

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL100121\
 Data File : VL037756.D
 Acq On : 2 Oct 2021 00:24
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
 APPROVED

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 10/4/2021 5:50:21 PM

Quant Time: Oct 02 19:36:50 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	1451614	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4284443	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3673776m	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2716553	10.23	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	1846047m	7.028	ppbv	
3) Chlorodifluoromethane	2.98	51	2542571	9.286	ppbv	98
4) Chloromethane	3.13	50	953012	9.421	ppbv	98
5) Vinyl Chloride	3.25	62	973763	10.248	ppbv	100
6) Bromomethane	3.47	94	489673	8.867	ppbv	98
7) Chloroethane	3.55	64	336491	9.476	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	2146079	9.471	ppbv	100
9) Propene	3.00	41	956496	9.903	ppbv	97
10) Heptane	8.10	43	2330327	10.340	ppbv	100
11) Trichlorofluoromethane	3.94	101	1957669	9.283	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1475955	9.482	ppbv	99
13) Ethanol	3.60	45	98557m	10.432	ppbv	
14) Bromoethene	3.73	108	671574	9.478	ppbv	99
15) Acetone	3.84	43	1149033	7.619	ppbv	96
16) 1,3-Butadiene	3.32	39	932191	9.891	ppbv	100
17) tert-Butyl alcohol	4.28	59	1296031	10.134	ppbv	99
18) 1,1-Dichloroethene	4.28	96	670057	9.240	ppbv	99
19) Isopropyl Alcohol	3.96	45	776049	9.457	ppbv	98
20) Methylene Chloride	4.33	84	593322	8.240	ppbv	98
21) Allyl Chloride	4.40	41	1103665	9.795	ppbv	99
22) trans-1,2-Dichloroethene	4.87	96	683459	9.368	ppbv	97
23) Vinyl Acetate	5.06	43	1801461	8.632	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1396177	9.338	ppbv	98
25) Ethyl Acetate	5.66	43	3618179	9.905	ppbv	99
26) Hexane	5.67	57	1756174	10.121	ppbv	99
27) Carbon Disulfide	4.54	76	1666751	10.500	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1455384	9.523	ppbv	99
29) Chloroform	5.74	83	2376987	9.381	ppbv	99
30) Cyclohexane	7.11	84	1465301	9.874	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1605036	10.189	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	2293296	9.722	ppbv	99
34) 2-Butanone	5.23	43	1627625	9.348	ppbv	99
35) Carbon Tetrachloride	7.00	117	2350420	9.698	ppbv	98
36) Benzene	6.88	78	3536223	9.898	ppbv	98
37) 1,2-Dichloroethane	6.29	62	1676778	9.543	ppbv	100
38) Trichloroethene	7.82	130	1378375	9.236	ppbv	95
39) 1,2-Dichloropropane	7.60	63	1355882	9.909	ppbv	97
40) 1,4-Dioxane	7.82	88	339914m	10.212	ppbv	
41) Tetrahydrofuran	6.03	42	861667	10.527	ppbv	100
42) Bromodichloromethane	7.78	83	2518802	10.002	ppbv	99
43) Methyl Methacrylate	8.00	69	1288235	10.839	ppbv	100

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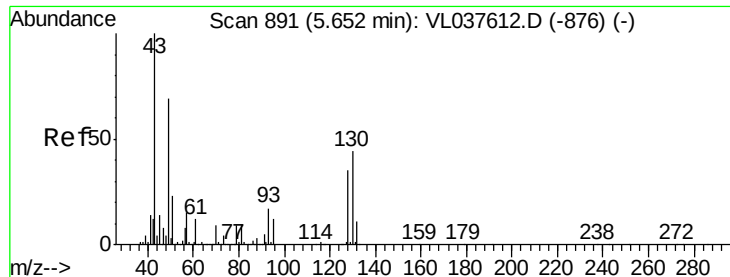
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 1
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5874040	9.780	ppbv	100
45) t-1,3-Dichloropropene	9.26	75	962210	10.307	ppbv	95
46) cis-1,3-Dichloropropene	8.69	75	1302375	10.327	ppbv	98
47) 1,1,2-Trichloroethane	9.46	97	1411131	9.322	ppbv	96
48) Dibromochloromethane	10.28	129	2195222	10.395	ppbv	97
49) Bromoform	13.02	173	1787630	10.577	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2333383	10.559	ppbv	99
51) 2-Hexanone	10.12	43	1109162	11.376	ppbv #	99
52) Tetrachloroethene	11.20	164	1285800	9.375	ppbv	98
53) Toluene	9.79	91	4063834	10.233	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1983790	9.571	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1510235	9.911	ppbv #	53
57) Chlorobenzene	12.13	112	2910104	9.528	ppbv	99
58) Ethyl Benzene	12.69	91	5127233	10.514	ppbv	99
59) m/p-Xylene	12.98	91	8513899m	20.034	ppbv	
60) o-Xylene	13.67	91	3954771	9.777	ppbv	97
61) Styrene	13.51	104	2218653	11.123	ppbv	98
62) Isopropylbenzene	14.64	105	5517102	9.763	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.66	83	2911028	9.196	ppbv	100
64) n-propylbenzene	15.54	120	1482810	10.169	ppbv	86
65) tert-Butylbenzene	16.73	119	4928476	9.673	ppbv	99
66) Benzyl Chloride	16.97	91	271026	9.734	ppbv	97
67) sec-Butylbenzene	17.27	105	6838012	9.892	ppbv	99
69) p-Isopropyltoluene	17.63	119	5713988	10.118	ppbv	100
70) n-Butylbenzene	18.53	91	5584881	10.452	ppbv	99
71) 2-Chlorotoluene	15.43	91	4095722	10.114	ppbv	99
72) 4-Ethyltoluene	15.82	105	4706717	10.137	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4460334	10.306	ppbv	99
74) 1,2,4-Trimethylbenzene	16.74	105	4417976	9.691	ppbv	95
75) 1,3-Dichlorobenzene	16.98	146	2704980	9.550	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2698054	9.658	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2632238	9.799	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	1917099	8.479	ppbv	100
79) Naphthalene	22.17	128	3307481	11.816	ppbv	99
80) Naphthalene, 2-methyl-	24.95	142	855628	13.374	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1949552	10.848	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 49 Resp: 1451614

Ion Ratio Lower Upper

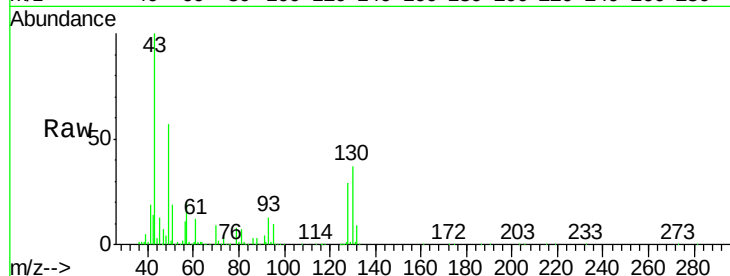
49 100

128 54.3 27.9 83.6

130 67.5 33.9 101.7

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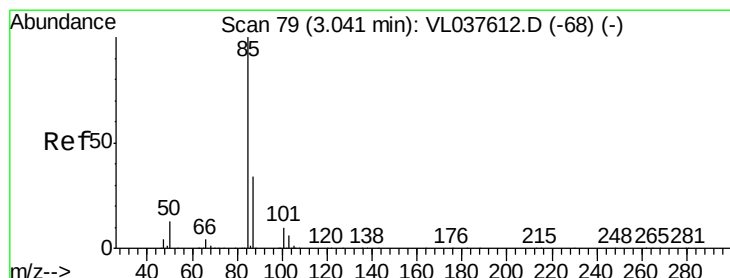
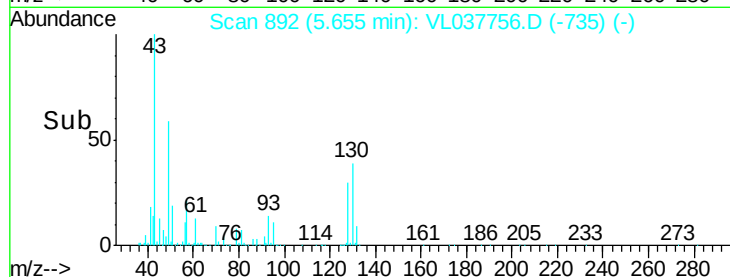
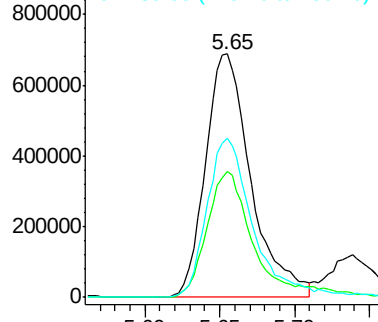
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 7.028 ppbv m

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL037756.D

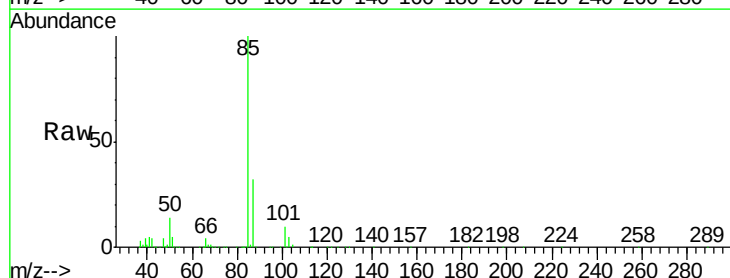
Acq: 2 Oct 2021 00:24

Tgt Ion: 85 Resp: 1846047

Ion Ratio Lower Upper

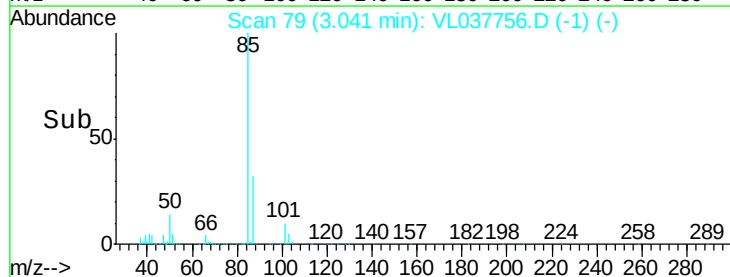
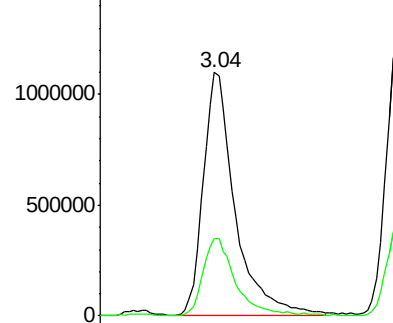
85 100

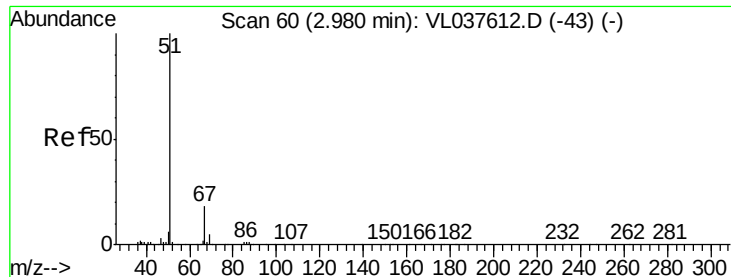
87 31.7 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





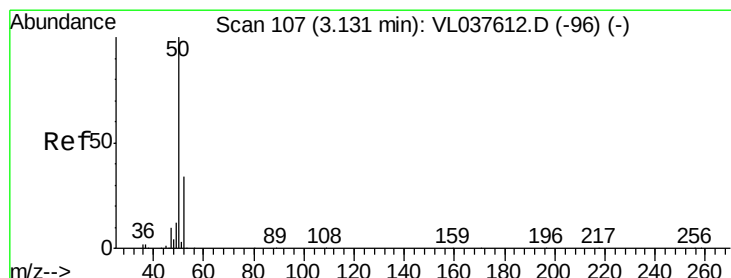
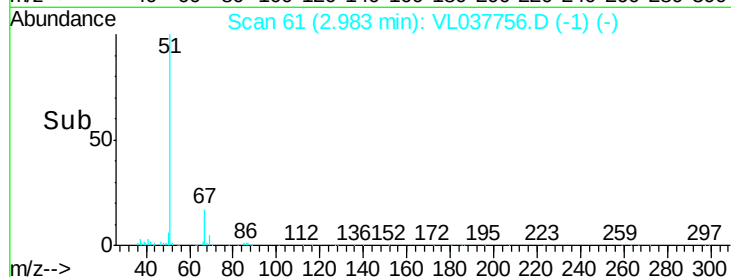
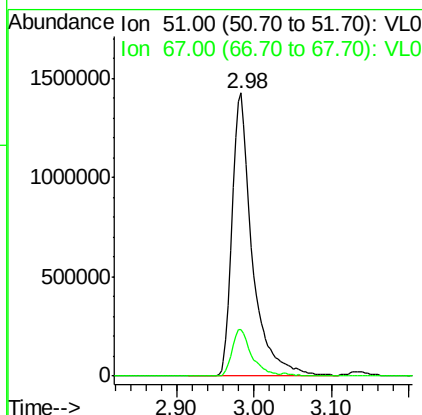
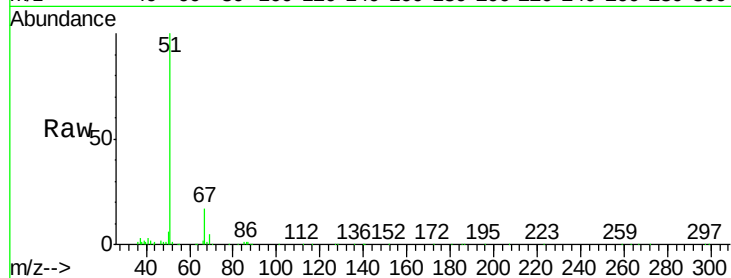
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Chlorodifluoromethane
Concen: 9.286 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 51 Resp: 2542571
Ion Ratio Lower Upper
51 100
67 16.8 14.0 21.0

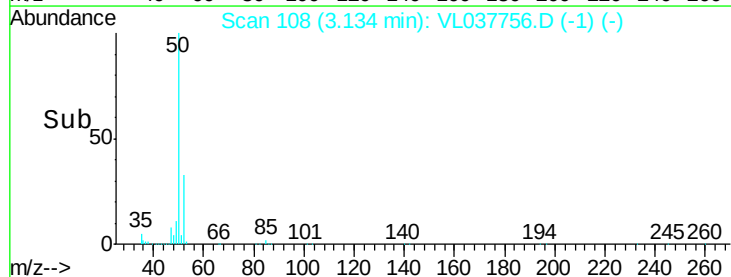
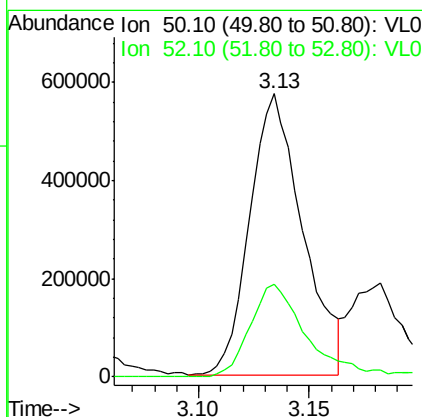
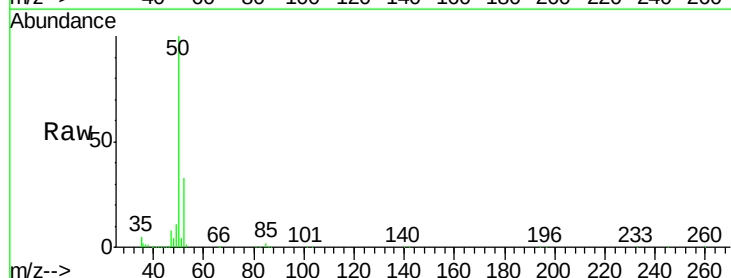
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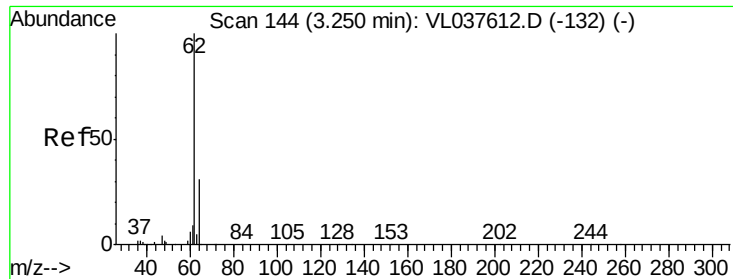
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#4
Chloromethane
Concen: 9.421 ppbv
RT: 3.13 min Scan# 108
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 50 Resp: 953012
Ion Ratio Lower Upper
50 100
52 32.8 27.1 40.7





#5

Vinyl Chloride

Concen: 10.248 ppbv

RT: 3.25 min Scan# 144

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 62 Resp: 973763

Ion Ratio Lower Upper

62 100

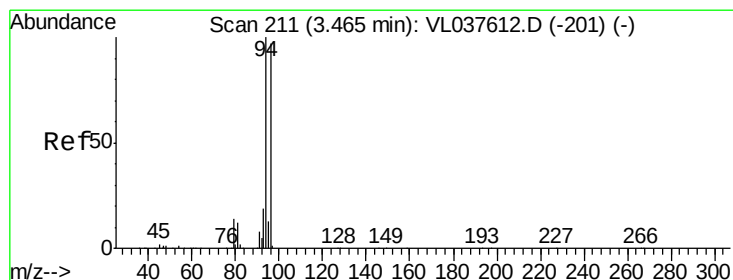
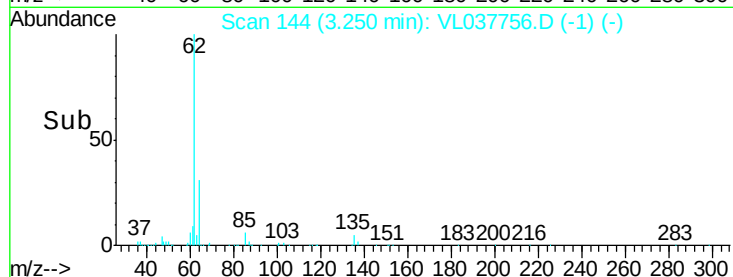
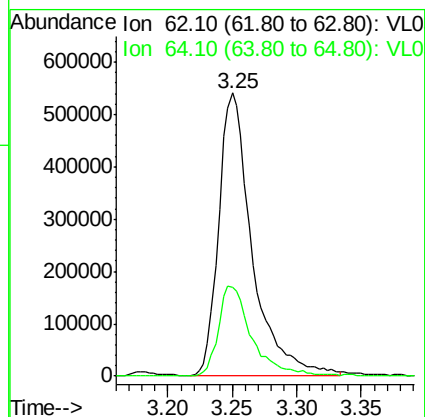
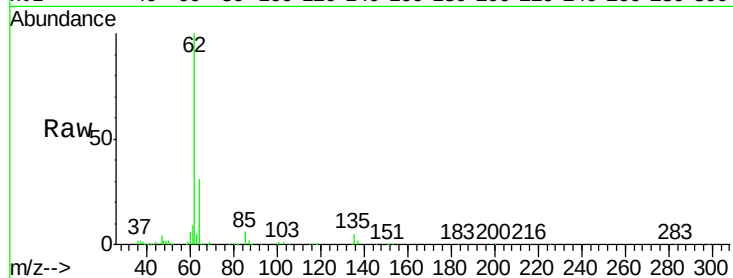
64 31.1 24.9 37.3

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#6

Bromomethane

Concen: 8.867 ppbv

RT: 3.47 min Scan# 211

Delta R.T. 0.00 min

Lab File: VL037756.D

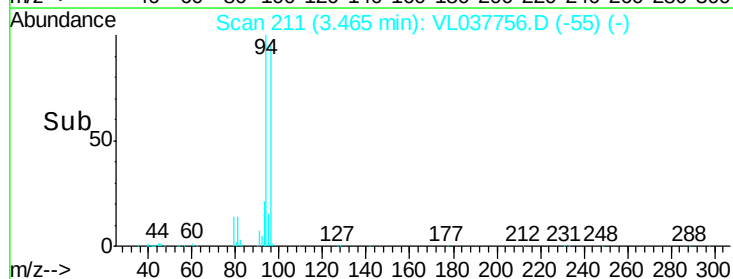
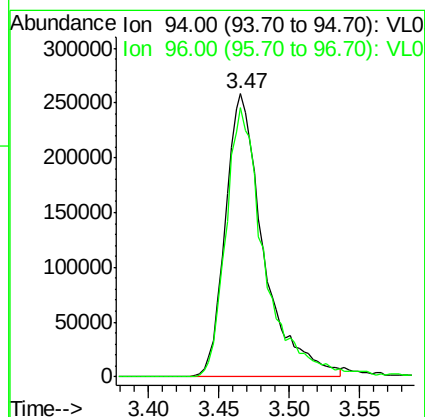
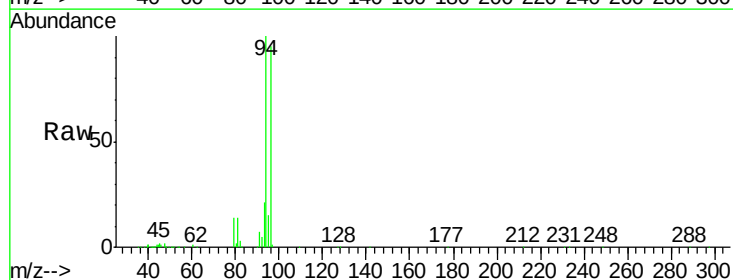
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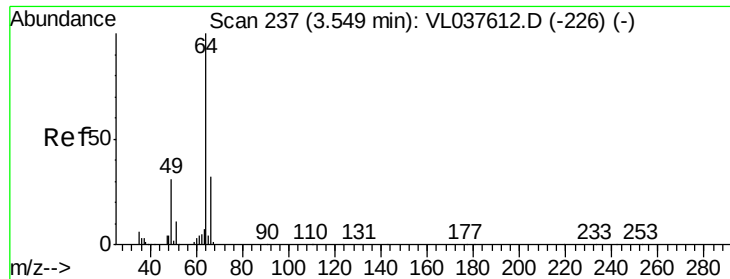
Tgt Ion: 94 Resp: 489673

Ion Ratio Lower Upper

94 100

96 94.7 77.3 115.9





#7

Chloroethane

Concen: 9.476 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 64 Resp: 336491

Ion Ratio Lower Upper

64 100

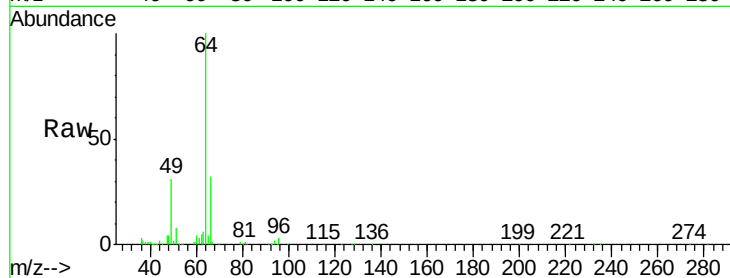
66 31.9 25.3 37.9

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.55

200000

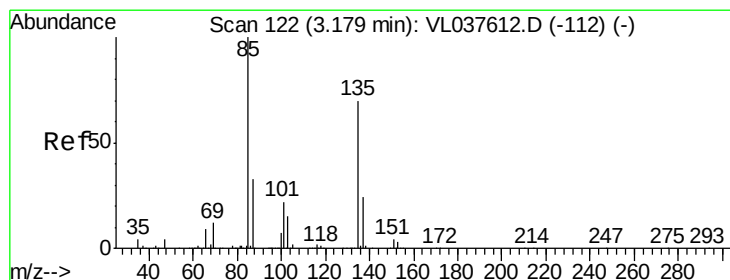
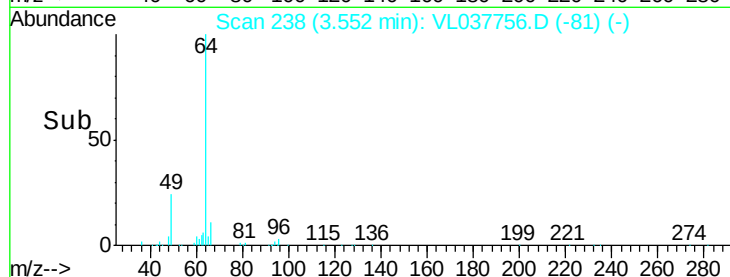
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.471 ppbv

RT: 3.18 min Scan# 123

Delta R.T. 0.00 min

Lab File: VL037756.D

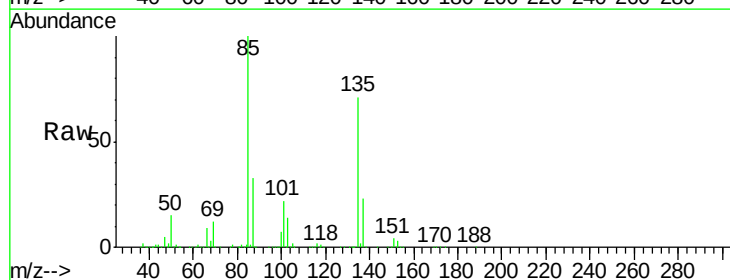
Acq: 2 Oct 2021 00:24

Tgt Ion: 85 Resp: 2146079

Ion Ratio Lower Upper

85 100

135 73.7 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

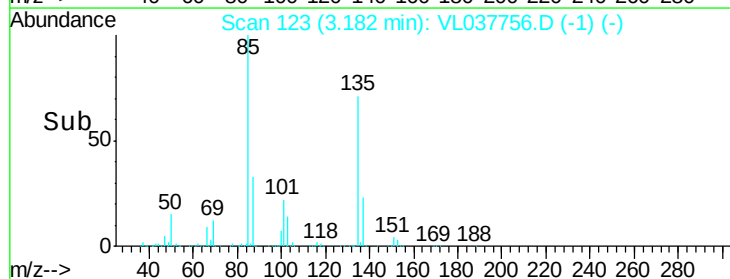
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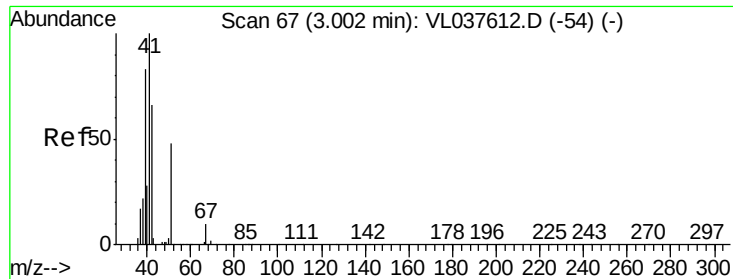
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Time-->





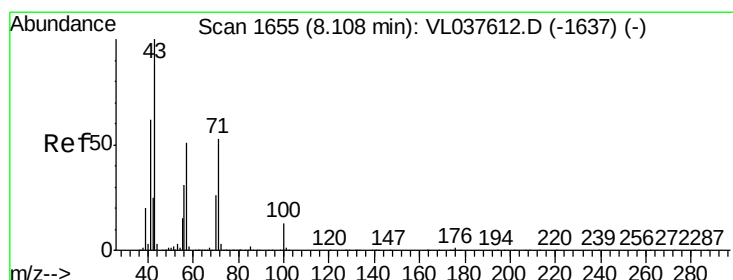
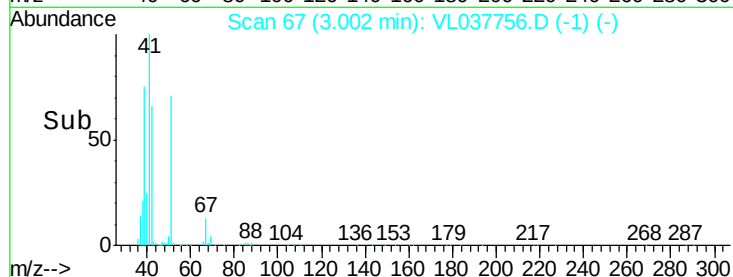
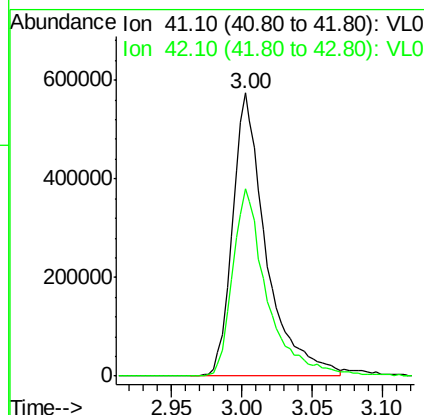
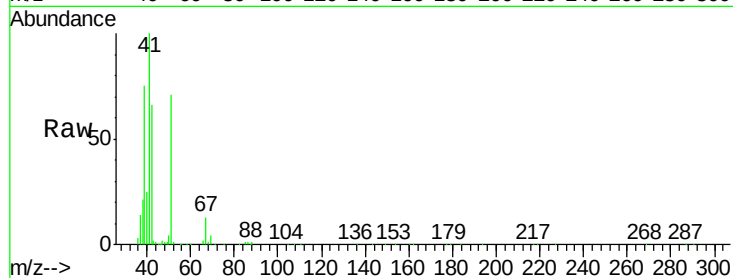
#9
 Propene
 Concen: 9.903 ppbv
 RT: 3.00 min Scan# 67
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 41 Resp: 956496
 Ion Ratio Lower Upper
 41 100
 42 68.7 57.2 85.8

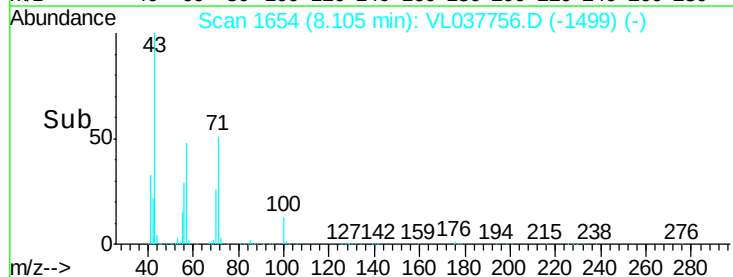
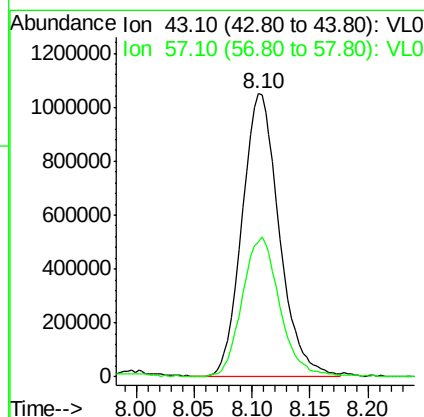
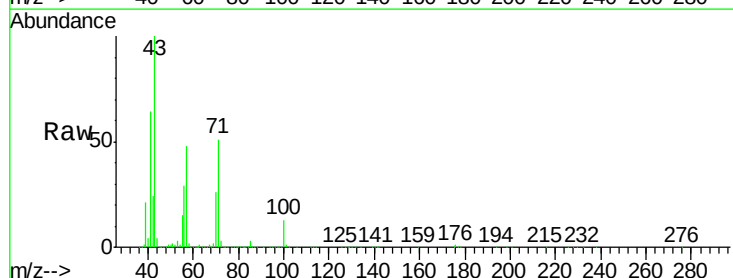
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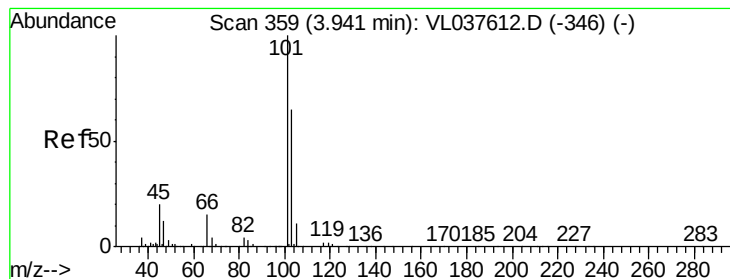
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#10
 Heptane
 Concen: 10.340 ppbv
 RT: 8.10 min Scan# 1654
 Delta R.T. -0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion: 43 Resp: 2330327
 Ion Ratio Lower Upper
 43 100
 57 50.0 40.1 60.1





#11

Trichlorofluoromethane

Concen: 9.283 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:101 Resp: 1957669

Ion Ratio Lower Upper

101 100

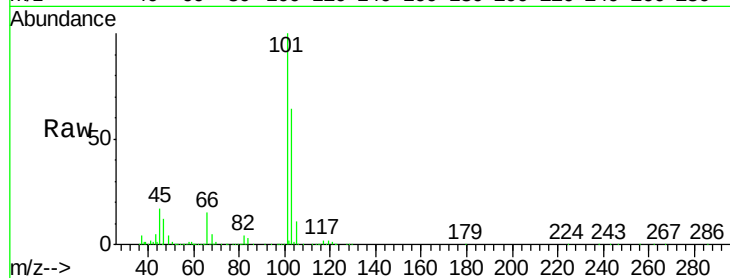
103 63.8 51.9 77.9

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

1200000

1000000

800000

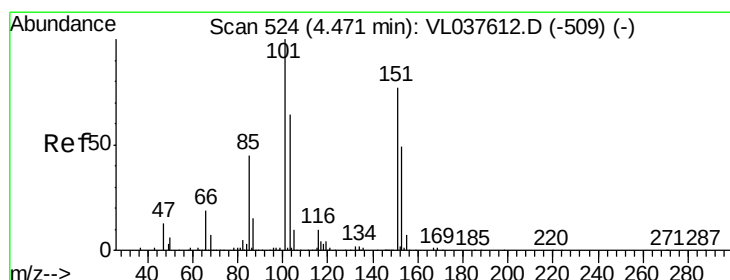
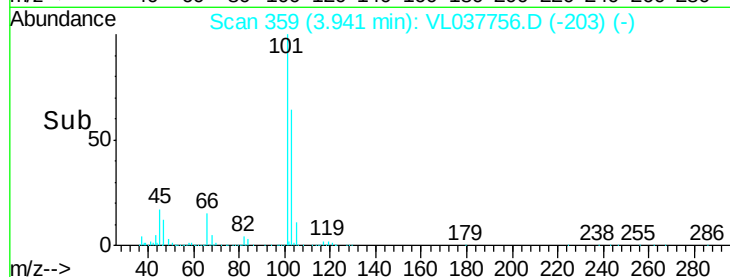
600000

400000

200000

0

Time--> 3.85 3.90 3.95 4.00 4.05



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.482 ppbv

RT: 4.47 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL037756.D

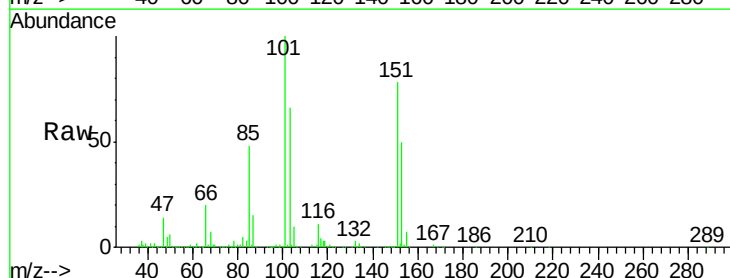
Acq: 2 Oct 2021 00:24

Tgt Ion:101 Resp: 1475955

Ion Ratio Lower Upper

101 100

151 78.5 63.5 95.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

800000

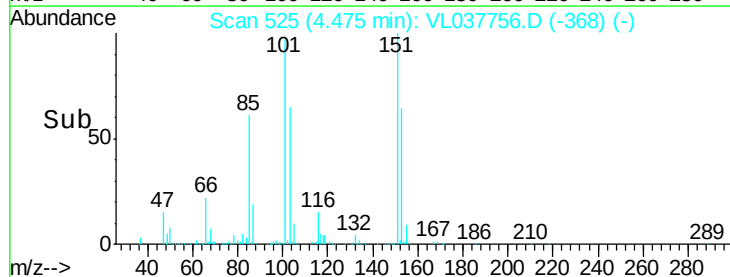
600000

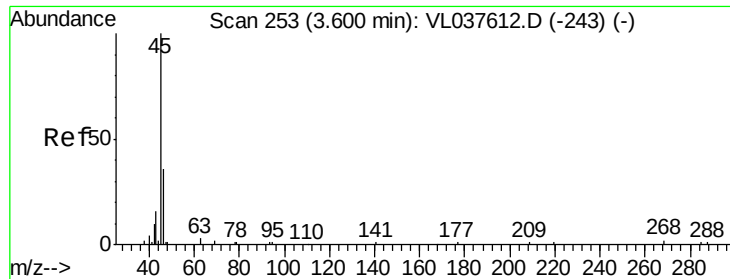
400000

200000

0

Time--> 4.40 4.50 4.60





#13

Ethanol

Concen: 10.432 ppbv m

RT: 3.60 min Scan# 254

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 98557

Ion Ratio Lower Upper

45 100

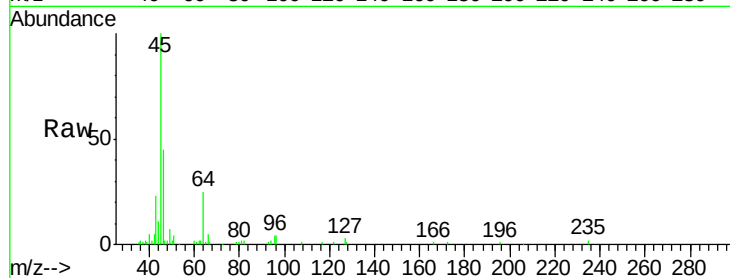
46 35.3 17.2 68.8

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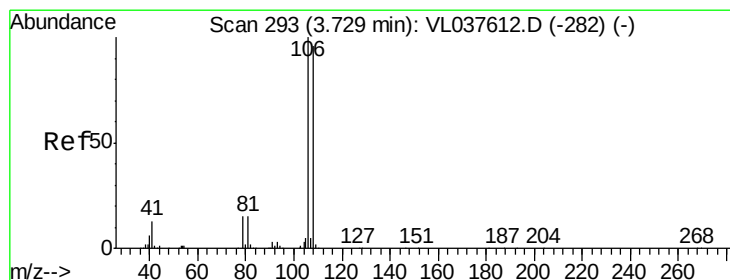
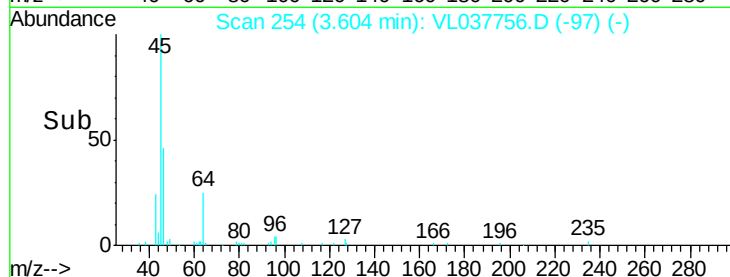
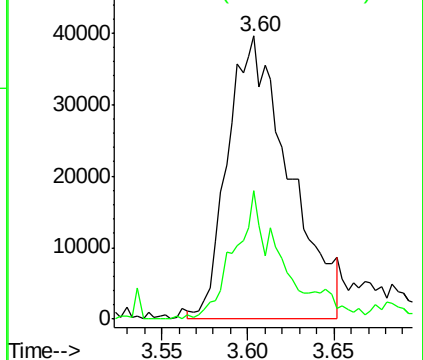
MMDadoda

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#14

Bromoethene

Concen: 9.478 ppbv

RT: 3.73 min Scan# 294

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

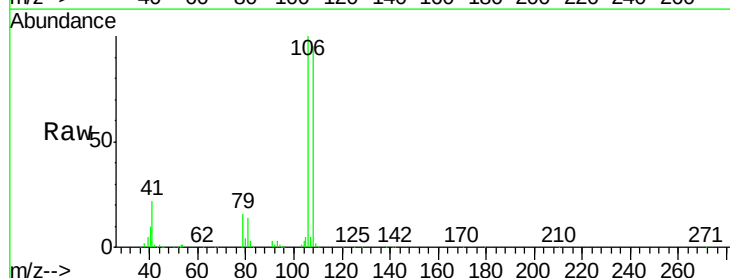
Tgt Ion: 108 Resp: 671574

Ion Ratio Lower Upper

108 100

106 110.7 88.2 132.4

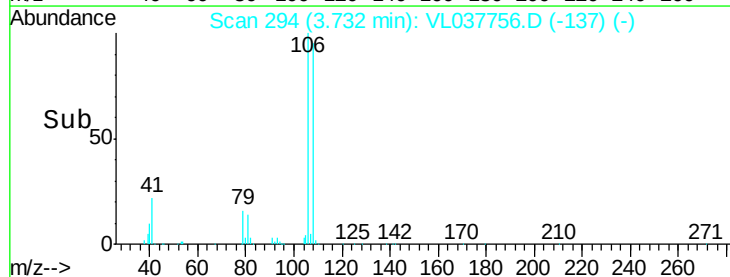
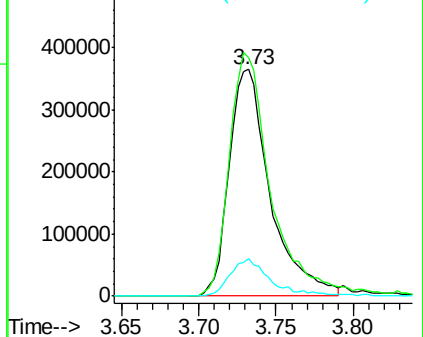
79 16.8 12.8 19.2

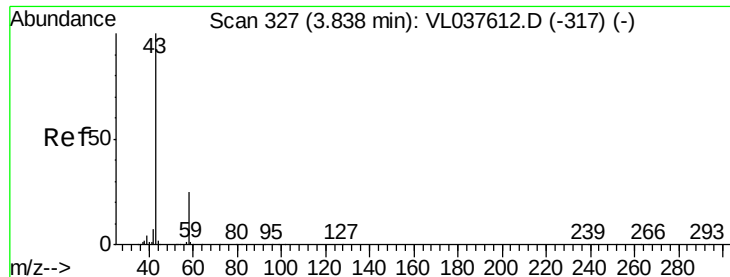


Abundance Ion 108.00 (107.70 to 108.70): V

Ion 106.00 (105.70 to 106.70): V

Ion 79.00 (78.70 to 79.70): VL0





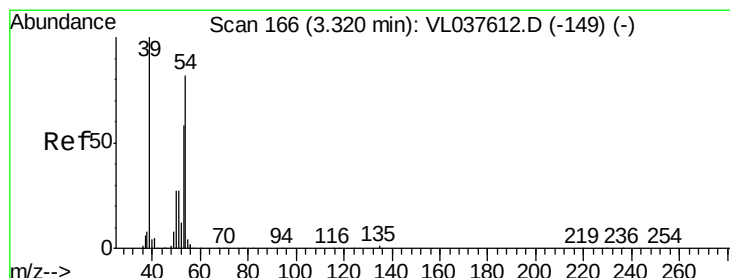
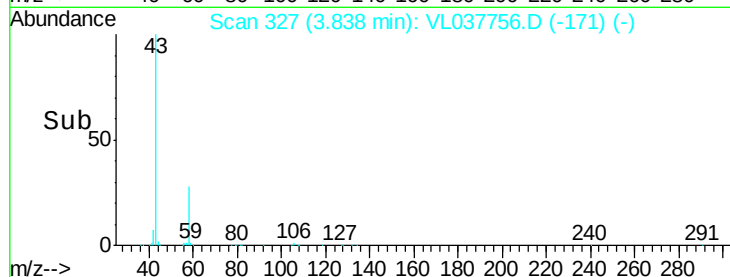
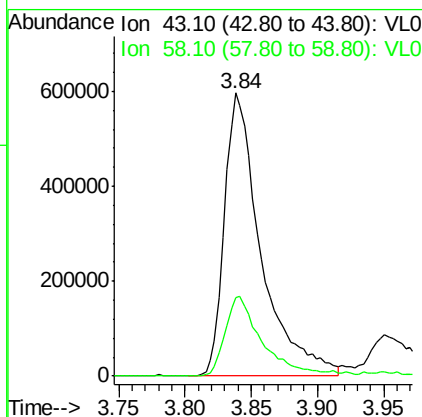
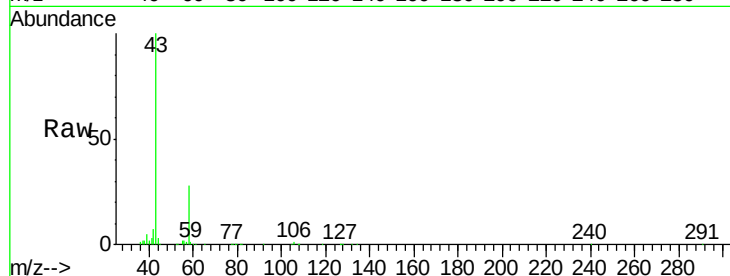
#15
Acetone
Concen: 7.619 ppbv
RT: 3.84 min Scan# 327
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1149033
Ion Ratio Lower Upper
43 100
58 28.8 24.9 37.3

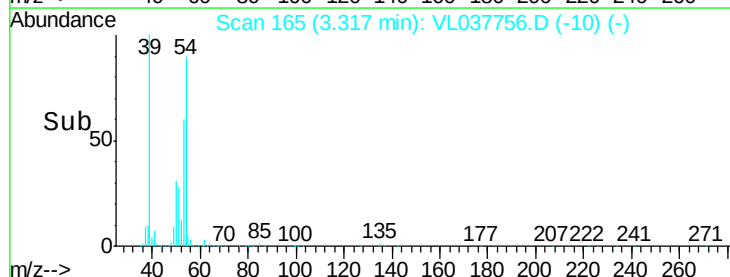
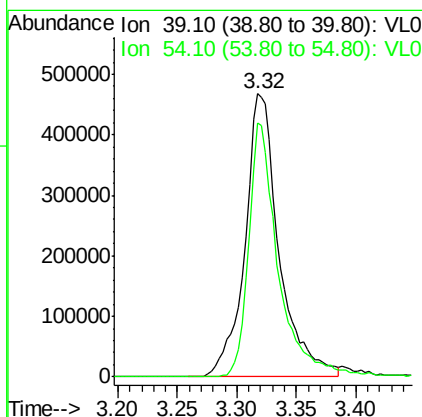
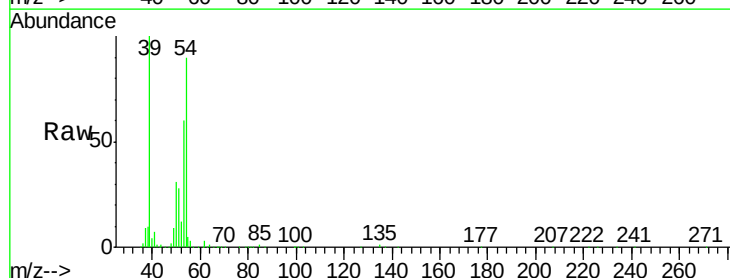
Manual Integrations
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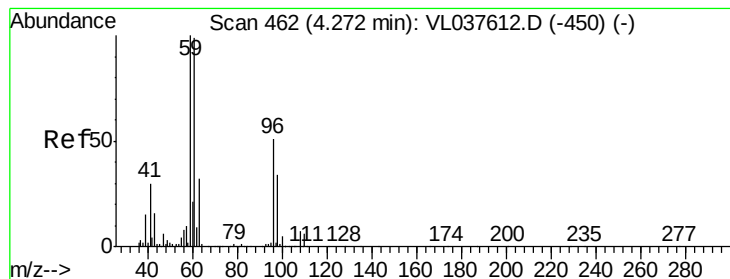
MMDadoda
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#16
1,3-Butadiene
Concen: 9.891 ppbv
RT: 3.32 min Scan# 165
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 39 Resp: 932191
Ion Ratio Lower Upper
39 100
54 78.6 62.6 93.8





#17

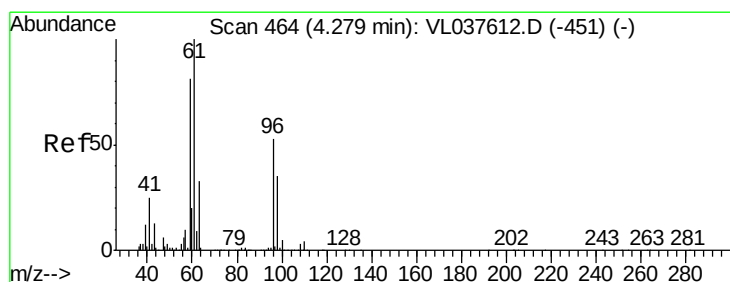
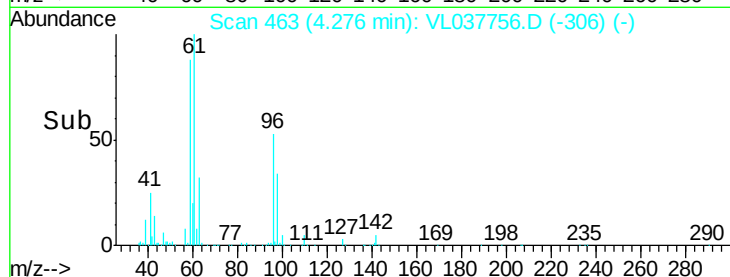
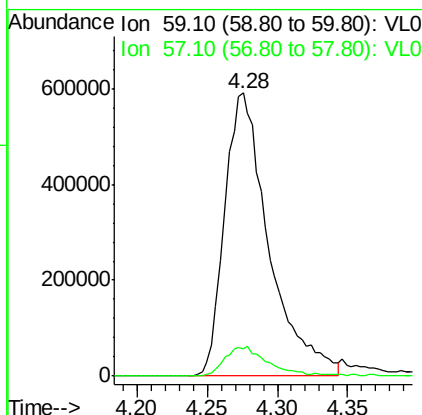
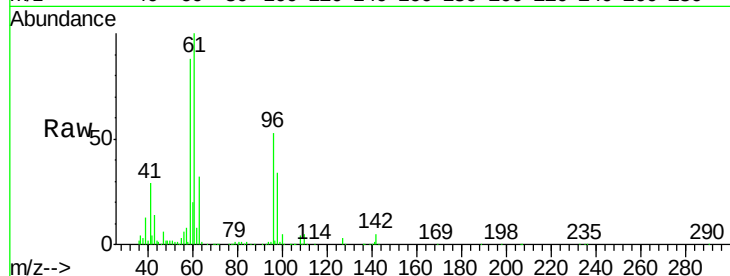
tert-Butyl alcohol
 Concen: 10.134 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 59 Resp: 1296031
 Ion Ratio Lower Upper
 59 100
 57 11.0 8.4 12.6

Manual Integrations
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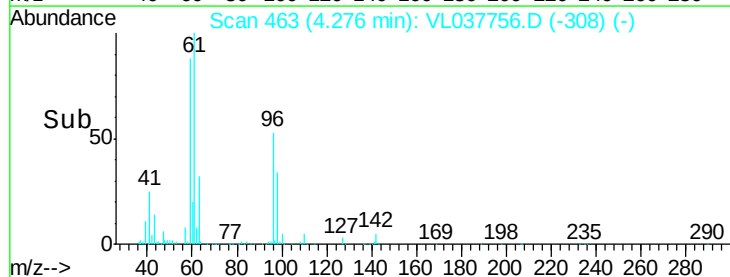
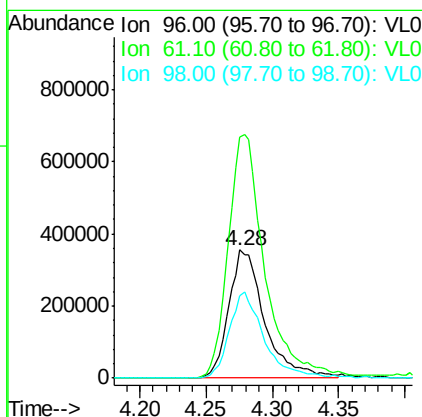
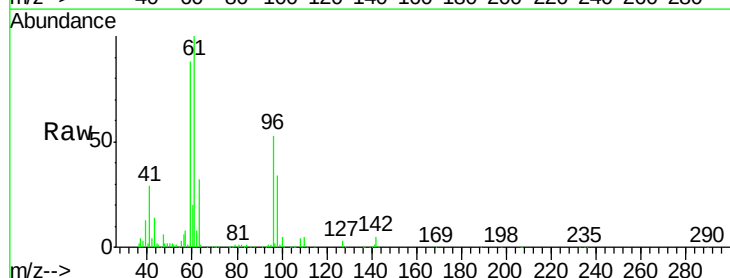
MMDadoda
 10/4/2021 5:50:21 PM

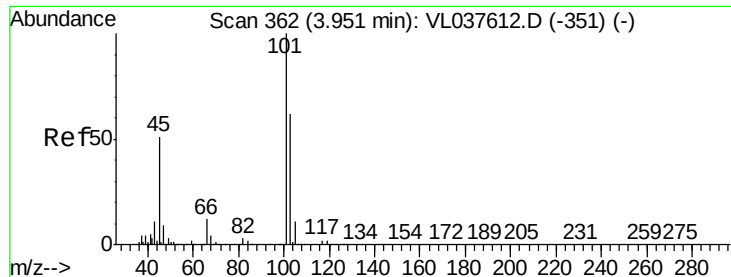


#18

1,1-Dichloroethene
 Concen: 9.240 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion: 96 Resp: 670057
 Ion Ratio Lower Upper
 96 100
 61 187.8 150.4 225.6
 98 63.8 52.1 78.1





#19

Isopropyl Alcohol

Concen: 9.457 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 45 Resp: 776049

Ion Ratio Lower Upper

45 100

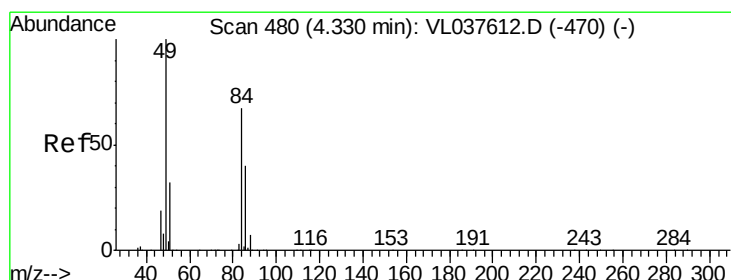
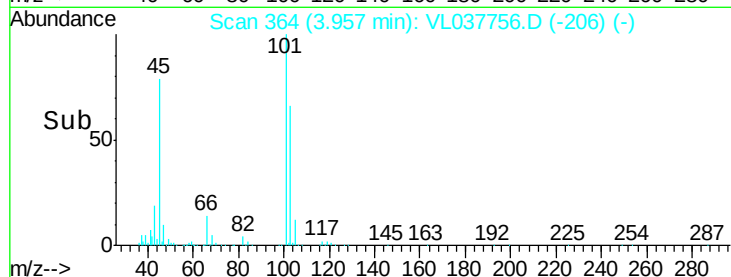
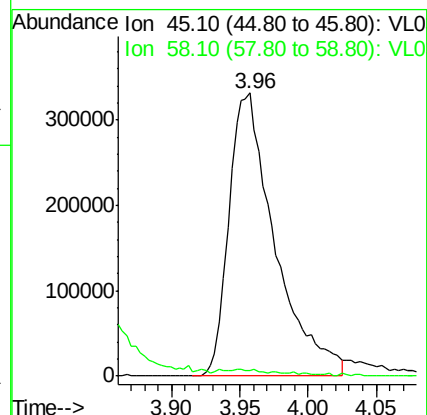
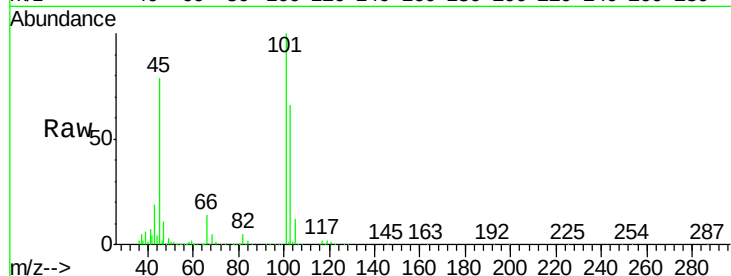
58 3.0 2.9 4.3

Manual Integrations

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#20

Methylene Chloride

Concen: 8.240 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Tgt Ion: 84 Resp: 593322

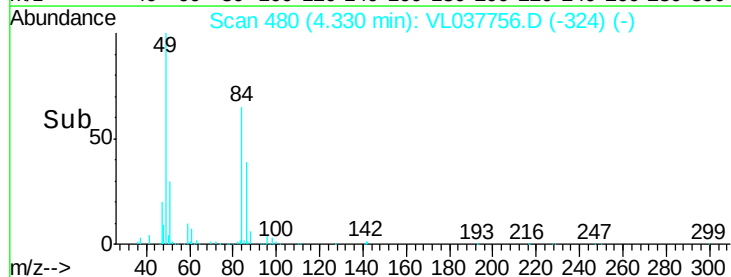
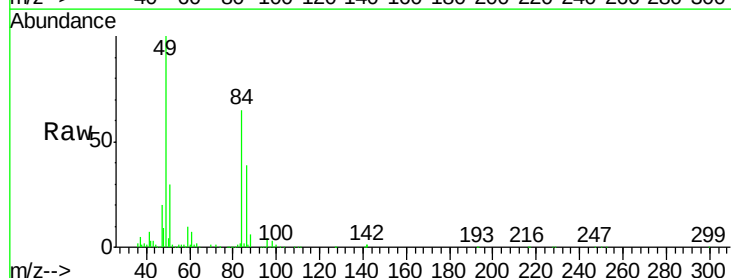
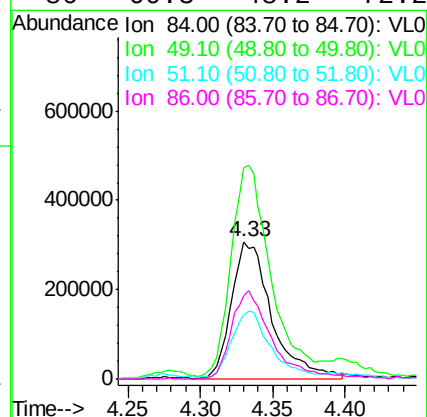
Ion Ratio Lower Upper

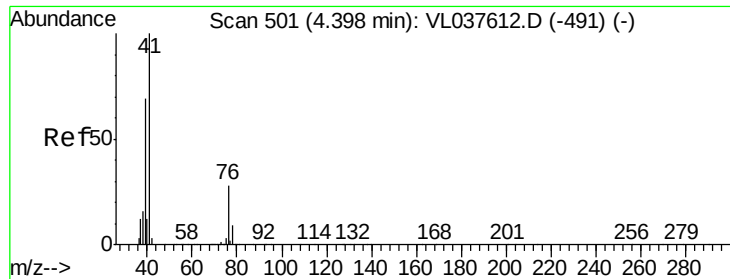
84 100

49 152.0 120.0 180.0

51 45.2 38.0 57.0

86 60.3 48.2 72.2





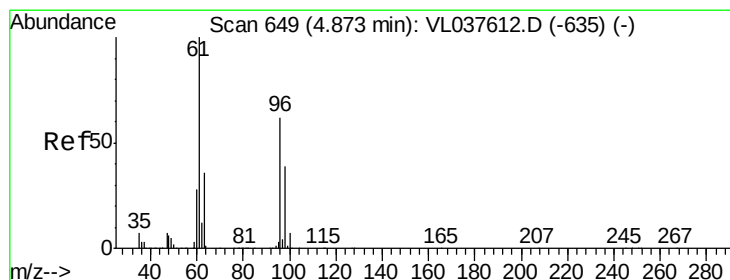
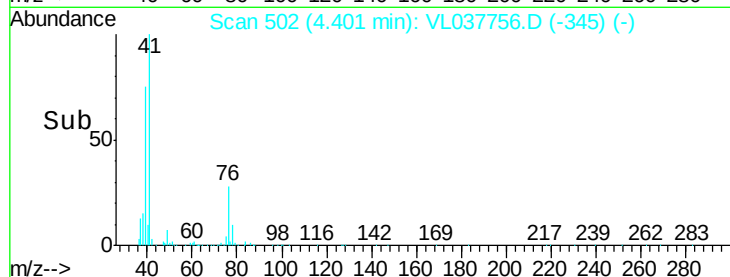
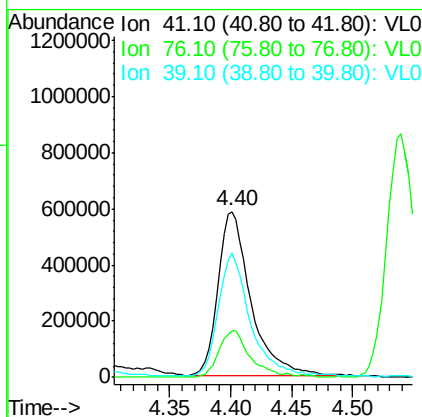
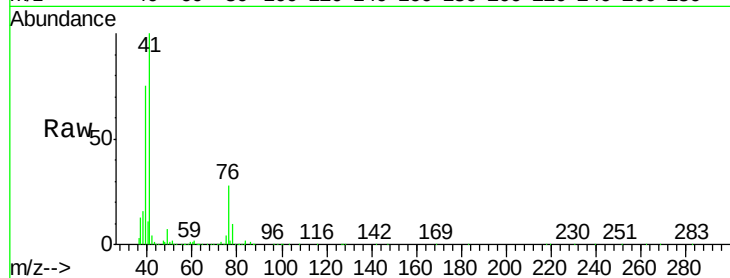
#21
Allvl Chloride
Concen: 9.795 ppbv
RT: 4.40 min Scan# 502
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 41 Resp: 1103665
Ion Ratio Lower Upper
41 100
76 28.1 23.1 34.7
39 75.2 61.0 91.6

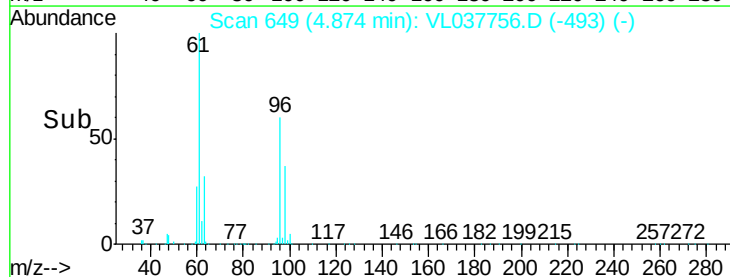
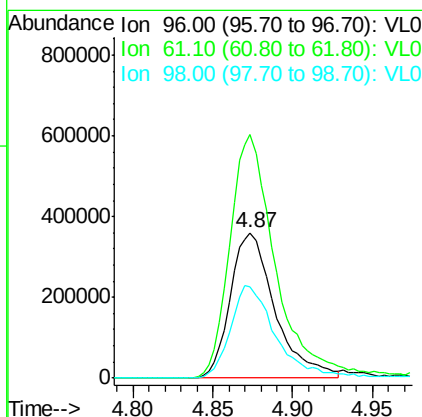
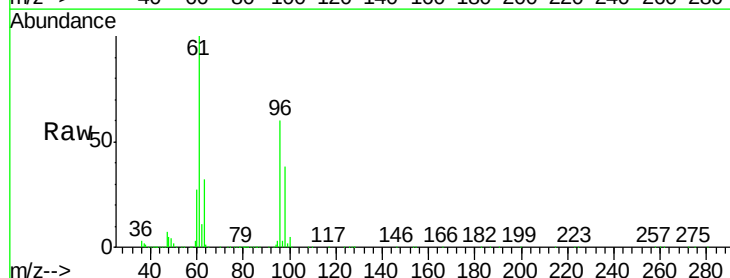
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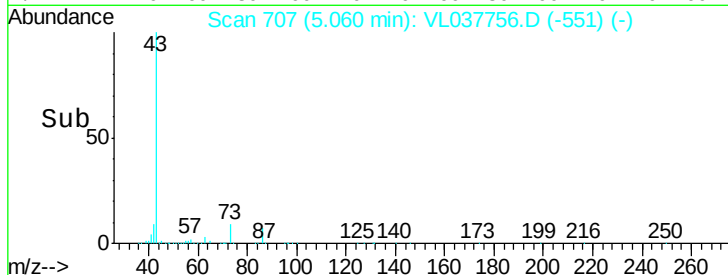
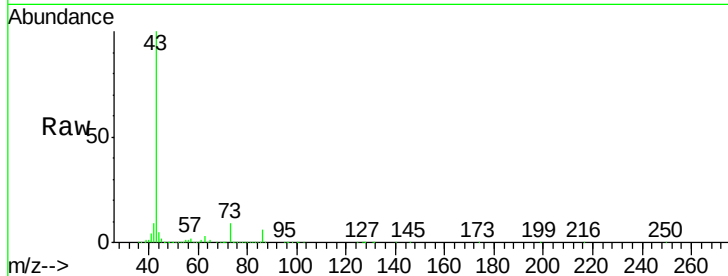
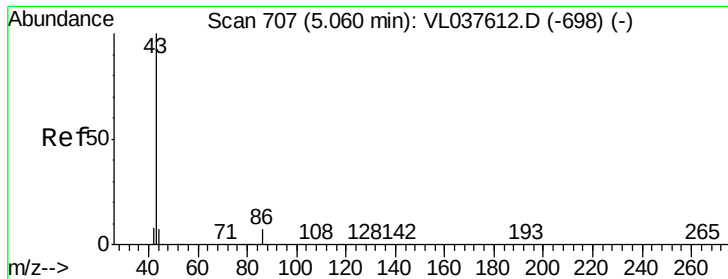
MMDadoda
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#22
trans-1,2-Dichloroethene
Concen: 9.368 ppbv
RT: 4.87 min Scan# 649
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 96 Resp: 683459
Ion Ratio Lower Upper
96 100
61 167.2 129.2 193.8
98 62.7 50.4 75.6





#23

Vinyl Acetate

Concen: 8.632 ppbv

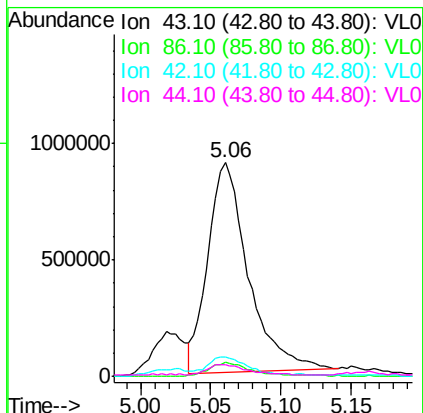
RT: 5.06 min Scan# 707

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Tot Ion	43	Resp	1801461
Ion	Ratio	Lower	Upper
43	100		
86	6.4	5.0	7.6
42	9.0	7.5	11.3
44	4.7	4.7	7.1



Instrument :

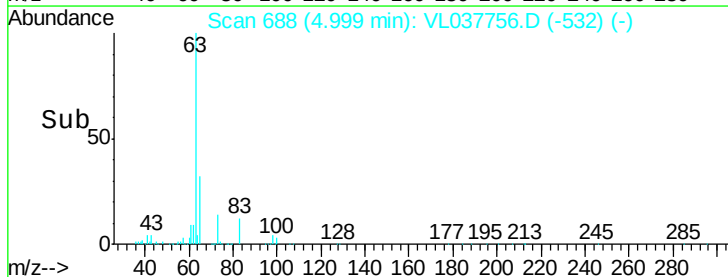
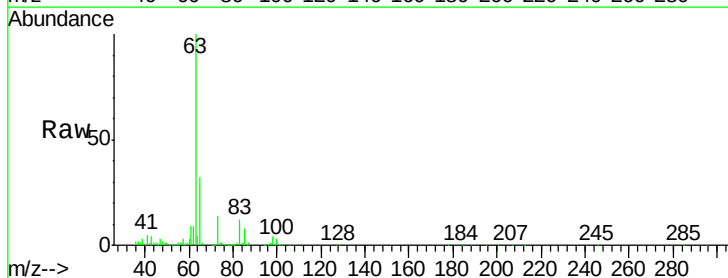
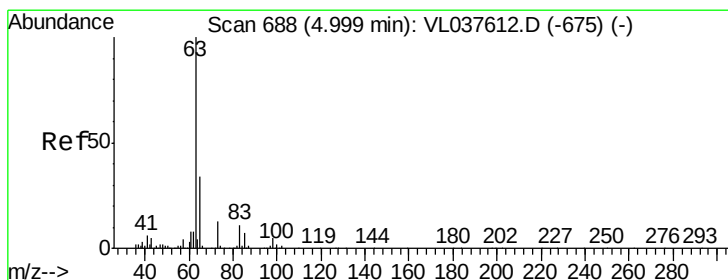
MSVOA_L

ClientSampleId :

VSTDCCC010EC

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#24

1,1-Dichloroethane

Concen: 9.338 ppbv

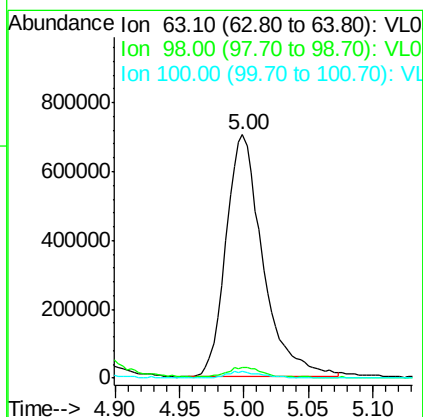
RT: 5.00 min Scan# 688

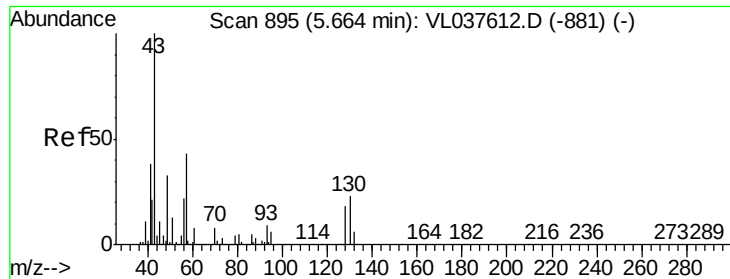
Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Tgt Ion	63	Resp	1396177
Ion	Ratio	Lower	Upper
63	100		
98	3.9	2.4	7.2
100	3.0	1.1	3.5





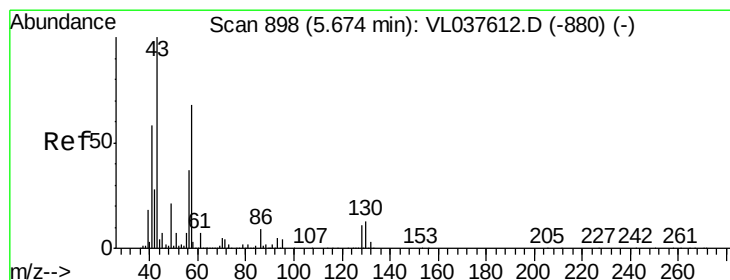
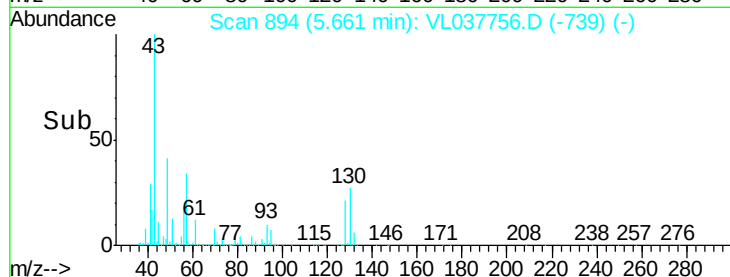
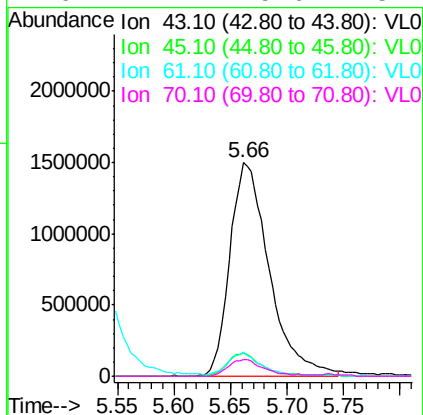
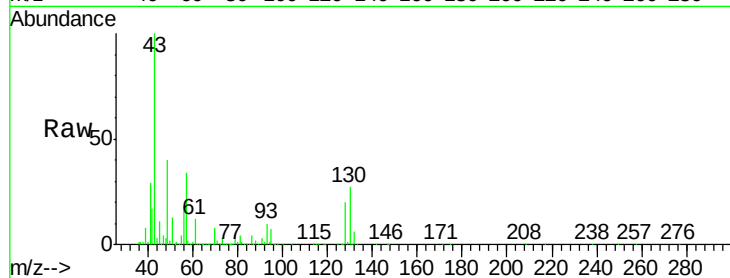
#25
Ethyl Acetate
Concen: 9.905 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	43	Resp	3618179
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.0	12.0
61	9.7	7.5	11.3
70	7.2	5.6	8.4

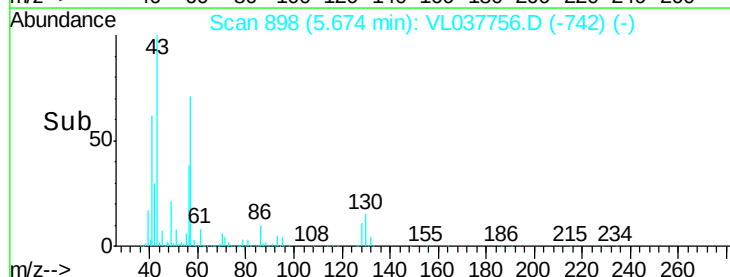
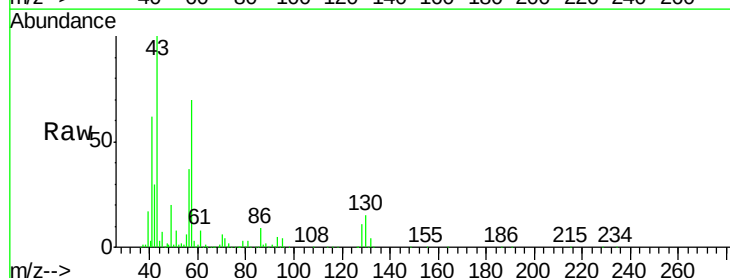
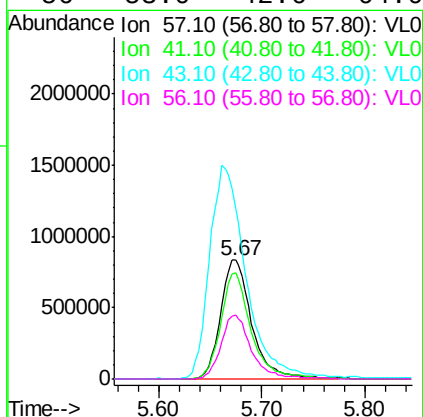
Manual Integrations
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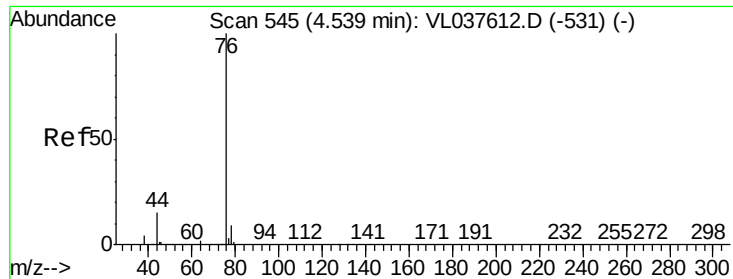
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#26
Hexane
Concen: 10.121 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion	57	Resp	1756174
Ion	Ratio	Lower	Upper
57	100		
41	88.1	70.9	106.3
43	210.5	170.4	255.6
56	53.0	42.6	64.0





#27

Carbon Disulfide

Concen: 10.500 ppbv

RT: 4.54 min Scan# 545

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 76 Resp: 1666751

Ion Ratio Lower Upper

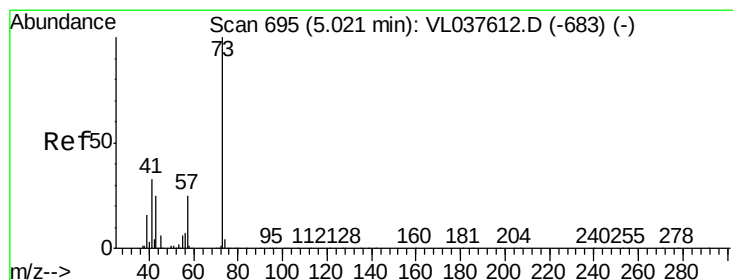
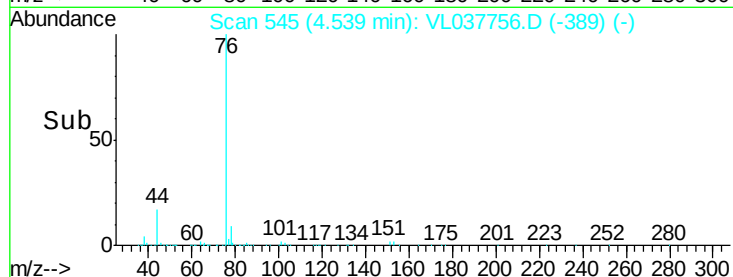
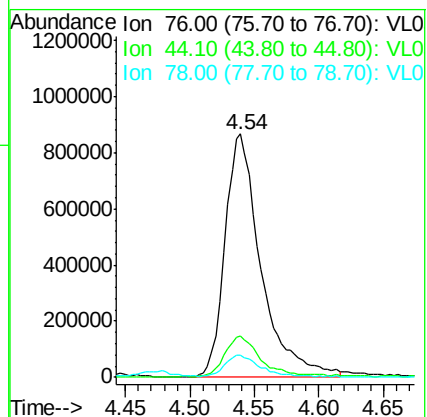
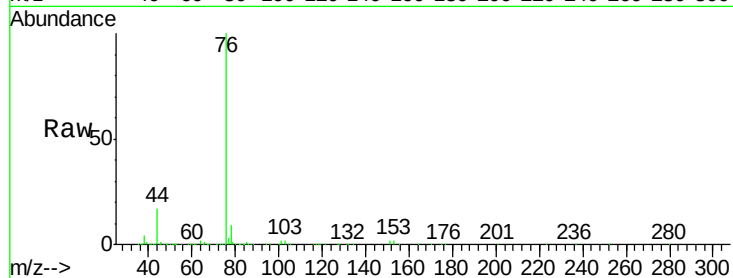
76 100

44 17.7 14.2 21.2

78 9.9 7.4 11.0

Manual Integrations
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#28

Methyl tert-Butyl Ether

Concen: 9.523 ppbv

RT: 5.02 min Scan# 695

Delta R.T. 0.00 min

Lab File: VL037756.D

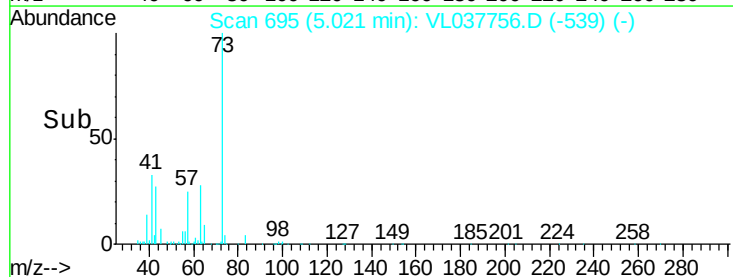
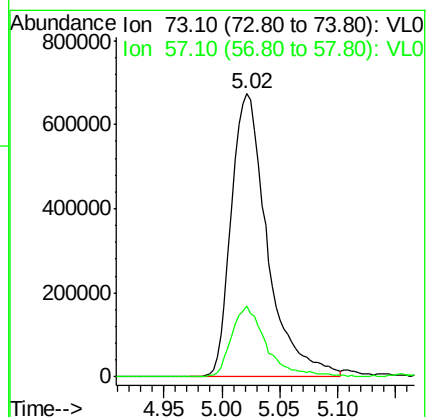
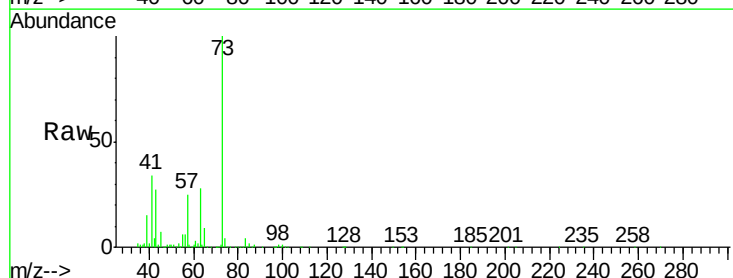
Acq: 2 Oct 2021 00:24

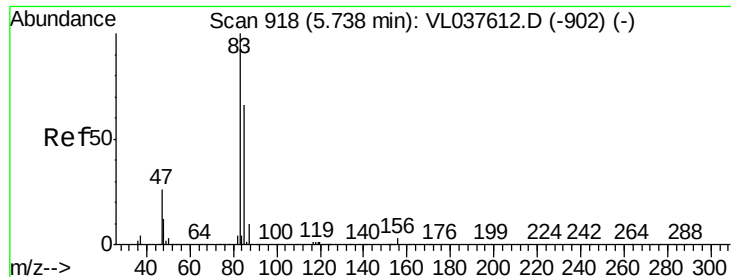
Tgt Ion: 73 Resp: 1455384

Ion Ratio Lower Upper

73 100

57 24.4 20.1 30.1





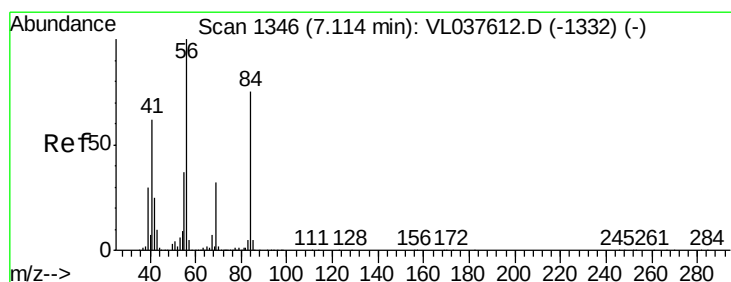
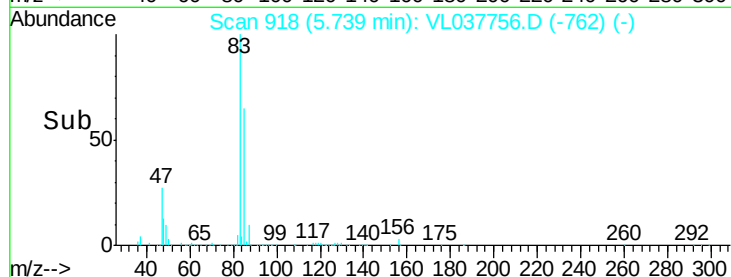
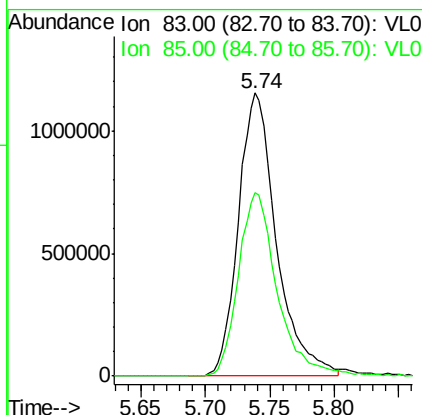
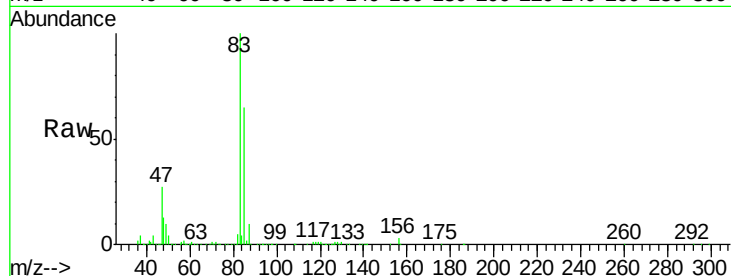
#29
Chloroform
Concen: 9.381 ppbv
RT: 5.74 min Scan# 918
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 83 Resp: 2376987
Ion Ratio Lower Upper
83 100
85 64.7 52.6 79.0

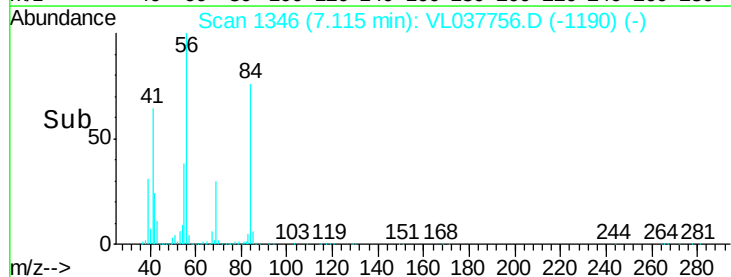
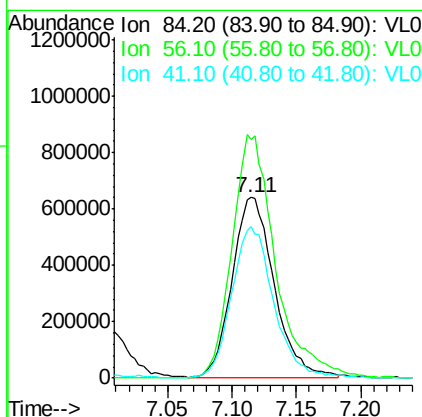
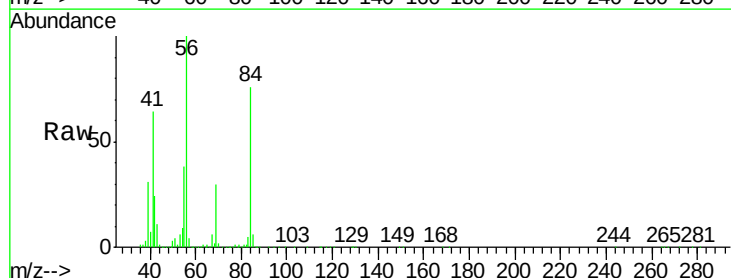
Manual Integrations
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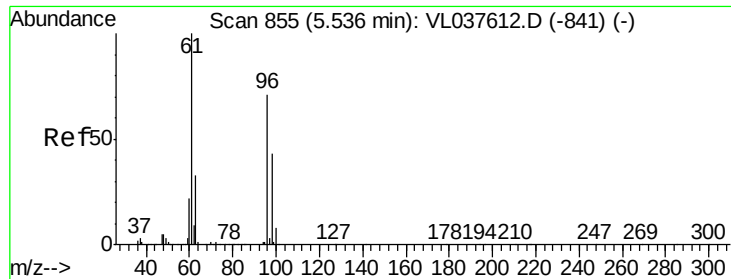
MMDadoda
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#30
Cyclohexane
Concen: 9.874 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 84 Resp: 1465301
Ion Ratio Lower Upper
84 100
56 139.1 113.6 170.4
41 84.0 67.9 101.9





#31

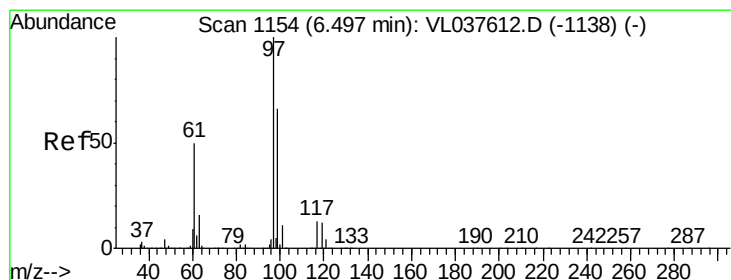
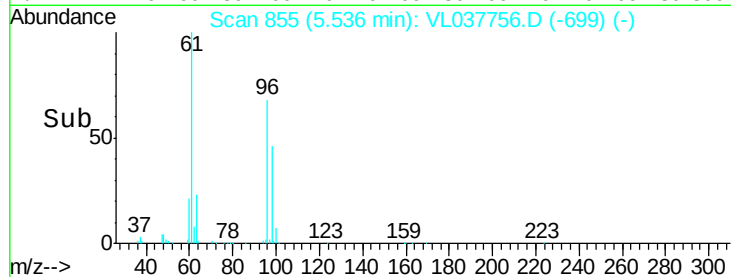
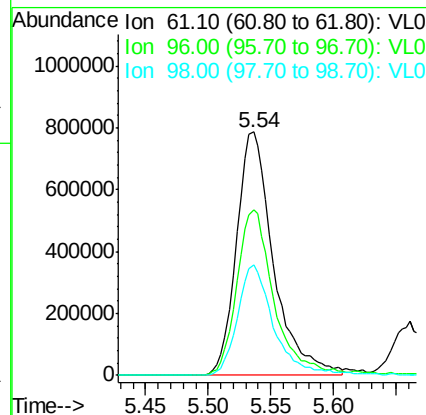
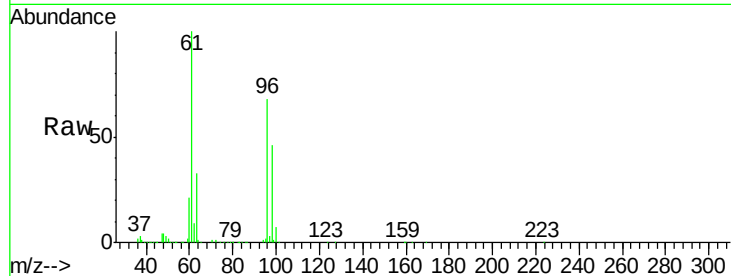
cis-1,2-Dichloroethene
Concen: 10.189 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
61	100		
96	67.7	56.7	85.1
98	45.6	34.6	52.0

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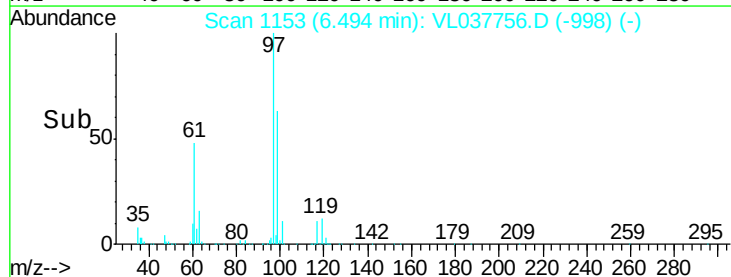
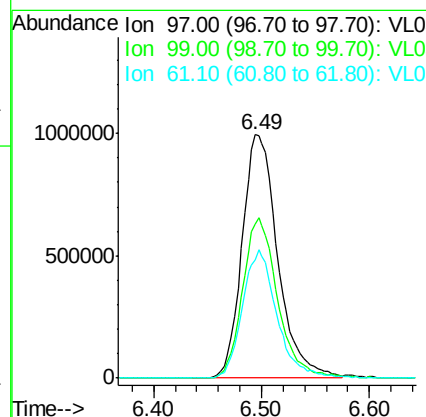
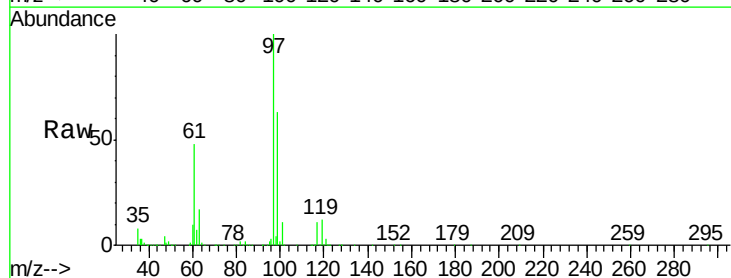
MMDadoda
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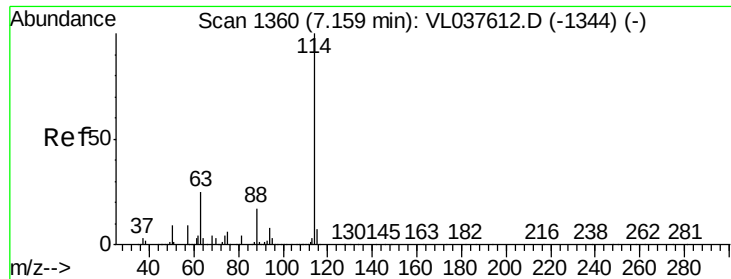


#32

1,1,1-Trichloroethane
Concen: 9.722 ppbv
RT: 6.49 min Scan# 1153
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.9	52.3	78.5
61	51.1	39.5	59.3





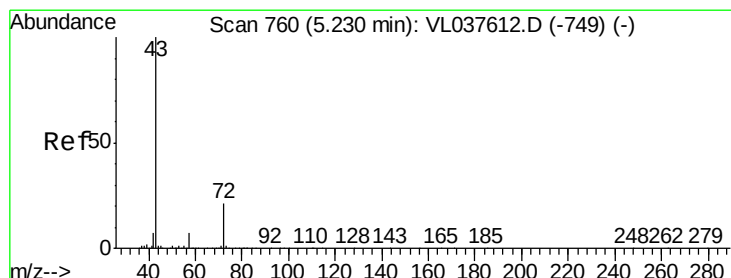
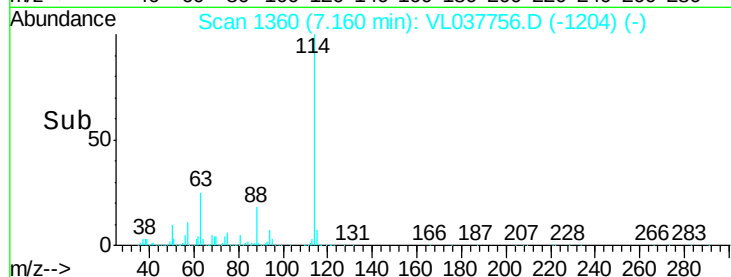
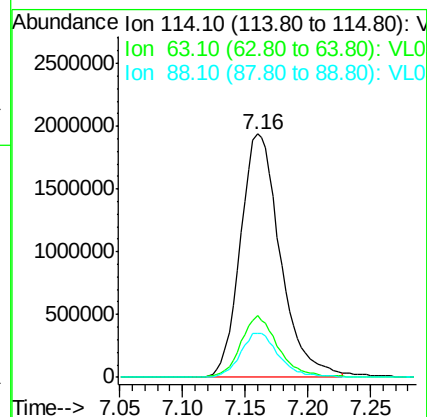
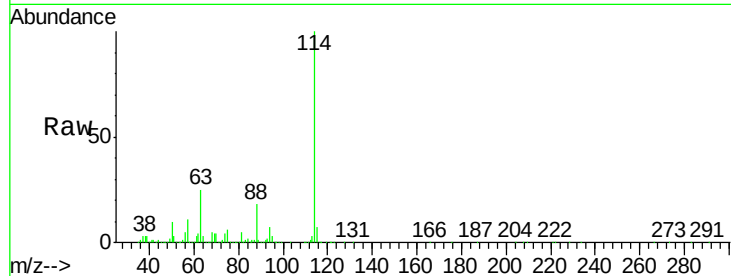
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:114 Resp: 4284443
 Ion Ratio Lower Upper
 114 100
 63 24.2 19.6 29.4
 88 17.8 14.2 21.4

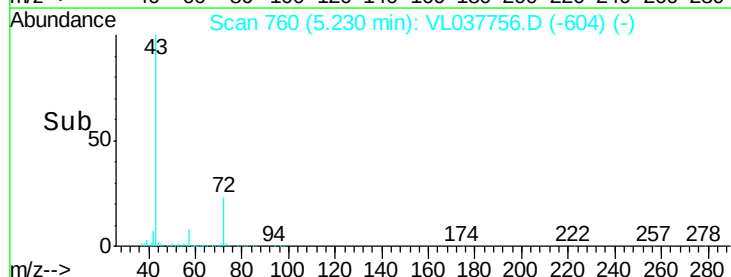
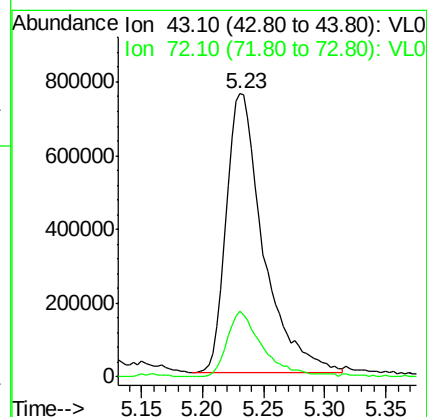
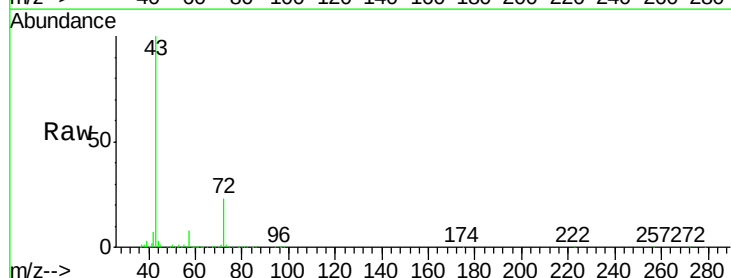
Manual Integrations
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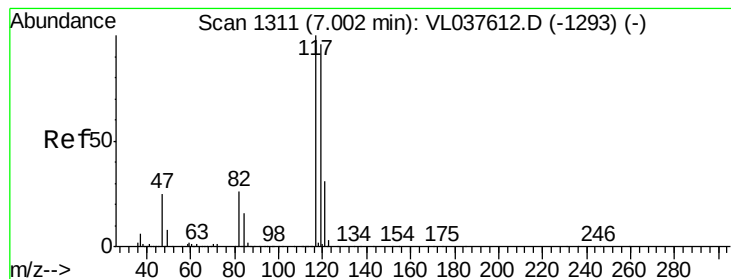
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#34
 2-Butanone
 Concen: 9.348 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion: 43 Resp: 1627625
 Ion Ratio Lower Upper
 43 100
 72 22.5 18.4 27.6





#35

Carbon Tetrachloride

Concen: 9.698 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:117 Resp: 2350420

Ion Ratio Lower Upper

117 100

119 94.5 77.0 115.6

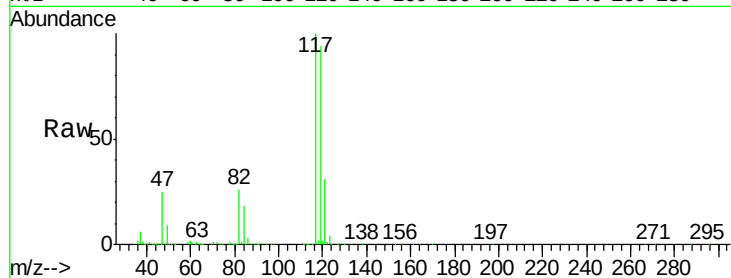
121 31.4 24.5 36.7

Manual Integrations

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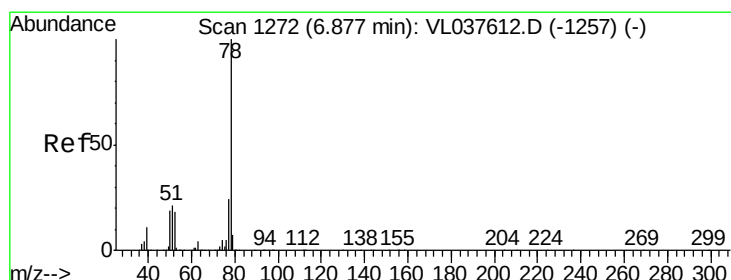
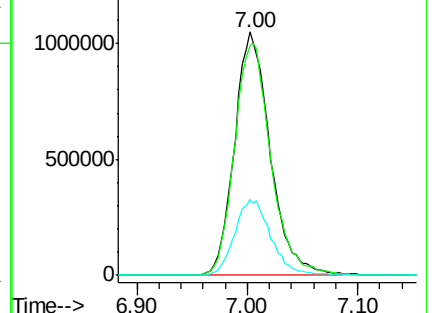
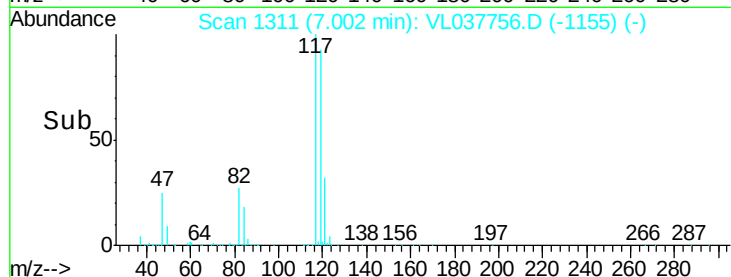
10/4/2021 5:50:21 PM



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: 9.898 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

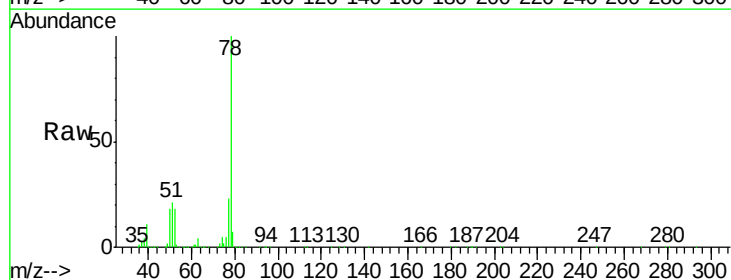
Tgt Ion: 78 Resp: 3536223

Ion Ratio Lower Upper

78 100

77 22.7 19.0 28.4

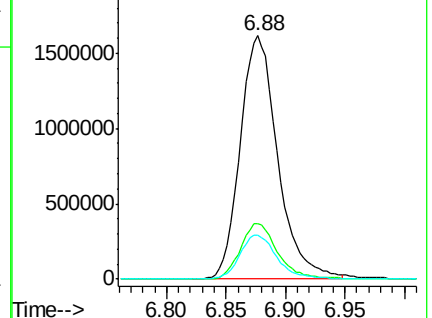
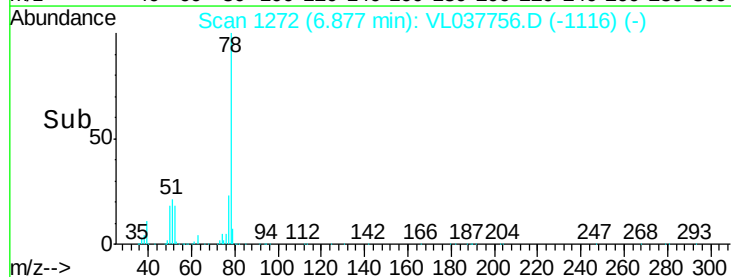
50 17.8 14.8 22.2

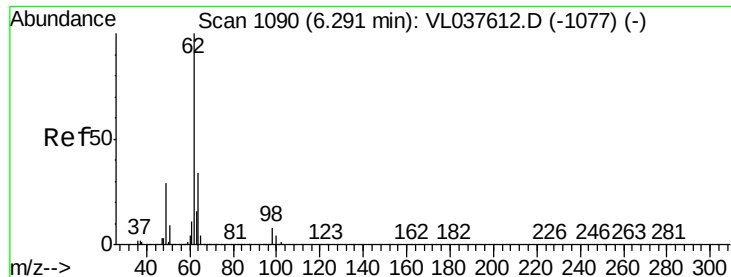


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0





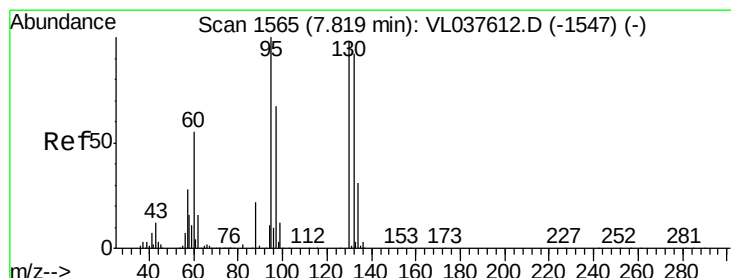
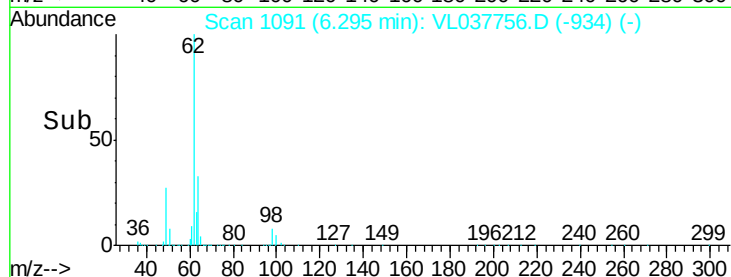
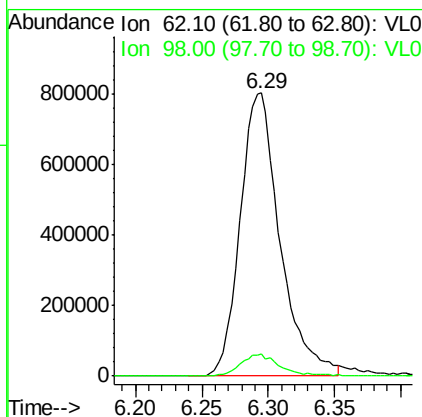
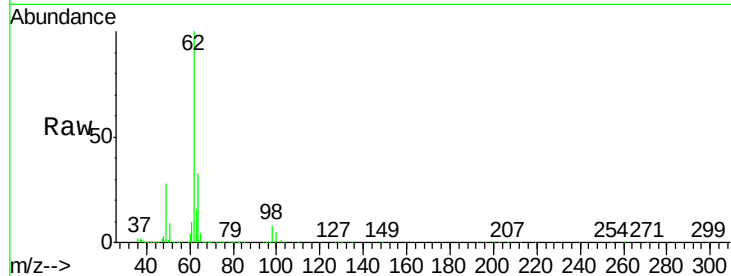
#37
 1,2-Dichloroethane
 Concen: 9.543 ppbv
 RT: 6.29 min Scan# 1091
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 62 Resp: 1676778
 Ion Ratio Lower Upper
 62 100
 98 7.7 6.1 9.1

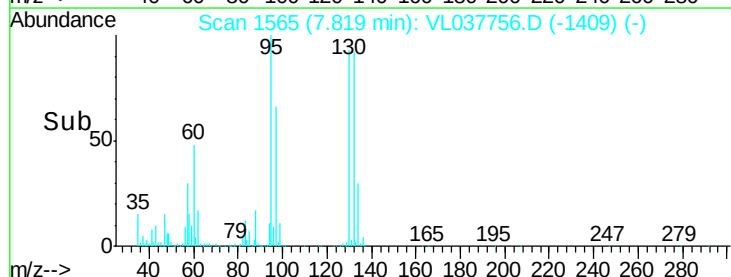
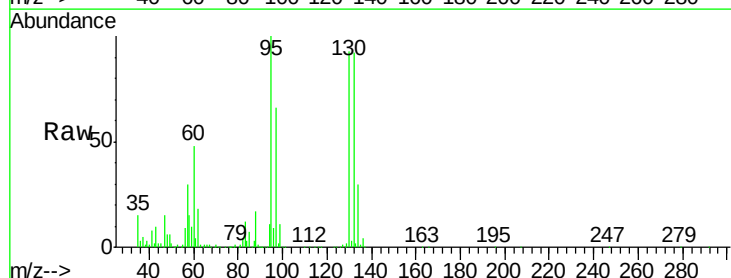
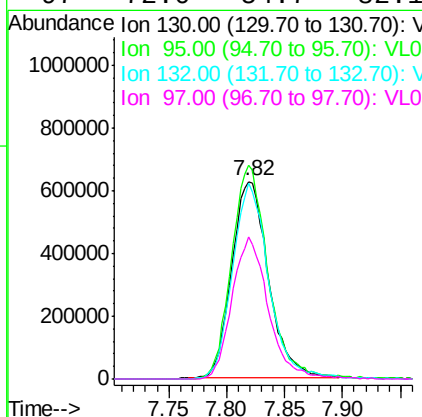
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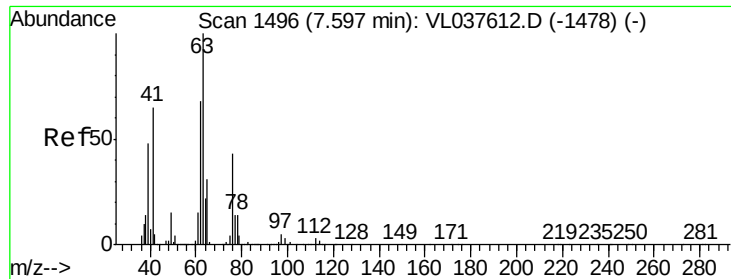
MMDadoda
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#38
 Trichloroethene
 Concen: 9.236 ppbv
 RT: 7.82 min Scan# 1565
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion:130 Resp: 1378375
 Ion Ratio Lower Upper
 130 100
 95 108.4 81.8 122.6
 132 99.5 75.3 112.9
 97 72.0 54.7 82.1





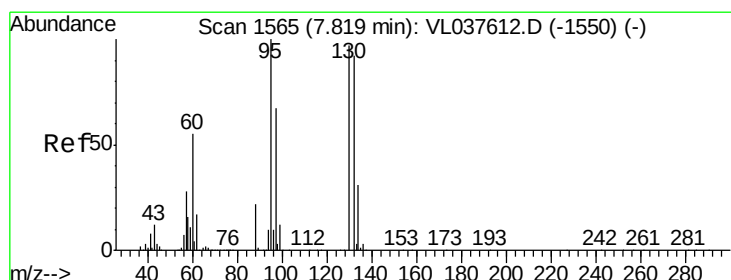
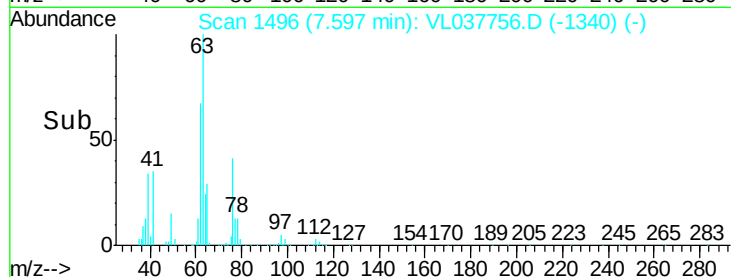
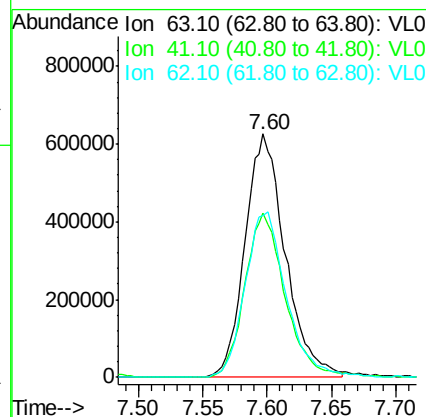
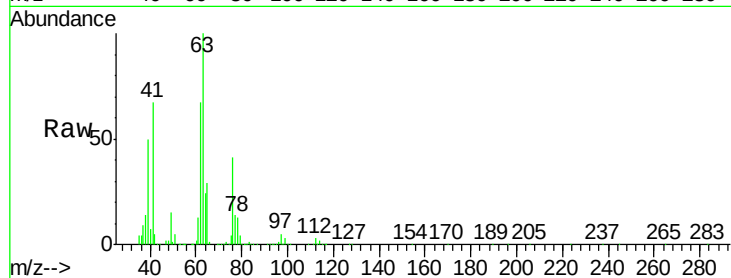
#39
 1,2-Dichloropropane
 Concen: 9.909 ppbv
 RT: 7.60 min Scan# 1496
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
63	100		
41	67.5	51.6	77.4
62	66.7	54.6	81.8

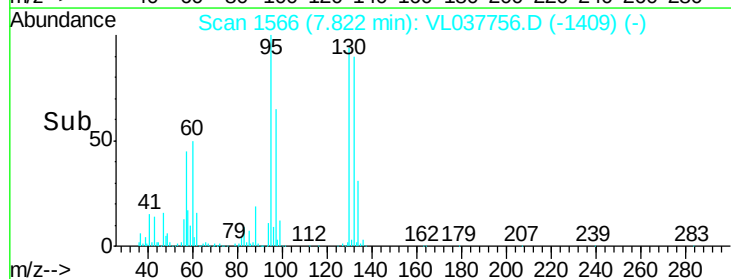
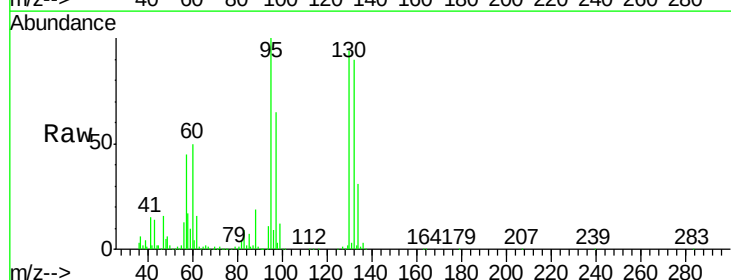
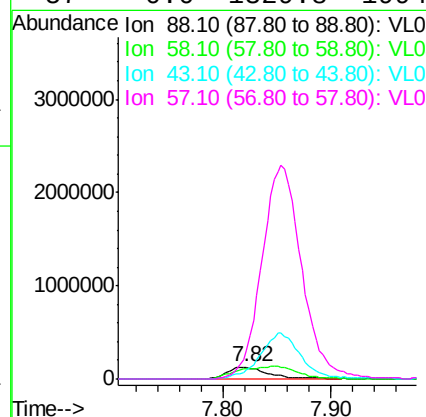
Manual Integrations
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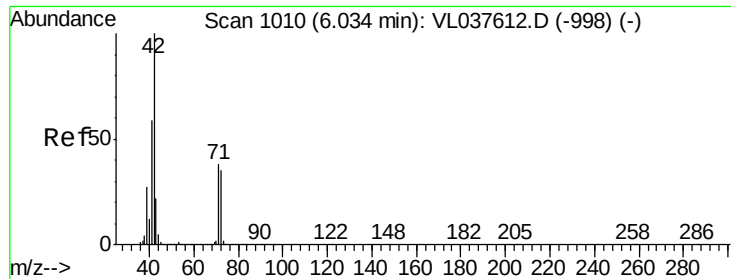
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#40
 1,4-Dioxane
 Concen: 10.212 ppbv m
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt 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: 10.527 ppbv

RT: 6.03 min Scan# 1010

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

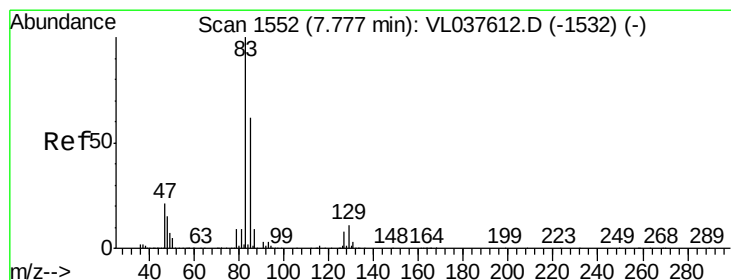
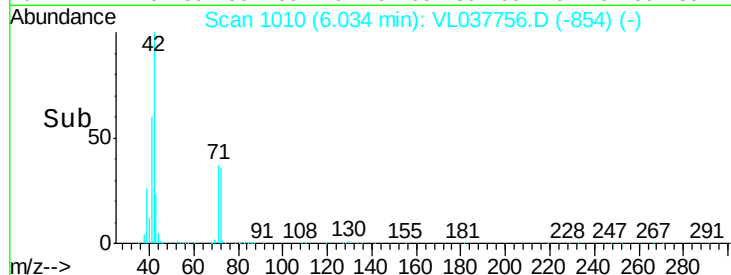
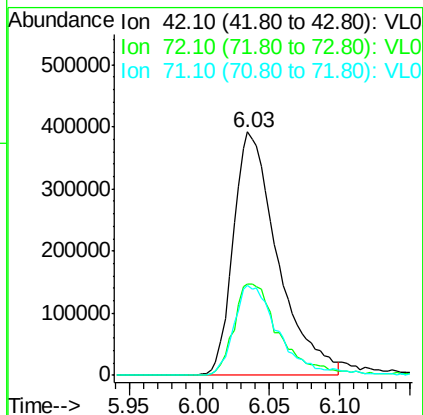
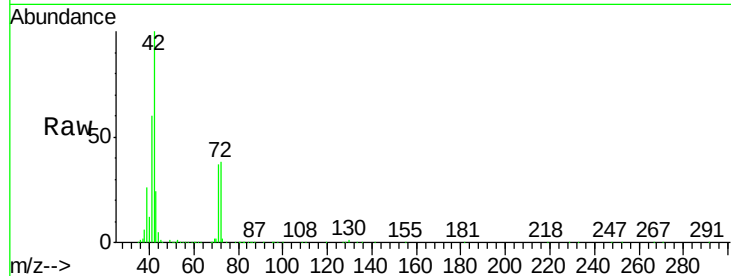
ClientSampleId :

VSTDCCC010EC

Tot Ion:	42	Resp:	861667
Ion	Ratio	Lower	Upper
42	100		
72	39.7	31.4	47.2
71	38.1	30.6	46.0

Manual Integrations
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#42

Bromodichloromethane

Concen: 10.002 ppbv

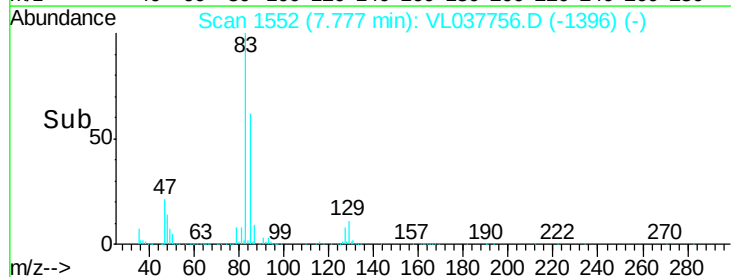
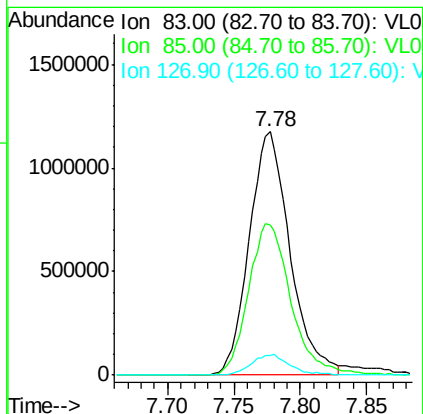
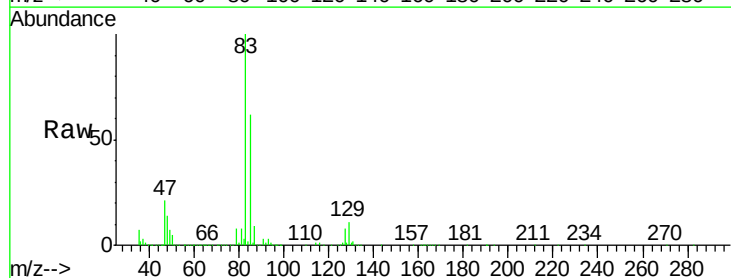
RT: 7.78 min Scan# 1552

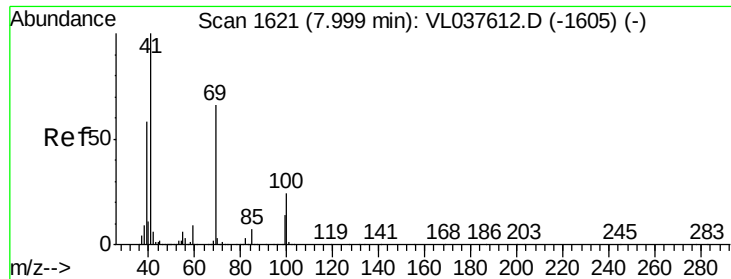
Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Tgt Ion:	83	Resp:	2518802
Ion	Ratio	Lower	Upper
83	100		
85	61.7	49.8	74.6
127	7.9	6.4	9.6





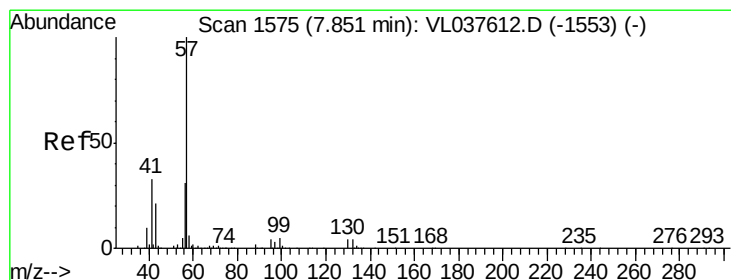
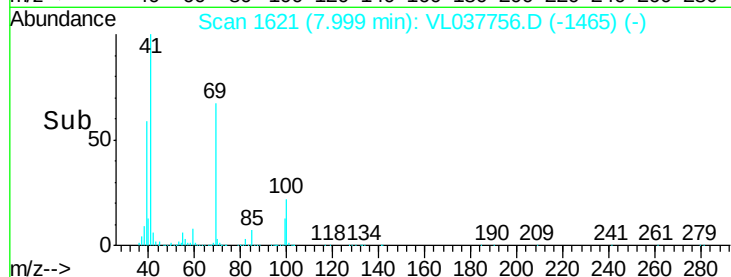
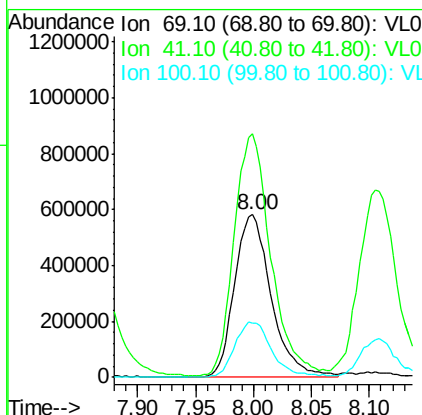
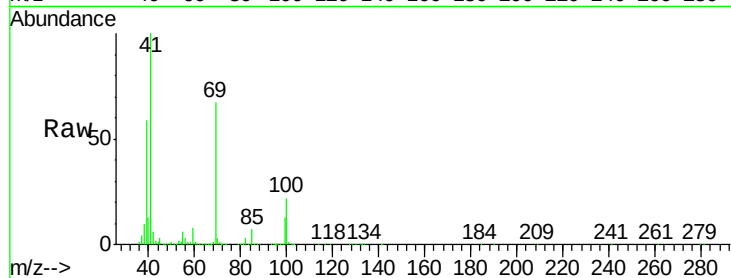
#43
Methyl Methacrylate
Concen: 10.839 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 69 Resp: 1288235
Ion Ratio Lower Upper
69 100
41 148.7 119.0 178.4
100 33.9 27.6 41.4

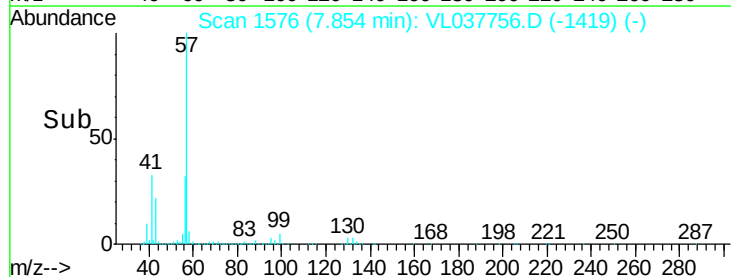
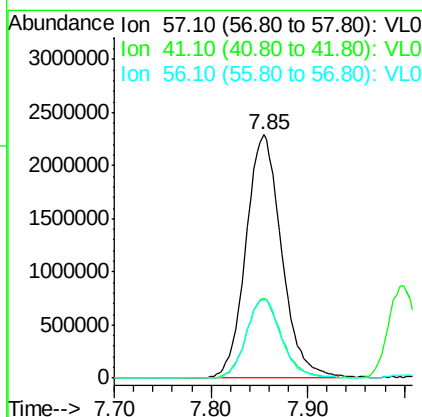
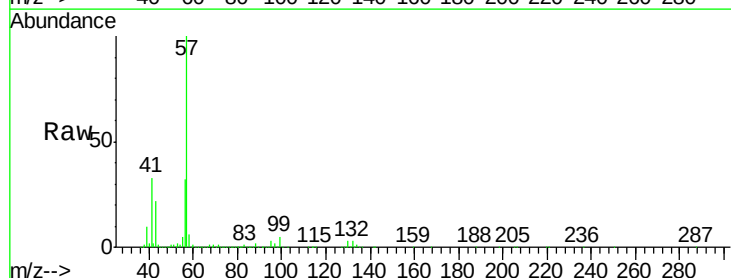
Manual Integrations
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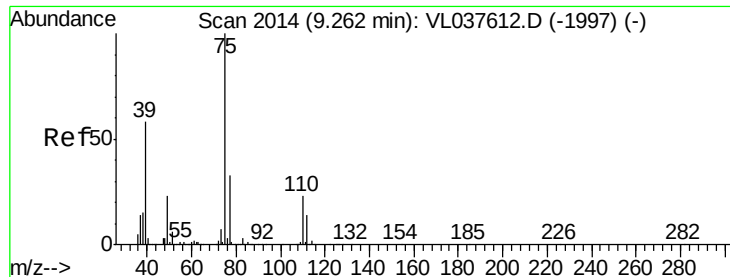
MMDadoda
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#44
2,2,4-Trimethylpentane
Concen: 9.780 ppbv
RT: 7.85 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 57 Resp: 5874040
Ion Ratio Lower Upper
57 100
41 32.5 26.1 39.1
56 32.1 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 10.307 ppbv

RT: 9.26 min Scan# 2013

Delta R.T. -0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 75 Resp: 962210

Ion Ratio Lower Upper

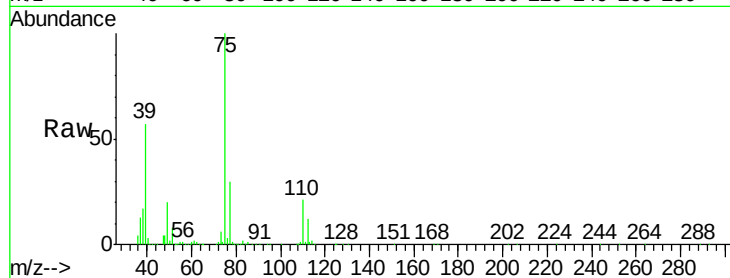
75 100

77 30.0 26.3 39.5

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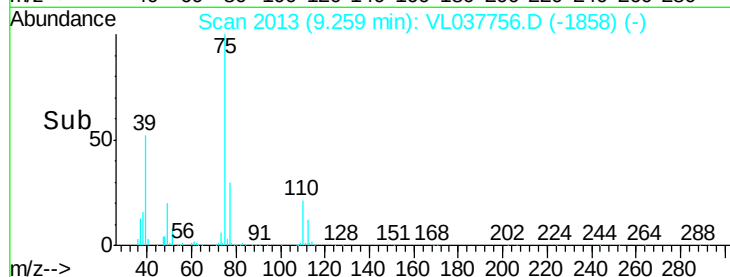
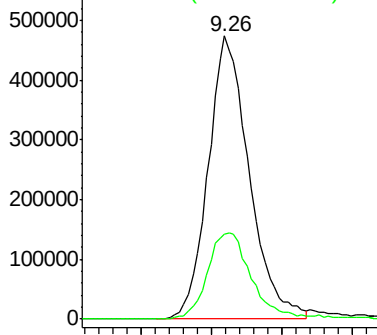
MMDadoda

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Abundance Ion 75.10 (74.80 to 75.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#46

cis-1,3-Dichloropropene

Concen: 10.327 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

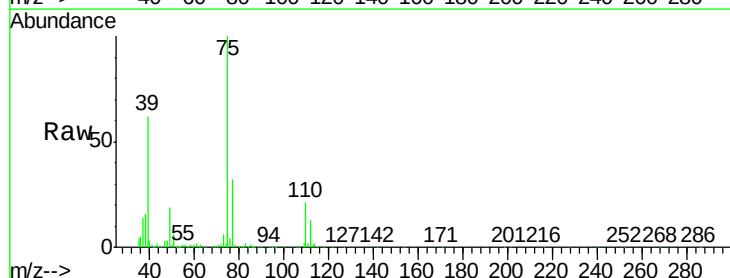
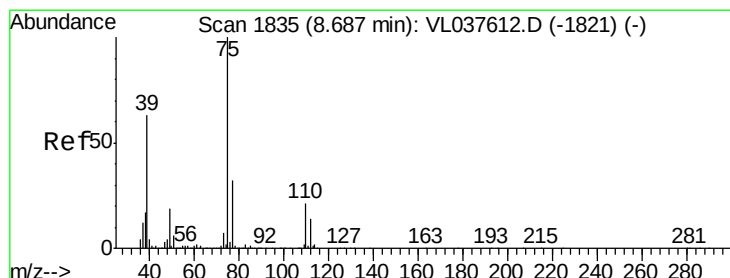
Tgt Ion: 75 Resp: 1302375

Ion Ratio Lower Upper

75 100

39 61.4 50.2 75.4

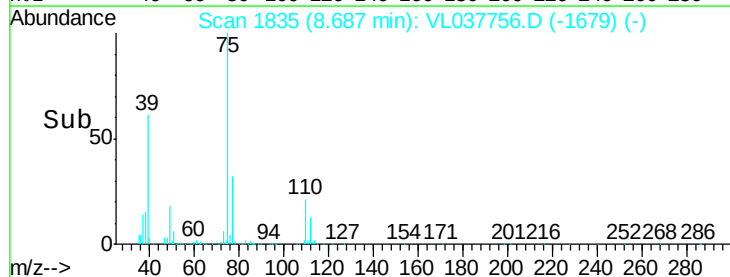
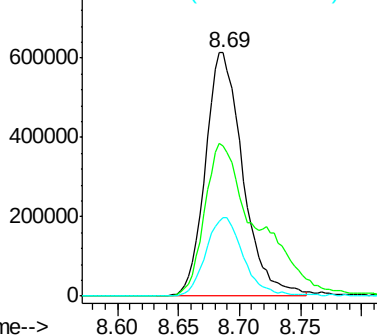
77 32.4 25.2 37.8

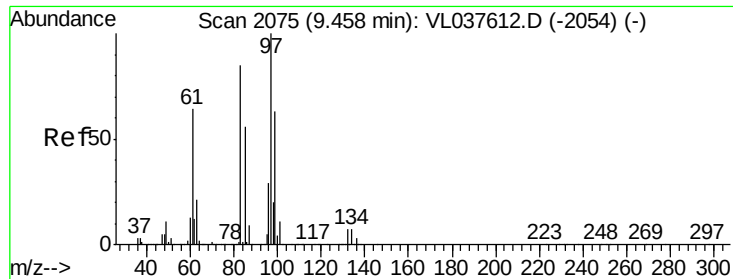


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





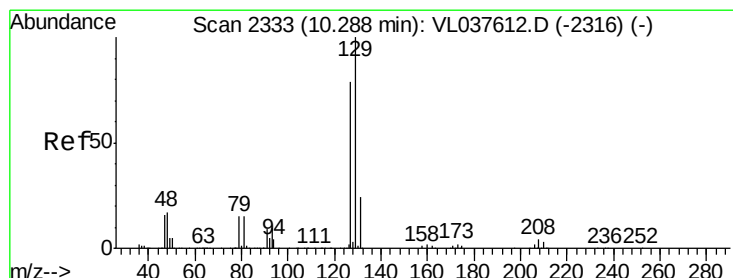
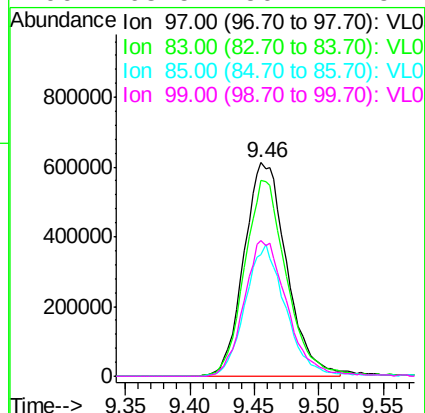
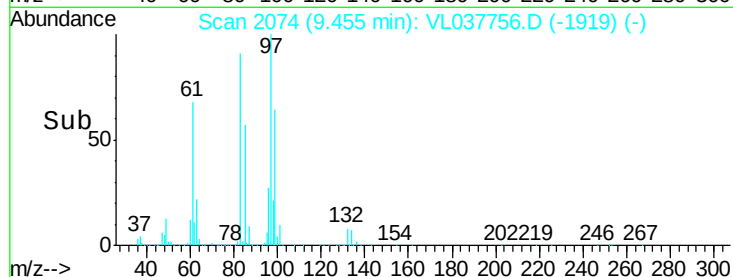
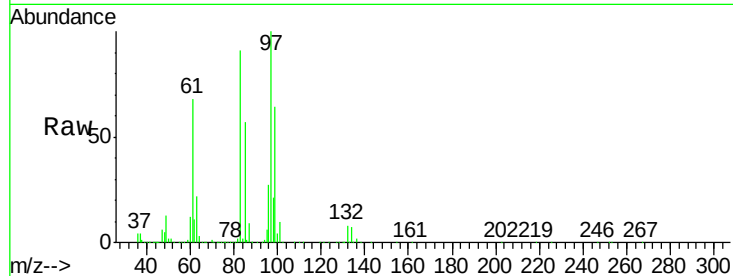
#47
 1,1,2-Trichloroethane
 Concen: 9.322 ppbv
 RT: 9.46 min Scan# 2074
 Delta R.T. -0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	97	Resp	1411131
Ion	Ratio	Lower	Upper
97	100		
83	91.4	67.9	101.9
85	57.1	44.8	67.2
99	63.5	50.1	75.1

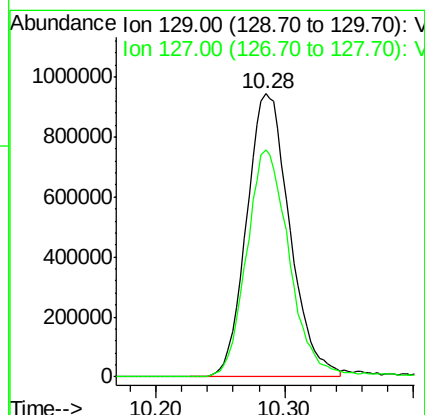
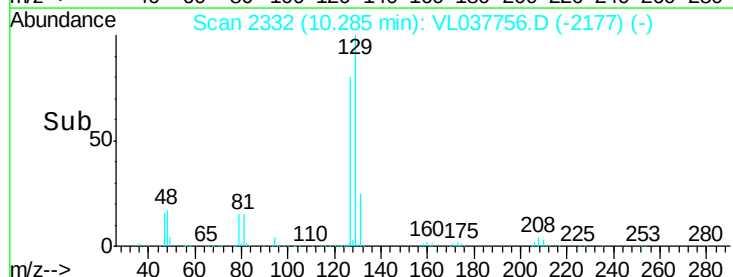
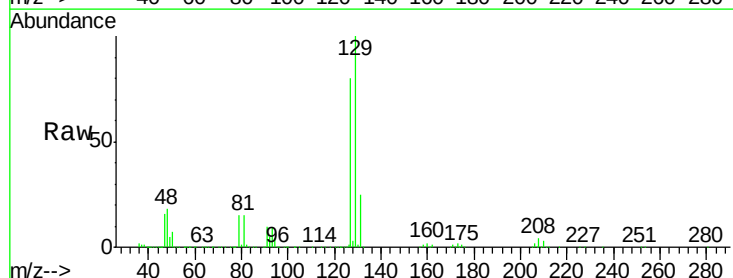
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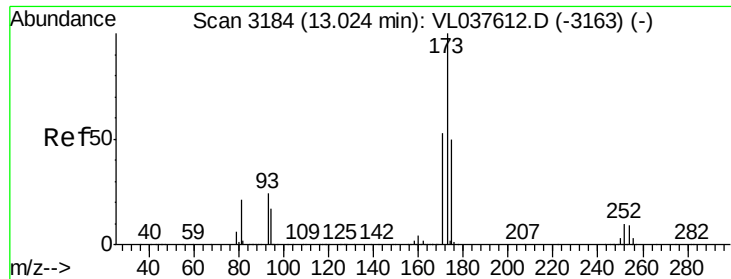
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#48
 Dibromochloromethane
 Concen: 10.395 ppbv
 RT: 10.28 min Scan# 2332
 Delta R.T. -0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion	129	Resp	2195222
Ion	Ratio	Lower	Upper
129	100		
127	80.8	39.3	117.8





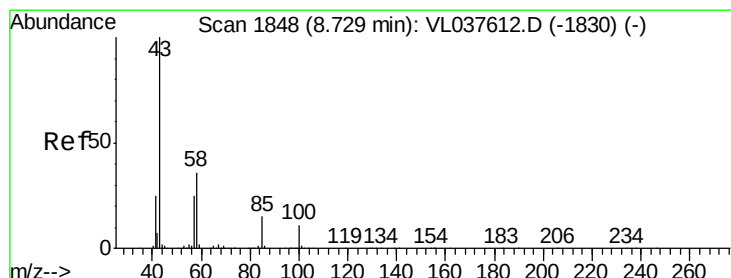
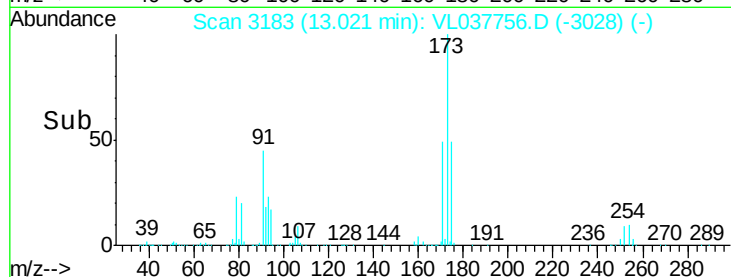
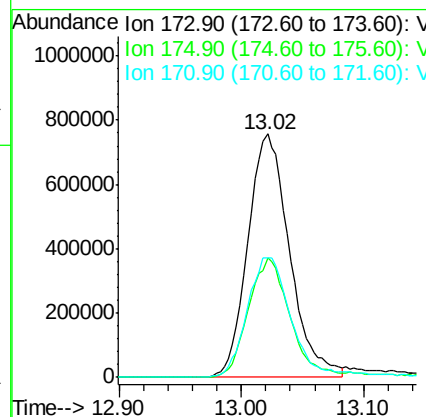
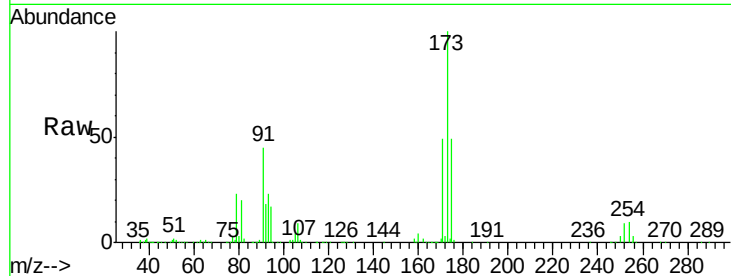
#49
Bromoform
Concen: 10.577 ppbv
RT: 13.02 min Scan# 3183
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:173 Resp: 1787630
Ion Ratio Lower Upper
173 100
175 50.3 39.8 59.8
171 53.1 42.2 63.4

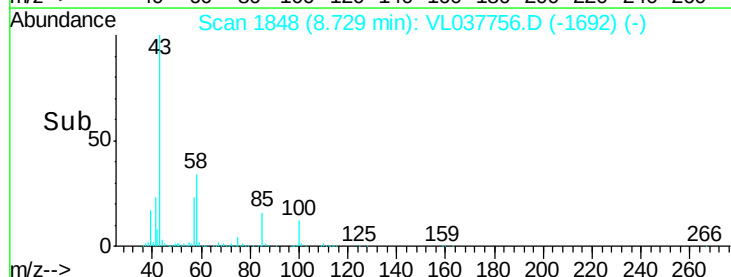
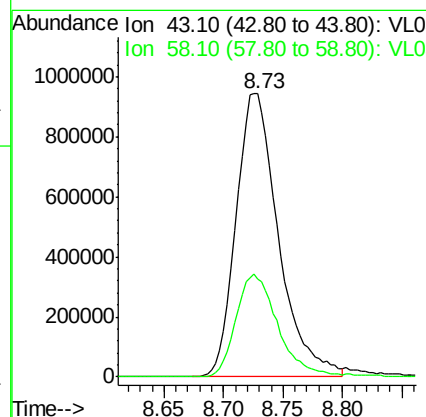
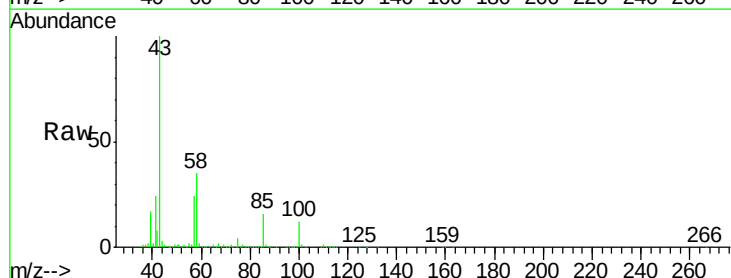
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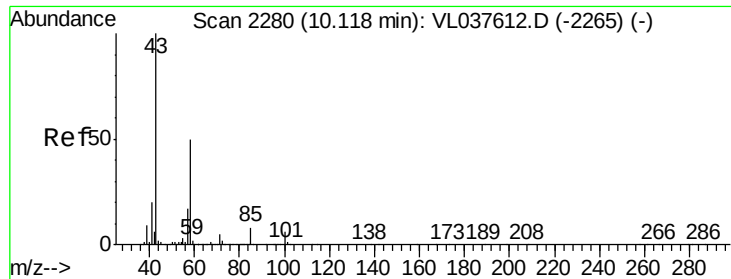
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#50
4-Methyl-2-Pentanone
Concen: 10.559 ppbv
RT: 8.73 min Scan# 1848
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 43 Resp: 2333383
Ion Ratio Lower Upper
43 100
58 36.5 29.4 44.2





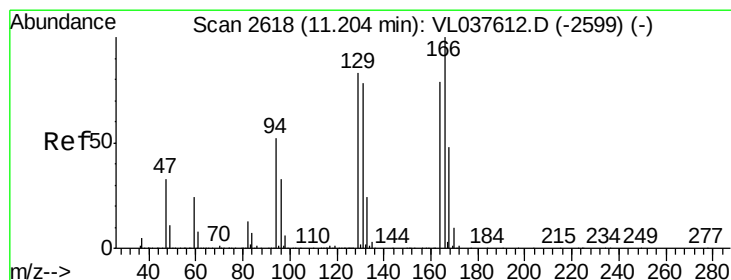
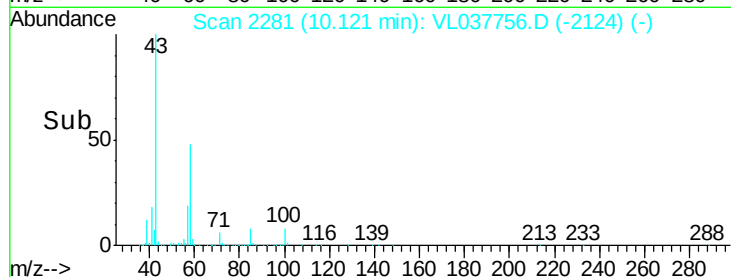
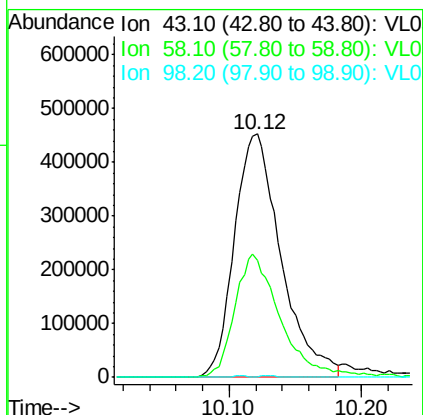
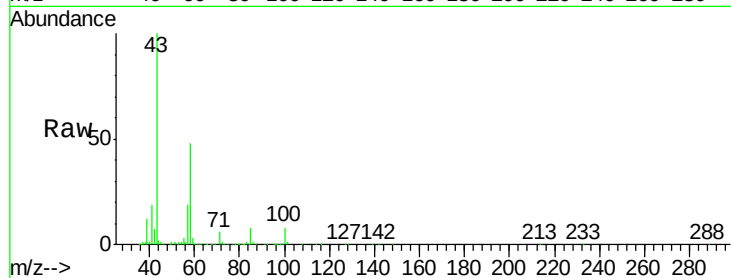
#51
2-Hexanone
Concen: 11.376 ppbv
RT: 10.12 min Scan# 2281
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 43 Resp: 1109162
Ion Ratio Lower Upper
43 100
58 49.7 39.3 58.9
98 0.7 0.4 0.6#

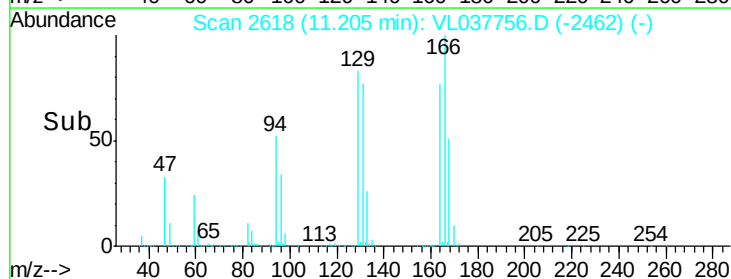
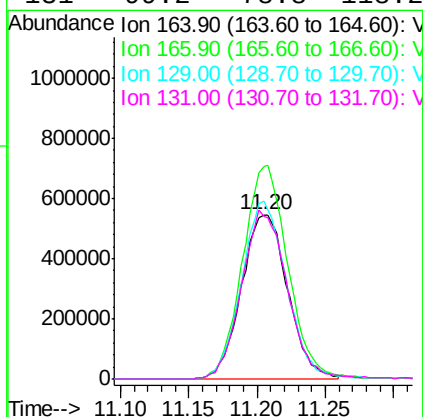
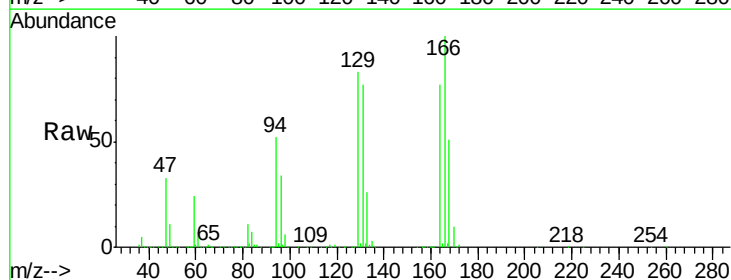
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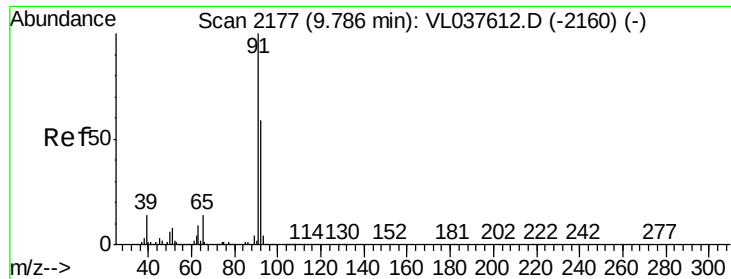
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#52
Tetrachloroethene
Concen: 9.375 ppbv
RT: 11.20 min Scan# 2618
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 164 Resp: 1285800
Ion Ratio Lower Upper
164 100
166 129.3 101.2 151.8
129 107.7 84.0 126.0
131 99.2 78.8 118.2





#53

Toluene

Concen: 10.233 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 91 Resp: 4063834

Ion Ratio Lower Upper

91 100

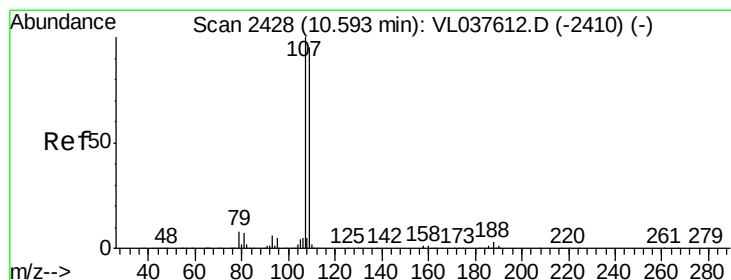
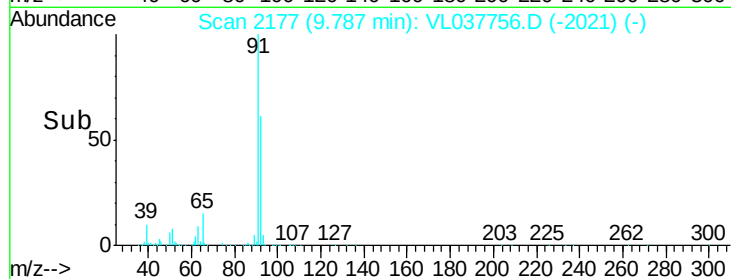
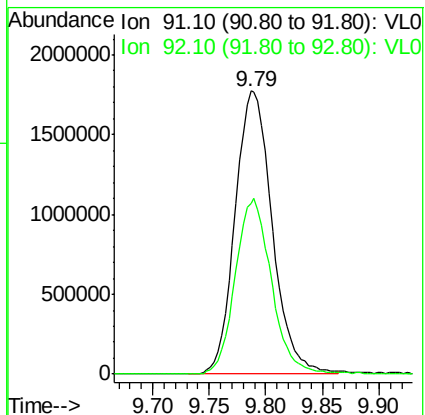
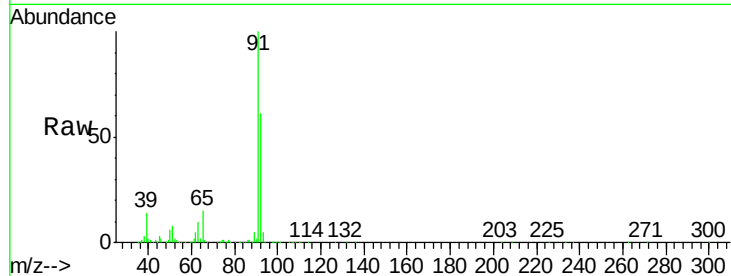
92 60.6 48.9 73.3

Manual Integrations

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#54

1,2-Dibromoethane

Concen: 9.571 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. 0.00 min

Lab File: VL037756.D

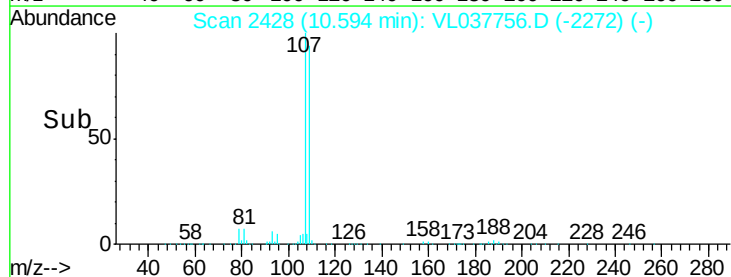
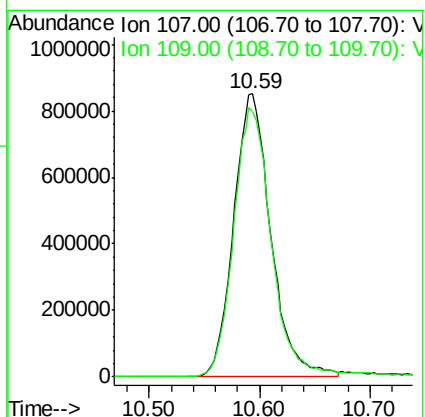
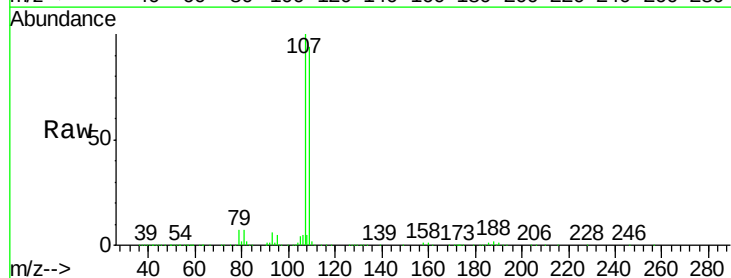
Acq: 2 Oct 2021 00:24

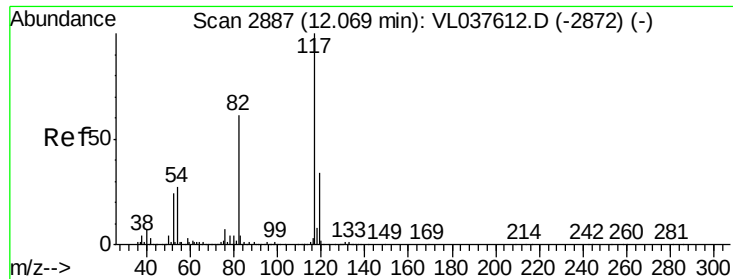
Tgt Ion: 107 Resp: 1983790

Ion Ratio Lower Upper

107 100

109 93.5 76.0 114.0





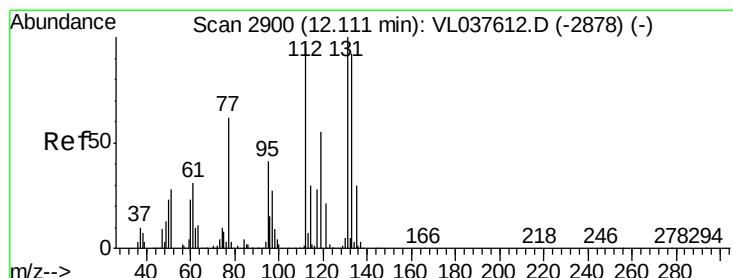
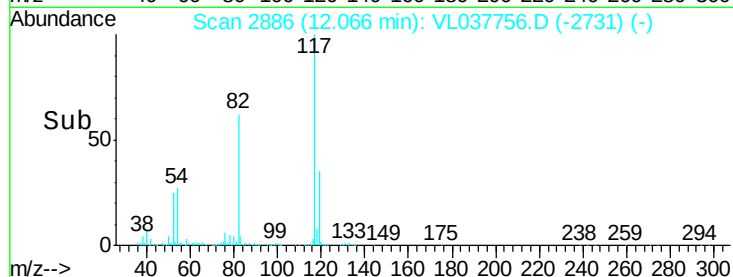
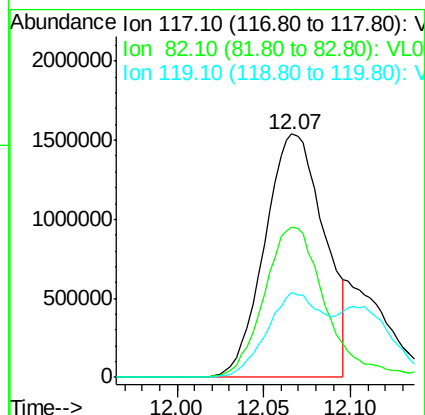
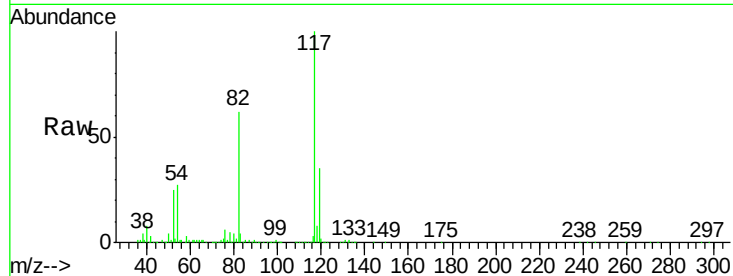
#55
Chlorobenzene-d5
Concen: 10.000 ppbv m
RT: 12.07 min Scan# 2886
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:117 Resp: 3673776
Ion Ratio Lower Upper
117 100
82 65.4 50.6 75.8
119 61.8 26.2 39.2#

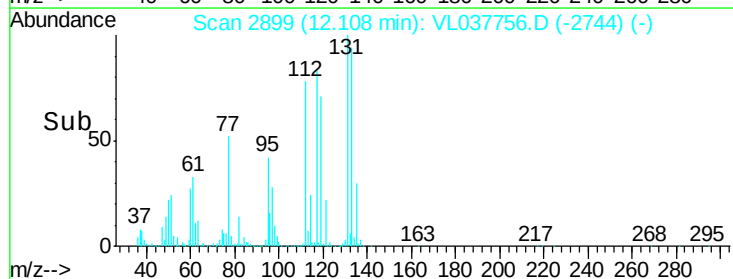
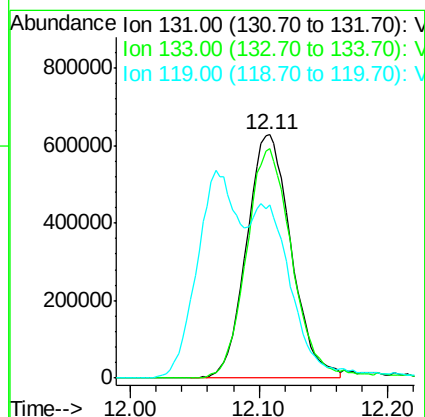
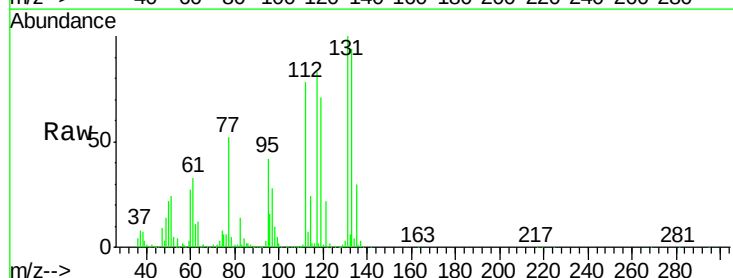
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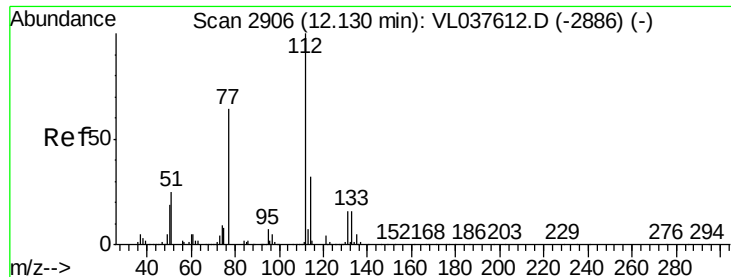
MMDadoda
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#56
1,1,1,2-Tetrachloroethane
Concen: 9.911 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion:131 Resp: 1510235
Ion Ratio Lower Upper
131 100
133 97.8 76.8 115.2
119 150.4 47.8 71.8#





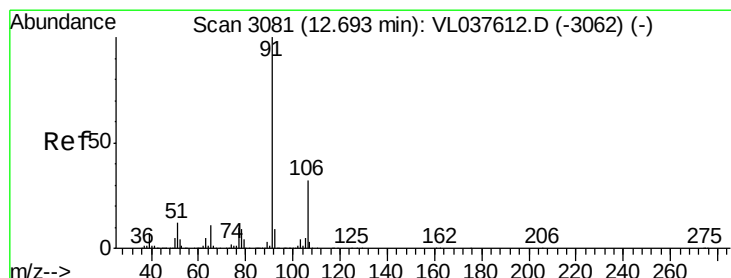
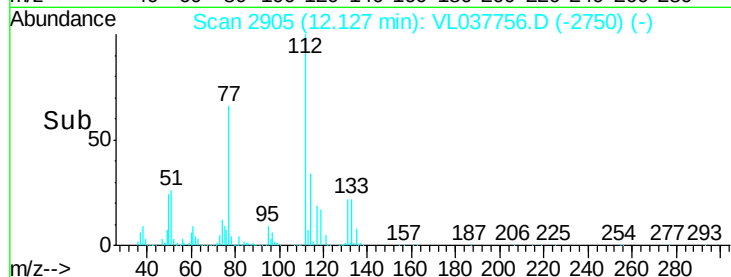
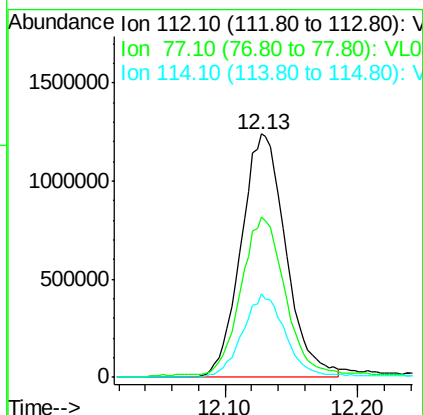
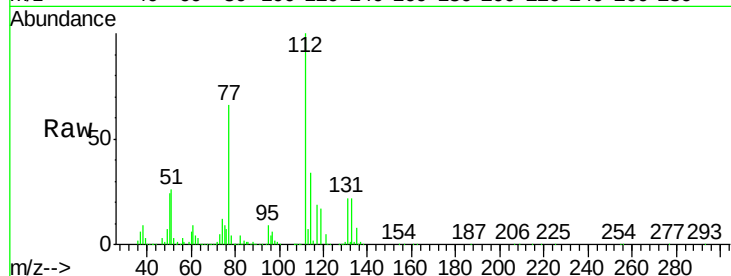
#57
Chlorobenzene
Concen: 9.528 ppbv
RT: 12.13 min Scan# 2905
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:112 Resp: 2910104
Ion Ratio Lower Upper
112 100
77 64.7 52.1 78.1
114 34.1 29.2 35.6

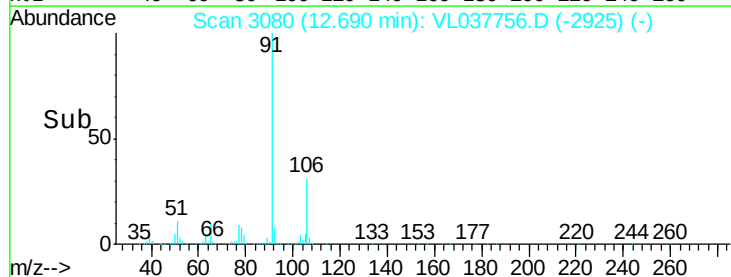
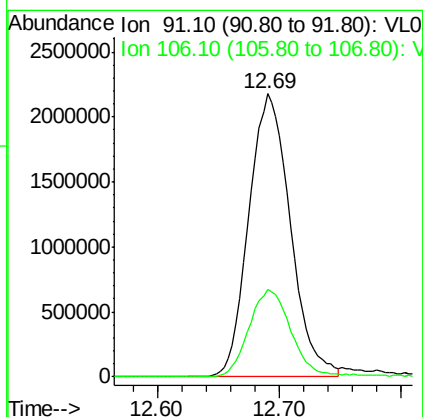
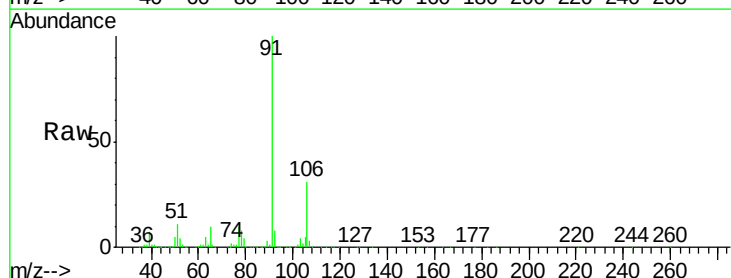
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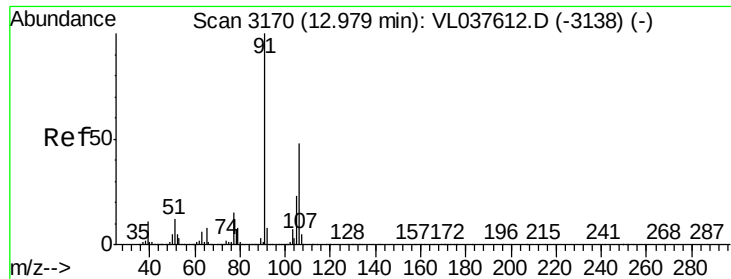
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#58
Ethyl Benzene
Concen: 10.514 ppbv
RT: 12.69 min Scan# 3080
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 91 Resp: 5127233
Ion Ratio Lower Upper
91 100
106 30.9 25.3 37.9





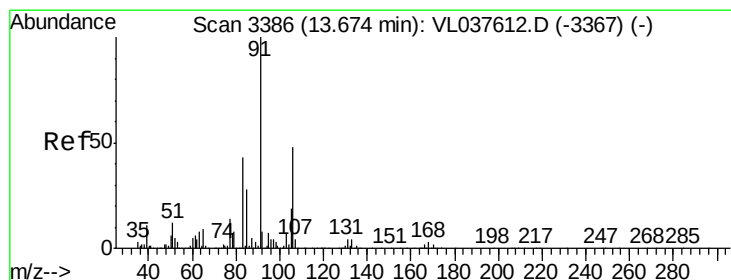
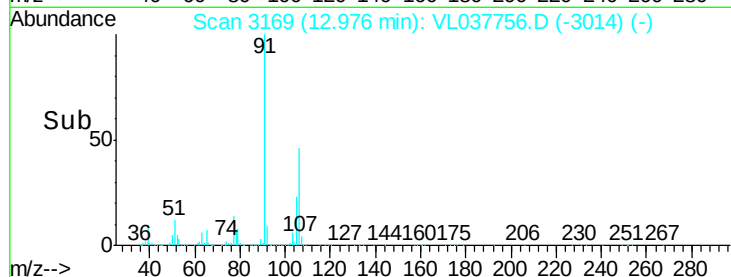
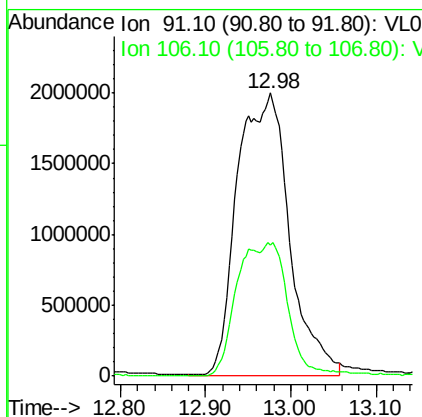
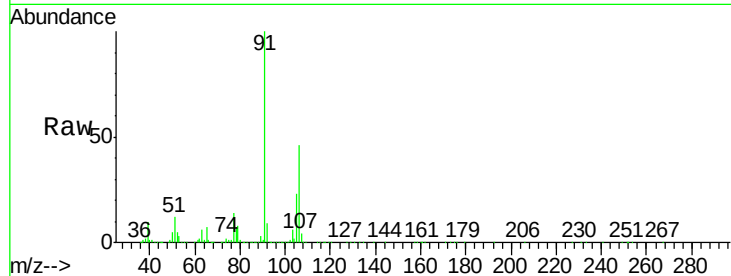
#59
m/p-Xylene
Concen: 20.034 ppbv m
RT: 12.98 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion: 91 Resp: 8513899
Ion Ratio Lower Upper
91 100
106 46.6 36.6 55.0

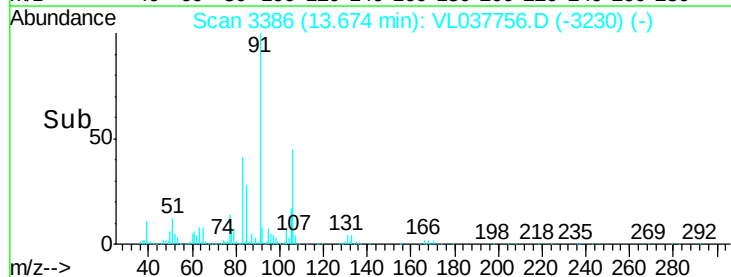
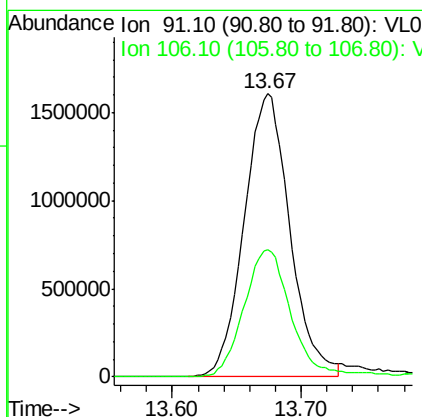
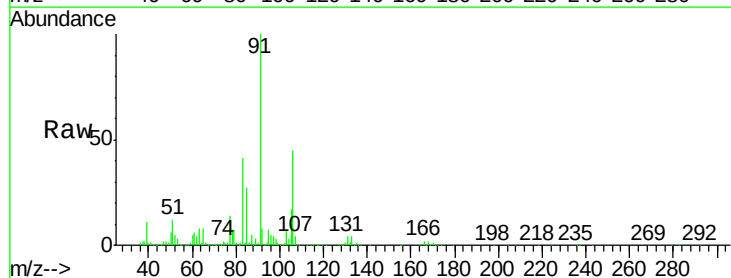
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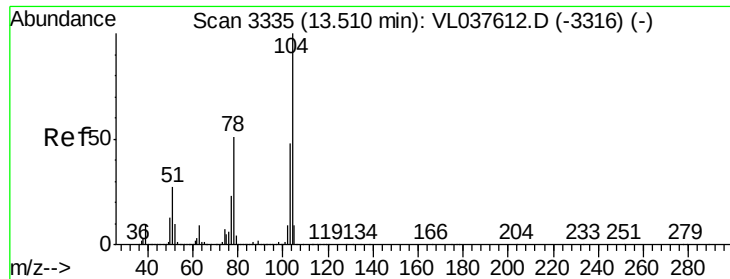
MMDadoda
10/4/2021 5:50:21 PM



#60
o-Xylene
Concen: 9.777 ppbv
RT: 13.67 min Scan# 3386
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion: 91 Resp: 3954771
Ion Ratio Lower Upper
91 100
106 48.2 23.0 69.0





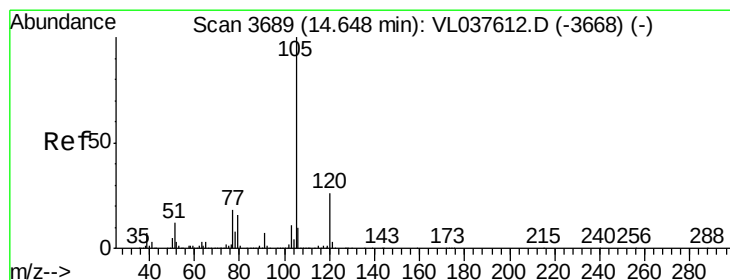
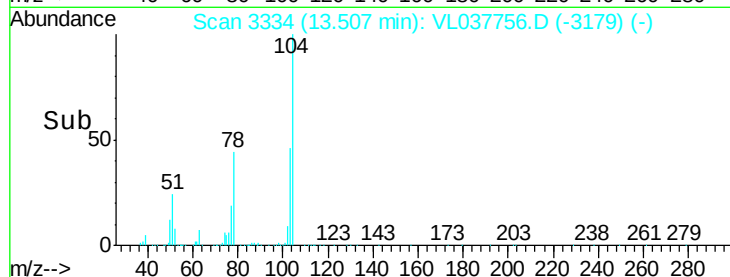
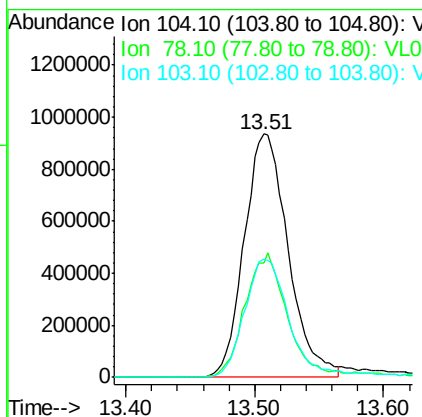
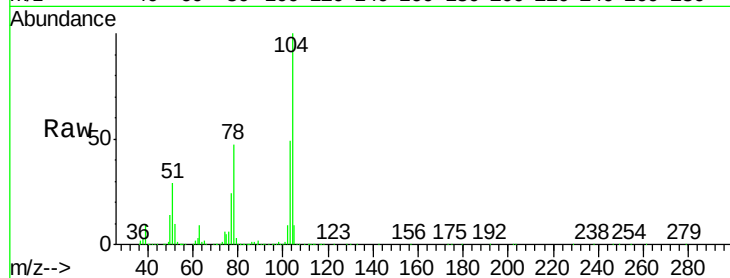
#61
Stvrene
Concen: 11.123 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion:104 Resp: 2218653
Ion Ratio Lower Upper
104 100
78 50.7 39.7 59.5
103 50.1 38.8 58.2

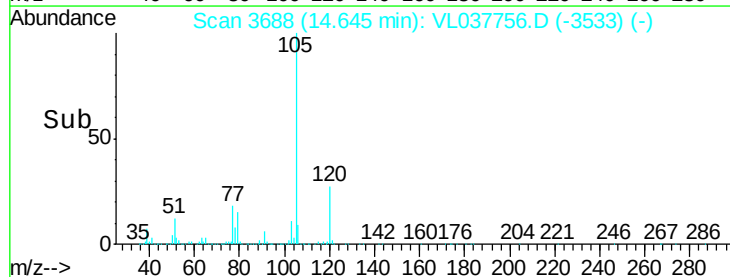
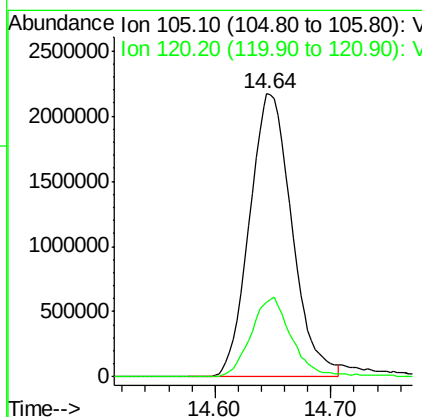
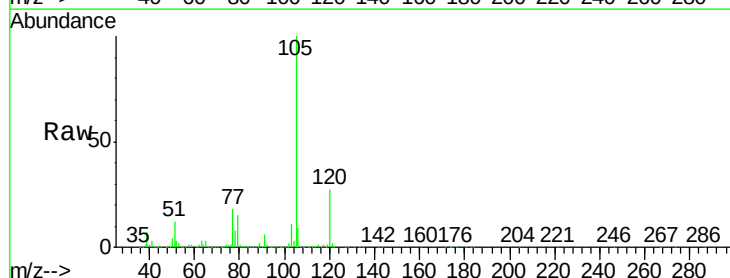
Manual Integrations
APPROVED

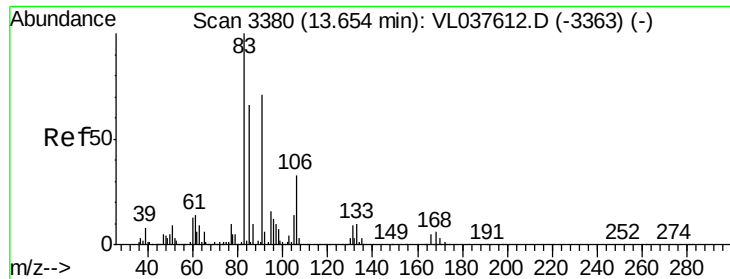
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#62
Isopropylbenzene
Concen: 9.763 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion:105 Resp: 5517102
Ion Ratio Lower Upper
105 100
120 27.5 21.4 32.0





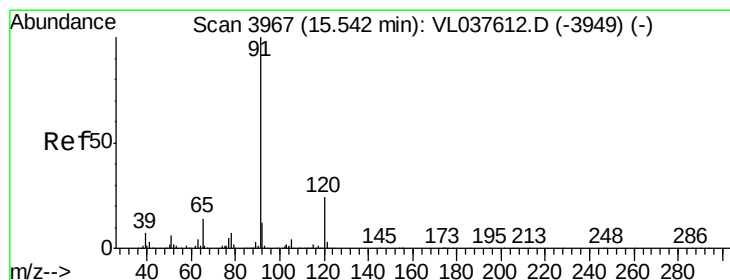
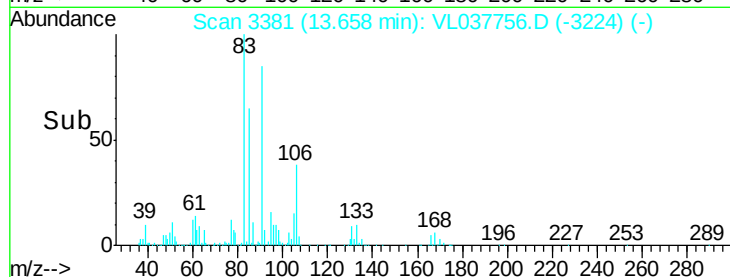
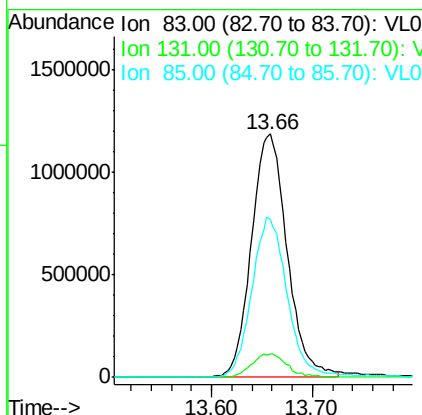
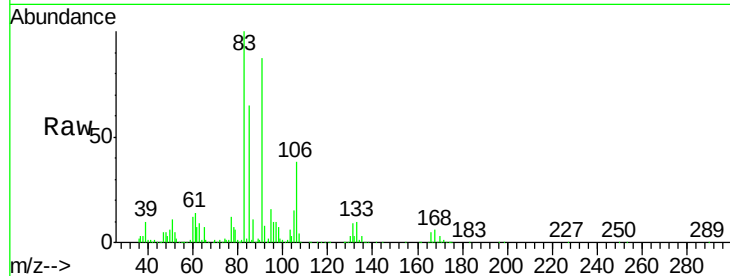
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.196 ppbv
 RT: 13.66 min Scan# 3381
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	83	Resp	2911028
Ion Ratio	Lower	Upper	
83	100		
131	9.9	5.1	15.3
85	66.4	33.3	99.9

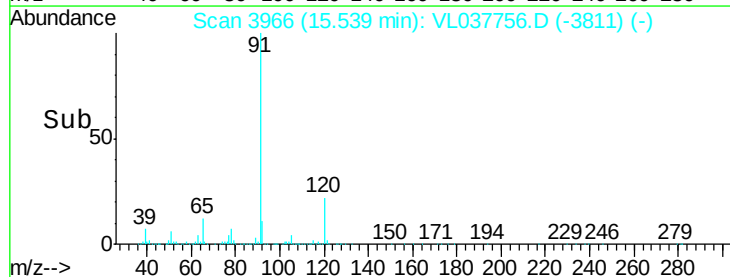
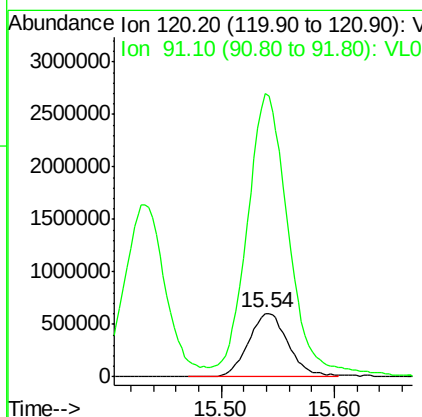
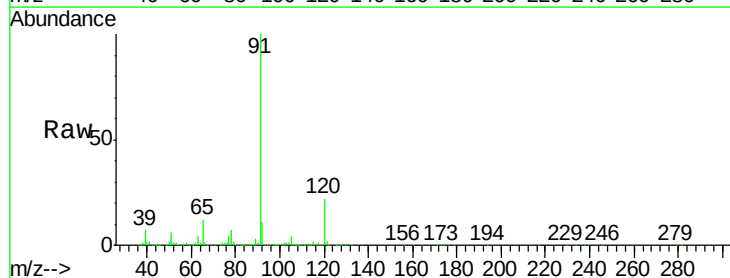
Manual Integrations
 APPROVED

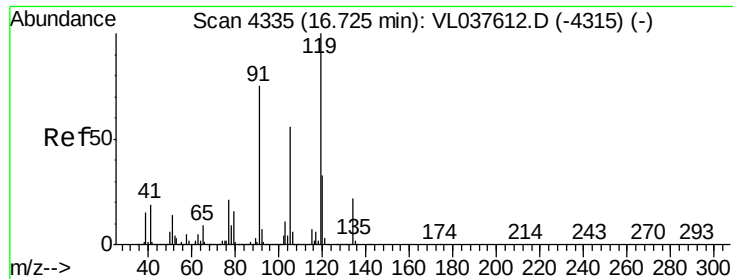
MMDadoda
 10/4/2021 5:50:21 PM



#64
 n-propylbenzene
 Concen: 10.169 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion	120	Resp	1482810
Ion Ratio	Lower	Upper	
120	100		
91	467.2	345.0	517.4





#65

tert-Butylbenzene

Concen: 9.673 ppbv

RT: 16.73 min Scan# 4335

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion:119 Resp: 4928476

Ion Ratio Lower Upper

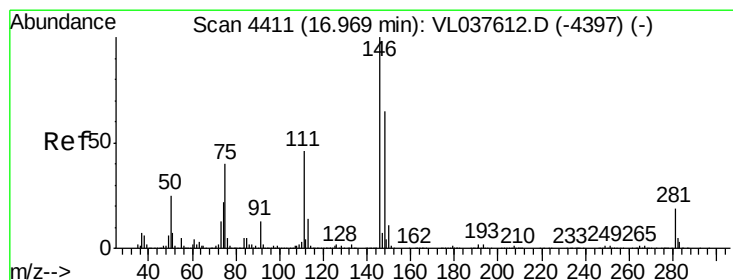
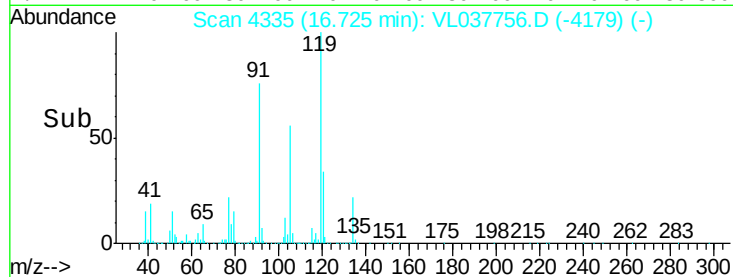
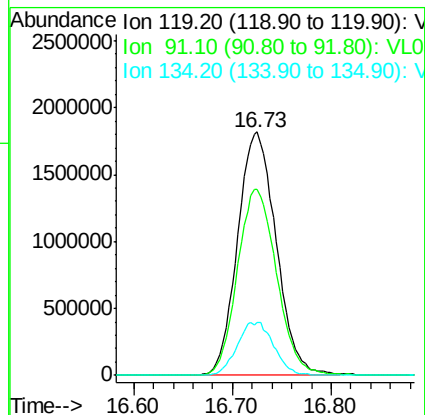
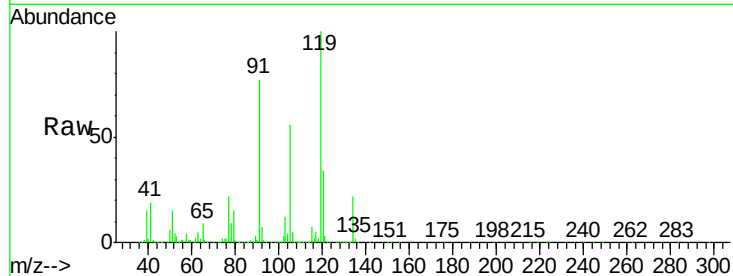
119 100

91 77.9 61.9 92.9

134 21.0 16.5 24.7

Manual Integrations
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10/4/2021 5:50:21 PM



#66

Benzyl Chloride

Concen: 9.734 ppbv

RT: 16.97 min Scan# 4411

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

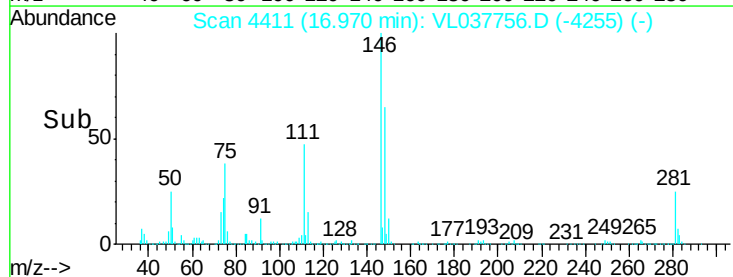
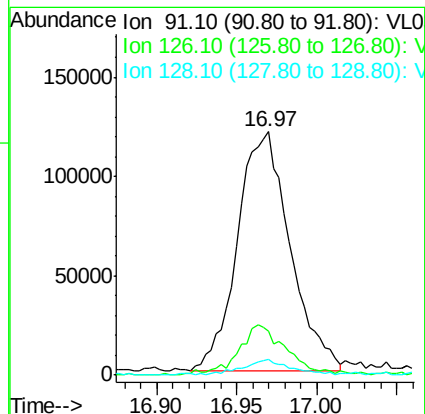
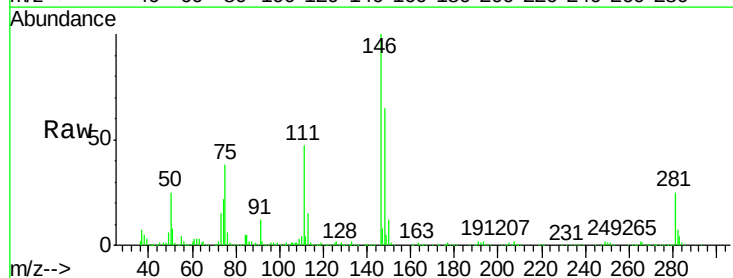
Tgt Ion: 91 Resp: 271026

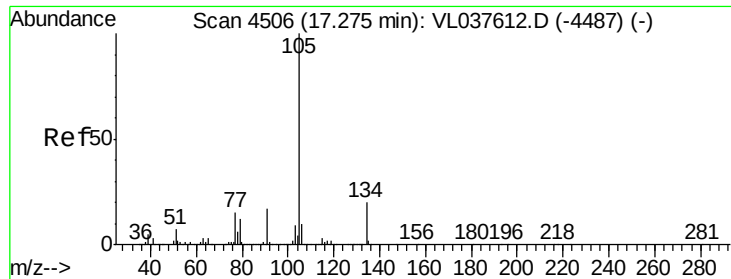
Ion Ratio Lower Upper

91 100

126 19.4 14.4 21.6

128 6.2 5.7 8.5





#67

sec-Butylbenzene

Concen: 9.892 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tot Ion: 105 Resp: 6838012

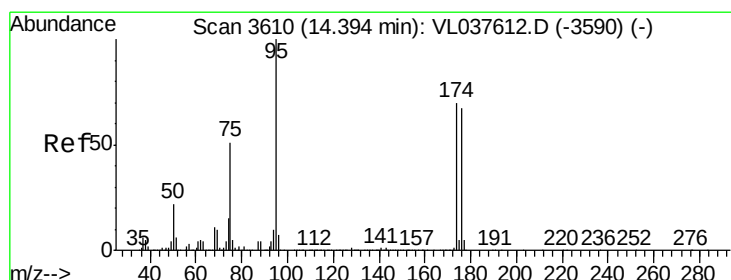
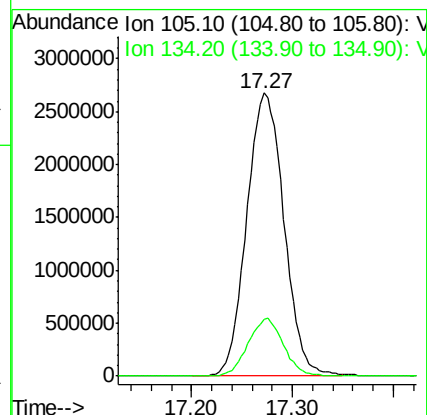
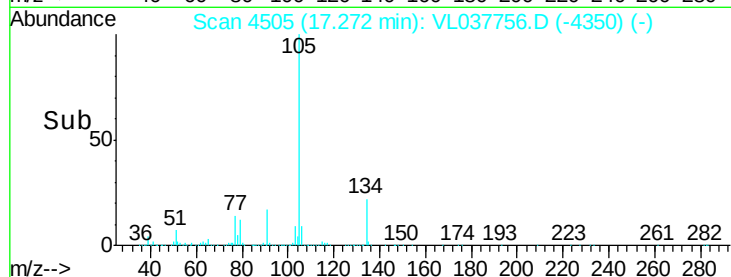
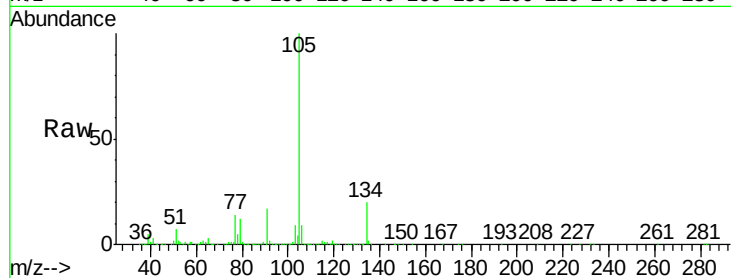
Ion Ratio Lower Upper

105 100

134 19.4 15.7 23.5

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.232 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

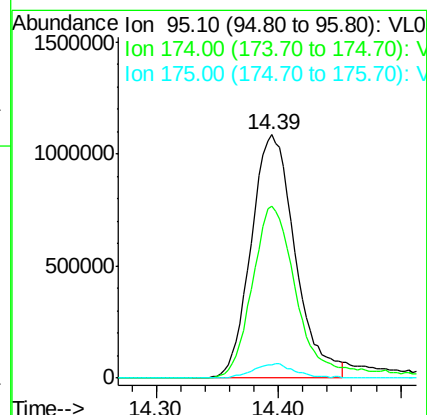
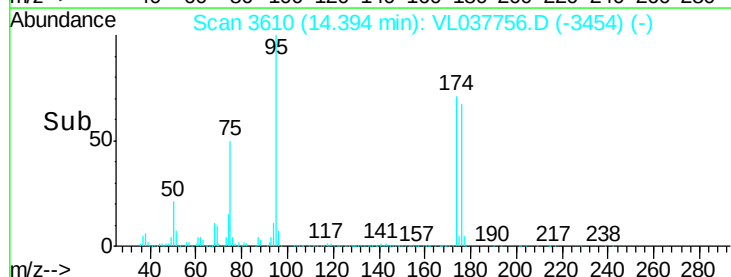
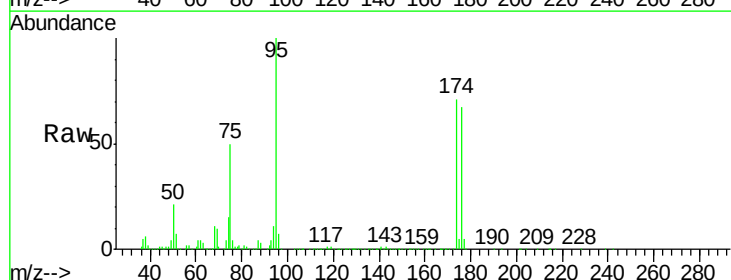
Tgt Ion: 95 Resp: 2716553

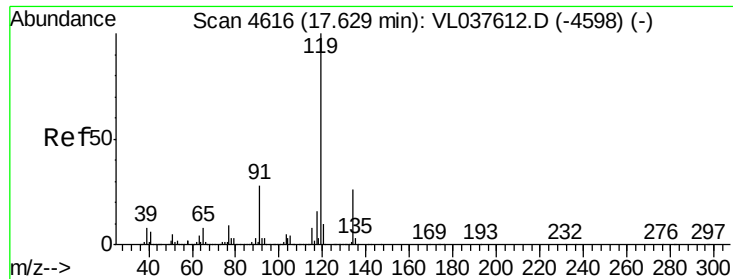
Ion Ratio Lower Upper

95 100

174 74.4 56.3 84.5

175 5.8 4.4 6.6





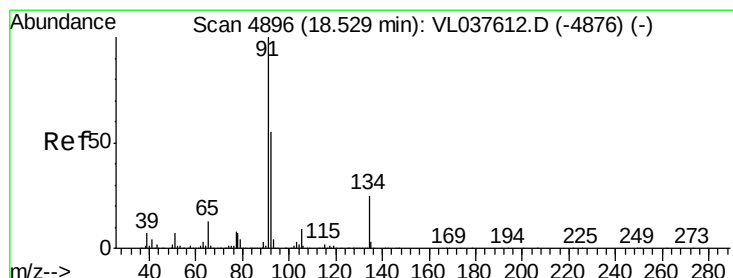
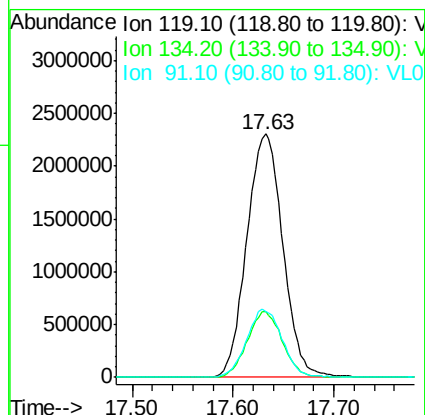
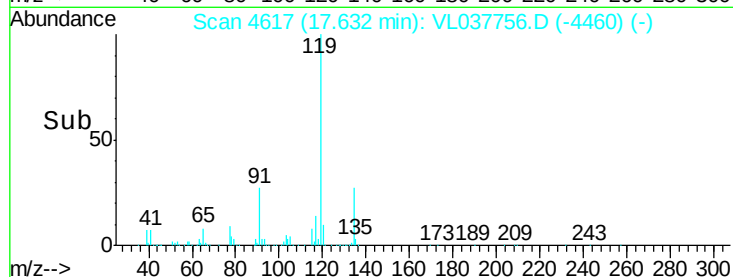
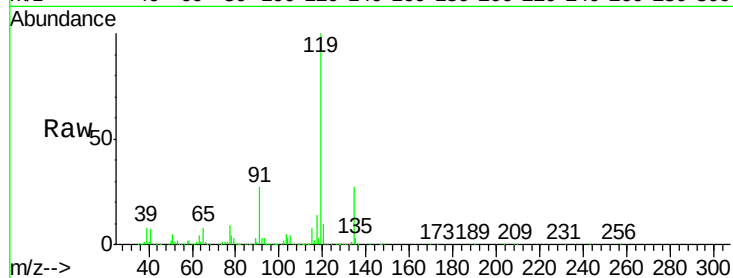
#69
p-Isopropyltoluene
Concen: 10.118 ppbv
RT: 17.63 min Scan# 4617
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
119	100		
134	26.4	21.2	31.8
91	27.7	22.2	33.2

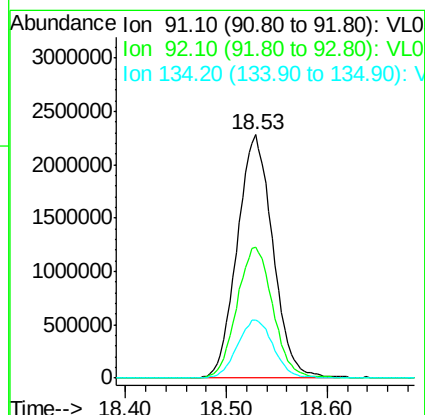
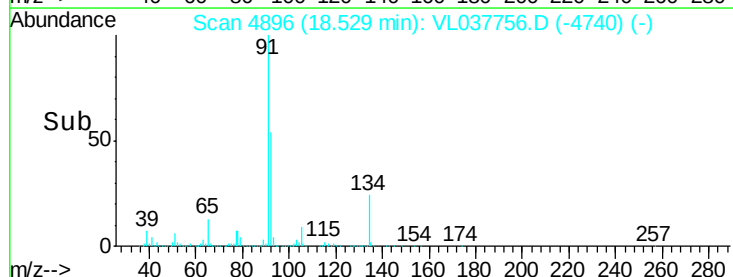
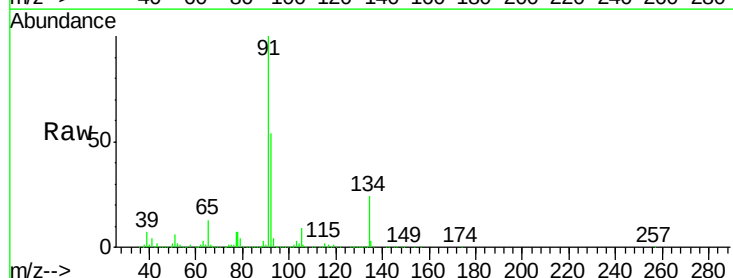
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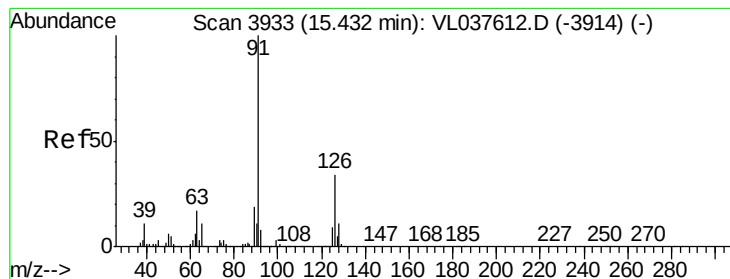
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#70
n-Butylbenzene
Concen: 10.452 ppbv
RT: 18.53 min Scan# 4896
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.4	44.0	66.0
134	24.4	19.5	29.3





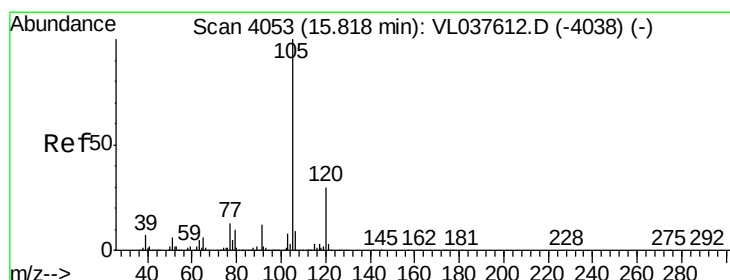
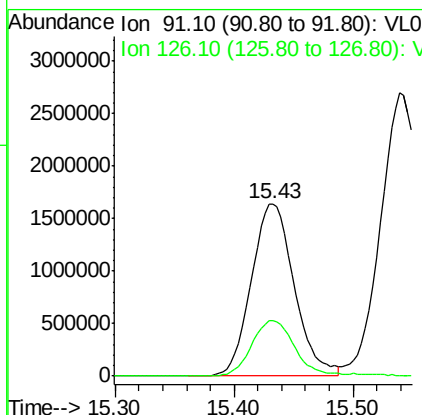
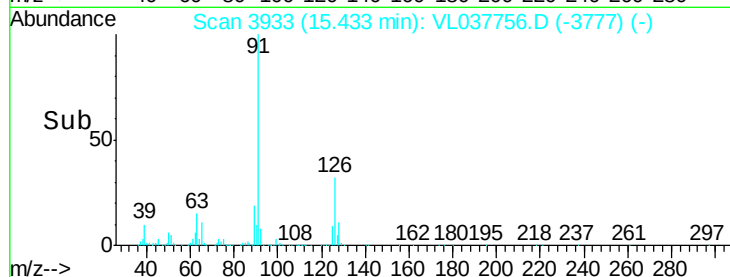
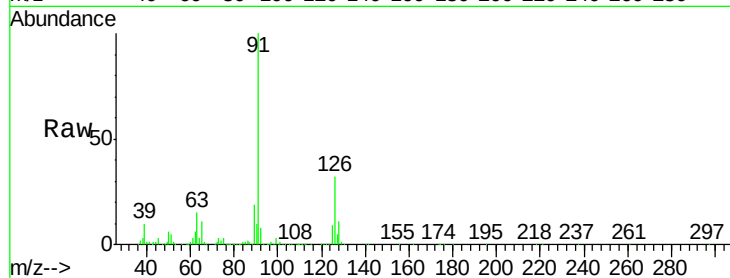
#71
 2-Chlorotoluene
 Concen: 10.114 ppbv
 RT: 15.43 min Scan# 3933
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion: 91 Resp: 4095722
 Ion Ratio Lower Upper
 91 100
 126 33.8 13.2 52.8

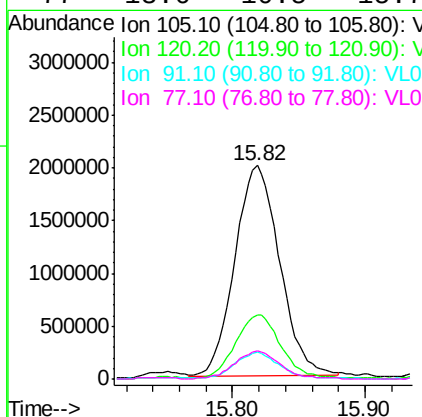
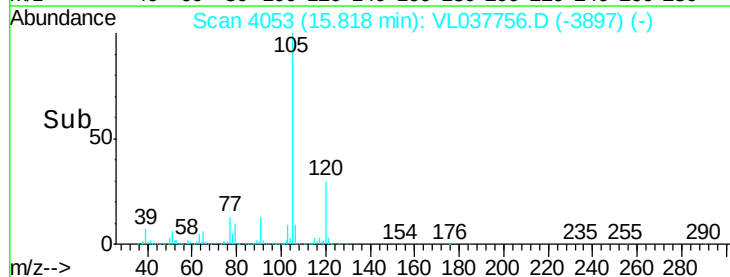
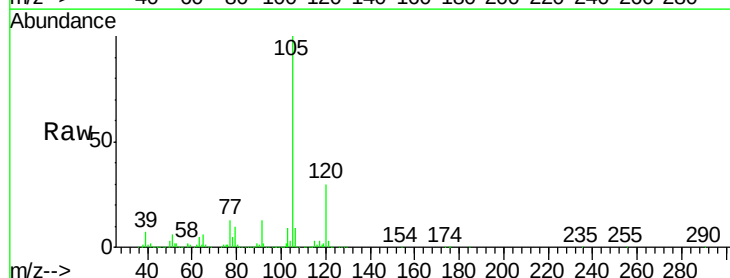
Manual Integrations
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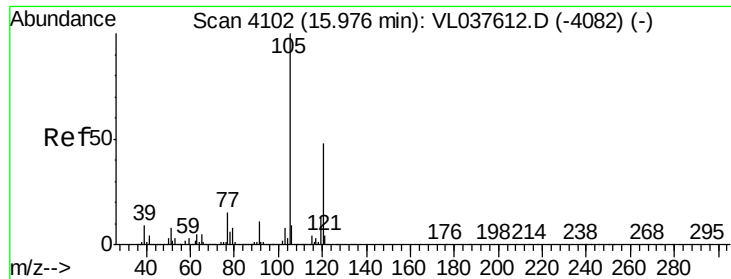
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#72
 4-Ethyltoluene
 Concen: 10.137 ppbv
 RT: 15.82 min Scan# 4053
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion: 105 Resp: 4706717
 Ion Ratio Lower Upper
 105 100
 120 31.7 24.7 37.1
 91 12.4 9.9 14.9
 77 13.6 10.5 15.7





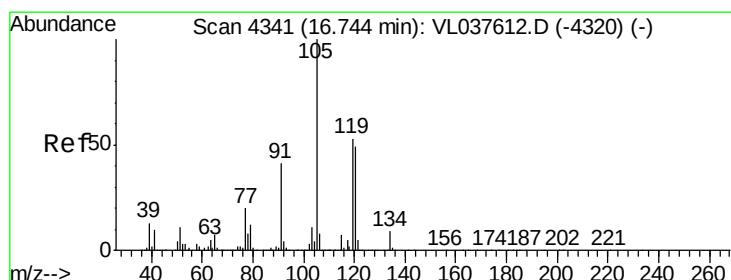
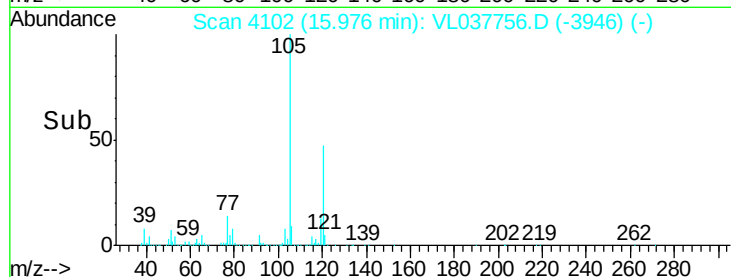
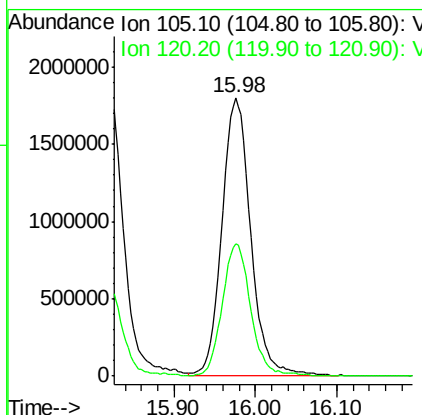
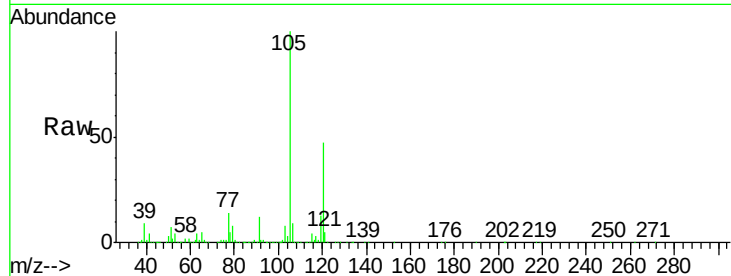
#73
 1,3,5-Trimethylbenzene
 Concen: 10.306 ppbv
 RT: 15.98 min Scan# 4102
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion:105 Resp: 4460334
 Ion Ratio Lower Upper
 105 100
 120 47.2 38.3 57.5

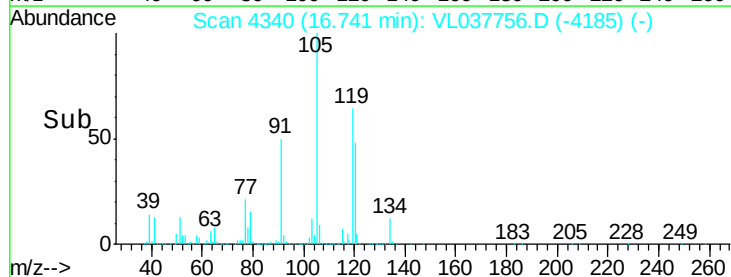
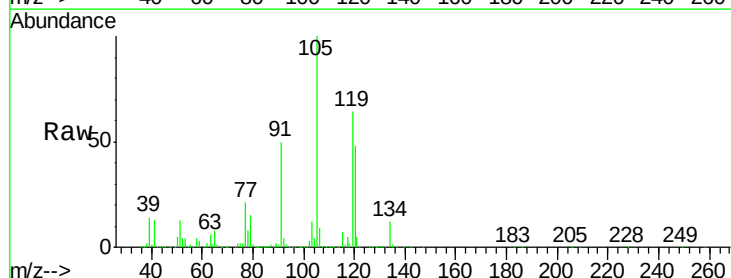
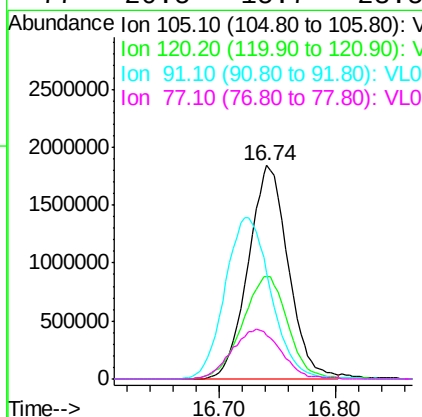
Manual Integrations
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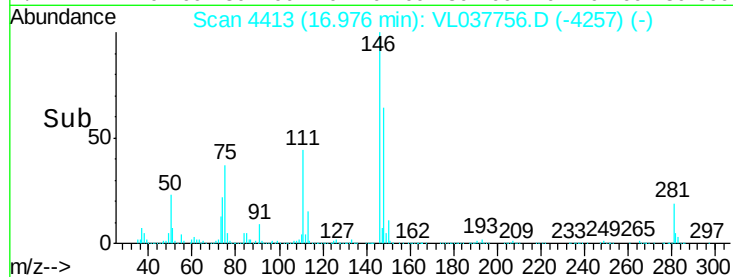
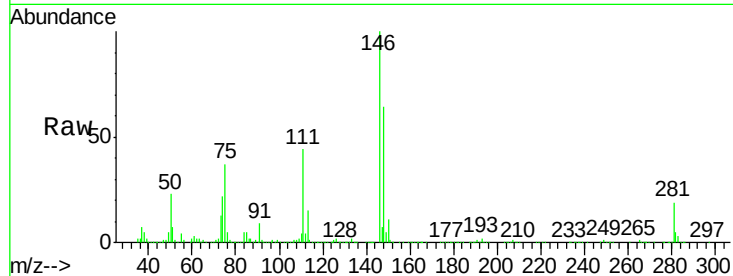
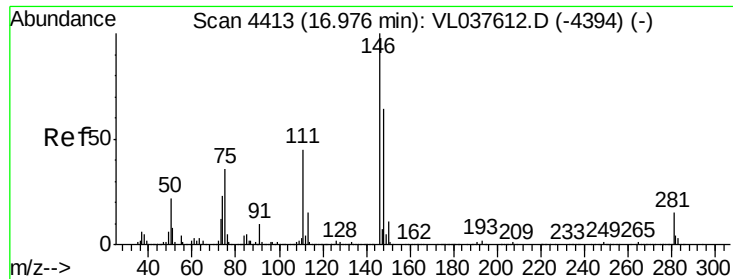
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#74
 1,2,4-Trimethylbenzene
 Concen: 9.691 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. -0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion:105 Resp: 4417976
 Ion Ratio Lower Upper
 105 100
 120 48.1 39.4 59.0
 91 48.9 33.3 49.9
 77 20.5 15.7 23.5





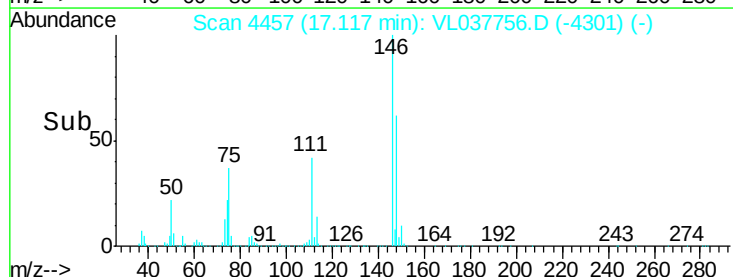
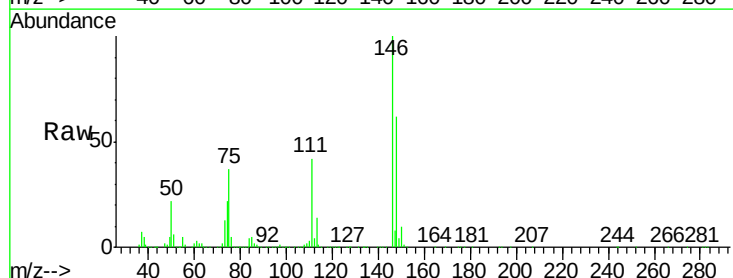
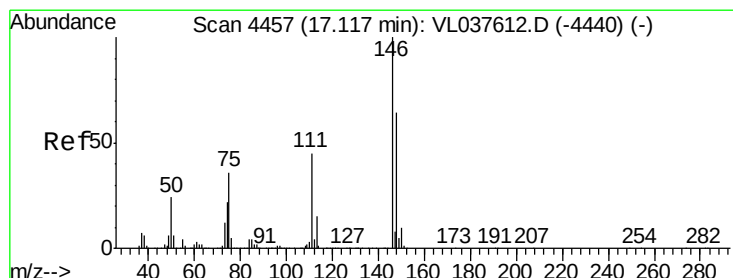
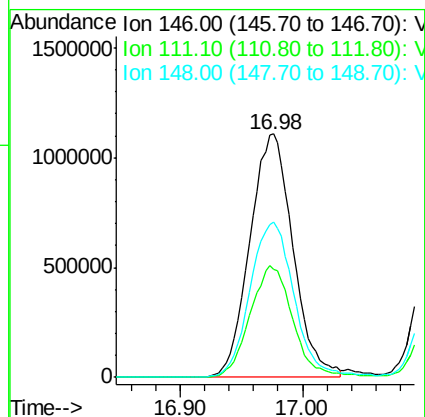
#75
 1,3-Dichlorobenzene
 Concen: 9.550 ppbv
 RT: 16.98 min Scan# 4413
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tot Ion:146 Resp: 2704980
 Ion Ratio Lower Upper
 146 100
 111 45.6 22.8 68.3
 148 65.4 32.1 96.5

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

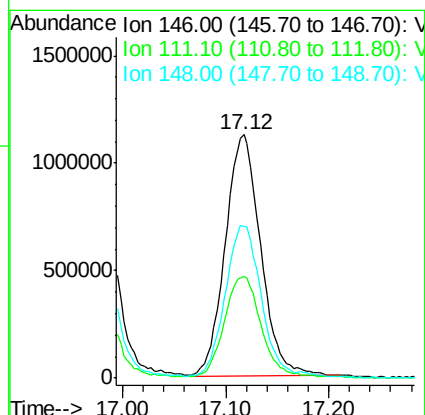
Manual Integrations
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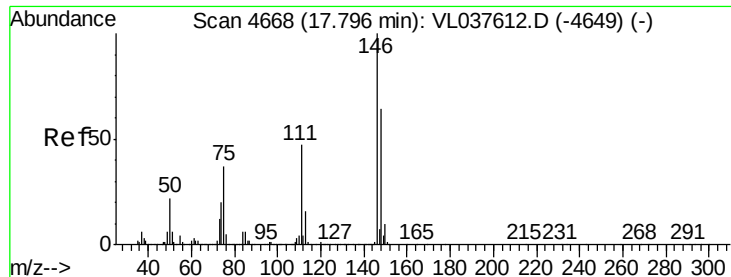
MMDadoda
 10/4/2021 5:50:21 PM



#76
 1,4-Dichlorobenzene
 Concen: 9.658 ppbv
 RT: 17.12 min Scan# 4457
 Delta R.T. 0.00 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Tgt Ion:146 Resp: 2698054
 Ion Ratio Lower Upper
 146 100
 111 44.3 22.5 67.5
 148 65.1 32.9 98.6





#77

1,2-Dichlorobenzene

Concen: 9.799 ppbv

RT: 17.80 min Scan# 4668

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

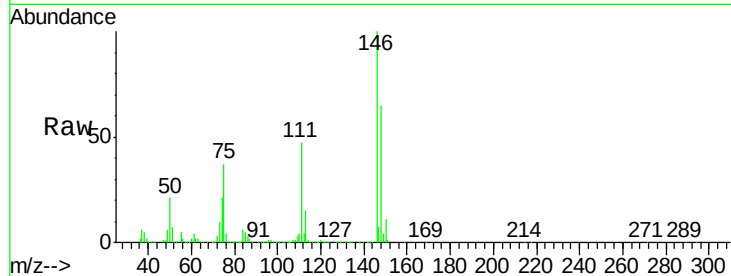
Instrument :
MSVOA_L

ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
146	100		
111	46.7	24.0	72.0
148	65.3	32.8	98.3

Manual Integrations
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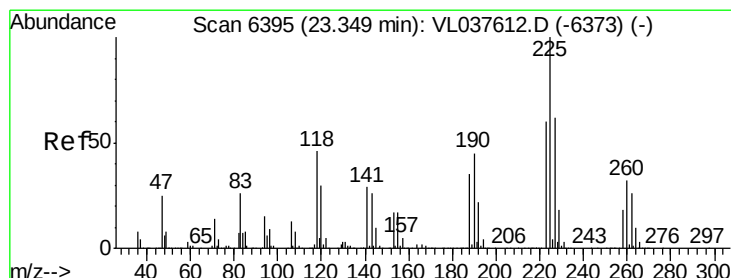
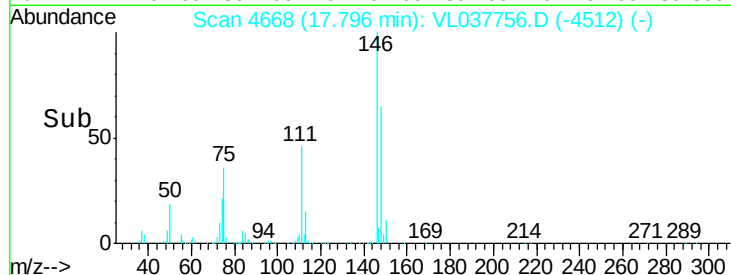
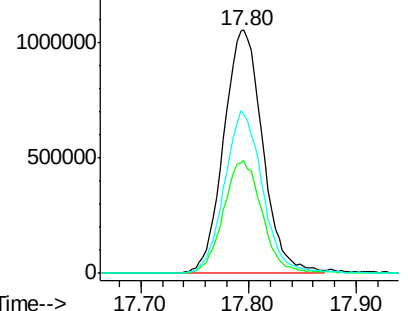
MMDadoda
10/4/2021 5:50:21 PM



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: 8.479 ppbv

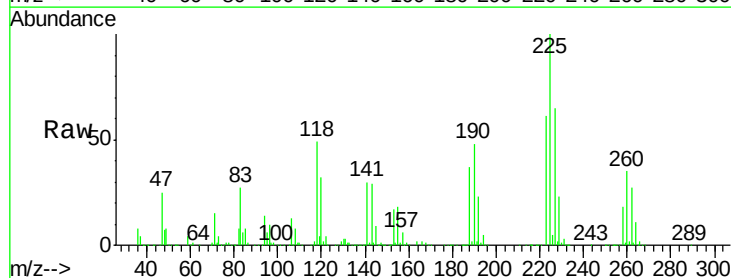
RT: 23.35 min Scan# 6396

Delta R.T. 0.00 min

Lab File: VL037756.D

Acq: 2 Oct 2021 00:24

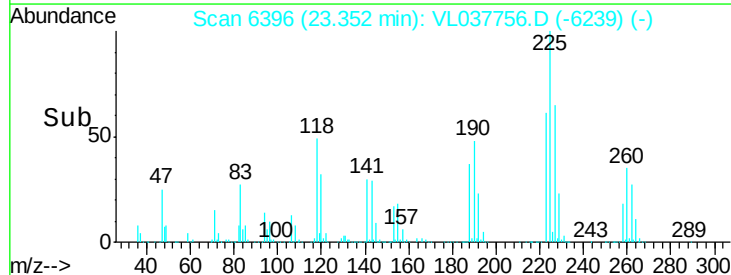
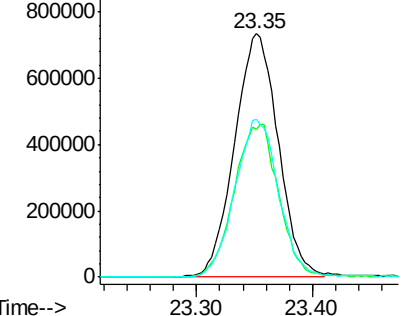
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.3	51.1	76.7
227	65.1	52.2	78.4

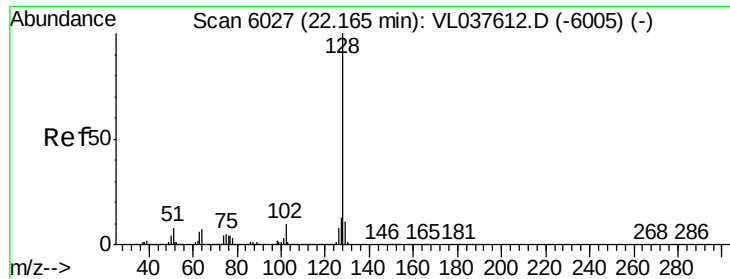


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





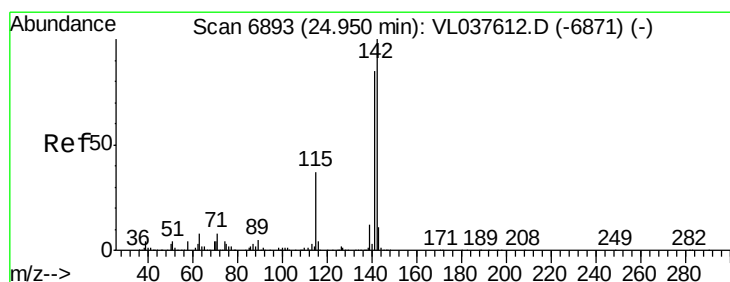
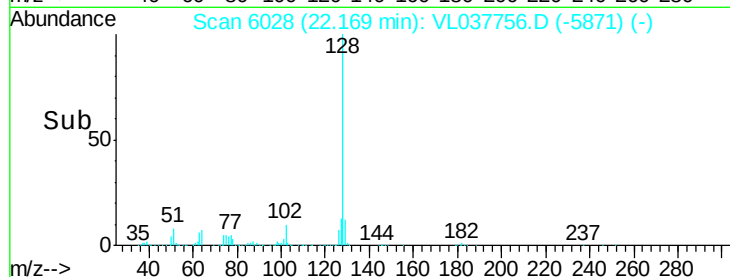
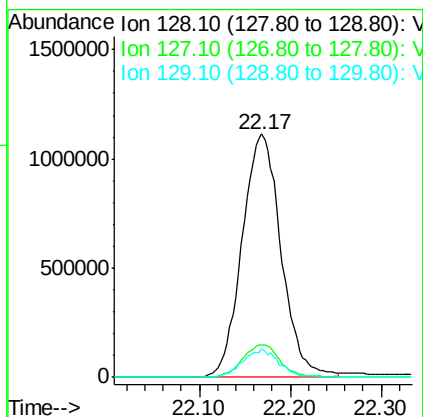
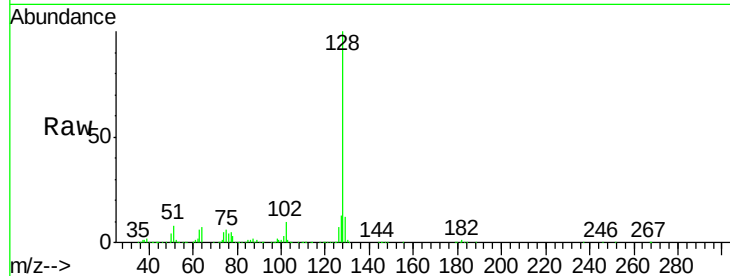
#79
Naphthalene
Concen: 11.816 ppbv
RT: 22.17 min Scan# 6028
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.6	16.0
129	11.5	8.6	12.8

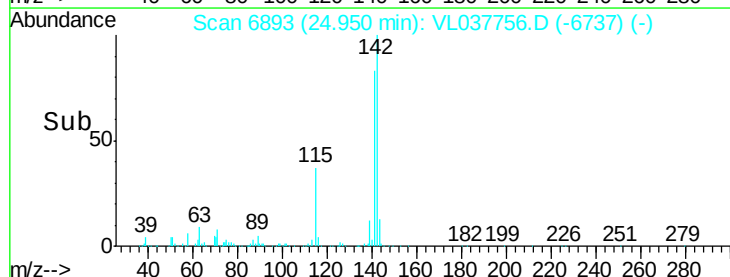
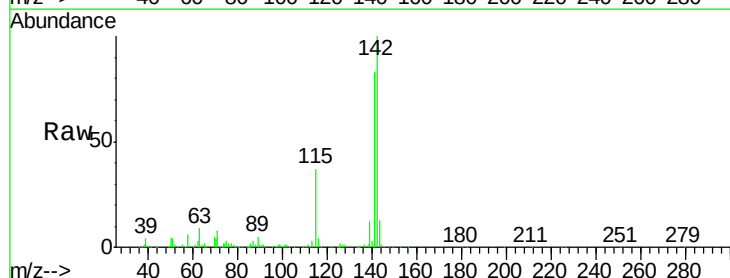
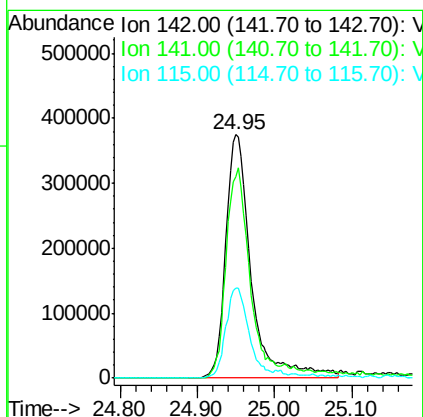
Manual Integrations
APPROVED

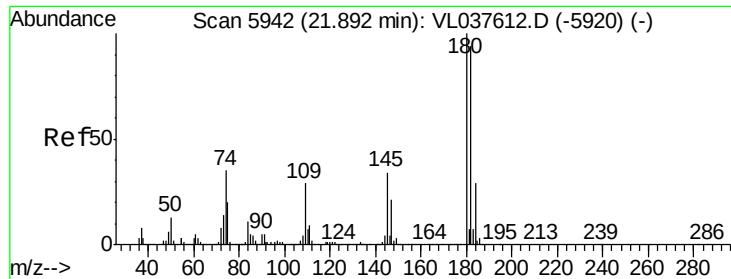
MMDadoda
10/4/2021 5:50:21 PM



#80
Naphthalene, 2-methyl-
Concen: 13.374 ppbv
RT: 24.95 min Scan# 6893
Delta R.T. 0.00 min
Lab File: VL037756.D
Acq: 2 Oct 2021 00:24

Tgt Ion	Ratio	Lower	Upper
142	100		
141	87.1	70.9	106.3
115	36.4	29.6	44.4





#81
 1,2,4-Trichlorobenzene
 Concen: 10.848 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. 0.01 min
 Lab File: VL037756.D
 Acq: 2 Oct 2021 00:24

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.6	78.9	118.3
184	31.0	24.7	37.1

Manual Integrations
 APPROVED

MMDadoda
 10/4/2021 5:50:21 PM

