

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100121\
 Data File : VL037740.D
 Acq On : 1 Oct 2021 12:54
 Operator : SY/AP
 Sample : VL1001SBS01
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Manual Integrations
 APPROVED

MMDadoda
 10/4/2021 5:49:54 PM

Quant Time: Oct 02 01:48:05 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1448648	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4264969	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3935745m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2645464	9.30	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1824495	6.960	ppbv	97
3) Chlorodifluoromethane	2.98	51	2498136	9.142	ppbv	99
4) Chloromethane	3.13	50	917029	9.083	ppbv	99
5) Vinyl Chloride	3.25	62	940187	9.915	ppbv	99
6) Bromomethane	3.47	94	473766	8.596	ppbv	95
7) Chloroethane	3.55	64	326194	9.205	ppbv	98
8) Dichlorotetrafluoroethane	3.18	85	2122163	9.384	ppbv	97
9) Propene	3.00	41	917437	9.518	ppbv	95
10) Heptane	8.10	43	2258348	10.041	ppbv	100
11) Trichlorofluoromethane	3.94	101	1941886	9.227	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1464436	9.427	ppbv	98
13) Ethanol	3.60	45	90078m	9.554	ppbv	
14) Bromoethene	3.73	108	660856	9.346	ppbv	98
15) Acetone	3.84	43	1114000	7.401	ppbv	94
16) 1,3-Butadiene	3.32	39	901969	9.590	ppbv	100
17) tert-Butyl alcohol	4.28	59	1241329	9.726	ppbv	100
18) 1,1-Dichloroethene	4.28	96	659072	9.107	ppbv	98
19) Isopropyl Alcohol	3.95	45	752960	9.194	ppbv #	96
20) Methylene Chloride	4.33	84	580734	8.082	ppbv	98
21) Allyl Chloride	4.40	41	1061074	9.436	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	676362	9.289	ppbv	96
23) Vinyl Acetate	5.06	43	1684064	8.086	ppbv	98
24) 1,1-Dichloroethane	5.00	63	1348237	9.036	ppbv	98
25) Ethyl Acetate	5.66	43	3556302	9.756	ppbv	99
26) Hexane	5.67	57	1691220	9.766	ppbv	100
27) Carbon Disulfide	4.54	76	1635862	10.326	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1387171	9.095	ppbv	99
29) Chloroform	5.74	83	2378171	9.405	ppbv	99
30) Cyclohexane	7.11	84	1413325	9.543	ppbv	99
31) cis-1,2-Dichloroethene	5.53	61	1564540	9.952	ppbv	98
32) 1,1,1-Trichloroethane	6.49	97	2271846	9.650	ppbv	99
34) 2-Butanone	5.23	43	1545799	8.919	ppbv	99
35) Carbon Tetrachloride	7.00	117	2382922	9.877	ppbv	98
36) Benzene	6.87	78	3480194	9.786	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1655422	9.464	ppbv	100
38) Trichloroethene	7.82	130	1376626	9.266	ppbv	98
39) 1,2-Dichloropropane	7.60	63	1334285	9.795	ppbv	96
40) 1,4-Dioxane	7.82	88	323840	9.774	ppbv #	1
41) Tetrahydrofuran	6.03	42	843437	10.352	ppbv	99
42) Bromodichloromethane	7.77	83	2498767	9.967	ppbv	99
43) Methyl Methacrylate	8.00	69	1255426	10.611	ppbv	99

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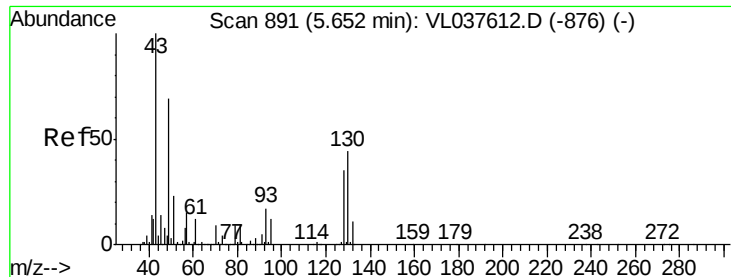
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5772206	9.654	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	971985	10.459	ppbv	98
46) cis-1,3-Dichloropropene	8.68	75	1269865	10.116	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1412368	9.373	ppbv	99
48) Dibromochloromethane	10.28	129	2226213	10.590	ppbv	99
49) Bromoform	13.01	173	1775919	10.556	ppbv	98
50) 4-Methyl-2-Pentanone	8.72	43	2233756	10.154	ppbv	98
51) 2-Hexanone	10.11	43	1077250	11.099	ppbv	98
52) Tetrachloroethene	11.20	164	1268826	9.293	ppbv	96
53) Toluene	9.78	91	4019624	10.168	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1985084	9.621	ppbv	95
56) 1,1,1,2-Tetrachloroethane	12.10	131	1521215	9.318	ppbv	97
57) Chlorobenzene	12.12	112	2886350	8.821	ppbv	99
58) Ethyl Benzene	12.69	91	5064606	9.694	ppbv	98
59) m/p-Xylene	12.97	91	8464684m	18.592	ppbv	
60) o-Xylene	13.67	91	3919119	9.044	ppbv	98
61) Styrene	13.50	104	2194933	10.272	ppbv	97
62) Isopropylbenzene	14.64	105	5560383	9.185	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.65	83	2868835	8.459	ppbv	99
64) n-propylbenzene	15.54	120	1480386	9.476	ppbv	86
65) tert-Butylbenzene	16.72	119	4913244	9.002	ppbv	99
66) Benzyl Chloride	16.96	91	265437	8.899	ppbv	96
67) sec-Butylbenzene	17.27	105	6834984	9.230	ppbv	99
69) p-Isopropyltoluene	17.63	119	5662584	9.360	ppbv	99
70) n-Butylbenzene	18.52	91	5549705	9.695	ppbv	99
71) 2-Chlorotoluene	15.43	91	4087820	9.423	ppbv	99
72) 4-Ethyltoluene	15.81	105	4719974	9.489	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	4268203	9.205	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	4466144	9.145	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	2702730	8.907	ppbv	99
76) 1,4-Dichlorobenzene	17.11	146	2594952	8.671	ppbv	98
77) 1,2-Dichlorobenzene	17.79	146	2626794	9.127	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037740.D

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MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 49 Resp: 1448648

Ion Ratio Lower Upper

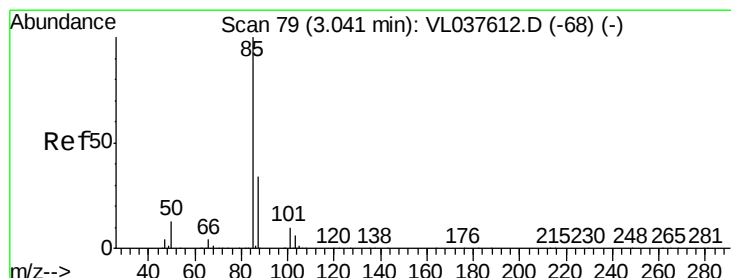
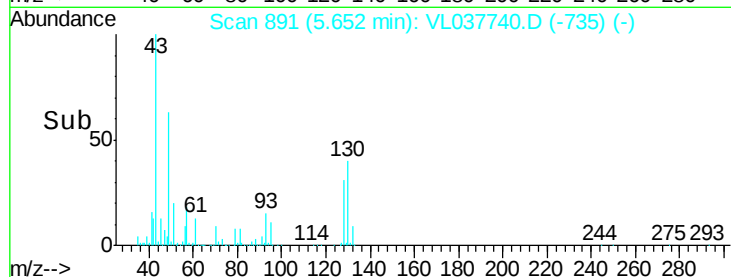
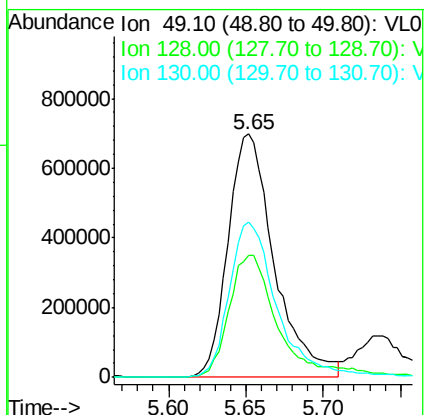
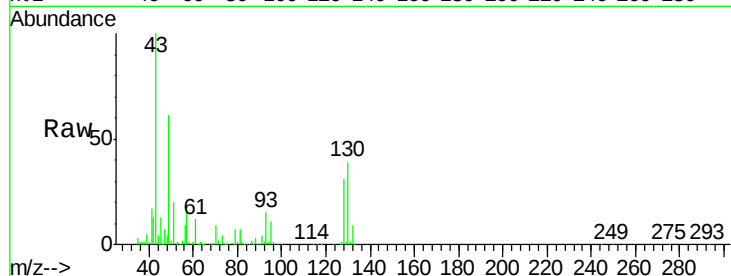
49 100

128 54.5 27.9 83.6

130 66.6 33.9 101.7

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#2

Dichlorodifluoromethane

Concen: 6.960 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL037740.D

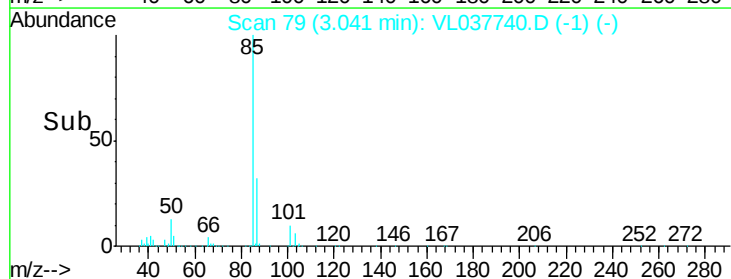
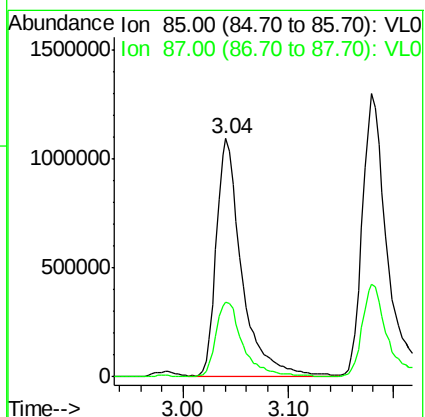
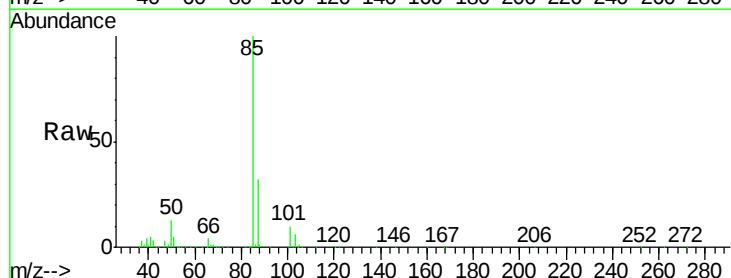
Acq: 1 Oct 2021 12:54

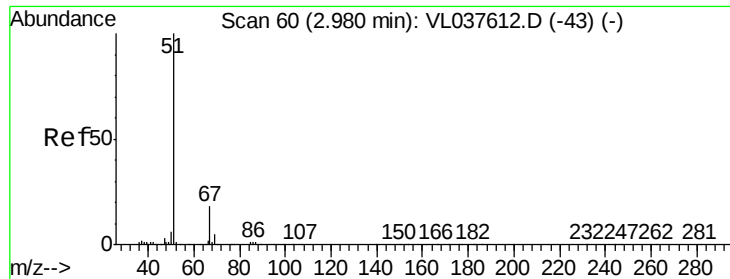
Tgt Ion: 85 Resp: 1824495

Ion Ratio Lower Upper

85 100

87 31.6 26.8 40.2





#3

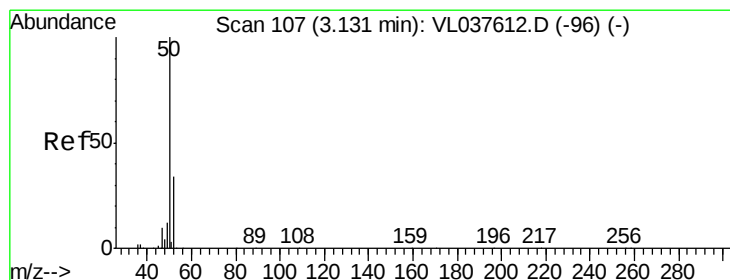
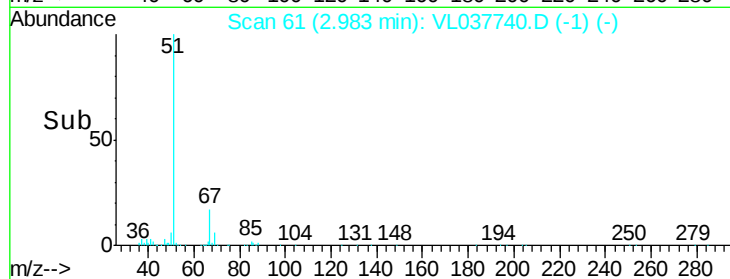
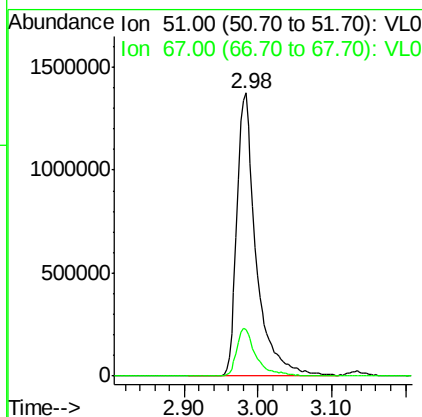
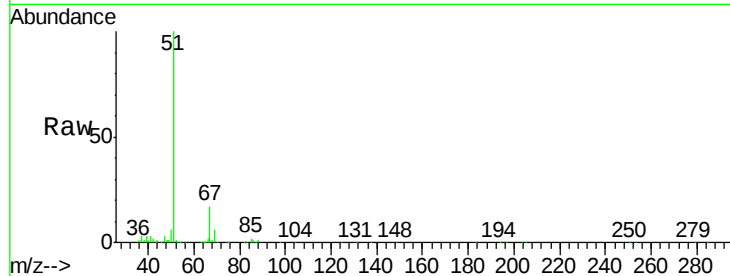
Chlorodifluoromethane
Concen: 9.142 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Instrument :
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ClientSampleId :
VL1001ABS01

Tot Ion: 51 Resp: 2498136
Ion Ratio Lower Upper
51 100
67 17.2 14.0 21.0

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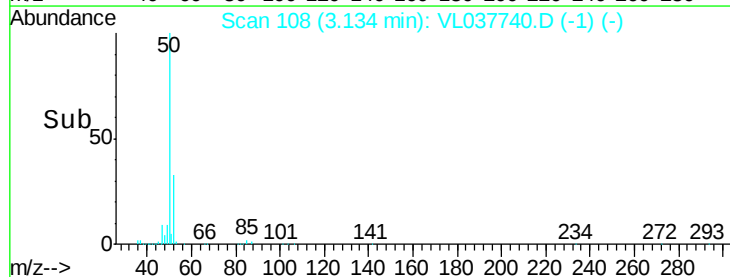
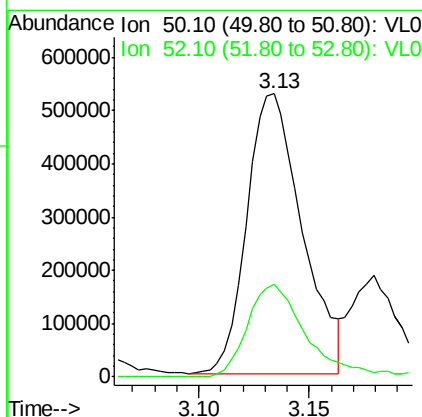
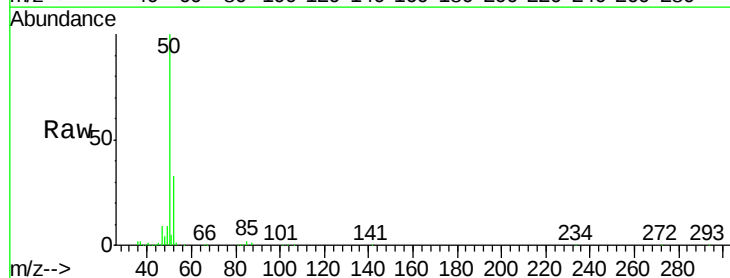
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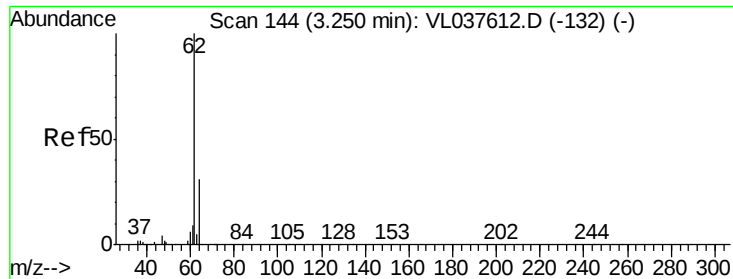


#4

Chloromethane
Concen: 9.083 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion: 50 Resp: 917029
Ion Ratio Lower Upper
50 100
52 33.1 27.1 40.7





#5

Vinyl Chloride

Concen: 9.915 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 62 Resp: 940187

Ion Ratio Lower Upper

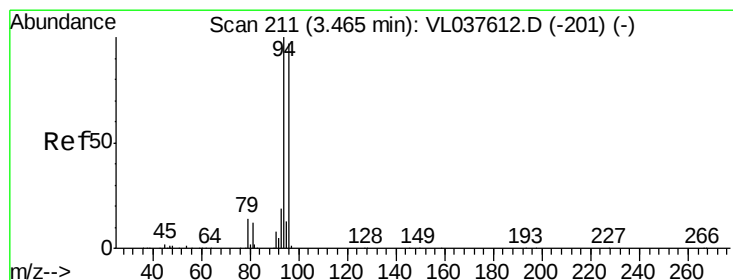
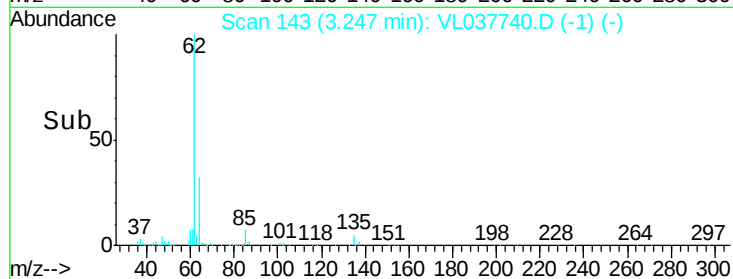
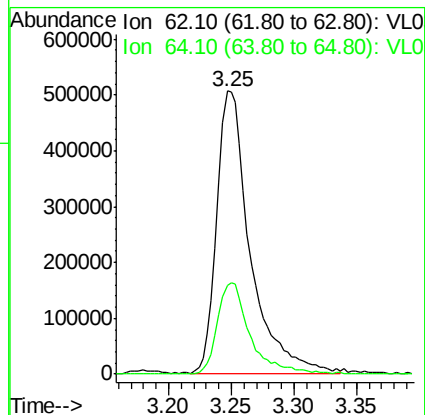
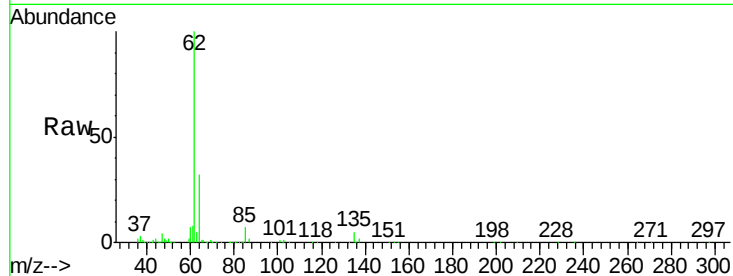
62 100

64 31.4 24.9 37.3

Manual Integrations
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#6

Bromomethane

Concen: 8.596 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL037740.D

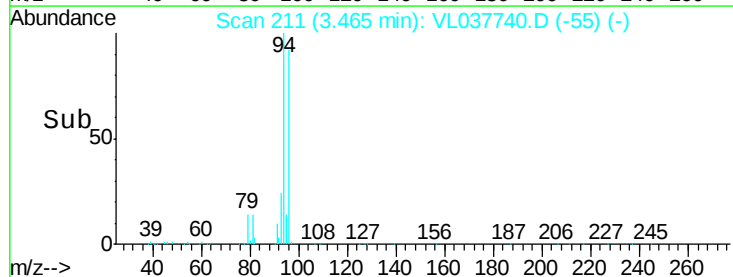
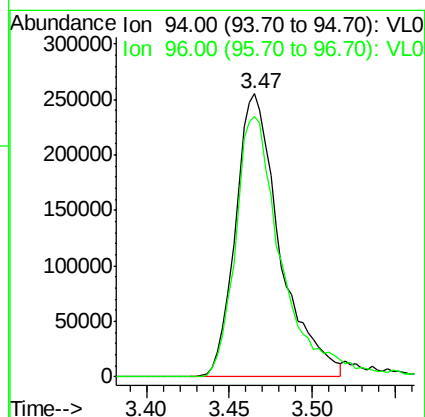
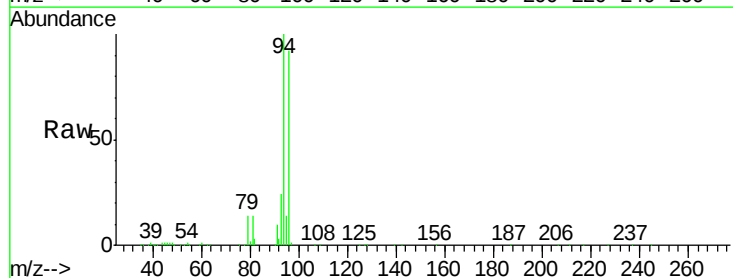
Acq: 1 Oct 2021 12:54

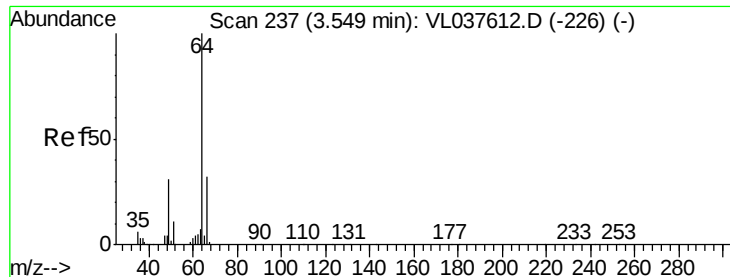
Tgt Ion: 94 Resp: 473766

Ion Ratio Lower Upper

94 100

96 92.0 77.3 115.9





#7

Chloroethane

Concen: 9.205 ppbv

RT: 3.55 min Scan# 237

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 64 Resp: 326194

Ion Ratio Lower Upper

64 100

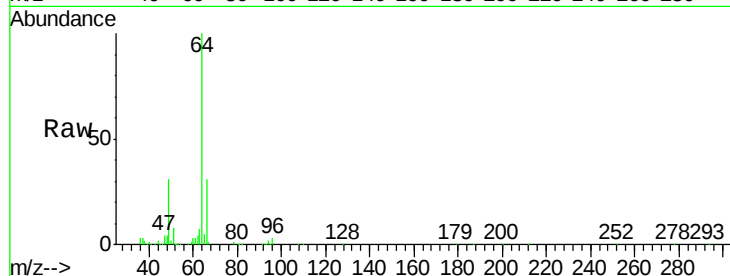
66 30.6 25.3 37.9

Manual Integrations

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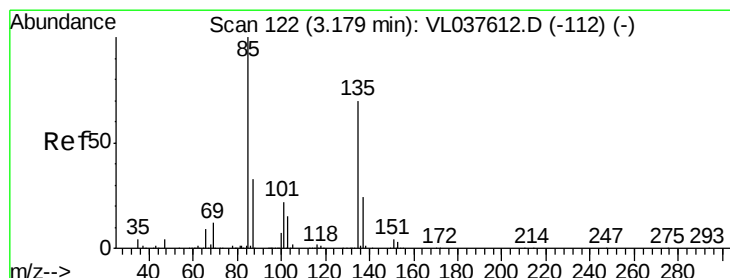
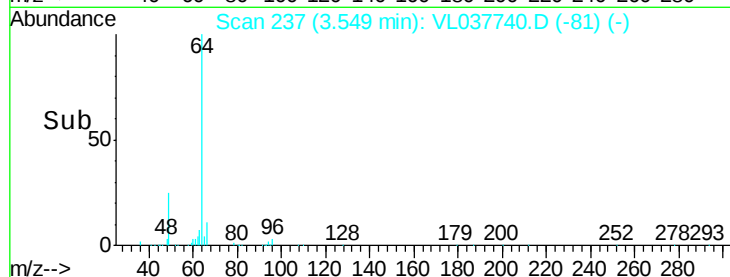
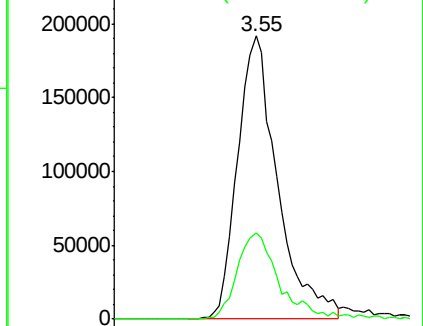
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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.384 ppbv

RT: 3.18 min Scan# 122

Delta R.T. 0.00 min

Lab File: VL037740.D

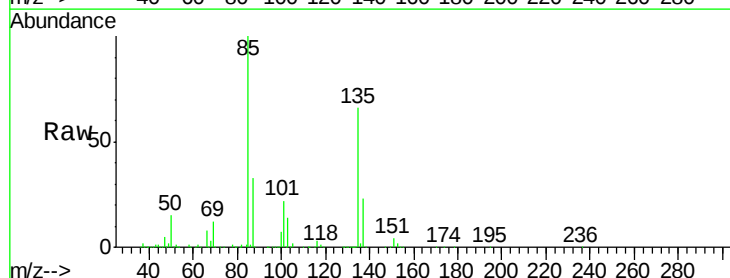
Acq: 1 Oct 2021 12:54

Tgt Ion: 85 Resp: 2122163

Ion Ratio Lower Upper

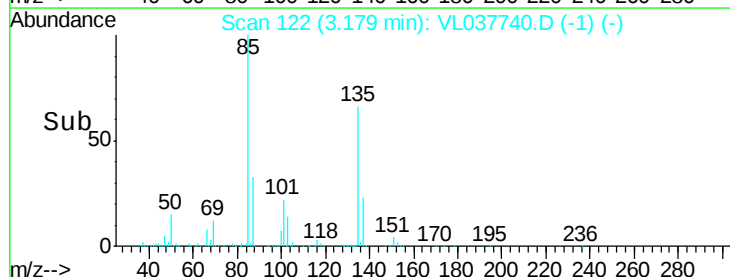
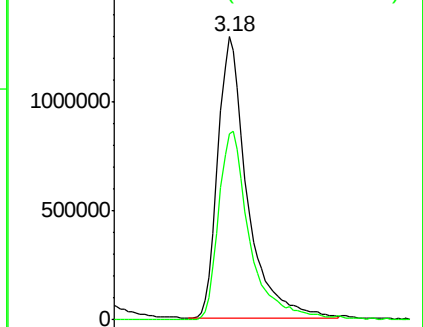
85 100

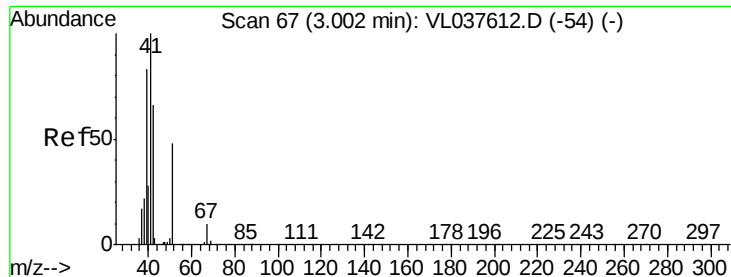
135 71.9 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 9.518 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 41 Resp: 917437

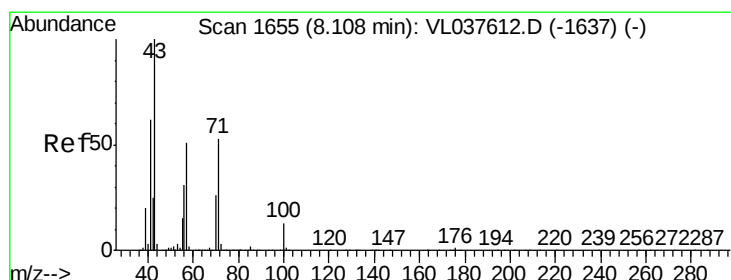
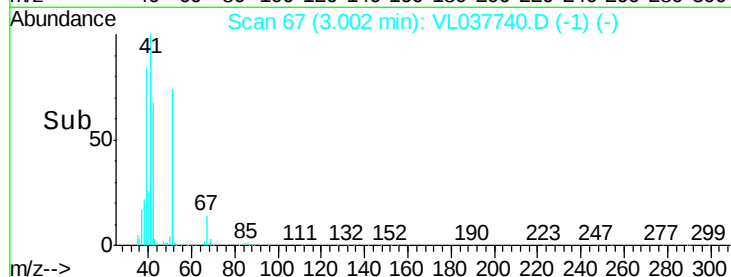
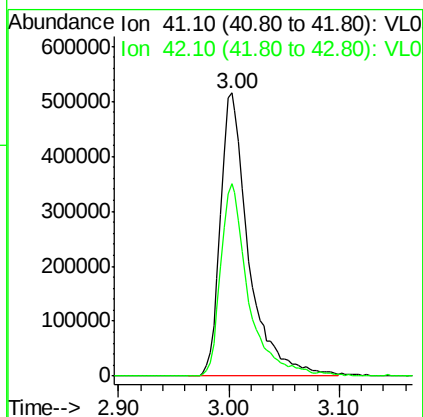
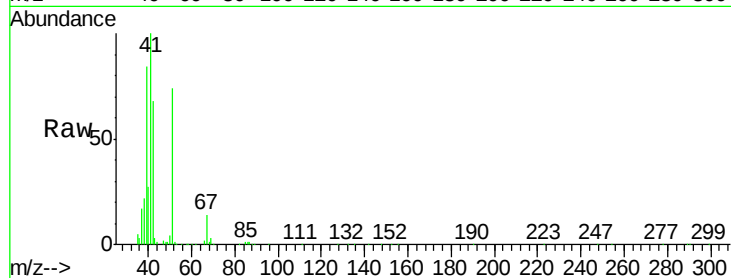
Ion Ratio Lower Upper

41 100

42 67.3 57.2 85.8

Manual Integrations
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#10

Heptane

Concen: 10.041 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. -0.00 min

Lab File: VL037740.D

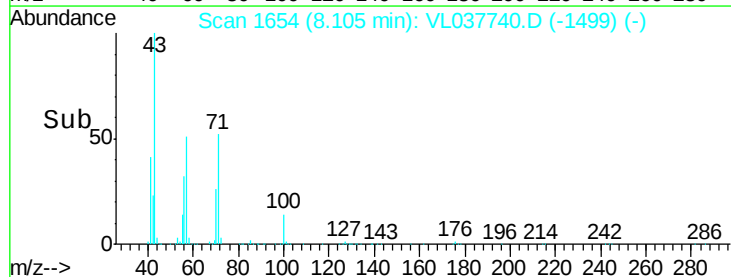
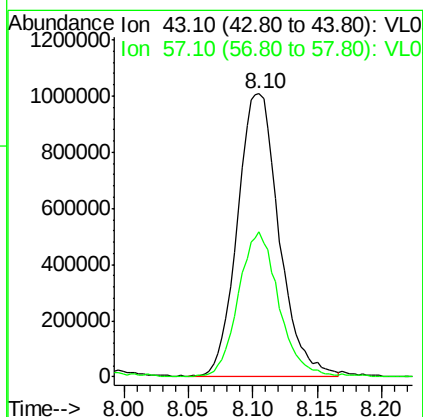
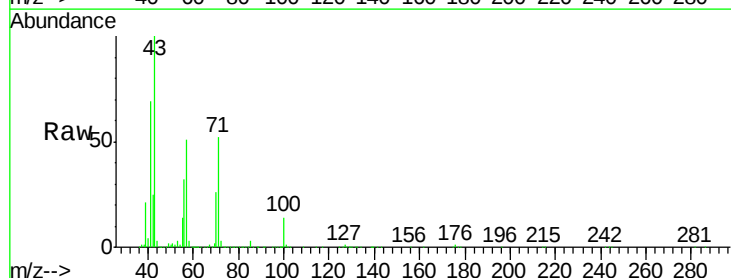
Acq: 1 Oct 2021 12:54

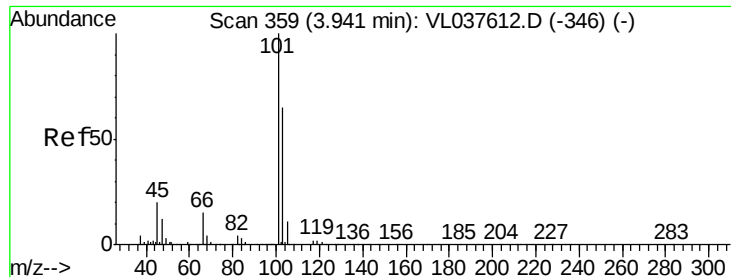
Tgt Ion: 43 Resp: 2258348

Ion Ratio Lower Upper

43 100

57 50.0 40.1 60.1





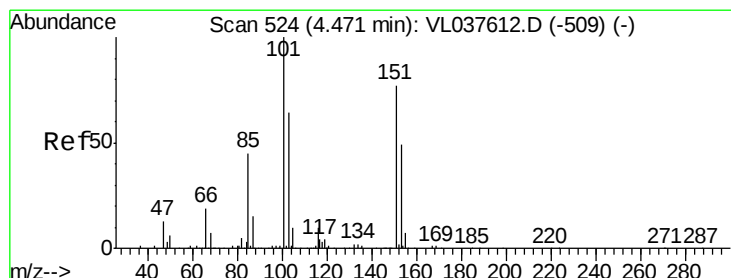
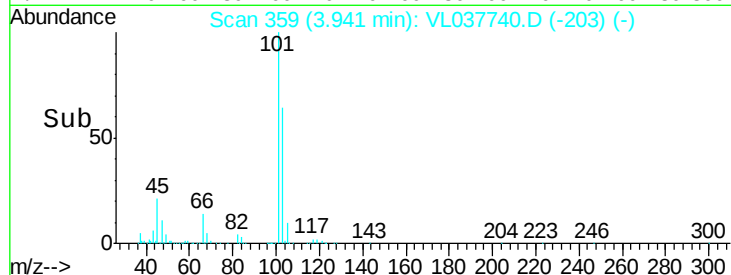
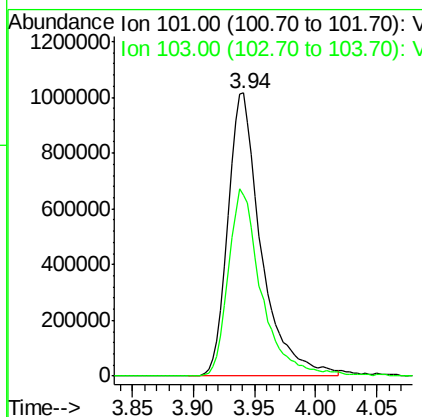
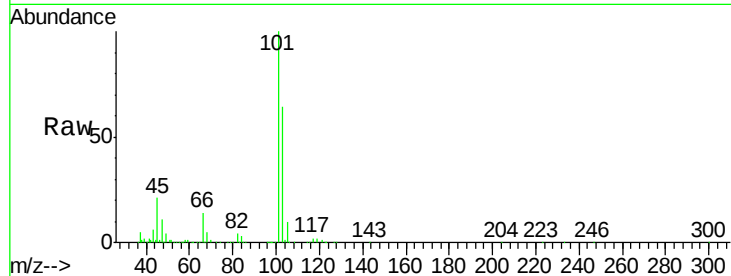
#11
 Trichlorofluoromethane
 Concen: 9.227 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion:101 Resp: 1941886
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.9 77.9

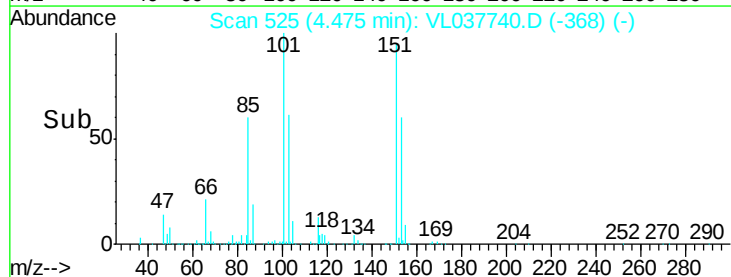
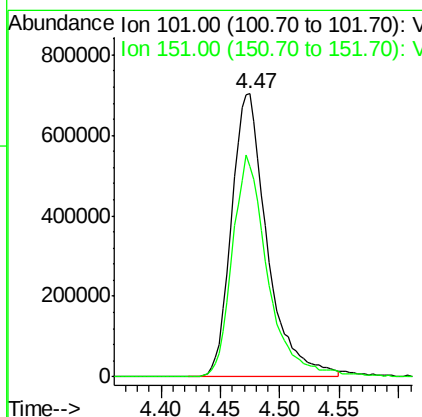
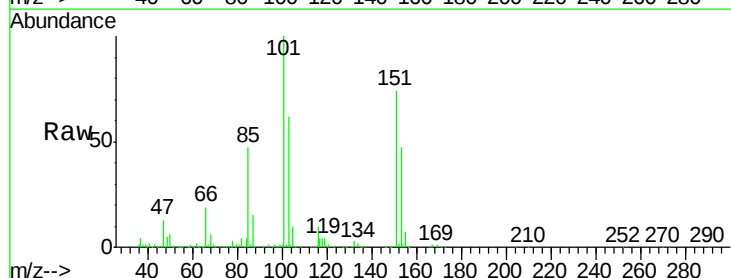
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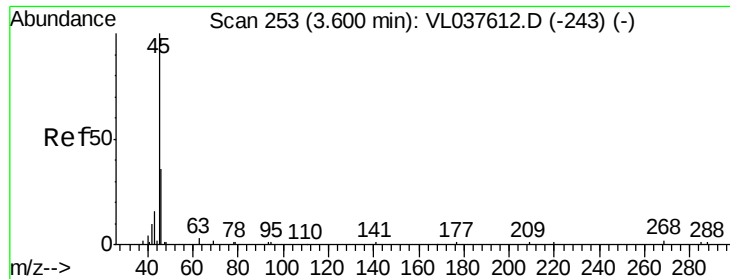
MMDadoda
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.427 ppbv
 RT: 4.47 min Scan# 525
 Delta R.T. 0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion:101 Resp: 1464436
 Ion Ratio Lower Upper
 101 100
 151 77.9 63.5 95.3





#13

Ethanol

Concen: 9.554 ppbv m

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 45 Resp: 90078

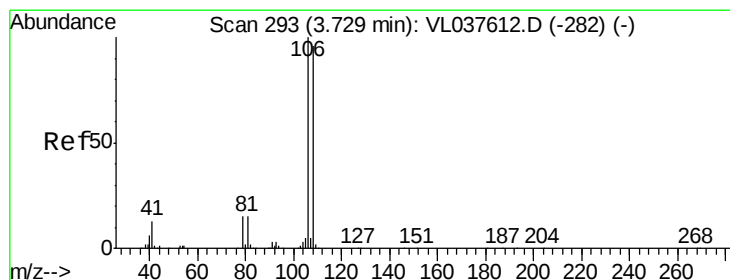
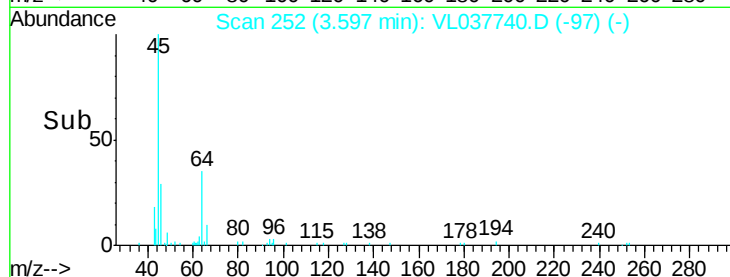
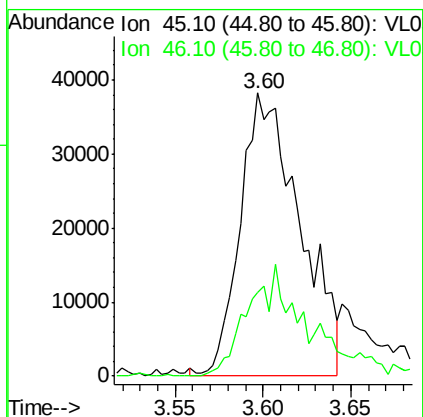
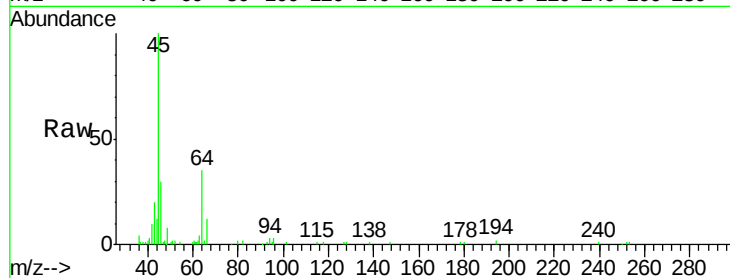
Ion Ratio Lower Upper

45 100

46 42.5 17.2 68.8

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#14

Bromoethene

Concen: 9.346 ppbv

RT: 3.73 min Scan# 293

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

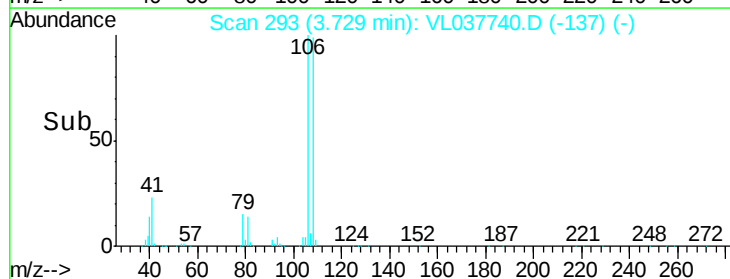
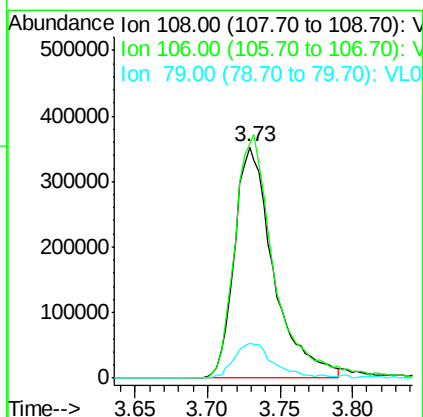
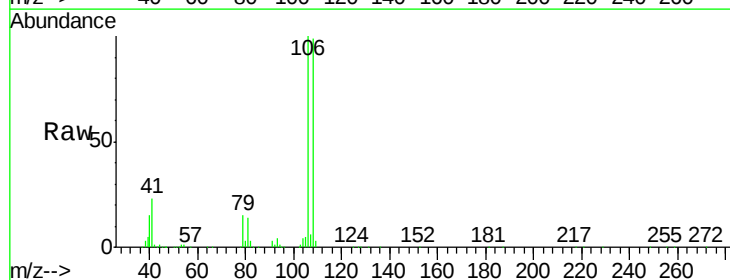
Tgt Ion: 108 Resp: 660856

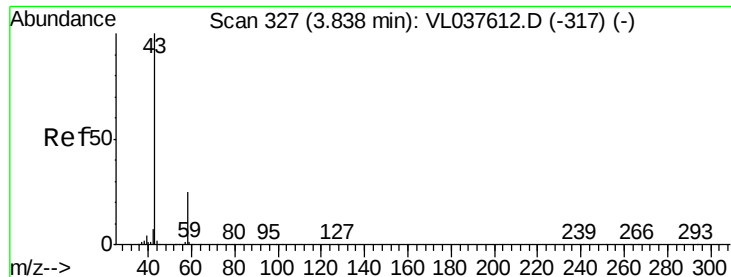
Ion Ratio Lower Upper

108 100

106 108.4 88.2 132.4

79 16.3 12.8 19.2





#15

Acetone

Concen: 7.401 ppbv

RT: 3.84 min Scan# 327

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Tot Ion: 43 Resp: 1114000

Ion Ratio Lower Upper

43 100

58 28.0 24.9 37.3

Instrument :

MSVOA_L

ClientSampleId :

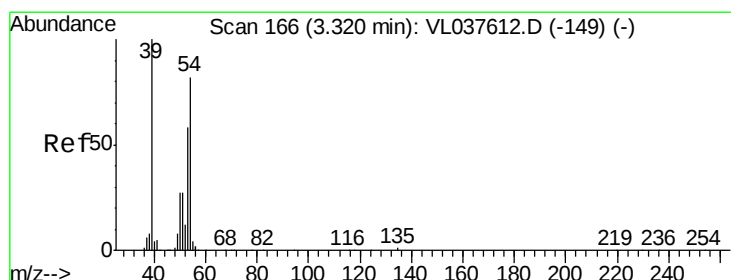
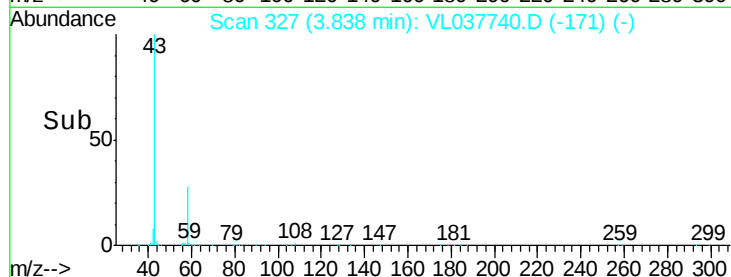
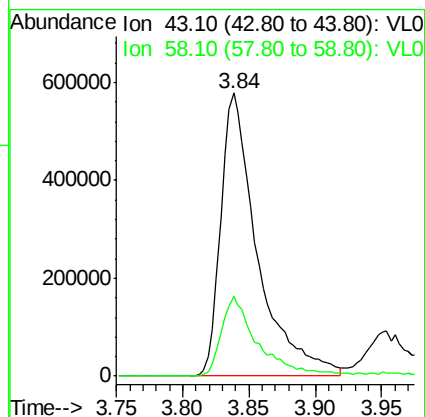
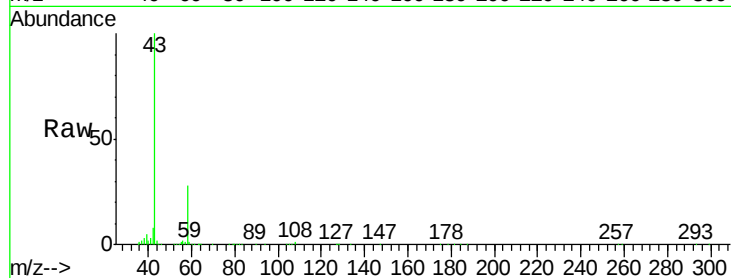
VL1001ABS01

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#16

1,3-Butadiene

Concen: 9.590 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.00 min

Lab File: VL037740.D

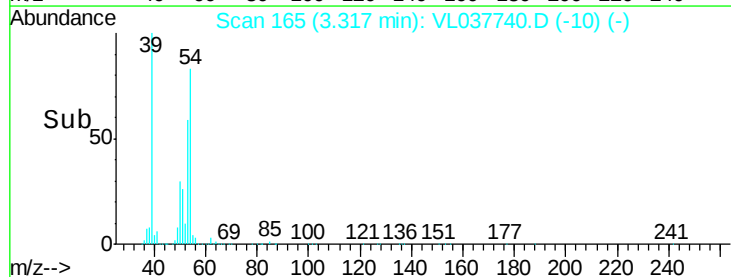
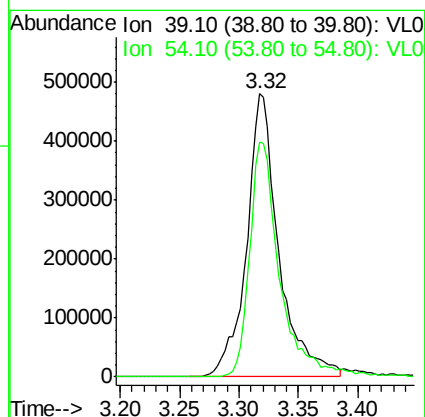
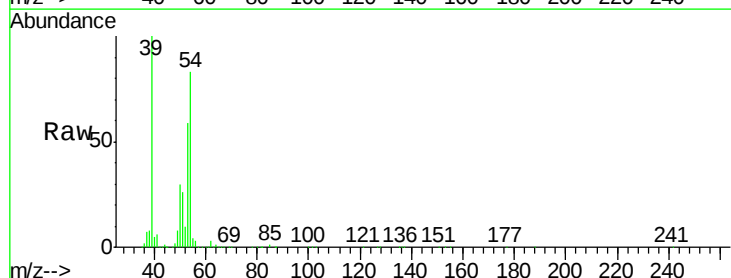
Acq: 1 Oct 2021 12:54

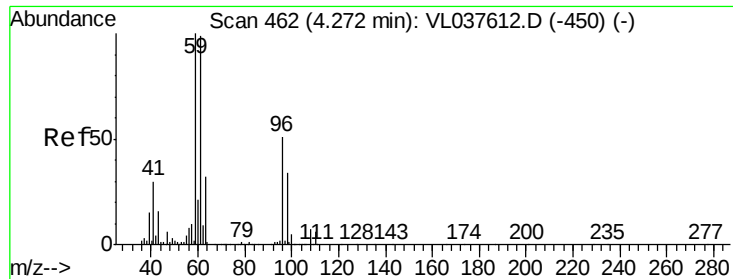
Tgt Ion: 39 Resp: 901969

Ion Ratio Lower Upper

39 100

54 78.5 62.6 93.8





#17

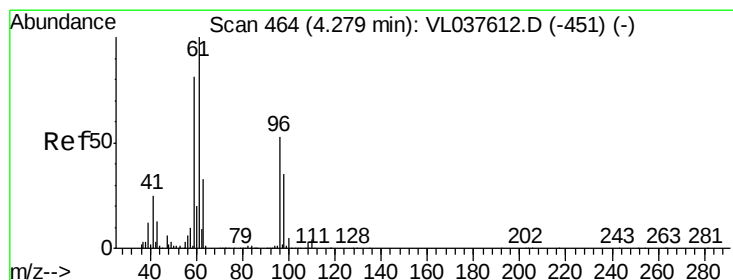
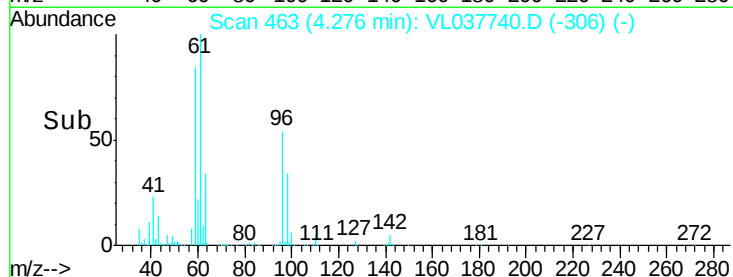
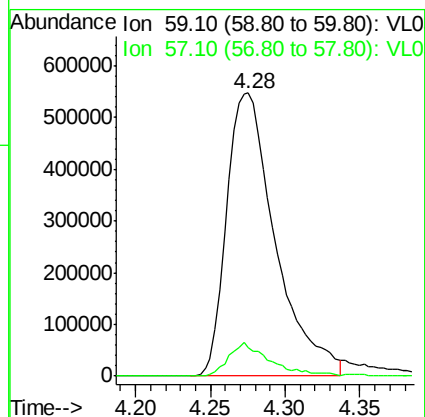
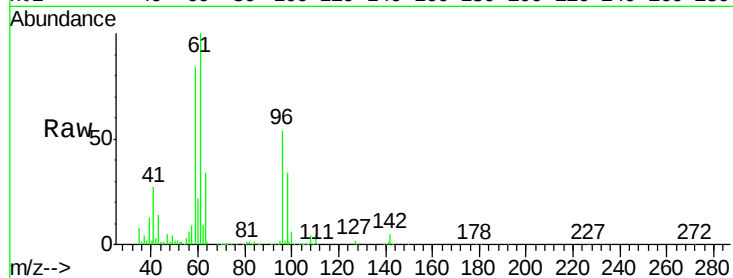
tert-Butyl alcohol
Concen: 9.726 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion: 59 Resp: 1241329
Ion Ratio Lower Upper
59 100
57 10.6 8.4 12.6

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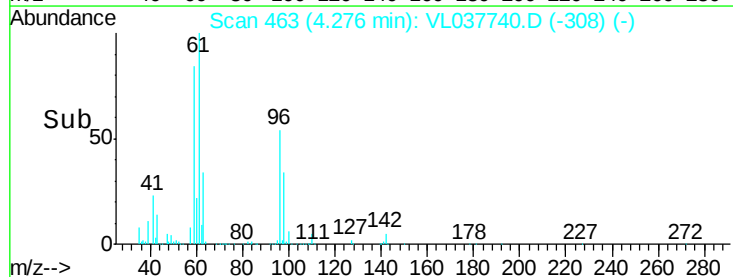
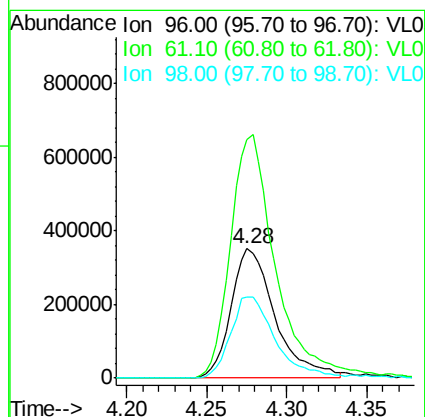
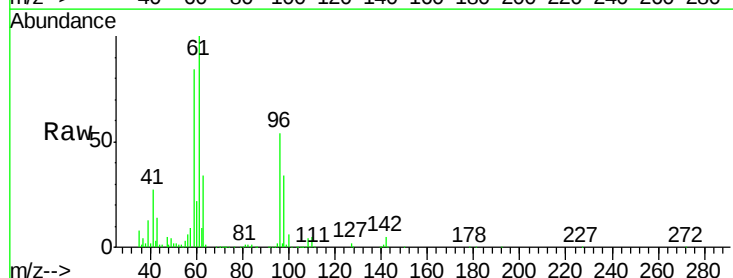
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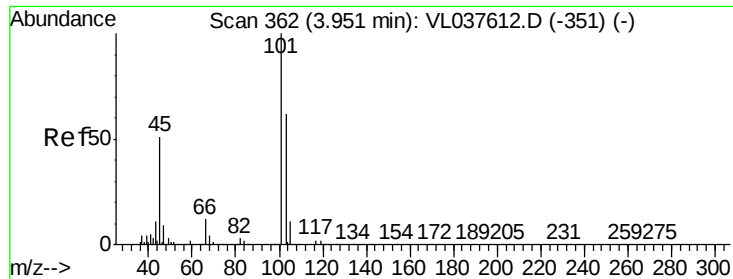


#18

1,1-Dichloroethene
Concen: 9.107 ppbv
RT: 4.28 min Scan# 463
Delta R.T. -0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion: 96 Resp: 659072
Ion Ratio Lower Upper
96 100
61 184.6 150.4 225.6
98 62.9 52.1 78.1





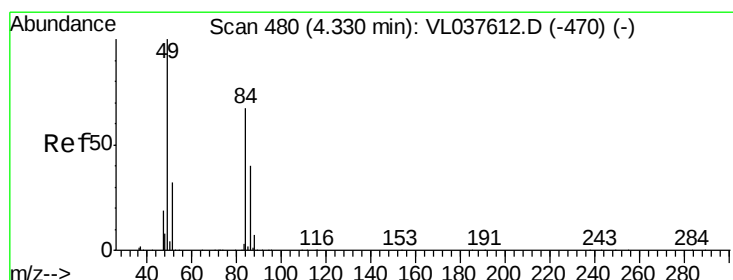
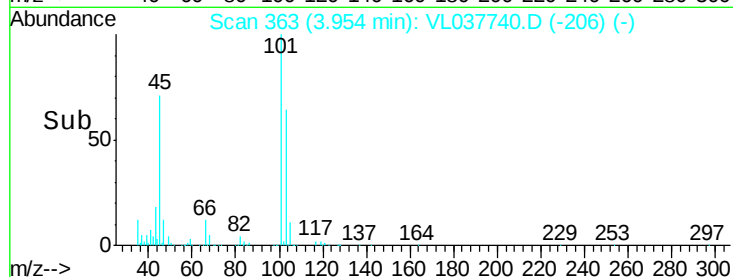
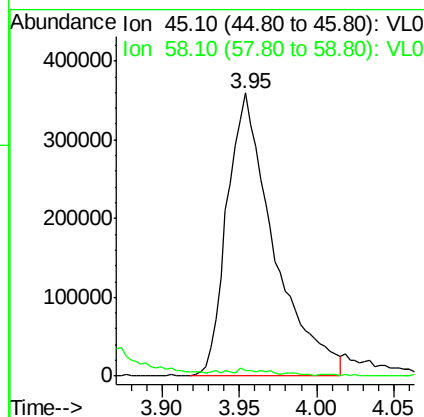
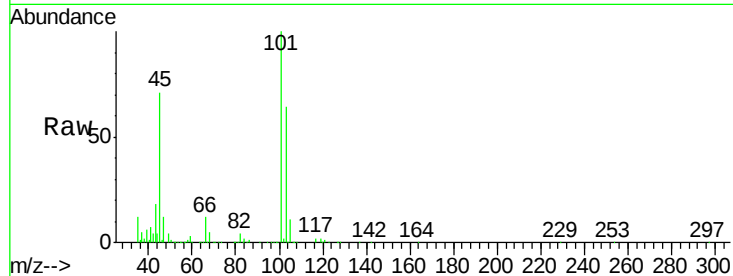
#19
Isopropyl Alcohol
Concen: 9.194 ppbv
RT: 3.95 min Scan# 363
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion: 45 Resp: 752960
Ion Ratio Lower Upper
45 100
58 2.2 2.9 4.3#

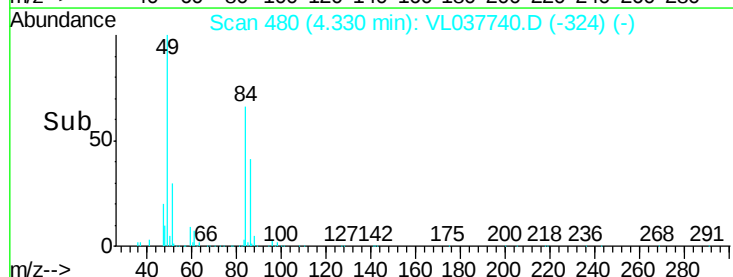
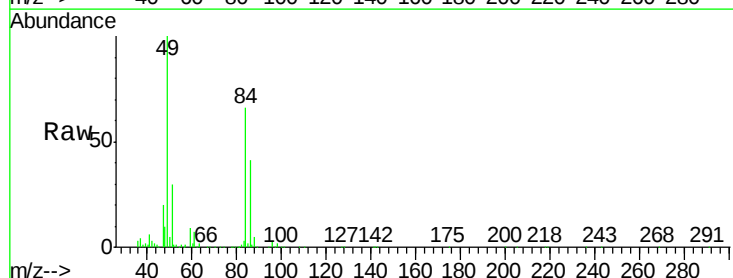
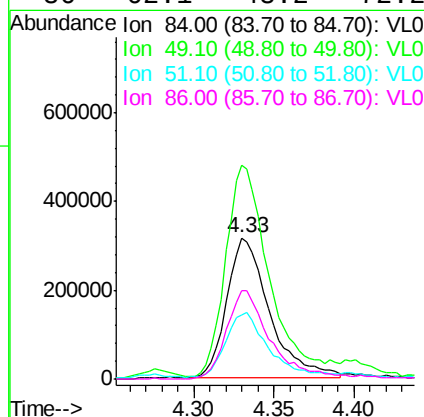
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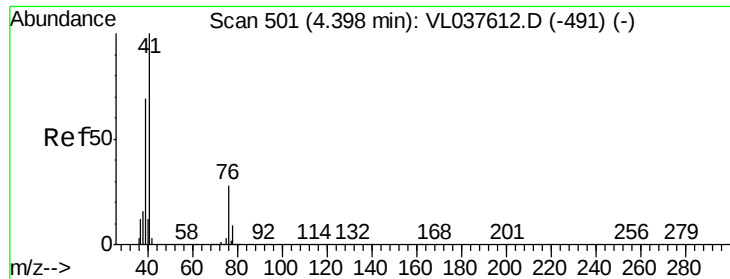
MMDadoda
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#20
Methylene Chloride
Concen: 8.082 ppbv
RT: 4.33 min Scan# 480
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion: 84 Resp: 580734
Ion Ratio Lower Upper
84 100
49 150.1 120.0 180.0
51 43.7 38.0 57.0
86 62.1 48.2 72.2





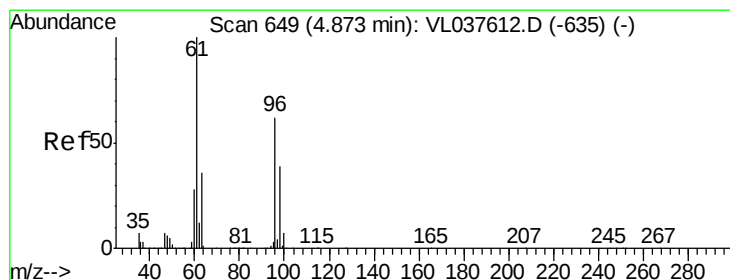
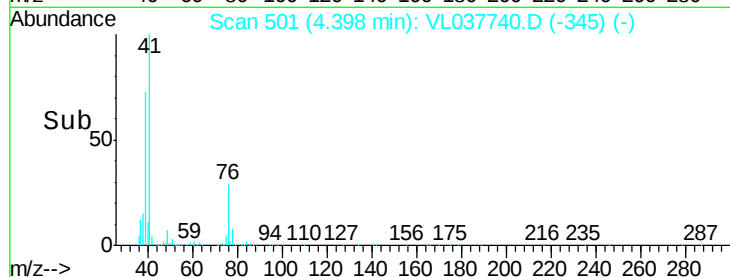
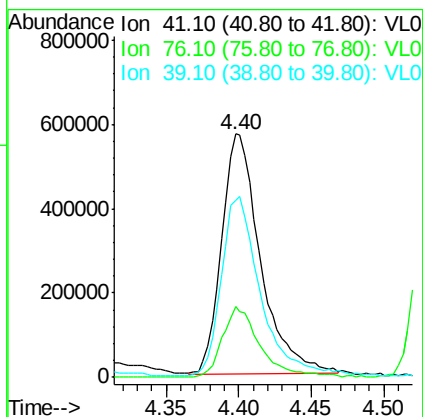
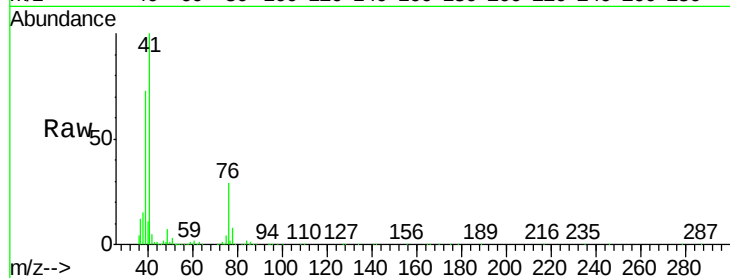
#21
Allvl Chloride
Concen: 9.436 ppbv
RT: 4.40 min Scan# 501
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion: 41 Resp: 1061074
Ion Ratio Lower Upper
41 100
76 28.9 23.1 34.7
39 77.8 61.0 91.6

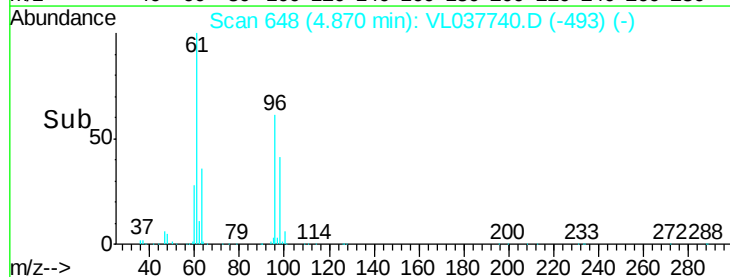
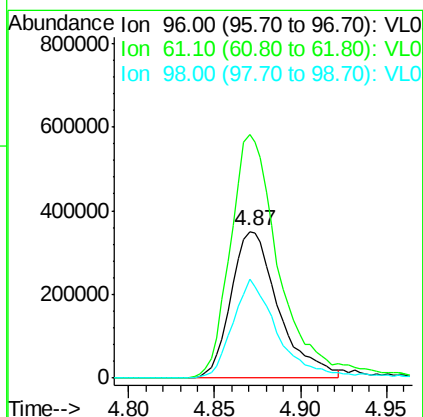
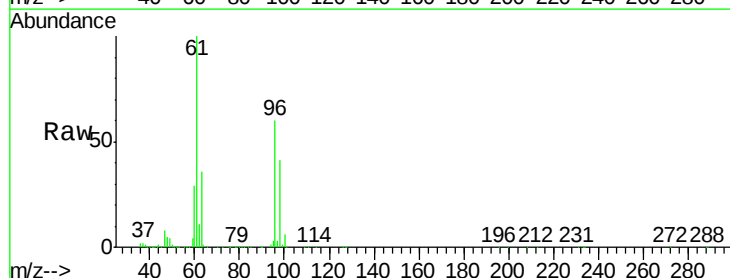
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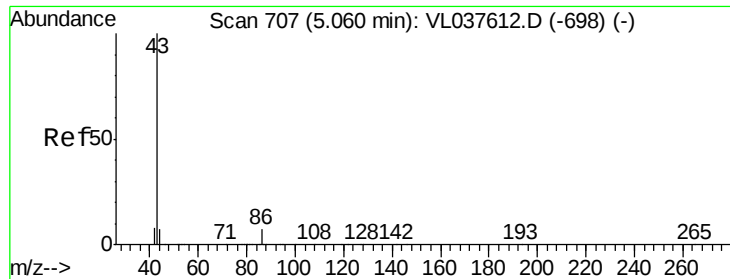
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#22
trans-1,2-Dichloroethene
Concen: 9.289 ppbv
RT: 4.87 min Scan# 648
Delta R.T. -0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion: 96 Resp: 676362
Ion Ratio Lower Upper
96 100
61 165.3 129.2 193.8
98 67.4 50.4 75.6





#23

Vinyl Acetate

Concen: 8.086 ppbv

RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 43 Resp: 1684064

Ion Ratio Lower Upper

43 100

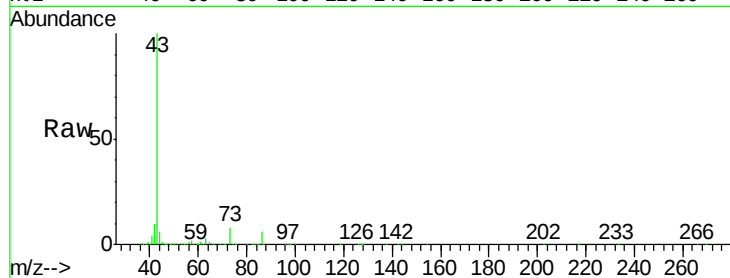
86 5.8 5.0 7.6

42 10.0 7.5 11.3

44 5.4 4.7 7.1

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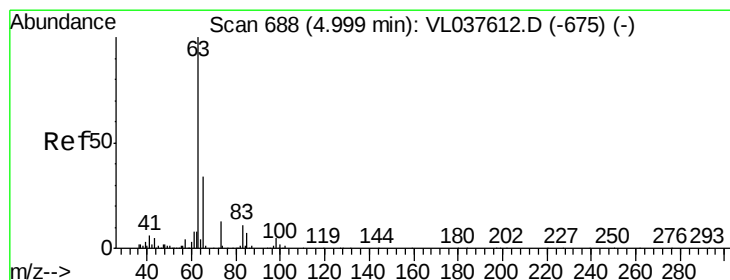
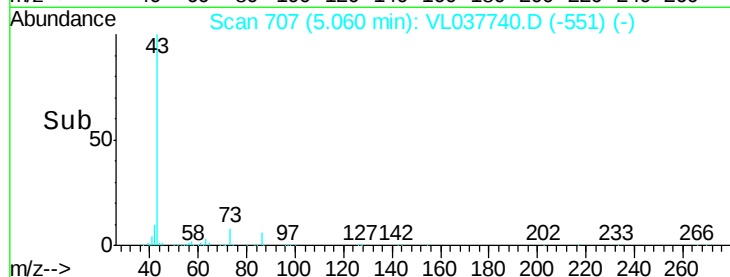
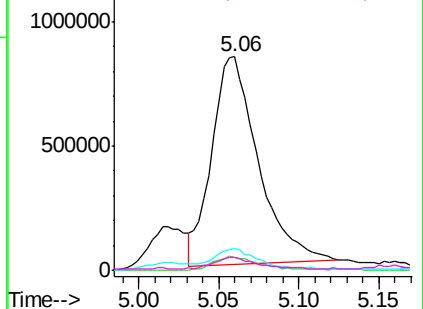


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.036 ppbv

RT: 5.00 min Scan# 687

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

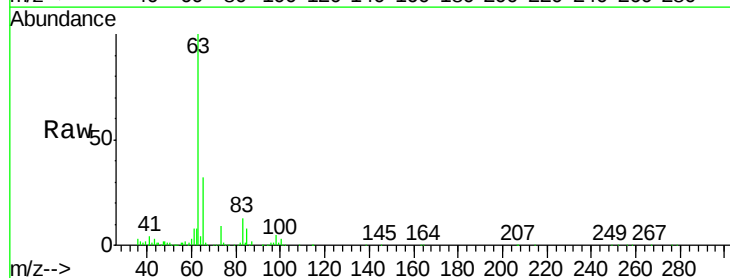
Tgt Ion: 63 Resp: 1348237

Ion Ratio Lower Upper

63 100

98 4.1 2.4 7.2

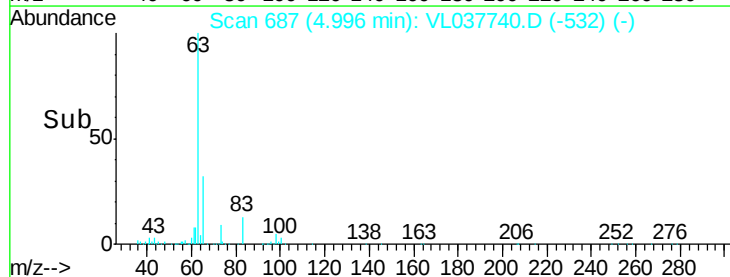
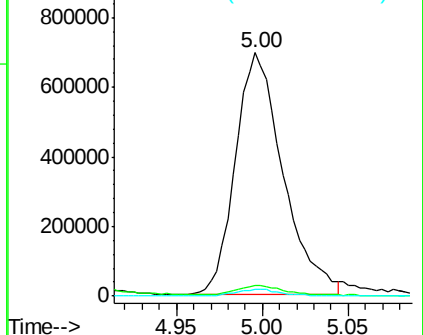
100 2.8 1.1 3.5

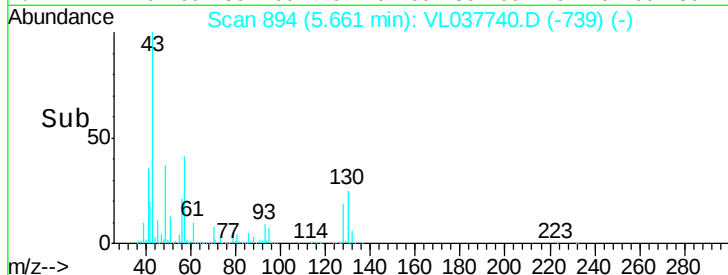
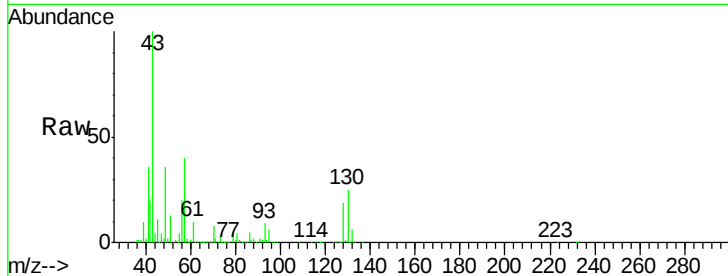
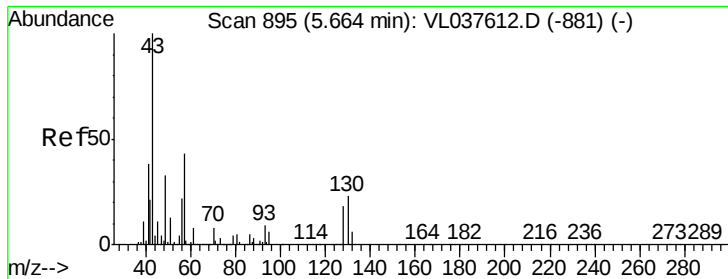


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.756 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Tot Ion: 43 Resp: 3556302

Ion Ratio Lower Upper

43 100

45 9.6 8.0 12.0

61 9.5 7.5 11.3

70 7.1 5.6 8.4

Instrument :

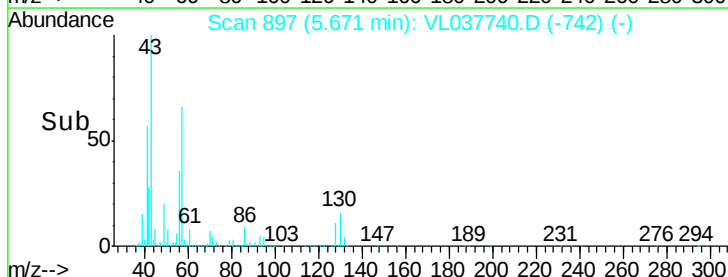
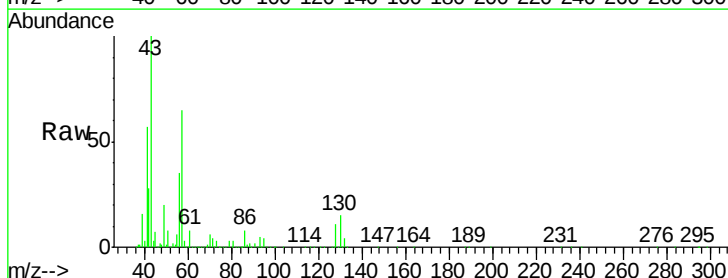
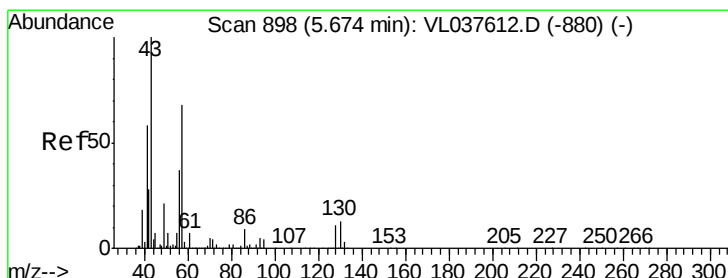
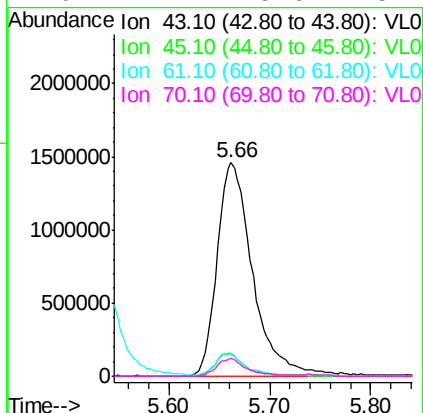
MSVOA_L

ClientSampleId :

VL1001ABS01

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#26

Hexane

Concen: 9.766 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Tgt Ion: 57 Resp: 1691220

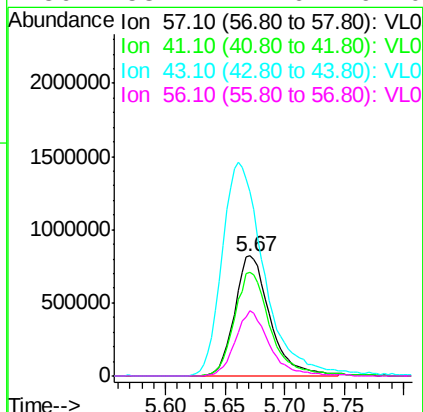
Ion Ratio Lower Upper

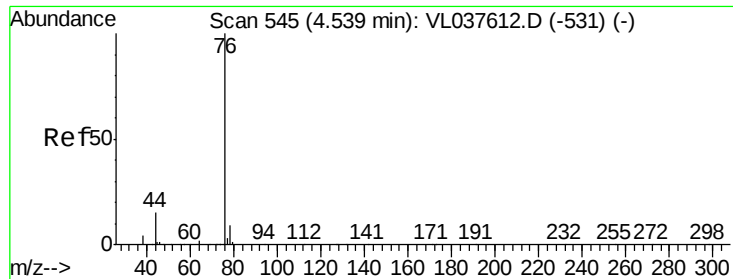
57 100

41 89.0 70.9 106.3

43 213.7 170.4 255.6

56 53.1 42.6 64.0





#27

Carbon Disulfide

Concen: 10.326 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 76 Resp: 1635862

Ion Ratio Lower Upper

76 100

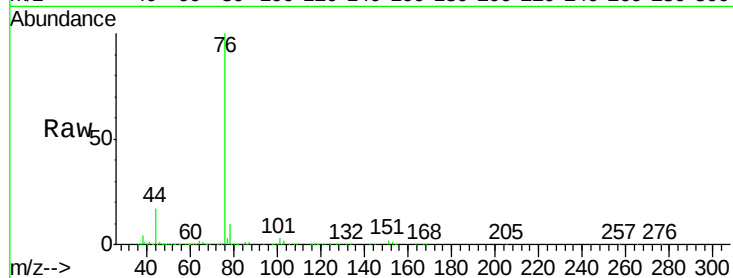
44 17.5 14.2 21.2

78 9.8 7.4 11.0

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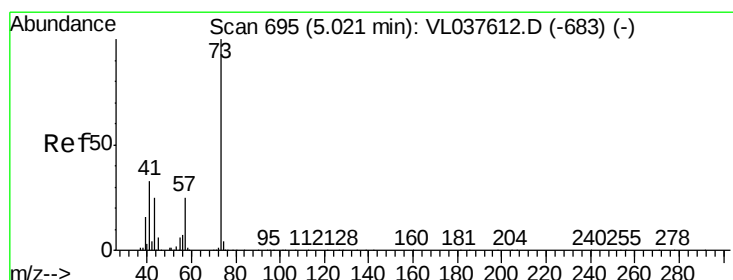
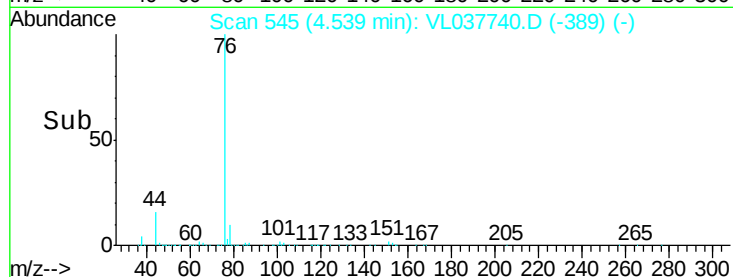
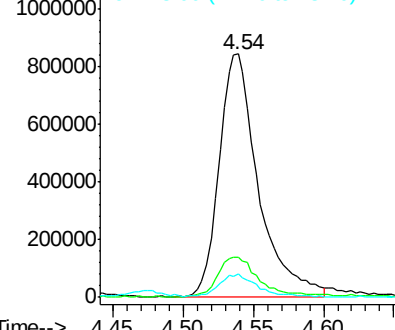
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Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.095 ppbv

RT: 5.02 min Scan# 694

Delta R.T. -0.00 min

Lab File: VL037740.D

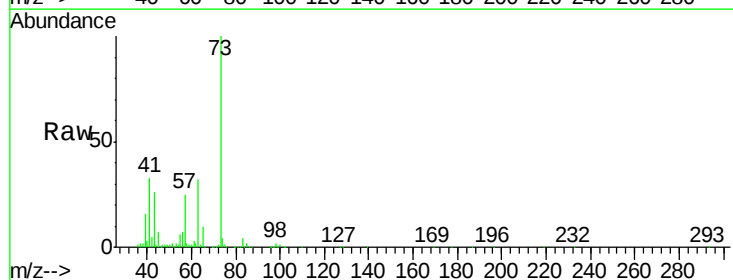
Acq: 1 Oct 2021 12:54

Tgt Ion: 73 Resp: 1387171

Ion Ratio Lower Upper

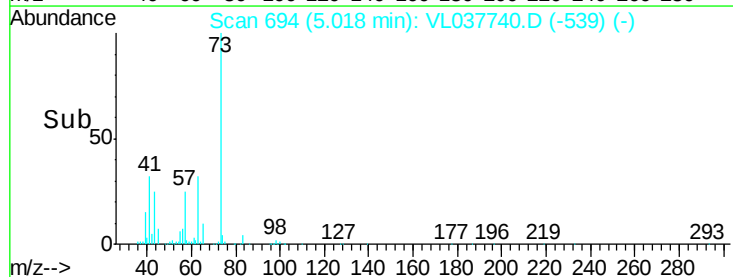
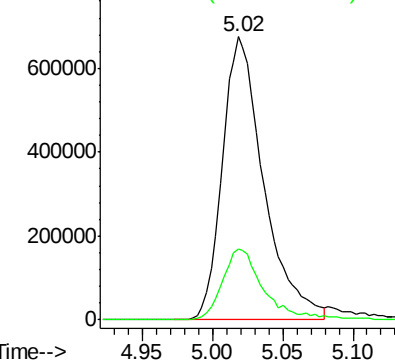
73 100

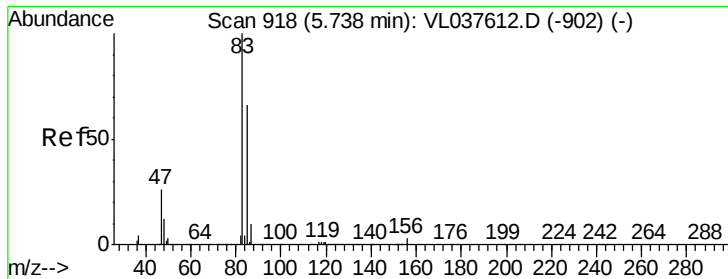
57 25.5 20.1 30.1



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





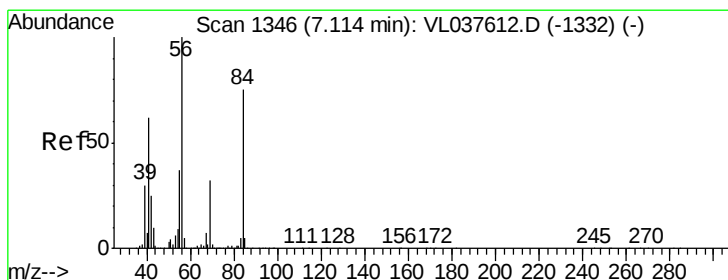
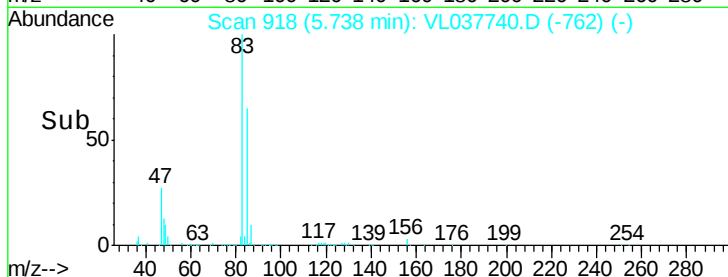
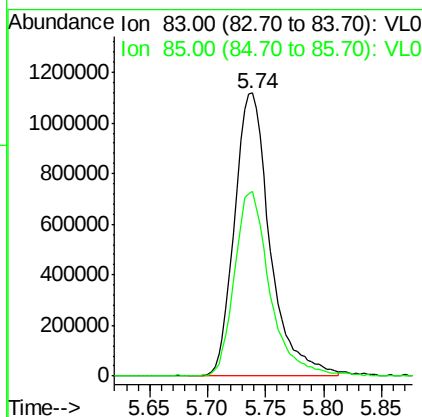
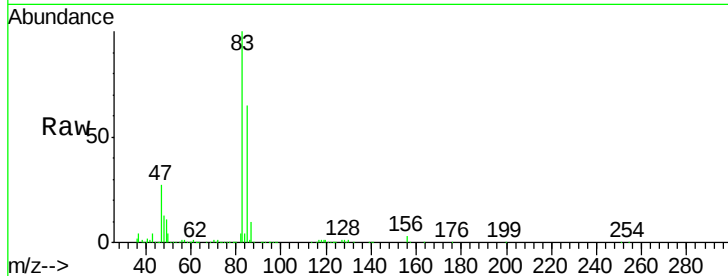
#29
Chloroform
Concen: 9.405 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion: 83 Resp: 2378171
Ion Ratio Lower Upper
83 100
85 65.3 52.6 79.0

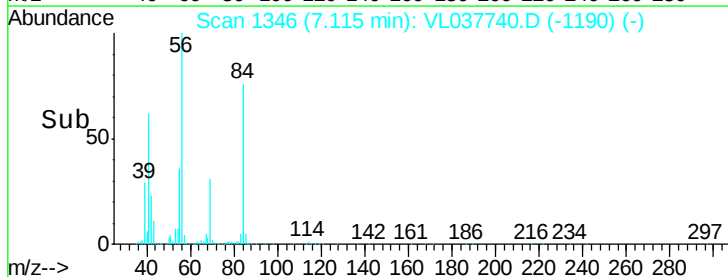
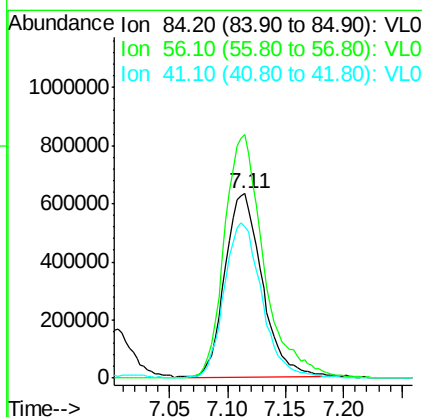
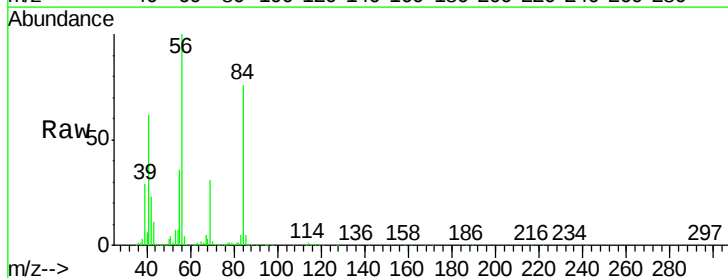
Manual Integrations
APPROVED

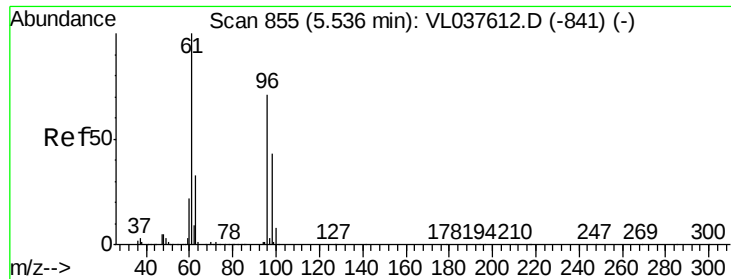
MMDadoda
10/4/2021 5:49:54 PM



#30
Cyclohexane
Concen: 9.543 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion: 84 Resp: 1413325
Ion Ratio Lower Upper
84 100
56 140.6 113.6 170.4
41 85.6 67.9 101.9





#31

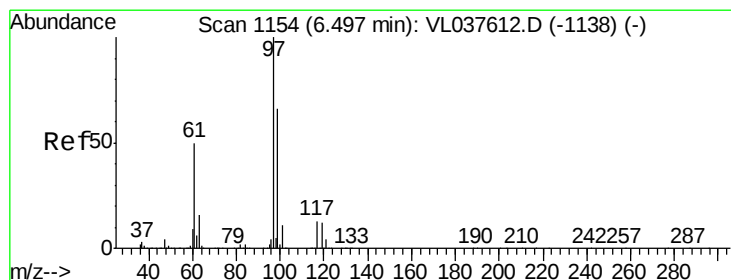
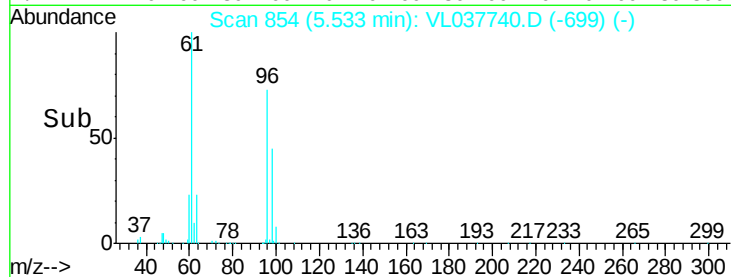
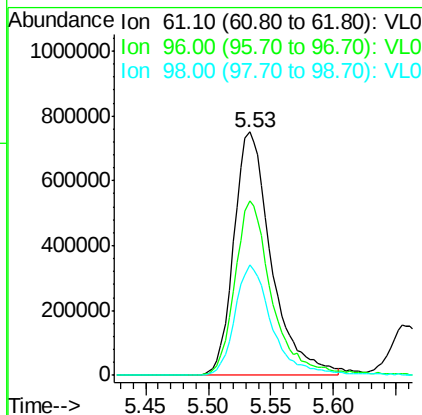
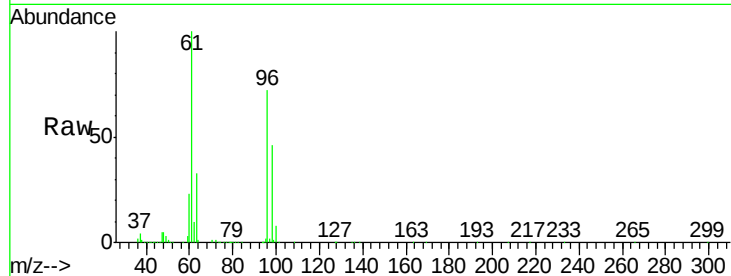
cis-1,2-Dichloroethene
Concen: 9.952 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion	Ratio	Lower	Upper
61	100		
96	71.7	56.7	85.1
98	45.5	34.6	52.0

Manual Integrations
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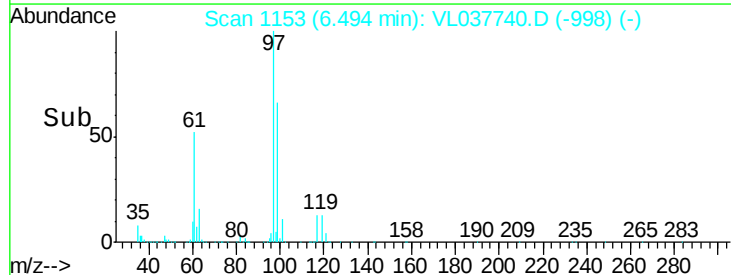
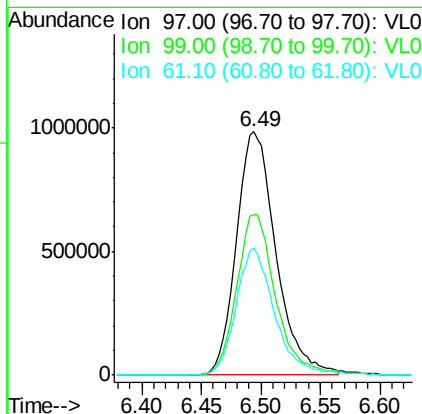
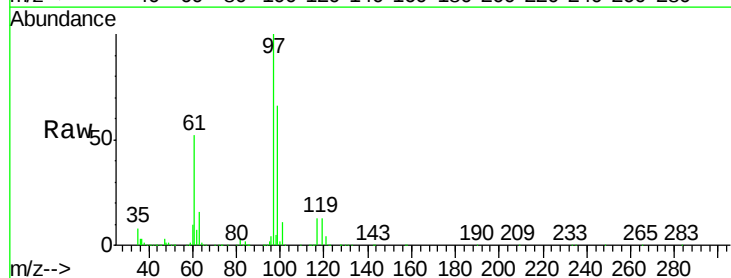
MMDadoda
10/4/2021 5:49:54 PM

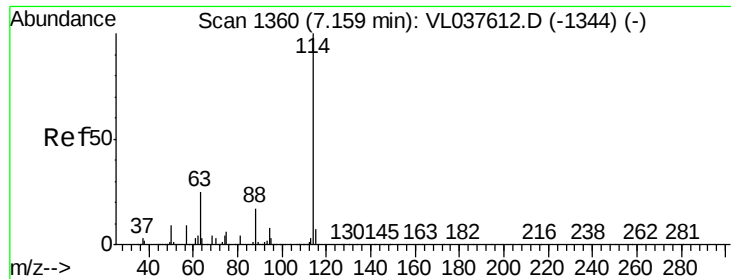


#32

1,1,1-Trichloroethane
Concen: 9.650 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion	Ratio	Lower	Upper
97	100		
99	65.2	52.3	78.5
61	51.1	39.5	59.3





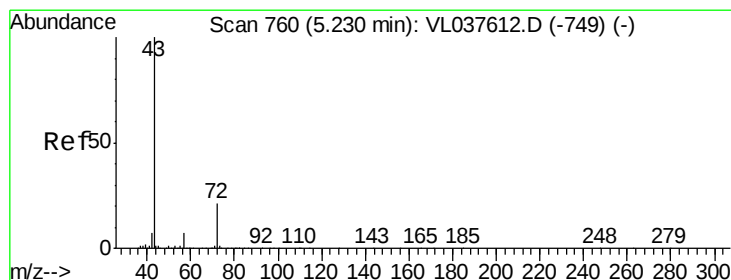
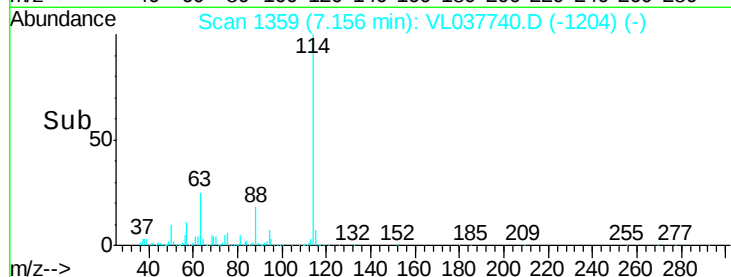
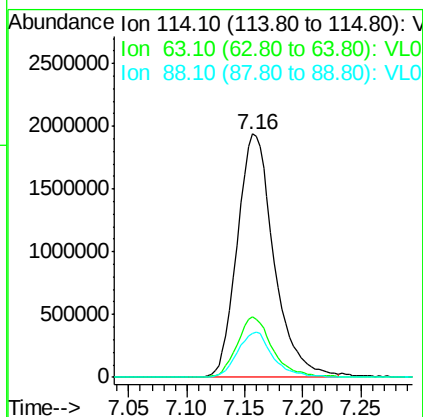
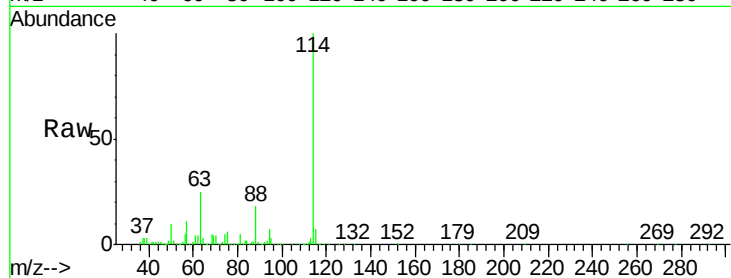
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion:114 Resp: 4264969
 Ion Ratio Lower Upper
 114 100
 63 24.6 19.6 29.4
 88 18.0 14.2 21.4

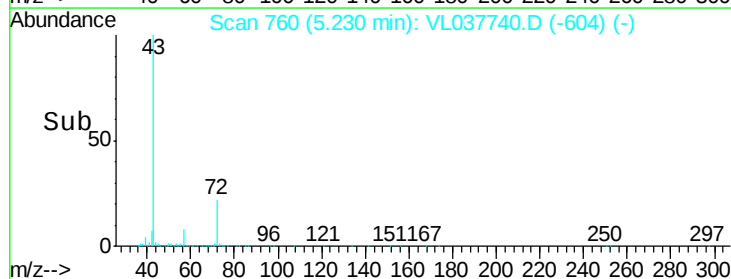
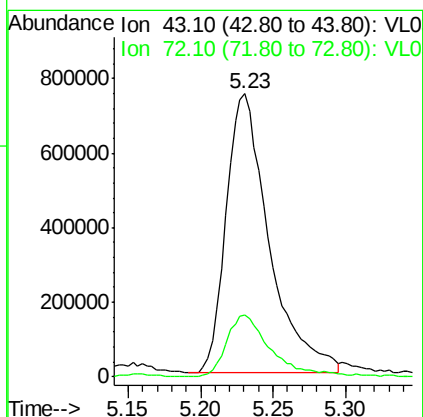
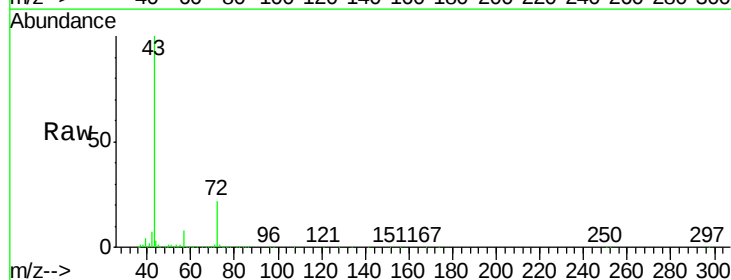
Manual Integrations
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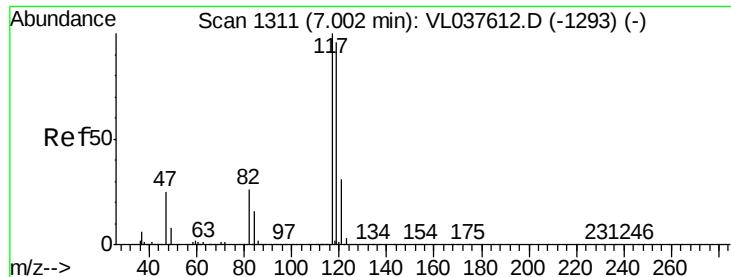
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#34
 2-Butanone
 Concen: 8.919 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion: 43 Resp: 1545799
 Ion Ratio Lower Upper
 43 100
 72 23.3 18.4 27.6





#35

Carbon Tetrachloride

Concen: 9.877 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion:117 Resp: 2382922

Ion Ratio Lower Upper

117 100

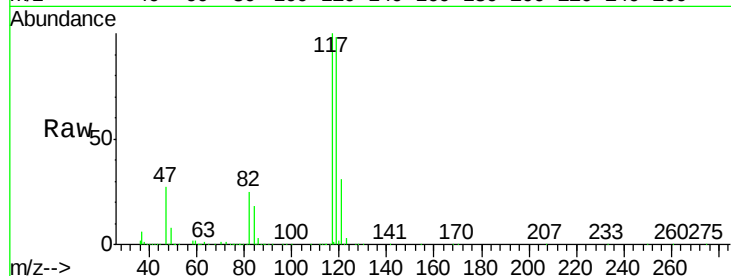
119 97.8 77.0 115.6

121 31.3 24.5 36.7

Manual Integrations
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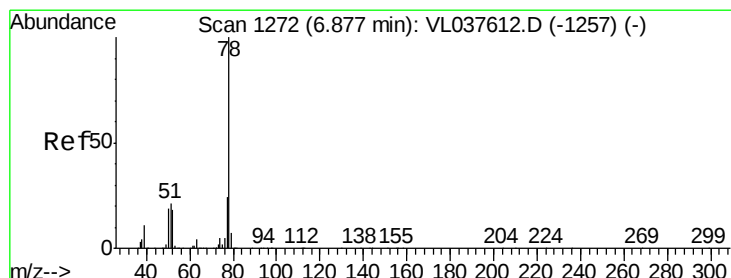
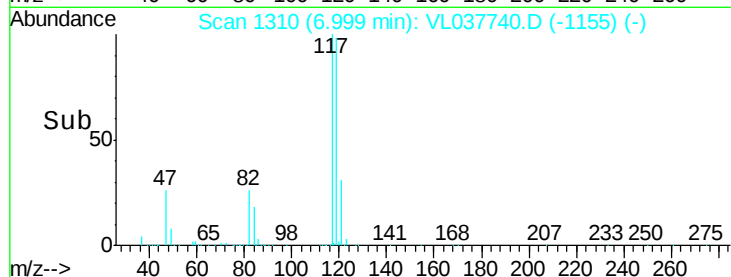
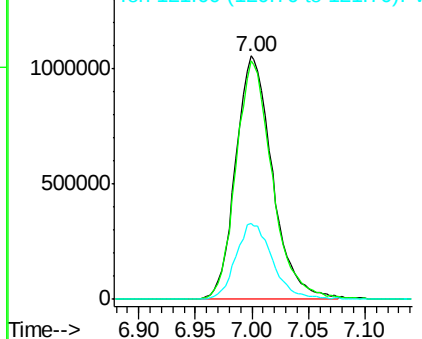
10/4/2021 5:49:54 PM



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 9.786 ppbv

RT: 6.87 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

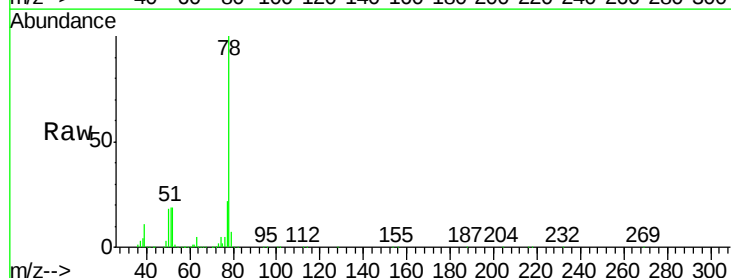
Tgt Ion: 78 Resp: 3480194

Ion Ratio Lower Upper

78 100

77 22.2 19.0 28.4

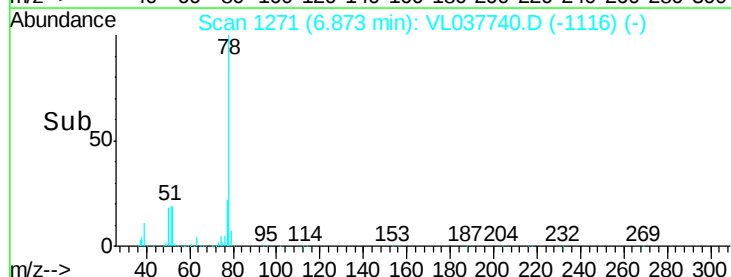
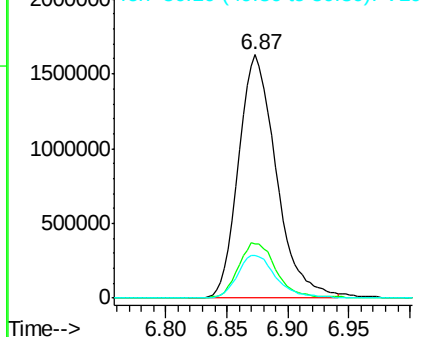
50 17.7 14.8 22.2

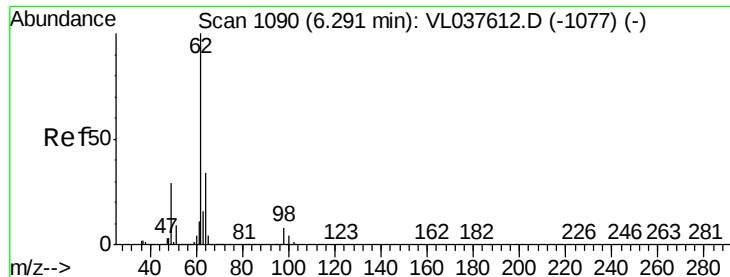


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





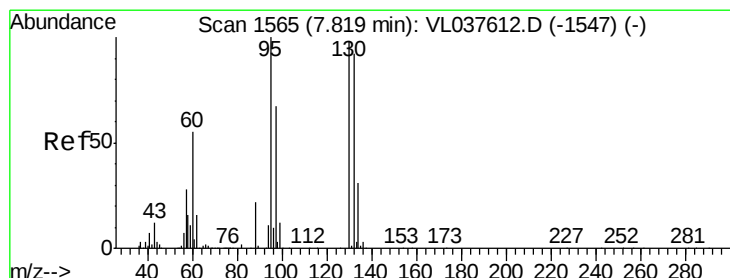
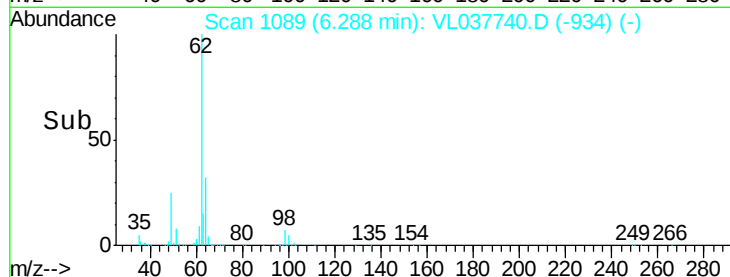
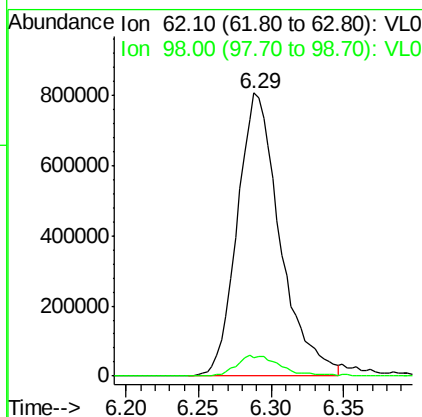
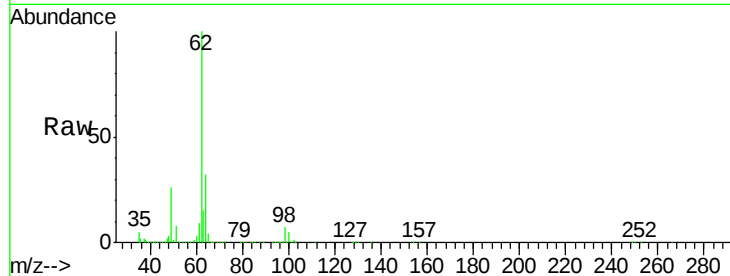
#37
 1,2-Dichloroethane
 Concen: 9.464 ppbv
 RT: 6.29 min Scan# 1089
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion: 62 Resp: 1655422
 Ion Ratio Lower Upper
 62 100
 98 7.7 6.1 9.1

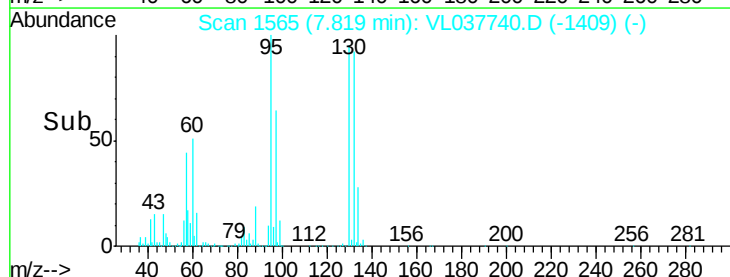
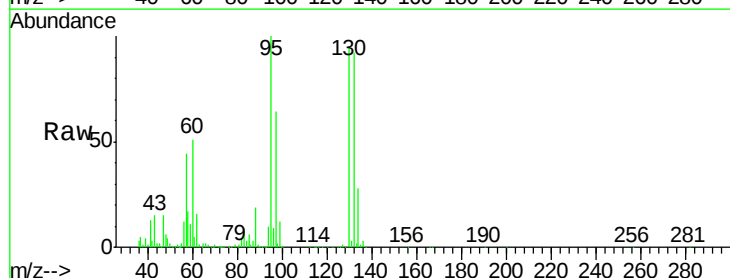
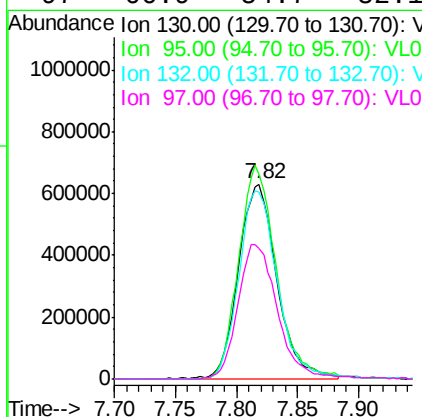
Manual Integrations
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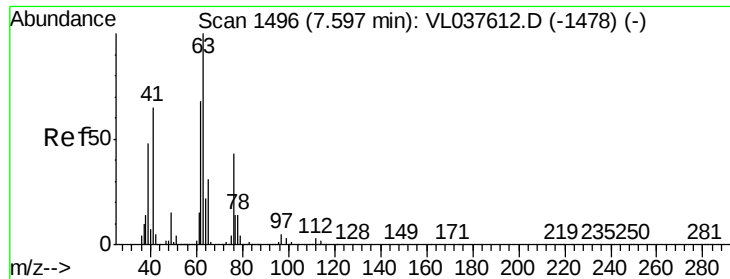
MMDadoda
 10/4/2021 5:49:54 PM



#38
 Trichloroethene
 Concen: 9.266 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion:130 Resp: 1376626
 Ion Ratio Lower Upper
 130 100
 95 105.0 81.8 122.6
 132 96.0 75.3 112.9
 97 66.9 54.7 82.1





#39

1,2-Dichloropropane

Concen: 9.795 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 63 Resp: 1334285

Ion Ratio Lower Upper

63 100

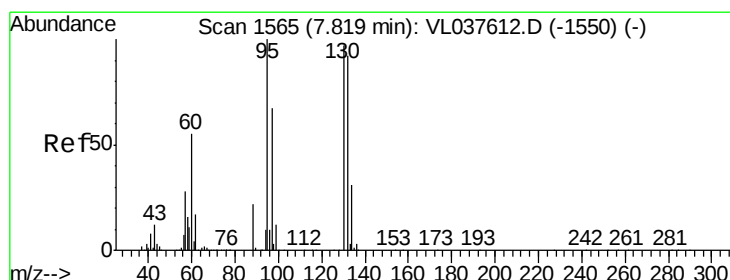
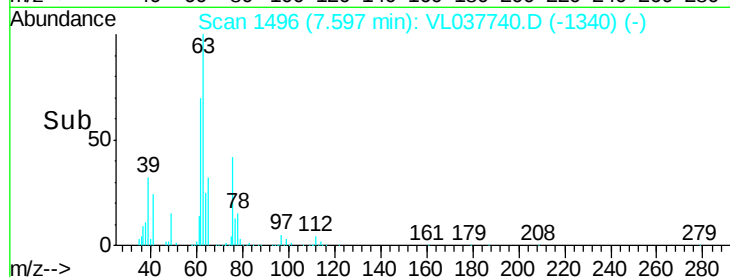
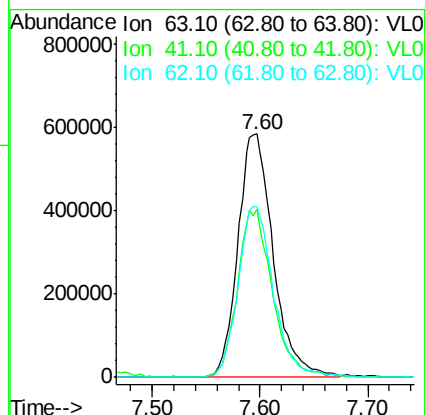
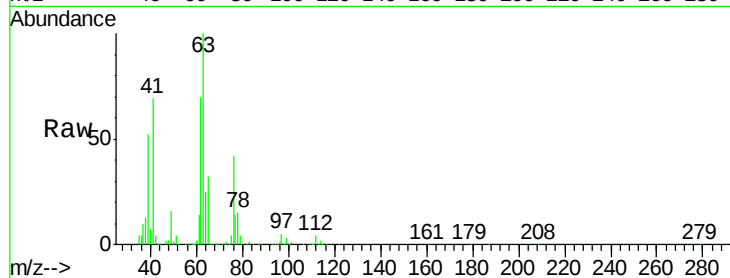
41 68.9 51.6 77.4

62 70.0 54.6 81.8

Manual Integrations
APPROVED

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10/4/2021 5:49:54 PM



#40

1,4-Dioxane

Concen: 9.774 ppbv

RT: 7.82 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Tgt Ion: 88 Resp: 323840

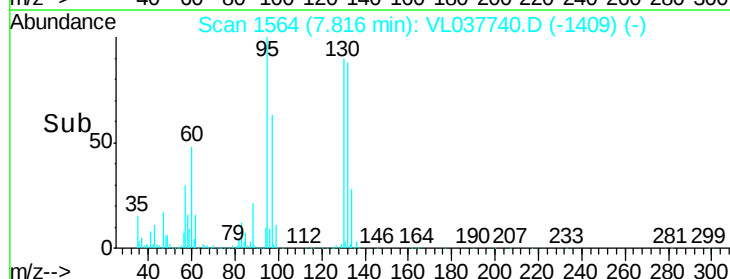
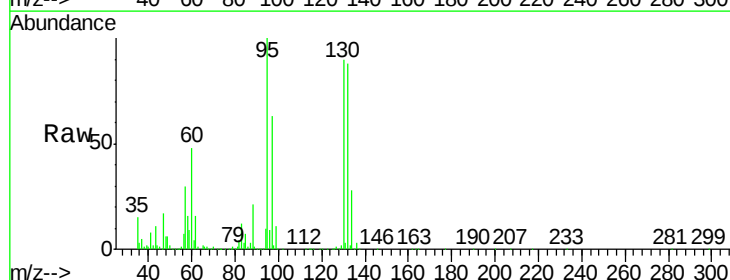
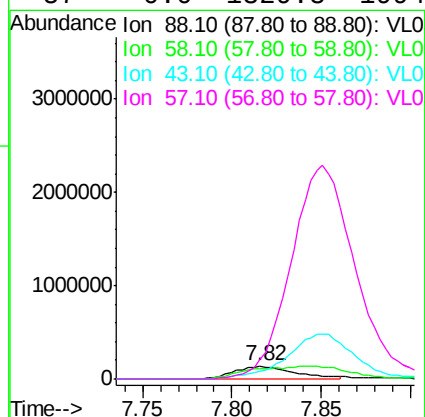
Ion Ratio Lower Upper

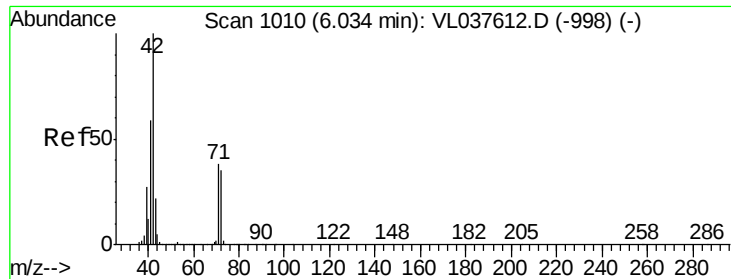
88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#





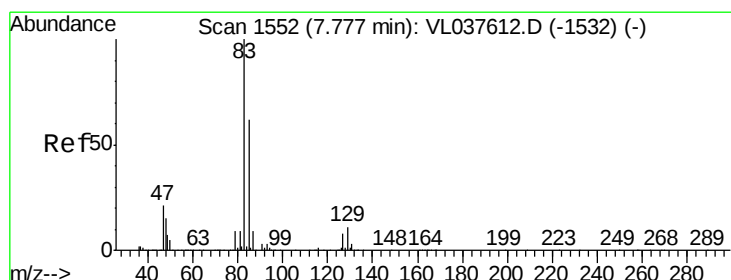
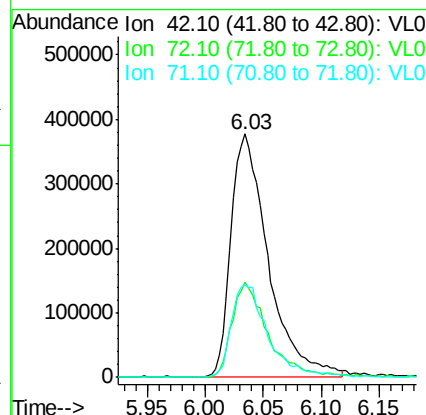
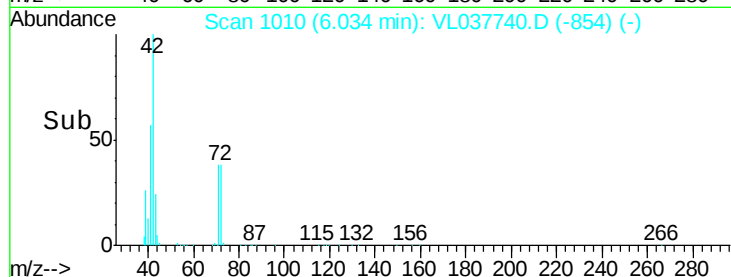
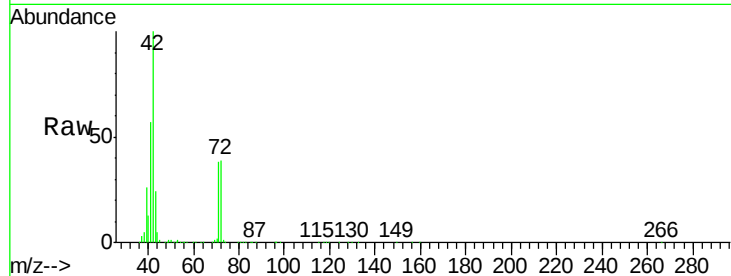
#41
Tetrahydrofuran
Concen: 10.352 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion	Ratio	Lower	Upper
42	100		
72	38.1	31.4	47.2
71	38.2	30.6	46.0

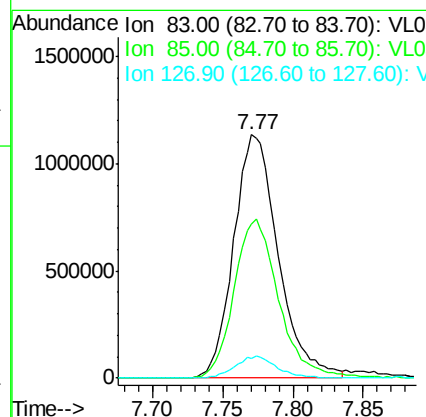
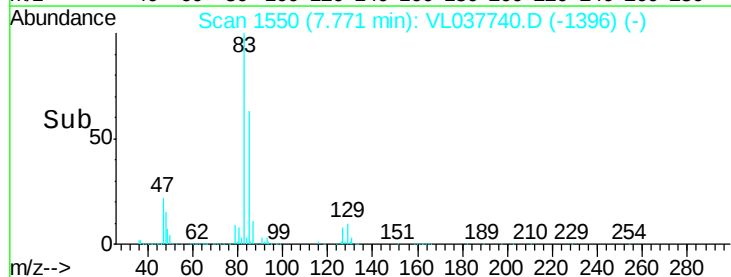
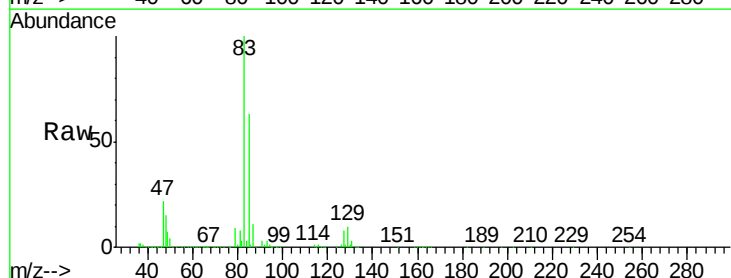
Manual Integrations
APPROVED

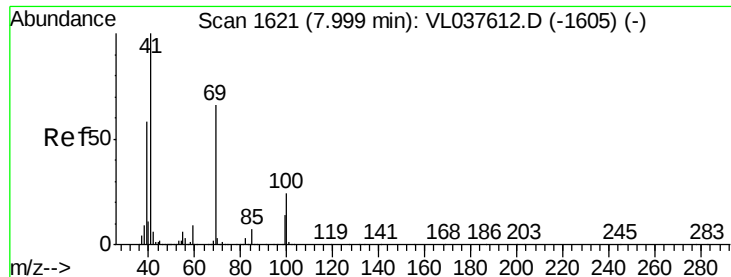
MMDadoda
10/4/2021 5:49:54 PM



#42
Bromodichloromethane
Concen: 9.967 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.01 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.3	49.8	74.6
127	8.1	6.4	9.6





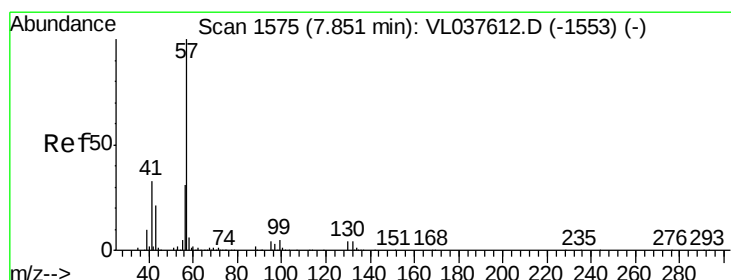
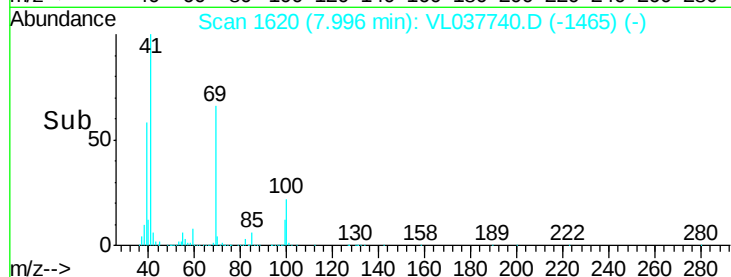
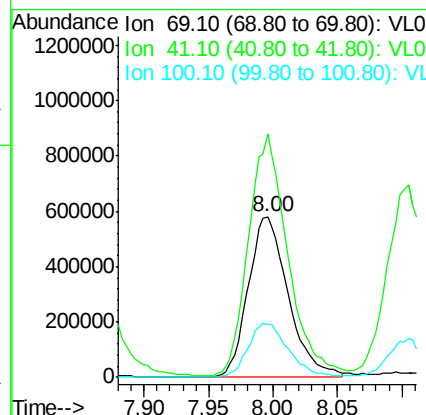
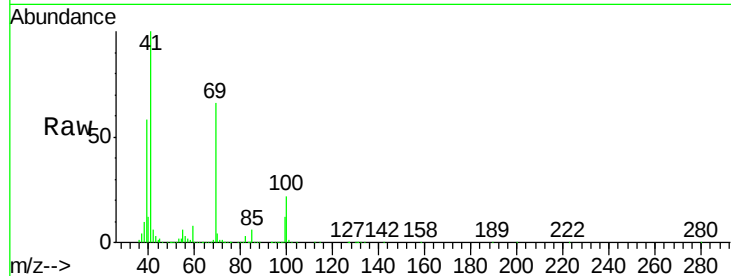
#43
Methvl Methacrilate
Concen: 10.611 ppbv
RT: 8.00 min Scan# 1620
Delta R.T. -0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion: 69 Resp: 1255426
Ion Ratio Lower Upper
69 100
41 149.7 119.0 178.4
100 34.4 27.6 41.4

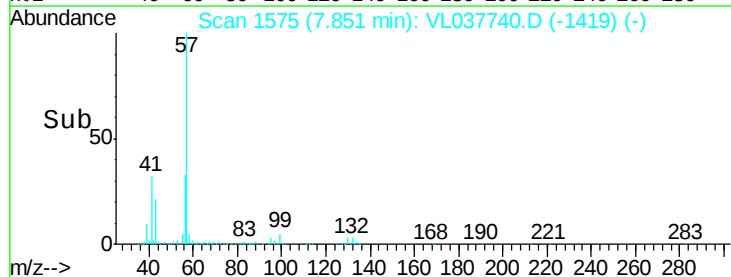
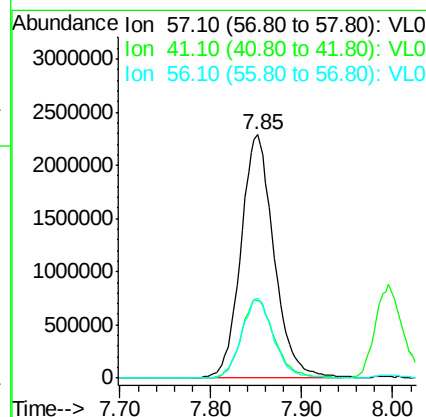
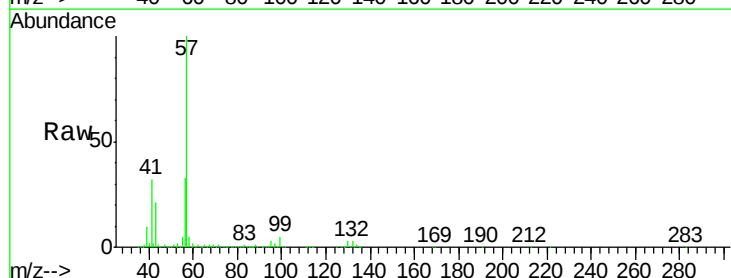
Manual Integrations
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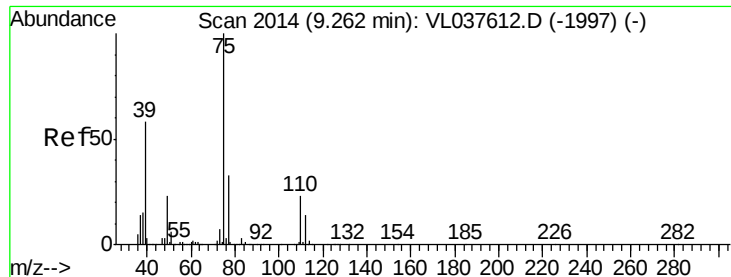
MMDadoda
10/4/2021 5:49:54 PM



#44
2,2,4-Trimethylpentane
Concen: 9.654 ppbv
RT: 7.85 min Scan# 1575
Delta R.T. 0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion: 57 Resp: 5772206
Ion Ratio Lower Upper
57 100
41 32.7 26.1 39.1
56 31.9 25.7 38.5





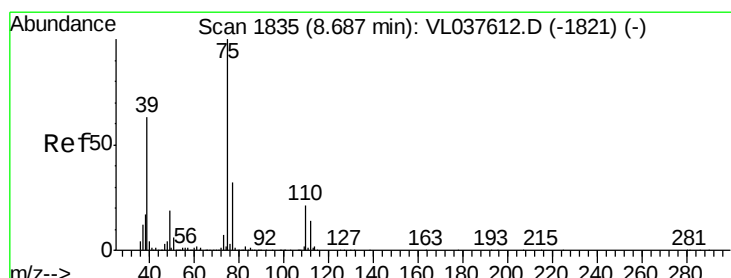
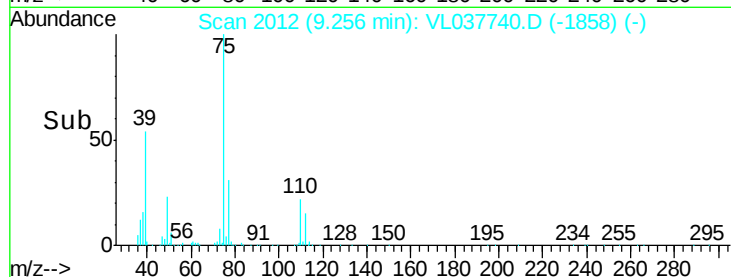
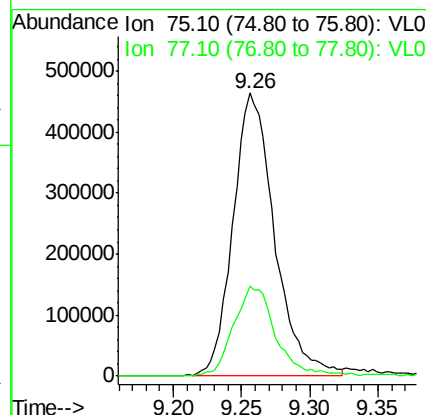
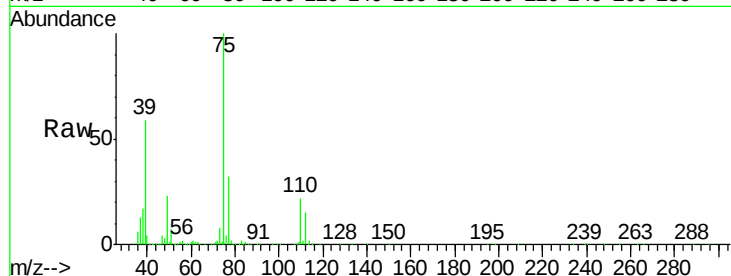
#45
t-1,3-Dichloropropene
Concen: 10.459 ppbv
RT: 9.26 min Scan# 2012
Delta R.T. -0.01 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.8	26.3	39.5

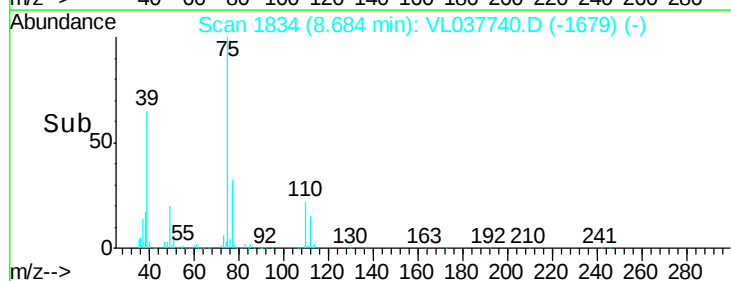
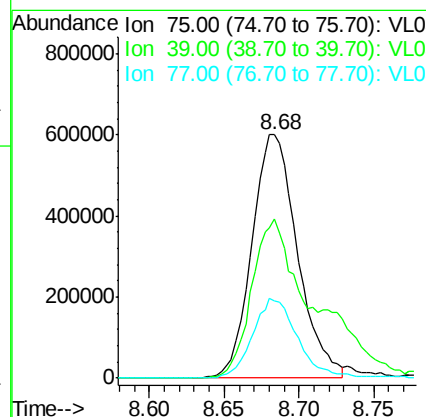
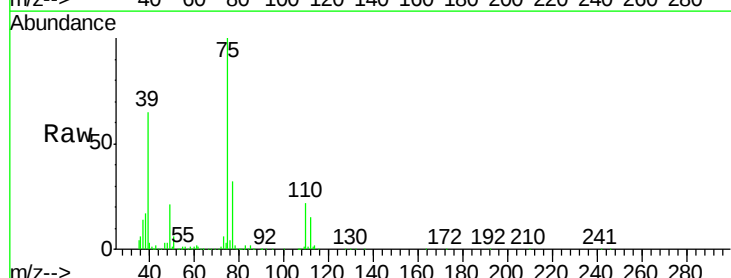
Manual Integrations
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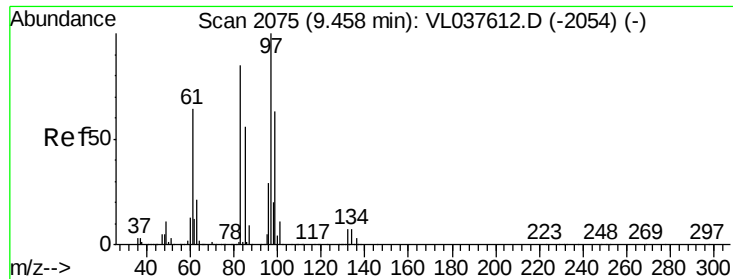
MMDadoda
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#46
cis-1,3-Dichloropropene
Concen: 10.116 ppbv
RT: 8.68 min Scan# 1834
Delta R.T. -0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion	Ratio	Lower	Upper
75	100		
39	65.2	50.2	75.4
77	31.5	25.2	37.8





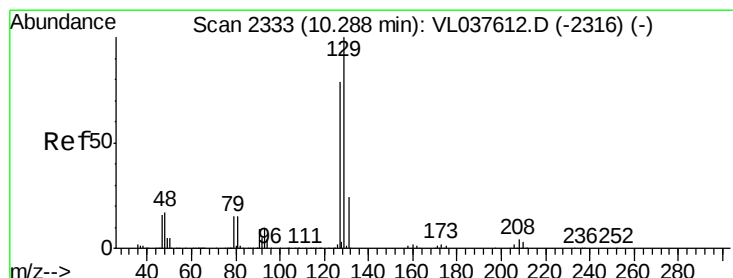
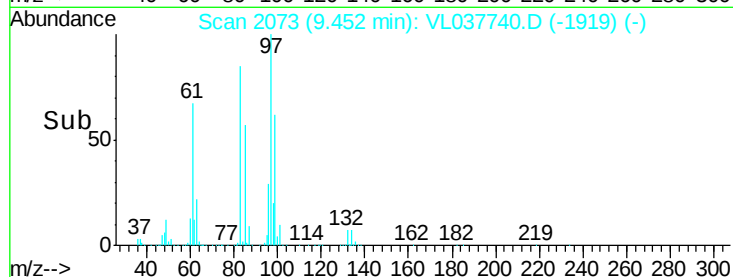
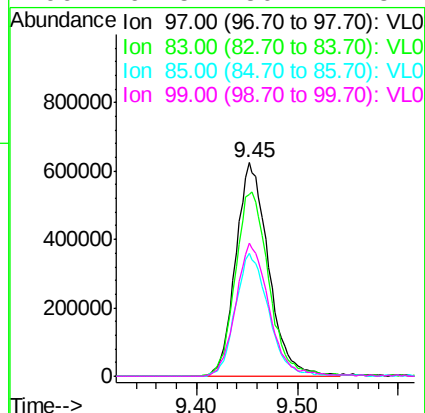
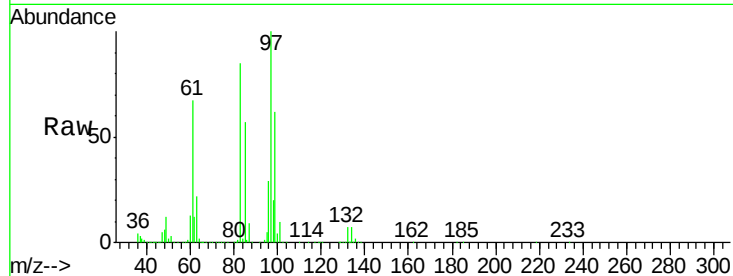
#47
 1,1,2-Trichloroethane
 Concen: 9.373 ppbv
 RT: 9.45 min Scan# 2073
 Delta R.T. -0.01 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion	Ratio	Lower	Upper
97	100		
83	84.9	67.9	101.9
85	57.4	44.8	67.2
99	62.5	50.1	75.1

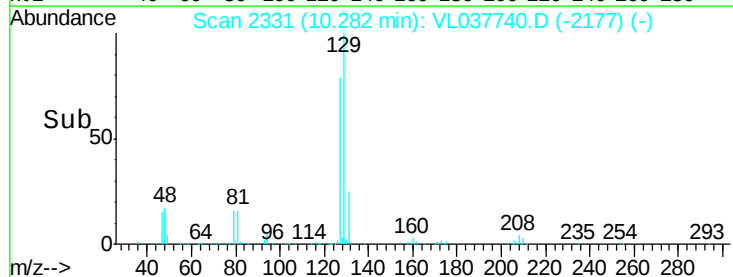
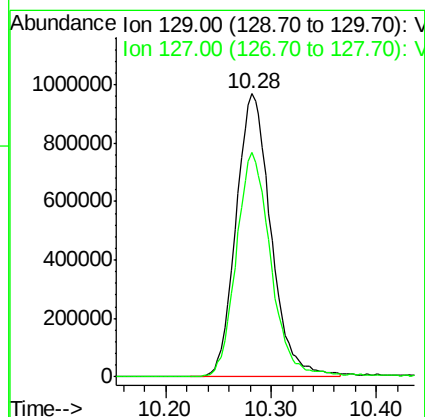
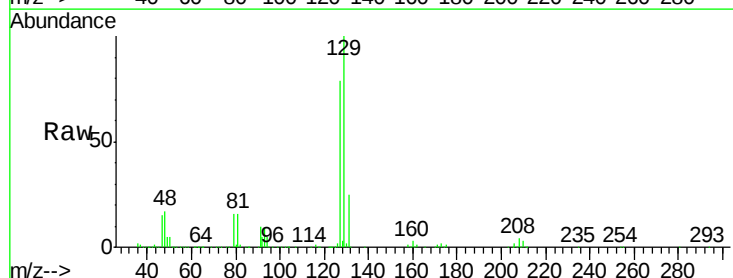
Manual Integrations
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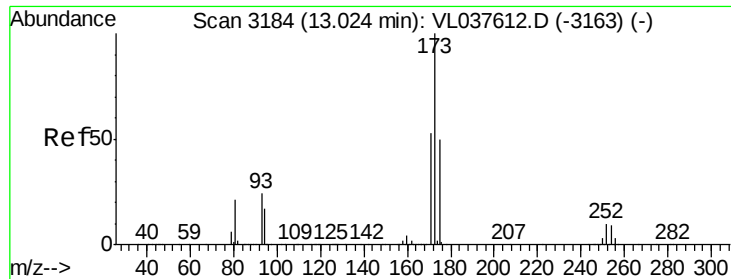
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#48
 Dibromochloromethane
 Concen: 10.590 ppbv
 RT: 10.28 min Scan# 2331
 Delta R.T. -0.01 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.0	39.3	117.8





#49

Bromoform

Concen: 10.556 ppbv

RT: 13.01 min Scan# 3181

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion:173 Resp: 1775919

Ion Ratio Lower Upper

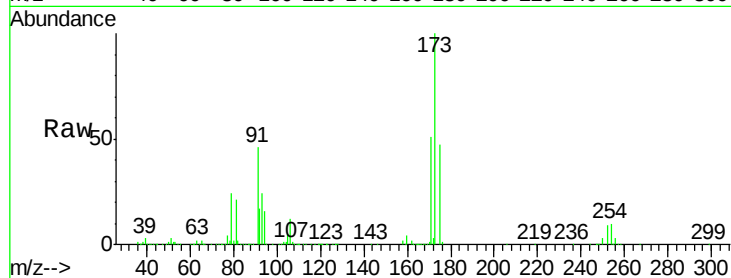
173 100

175 51.2 39.8 59.8

171 54.4 42.2 63.4

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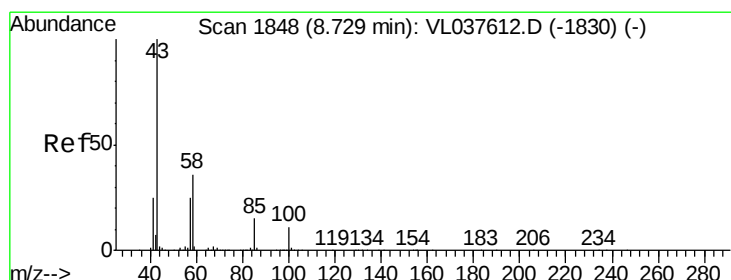
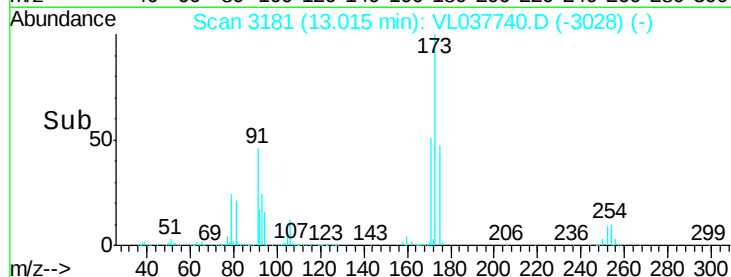
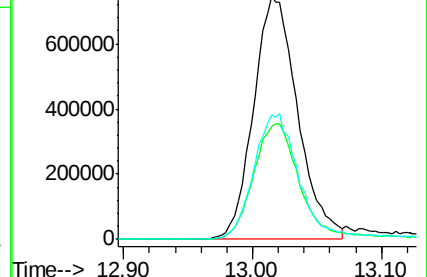
MMDadoda
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.154 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.01 min

Lab File: VL037740.D

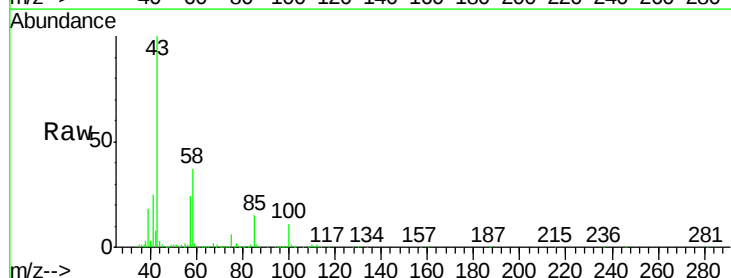
Acq: 1 Oct 2021 12:54

Tgt Ion: 43 Resp: 2233756

Ion Ratio Lower Upper

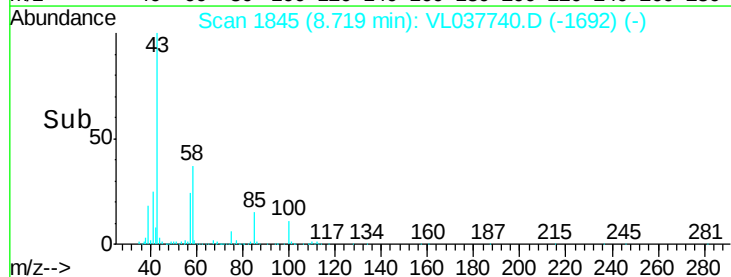
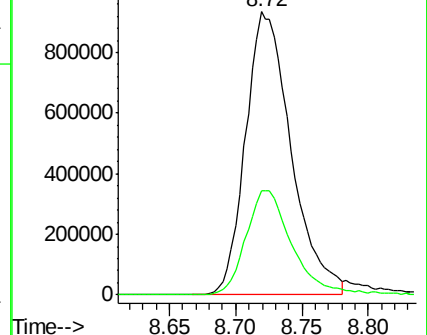
43 100

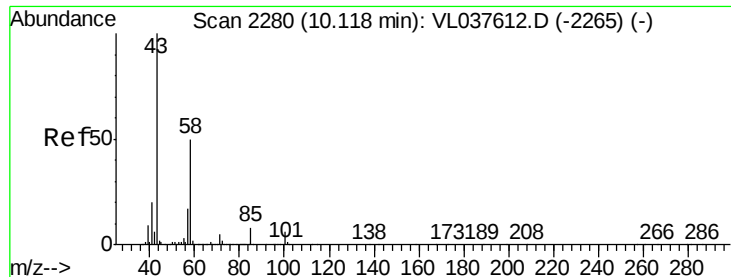
58 37.8 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.099 ppbv

RT: 10.11 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 43 Resp: 1077250

Ion Ratio Lower Upper

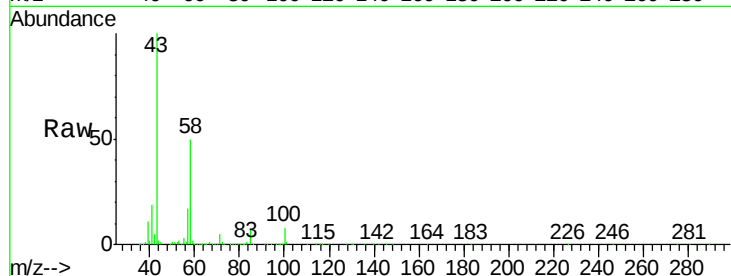
43 100

58 50.7 39.3 58.9

98 0.4 0.4 0.6

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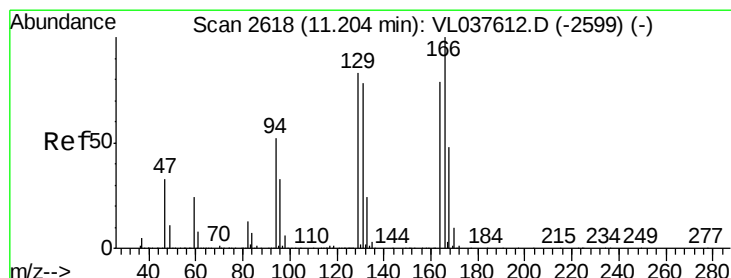
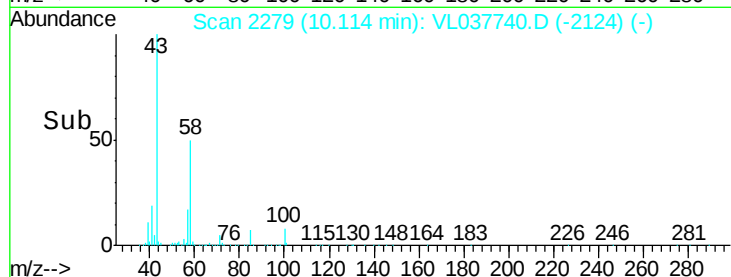
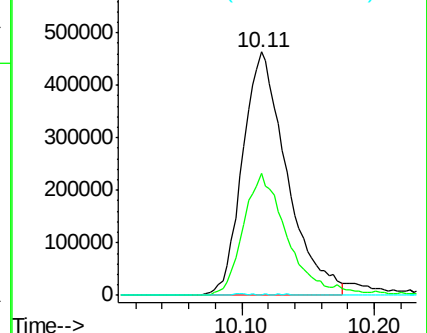


Abundance

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: 9.293 ppbv

RT: 11.20 min Scan# 2617

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Tgt Ion: 164 Resp: 1268826

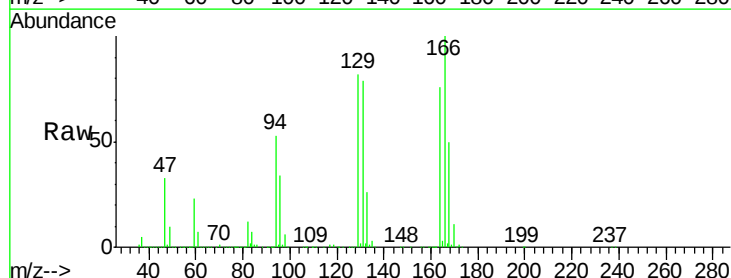
Ion Ratio Lower Upper

164 100

166 131.4 101.2 151.8

129 108.3 84.0 126.0

131 104.1 78.8 118.2



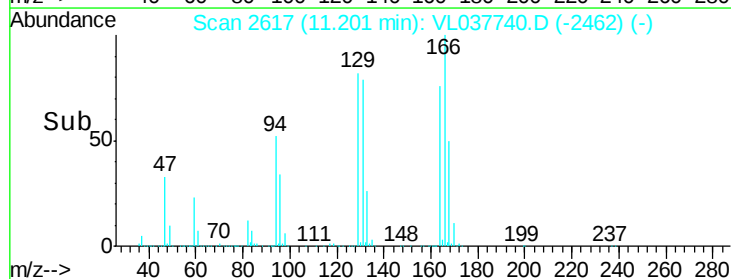
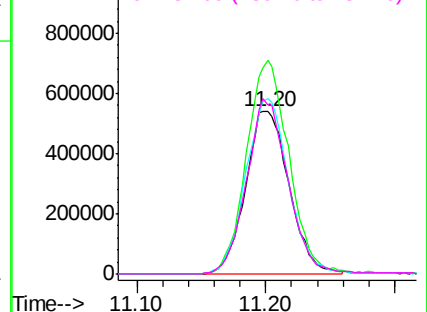
Abundance

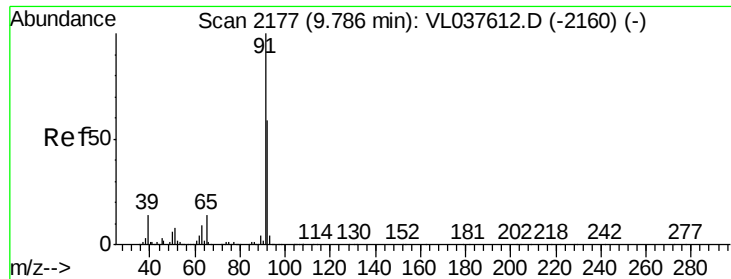
Ion 163.90 (163.60 to 164.60): V

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: 10.168 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 91 Resp: 4019624

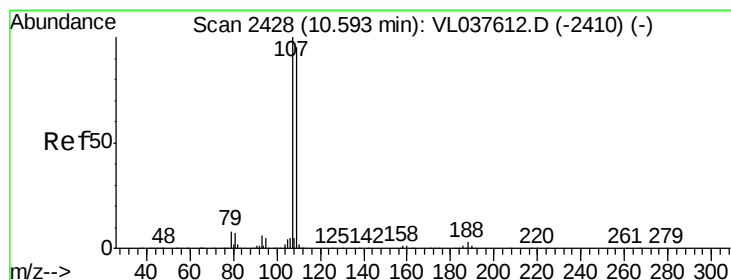
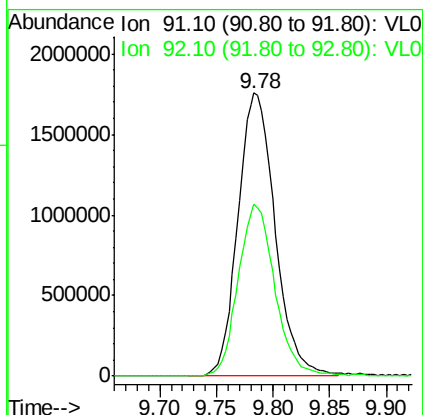
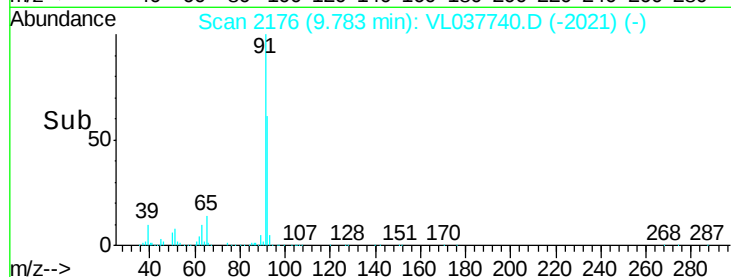
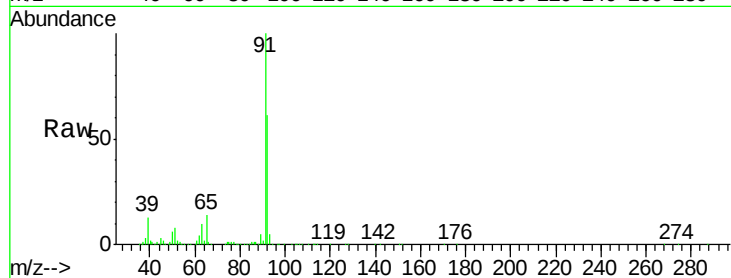
Ion Ratio Lower Upper

91 100

92 60.5 48.9 73.3

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#54

1,2-Dibromoethane

Concen: 9.621 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. -0.00 min

Lab File: VL037740.D

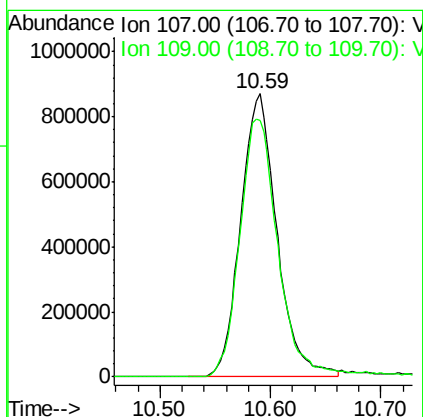
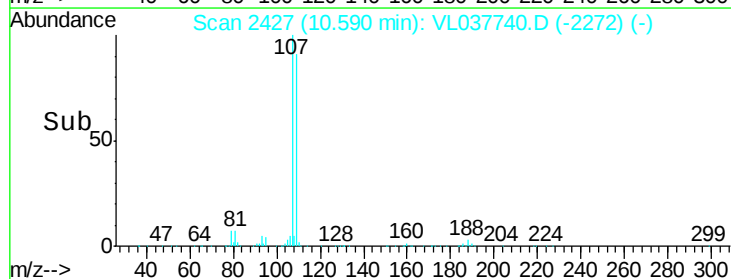
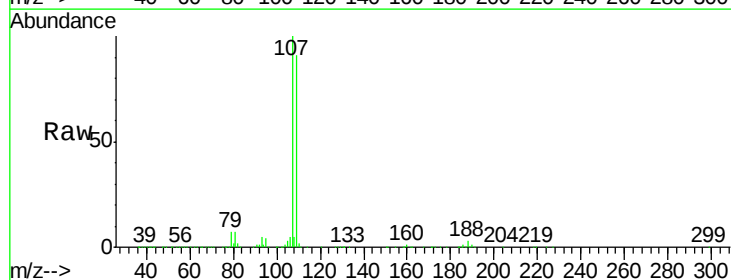
Acq: 1 Oct 2021 12:54

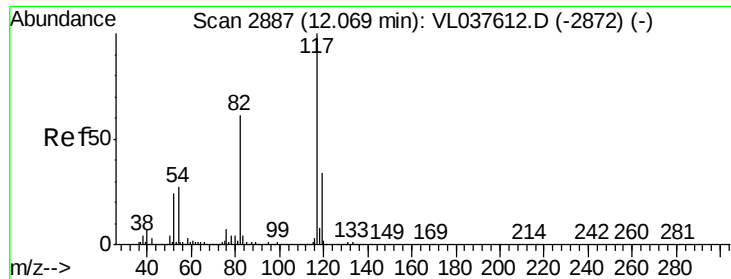
Tgt Ion: 107 Resp: 1985084

Ion Ratio Lower Upper

107 100

109 90.6 76.0 114.0





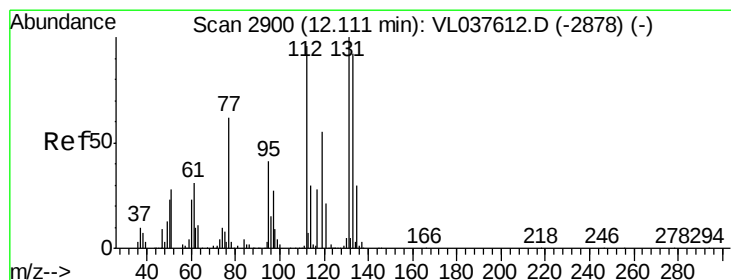
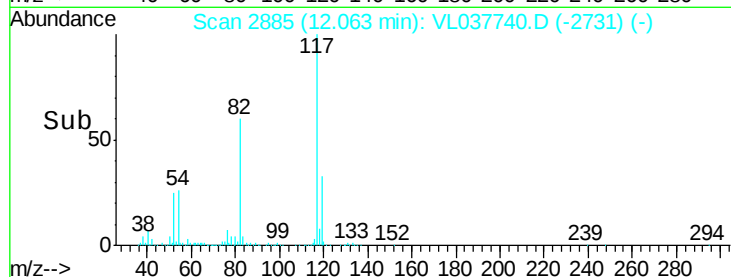
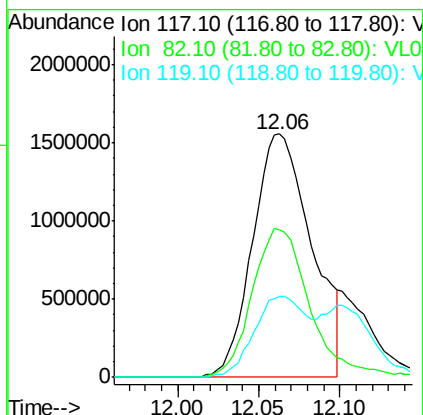
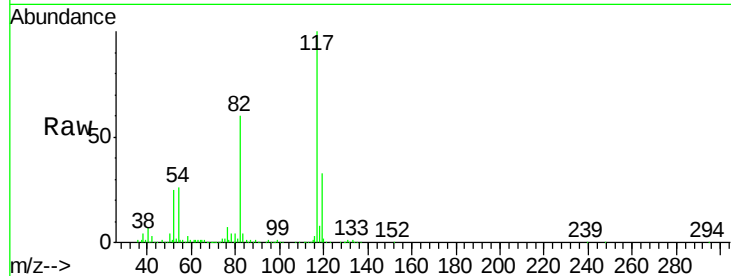
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.06 min Scan# 2885
Delta R.T. -0.01 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion:117 Resp: 3935745
Ion Ratio Lower Upper
117 100
82 61.7 50.6 75.8
119 30.7 26.2 39.2

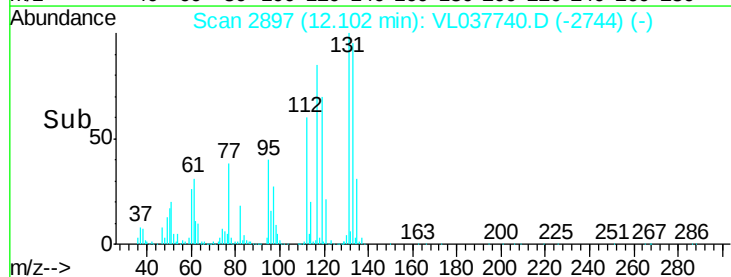
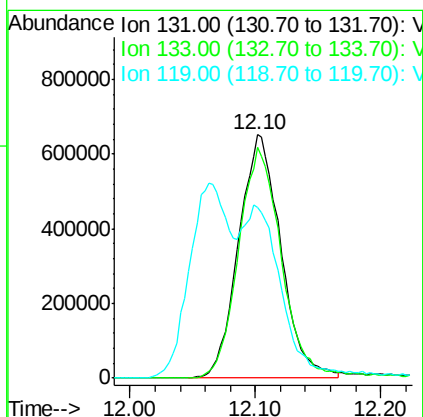
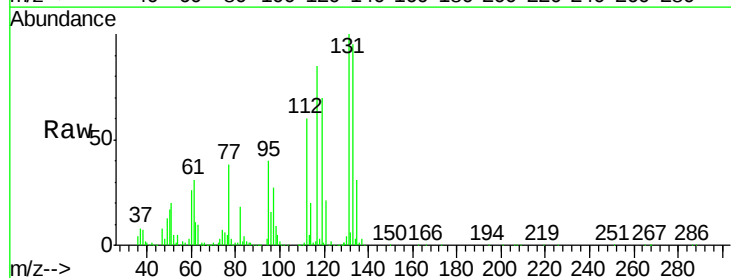
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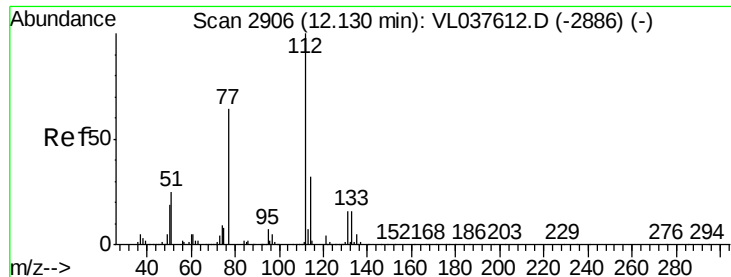
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.318 ppbv
RT: 12.10 min Scan# 2897
Delta R.T. -0.01 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion:131 Resp: 1521215
Ion Ratio Lower Upper
131 100
133 98.5 76.8 115.2
119 62.9 47.8 71.8





#57

Chlorobenzene

Concen: 8.821 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion:112 Resp: 2886350

Ion Ratio Lower Upper

112 100

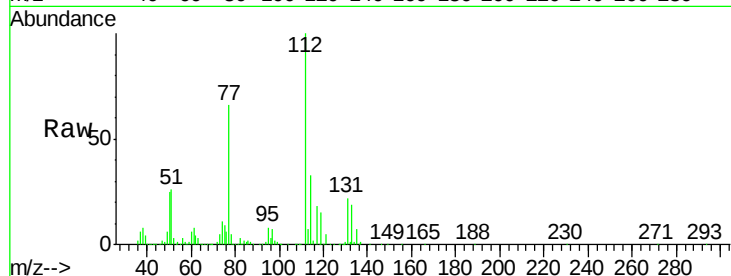
77 64.7 52.1 78.1

114 33.4 29.2 35.6

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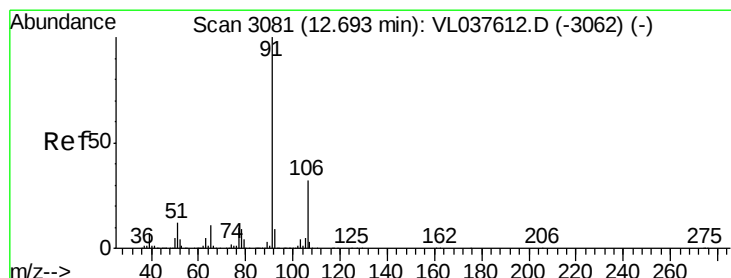
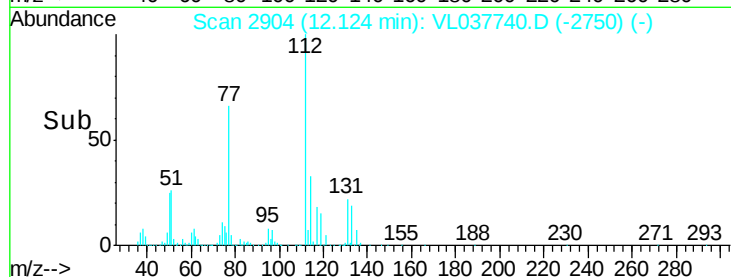
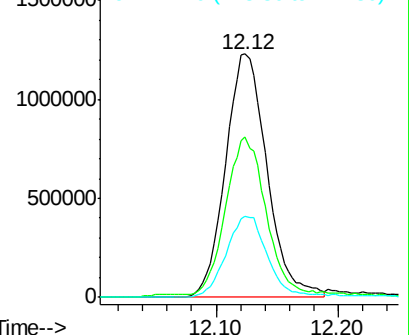
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 9.694 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.01 min

Lab File: VL037740.D

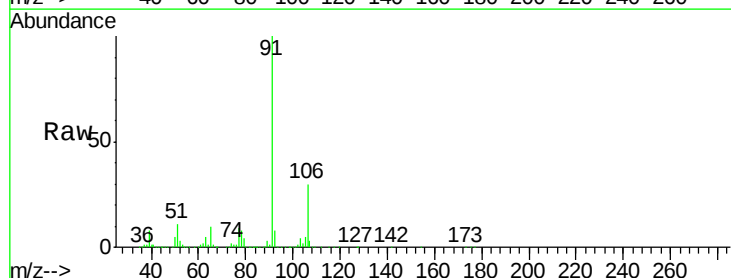
Acq: 1 Oct 2021 12:54

Tgt Ion: 91 Resp: 5064606

Ion Ratio Lower Upper

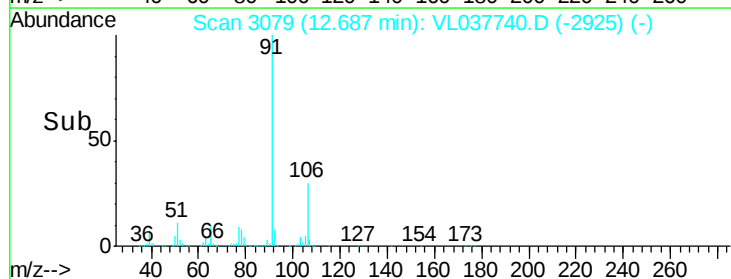
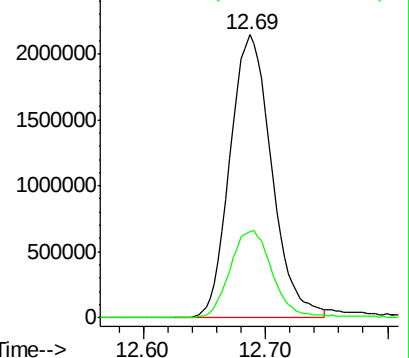
91 100

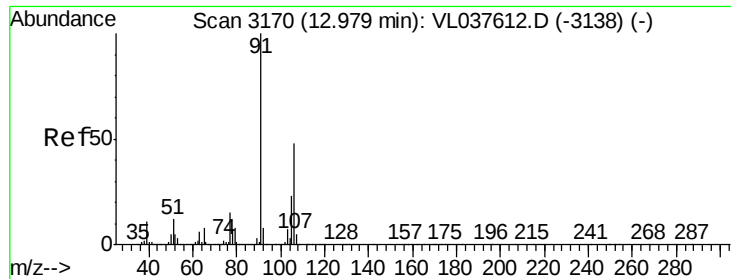
106 30.5 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





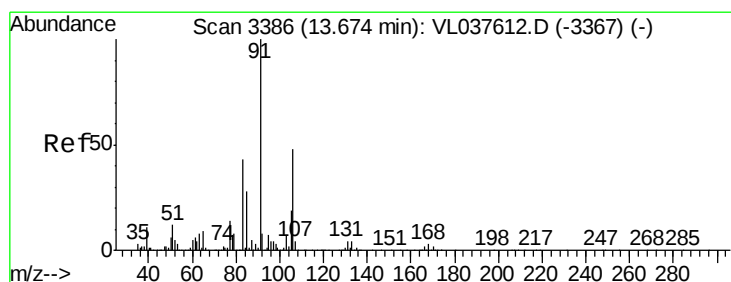
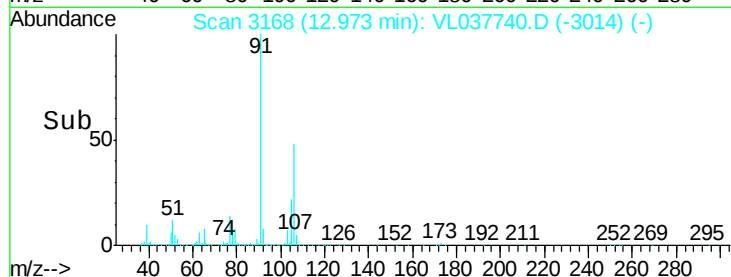
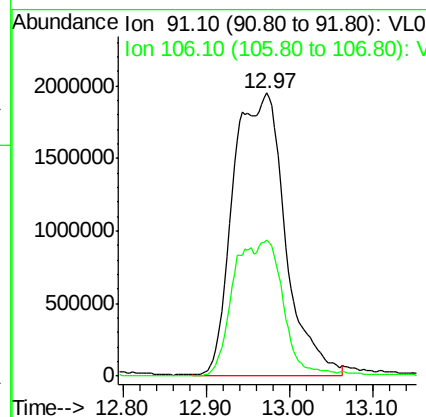
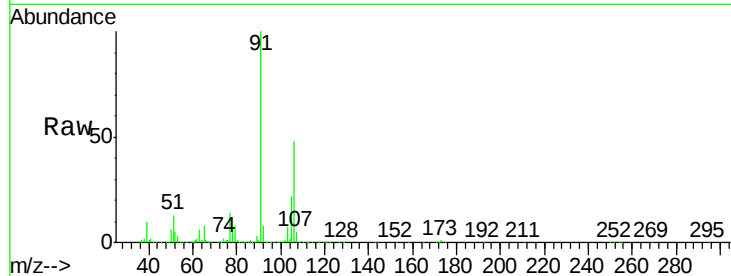
#59
m/p-Xylene
Concen: 18.592 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion: 91 Resp: 8464684
Ion Ratio Lower Upper
91 100
106 46.6 36.6 55.0

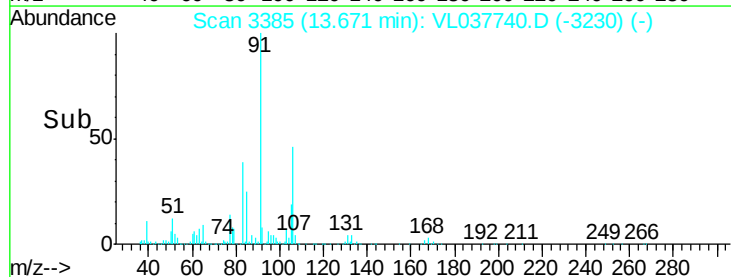
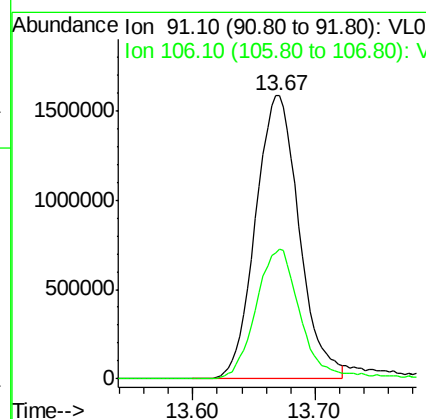
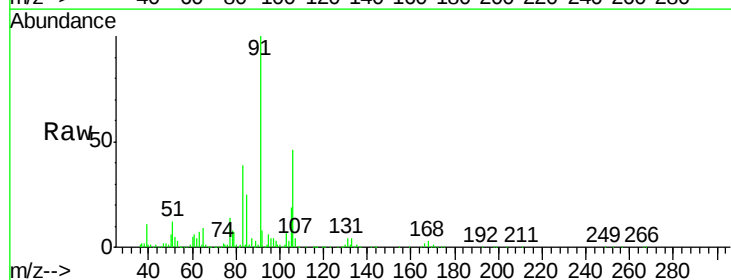
Manual Integrations
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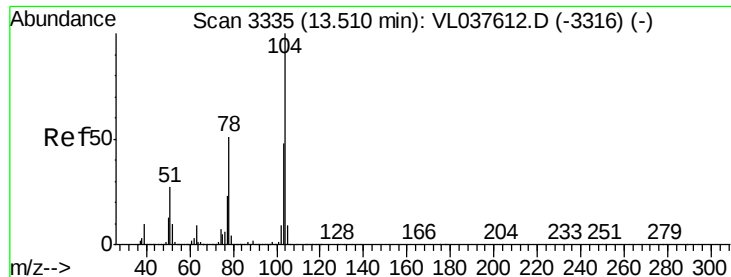
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#60
o-Xylene
Concen: 9.044 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion: 91 Resp: 3919119
Ion Ratio Lower Upper
91 100
106 47.3 23.0 69.0





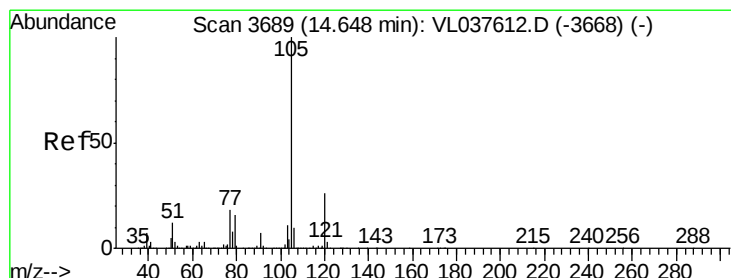
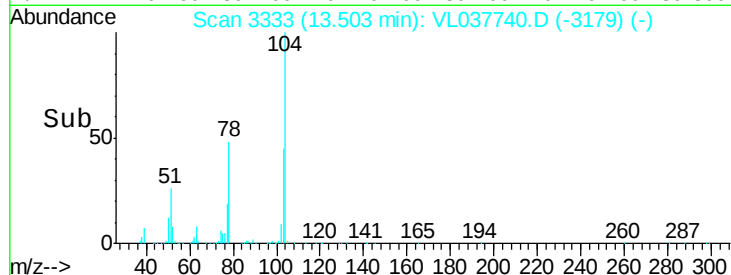
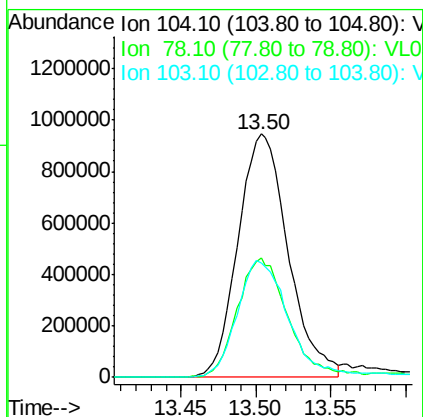
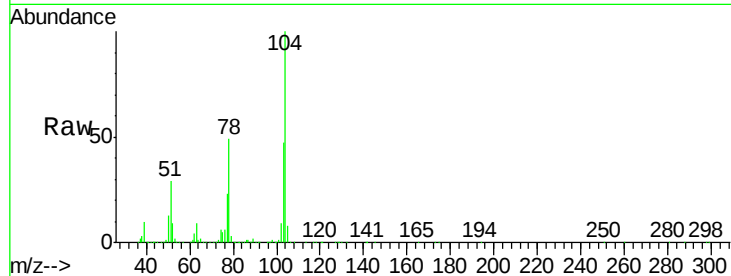
#61
Stvrene
Concen: 10.272 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.01 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Instrument :
MSVOA_L
ClientSampleId :
VL1001ABS01

Tot Ion	Ratio	Lower	Upper
104	100		
78	51.6	39.7	59.5
103	50.8	38.8	58.2

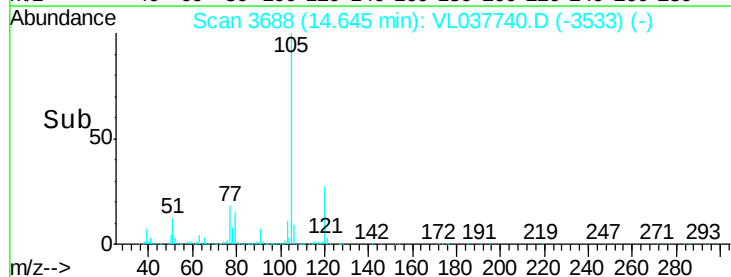
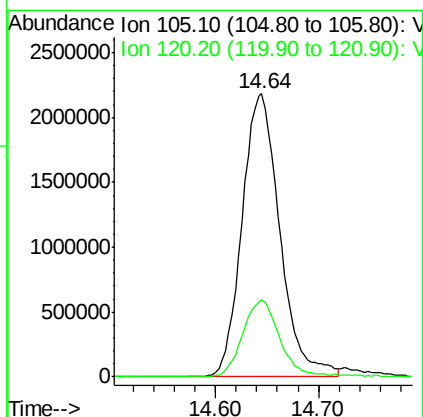
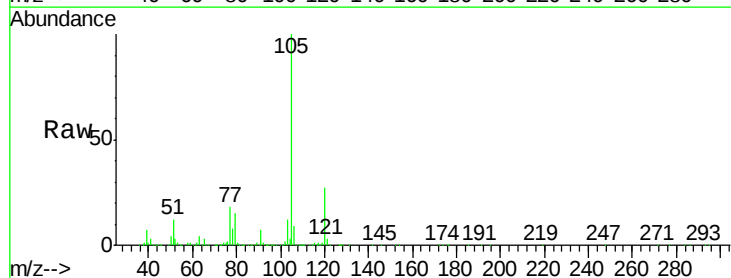
Manual Integrations
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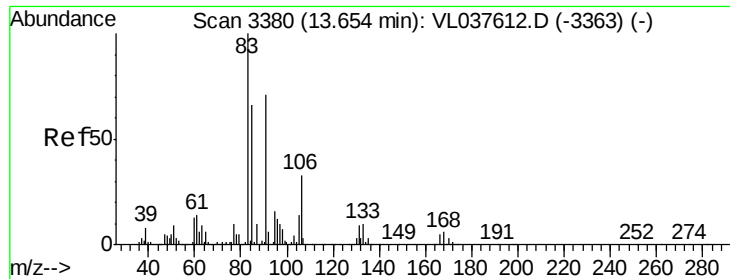
MMDadoda
10/4/2021 5:49:54 PM



#62
Isopropylbenzene
Concen: 9.185 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.00 min
Lab File: VL037740.D
Acq: 1 Oct 2021 12:54

Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.2	21.4	32.0





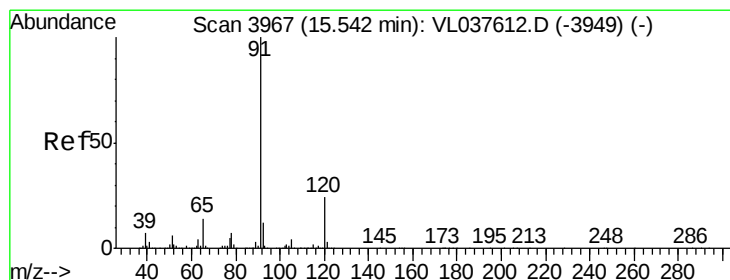
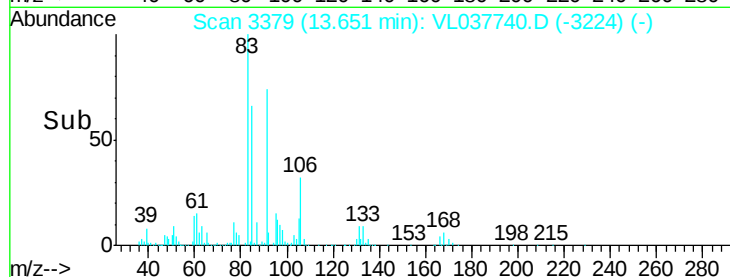
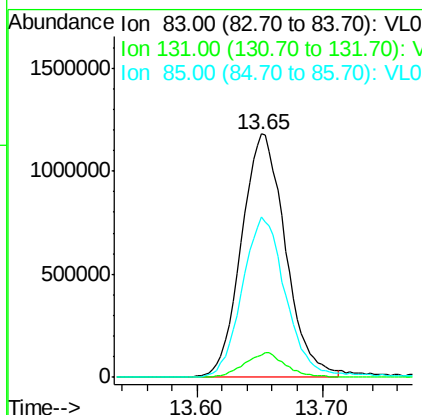
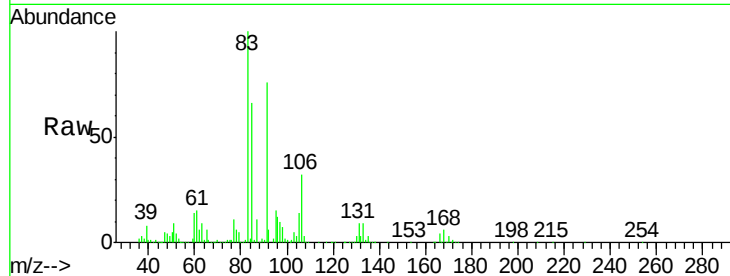
#63
 1,1,2,2-Tetrachloroethane
 Concen: 8.459 ppbv
 RT: 13.65 min Scan# 3379
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion	83	Resp	2868835
Ion Ratio	Lower	Upper	
83	100		
131	9.8	5.1	15.3
85	66.1	33.3	99.9

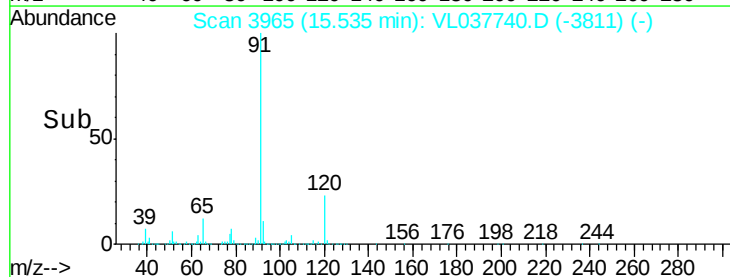
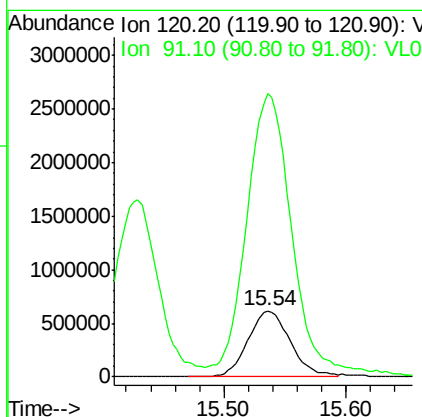
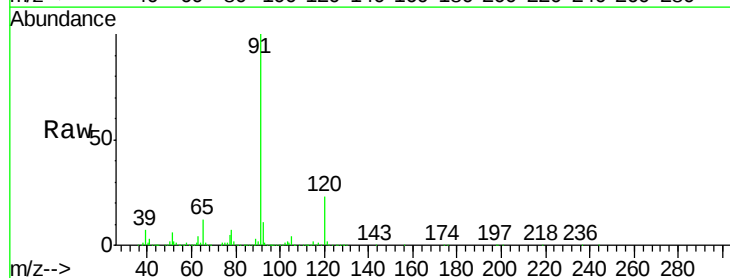
Manual Integrations
 APPROVED

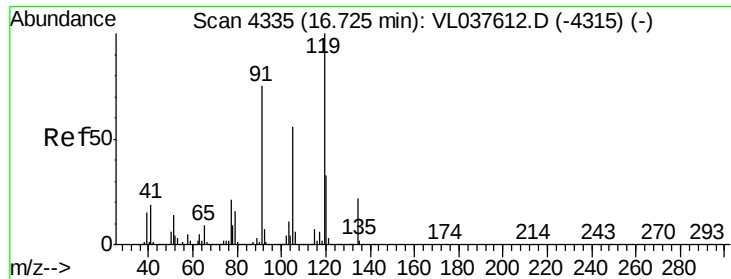
MMDadoda
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#64
 n-propylbenzene
 Concen: 9.476 ppbv
 RT: 15.54 min Scan# 3965
 Delta R.T. -0.01 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion	120	Resp	1480386
Ion Ratio	Lower	Upper	
120	100		
91	466.5	345.0	517.4





#65

tert-Butylbenzene

Concen: 9.002 ppbv

RT: 16.72 min Scan# 4335

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion:119 Resp: 4913244

Ion Ratio Lower Upper

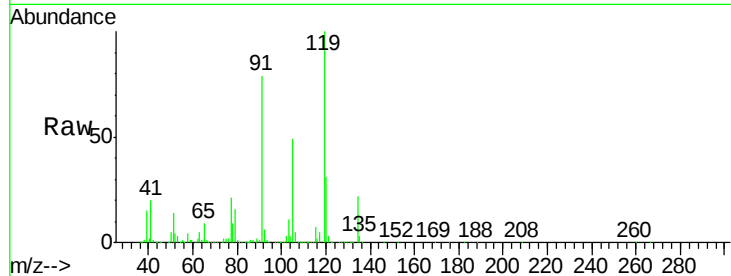
119 100

91 78.0 61.9 92.9

134 20.5 16.5 24.7

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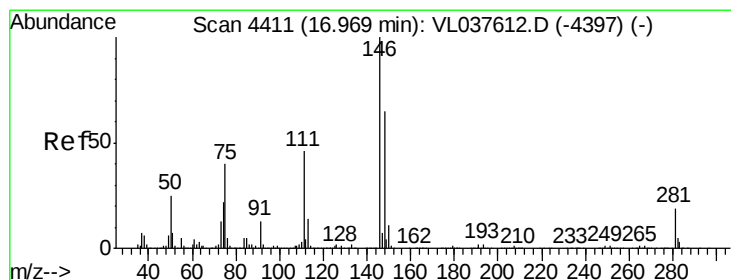
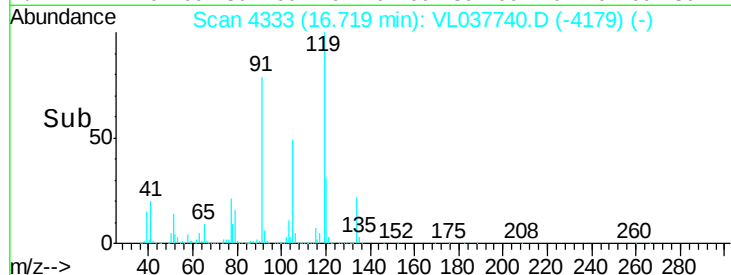
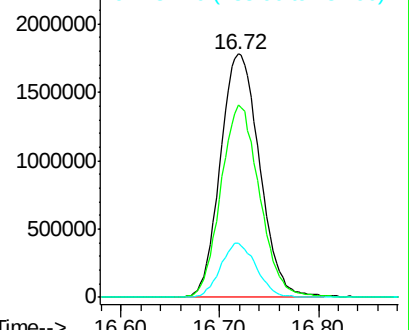
MMDadoda
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Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V



#66

Benzyl Chloride

Concen: 8.899 ppbv

RT: 16.96 min Scan# 4409

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

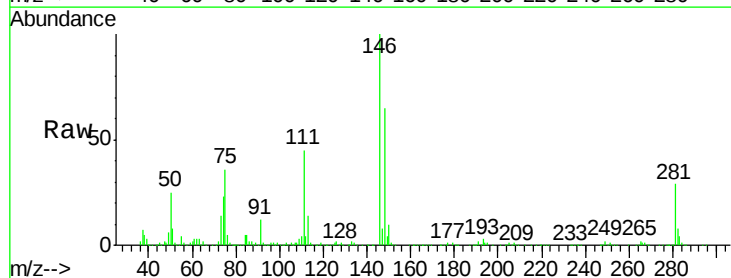
Tgt Ion: 91 Resp: 265437

Ion Ratio Lower Upper

91 100

126 19.9 14.4 21.6

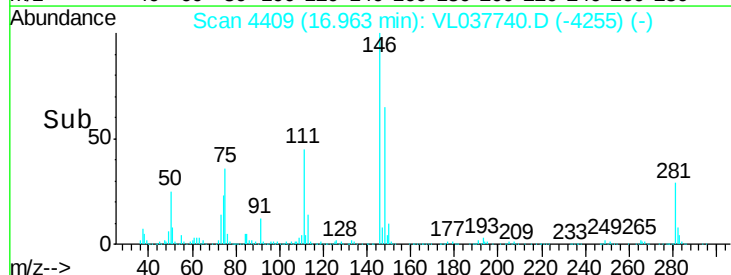
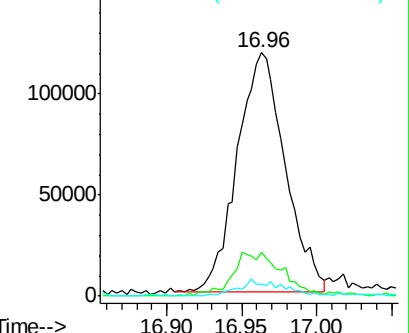
128 6.5 5.7 8.5

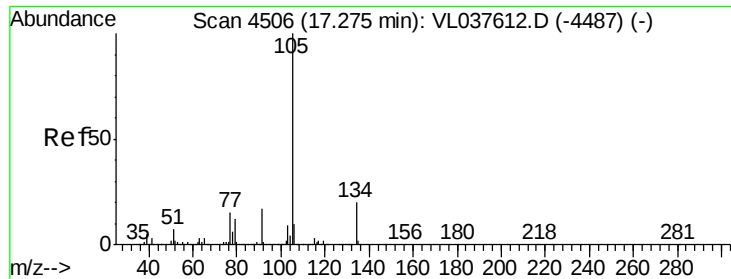


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





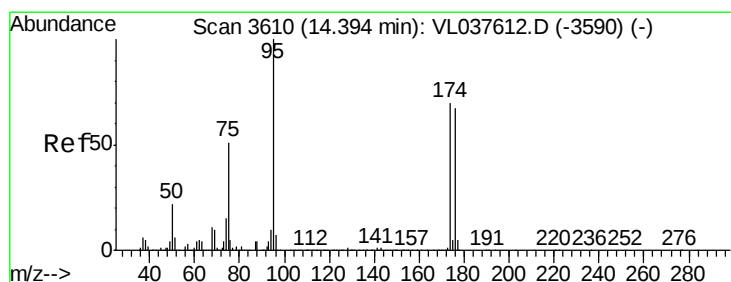
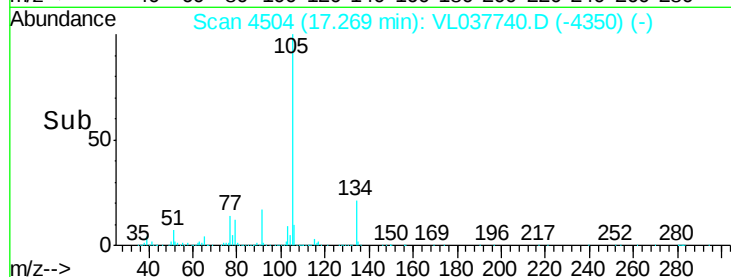
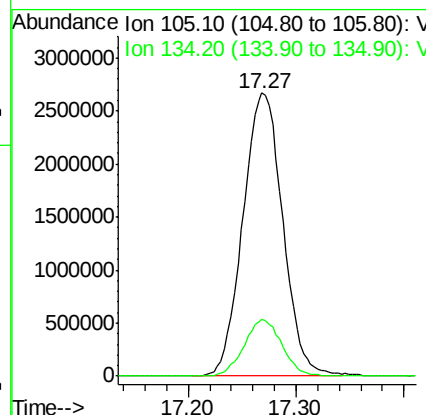
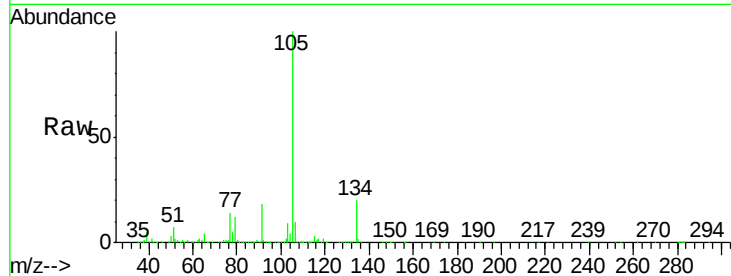
#67
 sec-Butylbenzene
 Concen: 9.230 ppbv
 RT: 17.27 min Scan# 4504
 Delta R.T. -0.01 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion: 105 Resp: 6834984
 Ion Ratio Lower Upper
 105 100
 134 19.1 15.7 23.5

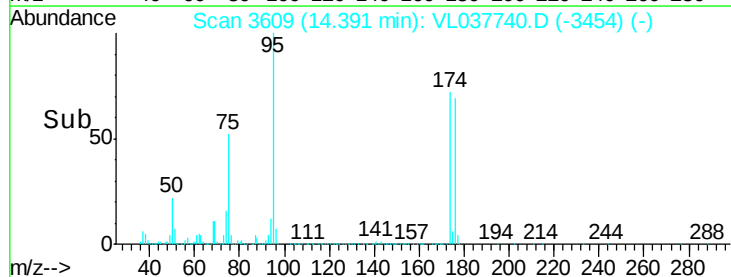
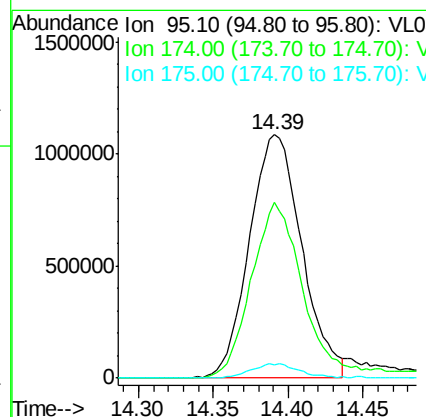
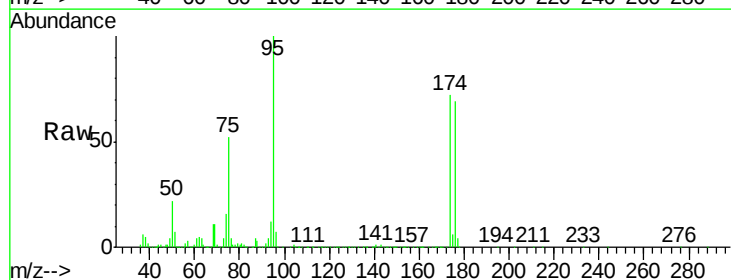
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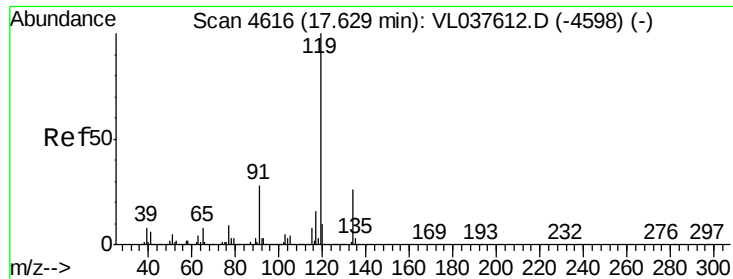
MMDadoda
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.301 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion: 95 Resp: 2645464
 Ion Ratio Lower Upper
 95 100
 174 75.9 56.3 84.5
 175 6.0 4.4 6.6





#69

p-Isopropyltoluene

Concen: 9.360 ppbv

RT: 17.63 min Scan# 4615

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 119 Resp: 5662584

Ion Ratio Lower Upper

119 100

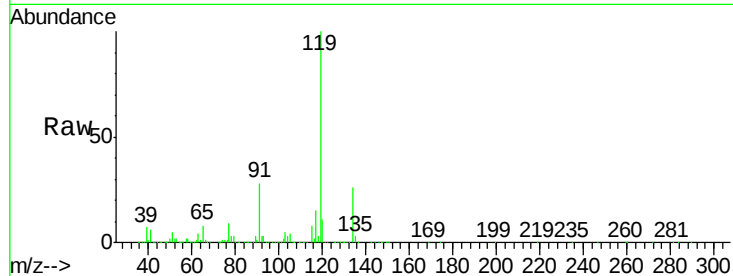
134 26.6 21.2 31.8

91 28.2 22.2 33.2

Manual Integrations
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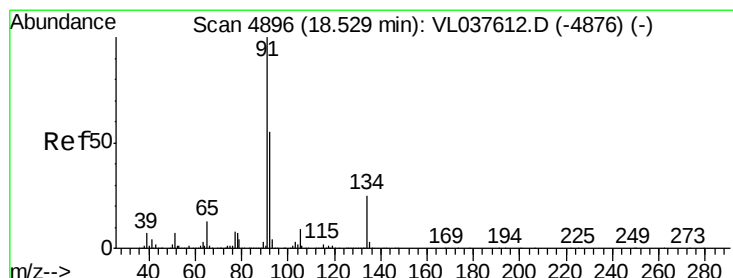
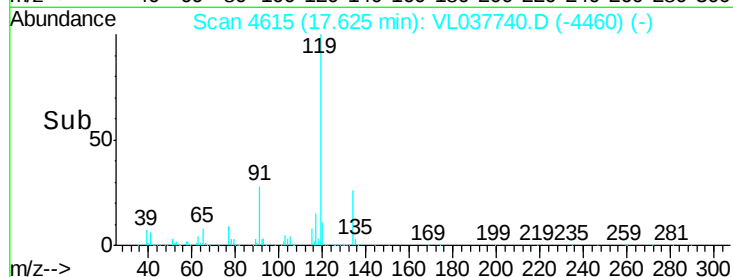
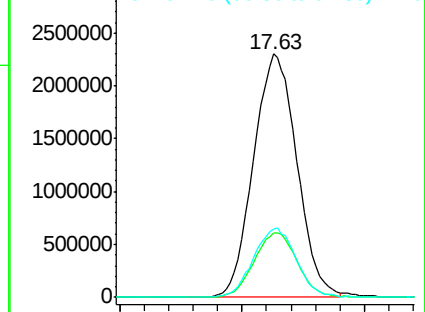


Abundance

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: 9.695 ppbv

RT: 18.52 min Scan# 4894

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

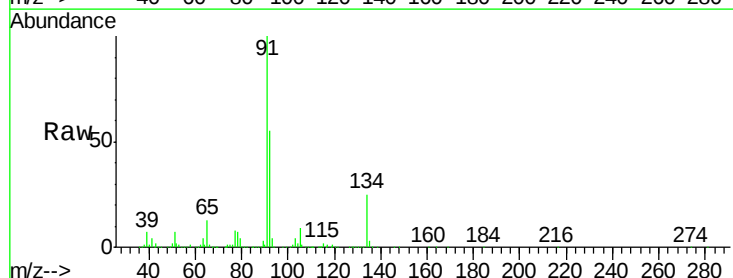
Tgt Ion: 91 Resp: 5549705

Ion Ratio Lower Upper

91 100

92 54.2 44.0 66.0

134 24.4 19.5 29.3

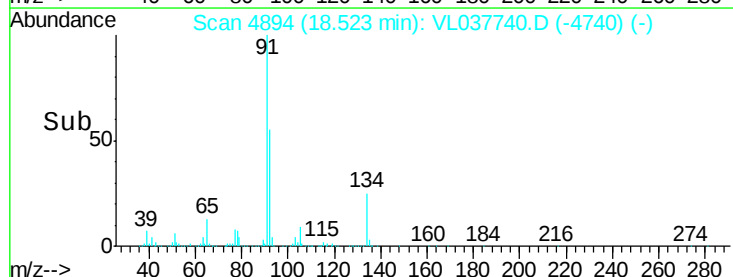
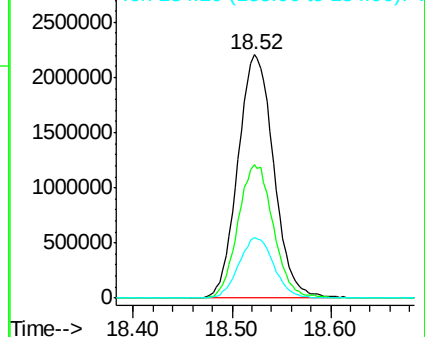


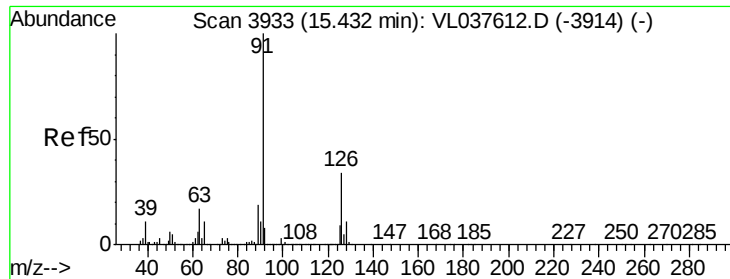
Abundance

Ion 91.10 (90.80 to 91.80): V

Ion 92.10 (91.80 to 92.80): V

Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 9.423 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion: 91 Resp: 4087820

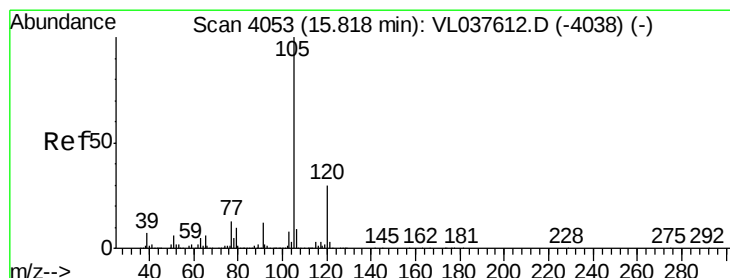
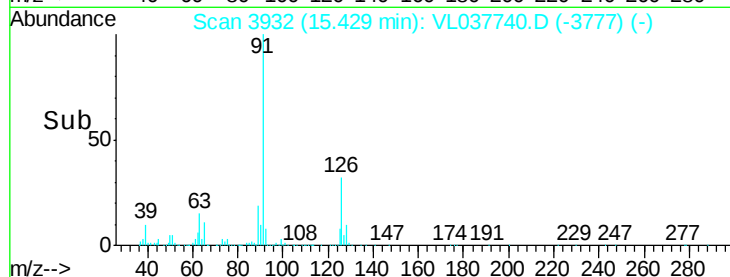
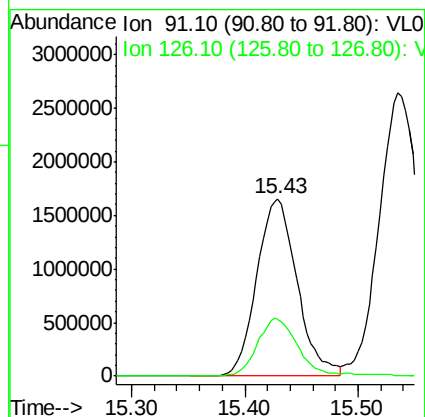
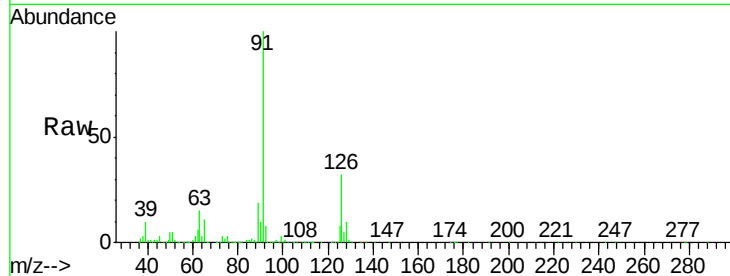
Ion Ratio Lower Upper

91 100

126 33.7 13.2 52.8

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#72

4-Ethyltoluene

Concen: 9.489 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.01 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Tgt Ion:105 Resp: 4719974

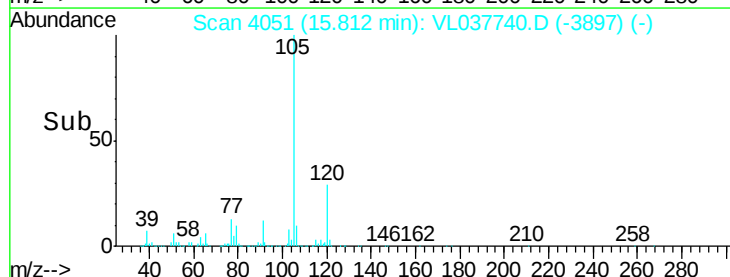
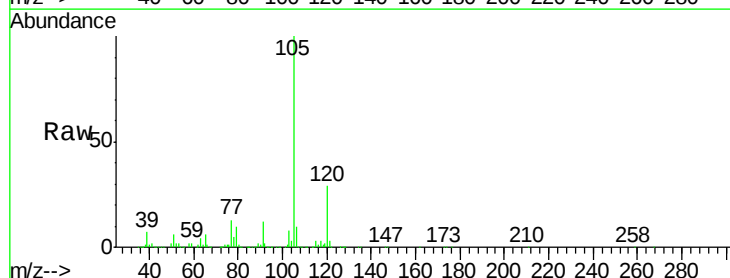
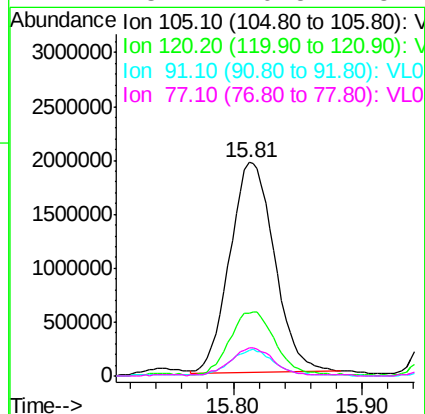
Ion Ratio Lower Upper

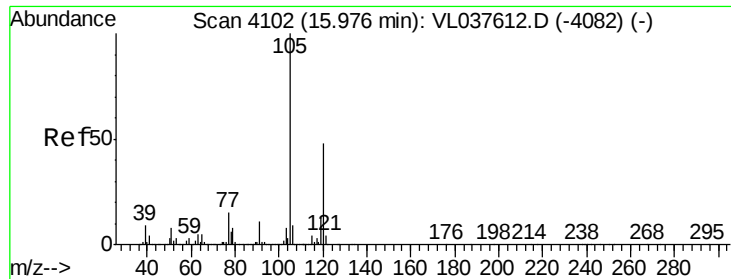
105 100

120 32.0 24.7 37.1

91 12.0 9.9 14.9

77 13.7 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 9.205 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion:105 Resp: 4268203

Ion Ratio Lower Upper

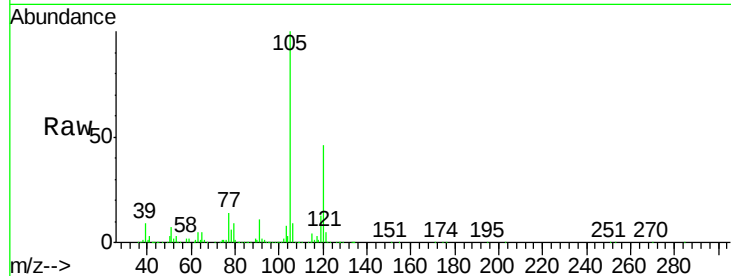
105 100

120 45.7 38.3 57.5

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

Ion 120.20 (119.90 to 120.90): V

15.97

2000000

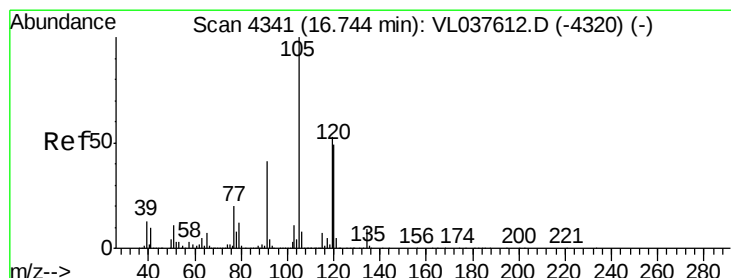
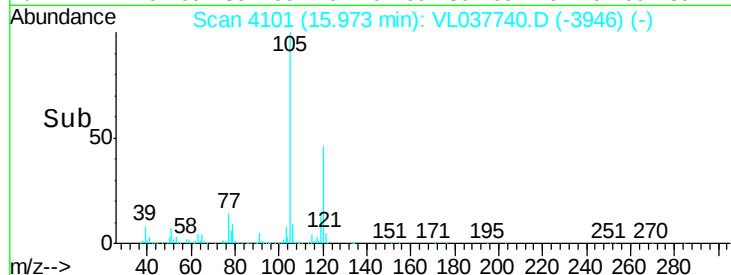
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 9.145 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Tgt Ion:105 Resp: 4466144

Ion Ratio Lower Upper

105 100

120 47.9 39.4 59.0

91 40.4 33.3 49.9

77 19.2 15.7 23.5

Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

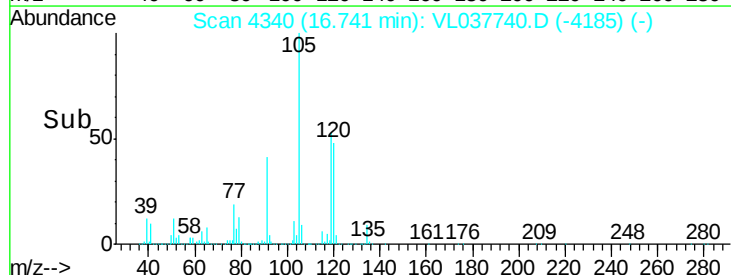
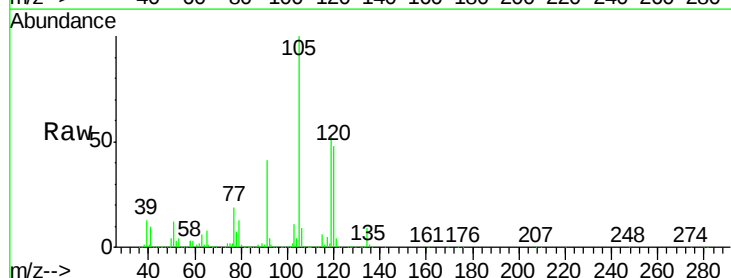
1500000

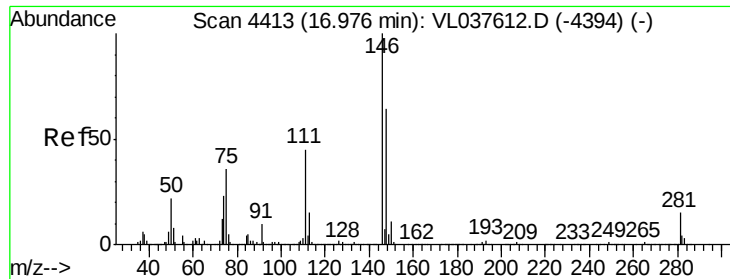
1000000

500000

0

Time-->





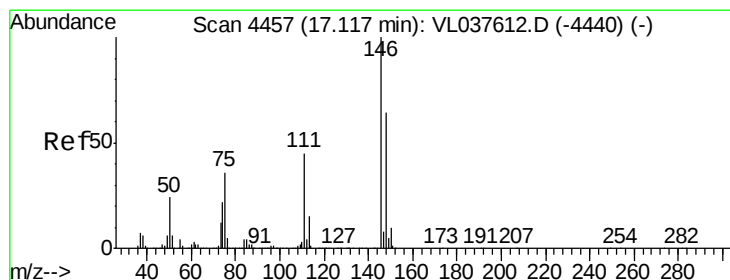
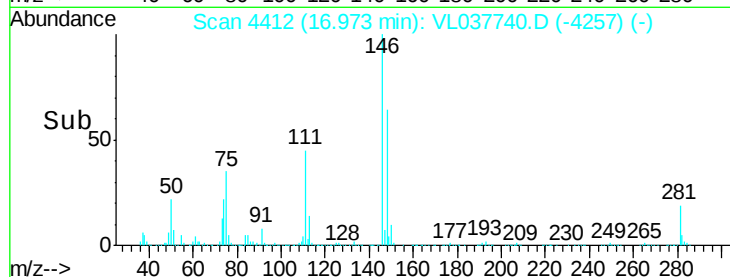
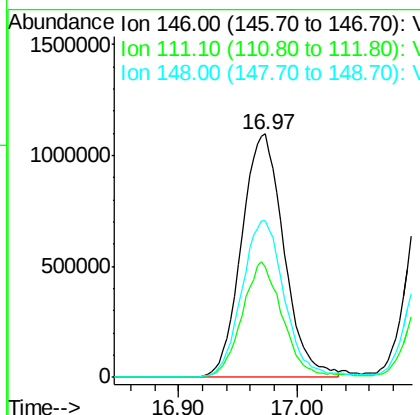
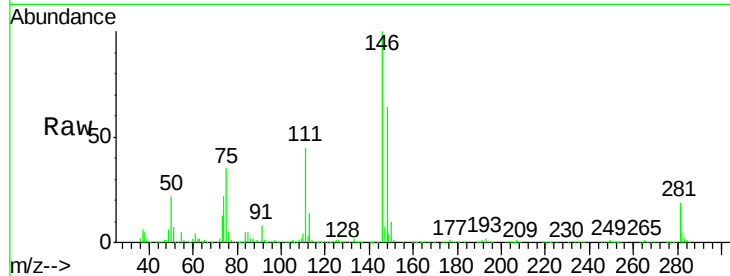
#75
 1,3-Dichlorobenzene
 Concen: 8.907 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Instrument :
 MSVOA_L
 ClientSampleId :
 VL1001ABS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	45.4	22.8	68.3
148	65.0	32.1	96.5

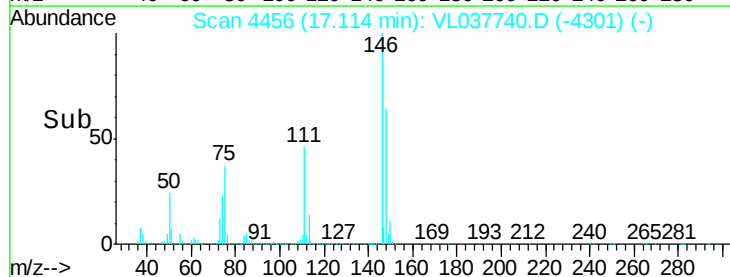
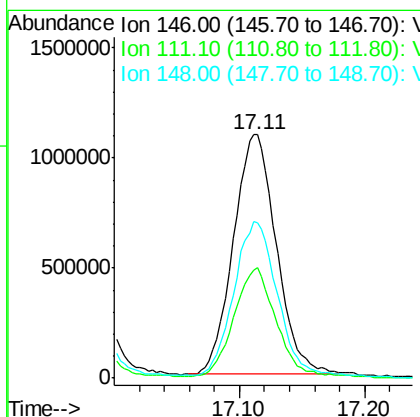
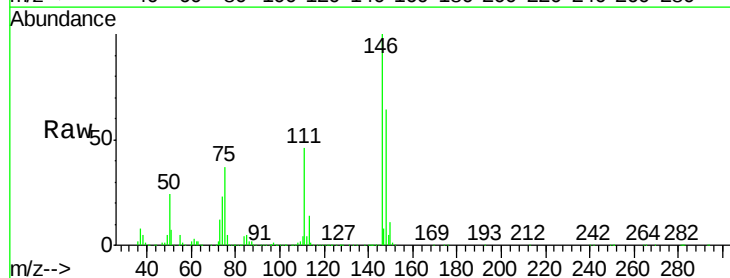
Manual Integrations
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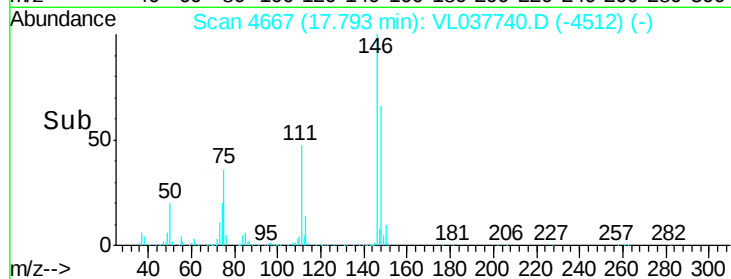
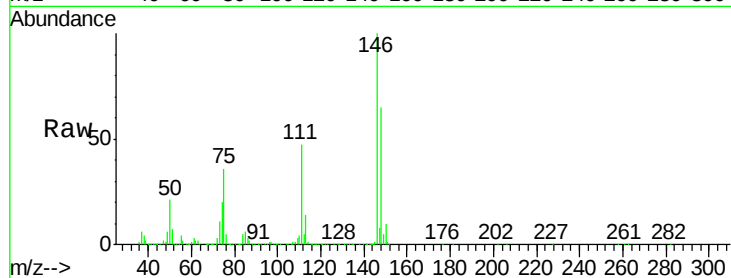
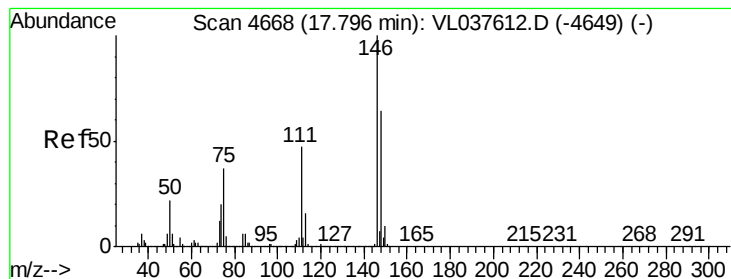
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#76
 1,4-Dichlorobenzene
 Concen: 8.671 ppbv
 RT: 17.11 min Scan# 4456
 Delta R.T. -0.00 min
 Lab File: VL037740.D
 Acq: 1 Oct 2021 12:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	46.1	22.5	67.5
148	68.0	32.9	98.6





#77

1,2-Dichlorobenzene

Concen: 9.127 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037740.D

Acq: 1 Oct 2021 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL1001ABS01

Tot Ion:146 Resp: 2626794

Ion Ratio Lower Upper

146 100

111 46.5 24.0 72.0

148 64.6 32.8 98.3

Manual Integrations

APPROVED

MMDadoda

10/4/2021 5:49:54 PM

