

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101220\
 Data File : VL035758.D
 Acq On : 12 Oct 2020 12:01
 Operator : SY/AP
 Sample : VL1012ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:11:19 PM

Quant Time: Oct 13 00:36:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Sep 23 2020
 QLast Update : Wed Sep 23 07:38:05 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1145462	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4422054	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4395783m	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3249730	9.87	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	3.03	85	1615460	8.595	ppbv 99
3) Chlorodifluoromethane	2.97	51	1235247	10.024	ppbv 99
4) Chloromethane	3.12	50	664418	10.037	ppbv 100
5) Vinyl Chloride	3.24	62	784864	10.024	ppbv 99
6) Bromomethane	3.46	94	652943	9.865	ppbv 97
7) Chloroethane	3.54	64	289437	10.079	ppbv 99
8) Dichlorotetrafluoroethane	3.17	85	2173633	9.535	ppbv 100
9) Propene	2.99	41	472212	10.554	ppbv 99
10) Heptane	8.12	43	1382014	11.080	ppbv 100
11) Trichlorofluoromethane	3.93	101	2611755	9.739	ppbv 98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1936805	9.688	ppbv 100
13) Ethanol	3.60	45	94496	8.564	ppbv 97
14) Bromoethene	3.73	108	862214	10.239	ppbv 100
15) Acetone	3.83	43	1088362	8.830	ppbv 100
16) 1,3-Butadiene	3.31	39	490859	10.886	ppbv 100
17) tert-Butyl alcohol	4.29	59	1400716	10.433	ppbv 100
18) 1,1-Dichloroethene	4.28	96	900672	10.290	ppbv 100
19) Isopropyl Alcohol	3.96	45	676440	10.089	ppbv 98
20) Methylene Chloride	4.33	84	743083	8.208	ppbv 98
21) Allyl Chloride	4.40	41	642261	10.750	ppbv 100
22) trans-1,2-Dichloroethene	4.87	96	944379	10.213	ppbv 97
23) Vinyl Acetate	5.06	43	1682633	11.146	ppbv 100
24) 1,1-Dichloroethane	5.00	63	1621855	9.863	ppbv 99
25) Ethyl Acetate	5.67	43	2244872	10.122	ppbv 100
26) Hexane	5.68	57	1245238	10.246	ppbv 99
27) Carbon Disulfide	4.54	76	2010795	11.100	ppbv 99
28) Methyl tert-Butyl Ether	5.02	73	2142162	11.119	ppbv 99
29) Chloroform	5.74	83	2476091	10.033	ppbv 100
30) Cyclohexane	7.12	84	1344691	11.214	ppbv 99
31) cis-1,2-Dichloroethene	5.54	61	1320657	11.257	ppbv 98
32) 1,1,1-Trichloroethane	6.50	97	2400975	11.036	ppbv 100
34) 2-Butanone	5.24	43	1538254	10.517	ppbv 100
35) Carbon Tetrachloride	7.01	117	2471560	10.720	ppbv 98
36) Benzene	6.89	78	3106420	10.781	ppbv 100
37) 1,2-Dichloroethane	6.30	62	1541916	10.267	ppbv 100
38) Trichloroethene	7.83	130	1539829	10.713	ppbv 100
39) 1,2-Dichloropropane	7.61	63	1076846	10.311	ppbv 98
40) 1,4-Dioxane	7.82	88	500476	10.478	ppbv 94
41) Tetrahydrofuran	6.04	42	871209	11.823	ppbv 99
42) Bromodichloromethane	7.79	83	2582699	10.676	ppbv 99
43) Methyl Methacrylate	8.01	69	1318312	11.504	ppbv 99

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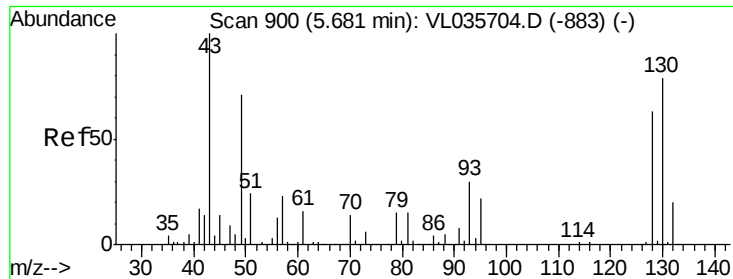
Manual Integrations
 APPROVED

MMDadoda
 10/14/2020 2:11:19 PM

Quant Time: Oct 13 00:36:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Sep 23 2020
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	4218390	10.202	ppbv	100
45) t-1,3-Dichloropropene	9.28	75	1476139	12.758	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1758399	12.329	ppbv	98
47) 1,1,2-Trichloroethane	9.47	97	1507802	10.079	ppbv	98
48) Dibromochloromethane	10.30	129	2529548	11.110	ppbv	100
49) Bromoform	13.05	173	2266694	11.733	ppbv	100
50) 4-Methyl-2-Pentanone	8.74	43	2297873	10.756	ppbv	100
51) 2-Hexanone	10.13	43	1930505	11.216	ppbv	99
52) Tetrachloroethene	11.22	164	1446191	10.437	ppbv	96
53) Toluene	9.81	91	3876864	11.410	ppbv	100
54) 1,2-Dibromoethane	10.61	107	2351829	10.499	ppbv	100
56) 1,1,1,2-Tetrachloroethane	12.13	131	1970917	10.693	ppbv	96
57) Chlorobenzene	12.15	112	3249497	9.787	ppbv	99
58) Ethyl Benzene	12.71	91	5051839	11.450	ppbv	99
59) m/p-Xylene	13.00	91	8638926m	22.421	ppbv	
60) o-Xylene	13.70	91	4207582	10.795	ppbv	100
61) Styrene	13.53	104	3284555	12.188	ppbv	100
62) Isopropylbenzene	14.67	105	6311468	10.440	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.68	83	3071578	9.611	ppbv	100
64) n-propylbenzene	15.57	120	1936942	10.947	ppbv	99
65) tert-Butylbenzene	16.76	119	5829188	10.605	ppbv	100
66) Benzyl Chloride	17.00	91	2154026	12.935	ppbv	100
67) sec-Butylbenzene	17.30	105	7778376	10.248	ppbv	100
69) p-Isopropyltoluene	17.66	119	6538427	10.588	ppbv	99
70) n-Butylbenzene	18.56	91	6501882	10.225	ppbv	99
71) 2-Chlorotoluene	15.46	91	4856535	11.013	ppbv	100
72) 4-Ethyltoluene	15.85	105	5134844	11.121	ppbv	100
73) 1,3,5-Trimethylbenzene	16.01	105	4785550	10.968	ppbv	99
74) 1,2,4-Trimethylbenzene	16.77	105	4972599	10.110	ppbv	95
75) 1,3-Dichlorobenzene	17.01	146	3273351	9.748	ppbv	99
76) 1,4-Dichlorobenzene	17.15	146	3281803	10.224	ppbv	100
77) 1,2-Dichlorobenzene	17.83	146	3214042	10.134	ppbv	99
78) Hexachloro-1,3-Butadiene	23.39	225	1739651	9.942	ppbv	100
79) Naphthalene	22.21	128	4782644	10.195	ppbv	99
80) Naphthalene, 2-methyl-	24.99	142	1213256	10.965	ppbv	99
81) 1,2,4-Trichlorobenzene	21.95	180	2497414	10.273	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion: 49 Resp: 1145462

Ion Ratio Lower Upper

49 100

128 84.9 43.1 129.4

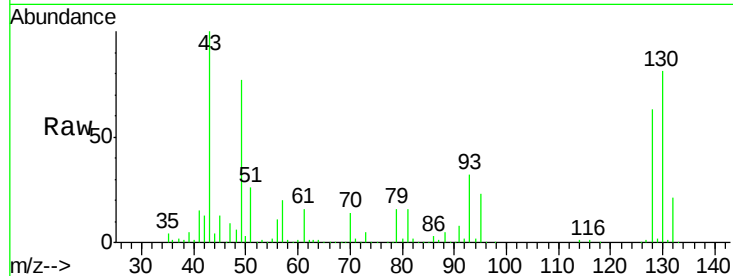
130 107.7 54.9 164.7

Manual Integrations

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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

800000

600000

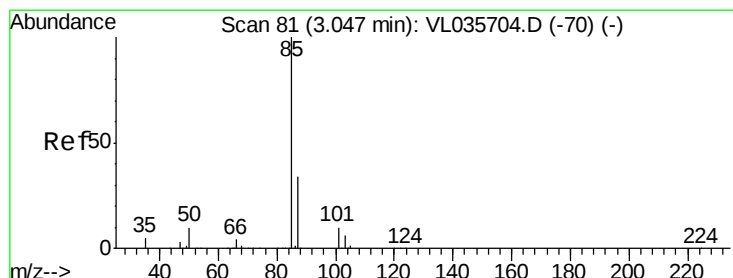
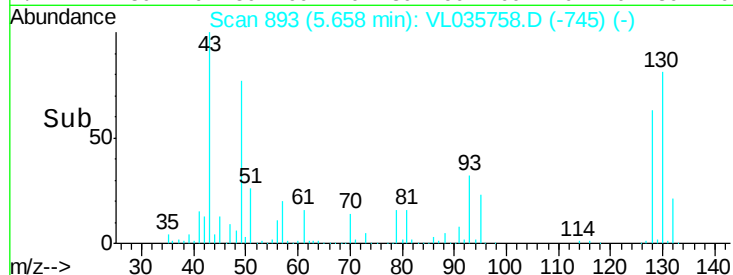
400000

200000

0

5.60 5.65 5.70

Time-->



#2

Dichlorodifluoromethane

Concen: 8.595 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL035758.D

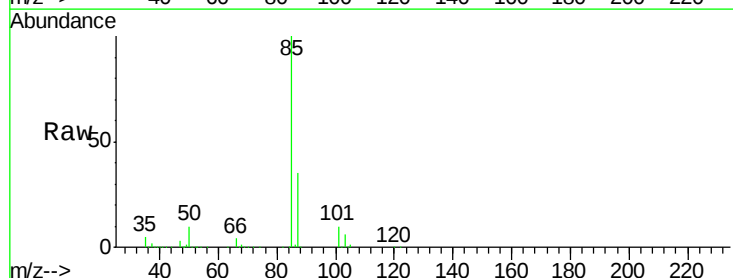
Acq: 12 Oct 2020 12:01

Tgt Ion: 85 Resp: 1615460

Ion Ratio Lower Upper

85 100

87 34.6 27.3 40.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1500000

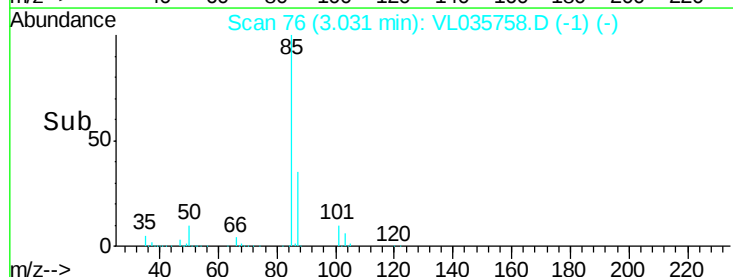
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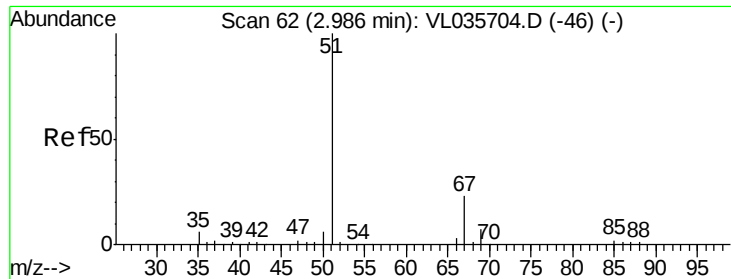
500000

0

3.00 3.05 3.10

Time-->





#3

Chlorodifluoromethane

Concen: 10.024 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.01 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Tot Ion: 51 Resp: 1235247

Ion Ratio Lower Upper

51 100

67 21.9 17.8 26.8

Instrument :

MSVOA_L

ClientSampleId :

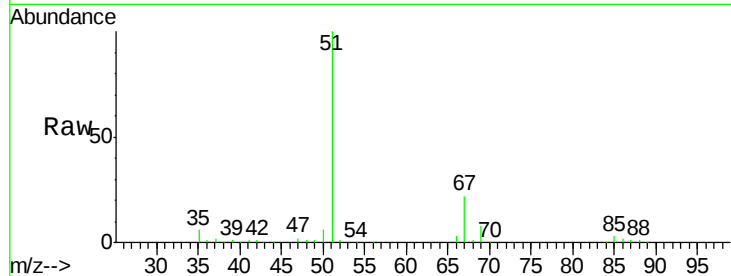
VL1012ABS01

Manual Integrations

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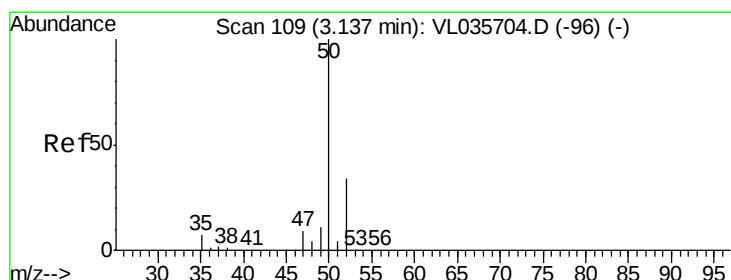
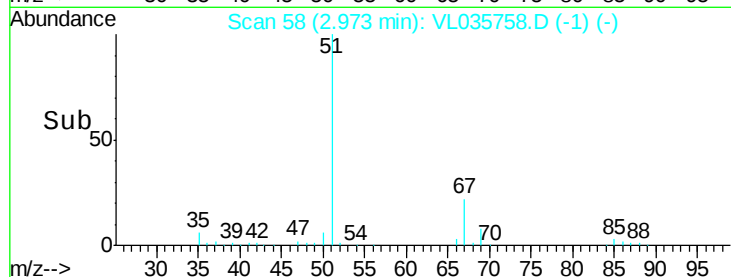
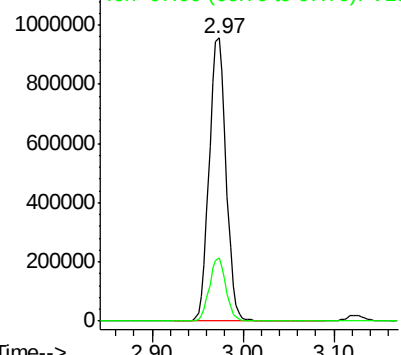
MMDadoda

10/14/2020 2:11:19 PM



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.037 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL035758.D

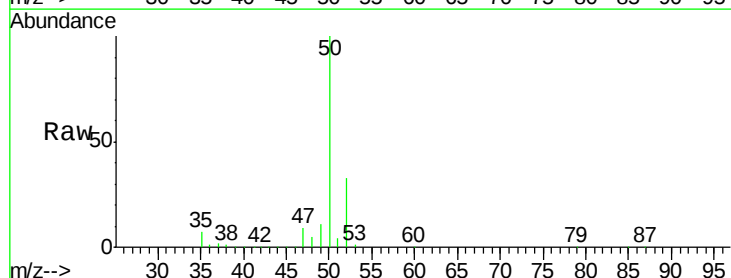
Acq: 12 Oct 2020 12:01

Tgt Ion: 50 Resp: 664418

Ion Ratio Lower Upper

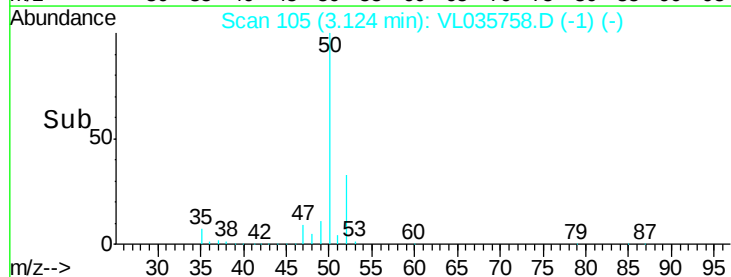
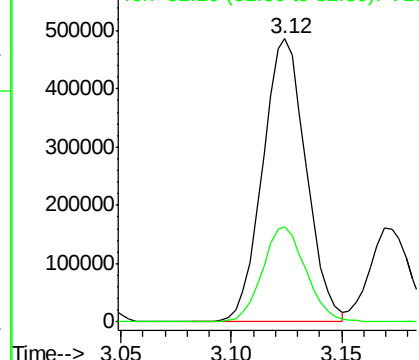
50 100

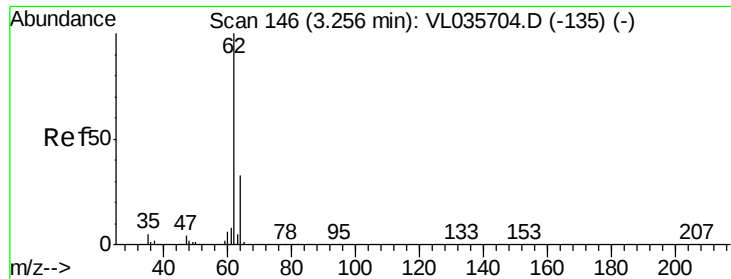
52 33.4 26.8 40.2



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.024 ppbv

RT: 3.24 min Scan# 141

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion: 62 Resp: 784864

Ion Ratio Lower Upper

62 100

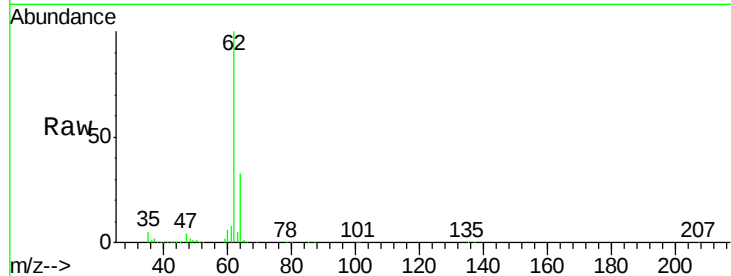
64 32.8 26.8 40.2

Manual Integrations

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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

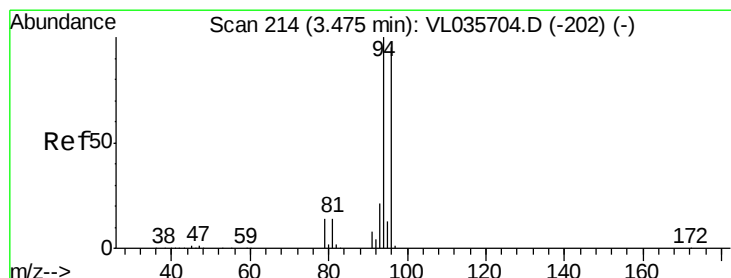
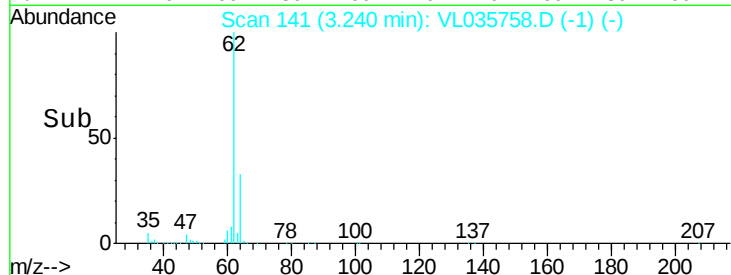
600000

400000

200000

0

Time-->



#6

Bromomethane

Concen: 9.865 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.02 min

Lab File: VL035758.D

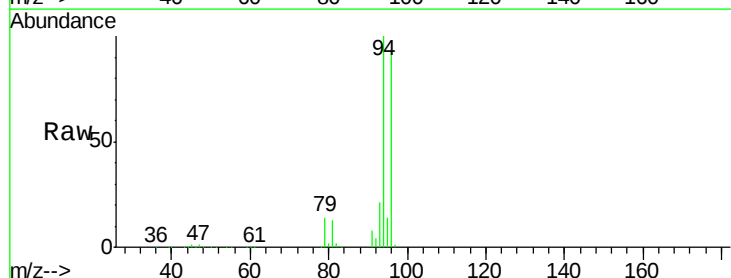
Acq: 12 Oct 2020 12:01

Tgt Ion: 94 Resp: 652943

Ion Ratio Lower Upper

94 100

96 92.7 76.3 114.5



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

500000

400000

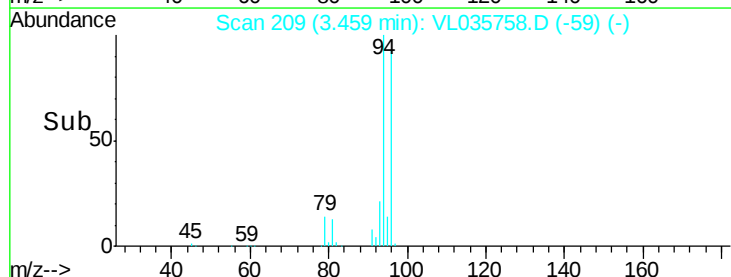
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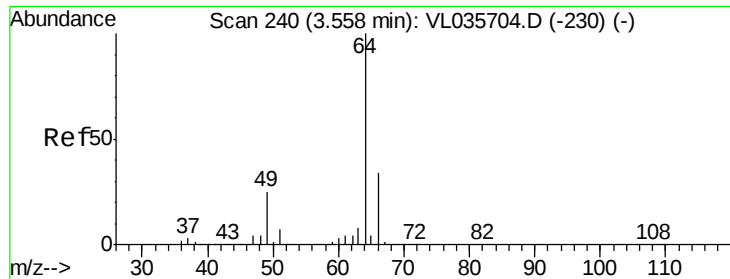
200000

100000

0

Time-->





#7

Chloroethane

Concen: 10.079 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion: 64 Resp: 289437

Ion Ratio Lower Upper

64 100

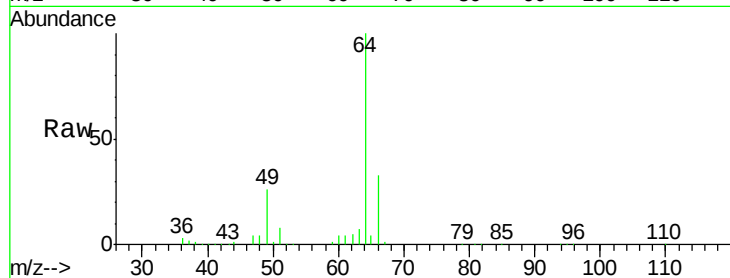
66 33.1 26.9 40.3

Manual Integrations

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

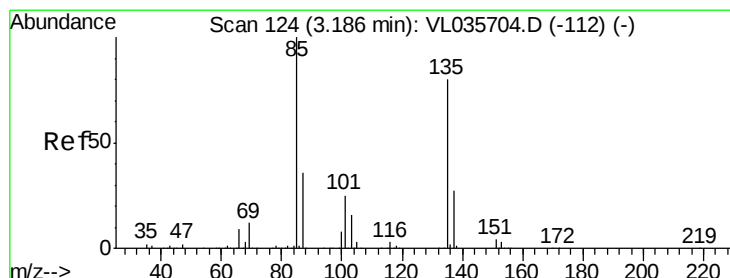
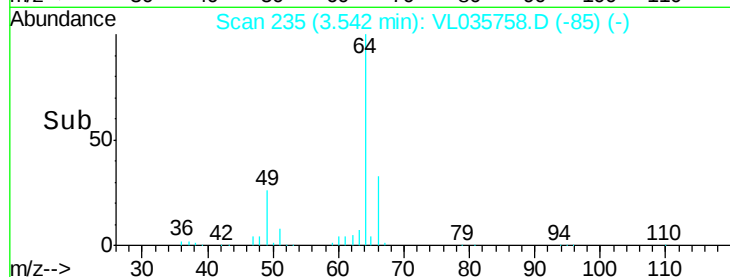
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.535 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.01 min

Lab File: VL035758.D

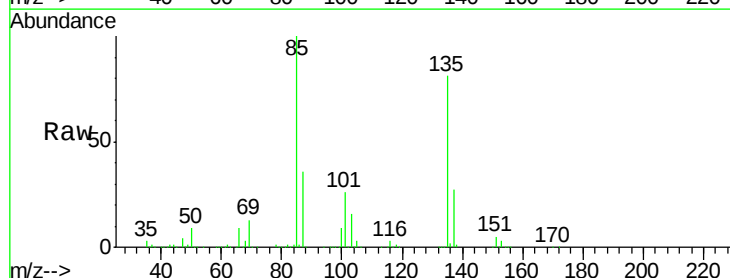
Acq: 12 Oct 2020 12:01

Tgt Ion: 85 Resp: 2173633

Ion Ratio Lower Upper

85 100

135 80.3 64.3 96.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

2000000

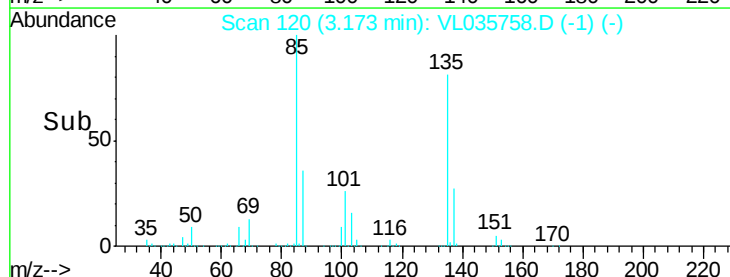
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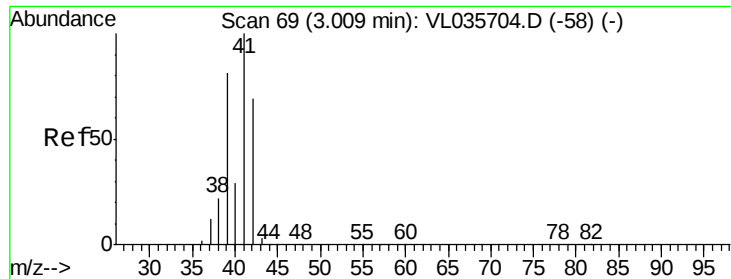
1000000

500000

0

Time-->





#9

Propene

Concen: 10.554 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion: 41 Resp: 472212

Ion Ratio Lower Upper

41 100

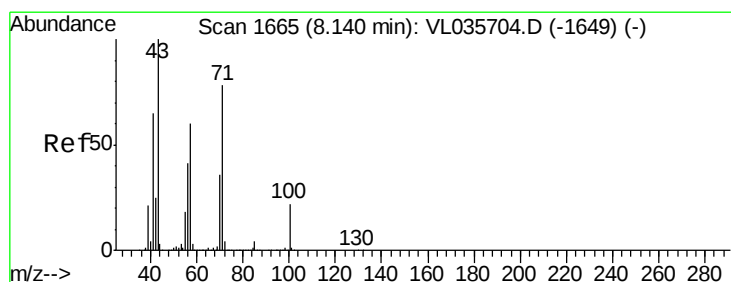
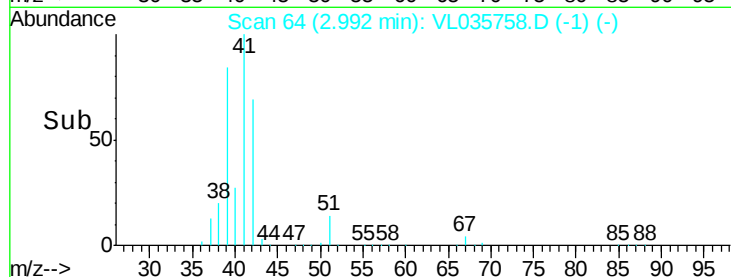
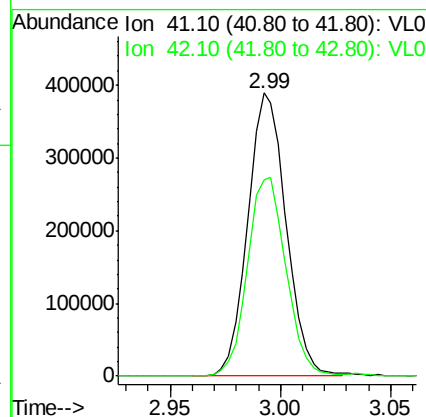
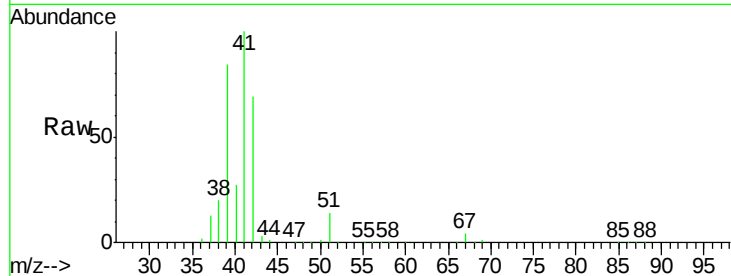
42 71.0 56.2 84.4

Manual Integrations

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#10

Heptane

Concen: 11.080 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.02 min

Lab File: VL035758.D

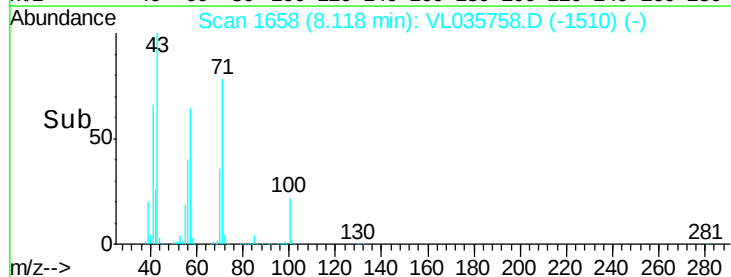
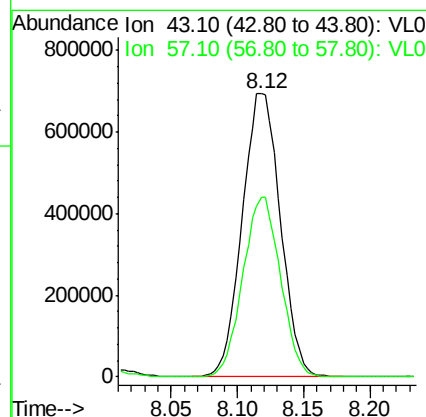
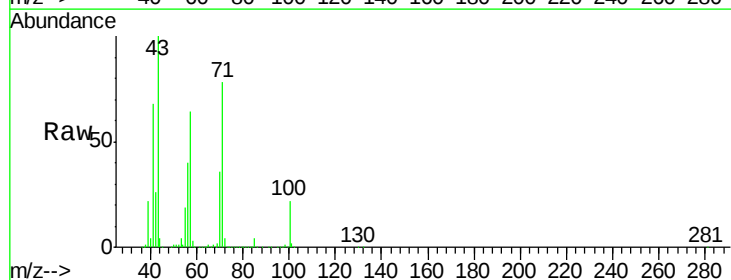
Acq: 12 Oct 2020 12:01

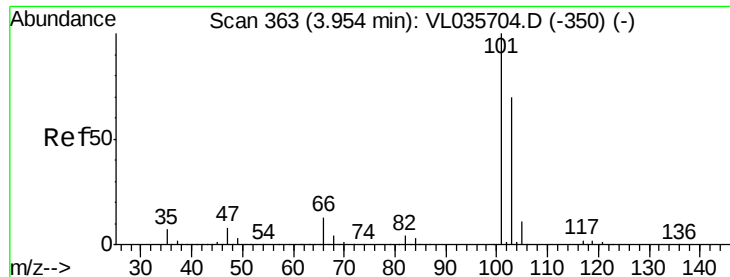
Tgt Ion: 43 Resp: 1382014

Ion Ratio Lower Upper

43 100

57 62.9 50.4 75.6





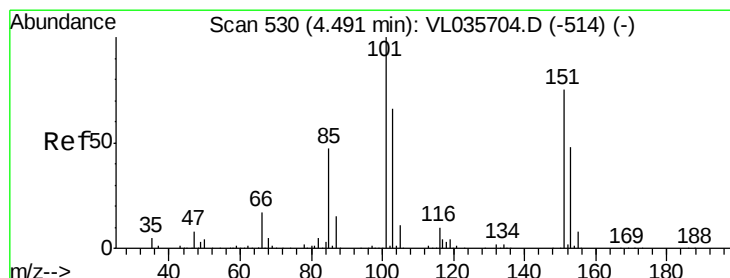
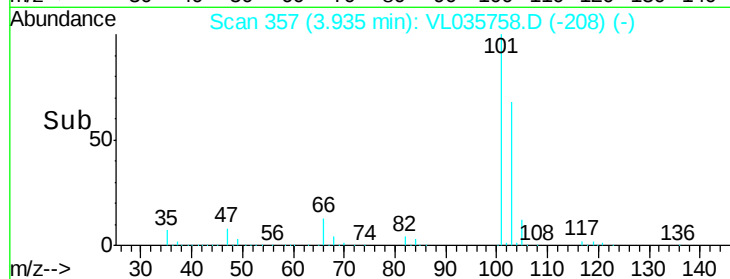
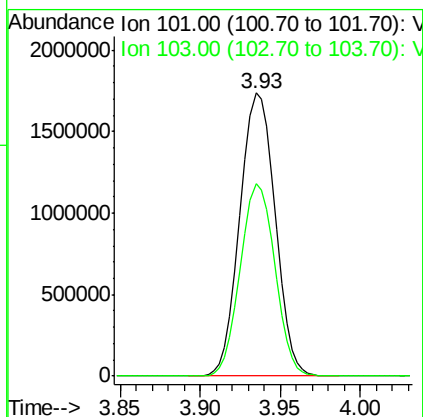
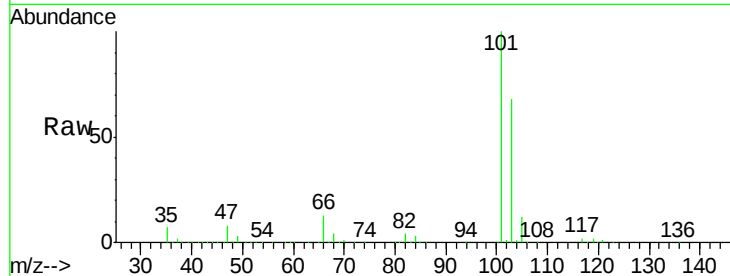
#11
 Trichlorofluoromethane
 Concen: 9.739 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Tot Ion:101 Resp: 2611755
 Ion Ratio Lower Upper
 101 100
 103 68.1 55.6 83.4

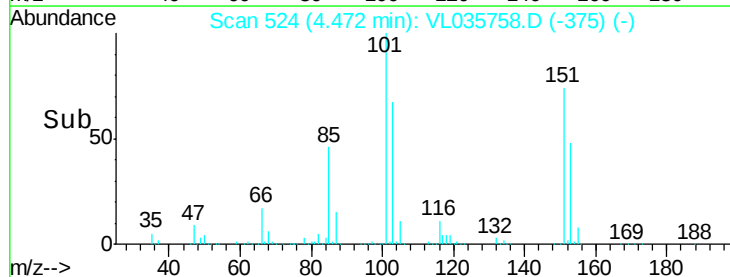
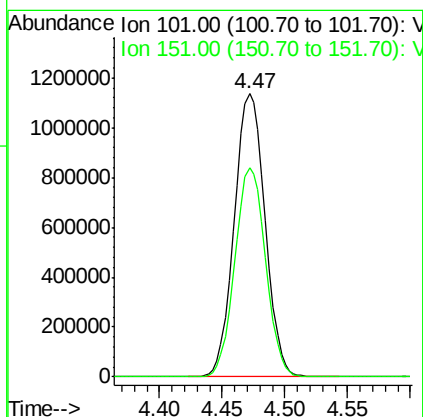
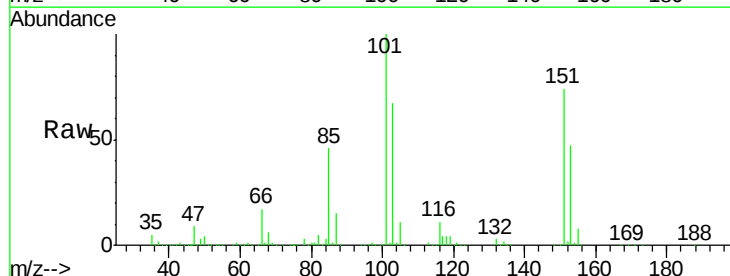
Manual Integrations
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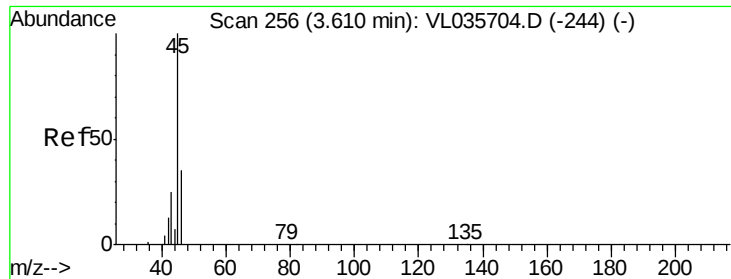
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.688 ppbv
 RT: 4.47 min Scan# 524
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion:101 Resp: 1936805
 Ion Ratio Lower Upper
 101 100
 151 73.9 59.1 88.7





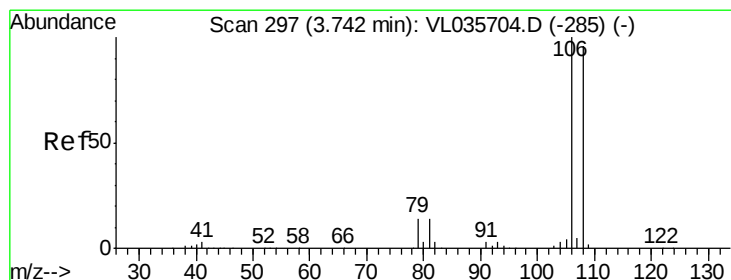
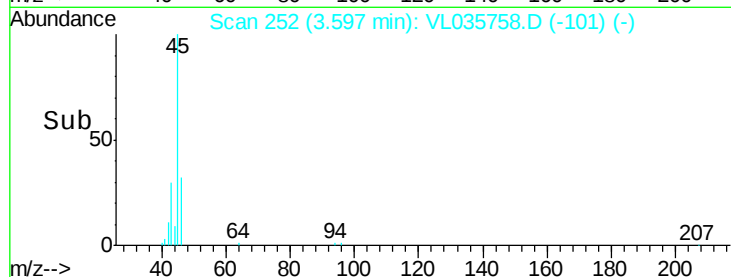
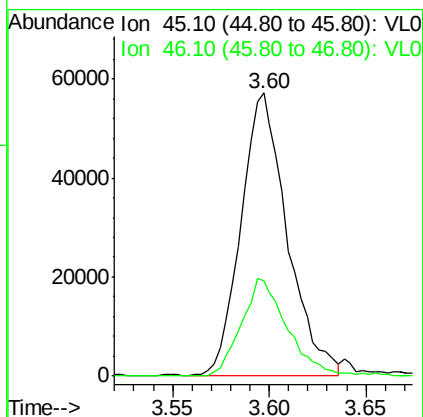
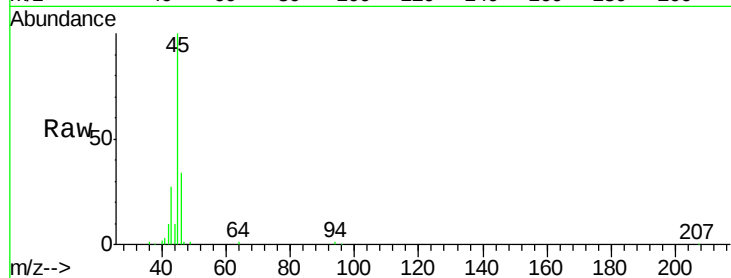
#13
Ethanol
Concen: 8.564 ppbv
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

Tot Ion: 45 Resp: 94496
Ion Ratio Lower Upper
45 100
46 35.0 14.7 58.7

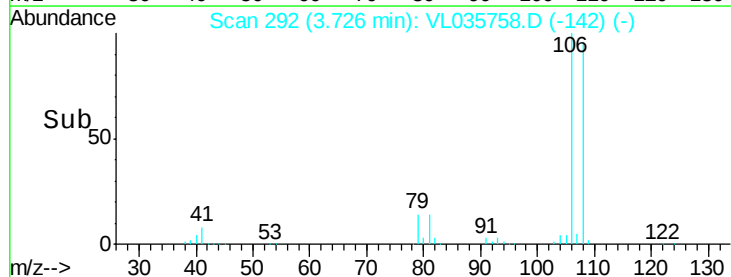
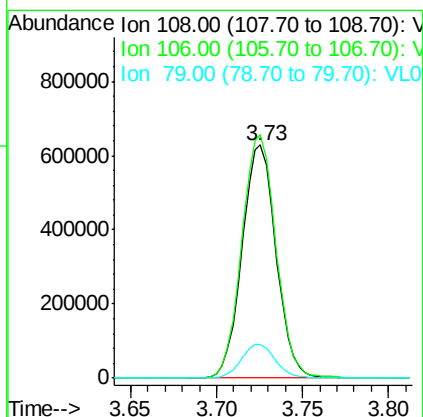
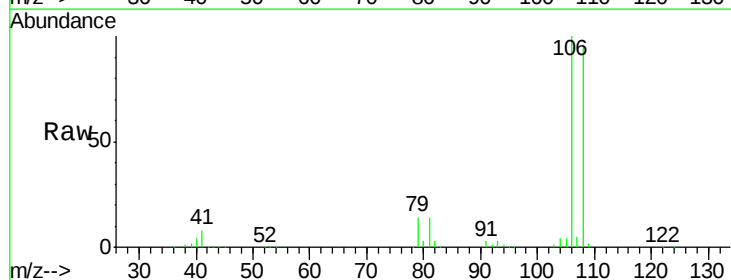
Manual Integrations
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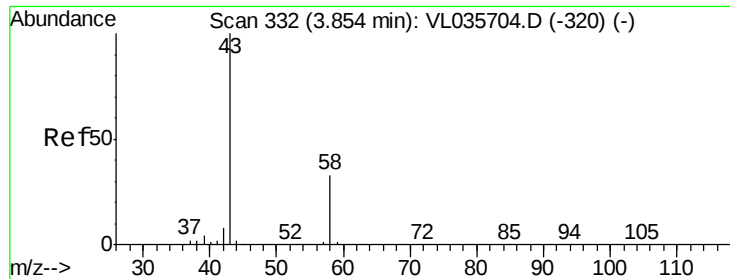
MMDadoda
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#14
Bromoethene
Concen: 10.239 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion: 108 Resp: 862214
Ion Ratio Lower Upper
108 100
106 105.6 84.6 126.8
79 14.7 11.6 17.4





#15

Acetone

Concen: 8.830 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion: 43 Resp: 1088362

Ion Ratio Lower Upper

43 100

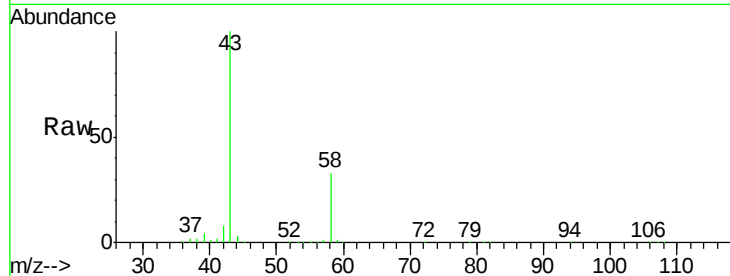
58 34.4 27.3 40.9

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.83

800000

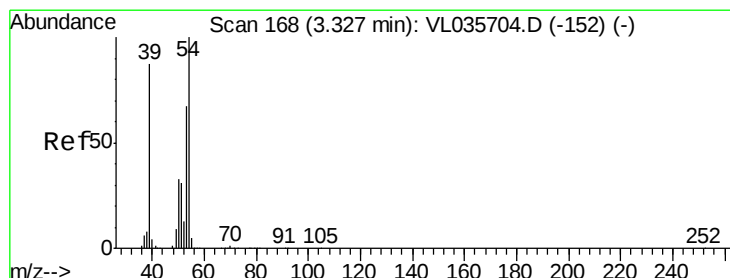
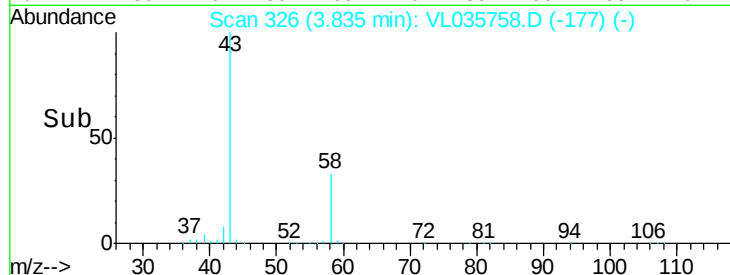
600000

400000

200000

0

Time-->



#16

1,3-Butadiene

Concen: 10.886 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.02 min

Lab File: VL035758.D

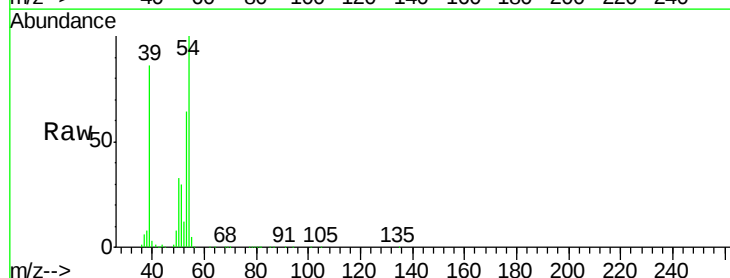
Acq: 12 Oct 2020 12:01

Tgt Ion: 39 Resp: 490859

Ion Ratio Lower Upper

39 100

54 109.0 87.4 131.0



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

3.31

500000

400000

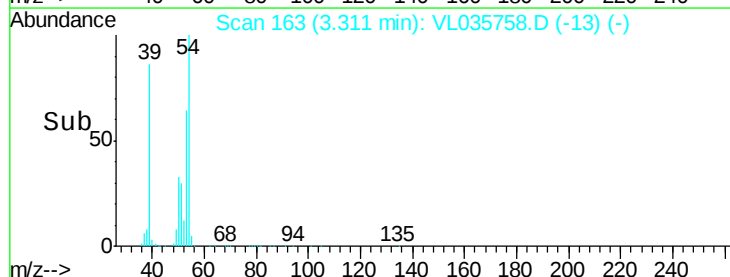
300000

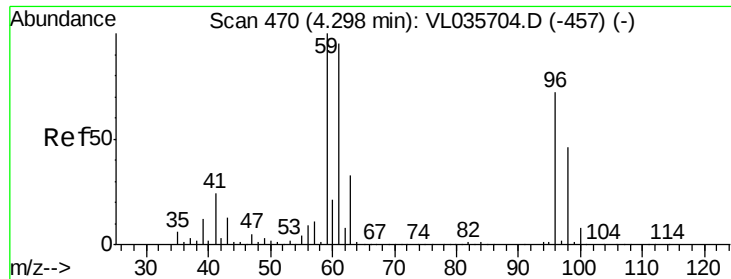
200000

100000

0

Time-->





#17

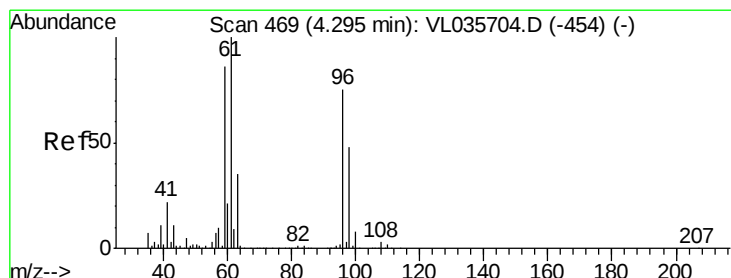
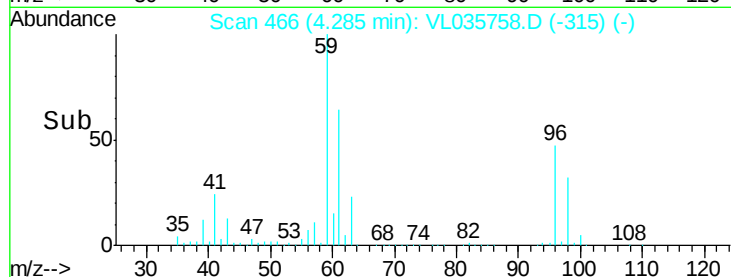
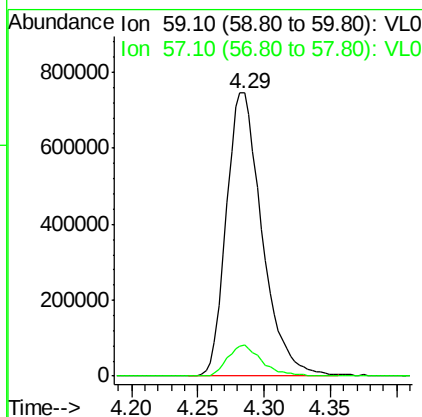
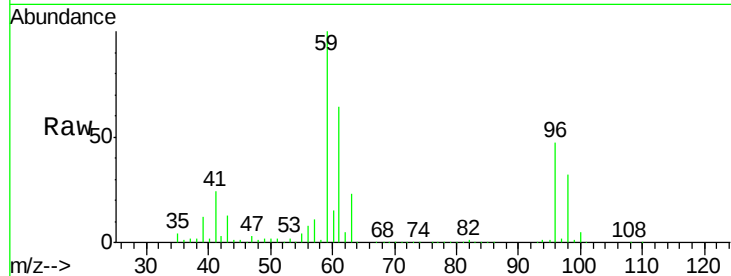
tert-Butyl alcohol
 Concen: 10.433 ppbv
 RT: 4.29 min Scan# 466
 Delta R.T. -0.01 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Tot Ion: 59 Resp: 1400716
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.5 12.7

Manual Integrations
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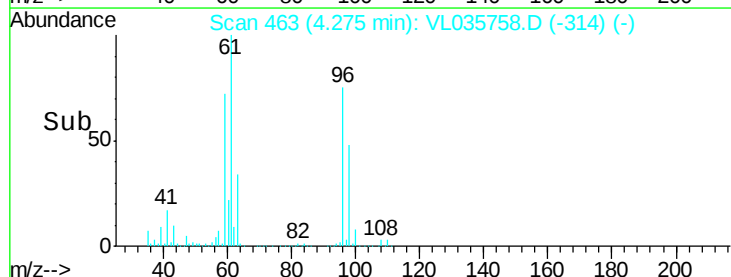
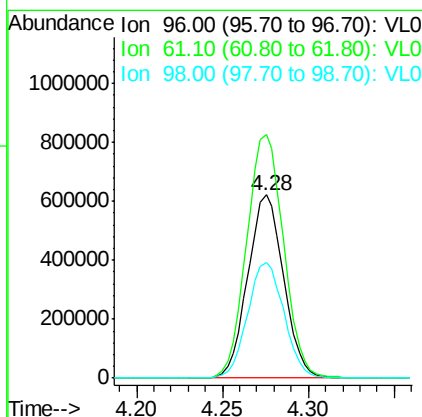
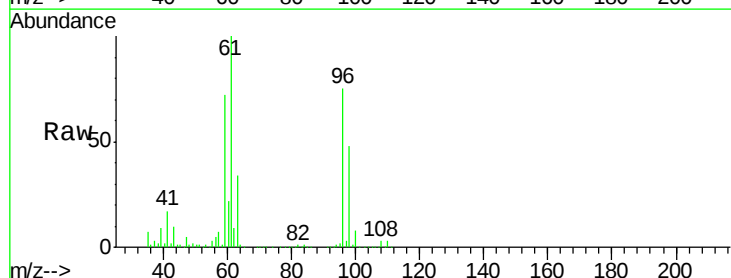
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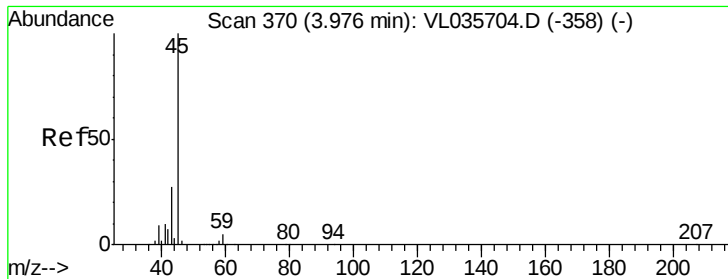


#18

1,1-Dichloroethene
 Concen: 10.290 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion: 96 Resp: 900672
 Ion Ratio Lower Upper
 96 100
 61 133.0 106.7 160.1
 98 63.5 50.8 76.2





#19

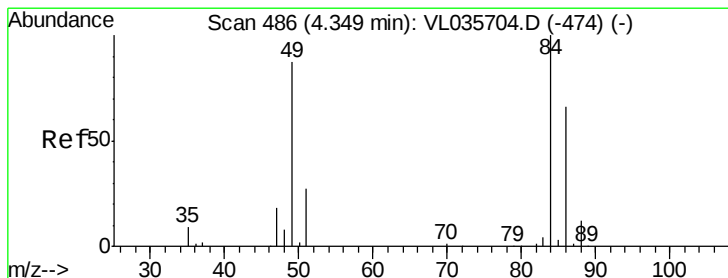
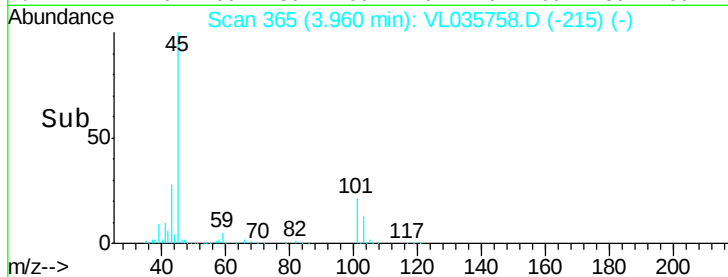
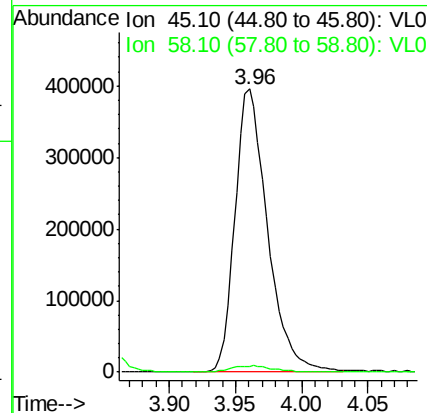
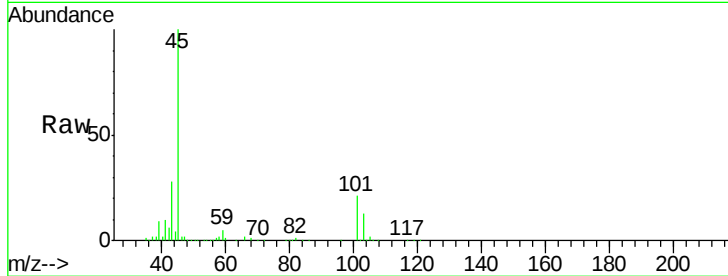
Isopropyl Alcohol
 Concen: 10.089 ppbv
 RT: 3.96 min Scan# 365
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Tot Ion	Ratio	Lower	Upper
45	100		
58	3.0	2.8	4.2

Manual Integrations
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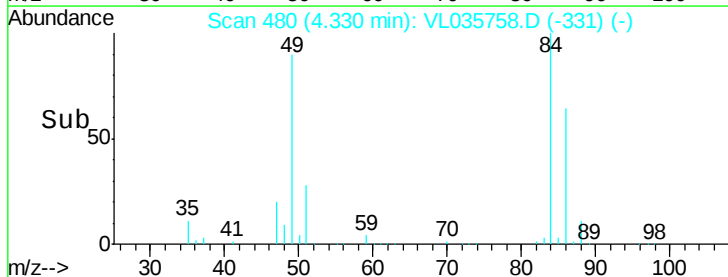
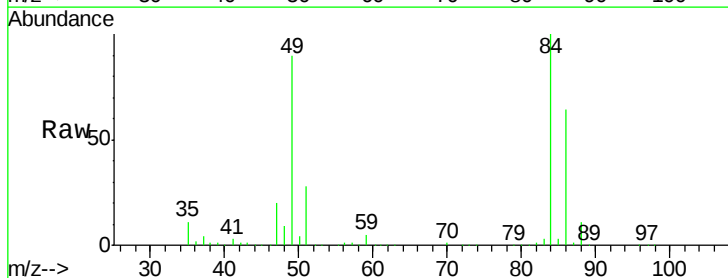
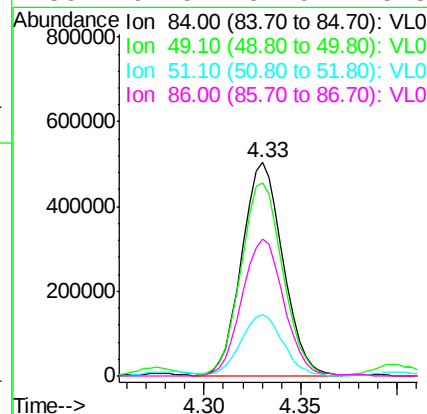
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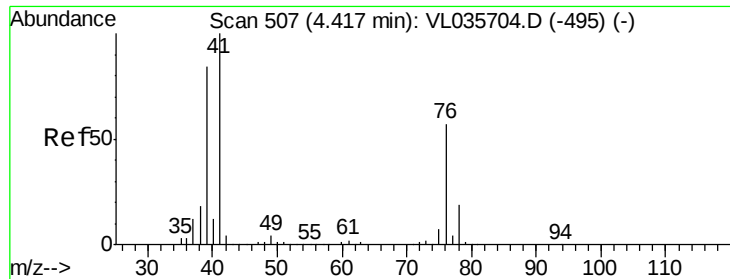


#20

Methylene Chloride
 Concen: 8.208 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion	Ratio	Lower	Upper
84	100		
49	89.8	69.8	104.6
51	28.4	21.8	32.8
86	64.5	52.6	78.8





#21

Allvl Chloride

Concen: 10.750 ppbv

RT: 4.40 min Scan# 501

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

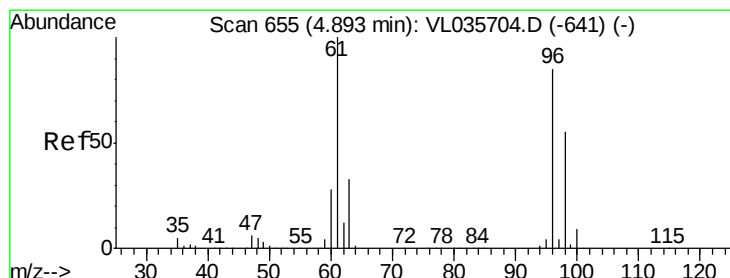
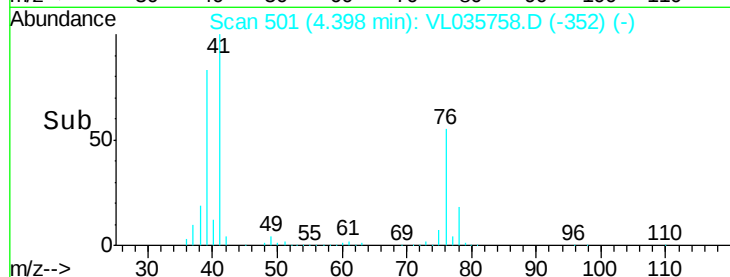
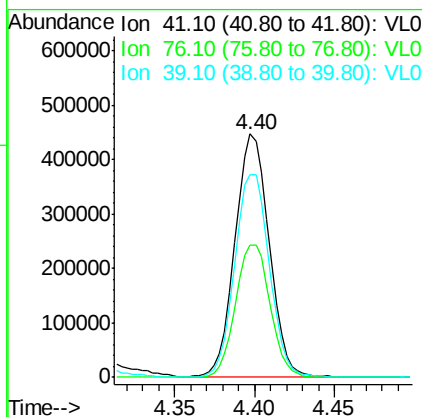
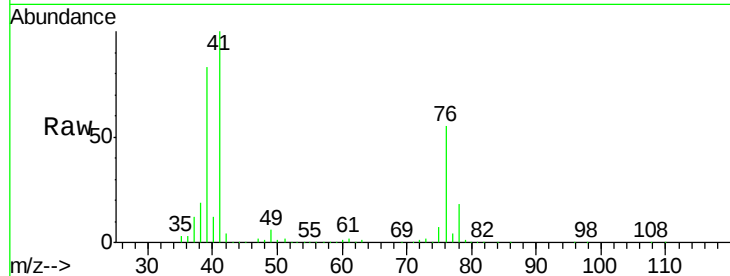
ClientSampleId :

VL1012ABS01

Tot Ion:	41	Resp:	642261
Ion	Ratio	Lower	Upper
41	100		
76	55.7	44.8	67.2
39	85.9	68.4	102.6

Manual Integrations
APPROVED

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#22

trans-1,2-Dichloroethene

Concen: 10.213 ppbv

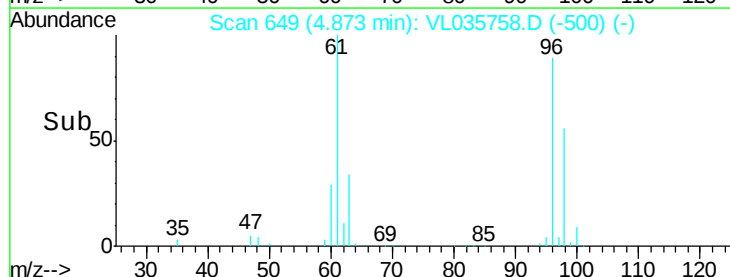
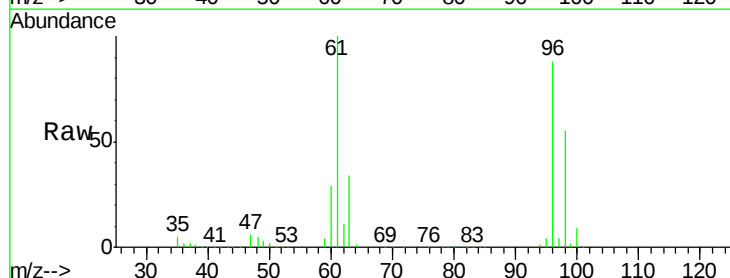
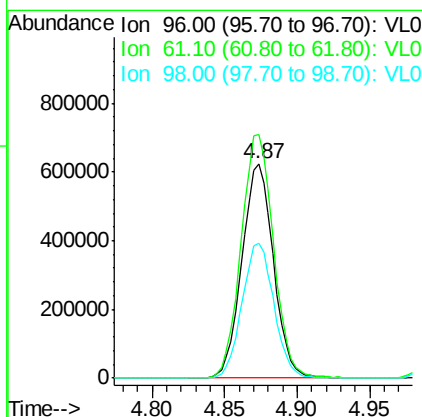
RT: 4.87 min Scan# 649

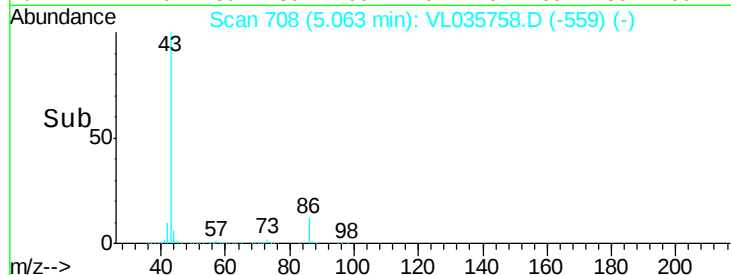
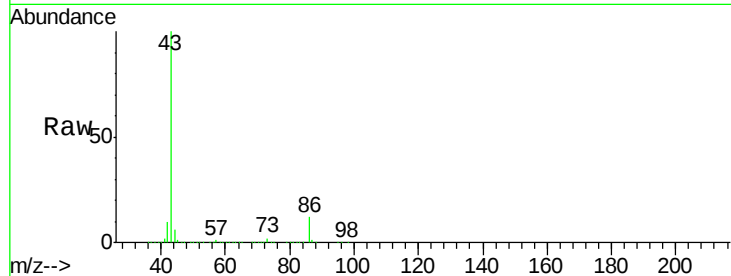
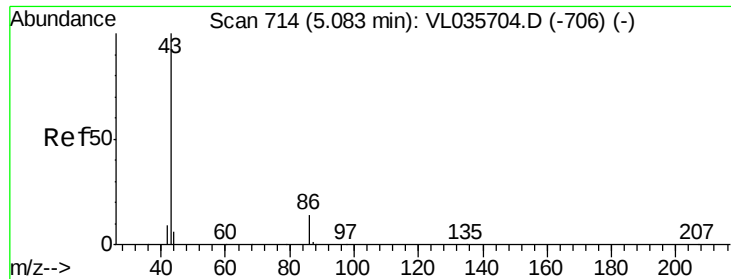
Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Tgt Ion:	96	Resp:	944379
Ion	Ratio	Lower	Upper
96	100		
61	113.4	93.7	140.5
98	62.6	51.2	76.8





#23

Vinyl Acetate

Concen: 11.146 ppbv

RT: 5.06 min Scan# 708

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Tot Ion: 43 Resp: 1682633

Ion Ratio Lower Upper

43 100

86 12.3 9.7 14.5

42 9.6 7.9 11.9

44 5.9 4.8 7.2

Instrument :

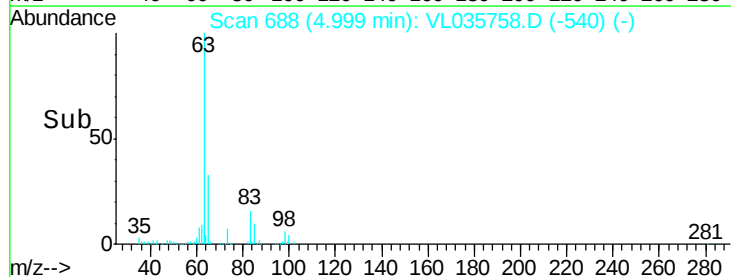
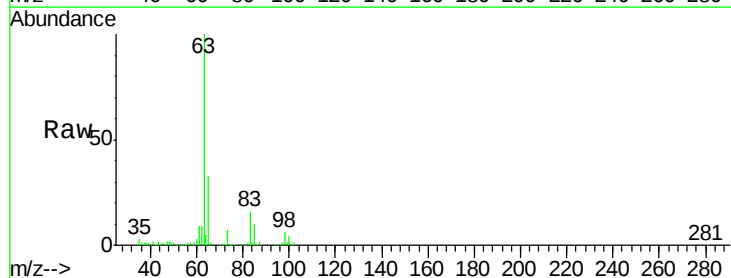
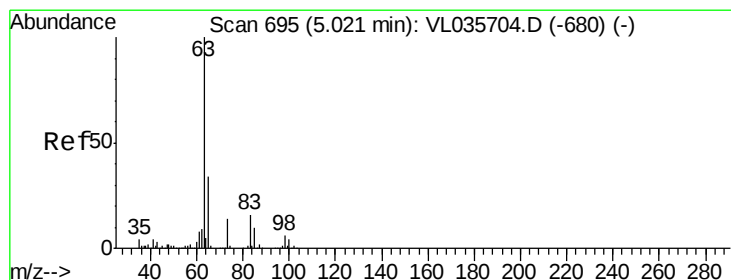
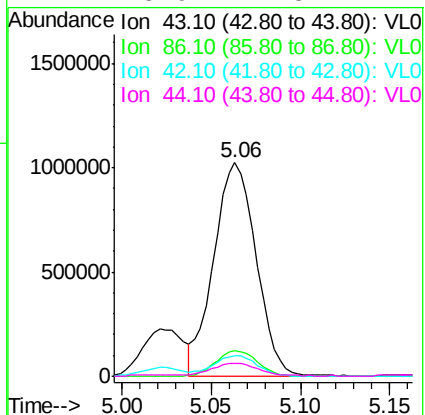
MSVOA_L

ClientSampleId :

VL1012ABS01

Manual Integrations
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#24

1,1-Dichloroethane

Concen: 9.863 ppbv

RT: 5.00 min Scan# 688

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

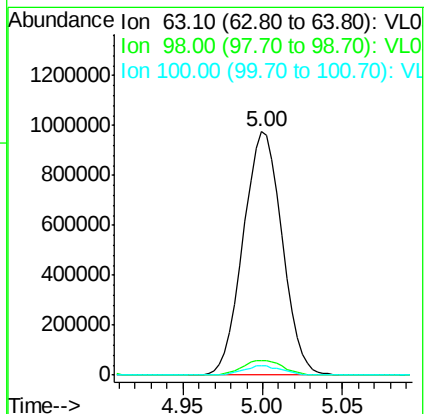
Tgt Ion: 63 Resp: 1621855

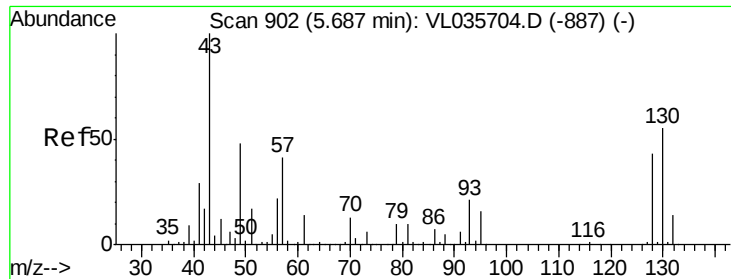
Ion Ratio Lower Upper

63 100

98 5.8 3.3 9.8

100 3.8 2.0 5.8





#25
Ethyl Acetate
Concen: 10.122 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

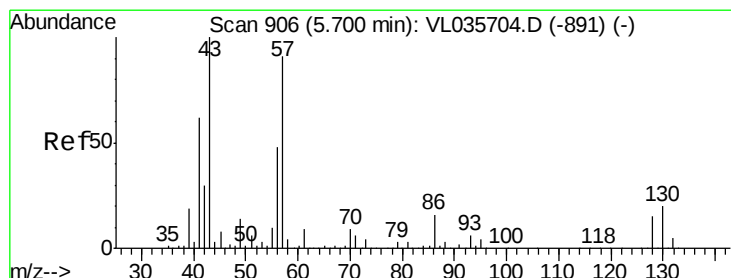
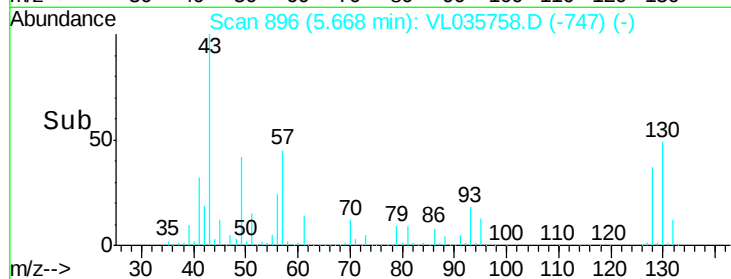
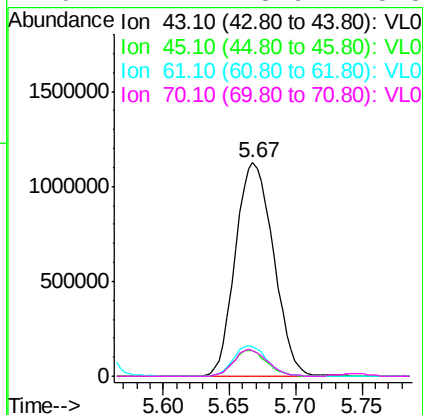
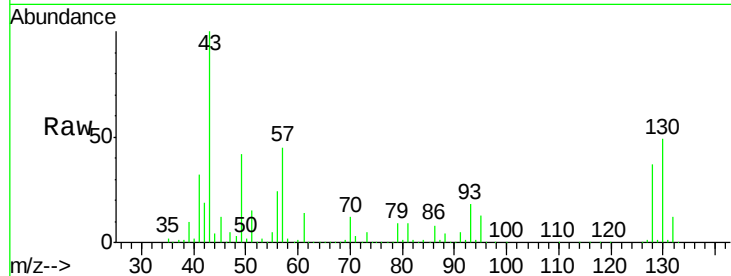
Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

Tot Ion: 43 Resp: 2244872

Ion	Ratio	Lower	Upper
43	100		
45	10.8	8.6	12.8
61	12.9	10.4	15.6
70	11.2	8.9	13.3

Manual Integrations
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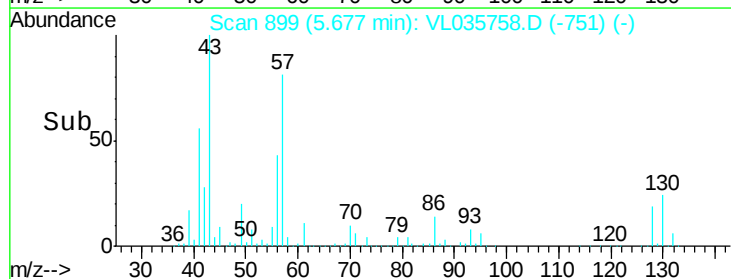
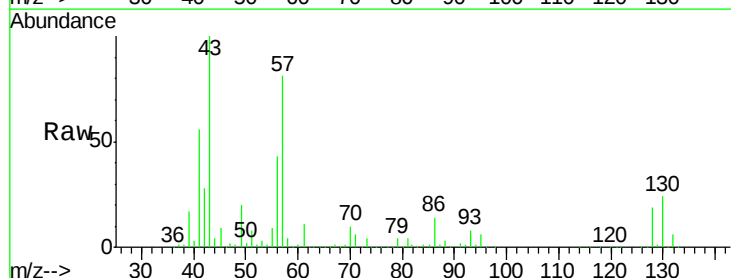
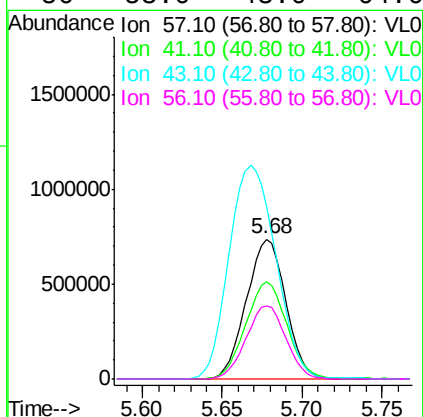
MMDadoda
10/14/2020 2:11:19 PM

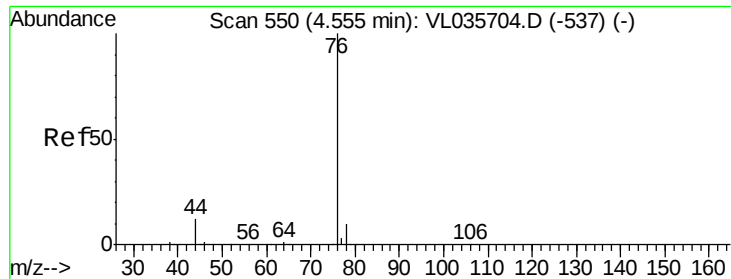


#26
Hexane
Concen: 10.246 ppbv
RT: 5.68 min Scan# 899
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion: 57 Resp: 1245238

Ion	Ratio	Lower	Upper
57	100		
41	73.7	57.9	86.9
43	180.8	143.8	215.6
56	53.0	43.0	64.6





#27

Carbon Disulfide

Concen: 11.100 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion: 76 Resp: 2010795

Ion Ratio Lower Upper

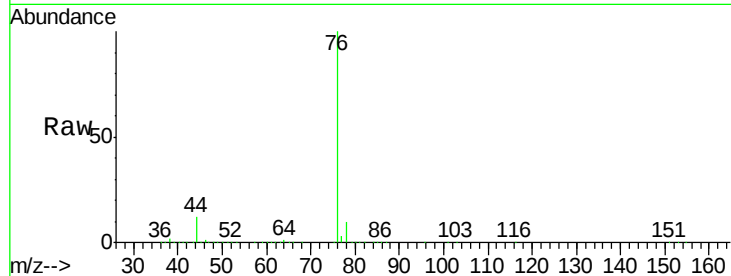
76 100

44 11.8 9.7 14.5

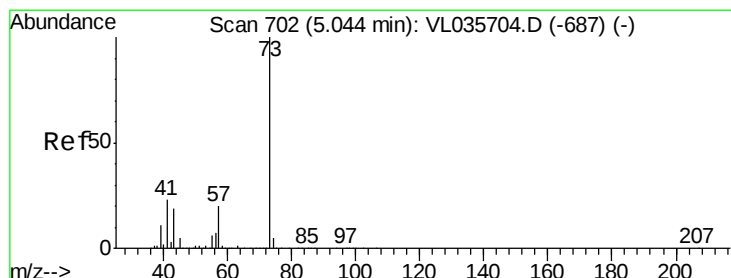
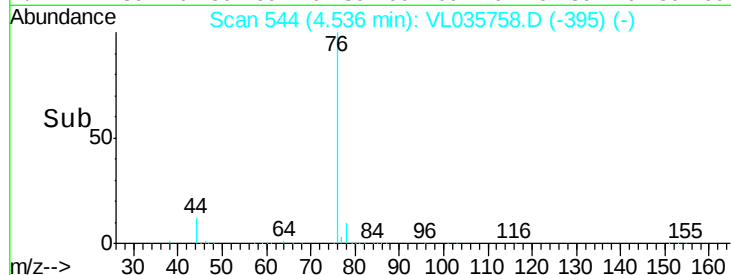
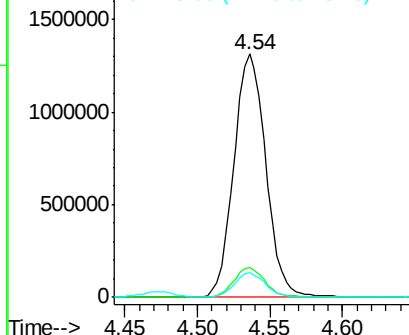
78 10.0 7.8 11.8

Manual Integrations
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Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 11.119 ppbv

RT: 5.02 min Scan# 696

Delta R.T. -0.02 min

Lab File: VL035758.D

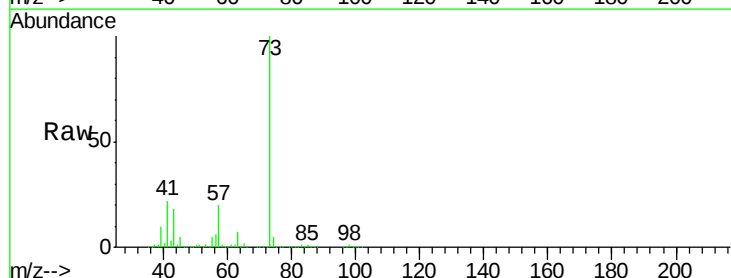
Acq: 12 Oct 2020 12:01

Tgt Ion: 73 Resp: 2142162

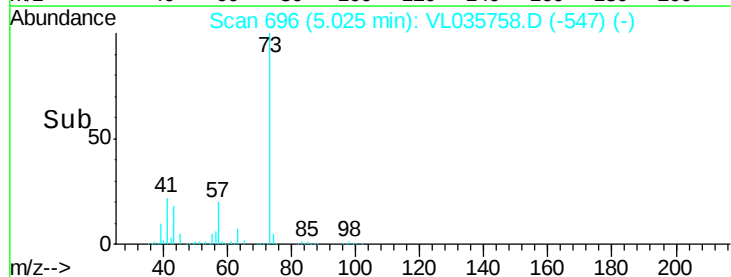
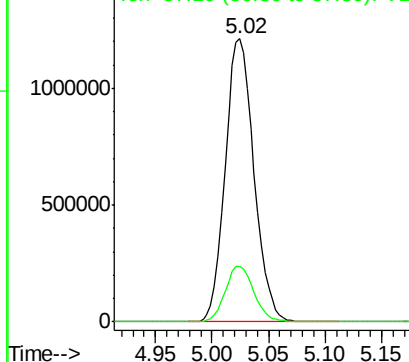
Ion Ratio Lower Upper

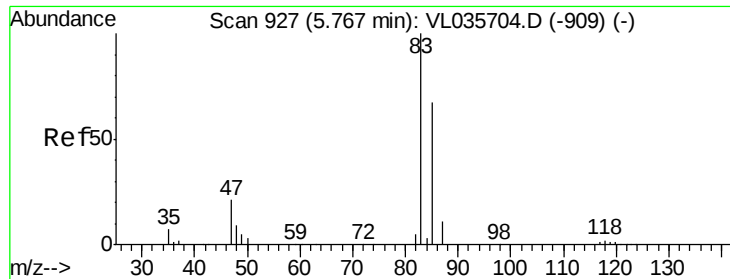
73 100

57 19.8 15.6 23.4



Abundance Ion 73.10 (72.80 to 73.80): VL0
Ion 57.10 (56.80 to 57.80): VL0





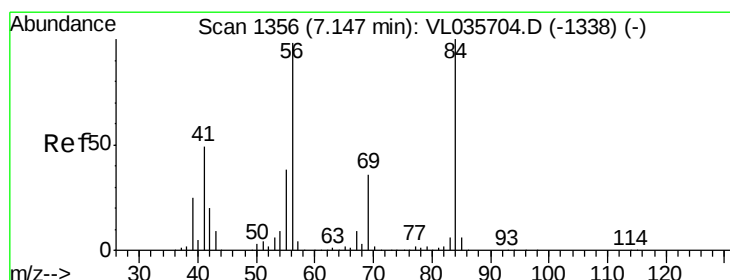
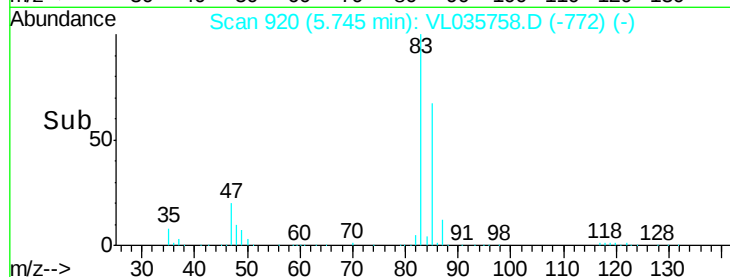
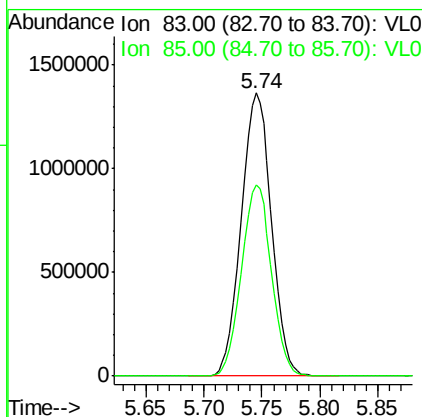
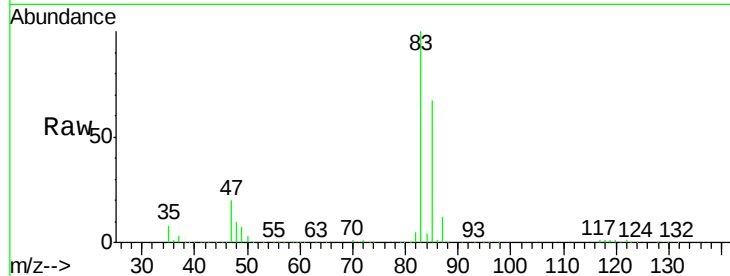
#29
Chloroform
Concen: 10.033 ppbv
RT: 5.74 min Scan# 920
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

Tot Ion: 83 Resp: 2476091
Ion Ratio Lower Upper
83 100
85 67.3 54.0 81.0

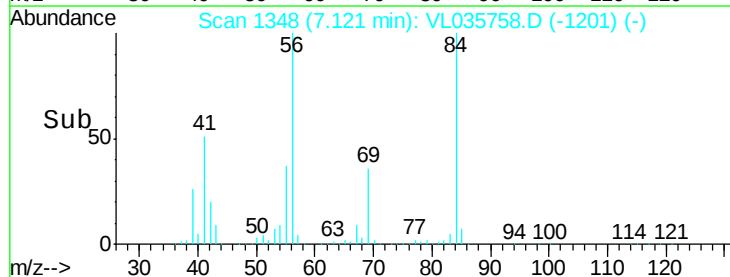
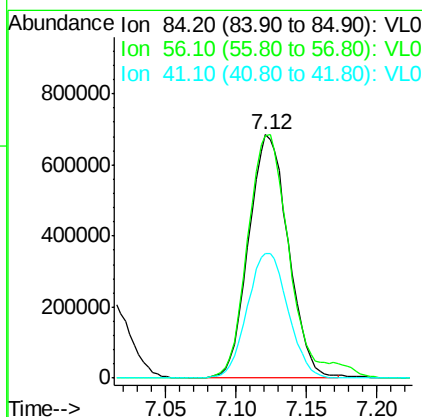
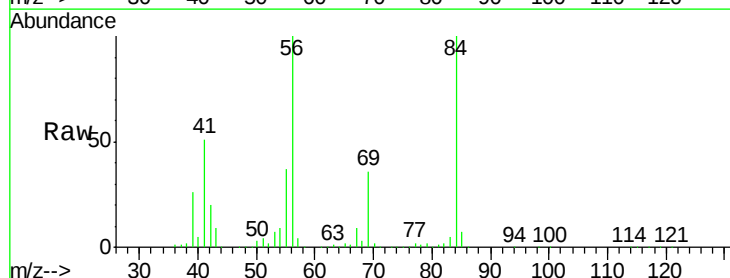
Manual Integrations
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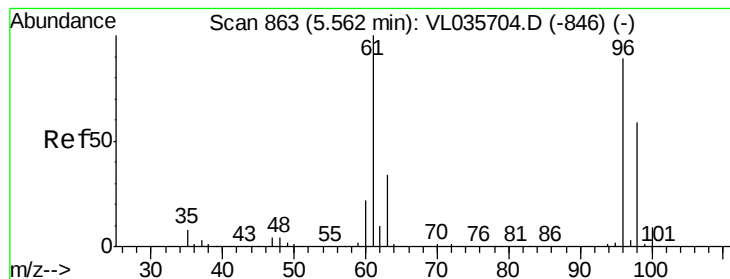
MMDadoda
10/14/2020 2:11:19 PM



#30
Cyclohexane
Concen: 11.214 ppbv
RT: 7.12 min Scan# 1348
Delta R.T. -0.03 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion: 84 Resp: 1344691
Ion Ratio Lower Upper
84 100
56 106.6 84.6 127.0
41 52.8 41.1 61.7





#31

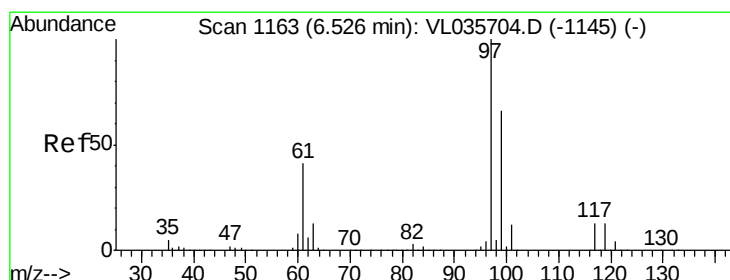
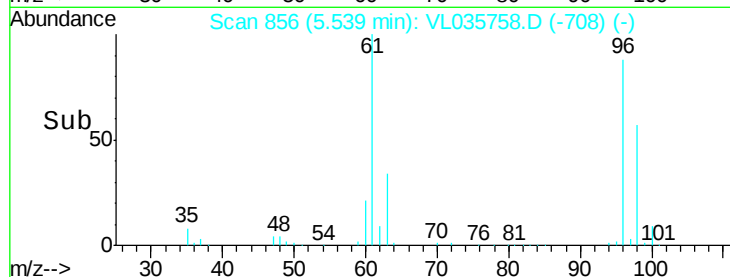
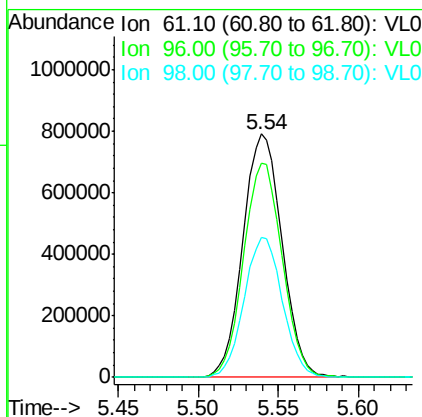
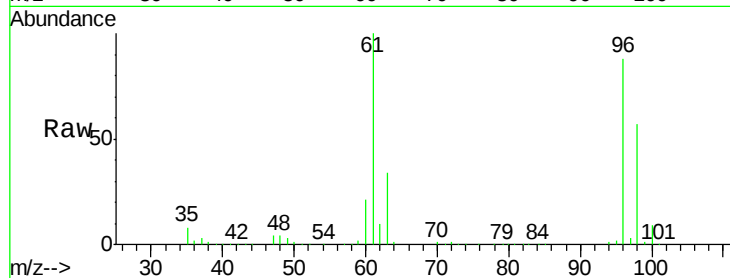
cis-1,2-Dichloroethene
Concen: 11.257 ppbv
RT: 5.54 min Scan# 856
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	88.0	71.4	107.2
98	57.2	47.4	71.2

Manual Integrations
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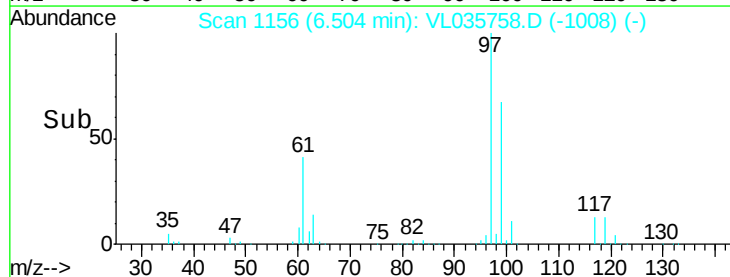
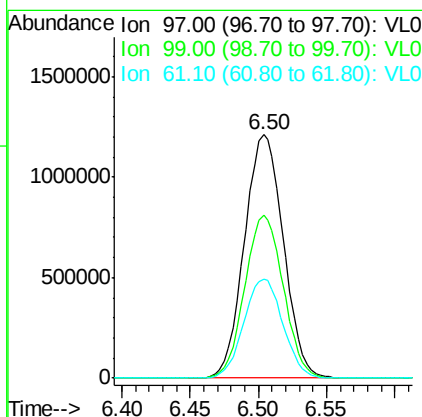
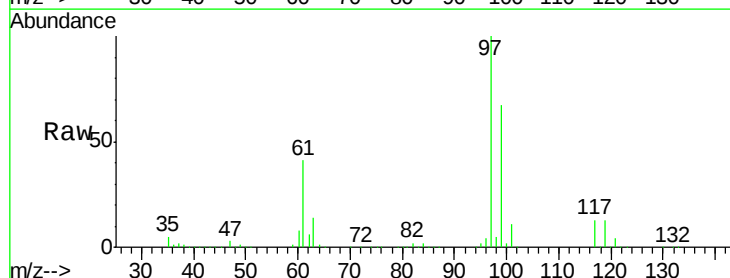
MMDadoda
10/14/2020 2:11:19 PM

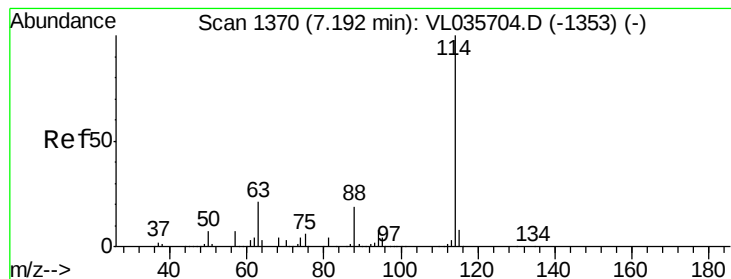


#32

1,1,1-Trichloroethane
Concen: 11.036 ppbv
RT: 6.50 min Scan# 1156
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.3	52.7	79.1
61	40.9	32.7	49.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion:114 Resp: 4422054

Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

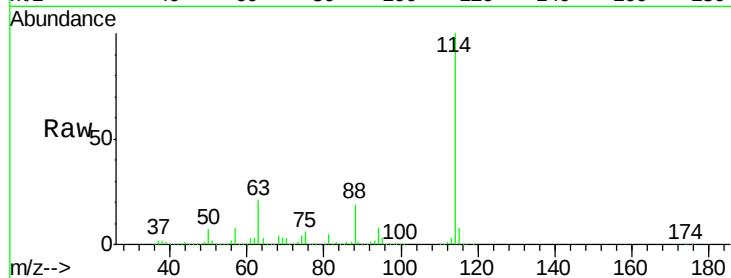
88 17.4 14.1 21.1

Manual Integrations

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MMDadoda

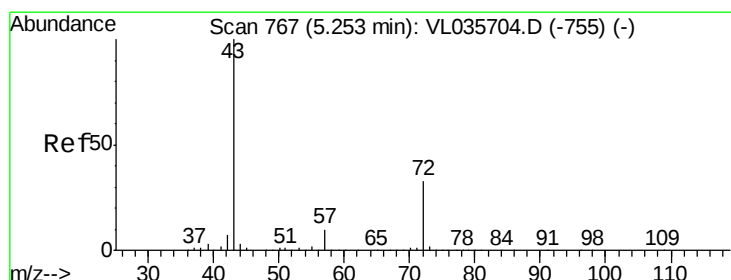
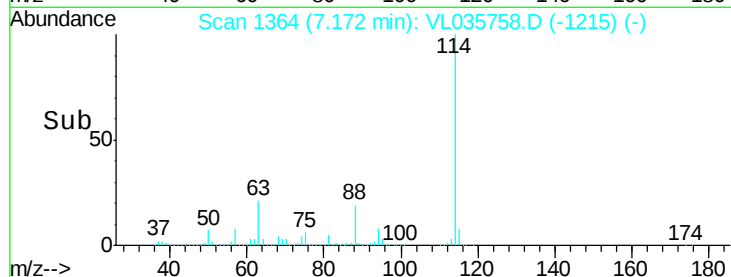
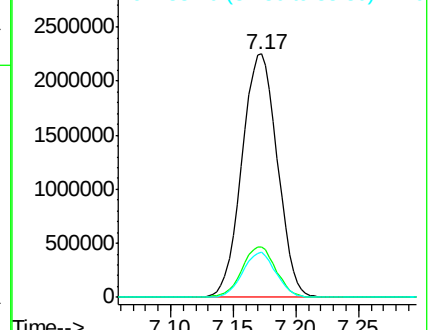
10/14/2020 2:11:19 PM



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 10.517 ppbv

RT: 5.24 min Scan# 762

Delta R.T. -0.02 min

Lab File: VL035758.D

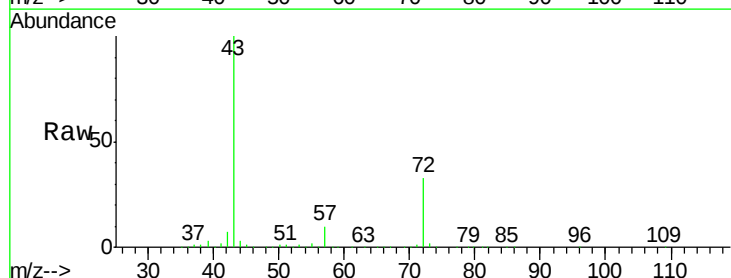
Acq: 12 Oct 2020 12:01

Tgt Ion: 43 Resp: 1538254

Ion Ratio Lower Upper

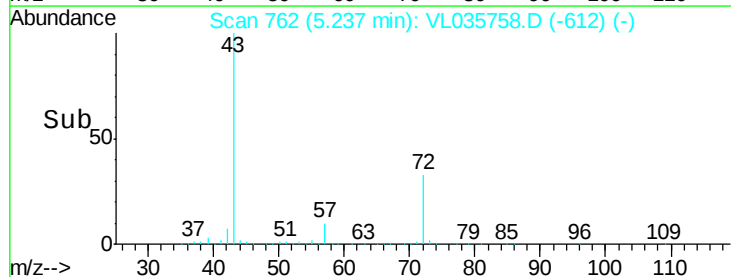
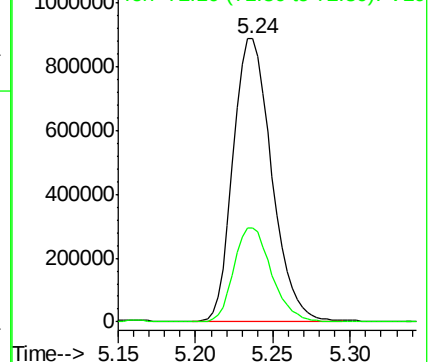
43 100

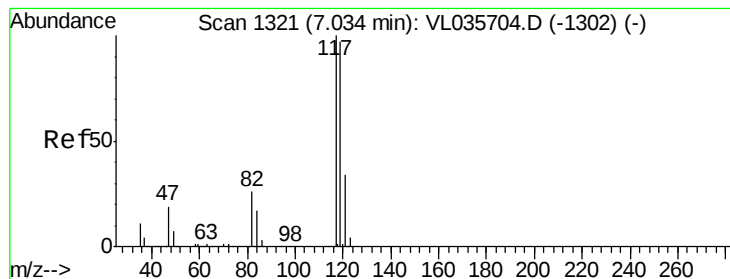
72 32.7 26.1 39.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.720 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion:117 Resp: 2471560

Ion Ratio Lower Upper

117 100

119 95.0 77.7 116.5

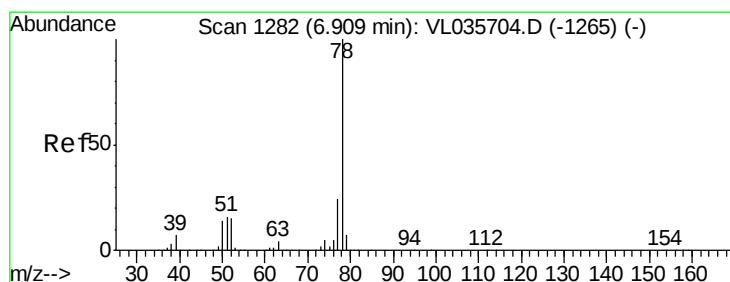
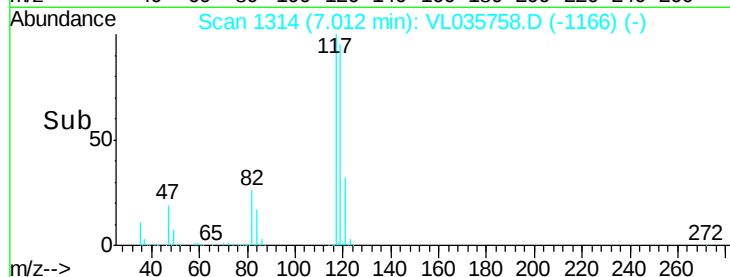
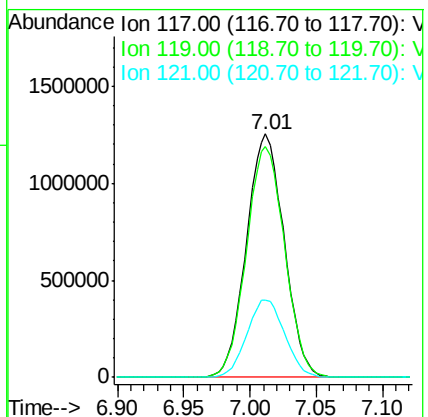
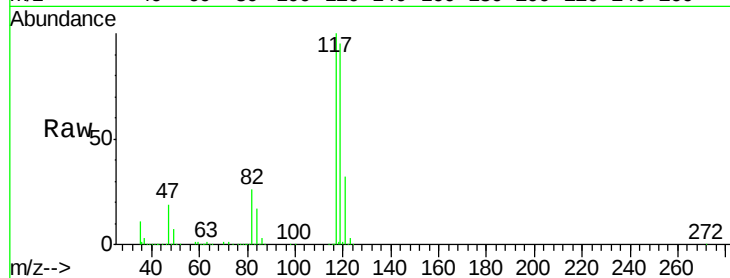
121 31.8 26.9 40.3

Manual Integrations

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#36

Benzene

Concen: 10.781 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

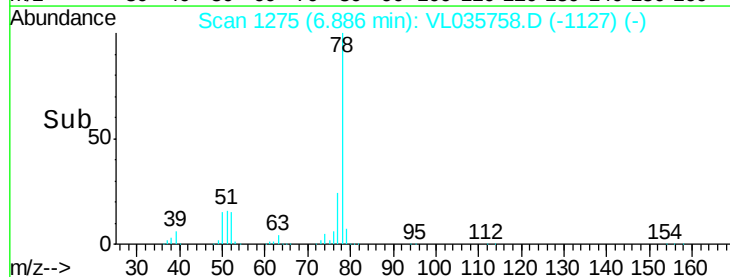
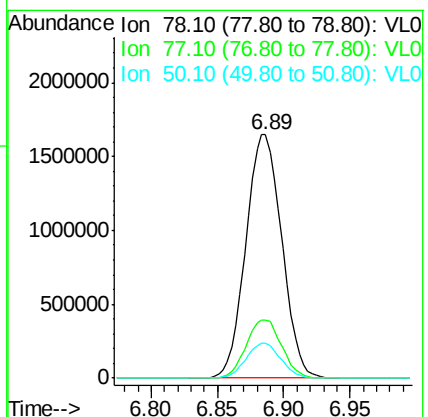
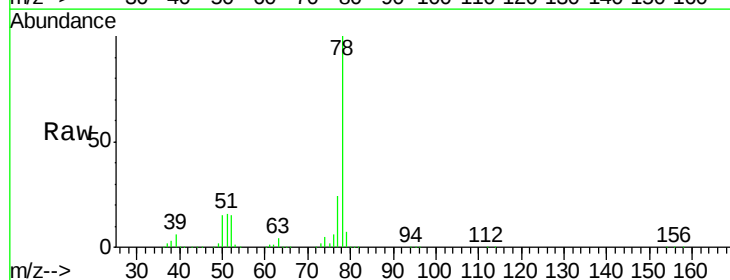
Tgt Ion: 78 Resp: 3106420

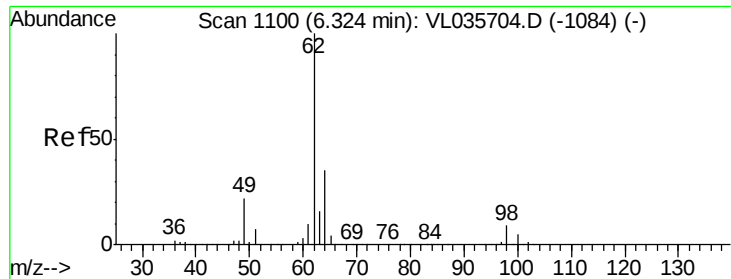
Ion Ratio Lower Upper

78 100

77 24.0 19.3 28.9

50 14.5 11.6 17.4





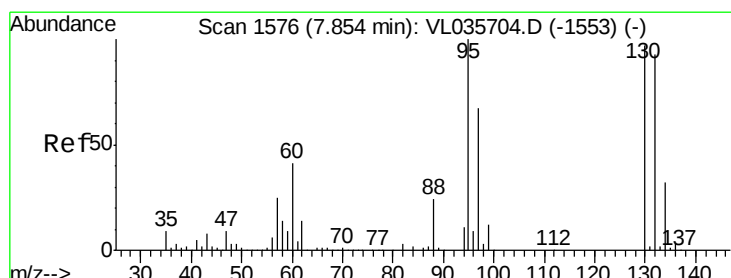
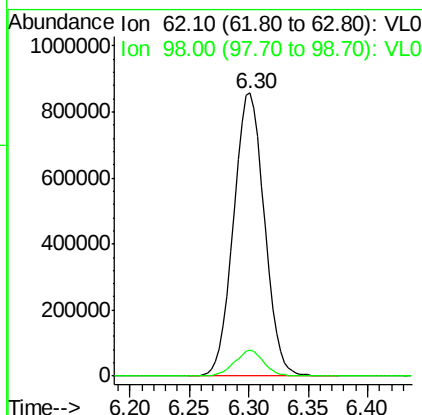
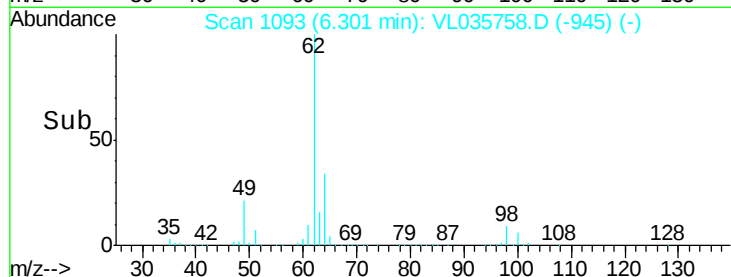
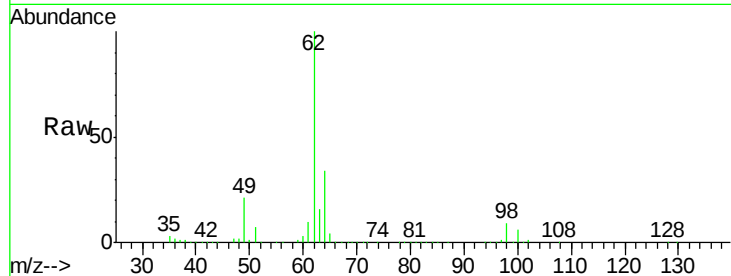
#37
 1,2-Dichloroethane
 Concen: 10.267 ppbv
 RT: 6.30 min Scan# 1093
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Tot Ion: 62 Resp: 1541916
 Ion Ratio Lower Upper
 62 100
 98 8.6 6.9 10.3

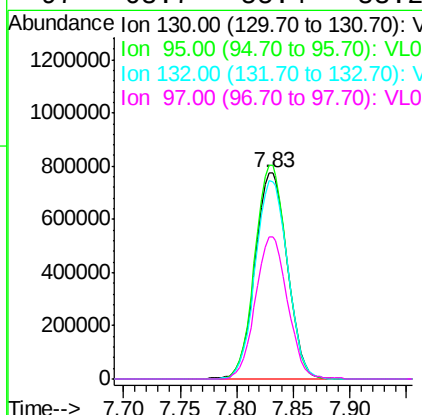
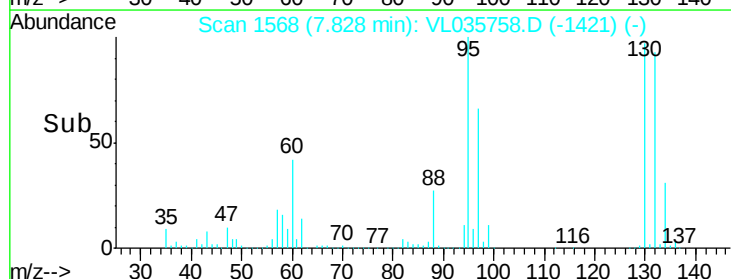
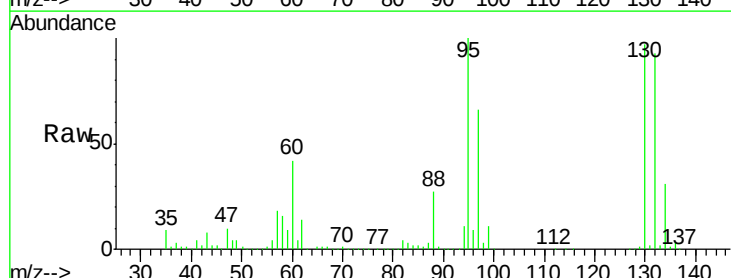
Manual Integrations
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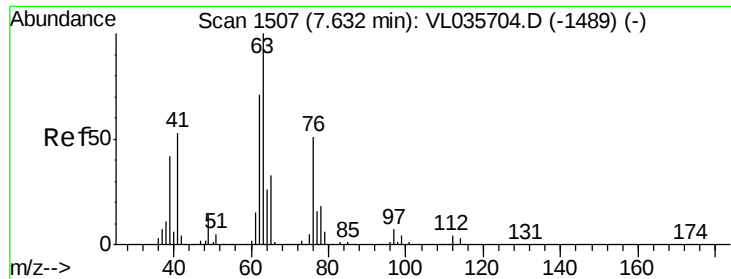
MMDadoda
 10/14/2020 2:11:19 PM



#38
 Trichloroethene
 Concen: 10.713 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.03 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion: 130 Resp: 1539829
 Ion Ratio Lower Upper
 130 100
 95 103.6 82.4 123.6
 132 95.9 76.8 115.2
 97 68.7 55.4 83.2





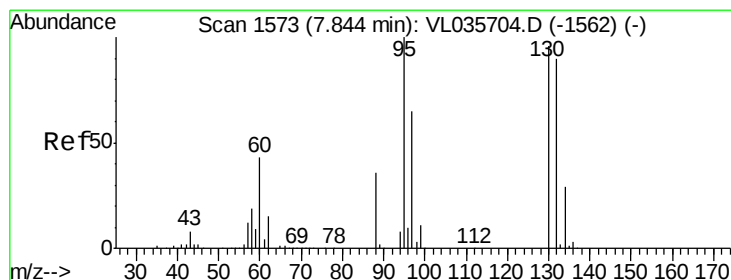
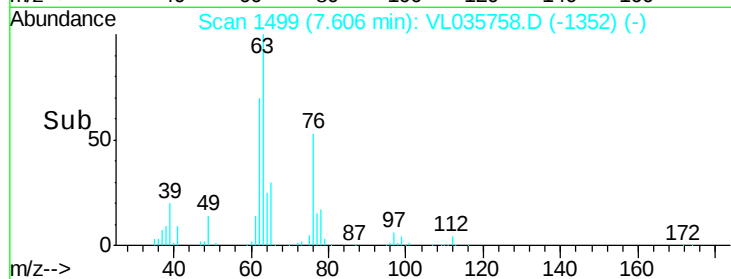
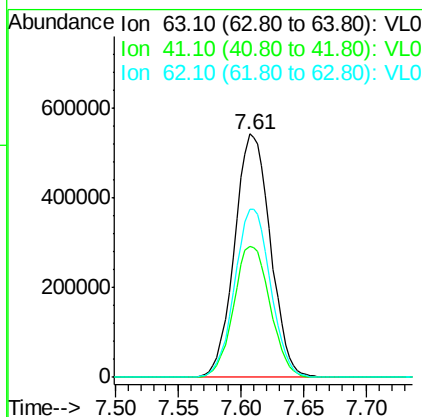
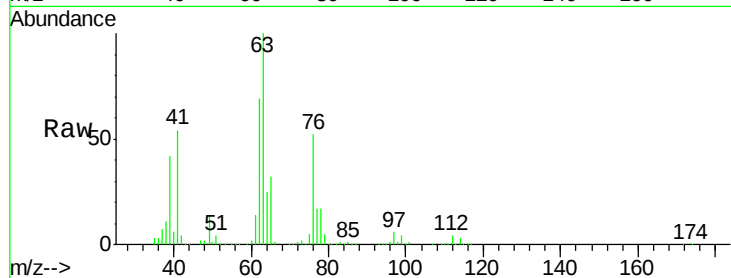
#39
 1,2-Dichloropropane
 Concen: 10.311 ppbv
 RT: 7.61 min Scan# 1499
 Delta R.T. -0.03 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	53.7	42.6	63.8
62	68.8	56.5	84.7

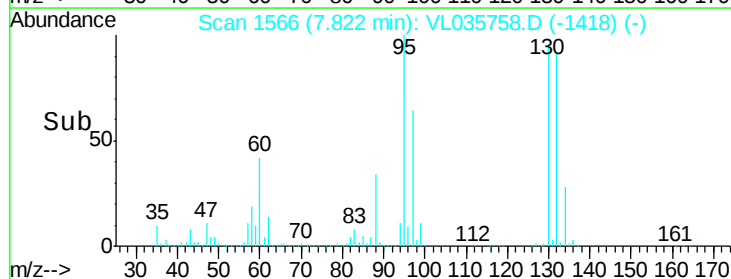
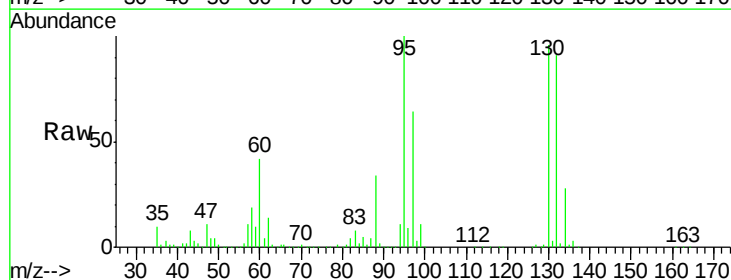
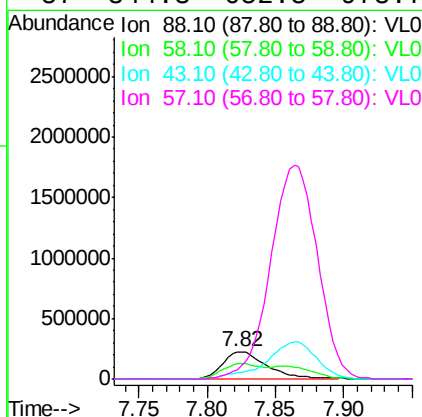
Manual Integrations
 APPROVED

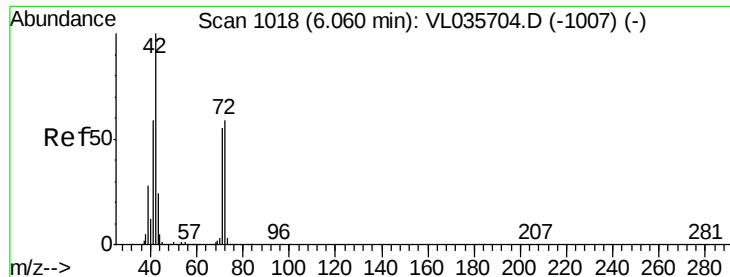
MMDadoda
 10/14/2020 2:11:19 PM



#40
 1,4-Dioxane
 Concen: 10.478 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion	Ratio	Lower	Upper
88	100		
58	97.4	76.2	114.4
43	158.8	123.4	185.2
57	844.3	652.5	978.7





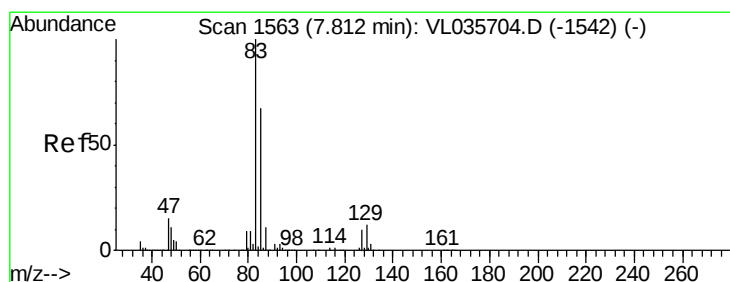
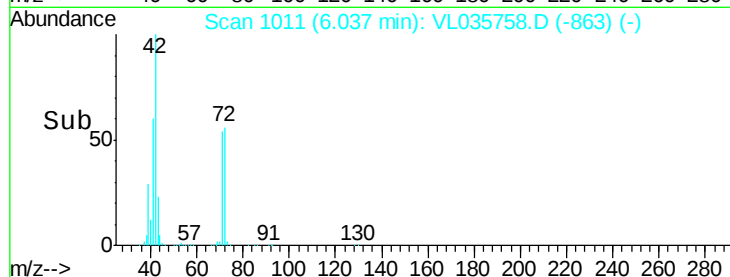
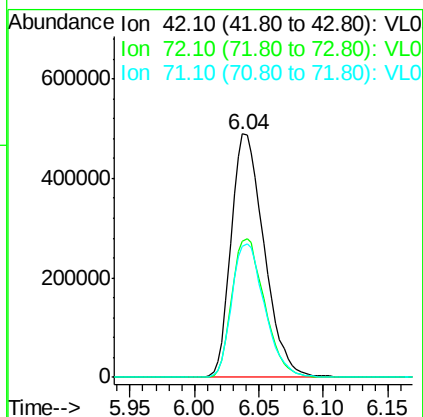
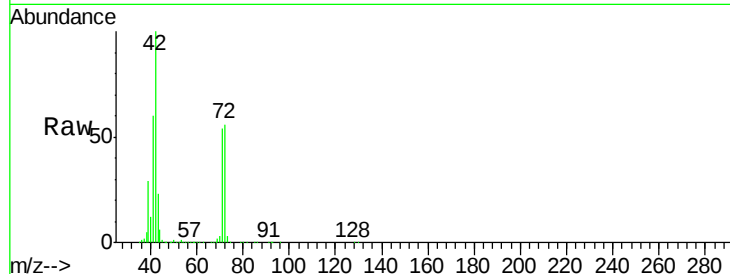
#41
Tetrahydrofuran
Concen: 11.823 ppbv
RT: 6.04 min Scan# 1011
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	56.8	46.2	69.4
71	55.0	44.2	66.4

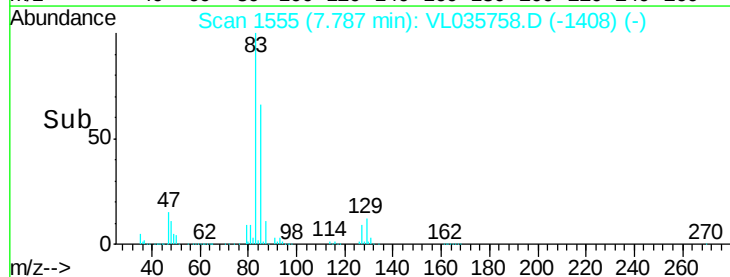
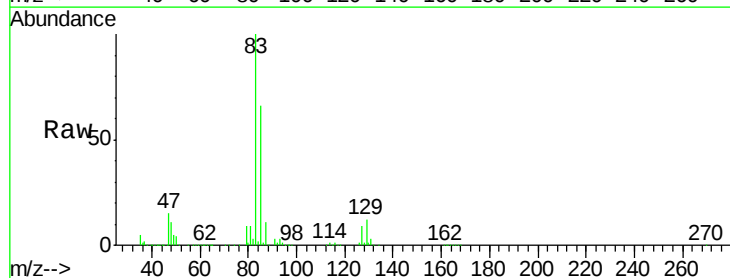
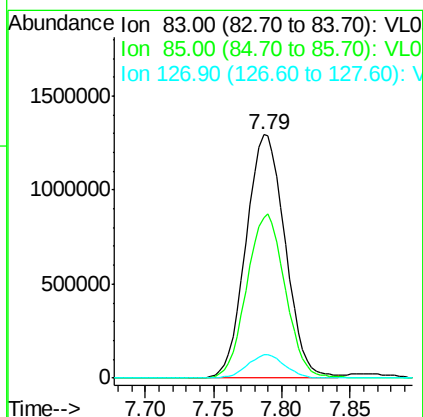
Manual Integrations
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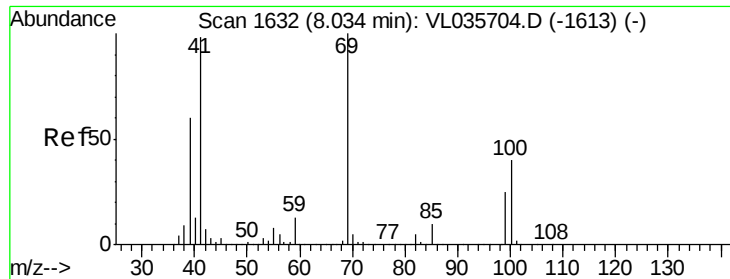
MMDadoda
10/14/2020 2:11:19 PM



#42
Bromodichloromethane
Concen: 10.676 ppbv
RT: 7.79 min Scan# 1555
Delta R.T. -0.03 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	53.4	80.0
127	9.4	7.8	11.6





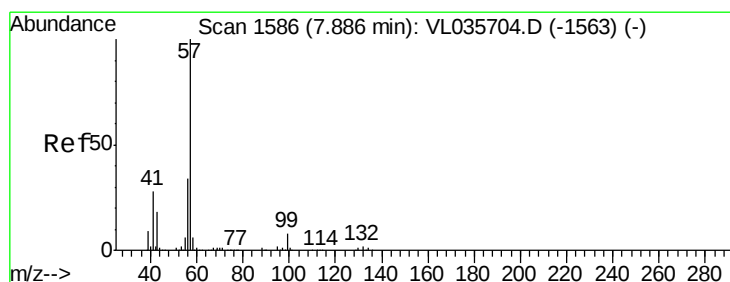
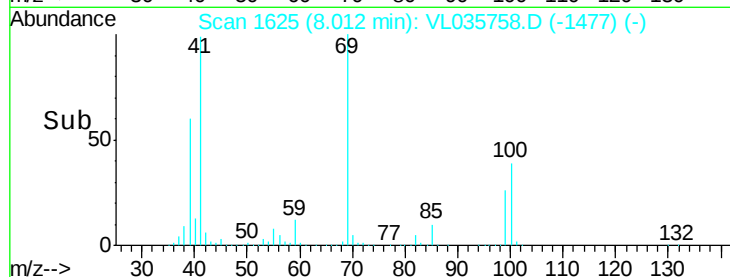
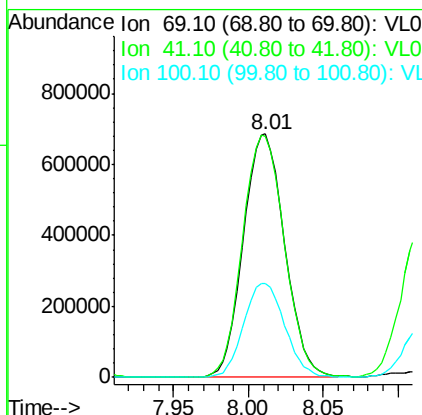
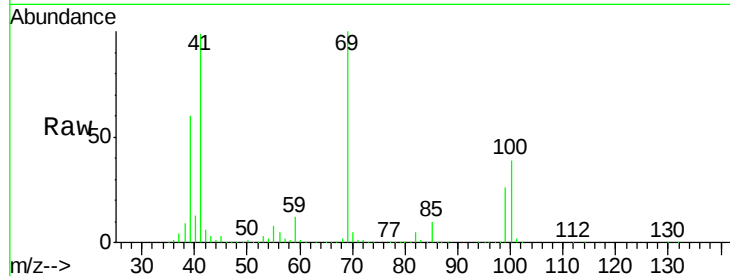
#43
Methvl Methacrvlate
Concen: 11.504 ppbv
RT: 8.01 min Scan# 1625
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

Tot Ion: 69 Resp: 1318312
Ion Ratio Lower Upper
69 100
41 101.2 79.8 119.6
100 38.5 30.6 46.0

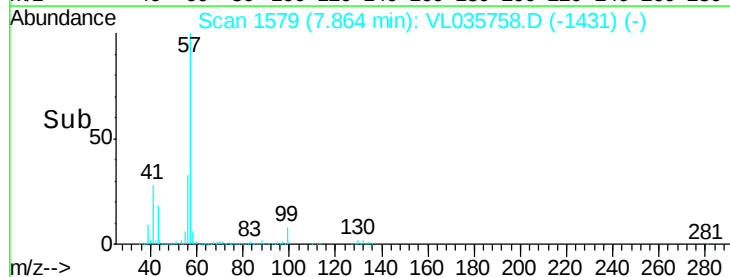
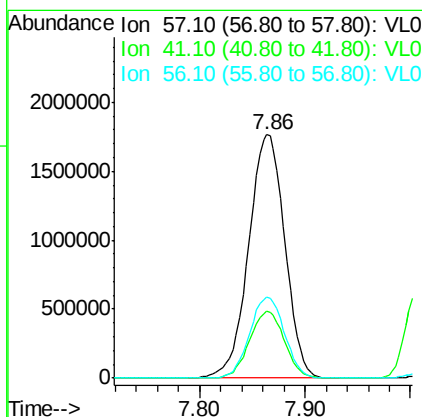
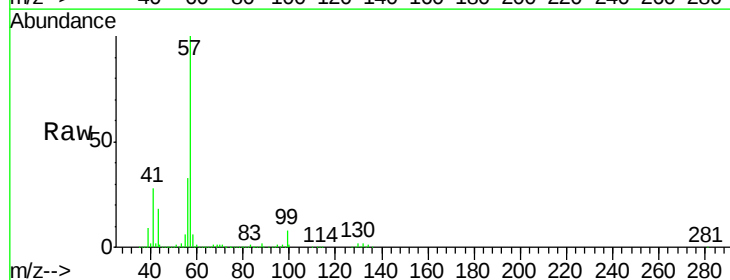
Manual Integrations
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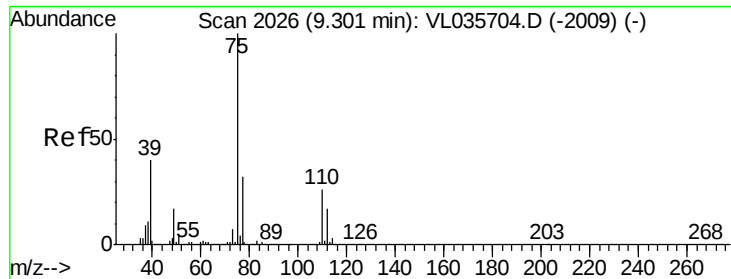
MMDadoda
10/14/2020 2:11:19 PM



#44
2,2,4-Trimethylpentane
Concen: 10.202 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion: 57 Resp: 4218390
Ion Ratio Lower Upper
57 100
41 26.5 21.2 31.8
56 32.0 25.8 38.8





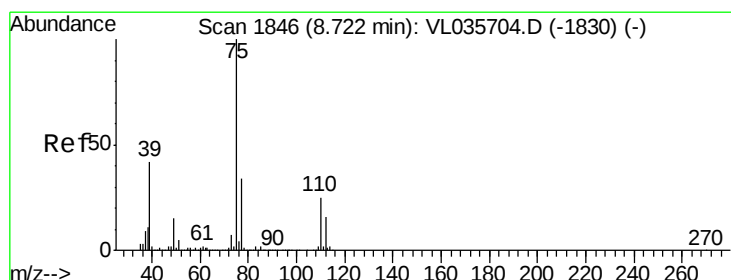
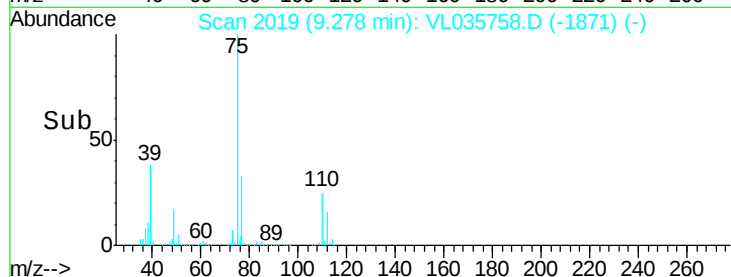
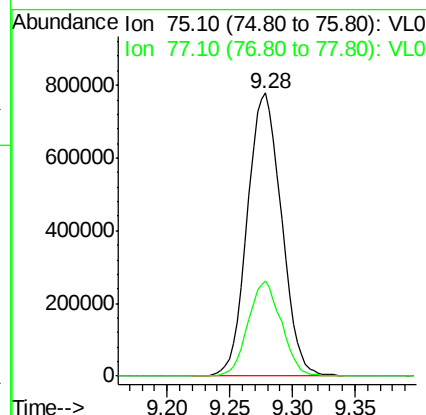
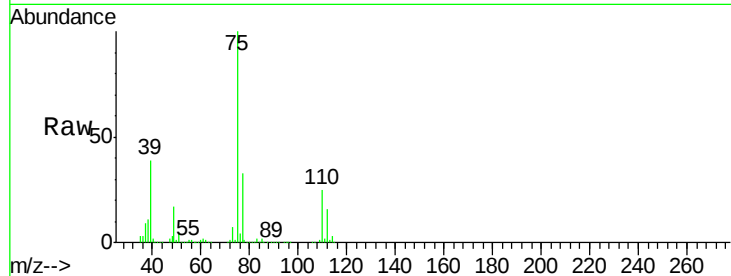
#45
 t-1,3-Dichloropropene
 Concen: 12.758 ppbv
 RT: 9.28 min Scan# 2019
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Tot Ion: 75 Resp: 1476139
 Ion Ratio Lower Upper
 75 100
 77 33.4 25.9 38.9

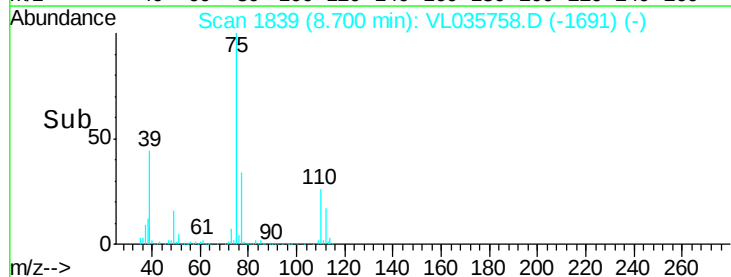
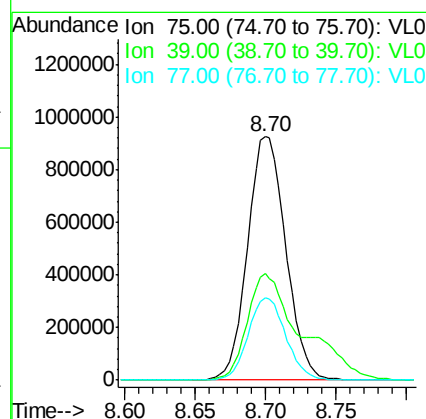
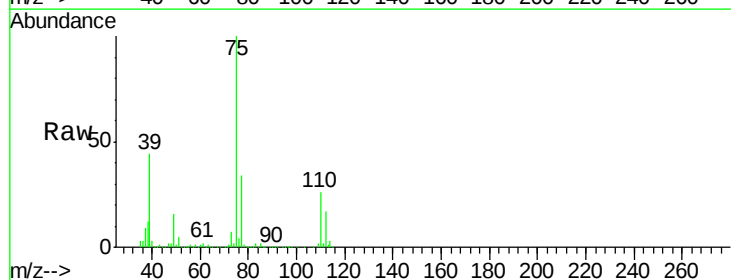
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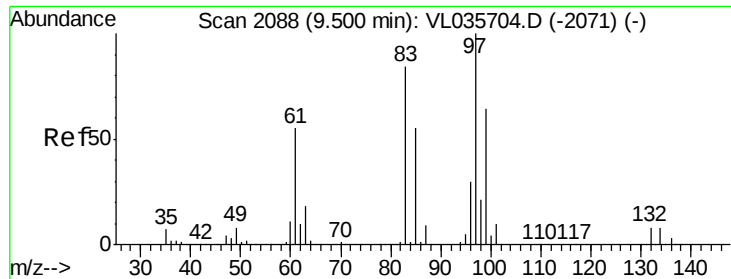
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#46
 cis-1,3-Dichloropropene
 Concen: 12.329 ppbv
 RT: 8.70 min Scan# 1839
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion: 75 Resp: 1758399
 Ion Ratio Lower Upper
 75 100
 39 43.9 33.9 50.9
 77 33.9 27.4 41.0





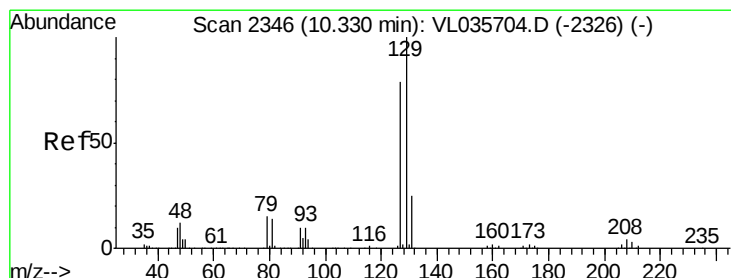
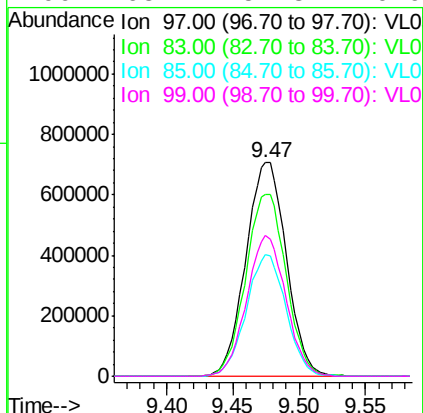
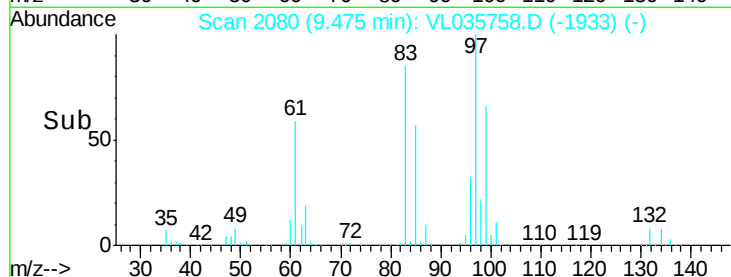
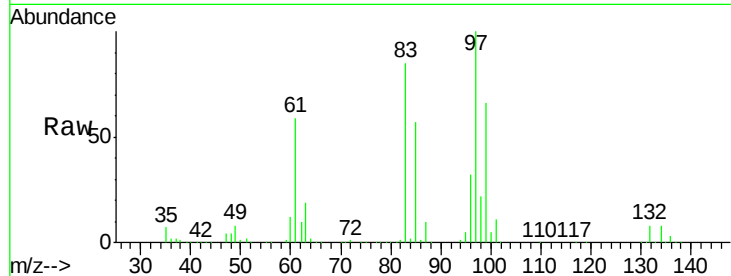
#47
 1,1,2-Trichloroethane
 Concen: 10.079 ppbv
 RT: 9.47 min Scan# 2080
 Delta R.T. -0.03 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Tot Ion:	97	Resp:	1507802
Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.1	100.7
85	57.2	43.9	65.9
99	65.7	51.3	76.9

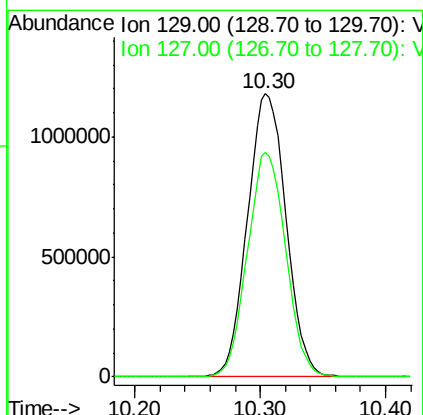
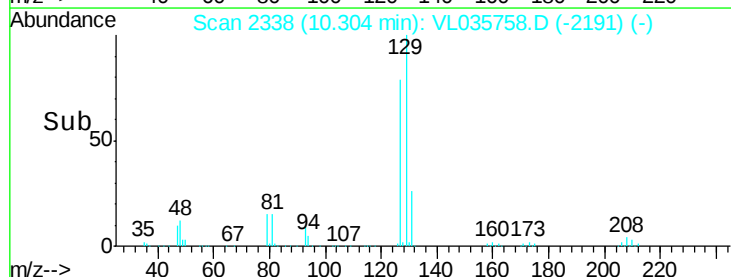
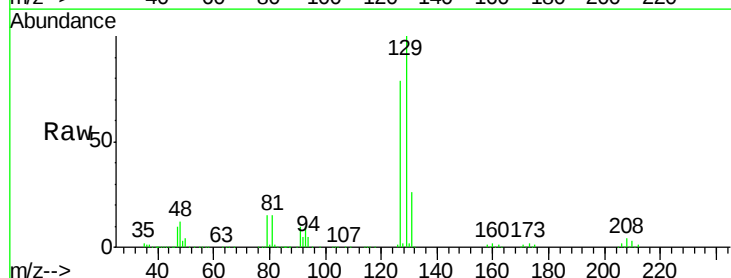
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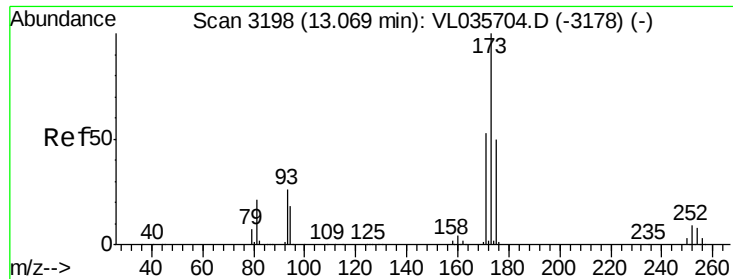
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#48
 Dibromochloromethane
 Concen: 11.110 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. -0.03 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion:	129	Resp:	2529548
Ion	Ratio	Lower	Upper
129	100		
127	78.5	39.4	118.1





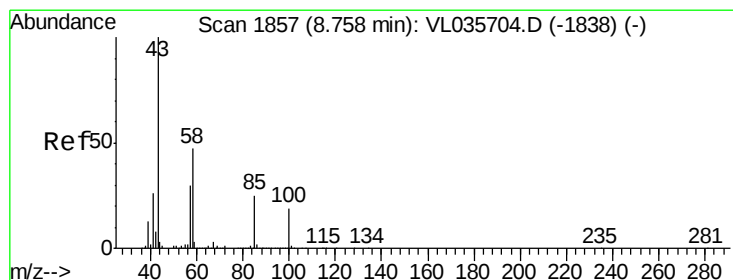
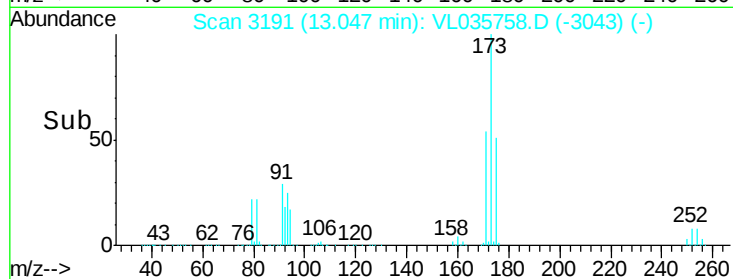
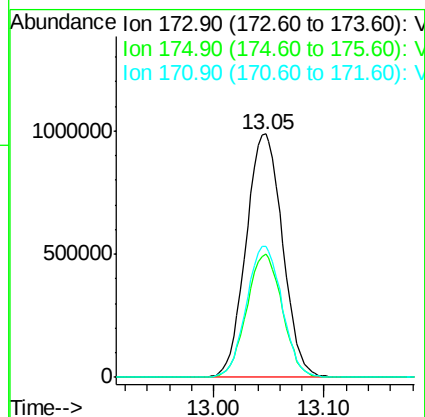
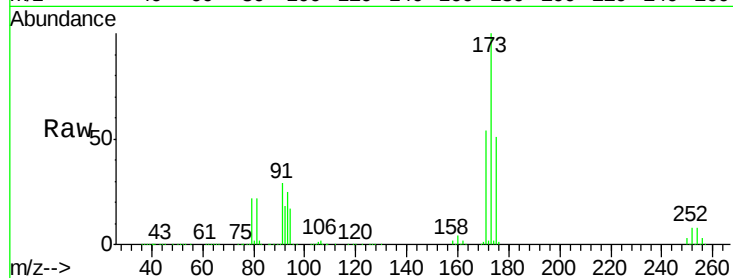
#49
Bromoform
Concen: 11.733 ppbv
RT: 13.05 min Scan# 3191
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

Tot Ion:173 Resp: 2266694
Ion Ratio Lower Upper
173 100
175 49.8 39.8 59.6
171 53.0 42.8 64.2

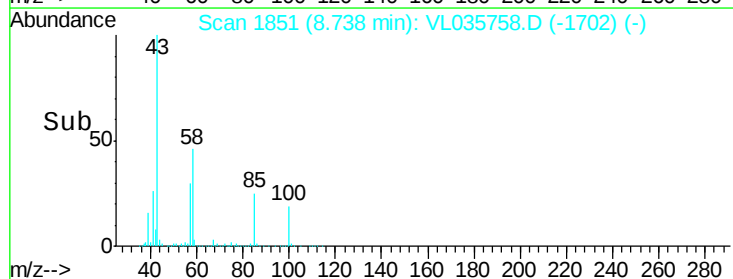
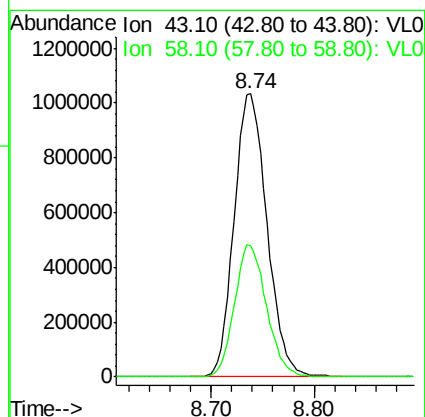
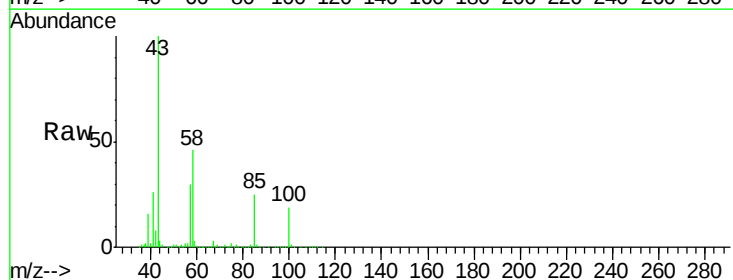
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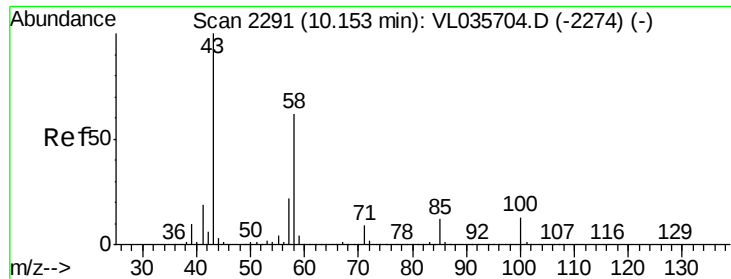
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#50
4-Methyl-2-Pentanone
Concen: 10.756 ppbv
RT: 8.74 min Scan# 1851
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion: 43 Resp: 2297873
Ion Ratio Lower Upper
43 100
58 45.5 36.6 54.8





#51

2-Hexanone

Concen: 11.216 ppbv

RT: 10.13 min Scan# 2285

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion: 43 Resp: 1930505

Ion Ratio Lower Upper

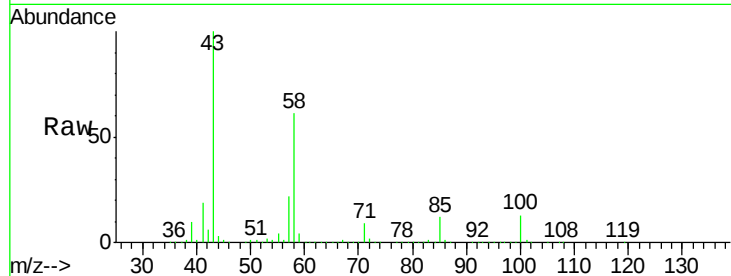
43 100

58 60.4 48.7 73.1

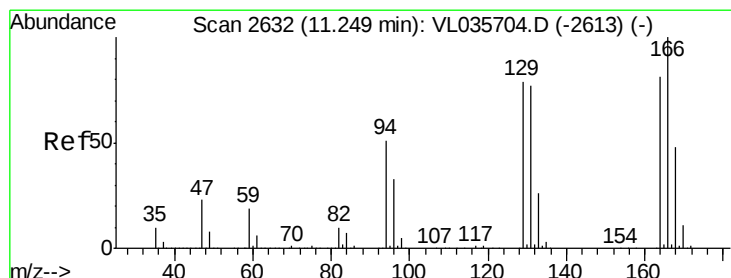
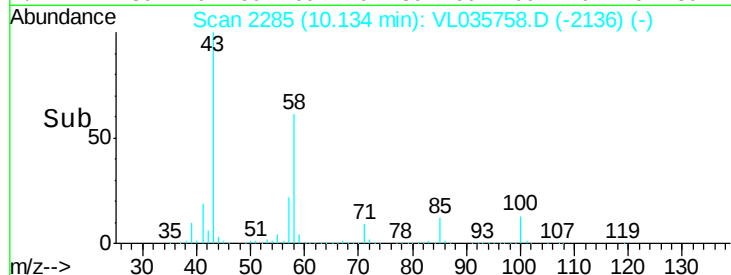
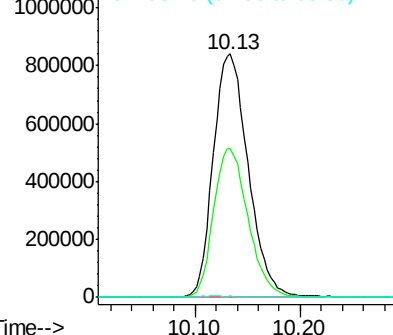
98 0.8 0.7 1.1

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Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0
Ion 98.20 (97.90 to 98.90): VL0



#52

Tetrachloroethene

Concen: 10.437 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. -0.03 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Tgt Ion:164 Resp: 1446191

Ion Ratio Lower Upper

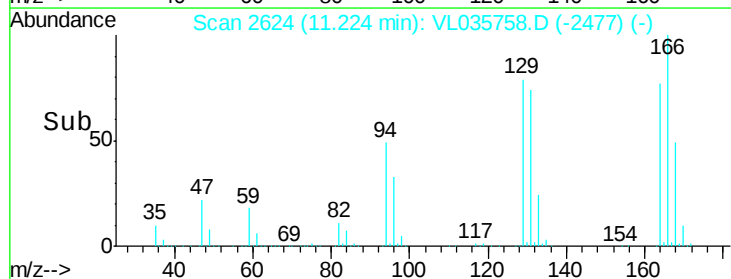
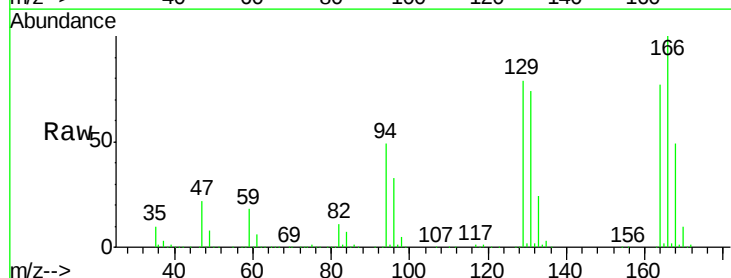
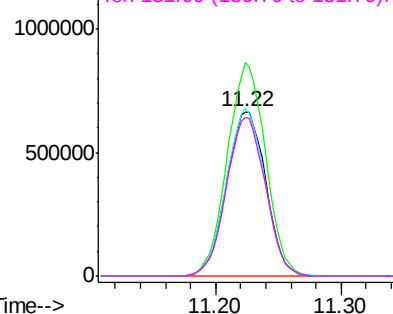
164 100

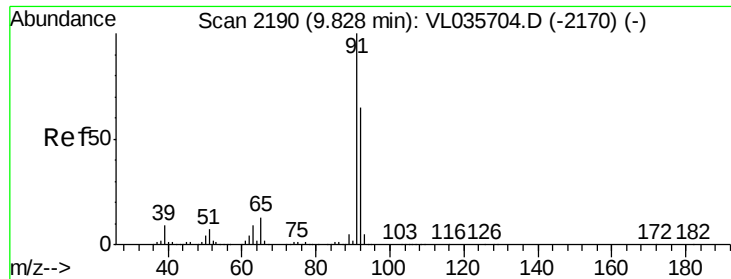
166 130.1 98.7 148.1

129 102.3 78.4 117.6

131 96.5 76.2 114.2

Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V





#53

Toluene

Concen: 11.410 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion: 91 Resp: 3876864

Ion Ratio Lower Upper

91 100

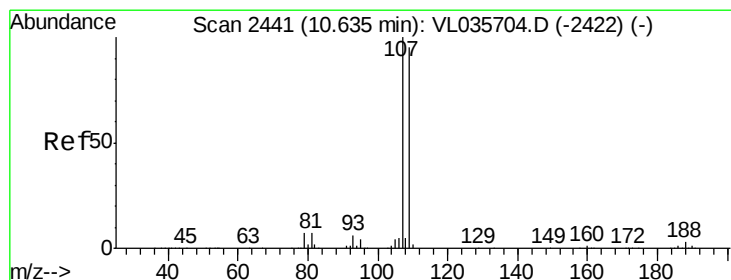
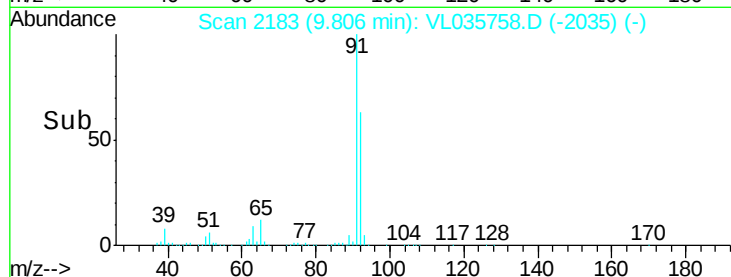
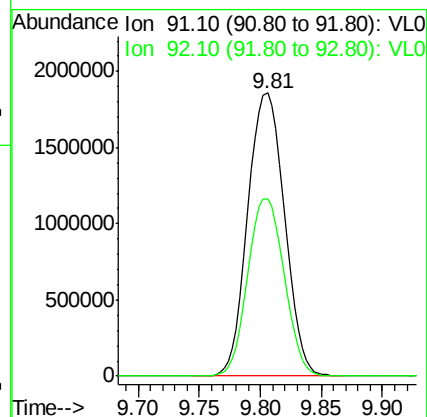
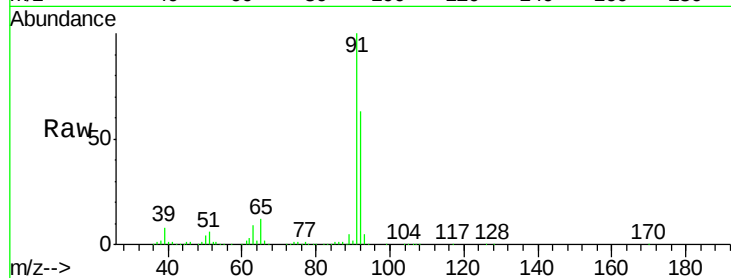
92 62.3 50.0 75.0

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#54

1,2-Dibromoethane

Concen: 10.499 ppbv

RT: 10.61 min Scan# 2434

Delta R.T. -0.02 min

Lab File: VL035758.D

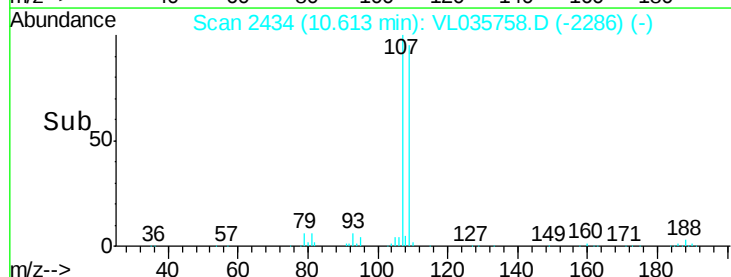
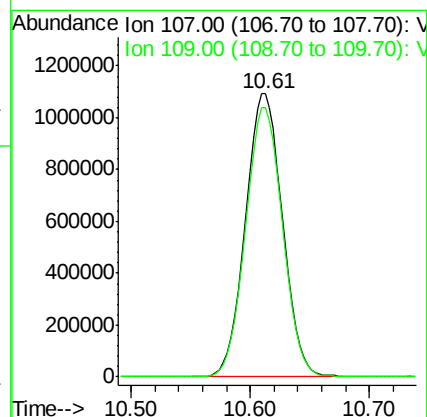
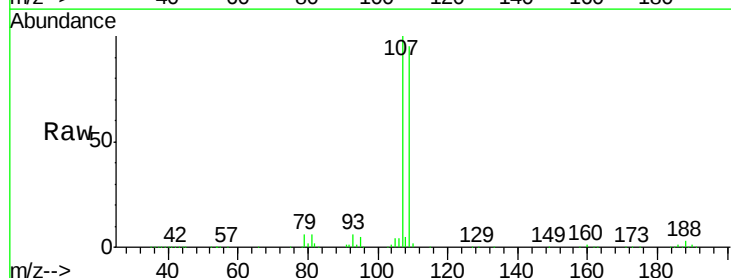
Acq: 12 Oct 2020 12:01

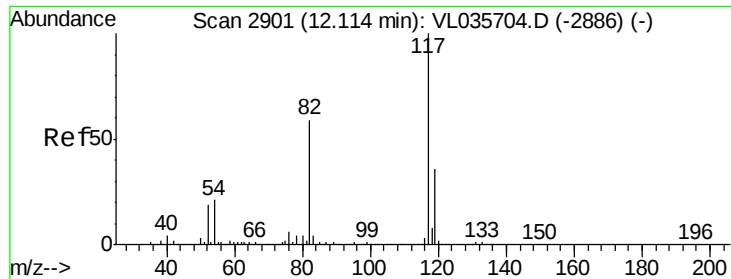
Tgt Ion: 107 Resp: 2351829

Ion Ratio Lower Upper

107 100

109 95.3 76.0 114.0





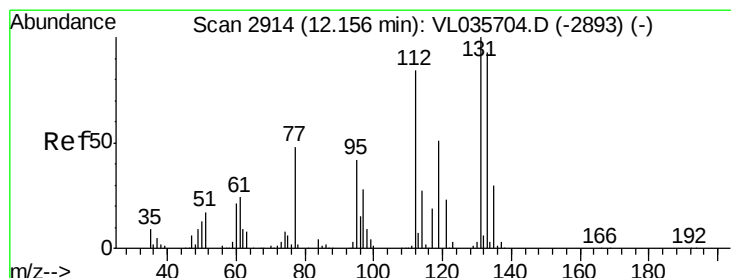
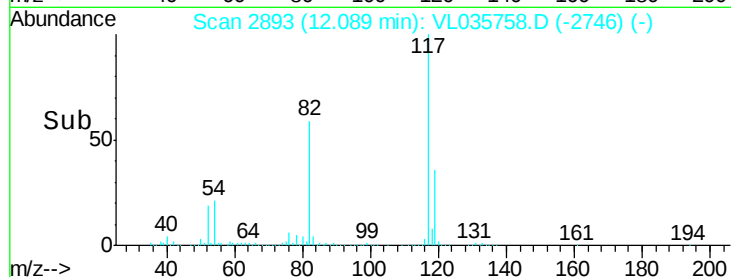
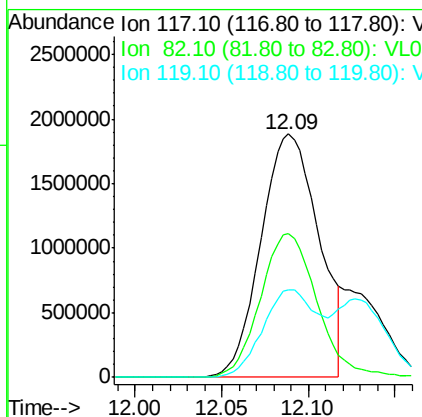
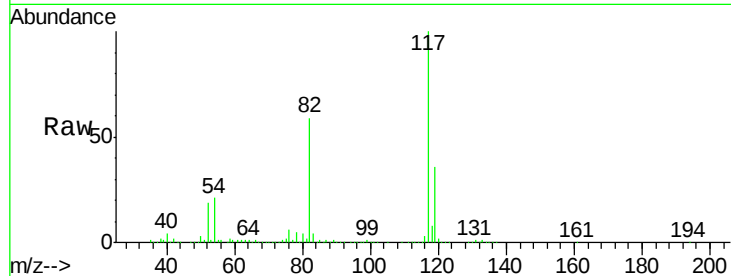
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.09 min Scan# 2893
Delta R.T. -0.03 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

Tot Ion:117 Resp: 4395783
Ion Ratio Lower Upper
117 100
82 57.9 46.1 69.1
119 36.6 28.0 42.0

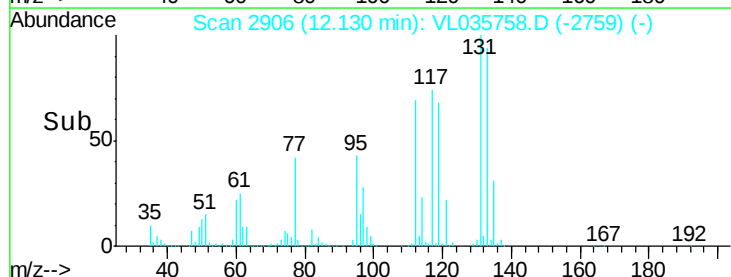
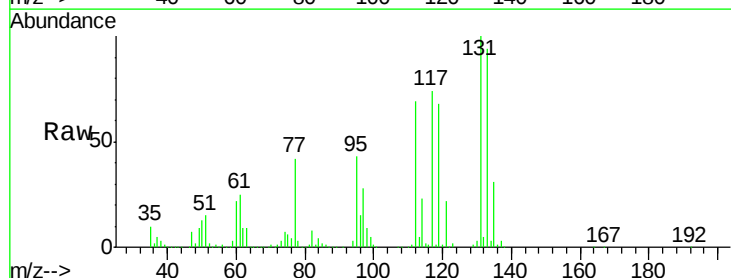
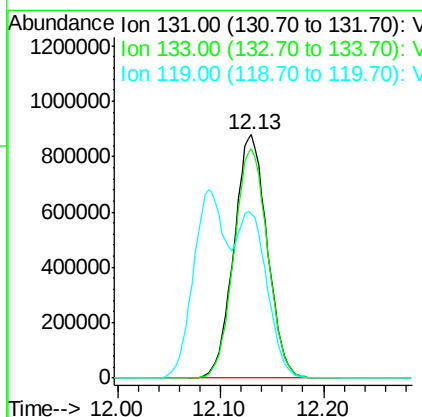
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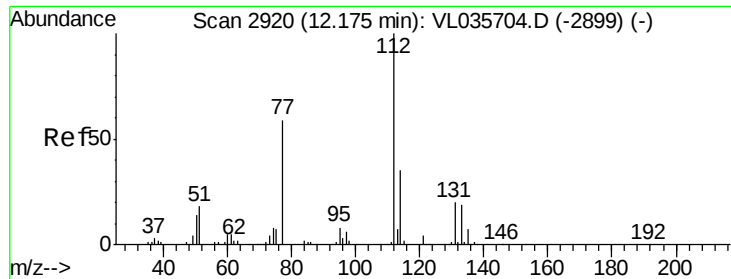
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#56
1,1,1,2-Tetrachloroethane
Concen: 10.693 ppbv
RT: 12.13 min Scan# 2906
Delta R.T. -0.03 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion:131 Resp: 1970917
Ion Ratio Lower Upper
131 100
133 95.2 76.2 114.4
119 57.8 52.4 78.6





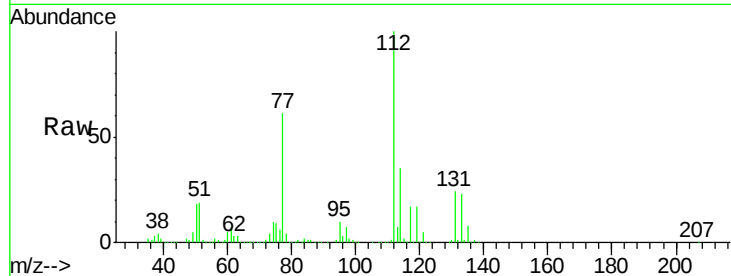
#57
Chlorobenzene
Concen: 9.787 ppbv
RT: 12.15 min Scan# 2912
Delta R.T. -0.03 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

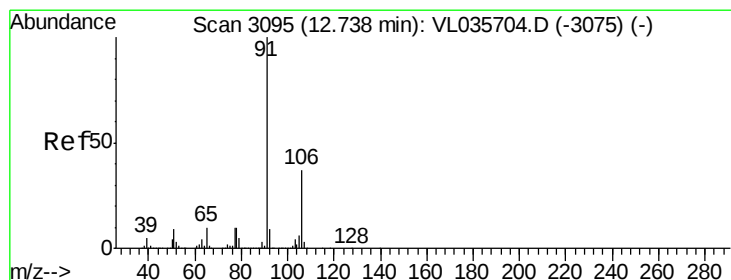
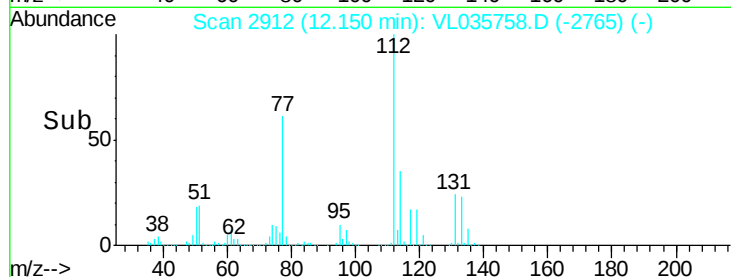
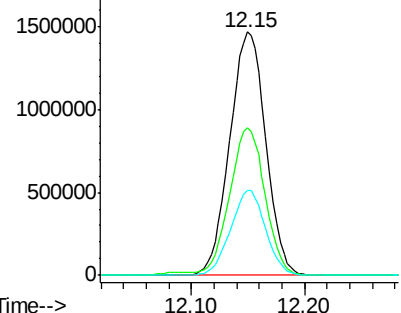
Tot Ion	Ratio	Lower	Upper
112	100		
77	60.6	48.2	72.2
114	35.1	31.9	39.1

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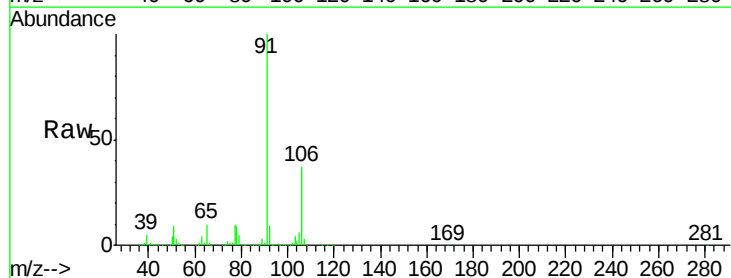


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

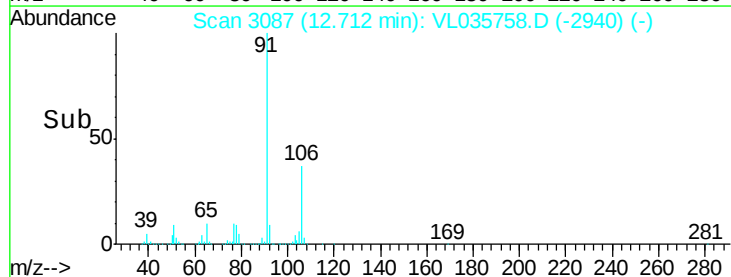
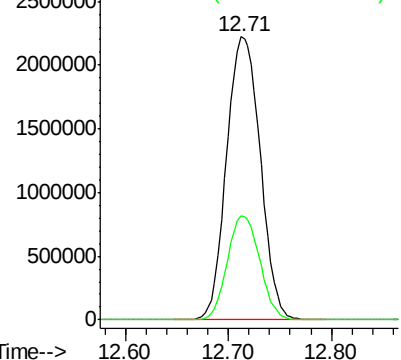


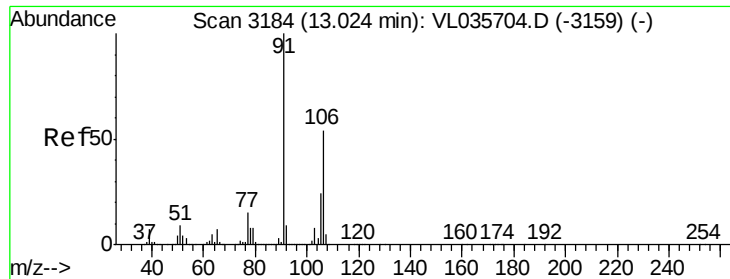
#58
Ethyl Benzene
Concen: 11.450 ppbv
RT: 12.71 min Scan# 3087
Delta R.T. -0.03 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.7	29.7	44.5



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





#59

m/p-Xylene

Concen: 22.421 ppbv m

RT: 13.00 min Scan# 3177

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion: 91 Resp: 8638926

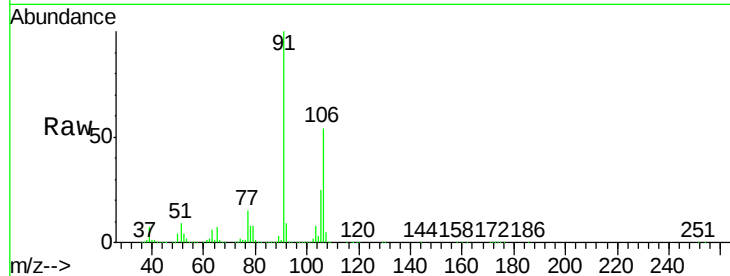
Ion Ratio Lower Upper

91 100

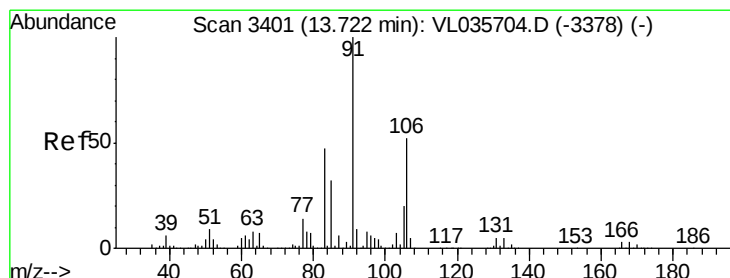
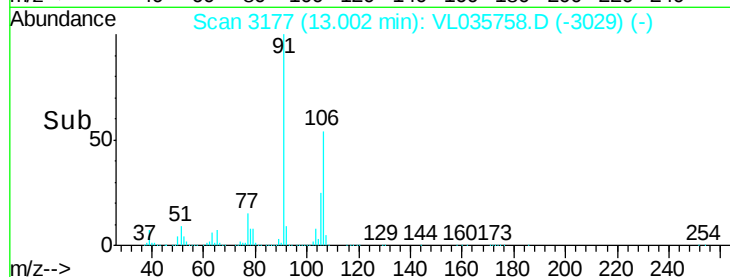
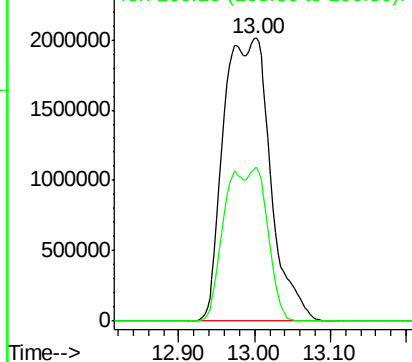
106 49.8 41.4 62.0

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



#60

o-Xylene

Concen: 10.795 ppbv

RT: 13.70 min Scan# 3394

Delta R.T. -0.02 min

Lab File: VL035758.D

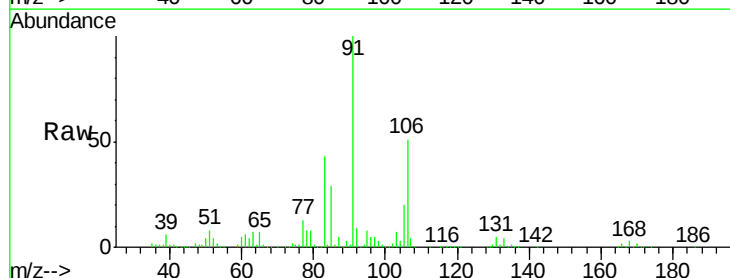
Acq: 12 Oct 2020 12:01

Tgt Ion: 91 Resp: 4207582

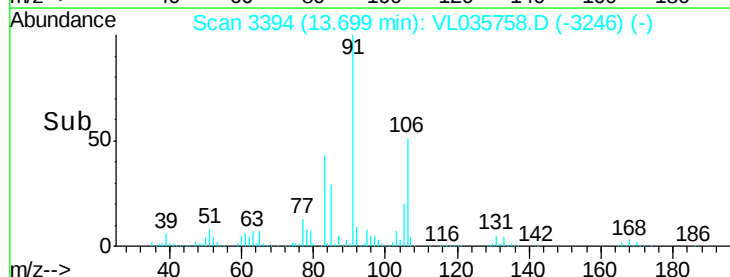
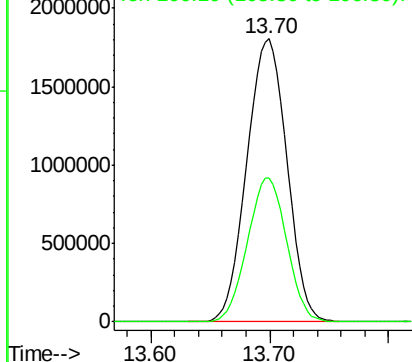
Ion Ratio Lower Upper

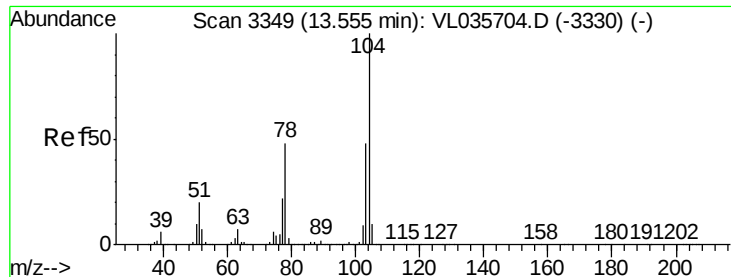
91 100

106 49.8 25.0 75.0



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





#61

Stvrene

Concen: 12.188 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion:104 Resp: 3284555

Ion Ratio Lower Upper

104 100

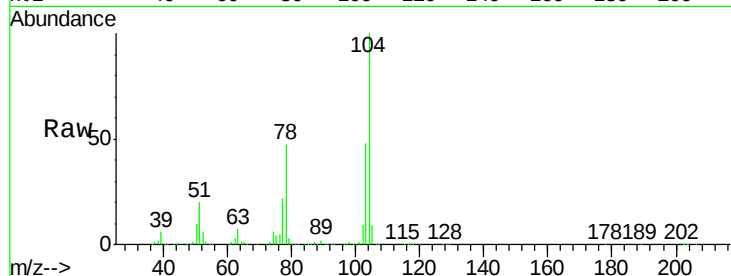
78 46.4 37.2 55.8

103 47.6 38.2 57.2

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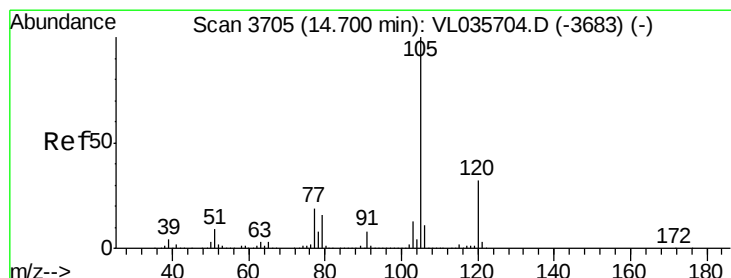
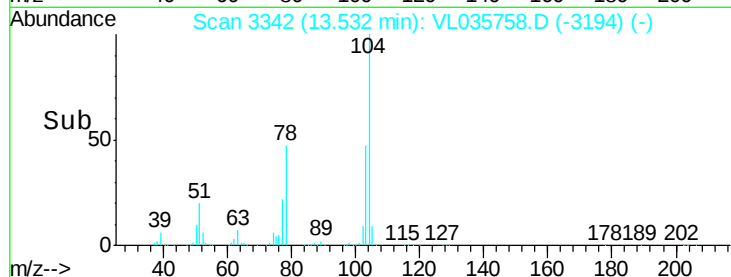
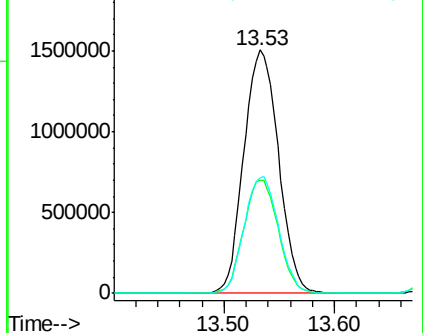
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Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 10.440 ppbv

RT: 14.67 min Scan# 3697

Delta R.T. -0.03 min

Lab File: VL035758.D

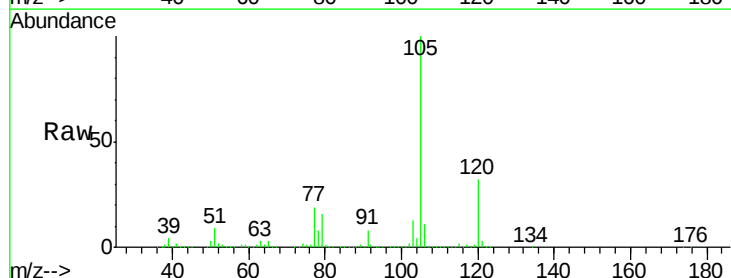
Acq: 12 Oct 2020 12:01

Tgt Ion:105 Resp: 6311468

Ion Ratio Lower Upper

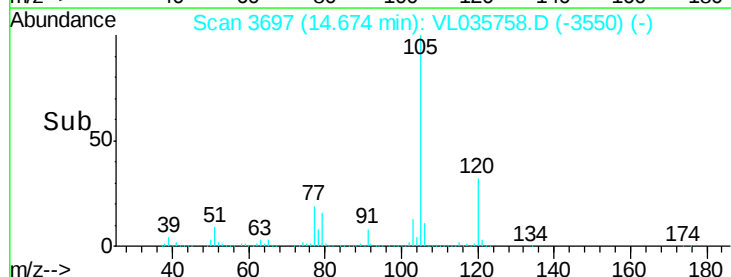
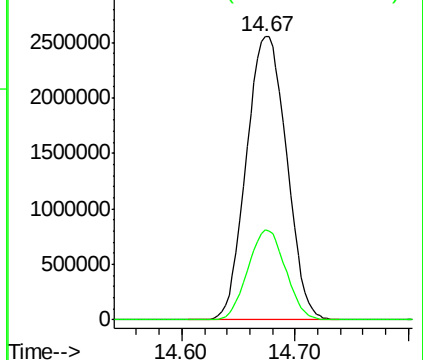
105 100

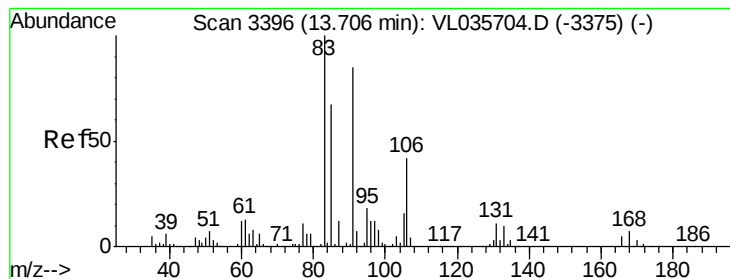
120 29.9 24.1 36.1



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: 9.611 ppbv

RT: 13.68 min Scan# 3389

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion: 83 Resp: 3071578

Ion Ratio Lower Upper

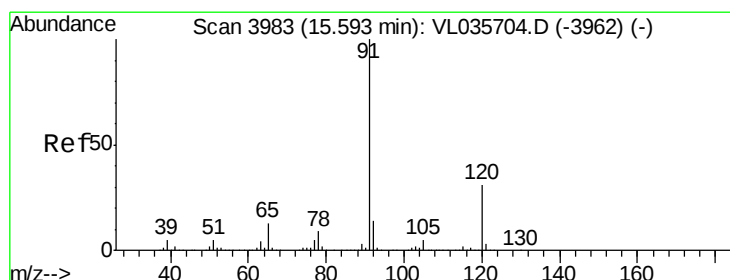
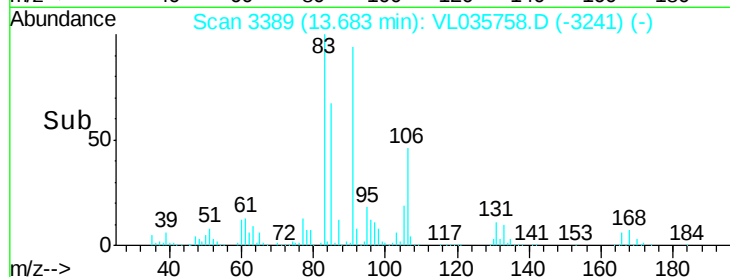
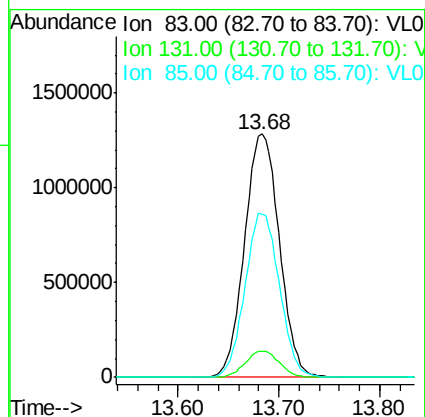
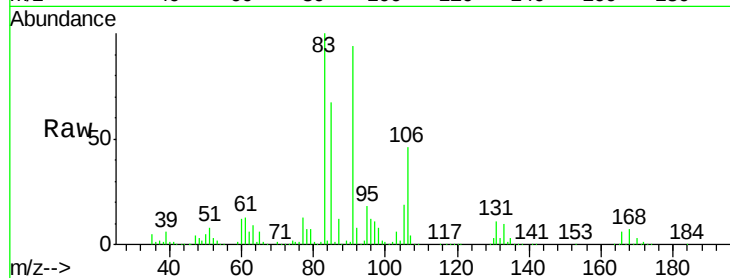
83 100

131 10.7 5.3 16.1

85 66.9 33.4 100.2

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#64

n-propylbenzene

Concen: 10.947 ppbv

RT: 15.57 min Scan# 3975

Delta R.T. -0.03 min

Lab File: VL035758.D

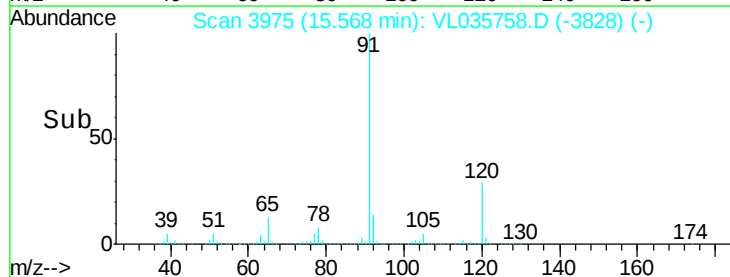
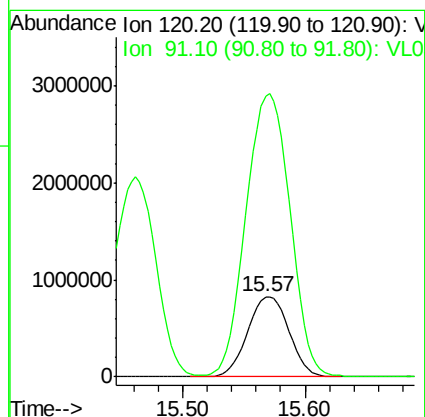
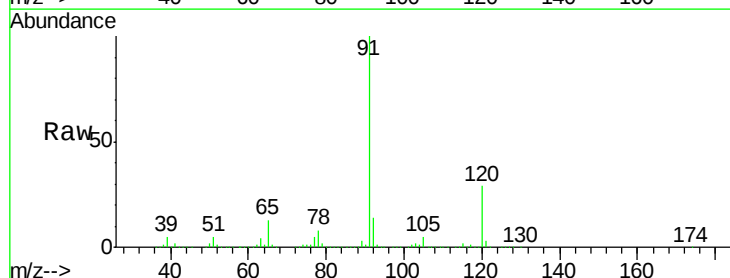
Acq: 12 Oct 2020 12:01

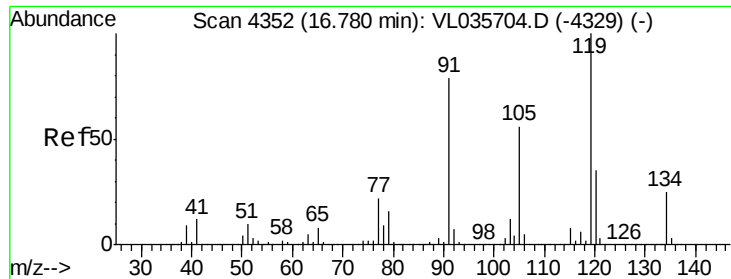
Tgt Ion: 120 Resp: 1936942

Ion Ratio Lower Upper

120 100

91 378.3 300.4 450.6





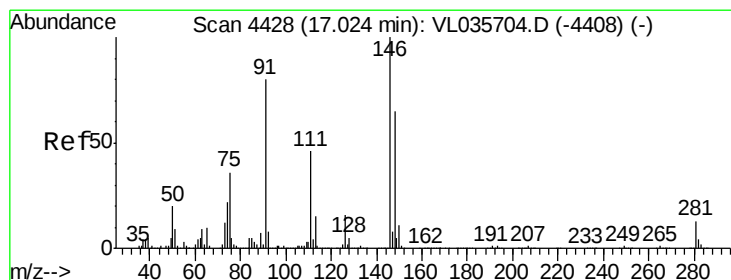
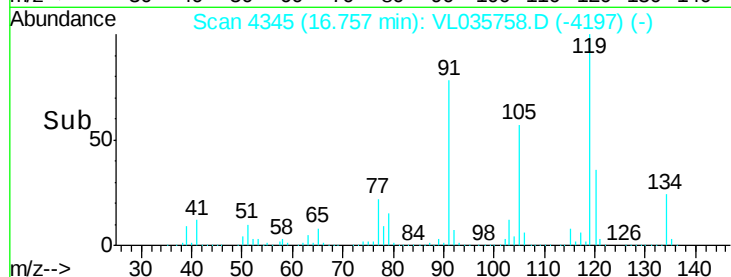
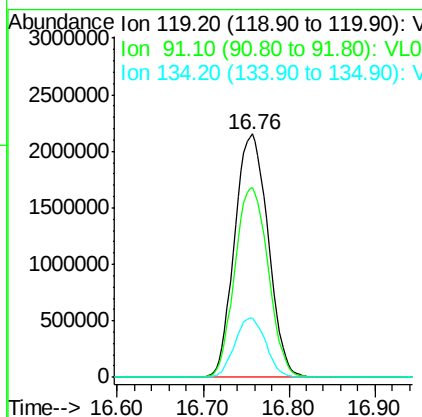
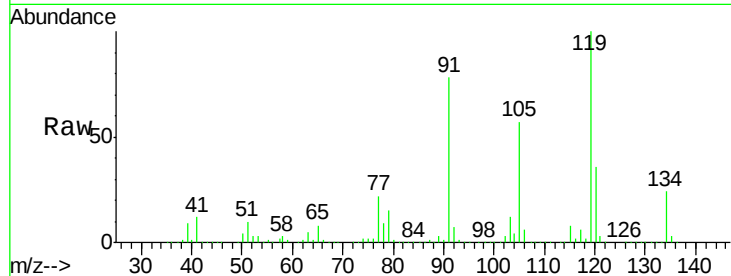
#65
 tert-Butylbenzene
 Concen: 10.605 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Tot Ion: 119 Resp: 5829188
 Ion Ratio Lower Upper
 119 100
 91 77.8 62.4 93.6
 134 22.5 18.2 27.2

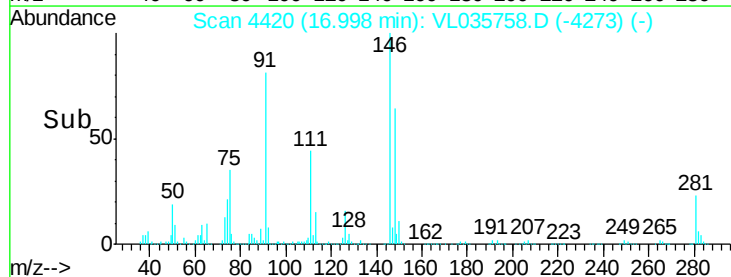
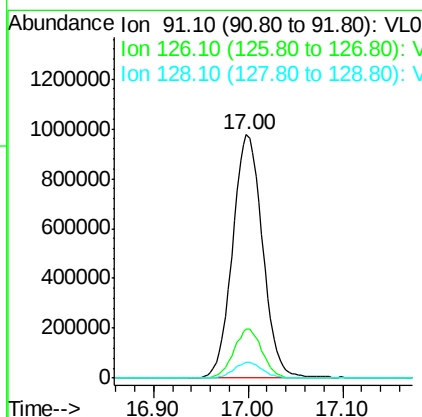
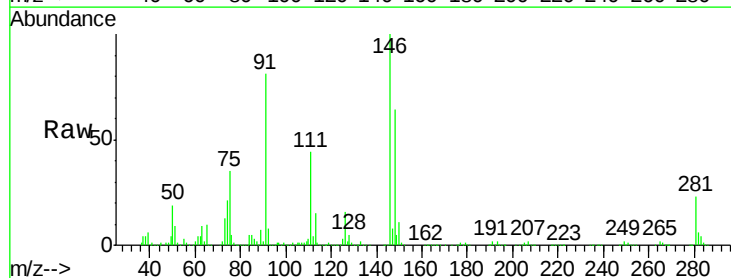
Manual Integrations
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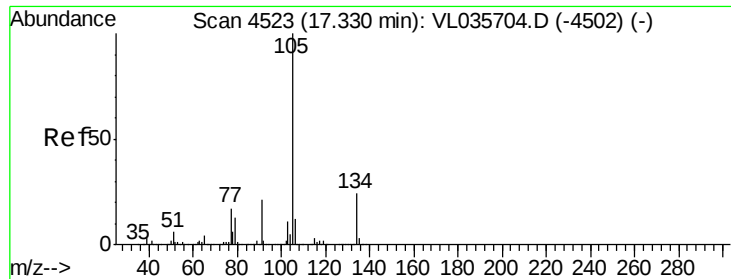
MMDadoda
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#66
 Benzyl Chloride
 Concen: 12.935 ppbv
 RT: 17.00 min Scan# 4420
 Delta R.T. -0.03 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion: 91 Resp: 2154026
 Ion Ratio Lower Upper
 91 100
 126 19.3 15.3 22.9
 128 6.4 5.0 7.4





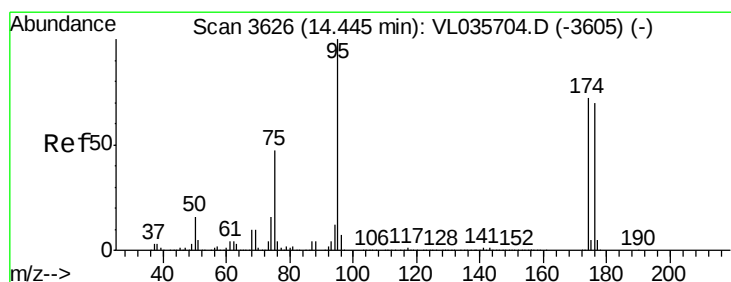
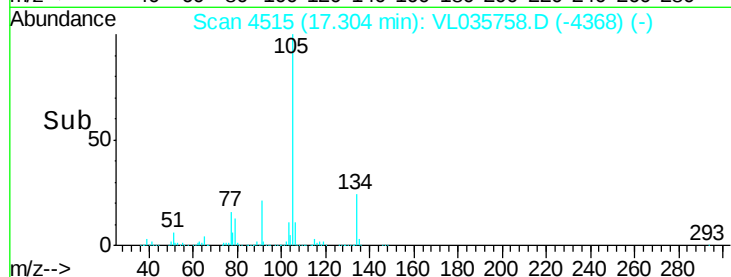
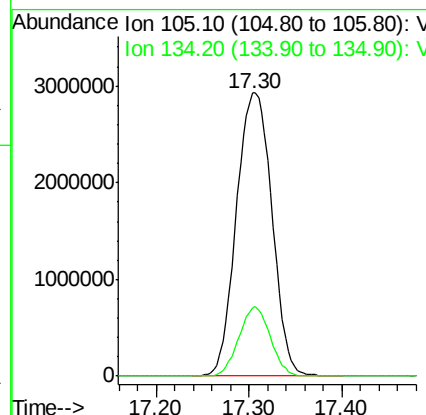
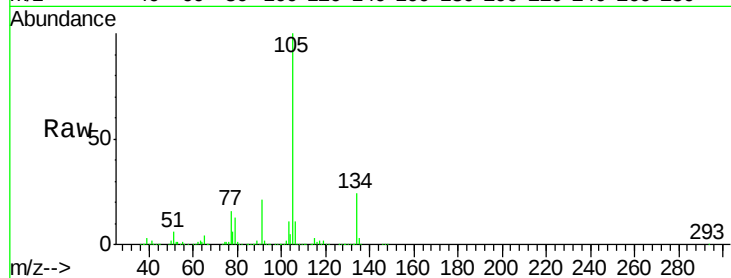
#67
 sec-Butylbenzene
 Concen: 10.248 ppbv
 RT: 17.30 min Scan# 4515
 Delta R.T. -0.03 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Tot Ion: 105 Resp: 7778376
 Ion Ratio Lower Upper
 105 100
 134 21.8 17.6 26.4

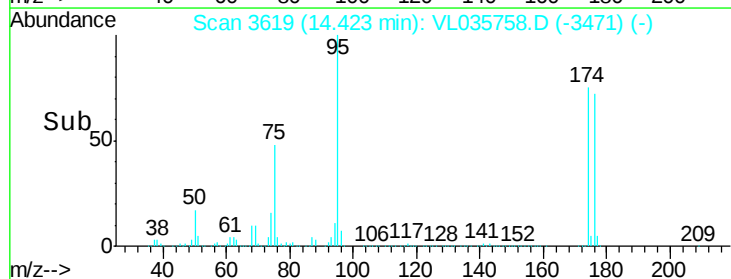
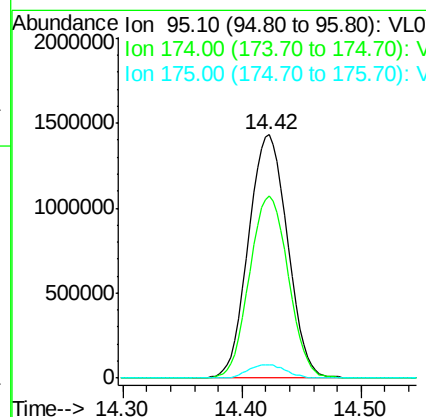
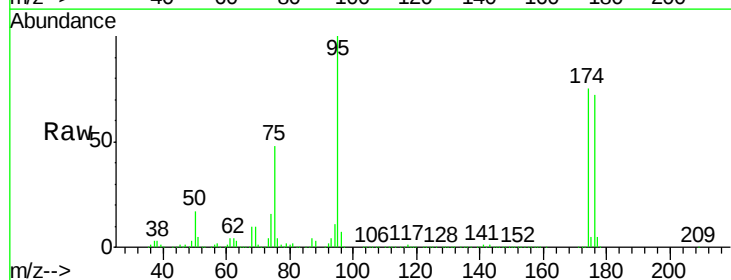
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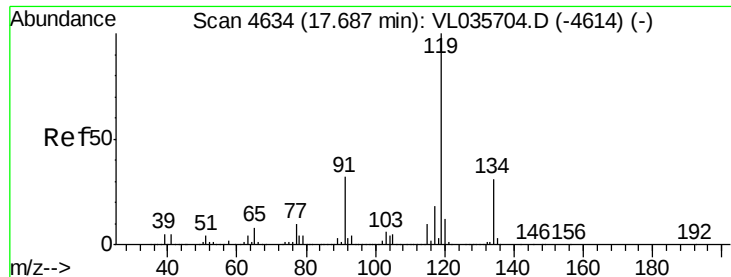
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.866 ppbv
 RT: 14.42 min Scan# 3619
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion: 95 Resp: 3249730
 Ion Ratio Lower Upper
 95 100
 174 75.0 59.6 89.4
 175 5.5 4.2 6.4





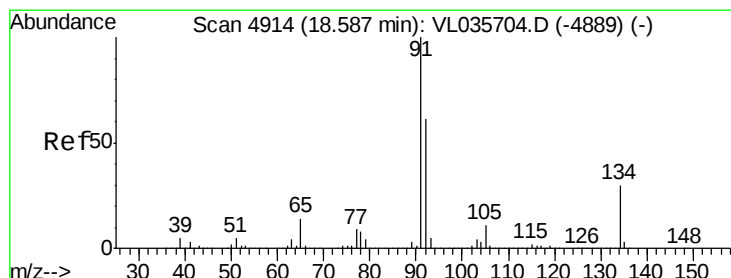
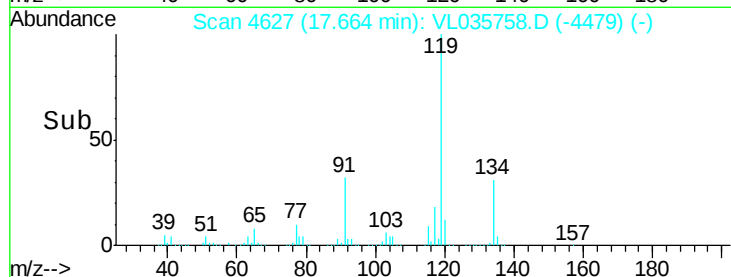
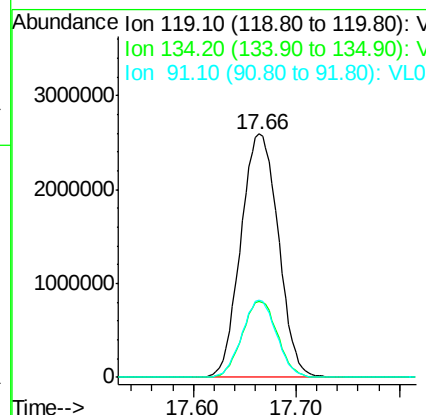
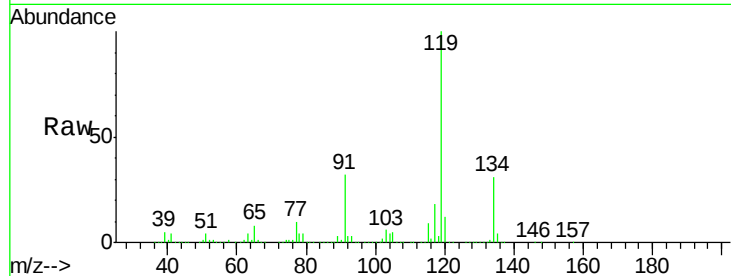
#69
p-Isopropyltoluene
Concen: 10.588 ppbv
RT: 17.66 min Scan# 4627
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

Tot Ion	Ratio	Lower	Upper
119	100		
134	29.5	23.9	35.9
91	29.4	23.8	35.6

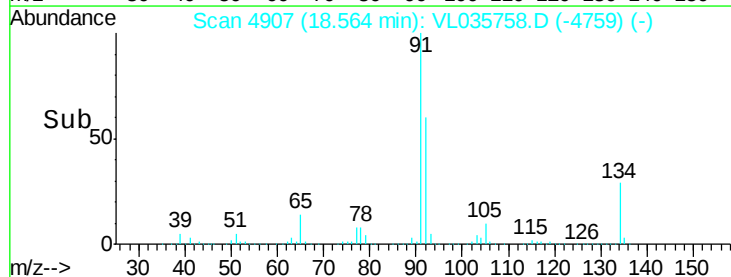
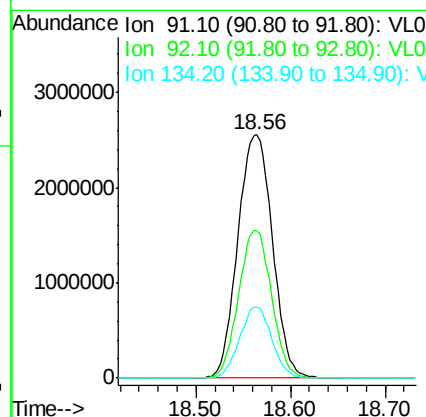
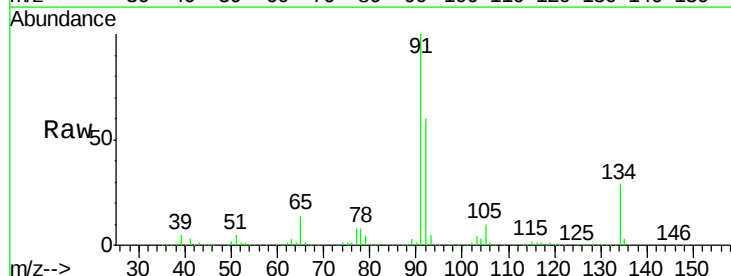
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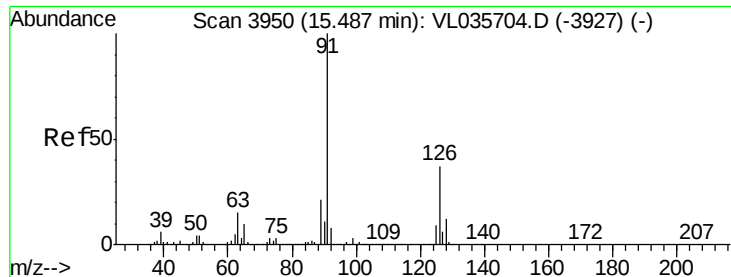
MMDadoda
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#70
n-Butylbenzene
Concen: 10.225 ppbv
RT: 18.56 min Scan# 4907
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.0	47.0	70.4
134	27.0	21.9	32.9





#71

2-Chlorotoluene

Concen: 11.013 ppbv

RT: 15.46 min Scan# 3942

Delta R.T. -0.03 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion: 91 Resp: 4856535

Ion Ratio Lower Upper

91 100

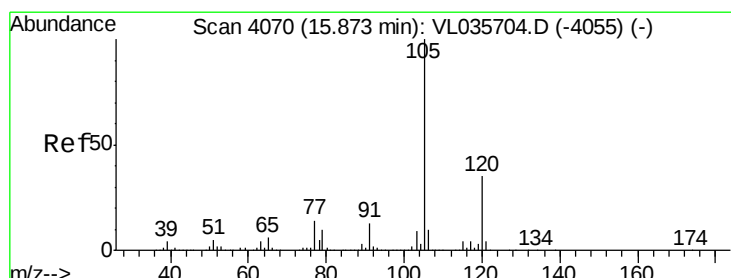
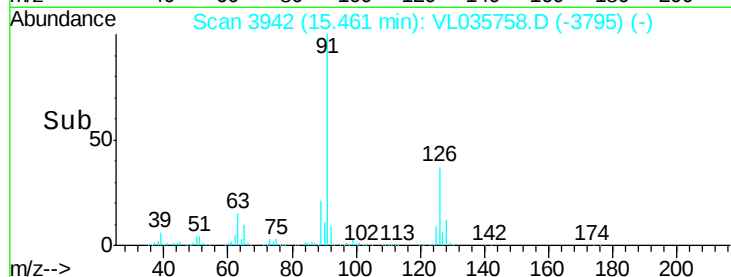
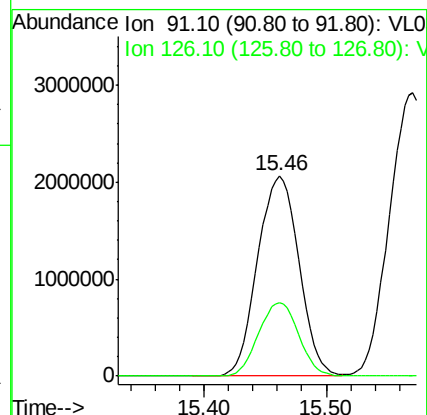
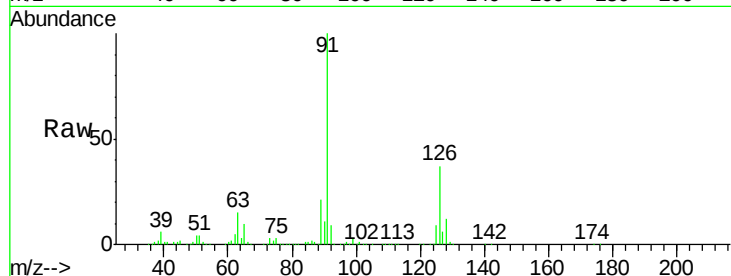
126 35.8 14.4 57.4

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#72

4-Ethyltoluene

Concen: 11.121 ppbv

RT: 15.85 min Scan# 4062

Delta R.T. -0.03 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Tgt Ion:105 Resp: 5134844

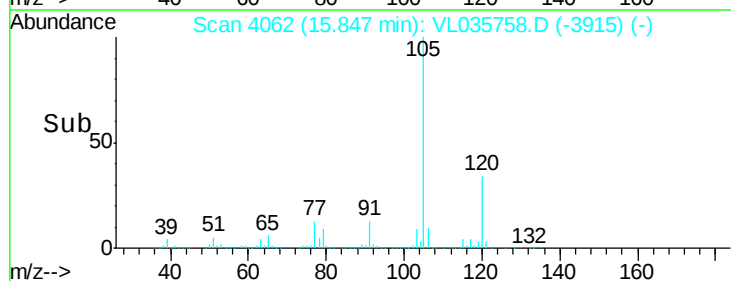
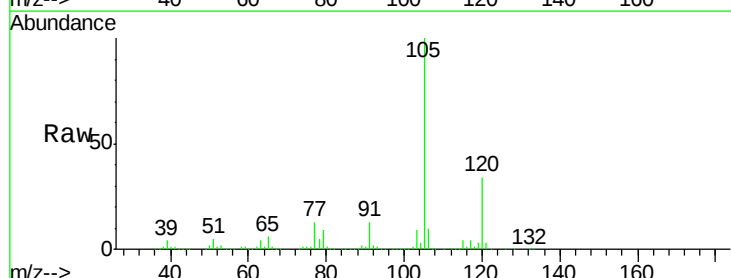
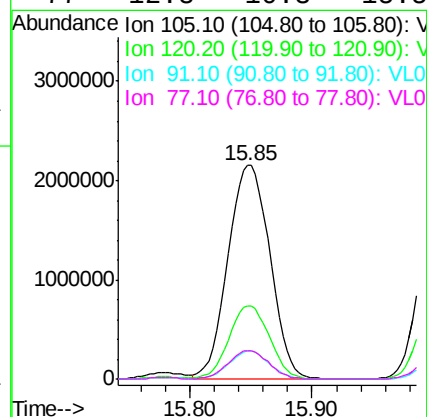
Ion Ratio Lower Upper

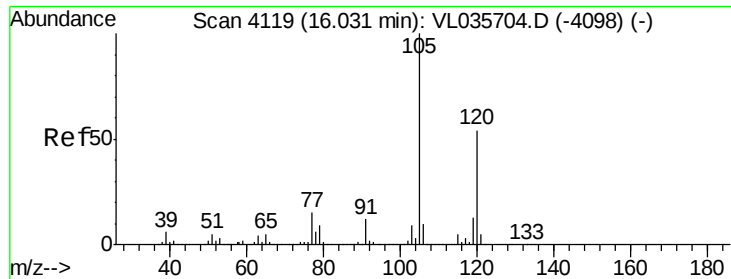
105 100

120 33.0 26.5 39.7

91 12.5 10.2 15.2

77 12.8 10.3 15.5





#73

1,3,5-Trimethylbenzene

Concen: 10.968 ppbv

RT: 16.01 min Scan# 4112

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion:105 Resp: 4785550

Ion Ratio Lower Upper

105 100

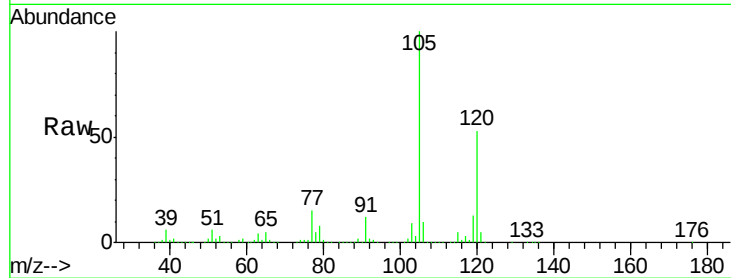
120 53.0 43.0 64.4

Manual Integrations

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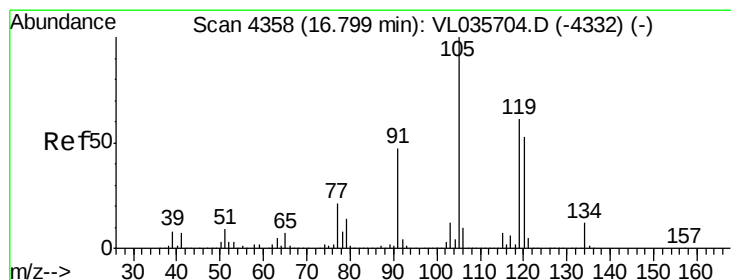
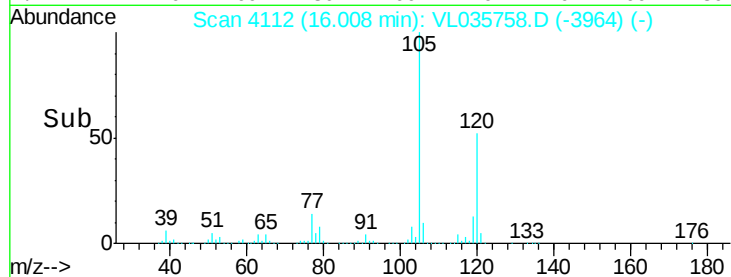
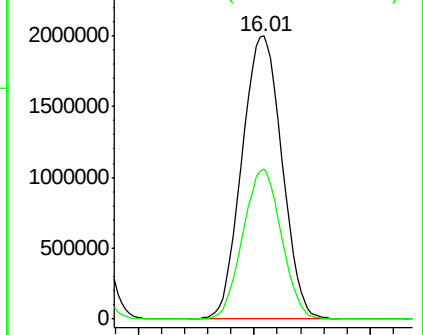
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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 10.110 ppbv

RT: 16.77 min Scan# 4350

Delta R.T. -0.03 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Tgt Ion:105 Resp: 4972599

Ion Ratio Lower Upper

105 100

120 54.6 42.5 63.7

91 52.6 37.7 56.5

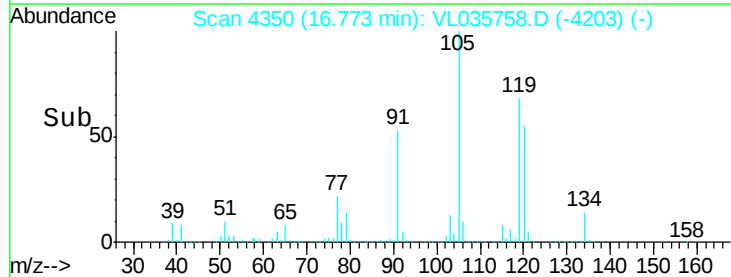
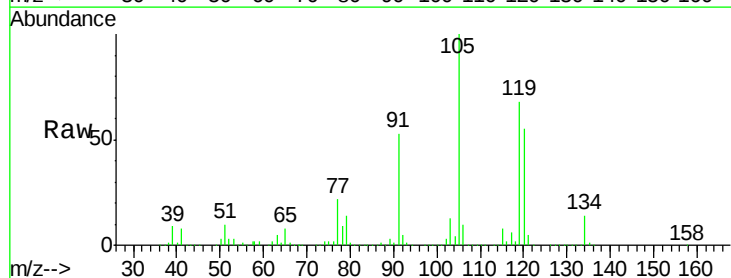
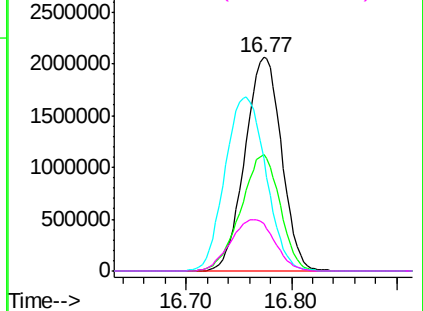
77 22.3 16.7 25.1

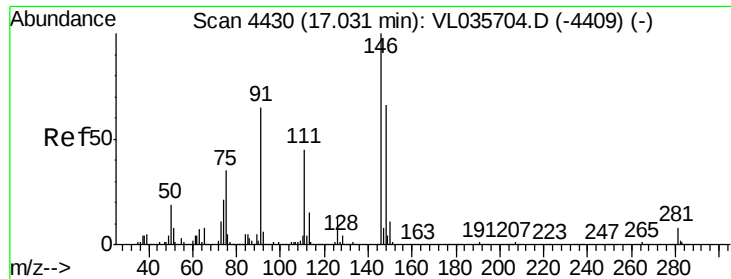
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): V

Ion 77.10 (76.80 to 77.80): V





#75

1,3-Dichlorobenzene

Concen: 9.748 ppbv

RT: 17.01 min Scan# 4423

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

Instrument :

MSVOA_L

ClientSampleId :

VL1012ABS01

Tot Ion:146 Resp: 3273351

Ion Ratio Lower Upper

146 100

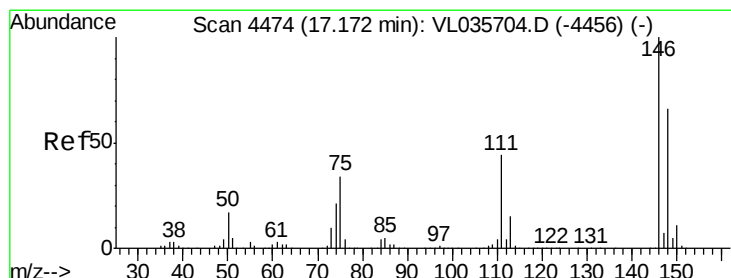
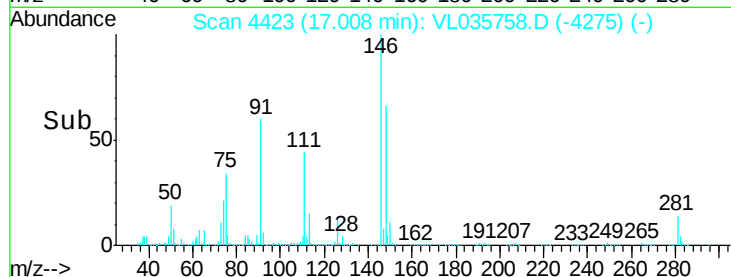
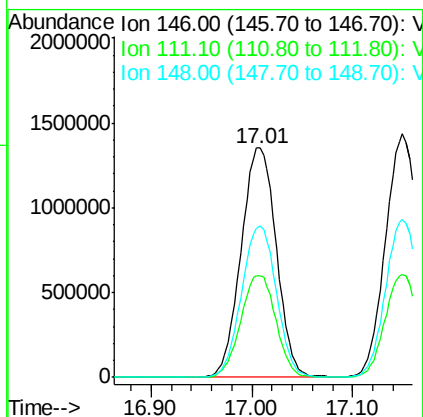
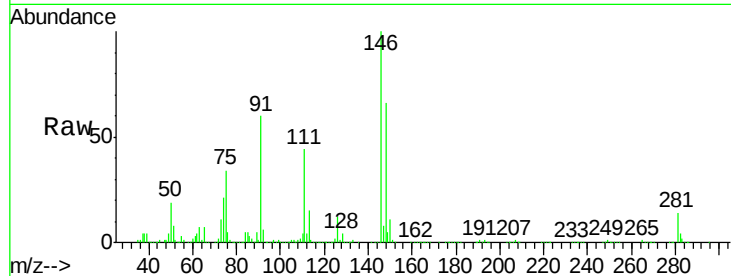
111 44.3 22.4 67.0

148 65.5 33.0 99.0

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#76

1,4-Dichlorobenzene

Concen: 10.224 ppbv

RT: 17.15 min Scan# 4467

Delta R.T. -0.02 min

Lab File: VL035758.D

Acq: 12 Oct 2020 12:01

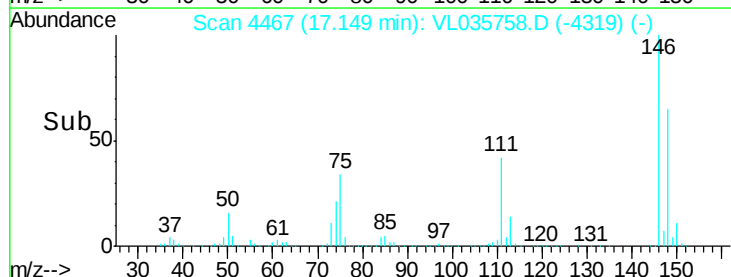
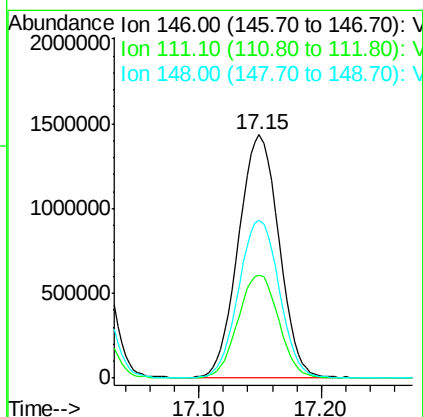
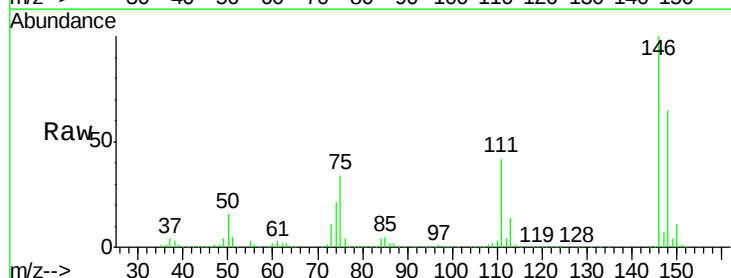
Tgt Ion:146 Resp: 3281803

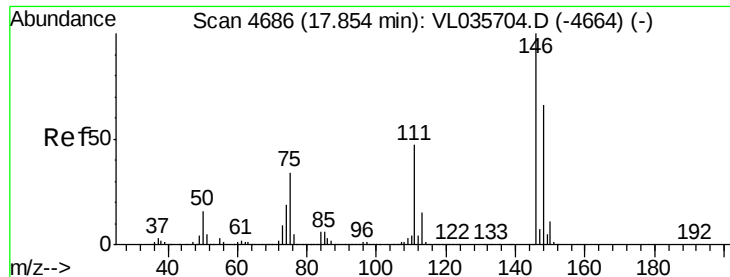
Ion Ratio Lower Upper

146 100

111 42.7 21.4 64.3

148 65.8 32.6 98.0





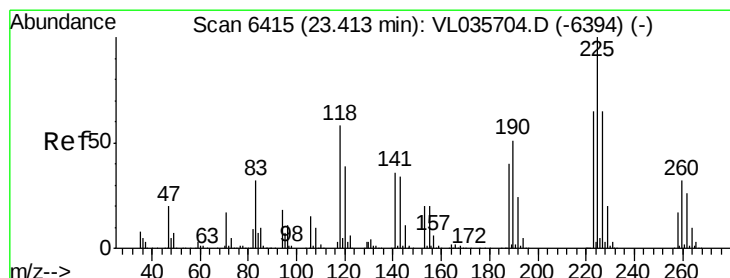
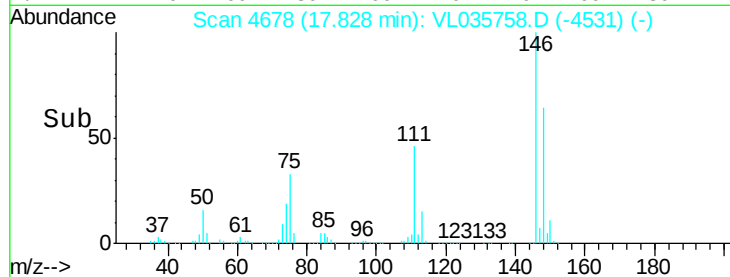
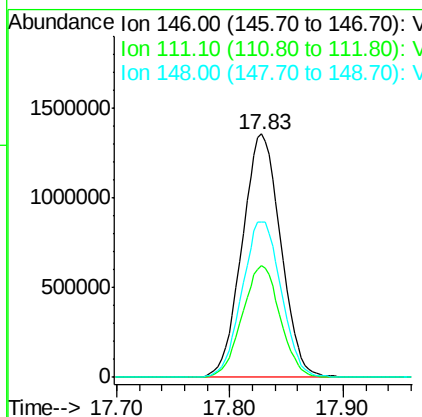
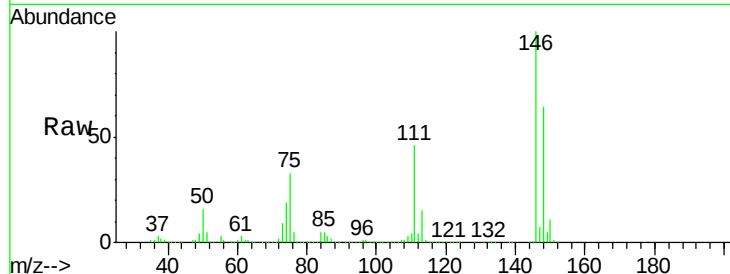
#77
 1,2-Dichlorobenzene
 Concen: 10.134 ppbv
 RT: 17.83 min Scan# 4678
 Delta R.T. -0.03 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Tot Ion:146 Resp: 3214042
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.9 68.5
 148 65.0 32.6 98.0

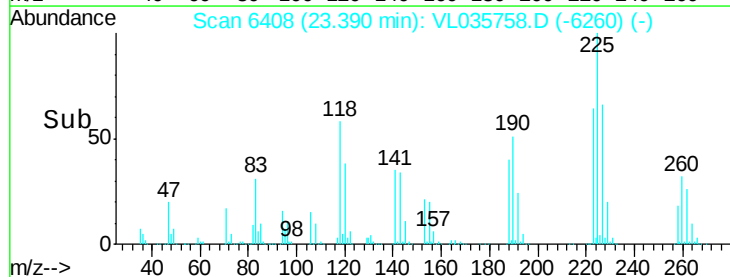
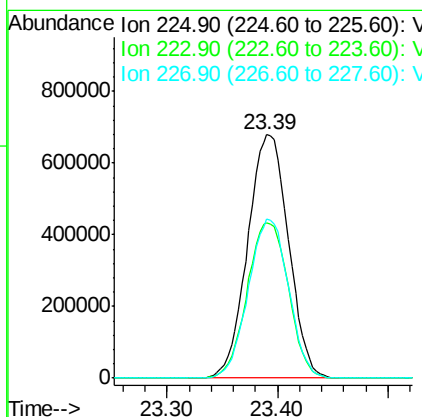
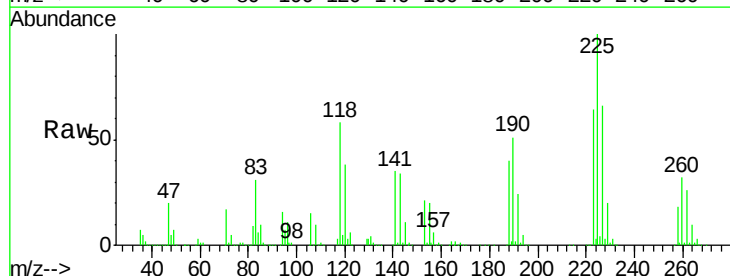
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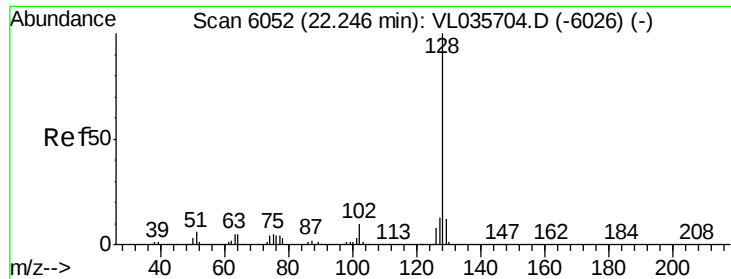
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.942 ppbv
 RT: 23.39 min Scan# 6408
 Delta R.T. -0.02 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tgt Ion:225 Resp: 1739651
 Ion Ratio Lower Upper
 225 100
 223 64.5 51.3 76.9
 227 64.3 51.6 77.4





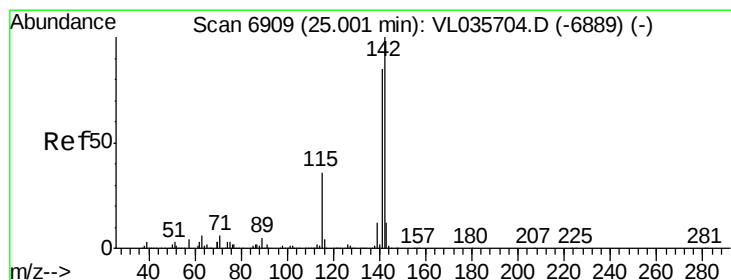
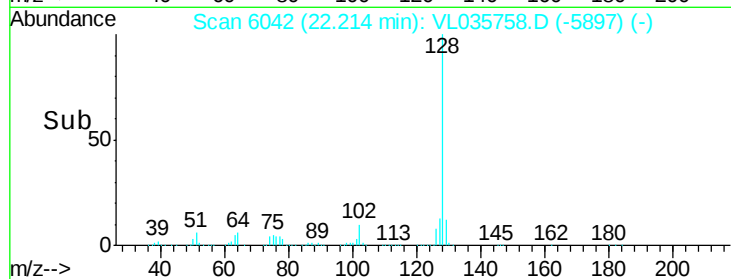
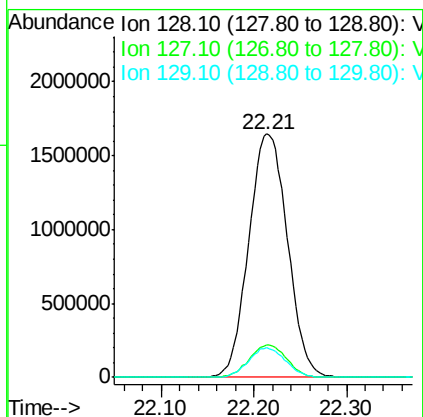
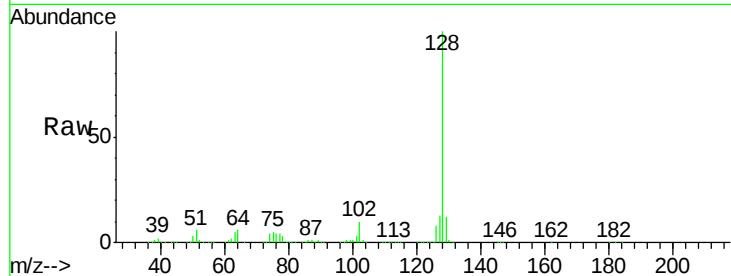
#79
Naphthalene
Concen: 10.195 ppbv
RT: 22.21 min Scan# 6042
Delta R.T. -0.03 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Instrument :
MSVOA_L
ClientSampleId :
VL1012ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.6	15.8
129	12.2	9.4	14.0

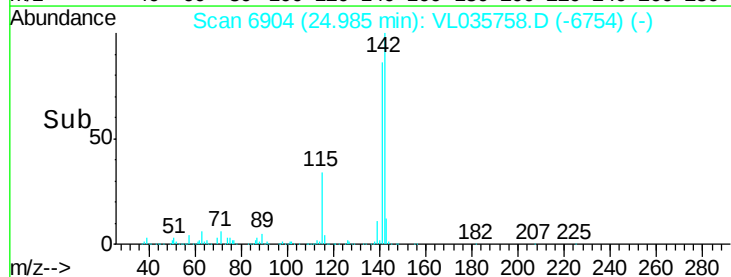
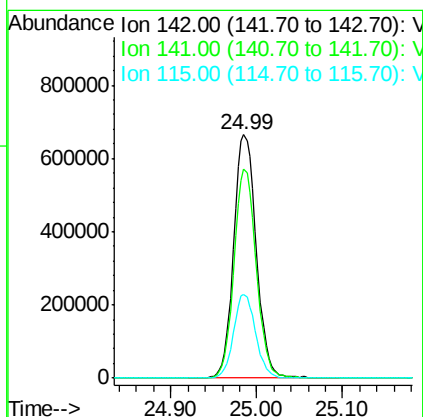
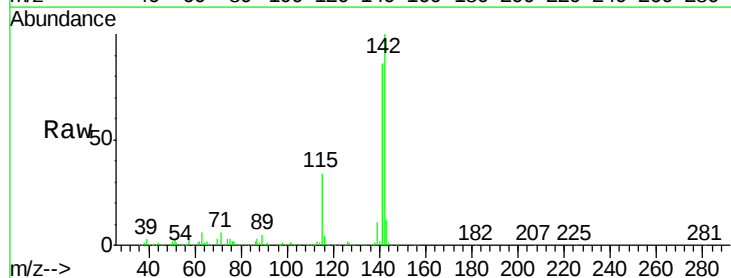
Manual Integrations
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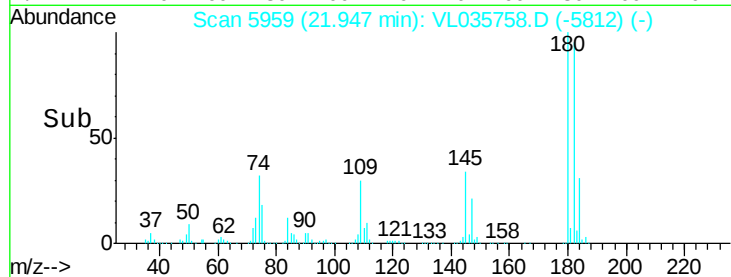
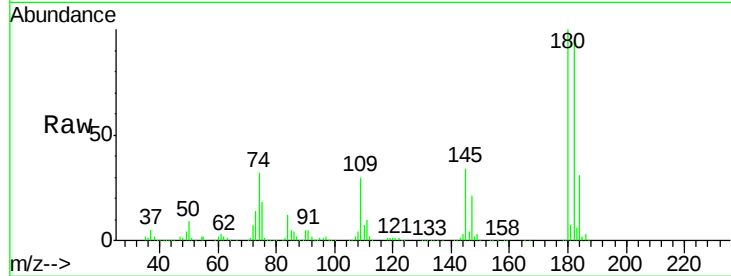
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#80
Naphthalene, 2-methyl-
Concen: 10.965 ppbv
RT: 24.99 min Scan# 6904
Delta R.T. -0.02 min
Lab File: VL035758.D
Acq: 12 Oct 2020 12:01

Tgt Ion	Ratio	Lower	Upper
142	100		
141	84.7	68.2	102.4
115	33.8	27.8	41.6





#81
 1,2,4-Trichlorobenzene
 Concen: 10.273 ppbv
 RT: 21.95 min Scan# 5959
 Delta R.T. -0.03 min
 Lab File: VL035758.D
 Acq: 12 Oct 2020 12:01

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	76.2	114.2
184	30.9	24.6	37.0

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1012ABS01

Manual Integrations
 APPROVED

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