

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100521\
 Data File : VL037794.D
 Acq On : 6 Oct 2021 7:37
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleID :
 VSTDCCC010EC

Manual Integrations
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MMDadoda
 10/11/2021 7:36:53 PM

Quant Time: Oct 06 12:52:18 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 06 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1260621	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3758821	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.05	117	3224603m	10.00	ppbv	-0.04

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2459476	10.91	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.10%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.03	85	1573894	7.816	ppbv	99
3) Chlorodifluoromethane	2.97	51	2278362	9.406	ppbv	99
4) Chloromethane	3.12	50	765130	8.624	ppbv	98
5) Vinyl Chloride	3.24	62	790634	9.722	ppbv	98
6) Bromomethane	3.46	94	297820	6.770	ppbv	94
7) Chloroethane	3.54	64	265929	8.893	ppbv	91
8) Dichlorotetrafluoroethane	3.17	85	1784380	8.966	ppbv	98
9) Propene	3.00	41	775179	8.698	ppbv	99
10) Heptane	8.09	43	1956803	9.668	ppbv	100
11) Trichlorofluoromethane	3.93	101	1644989	9.157	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.46	101	1242460	9.128	ppbv	100
13) Ethanol	3.59	45	85669m	11.754	ppbv	
14) Bromoethene	3.72	108	545972	9.122	ppbv	95
15) Acetone	3.83	43	923999	8.165	ppbv	99
16) 1,3-Butadiene	3.31	39	843129	10.240	ppbv	90
17) tert-Butyl alcohol	4.26	59	1054028	9.044	ppbv	100
18) 1,1-Dichloroethene	4.27	96	548191	8.862	ppbv	97
19) Isopropyl Alcohol	3.94	45	671946	9.544	ppbv #	97
20) Methylene Chloride	4.32	84	456829	7.989	ppbv	95
21) Allyl Chloride	4.39	41	774275	7.723	ppbv	98
22) trans-1,2-Dichloroethene	4.86	96	581351	9.348	ppbv	94
23) Vinyl Acetate	5.05	43	1379793	8.136	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1190935	9.647	ppbv	99
25) Ethyl Acetate	5.65	43	2854326	8.988	ppbv	99
26) Hexane	5.66	57	1423634	9.104	ppbv	96
27) Carbon Disulfide	4.53	76	1358087	9.800	ppbv	99
28) Methyl tert-Butyl Ether	5.01	73	1130628	8.684	ppbv	99
29) Chloroform	5.73	83	2018540	9.031	ppbv	99
30) Cyclohexane	7.10	84	1198377	9.038	ppbv	100
31) cis-1,2-Dichloroethene	5.52	61	1296000	9.130	ppbv	97
32) 1,1,1-Trichloroethane	6.48	97	1932941	9.122	ppbv	99
34) 2-Butanone	5.22	43	1266162	8.344	ppbv	98
35) Carbon Tetrachloride	6.99	117	1988006	9.313	ppbv	97
36) Benzene	6.86	78	2954635	9.203	ppbv	99
37) 1,2-Dichloroethane	6.28	62	1433299	9.481	ppbv	99
38) Trichloroethene	7.81	130	1176878	9.279	ppbv	98
39) 1,2-Dichloropropane	7.58	63	1154930	9.564	ppbv	98
40) 1,4-Dioxane	7.81	88	270133	8.939	ppbv #	100
41) Tetrahydrofuran	6.02	42	643105	8.655	ppbv	100
42) Bromodichloromethane	7.76	83	2134046	9.611	ppbv	98
43) Methyl Methacrylate	7.99	69	1109126	10.577	ppbv	99

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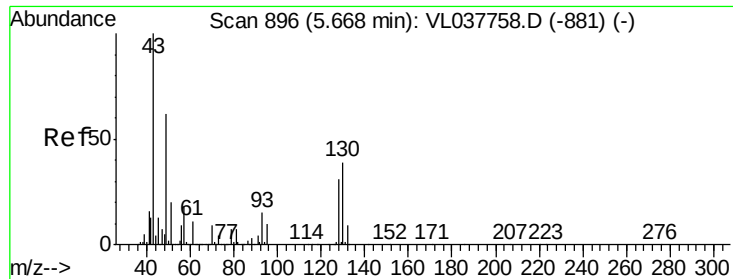
Manual Integrations
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 0
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.84	57	5001914	9.273	ppbv	98
45) t-1,3-Dichloropropene	9.25	75	415622	5.760	ppbv	99
46) cis-1,3-Dichloropropene	8.67	75	670060	6.700	ppbv	97
47) 1,1,2-Trichloroethane	9.44	97	1201146	9.150	ppbv	97
48) Dibromochloromethane	10.27	129	1903819	10.173	ppbv	100
49) Bromoform	13.01	173	1606644	11.220	ppbv	99
50) 4-Methyl-2-Pentanone	8.71	43	2009049	10.170	ppbv	100
51) 2-Hexanone	10.10	43	1022891	11.599	ppbv #	98
52) Tetrachloroethene	11.19	164	1094745	8.764	ppbv	97
53) Toluene	9.78	91	3432292	9.647	ppbv	100
54) 1,2-Dibromoethane	10.58	107	1609805	9.078	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.09	131	1379631	10.335	ppbv	98
57) Chlorobenzene	12.11	112	2536303	9.588	ppbv	98
58) Ethyl Benzene	12.68	91	4471720	10.327	ppbv	99
59) m/p-Xylene	12.96	91	7458003m	20.065	ppbv	
60) o-Xylene	13.66	91	3537534	9.931	ppbv	98
61) Styrene	13.49	104	1850927	10.743	ppbv	99
62) Isopropylbenzene	14.64	105	5050320	10.165	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.64	83	2606375	9.482	ppbv	99
64) n-propylbenzene	15.53	120	1324620	10.691	ppbv	97
65) tert-Butylbenzene	16.71	119	4377481	10.012	ppbv	100
66) Benzyl Chloride	16.96	91	99135m	4.594	ppbv	
67) sec-Butylbenzene	17.26	105	6190173	10.352	ppbv	100
69) p-Isopropyltoluene	17.62	119	5193779	10.744	ppbv	99
70) n-Butylbenzene	18.52	91	5073550	11.047	ppbv	99
71) 2-Chlorotoluene	15.42	91	3679827	10.488	ppbv	100
72) 4-Ethyltoluene	15.81	105	4221821	10.438	ppbv	98
73) 1,3,5-Trimethylbenzene	15.97	105	3748262	10.203	ppbv	98
74) 1,2,4-Trimethylbenzene	16.73	105	3969264	10.289	ppbv	97
75) 1,3-Dichlorobenzene	16.96	146	2445801	10.233	ppbv	100
76) 1,4-Dichlorobenzene	17.10	146	2387130	10.469	ppbv	99
77) 1,2-Dichlorobenzene	17.78	146	2421455	10.546	ppbv	98
78) Hexachloro-1,3-Butadiene	23.34	225	1885593	10.058	ppbv	100
79) Naphthalene	22.15	128	2992053	12.664	ppbv	98
80) Naphthalene,2-methyl-	24.94	142	788931	12.435	ppbv	98
81) 1,2,4-Trichlorobenzene	21.88	180	1839654	12.174	ppbv	98

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

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Tgt Ion: 49 Resp: 1260621

Ion Ratio Lower Upper

49 100

128 55.4 27.1 81.3

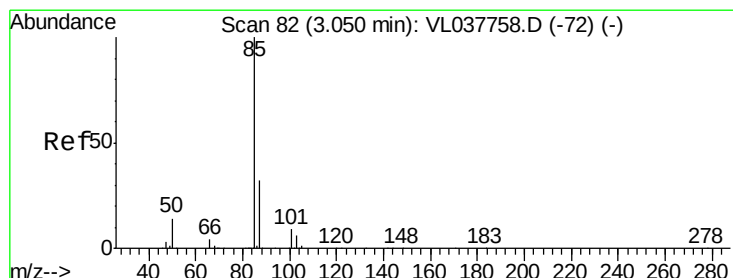
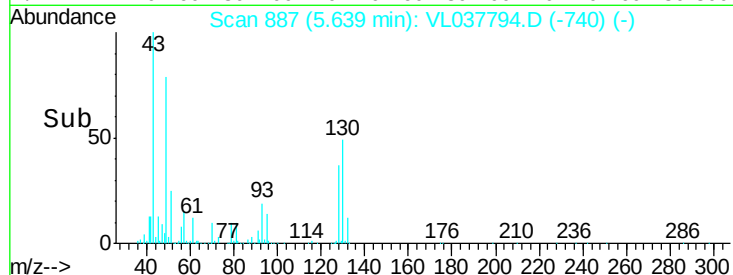
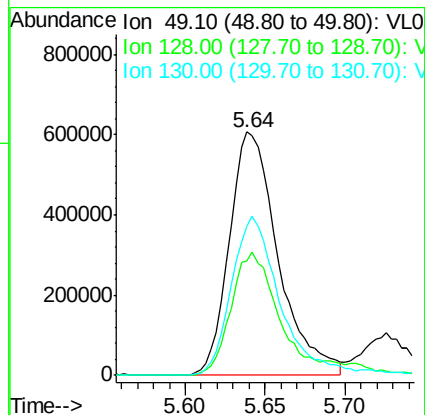
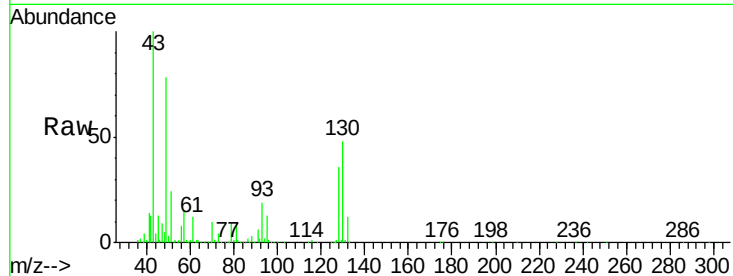
130 67.0 33.2 99.6

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#2

Dichlorodifluoromethane

Concen: 7.816 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.02 min

Lab File: VL037794.D

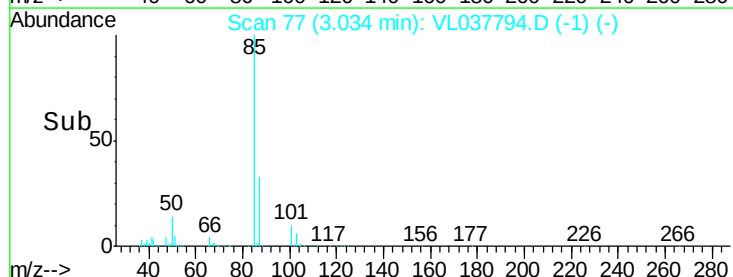
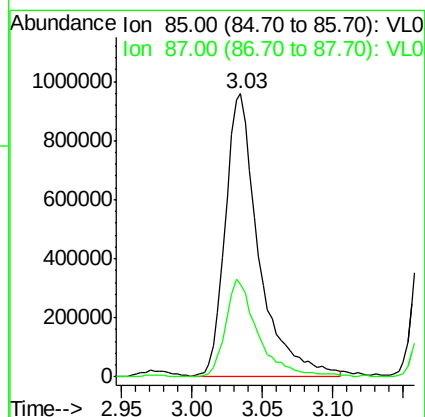
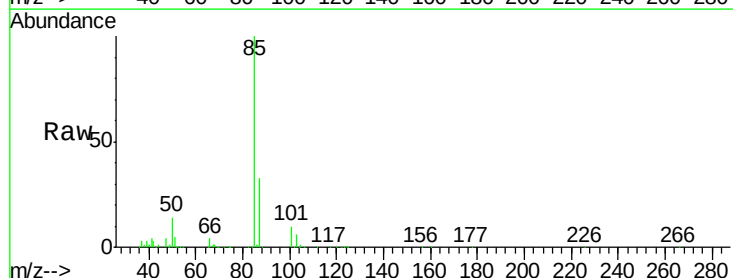
Acq: 6 Oct 2021 7:37

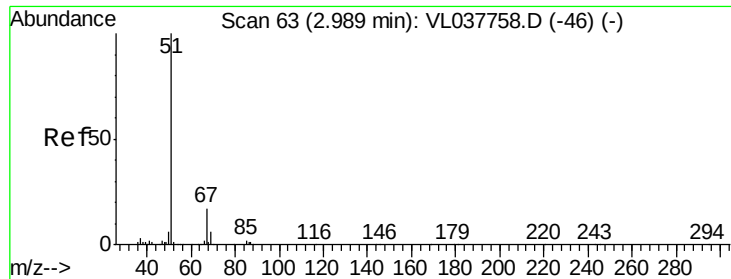
Tgt Ion: 85 Resp: 1573894

Ion Ratio Lower Upper

85 100

87 32.8 25.7 38.5





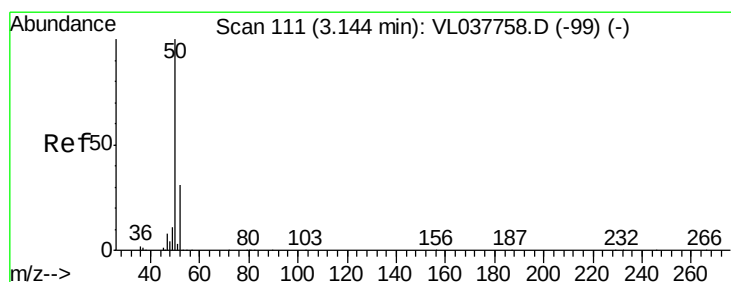
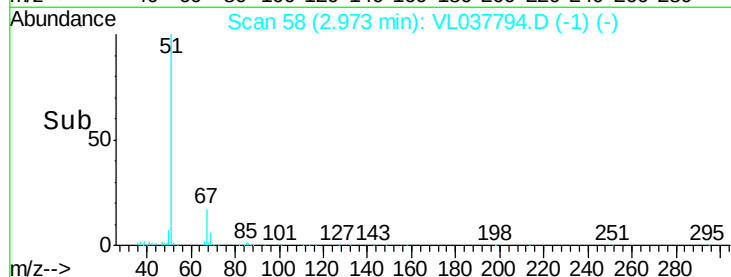
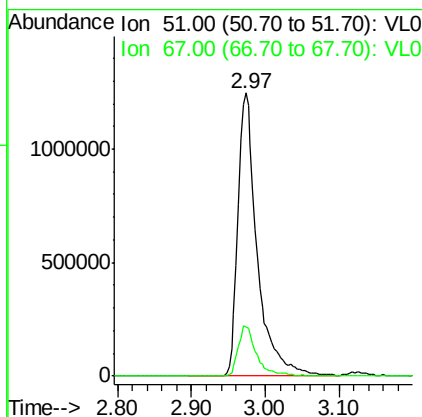
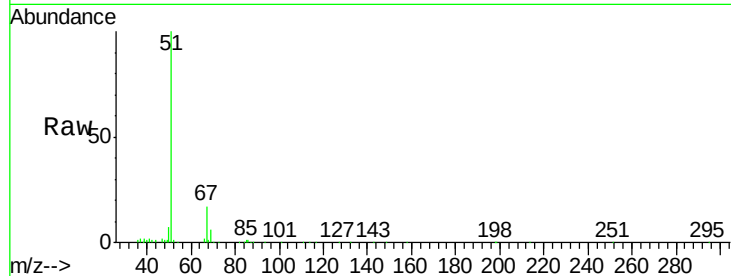
#3
Chlorodifluoromethane
Concen: 9.406 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.02 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 51 Resp: 2278362
Ion Ratio Lower Upper
51 100
67 17.2 13.5 20.3

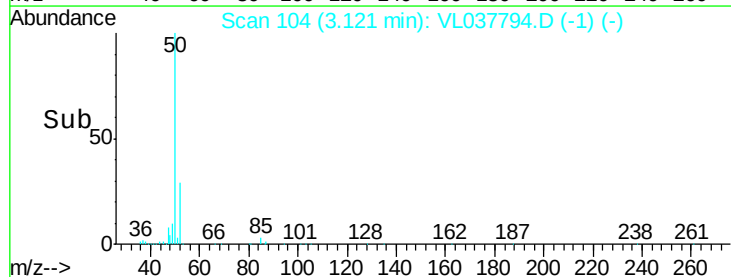
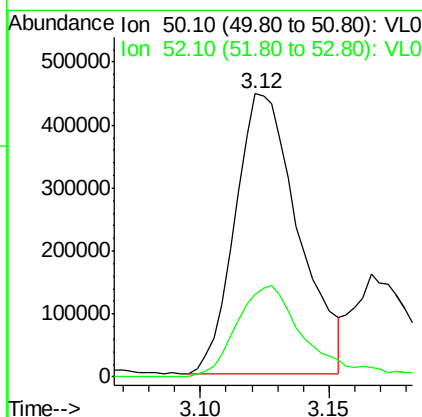
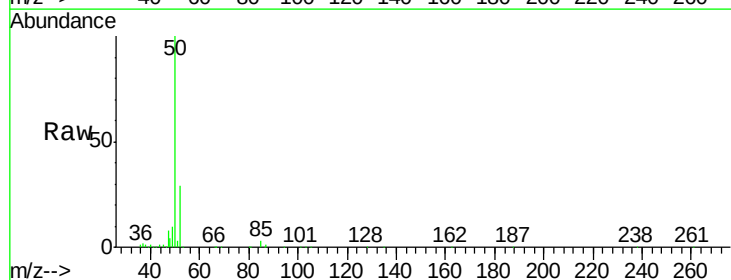
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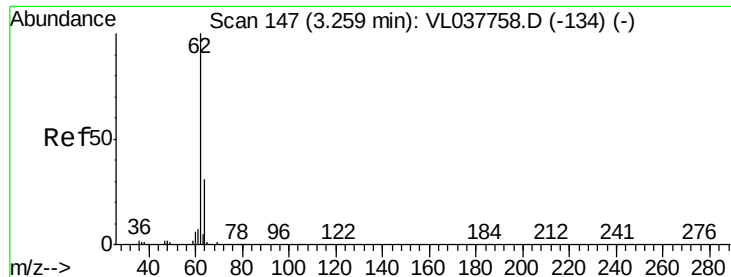
MMDadoda
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#4
Chloromethane
Concen: 8.624 ppbv
RT: 3.12 min Scan# 104
Delta R.T. -0.02 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion: 50 Resp: 765130
Ion Ratio Lower Upper
50 100
52 29.2 24.4 36.6





#5

Vinyl Chloride

Concen: 9.722 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.02 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 62 Resp: 790634

Ion Ratio Lower Upper

62 100

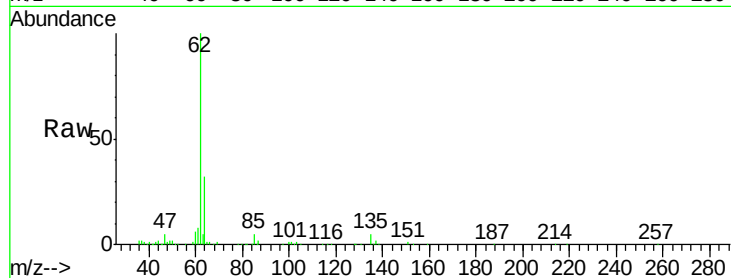
64 32.4 24.9 37.3

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Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0

3.24

400000

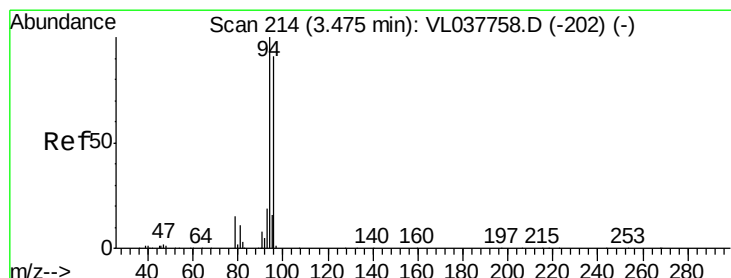
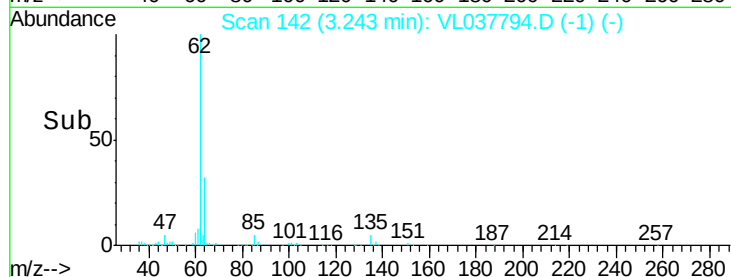
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 6.770 ppbv

RT: 3.46 min Scan# 208

Delta R.T. -0.02 min

Lab File: VL037794.D

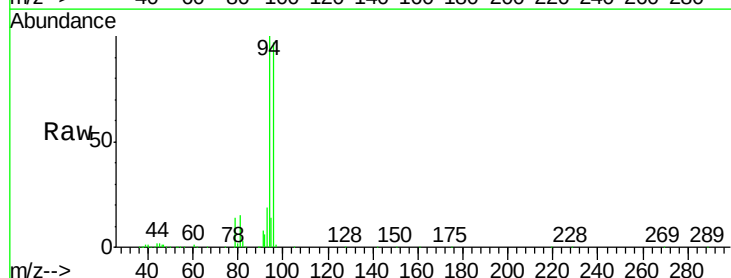
Acq: 6 Oct 2021 7:37

Tgt Ion: 94 Resp: 297820

Ion Ratio Lower Upper

94 100

96 96.5 72.5 108.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0

3.46

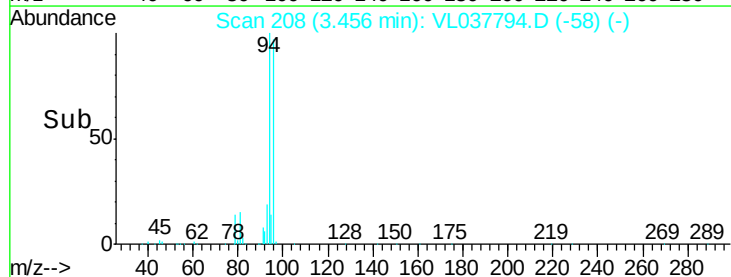
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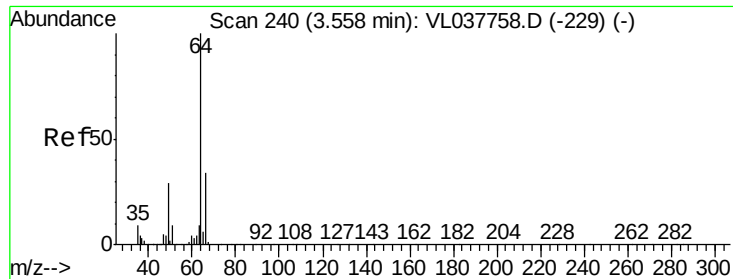
100000

50000

0

Time-->





#7

Chloroethane

Concen: 8.893 ppbv

RT: 3.54 min Scan# 234

Delta R.T. -0.02 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 64 Resp: 265929

Ion Ratio Lower Upper

64 100

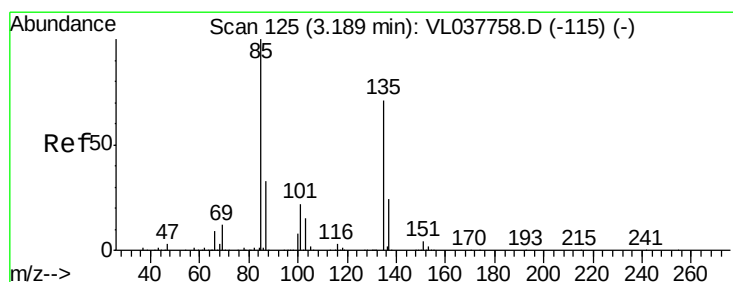
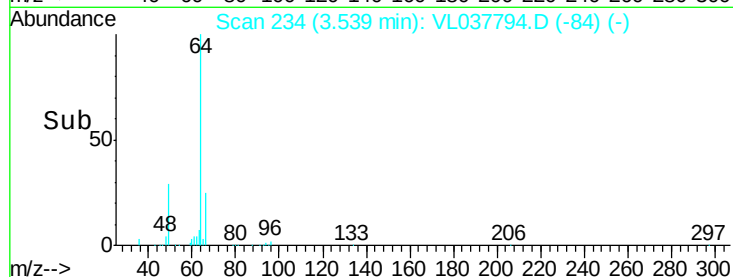
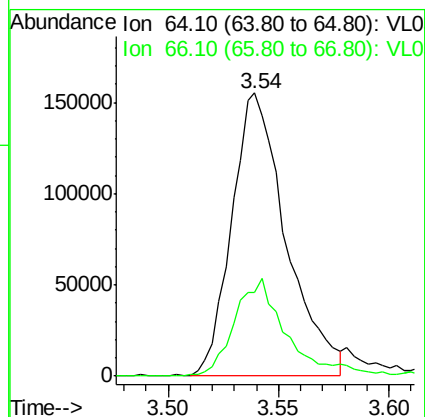
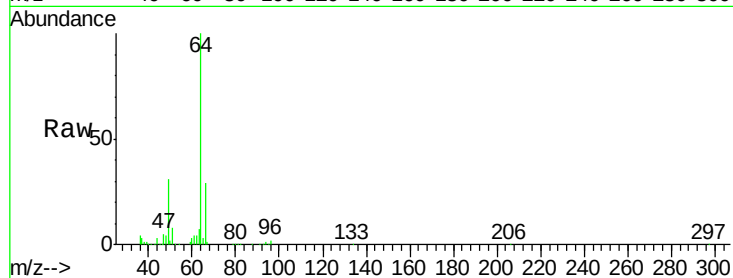
66 29.4 27.5 41.3

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#8

Dichlorotetrafluoroethane

Concen: 8.966 ppbv

RT: 3.17 min Scan# 120

Delta R.T. -0.02 min

Lab File: VL037794.D

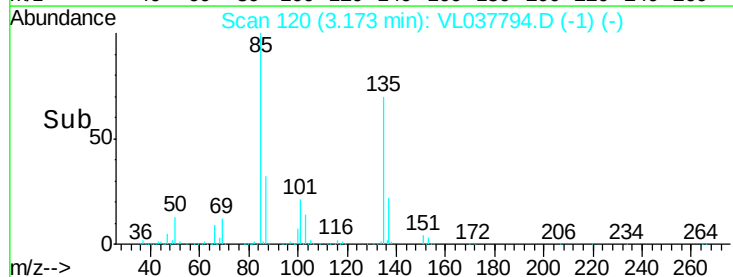
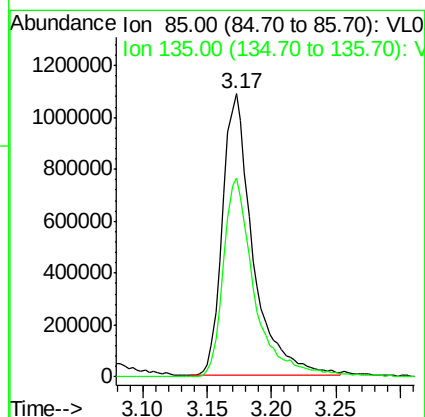
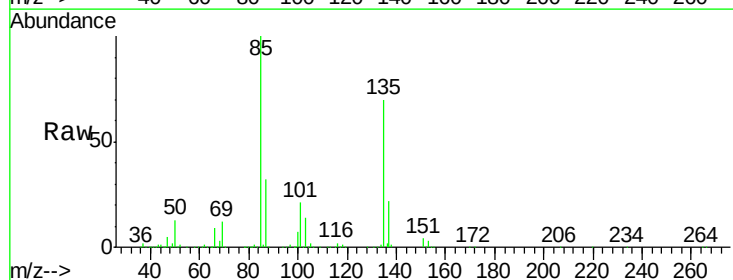
Acq: 6 Oct 2021 7:37

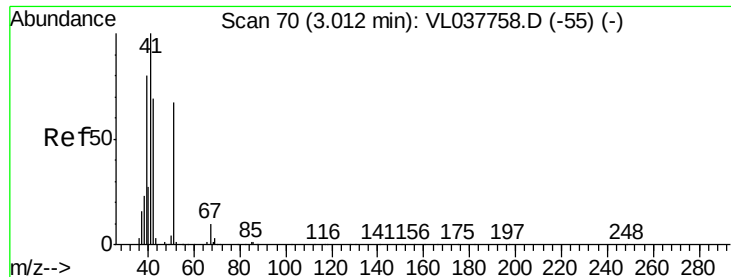
Tgt Ion: 85 Resp: 1784380

Ion Ratio Lower Upper

85 100

135 72.7 59.5 89.3





#9

Propene

Concen: 8.698 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 41 Resp: 775179

Ion Ratio Lower Upper

41 100

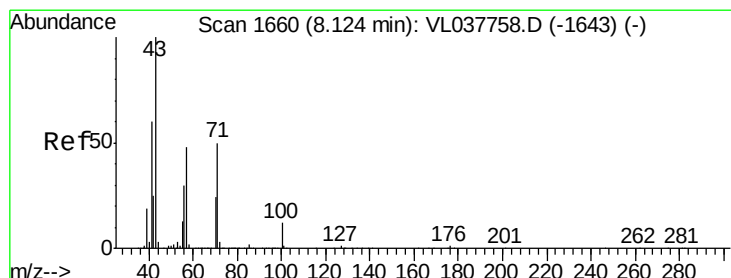
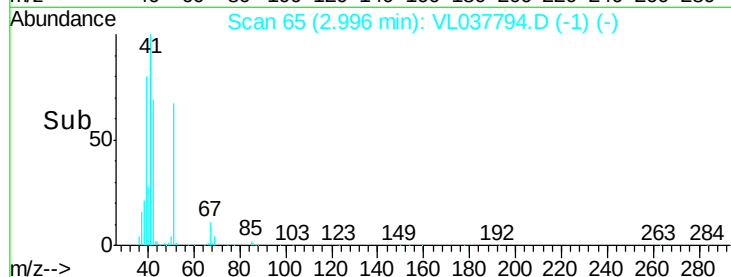
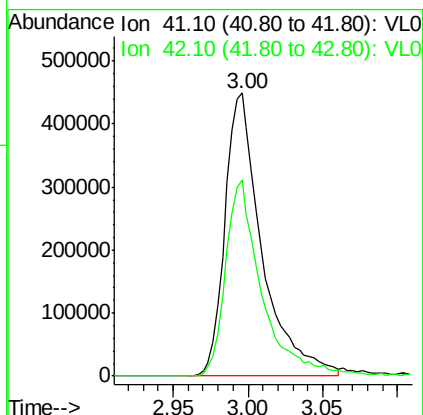
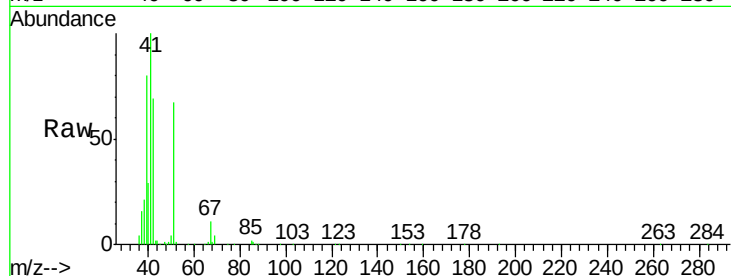
42 68.2 54.2 81.2

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#10

Heptane

Concen: 9.668 ppbv

RT: 8.09 min Scan# 1650

Delta R.T. -0.03 min

Lab File: VL037794.D

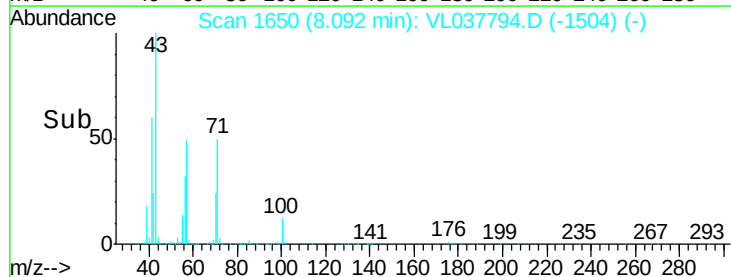
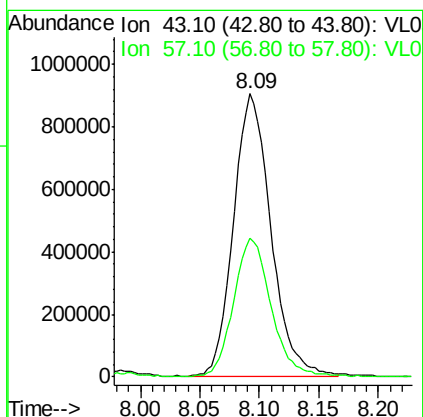
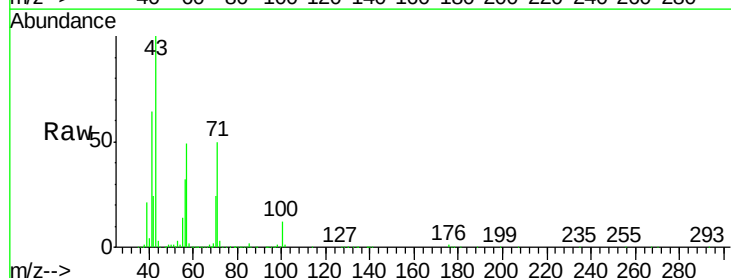
Acq: 6 Oct 2021 7:37

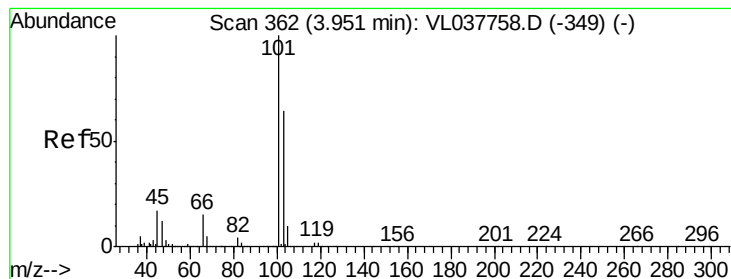
Tgt Ion: 43 Resp: 1956803

Ion Ratio Lower Upper

43 100

57 49.8 40.0 60.0





#11

Trichlorofluoromethane

Concen: 9.157 ppbv

RT: 3.93 min Scan# 356

Delta R.T. -0.02 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:101 Resp: 1644989

Ion Ratio Lower Upper

101 100

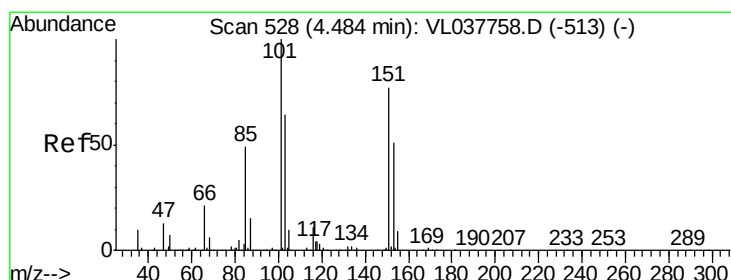
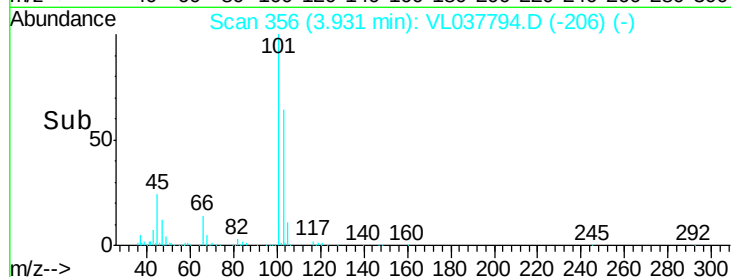
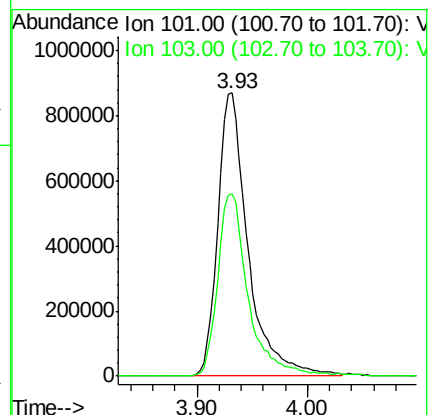
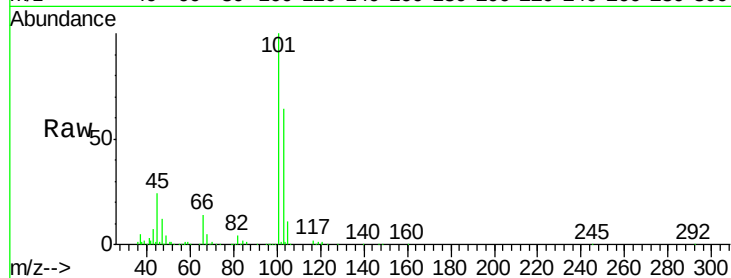
103 64.4 51.5 77.3

Manual Integrations

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.128 ppbv

RT: 4.46 min Scan# 521

Delta R.T. -0.02 min

Lab File: VL037794.D

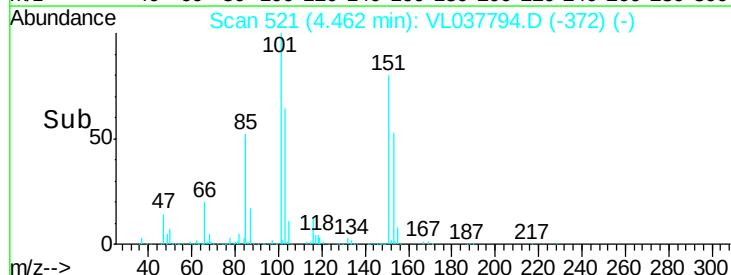
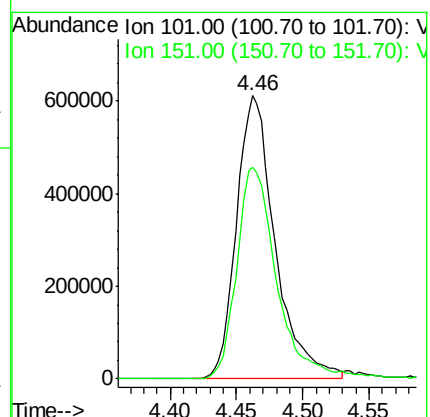
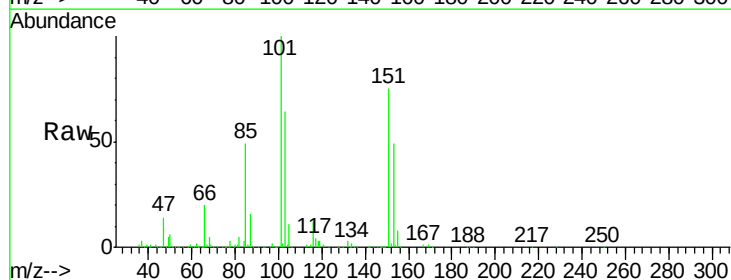
Acq: 6 Oct 2021 7:37

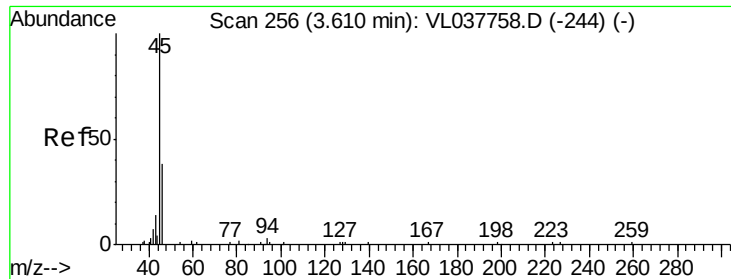
Tgt Ion:101 Resp: 1242460

Ion Ratio Lower Upper

101 100

151 78.2 62.9 94.3





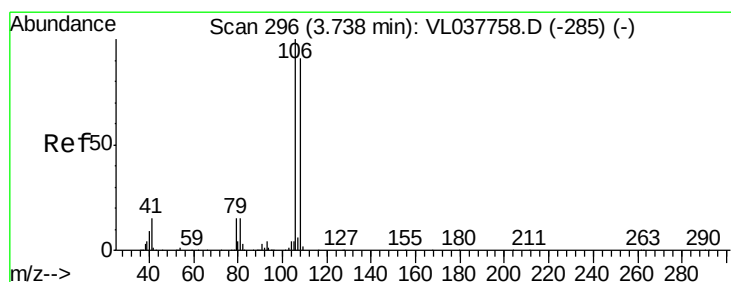
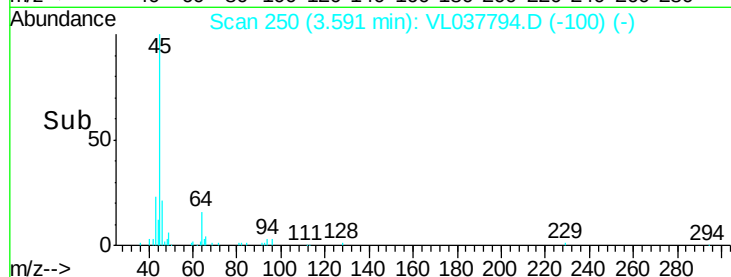
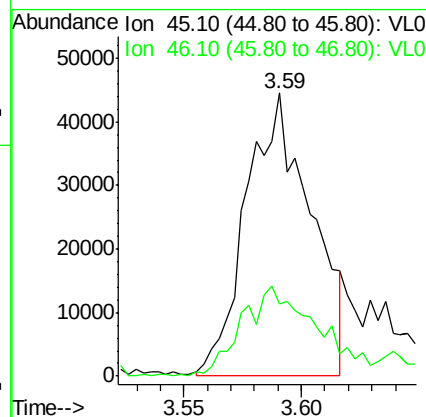
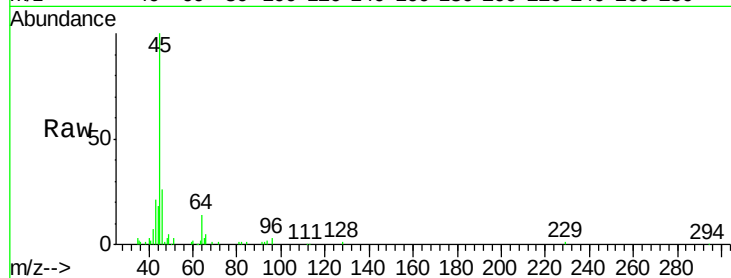
#13
Ethanol
Concen: 11.754 ppbv m
RT: 3.59 min Scan# 250
Delta R.T. -0.02 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 45 Resp: 85669
Ion Ratio Lower Upper
45 100
46 46.9 20.2 81.0

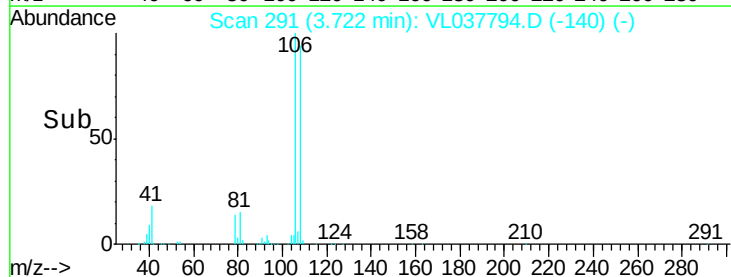
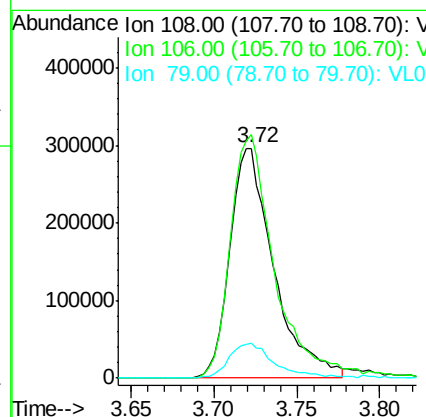
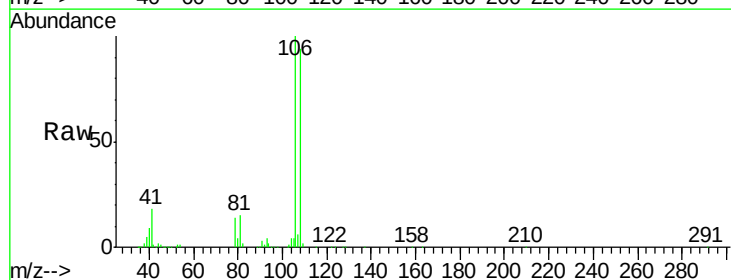
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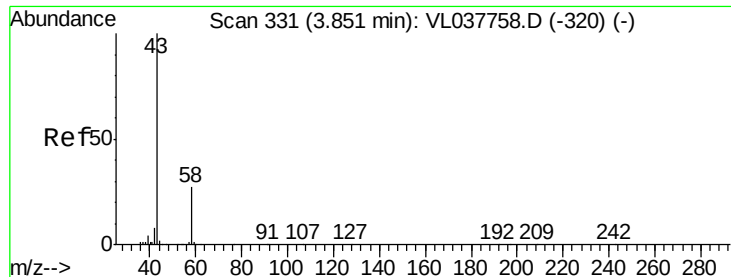
MMDadoda
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#14
Bromoethene
Concen: 9.122 ppbv
RT: 3.72 min Scan# 291
Delta R.T. -0.02 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion: 108 Resp: 545972
Ion Ratio Lower Upper
108 100
106 109.2 91.9 137.9
79 16.4 13.9 20.9





#15

Acetone

Concen: 8.165 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.02 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 923999

Ion Ratio Lower Upper

43 100

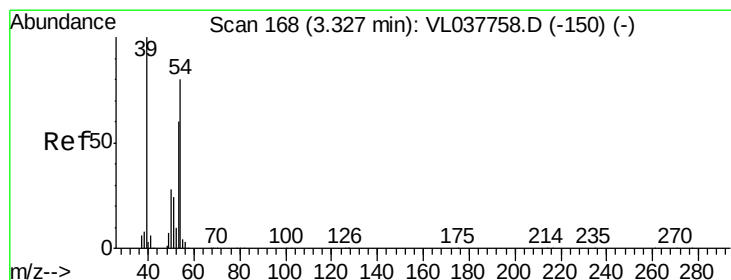
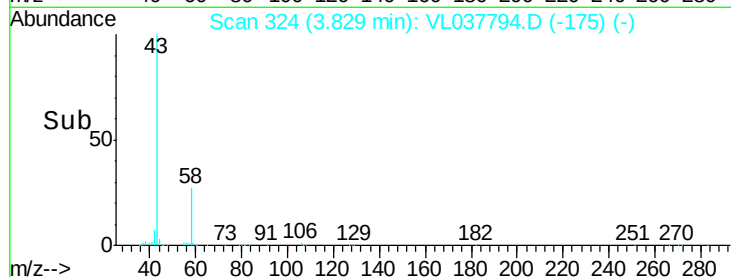
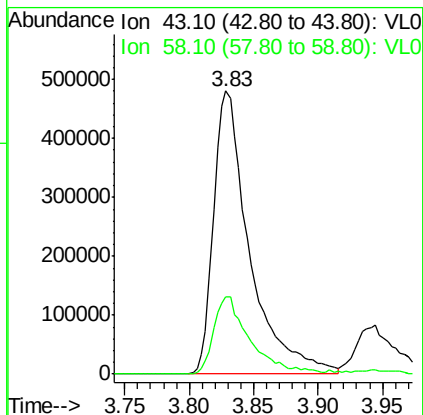
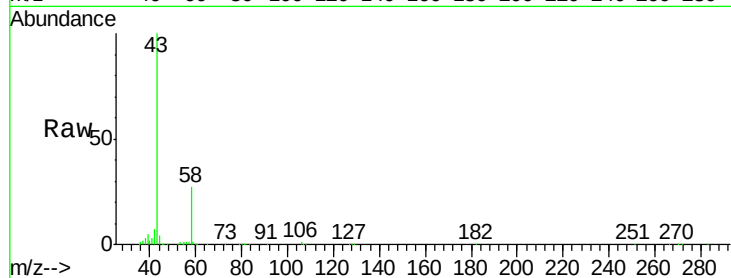
58 28.0 23.0 34.6

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#16

1,3-Butadiene

Concen: 10.240 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.02 min

Lab File: VL037794.D

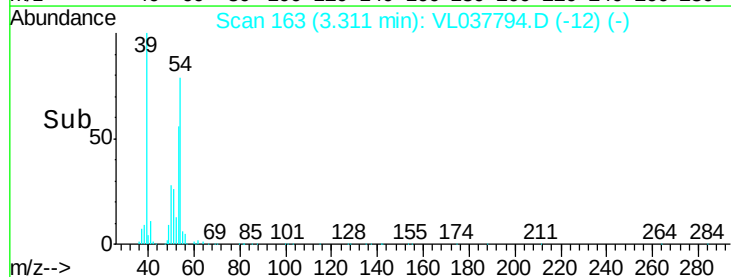
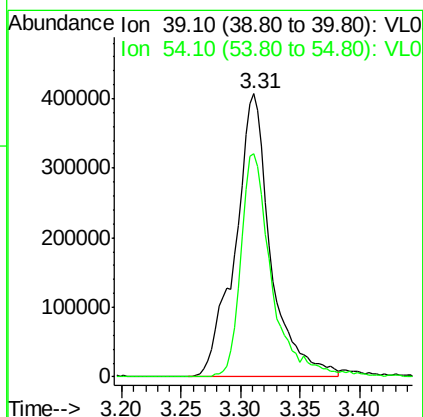
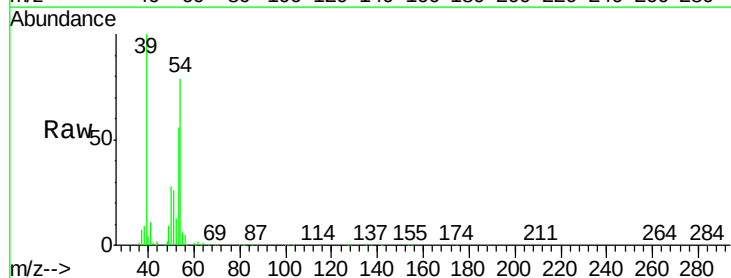
Acq: 6 Oct 2021 7:37

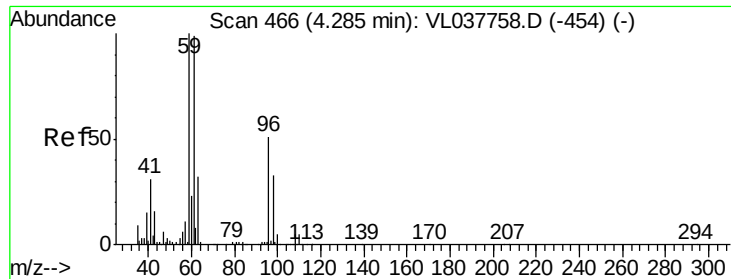
Tgt Ion: 39 Resp: 843129

Ion Ratio Lower Upper

39 100

54 68.7 61.7 92.5





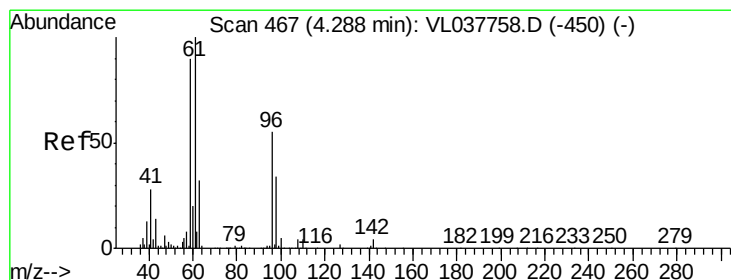
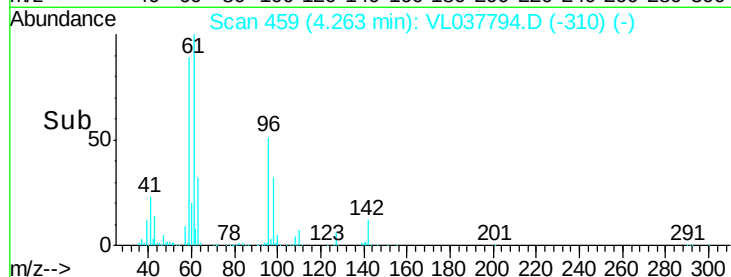
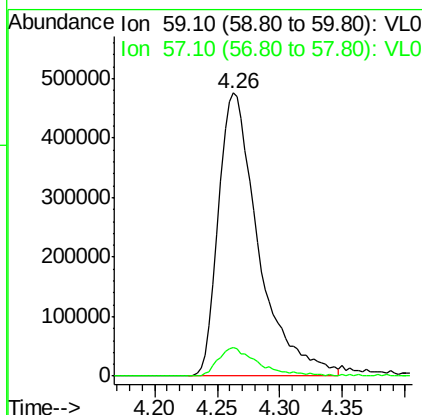
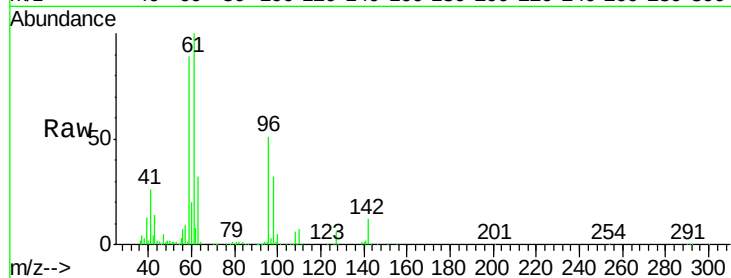
#17
tert-Butyl alcohol
Concen: 9.044 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.02 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 59 Resp: 1054028
Ion Ratio Lower Upper
59 100
57 10.7 8.6 13.0

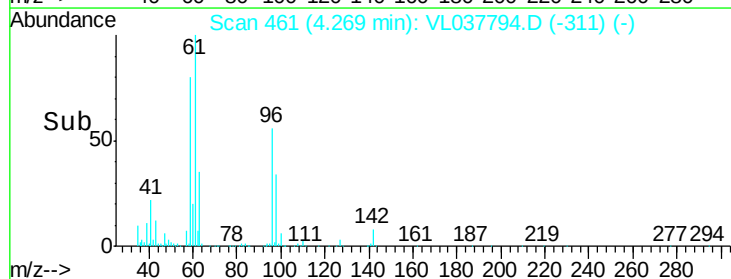
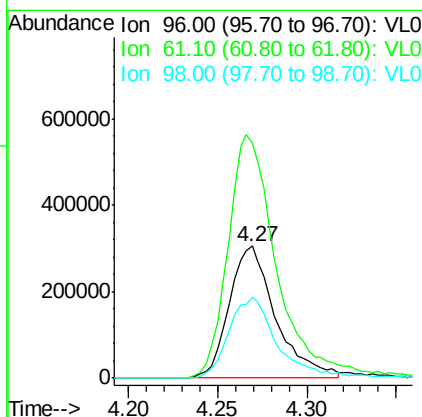
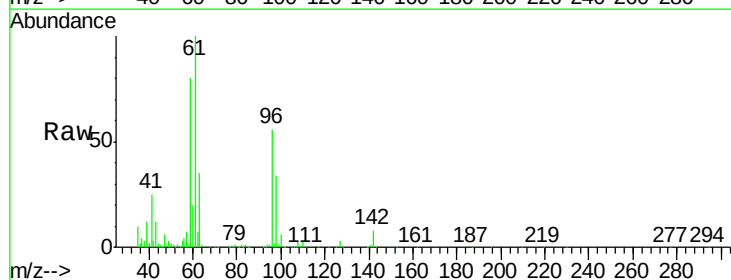
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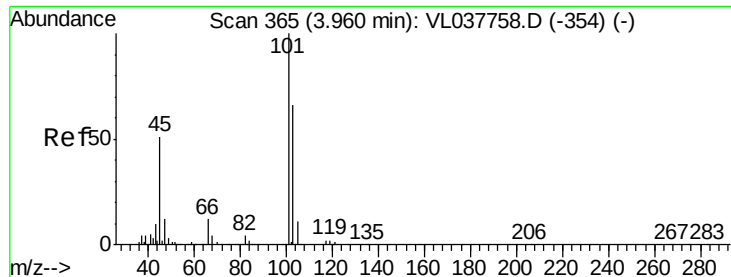
MMDadoda
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#18
1,1-Dichloroethene
Concen: 8.862 ppbv
RT: 4.27 min Scan# 461
Delta R.T. -0.02 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion: 96 Resp: 548191
Ion Ratio Lower Upper
96 100
61 177.3 146.2 219.4
98 61.1 50.0 75.0





#19

Isopropyl Alcohol

Concen: 9.544 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.02 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 45 Resp: 671946

Ion Ratio Lower Upper

45 100

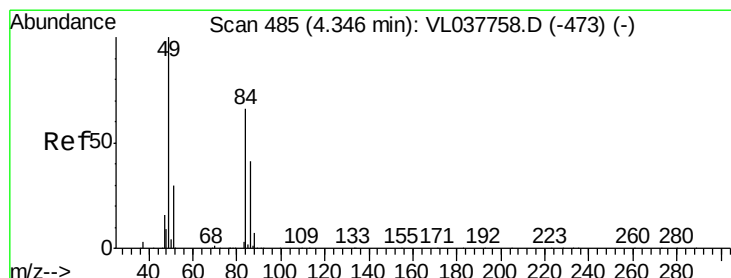
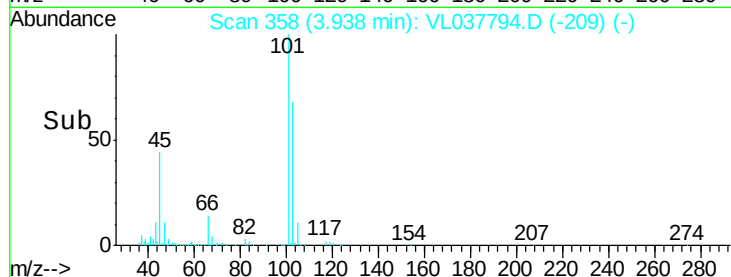
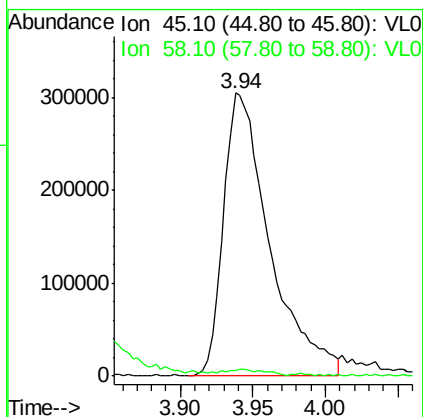
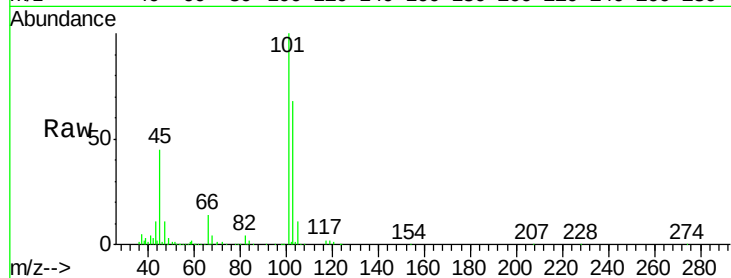
58 2.5 1.1 1.7#

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#20

Methylene Chloride

Concen: 7.989 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.03 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Tgt Ion: 84 Resp: 456829

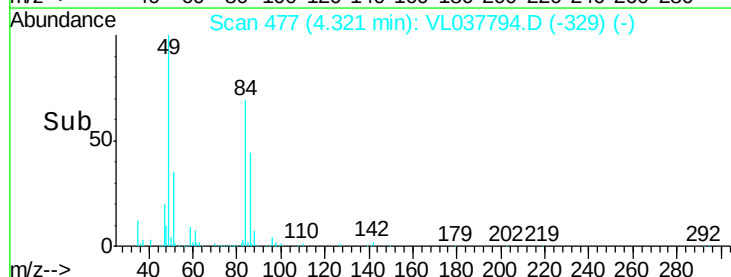
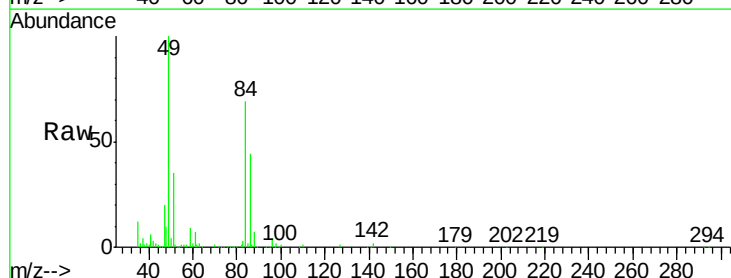
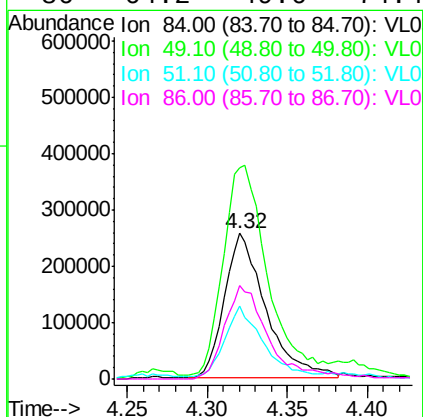
Ion Ratio Lower Upper

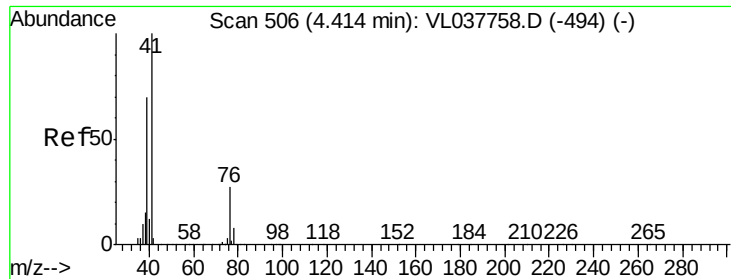
84 100

49 142.5 120.7 181.1

51 48.7 36.2 54.4

86 64.2 49.6 74.4





#21

Allyl Chloride

Concen: 7.723 ppbv

RT: 4.39 min Scan# 498

Delta R.T. -0.03 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

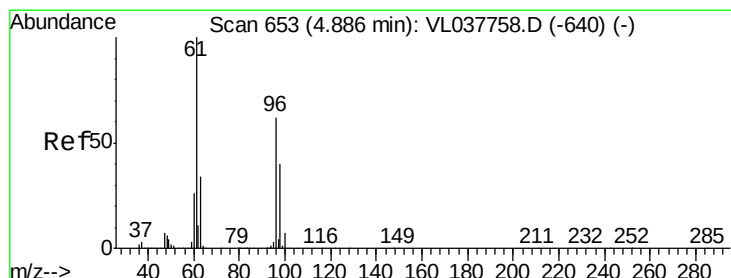
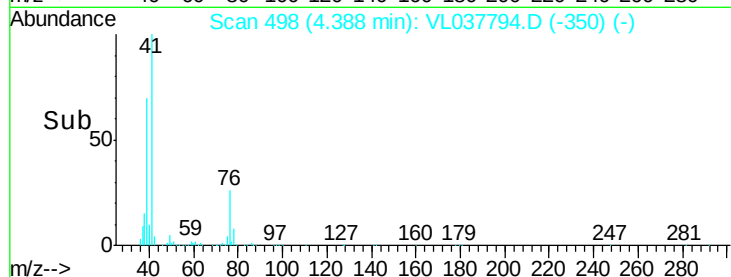
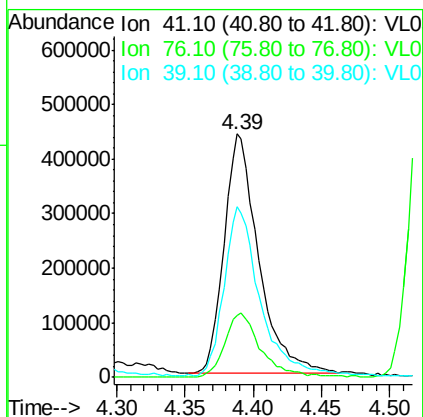
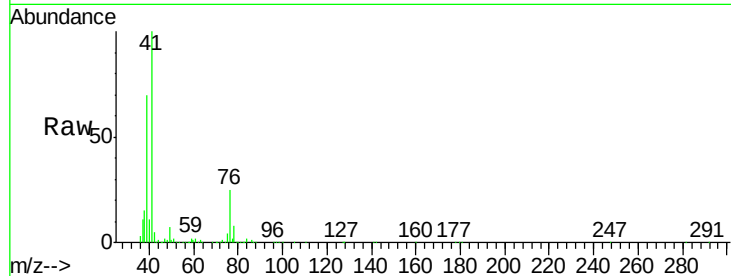
ClientSampleId :

VSTDCCC010EC

Tgt Ion:	41	Resp:	774275
Ion Ratio		Lower	Upper
41	100		
76	28.2	22.4	33.6
39	74.3	58.0	87.0

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#22

trans-1,2-Dichloroethene

Concen: 9.348 ppbv

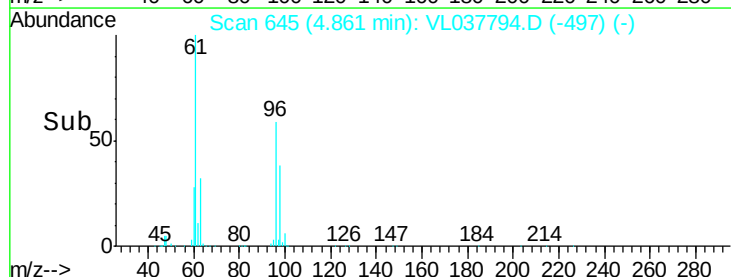
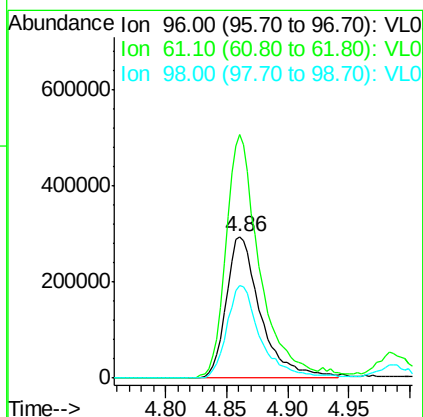
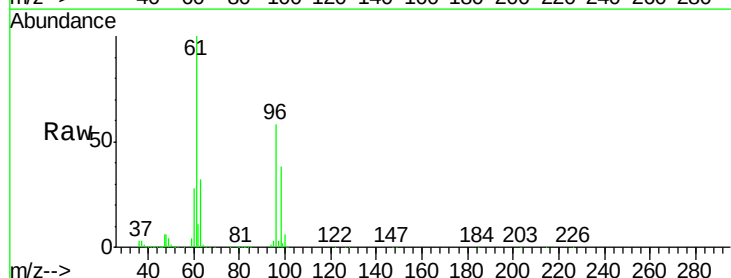
RT: 4.86 min Scan# 645

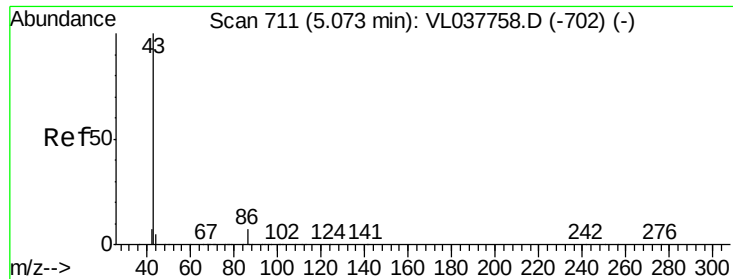
Delta R.T. -0.03 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Tgt Ion:	96	Resp:	581351
Ion Ratio		Lower	Upper
96	100		
61	171.8	129.0	193.6
98	65.4	51.7	77.5





#23

Vinyl Acetate

Concen: 8.136 ppbv

RT: 5.05 min Scan# 703

Delta R.T. -0.03 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1379793

Ion Ratio Lower Upper

43 100

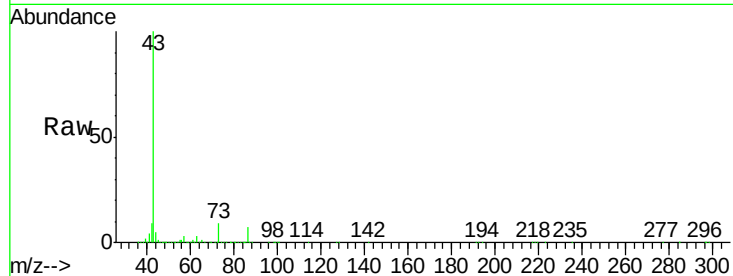
86 6.7 5.0 7.4

42 8.7 7.4 11.0

44 4.5 3.8 5.6

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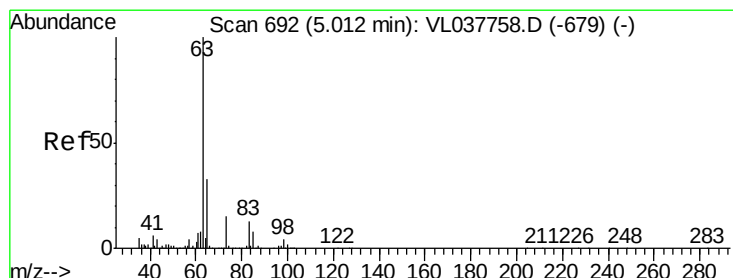
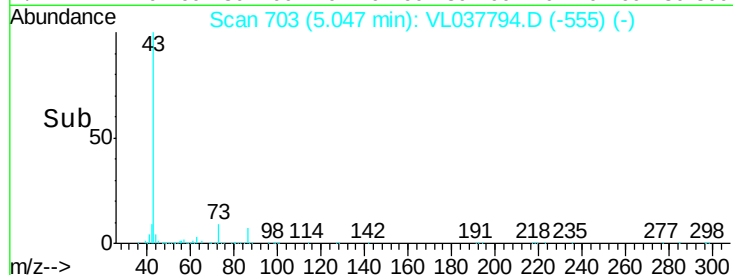
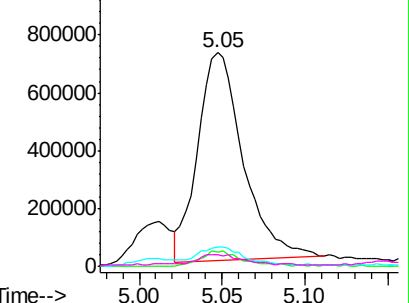


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.647 ppbv

RT: 4.99 min Scan# 684

Delta R.T. -0.03 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

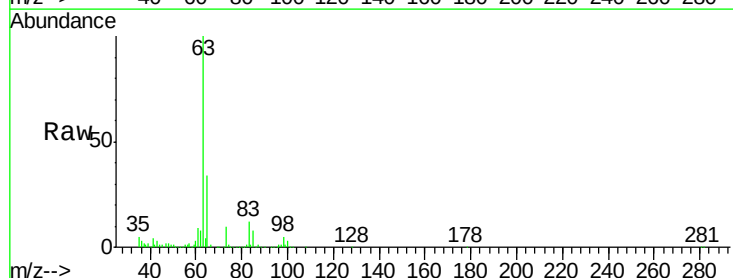
Tgt Ion: 63 Resp: 1190935

Ion Ratio Lower Upper

63 100

98 4.5 2.3 6.9

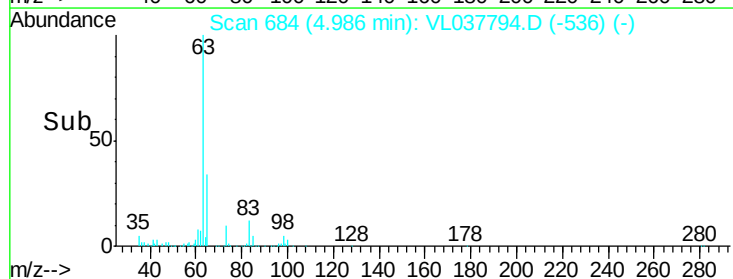
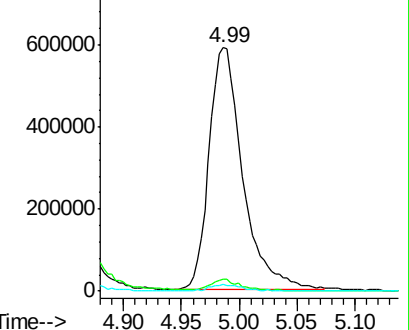
100 2.7 1.1 3.1

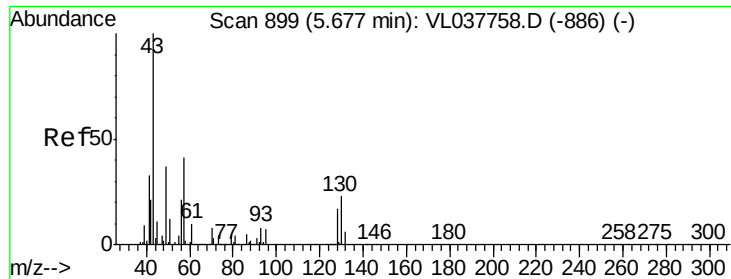


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





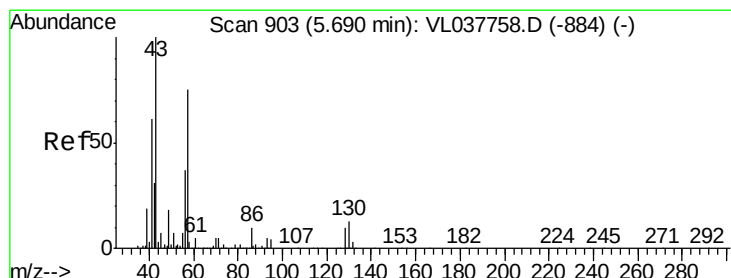
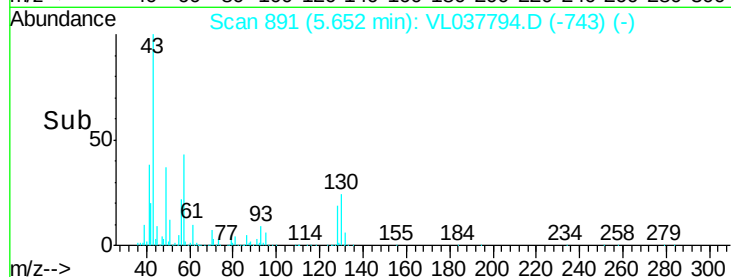
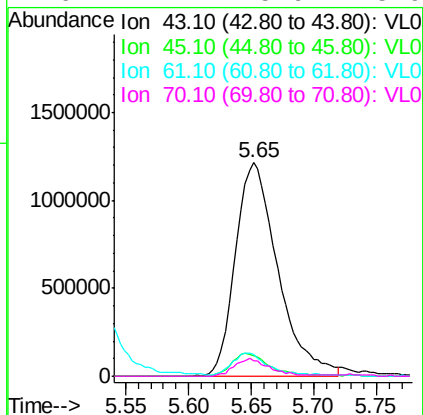
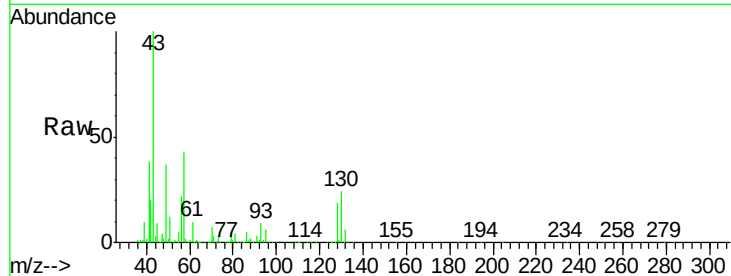
#25
Ethyl Acetate
Concen: 8.988 ppbv
RT: 5.65 min Scan# 891
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
43	100		
45	10.0	8.1	12.1
61	9.7	7.5	11.3
70	7.1	5.9	8.9

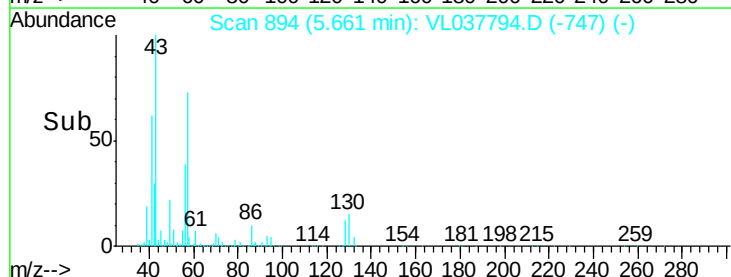
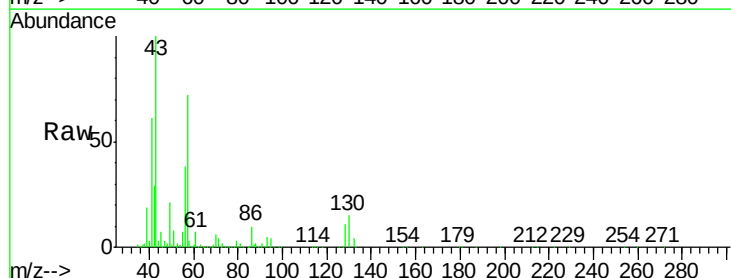
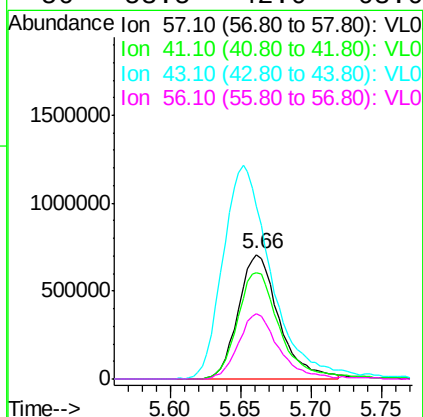
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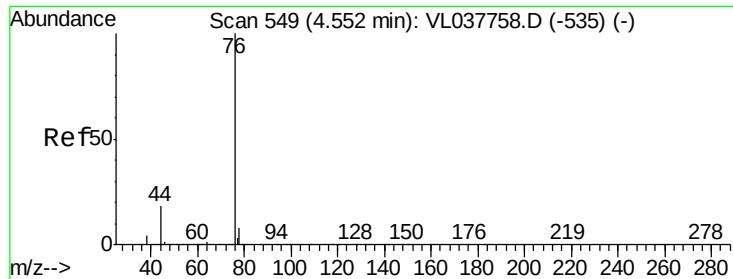
MMDadoda
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#26
Hexane
Concen: 9.104 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion	Ratio	Lower	Upper
57	100		
41	91.2	69.6	104.4
43	206.4	171.4	257.0
56	53.5	42.0	63.0





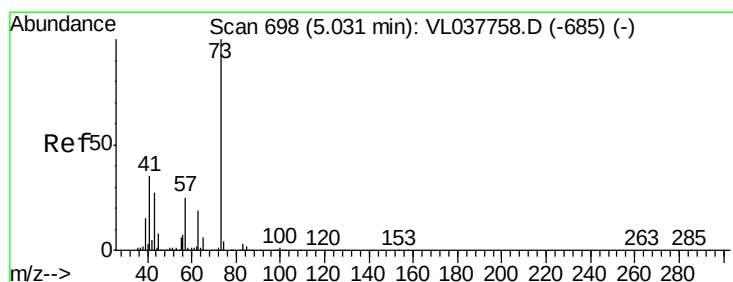
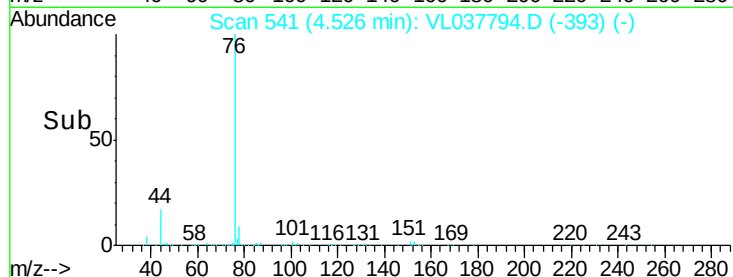
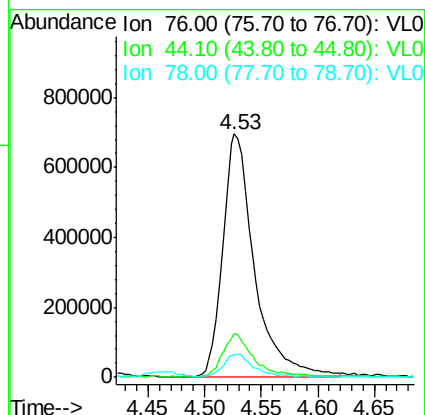
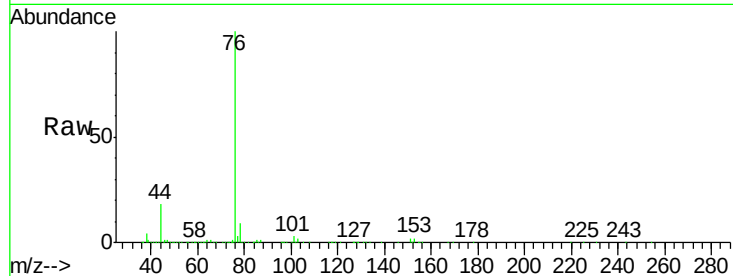
#27
Carbon Disulfide
Concen: 9.800 ppbv
RT: 4.53 min Scan# 541
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 76 Resp: 1358087
Ion Ratio Lower Upper
76 100
44 17.6 14.3 21.5
78 9.5 7.8 11.6

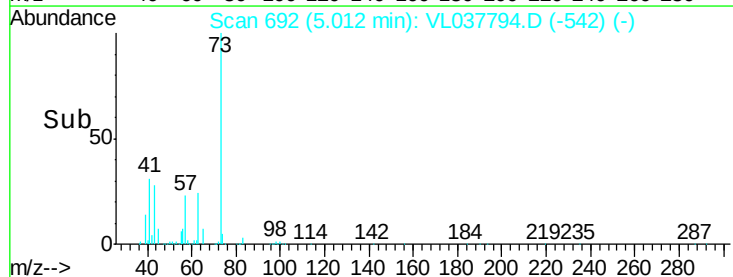
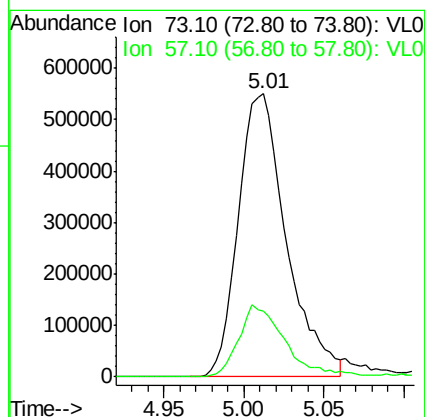
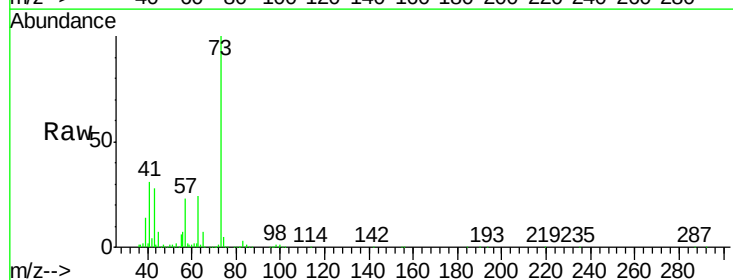
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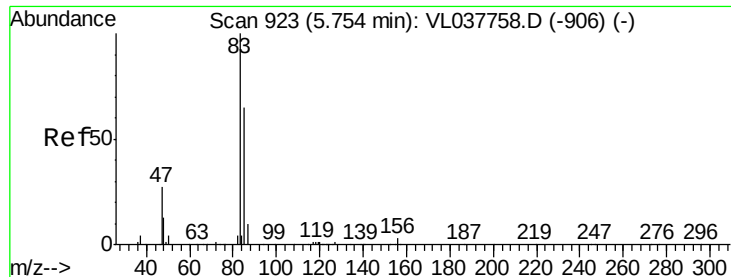
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#28
Methyl tert-Butyl Ether
Concen: 8.684 ppbv
RT: 5.01 min Scan# 692
Delta R.T. -0.02 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion: 73 Resp: 1130628
Ion Ratio Lower Upper
73 100
57 25.0 20.4 30.6





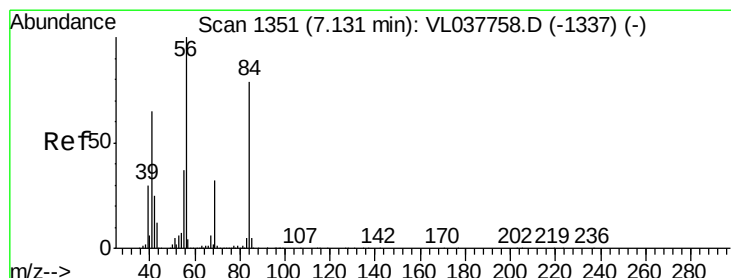
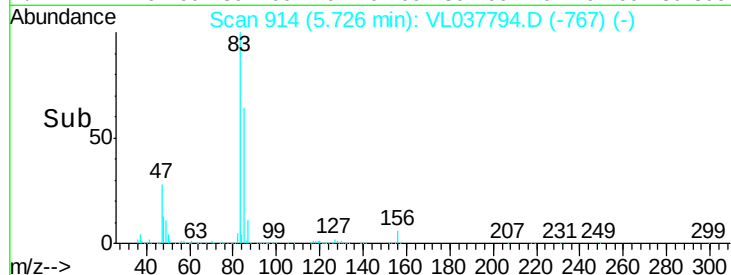
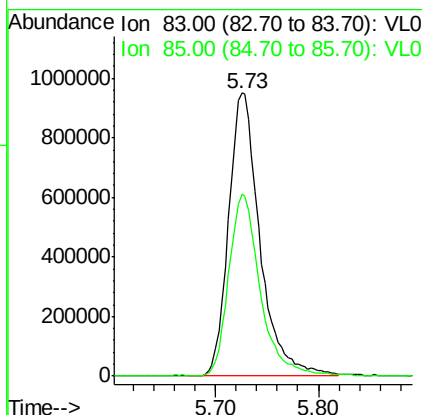
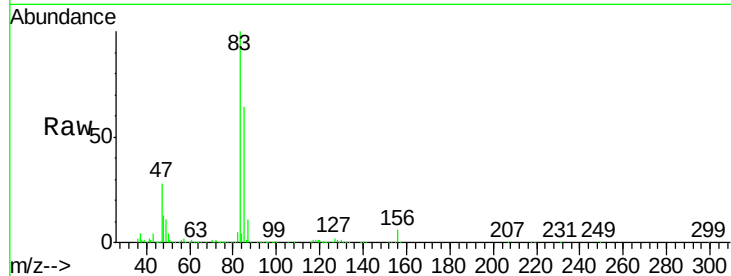
#29
Chloroform
Concen: 9.031 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 83 Resp: 2018540
Ion Ratio Lower Upper
83 100
85 64.0 51.8 77.8

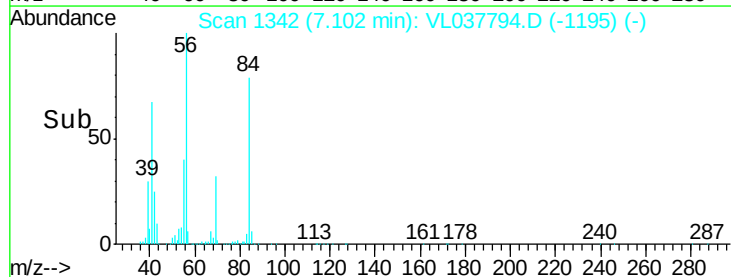
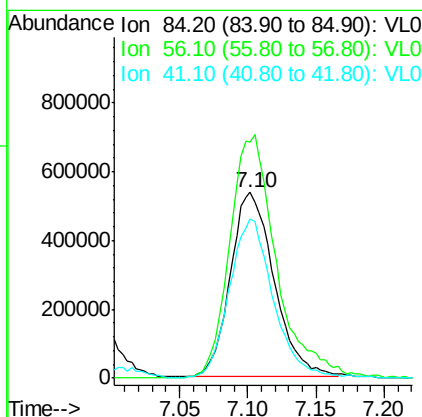
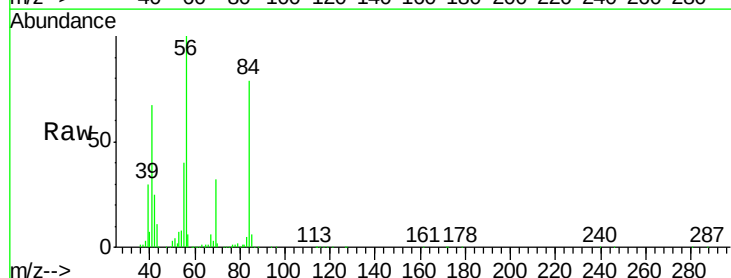
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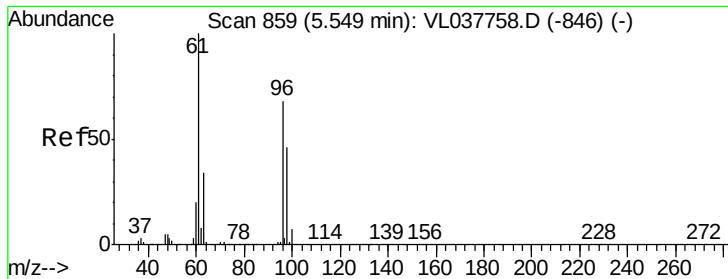
MMDadoda
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#30
Cyclohexane
Concen: 9.038 ppbv
RT: 7.10 min Scan# 1342
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion: 84 Resp: 1198377
Ion Ratio Lower Upper
84 100
56 141.3 113.0 169.4
41 86.6 69.1 103.7





#31

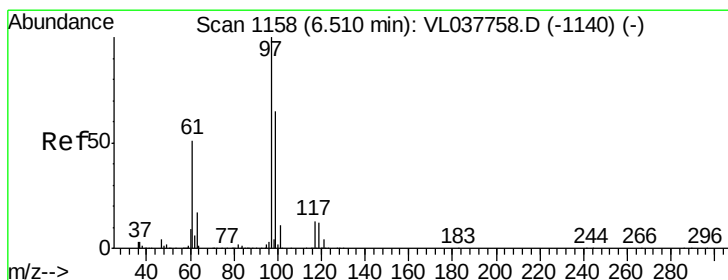
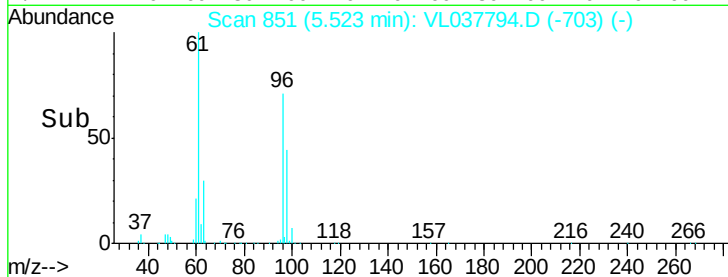
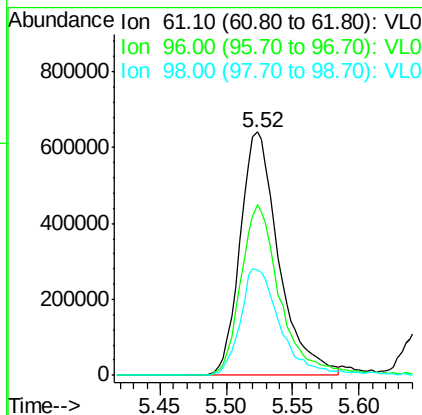
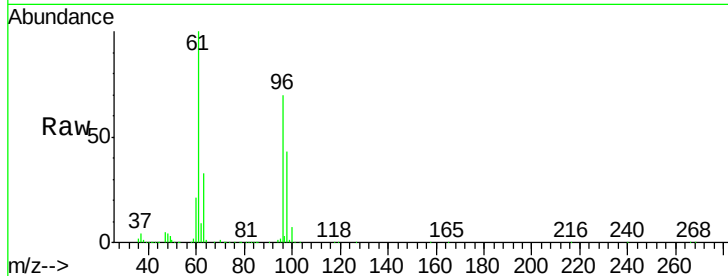
cis-1,2-Dichloroethene
Concen: 9.130 ppbv
RT: 5.52 min Scan# 851
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
61	100		
96	70.2	54.2	81.2
98	43.5	36.6	54.8

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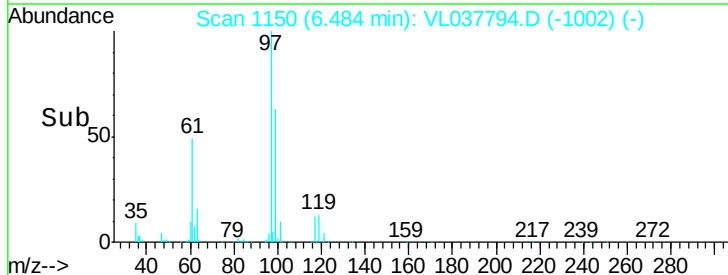
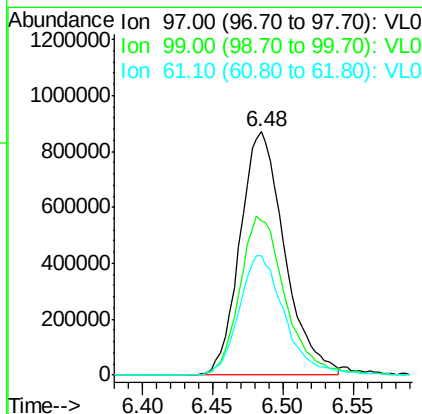
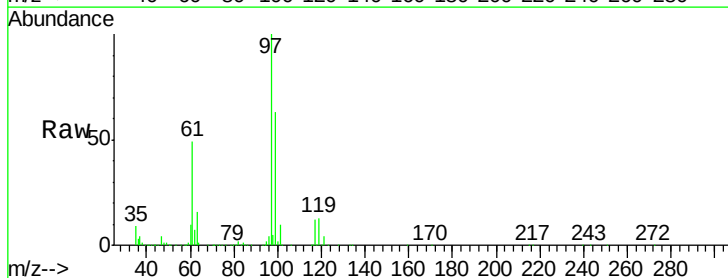
MMDadoda
10/11/2021 7:36:53 PM

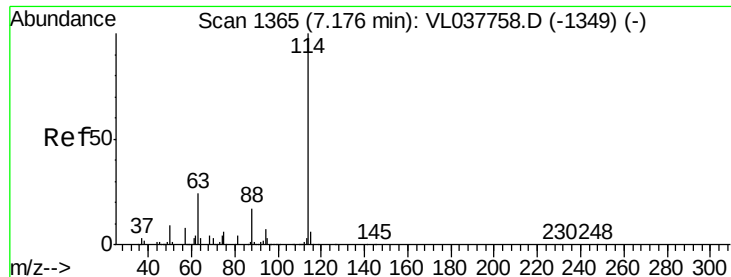


#32

1,1,1-Trichloroethane
Concen: 9.122 ppbv
RT: 6.48 min Scan# 1150
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion	Ratio	Lower	Upper
97	100		
99	66.4	52.6	78.8
61	50.0	40.2	60.4





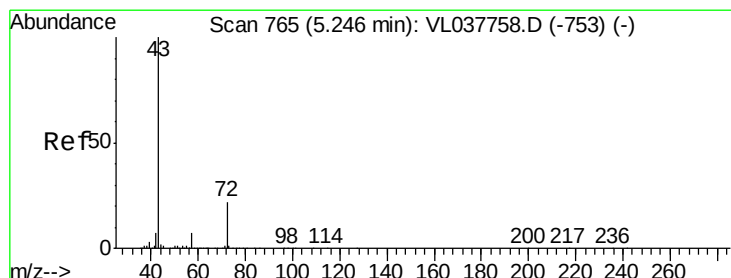
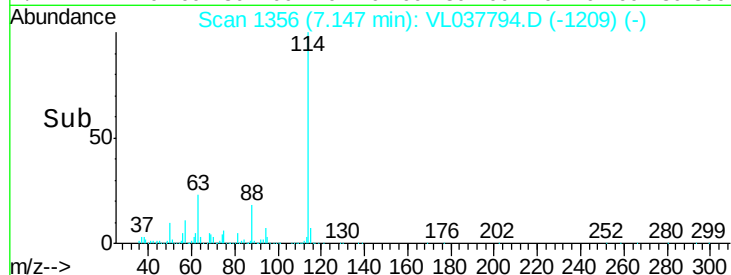
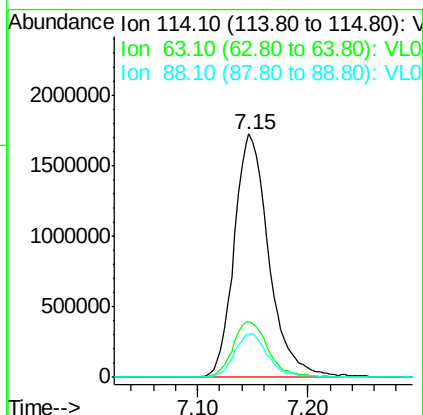
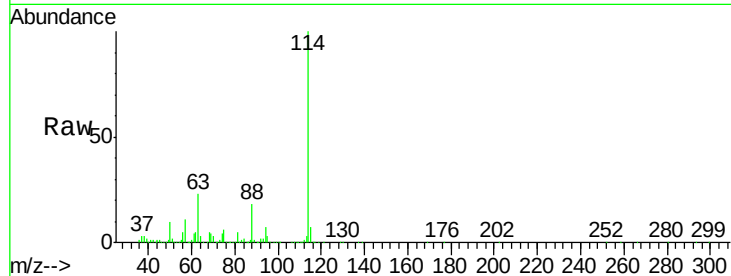
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.03 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 114 Resp: 3758821
 Ion Ratio Lower Upper
 114 100
 63 23.9 19.4 29.2
 88 17.7 14.4 21.6

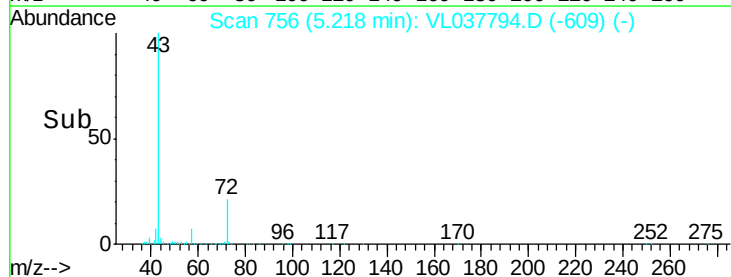
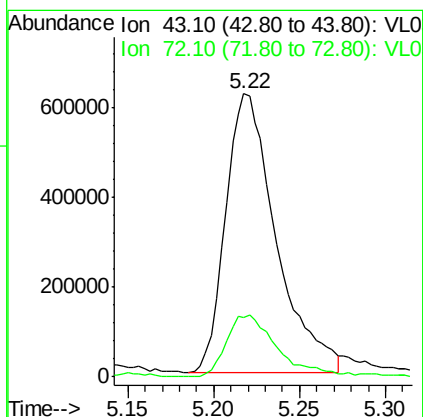
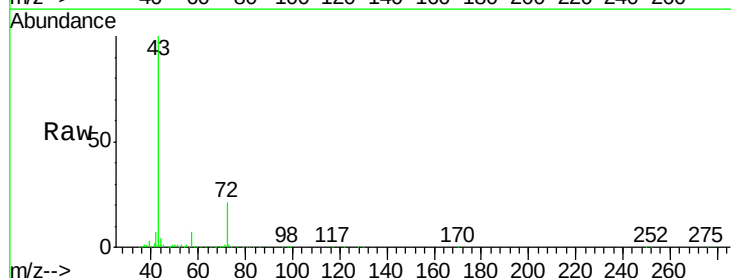
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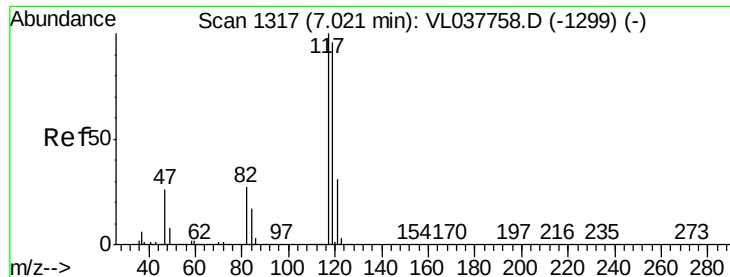
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#34
 2-Butanone
 Concen: 8.344 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.03 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Tgt Ion: 43 Resp: 1266162
 Ion Ratio Lower Upper
 43 100
 72 23.5 18.2 27.2





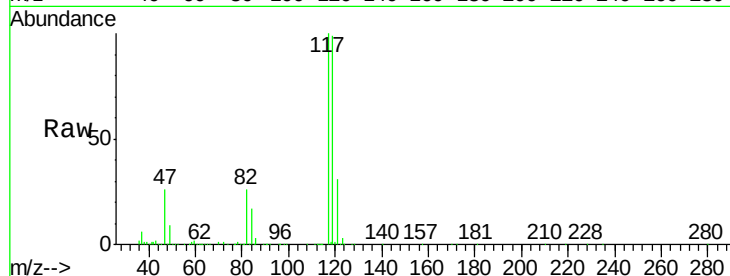
#35
Carbon Tetrachloride
Concen: 9.313 ppbv
RT: 6.99 min Scan# 1307
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

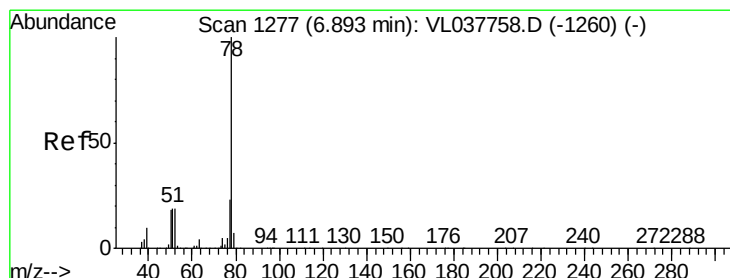
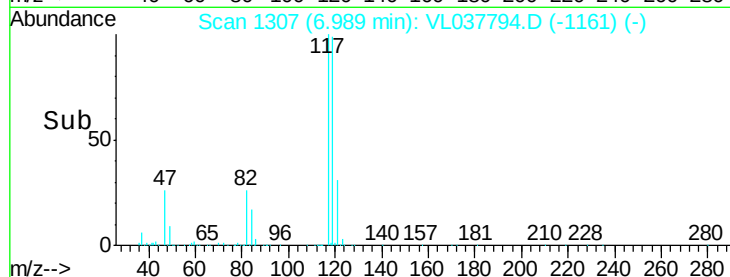
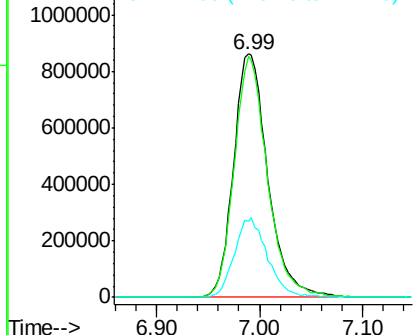
Tgt Ion	Ratio	Lower	Upper
117	100		
119	99.0	76.5	114.7
121	31.2	24.9	37.3

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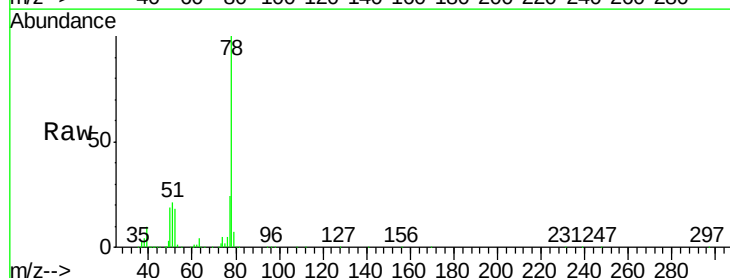


Abundance Ion 117.00 (116.70 to 117.70): V
Ion 119.00 (118.70 to 119.70): V
Ion 121.00 (120.70 to 121.70): V

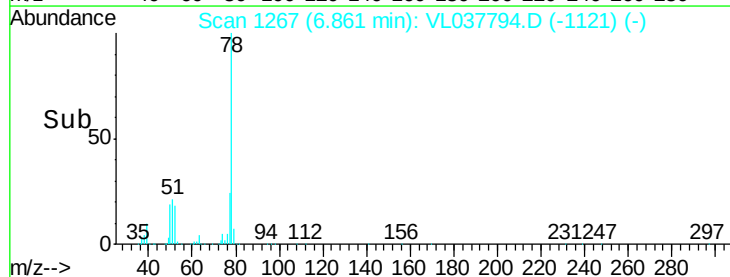
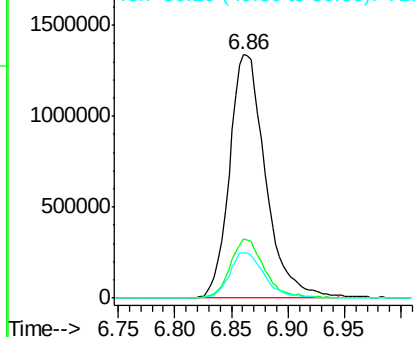


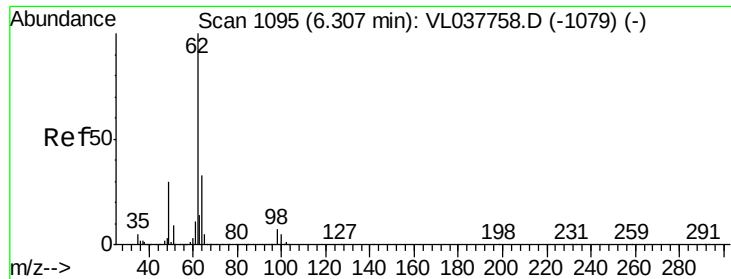
#36
Benzene
Concen: 9.203 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.2	18.8	28.2
50	18.8	14.7	22.1



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





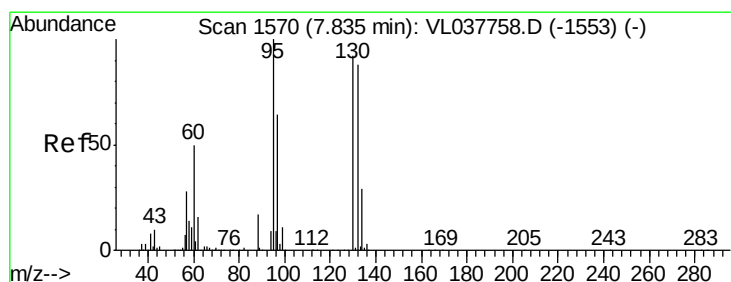
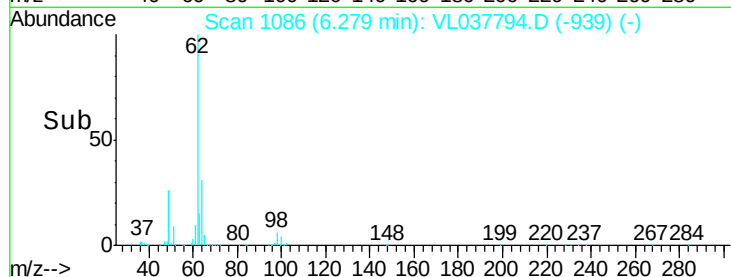
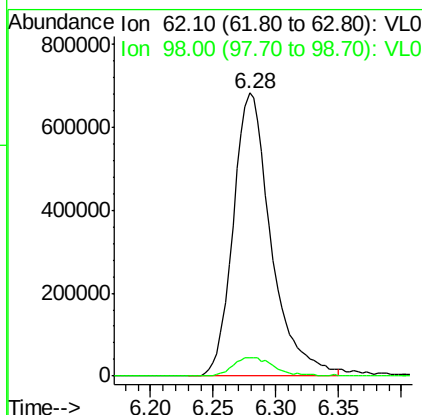
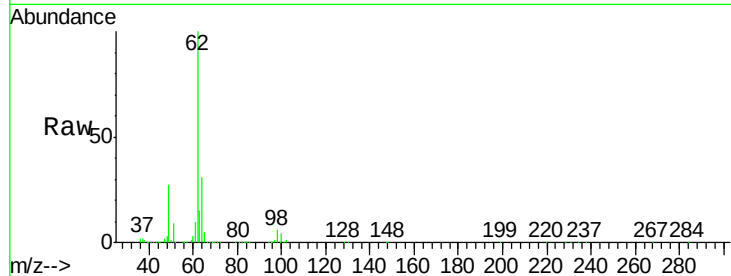
#37
1,2-Dichloroethane
Concen: 9.481 ppbv
RT: 6.28 min Scan# 1086
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 62 Resp: 1433299
Ion Ratio Lower Upper
62 100
98 7.4 6.1 9.1

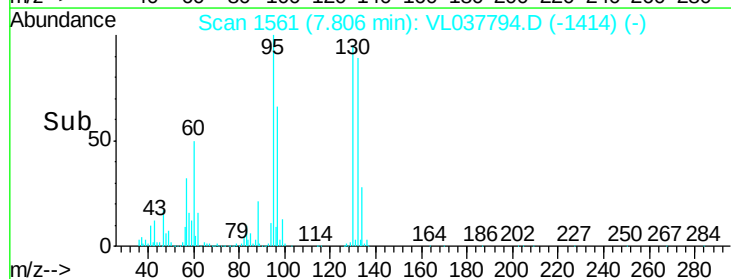
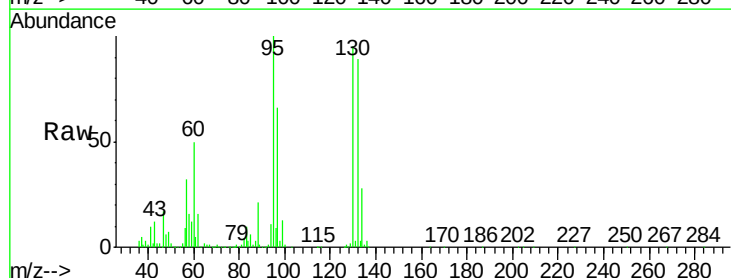
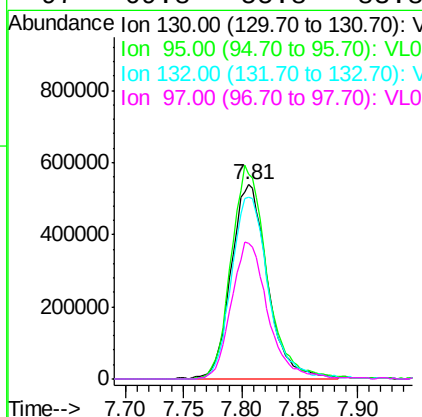
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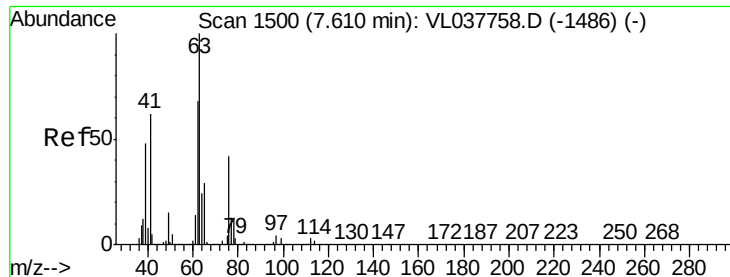
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#38
Trichloroethene
Concen: 9.279 ppbv
RT: 7.81 min Scan# 1561
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion: 130 Resp: 1176878
Ion Ratio Lower Upper
130 100
95 105.2 87.4 131.0
132 93.3 76.8 115.2
97 69.8 55.8 83.8





#39

1,2-Dichloropropane

Concen: 9.564 ppbv

RT: 7.58 min Scan# 1491

Delta R.T. -0.03 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 63 Resp: 1154930

Ion Ratio Lower Upper

63 100

41 65.3 49.8 74.6

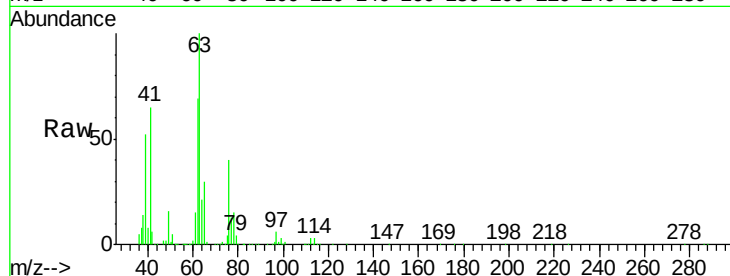
62 69.0 54.6 82.0

Manual Integrations

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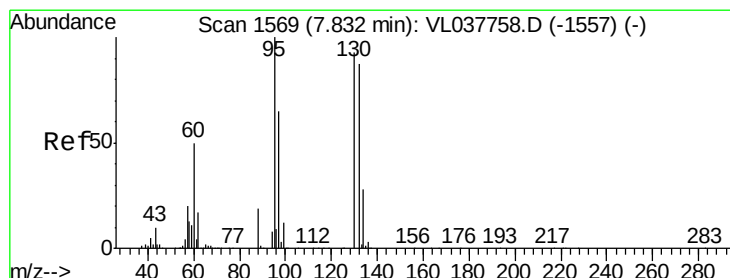
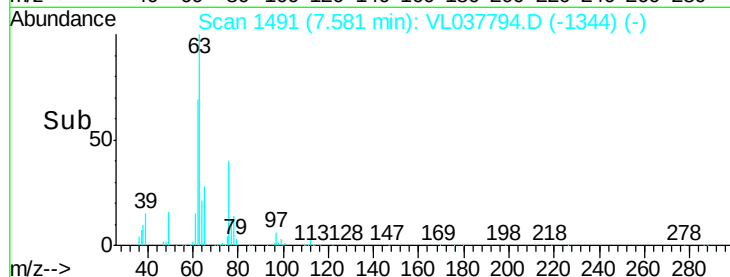
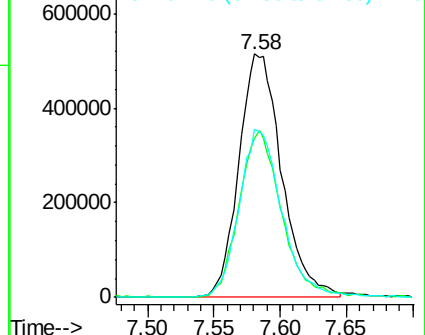
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Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.939 ppbv

RT: 7.81 min Scan# 1561

Delta R.T. -0.03 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Tgt Ion: 88 Resp: 270133

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

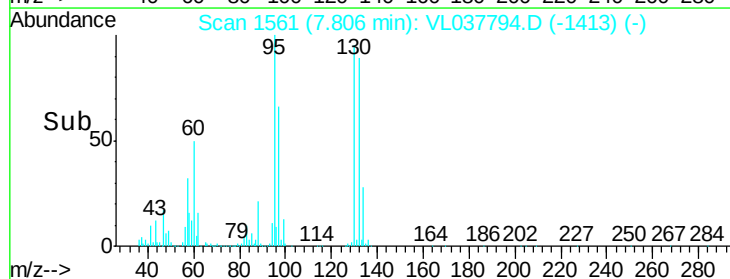
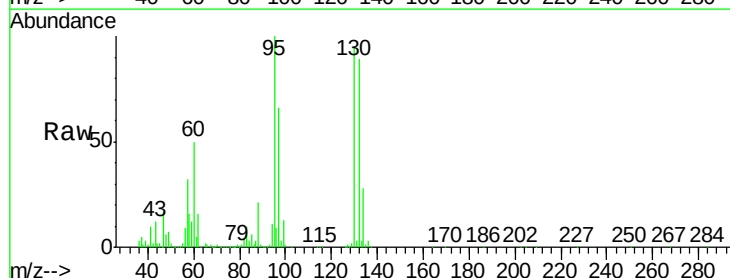
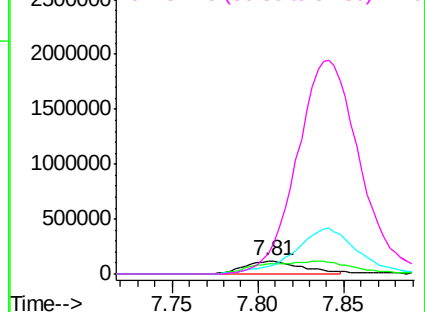
57 0.0 0.0 0.0

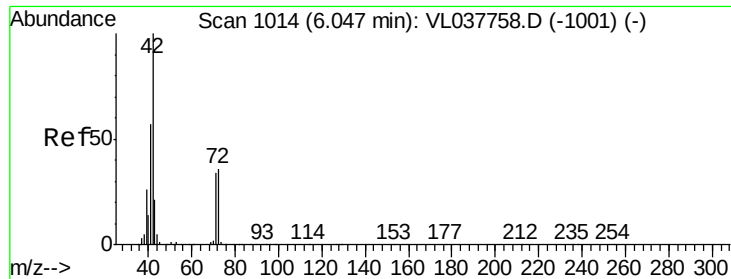
Abundance Ion 88.10 (87.80 to 88.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





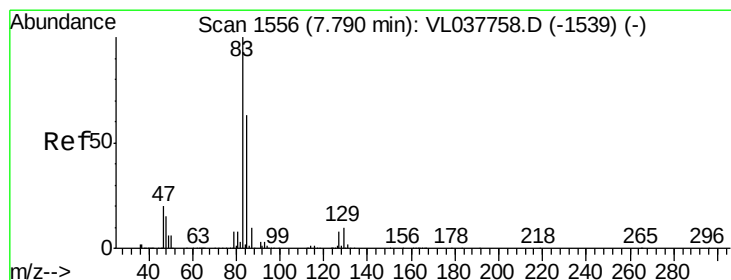
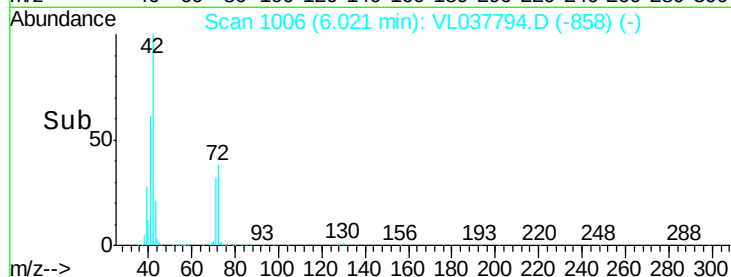
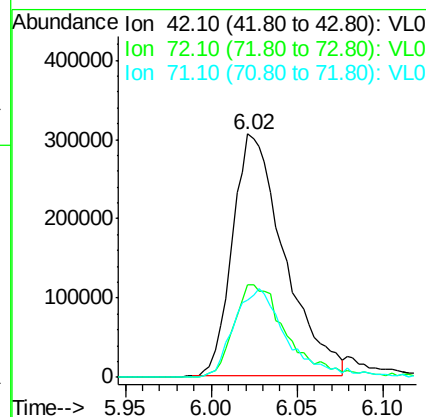
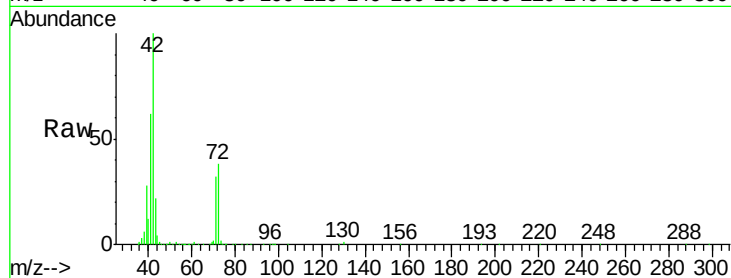
#41
Tetrahydrofuran
Concen: 8.655 ppbv
RT: 6.02 min Scan# 1006
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.4	31.9	47.9
71	37.8	30.3	45.5

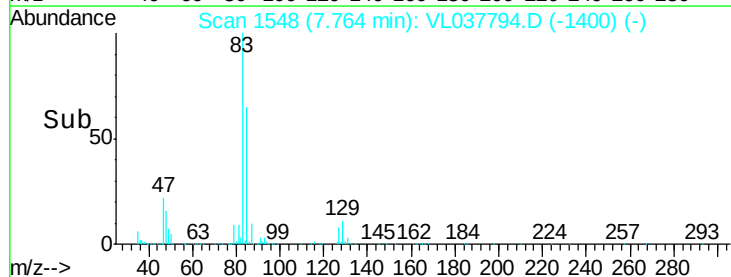
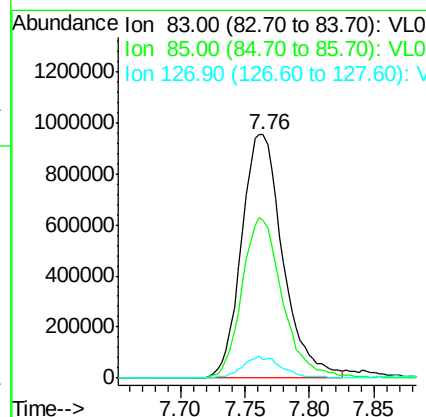
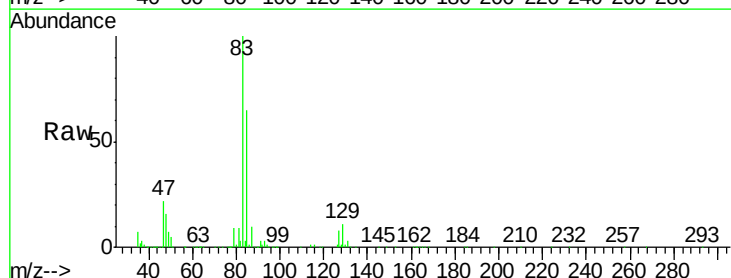
Manual Integrations
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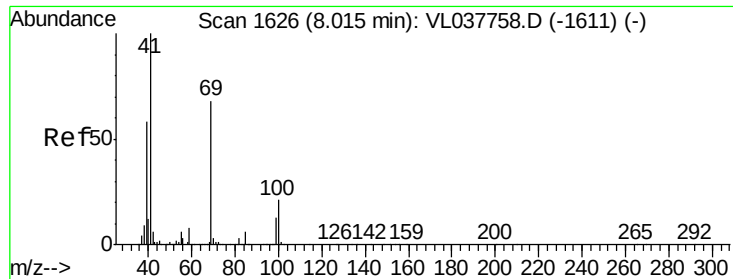
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#42
Bromodichloromethane
Concen: 9.611 ppbv
RT: 7.76 min Scan# 1548
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	64.9	50.6	75.8
127	7.6	6.2	9.4





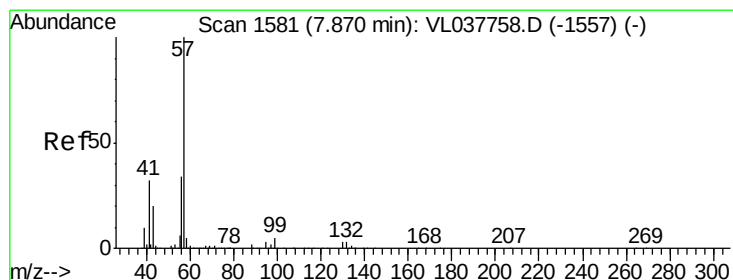
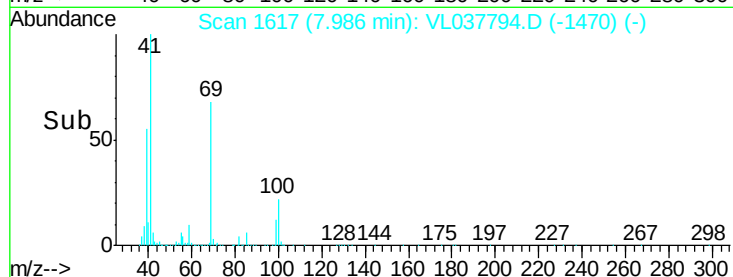
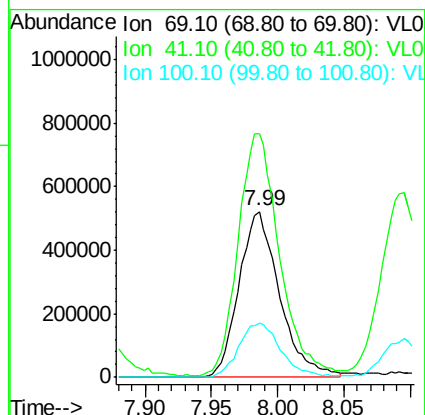
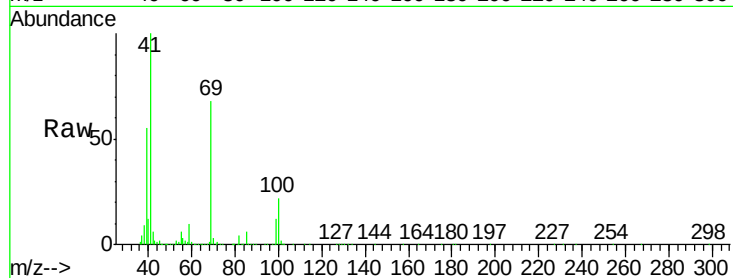
#43
Methyl Methacrylate
Concen: 10.577 ppbv
RT: 7.99 min Scan# 1617
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 69 Resp: 1109126
Ion Ratio Lower Upper
69 100
41 150.2 121.0 181.4
100 34.3 27.7 41.5

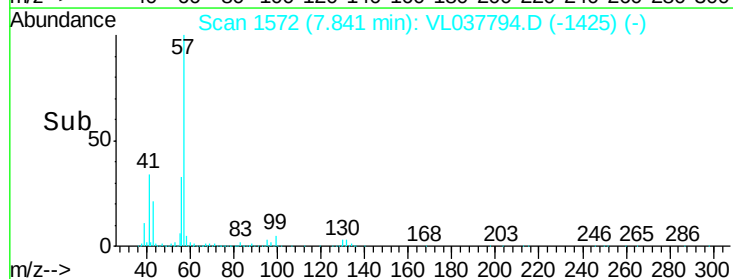
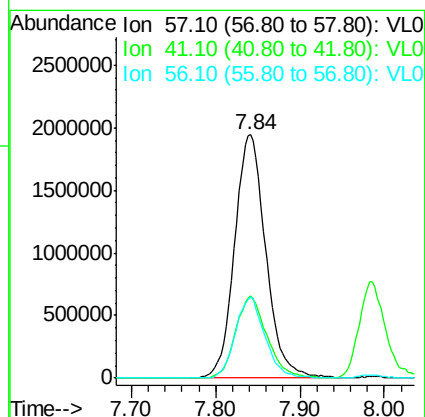
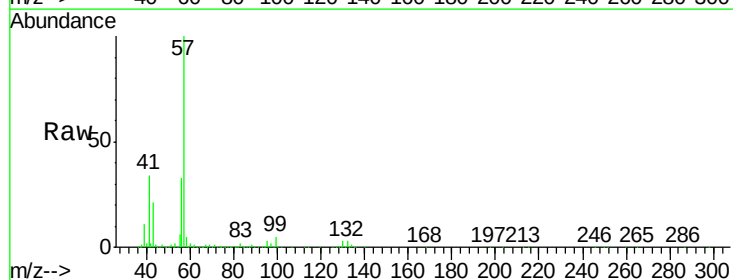
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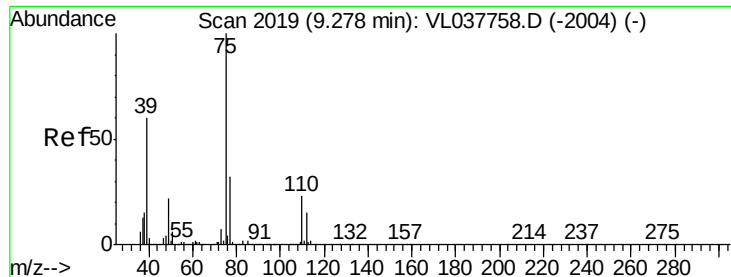
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#44
2,2,4-Trimethylpentane
Concen: 9.273 ppbv
RT: 7.84 min Scan# 1572
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion: 57 Resp: 5001914
Ion Ratio Lower Upper
57 100
41 34.1 25.6 38.4
56 31.7 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 5.760 ppbv

RT: 9.25 min Scan# 2010

Delta R.T. -0.03 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 75 Resp: 415622

Ion Ratio Lower Upper

75 100

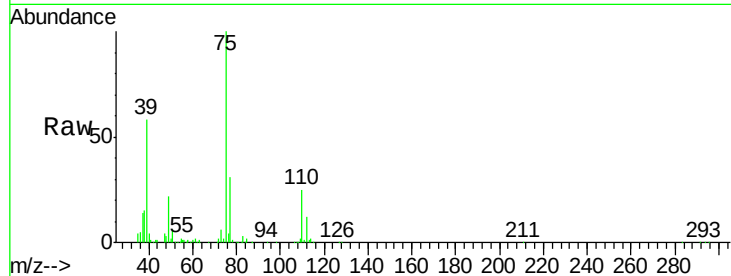
77 31.1 25.2 37.8

Manual Integrations

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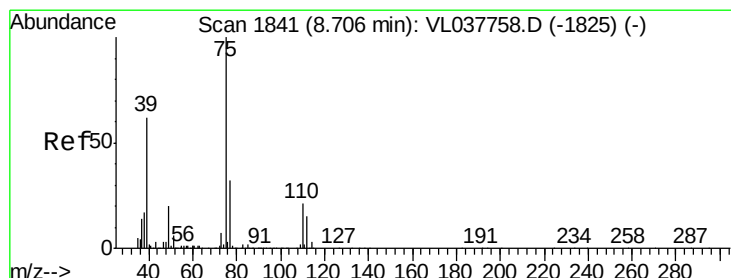
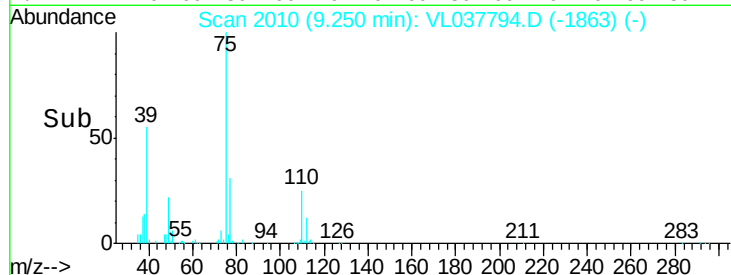
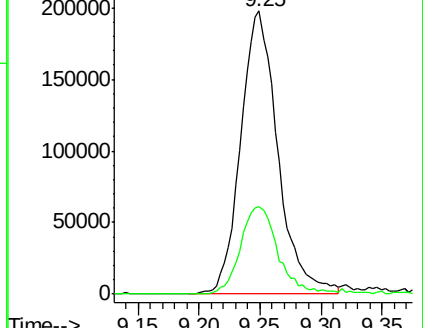
MMDadoda

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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: 6.700 ppbv

RT: 8.67 min Scan# 1830

Delta R.T. -0.04 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

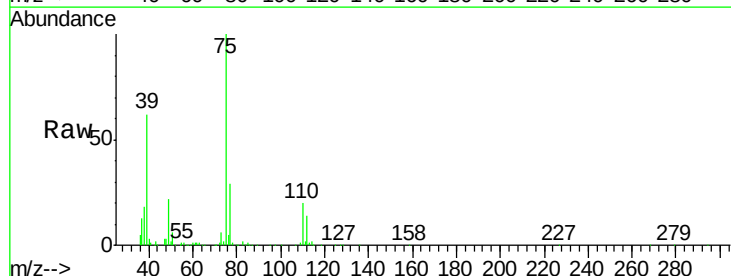
Tgt Ion: 75 Resp: 670060

Ion Ratio Lower Upper

75 100

39 61.4 49.9 74.9

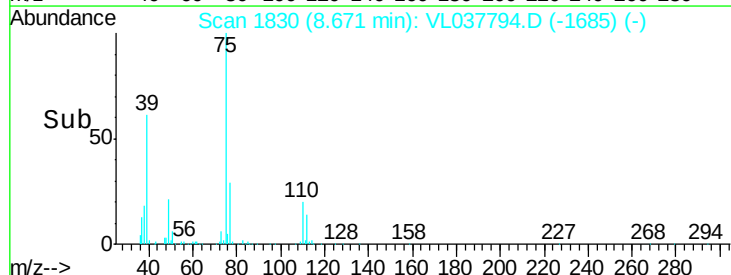
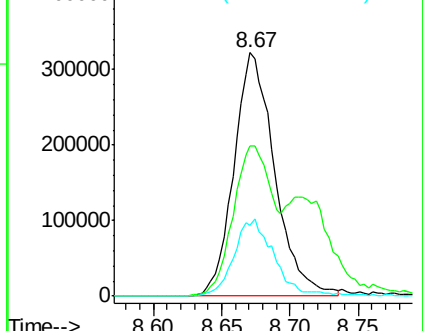
77 28.8 25.9 38.9

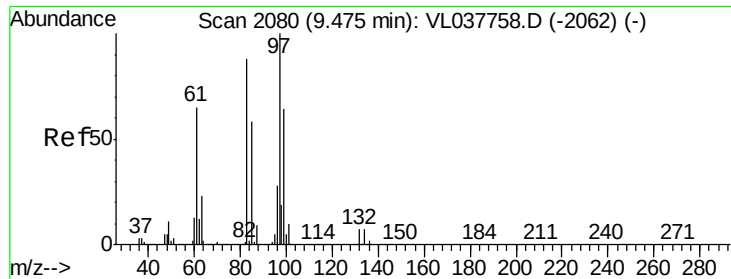


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0





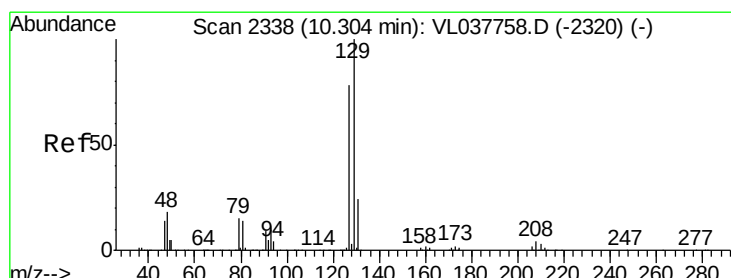
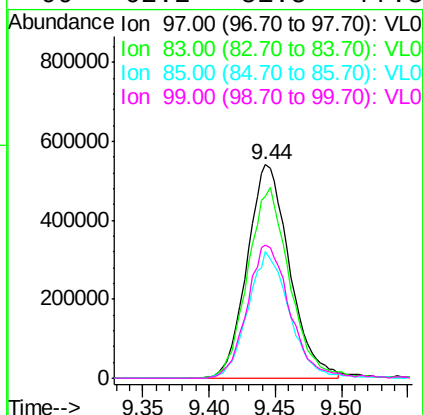
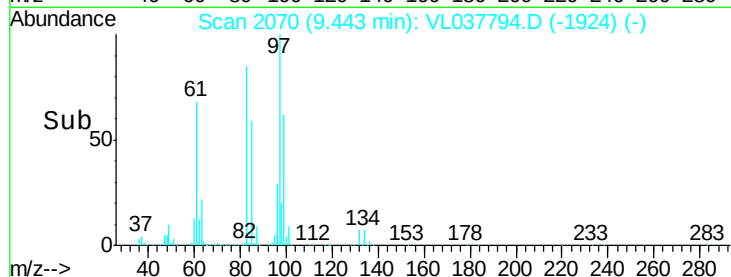
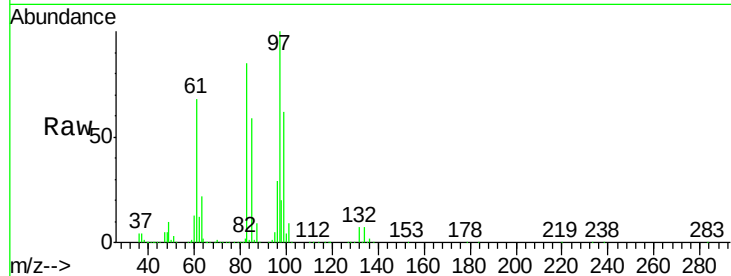
#47
 1,1,2-Trichloroethane
 Concen: 9.150 ppbv
 RT: 9.44 min Scan# 2070
 Delta R.T. -0.03 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.0	70.6	105.8
85	59.5	45.9	68.9
99	62.2	51.5	77.3

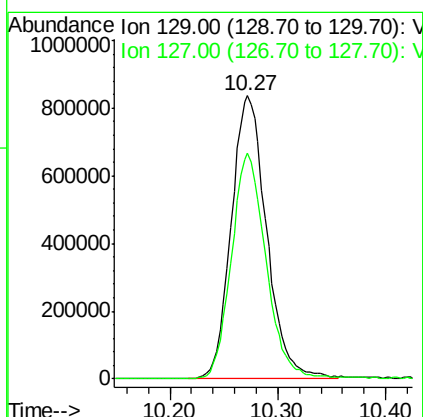
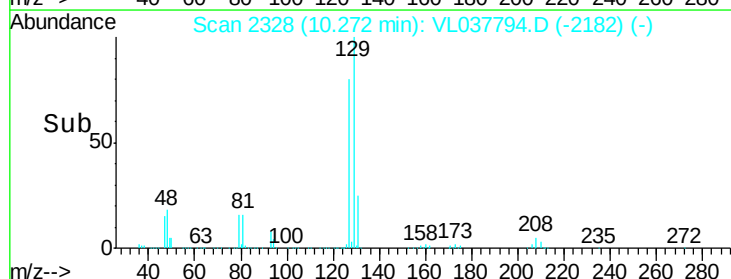
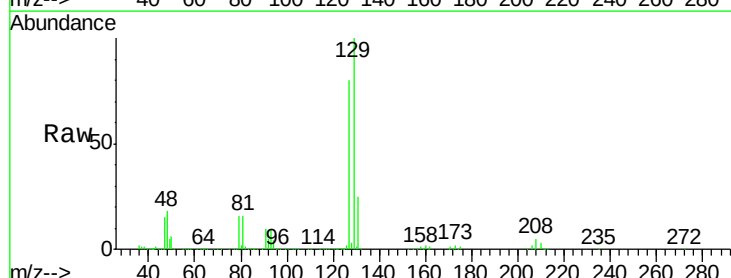
Manual Integrations
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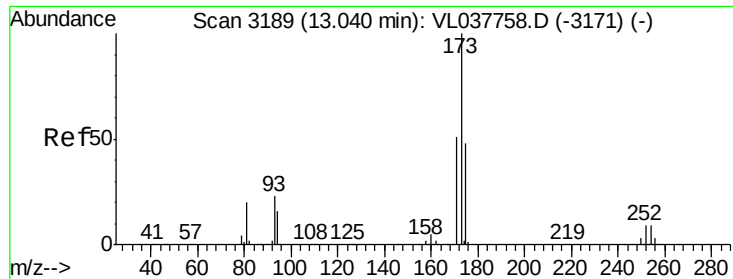
MMDadoda
 10/11/2021 7:36:53 PM



#48
 Dibromochloromethane
 Concen: 10.173 ppbv
 RT: 10.27 min Scan# 2328
 Delta R.T. -0.03 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Tgt Ion	Ratio	Lower	Upper
129	100		
127	79.2	39.5	118.5





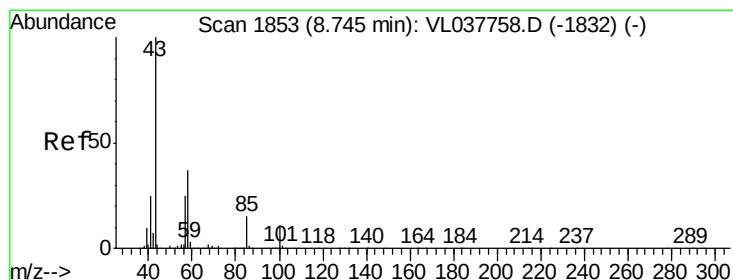
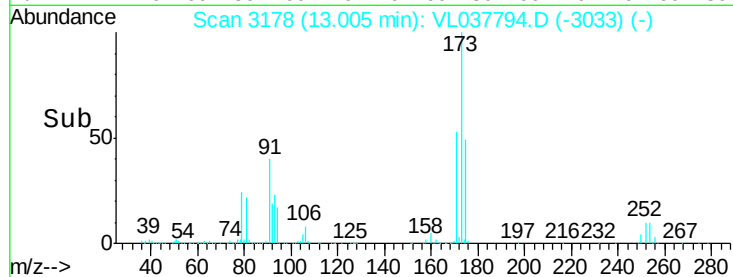
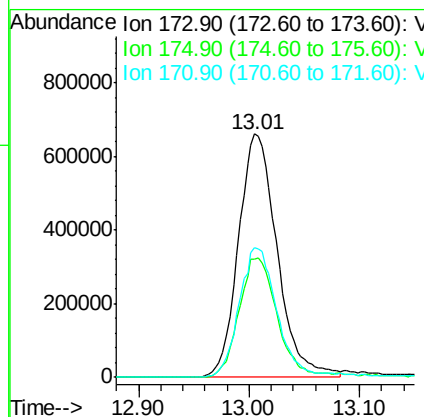
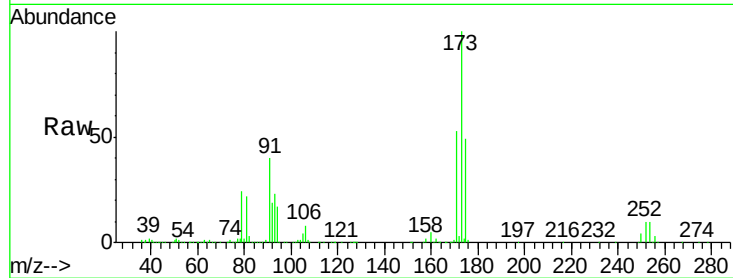
#49
Bromoform
Concen: 11.220 ppbv
RT: 13.01 min Scan# 3178
Delta R.T. -0.04 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:173 Resp: 1606644
Ion Ratio Lower Upper
173 100
175 50.2 39.9 59.9
171 53.2 43.4 65.2

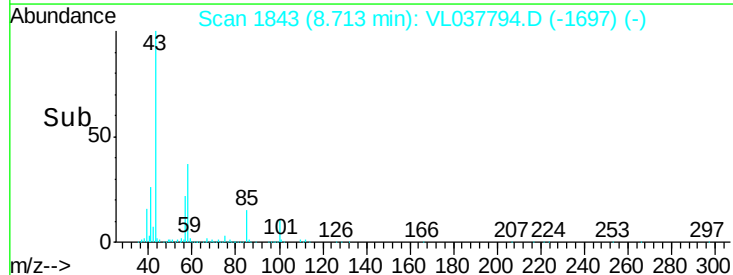
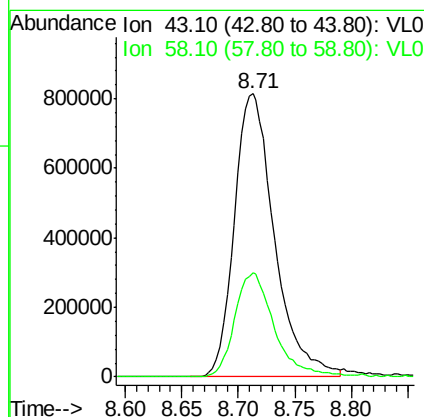
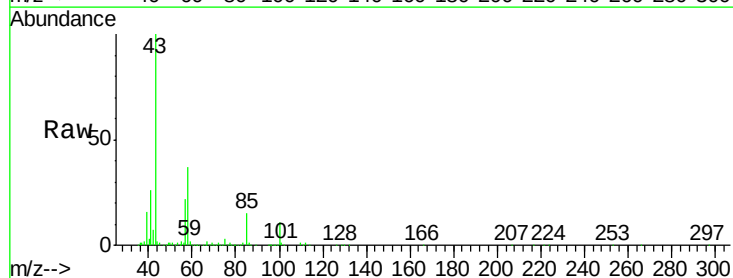
Manual Integrations
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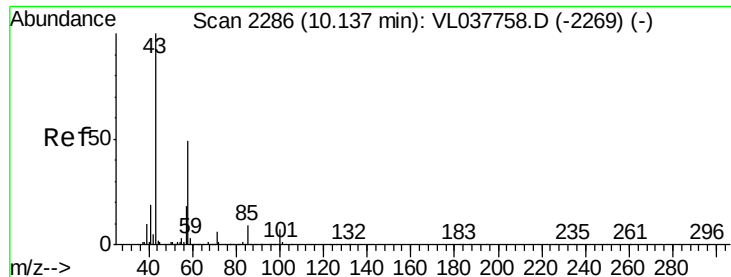
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#50
4-Methyl-2-Pentanone
Concen: 10.170 ppbv
RT: 8.71 min Scan# 1843
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion: 43 Resp: 2009049
Ion Ratio Lower Upper
43 100
58 36.5 29.4 44.0





#51

2-Hexanone

Concen: 11.599 ppbv

RT: 10.10 min Scan# 2276

Delta R.T. -0.03 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 1022891

Ion Ratio Lower Upper

43 100

58 50.8 39.4 59.0

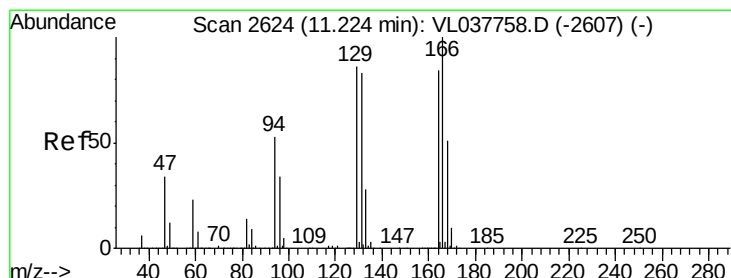
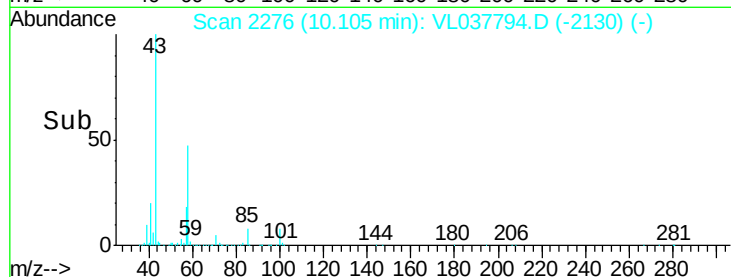
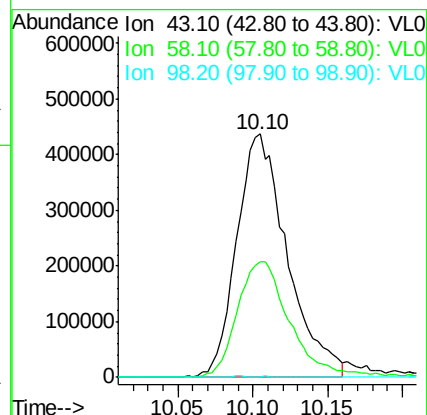
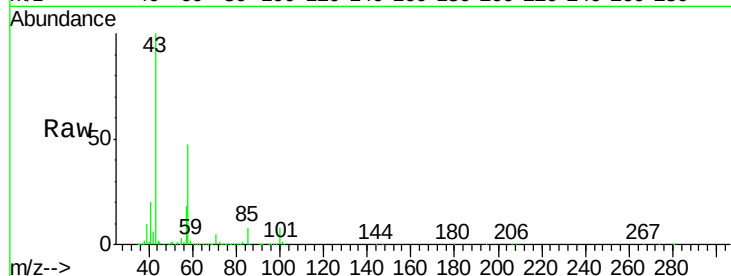
98 0.6 0.3 0.5#

Manual Integrations

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#52

Tetrachloroethene

Concen: 8.764 ppbv

RT: 11.19 min Scan# 2614

Delta R.T. -0.03 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Tgt Ion: 164 Resp: 1094745

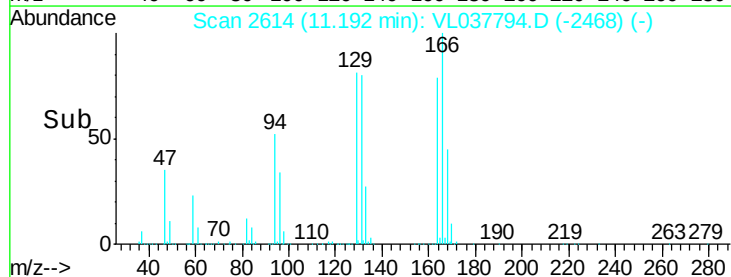
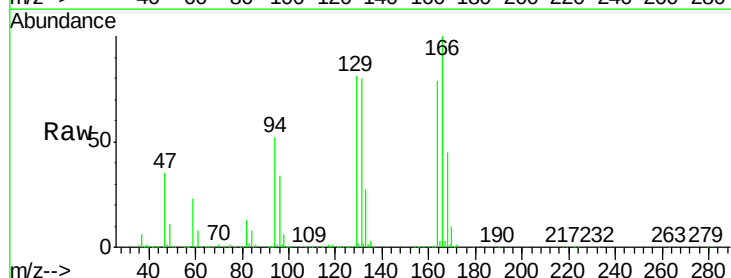
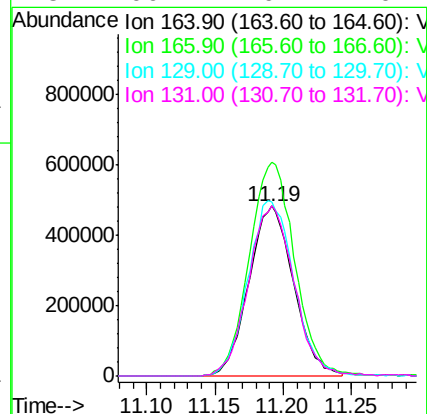
Ion Ratio Lower Upper

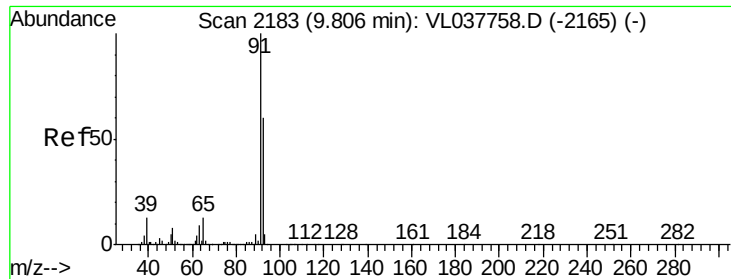
164 100

166 125.8 95.4 143.2

129 102.2 82.2 123.4

131 100.2 79.4 119.2





#53

Toluene

Concen: 9.647 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.03 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 3432292

Ion Ratio Lower Upper

91 100

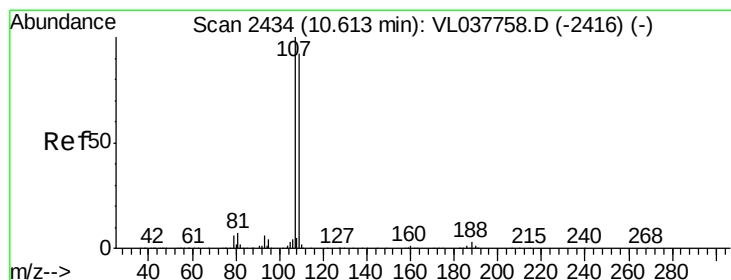
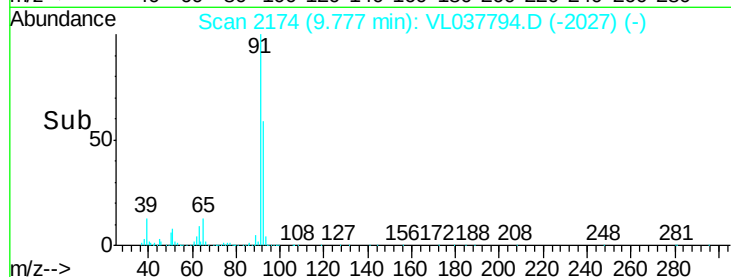
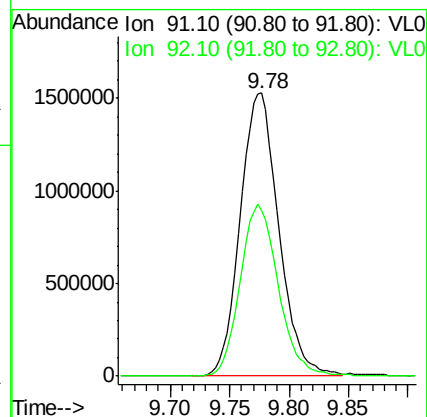
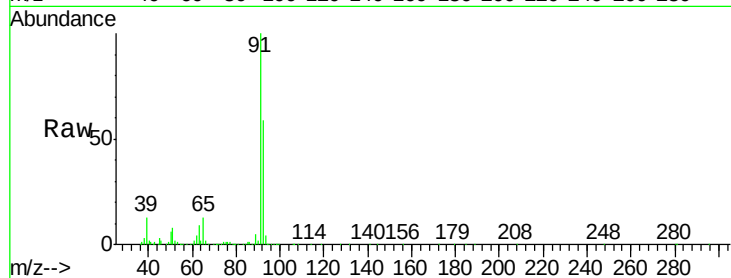
92 60.3 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 9.078 ppbv

RT: 10.58 min Scan# 2423

Delta R.T. -0.04 min

Lab File: VL037794.D

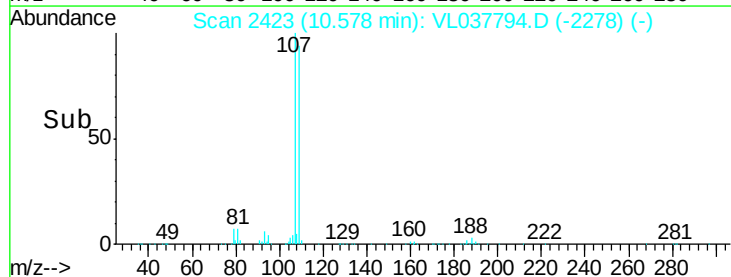
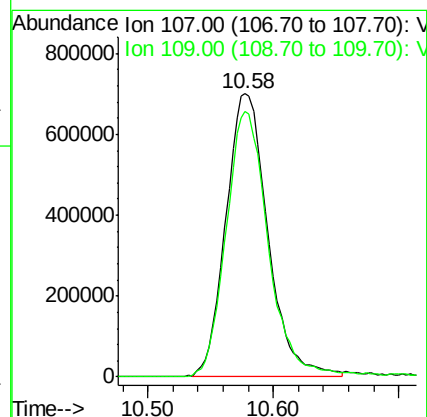
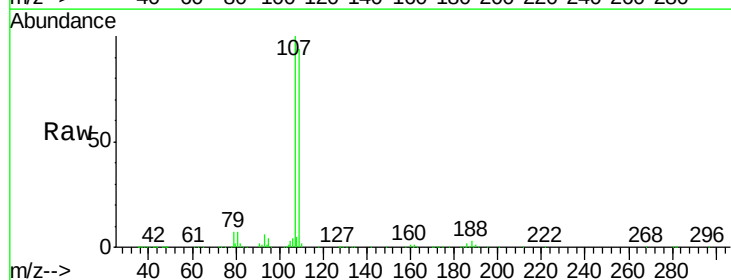
Acq: 6 Oct 2021 7:37

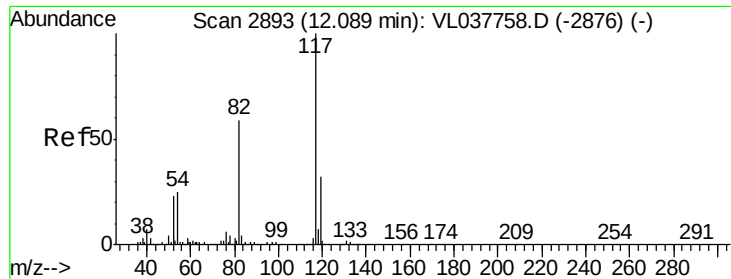
Tgt Ion: 107 Resp: 1609805

Ion Ratio Lower Upper

107 100

109 93.5 73.8 110.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.05 min Scan# 2882

Delta R.T. -0.04 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:117 Resp: 3224603

Ion Ratio Lower Upper

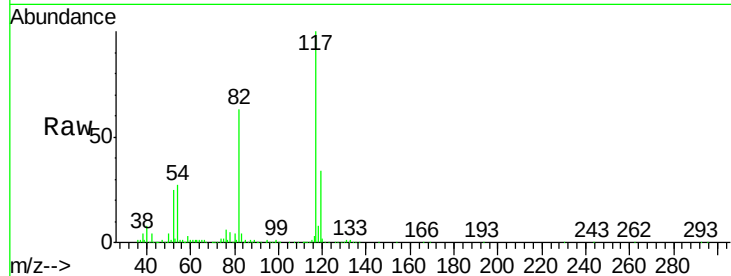
117 100

82 65.7 52.2 78.2

119 32.0 26.0 39.0

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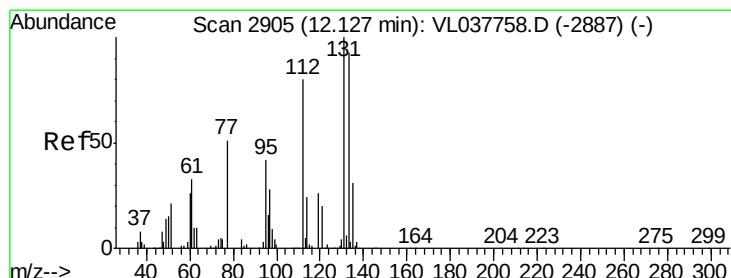
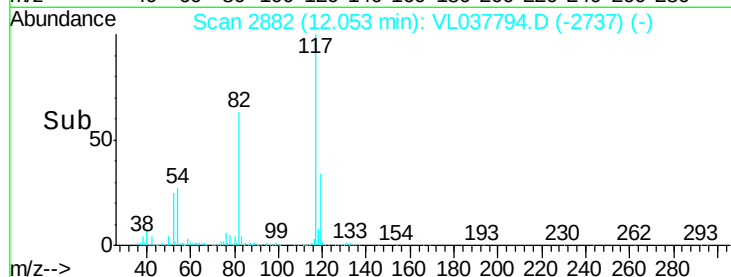
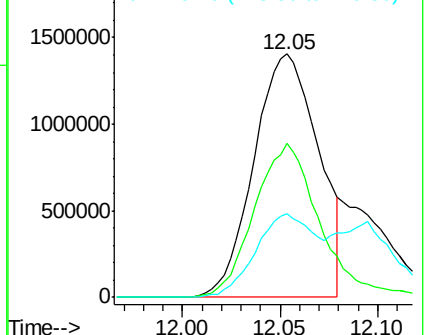
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Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 10.335 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.04 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

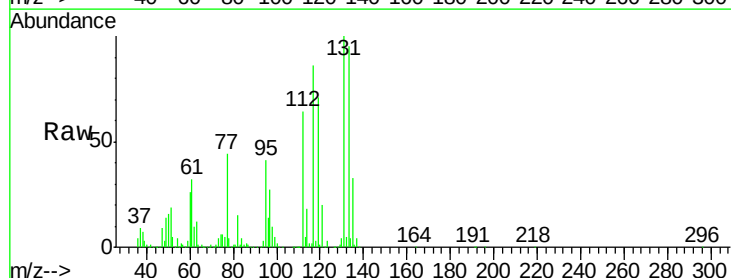
Tgt Ion:131 Resp: 1379631

Ion Ratio Lower Upper

131 100

133 96.4 78.5 117.7

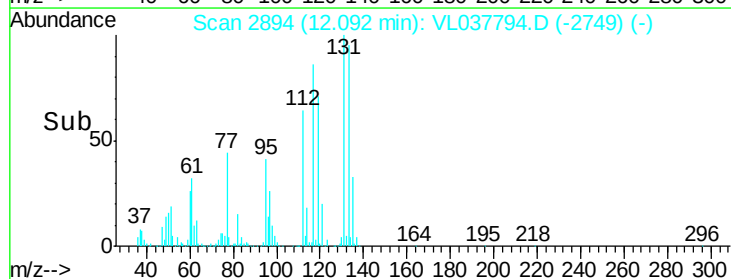
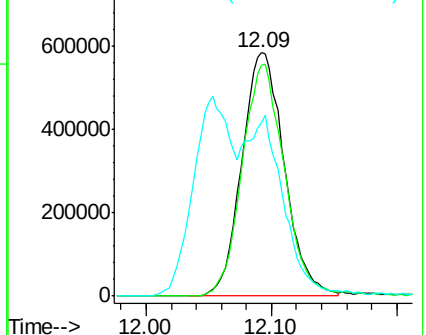
119 63.5 51.7 77.5

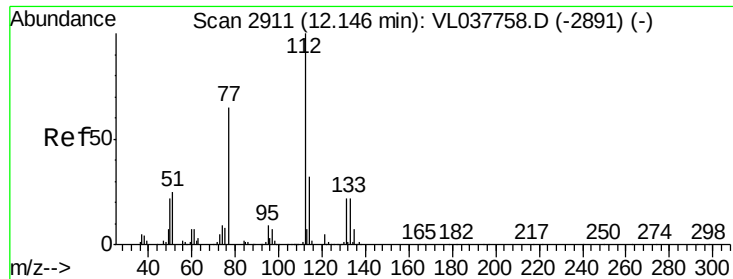


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





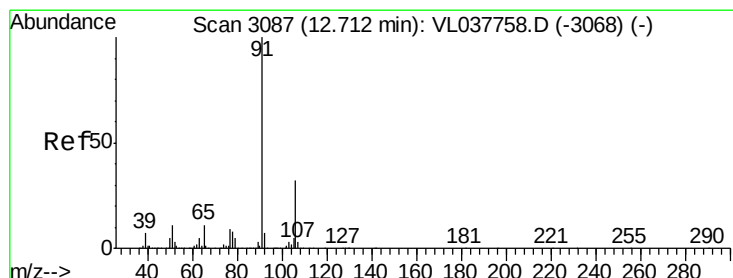
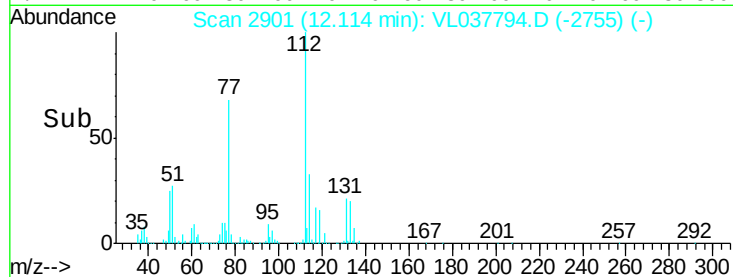
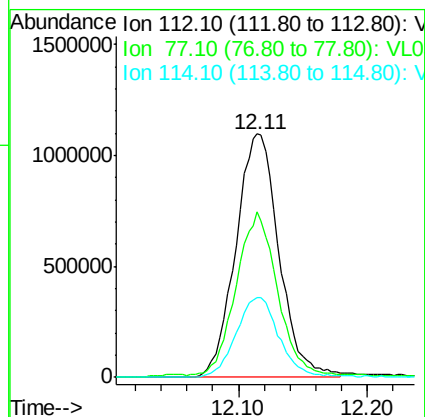
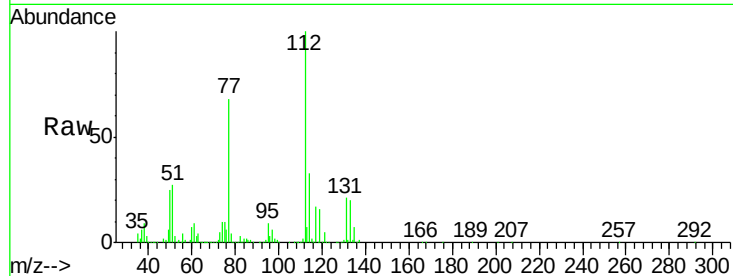
#57
Chlorobenzene
Concen: 9.588 ppbv
RT: 12.11 min Scan# 2901
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 112 Resp: 2536303
Ion Ratio Lower Upper
112 100
77 67.1 51.8 77.8
114 32.7 28.8 35.2

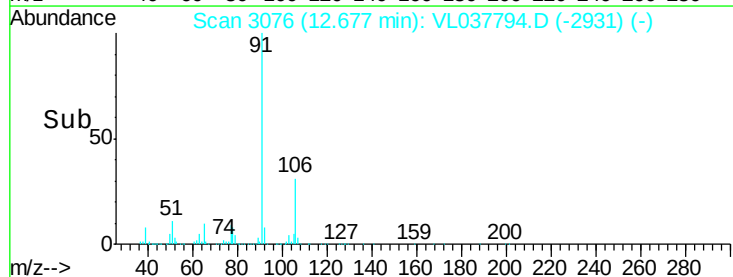
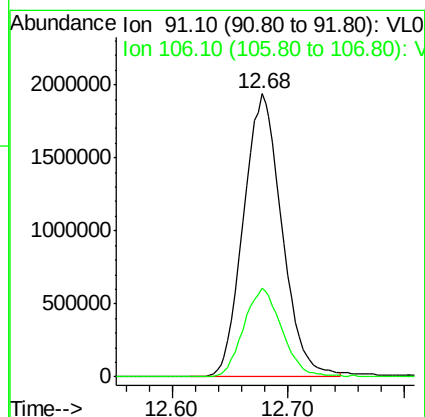
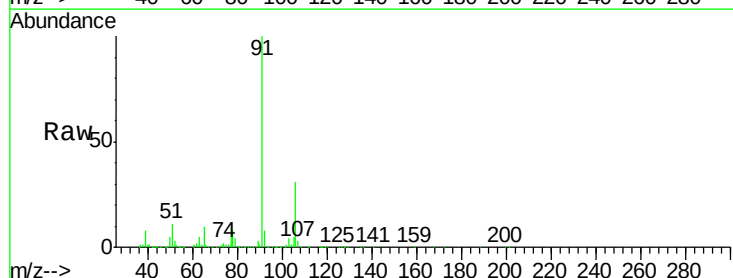
Manual Integrations
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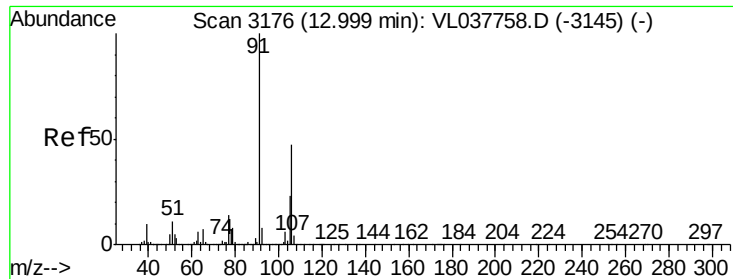
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#58
Ethyl Benzene
Concen: 10.327 ppbv
RT: 12.68 min Scan# 3076
Delta R.T. -0.04 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion: 91 Resp: 4471720
Ion Ratio Lower Upper
91 100
106 31.2 25.3 37.9





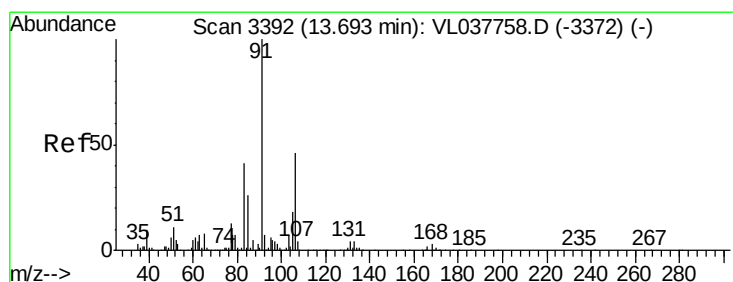
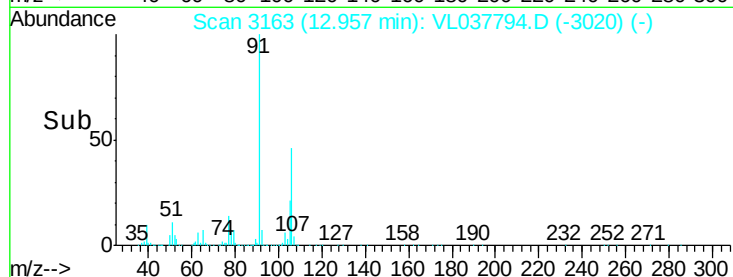
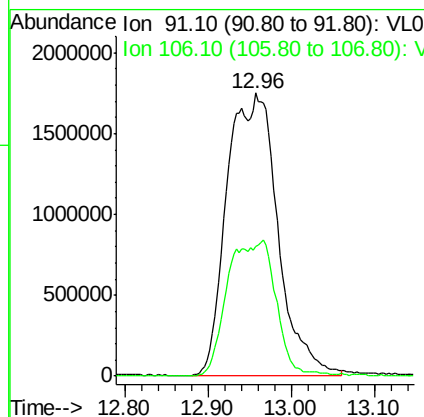
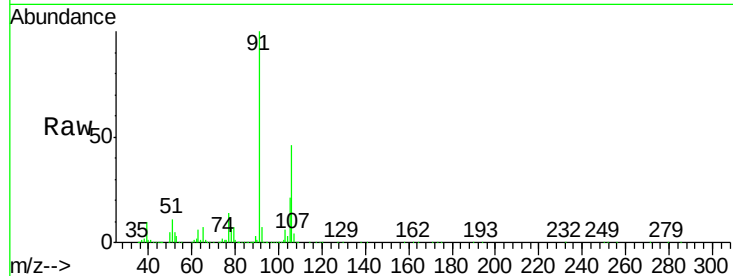
#59
m/p-Xylene
Concen: 20.065 ppbv m
RT: 12.96 min Scan# 3163
Delta R.T. -0.04 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion: 91 Resp: 7458003
Ion Ratio Lower Upper
91 100
106 45.7 36.7 55.1

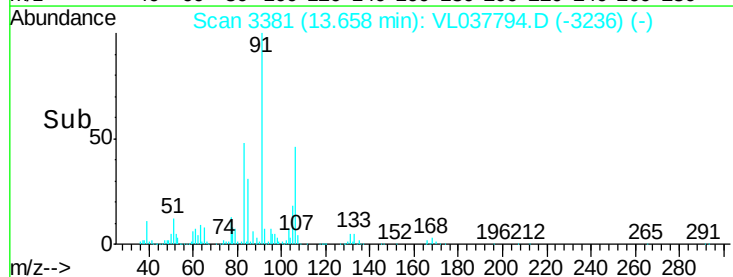
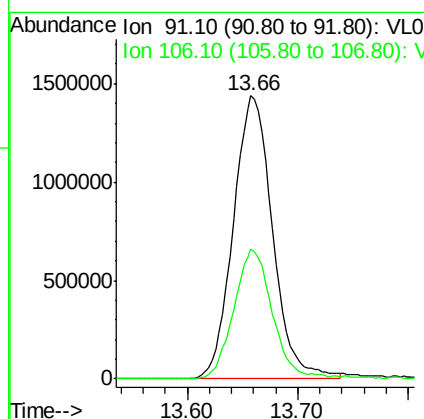
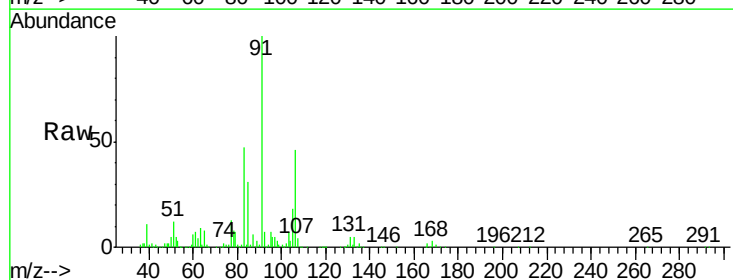
Manual Integrations
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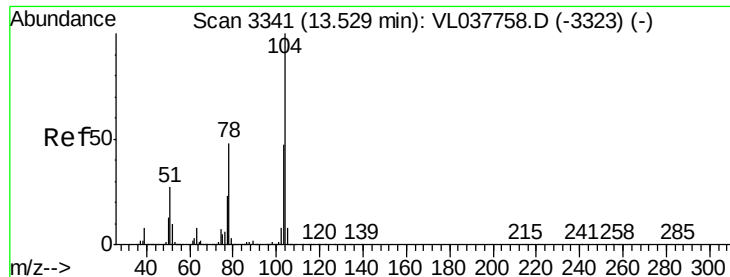
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#60
o-Xylene
Concen: 9.931 ppbv
RT: 13.66 min Scan# 3381
Delta R.T. -0.04 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion: 91 Resp: 3537534
Ion Ratio Lower Upper
91 100
106 45.7 23.5 70.5





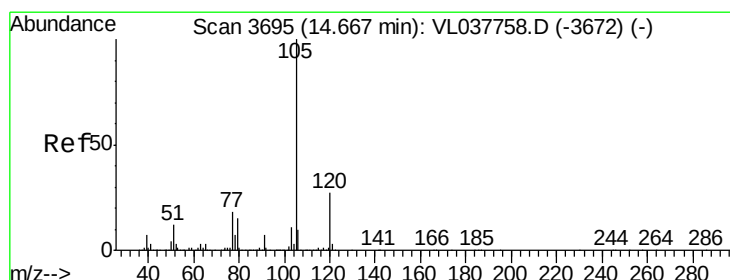
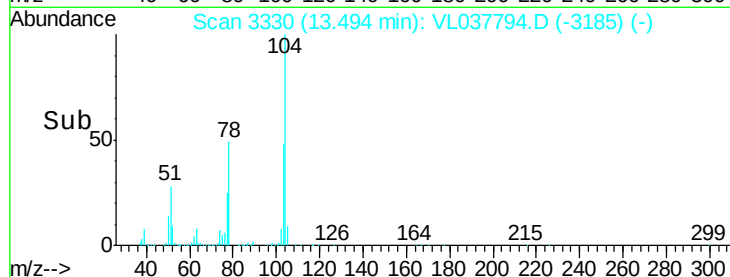
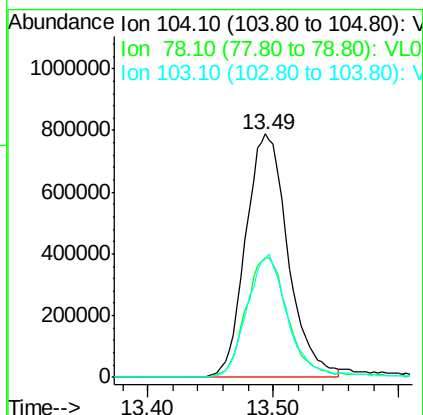
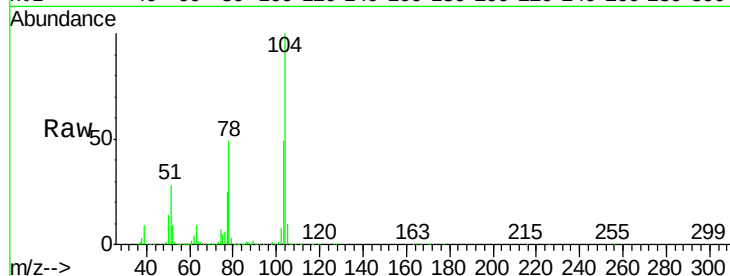
#61
Styrene
Concen: 10.743 ppbv
RT: 13.49 min Scan# 3330
Delta R.T. -0.04 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:104 Resp: 1850927
Ion Ratio Lower Upper
104 100
78 50.3 40.6 61.0
103 49.2 39.6 59.4

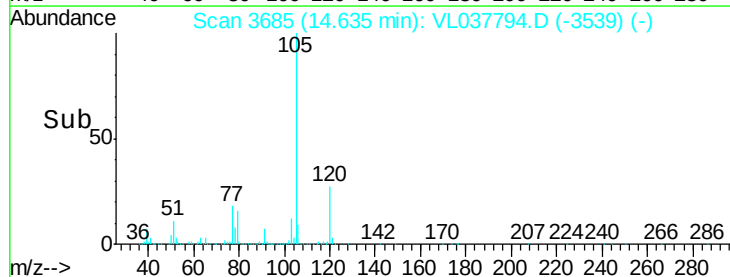
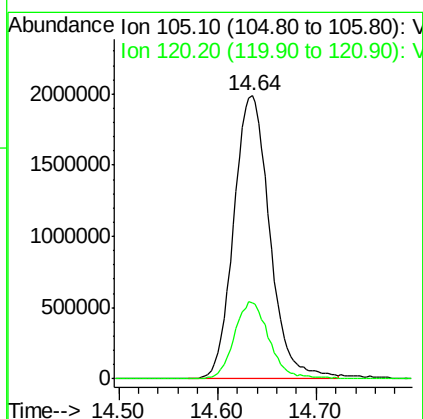
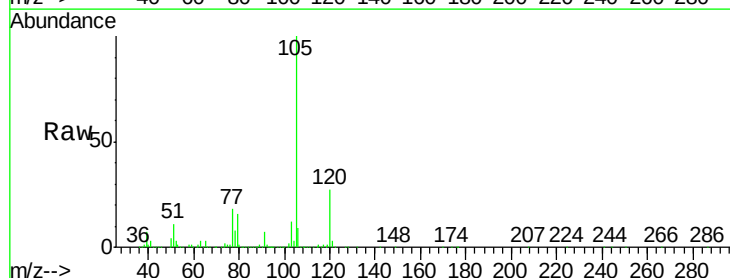
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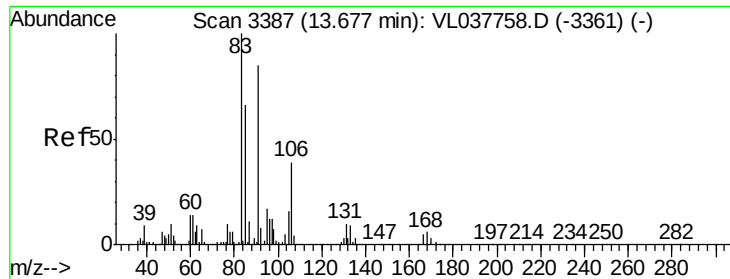
MMDadoda
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#62
Isopropylbenzene
Concen: 10.165 ppbv
RT: 14.64 min Scan# 3685
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion:105 Resp: 5050320
Ion Ratio Lower Upper
105 100
120 26.6 21.3 31.9





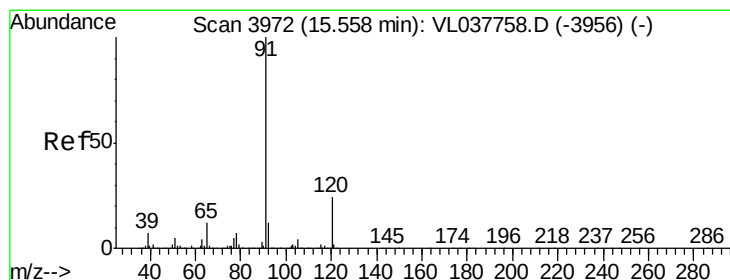
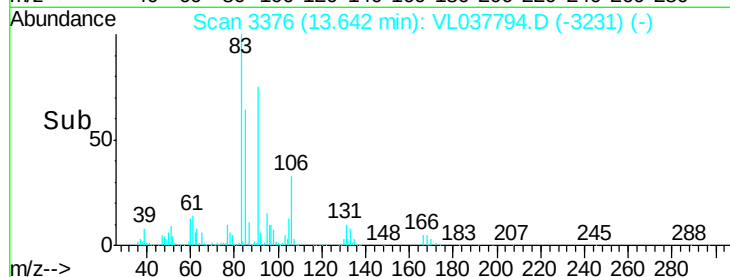
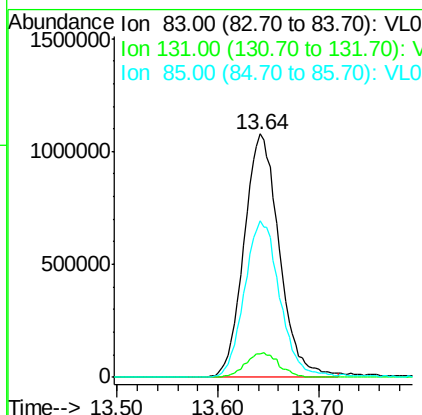
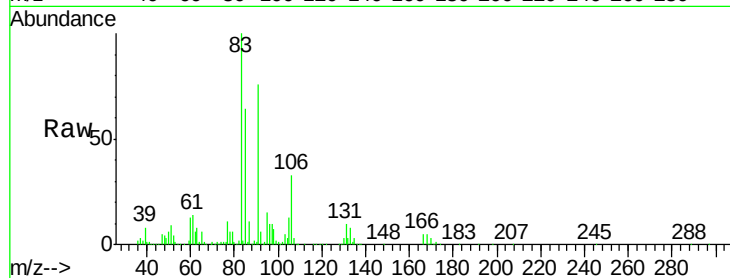
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.482 ppbv
 RT: 13.64 min Scan# 3376
 Delta R.T. -0.04 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
83	100		
131	9.8	5.0	15.0
85	65.8	33.1	99.5

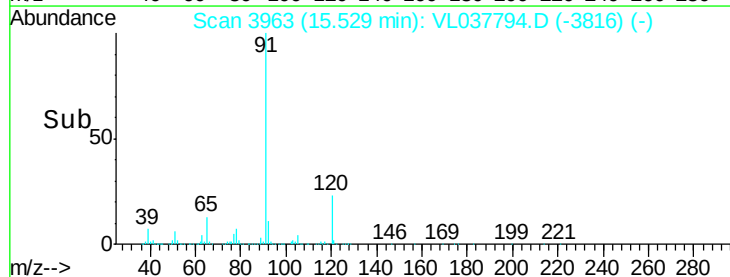
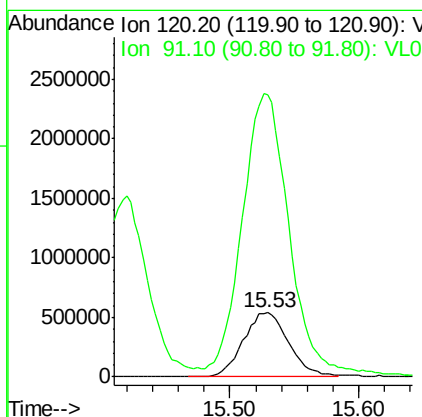
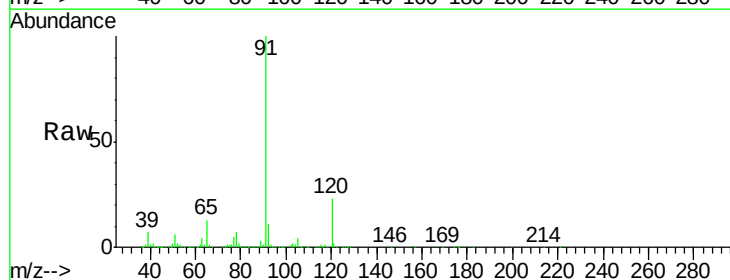
Manual Integrations
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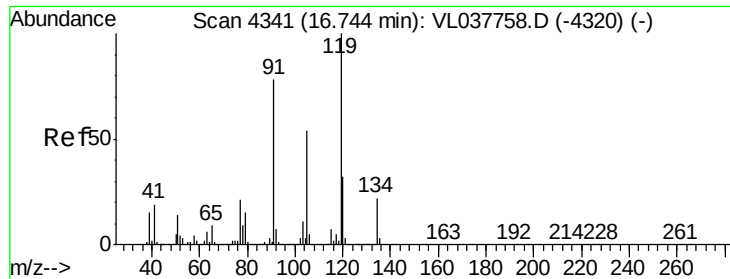
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#64
 n-propylbenzene
 Concen: 10.691 ppbv
 RT: 15.53 min Scan# 3963
 Delta R.T. -0.03 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Tgt Ion	Ratio	Lower	Upper
120	100		
91	461.1	375.0	562.6





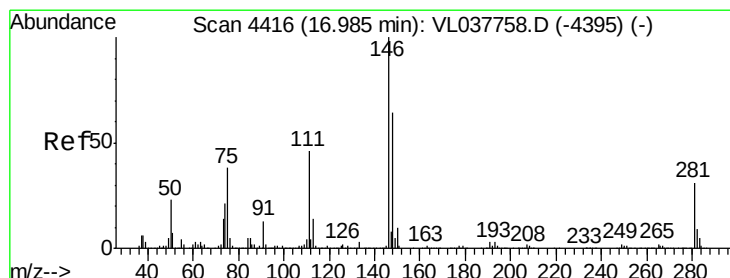
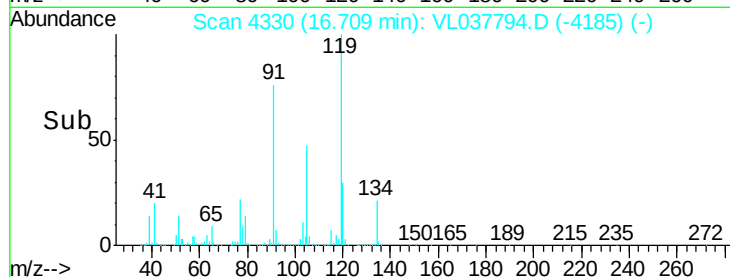
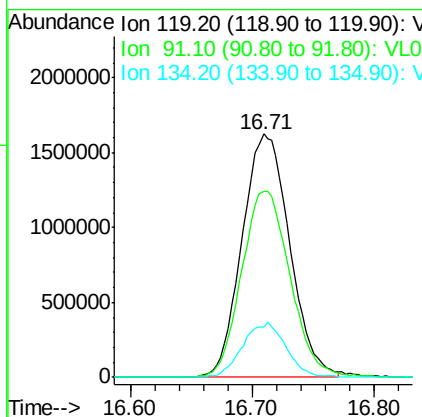
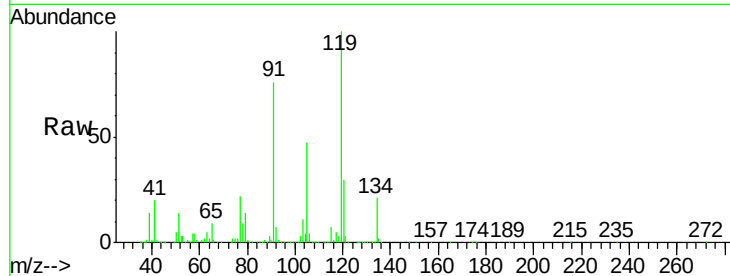
#65
 tert-Butylbenzene
 Concen: 10.012 ppbv
 RT: 16.71 min Scan# 4330
 Delta R.T. -0.04 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 4377481
 Ion Ratio Lower Upper
 119 100
 91 78.2 62.6 94.0
 134 20.8 16.3 24.5

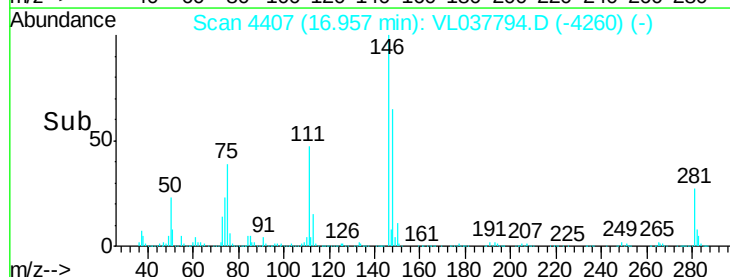
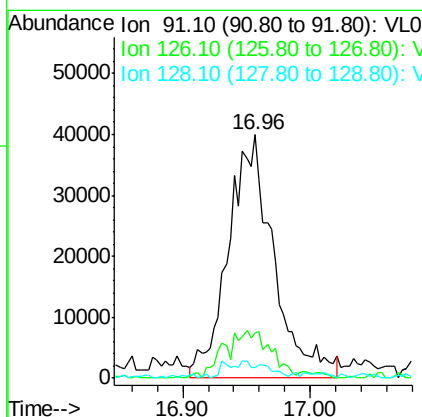
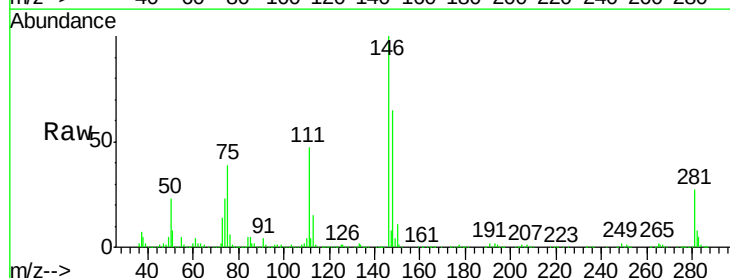
Manual Integrations
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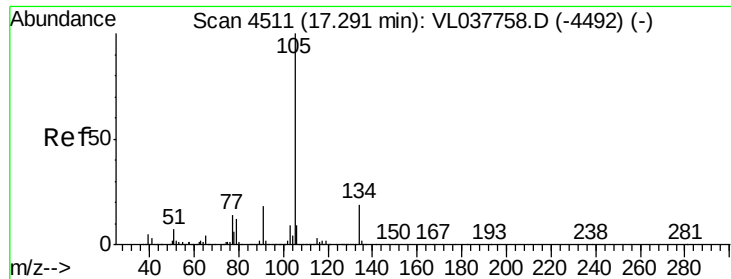
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#66
 Benzyl Chloride
 Concen: 4.594 ppbv m
 RT: 16.96 min Scan# 4407
 Delta R.T. -0.03 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Tgt Ion: 91 Resp: 99135
 Ion Ratio Lower Upper
 91 100
 126 21.5 0.0 0.0#
 128 9.2 5.3 7.9#





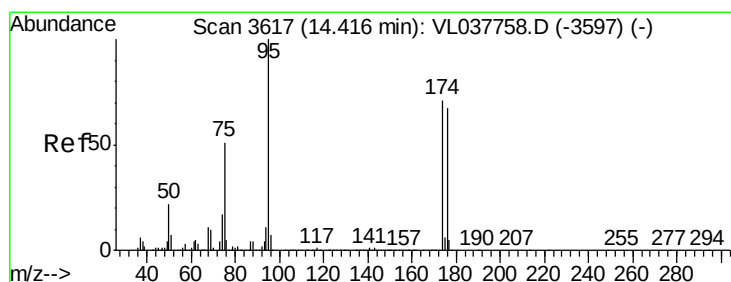
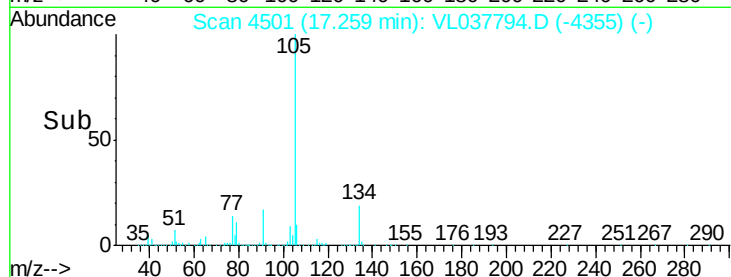
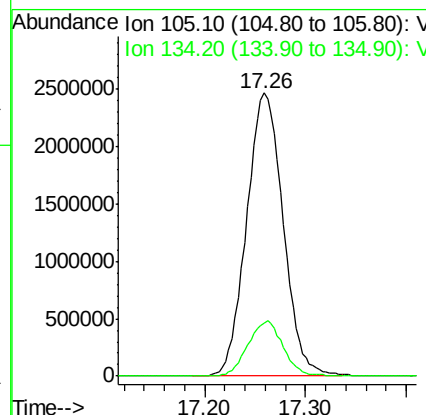
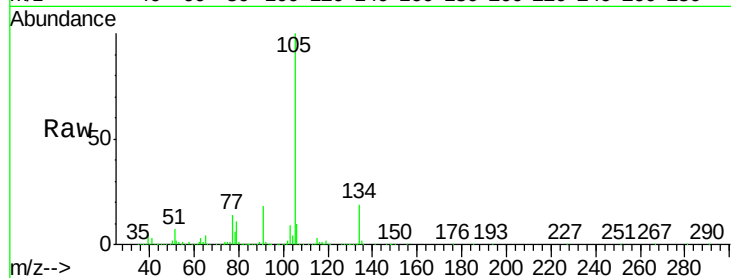
#67
 sec-Butylbenzene
 Concen: 10.352 ppbv
 RT: 17.26 min Scan# 4501
 Delta R.T. -0.03 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 105 Resp: 6190173
 Ion Ratio Lower Upper
 105 100
 134 19.0 15.4 23.0

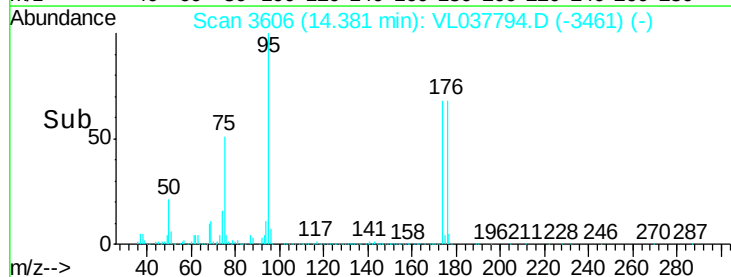
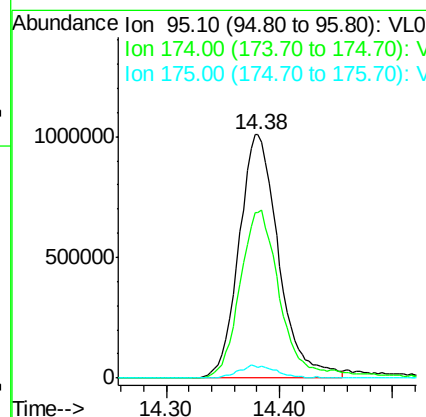
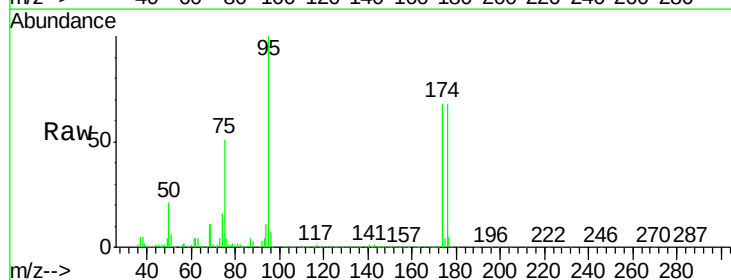
Manual Integrations
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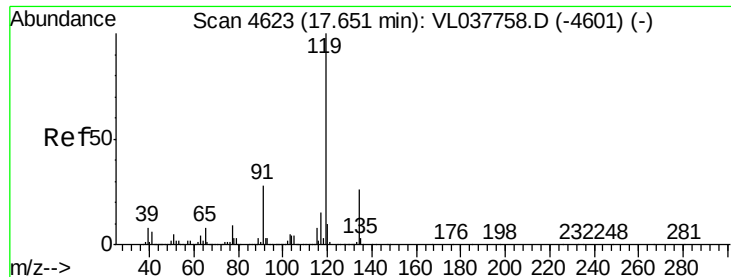
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.907 ppbv
 RT: 14.38 min Scan# 3606
 Delta R.T. -0.04 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Tgt Ion: 95 Resp: 2459476
 Ion Ratio Lower Upper
 95 100
 174 71.5 57.8 86.6
 175 5.4 4.7 7.1





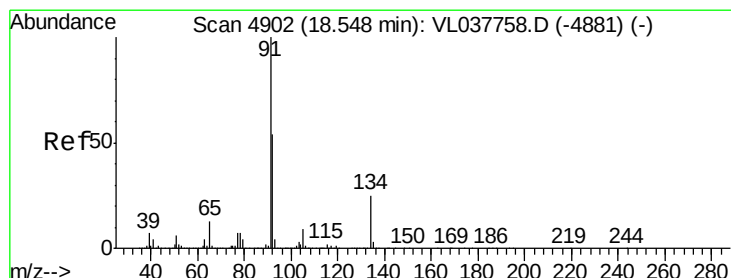
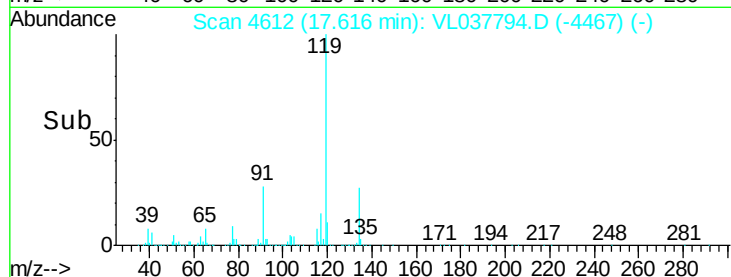
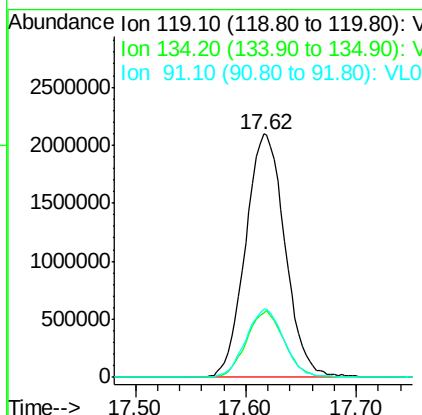
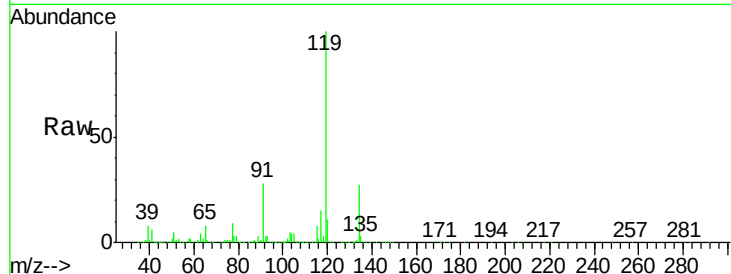
#69
p-Isopropyltoluene
Concen: 10.744 ppbv
RT: 17.62 min Scan# 4612
Delta R.T. -0.04 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.3	21.2	31.8
91	27.3	22.2	33.4

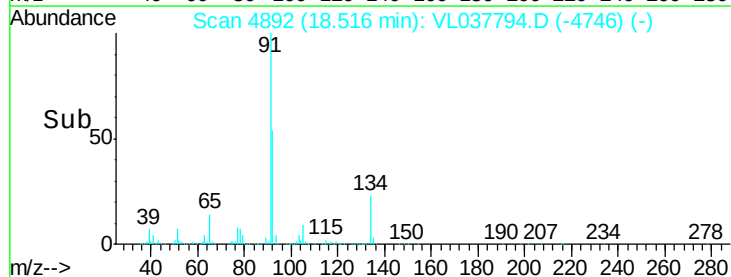
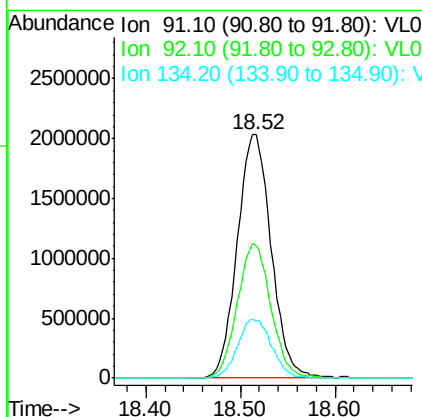
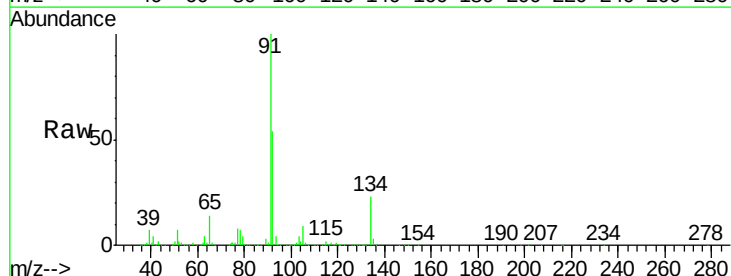
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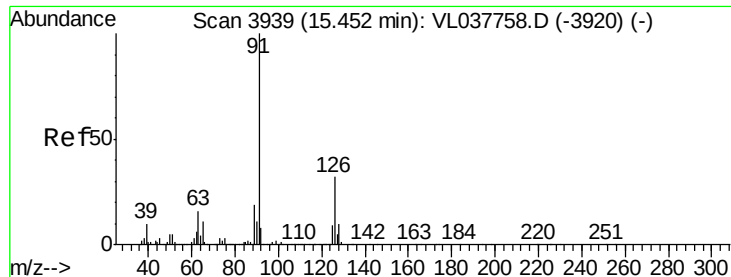
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#70
n-Butylbenzene
Concen: 11.047 ppbv
RT: 18.52 min Scan# 4892
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion	Ratio	Lower	Upper
91	100		
92	54.7	43.4	65.0
134	24.5	19.8	29.6





#71

2-Chlorotoluene

Concen: 10.488 ppbv

RT: 15.42 min Scan# 3929

Delta R.T. -0.03 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 91 Resp: 3679827

Ion Ratio Lower Upper

91 100

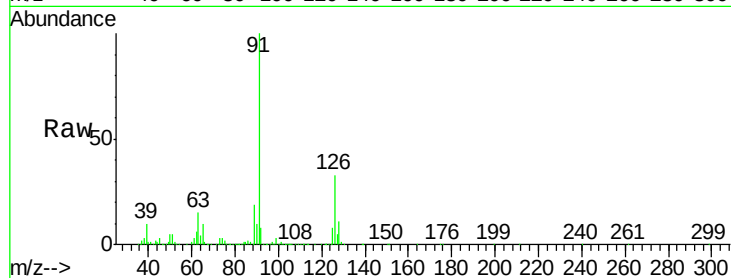
126 34.3 13.6 54.6

Manual Integrations

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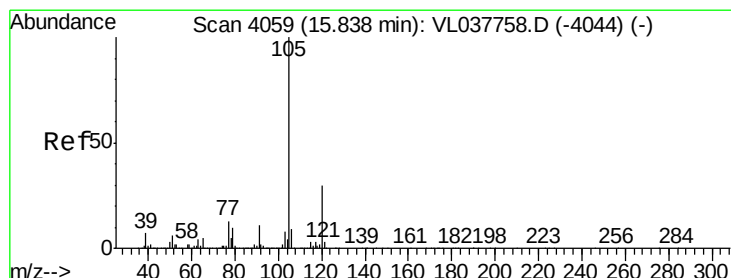
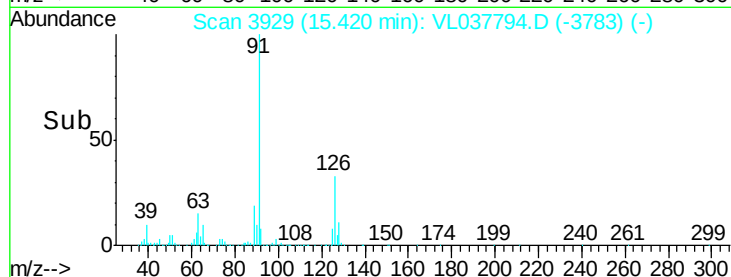
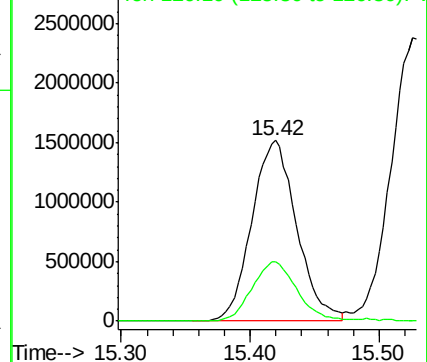
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 10.438 ppbv

RT: 15.81 min Scan# 4049

Delta R.T. -0.03 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Tgt Ion: 105 Resp: 4221821

Ion Ratio Lower Upper

105 100

120 31.0 24.2 36.2

91 12.0 10.4 15.6

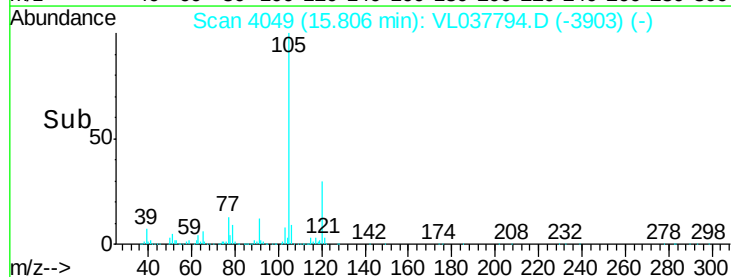
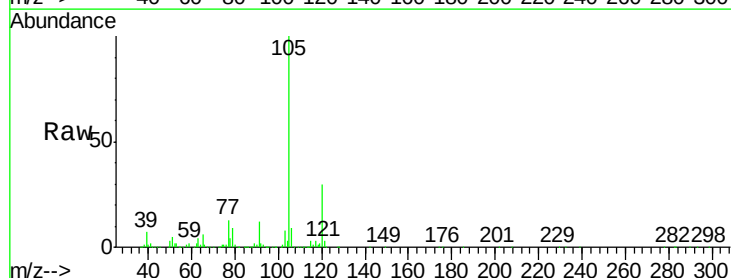
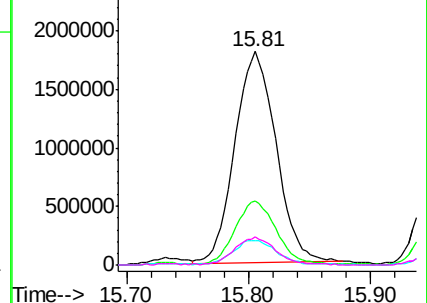
77 13.9 10.3 15.5

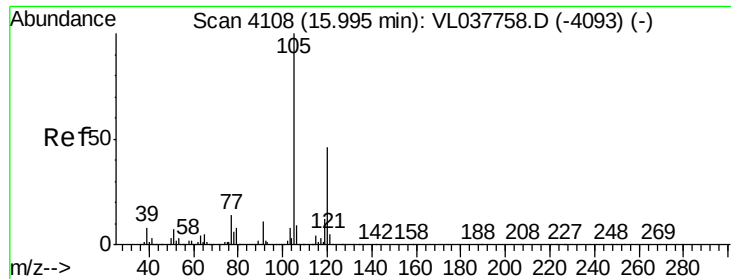
Abundance Ion 105.10 (104.80 to 105.80): V

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





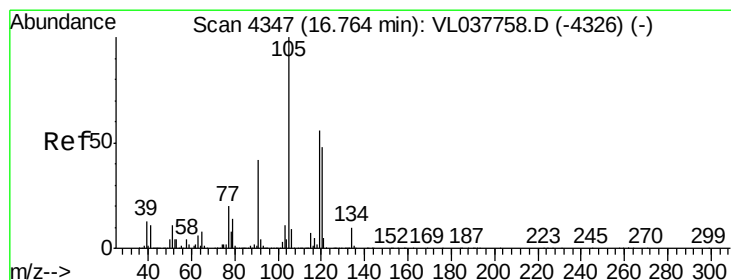
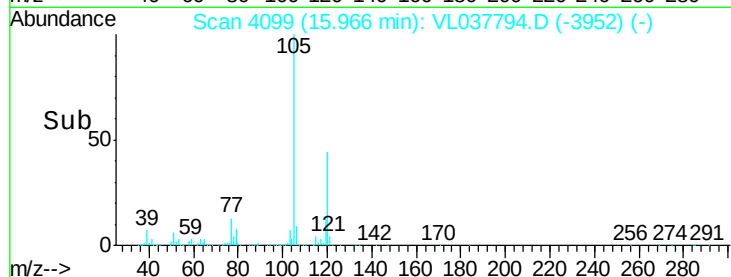
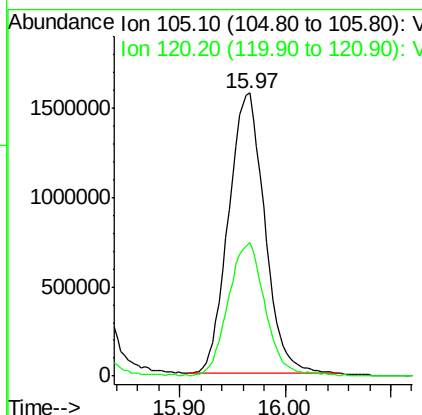
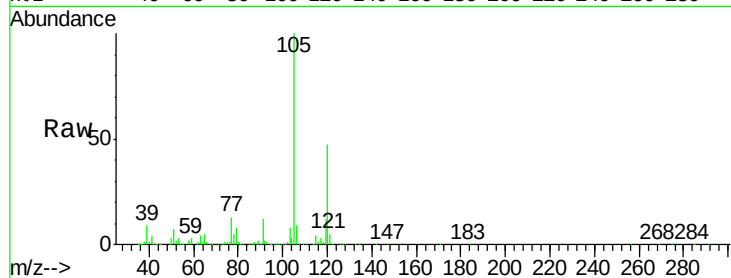
#73
 1,3,5-Trimethylbenzene
 Concen: 10.203 ppbv
 RT: 15.97 min Scan# 4099
 Delta R.T. -0.03 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:105 Resp: 3748262
 Ion Ratio Lower Upper
 105 100
 120 47.2 36.6 54.8

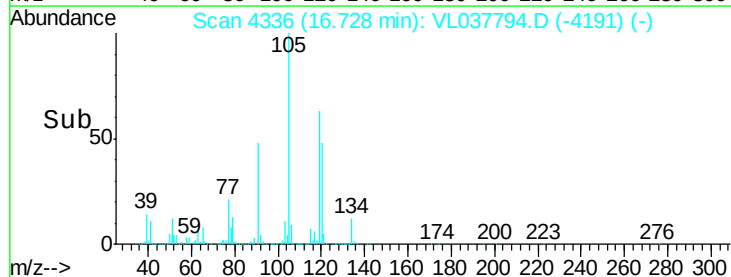
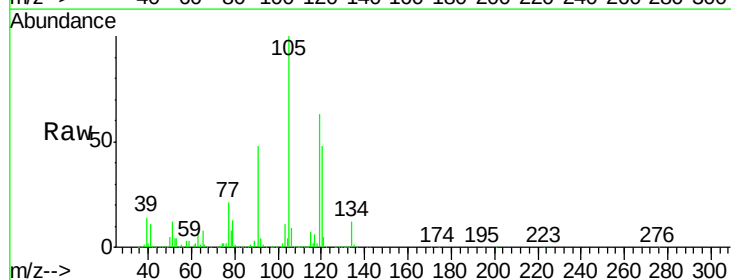
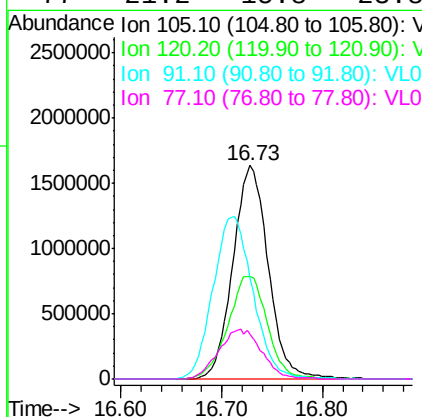
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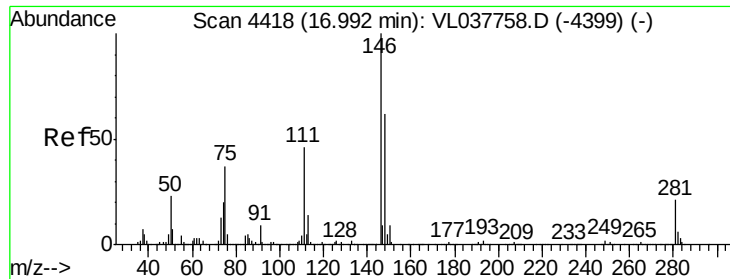
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#74
 1,2,4-Trimethylbenzene
 Concen: 10.289 ppbv
 RT: 16.73 min Scan# 4336
 Delta R.T. -0.04 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Tgt Ion:105 Resp: 3969264
 Ion Ratio Lower Upper
 105 100
 120 47.9 38.4 57.6
 91 47.3 34.2 51.2
 77 21.2 15.8 23.8





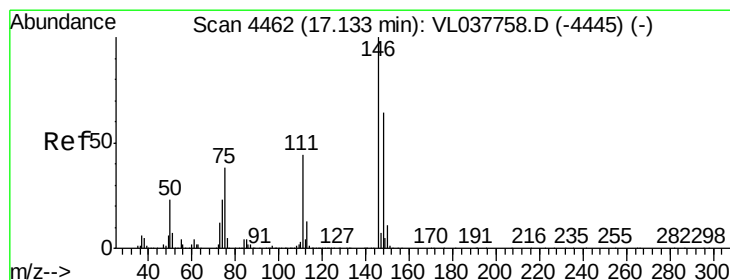
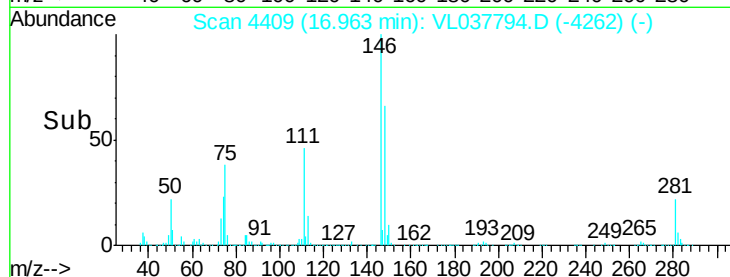
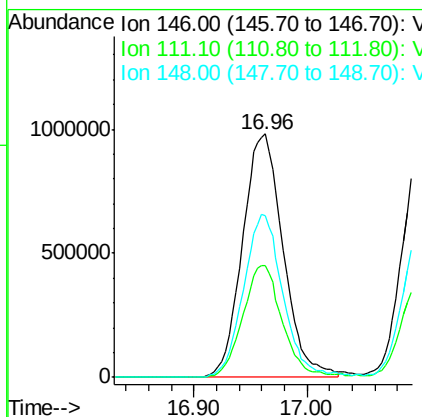
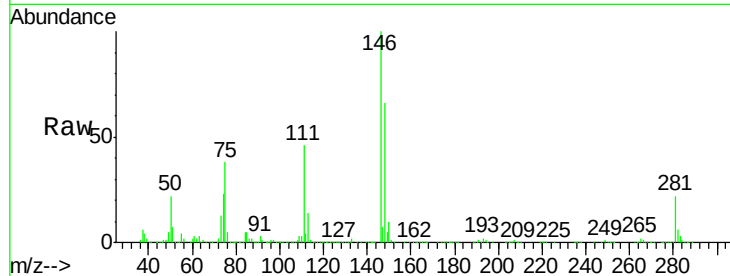
#75
 1,3-Dichlorobenzene
 Concen: 10.233 ppbv
 RT: 16.96 min Scan# 4409
 Delta R.T. -0.03 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:146 Resp: 2445801
 Ion Ratio Lower Upper
 146 100
 111 45.2 22.8 68.4
 148 65.2 32.8 98.3

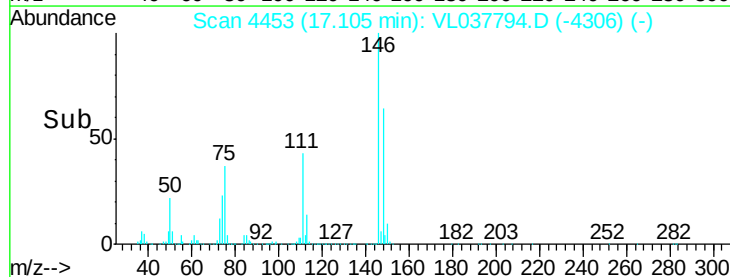
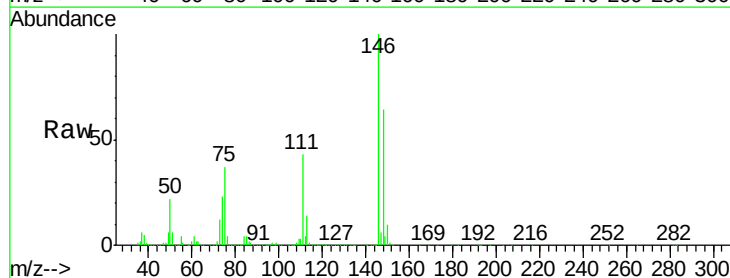
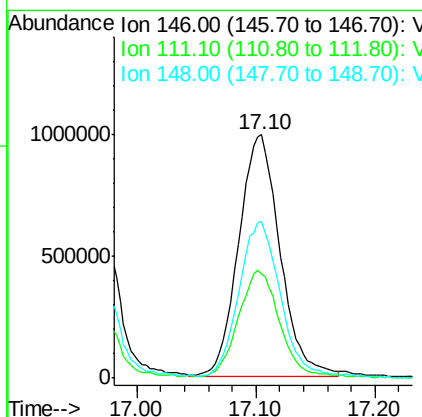
Manual Integrations
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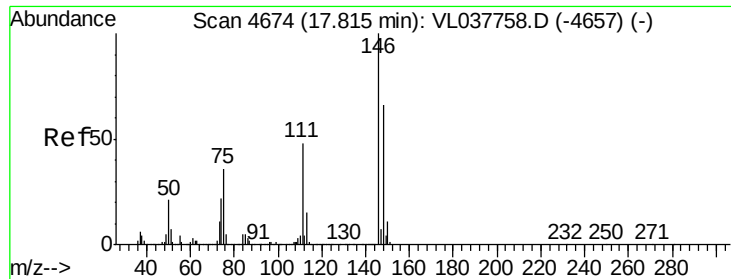
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#76
 1,4-Dichlorobenzene
 Concen: 10.469 ppbv
 RT: 17.10 min Scan# 4453
 Delta R.T. -0.03 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Tgt Ion:146 Resp: 2387130
 Ion Ratio Lower Upper
 146 100
 111 44.6 22.4 67.3
 148 65.8 33.3 99.9





#77

1,2-Dichlorobenzene

Concen: 10.546 ppbv

RT: 17.78 min Scan# 4663

Delta R.T. -0.04 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion:146 Resp: 2421455

Ion Ratio Lower Upper

146 100

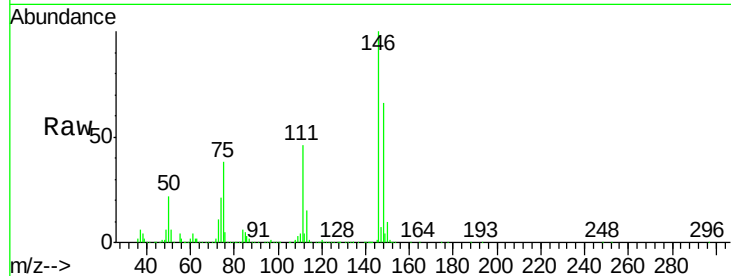
111 46.4 23.6 70.8

148 64.2 32.9 98.6

Manual Integrations
APPROVED

MMDadoda

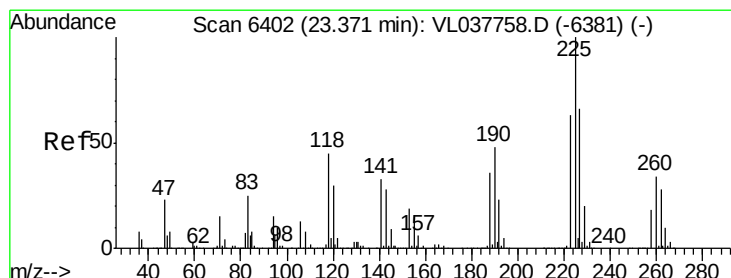
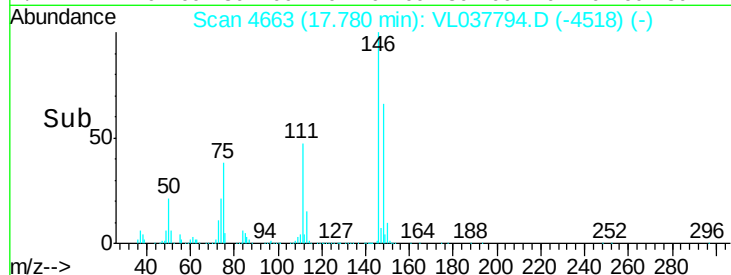
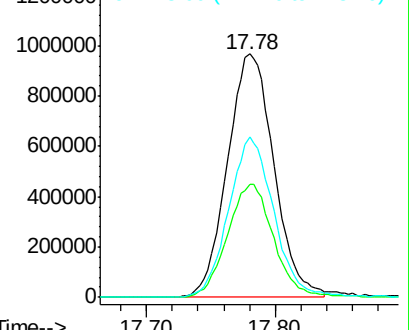
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Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 10.058 ppbv

RT: 23.34 min Scan# 6391

Delta R.T. -0.04 min

Lab File: VL037794.D

Acq: 6 Oct 2021 7:37

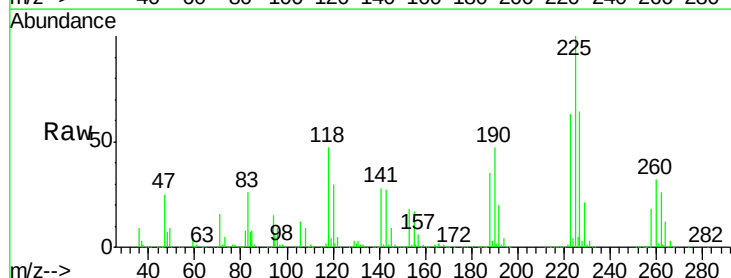
Tgt Ion:225 Resp: 1885593

Ion Ratio Lower Upper

225 100

223 64.2 51.2 76.8

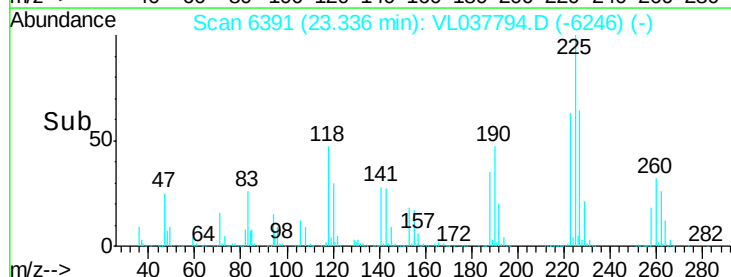
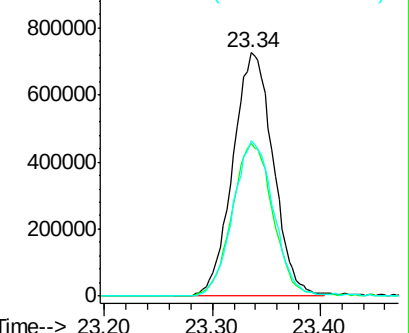
227 64.2 51.1 76.7

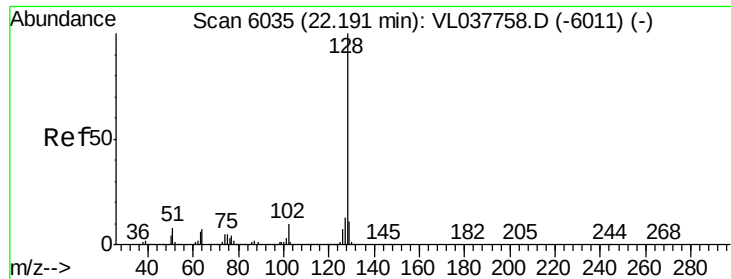


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





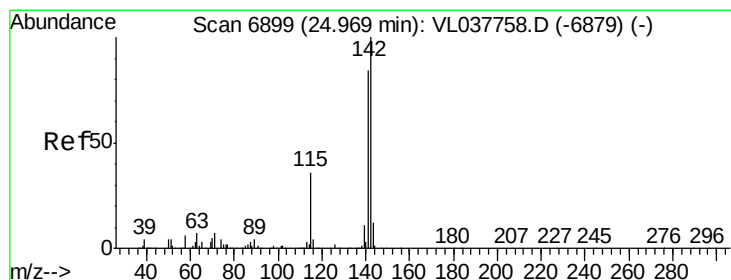
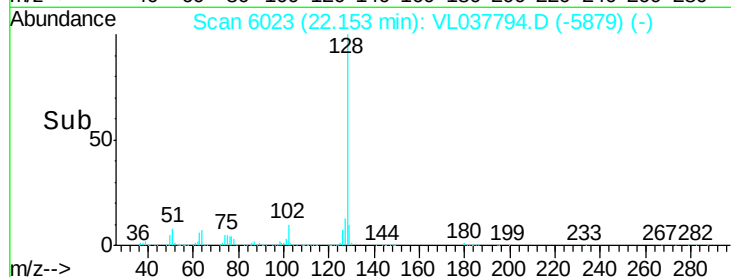
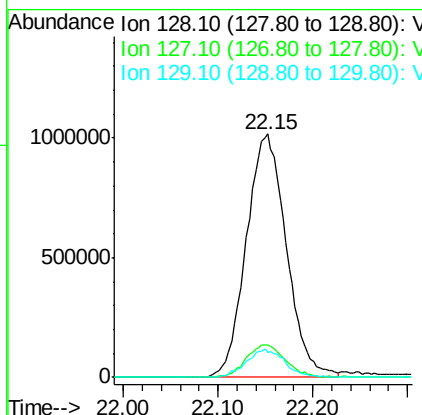
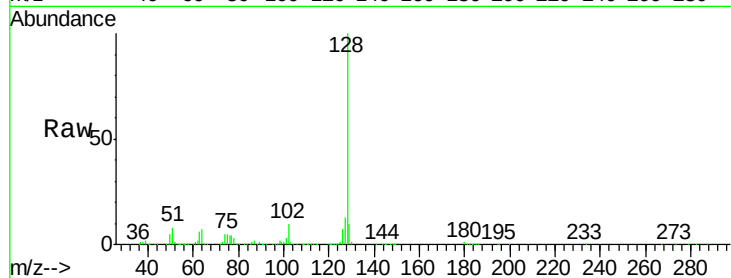
#79
Naphthalene
Concen: 12.664 ppbv
RT: 22.15 min Scan# 6023
Delta R.T. -0.04 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.1	15.1
129	10.1	9.1	13.7

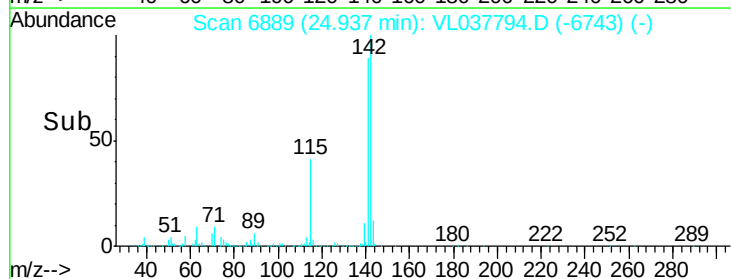
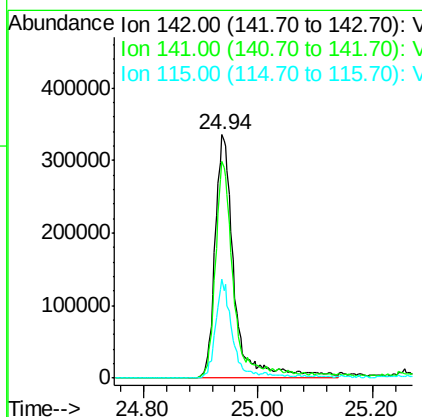
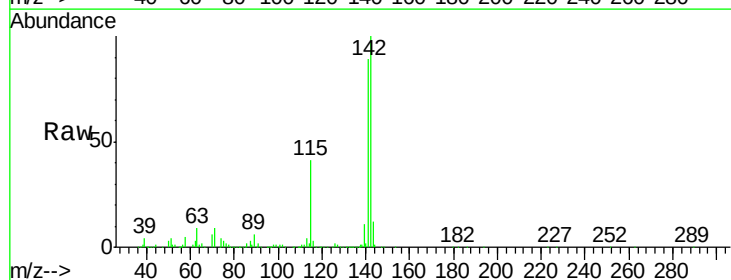
Manual Integrations
APPROVED

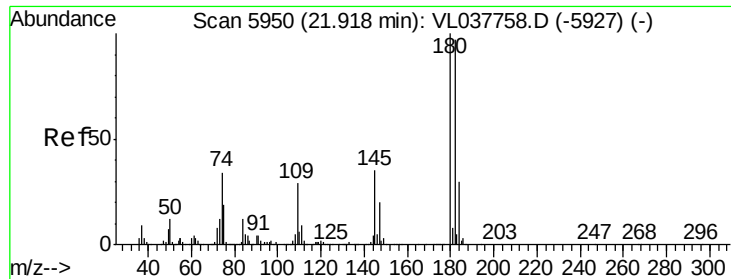
MMDadoda
10/11/2021 7:36:53 PM



#80
Naphthalene, 2-methyl-
Concen: 12.435 ppbv
RT: 24.94 min Scan# 6889
Delta R.T. -0.03 min
Lab File: VL037794.D
Acq: 6 Oct 2021 7:37

Tgt Ion	Ratio	Lower	Upper
142	100		
141	83.7	68.6	102.8
115	36.6	29.0	43.6





#81
 1,2,4-Trichlorobenzene
 Concen: 12.174 ppbv
 RT: 21.88 min Scan# 5939
 Delta R.T. -0.04 min
 Lab File: VL037794.D
 Acq: 6 Oct 2021 7:37

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion	Ratio	Lower	Upper
180	100		
182	99.1	77.6	116.4
184	30.7	25.0	37.4

Manual Integrations
 APPROVED

MMDadoda
 10/11/2021 7:36:53 PM

