

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035860.D
 Acq On : 5 Nov 2020 13:57
 Operator : SY/AP
 Sample : VL1105ABS01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1105ABS01

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 1:38:36 PM

Quant Time: Nov 08 14:07:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	950511	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3662292	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3581376m	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2543175	9.99	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.90%

Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.03	85	1719574	9.609	ppbv	99
3) Chlorodifluoromethane	2.97	51	1169971	10.279	ppbv	98
4) Chloromethane	3.12	50	556751	10.068	ppbv	100
5) Vinyl Chloride	3.24	62	714844	10.141	ppbv	96
6) Bromomethane	3.45	94	586144	10.339	ppbv	100
7) Chloroethane	3.54	64	260642	10.506	ppbv	99
8) Dichlorotetrafluoroethane	3.17	85	2047515	9.997	ppbv	99
9) Propene	2.99	41	428767	10.292	ppbv	98
10) Heptane	8.10	43	1277112	11.098	ppbv	99
11) Trichlorofluoromethane	3.93	101	2488009	11.072	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1804131	10.784	ppbv	99
13) Ethanol	3.58	45	64553m	7.142	ppbv	
14) Bromoethene	3.72	108	764267	9.926	ppbv	99
15) Acetone	3.83	43	984902	9.692	ppbv	98
16) 1,3-Butadiene	3.30	39	463569	10.596	ppbv	97
17) tert-Butyl alcohol	4.27	59	1136083	8.436	ppbv	100
18) 1,1-Dichloroethene	4.27	96	810906	10.557	ppbv	95
19) Isopropyl Alcohol	3.94	45	498266	7.979	ppbv	# 96
20) Methylene Chloride	4.32	84	671530	9.387	ppbv	99
21) Allyl Chloride	4.39	41	596878	10.862	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	827319	10.624	ppbv	98
23) Vinyl Acetate	5.05	43	1365410	9.586	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1392371	10.260	ppbv	100
25) Ethyl Acetate	5.65	43	2160151	10.791	ppbv	99
26) Hexane	5.66	57	1129011	10.226	ppbv	97
27) Carbon Disulfide	4.53	76	1737195	10.501	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1918836	9.678	ppbv	100
29) Chloroform	5.73	83	2262759	10.428	ppbv	97
30) Cyclohexane	7.11	84	1195986	9.946	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1188841	10.467	ppbv	97
32) 1,1,1-Trichloroethane	6.49	97	2206393	9.744	ppbv	99
34) 2-Butanone	5.22	43	1360204	11.444	ppbv	97
35) Carbon Tetrachloride	7.00	117	2217603	11.333	ppbv	97
36) Benzene	6.87	78	2829174	10.391	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1425197	11.555	ppbv	98
38) Trichloroethene	7.81	130	1316164	9.897	ppbv	97
39) 1,2-Dichloropropane	7.59	63	986579	10.763	ppbv	98
40) 1,4-Dioxane	7.81	88	367209	8.452	ppbv	# 1
41) Tetrahydrofuran	6.02	42	788202	11.673	ppbv	99
42) Bromodichloromethane	7.77	83	2304984	11.075	ppbv	99
43) Methyl Methacrylate	7.99	69	1169991	11.266	ppbv	97

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 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 0
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	3919052	10.877	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	1233260	11.202	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1526254	10.947	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1320452	10.572	ppbv	98
48) Dibromochloromethane	10.28	129	2163141	11.336	ppbv	100
49) Bromoform	13.02	173	1829483	11.362	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2143734	11.795	ppbv	99
51) 2-Hexanone	10.11	43	1737525	11.901	ppbv	98
52) Tetrachloroethene	11.20	164	1235970	9.582	ppbv	99
53) Toluene	9.79	91	3461528	10.537	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2009792	10.581	ppbv	97
56) 1,1,1,2-Tetrachloroethane	12.11	131	1688597	10.505	ppbv #	93
57) Chlorobenzene	12.13	112	2789453	9.796	ppbv	99
58) Ethyl Benzene	12.69	91	4484153	10.280	ppbv	97
59) m/p-Xylene	12.98	91	7632860m	20.683	ppbv	
60) o-Xylene	13.67	91	3712124	10.340	ppbv	99
61) Styrene	13.51	104	2782407	10.578	ppbv	99
62) Isopropylbenzene	14.65	105	5604416	9.932	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2624233	9.434	ppbv	99
64) n-propylbenzene	15.55	120	1624519	9.961	ppbv	95
65) tert-Butylbenzene	16.73	119	4983067	9.702	ppbv	100
66) Benzyl Chloride	16.97	91	1624909	9.572	ppbv	98
67) sec-Butylbenzene	17.28	105	6740181	9.738	ppbv	99
69) p-Isopropyltoluene	17.63	119	5578444	9.767	ppbv	99
70) n-Butylbenzene	18.53	91	5428139	9.869	ppbv	99
71) 2-Chlorotoluene	15.44	91	4182640	10.134	ppbv	98
72) 4-Ethyltoluene	15.82	105	4412309	10.134	ppbv	100
73) 1,3,5-Trimethylbenzene	15.98	105	4042720	10.146	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4212124	9.866	ppbv	97
75) 1,3-Dichlorobenzene	16.98	146	2613106	9.612	ppbv	100
76) 1,4-Dichlorobenzene	17.12	146	2565642	9.783	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2530995	9.551	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1213840	9.817	ppbv	100
79) Naphthalene	22.17	128	2844100	9.556	ppbv	100
80) Naphthalene, 2-methyl-	24.97	142	316318	6.522	ppbv	98
81) 1,2,4-Trichlorobenzene	21.91	180	1537941	9.249	ppbv	98

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

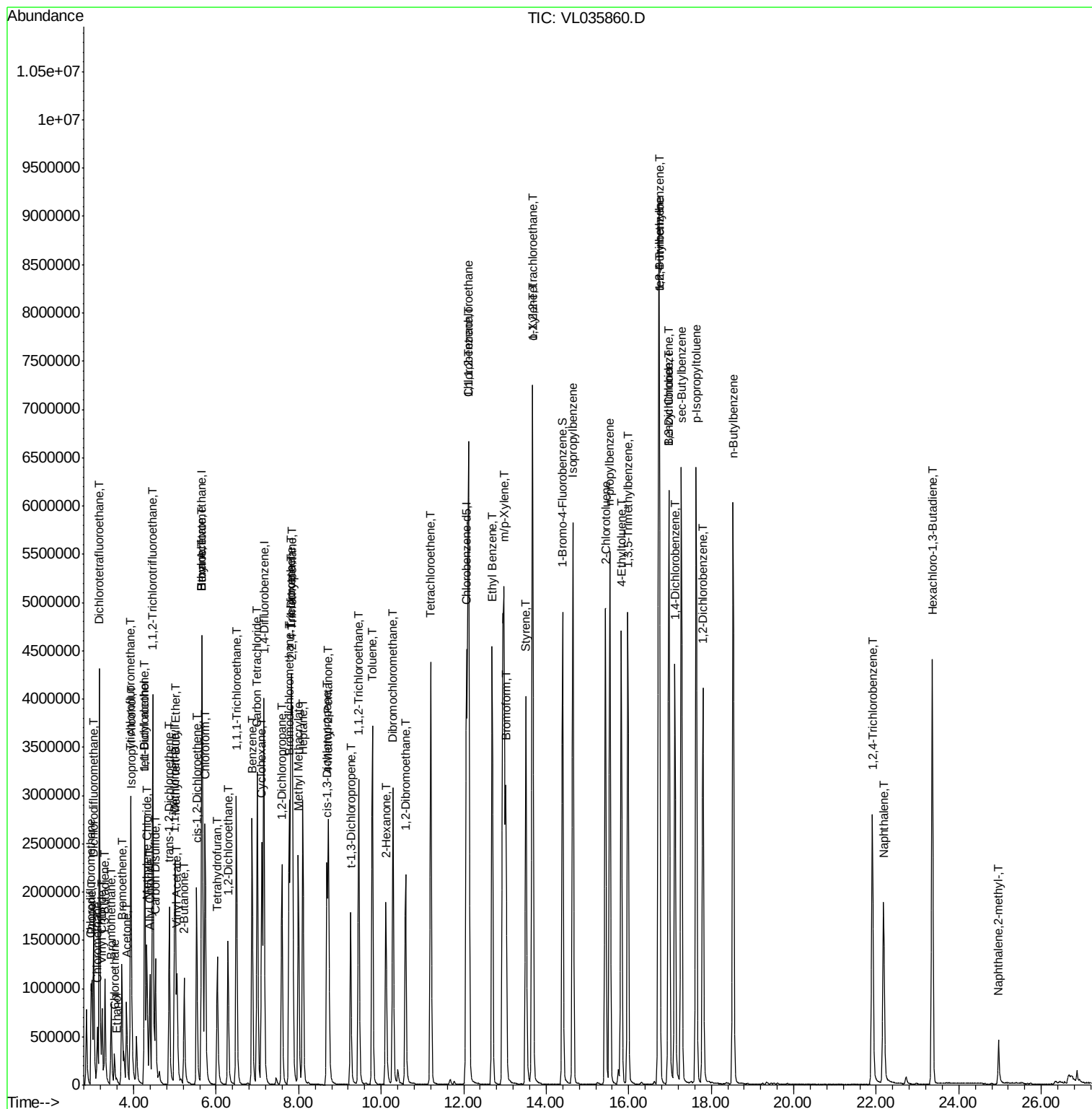
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110520\
Data File : VL035860.D
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Operator : SY/AP
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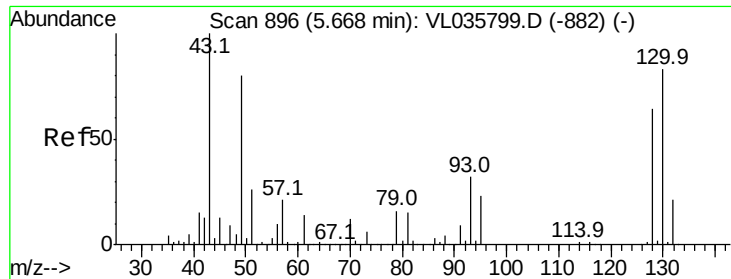
Instrument :
MSVOA_L
ClientSampleId :
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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 04 02:40:06 2020
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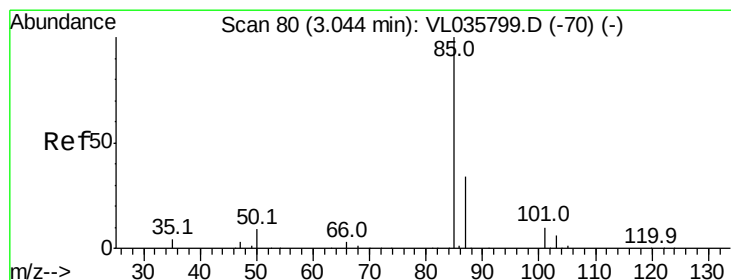
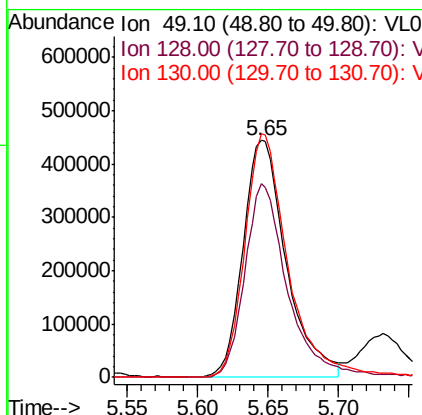
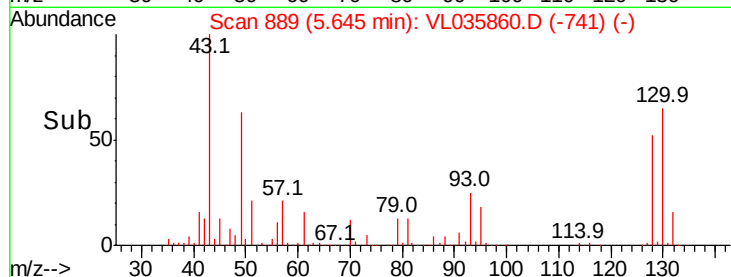
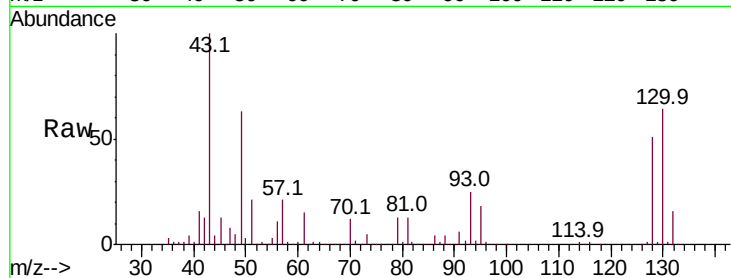
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.65 min Scan# 889
Delta R.T. -0.02 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VL1105ABS01

Tot Ion	Ratio	Lower	Upper
49	100		
128	82.1	41.5	124.6
130	104.4	53.7	161.1

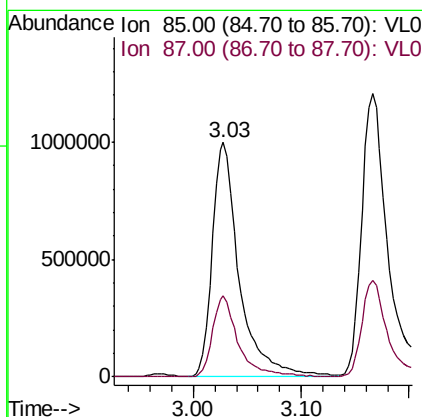
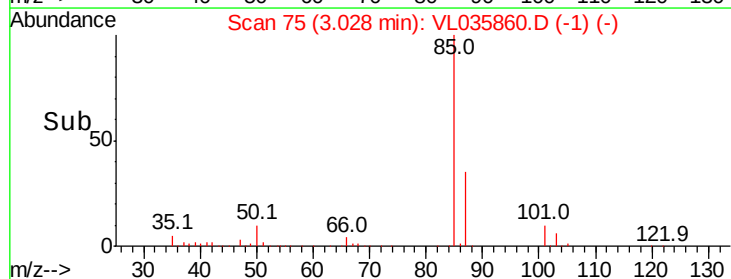
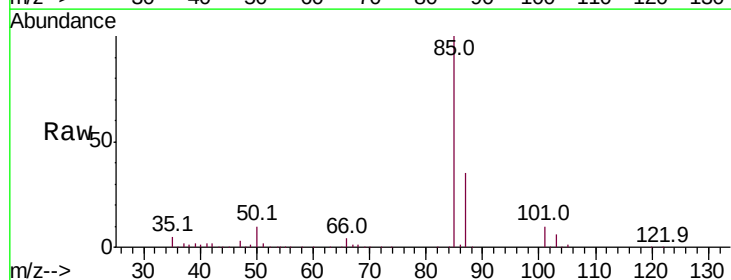
Manual Integrations
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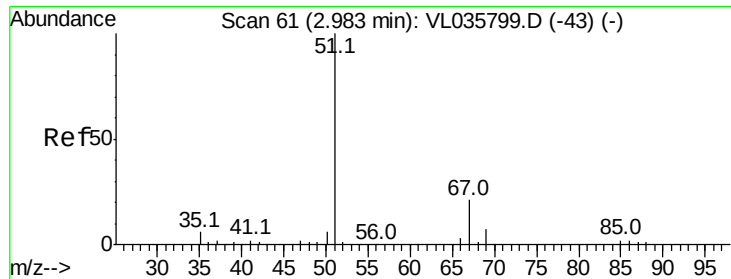
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#2
Dichlorodifluoromethane
Concen: 9.609 ppbv
RT: 3.03 min Scan# 75
Delta R.T. -0.02 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Tgt Ion	Ratio	Lower	Upper
85	100		
87	34.5	27.1	40.7





#3

Chlorodifluoromethane

Concen: 10.279 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion: 51 Resp: 1169971

Ion Ratio Lower Upper

51 100

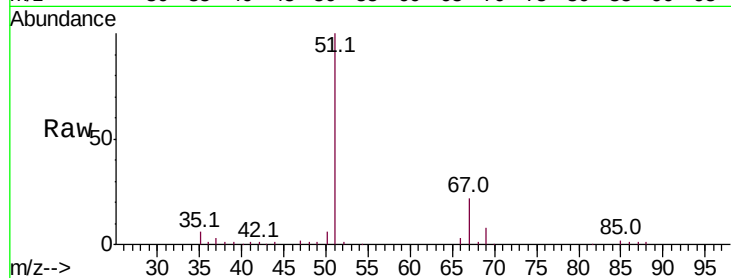
67 22.0 17.0 25.4

Manual Integrations

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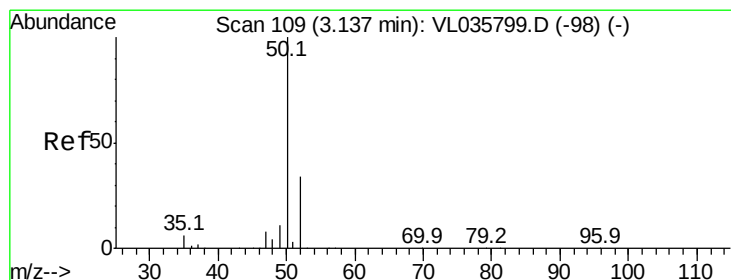
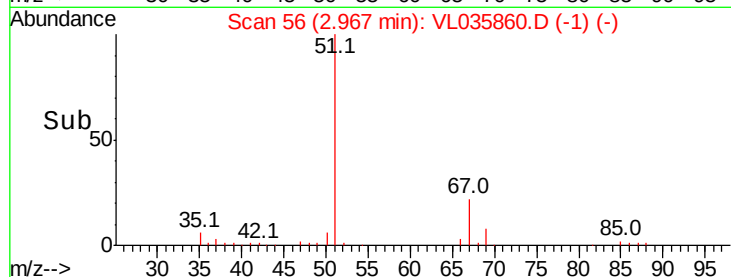
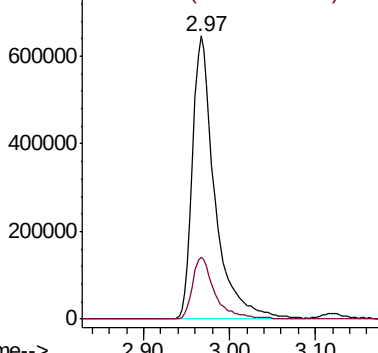
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.068 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.02 min

Lab File: VL035860.D

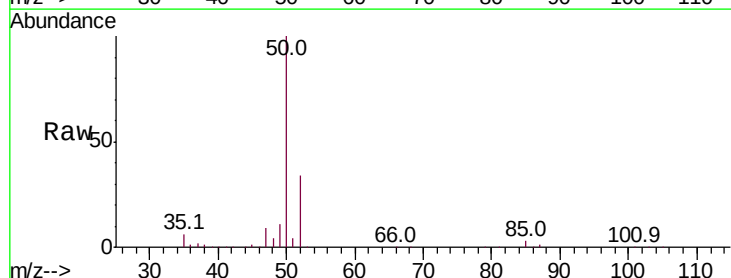
Acq: 5 Nov 2020 13:57

Tgt Ion: 50 Resp: 556751

Ion Ratio Lower Upper

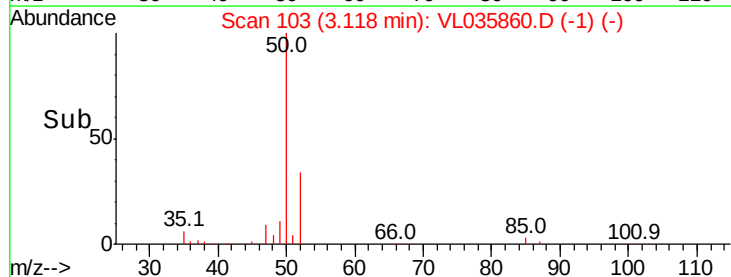
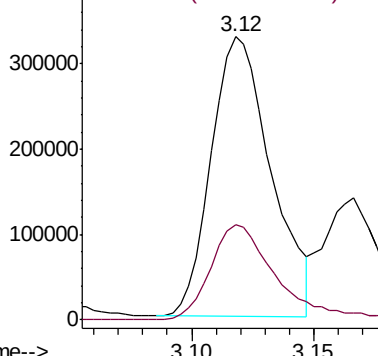
50 100

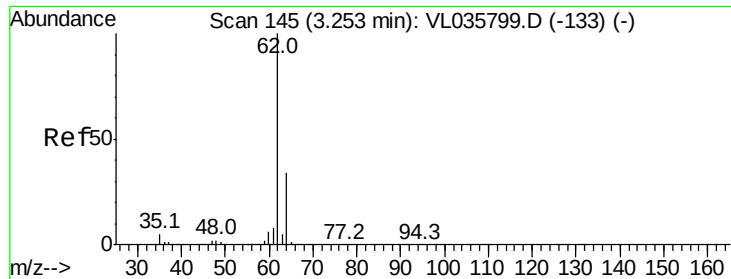
52 34.1 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.141 ppbv

RT: 3.24 min Scan# 140

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion: 62 Resp: 714844

Ion Ratio Lower Upper

62 100

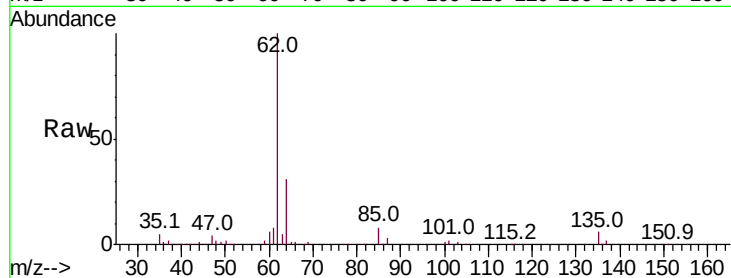
64 31.3 26.9 40.3

Manual Integrations

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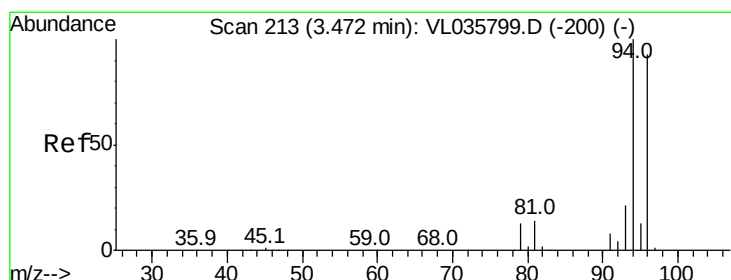
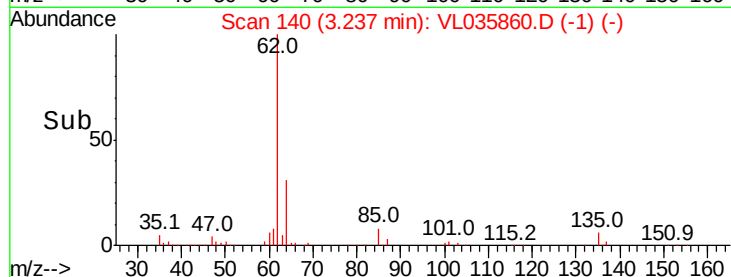
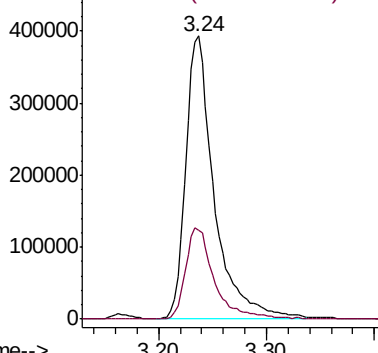
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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 10.339 ppbv

RT: 3.45 min Scan# 207

Delta R.T. -0.02 min

Lab File: VL035860.D

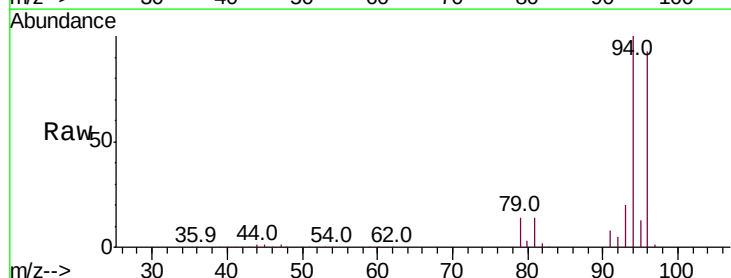
Acq: 5 Nov 2020 13:57

Tgt Ion: 94 Resp: 586144

Ion Ratio Lower Upper

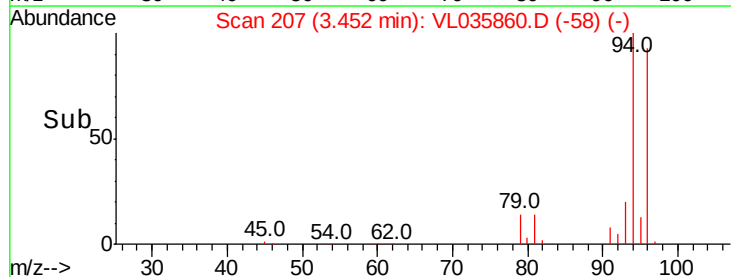
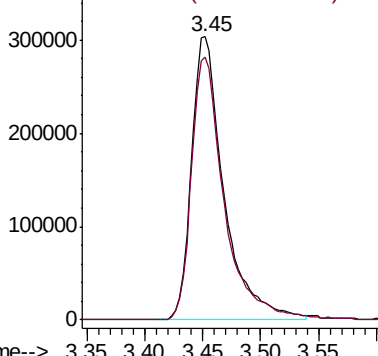
94 100

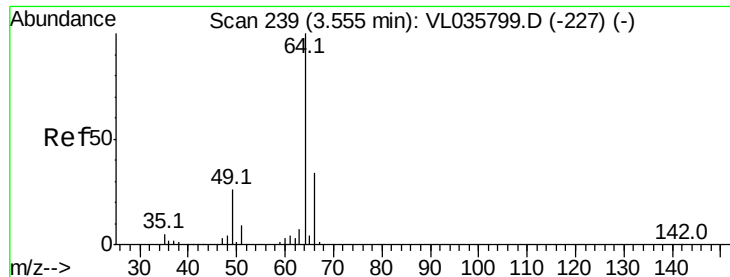
96 92.8 74.6 111.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.506 ppbv

RT: 3.54 min Scan# 233

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion: 64 Resp: 260642

Ion Ratio Lower Upper

64 100

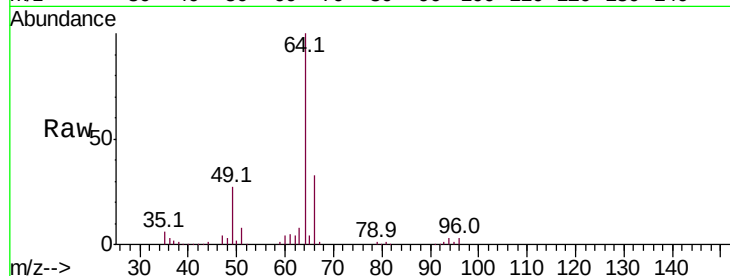
66 33.3 27.0 40.6

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

150000

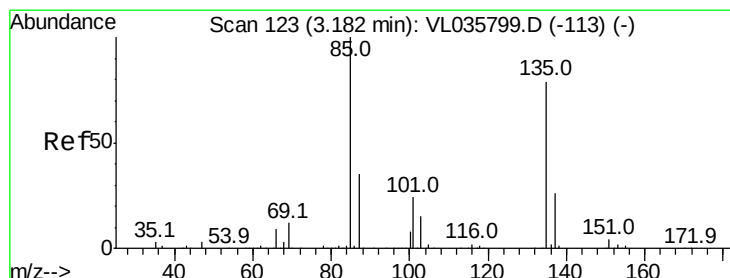
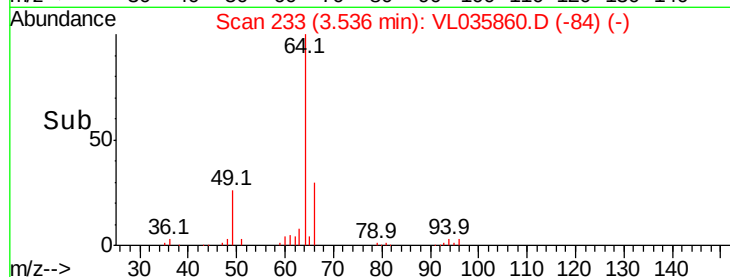
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50000

0

3.45 3.50 3.55 3.60

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.997 ppbv

RT: 3.17 min Scan# 118

Delta R.T. -0.02 min

Lab File: VL035860.D

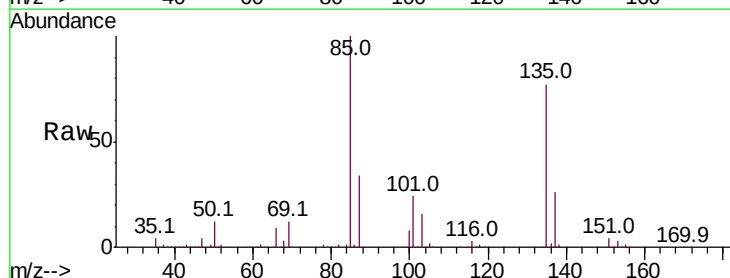
Acq: 5 Nov 2020 13:57

Tgt Ion: 85 Resp: 2047515

Ion Ratio Lower Upper

85 100

135 80.1 64.6 96.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

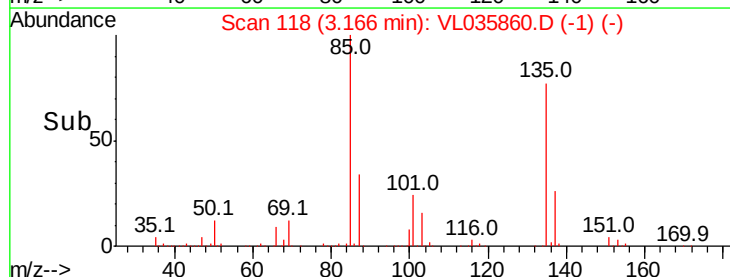
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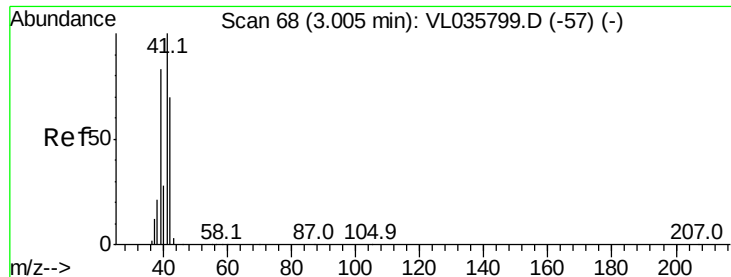
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0

3.10 3.15 3.20 3.25 3.30

Time-->





#9

Propene

Concen: 10.292 ppbv

RT: 2.99 min Scan# 63

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion: 41 Resp: 428767

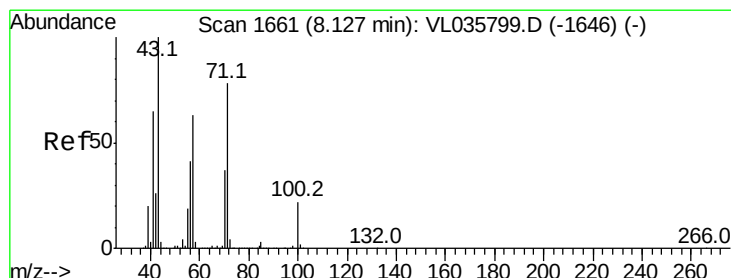
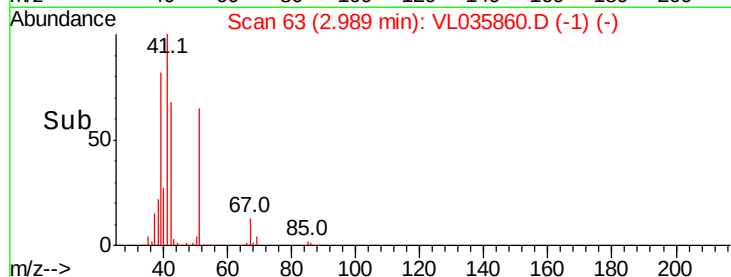
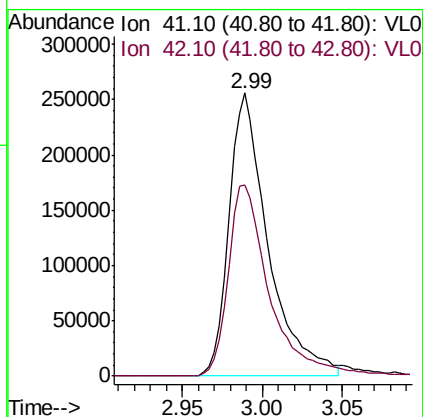
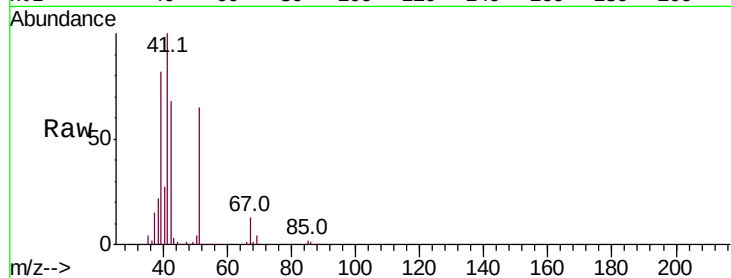
Ion Ratio Lower Upper

41 100

42 72.0 56.2 84.4

Manual Integrations
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#10

Heptane

Concen: 11.098 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.03 min

Lab File: VL035860.D

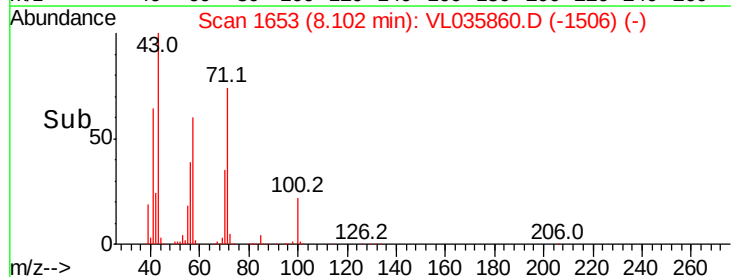
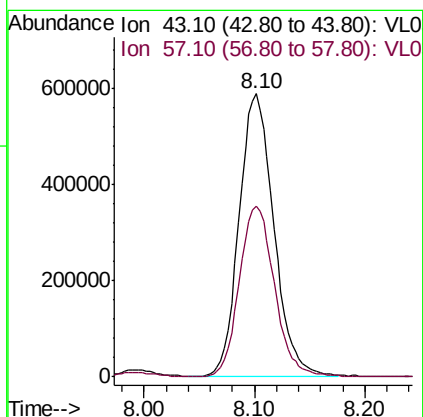
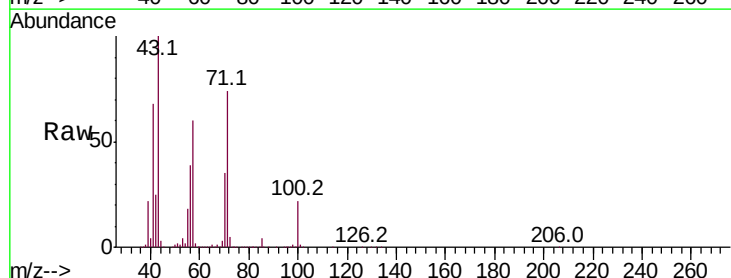
Acq: 5 Nov 2020 13:57

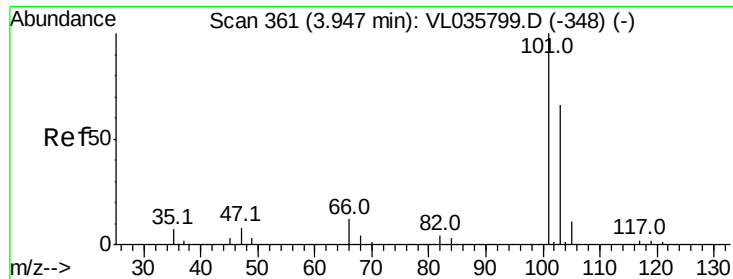
Tgt Ion: 43 Resp: 1277112

Ion Ratio Lower Upper

43 100

57 61.6 50.0 75.0





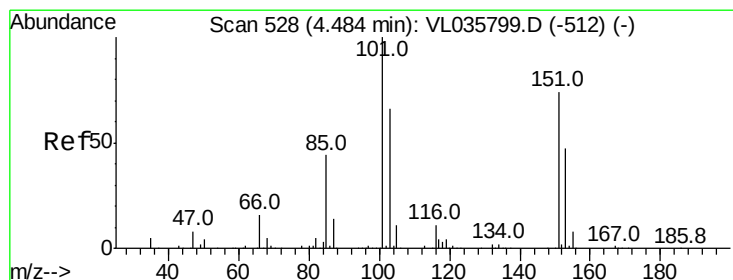
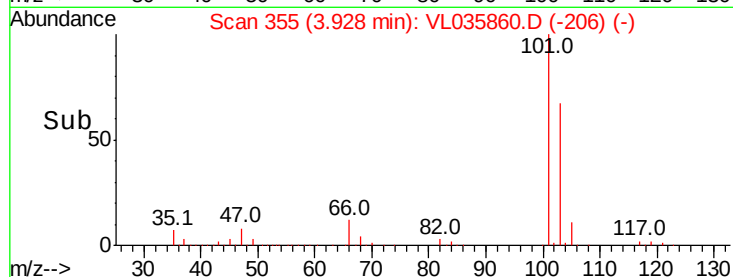
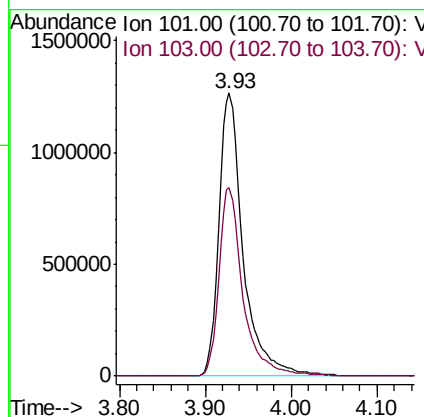
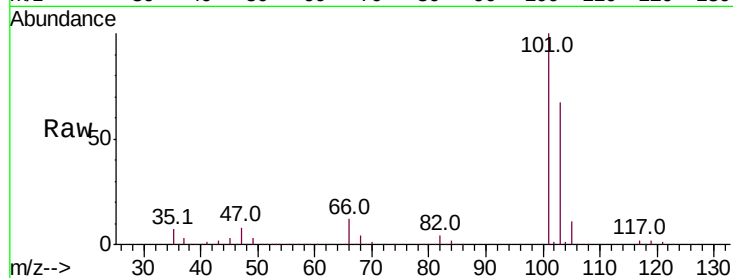
#11
 Trichlorofluoromethane
 Concen: 11.072 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1105ABS01

Tot Ion:101 Resp: 2488009
 Ion Ratio Lower Upper
 101 100
 103 66.7 53.0 79.4

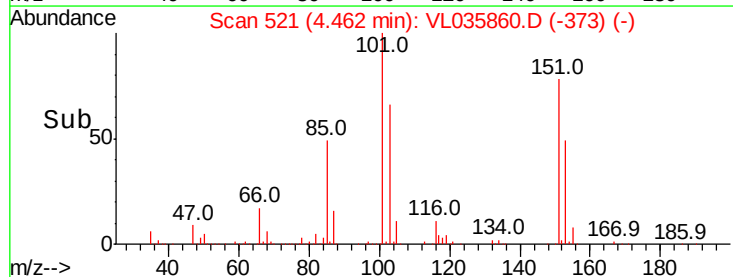
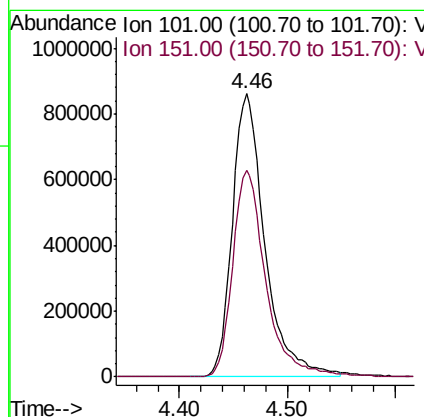
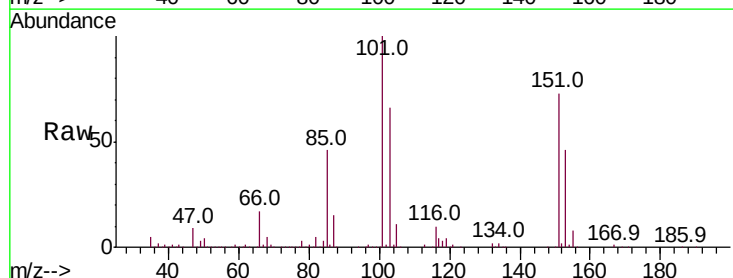
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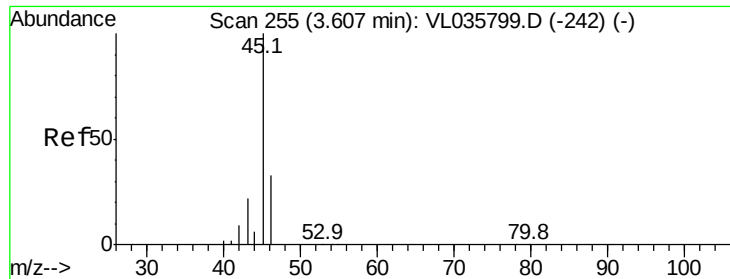
MMDadoda
 11/9/2020 1:38:36 PM



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 10.784 ppbv
 RT: 4.46 min Scan# 521
 Delta R.T. -0.02 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Tgt Ion:101 Resp: 1804131
 Ion Ratio Lower Upper
 101 100
 151 74.7 58.9 88.3





#13

Ethanol

Concen: 7.142 ppbv m

RT: 3.58 min Scan# 247

Delta R.T. -0.03 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion: 45 Resp: 64553

Ion Ratio Lower Upper

45 100

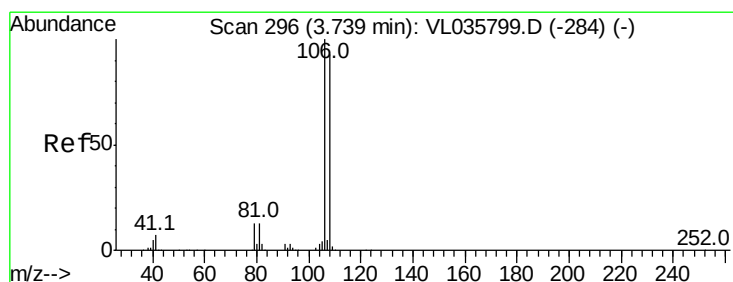
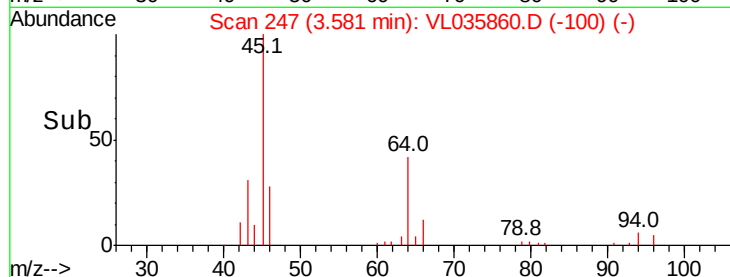
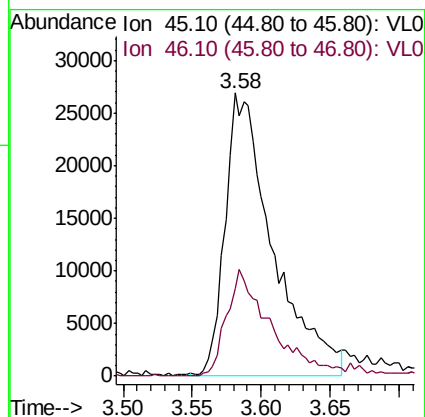
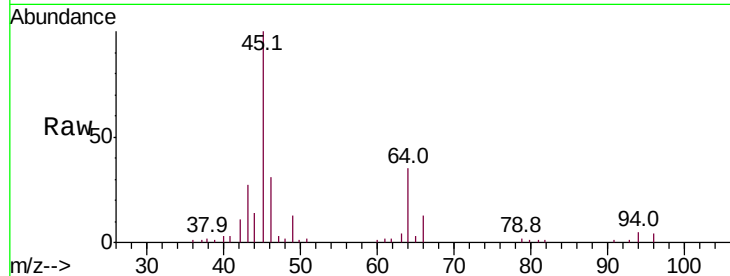
46 37.5 16.1 64.5

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#14

Bromoethene

Concen: 9.926 ppbv

RT: 3.72 min Scan# 289

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

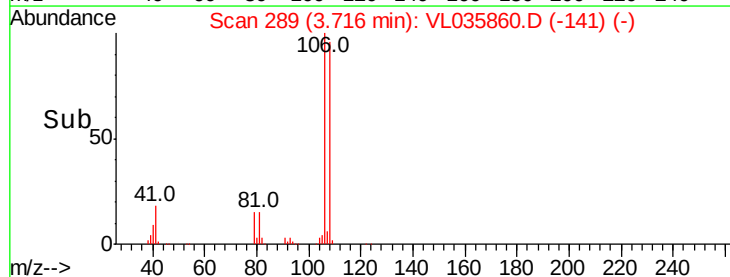
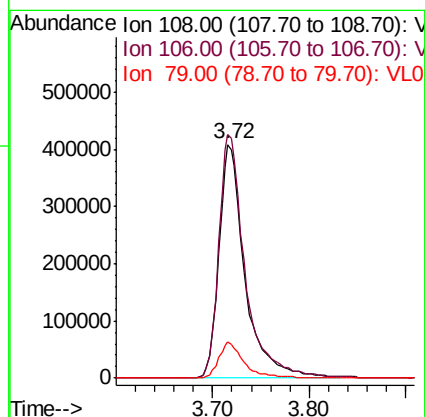
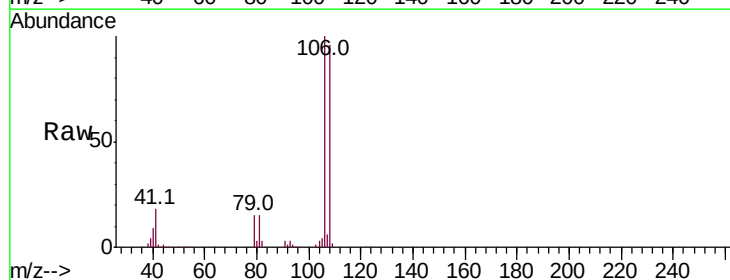
Tgt Ion: 108 Resp: 764267

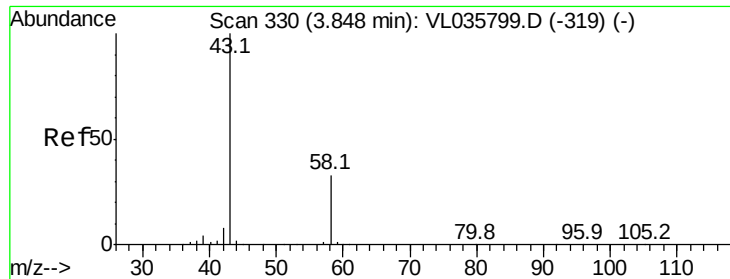
Ion Ratio Lower Upper

108 100

106 106.2 85.3 127.9

79 15.5 11.6 17.4





#15

Acetone

Concen: 9.692 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion: 43 Resp: 984902

Ion Ratio Lower Upper

43 100

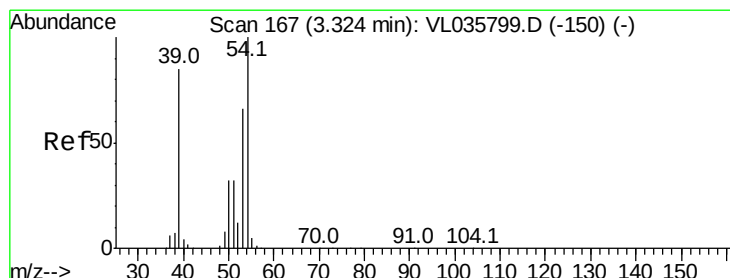
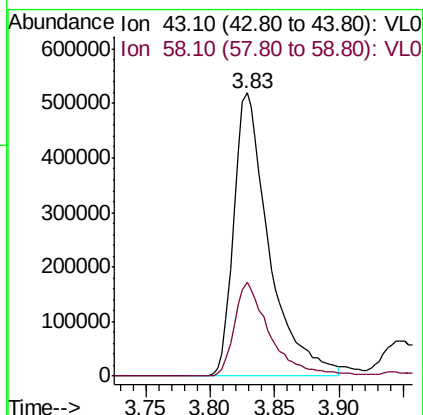
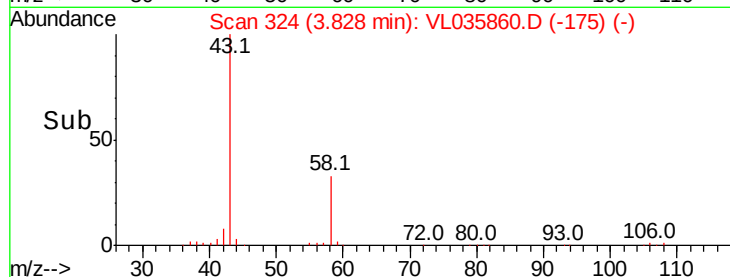
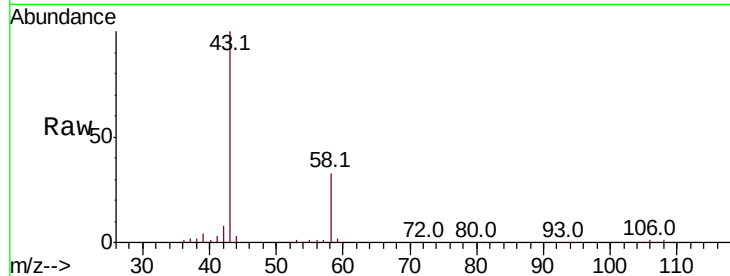
58 33.5 27.5 41.3

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#16

1,3-Butadiene

Concen: 10.596 ppbv

RT: 3.30 min Scan# 161

Delta R.T. -0.02 min

Lab File: VL035860.D

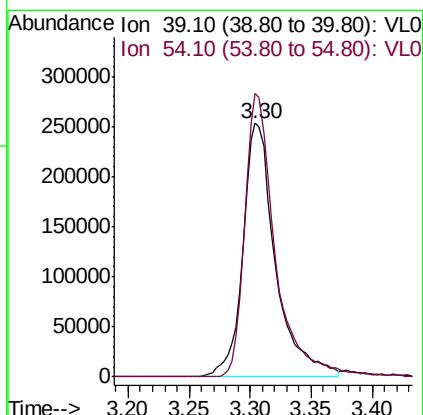
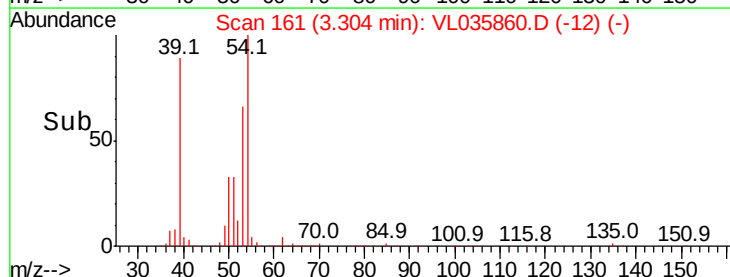
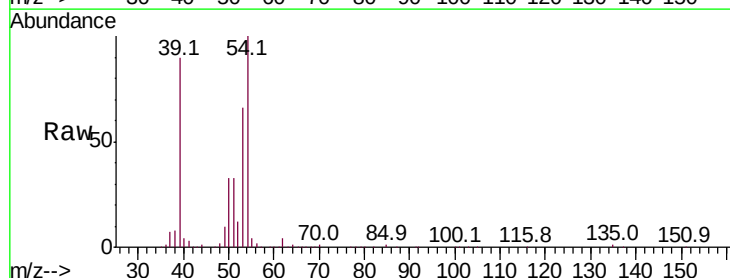
Acq: 5 Nov 2020 13:57

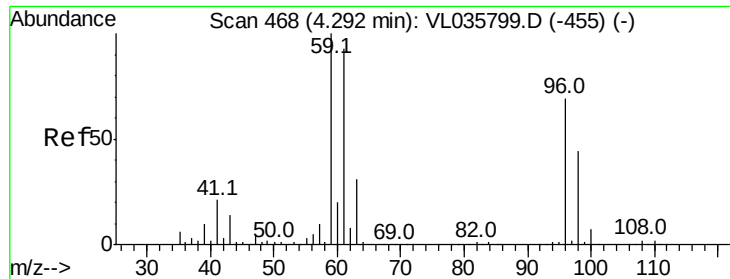
Tgt Ion: 39 Resp: 463569

Ion Ratio Lower Upper

39 100

54 105.9 87.1 130.7





#17

tert-Butyl alcohol

Concen: 8.436 ppbv

RT: 4.27 min Scan# 461

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Tot Ion: 59 Resp: 1136083

Ion Ratio Lower Upper

59 100

57 10.4 8.2 12.4

Instrument :

MSVOA_L

ClientSampleID :

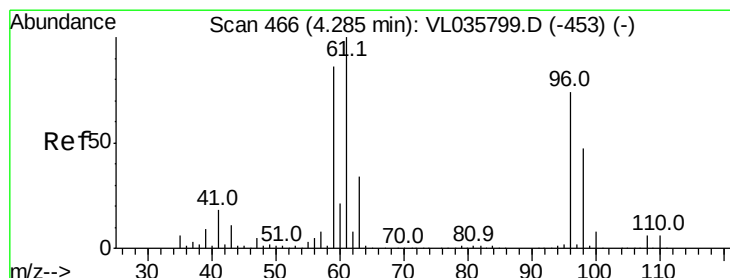
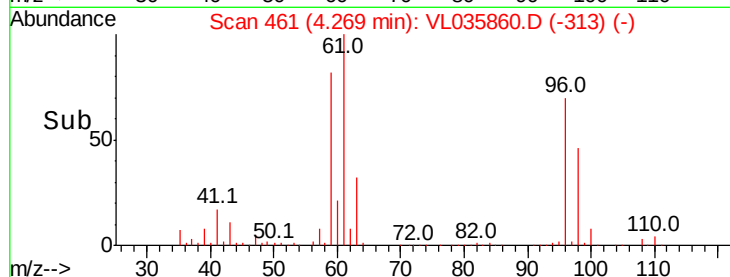
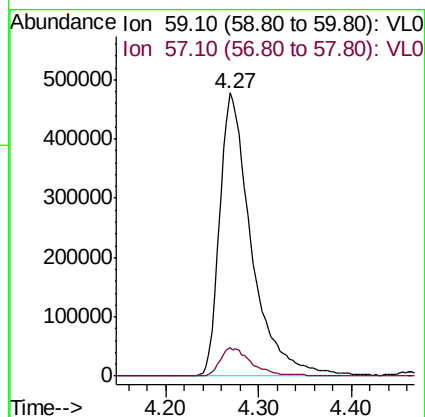
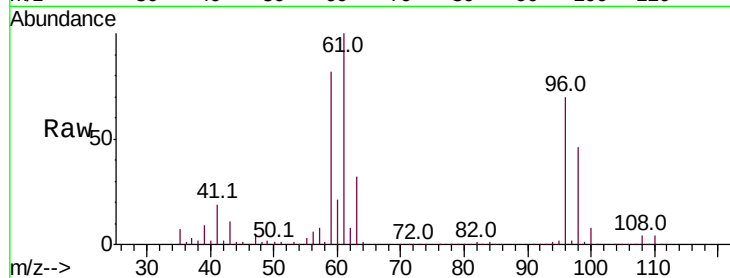
VL1105ABS01

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#18

1,1-Dichloroethene

Concen: 10.557 ppbv

RT: 4.27 min Scan# 460

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

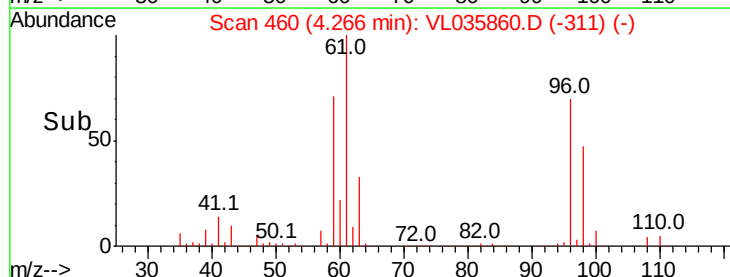
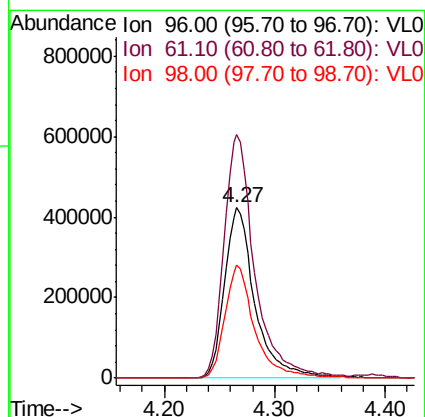
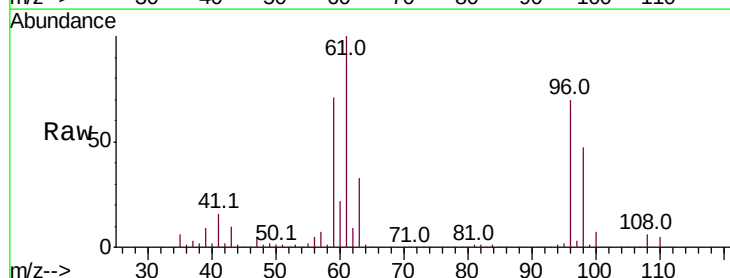
Tgt Ion: 96 Resp: 810906

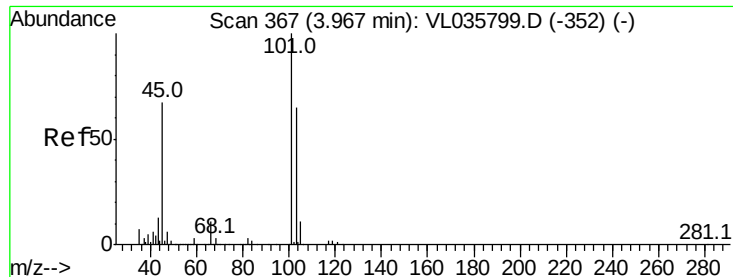
Ion Ratio Lower Upper

96 100

61 142.9 108.5 162.7

98 66.5 50.7 76.1





#19

Isopropyl Alcohol

Concen: 7.979 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion: 45 Resp: 498266

Ion Ratio Lower Upper

45 100

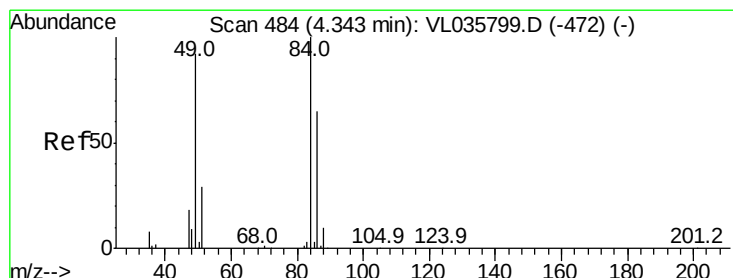
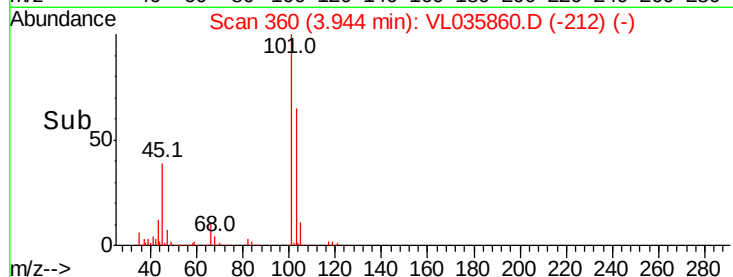
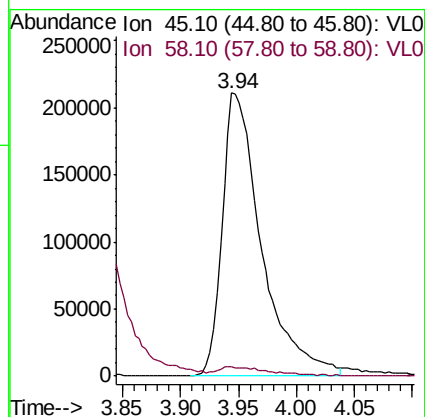
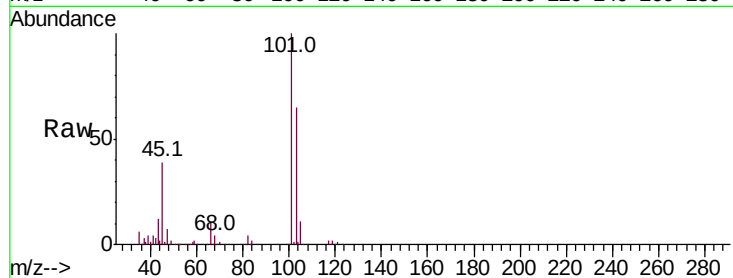
58 4.5 2.6 3.8#

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#20

Methylene Chloride

Concen: 9.387 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Tgt Ion: 84 Resp: 671530

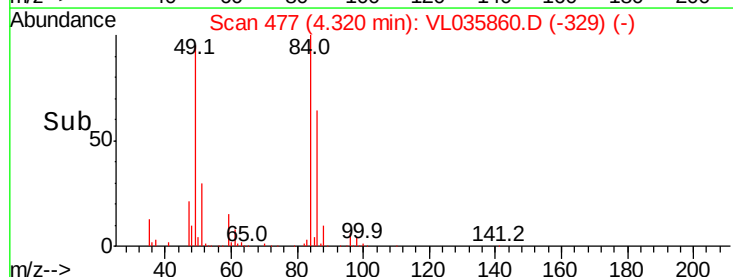
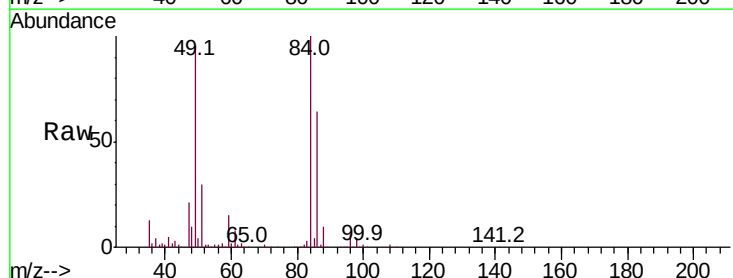
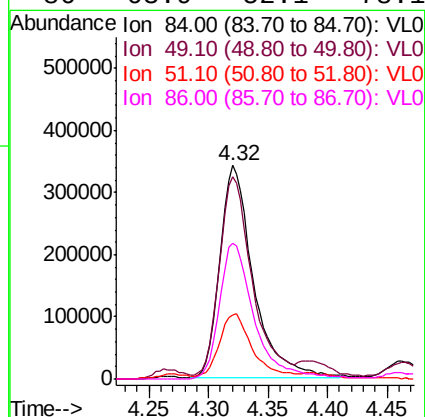
Ion Ratio Lower Upper

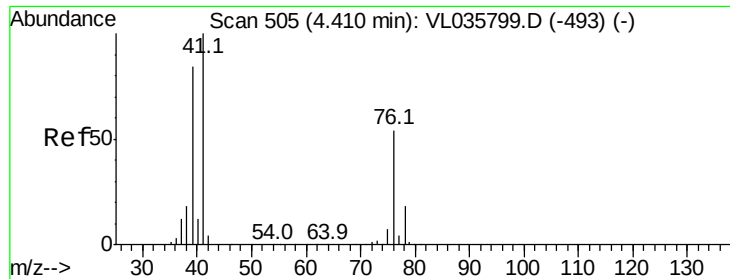
84 100

49 93.4 73.8 110.8

51 29.2 23.0 34.4

86 63.9 52.1 78.1





#21

Allvl Chloride

Concen: 10.862 ppbv

RT: 4.39 min Scan# 499

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

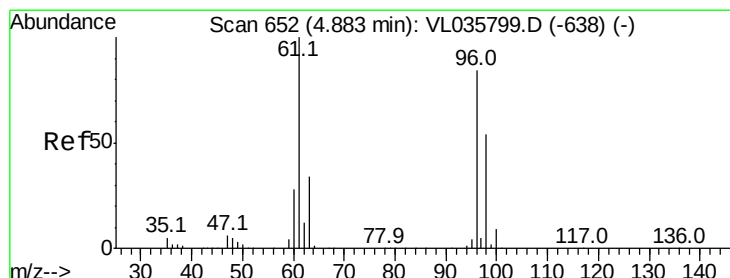
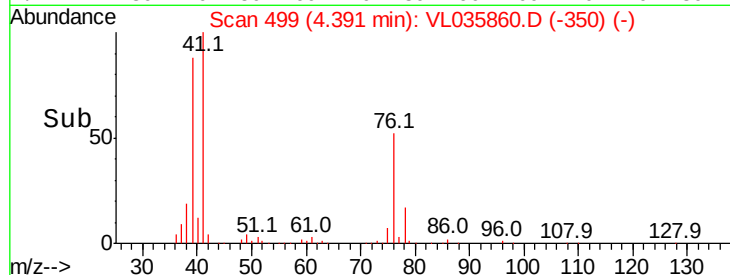
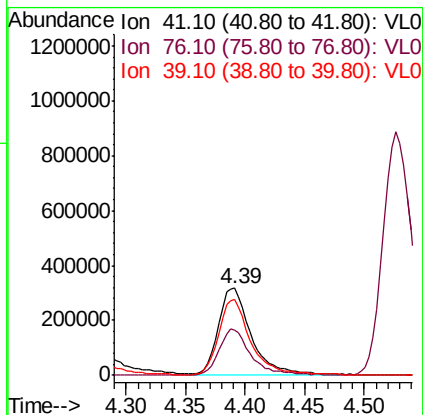
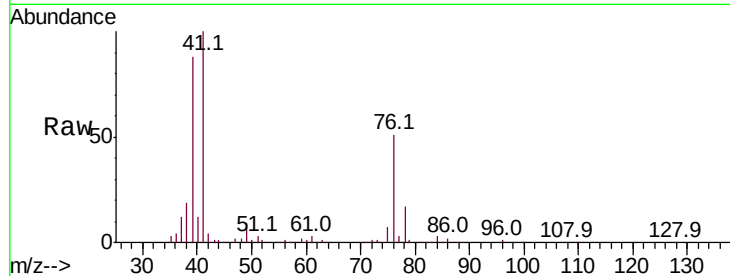
ClientSampleId :

VL1105ABS01

Tot Ion:	41	Resp:	596878
Ion	Ratio	Lower	Upper
41	100		
76	52.3	42.6	63.8
39	86.3	67.0	100.4

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#22

trans-1,2-Dichloroethene

Concen: 10.624 ppbv

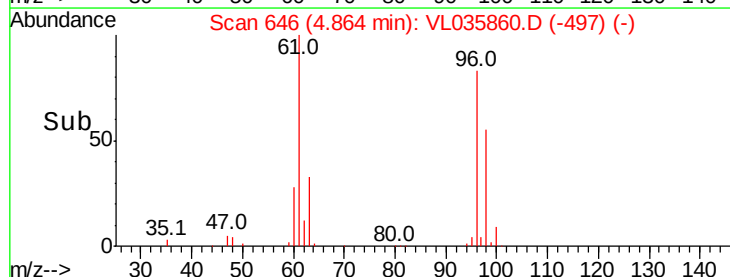
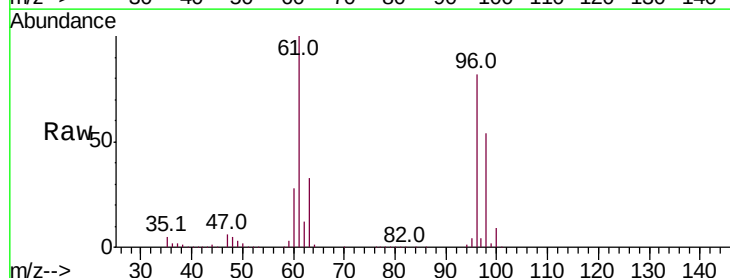
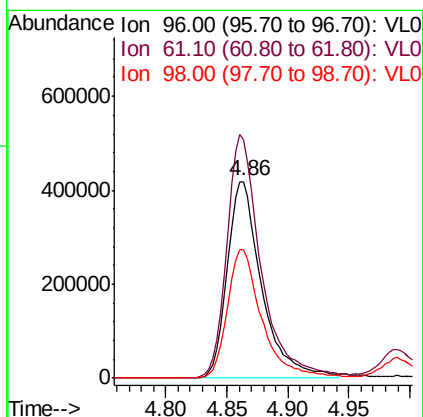
RT: 4.86 min Scan# 646

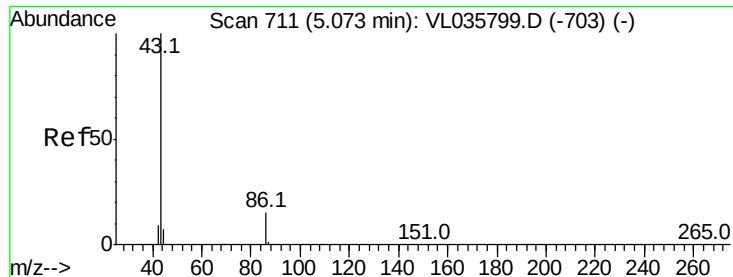
Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Tgt Ion:	96	Resp:	827319
Ion	Ratio	Lower	Upper
96	100		
61	121.4	95.4	143.0
98	65.6	51.8	77.6





#23

Vinyl Acetate

Concen: 9.586 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleID :

VL1105ABS01

Tot Ion: 43 Resp: 1365410

Ion Ratio Lower Upper

43 100

86 11.4 9.8 14.6

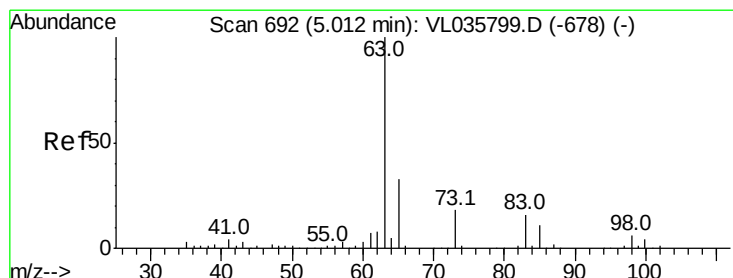
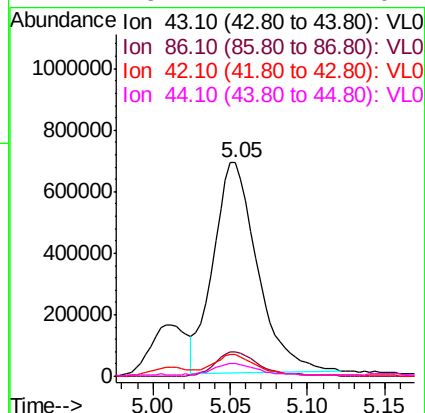
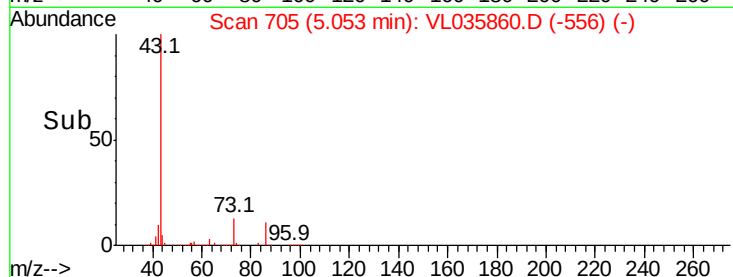
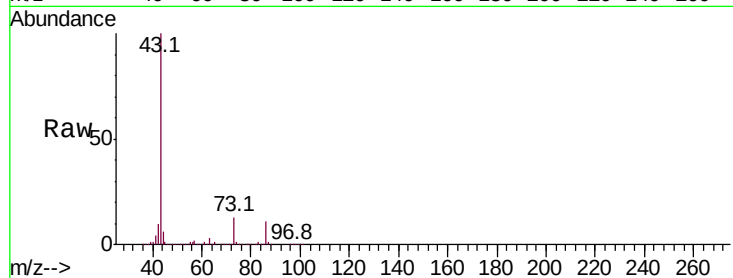
42 10.1 8.1 12.1

44 5.4 4.2 6.4

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#24

1,1-Dichloroethane

Concen: 10.260 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

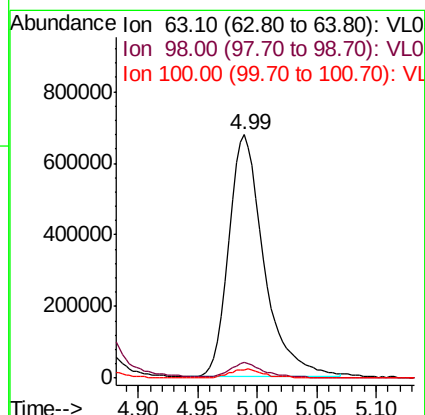
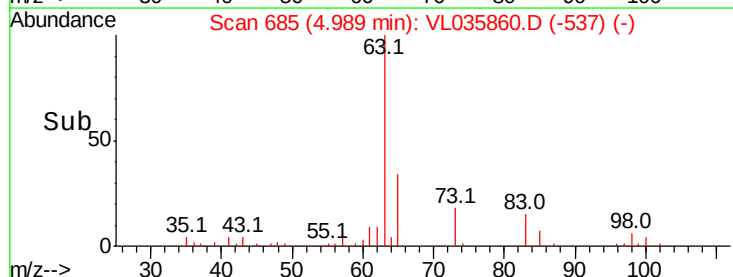
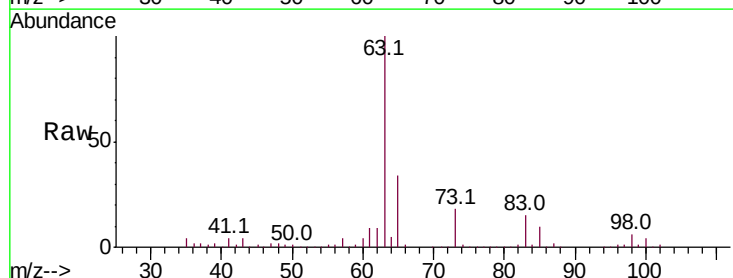
Tgt Ion: 63 Resp: 1392371

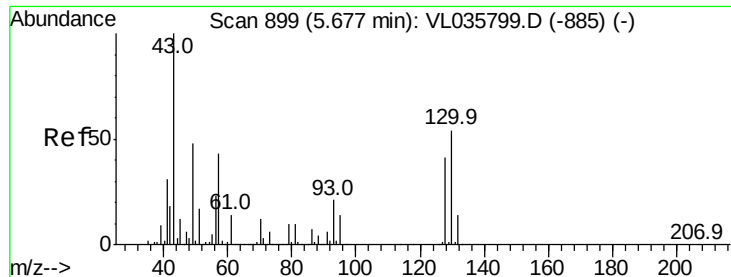
Ion Ratio Lower Upper

63 100

98 6.2 3.0 9.2

100 3.5 1.8 5.4





#25

Ethyl Acetate

Concen: 10.791 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion: 43 Resp: 2160151

Ion Ratio Lower Upper

43 100

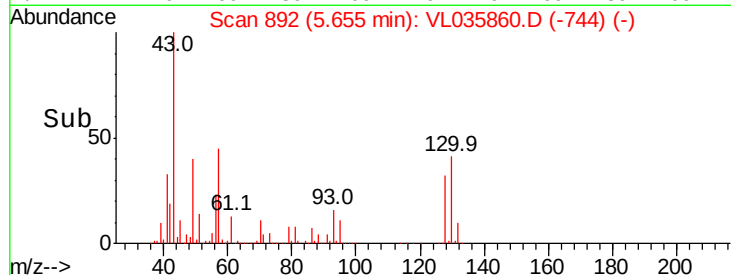
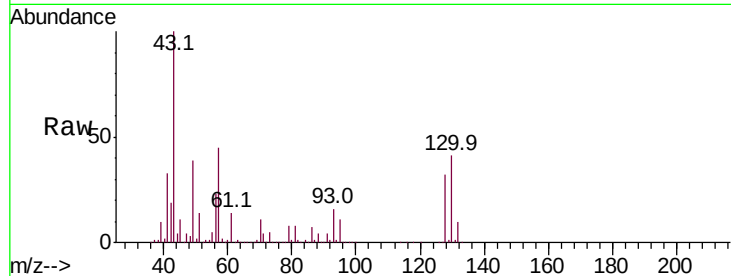
45 10.6 8.5 12.7

61 13.1 10.7 16.1

70 10.2 8.6 12.8

Manual Integrations
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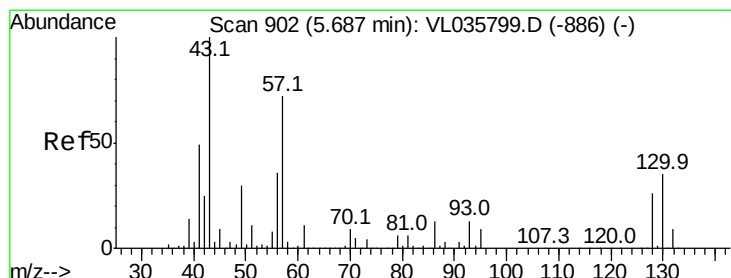
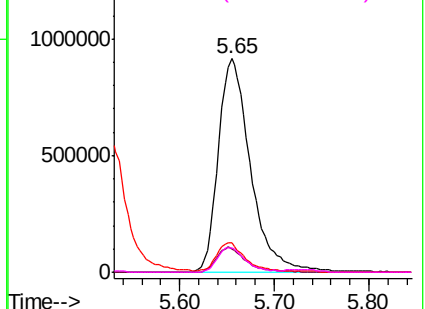


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 10.226 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Tgt Ion: 57 Resp: 1129011

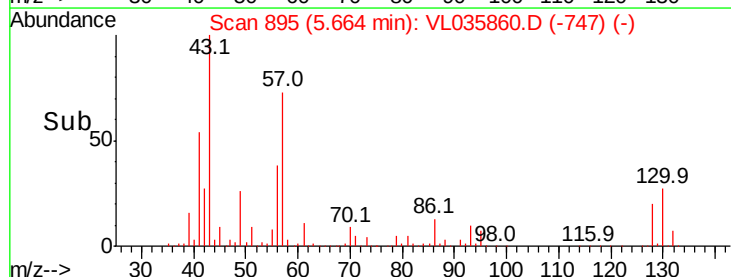
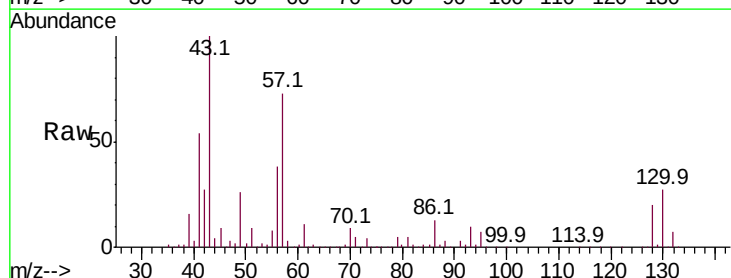
Ion Ratio Lower Upper

57 100

41 76.1 58.9 88.3

43 193.1 150.2 225.2

56 54.0 42.4 63.6

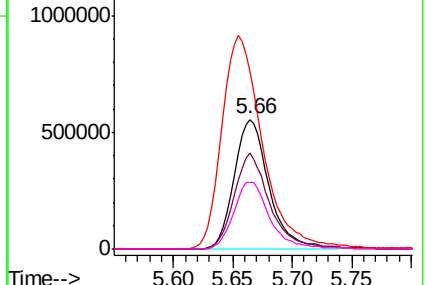


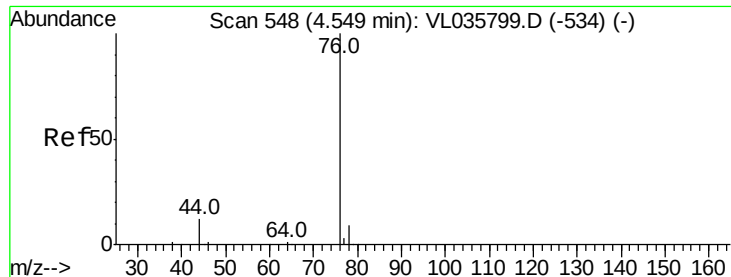
Abundance Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.501 ppbv

RT: 4.53 min Scan# 541

Delta R.T. -0.02 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion: 76 Resp: 1737195

Ion Ratio Lower Upper

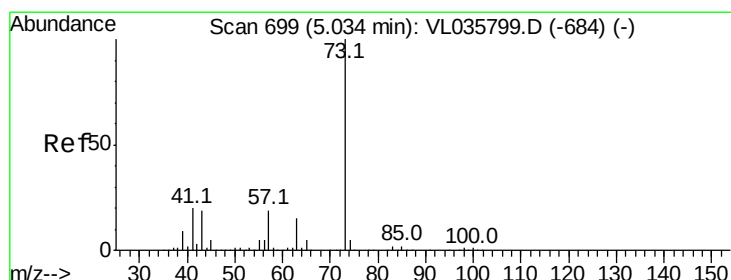
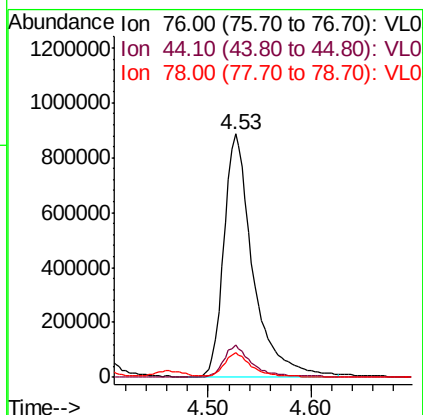
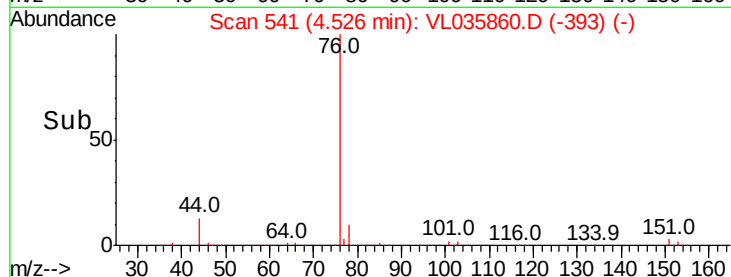
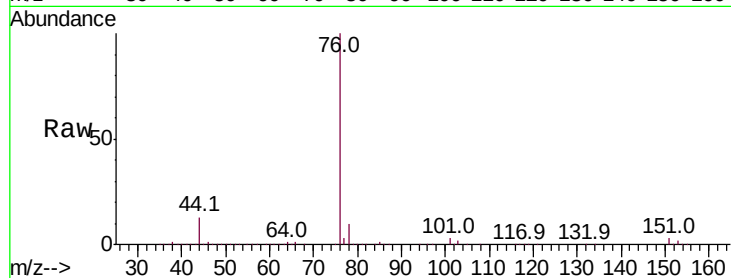
76 100

44 12.9 9.9 14.9

78 9.8 8.1 12.1

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#28

Methyl tert-Butyl Ether

Concen: 9.678 ppbv

RT: 5.01 min Scan# 692

Delta R.T. -0.02 min

Lab File: VL035860.D

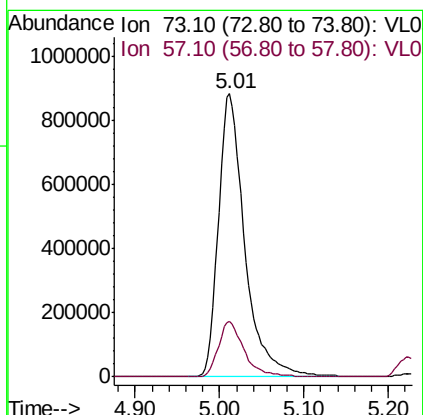
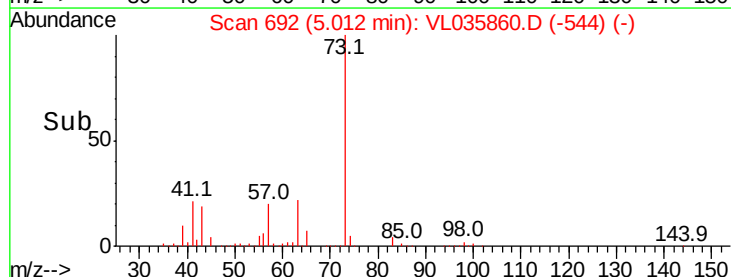
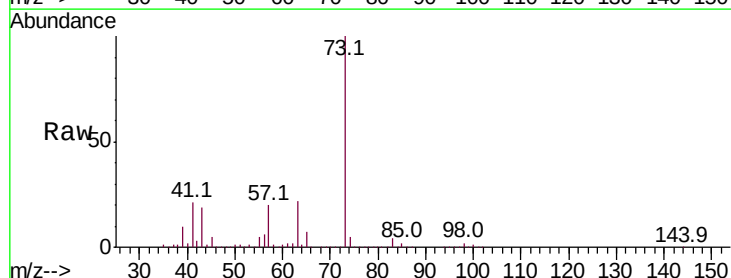
Acq: 5 Nov 2020 13:57

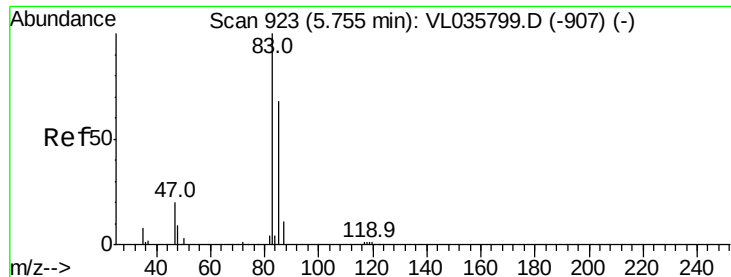
Tgt Ion: 73 Resp: 1918836

Ion Ratio Lower Upper

73 100

57 19.3 15.4 23.2





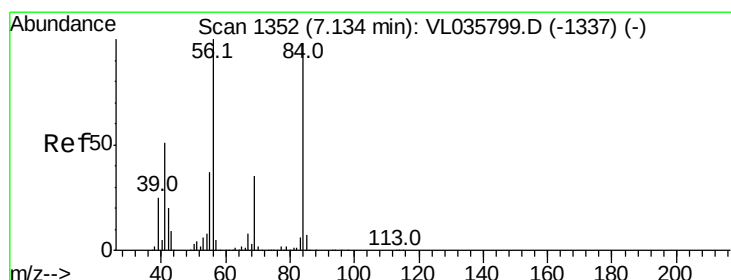
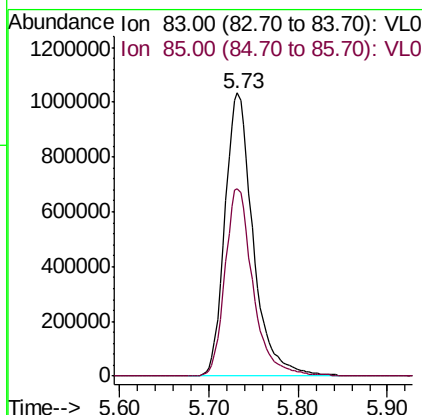
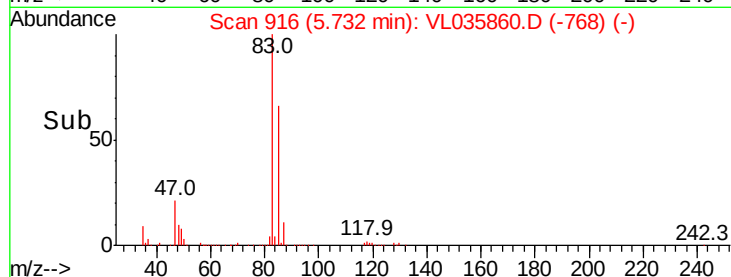
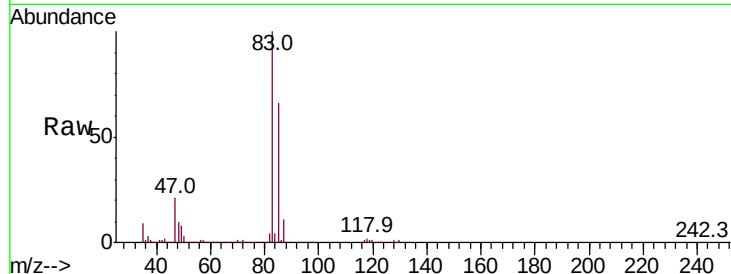
#29
Chloroform
Concen: 10.428 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VL1105ABS01

Tot Ion: 83 Resp: 2262759
Ion Ratio Lower Upper
83 100
85 65.9 54.6 81.8

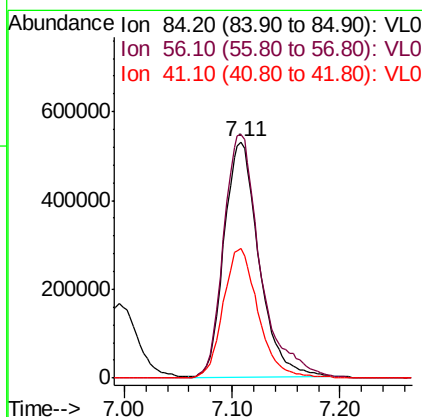
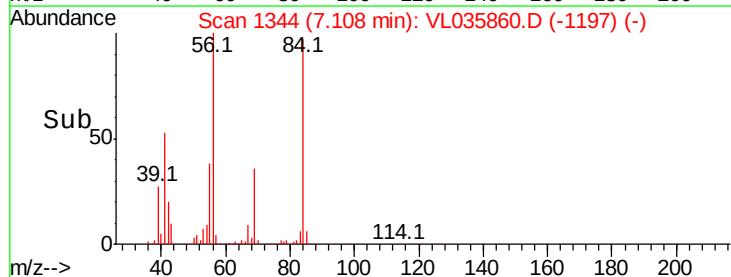
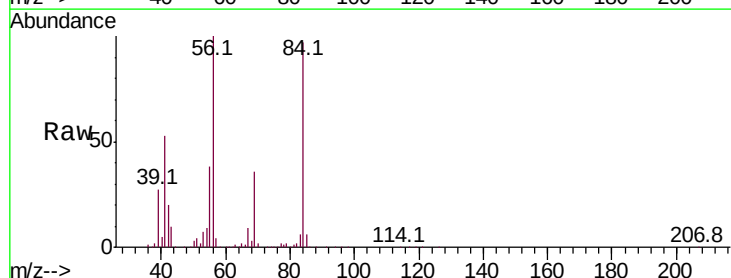
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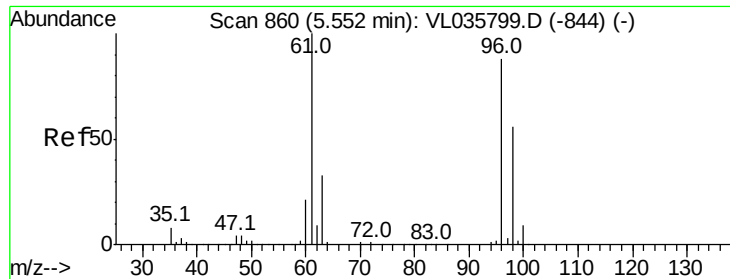
MMDadoda
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#30
Cyclohexane
Concen: 9.946 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Tgt Ion: 84 Resp: 1195986
Ion Ratio Lower Upper
84 100
56 109.6 86.4 129.6
41 55.5 42.1 63.1





#31

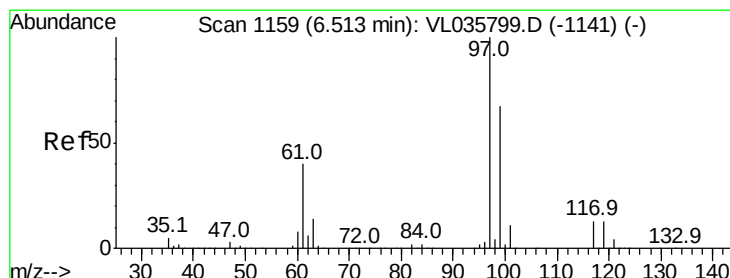
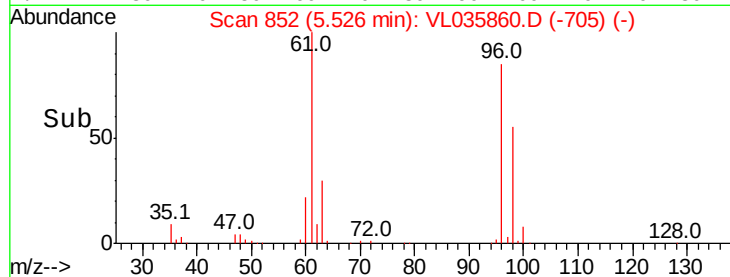
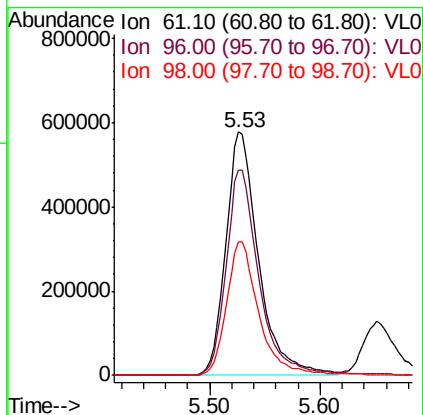
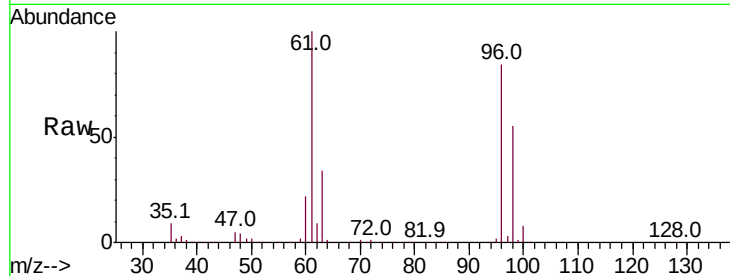
cis-1,2-Dichloroethene
Concen: 10.467 ppbv
RT: 5.53 min Scan# 852
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VL1105ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	84.1	70.3	105.5
98	54.7	45.0	67.6

Manual Integrations
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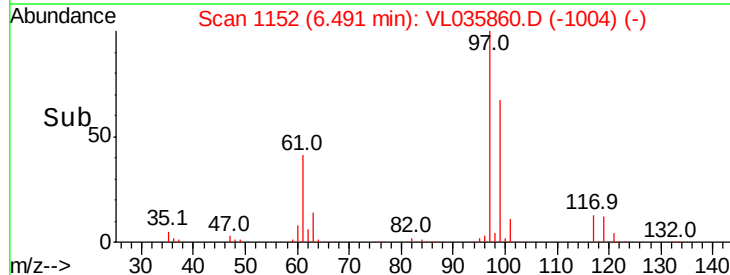
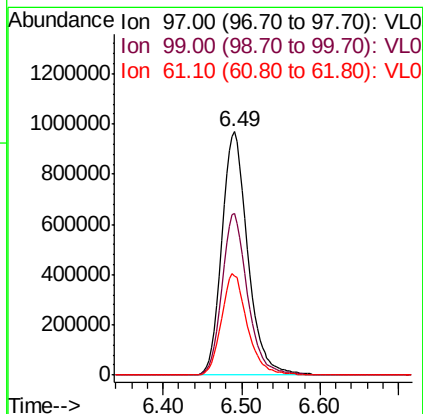
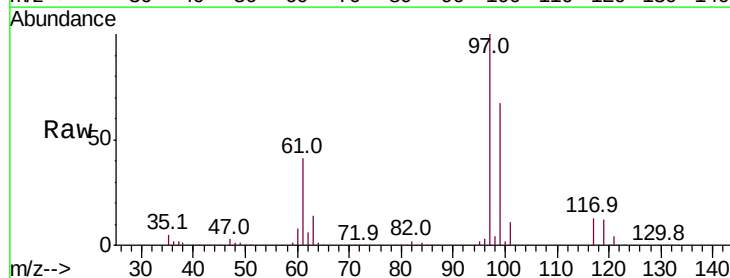
MMDadoda
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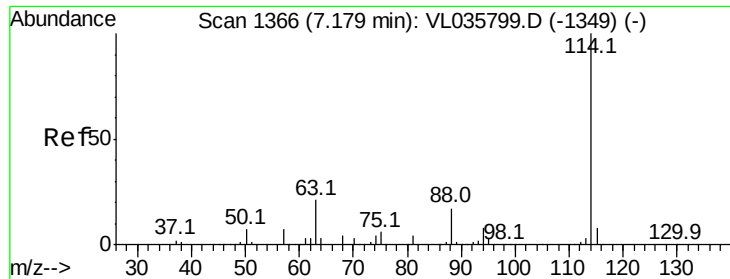


#32

1,1,1-Trichloroethane
Concen: 9.744 ppbv
RT: 6.49 min Scan# 1152
Delta R.T. -0.02 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.6	52.3	78.5
61	41.6	32.0	48.0





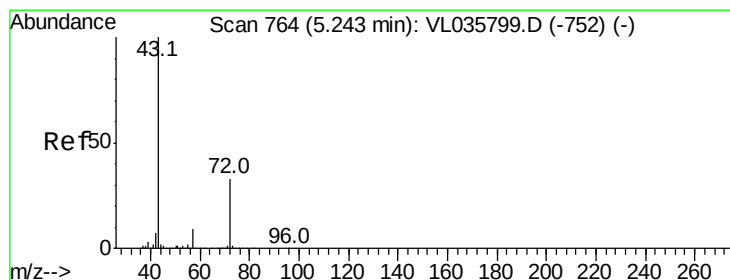
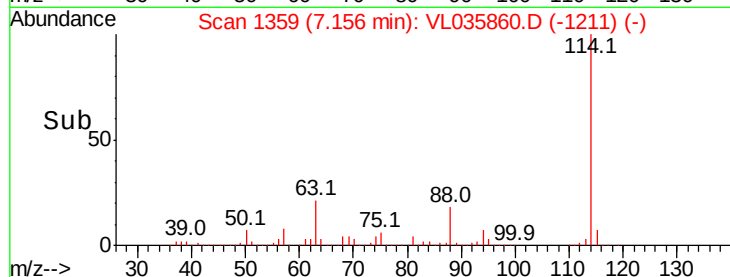
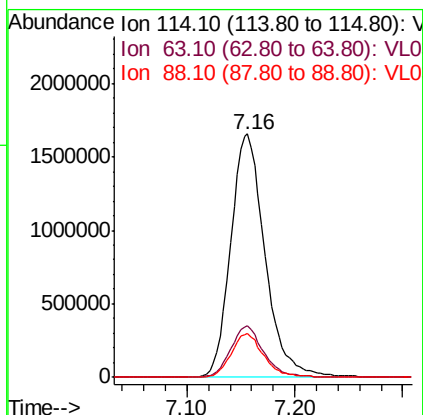
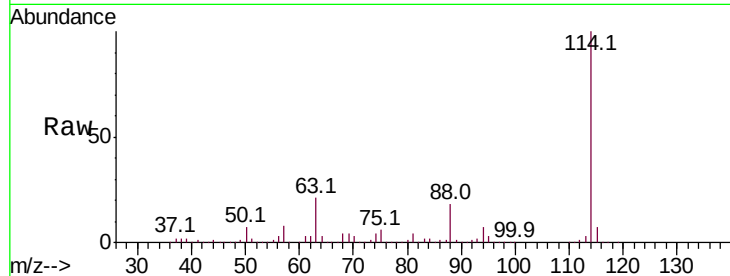
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1105ABS01

Tot Ion:114 Resp: 3662292
 Ion Ratio Lower Upper
 114 100
 63 20.7 16.1 24.1
 88 17.2 13.7 20.5

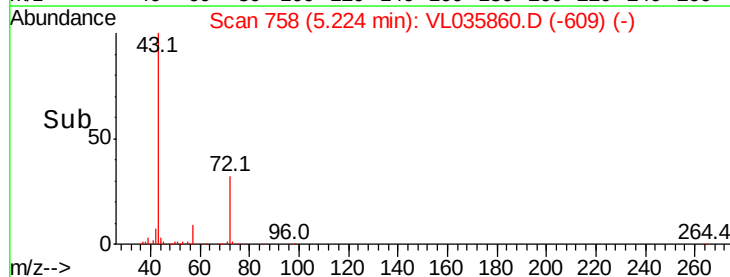
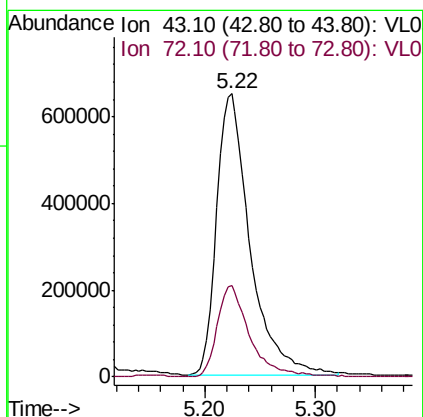
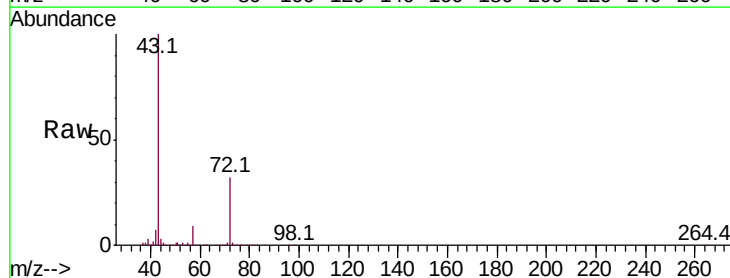
Manual Integrations
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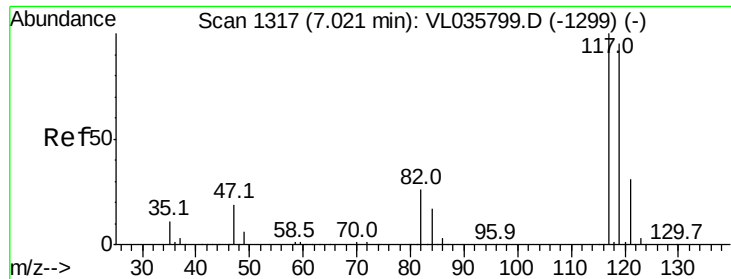
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#34
 2-Butanone
 Concen: 11.444 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Tgt Ion: 43 Resp: 1360204
 Ion Ratio Lower Upper
 43 100
 72 31.6 26.5 39.7





#35

Carbon Tetrachloride

Concen: 11.333 ppbv

RT: 7.00 min Scan# 1309

Delta R.T. -0.03 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion:117 Resp: 2217603

Ion Ratio Lower Upper

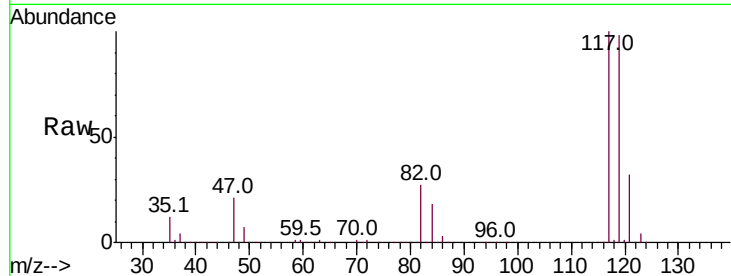
117 100

119 97.9 75.6 113.4

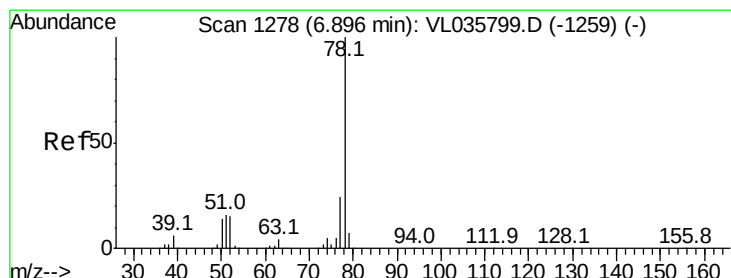
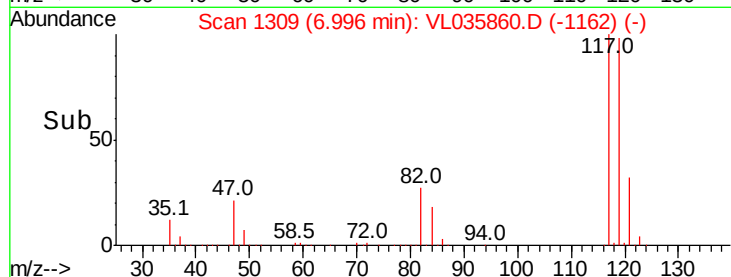
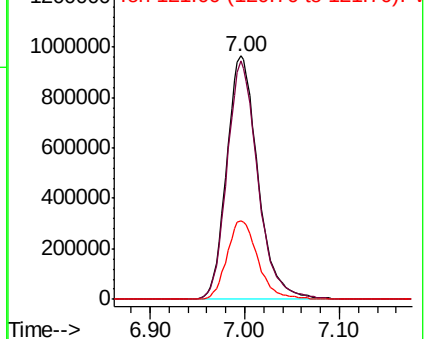
121 32.4 25.1 37.7

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Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 10.391 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.03 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

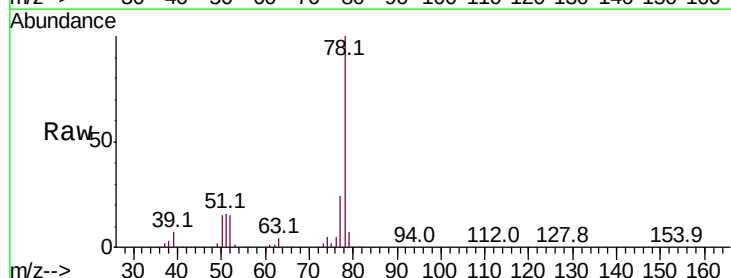
Tgt Ion: 78 Resp: 2829174

Ion Ratio Lower Upper

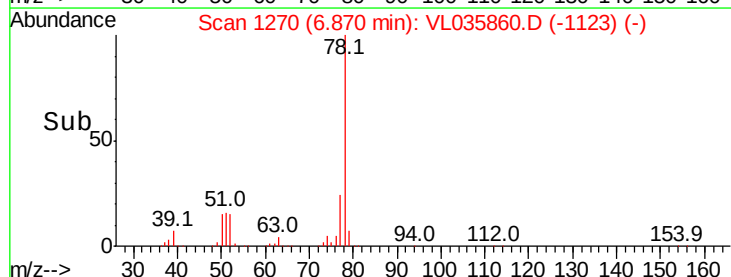
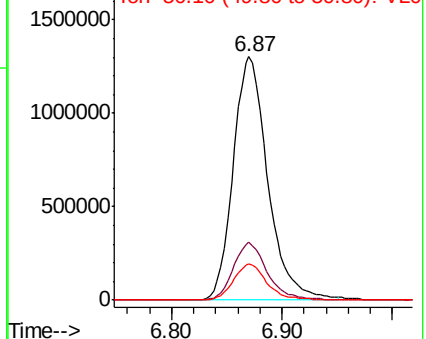
78 100

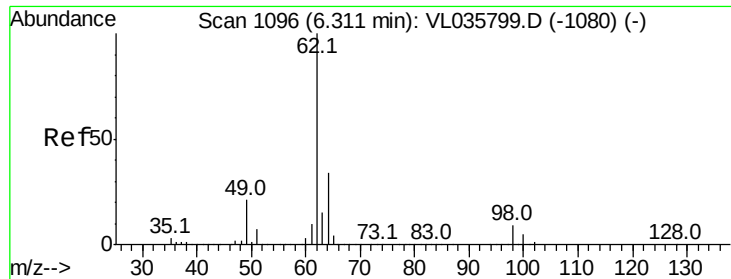
77 23.8 19.3 28.9

50 14.8 11.4 17.2



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





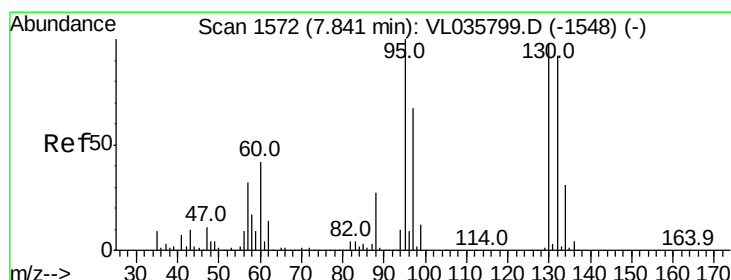
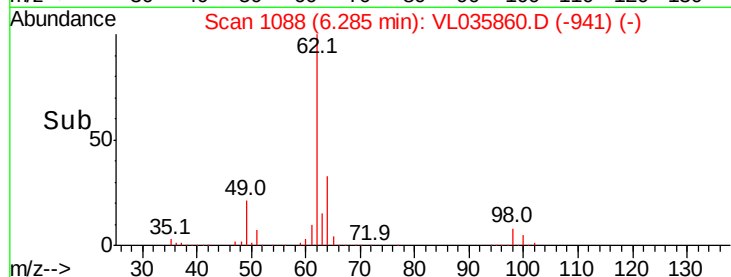
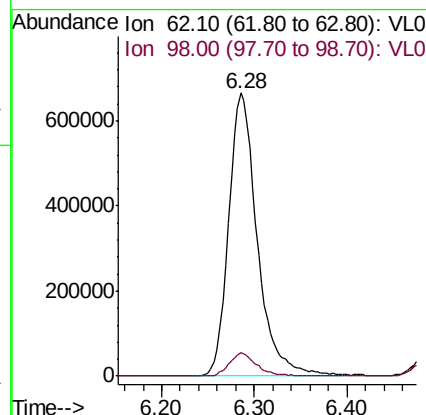
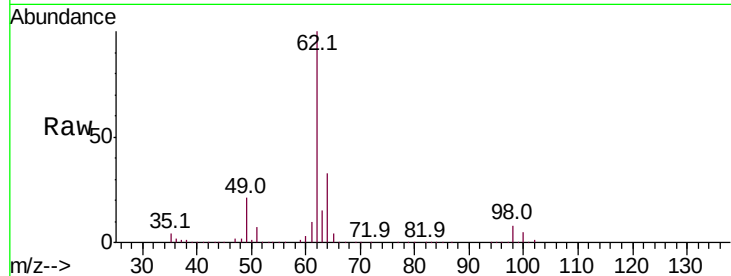
#37
 1,2-Dichloroethane
 Concen: 11.555 ppbv
 RT: 6.28 min Scan# 1088
 Delta R.T. -0.03 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1105ABS01

Tot Ion: 62 Resp: 1425197
 Ion Ratio Lower Upper
 62 100
 98 8.0 6.9 10.3

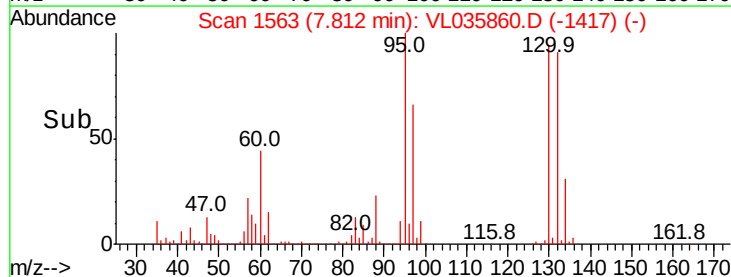
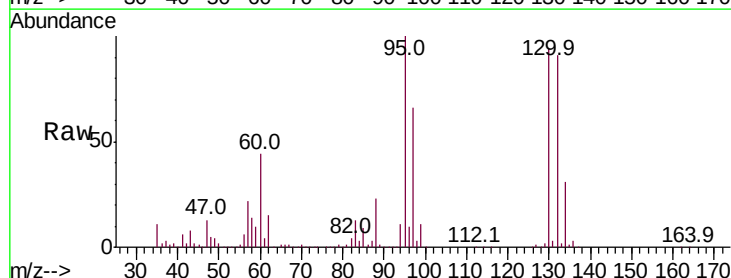
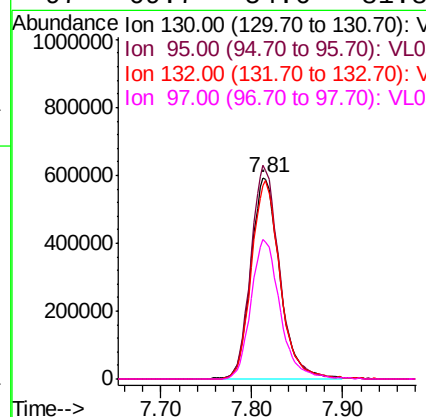
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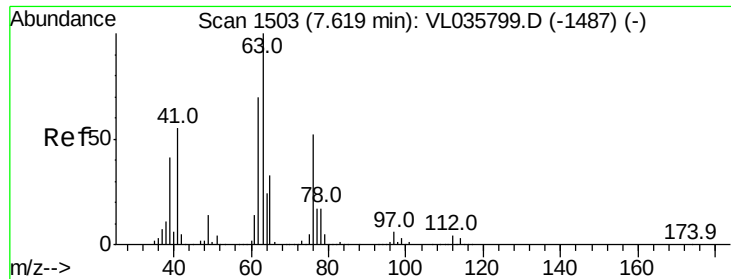
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#38
 Trichloroethene
 Concen: 9.897 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.03 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Tgt Ion: 130 Resp: 1316164
 Ion Ratio Lower Upper
 130 100
 95 106.2 81.6 122.4
 132 96.5 75.1 112.7
 97 69.7 54.6 81.8





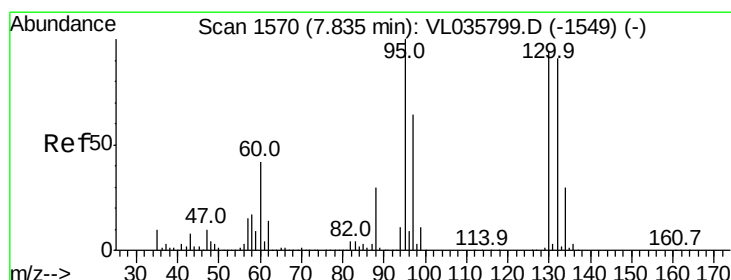
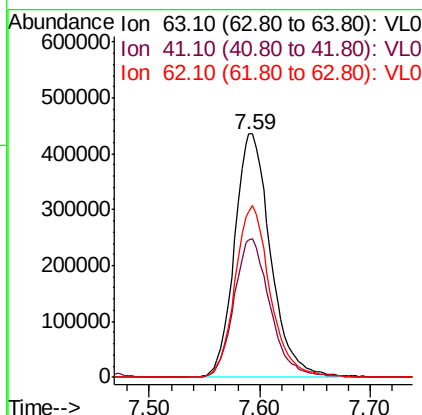
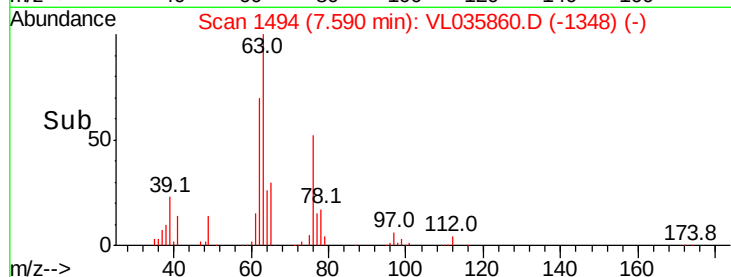
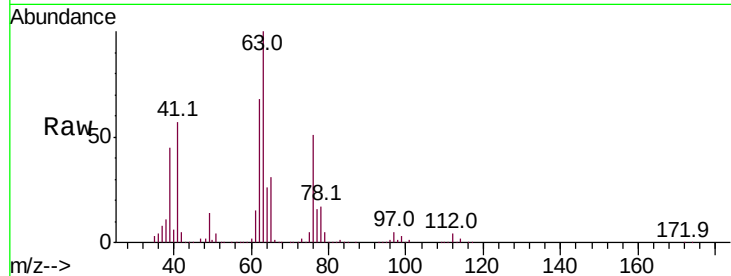
#39
 1,2-Dichloropropane
 Concen: 10.763 ppbv
 RT: 7.59 min Scan# 1494
 Delta R.T. -0.03 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1105ABS01

Tot Ion	Ratio	Lower	Upper
63	100		
41	56.4	43.8	65.6
62	68.3	56.2	84.2

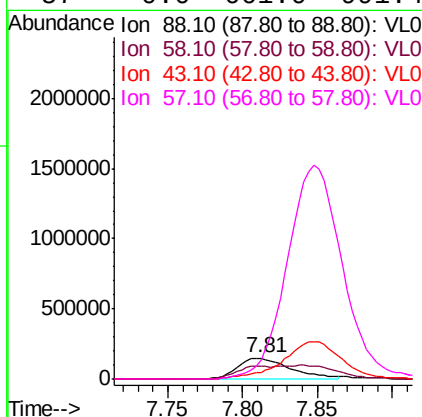
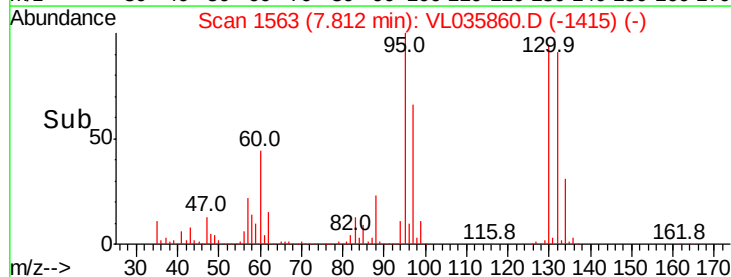
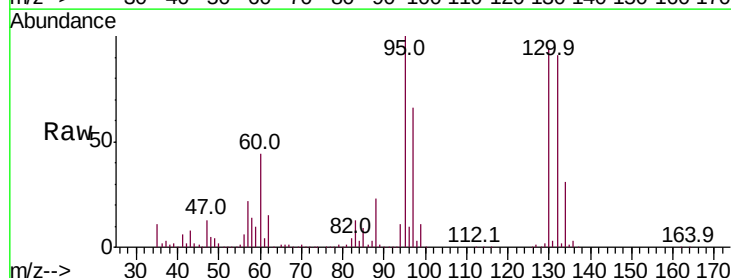
Manual Integrations
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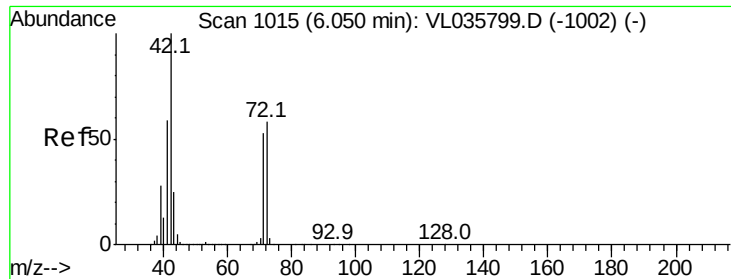
MMDadoda
 11/9/2020 1:38:36 PM



#40
 1,4-Dioxane
 Concen: 8.452 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Tgt Ion	Ratio	Lower	Upper
88	100		
58	0.0	76.2	114.2#
43	0.0	123.1	184.7#
57	0.0	661.0	991.4#





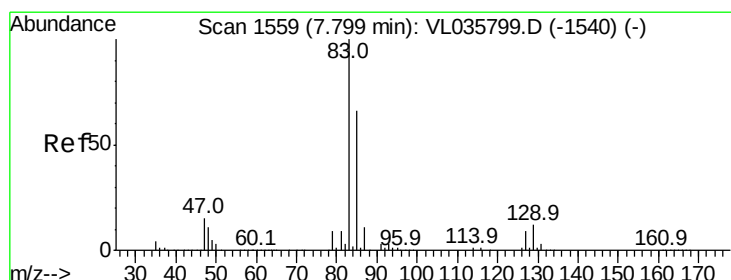
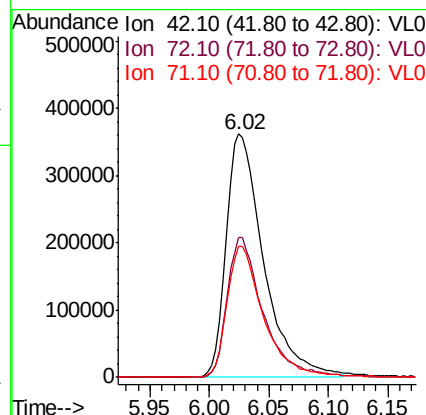
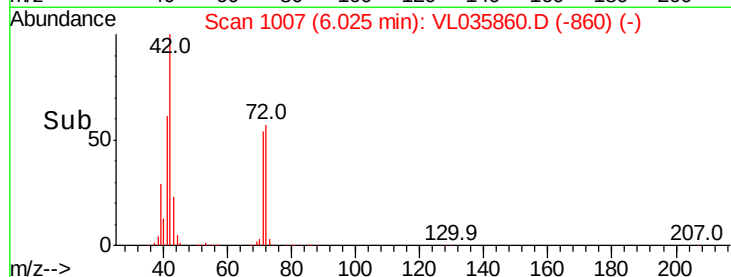
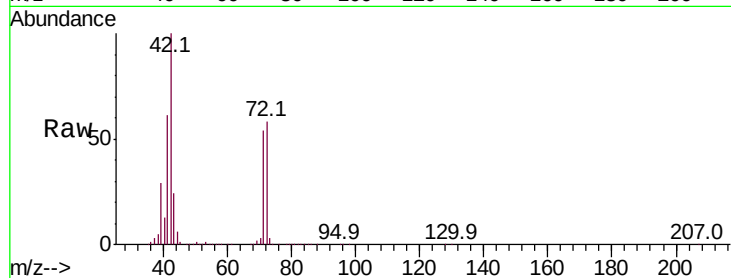
#41
Tetrahydrofuran
Concen: 11.673 ppbv
RT: 6.02 min Scan# 1007
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VL1105ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	55.9	45.4	68.0
71	53.2	43.4	65.2

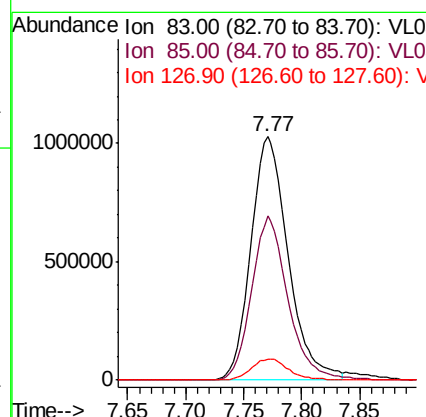
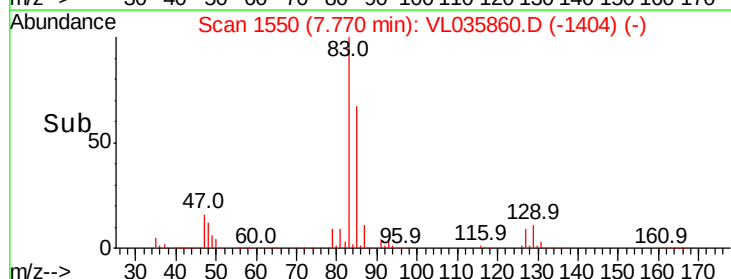
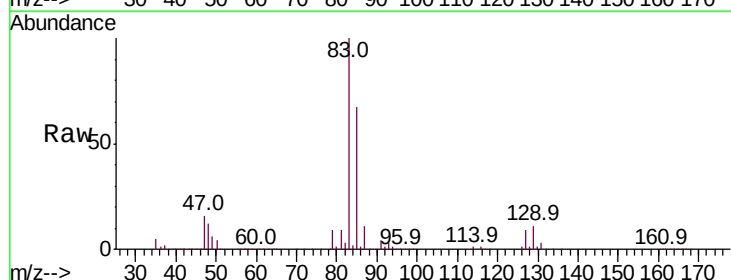
Manual Integrations
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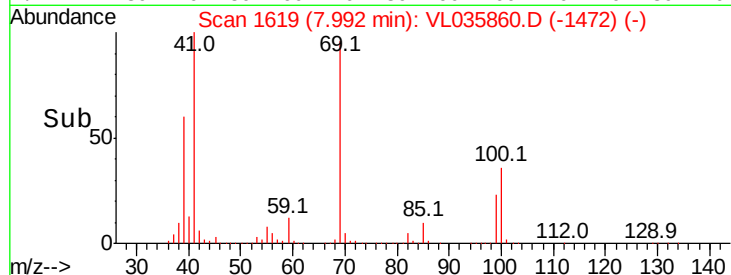
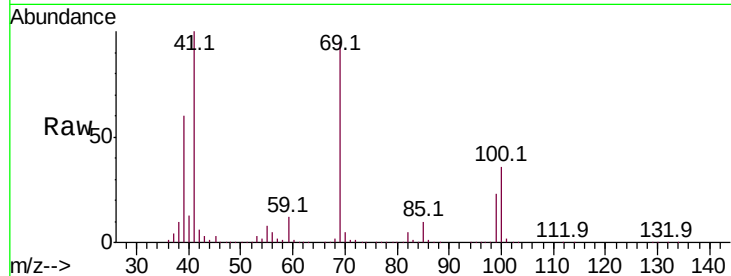
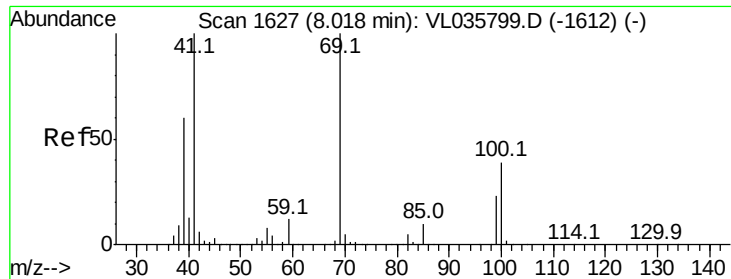
MMDadoda
11/9/2020 1:38:36 PM



#42
Bromodichloromethane
Concen: 11.075 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.2	53.1	79.7
127	8.8	7.3	10.9





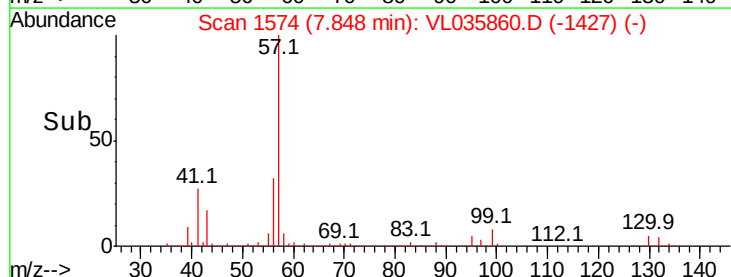
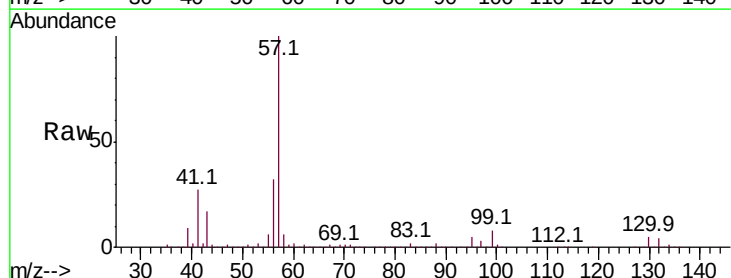
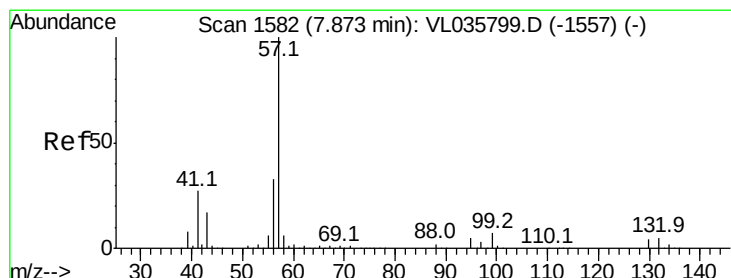
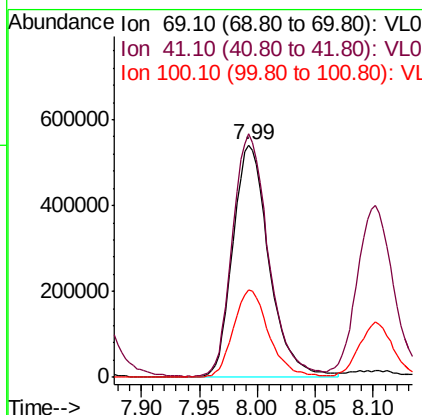
#43
Methyl Methacrylate
Concen: 11.266 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Tot Ion: 69 Resp: 1169991
Ion Ratio Lower Upper
69 100
41 104.3 81.1 121.7
100 37.2 31.0 46.4

Instrument :
MSVOA_L
ClientSampleId :
VL1105ABS01

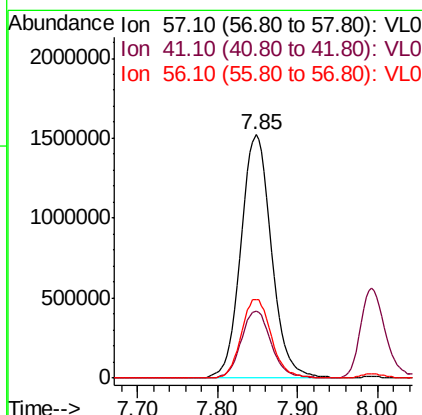
Manual Integrations
APPROVED

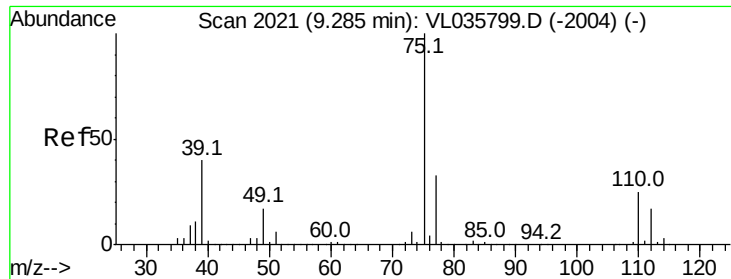
MMDadoda
11/9/2020 1:38:36 PM



#44
2,2,4-Trimethylpentane
Concen: 10.877 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Tgt Ion: 57 Resp: 3919052
Ion Ratio Lower Upper
57 100
41 27.1 21.0 31.4
56 31.9 25.4 38.0





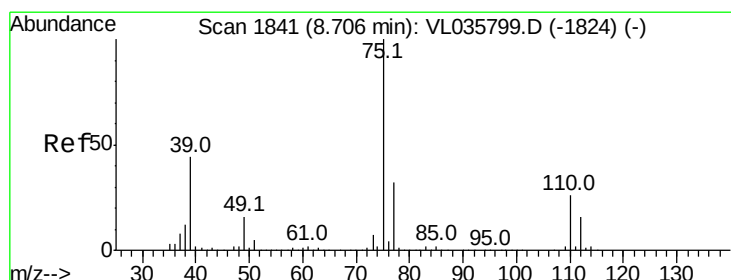
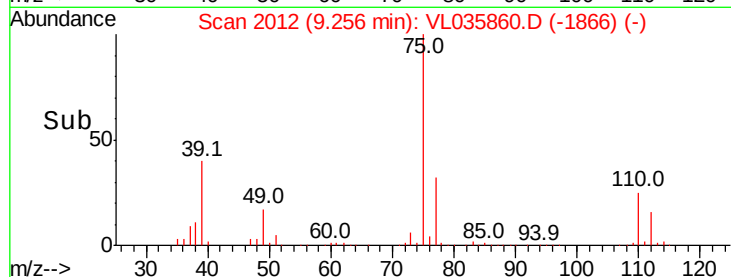
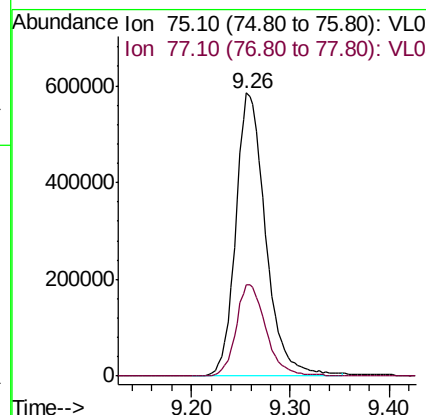
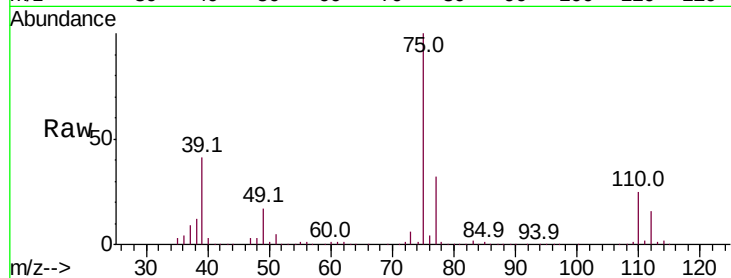
#45
t-1,3-Dichloropropene
Concen: 11.202 ppbv
RT: 9.26 min Scan# 2012
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VL1105ABS01

Tot Ion: 75 Resp: 1233260
Ion Ratio Lower Upper
75 100
77 32.1 26.4 39.6

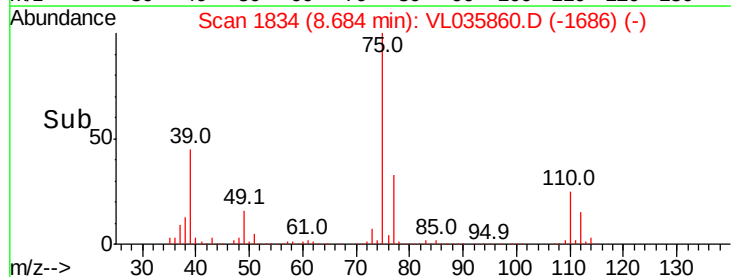
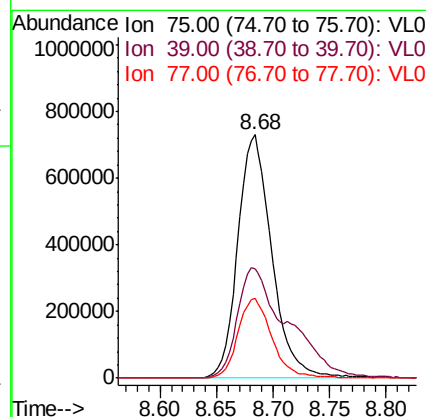
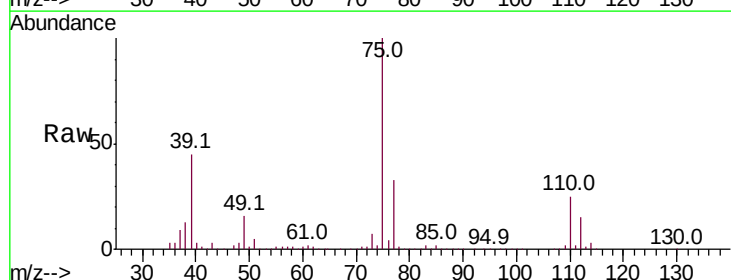
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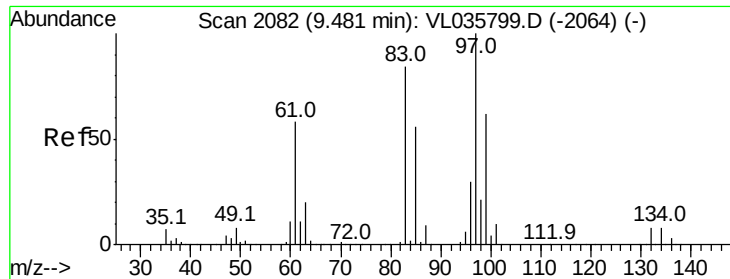
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 10.947 ppbv
RT: 8.68 min Scan# 1834
Delta R.T. -0.02 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Tgt Ion: 75 Resp: 1526254
Ion Ratio Lower Upper
75 100
39 45.0 35.1 52.7
77 32.8 25.7 38.5





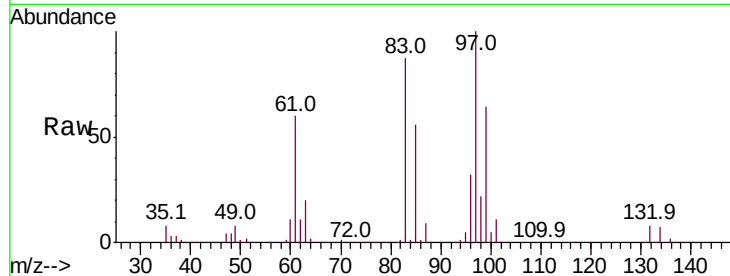
#47
 1,1,2-Trichloroethane
 Concen: 10.572 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.03 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1105ABS01

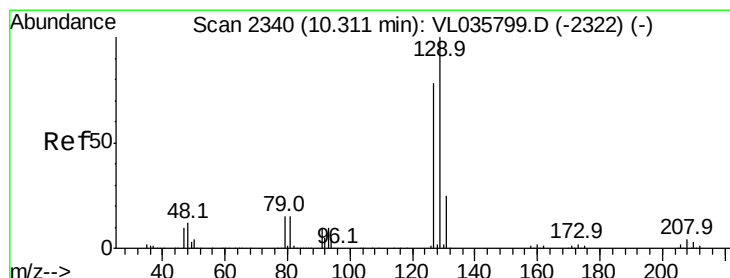
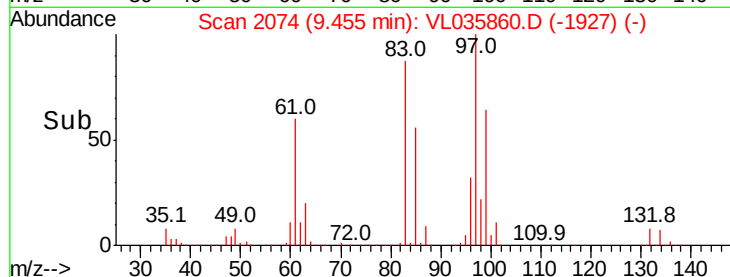
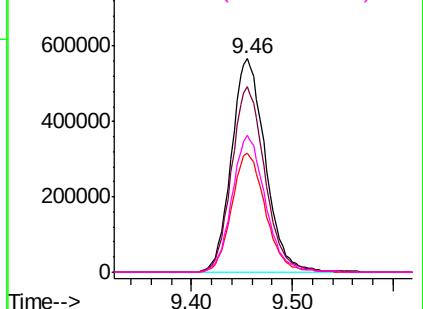
Tot Ion: 97 Resp: 1320452
 Ion Ratio Lower Upper
 97 100
 83 87.0 67.1 100.7
 85 55.7 44.7 67.1
 99 64.2 49.7 74.5

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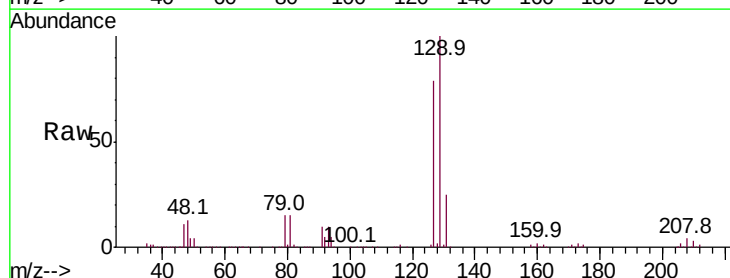


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

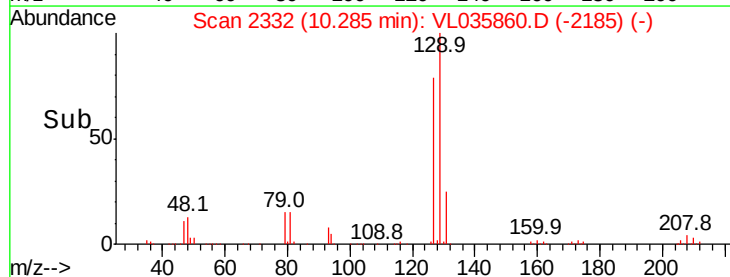
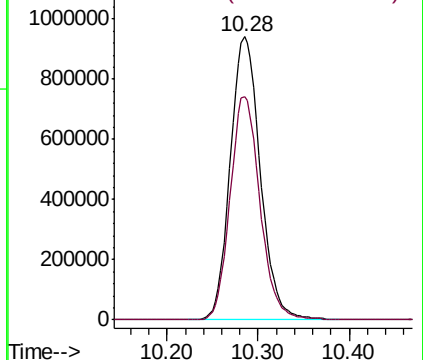


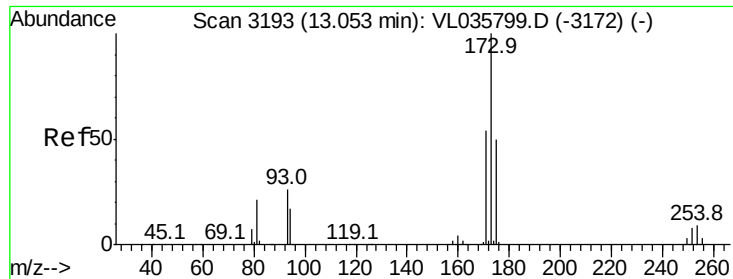
#48
 Dibromochloromethane
 Concen: 11.336 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.03 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Tgt Ion: 129 Resp: 2163141
 Ion Ratio Lower Upper
 129 100
 127 78.7 39.2 117.6



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





#49

Bromoform

Concen: 11.362 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. -0.03 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion:173 Resp: 1829483

Ion Ratio Lower Upper

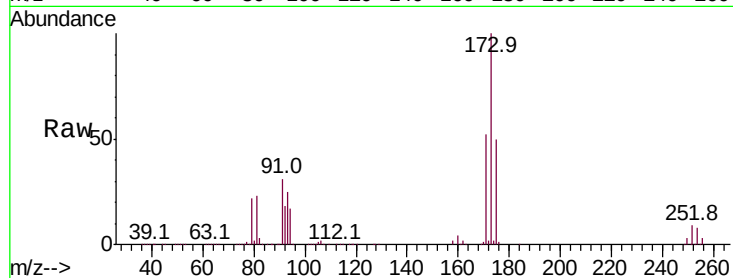
173 100

175 49.5 40.1 60.1

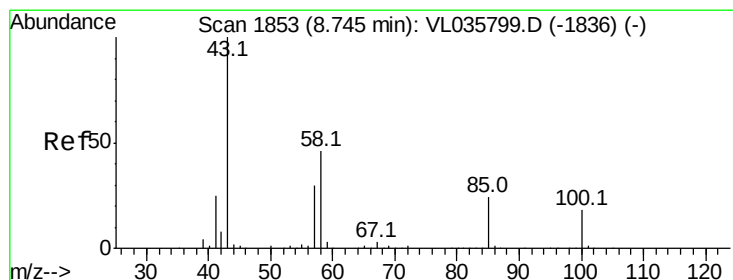
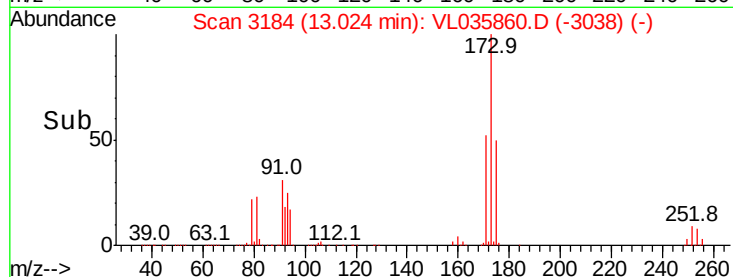
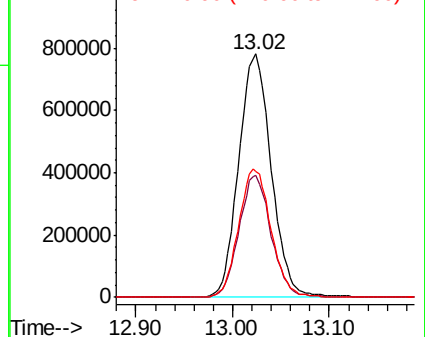
171 53.0 42.6 63.8

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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: 11.795 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.03 min

Lab File: VL035860.D

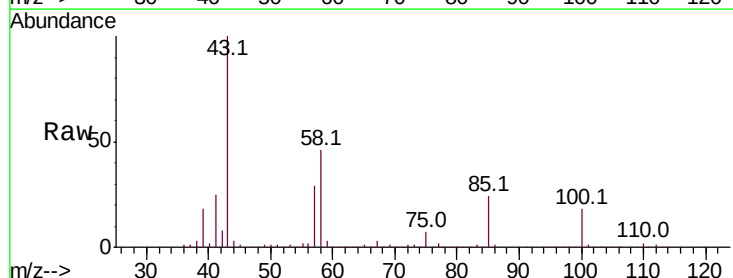
Acq: 5 Nov 2020 13:57

Tgt Ion: 43 Resp: 2143734

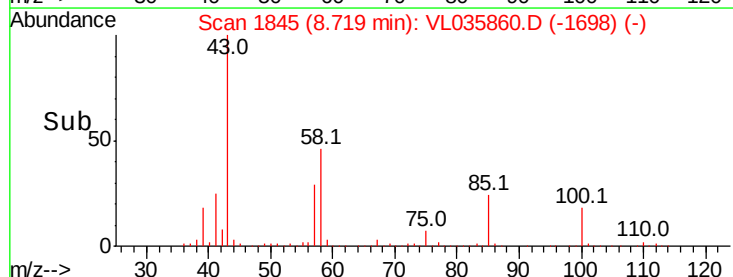
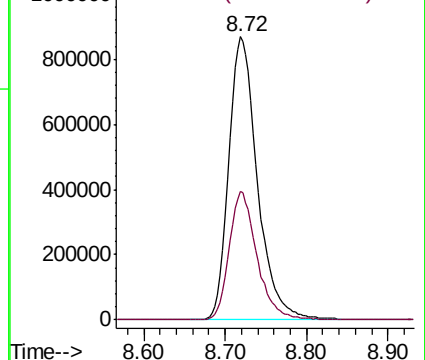
Ion Ratio Lower Upper

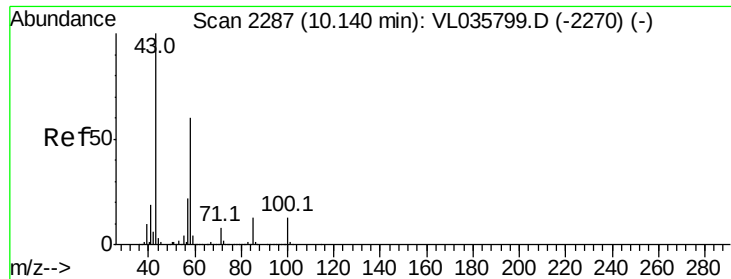
43 100

58 44.1 36.0 54.0



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





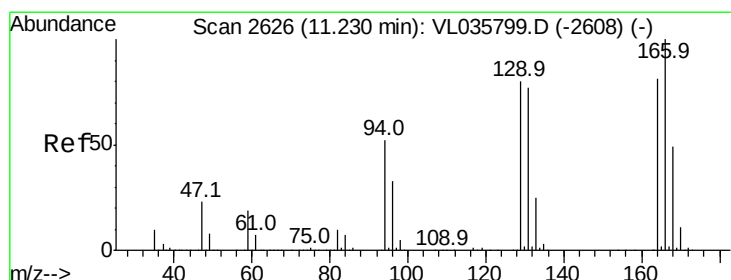
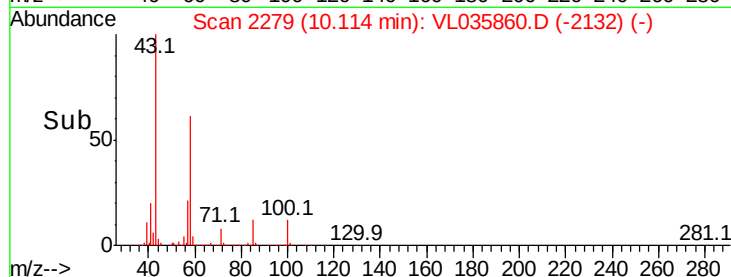
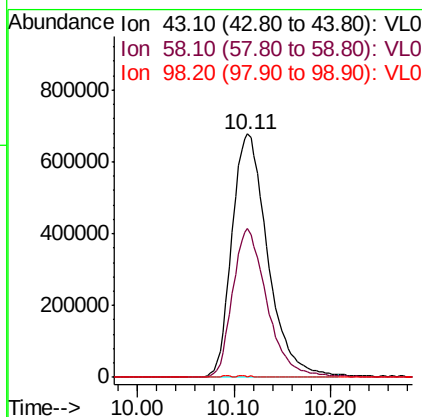
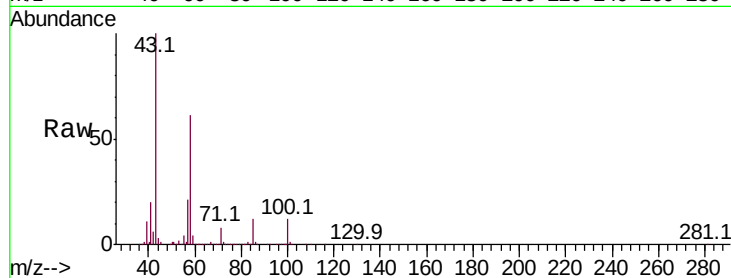
#51
2-Hexanone
Concen: 11.901 ppbv
RT: 10.11 min Scan# 2279
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VL1105ABS01

Tot Ion: 43 Resp: 1737525
Ion Ratio Lower Upper
43 100
58 59.1 48.3 72.5
98 0.8 0.6 0.8

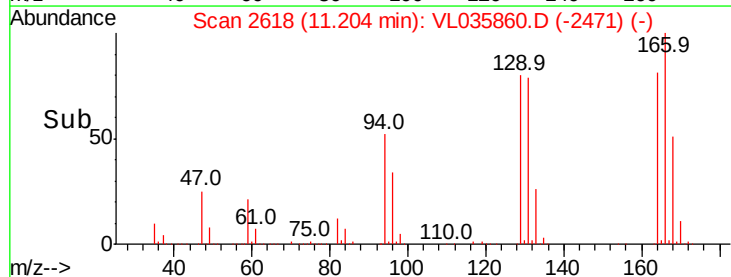
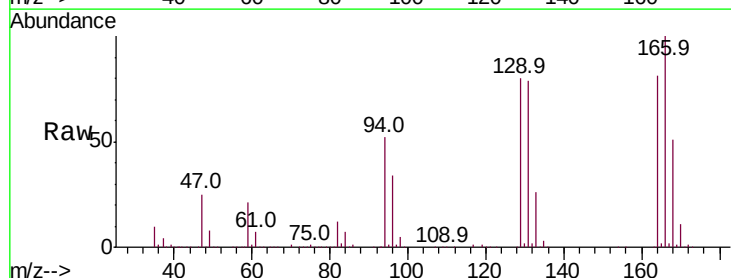
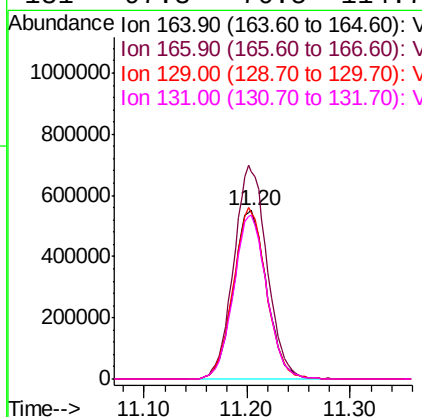
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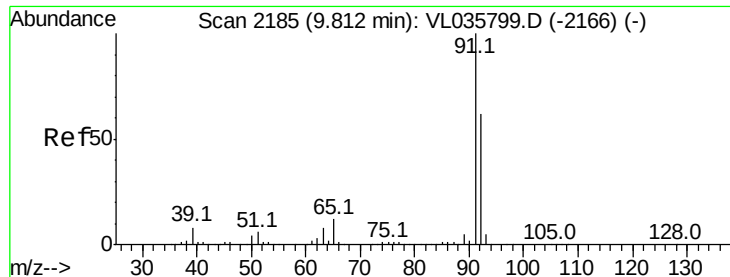
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#52
Tetrachloroethene
Concen: 9.582 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Tgt Ion: 164 Resp: 1235970
Ion Ratio Lower Upper
164 100
166 123.1 99.3 148.9
129 99.0 79.3 118.9
131 97.3 76.5 114.7





#53

Toluene

Concen: 10.537 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. -0.03 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion: 91 Resp: 3461528

Ion Ratio Lower Upper

91 100

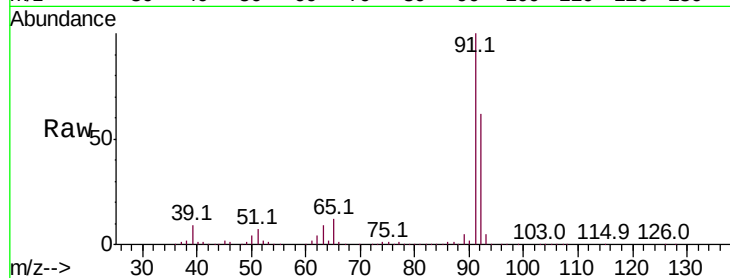
92 61.9 49.8 74.6

Manual Integrations

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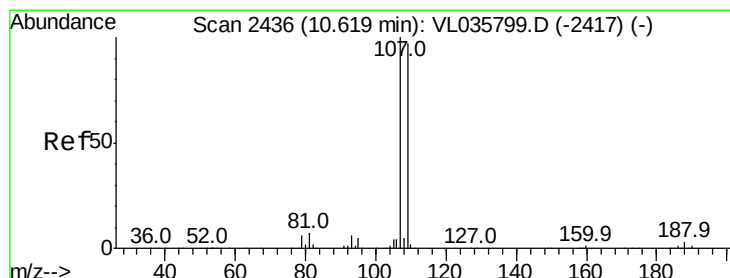
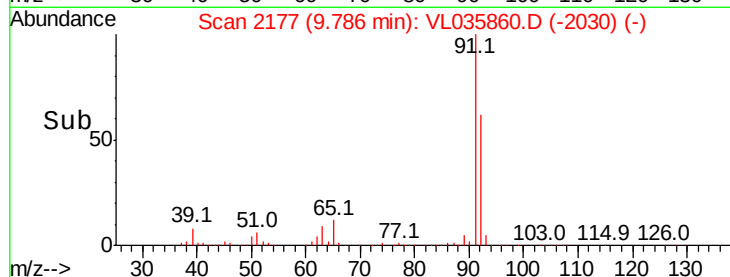
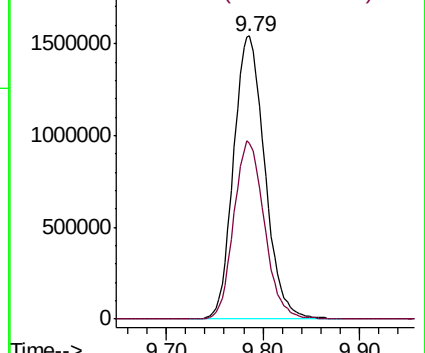
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 10.581 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.03 min

Lab File: VL035860.D

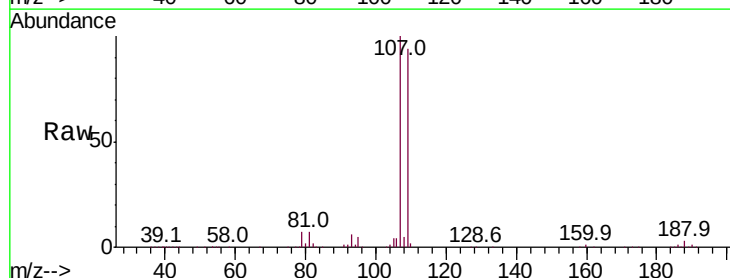
Acq: 5 Nov 2020 13:57

Tgt Ion:107 Resp: 2009792

Ion Ratio Lower Upper

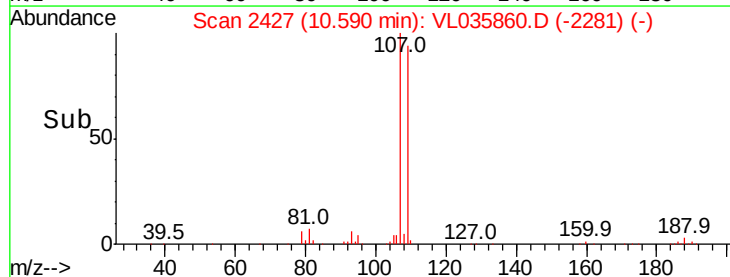
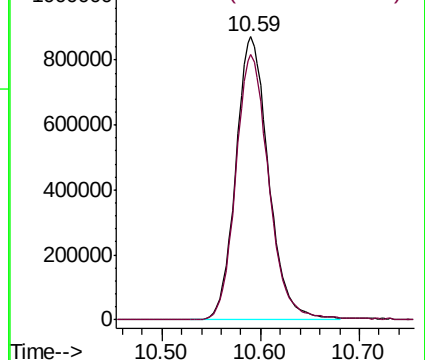
107 100

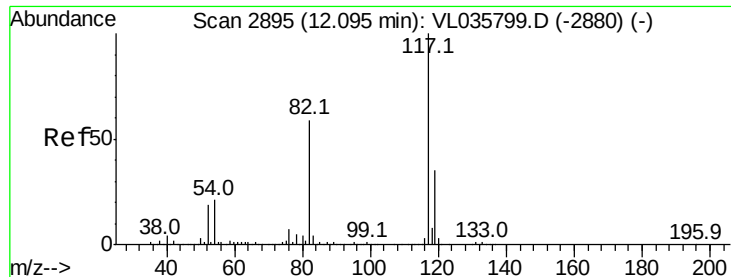
109 93.7 77.2 115.8



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: 12.07 min Scan# 2886

Delta R.T. -0.03 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion:117 Resp: 3581376

Ion Ratio Lower Upper

117 100

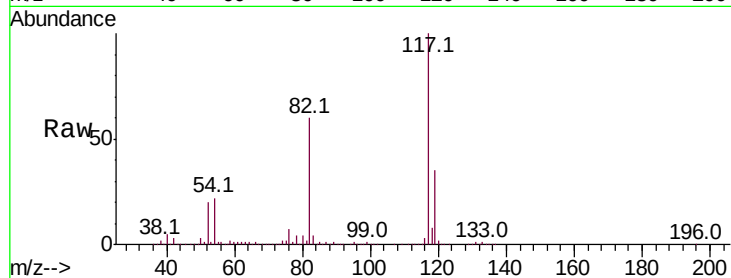
82 57.8 50.6 76.0

119 32.8 52.6 78.8#

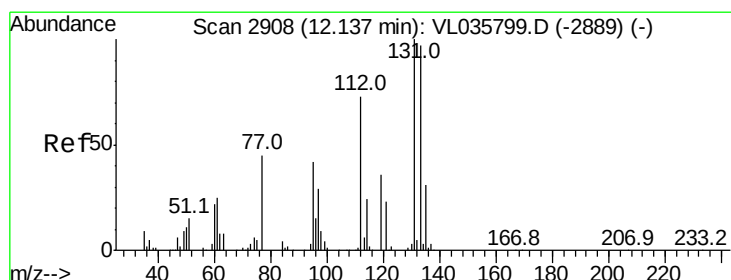
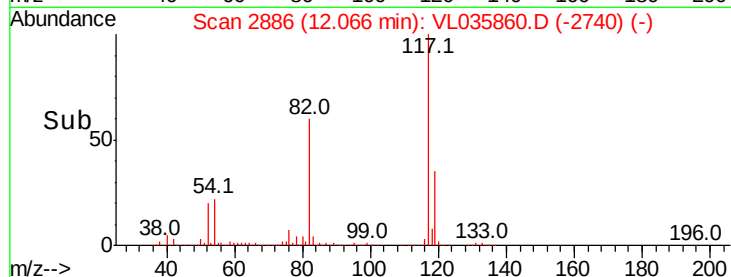
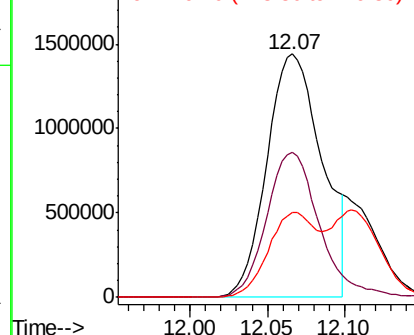
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Abundance Ion 117.10 (116.80 to 117.80): V
2000000
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.505 ppbv

RT: 12.11 min Scan# 2899

Delta R.T. -0.03 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

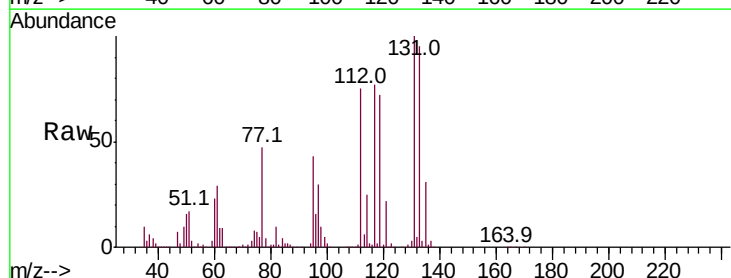
Tgt Ion:131 Resp: 1688597

Ion Ratio Lower Upper

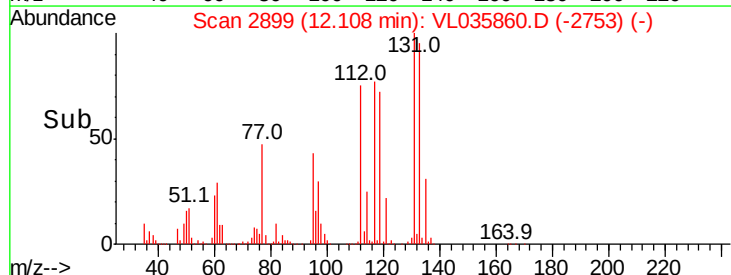
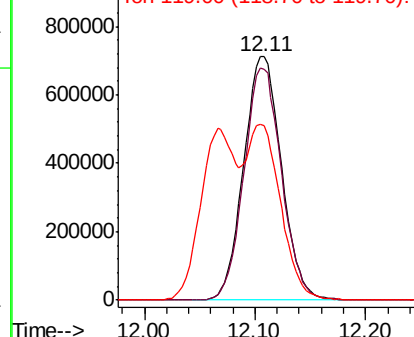
131 100

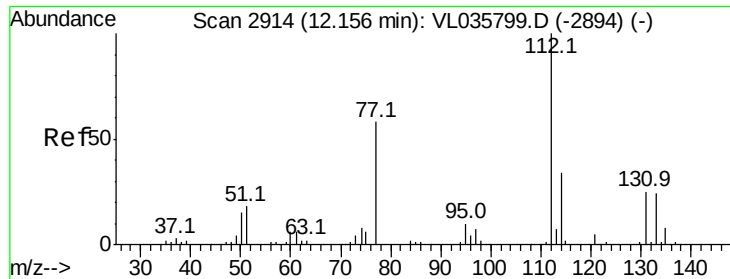
133 95.2 76.8 115.2

119 72.6 47.4 71.0#



Abundance Ion 131.00 (130.70 to 131.70): V
800000
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V





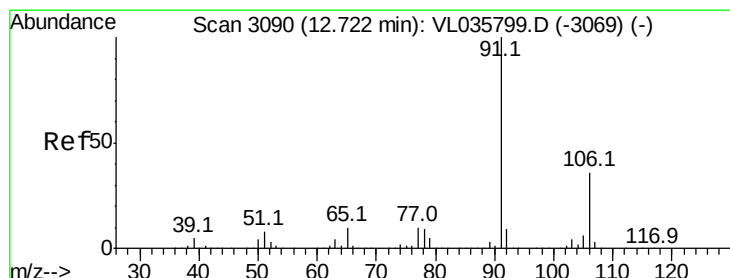
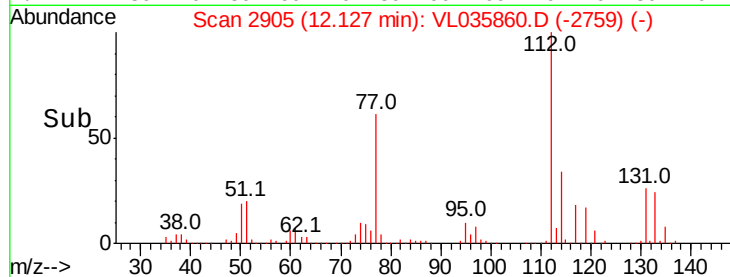
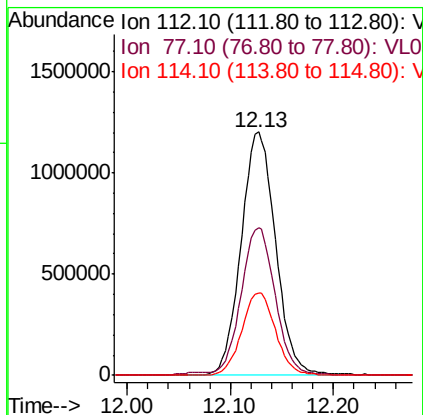
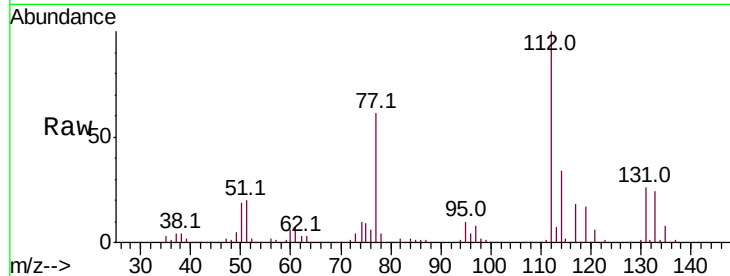
#57
Chlorobenzene
Concen: 9.796 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VL1105ABS01

Tot Ion: 112 Resp: 2789453
Ion Ratio Lower Upper
112 100
77 60.2 47.5 71.3
114 33.6 30.3 37.1

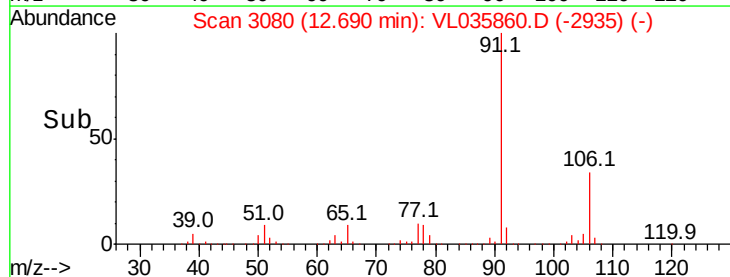
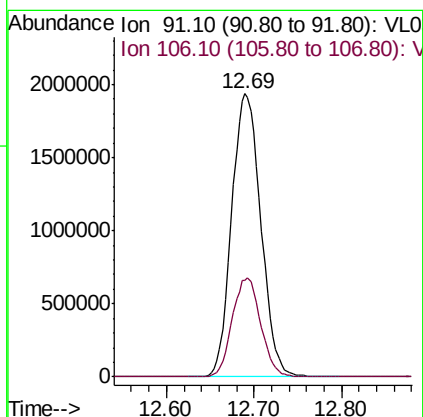
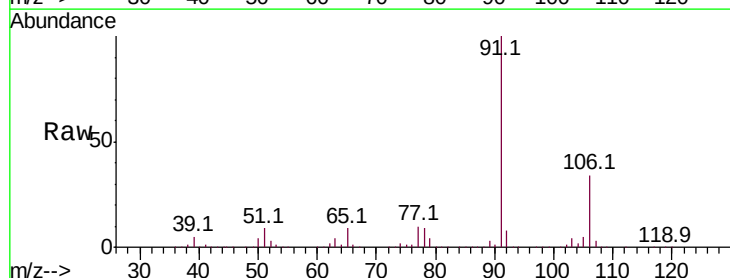
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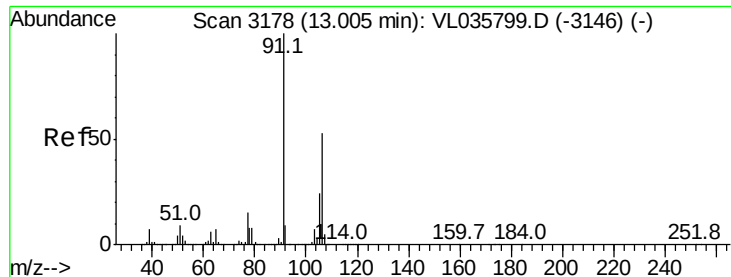
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#58
Ethyl Benzene
Concen: 10.280 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Tgt Ion: 91 Resp: 4484153
Ion Ratio Lower Upper
91 100
106 34.3 28.6 43.0





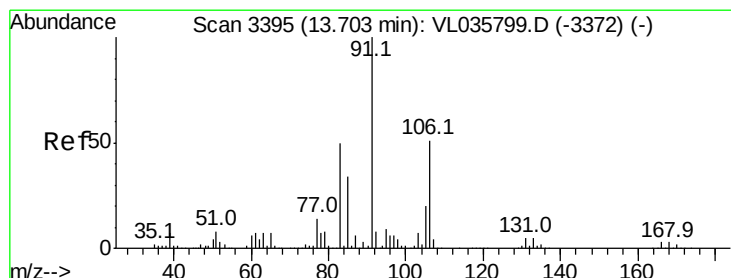
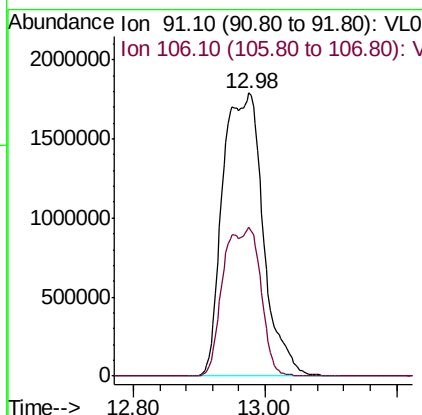
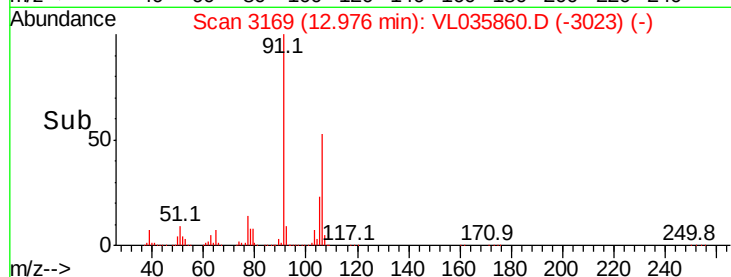
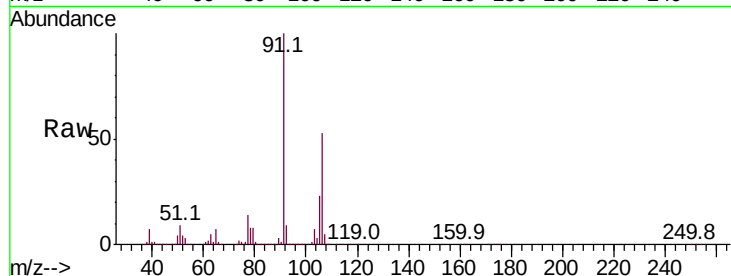
#59
m/p-Xylene
Concen: 20.683 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VL1105ABS01

Tot Ion: 91 Resp: 7632860
Ion Ratio Lower Upper
91 100
106 48.7 39.5 59.3

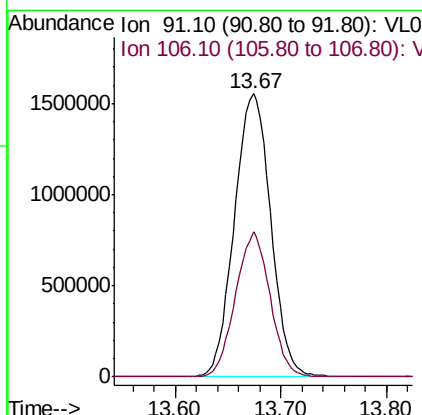
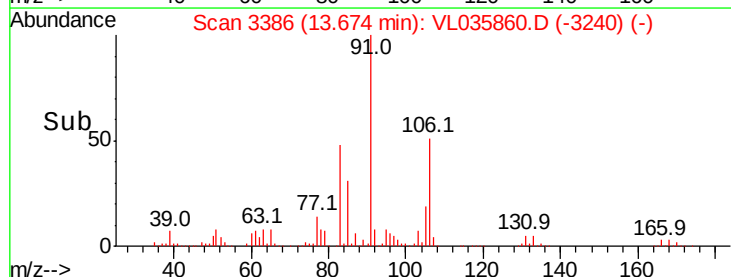
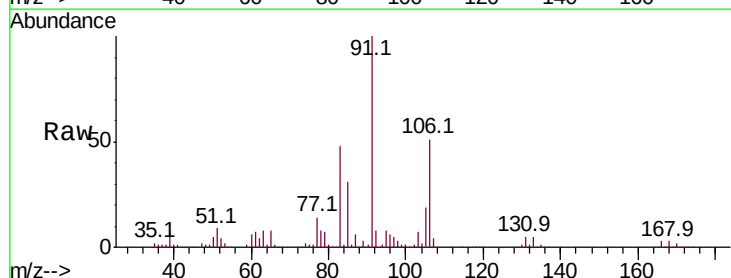
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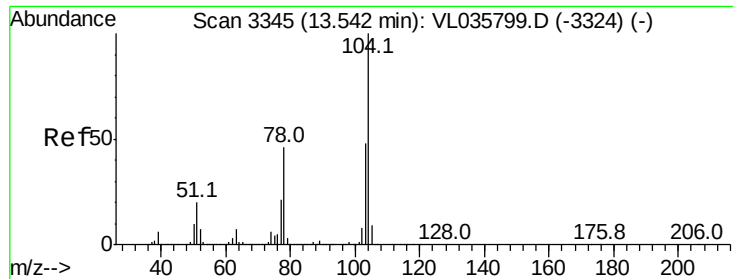
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#60
o-Xylene
Concen: 10.340 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Tgt Ion: 91 Resp: 3712124
Ion Ratio Lower Upper
91 100
106 48.8 24.8 74.4





#61

Stvrene

Concen: 10.578 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. -0.03 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

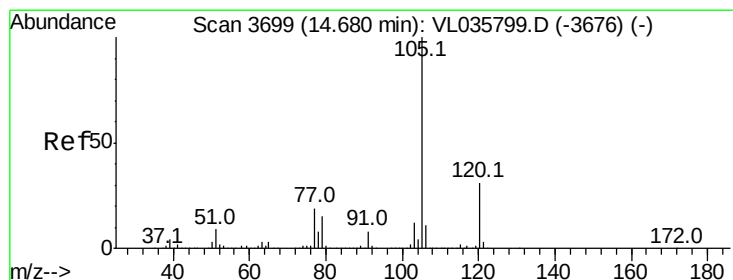
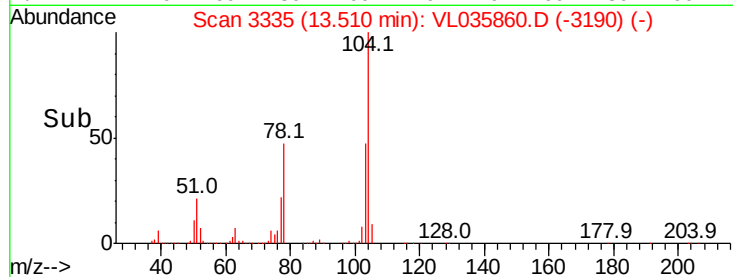
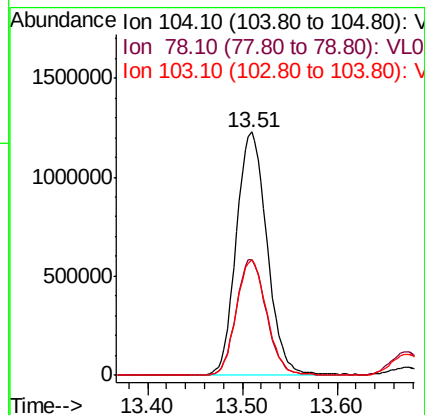
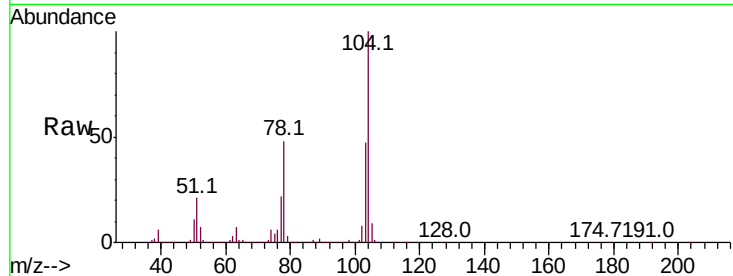
VL1105ABS01

Tot Ion:104 Resp: 2782407

Ion	Ratio	Lower	Upper
104	100		
78	47.1	37.1	55.7
103	47.1	37.9	56.9

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#62

Isopropylbenzene

Concen: 9.932 ppbv

RT: 14.65 min Scan# 3689

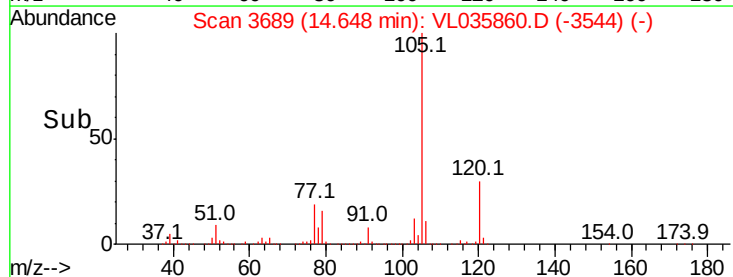
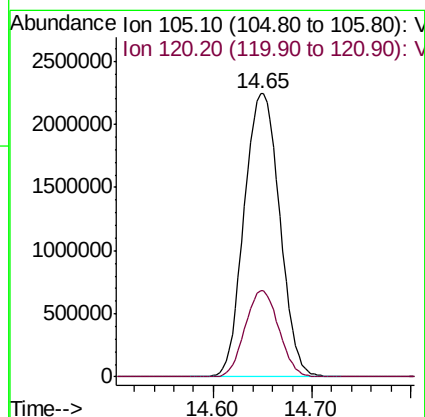
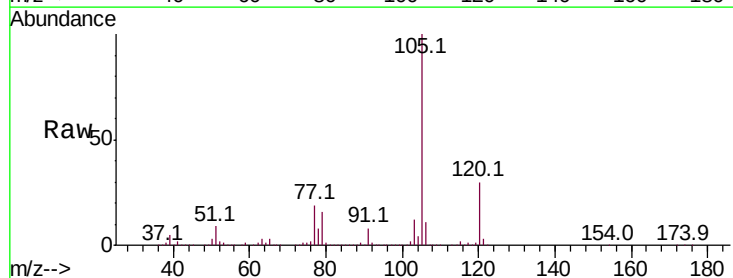
Delta R.T. -0.03 min

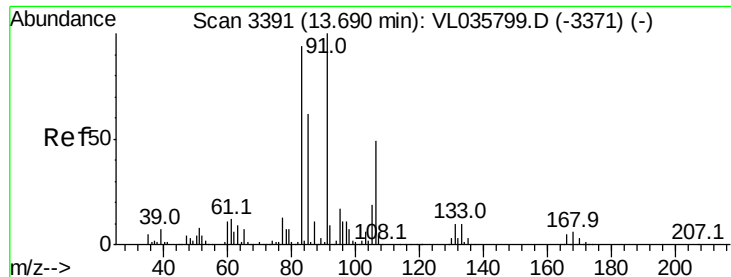
Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Tgt Ion:105 Resp: 5604416

Ion	Ratio	Lower	Upper
105	100		
120	28.9	23.5	35.3





#63

1,1,2,2-Tetrachloroethane

Concen: 9.434 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. -0.03 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion: 83 Resp: 2624233

Ion Ratio Lower Upper

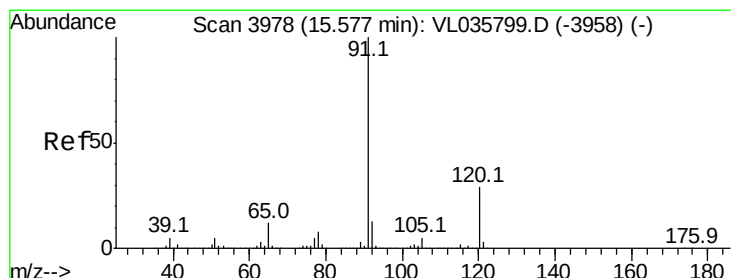
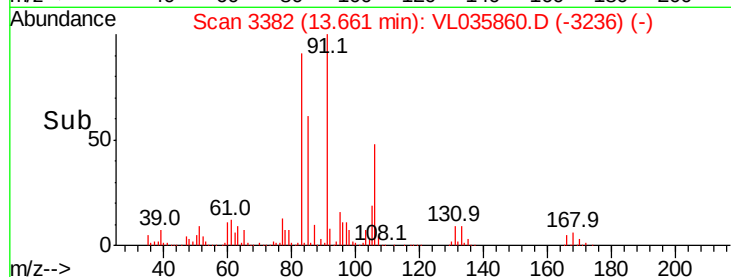
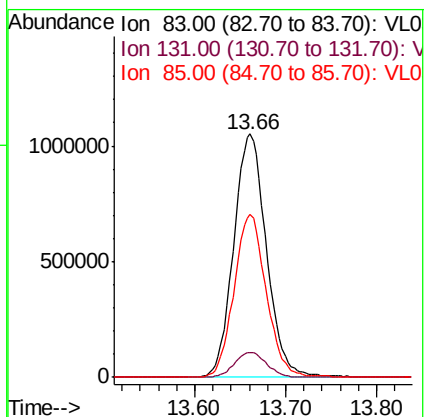
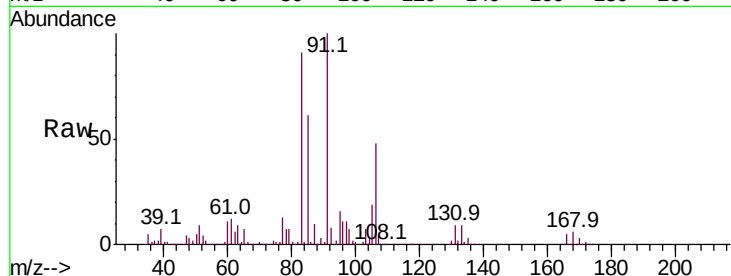
83 100

131 10.3 5.3 15.8

85 66.3 33.5 100.4

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#64

n-propylbenzene

Concen: 9.961 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. -0.03 min

Lab File: VL035860.D

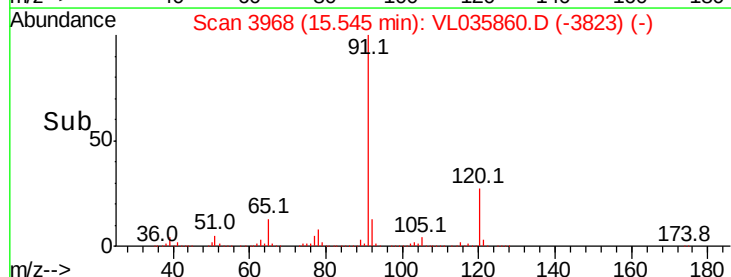
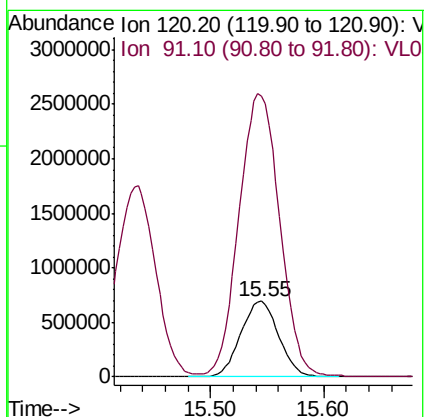
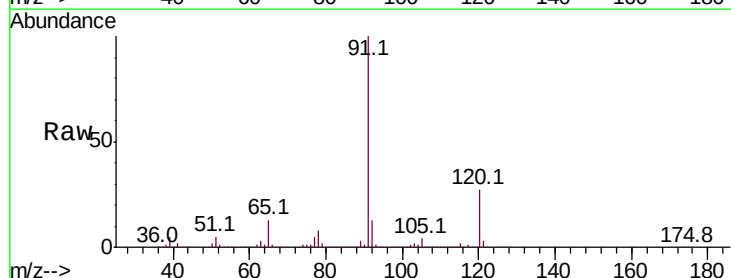
Acq: 5 Nov 2020 13:57

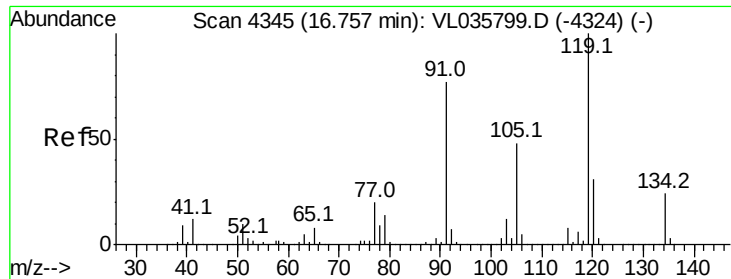
Tgt Ion:120 Resp: 1624519

Ion Ratio Lower Upper

120 100

91 401.1 311.1 466.7





#65
 tert-Butylbenzene
 Concen: 9.702 ppbv
 RT: 16.73 min Scan# 4335
 Delta R.T. -0.03 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

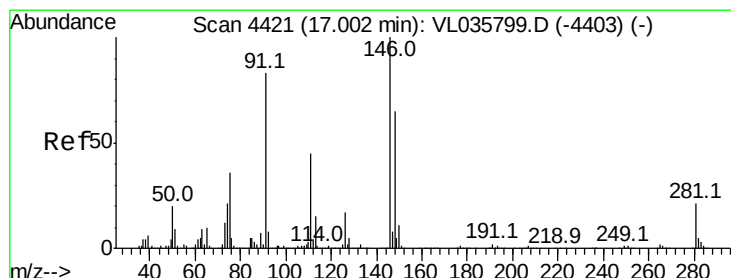
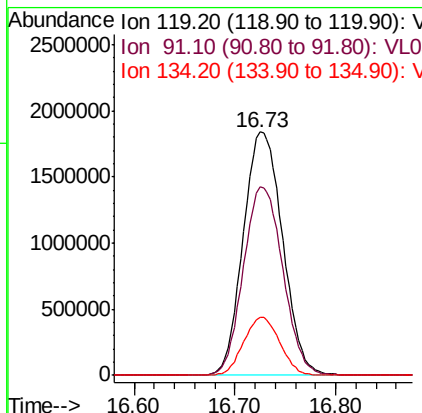
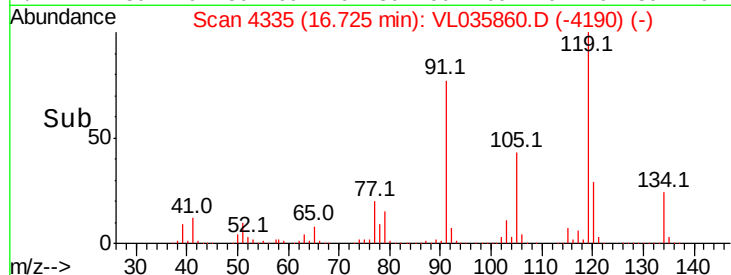
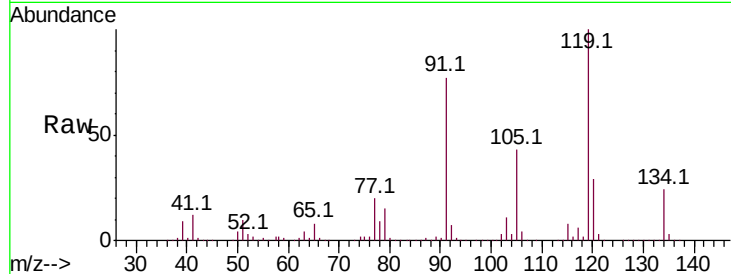
Instrument :
 MSVOA_L
 ClientSampleId :
 VL1105ABS01

Tot Ion: 119 Resp: 4983067

Ion	Ratio	Lower	Upper
119	100		
91	77.9	62.0	93.0
134	22.0	17.8	26.8

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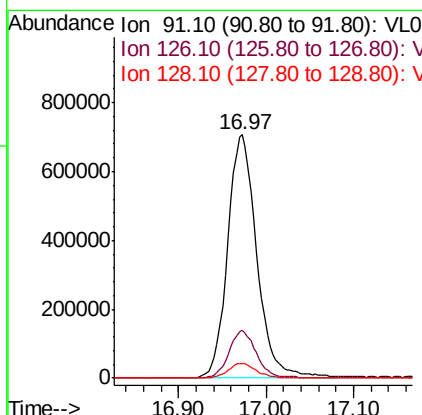
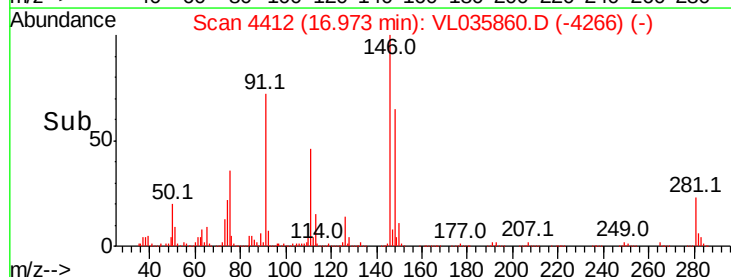
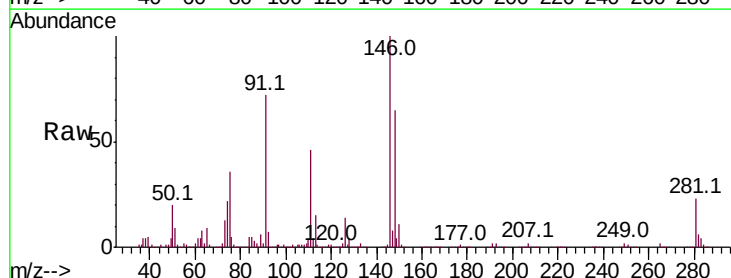
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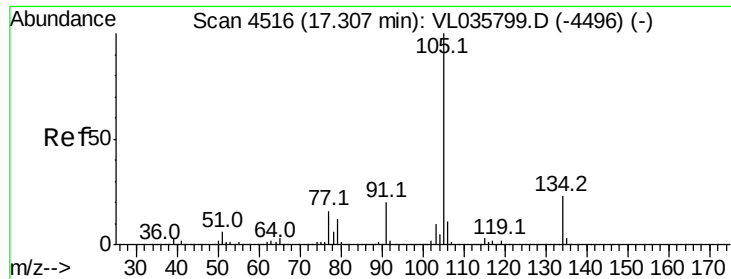


#66
 Benzyl Chloride
 Concen: 9.572 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.03 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Tgt Ion: 91 Resp: 1624909

Ion	Ratio	Lower	Upper
91	100		
126	18.8	16.0	24.0
128	6.0	5.0	7.4





#67

sec-Butylbenzene

Concen: 9.738 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.03 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion: 105 Resp: 6740181

Ion Ratio Lower Upper

105 100

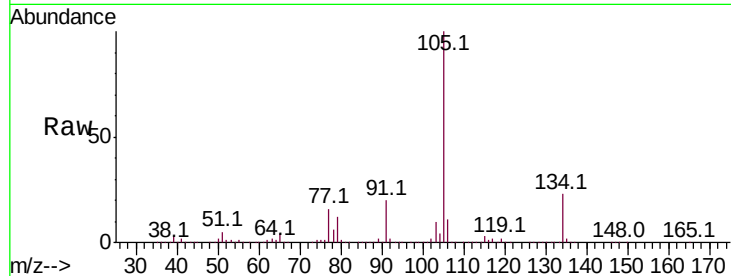
134 20.7 17.0 25.6

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

3000000

2500000

2000000

1500000

1000000

500000

0

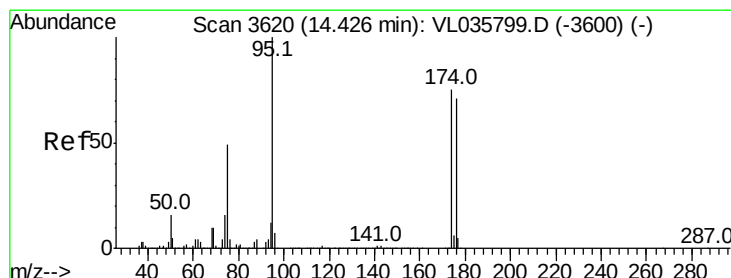
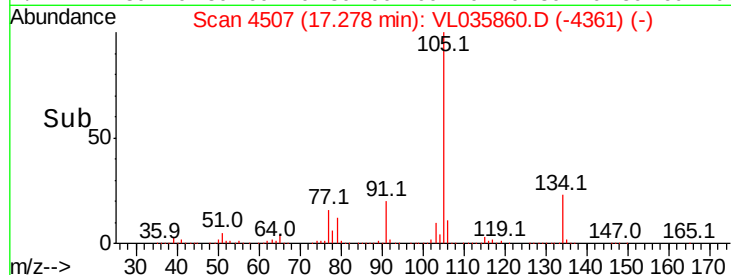
17.28

17.20

17.30

17.40

Time-->



#68

1-Bromo-4-Fluorobenzene

Concen: 9.995 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.03 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

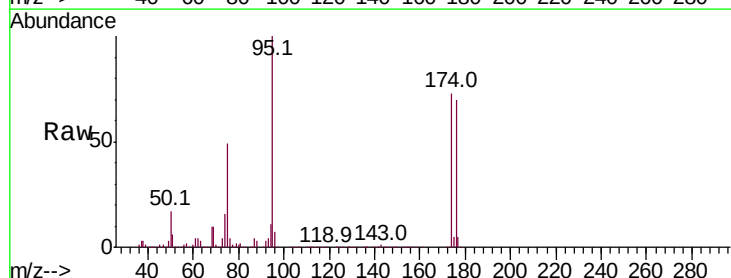
Tgt Ion: 95 Resp: 2543175

Ion Ratio Lower Upper

95 100

174 73.7 59.8 89.6

175 5.3 4.3 6.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

1500000

1000000

500000

0

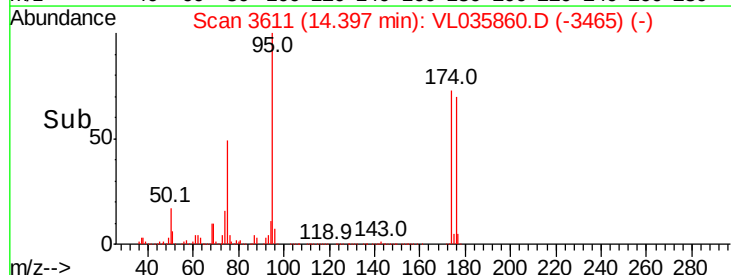
14.40

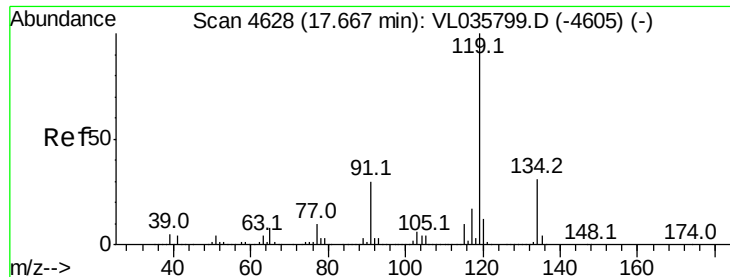
14.30

14.40

14.50

Time-->





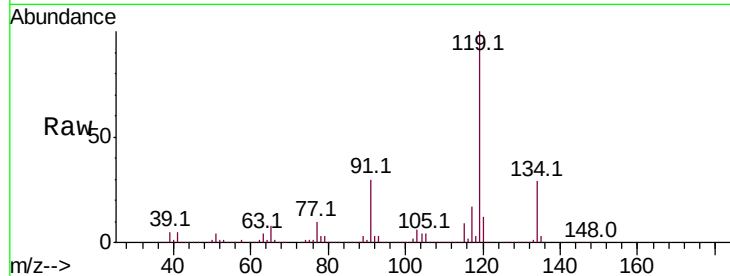
#69
p-Isopropyltoluene
Concen: 9.767 ppbv
RT: 17.63 min Scan# 4618
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VL1105ABS01

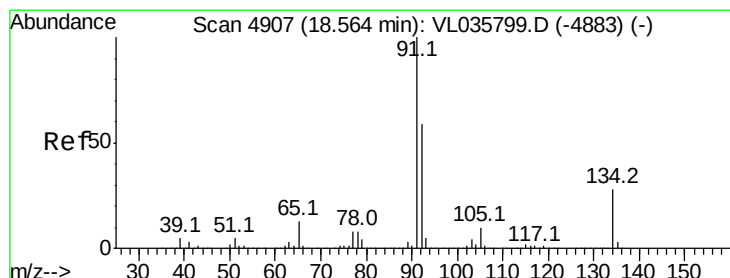
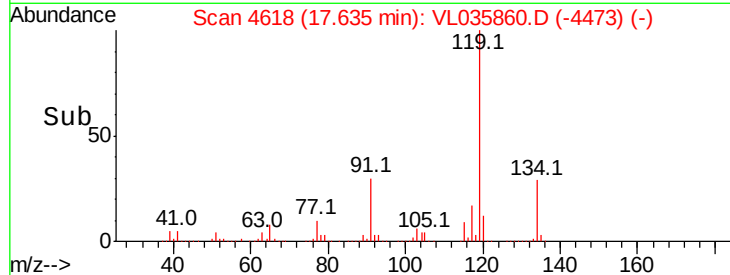
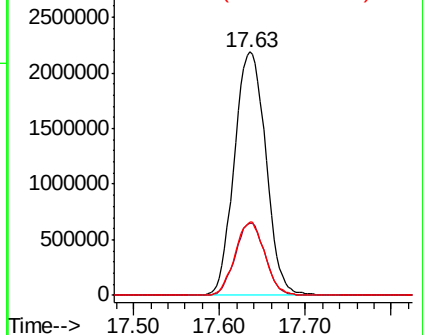
Tot Ion: 119 Resp: 5578444
Ion Ratio Lower Upper
119 100
134 28.1 23.0 34.6
91 28.5 22.8 34.2

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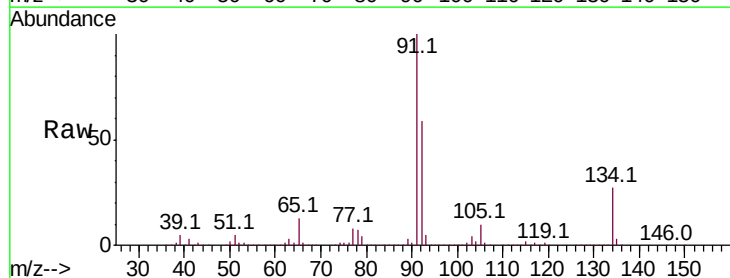


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

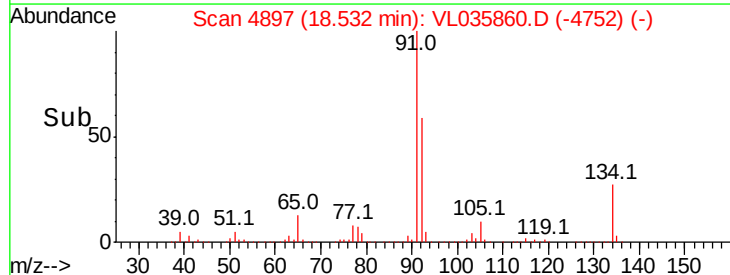
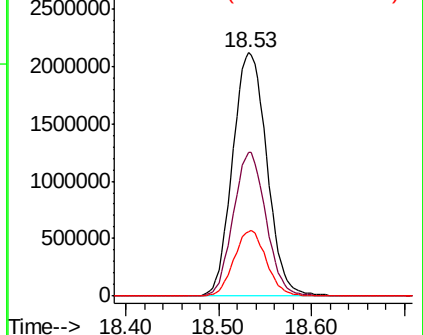


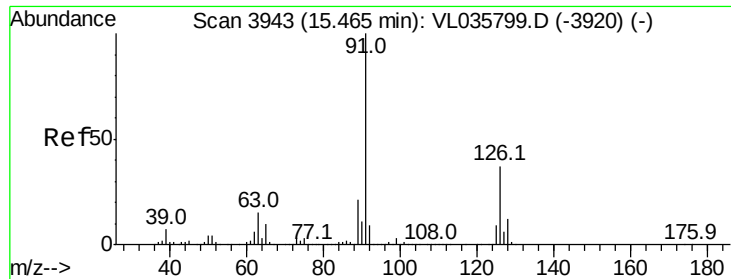
#70
n-Butylbenzene
Concen: 9.869 ppbv
RT: 18.53 min Scan# 4897
Delta R.T. -0.03 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Tgt Ion: 91 Resp: 5428139
Ion Ratio Lower Upper
91 100
92 56.4 45.7 68.5
134 25.6 21.0 31.4



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 10.134 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. -0.03 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampleId :

VL1105ABS01

Tot Ion: 91 Resp: 4182640

Ion Ratio Lower Upper

91 100

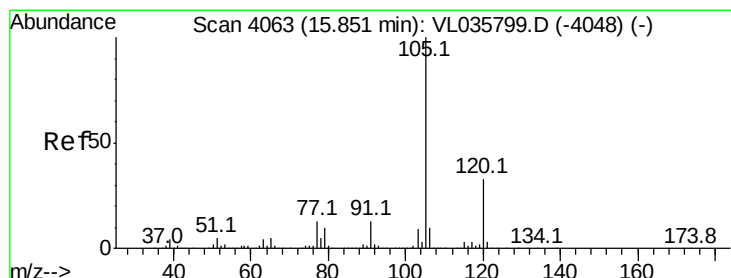
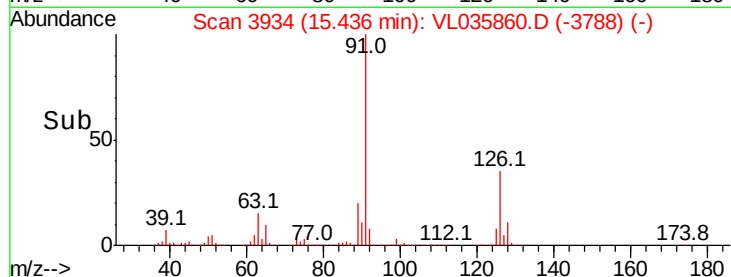
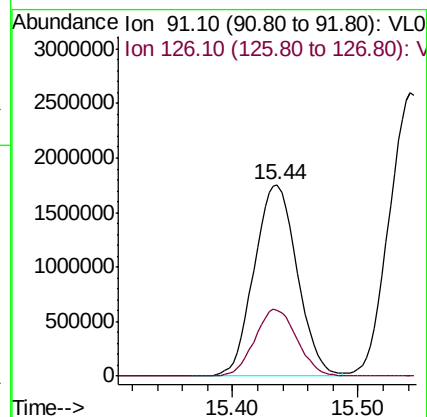
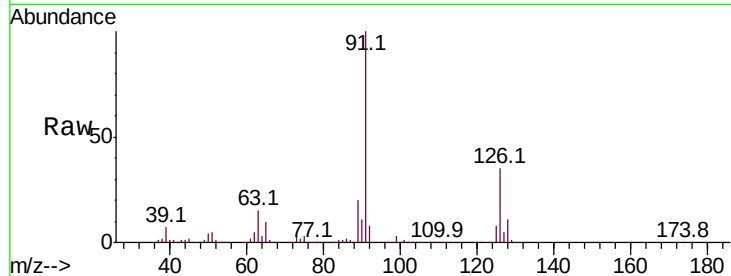
126 34.5 14.3 57.1

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#72

4-Ethyltoluene

Concen: 10.134 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. -0.03 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Tgt Ion: 105 Resp: 4412309

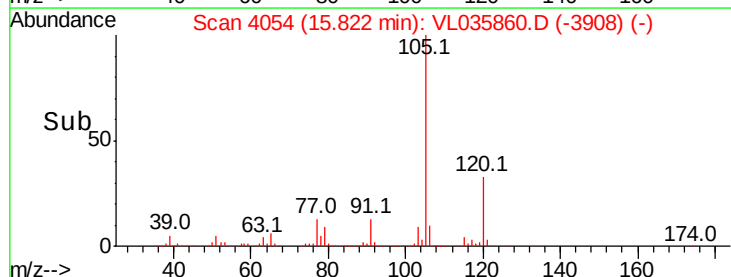
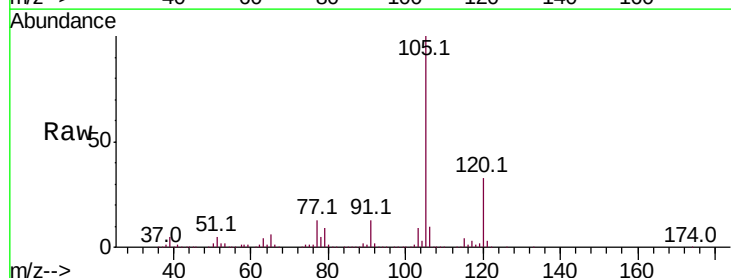
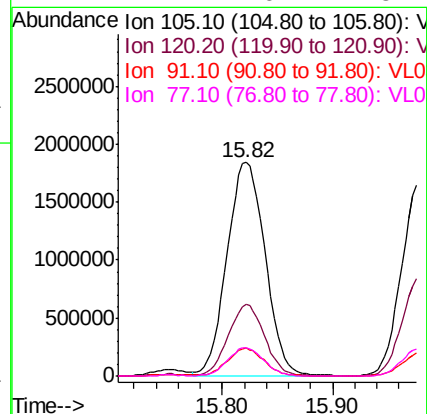
Ion Ratio Lower Upper

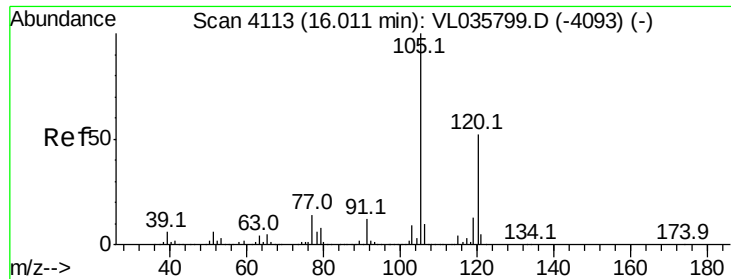
105 100

120 32.1 25.9 38.9

91 12.3 9.9 14.9

77 12.7 10.2 15.2





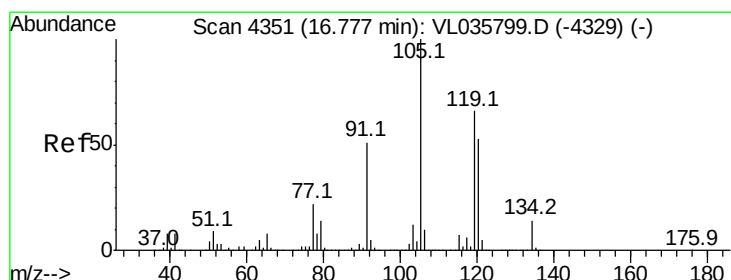
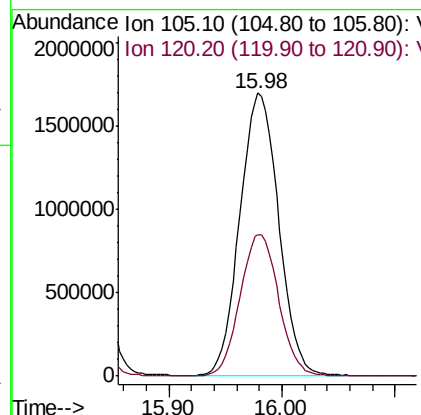
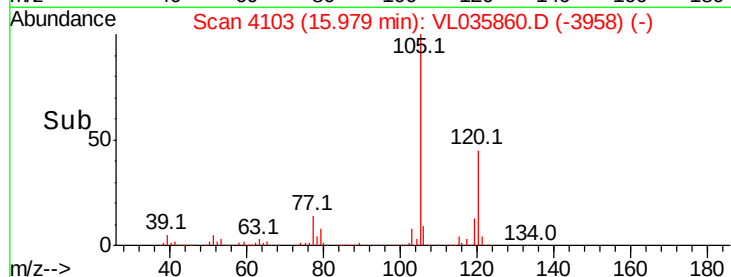
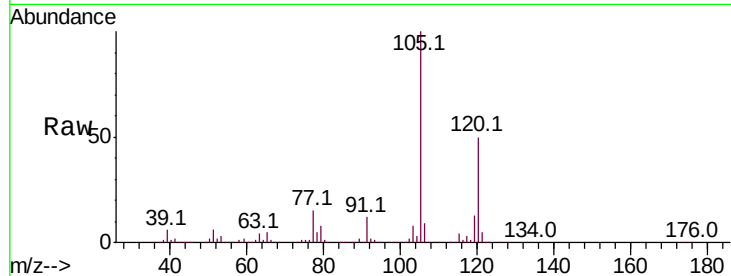
#73
 1,3,5-Trimethylbenzene
 Concen: 10.146 ppbv
 RT: 15.98 min Scan# 4103
 Delta R.T. -0.03 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1105ABS01

Tot Ion:105 Resp: 4042720
 Ion Ratio Lower Upper
 105 100
 120 49.8 41.4 62.2

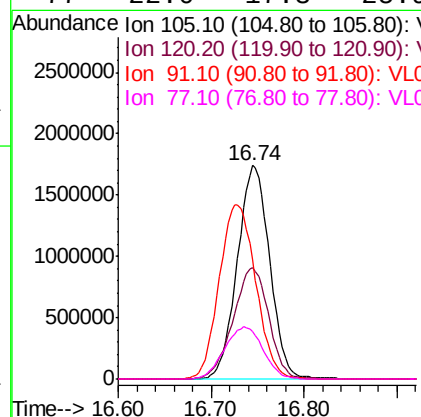
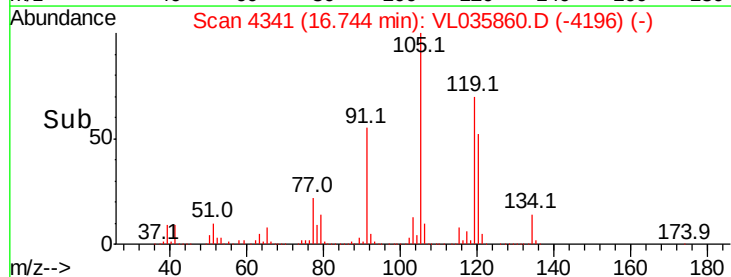
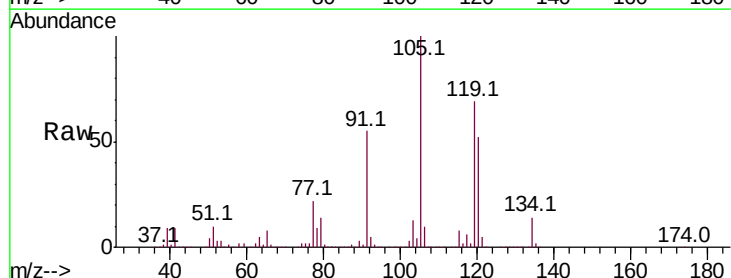
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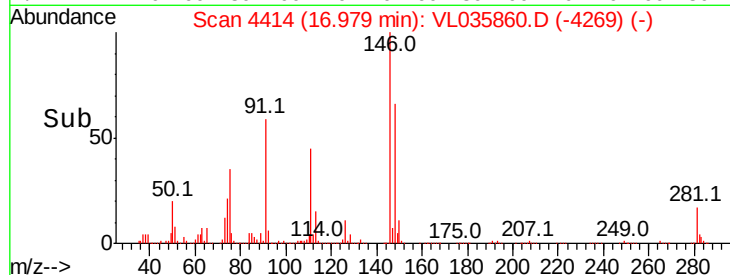
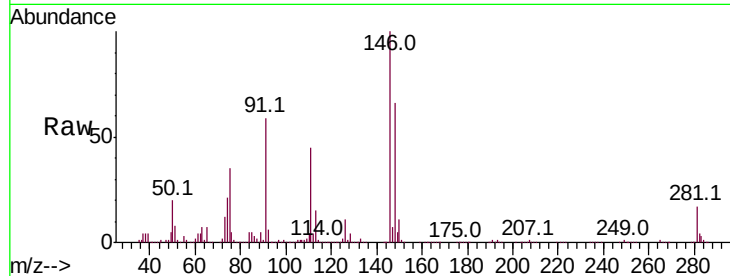
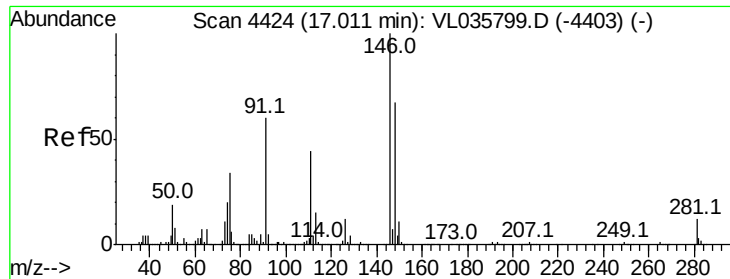
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.866 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. -0.03 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Tgt Ion:105 Resp: 4212124
 Ion Ratio Lower Upper
 105 100
 120 52.2 42.0 63.0
 91 55.4 41.0 61.6
 77 22.0 17.3 25.9





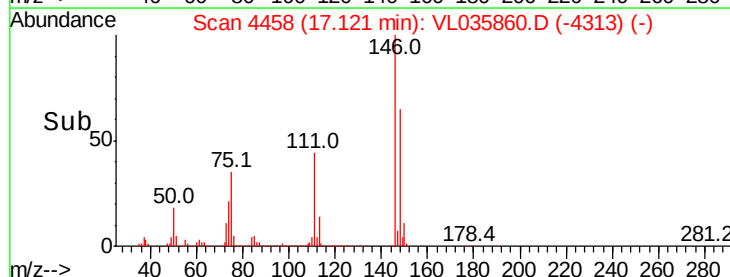
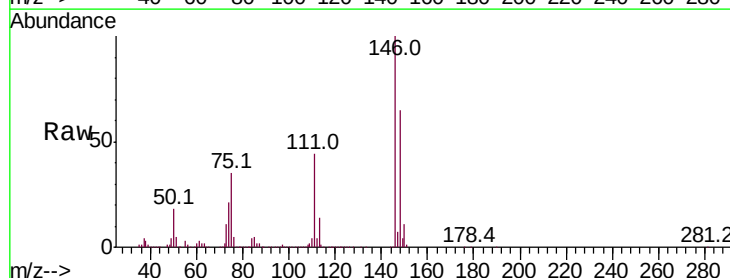
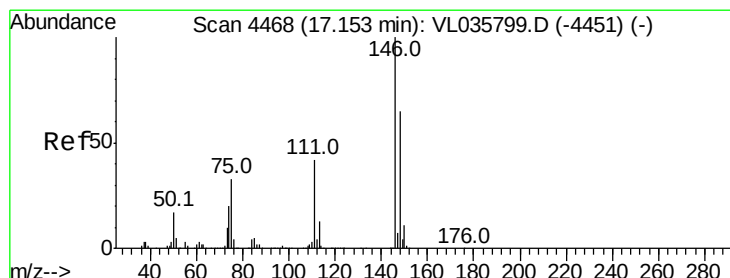
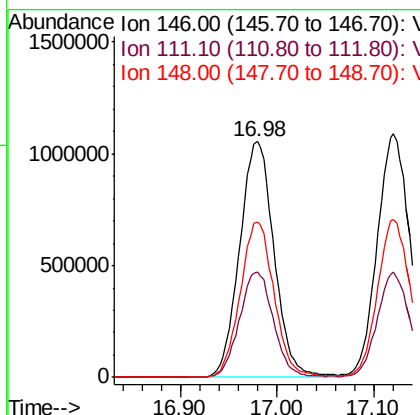
#75
 1,3-Dichlorobenzene
 Concen: 9.612 ppbv
 RT: 16.98 min Scan# 4414
 Delta R.T. -0.03 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Tot Ion	Ratio	Lower	Upper
146	100		
111	44.2	21.8	65.4
148	65.0	32.5	97.5

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1105ABS01

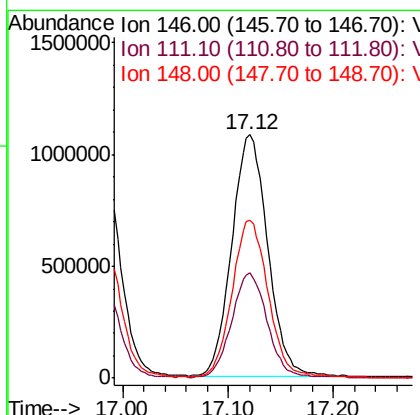
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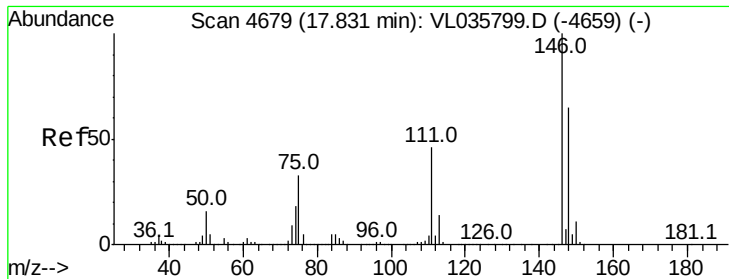
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#76
 1,4-Dichlorobenzene
 Concen: 9.783 ppbv
 RT: 17.12 min Scan# 4458
 Delta R.T. -0.03 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Tgt Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.3	63.7
148	65.7	33.0	99.0





#77

1,2-Dichlorobenzene

Concen: 9.551 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. -0.03 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

Instrument :

MSVOA_L

ClientSampled :

VL1105ABS01

Tot Ion:146 Resp: 2530995

Ion Ratio Lower Upper

146 100

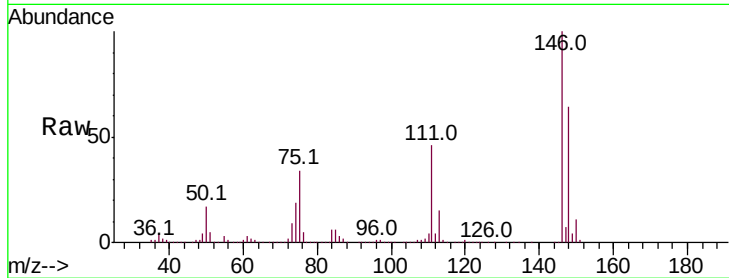
111 45.3 22.4 67.0

148 64.8 32.5 97.5

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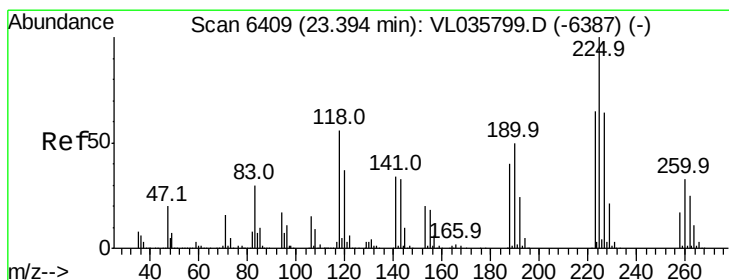
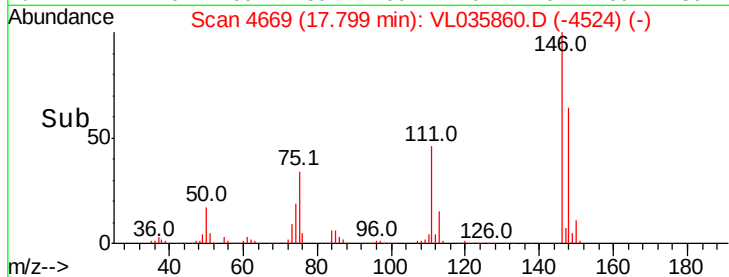
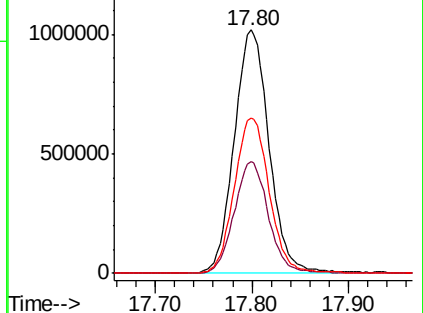
11/9/2020 1:38:36 PM



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 9.817 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. -0.04 min

Lab File: VL035860.D

Acq: 5 Nov 2020 13:57

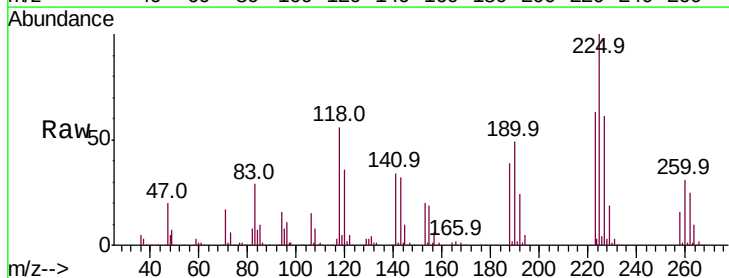
Tgt Ion:225 Resp: 1213840

Ion Ratio Lower Upper

225 100

223 63.7 51.0 76.6

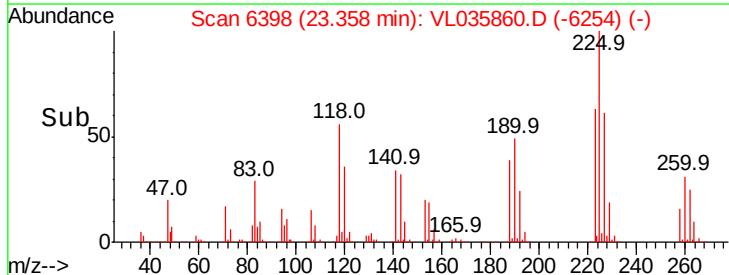
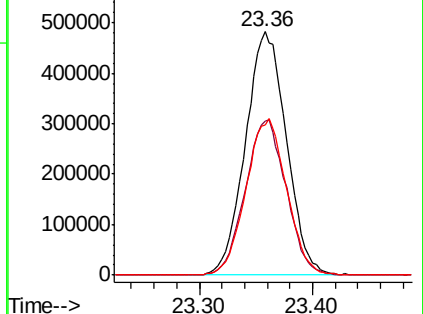
227 63.9 51.2 76.8

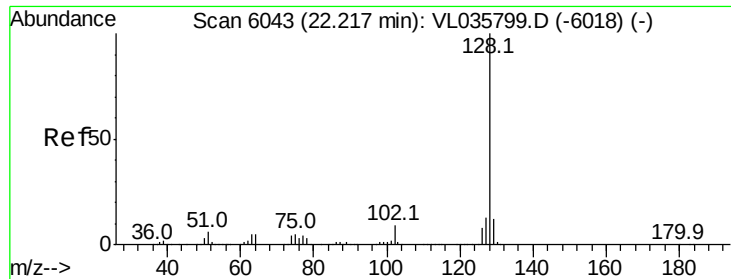


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





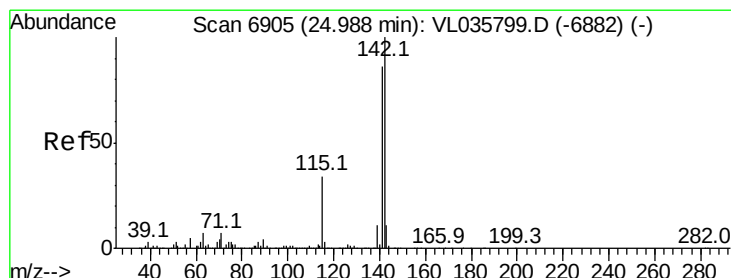
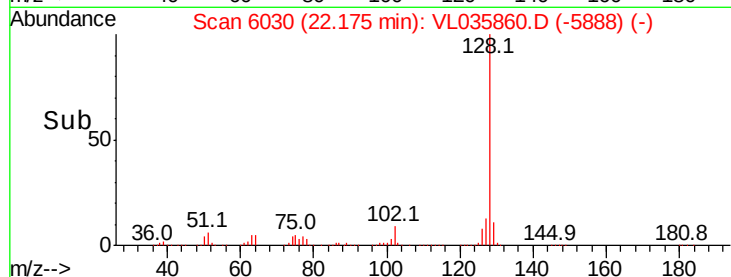
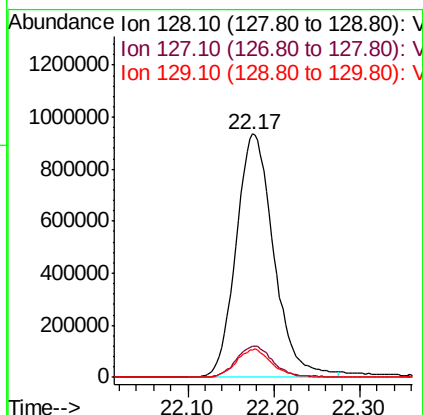
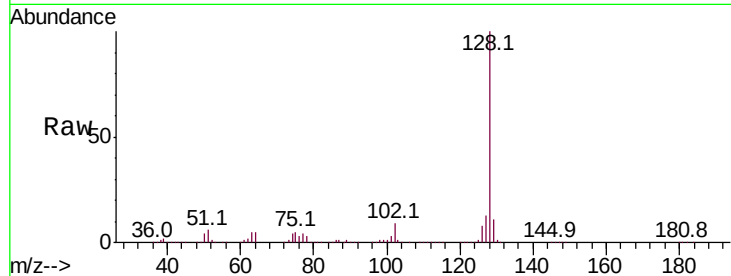
#79
Naphthalene
Concen: 9.556 ppbv
RT: 22.17 min Scan# 6030
Delta R.T. -0.04 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Instrument :
MSVOA_L
ClientSampleId :
VL1105ABS01

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	11.4	9.2	13.8

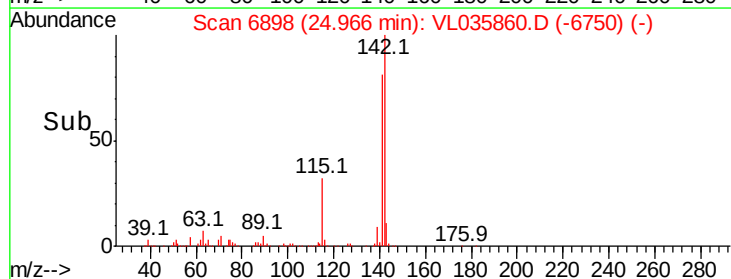
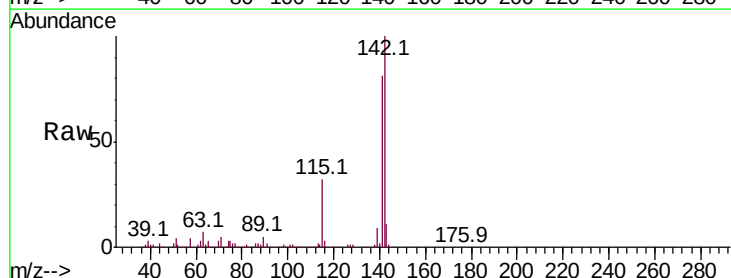
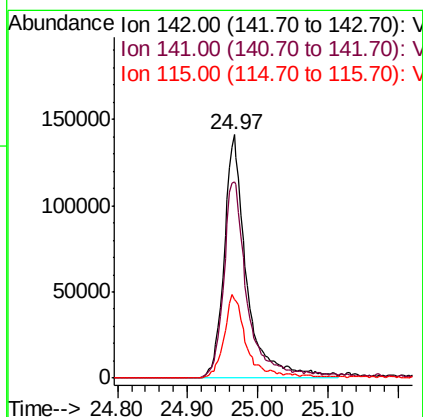
Manual Integrations
APPROVED

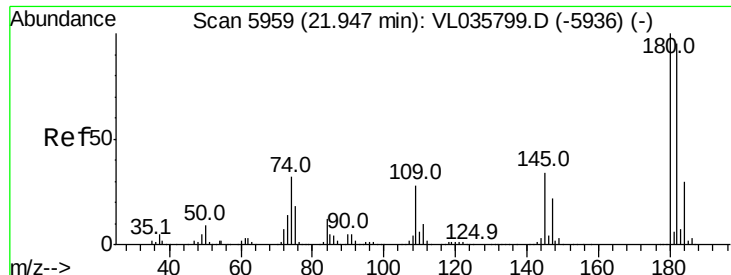
MMDadoda
11/9/2020 1:38:36 PM



#80
Naphthalene, 2-methyl-
Concen: 6.522 ppbv
RT: 24.97 min Scan# 6898
Delta R.T. -0.02 min
Lab File: VL035860.D
Acq: 5 Nov 2020 13:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.0	67.8	101.8
115	35.3	28.1	42.1





#81
 1,2,4-Trichlorobenzene
 Concen: 9.249 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. -0.04 min
 Lab File: VL035860.D
 Acq: 5 Nov 2020 13:57

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1105ABS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	98.3	77.2	115.8
184	31.5	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 11/9/2020 1:38:36 PM

