

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100721\
 Data File : VL037796.D
 Acq On : 7 Oct 2021 13:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Manual Integrations
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Quant Time: Oct 09 18:31:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 09 18:31:35 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	5.65	49	1266669	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3782382	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	3595540m	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2498943	9.94	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	1913108	9.456	ppbv	100
3) Chlorodifluoromethane	2.98	51	2425005	9.964	ppbv	99
4) Chloromethane	3.13	50	907557	10.181	ppbv	100
5) Vinyl Chloride	3.24	62	902818	11.048	ppbv	99
6) Bromomethane	3.46	94	399490	9.038	ppbv	98
7) Chloroethane	3.54	64	320304	10.660	ppbv	90
8) Dichlorotetrafluoroethane	3.18	85	2010675	10.055	ppbv	99
9) Propene	3.00	41	873550	9.755	ppbv	99
10) Heptane	8.10	43	2197679	10.806	ppbv	99
11) Trichlorofluoromethane	3.93	101	1832506	10.152	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1360934	9.950	ppbv	99
13) Ethanol	3.60	45	80268m	10.960	ppbv	
14) Bromoethene	3.73	108	633788	10.539	ppbv	94
15) Acetone	3.84	43	1158512	10.188	ppbv	100
16) 1,3-Butadiene	3.31	39	872320	10.544	ppbv	100
17) tert-Butyl alcohol	4.27	59	1259830	10.758	ppbv	100
18) 1,1-Dichloroethene	4.27	96	617150	9.929	ppbv	98
19) Isopropyl Alcohol	3.94	45	776177	10.972	ppbv	# 99
20) Methylene Chloride	4.33	84	523416	9.110	ppbv	95
21) Allyl Chloride	4.39	41	1009044	10.017	ppbv	97
22) trans-1,2-Dichloroethene	4.87	96	649072	10.387	ppbv	94
23) Vinyl Acetate	5.05	43	1627643	9.552	ppbv	99
24) 1,1-Dichloroethane	4.99	63	1307155	10.538	ppbv	99
25) Ethyl Acetate	5.66	43	3392350	10.632	ppbv	99
26) Hexane	5.67	57	1585920	10.094	ppbv	96
27) Carbon Disulfide	4.53	76	1574723	11.309	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1358391	10.384	ppbv	98
29) Chloroform	5.73	83	2288442	10.190	ppbv	99
30) Cyclohexane	7.11	84	1368854	10.274	ppbv	98
31) cis-1,2-Dichloroethene	5.53	61	1476742	10.353	ppbv	99
32) 1,1,1-Trichloroethane	6.49	97	2229446	10.471	ppbv	99
34) 2-Butanone	5.22	43	1515830	9.927	ppbv	99
35) Carbon Tetrachloride	7.00	117	2292626	10.673	ppbv	98
36) Benzene	6.87	78	3336293	10.327	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1620530	10.653	ppbv	100
38) Trichloroethene	7.81	130	1325706	10.387	ppbv	99
39) 1,2-Dichloropropane	7.59	63	1288952	10.607	ppbv	97
40) 1,4-Dioxane	7.81	88	318777	10.483	ppbv	# 100
41) Tetrahydrofuran	6.03	42	773009	10.338	ppbv	98
42) Bromodichloromethane	7.77	83	2474423	11.074	ppbv	99
43) Methyl Methacrylate	7.99	69	1211335	11.479	ppbv	99

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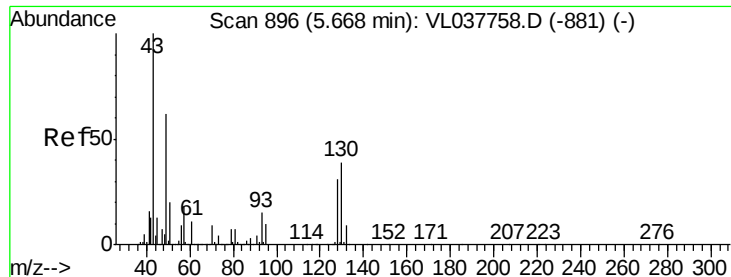
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Quant Time: Oct 09 18:31:35 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 0
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5598532	10.314	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	808440	11.135	ppbv	100
46) cis-1,3-Dichloropropene	8.68	75	1096311	10.894	ppbv	98
47) 1,1,2-Trichloroethane	9.45	97	1368451	10.359	ppbv	98
48) Dibromochloromethane	10.28	129	2131069	11.316	ppbv	98
49) Bromoform	13.02	173	1820508	12.634	ppbv	99
50) 4-Methyl-2-Pentanone	8.72	43	2225779	11.197	ppbv	100
51) 2-Hexanone	10.11	43	1052819	11.864	ppbv #	99
52) Tetrachloroethene	11.20	164	1232965	9.809	ppbv	95
53) Toluene	9.79	91	3974187	11.100	ppbv	99
54) 1,2-Dibromoethane	10.59	107	1917564	10.746	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.10	131	1510717	10.150	ppbv	99
57) Chlorobenzene	12.12	112	2875003	9.747	ppbv	99
58) Ethyl Benzene	12.69	91	5121676	10.608	ppbv	100
59) m/p-Xylene	12.97	91	8500939m	20.512	ppbv	
60) o-Xylene	13.67	91	3942928	9.927	ppbv	99
61) Styrene	13.50	104	2248070	11.702	ppbv	99
62) Isopropylbenzene	14.64	105	5629915	10.162	ppbv	100
63) 1,1,2,2-Tetrachloroethane	13.65	83	2917646	9.520	ppbv	100
64) n-propylbenzene	15.54	120	1512072	10.945	ppbv	96
65) tert-Butylbenzene	16.72	119	4986905	10.229	ppbv	100
66) Benzyl Chloride	16.96	91	258355	10.738	ppbv #	99
67) sec-Butylbenzene	17.27	105	6996679	10.494	ppbv	100
69) p-Isopropyltoluene	17.63	119	5907567	10.960	ppbv	100
70) n-Butylbenzene	18.52	91	5860617	11.445	ppbv	100
71) 2-Chlorotoluene	15.43	91	4230679	10.814	ppbv	99
72) 4-Ethyltoluene	15.81	105	5074232	11.252	ppbv	99
73) 1,3,5-Trimethylbenzene	15.97	105	4497108	10.978	ppbv	96
74) 1,2,4-Trimethylbenzene	16.74	105	4575030	10.635	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	2820081	10.581	ppbv	100
76) 1,4-Dichlorobenzene	17.11	146	2771074	10.899	ppbv	100
77) 1,2-Dichlorobenzene	17.79	146	2767099	10.808	ppbv	99
78) Hexachloro-1,3-Butadiene	23.35	225	2035036	9.735	ppbv	99
79) Naphthalene	22.16	128	3418791	12.977	ppbv	99
80) Naphthalene,2-methyl-	24.95	142	910286	12.868	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2053934	12.190	ppbv	100

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.02 min

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Instrument :

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ClientSampleId :

VSTDCCC010

Tgt Ion: 49 Resp: 1266669

Ion Ratio Lower Upper

49 100

128 55.5 27.1 81.3

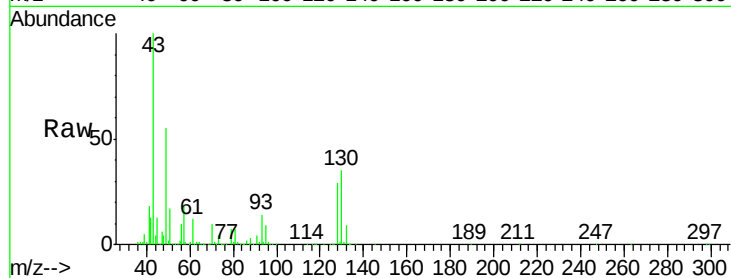
130 66.6 33.2 99.6

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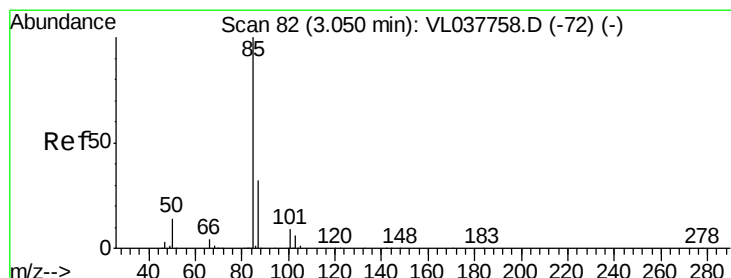
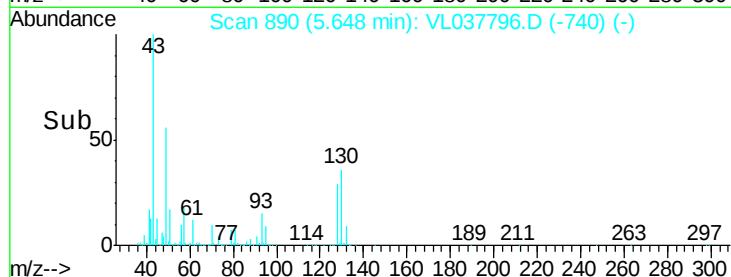
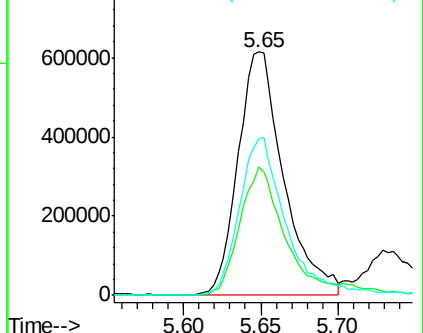
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.456 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL037796.D

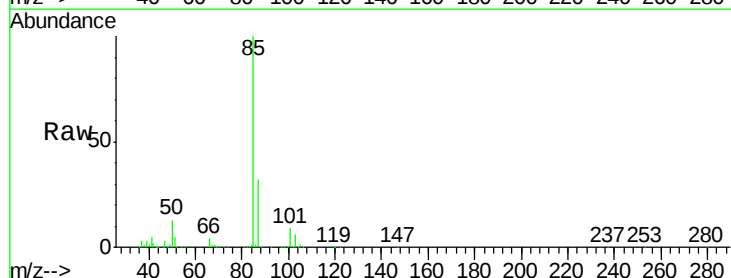
Acq: 7 Oct 2021 13:47

Tgt Ion: 85 Resp: 1913108

Ion Ratio Lower Upper

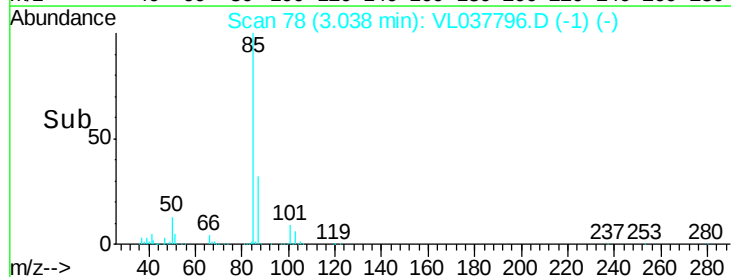
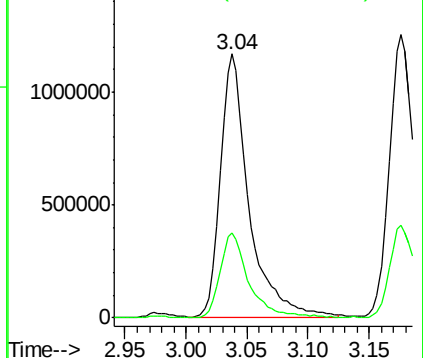
85 100

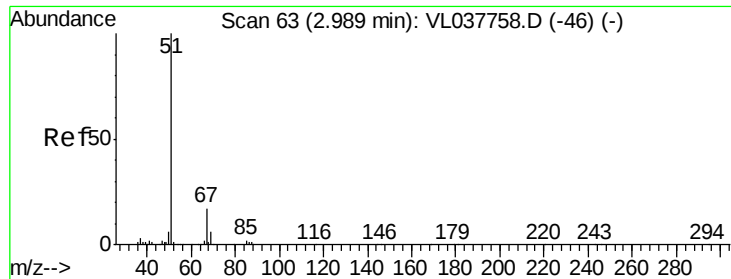
87 32.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.964 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.01 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 51 Resp: 2425005

Ion Ratio Lower Upper

51 100

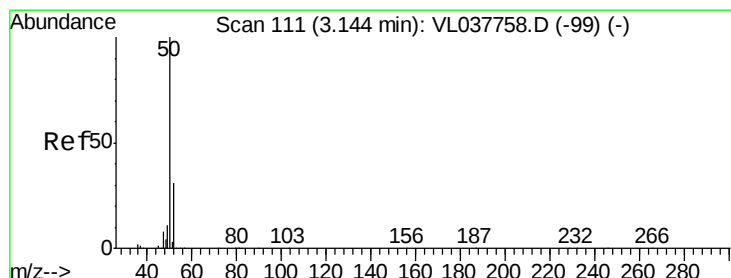
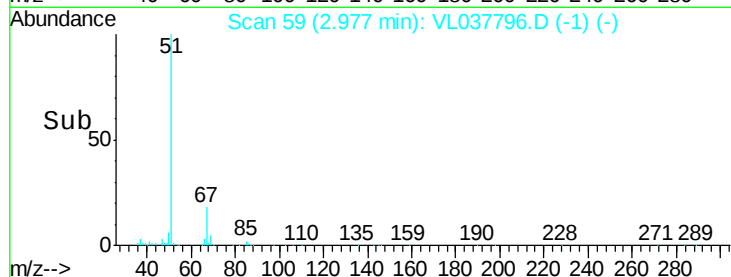
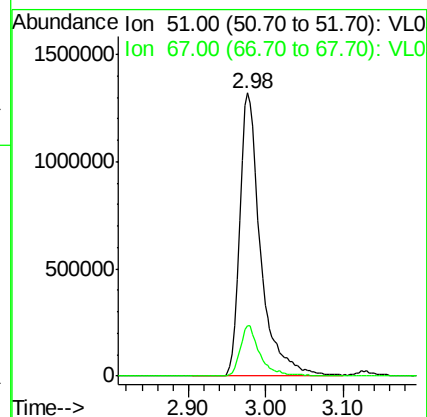
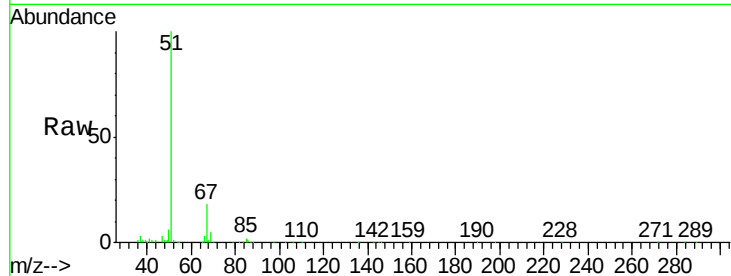
67 17.1 13.5 20.3

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#4

Chloromethane

Concen: 10.181 ppbv

RT: 3.13 min Scan# 107

Delta R.T. -0.01 min

Lab File: VL037796.D

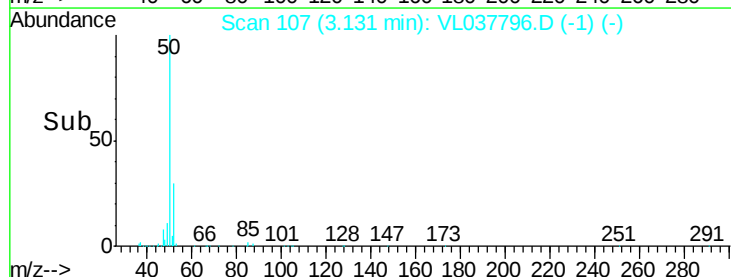
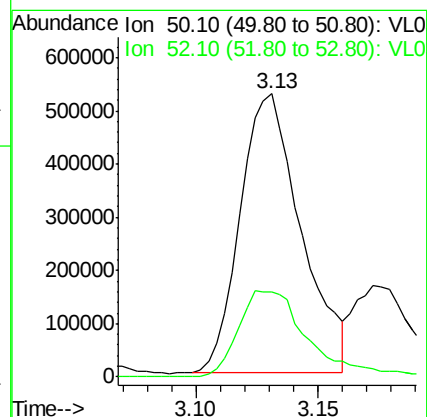
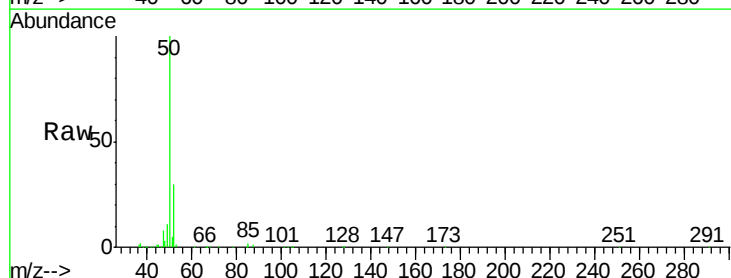
Acq: 7 Oct 2021 13:47

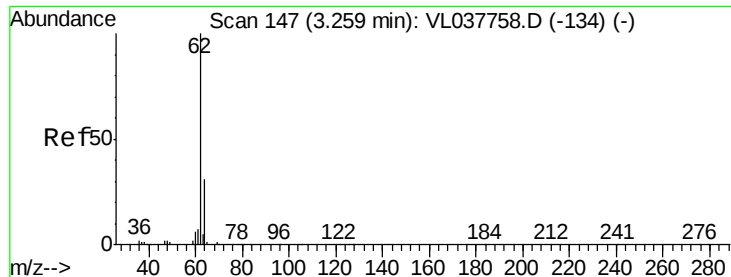
Tgt Ion: 50 Resp: 907557

Ion Ratio Lower Upper

50 100

52 30.3 24.4 36.6





#5

Vinyl Chloride

Concen: 11.048 ppbv

RT: 3.24 min Scan# 142

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 62 Resp: 902818

Ion Ratio Lower Upper

62 100

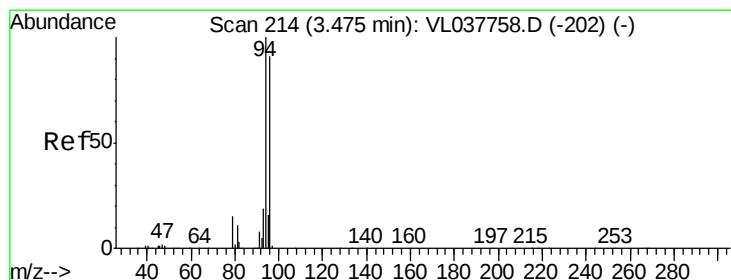
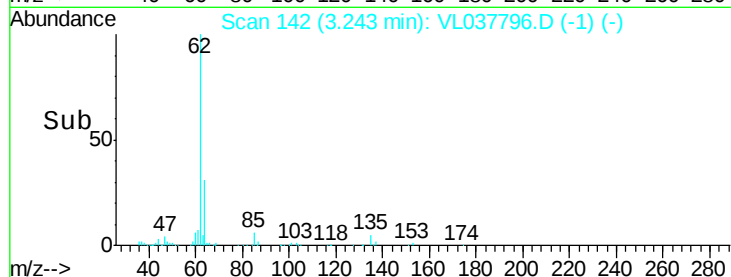
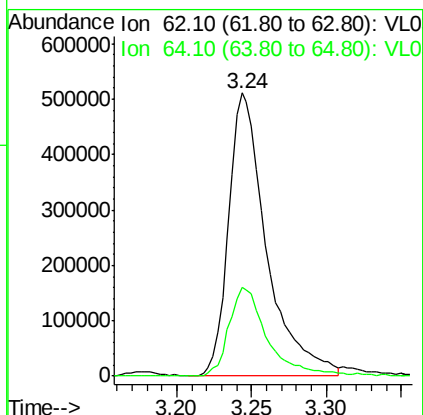
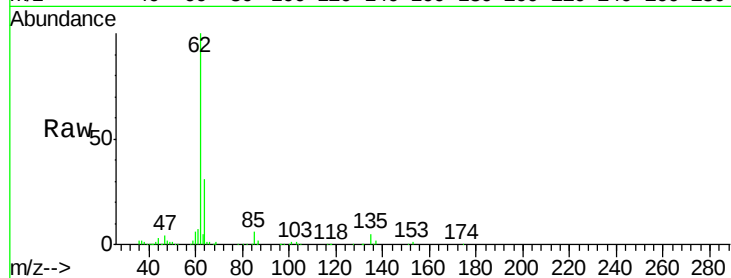
64 31.5 24.9 37.3

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#6

Bromomethane

Concen: 9.038 ppbv

RT: 3.46 min Scan# 209

Delta R.T. -0.02 min

Lab File: VL037796.D

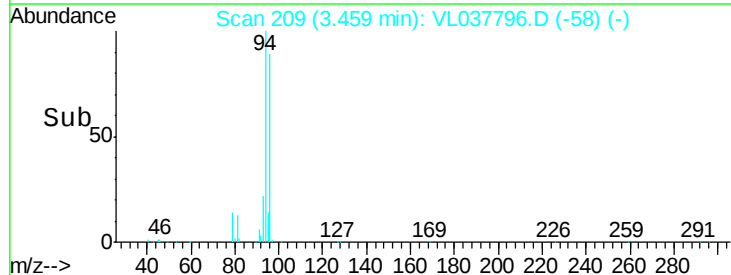
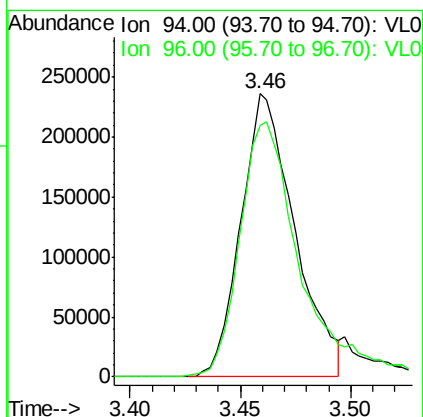
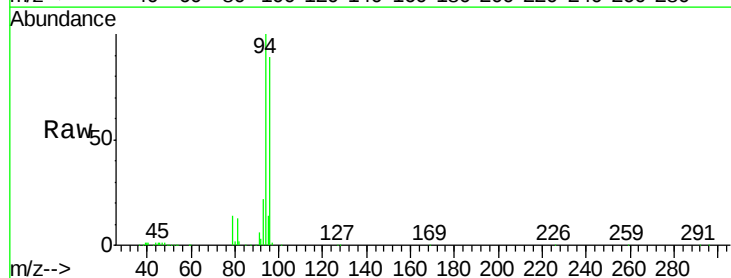
Acq: 7 Oct 2021 13:47

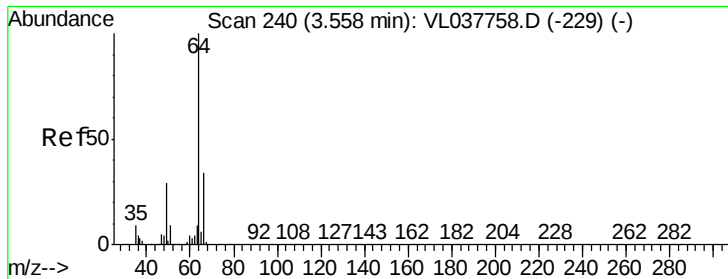
Tgt Ion: 94 Resp: 399490

Ion Ratio Lower Upper

94 100

96 88.4 72.5 108.7





#7

Chloroethane

Concen: 10.660 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 64 Resp: 320304

Ion Ratio Lower Upper

64 100

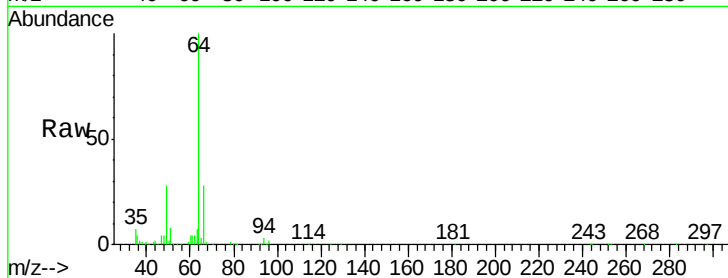
66 28.4 27.5 41.3

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Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

200000

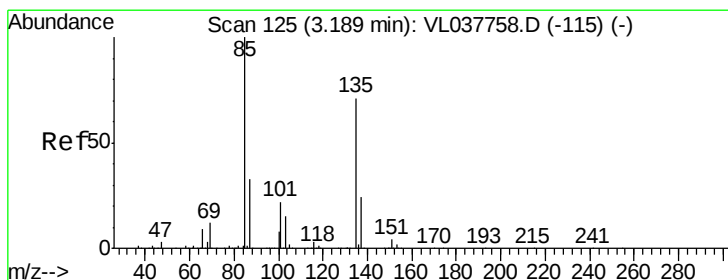
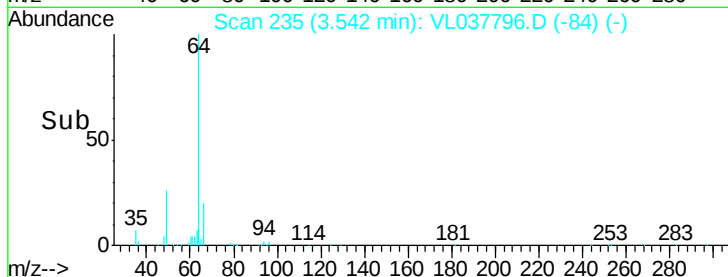
150000

100000

50000

0

Time--> 3.45 3.50 3.55 3.60 3.65



#8

Dichlorotetrafluoroethane

Concen: 10.055 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL037796.D

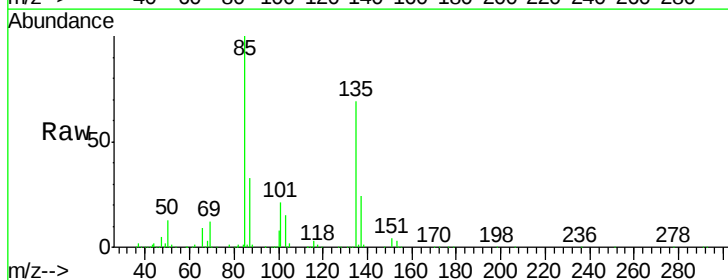
Acq: 7 Oct 2021 13:47

Tgt Ion: 85 Resp: 2010675

Ion Ratio Lower Upper

85 100

135 75.0 59.5 89.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

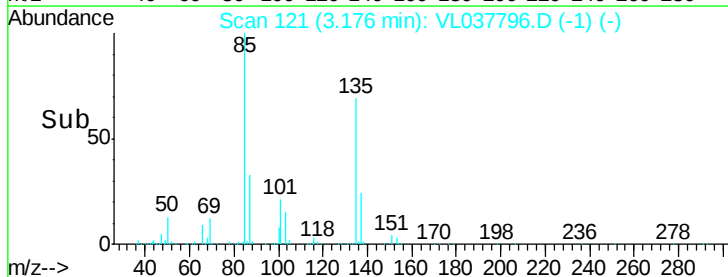
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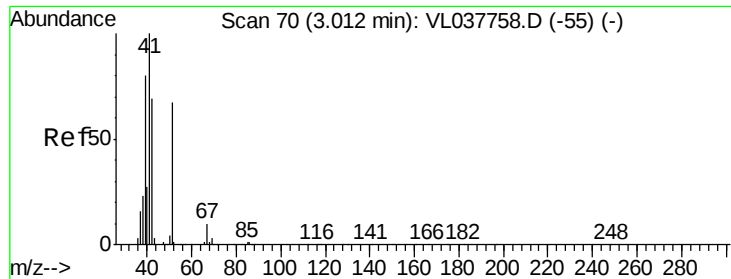
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500000

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Time--> 3.15 3.20 3.25





#9

Propene

Concen: 9.755 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 41 Resp: 873550

Ion Ratio Lower Upper

41 100

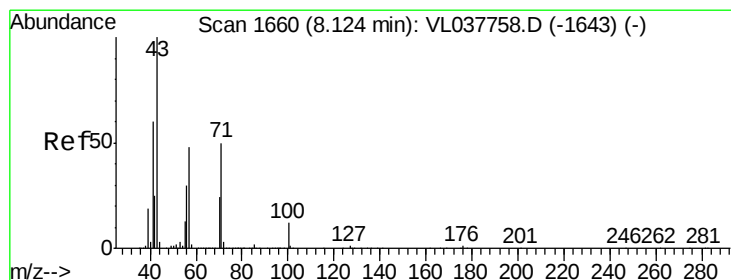
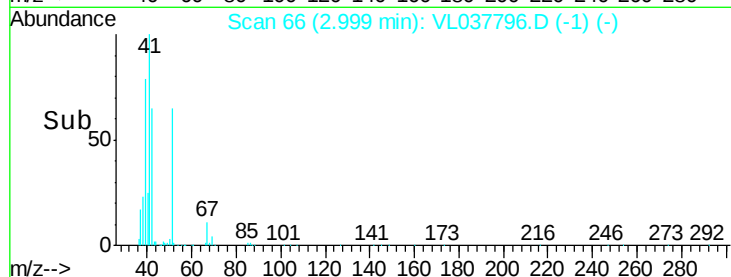
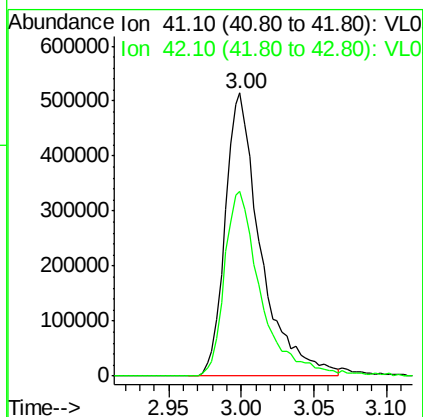
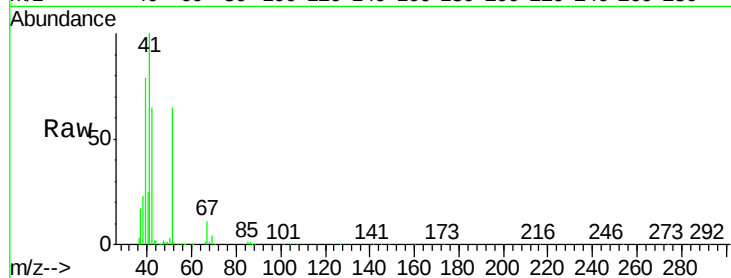
42 68.2 54.2 81.2

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#10

Heptane

Concen: 10.806 ppbv

RT: 8.10 min Scan# 1653

Delta R.T. -0.02 min

Lab File: VL037796.D

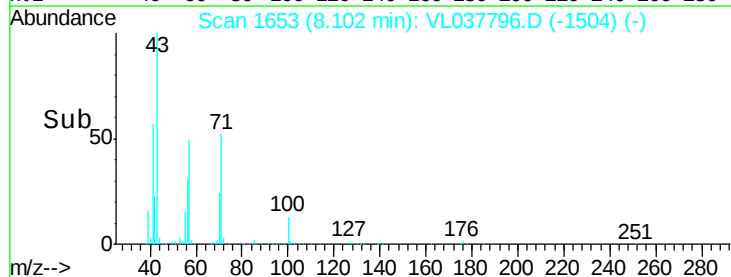
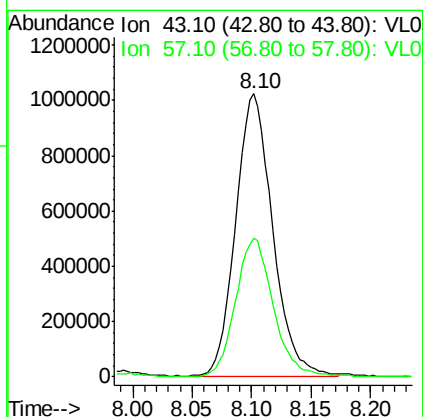
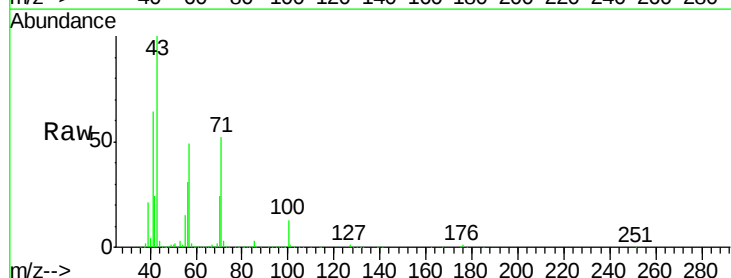
Acq: 7 Oct 2021 13:47

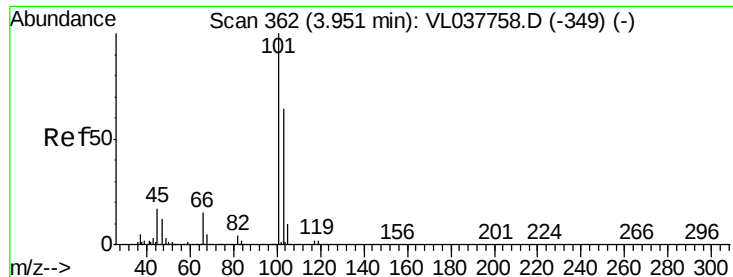
Tgt Ion: 43 Resp: 2197679

Ion Ratio Lower Upper

43 100

57 50.4 40.0 60.0





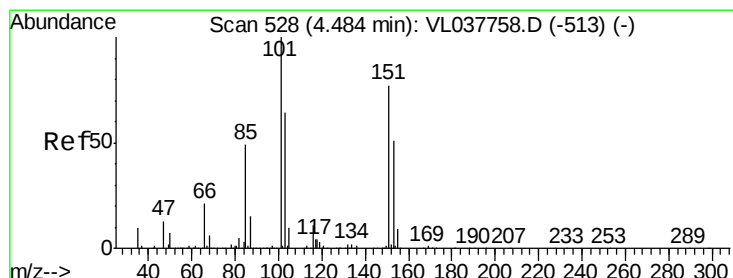
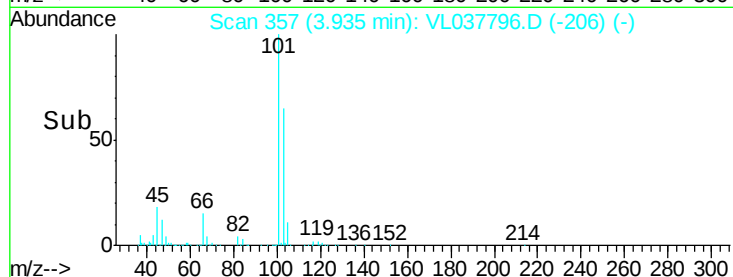
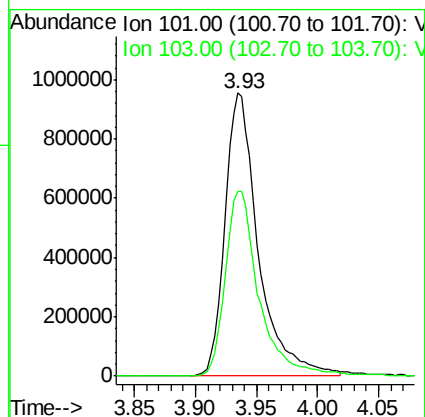
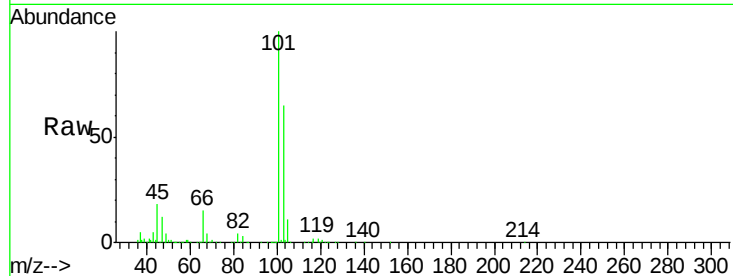
#11
 Trichlorofluoromethane
 Concen: 10.152 ppbv
 RT: 3.93 min Scan# 357
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:101 Resp: 1832506
 Ion Ratio Lower Upper
 101 100
 103 65.5 51.5 77.3

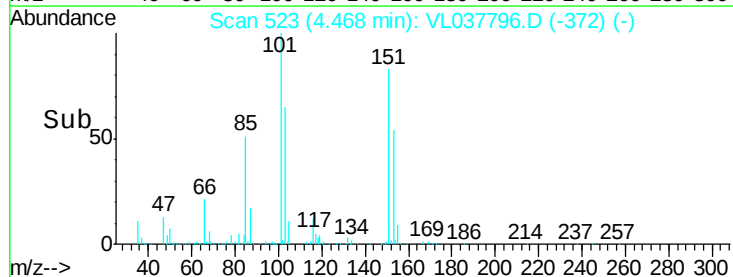
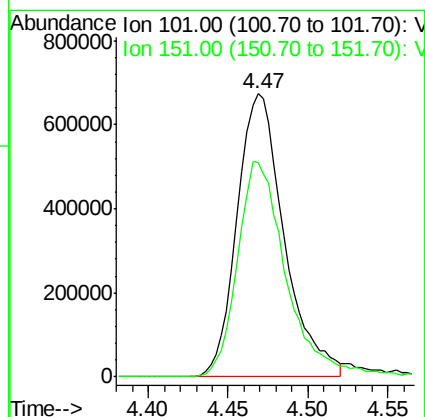
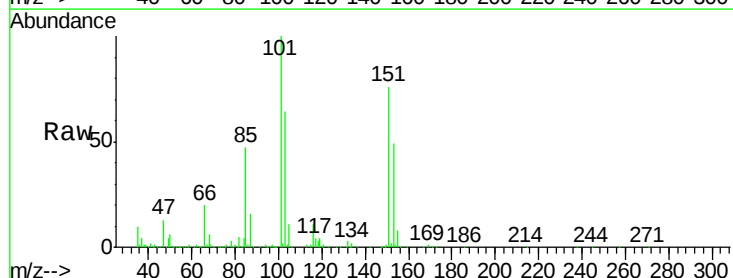
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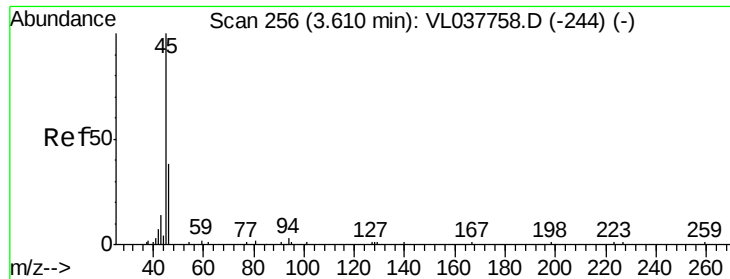
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.950 ppbv
 RT: 4.47 min Scan# 523
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion:101 Resp: 1360934
 Ion Ratio Lower Upper
 101 100
 151 79.5 62.9 94.3





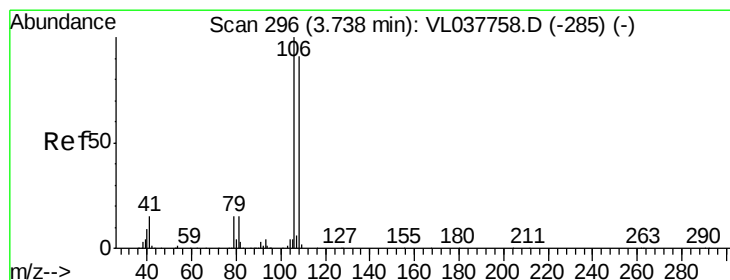
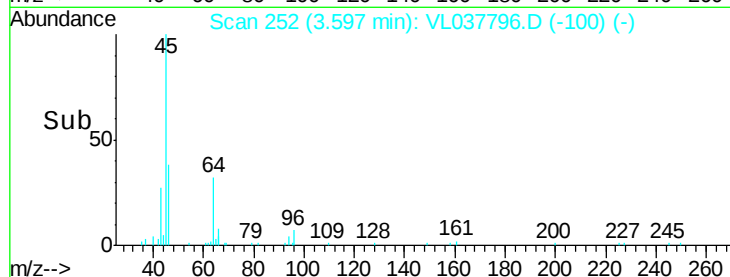
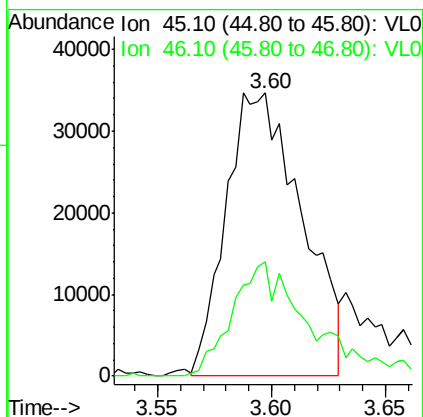
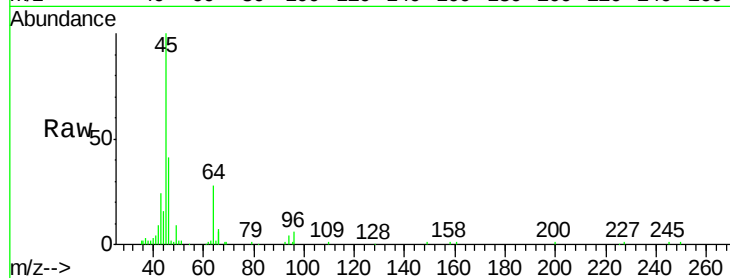
#13
Ethanol
Concen: 10.960 ppbv m
RT: 3.60 min Scan# 252
Delta R.T. -0.01 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 45 Resp: 80268
Ion Ratio Lower Upper
45 100
46 44.4 20.2 81.0

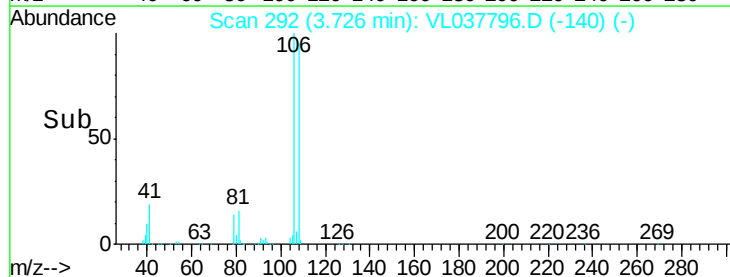
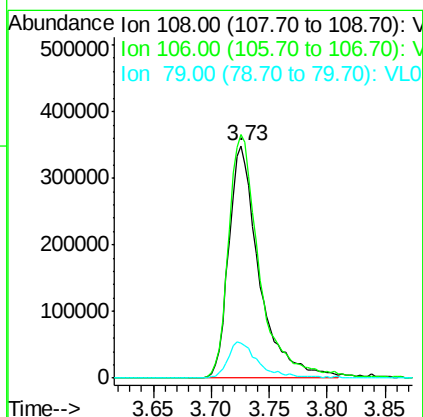
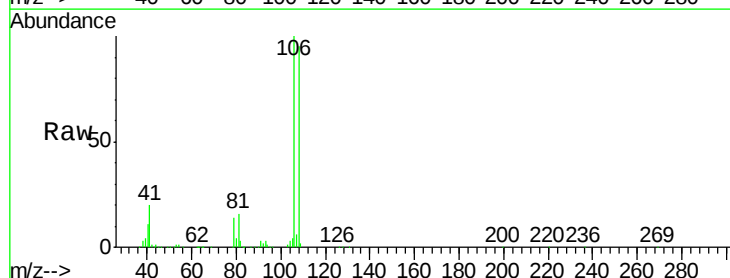
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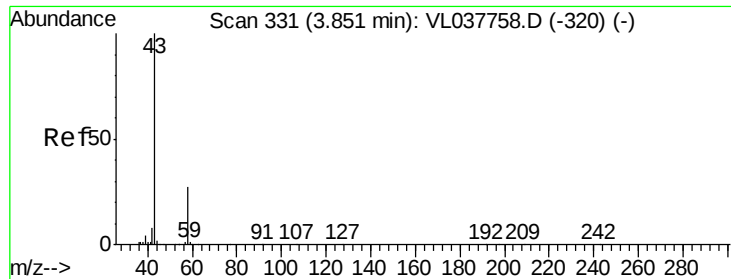
apatel
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#14
Bromoethene
Concen: 10.539 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.01 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 108 Resp: 633788
Ion Ratio Lower Upper
108 100
106 107.3 91.9 137.9
79 16.2 13.9 20.9





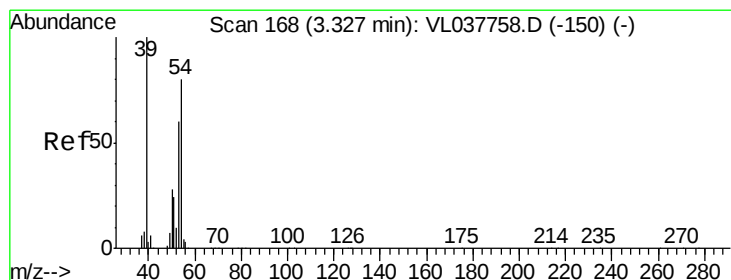
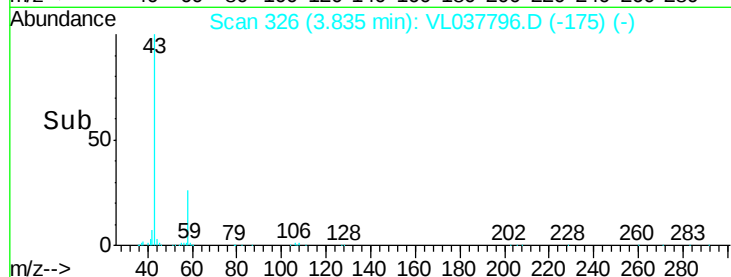
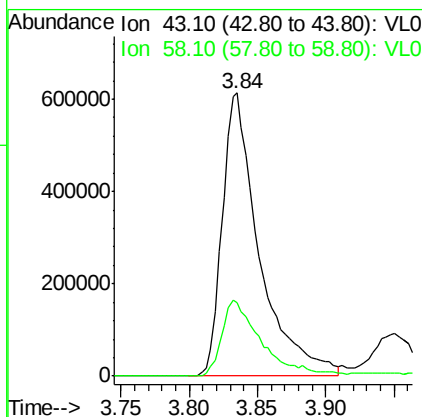
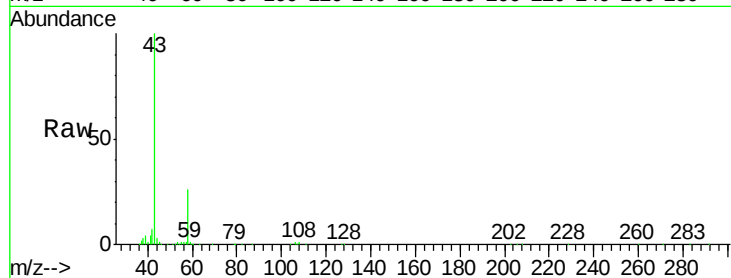
#15
Acetone
Concen: 10.188 ppbv
RT: 3.84 min Scan# 326
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1158512
Ion Ratio Lower Upper
43 100
58 28.8 23.0 34.6

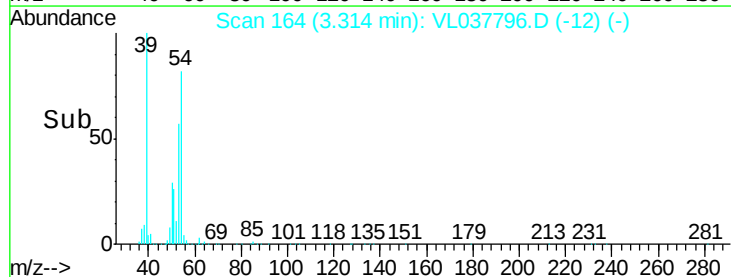
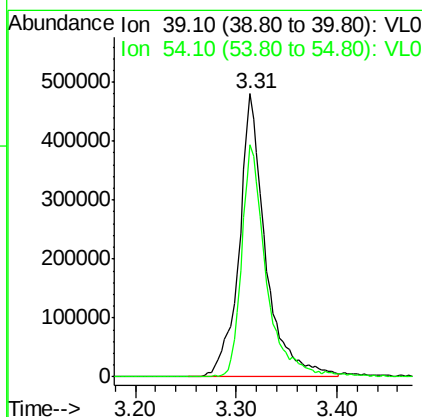
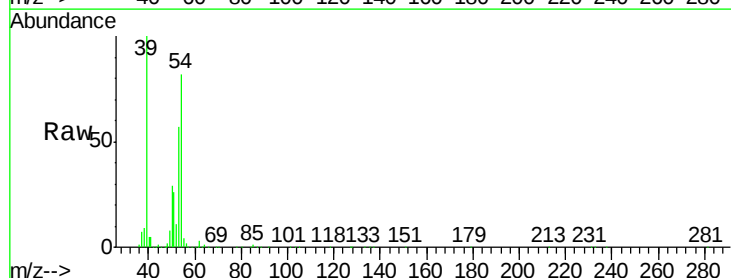
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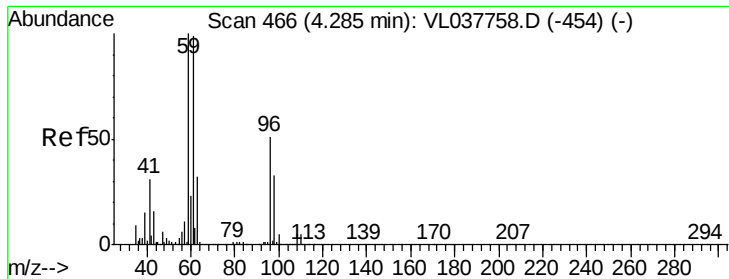
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#16
1,3-Butadiene
Concen: 10.544 ppbv
RT: 3.31 min Scan# 164
Delta R.T. -0.01 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 39 Resp: 872320
Ion Ratio Lower Upper
39 100
54 76.7 61.7 92.5





#17

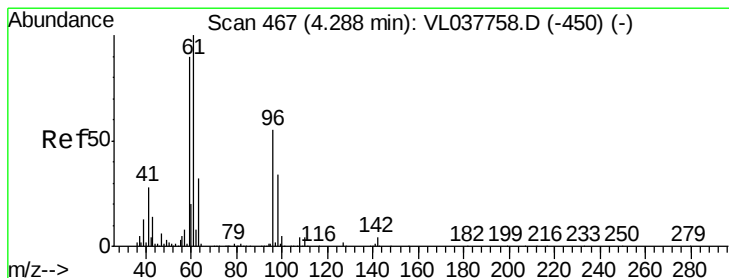
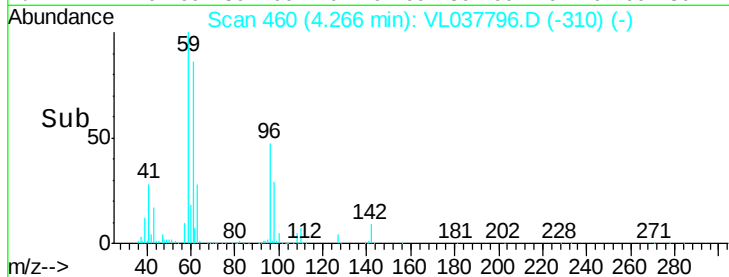
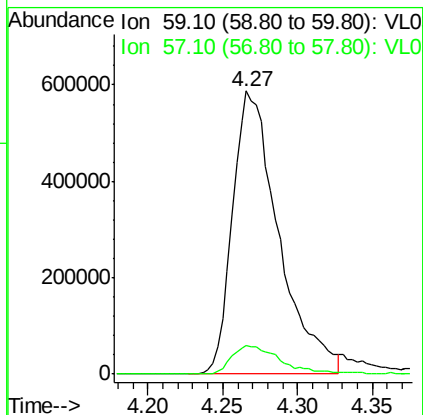
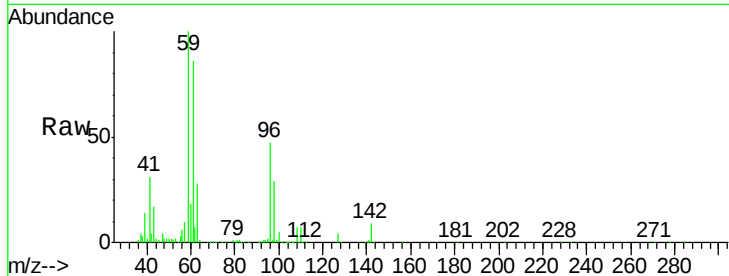
tert-Butyl alcohol
 Concen: 10.758 ppbv
 RT: 4.27 min Scan# 460
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 59 Resp: 1259830
 Ion Ratio Lower Upper
 59 100
 57 10.9 8.6 13.0

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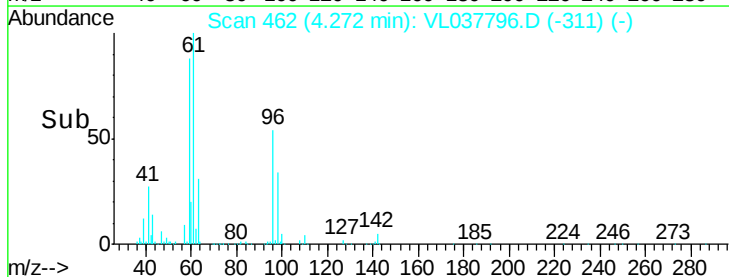
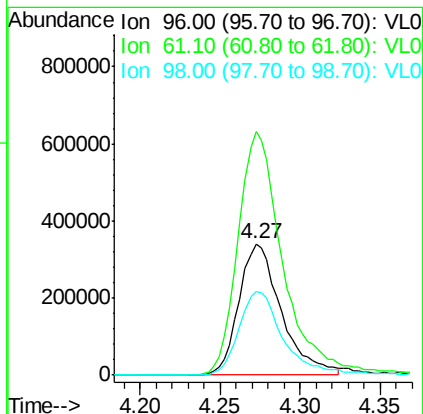
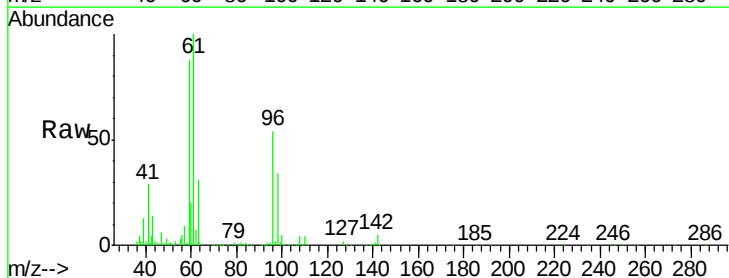
apatel
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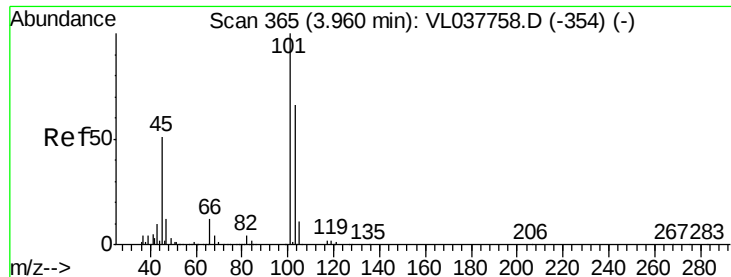


#18

1,1-Dichloroethene
 Concen: 9.929 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion: 96 Resp: 617150
 Ion Ratio Lower Upper
 96 100
 61 185.4 146.2 219.4
 98 63.9 50.0 75.0





#19

Isopropyl Alcohol

Concen: 10.972 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 45 Resp: 776177

Ion Ratio Lower Upper

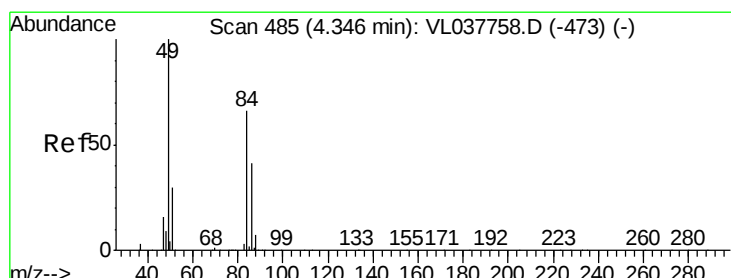
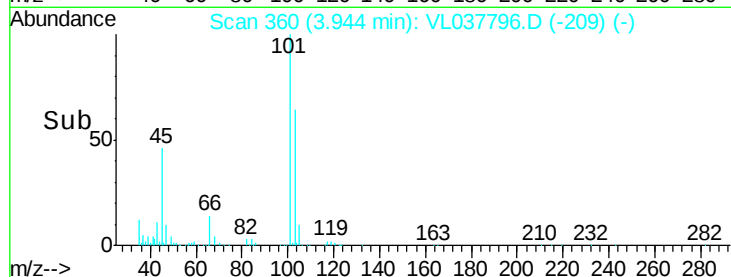
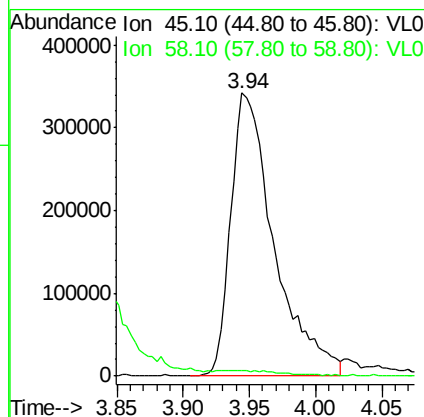
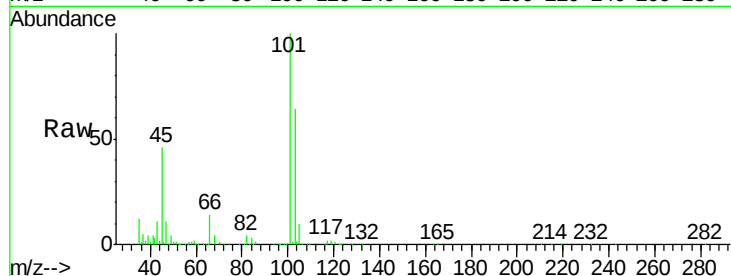
45 100

58 1.9 1.1 1.7#

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#20

Methylene Chloride

Concen: 9.110 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Tgt Ion: 84 Resp: 523416

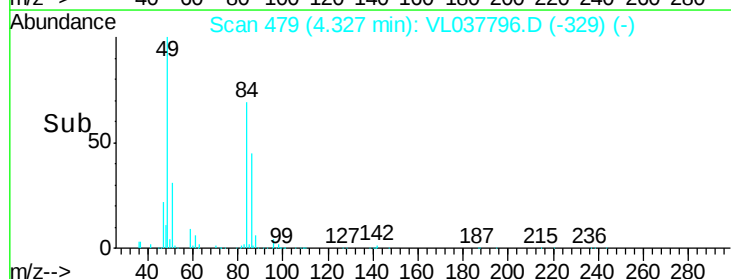
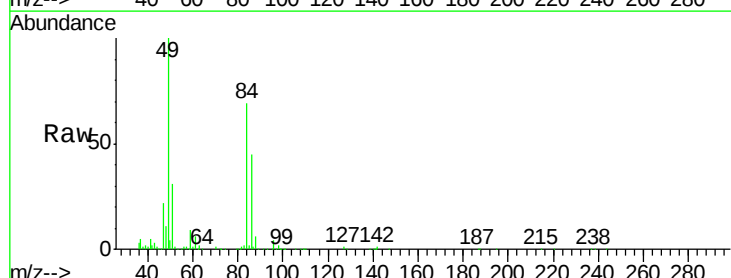
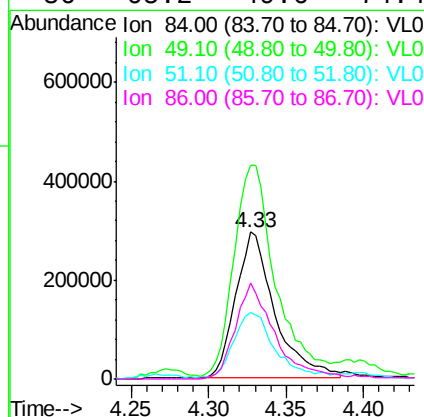
Ion Ratio Lower Upper

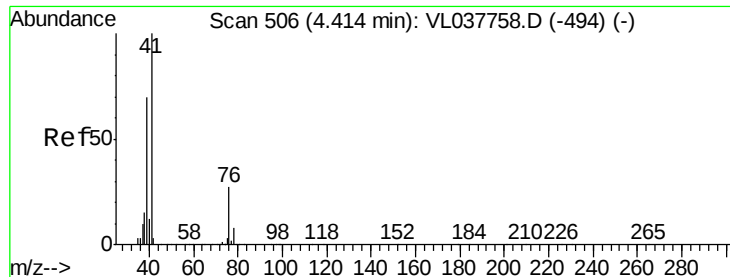
84 100

49 143.3 120.7 181.1

51 43.8 36.2 54.4

86 65.2 49.6 74.4





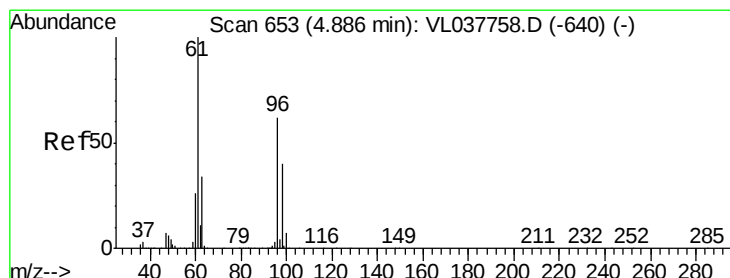
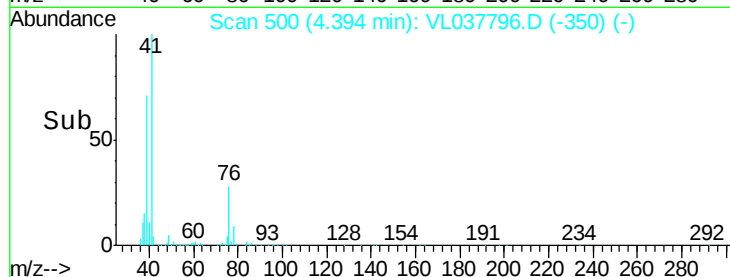
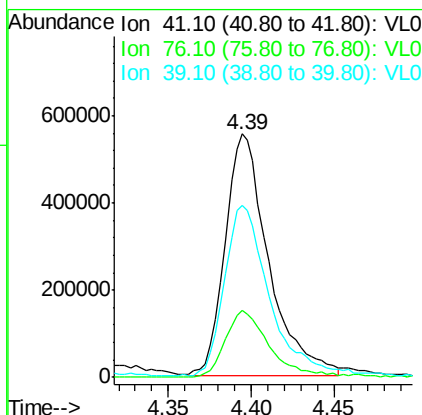
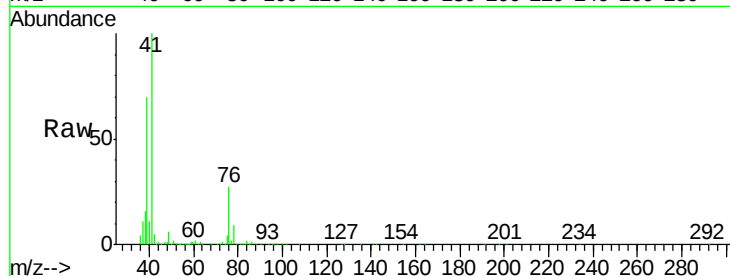
#21
 Allyl Chloride
 Concen: 10.017 ppbv
 RT: 4.39 min Scan# 500
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 41 Resp: 1009044
 Ion Ratio Lower Upper
 41 100
 76 28.7 22.4 33.6
 39 75.5 58.0 87.0

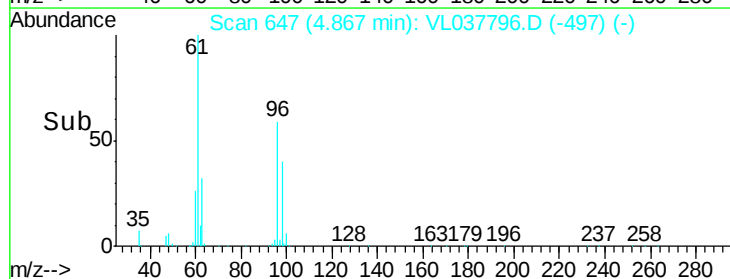
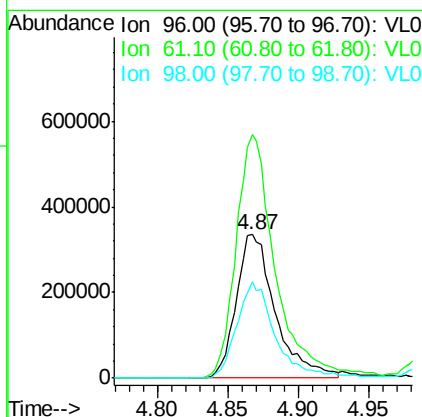
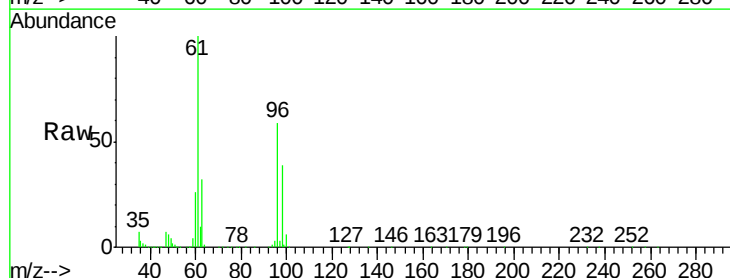
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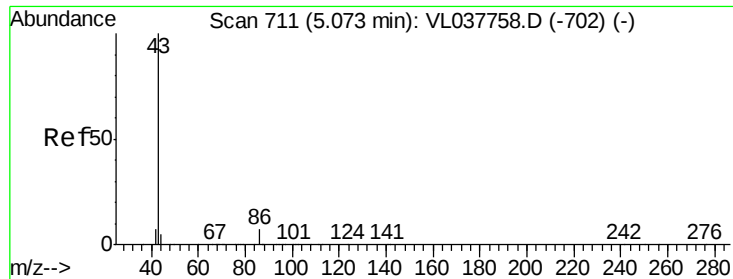
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#22
 trans-1,2-Dichloroethene
 Concen: 10.387 ppbv
 RT: 4.87 min Scan# 647
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion: 96 Resp: 649072
 Ion Ratio Lower Upper
 96 100
 61 170.0 129.0 193.6
 98 66.9 51.7 77.5





#23

Vinyl Acetate

Concen: 9.552 ppbv

RT: 5.05 min Scan# 705

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1627643

Ion Ratio Lower Upper

43 100

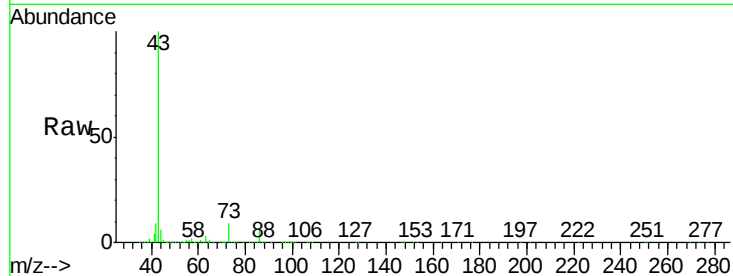
86 6.2 5.0 7.4

42 8.6 7.4 11.0

44 5.1 3.8 5.6

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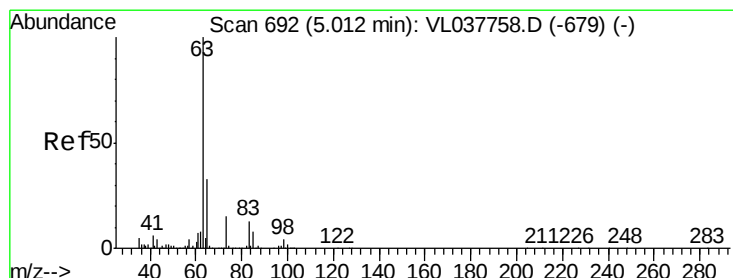
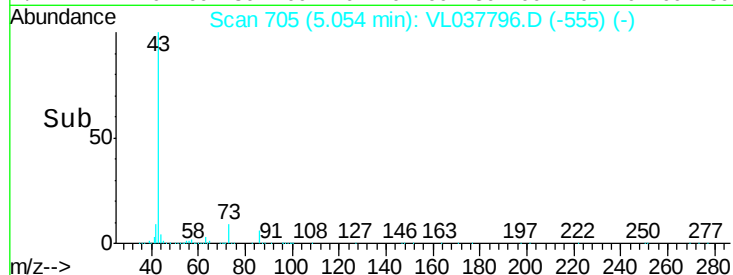
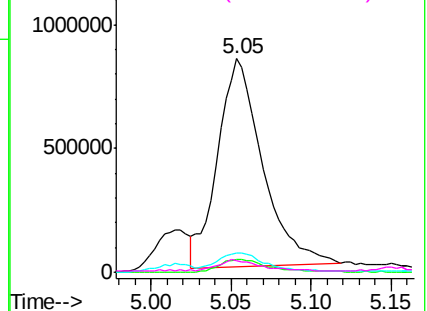


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 10.538 ppbv

RT: 4.99 min Scan# 686

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

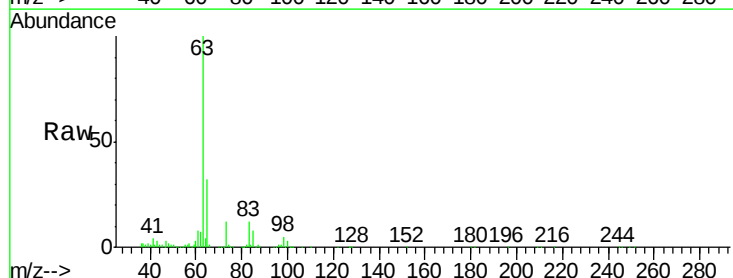
Tgt Ion: 63 Resp: 1307155

Ion Ratio Lower Upper

63 100

98 4.4 2.3 6.9

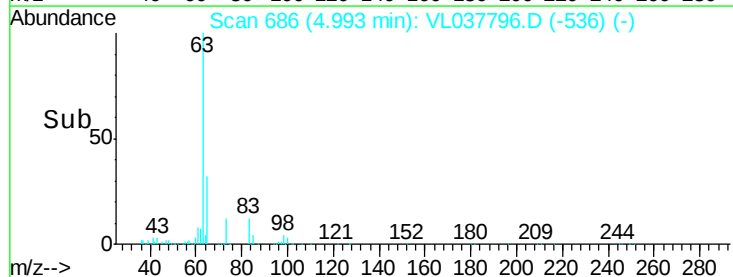
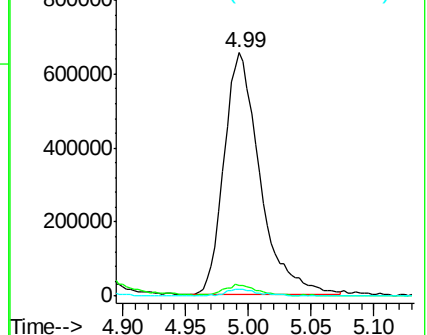
100 2.6 1.1 3.1

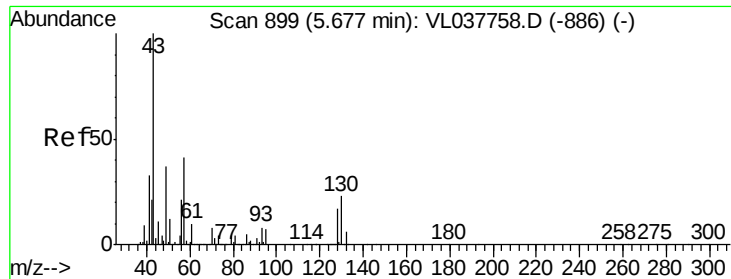


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





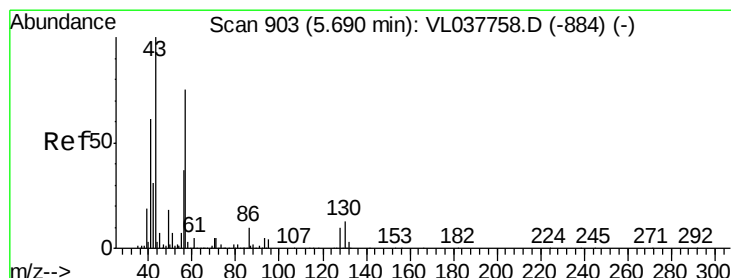
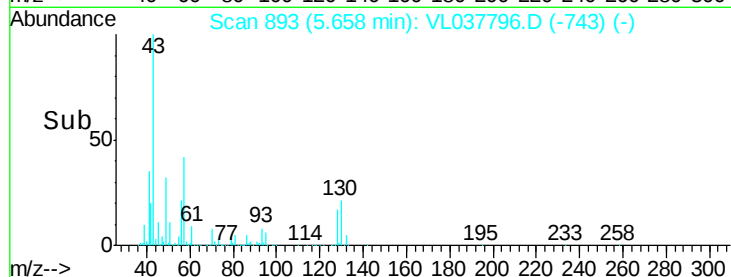
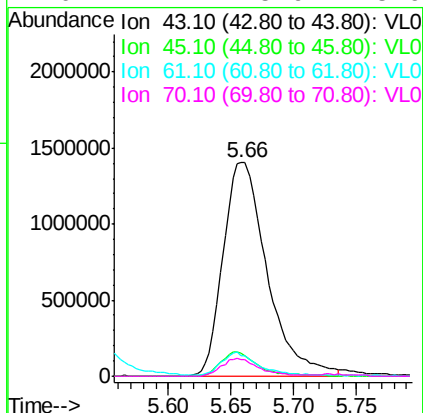
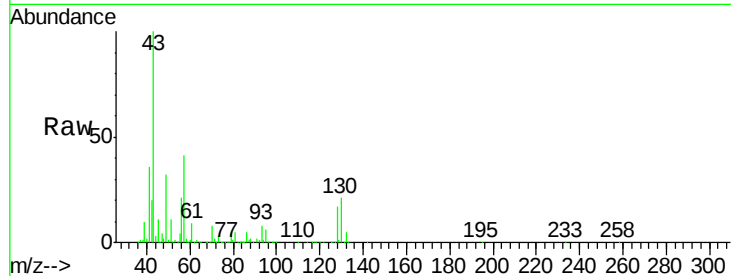
#25
Ethyl Acetate
Concen: 10.632 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.1	12.1
61	10.1	7.5	11.3
70	7.1	5.9	8.9

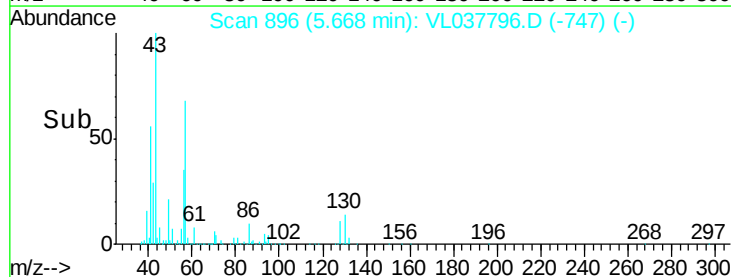
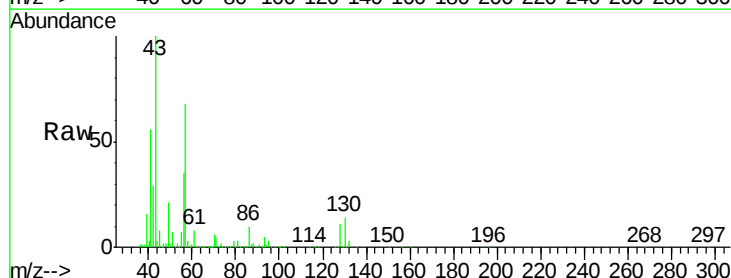
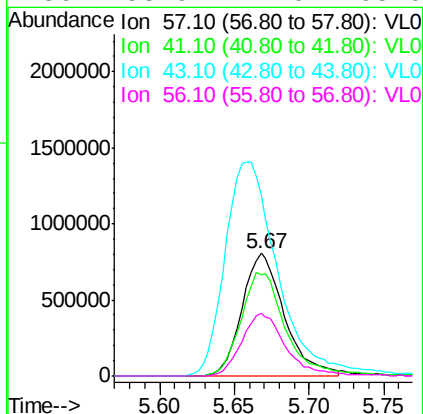
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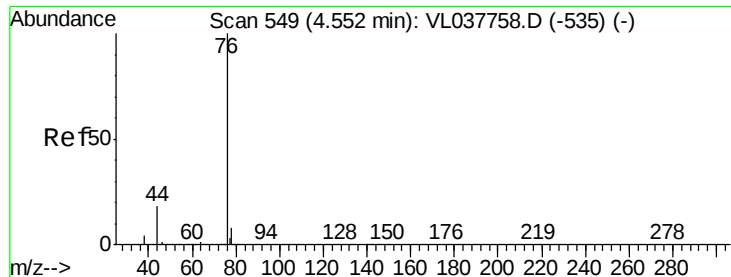
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#26
Hexane
Concen: 10.094 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion	Ratio	Lower	Upper
57	100		
41	90.7	69.6	104.4
43	220.0	171.4	257.0
56	53.9	42.0	63.0





#27

Carbon Disulfide

Concen: 11.309 ppbv

RT: 4.53 min Scan# 543

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 76 Resp: 1574723

Ion Ratio Lower Upper

76 100

44 17.3 14.3 21.5

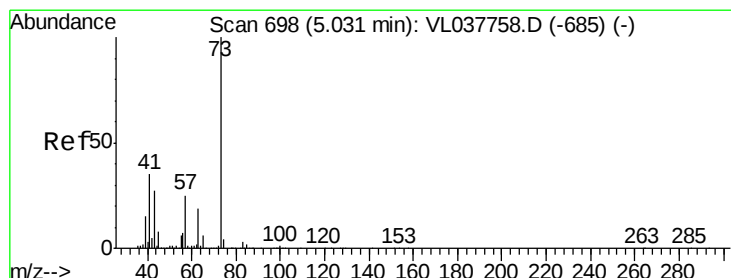
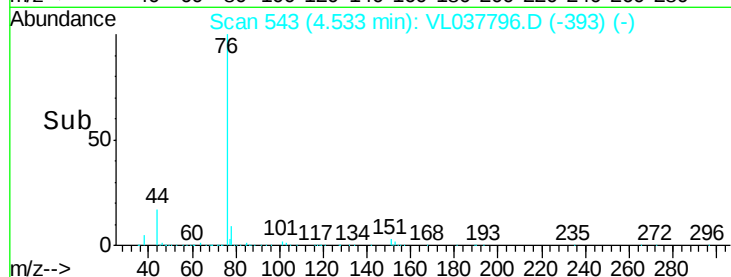
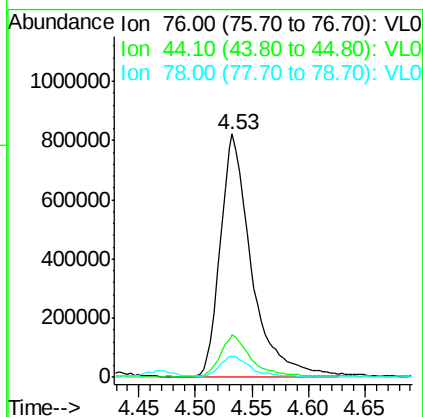
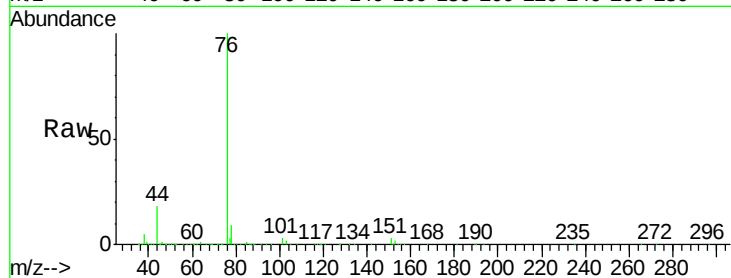
78 9.2 7.8 11.6

Manual Integrations

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#28

Methyl tert-Butyl Ether

Concen: 10.384 ppbv

RT: 5.02 min Scan# 693

Delta R.T. -0.02 min

Lab File: VL037796.D

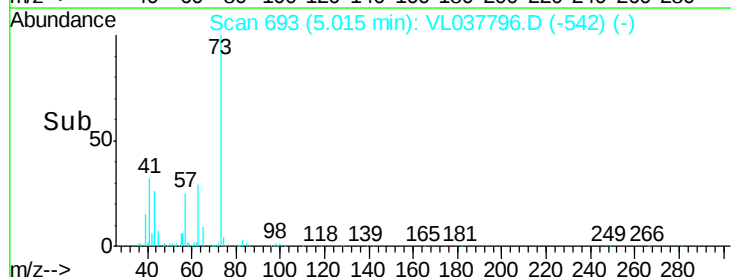
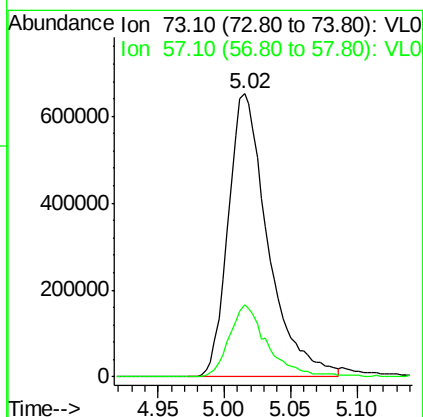
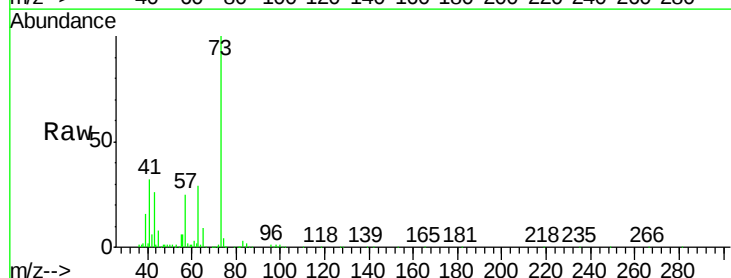
Acq: 7 Oct 2021 13:47

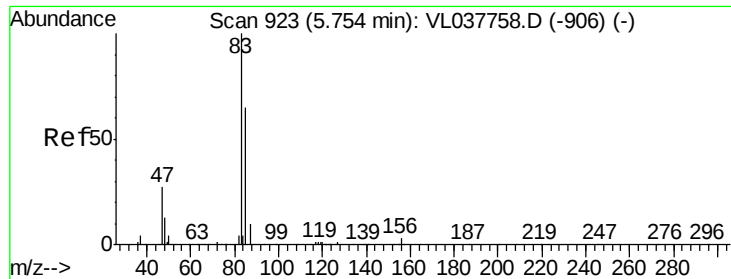
Tgt Ion: 73 Resp: 1358391

Ion Ratio Lower Upper

73 100

57 24.7 20.4 30.6





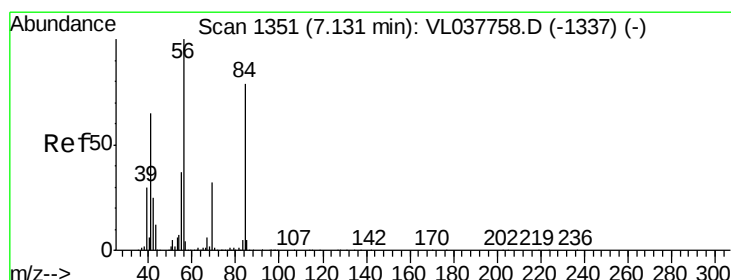
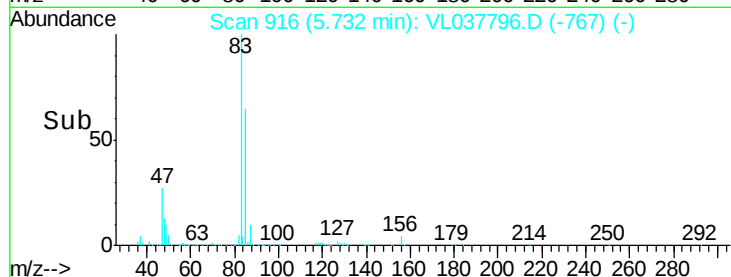
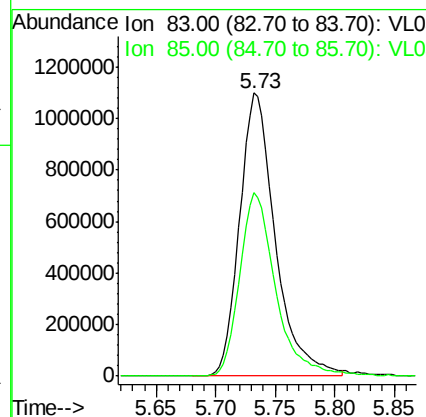
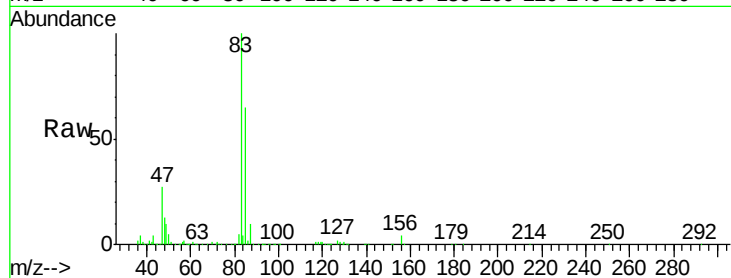
#29
Chloroform
Concen: 10.190 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 83 Resp: 2288442
Ion Ratio Lower Upper
83 100
85 64.4 51.8 77.8

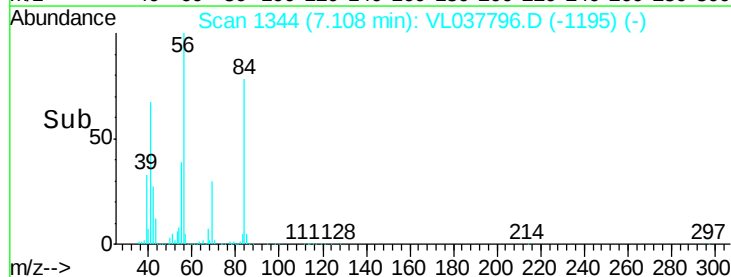
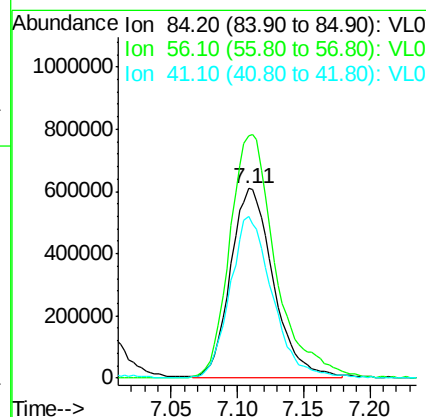
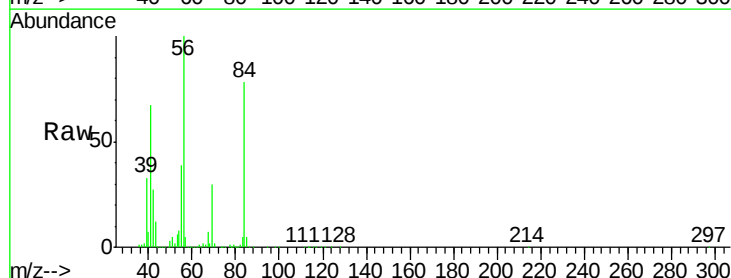
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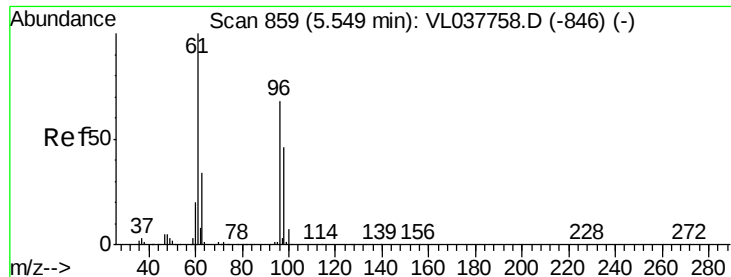
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#30
Cyclohexane
Concen: 10.274 ppbv
RT: 7.11 min Scan# 1344
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 84 Resp: 1368854
Ion Ratio Lower Upper
84 100
56 138.3 113.0 169.4
41 84.5 69.1 103.7





#31

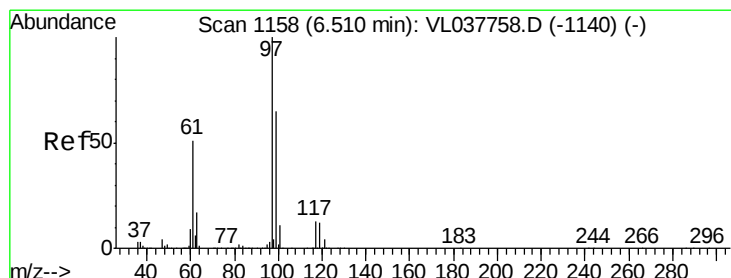
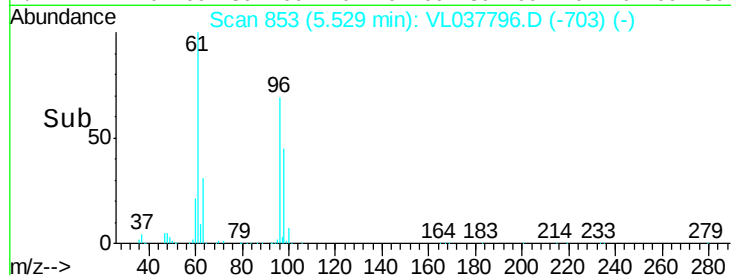
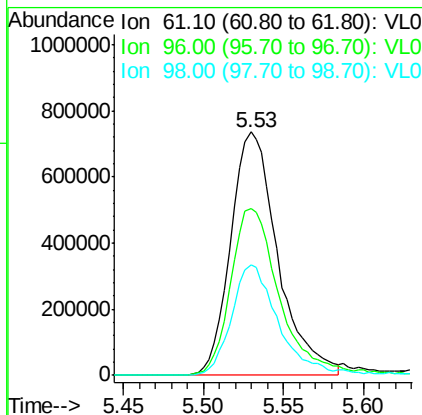
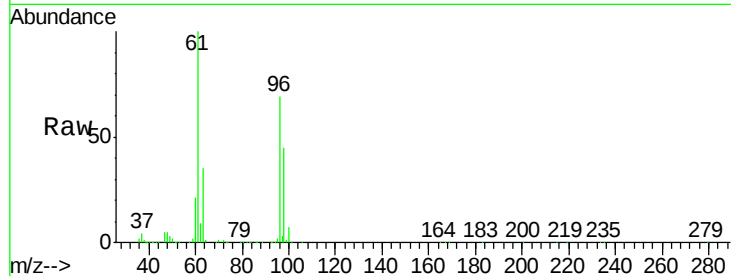
cis-1,2-Dichloroethene
 Concen: 10.353 ppbv
 RT: 5.53 min Scan# 853
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
61	100		
96	68.5	54.2	81.2
98	45.4	36.6	54.8

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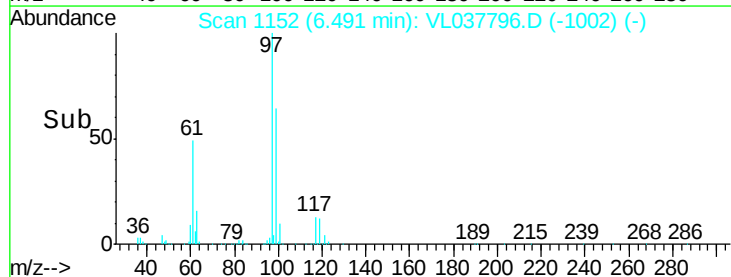
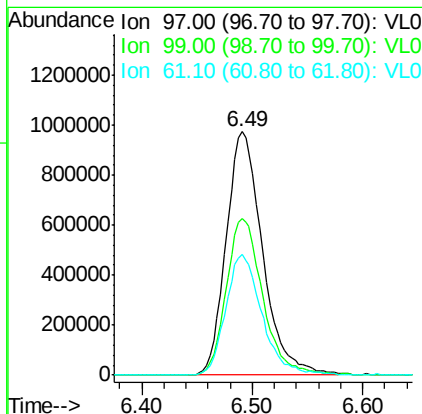
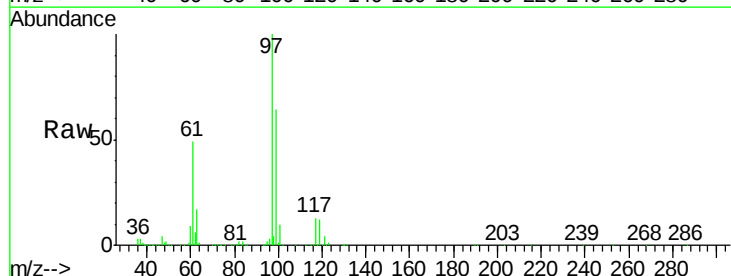
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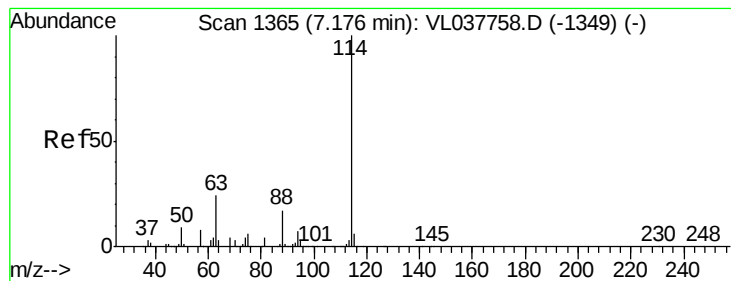


#32

1,1,1-Trichloroethane
 Concen: 10.471 ppbv
 RT: 6.49 min Scan# 1152
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.5	52.6	78.8
61	49.4	40.2	60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1359

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 114 Resp: 3782382

Ion Ratio Lower Upper

114 100

63 24.0 19.4 29.2

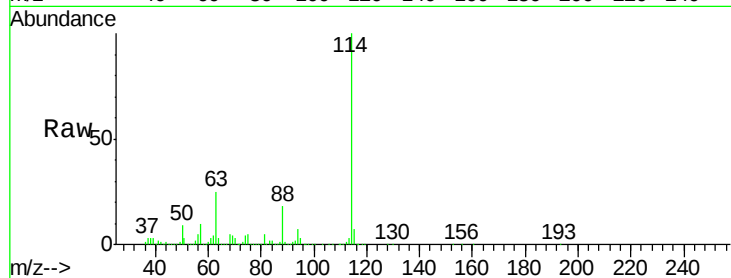
88 17.9 14.4 21.6

Manual Integrations

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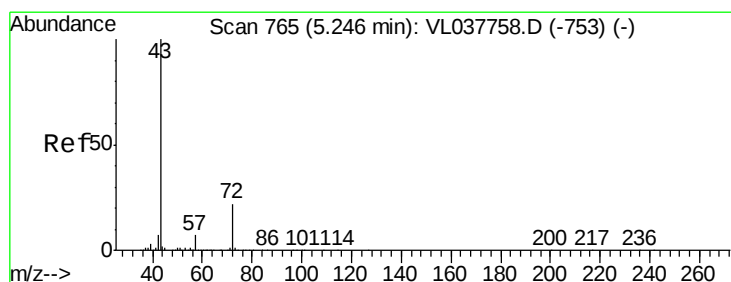
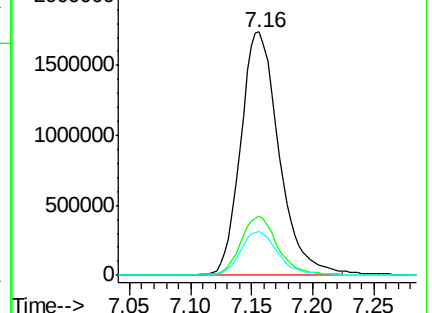
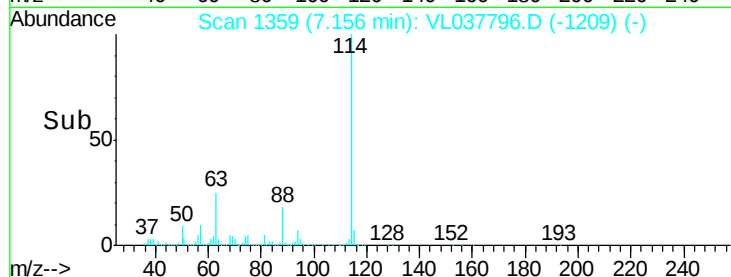
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Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.927 ppbv

RT: 5.22 min Scan# 758

Delta R.T. -0.02 min

Lab File: VL037796.D

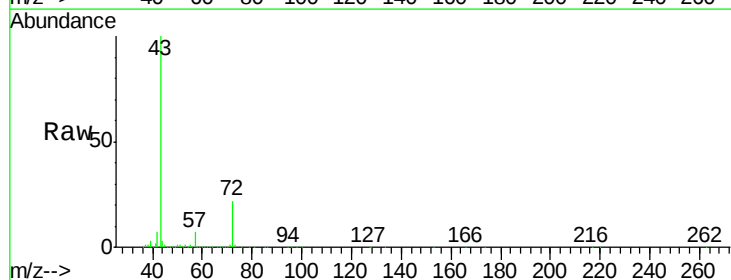
Acq: 7 Oct 2021 13:47

Tgt Ion: 43 Resp: 1515830

Ion Ratio Lower Upper

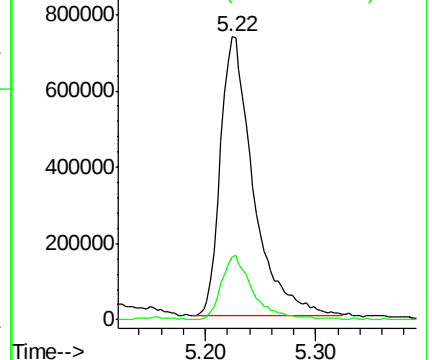
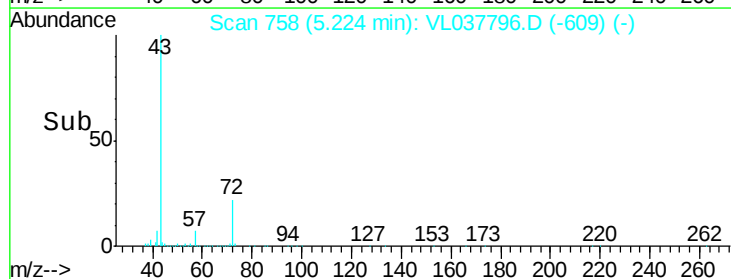
43 100

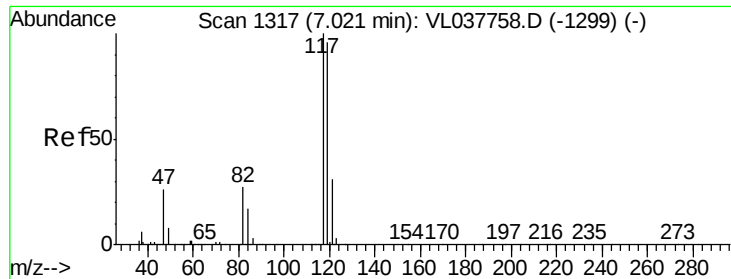
72 22.3 18.2 27.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





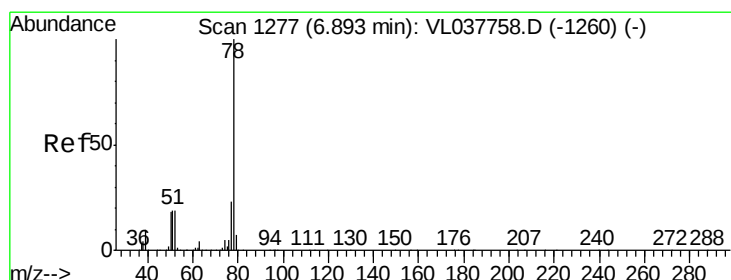
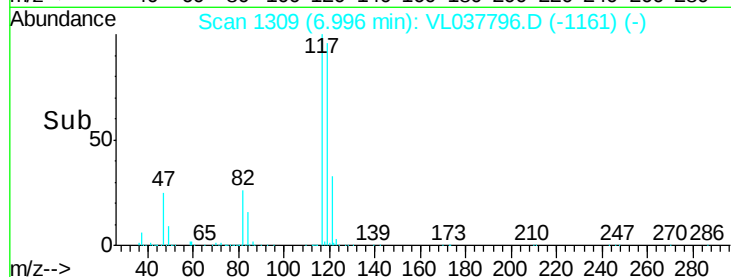
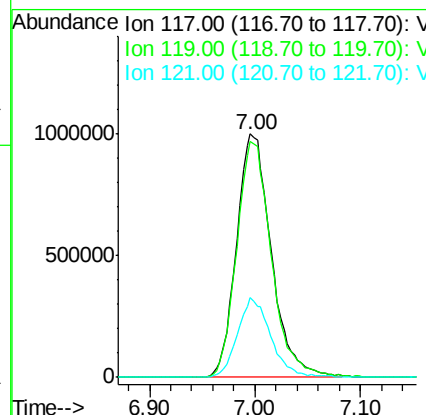
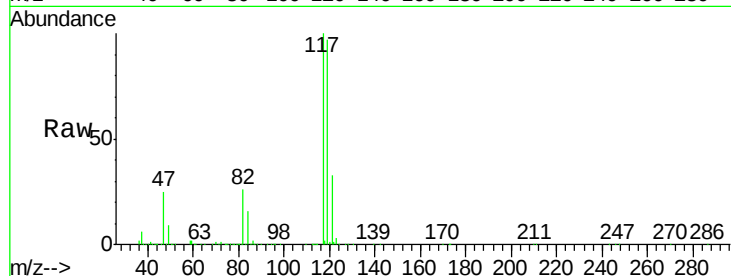
#35
Carbon Tetrachloride
Concen: 10.673 ppbv
RT: 7.00 min Scan# 1309
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:117 Resp: 2292626
Ion Ratio Lower Upper
117 100
119 96.8 76.5 114.7
121 32.8 24.9 37.3

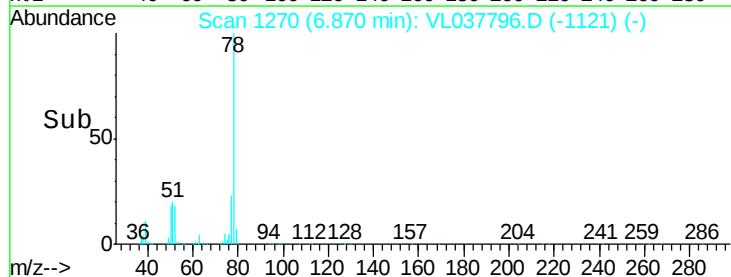
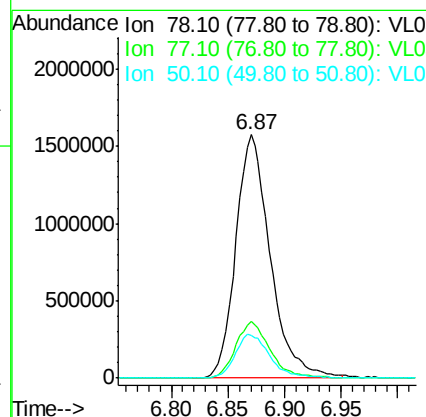
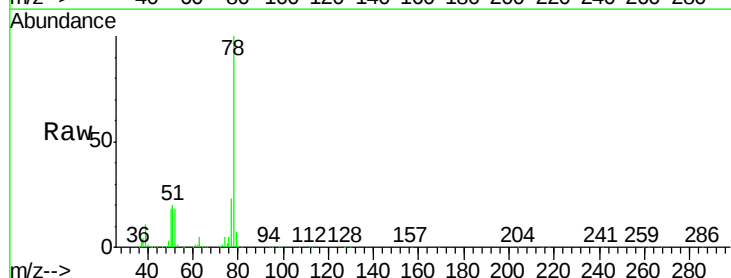
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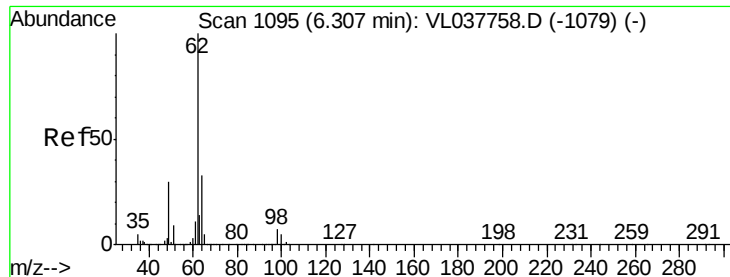
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#36
Benzene
Concen: 10.327 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 78 Resp: 3336293
Ion Ratio Lower Upper
78 100
77 23.1 18.8 28.2
50 17.6 14.7 22.1





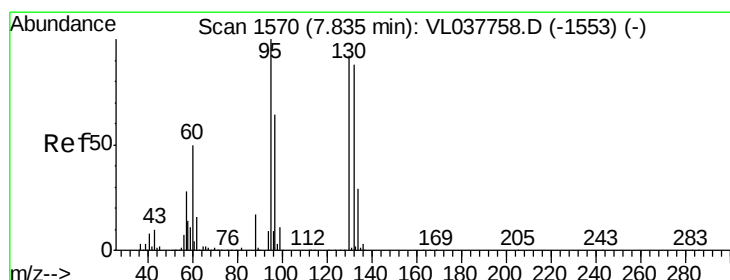
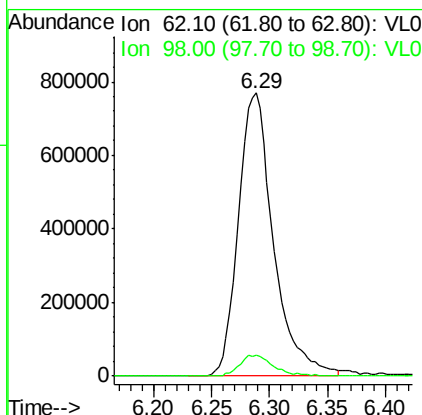
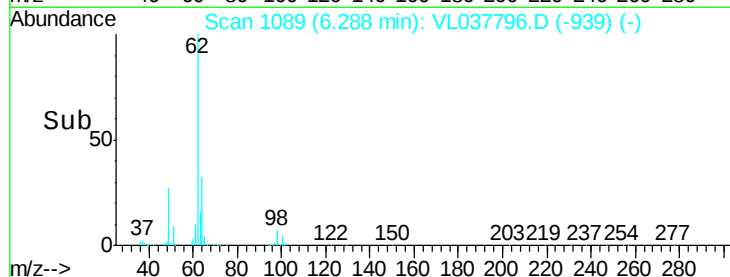
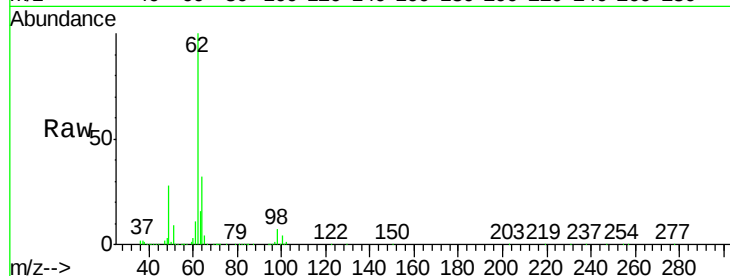
#37
1,2-Dichloroethane
Concen: 10.653 ppbv
RT: 6.29 min Scan# 1089
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 62 Resp: 1620530
Ion Ratio Lower Upper
62 100
98 7.6 6.1 9.1

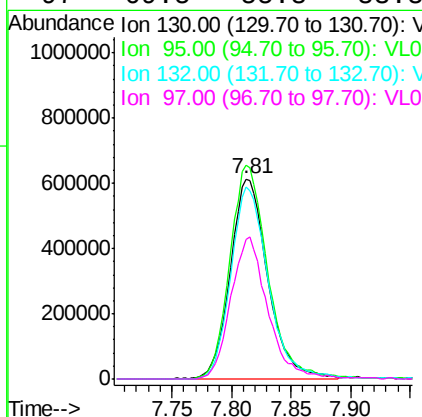
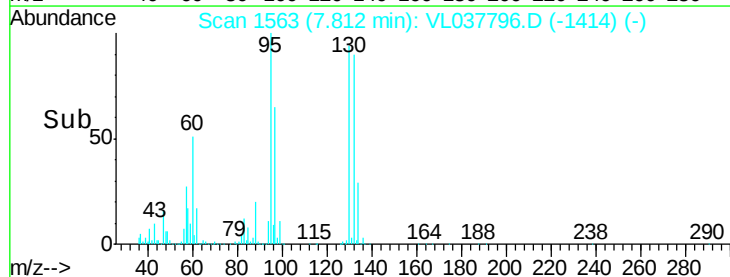
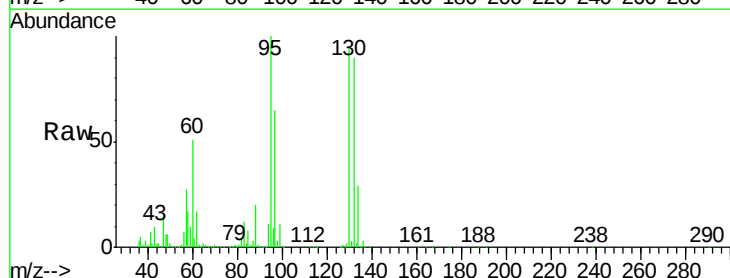
Manual Integrations
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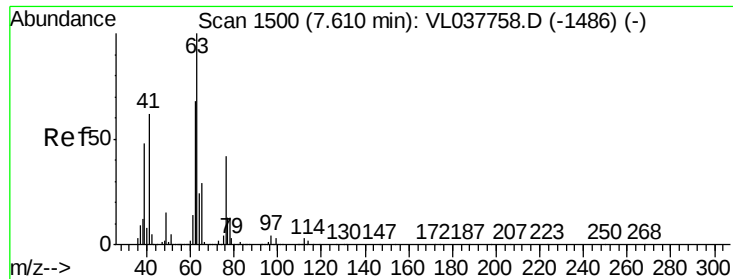
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#38
Trichloroethene
Concen: 10.387 ppbv
RT: 7.81 min Scan# 1563
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 130 Resp: 1325706
Ion Ratio Lower Upper
130 100
95 106.8 87.4 131.0
132 96.2 76.8 115.2
97 69.5 55.8 83.8





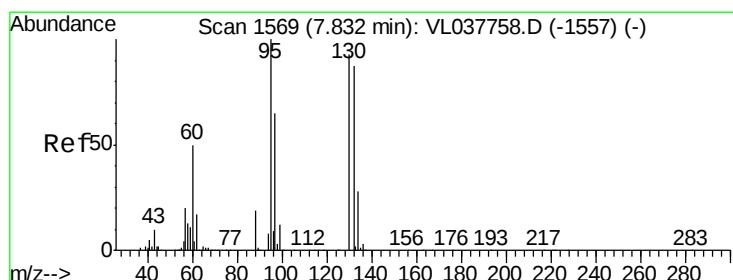
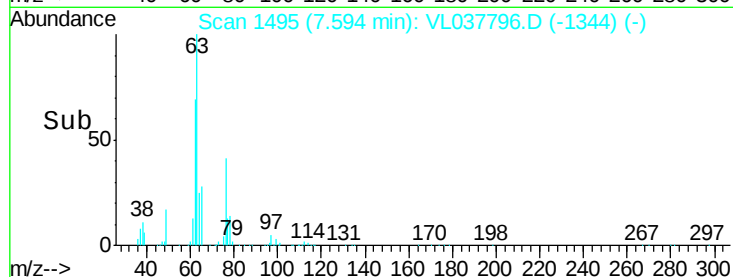
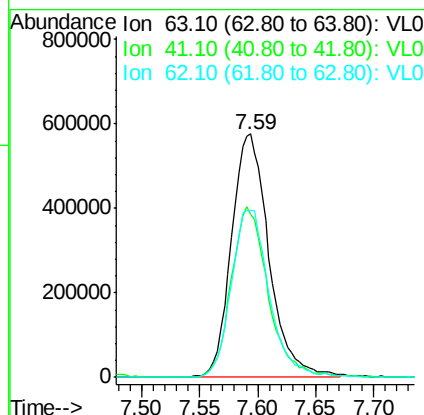
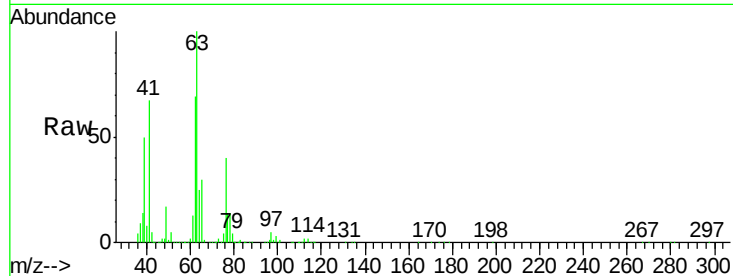
#39
 1,2-Dichloropropane
 Concen: 10.607 ppbv
 RT: 7.59 min Scan# 1495
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
63	100		
41	66.8	49.8	74.6
62	68.5	54.6	82.0

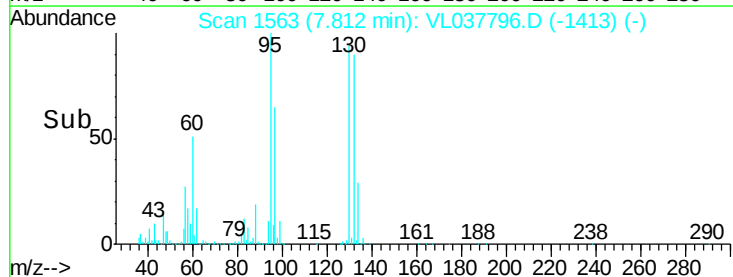
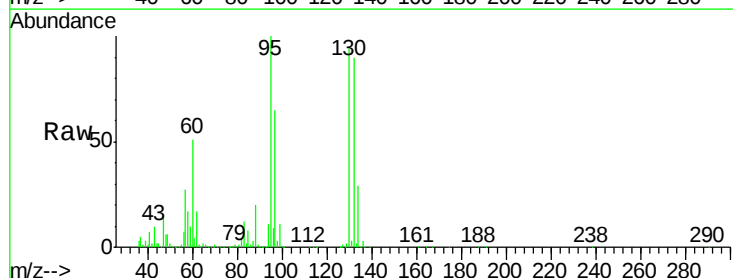
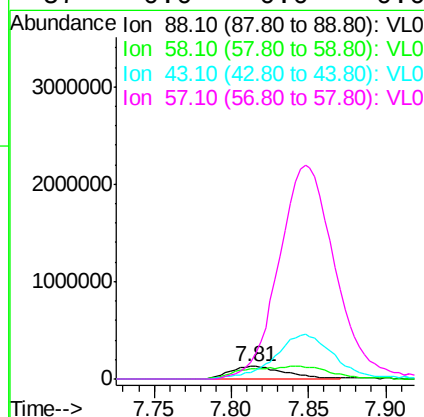
Manual Integrations
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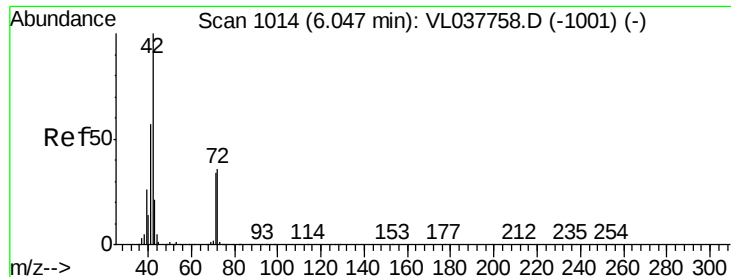
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#40
 1,4-Dioxane
 Concen: 10.483 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt 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





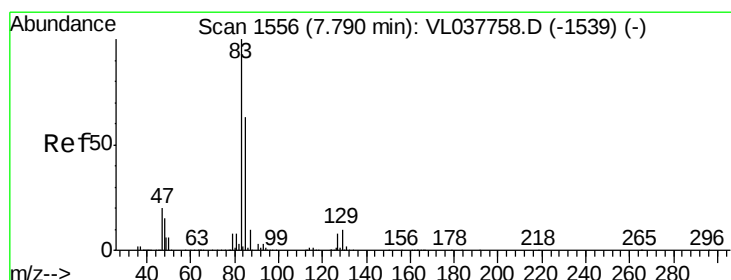
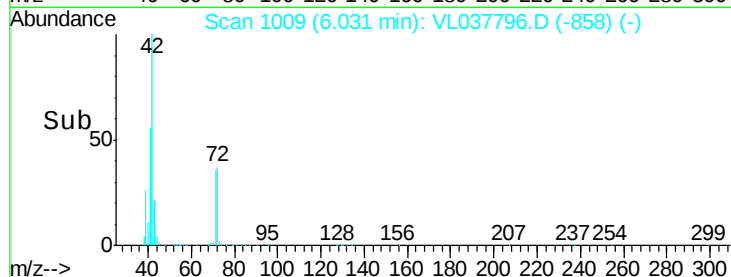
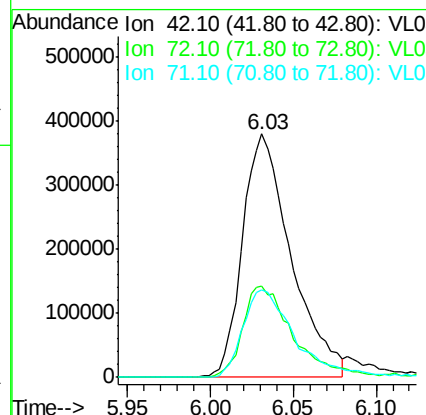
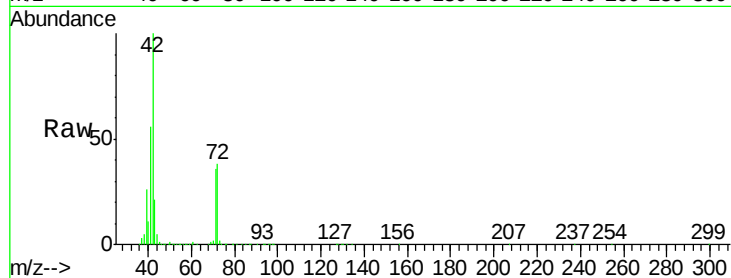
#41
Tetrahydrofuran
Concen: 10.338 ppbv
RT: 6.03 min Scan# 1009
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
42	100		
72	40.1	31.9	47.9
71	39.9	30.3	45.5

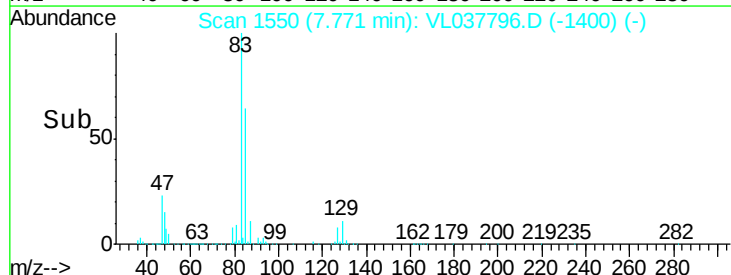
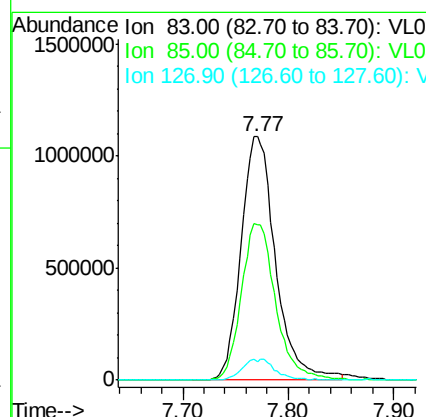
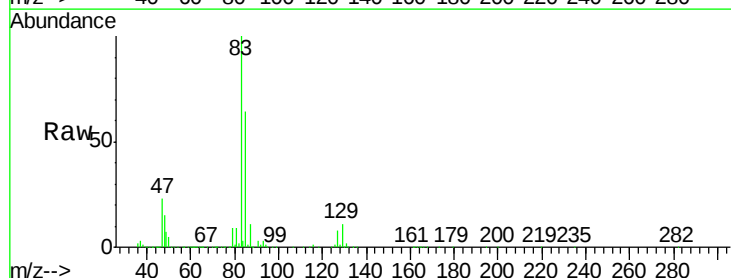
Manual Integrations
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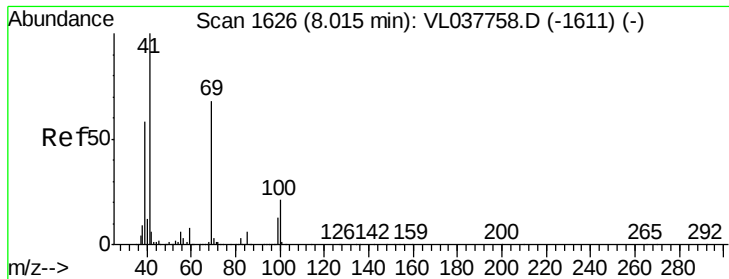
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#42
Bromodichloromethane
Concen: 11.074 ppbv
RT: 7.77 min Scan# 1550
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion	Ratio	Lower	Upper
83	100		
85	63.7	50.6	75.8
127	7.7	6.2	9.4





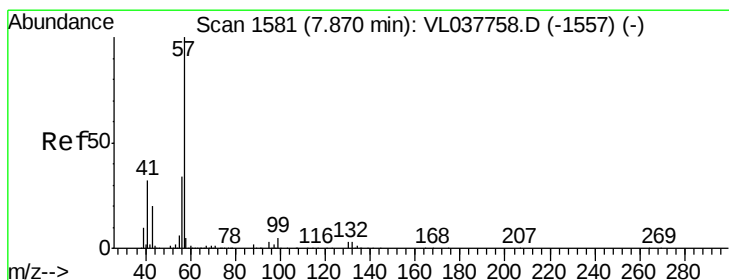
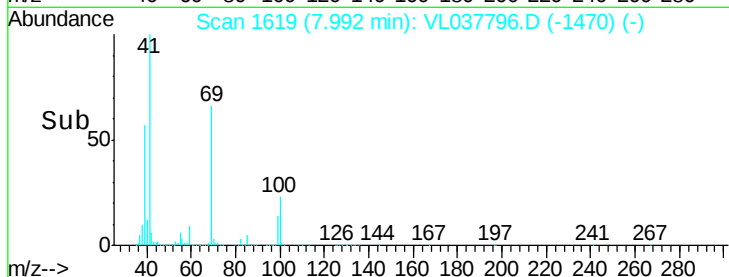
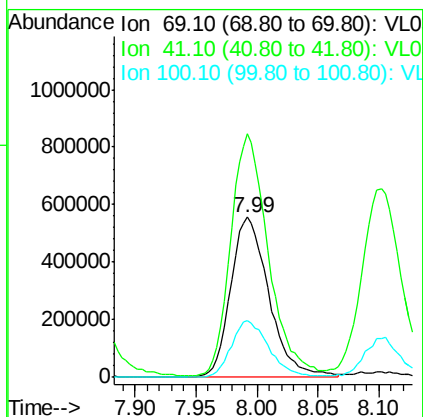
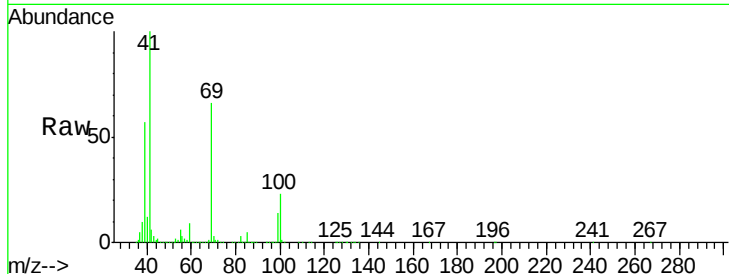
#43
Methyl Methacrylate
Concen: 11.479 ppbv
RT: 7.99 min Scan# 1619
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1211335
Ion Ratio Lower Upper
69 100
41 150.2 121.0 181.4
100 35.0 27.7 41.5

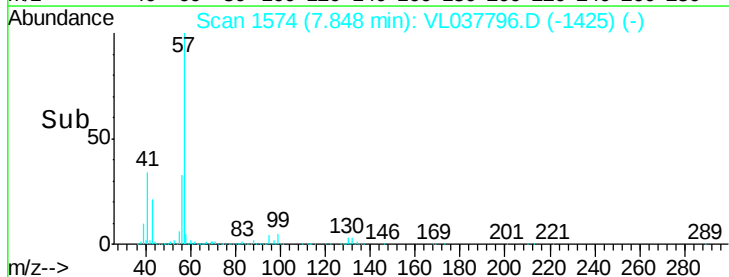
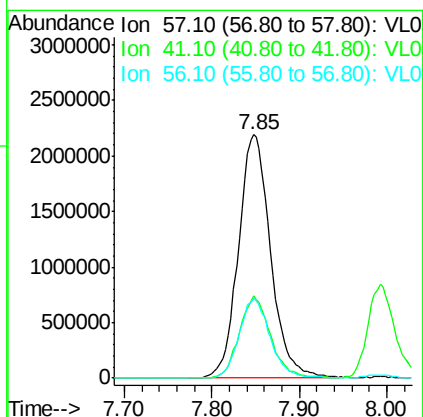
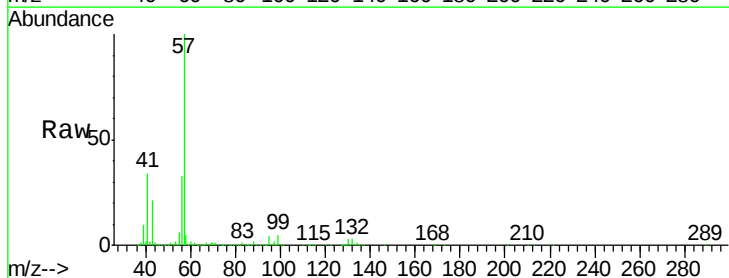
Manual Integrations
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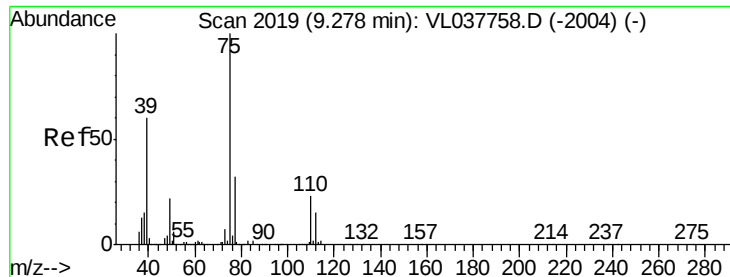
apatel
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#44
2,2,4-Trimethylpentane
Concen: 10.314 ppbv
RT: 7.85 min Scan# 1574
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 57 Resp: 5598532
Ion Ratio Lower Upper
57 100
41 33.0 25.6 38.4
56 31.6 25.5 38.3





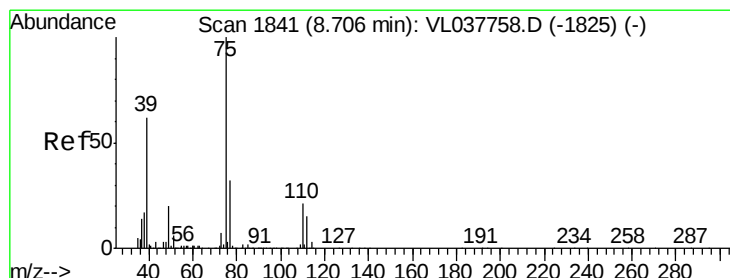
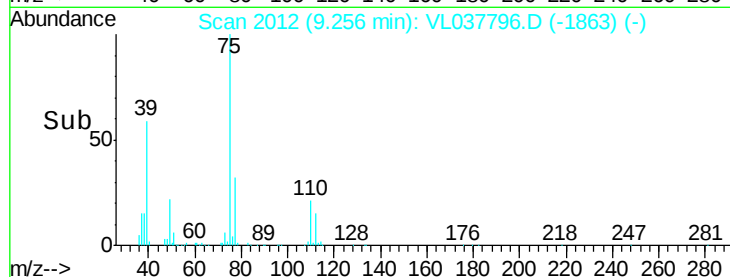
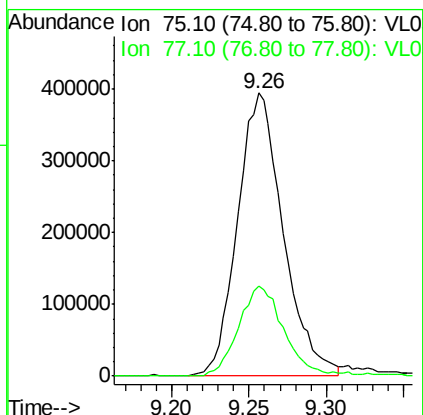
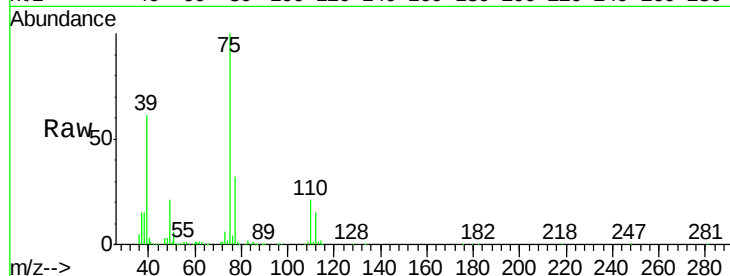
#45
t-1,3-Dichloropropene
Concen: 11.135 ppbv
RT: 9.26 min Scan# 2012
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 75 Resp: 808440
Ion Ratio Lower Upper
75 100
77 31.6 25.2 37.8

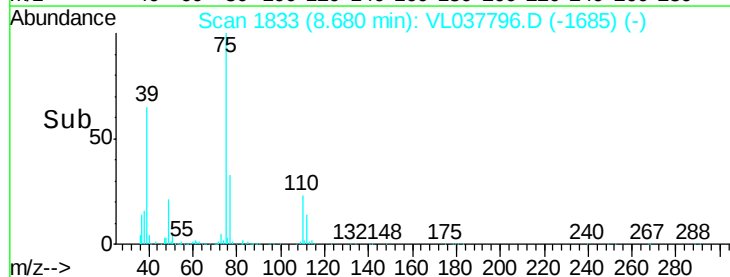
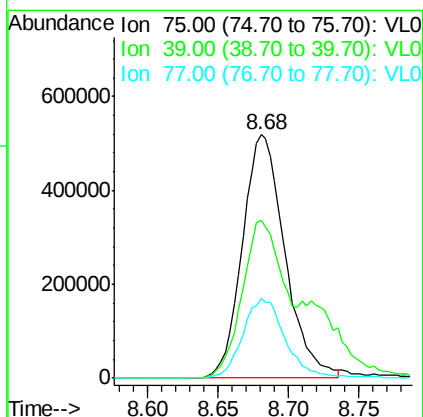
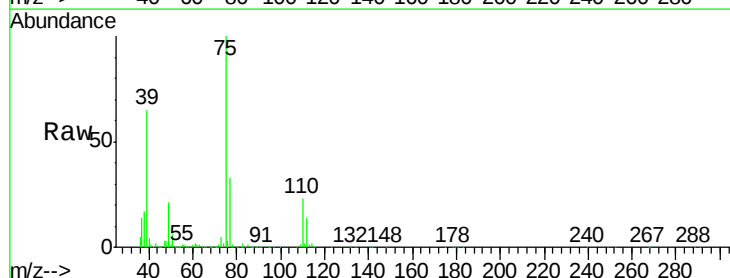
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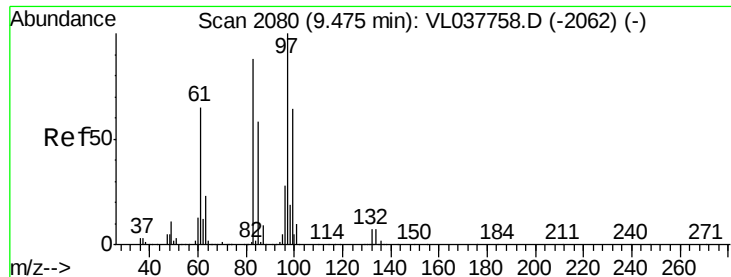
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#46
cis-1,3-Dichloropropene
Concen: 10.894 ppbv
RT: 8.68 min Scan# 1833
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 75 Resp: 1096311
Ion Ratio Lower Upper
75 100
39 64.4 49.9 74.9
77 33.0 25.9 38.9





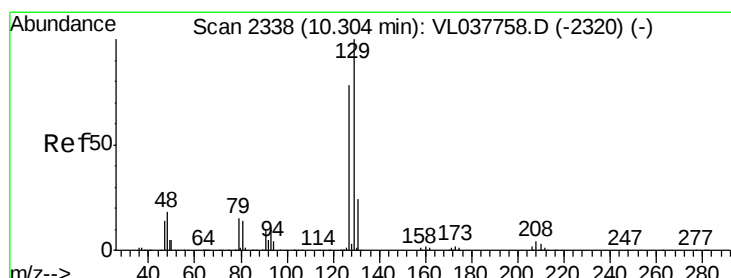
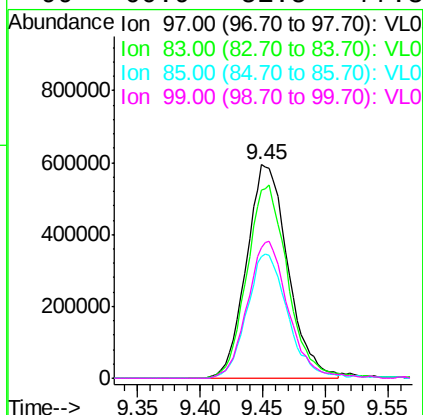
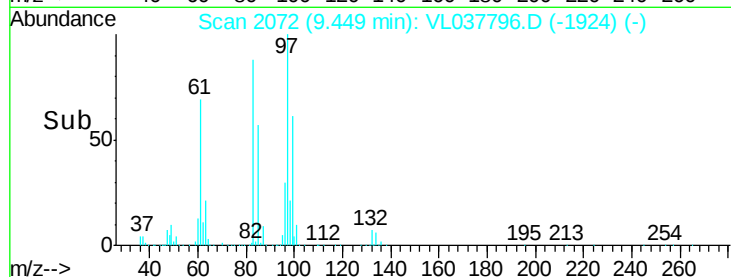
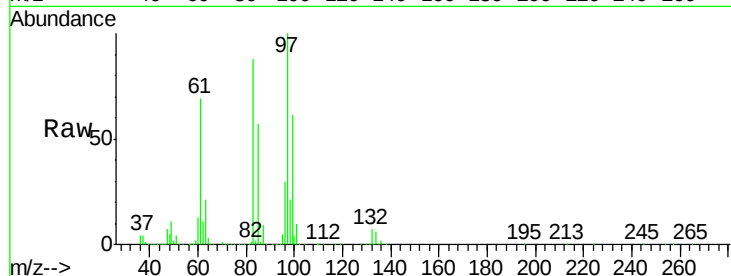
#47
 1,1,2-Trichloroethane
 Concen: 10.359 ppbv
 RT: 9.45 min Scan# 2072
 Delta R.T. -0.03 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
97	100		
83	87.9	70.6	105.8
85	56.8	45.9	68.9
99	60.9	51.5	77.3

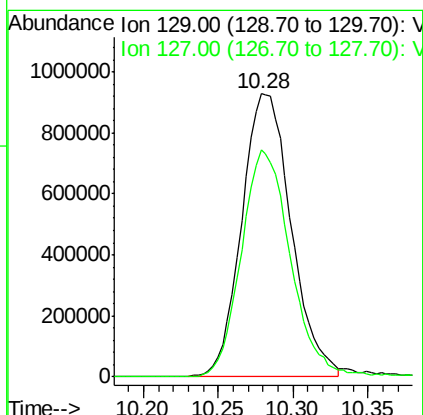
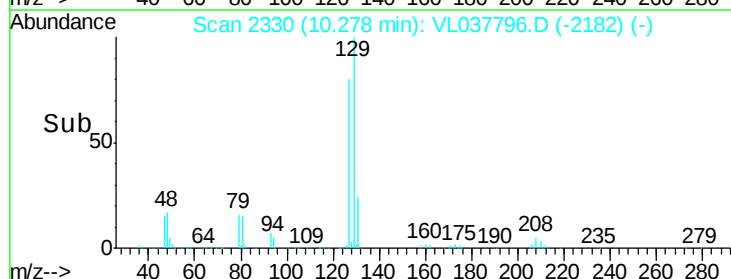
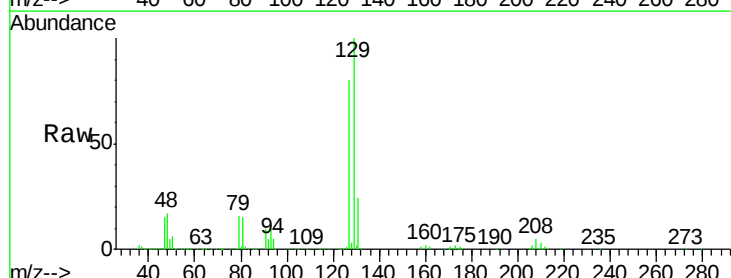
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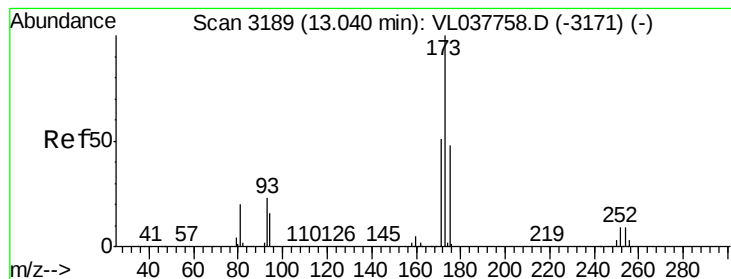
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#48
 Dibromochloromethane
 Concen: 11.316 ppbv
 RT: 10.28 min Scan# 2330
 Delta R.T. -0.03 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion	Ratio	Lower	Upper
129	100		
127	80.9	39.5	118.5





#49

Bromoform

Concen: 12.634 ppbv

RT: 13.02 min Scan# 3182

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:173 Resp: 1820508

Ion Ratio Lower Upper

173 100

175 49.3 39.9 59.9

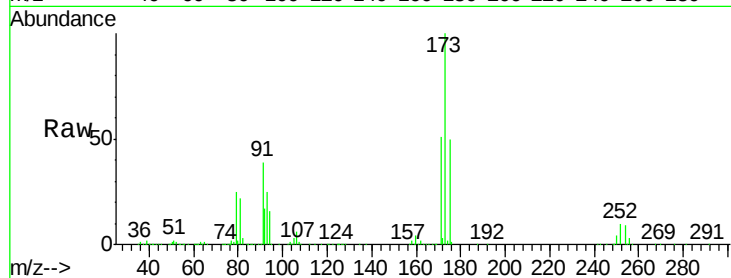
171 54.7 43.4 65.2

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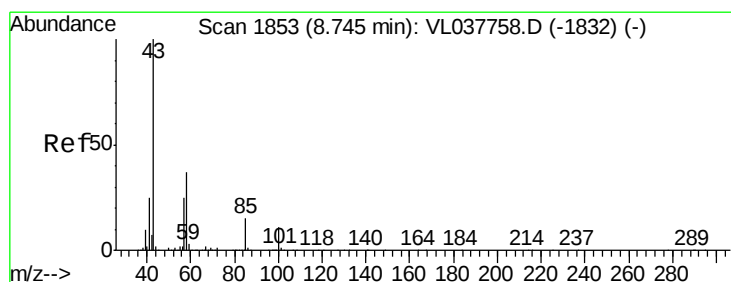
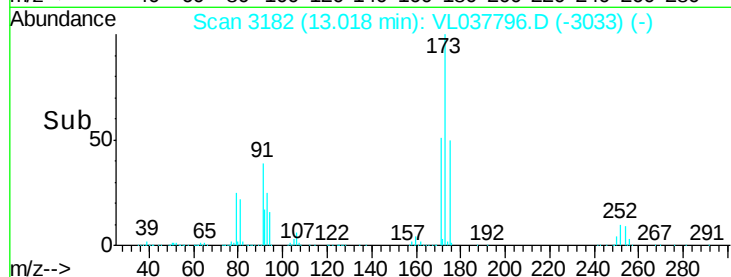
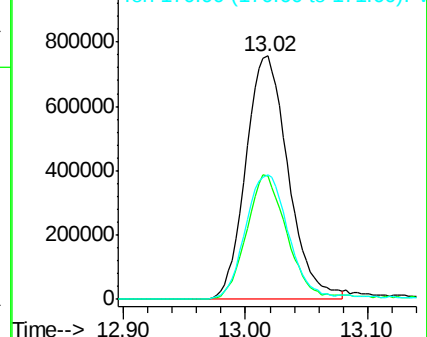
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Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 11.197 ppbv

RT: 8.72 min Scan# 1845

Delta R.T. -0.03 min

Lab File: VL037796.D

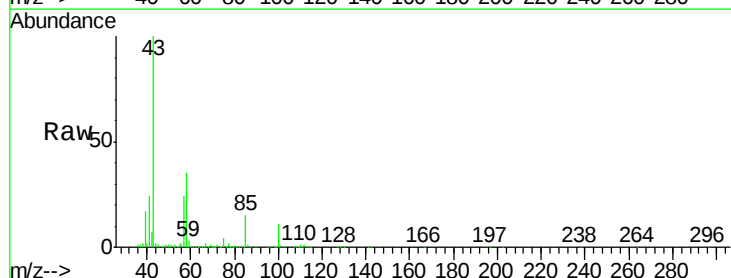
Acq: 7 Oct 2021 13:47

Tgt Ion: 43 Resp: 2225779

Ion Ratio Lower Upper

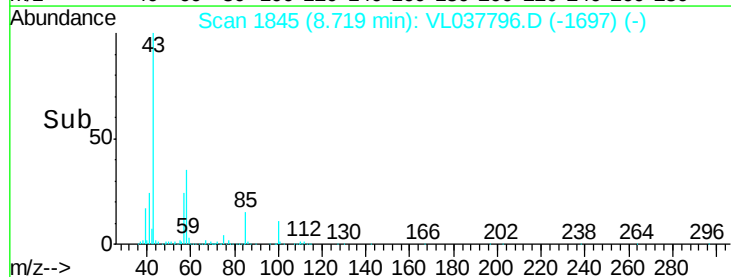
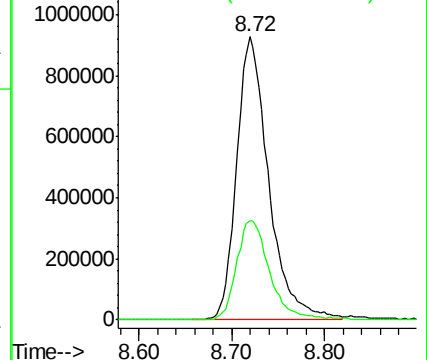
43 100

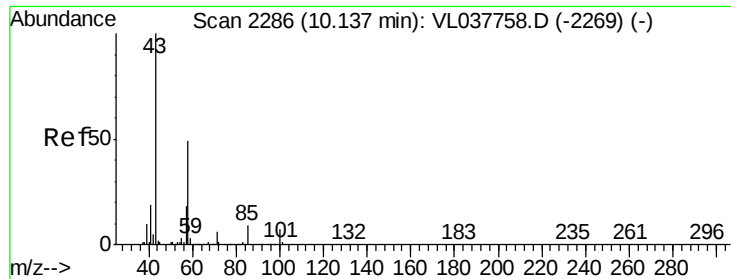
58 36.5 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





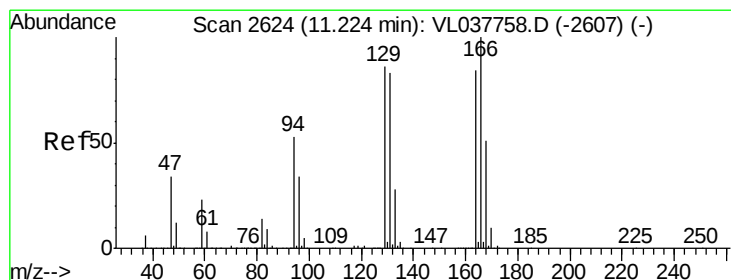
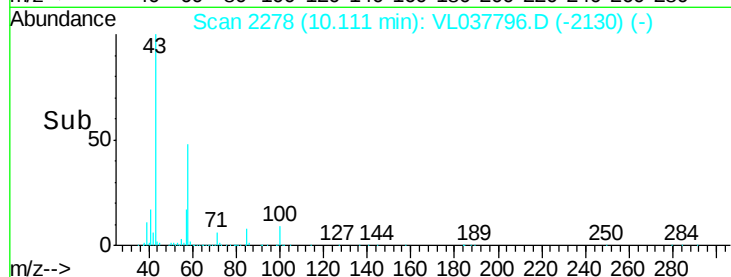
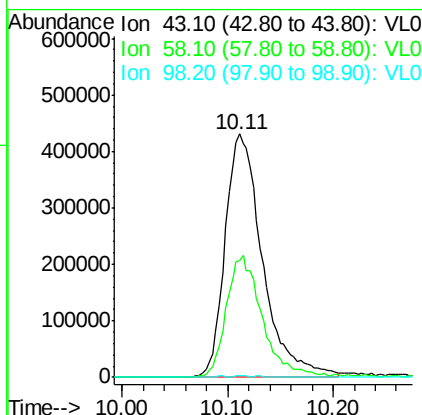
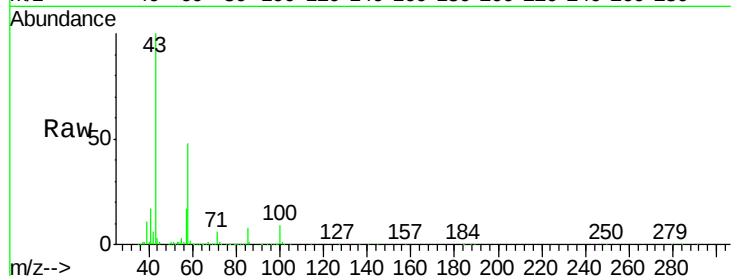
#51
2-Hexanone
Concen: 11.864 ppbv
RT: 10.11 min Scan# 2278
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 1052819
Ion Ratio Lower Upper
43 100
58 48.7 39.4 59.0
98 0.6 0.3 0.5#

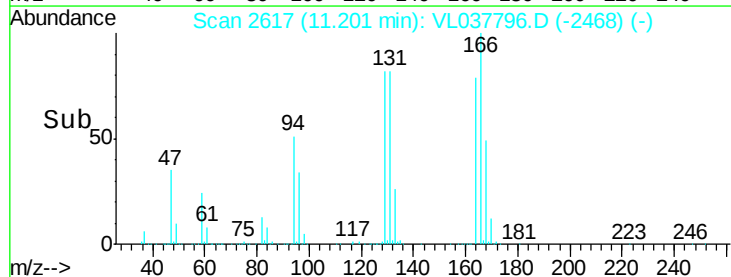
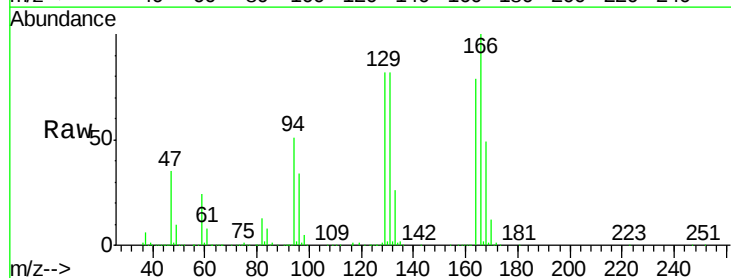
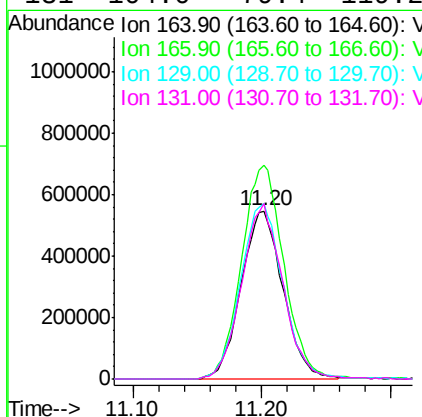
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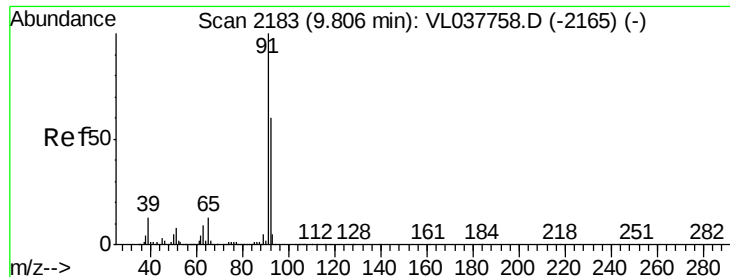
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#52
Tetrachloroethene
Concen: 9.809 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 164 Resp: 1232965
Ion Ratio Lower Upper
164 100
166 127.1 95.4 143.2
129 104.8 82.2 123.4
131 104.0 79.4 119.2





#53

Toluene

Concen: 11.100 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 3974187

Ion Ratio Lower Upper

91 100

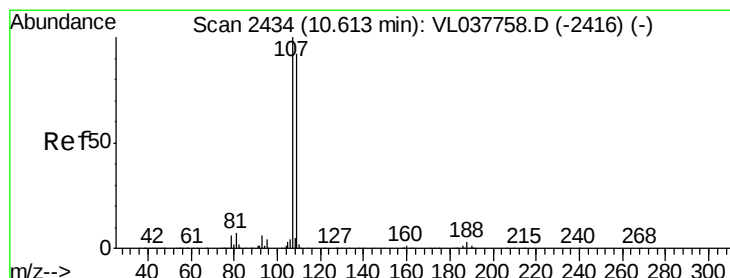
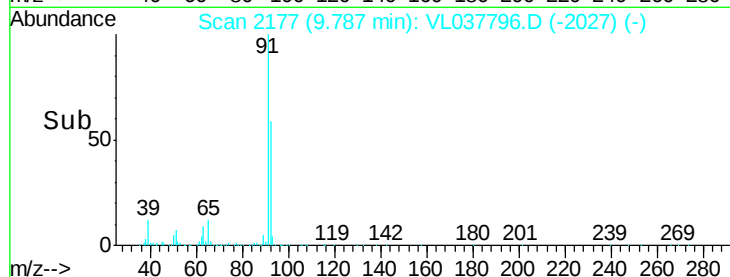
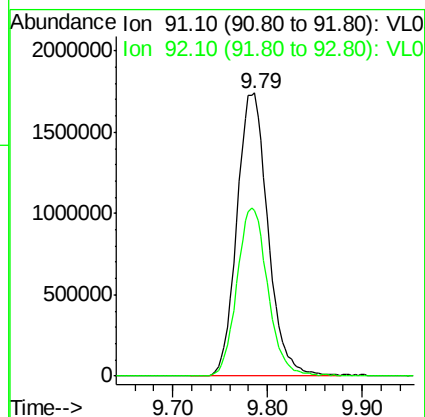
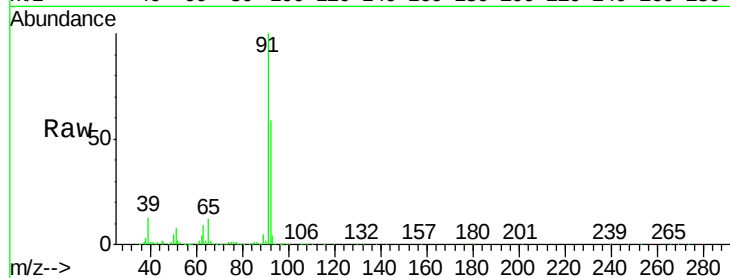
92 59.4 48.4 72.6

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#54

1,2-Dibromoethane

Concen: 10.746 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.03 min

Lab File: VL037796.D

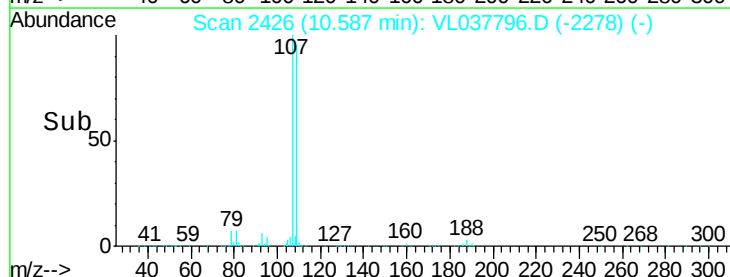
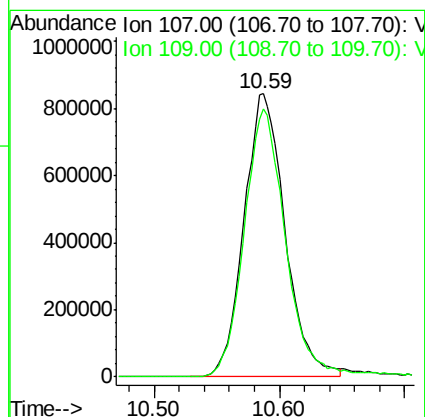
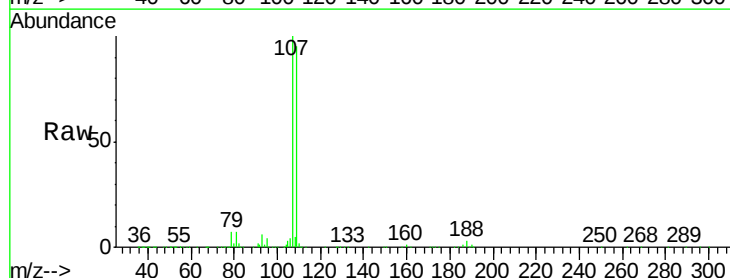
Acq: 7 Oct 2021 13:47

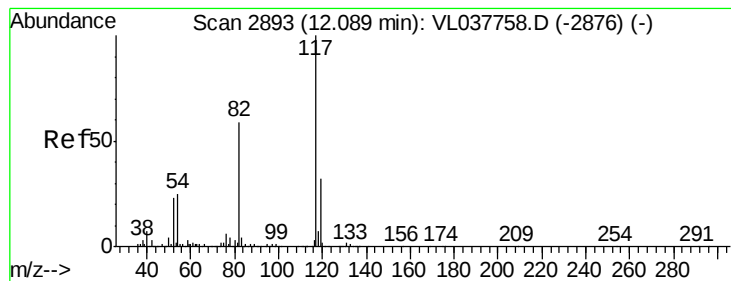
Tgt Ion: 107 Resp: 1917564

Ion Ratio Lower Upper

107 100

109 94.5 73.8 110.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv m

RT: 12.06 min Scan# 2885

Delta R.T. -0.03 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:117 Resp: 3595540

Ion Ratio Lower Upper

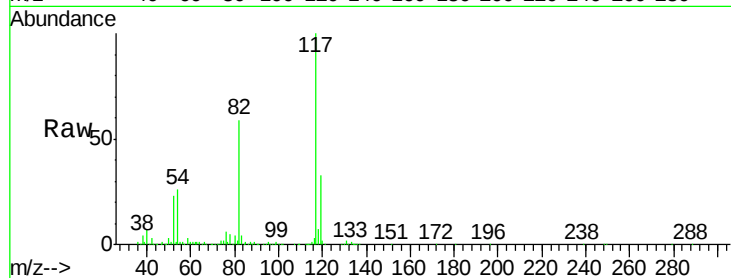
117 100

82 60.0 52.2 78.2

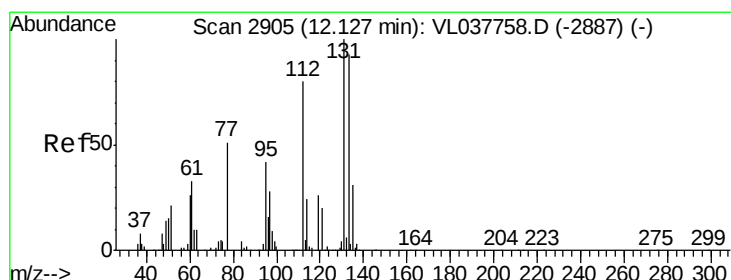
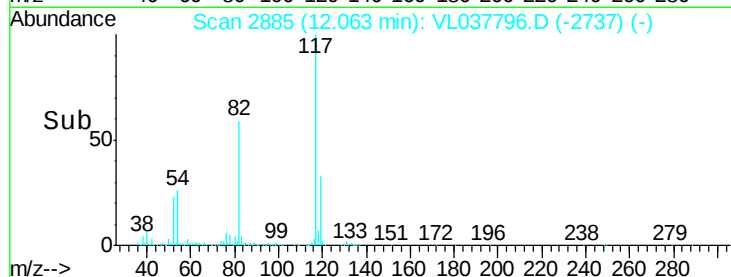
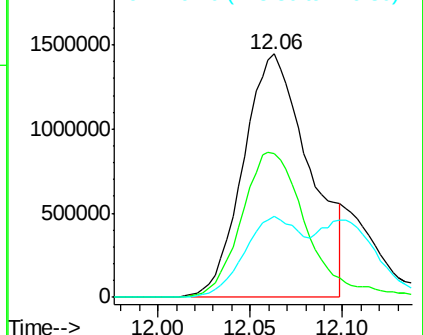
119 27.3 26.0 39.0

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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: 10.150 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.03 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

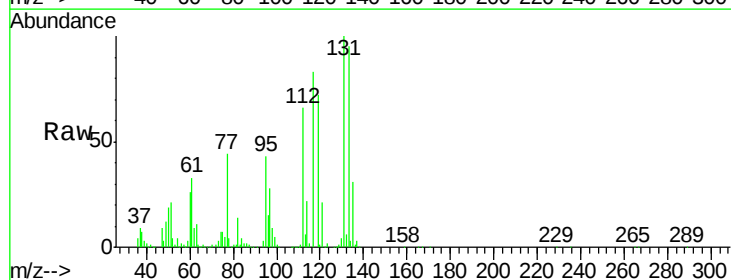
Tgt Ion:131 Resp: 1510717

Ion Ratio Lower Upper

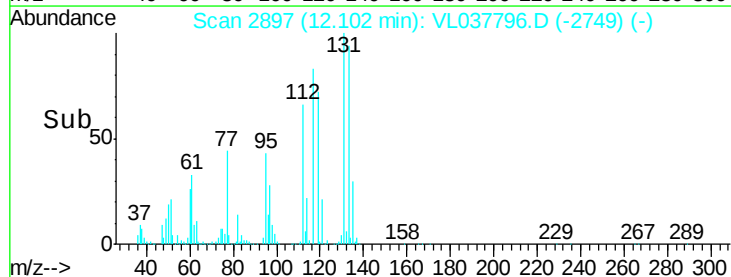
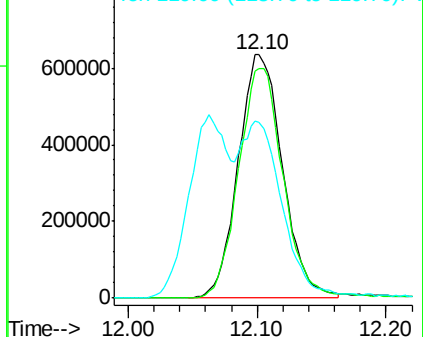
131 100

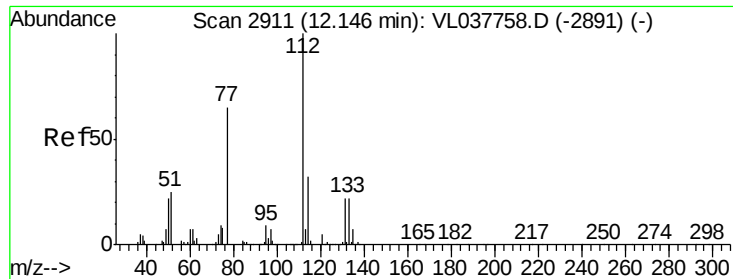
133 97.1 78.5 117.7

119 64.0 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: 9.747 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.03 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 112 Resp: 2875003

Ion Ratio Lower Upper

112 100

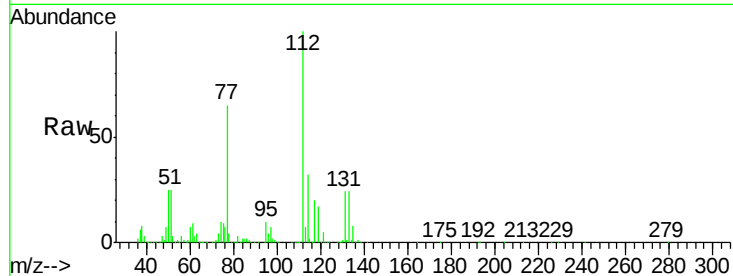
77 64.3 51.8 77.8

114 31.5 28.8 35.2

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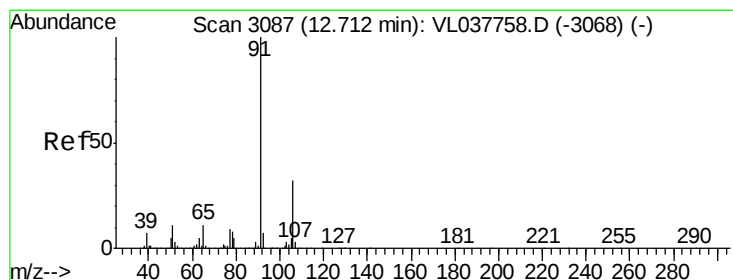
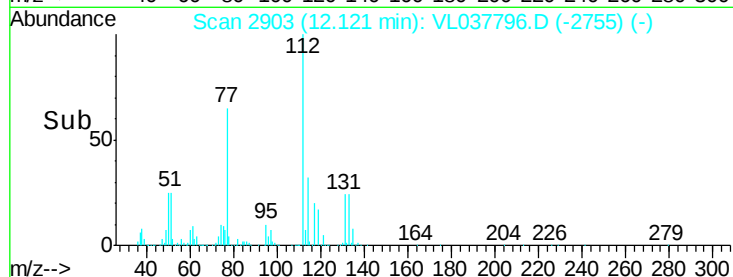
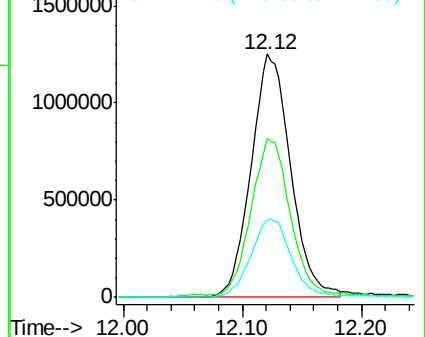
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Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 10.608 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.03 min

Lab File: VL037796.D

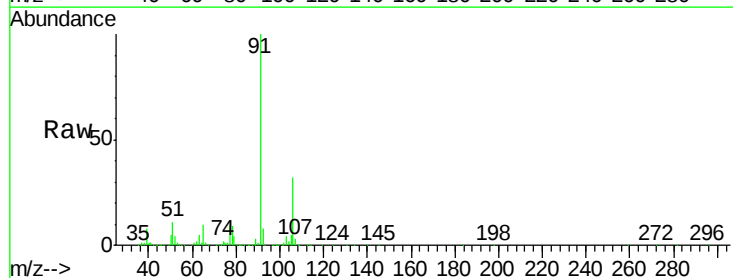
Acq: 7 Oct 2021 13:47

Tgt Ion: 91 Resp: 5121676

Ion Ratio Lower Upper

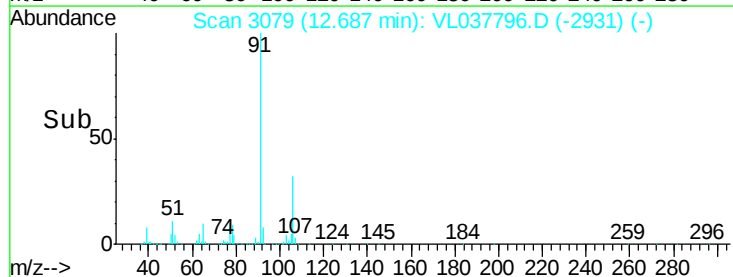
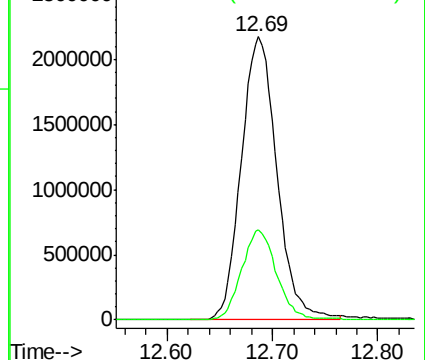
91 100

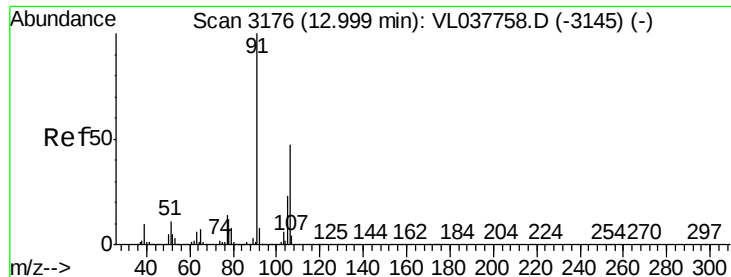
106 31.8 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





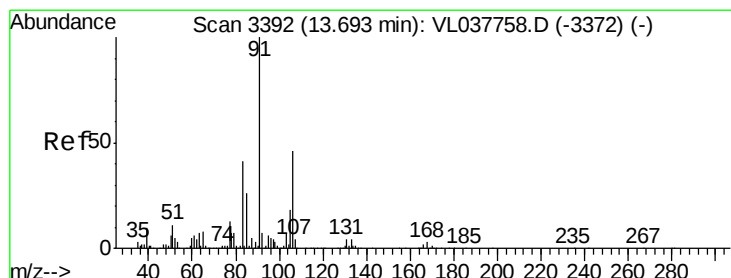
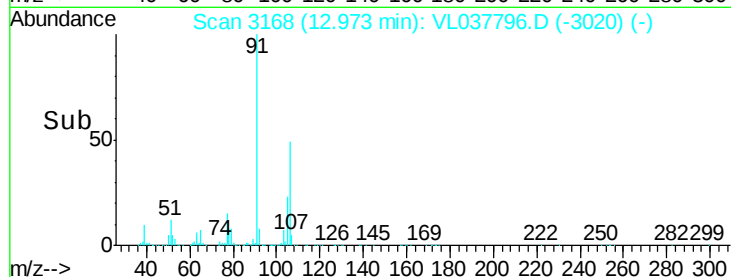
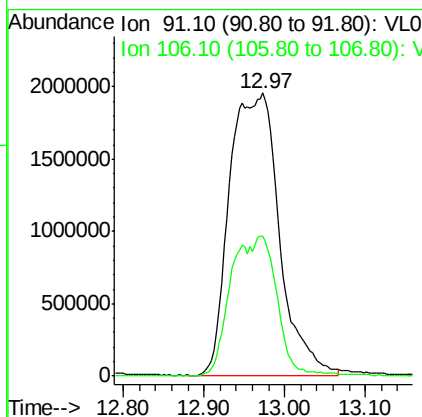
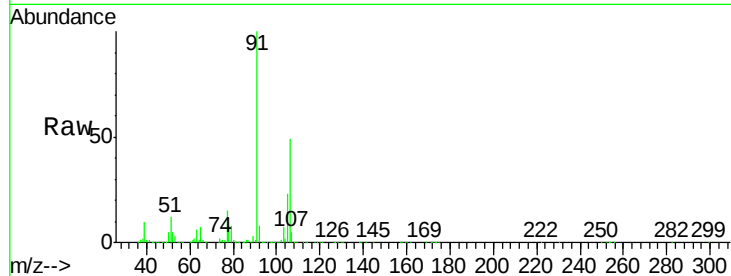
#59
m/p-Xylene
Concen: 20.512 ppbv m
RT: 12.97 min Scan# 3168
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 91 Resp: 8500939
Ion Ratio Lower Upper
91 100
106 46.0 36.7 55.1

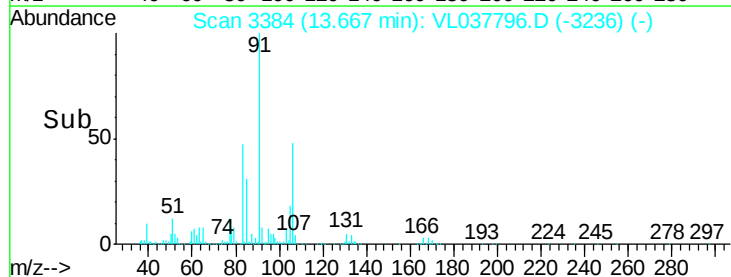
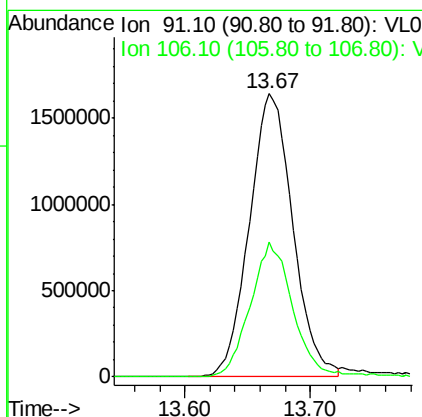
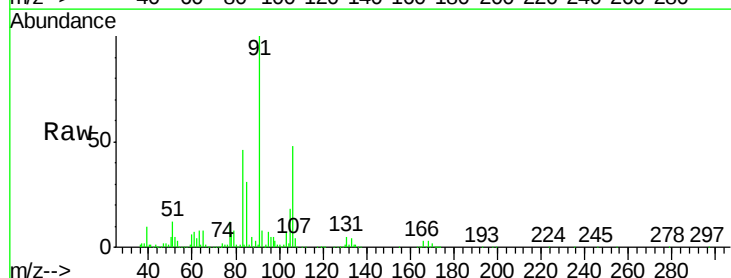
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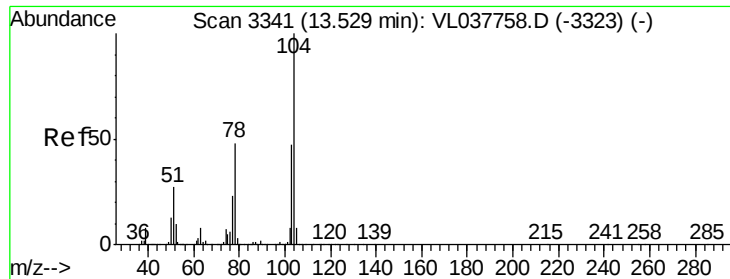
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#60
o-Xylene
Concen: 9.927 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 91 Resp: 3942928
Ion Ratio Lower Upper
91 100
106 47.5 23.5 70.5





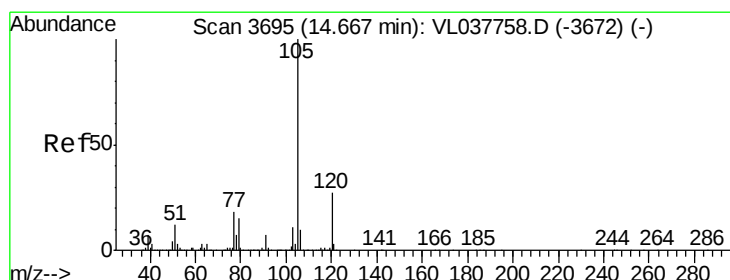
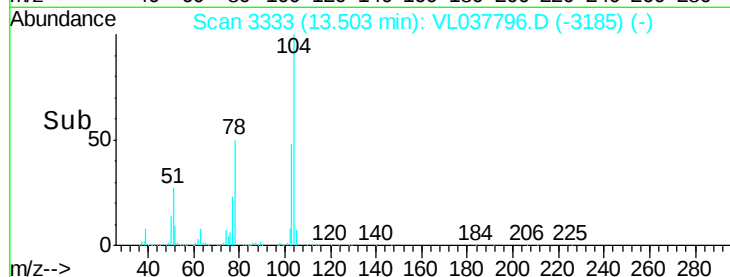
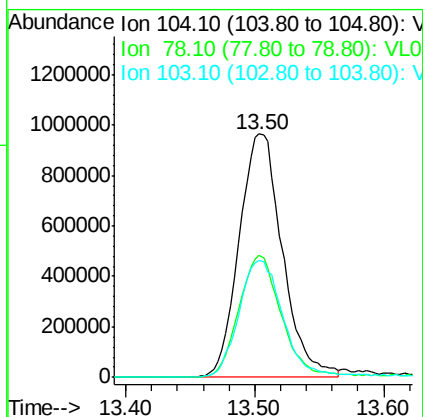
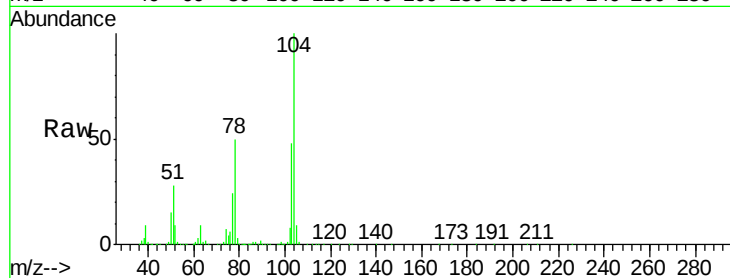
#61
Styrene
Concen: 11.702 ppbv
RT: 13.50 min Scan# 3333
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion:104 Resp: 2248070
Ion Ratio Lower Upper
104 100
78 50.0 40.6 61.0
103 49.4 39.6 59.4

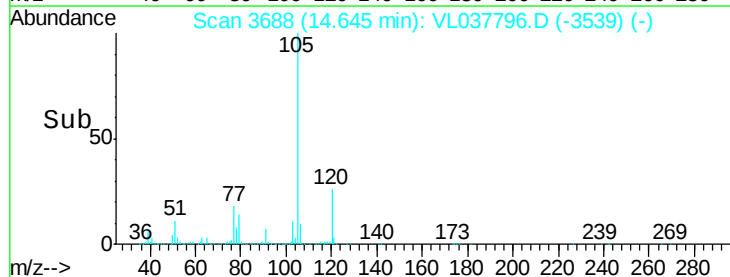
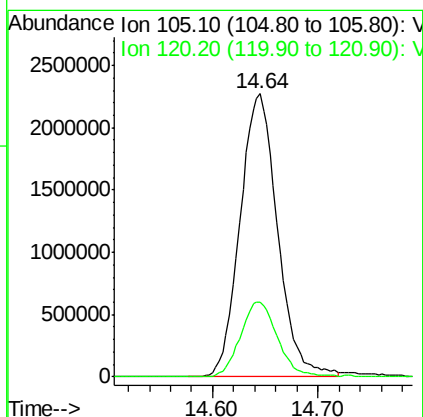
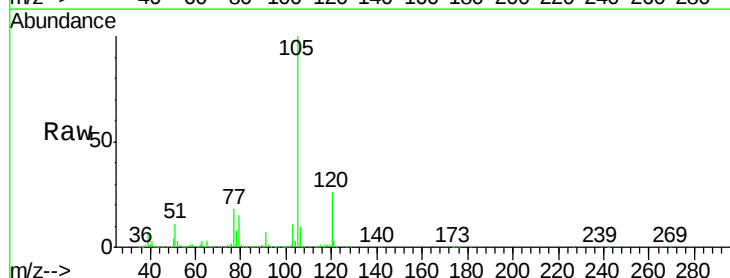
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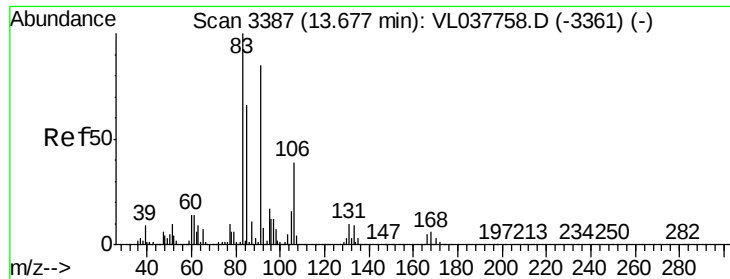
apatel
10/14/2021 1:19:43 PM



#62
Isopropylbenzene
Concen: 10.162 ppbv
RT: 14.64 min Scan# 3688
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion:105 Resp: 5629915
Ion Ratio Lower Upper
105 100
120 26.6 21.3 31.9





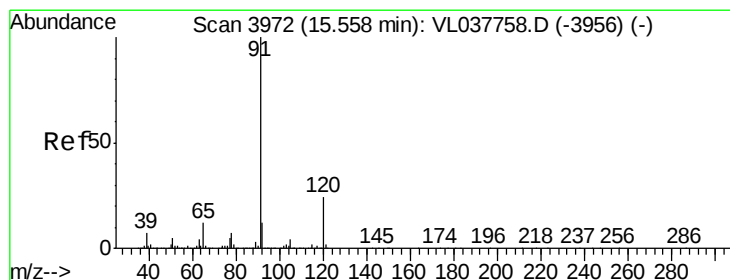
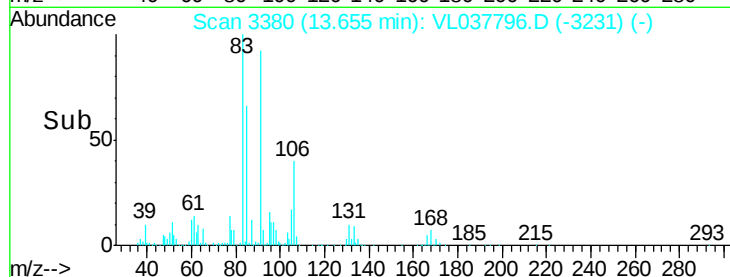
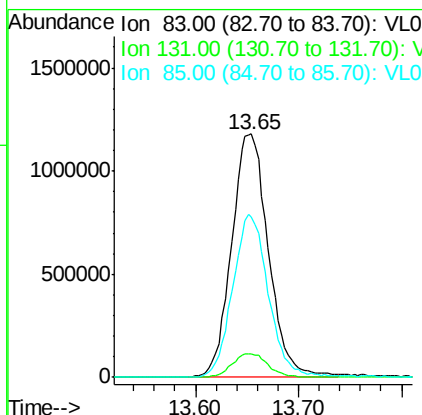
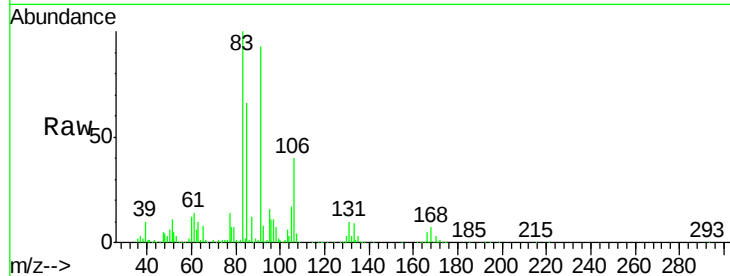
#63
 1,1,2,2-Tetrachloroethane
 Concen: 9.520 ppbv
 RT: 13.65 min Scan# 3380
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 83 Resp: 2917646
 Ion Ratio Lower Upper
 83 100
 131 9.7 5.0 15.0
 85 66.2 33.1 99.5

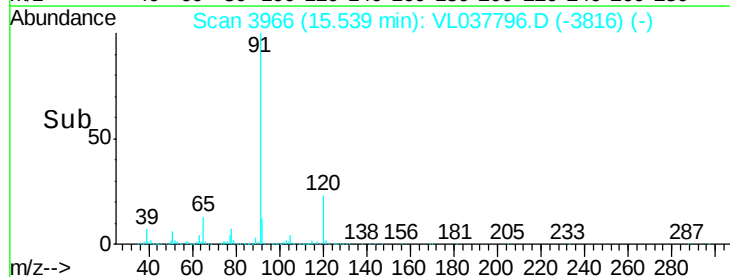
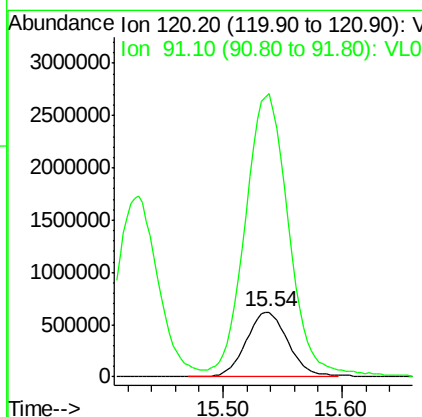
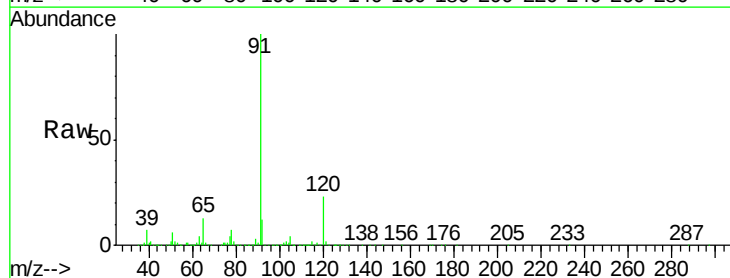
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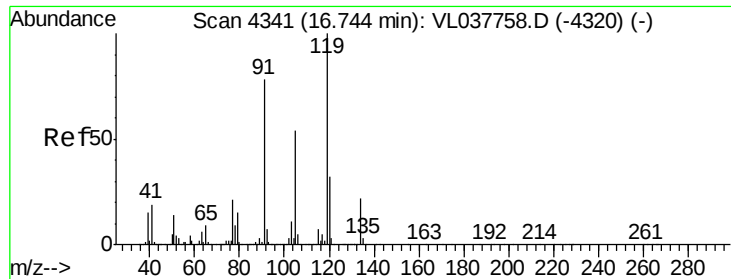
apatel
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#64
 n-propylbenzene
 Concen: 10.945 ppbv
 RT: 15.54 min Scan# 3966
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion: 120 Resp: 1512072
 Ion Ratio Lower Upper
 120 100
 91 457.2 375.0 562.6





#65

tert-Butylbenzene

Concen: 10.229 ppbv

RT: 16.72 min Scan# 4333

Delta R.T. -0.03 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

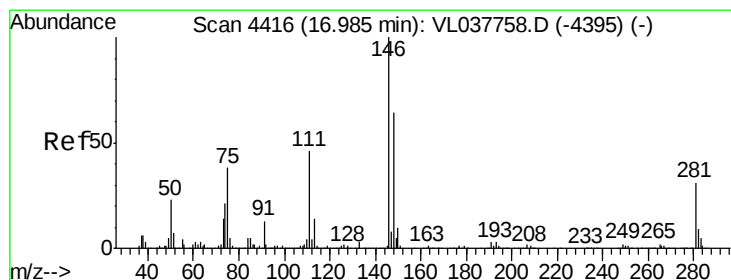
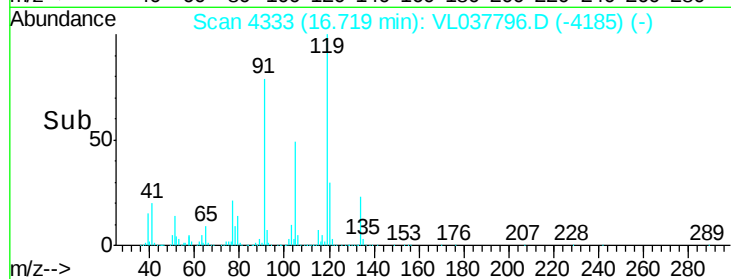
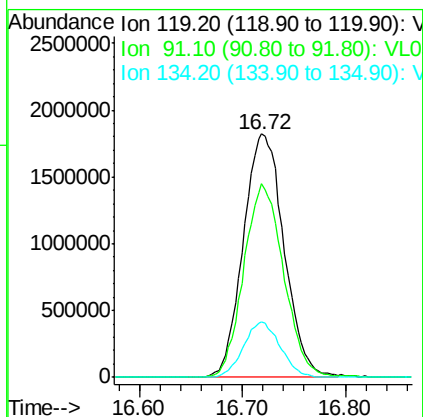
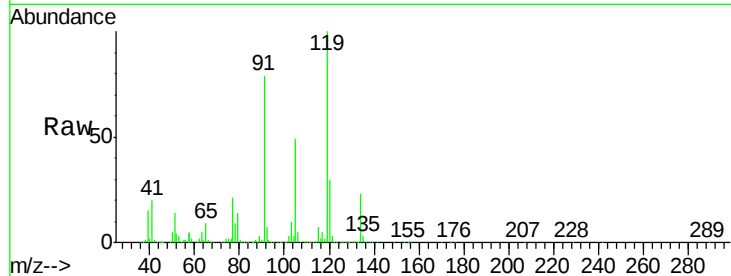
ClientSampleId :

VSTDCCC010

Tgt Ion:	119	Resp:	4986905
Ion	Ratio	Lower	Upper
119	100		
91	78.2	62.6	94.0
134	20.8	16.3	24.5

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#66

Benzyl Chloride

Concen: 10.738 ppbv

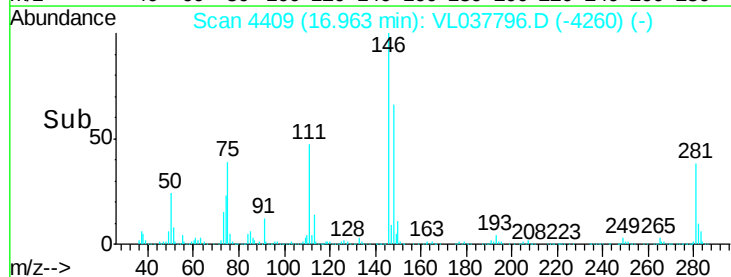
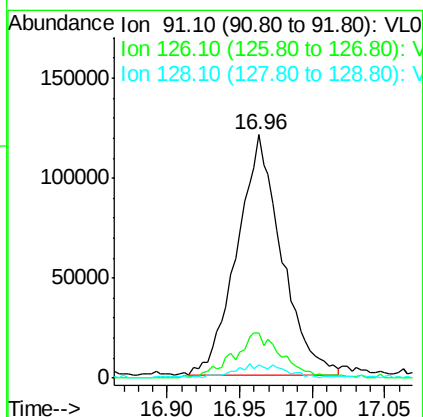
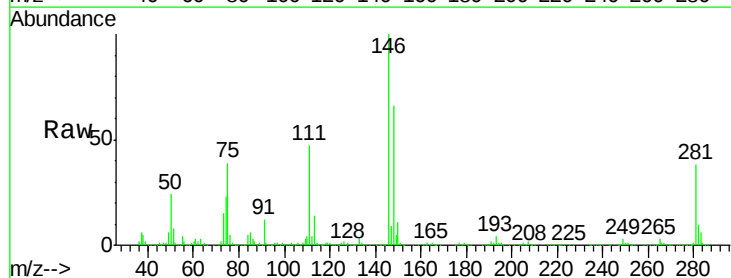
RT: 16.96 min Scan# 4409

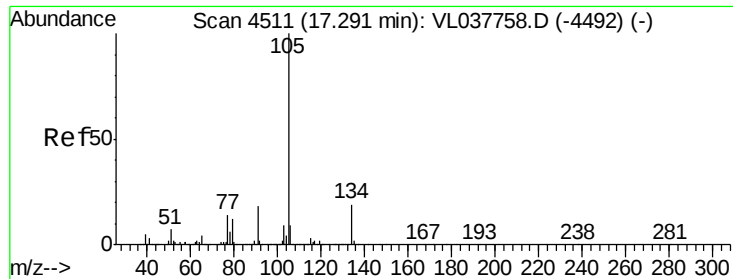
Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Tgt Ion:	91	Resp:	258355
Ion	Ratio	Lower	Upper
91	100		
126	21.1	0.0	0.0#
128	6.8	5.3	7.9





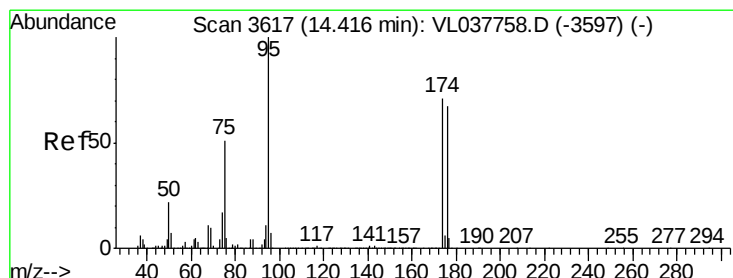
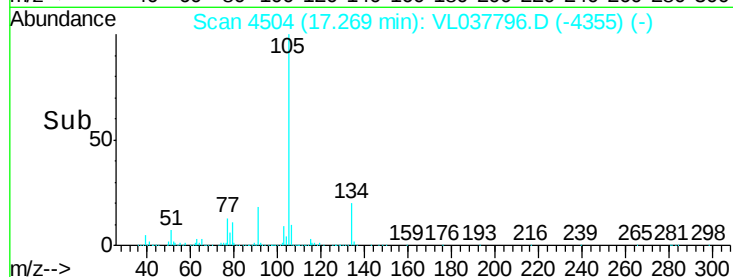
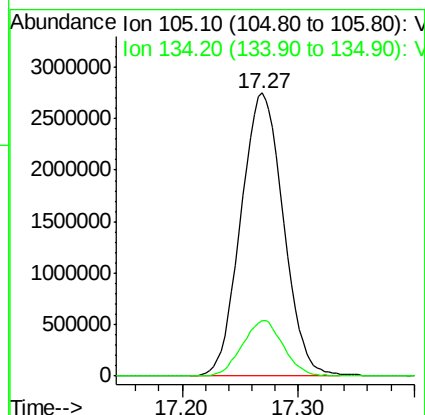
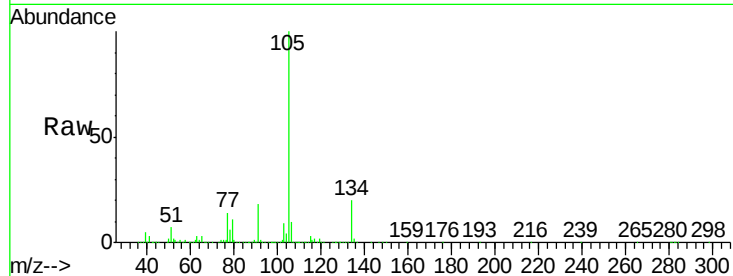
#67
 sec-Butylbenzene
 Concen: 10.494 ppbv
 RT: 17.27 min Scan# 4504
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 105 Resp: 6996679
 Ion Ratio Lower Upper
 105 100
 134 19.2 15.4 23.0

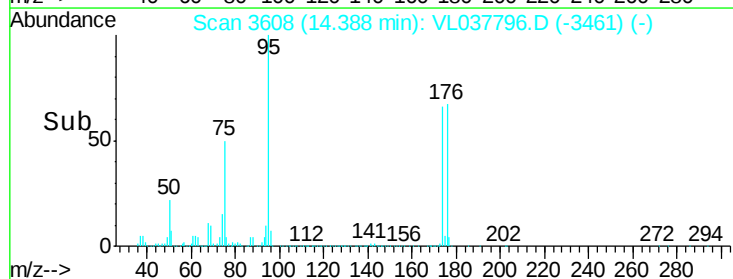
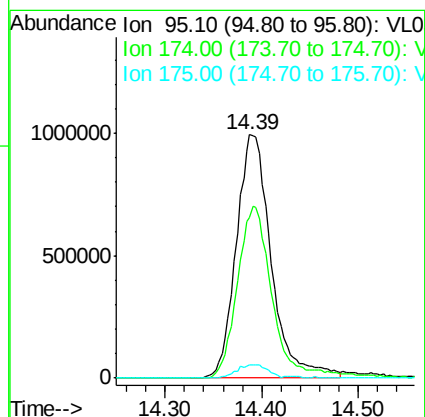
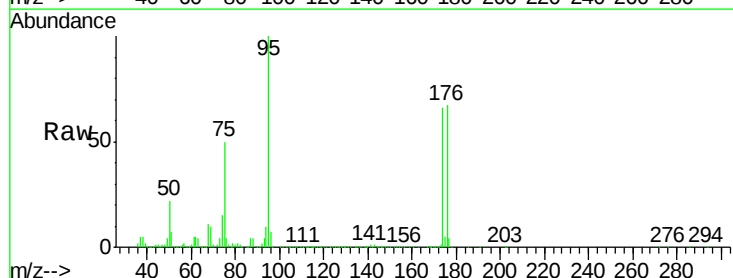
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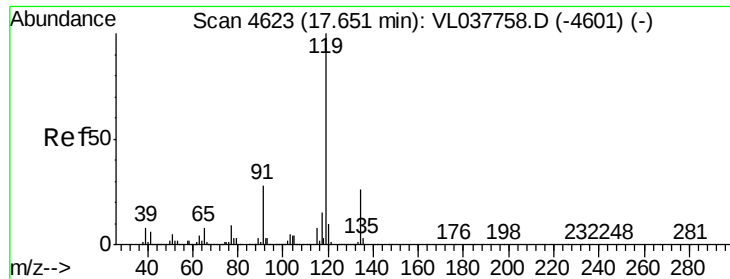
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#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.939 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T. -0.03 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion: 95 Resp: 2498943
 Ion Ratio Lower Upper
 95 100
 174 71.5 57.8 86.6
 175 5.4 4.7 7.1





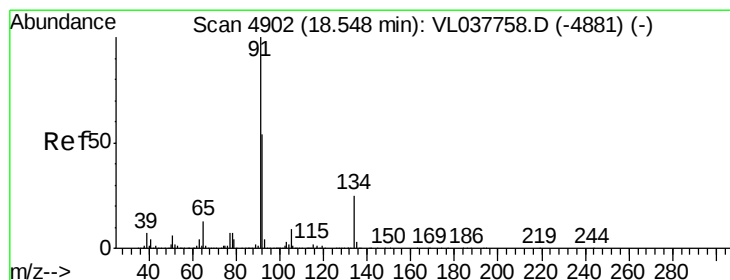
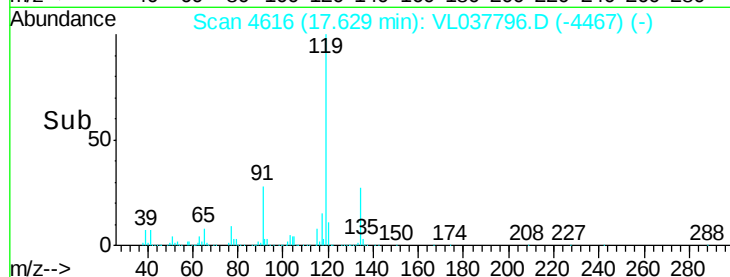
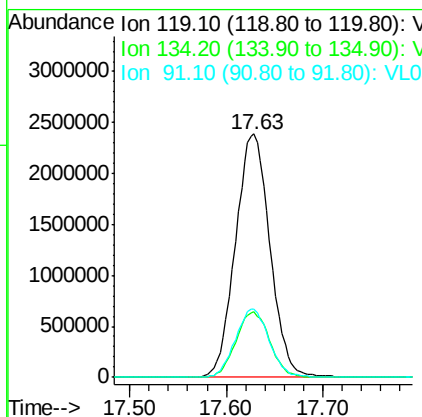
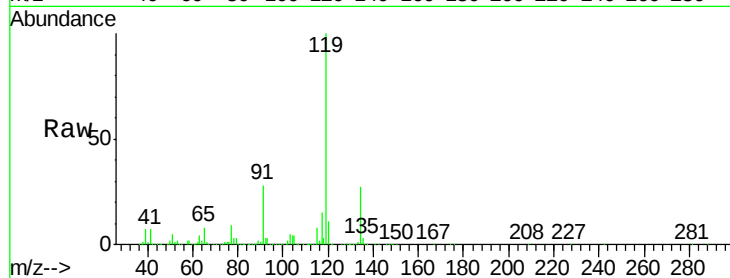
#69
p-Isopropyltoluene
Concen: 10.960 ppbv
RT: 17.63 min Scan# 4616
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 119 Resp: 5907567
Ion Ratio Lower Upper
119 100
134 26.7 21.2 31.8
91 27.5 22.2 33.4

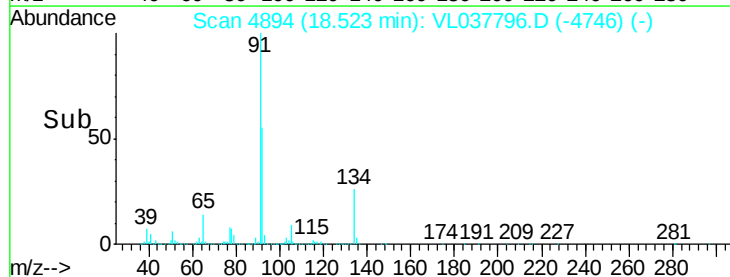
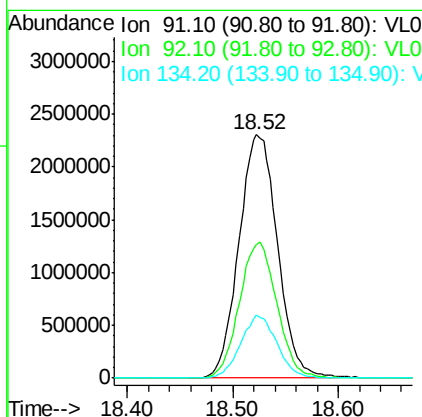
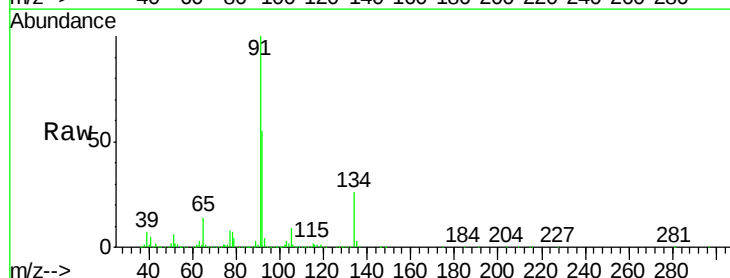
Manual Integrations
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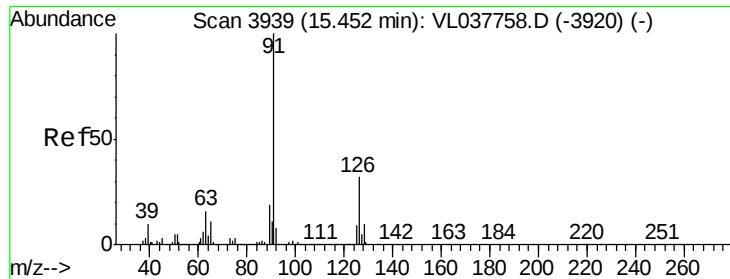
apatel
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#70
n-Butylbenzene
Concen: 11.445 ppbv
RT: 18.52 min Scan# 4894
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion: 91 Resp: 5860617
Ion Ratio Lower Upper
91 100
92 54.6 43.4 65.0
134 24.5 19.8 29.6





#71

2-Chlorotoluene

Concen: 10.814 ppbv

RT: 15.43 min Scan# 3932

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 91 Resp: 4230679

Ion Ratio Lower Upper

91 100

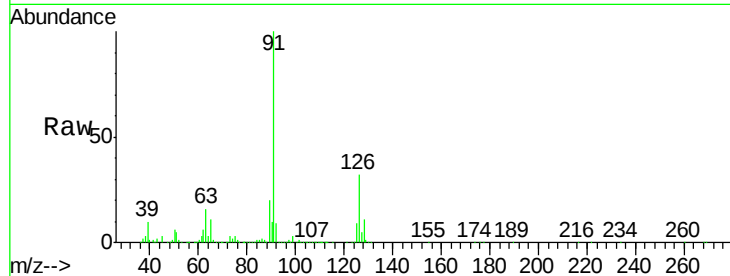
126 33.3 13.6 54.6

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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

1000000

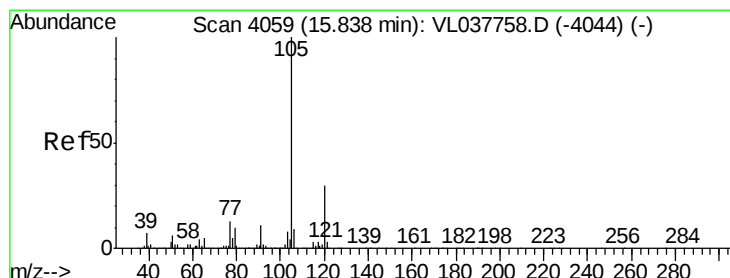
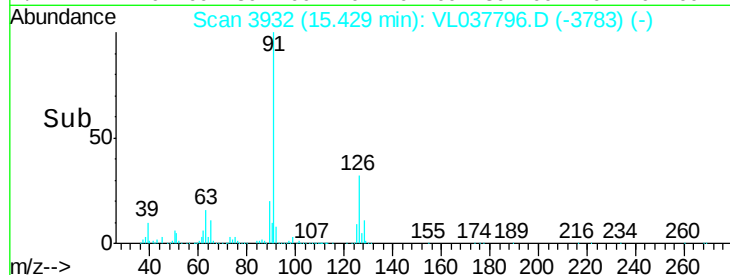
500000

0

15.40

15.50

Time-->



#72

4-Ethyltoluene

Concen: 11.252 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.03 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Tgt Ion: 105 Resp: 5074232

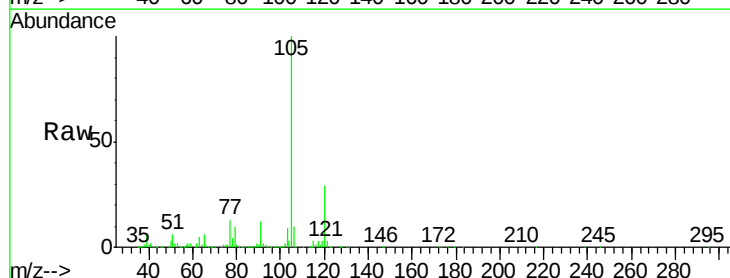
Ion Ratio Lower Upper

105 100

120 29.8 24.2 36.2

91 11.8 10.4 15.6

77 13.1 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

3000000

2500000

2000000

1500000

1000000

500000

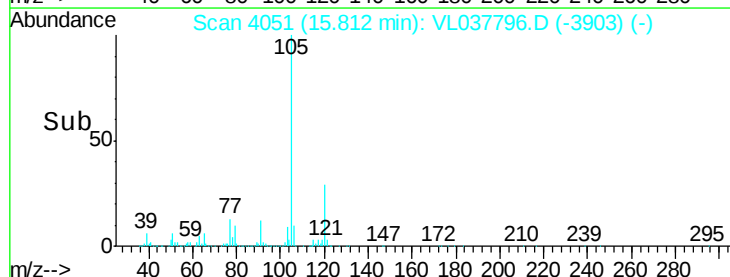
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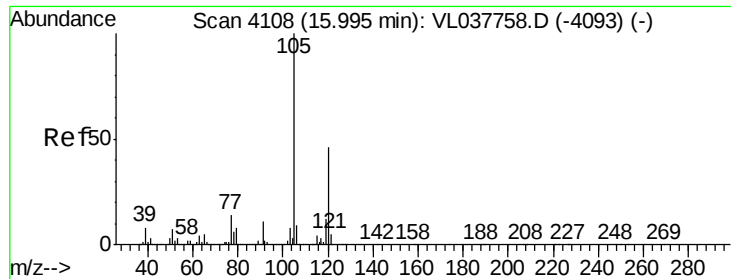
15.70

15.80

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 10.978 ppbv

RT: 15.97 min Scan# 4101

Delta R.T. -0.02 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion:105 Resp: 4497108

Ion Ratio Lower Upper

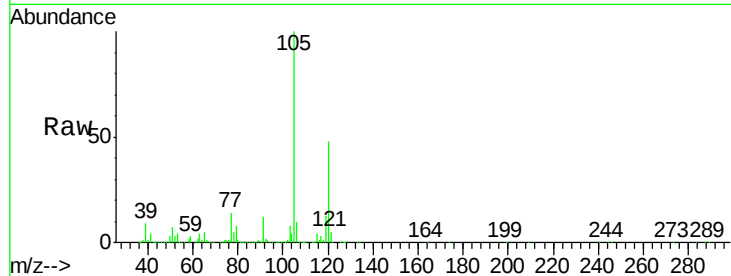
105 100

120 48.1 36.6 54.8

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Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.97

2000000

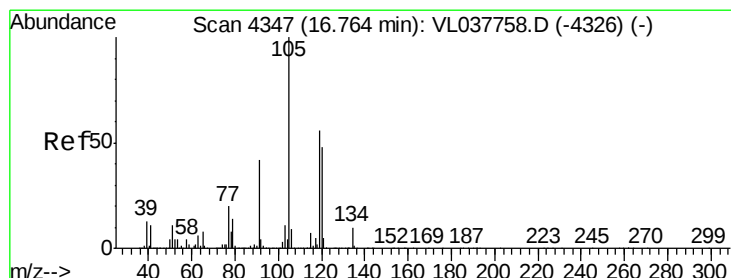
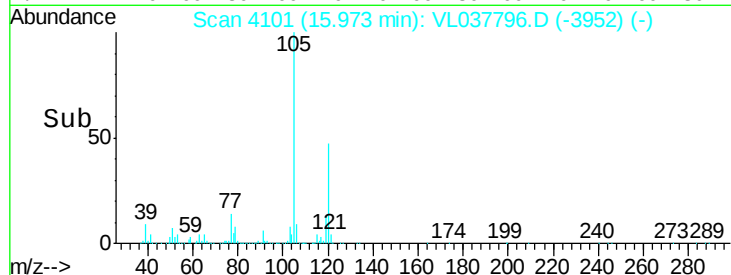
1500000

1000000

500000

0

Time-->



#74

1,2,4-Trimethylbenzene

Concen: 10.635 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.03 min

Lab File: VL037796.D

Acq: 7 Oct 2021 13:47

Tgt Ion:105 Resp: 4575030

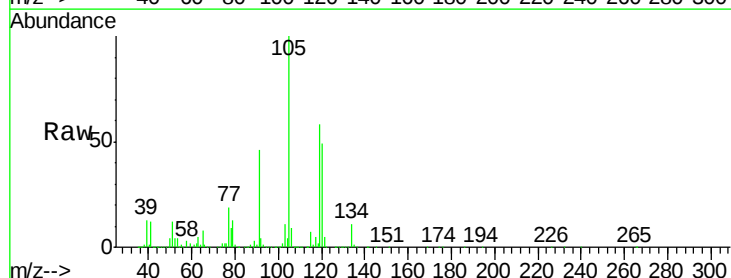
Ion Ratio Lower Upper

105 100

120 48.6 38.4 57.6

91 45.1 34.2 51.2

77 19.4 15.8 23.8



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

3000000

2500000

2000000

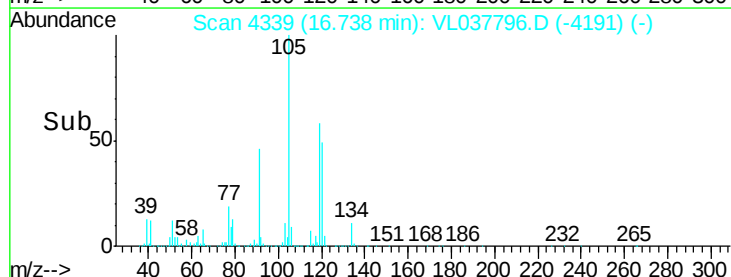
1500000

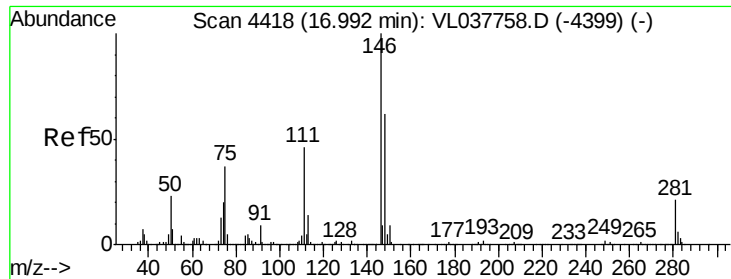
1000000

500000

0

Time-->





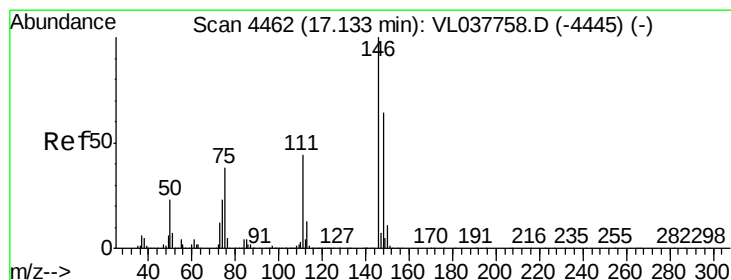
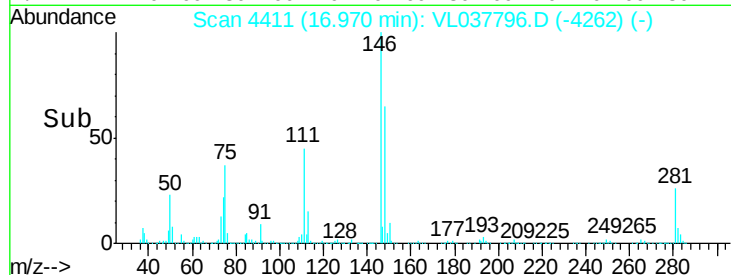
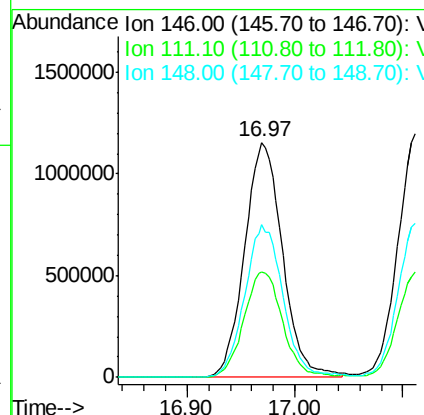
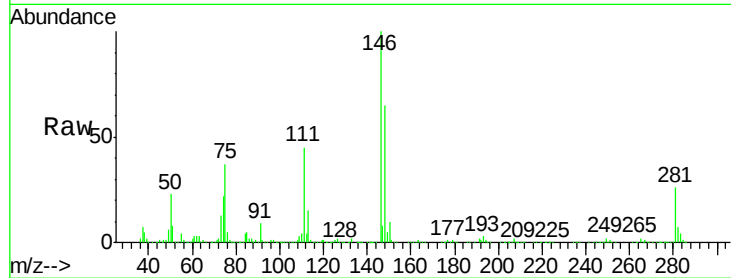
#75
 1,3-Dichlorobenzene
 Concen: 10.581 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:146 Resp: 2820081
 Ion Ratio Lower Upper
 146 100
 111 46.1 22.8 68.4
 148 65.6 32.8 98.3

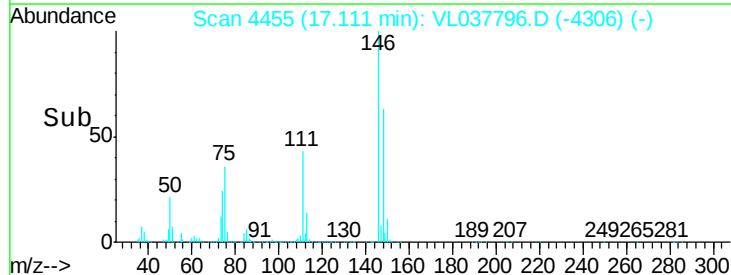
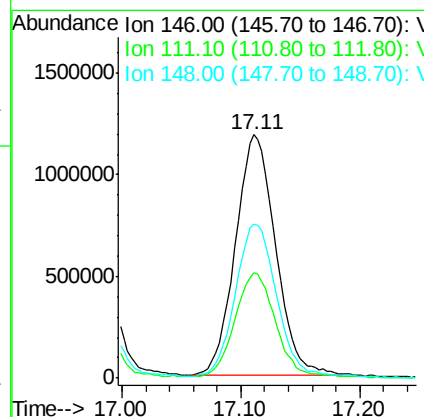
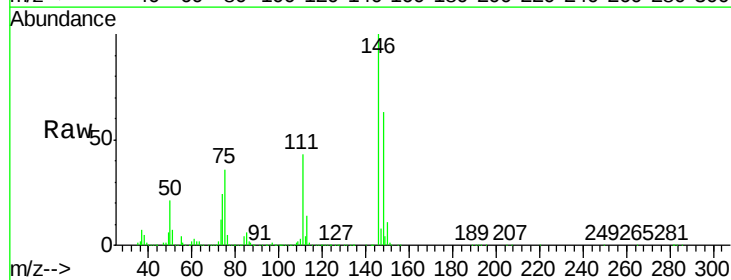
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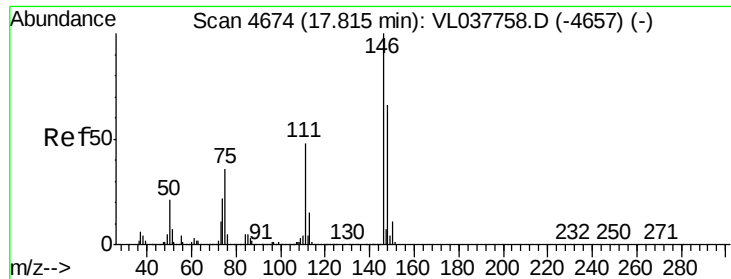
apatel
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#76
 1,4-Dichlorobenzene
 Concen: 10.899 ppbv
 RT: 17.11 min Scan# 4455
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion:146 Resp: 2771074
 Ion Ratio Lower Upper
 146 100
 111 44.9 22.4 67.3
 148 66.4 33.3 99.9





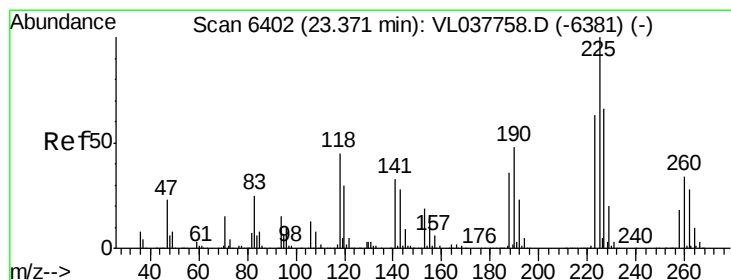
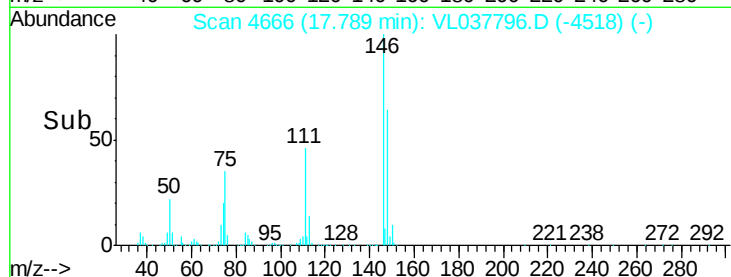
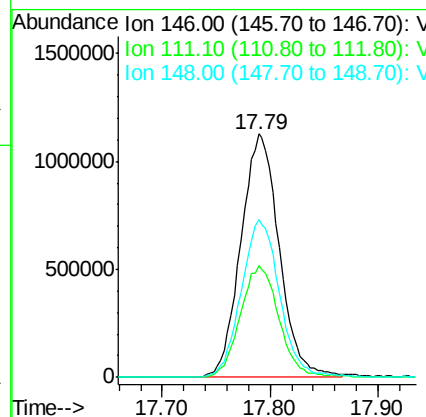
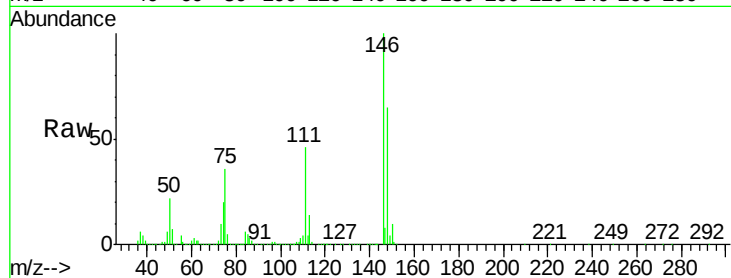
#77
 1,2-Dichlorobenzene
 Concen: 10.808 ppbv
 RT: 17.79 min Scan# 4666
 Delta R.T. -0.03 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:146 Resp: 2767099
 Ion Ratio Lower Upper
 146 100
 111 46.5 23.6 70.8
 148 64.9 32.9 98.6

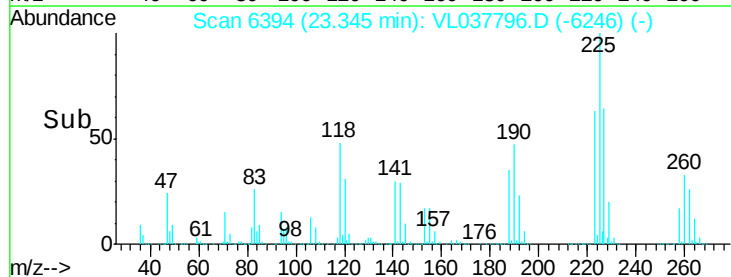
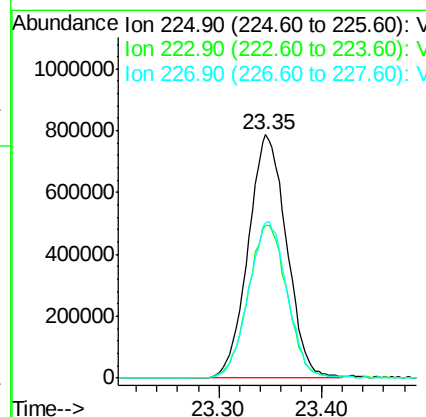
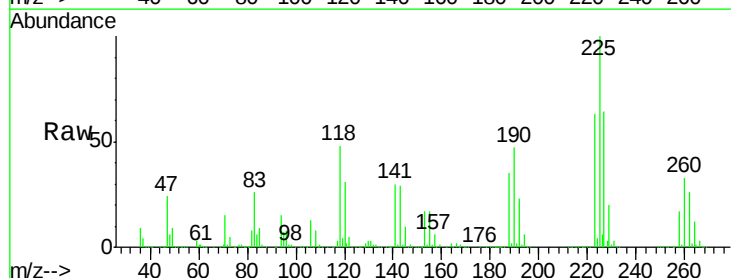
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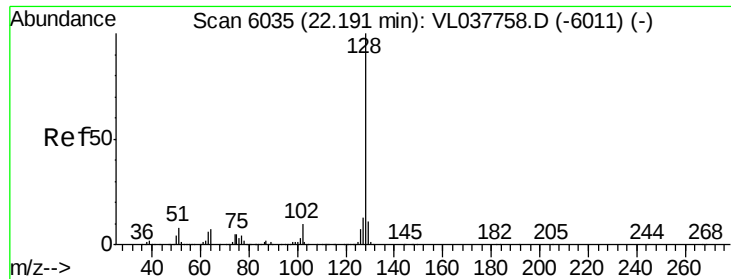
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#78
 Hexachloro-1,3-Butadiene
 Concen: 9.735 ppbv
 RT: 23.35 min Scan# 6394
 Delta R.T. -0.03 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Tgt Ion:225 Resp: 2035036
 Ion Ratio Lower Upper
 225 100
 223 64.6 51.2 76.8
 227 65.0 51.1 76.7





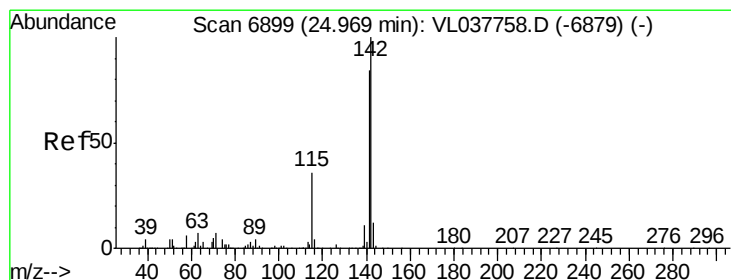
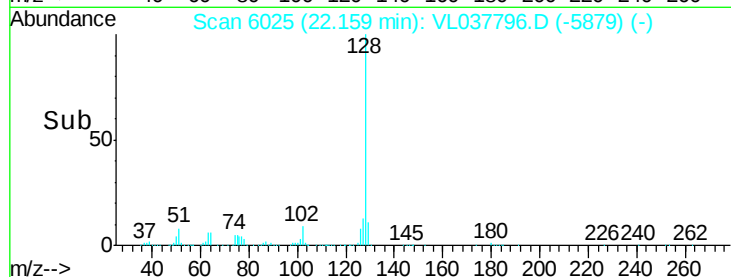
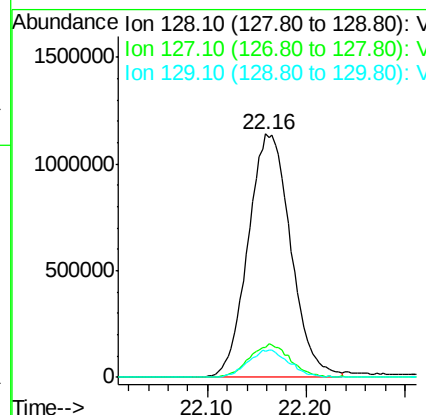
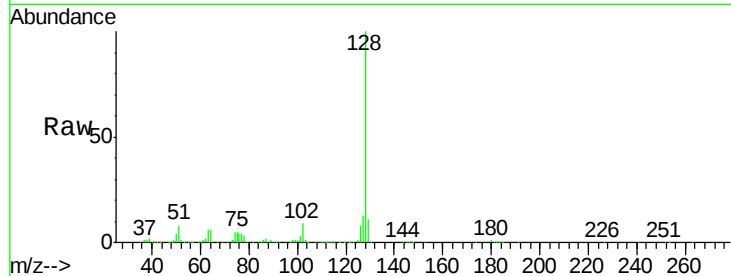
#79
Naphthalene
Concen: 12.977 ppbv
RT: 22.16 min Scan# 6025
Delta R.T. -0.03 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.4	10.1	15.1
129	10.8	9.1	13.7

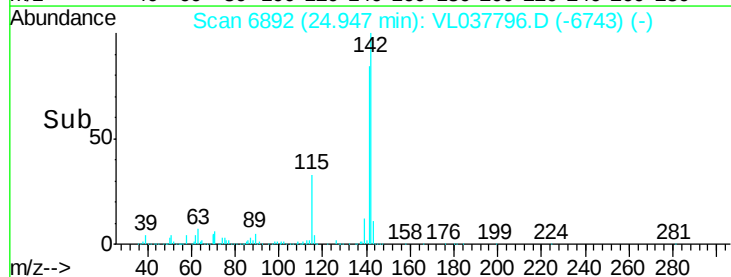
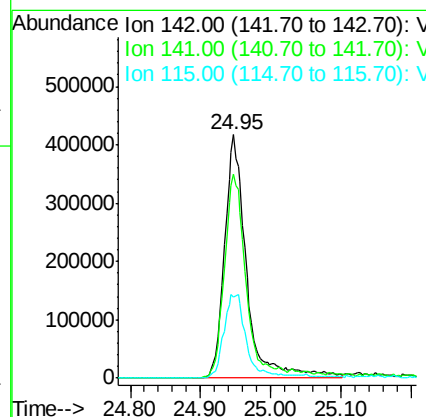
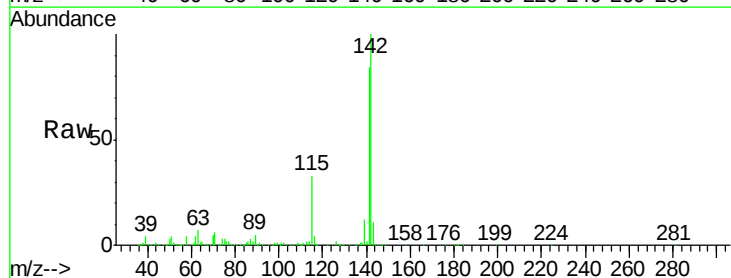
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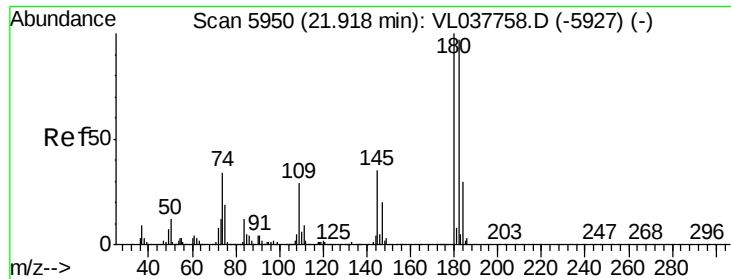
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#80
Naphthalene, 2-methyl-
Concen: 12.868 ppbv
RT: 24.95 min Scan# 6892
Delta R.T. -0.02 min
Lab File: VL037796.D
Acq: 7 Oct 2021 13:47

Tgt Ion	Ratio	Lower	Upper
142	100		
141	85.0	68.6	102.8
115	36.2	29.0	43.6





#81
 1,2,4-Trichlorobenzene
 Concen: 12.190 ppbv
 RT: 21.90 min Scan# 5943
 Delta R.T. -0.02 min
 Lab File: VL037796.D
 Acq: 7 Oct 2021 13:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.2	77.6	116.4
184	30.8	25.0	37.4

Manual Integrations
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