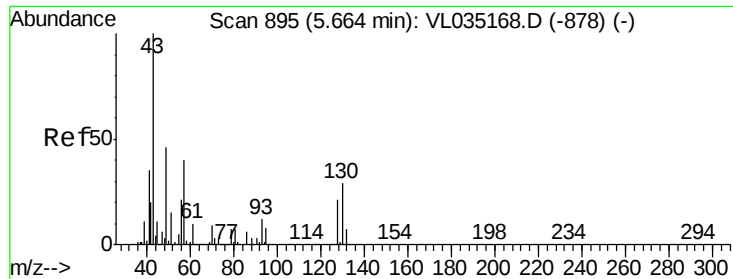


#24
 1,1-Dichloroethane
 Concen: 9.921 ppbv
 RT: 4.99 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Tgt Ion: 63 Resp: 1674687

Ion	Ratio	Lower	Upper
63	100		
98	4.6	2.4	7.1
100	2.7	1.4	4.0





#25
Ethyl Acetate
Concen: 10.200 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

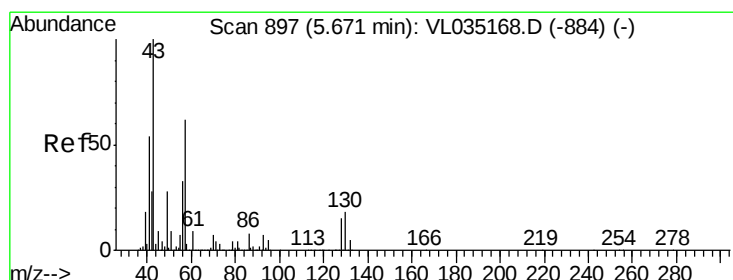
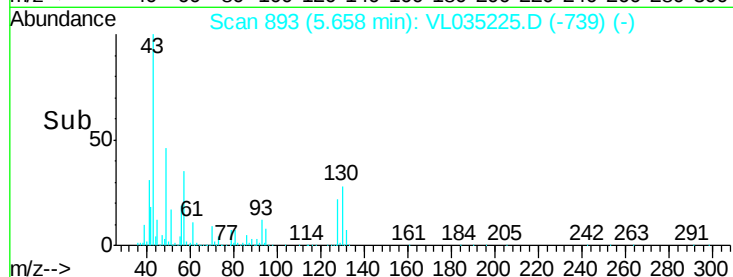
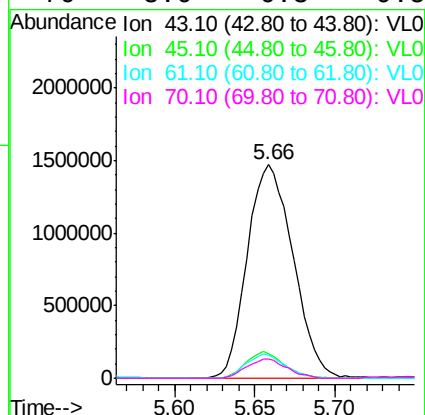
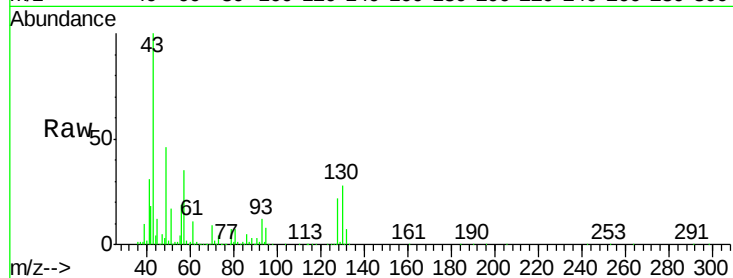
Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

Tgt Ion: 43 Resp: 2874236

Ion	Ratio	Lower	Upper
43	100		
45	10.4	8.5	12.7
61	9.7	8.1	12.1
70	8.0	6.3	9.5

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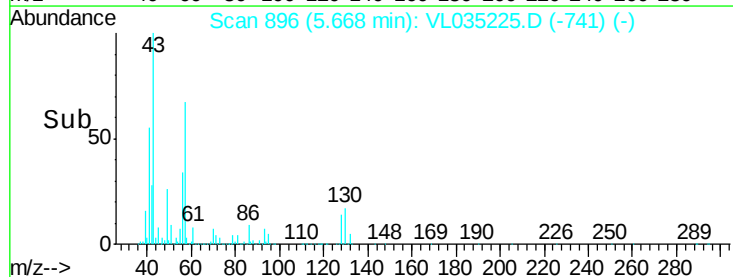
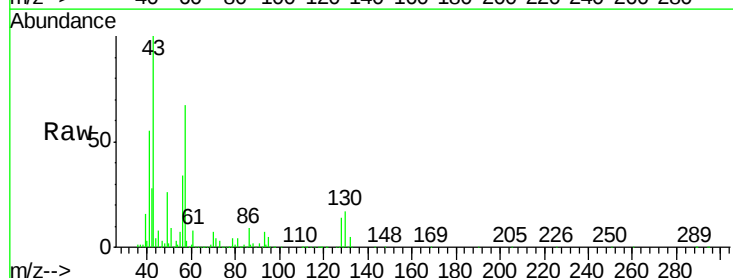
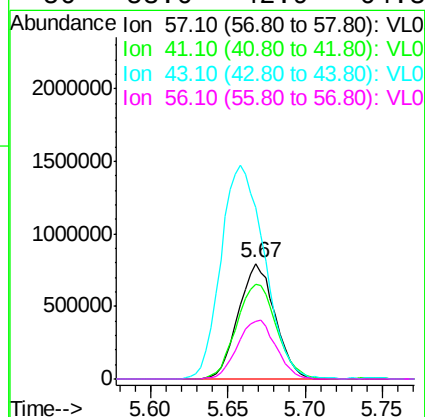
MMDadoda
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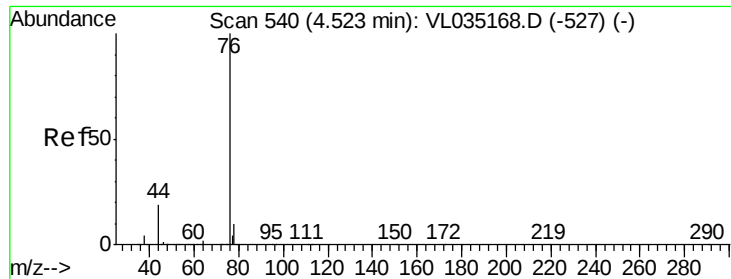


#26
Hexane
Concen: 10.521 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion: 57 Resp: 1307229

Ion	Ratio	Lower	Upper
57	100		
41	90.4	72.9	109.3
43	221.7	179.5	269.3
56	53.6	42.9	64.3





#27

Carbon Disulfide

Concen: 10.262 ppbv

RT: 4.52 min Scan# 538

Delta R.T. -0.01 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Instrument :

MSVOA_L

ClientSampleId :

VL0723ABS01

Tgt Ion: 76 Resp: 1780539

Ion Ratio Lower Upper

76 100

44 18.3 14.9 22.3

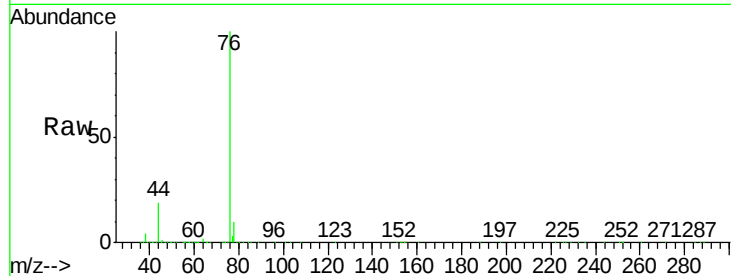
78 9.7 7.5 11.3

Manual Integrations

APPROVED

MMDadoda

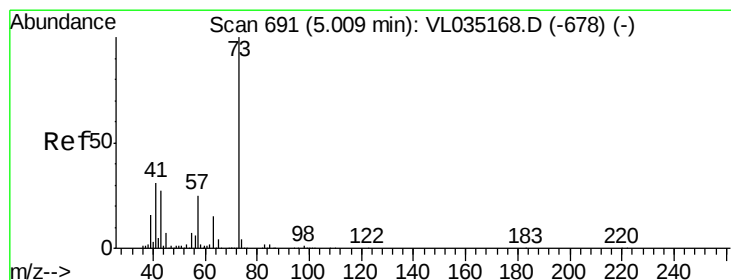
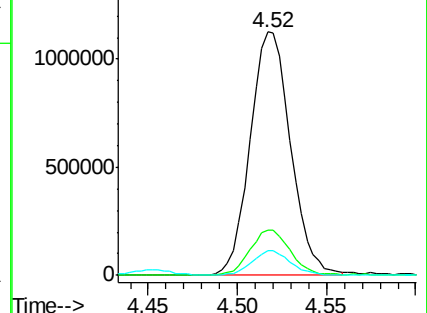
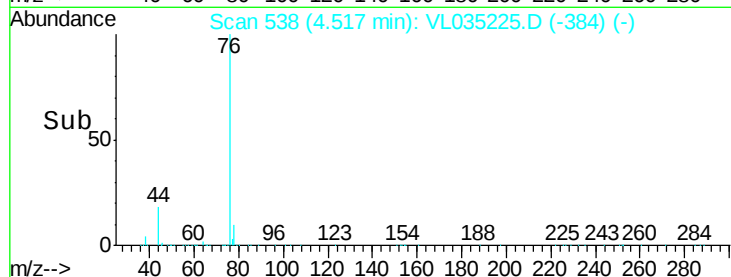
7/27/2020 12:29:30 PM



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 10.463 ppbv

RT: 5.01 min Scan# 690

Delta R.T. -0.00 min

Lab File: VL035225.D

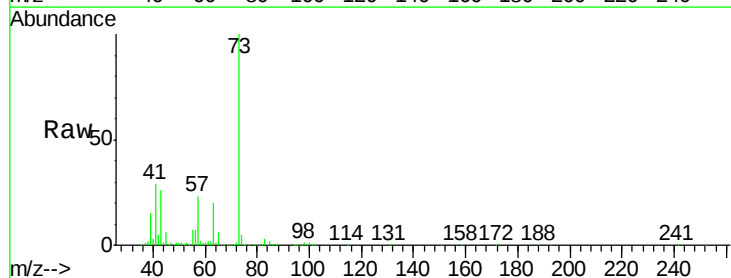
Acq: 23 Jul 2020 11:47

Tgt Ion: 73 Resp: 1980722

Ion Ratio Lower Upper

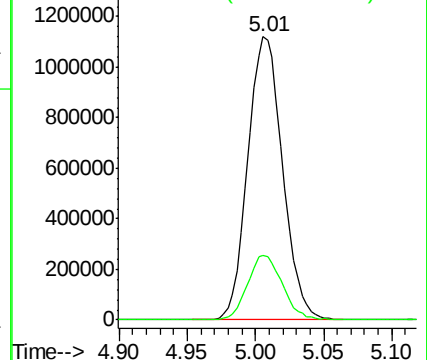
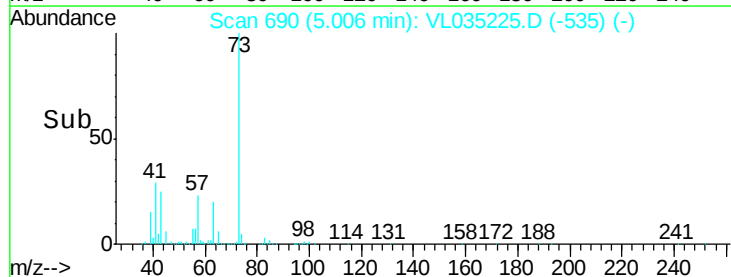
73 100

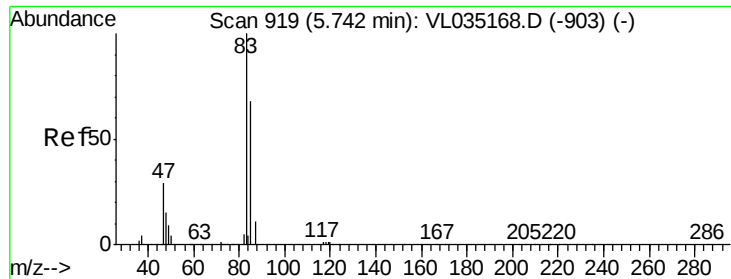
57 23.0 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





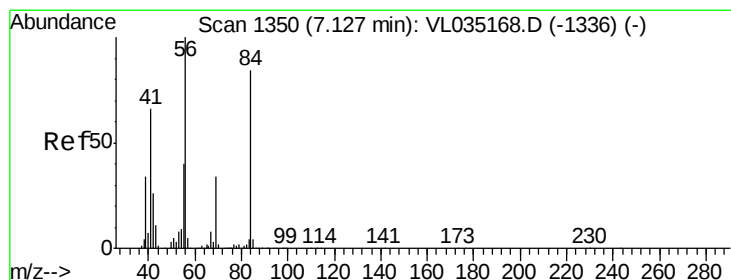
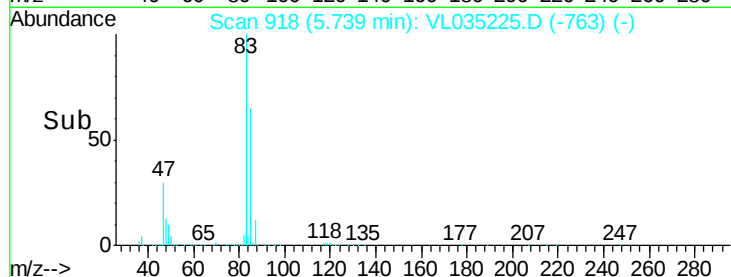
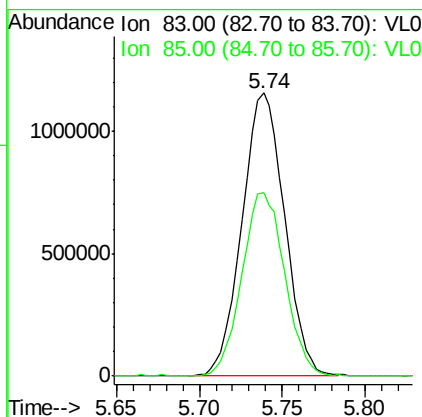
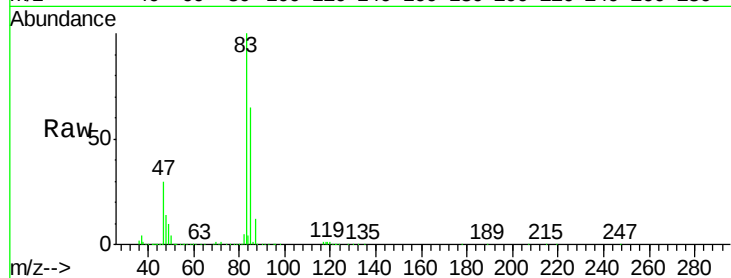
#29
Chloroform
Concen: 9.897 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

Tgt Ion: 83 Resp: 2061683
Ion Ratio Lower Upper
83 100
85 64.9 54.3 81.5

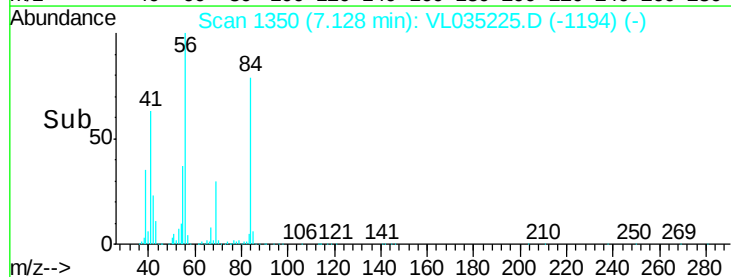
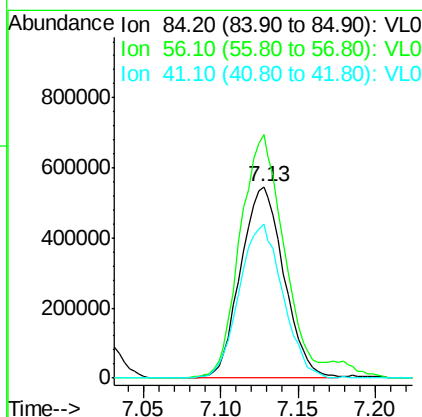
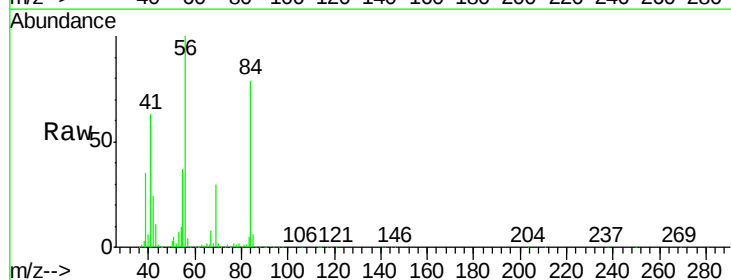
Manual Integrations
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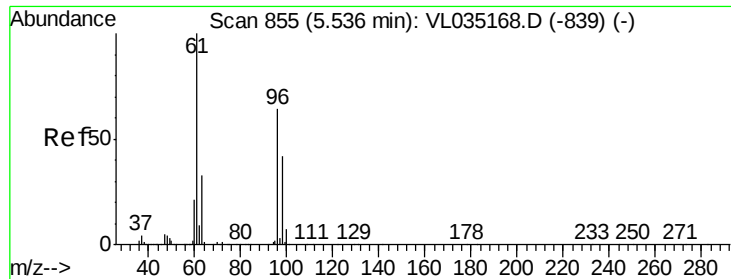
MMDadoda
7/27/2020 12:29:30 PM



#30
Cyclohexane
Concen: 11.536 ppbv
RT: 7.13 min Scan# 1350
Delta R.T. 0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion: 84 Resp: 1060509
Ion Ratio Lower Upper
84 100
56 134.9 105.6 158.4
41 81.2 64.9 97.3





#31

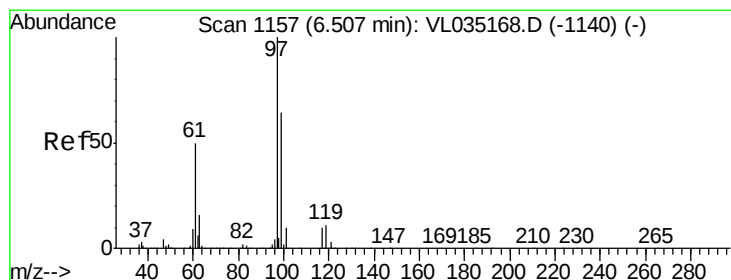
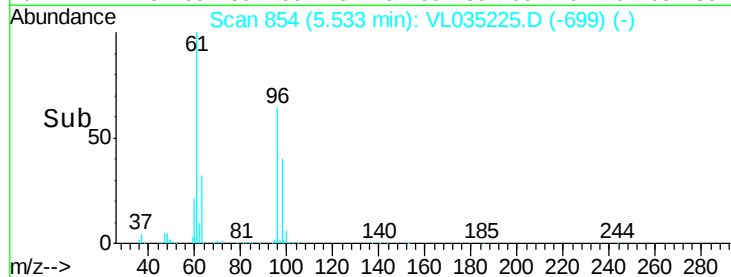
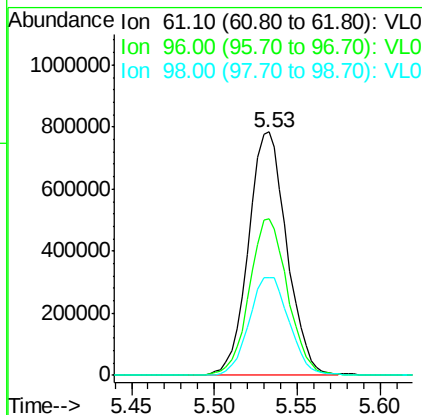
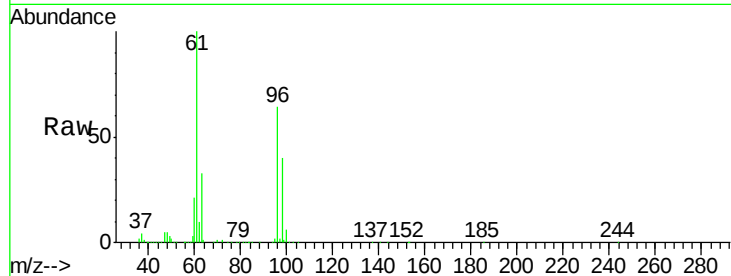
cis-1,2-Dichloroethene
 Concen: 10.723 ppbv
 RT: 5.53 min Scan# 854
 Delta R.T. -0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0723ABS01

Tgt Ion	Ratio	Lower	Upper
61	100		
96	64.4	51.3	76.9
98	40.2	33.8	50.8

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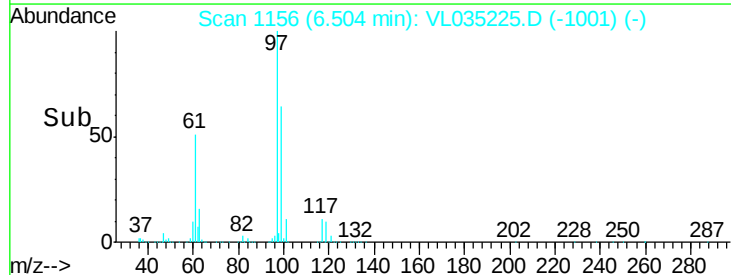
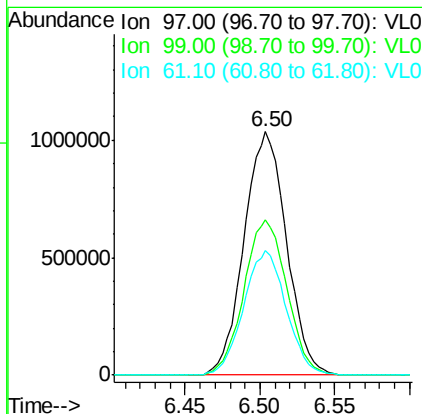
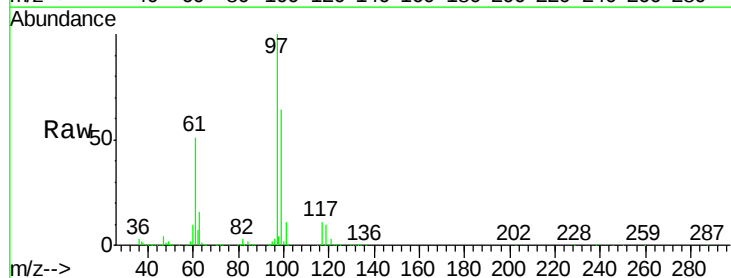
MMDadoda
 7/27/2020 12:29:30 PM

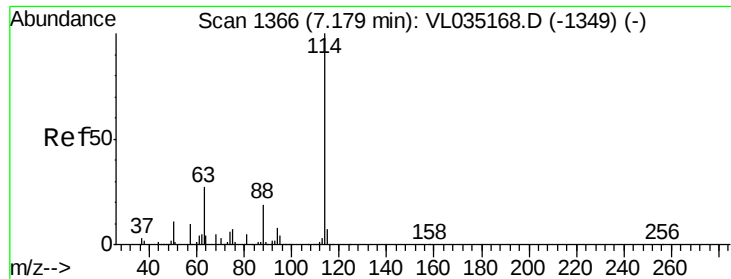


#32

1,1,1-Trichloroethane
 Concen: 9.799 ppbv
 RT: 6.50 min Scan# 1156
 Delta R.T. -0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.6	51.2	76.8
61	51.4	40.9	61.3





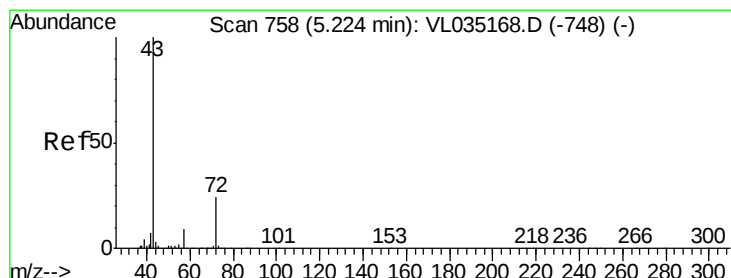
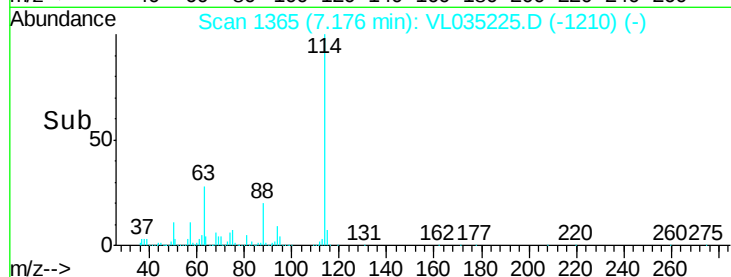
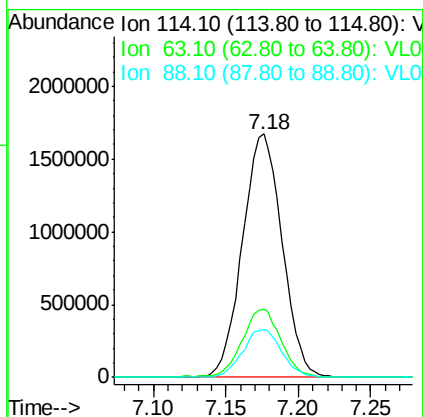
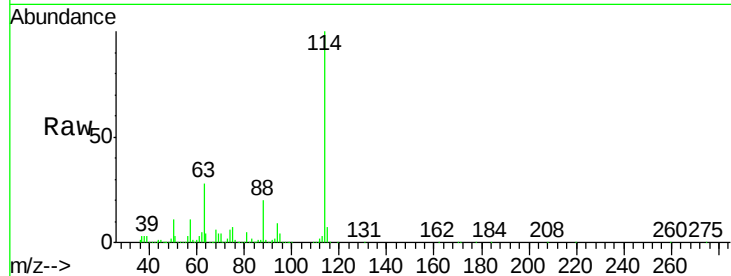
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0723ABS01

Tgt Ion: 114 Resp: 3184128
 Ion Ratio Lower Upper
 114 100
 63 27.8 22.0 33.0
 88 19.4 15.4 23.0

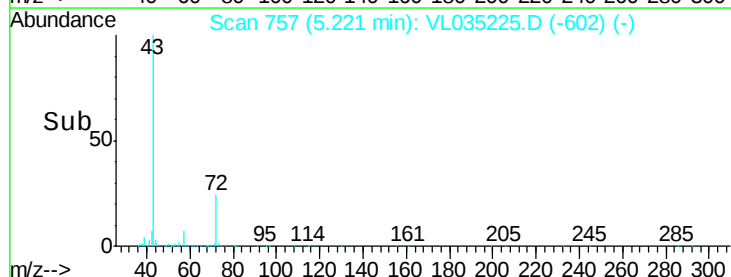
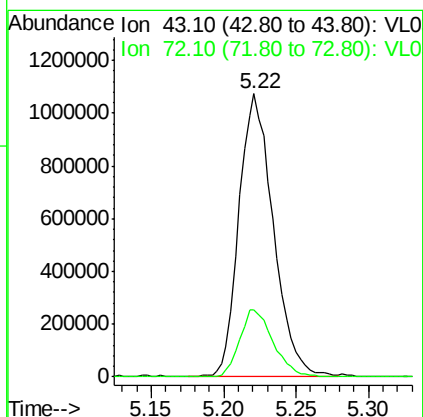
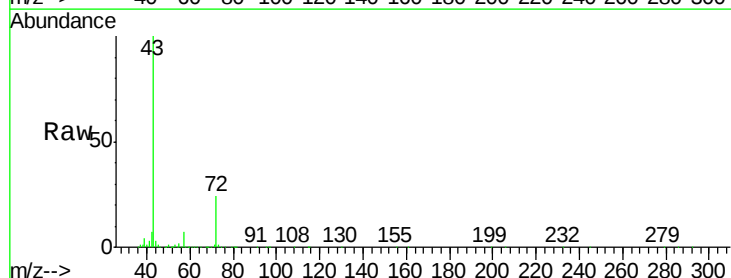
Manual Integrations
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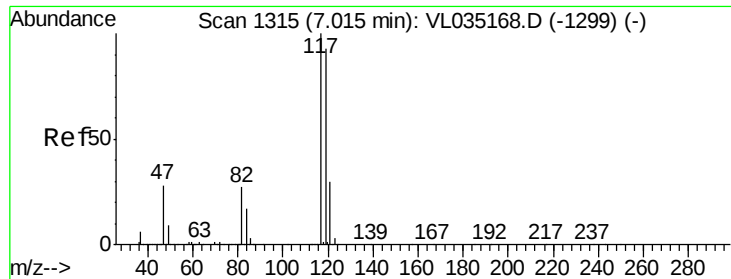
MMDadoda
 7/27/2020 12:29:30 PM



#34
 2-Butanone
 Concen: 10.388 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. -0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Tgt Ion: 43 Resp: 1765539
 Ion Ratio Lower Upper
 43 100
 72 23.2 18.6 28.0





#35

Carbon Tetrachloride

Concen: 10.263 ppbv

RT: 7.02 min Scan# 1315

Delta R.T. 0.00 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Instrument :

MSVOA_L

ClientSampleId :

VL0723ABS01

Tgt Ion: 117 Resp: 2121360

Ion Ratio Lower Upper

117 100

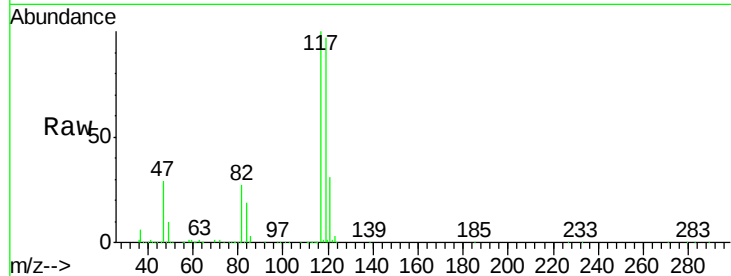
119 97.0 74.8 112.2

121 30.9 24.2 36.2

Manual Integrations
APPROVED

MMDadoda

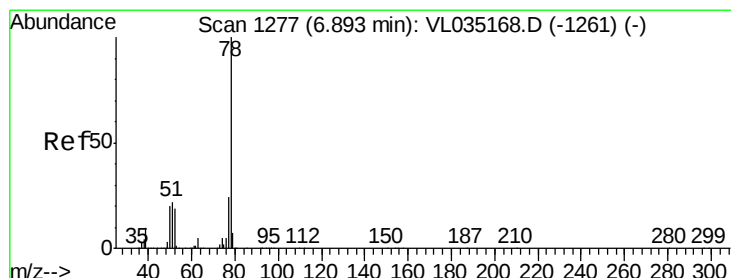
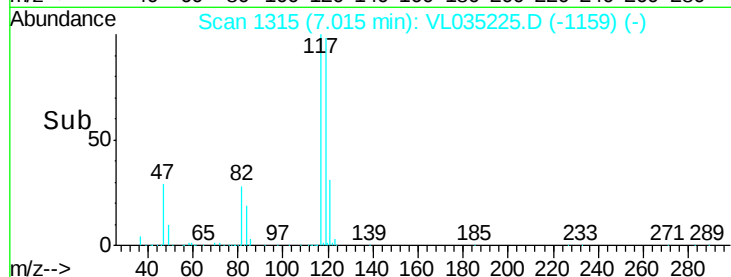
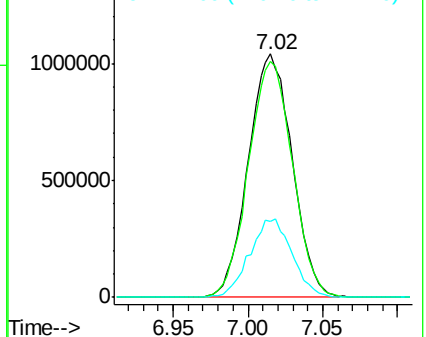
7/27/2020 12:29:30 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.926 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.01 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

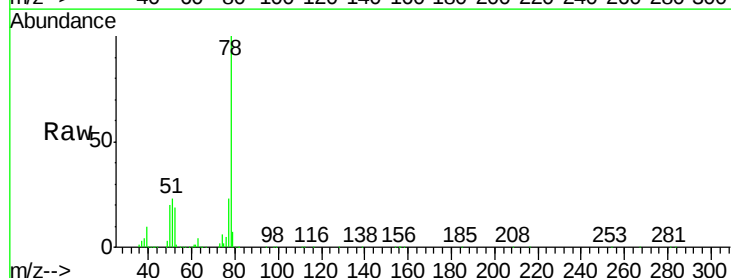
Tgt Ion: 78 Resp: 2518001

Ion Ratio Lower Upper

78 100

77 23.1 19.3 28.9

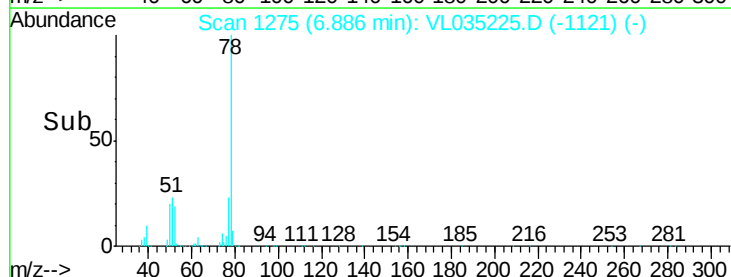
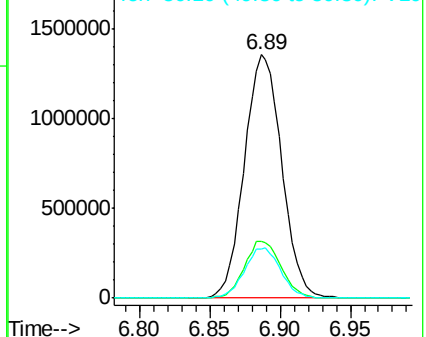
50 19.9 16.0 24.0

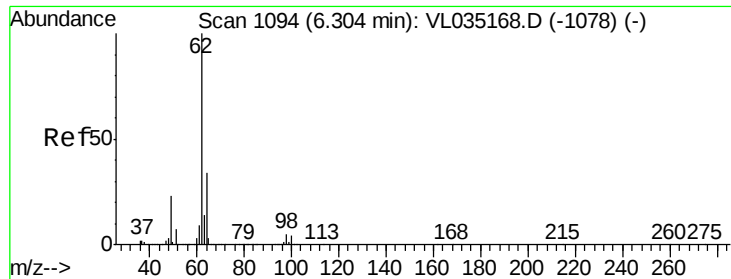


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





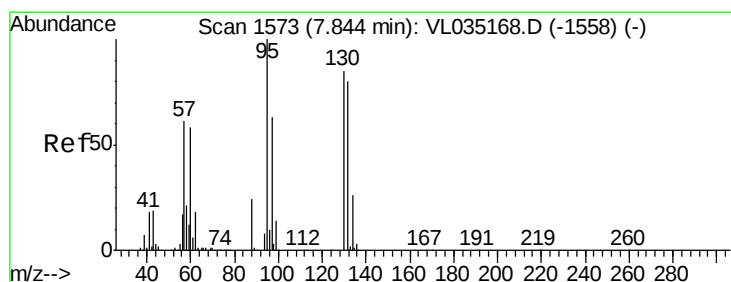
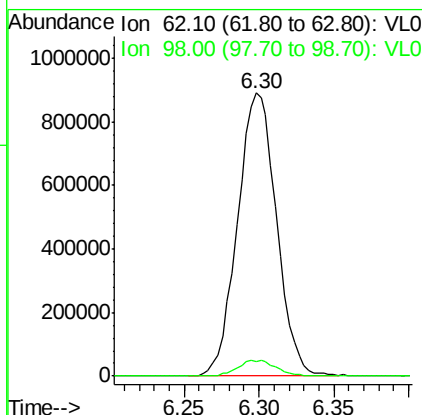
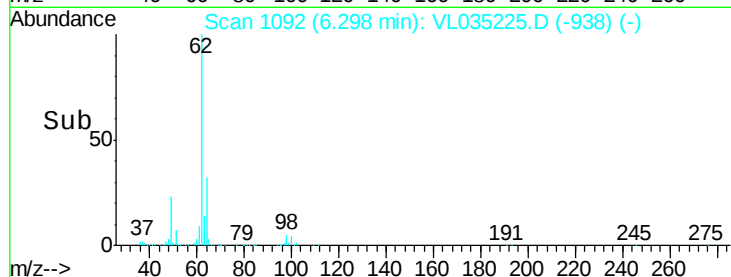
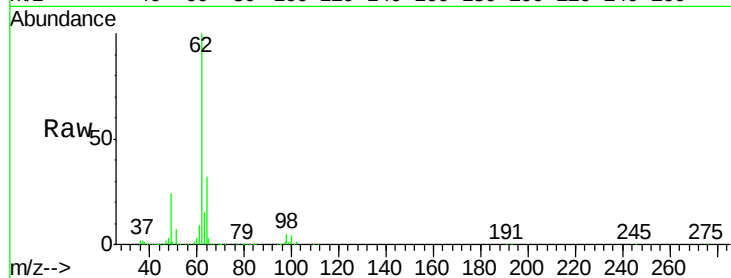
#37
 1,2-Dichloroethane
 Concen: 10.436 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.01 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0723ABS01

Tgt Ion: 62 Resp: 1613971
 Ion Ratio Lower Upper
 62 100
 98 5.7 4.6 6.8

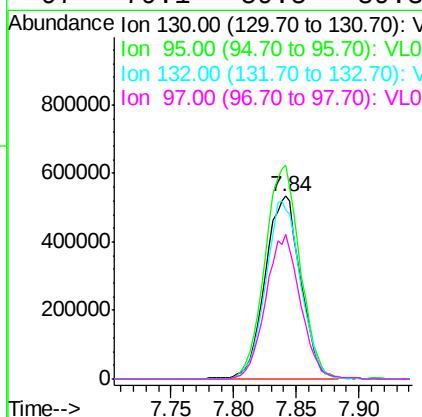
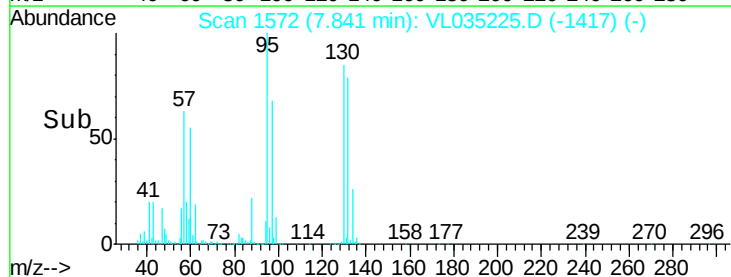
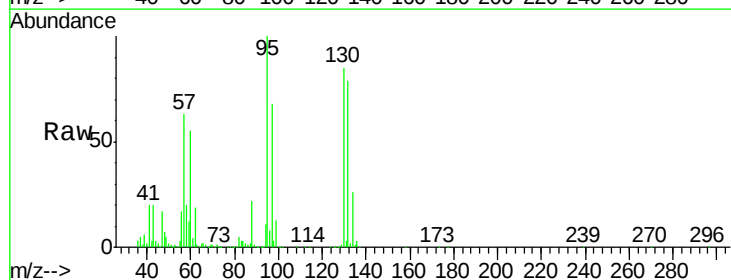
Manual Integrations
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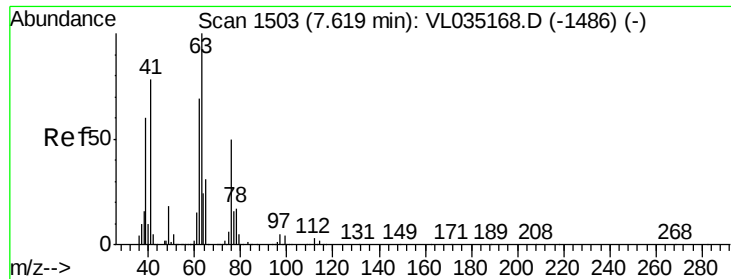
MMDadoda
 7/27/2020 12:29:30 PM



#38
 Trichloroethene
 Concen: 11.190 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Tgt Ion: 130 Resp: 1050798
 Ion Ratio Lower Upper
 130 100
 95 117.0 93.8 140.8
 132 92.3 75.0 112.4
 97 79.1 59.5 89.3





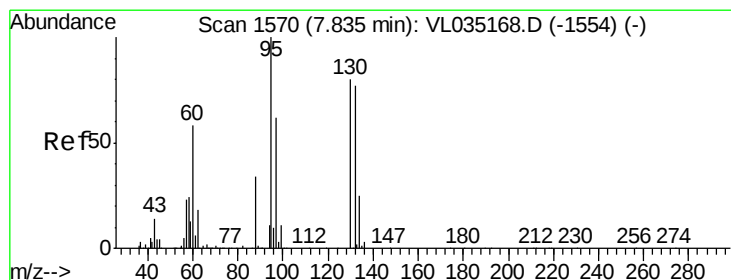
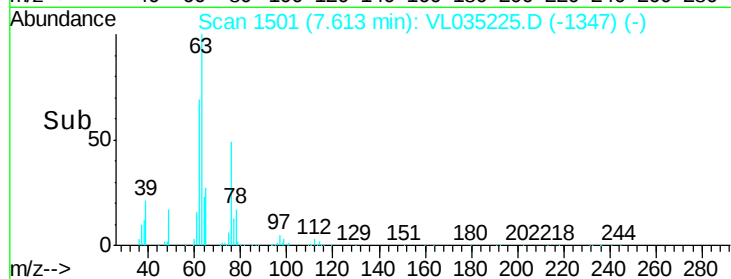
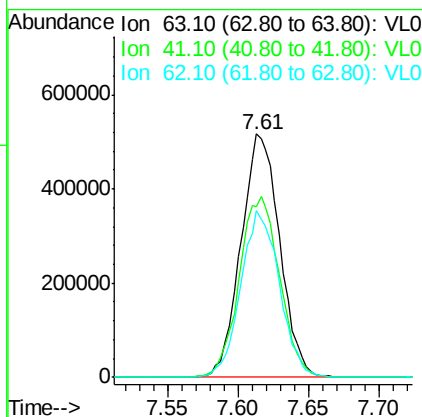
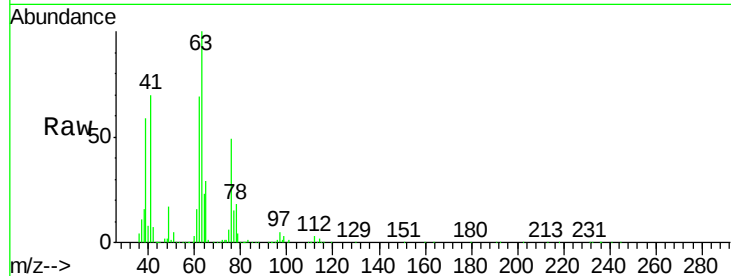
#39
 1,2-Dichloropropane
 Concen: 10.842 ppbv
 RT: 7.61 min Scan# 1501
 Delta R.T. -0.01 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0723ABS01

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	993610		
41	70.1	62.6	94.0	
62	68.8	55.0	82.6	

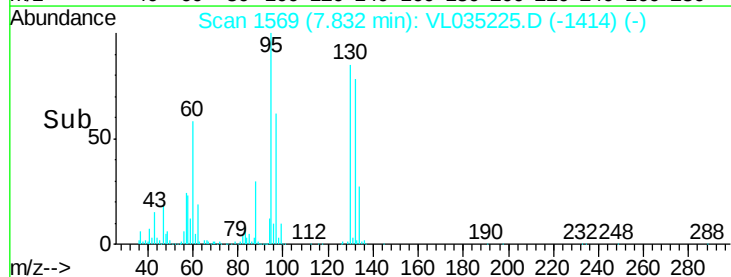
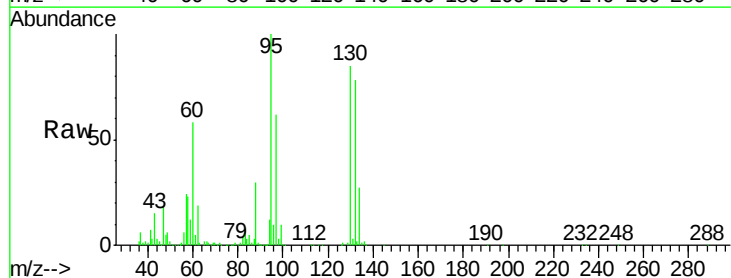
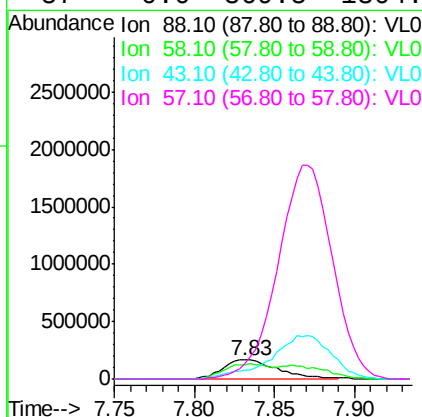
Manual Integrations
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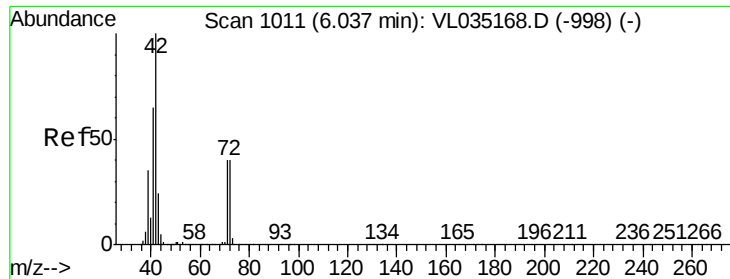
MMDadoda
 7/27/2020 12:29:30 PM



#40
 1,4-Dioxane
 Concen: 10.571 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. -0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	385682		
58	131.4	100.2	150.4	
43	0.0	199.8	299.8#	
57	0.0	869.5	1304.3#	





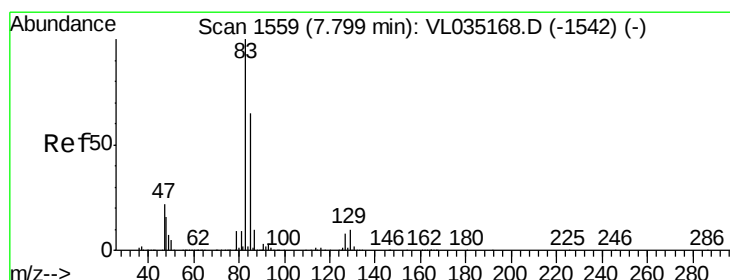
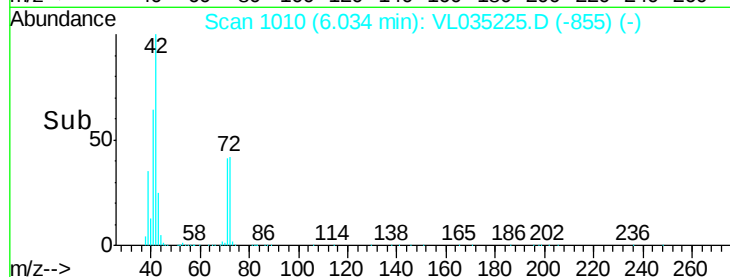
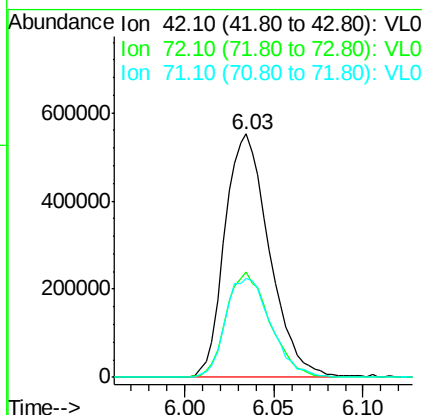
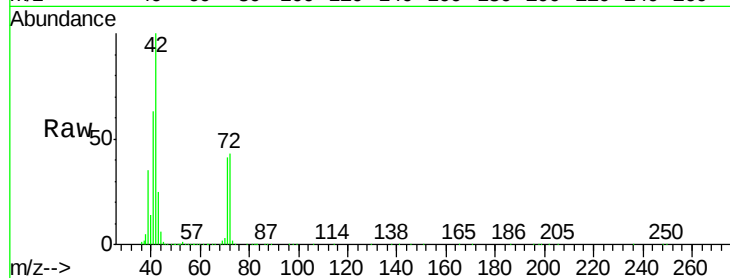
#41
Tetrahydrofuran
Concen: 11.190 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

Tgt Ion	Ratio	Lower	Upper
42	100		
72	42.8	33.4	50.2
71	42.1	31.9	47.9

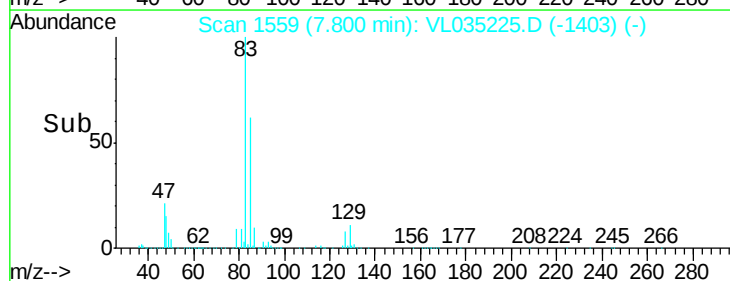
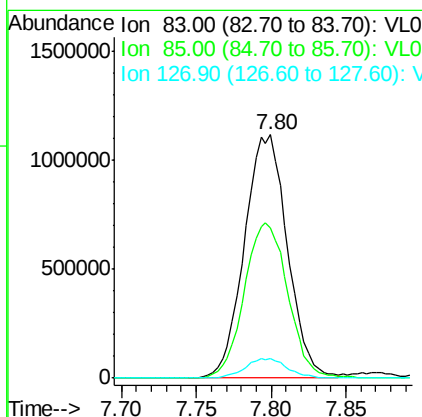
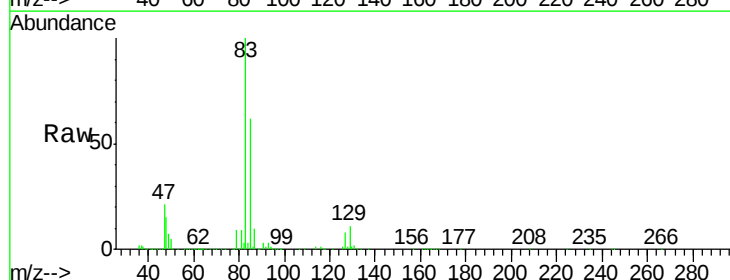
Manual Integrations
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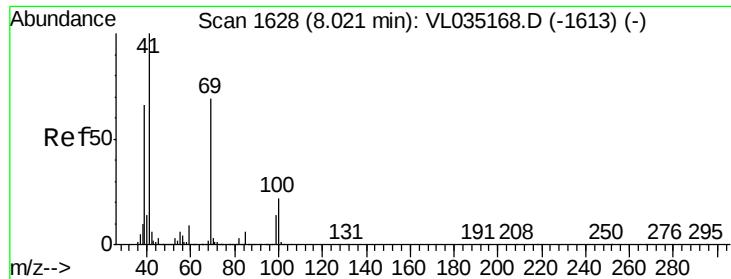
MMDadoda
7/27/2020 12:29:30 PM



#42
Bromodichloromethane
Concen: 10.813 ppbv
RT: 7.80 min Scan# 1559
Delta R.T. 0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	61.6	52.2	78.4
127	7.9	6.3	9.5





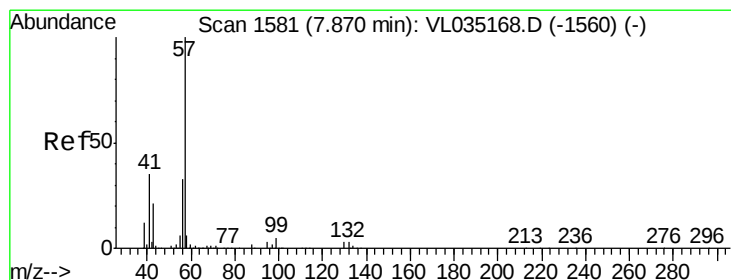
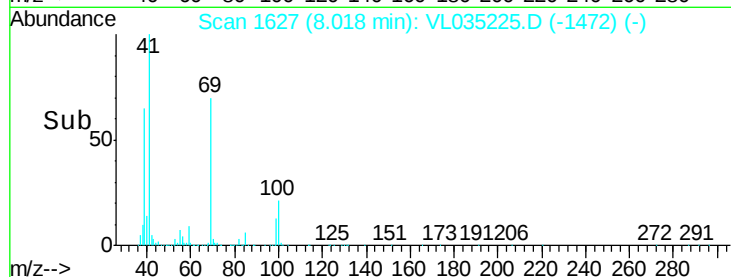
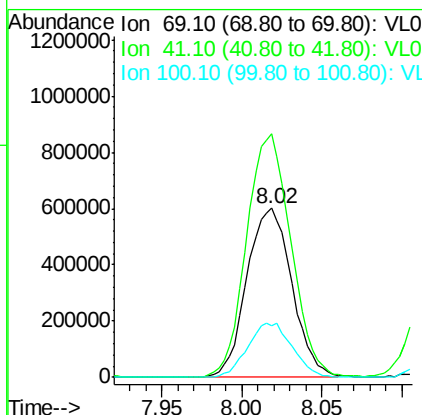
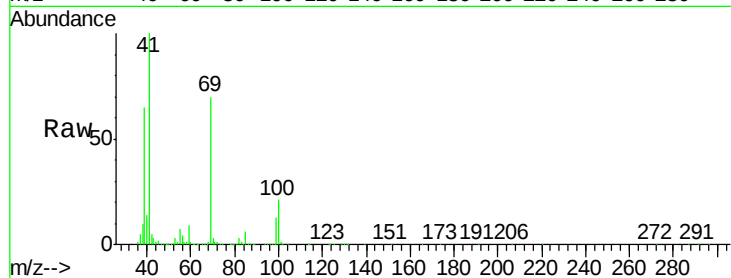
#43
Methyl Methacrylate
Concen: 11.924 ppbv
RT: 8.02 min Scan# 1627
Delta R.T. -0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

Tgt Ion: 69 Resp: 1161632
Ion Ratio Lower Upper
69 100
41 141.4 116.3 174.5
100 32.2 25.6 38.4

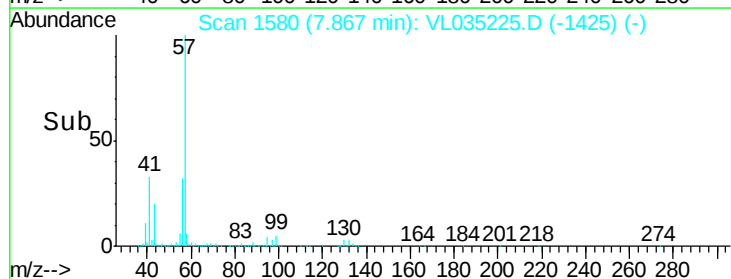
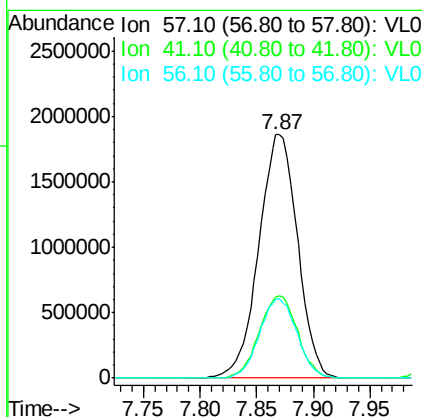
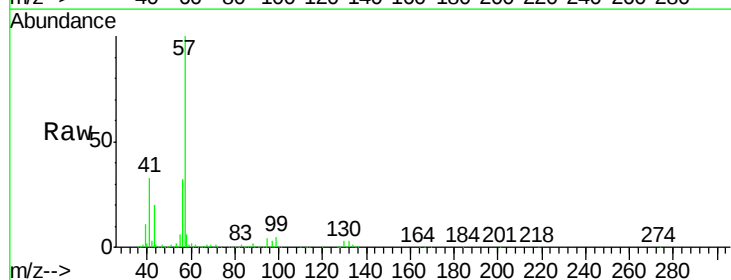
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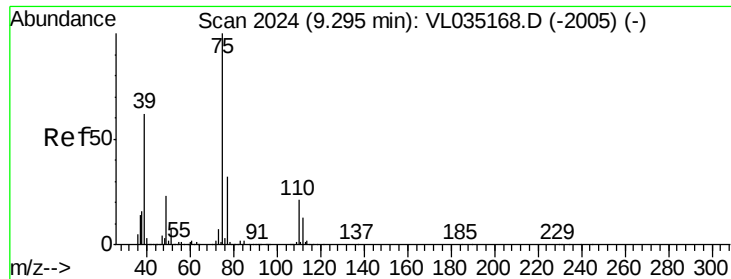
MMDadoda
7/27/2020 12:29:30 PM



#44
2,2,4-Trimethylpentane
Concen: 11.095 ppbv
RT: 7.87 min Scan# 1580
Delta R.T. -0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion: 57 Resp: 4413330
Ion Ratio Lower Upper
57 100
41 33.5 27.0 40.6
56 31.6 25.5 38.3





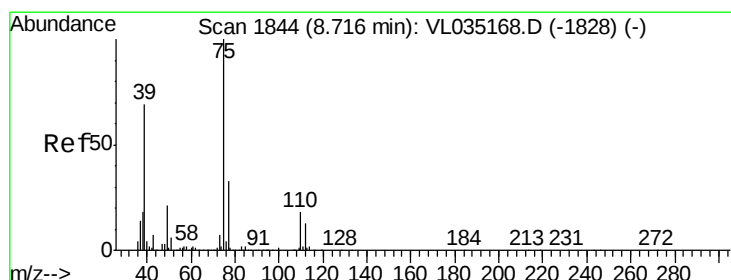
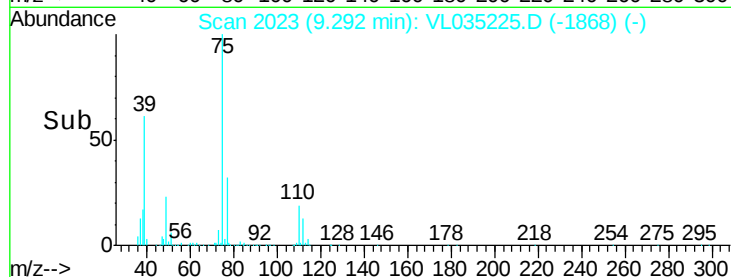
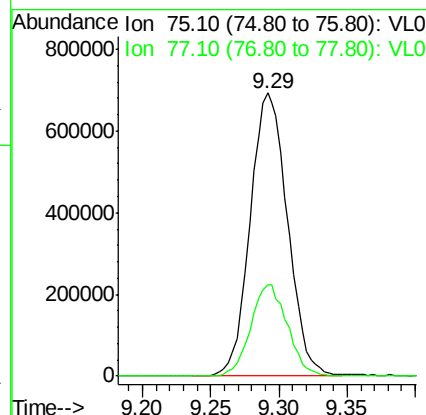
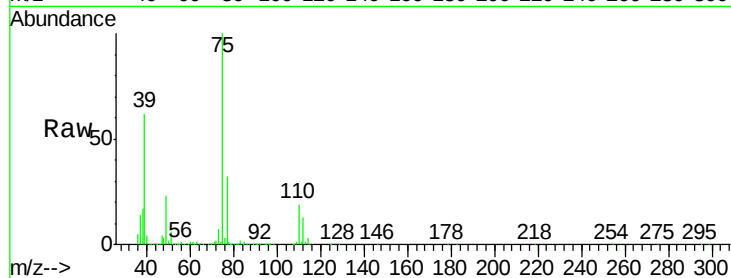
#45
t-1,3-Dichloropropene
Concen: 12.839 ppbv
RT: 9.29 min Scan# 2023
Delta R.T. -0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

Tgt Ion: 75 Resp: 1314010
Ion Ratio Lower Upper
75 100
77 32.3 25.8 38.8

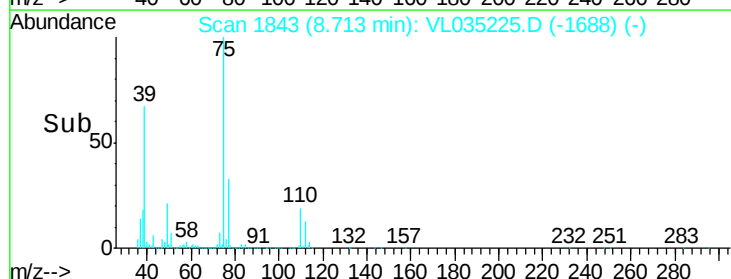
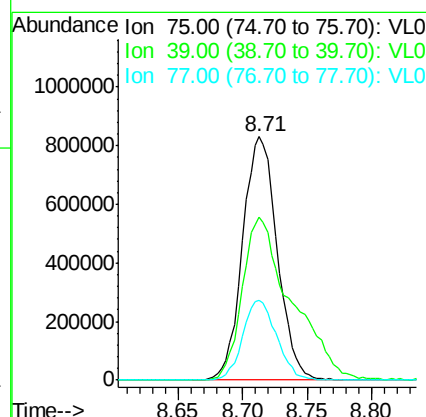
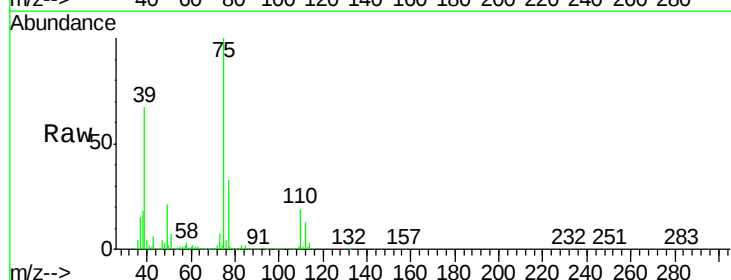
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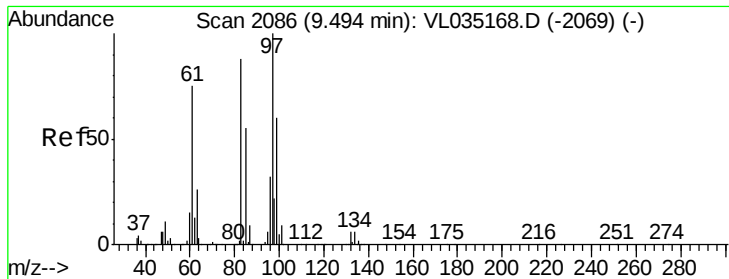
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#46
cis-1,3-Dichloropropene
Concen: 12.797 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion: 75 Resp: 1552687
Ion Ratio Lower Upper
75 100
39 67.1 55.2 82.8
77 32.9 26.0 39.0





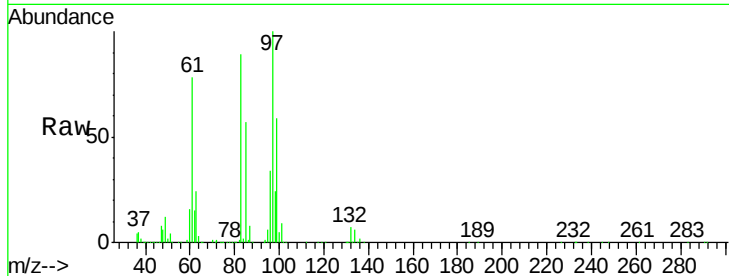
#47
 1,1,2-Trichloroethane
 Concen: 10.983 ppbv
 RT: 9.49 min Scan# 2084
 Delta R.T. -0.01 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0723ABS01

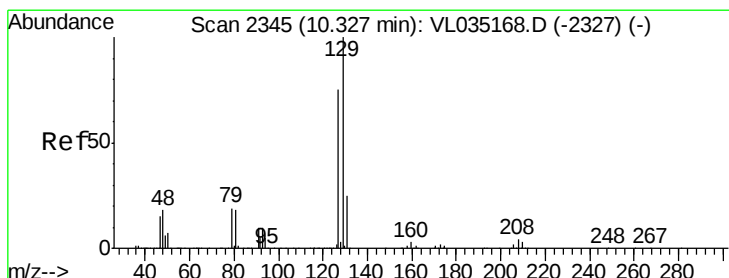
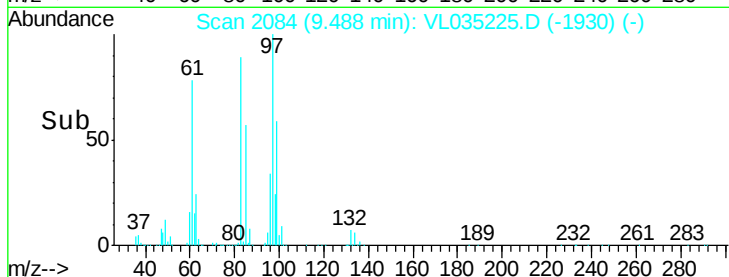
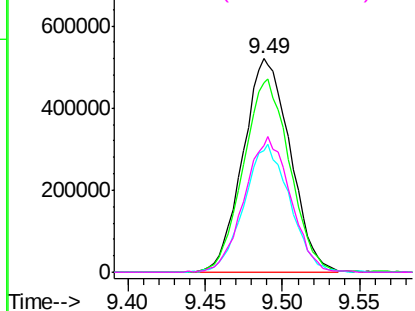
Tgt Ion: 97 Resp: 1101748
 Ion Ratio Lower Upper
 97 100
 83 88.6 70.3 105.5
 85 57.2 44.3 66.5
 99 59.0 47.8 71.6

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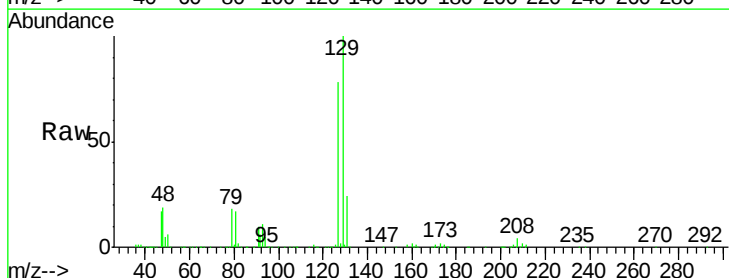


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

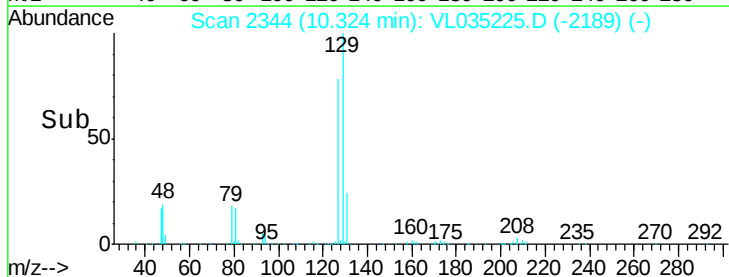
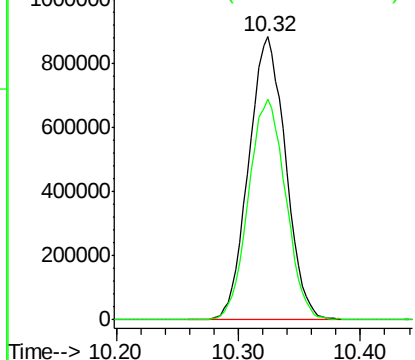


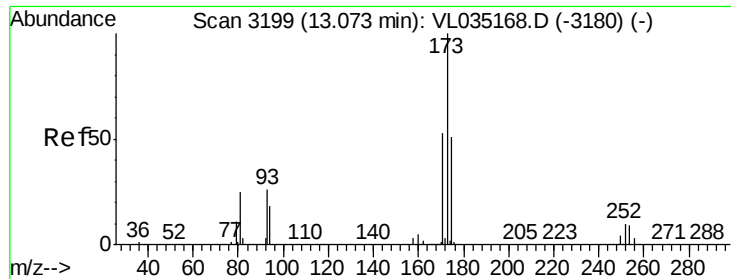
#48
 Dibromochloromethane
 Concen: 11.322 ppbv
 RT: 10.32 min Scan# 2344
 Delta R.T. -0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Tgt Ion: 129 Resp: 1847952
 Ion Ratio Lower Upper
 129 100
 127 78.4 38.8 116.3



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





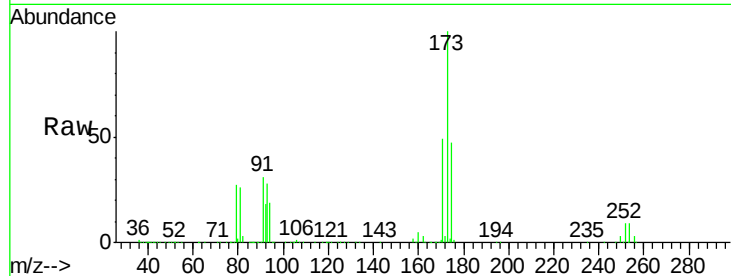
#49
Bromoform
Concen: 11.495 ppbv
RT: 13.07 min Scan# 3199
Delta R.T. 0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

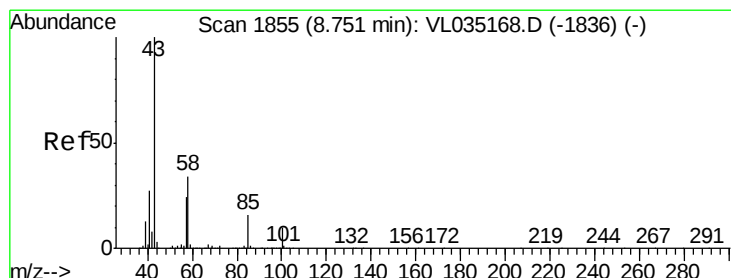
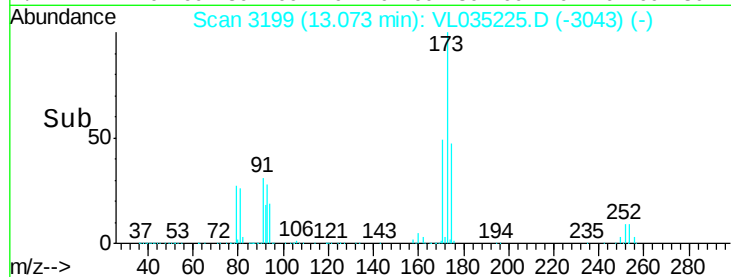
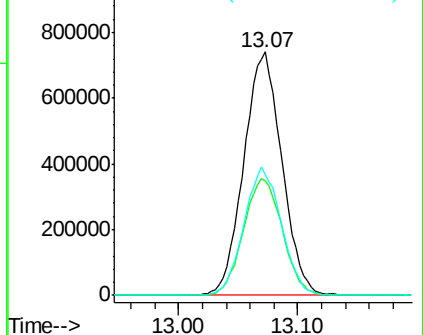
Tgt Ion: 173 Resp: 1641222
Ion Ratio Lower Upper
173 100
175 48.9 39.7 59.5
171 52.1 41.6 62.4

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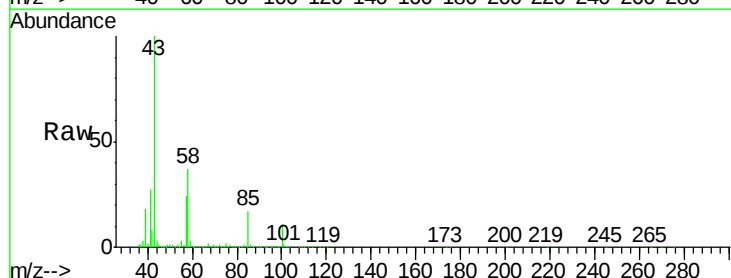


Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 170.90 (170.60 to 171.60): V

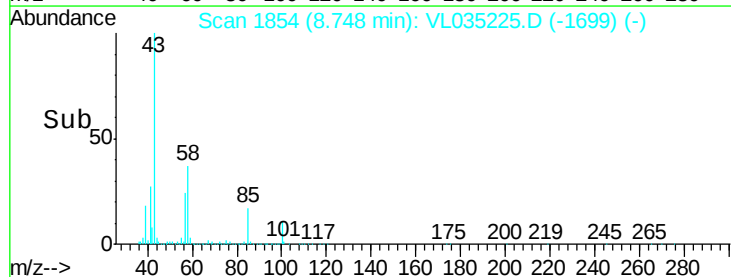
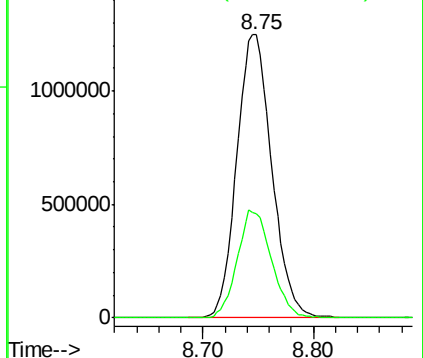


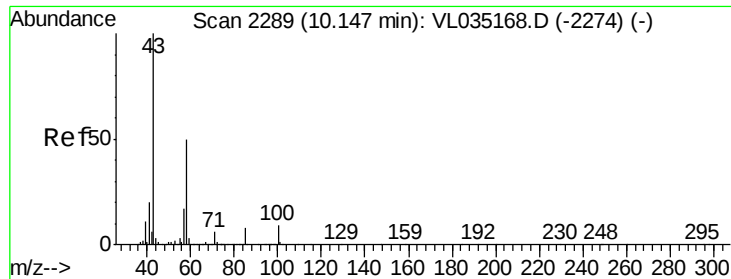
#50
4-Methyl-2-Pentanone
Concen: 11.266 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. -0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion: 43 Resp: 2747922
Ion Ratio Lower Upper
43 100
58 37.2 29.4 44.2



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





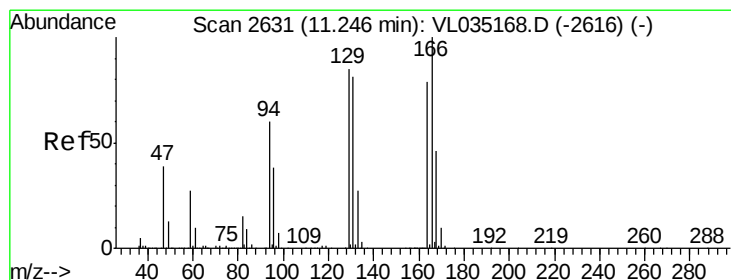
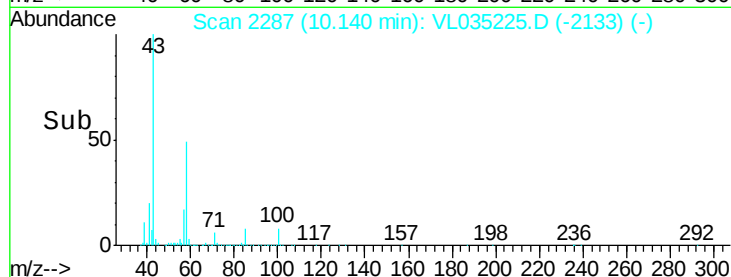
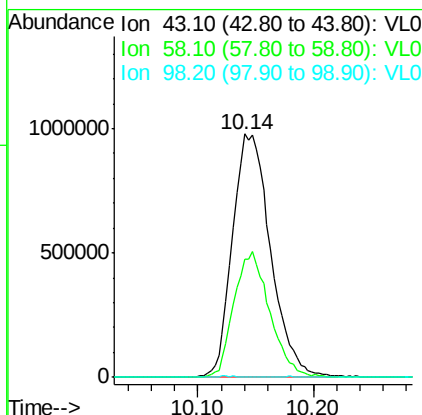
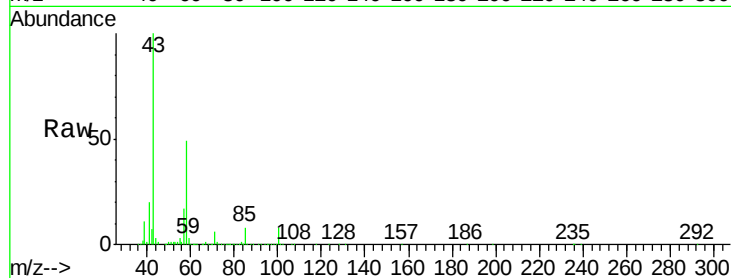
#51
2-Hexanone
Concen: 11.987 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.01 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

Tgt Ion	Ratio	Lower	Upper
43	100		
58	48.6	39.4	59.0
98	0.4	0.3	0.5

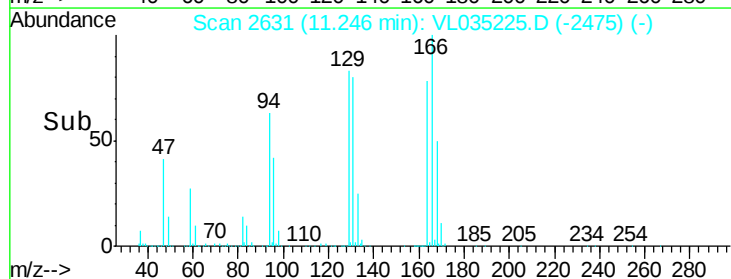
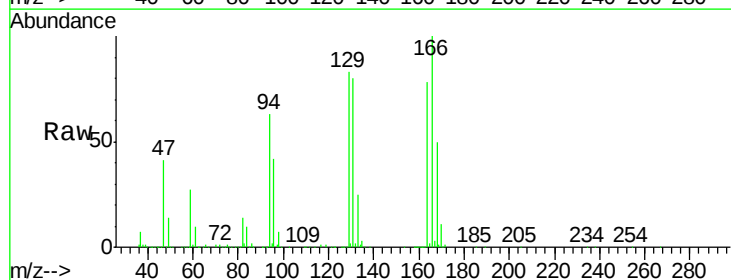
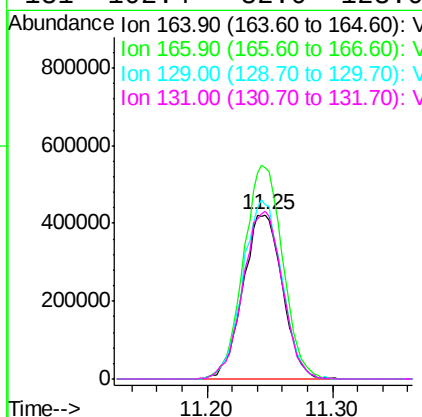
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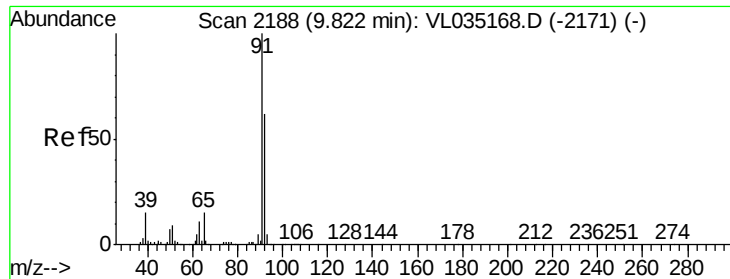
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#52
Tetrachloroethene
Concen: 10.763 ppbv
RT: 11.25 min Scan# 2631
Delta R.T. 0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	100.7	151.1
129	106.2	85.8	128.6
131	102.4	82.0	123.0





#53

Toluene

Concen: 12.115 ppbv

RT: 9.82 min Scan# 2188

Delta R.T. 0.00 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Instrument :

MSVOA_L

ClientSampleId :

VL0723ABS01

Tgt Ion: 91 Resp: 2946608

Ion Ratio Lower Upper

91 100

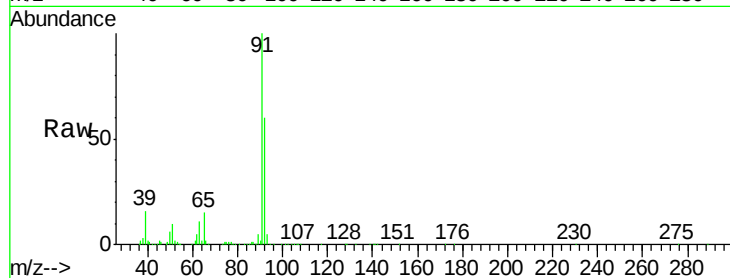
92 61.3 48.4 72.6

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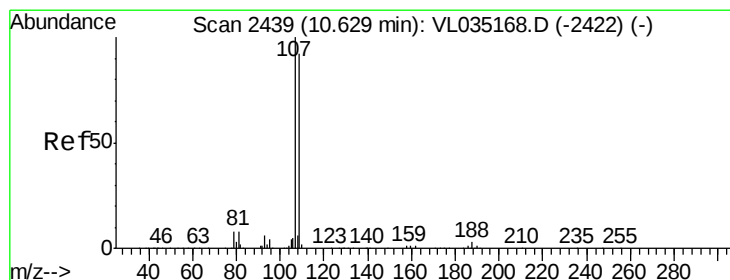
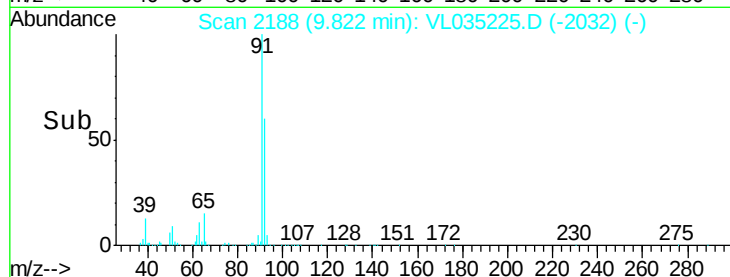
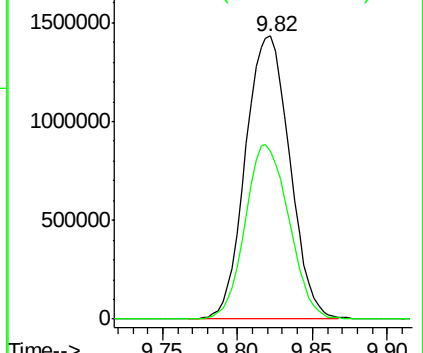
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 11.083 ppbv

RT: 10.63 min Scan# 2440

Delta R.T. 0.00 min

Lab File: VL035225.D

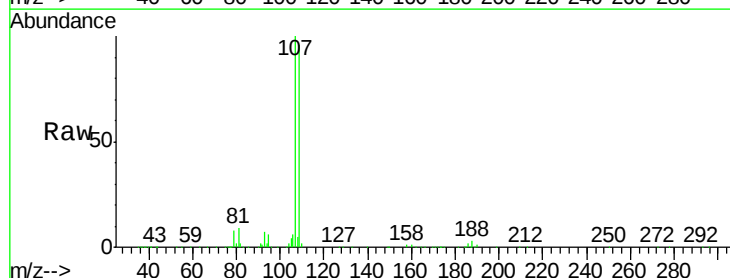
Acq: 23 Jul 2020 11:47

Tgt Ion: 107 Resp: 1649922

Ion Ratio Lower Upper

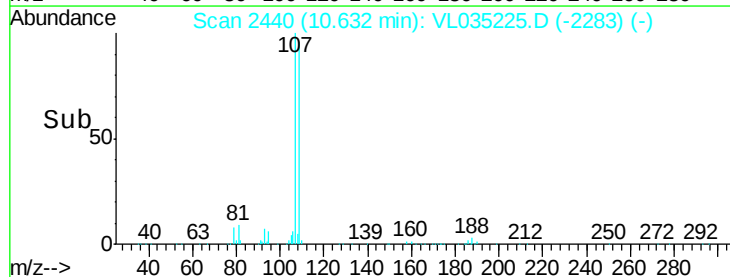
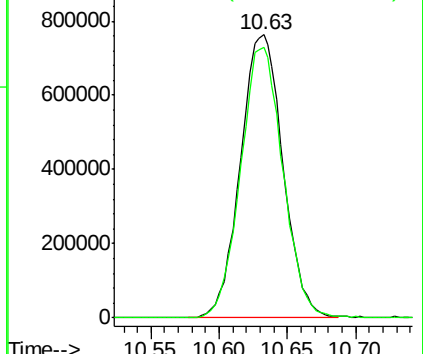
107 100

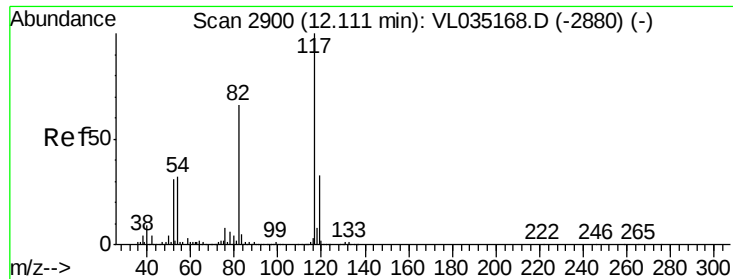
109 95.7 74.0 111.0



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





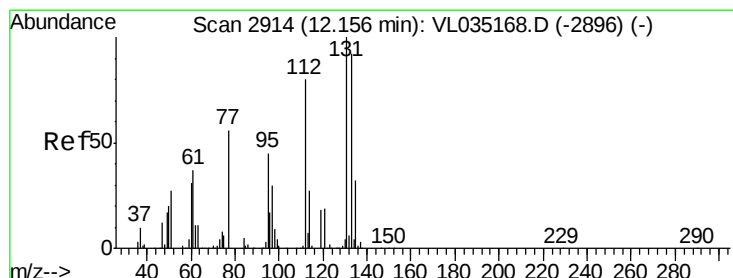
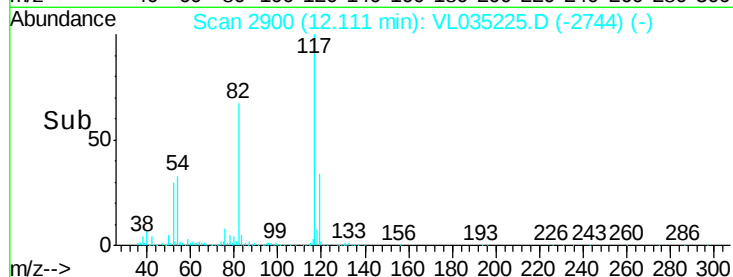
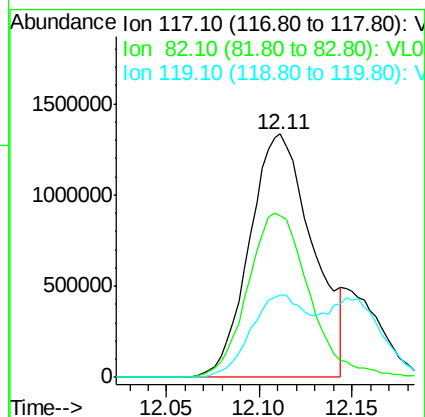
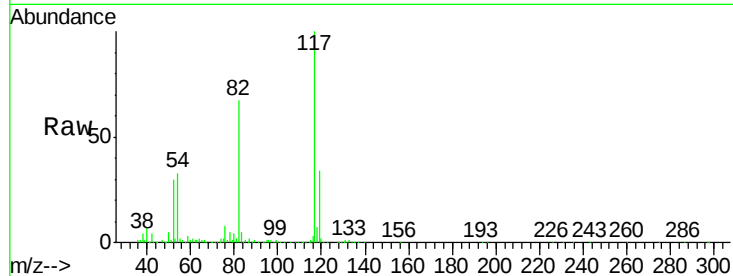
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.11 min Scan# 2900
Delta R.T. 0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

Tgt Ion:117 Resp: 3162717
Ion Ratio Lower Upper
117 100
82 65.9 52.3 78.5
119 29.0 24.9 37.3

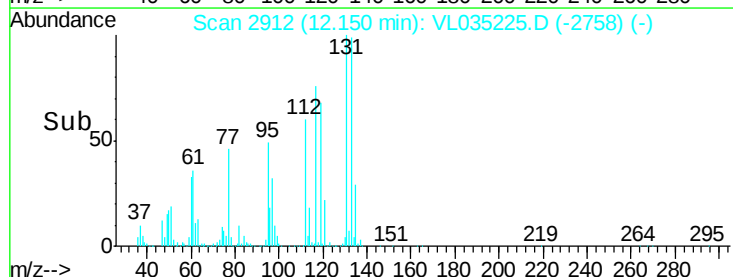
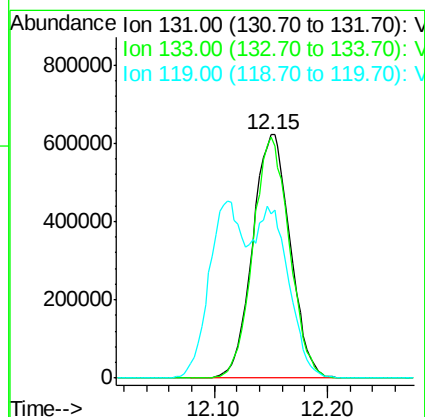
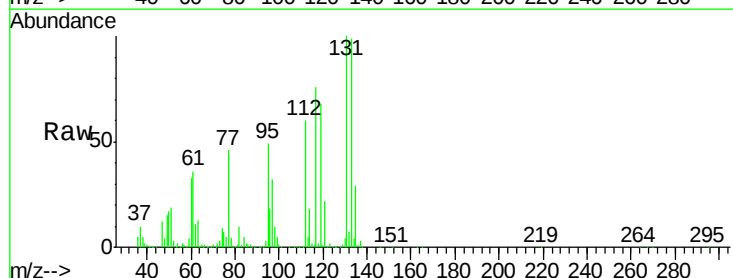
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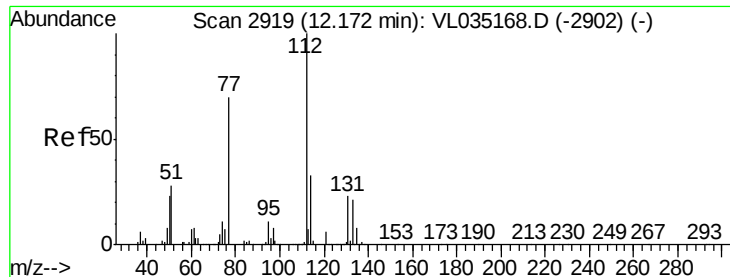
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.241 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.01 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion:131 Resp: 1434983
Ion Ratio Lower Upper
131 100
133 95.7 75.4 113.2
119 63.5 42.4 63.6





#57

Chlorobenzene

Concen: 10.139 ppbv

RT: 12.17 min Scan# 2918

Delta R.T. -0.00 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Instrument :

MSVOA_L

ClientSampleId :

VL0723ABS01

Tgt Ion: 112 Resp: 2363331

Ion Ratio Lower Upper

112 100

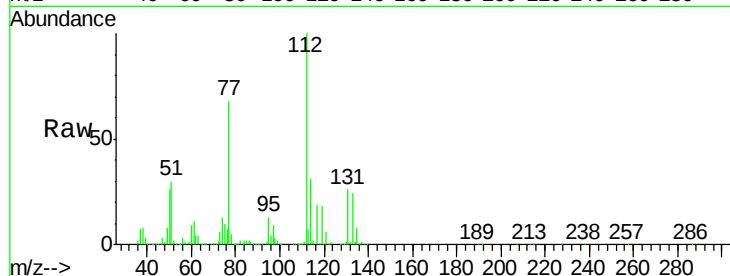
77 67.7 57.0 85.4

114 30.7 30.2 37.0

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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

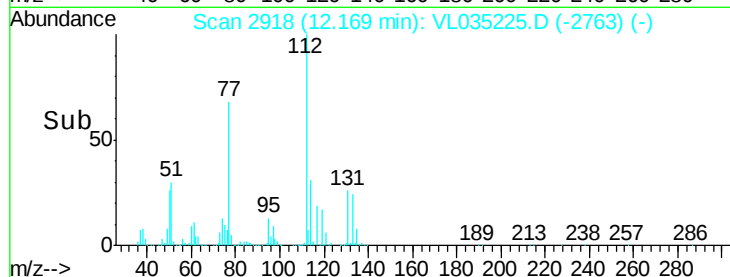
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1000000

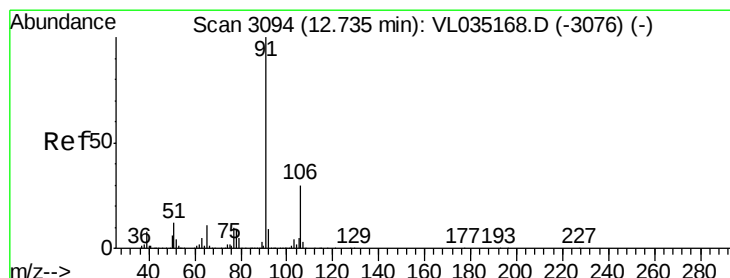
500000

0

12.10 12.20



Time-->



#58

Ethyl Benzene

Concen: 11.478 ppbv

RT: 12.73 min Scan# 3093

Delta R.T. -0.00 min

Lab File: VL035225.D

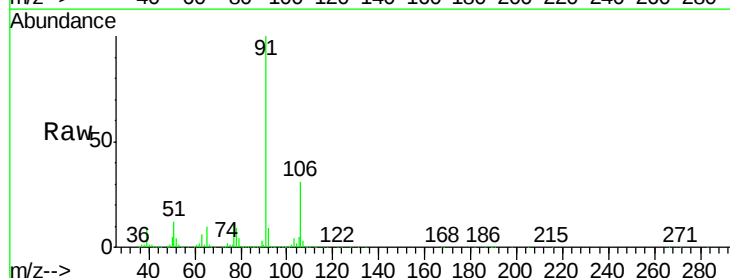
Acq: 23 Jul 2020 11:47

Tgt Ion: 91 Resp: 4012448

Ion Ratio Lower Upper

91 100

106 31.4 24.2 36.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

2000000

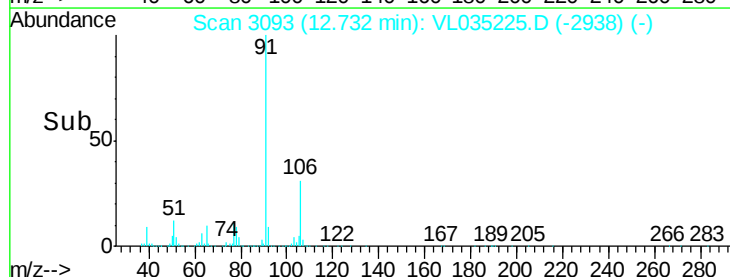
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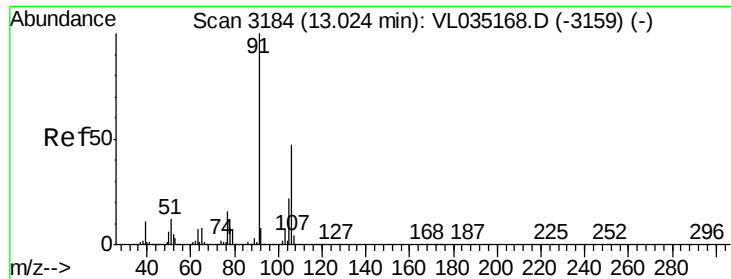
500000

0

12.70 12.80



Time-->



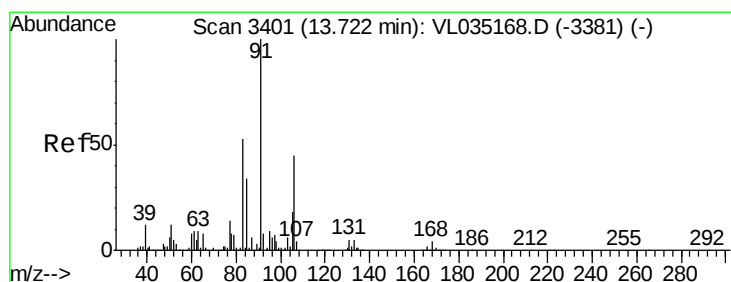
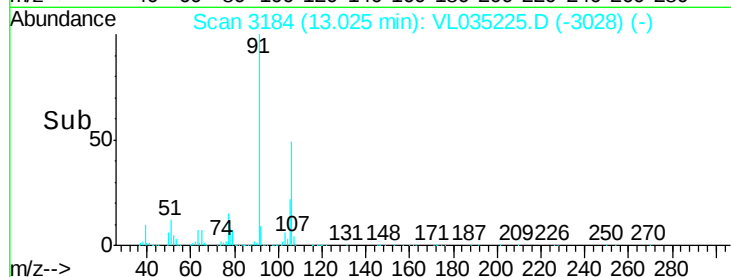
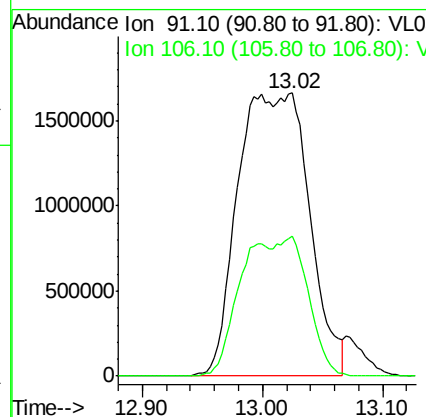
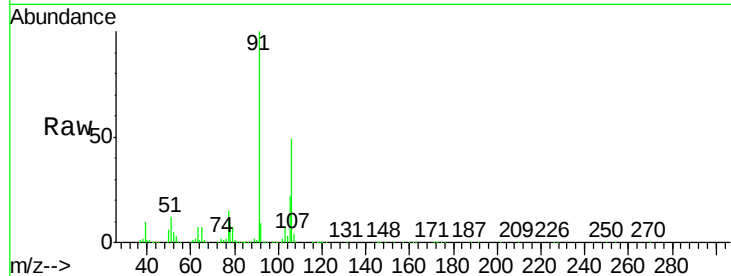
#59
m/p-Xylene
Concen: 21.851 ppbv m
RT: 13.02 min Scan# 3184
Delta R.T. 0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

Tgt Ion: 91 Resp: 6807916
Ion Ratio Lower Upper
91 100
106 46.0 36.2 54.2

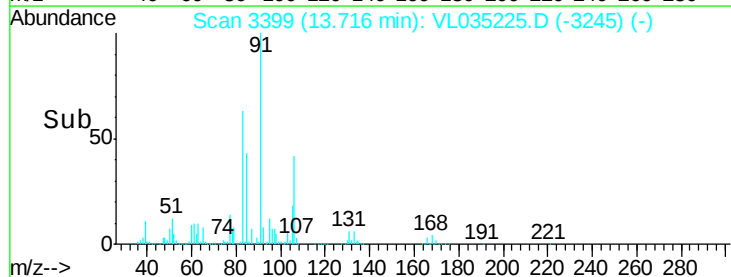
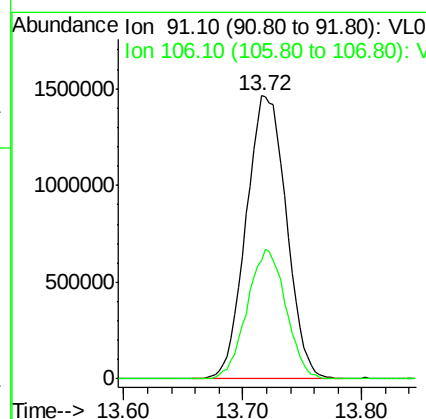
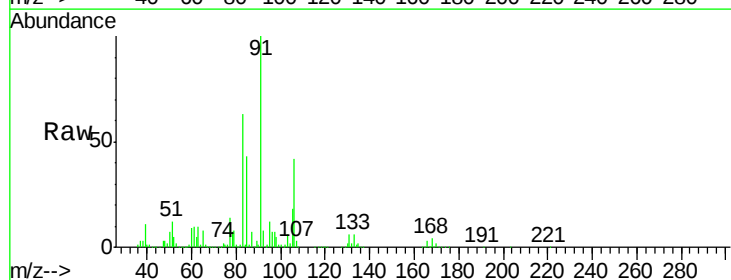
Manual Integrations
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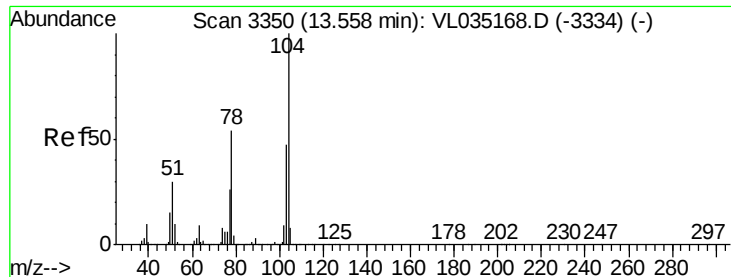
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#60
o-Xylene
Concen: 11.035 ppbv
RT: 13.72 min Scan# 3399
Delta R.T. -0.01 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion: 91 Resp: 3430147
Ion Ratio Lower Upper
91 100
106 43.9 22.1 66.3





#61

Styrene

Concen: 12.350 ppbv

RT: 13.56 min Scan# 3350

Delta R.T. 0.00 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Instrument :

MSVOA_L

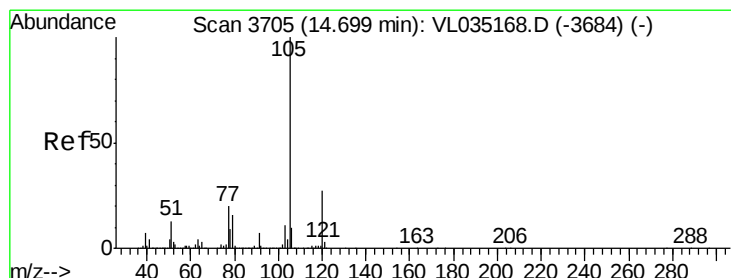
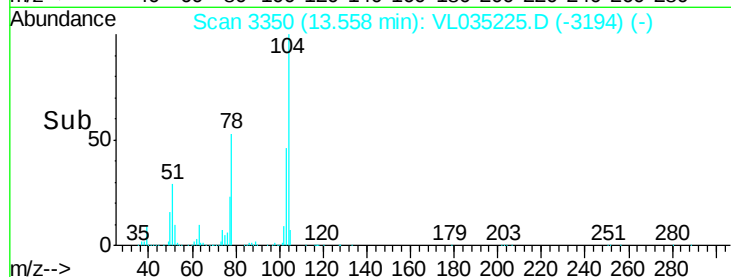
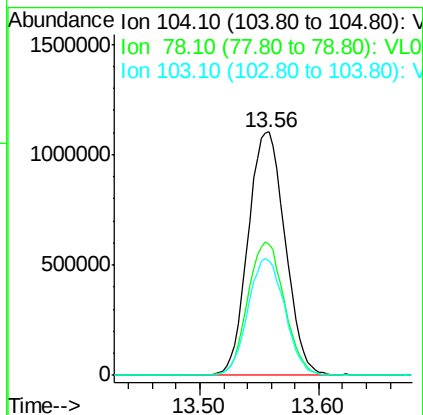
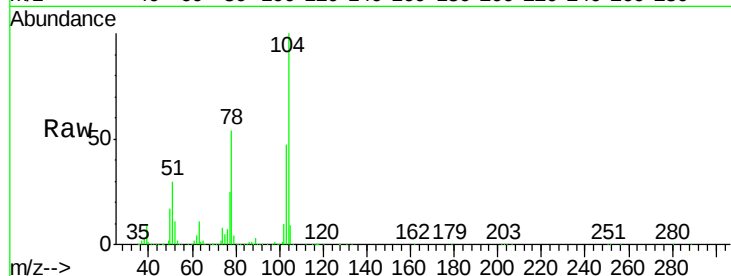
ClientSampled :

VL0723ABS01

Tgt Ion:	104	Resp:	2372191
Ion Ratio	Lower	Upper	
104	100		
78	54.3	43.4	65.0
103	47.9	37.4	56.0

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#62

Isopropylbenzene

Concen: 10.830 ppbv

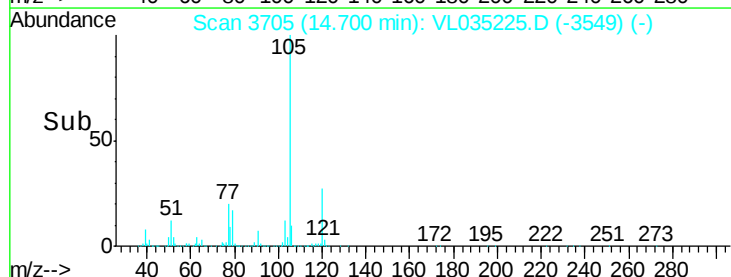
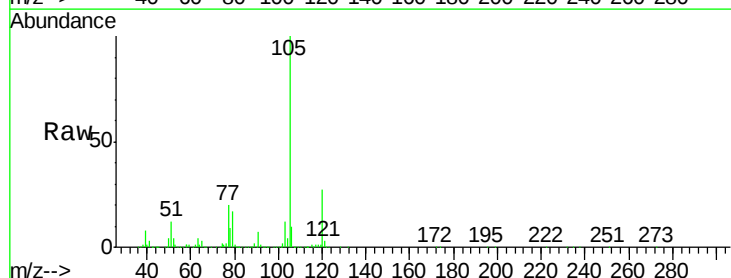
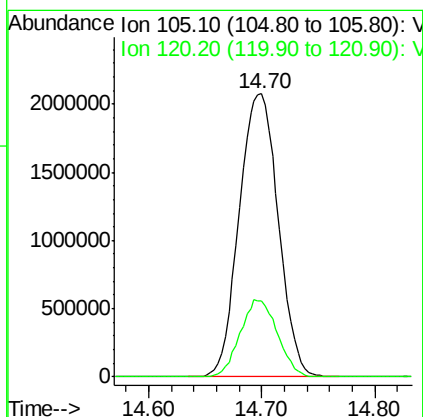
RT: 14.70 min Scan# 3705

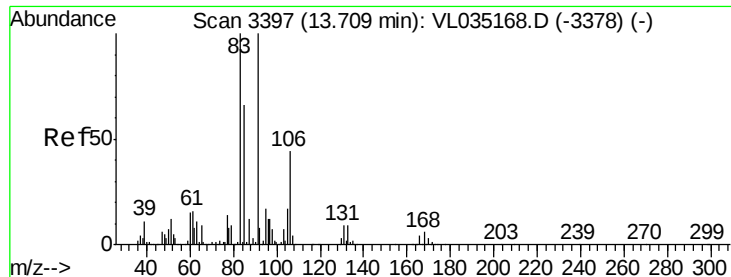
Delta R.T. 0.00 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Tgt Ion:	105	Resp:	4989754
Ion Ratio	Lower	Upper	
105	100		
120	26.0	20.7	31.1





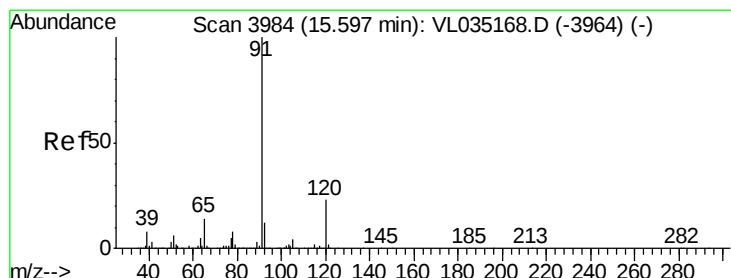
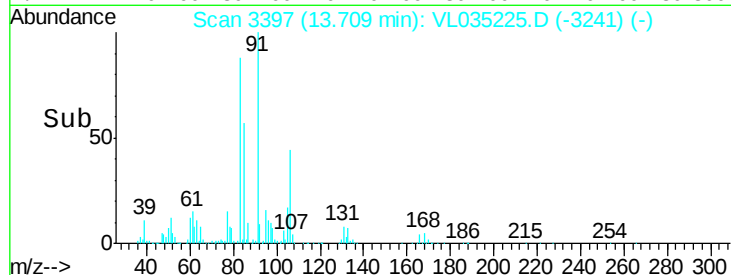
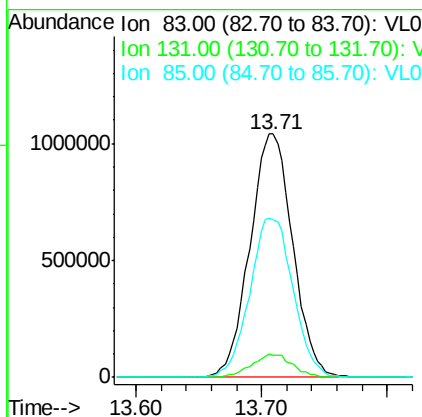
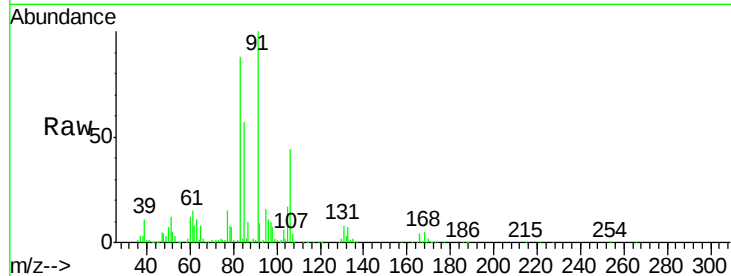
#63
1,1,2,2-Tetrachloroethane
Concen: 9.481 ppbv
RT: 13.71 min Scan# 3397
Delta R.T. 0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.1	4.7	14.0
85	66.5	33.0	99.0

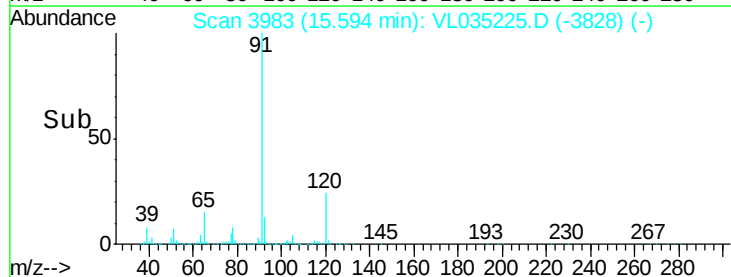
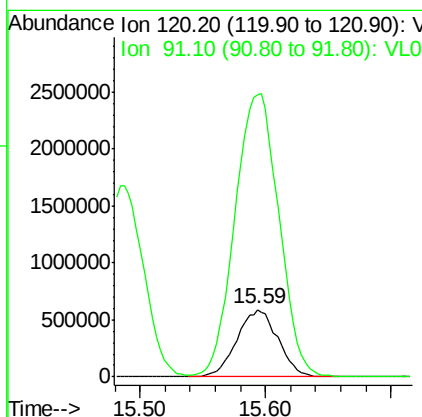
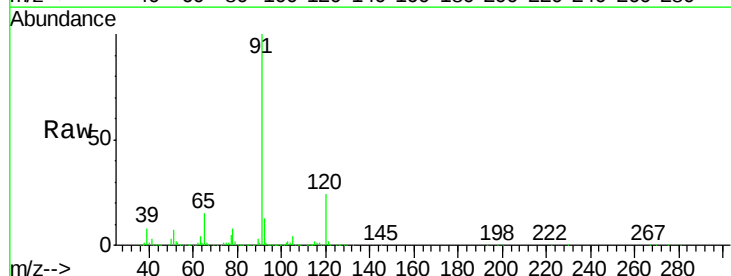
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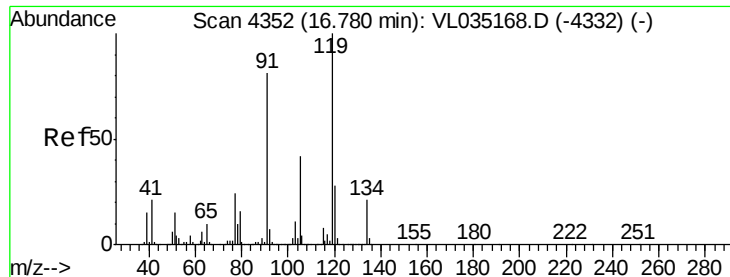
MMDadoda
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#64
n-propylbenzene
Concen: 11.262 ppbv
RT: 15.59 min Scan# 3983
Delta R.T. -0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion	Ratio	Lower	Upper
120	100		
91	452.5	372.4	558.6





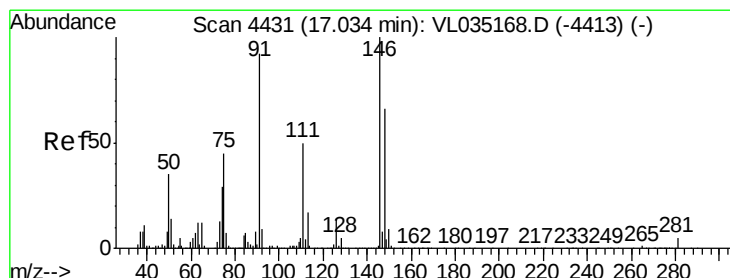
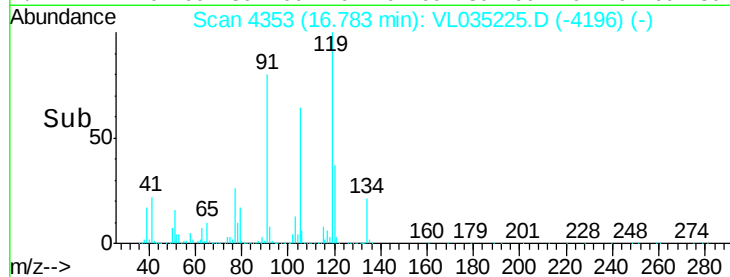
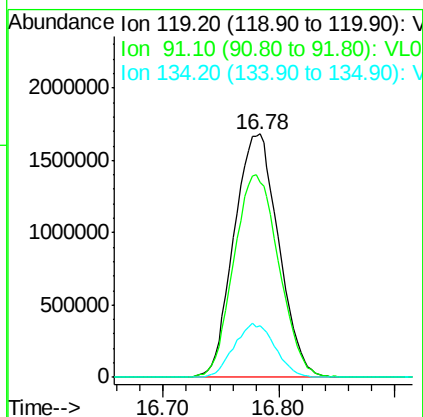
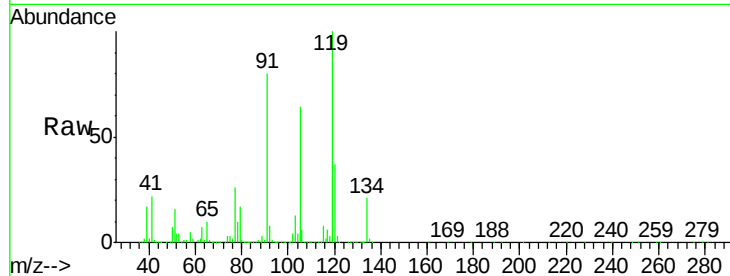
#65
 tert-Butylbenzene
 Concen: 10.833 ppbv
 RT: 16.78 min Scan# 4353
 Delta R.T. 0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0723ABS01

Tgt Ion: 119 Resp: 4482915
 Ion Ratio Lower Upper
 119 100
 91 84.4 67.5 101.3
 134 20.4 16.0 24.0

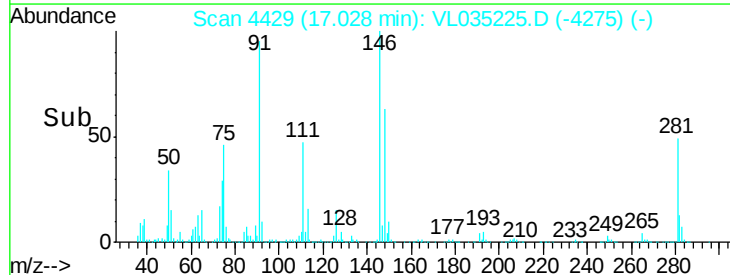
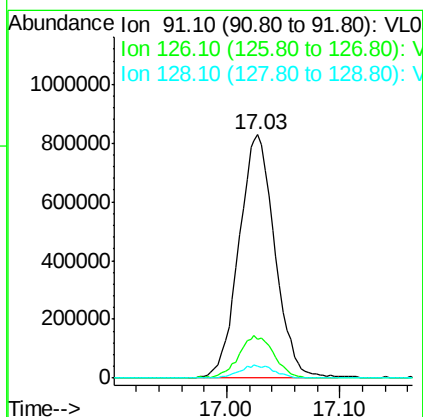
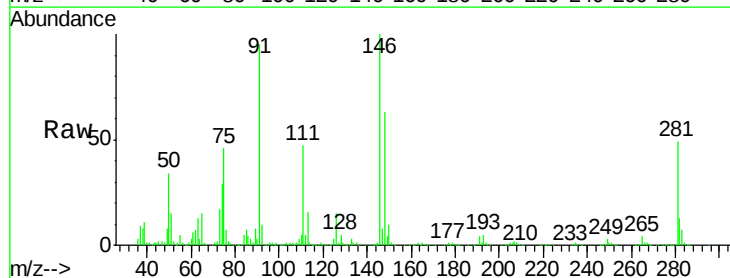
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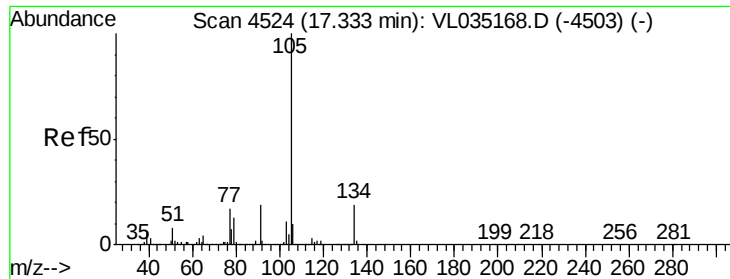
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#66
 Benzyl Chloride
 Concen: 12.379 ppbv
 RT: 17.03 min Scan# 4429
 Delta R.T. -0.01 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Tgt Ion: 91 Resp: 1825049
 Ion Ratio Lower Upper
 91 100
 126 17.3 13.9 20.9
 128 5.2 4.2 6.4





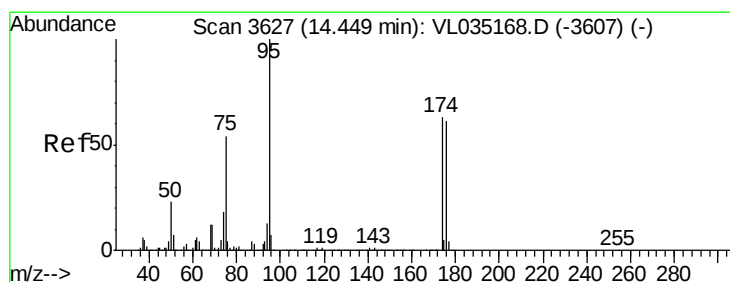
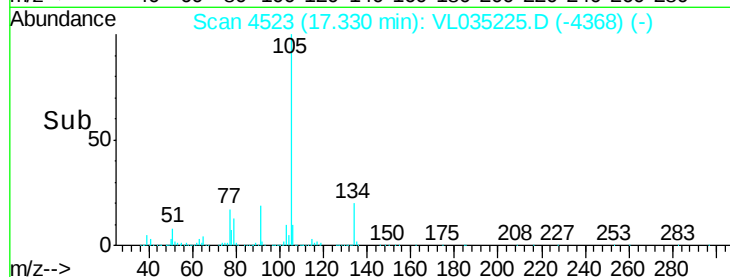
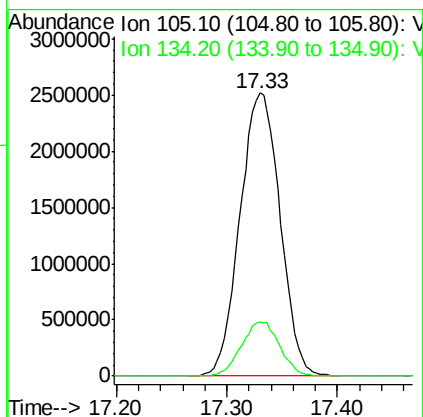
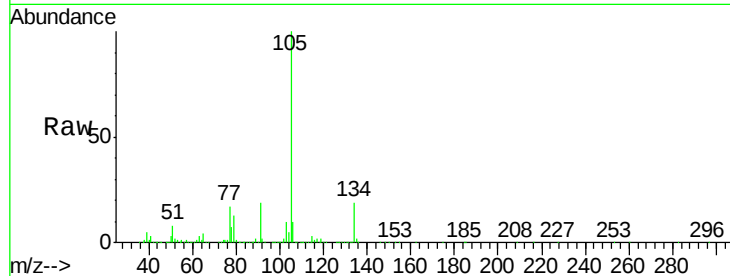
#67
 sec-Butylbenzene
 Concen: 10.523 ppbv
 RT: 17.33 min Scan# 4523
 Delta R.T. -0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0723ABS01

Tgt Ion: 105 Resp: 6348454
 Ion Ratio Lower Upper
 105 100
 134 18.4 14.6 21.8

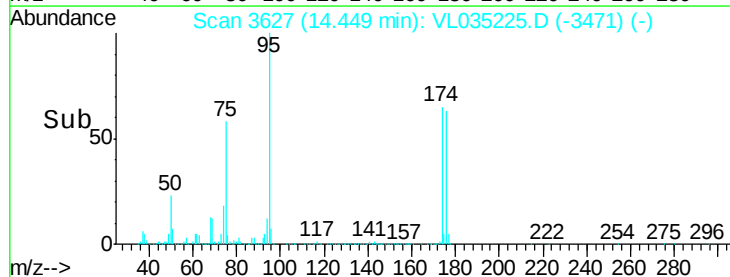
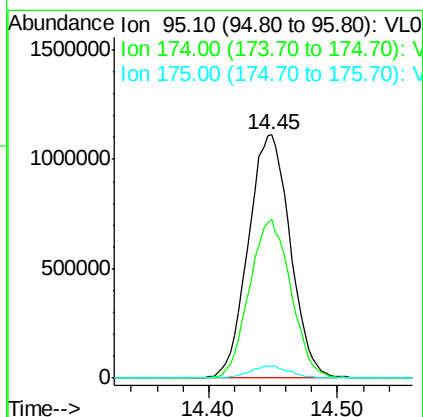
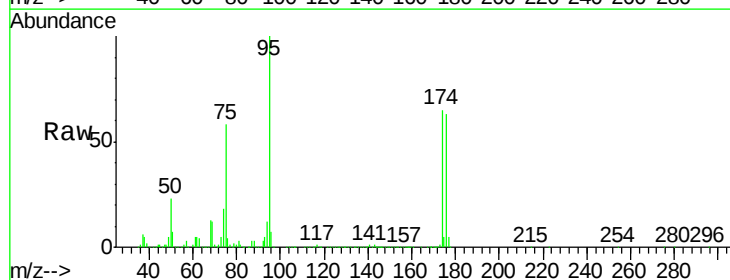
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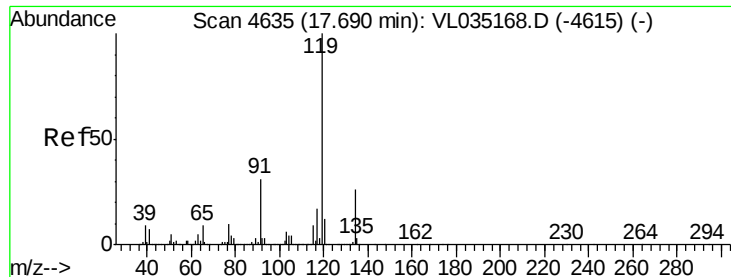
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.774 ppbv
 RT: 14.45 min Scan# 3627
 Delta R.T. 0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Tgt Ion: 95 Resp: 2511095
 Ion Ratio Lower Upper
 95 100
 174 64.7 52.2 78.2
 175 4.9 4.0 6.0





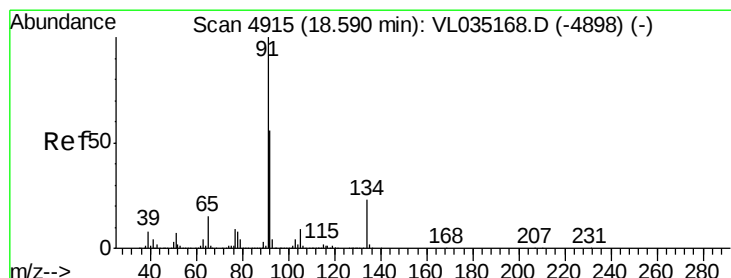
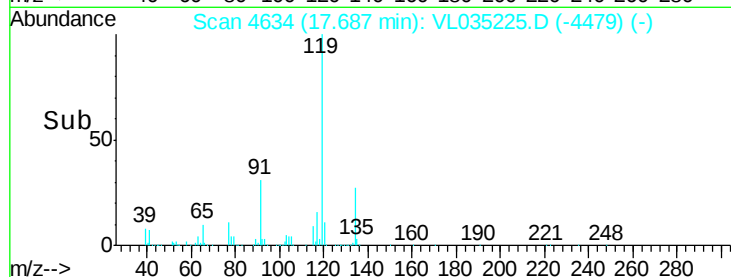
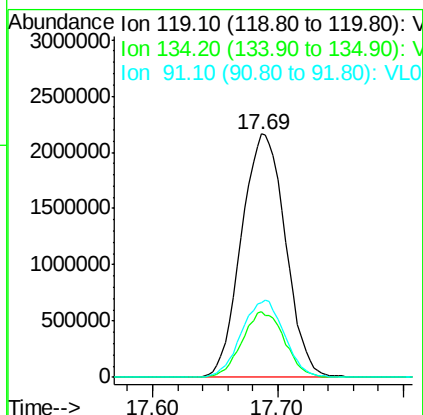
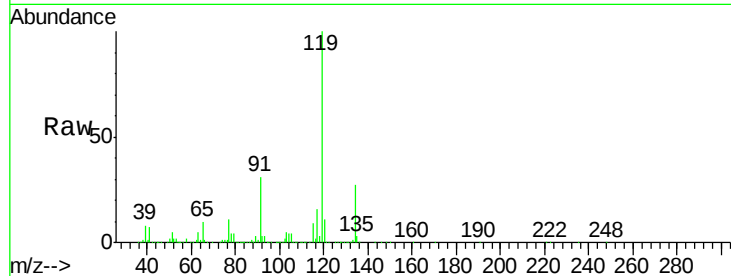
#69
p-Isopropyltoluene
Concen: 11.129 ppbv
RT: 17.69 min Scan# 4634
Delta R.T. -0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.9	20.8	31.2
91	30.8	24.9	37.3

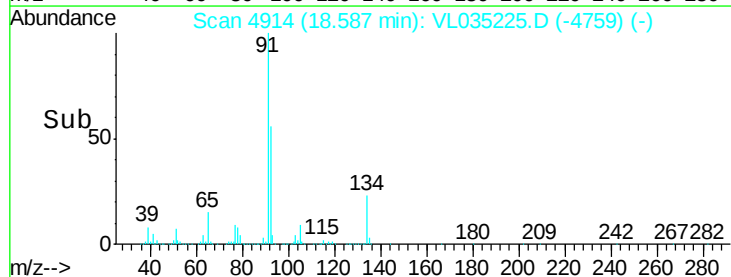
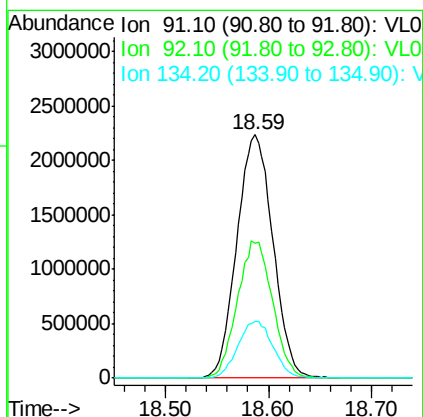
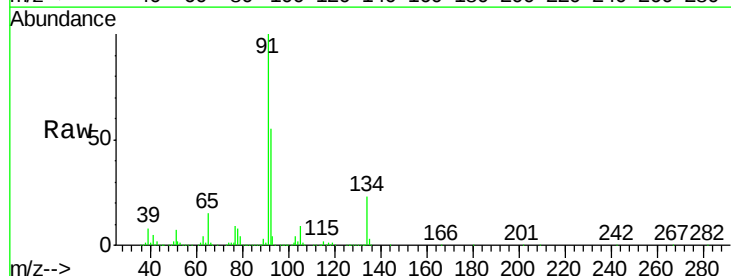
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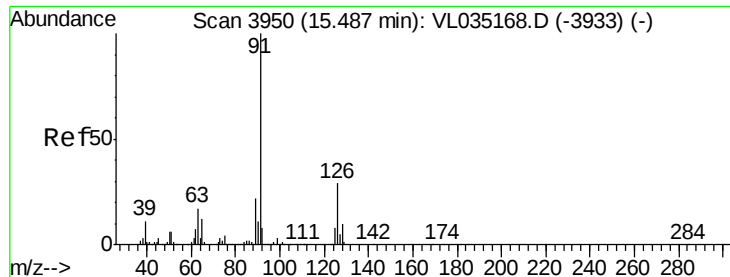
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#70
n-Butylbenzene
Concen: 10.832 ppbv
RT: 18.59 min Scan# 4914
Delta R.T. -0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion	Ratio	Lower	Upper
91	100		
92	55.0	44.0	66.0
134	22.8	18.0	27.0





#71

2-Chlorotoluene

Concen: 10.964 ppbv

RT: 15.49 min Scan# 3950

Delta R.T. 0.00 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Instrument :

MSVOA_L

ClientSampleId :

VL0723ABS01

Tgt Ion: 91 Resp: 3822544

Ion Ratio Lower Upper

91 100

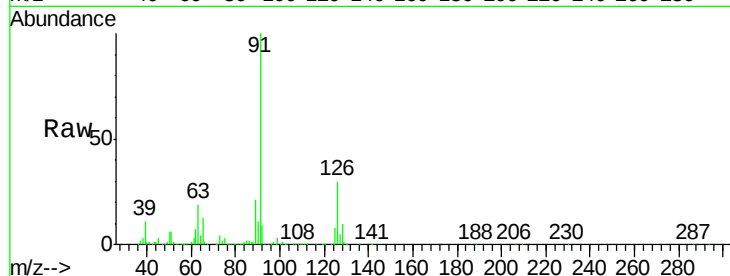
126 30.4 12.0 48.0

Manual Integrations

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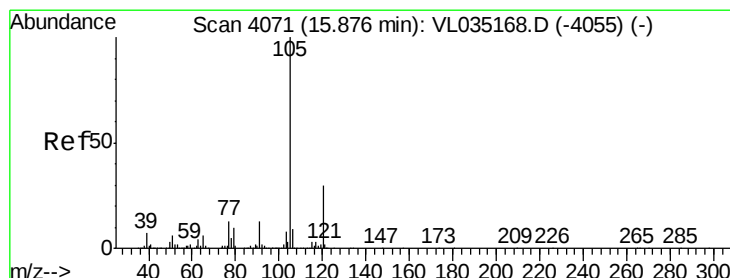
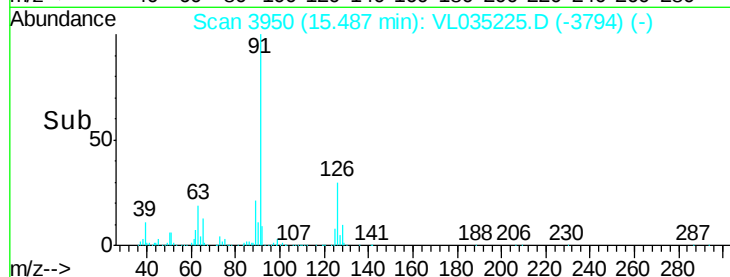
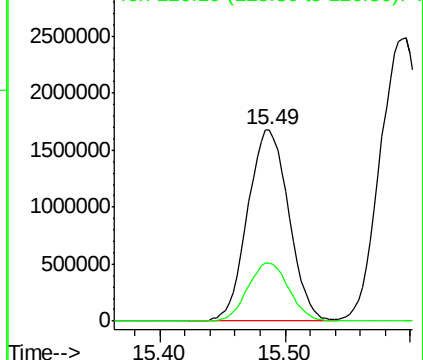
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 11.342 ppbv

RT: 15.87 min Scan# 4070

Delta R.T. -0.00 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Tgt Ion: 105 Resp: 3972546

Ion Ratio Lower Upper

105 100

120 29.4 23.2 34.8

91 13.3 10.9 16.3

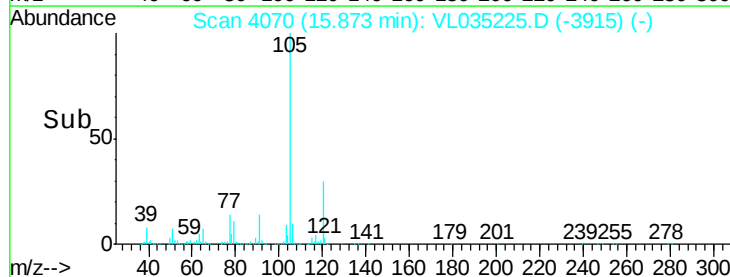
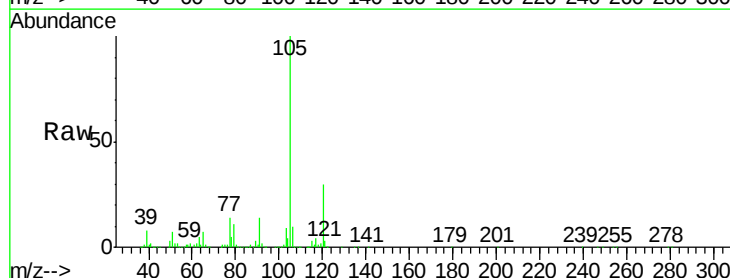
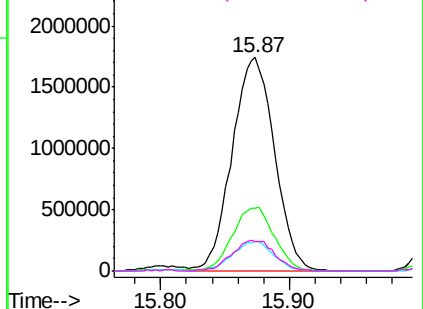
77 14.6 11.8 17.6

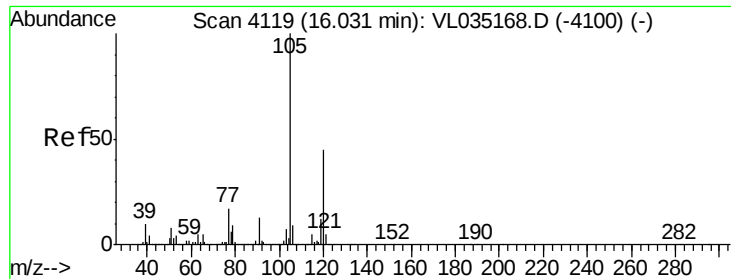
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





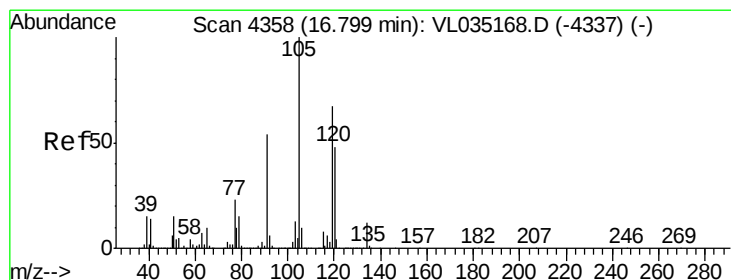
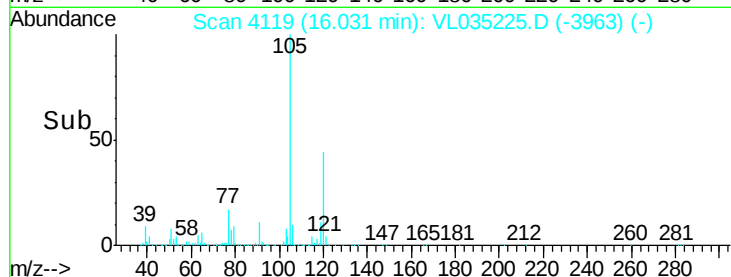
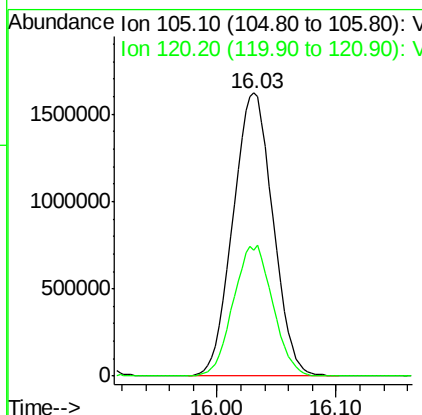
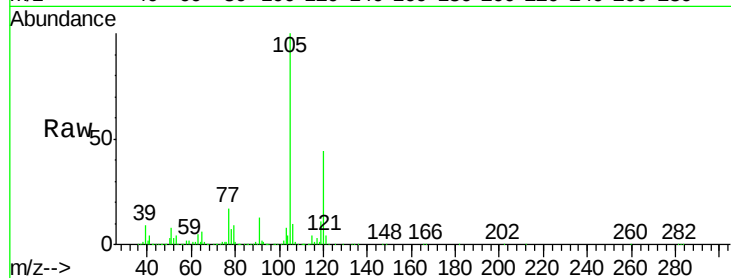
#73
 1,3,5-Trimethylbenzene
 Concen: 11.105 ppbv
 RT: 16.03 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0723ABS01

Tgt Ion:105 Resp: 3750857
 Ion Ratio Lower Upper
 105 100
 120 44.4 36.2 54.2

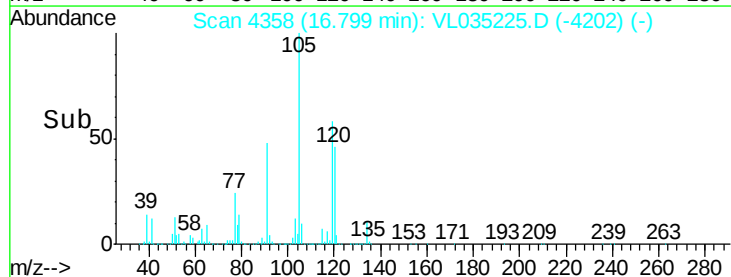
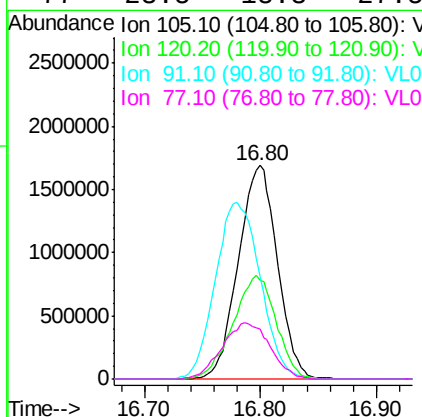
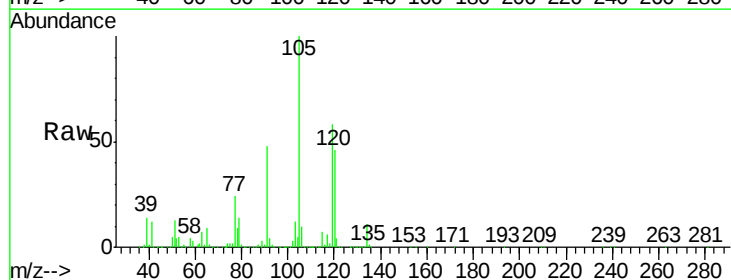
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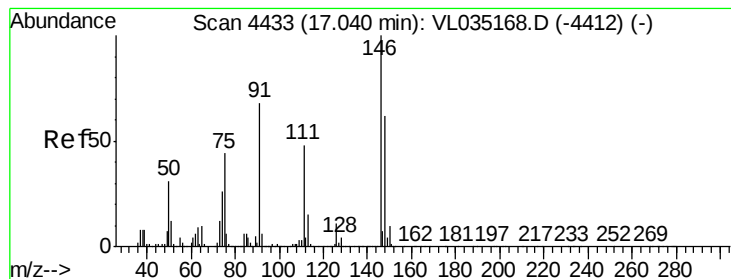
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.619 ppbv
 RT: 16.80 min Scan# 4358
 Delta R.T. 0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Tgt Ion:105 Resp: 3963452
 Ion Ratio Lower Upper
 105 100
 120 45.9 38.6 57.8
 91 47.6 43.6 65.4
 77 23.5 18.3 27.5





#75

1,3-Dichlorobenzene

Concen: 9.715 ppbv

RT: 17.03 min Scan# 4431

Delta R.T. -0.01 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

Instrument :

MSVOA_L

ClientSampleId :

VL0723ABS01

Tgt Ion:146 Resp: 2296384

Ion Ratio Lower Upper

146 100

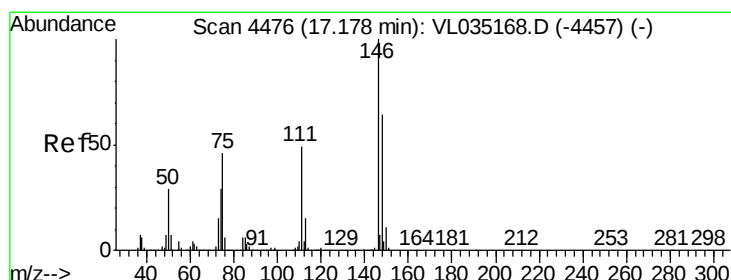
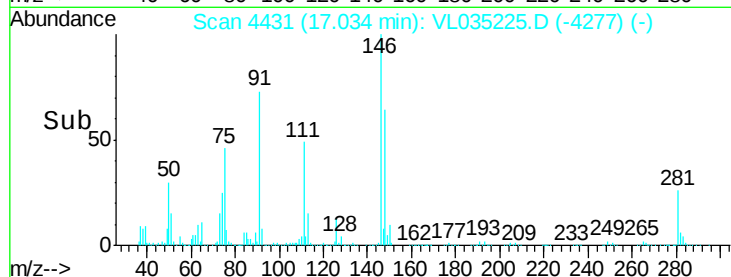
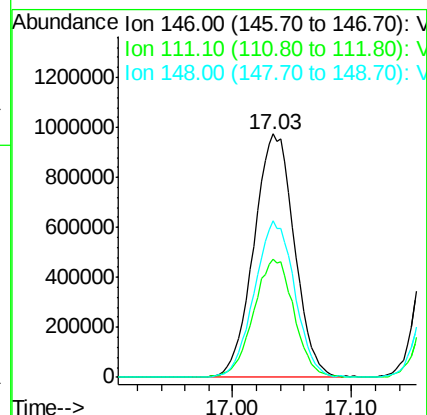
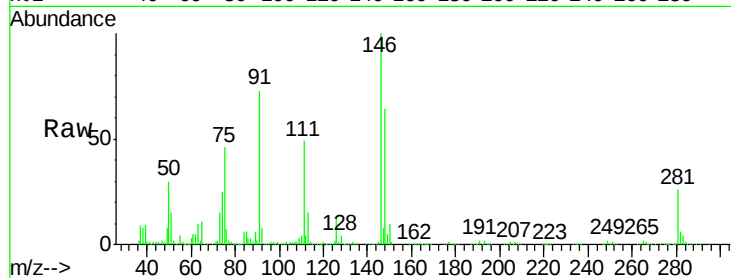
111 48.3 24.7 74.1

148 63.9 32.4 97.0

Manual Integrations
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#76

1,4-Dichlorobenzene

Concen: 10.373 ppbv

RT: 17.18 min Scan# 4475

Delta R.T. -0.00 min

Lab File: VL035225.D

Acq: 23 Jul 2020 11:47

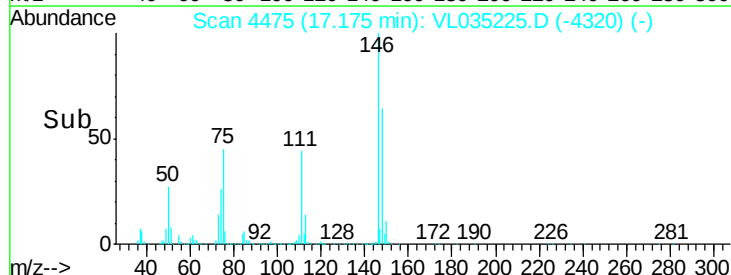
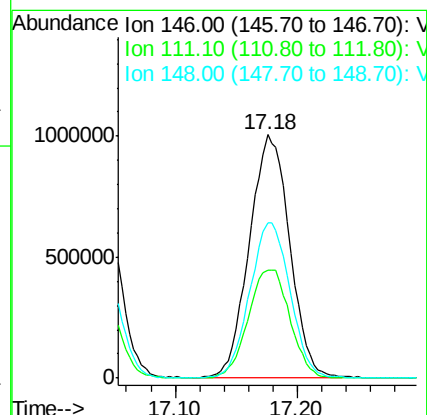
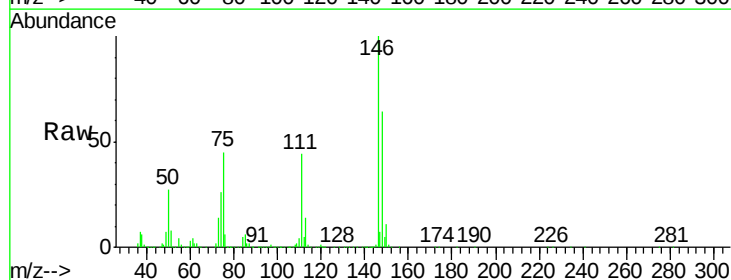
Tgt Ion:146 Resp: 2278528

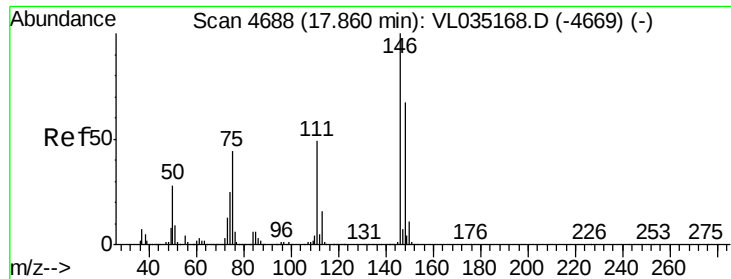
Ion Ratio Lower Upper

146 100

111 46.8 23.8 71.2

148 64.9 32.3 96.9





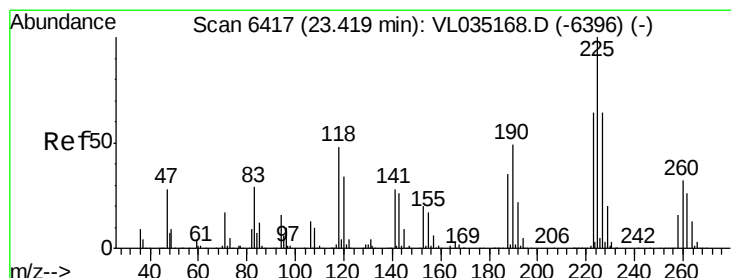
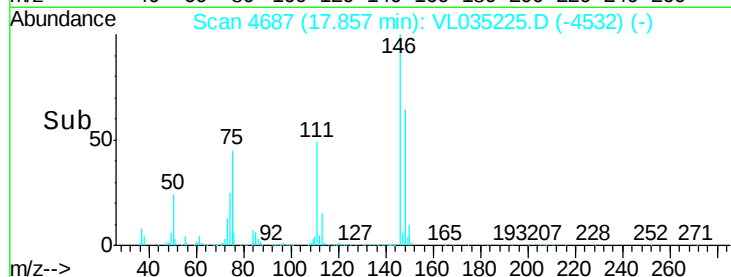
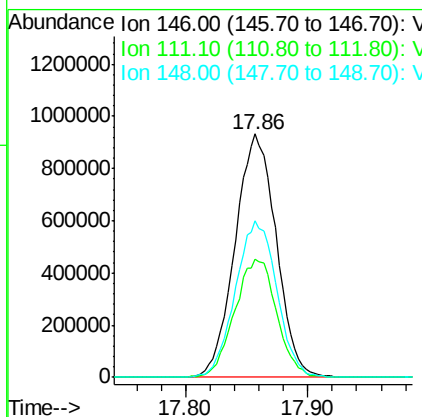
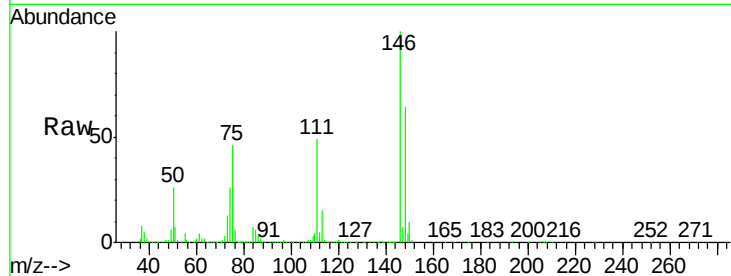
#77
 1,2-Dichlorobenzene
 Concen: 10.121 ppbv
 RT: 17.86 min Scan# 4687
 Delta R.T. -0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0723ABS01

Tgt Ion:146 Resp: 2153910
 Ion Ratio Lower Upper
 146 100
 111 50.2 25.1 75.2
 148 65.3 32.4 97.0

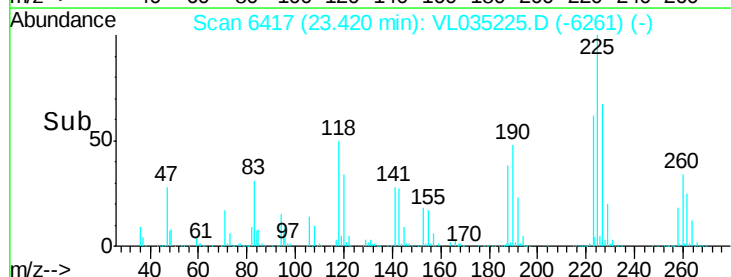
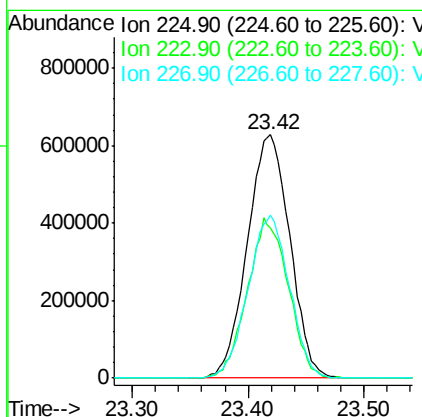
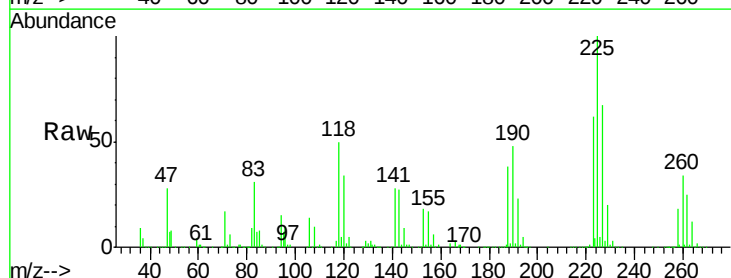
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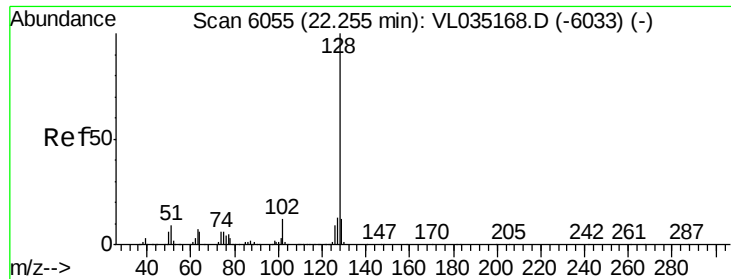
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.517 ppbv
 RT: 23.42 min Scan# 6417
 Delta R.T. 0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Tgt Ion:225 Resp: 1600548
 Ion Ratio Lower Upper
 225 100
 223 63.3 50.2 75.2
 227 65.1 51.2 76.8





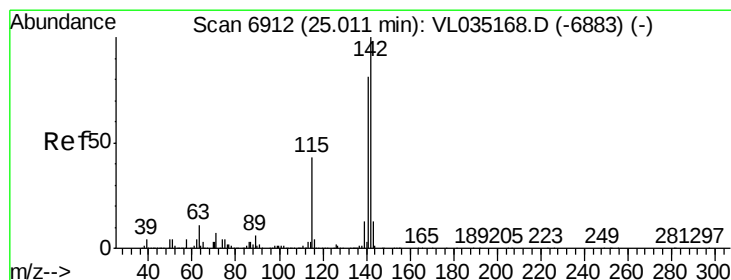
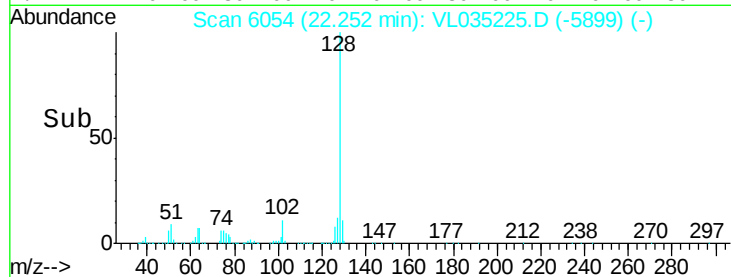
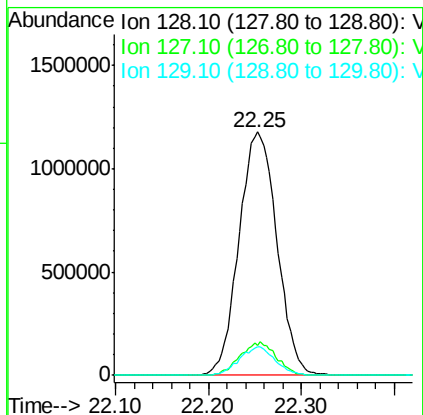
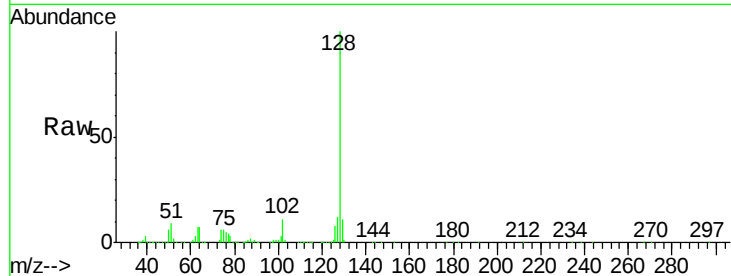
#79
Naphthalene
Concen: 13.807 ppbv
RT: 22.25 min Scan# 6054
Delta R.T. -0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Instrument :
MSVOA_L
ClientSampleId :
VL0723ABS01

Tgt Ion:128 Resp: 3334587
Ion Ratio Lower Upper
128 100
127 12.1 10.8 16.2
129 11.5 9.4 14.2

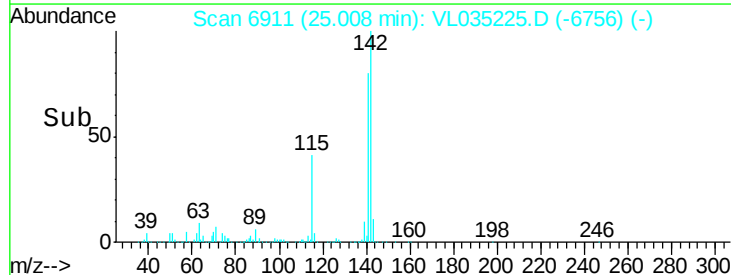
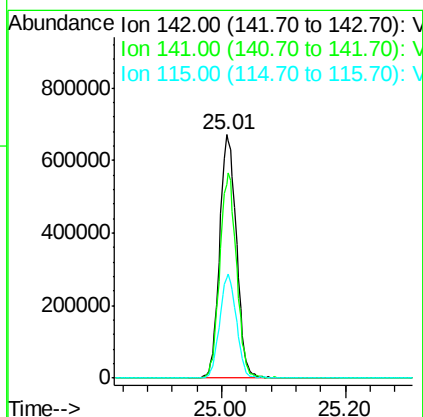
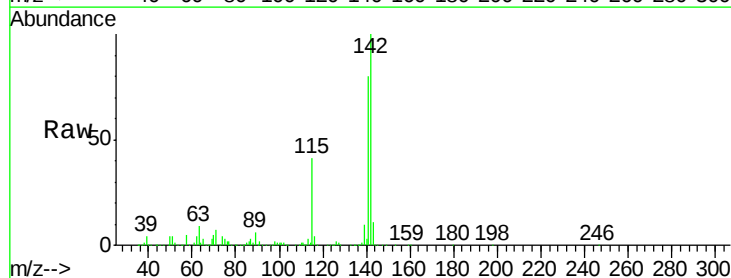
Manual Integrations
APPROVED

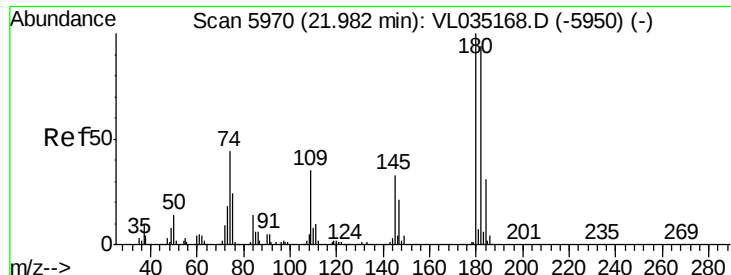
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#80
Naphthalene, 2-methyl-
Concen: 22.307 ppbv
RT: 25.01 min Scan# 6911
Delta R.T. -0.00 min
Lab File: VL035225.D
Acq: 23 Jul 2020 11:47

Tgt Ion:142 Resp: 1272658
Ion Ratio Lower Upper
142 100
141 83.5 68.2 102.4
115 42.0 34.4 51.6





#81
 1,2,4-Trichlorobenzene
 Concen: 11.945 ppbv m
 RT: 21.98 min Scan# 5969
 Delta R.T. -0.00 min
 Lab File: VL035225.D
 Acq: 23 Jul 2020 11:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0723ABS01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.5	76.7	115.1
184	0.0	25.0	37.6

Manual Integrations
 APPROVED

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