

Data File : VL037826.D
Acq On : 8 Oct 2021 10:58
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Quant Time: Oct 09 18:07:11 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 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	1350339	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	4000078	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	4435848	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2647058	8.53	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	85.30%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	1700257	7.883	ppbv	98
3) Chlorodifluoromethane	2.98	51	2351347	9.062	ppbv	98
4) Chloromethane	3.13	50	878362	9.243	ppbv	96
5) Vinyl Chloride	3.25	62	855453	9.820	ppbv	99
6) Bromomethane	3.47	94	407286	8.643	ppbv	92
7) Chloroethane	3.55	64	290662	9.074	ppbv	92
8) Dichlorotetrafluoroethane	3.18	85	1965986	9.222	ppbv	98
9) Propene	3.00	41	804530	8.427	ppbv	94
10) Heptane	8.11	43	2154930	9.939	ppbv	99
11) Trichlorofluoromethane	3.94	101	1815510	9.435	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	1340838	9.196	ppbv	99
13) Ethanol	3.60	45	42742	5.475	ppbv	59
14) Bromoethene	3.73	108	607143	9.470	ppbv	95
15) Acetone	3.84	43	1076708	8.882	ppbv	100
16) 1,3-Butadiene	3.32	39	844385	9.574	ppbv	99
17) tert-Butyl alcohol	4.27	59	1217804	9.755	ppbv	100
18) 1,1-Dichloroethene	4.28	96	599728	9.051	ppbv	94
19) Isopropyl Alcohol	3.95	45	724754	9.610	ppbv #	98
20) Methylene Chloride	4.33	84	525867	8.586	ppbv	98
21) Allyl Chloride	4.40	41	975440	9.083	ppbv	96
22) trans-1,2-Dichloroethene	4.87	96	618044	9.278	ppbv	99
23) Vinyl Acetate	5.06	43	1600757	8.812	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1275793	9.648	ppbv	99
25) Ethyl Acetate	5.66	43	3340795	9.821	ppbv	99
26) Hexane	5.67	57	1571834	9.384	ppbv	98
27) Carbon Disulfide	4.54	76	1516979	10.219	ppbv	100
28) Methyl tert-Butyl Ether	5.02	73	1336704	9.585	ppbv	98
29) Chloroform	5.74	83	2232280	9.324	ppbv	100
30) Cyclohexane	7.11	84	1337332	9.415	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1485820	9.771	ppbv	97
32) 1,1,1-Trichloroethane	6.50	97	2148114	9.464	ppbv	99
34) 2-Butanone	5.23	43	1461949	9.053	ppbv	100
35) Carbon Tetrachloride	7.01	117	2205470	9.708	ppbv	99
36) Benzene	6.88	78	3277372	9.593	ppbv	99
37) 1,2-Dichloroethane	6.29	62	1581055	9.828	ppbv	100
38) Trichloroethene	7.82	130	1304553	9.665	ppbv	96
39) 1,2-Dichloropropane	7.60	63	1246121	9.696	ppbv	93
40) 1,4-Dioxane	7.81	88	100672	3.131	ppbv #	100
41) Tetrahydrofuran	6.03	42	758528	9.592	ppbv	99
42) Bromodichloromethane	7.78	83	2345362	9.925	ppbv	96
43) Methyl Methacrylate	8.00	69	1197919	10.734	ppbv	98

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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	7.86	57	5451912	9.498	ppbv	99
45) t-1,3-Dichloropropene	9.26	75	773184	10.070	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	1061957	9.978	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	1325718	9.489	ppbv	98
48) Dibromochloromethane	10.29	129	2076079	10.424	ppbv	99
49) Bromoform	13.02	173	1748951	11.477	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2152788	10.241	ppbv	100
51) 2-Hexanone	10.12	43	1007974	10.741	ppbv #	100
52) Tetrachloroethene	11.20	164	1226126	9.224	ppbv	97
53) Toluene	9.79	91	3807076	10.055	ppbv	100
54) 1,2-Dibromoethane	10.60	107	1865158	9.884	ppbv	93
56) 1,1,1,2-Tetrachloroethane	12.11	131	1448673	7.889	ppbv	98
57) Chlorobenzene	12.13	112	2802528	7.702	ppbv	98
58) Ethyl Benzene	12.69	91	4938615	8.291	ppbv	97
59) m/p-Xylene	12.98	91	4624448	9.045	ppbv #	45
60) o-Xylene	13.68	91	3834784	7.826	ppbv	100
61) Styrene	13.51	104	2136110	9.013	ppbv	99
62) Isopropylbenzene	14.65	105	5424249	7.936	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	2834123	7.495	ppbv	100
64) n-propylbenzene	15.55	120	1453458	8.528	ppbv	99
65) tert-Butylbenzene	16.73	119	4834850	8.039	ppbv	100
66) Benzyl Chloride	16.97	91	115272	3.884	ppbv #	75
67) sec-Butylbenzene	17.28	105	6792588	8.258	ppbv	100
69) p-Isopropyltoluene	17.64	119	5748183	8.644	ppbv	100
70) n-Butylbenzene	18.53	91	5719970	9.054	ppbv	99
71) 2-Chlorotoluene	15.44	91	4060216	8.413	ppbv	99
72) 4-Ethyltoluene	15.82	105	4864688	8.743	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	4273950	8.457	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	4463222	8.410	ppbv	99
75) 1,3-Dichlorobenzene	16.98	146	2782721	8.463	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	2744318	8.749	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	2672878	8.462	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	1985046	7.697	ppbv	99
79) Naphthalene	22.17	128	3328042	10.239	ppbv	98
80) Naphthalene,2-methyl-	24.96	142	866648	9.930	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	1992156	9.583	ppbv	100

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

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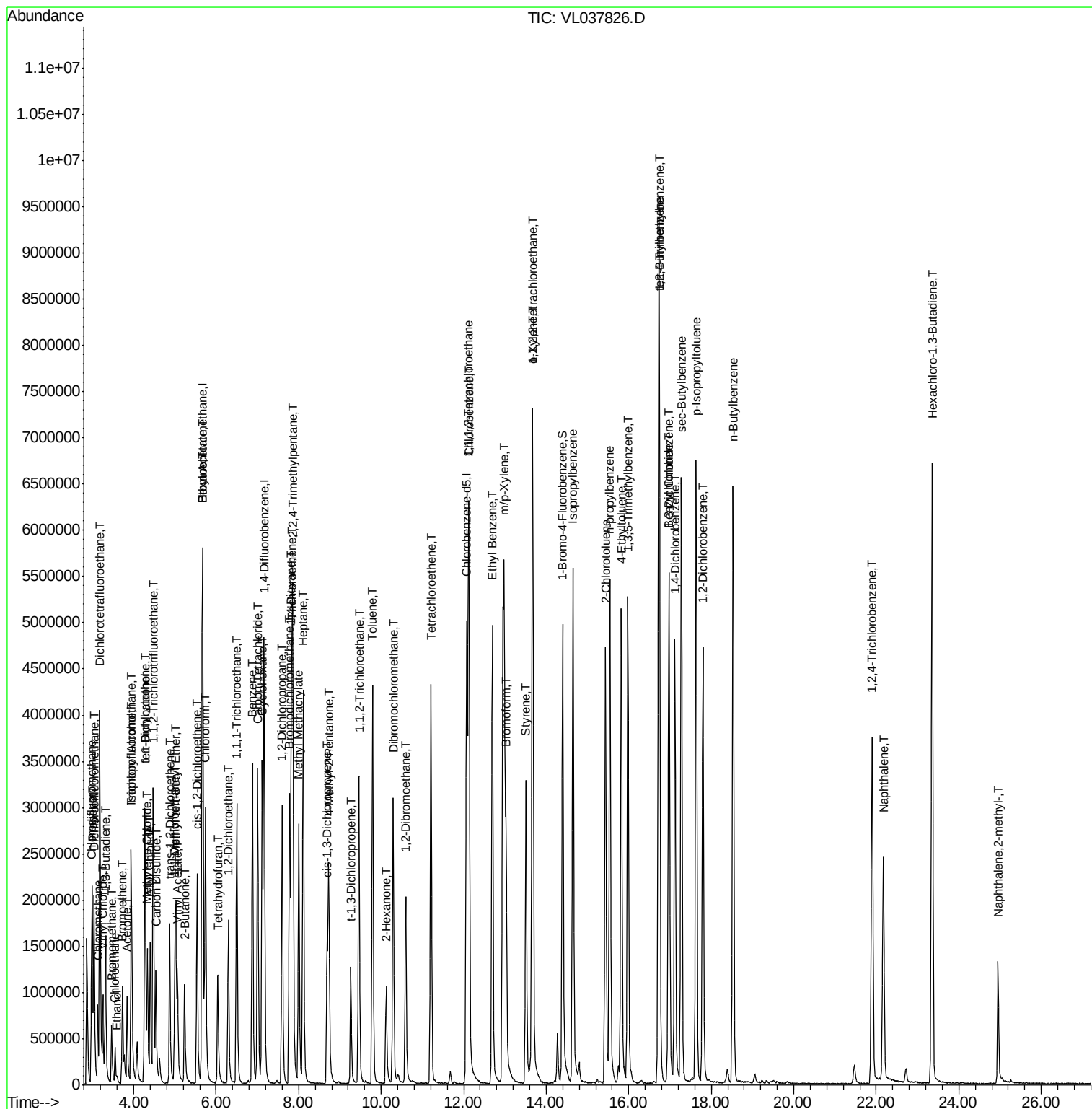
Quant Time: Oct 09 18:07:11 2021

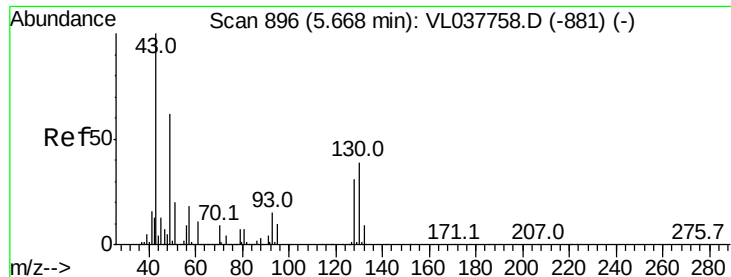
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_L\METHODS\VL100421AIR.M

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.01 min

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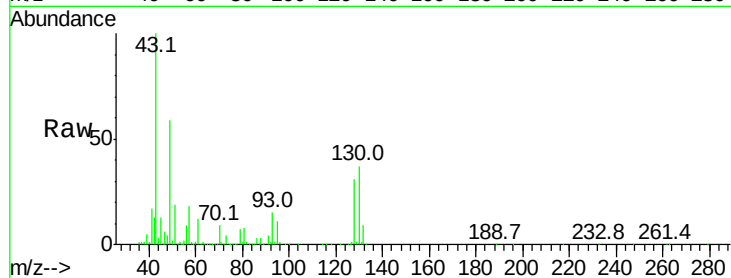
Tgt Ion: 49 Resp: 1350339

Ion Ratio Lower Upper

49 100

128 53.7 27.1 81.3

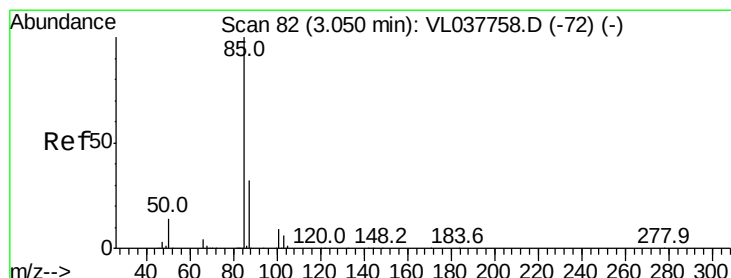
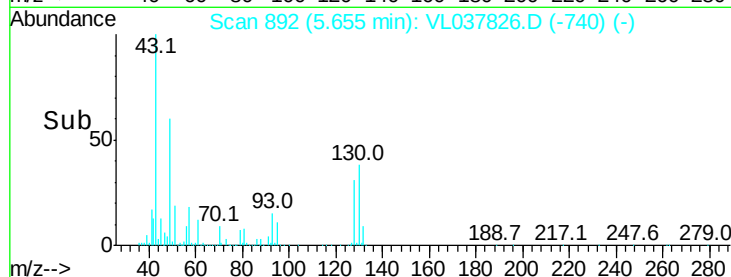
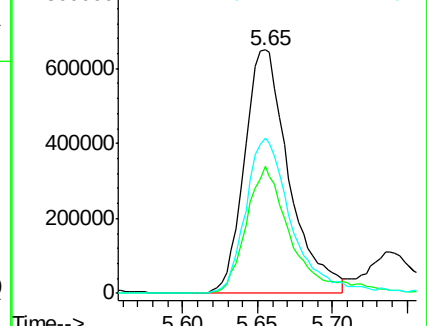
130 67.0 33.2 99.6



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: 7.883 ppbv

RT: 3.04 min Scan# 79

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Tgt Ion: 85 Resp: 1700257

Ion Ratio Lower Upper

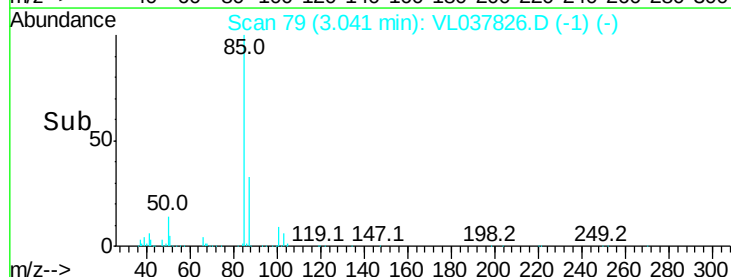
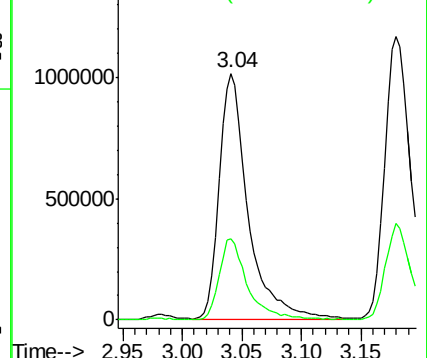
85 100

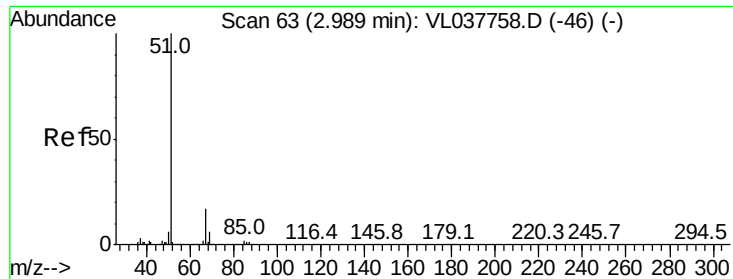
87 33.0 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 9.062 ppbv

RT: 2.98 min Scan# 60

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

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ClientSampleId :

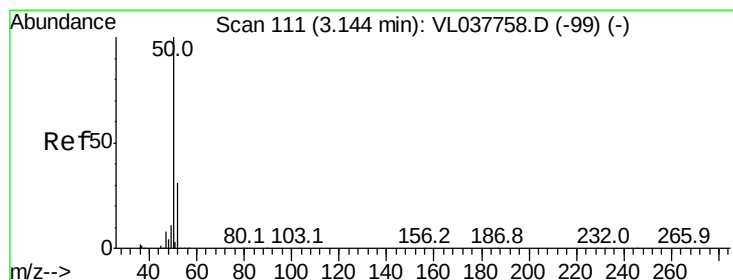
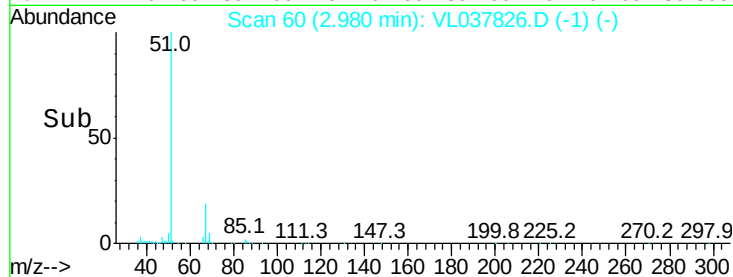
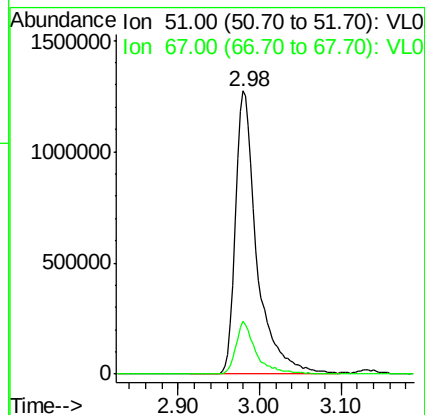
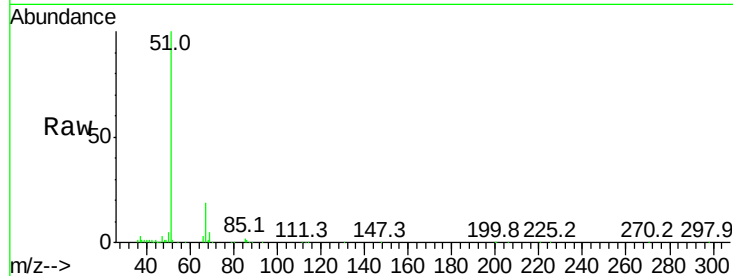
VSTDCCC010EC

Tgt Ion: 51 Resp: 2351347

Ion Ratio Lower Upper

51 100

67 17.7 13.5 20.3



#4

Chloromethane

Concen: 9.243 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL037826.D

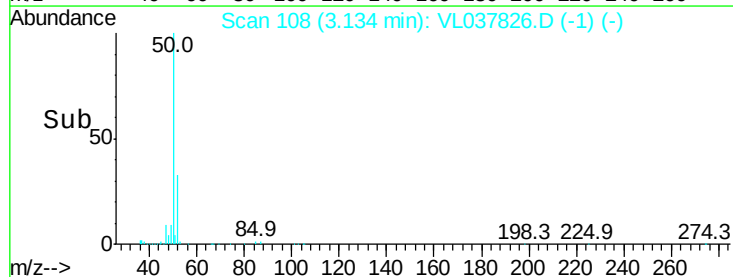
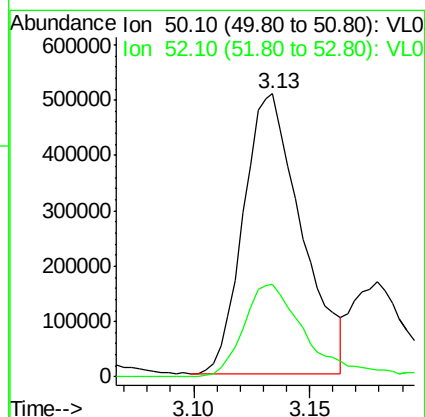
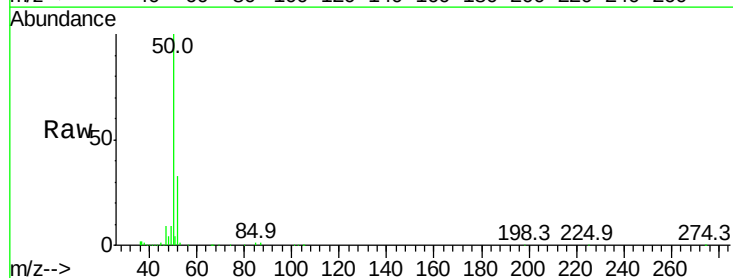
Acq: 8 Oct 2021 10:58

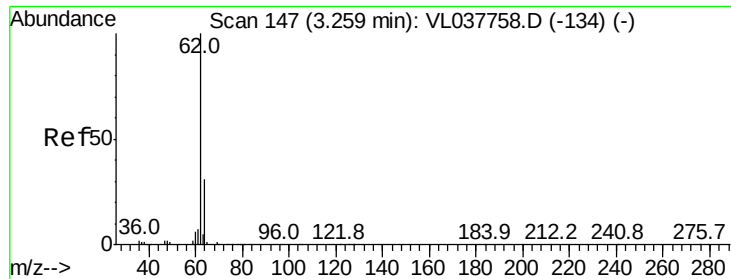
Tgt Ion: 50 Resp: 878362

Ion Ratio Lower Upper

50 100

52 32.7 24.4 36.6





#5

Vinyl Chloride

Concen: 9.820 ppbv

RT: 3.25 min Scan# 144

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

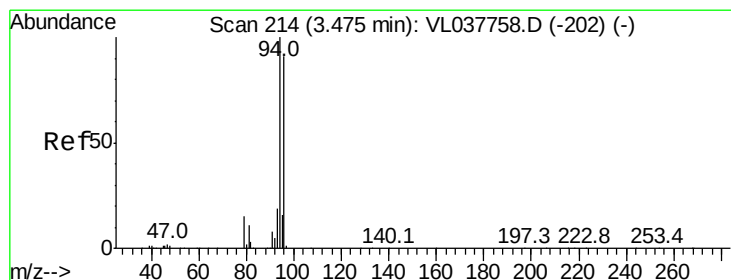
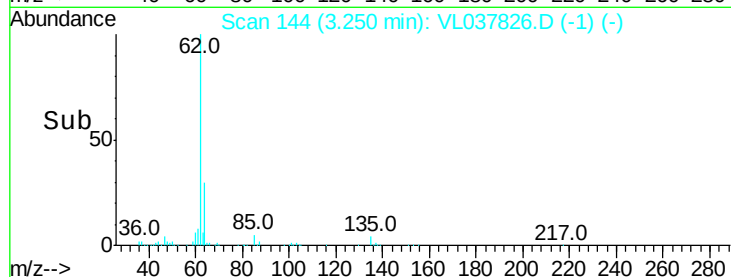
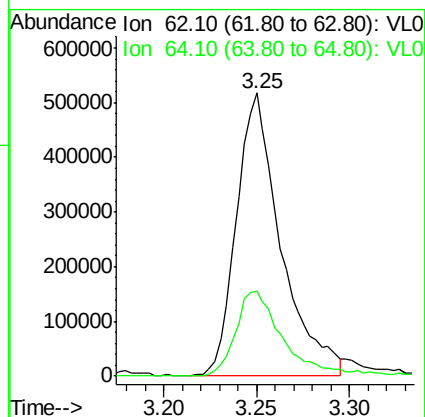
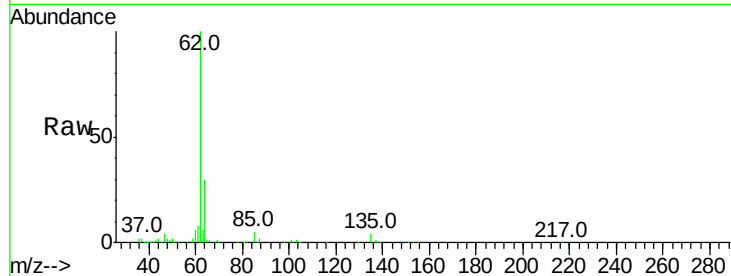
VSTDCCC010EC

Tgt Ion: 62 Resp: 855453

Ion Ratio Lower Upper

62 100

64 30.3 24.9 37.3



#6

Bromomethane

Concen: 8.643 ppbv

RT: 3.47 min Scan# 211

Delta R.T. -0.01 min

Lab File: VL037826.D

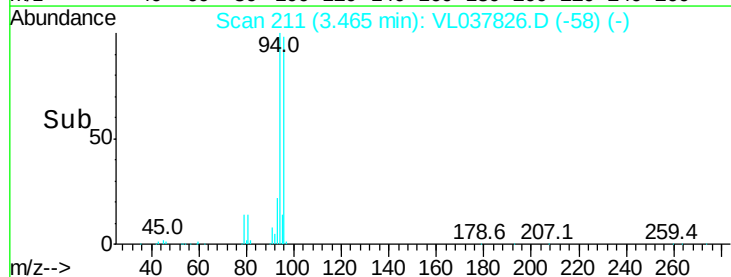
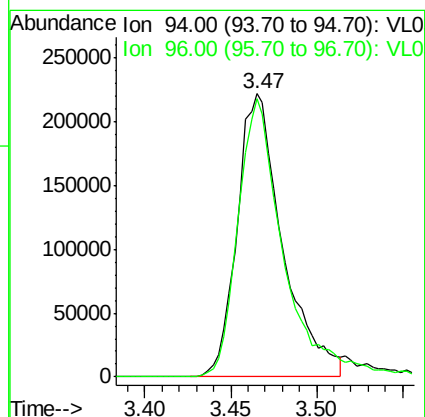
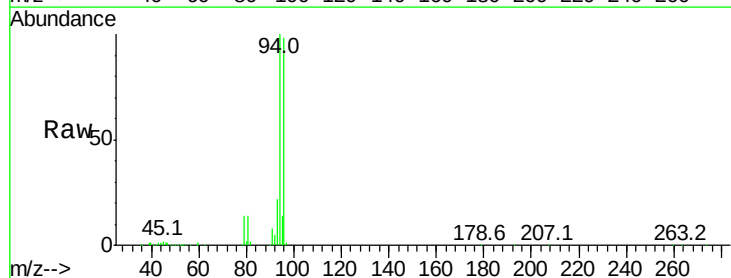
Acq: 8 Oct 2021 10:58

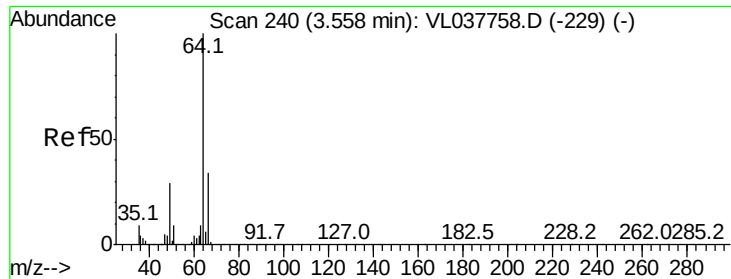
Tgt Ion: 94 Resp: 407286

Ion Ratio Lower Upper

94 100

96 98.2 72.5 108.7





#7

Chloroethane

Concen: 9.074 ppbv

RT: 3.55 min Scan# 237

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

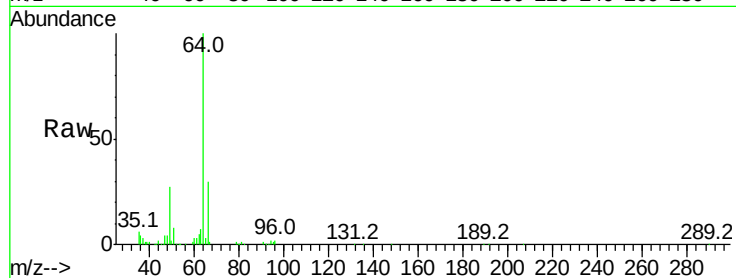
VSTDCCC010EC

Tgt Ion: 64 Resp: 290662

Ion Ratio Lower Upper

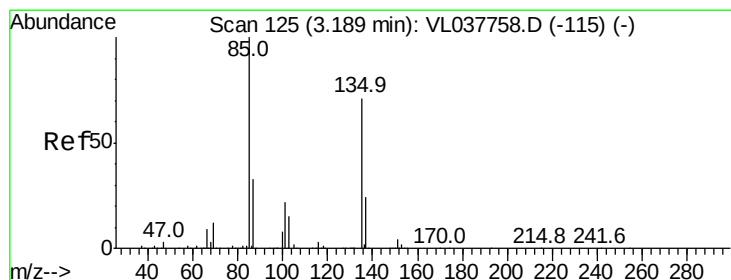
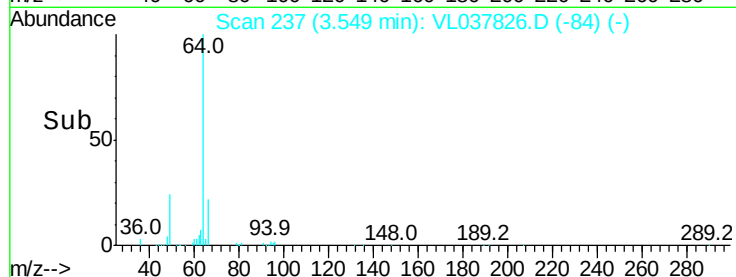
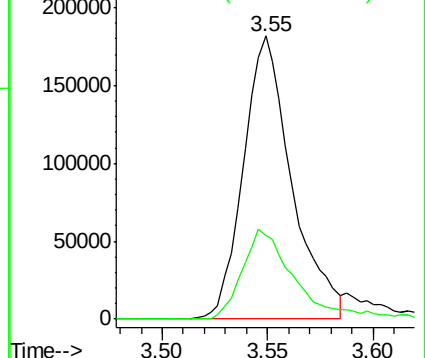
64 100

66 29.6 27.5 41.3



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 9.222 ppbv

RT: 3.18 min Scan# 122

Delta R.T. -0.01 min

Lab File: VL037826.D

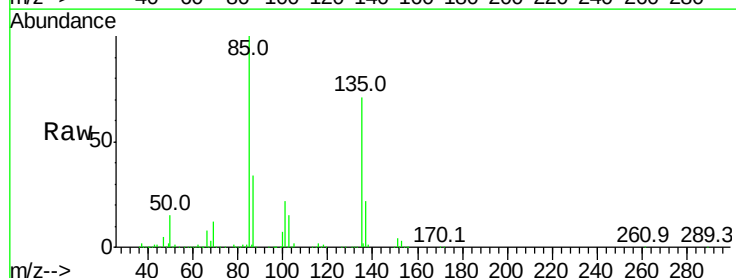
Acq: 8 Oct 2021 10:58

Tgt Ion: 85 Resp: 1965986

Ion Ratio Lower Upper

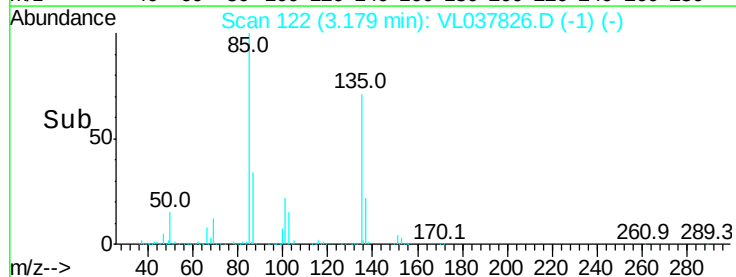
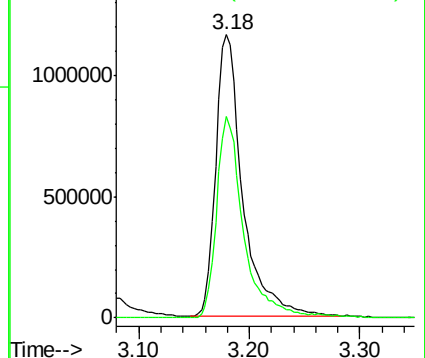
85 100

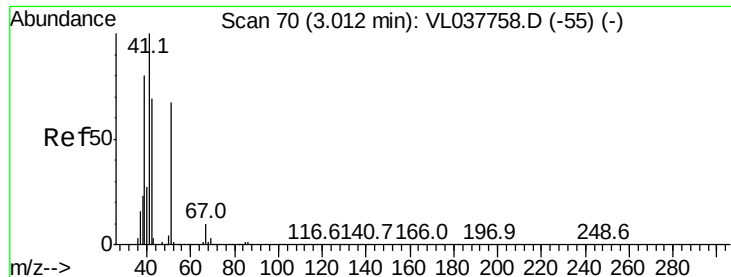
135 72.6 59.5 89.3



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 8.427 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

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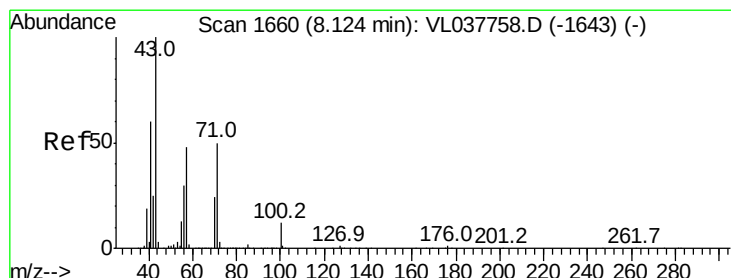
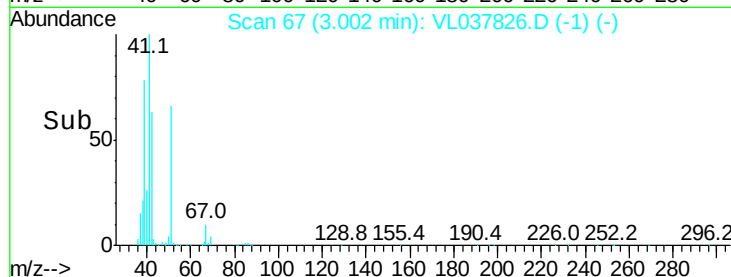
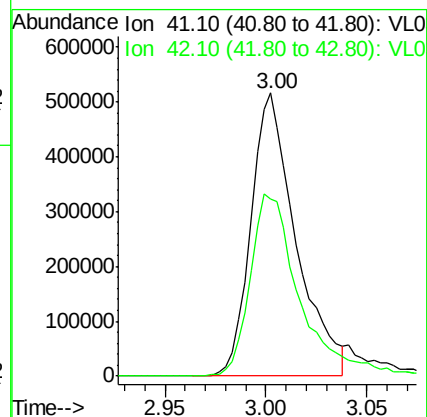
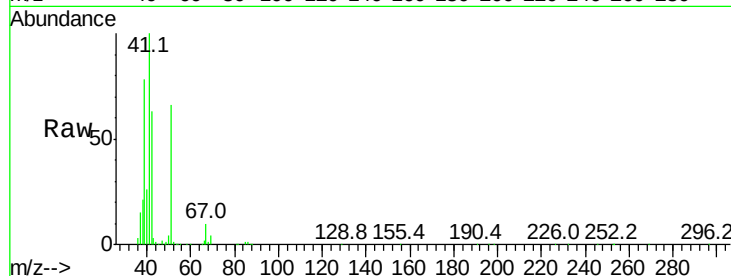
VSTDCCC010EC

Tgt Ion: 41 Resp: 804530

Ion Ratio Lower Upper

41 100

42 72.5 54.2 81.2



#10

Heptane

Concen: 9.939 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.02 min

Lab File: VL037826.D

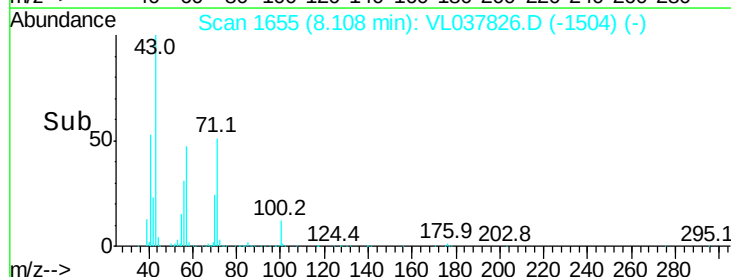
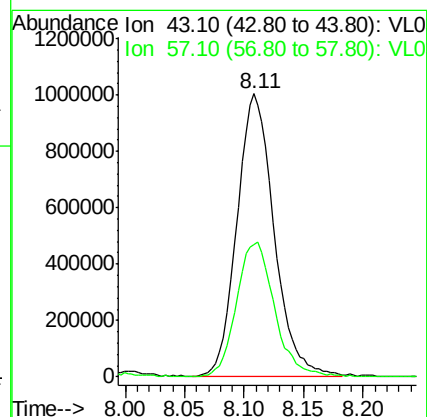
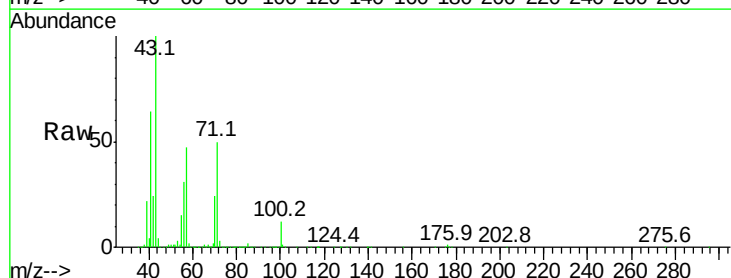
Acq: 8 Oct 2021 10:58

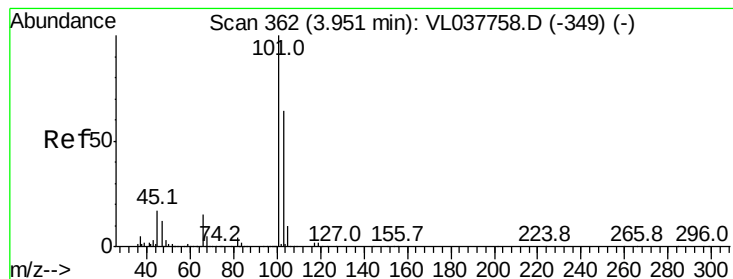
Tgt Ion: 43 Resp: 2154930

Ion Ratio Lower Upper

43 100

57 49.3 40.0 60.0





#11

Trichlorofluoromethane

Concen: 9.435 ppbv

RT: 3.94 min Scan# 359

Delta R.T. -0.01 min

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Acq: 8 Oct 2021 10:58

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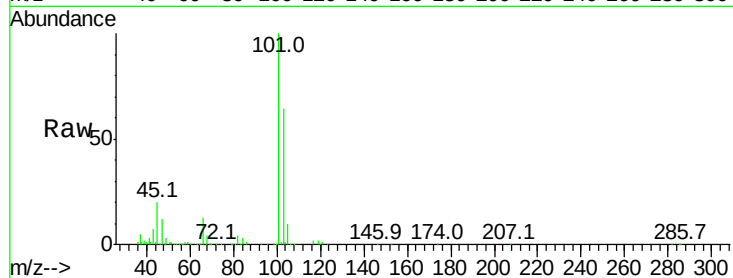
VSTDCCC010EC

Tgt Ion:101 Resp: 1815510

Ion Ratio Lower Upper

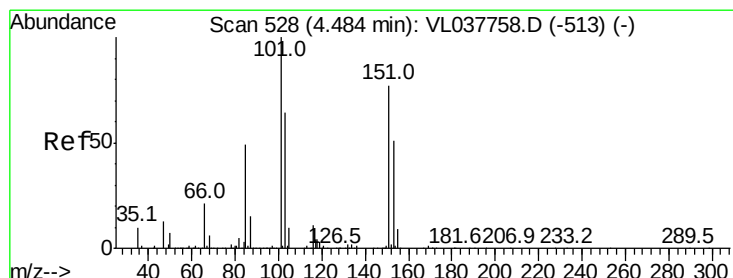
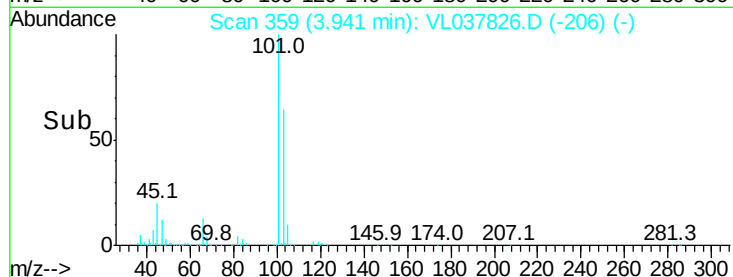
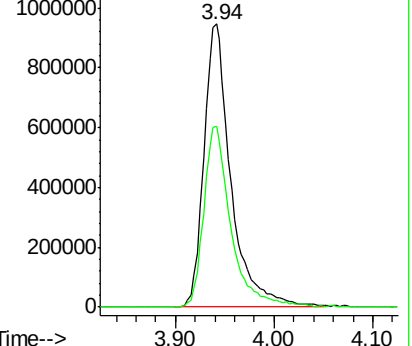
101 100

103 64.0 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 9.196 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.01 min

Lab File: VL037826.D

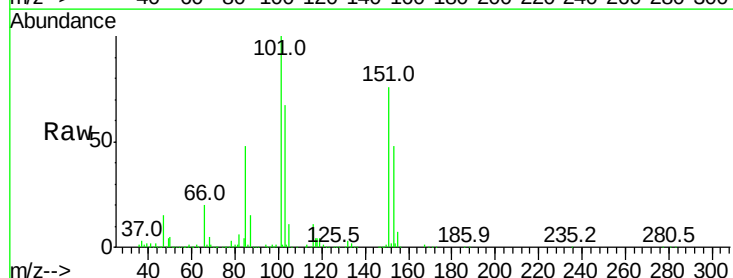
Acq: 8 Oct 2021 10:58

Tgt Ion:101 Resp: 1340838

Ion Ratio Lower Upper

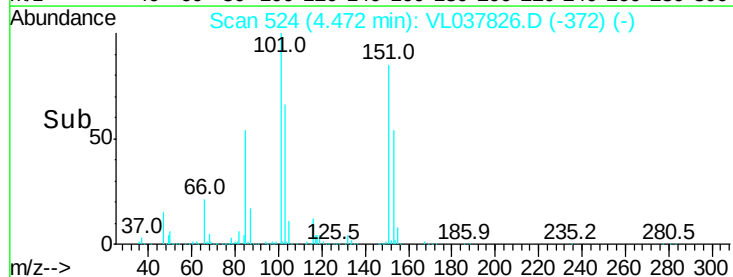
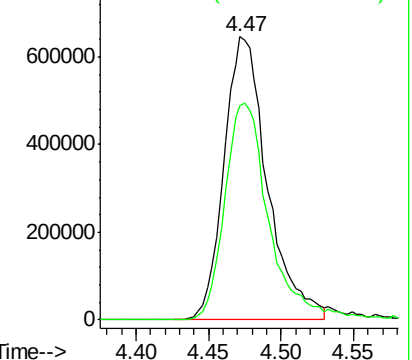
101 100

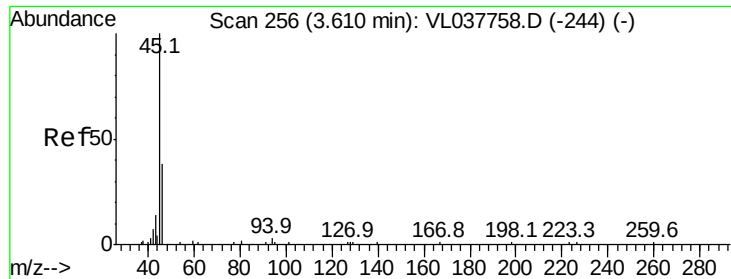
151 79.4 62.9 94.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 5.475 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

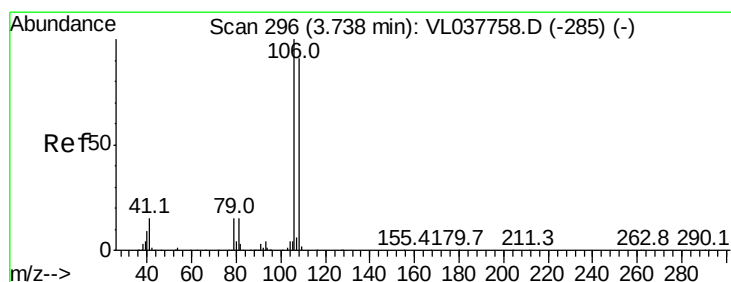
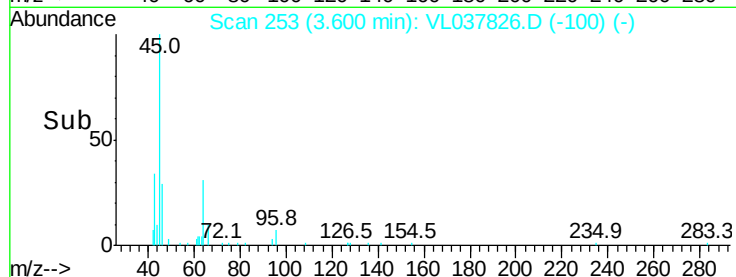
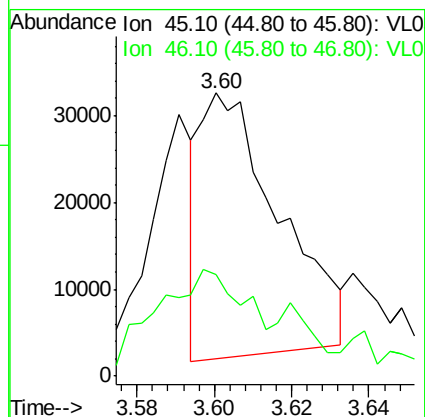
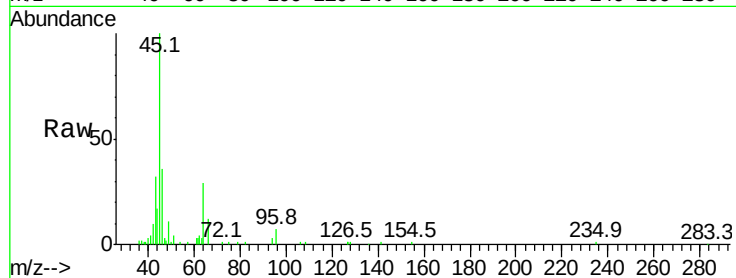
VSTDCCC010EC

Tgt Ion: 45 Resp: 42742

Ion Ratio Lower Upper

45 100

46 79.1 20.2 81.0



#14

Bromoethene

Concen: 9.470 ppbv

RT: 3.73 min Scan# 294

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

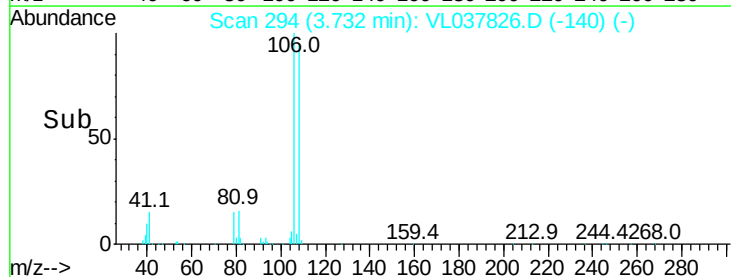
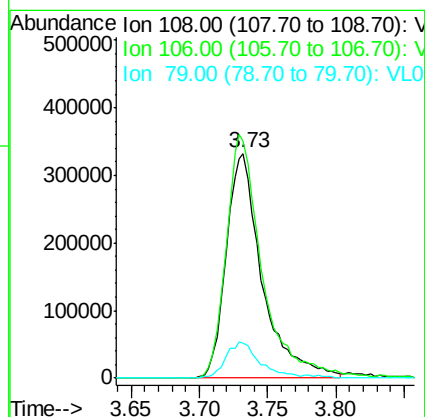
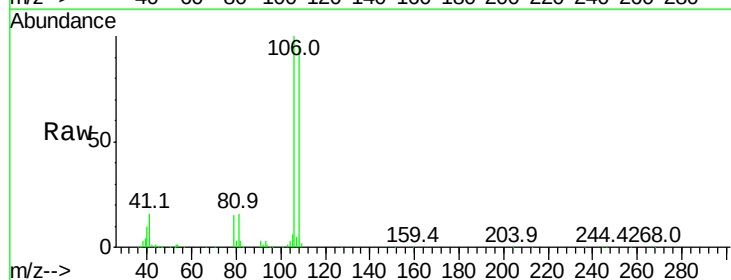
Tgt Ion: 108 Resp: 607143

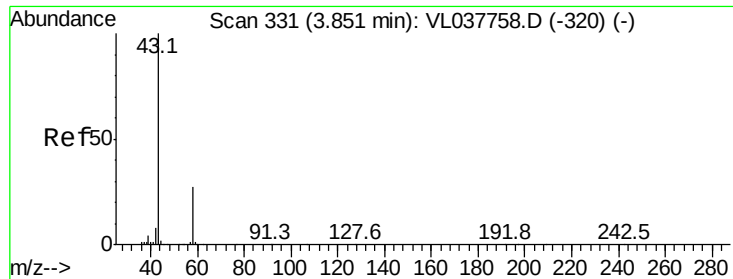
Ion Ratio Lower Upper

108 100

106 109.5 91.9 137.9

79 16.2 13.9 20.9





#15

Acetone

Concen: 8.882 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

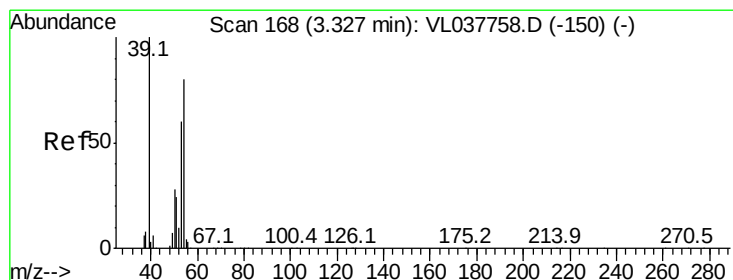
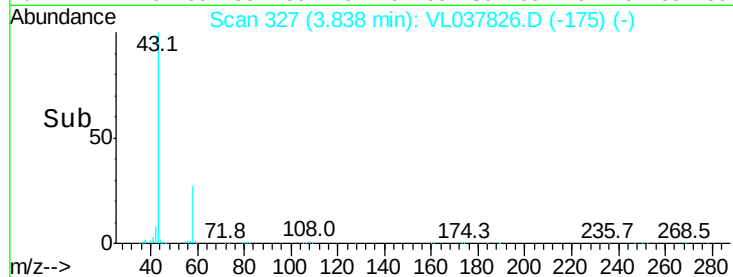
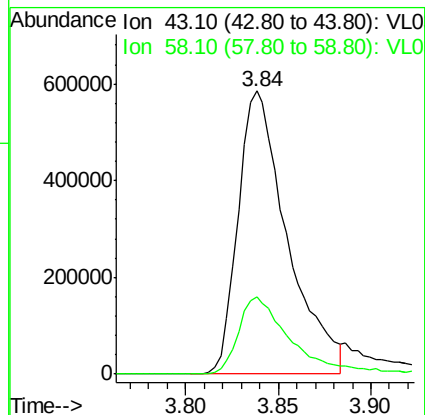
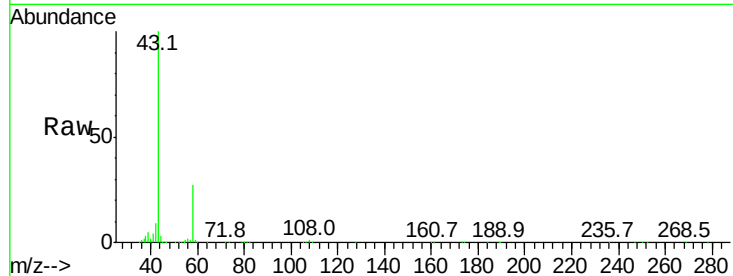
VSTDCCC010EC

Tgt Ion: 43 Resp: 1076708

Ion Ratio Lower Upper

43 100

58 29.0 23.0 34.6



#16

1,3-Butadiene

Concen: 9.574 ppbv

RT: 3.32 min Scan# 165

Delta R.T. -0.01 min

Lab File: VL037826.D

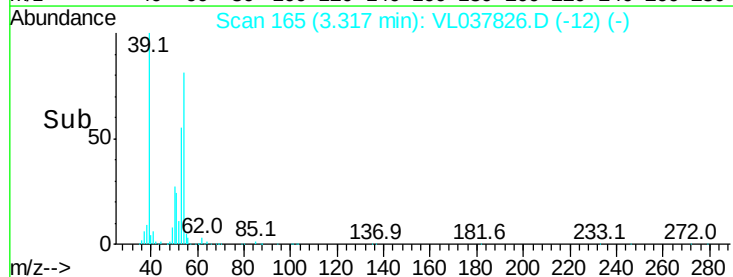
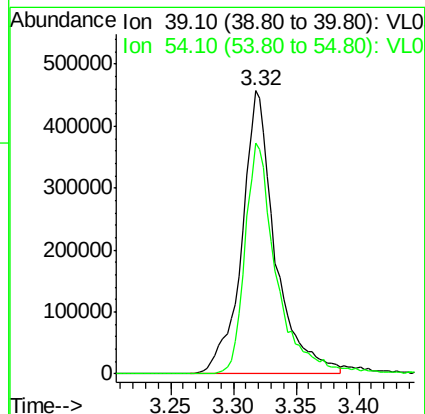
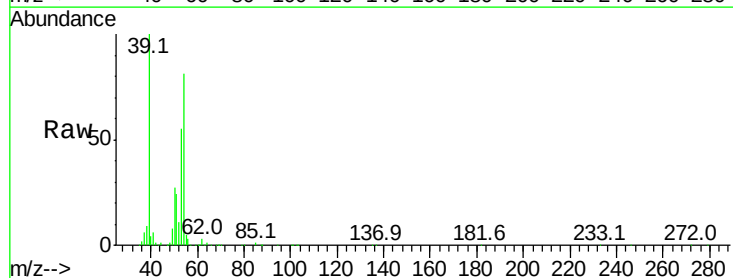
Acq: 8 Oct 2021 10:58

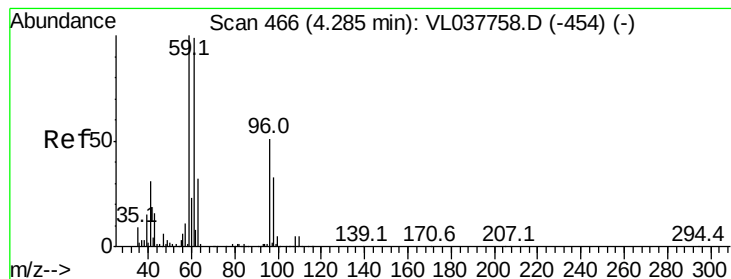
Tgt Ion: 39 Resp: 844385

Ion Ratio Lower Upper

39 100

54 77.9 61.7 92.5





#17

tert-Butyl alcohol

Concen: 9.755 ppbv

RT: 4.27 min Scan# 462

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

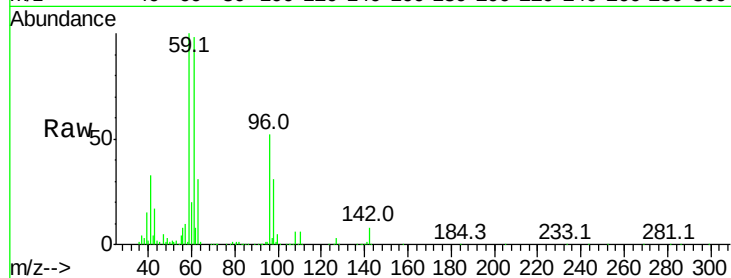
VSTDCCC010EC

Tgt Ion: 59 Resp: 1217804

Ion Ratio Lower Upper

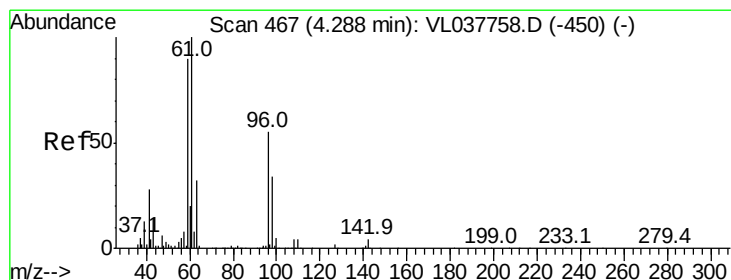
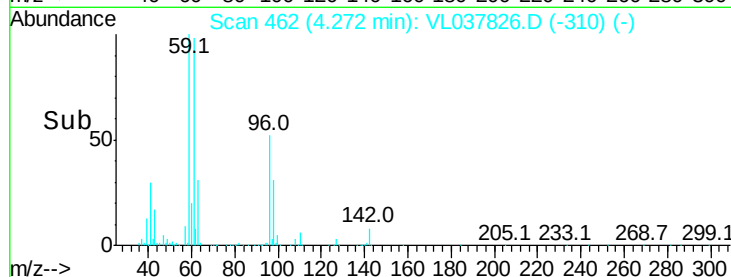
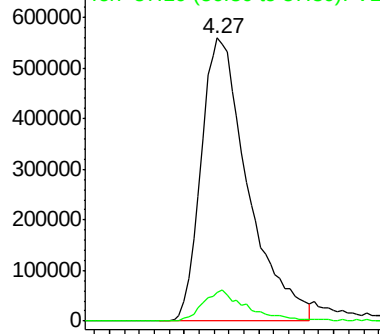
59 100

57 10.8 8.6 13.0



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 9.051 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

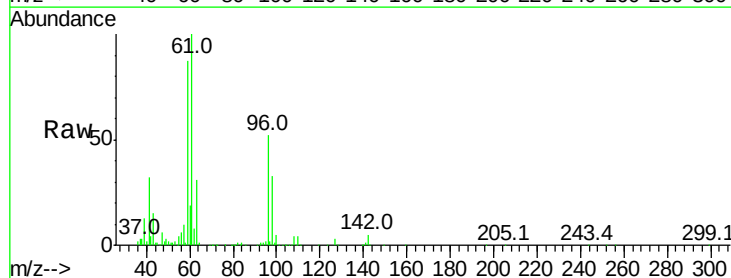
Tgt Ion: 96 Resp: 599728

Ion Ratio Lower Upper

96 100

61 193.8 146.2 219.4

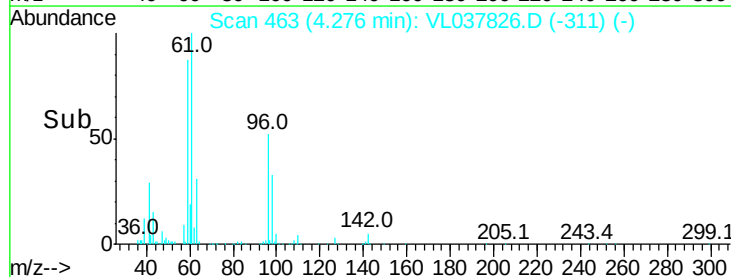
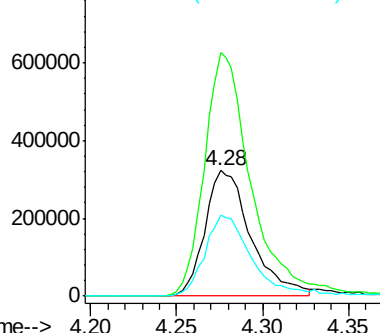
98 64.3 50.0 75.0

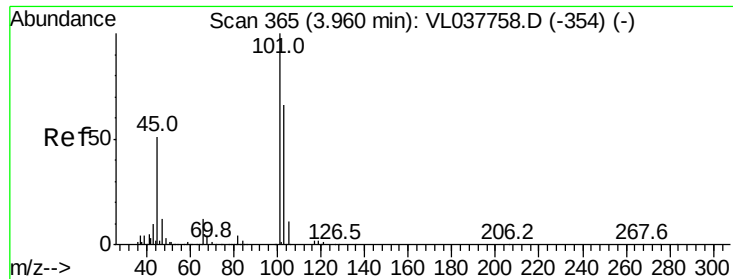


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 9.610 ppbv

RT: 3.95 min Scan# 362

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

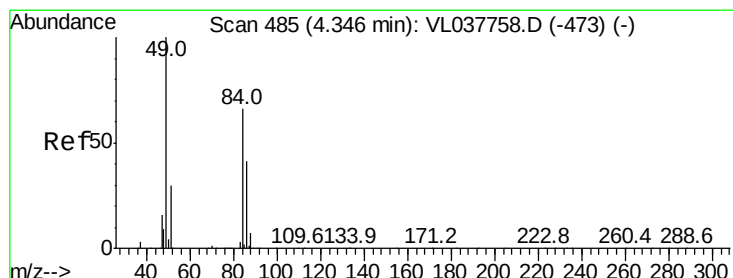
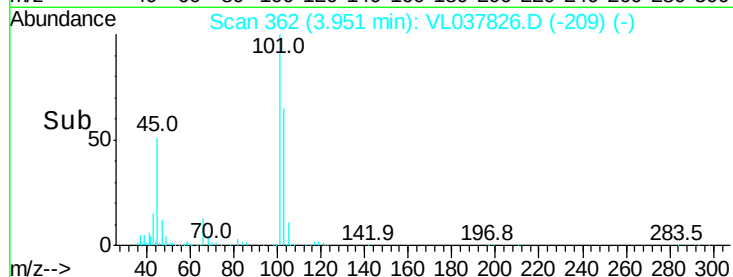
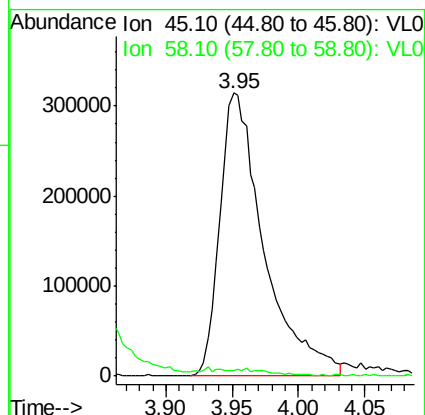
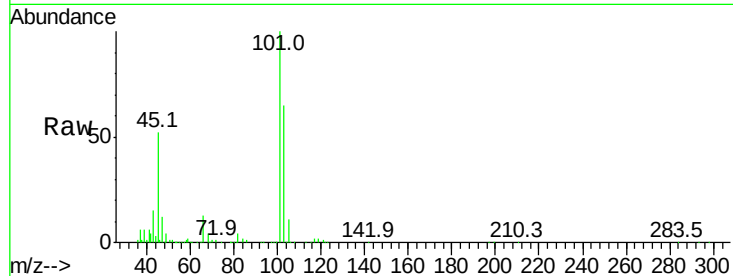
VSTDCCC010EC

Tgt Ion: 45 Resp: 724754

Ion Ratio Lower Upper

45 100

58 2.3 1.1 1.7#



#20

Methylene Chloride

Concen: 8.586 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Tgt Ion: 84 Resp: 525867

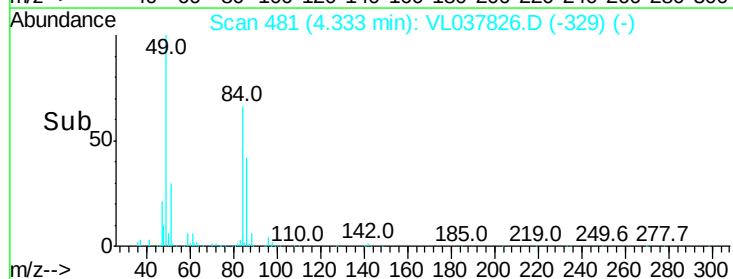
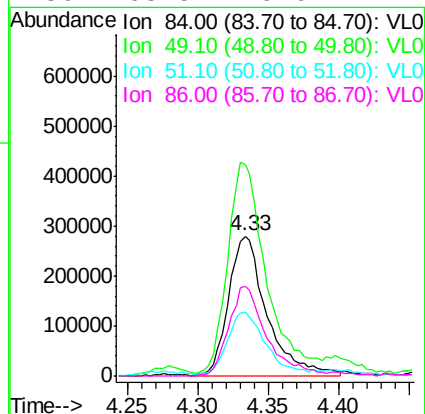
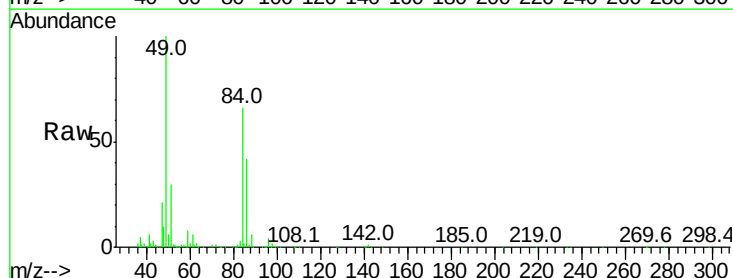
Ion Ratio Lower Upper

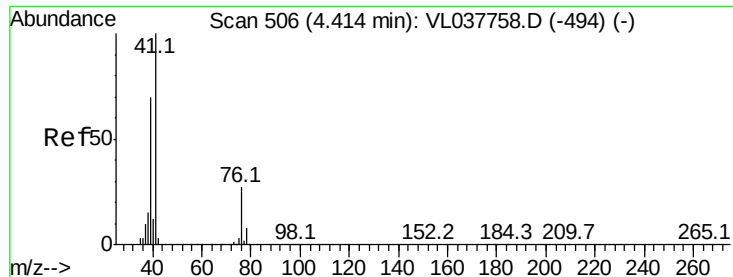
84 100

49 148.7 120.7 181.1

51 44.5 36.2 54.4

86 63.5 49.6 74.4

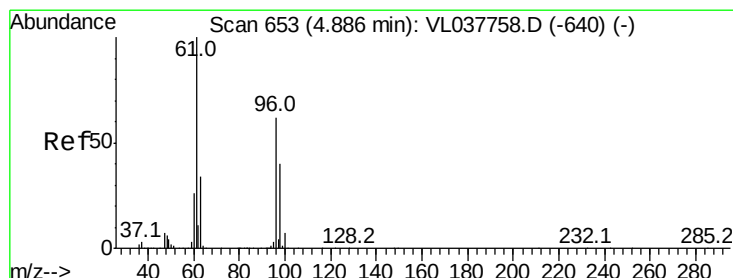
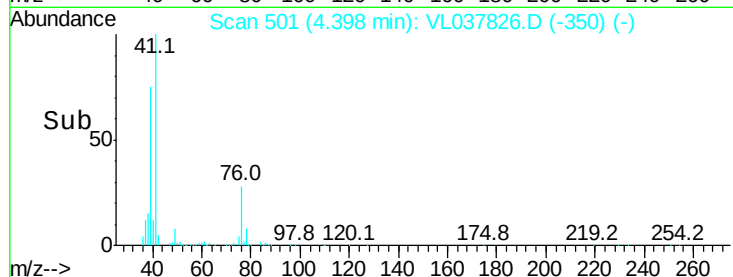
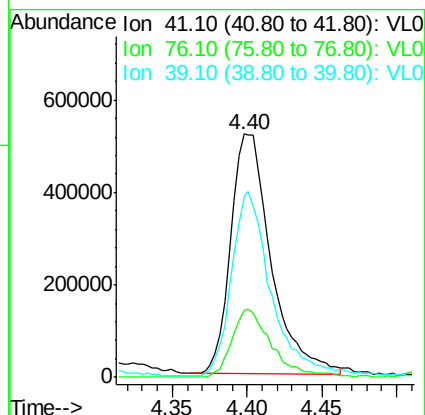
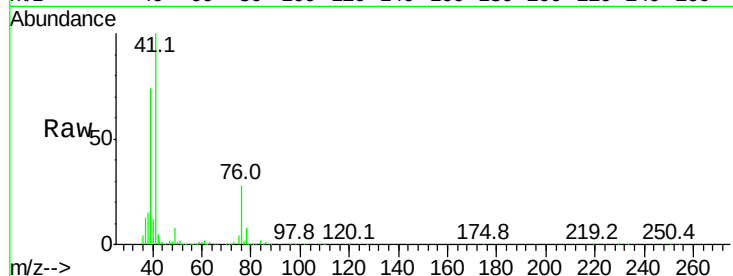




#21
 Allyl Chloride
 Concen: 9.083 ppbv
 RT: 4.40 min Scan# 501
 Delta R.T. -0.02 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

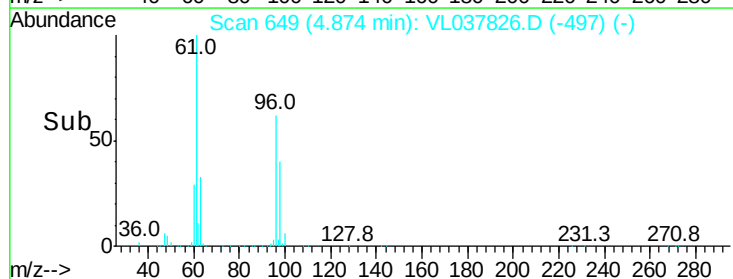
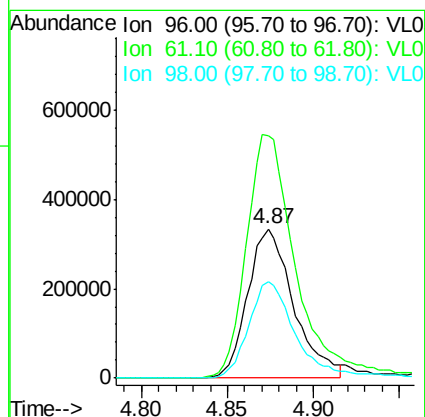
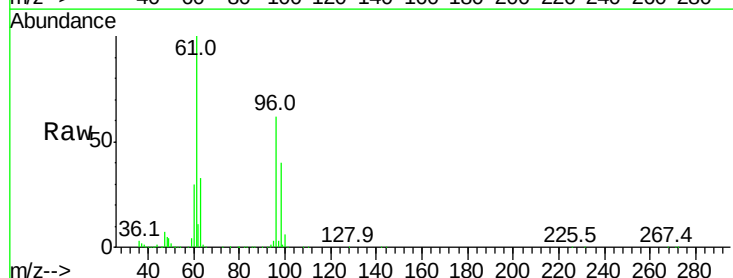
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

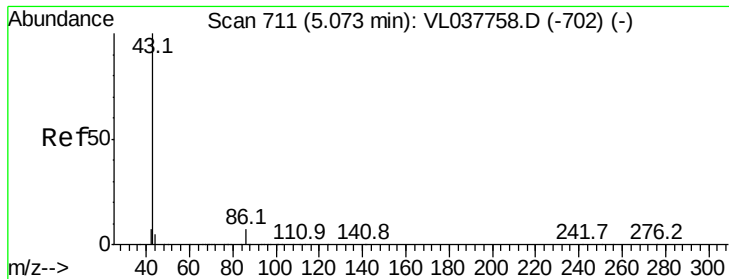
Tgt Ion: 41 Resp: 975440
 Ion Ratio Lower Upper
 41 100
 76 28.4 22.4 33.6
 39 77.0 58.0 87.0



#22
 trans-1,2-Dichloroethene
 Concen: 9.278 ppbv
 RT: 4.87 min Scan# 649
 Delta R.T. -0.01 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

Tgt Ion: 96 Resp: 618044
 Ion Ratio Lower Upper
 96 100
 61 162.6 129.0 193.6
 98 64.4 51.7 77.5



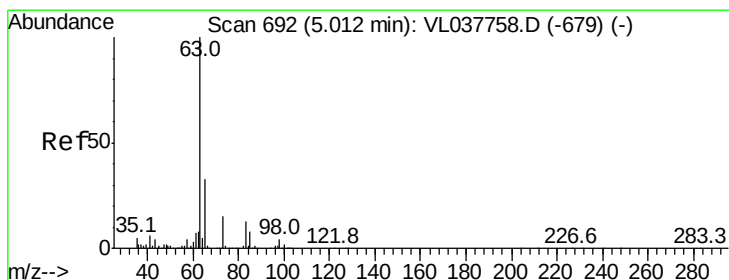
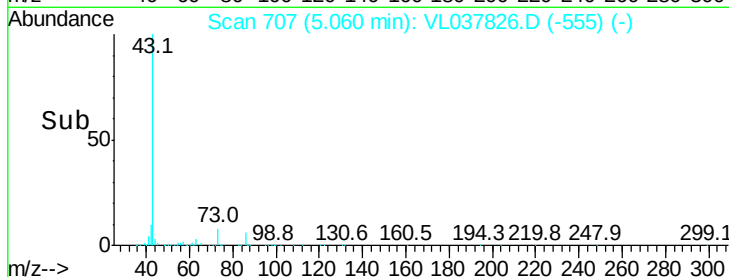
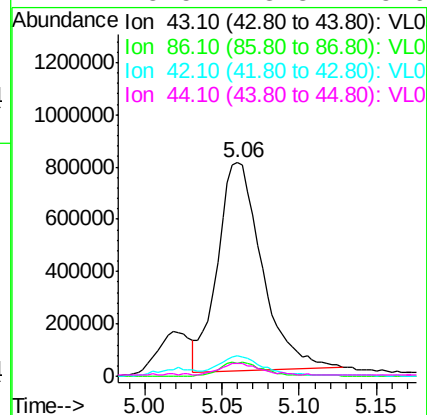
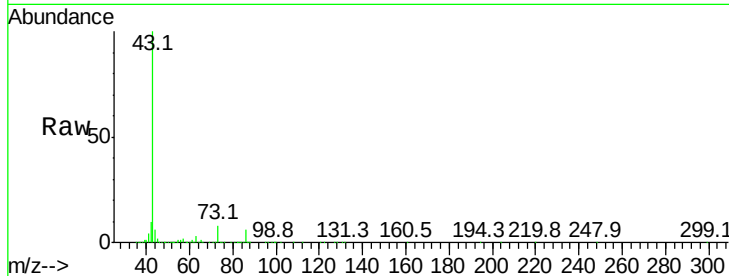


#23
 Vinyl Acetate
 Concen: 8.812 ppbv
 RT: 5.06 min Scan# 707
 Delta R.T. -0.01 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 43 Resp: 1600757

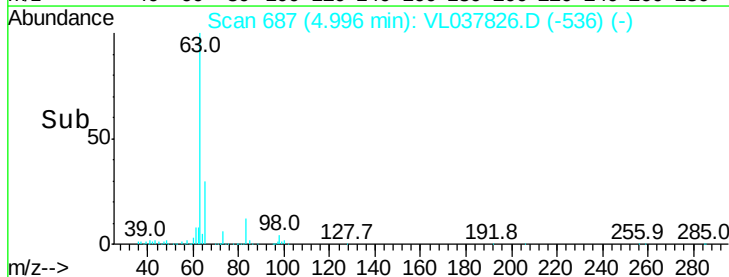
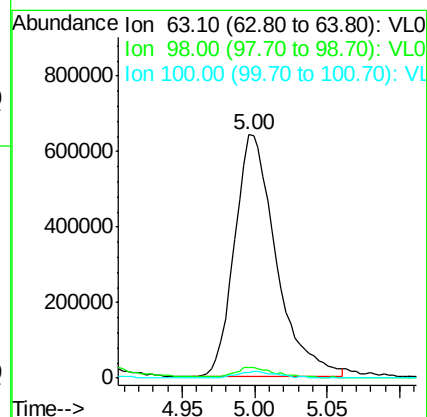
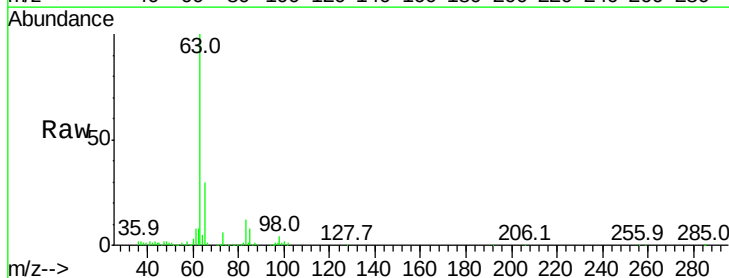
Ion	Ratio	Lower	Upper
43	100		
86	6.1	5.0	7.4
42	9.6	7.4	11.0
44	5.5	3.8	5.6

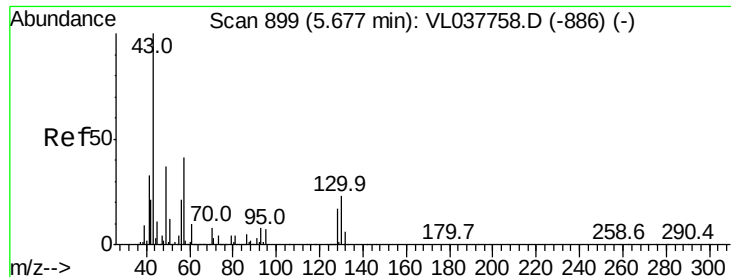


#24
 1,1-Dichloroethane
 Concen: 9.648 ppbv
 RT: 5.00 min Scan# 687
 Delta R.T. -0.02 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

Tgt Ion: 63 Resp: 1275793

Ion	Ratio	Lower	Upper
63	100		
98	4.0	2.3	6.9
100	2.2	1.1	3.1





#25

Ethyl Acetate

Concen: 9.821 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

Tgt Ion: 43 Resp: 3340795

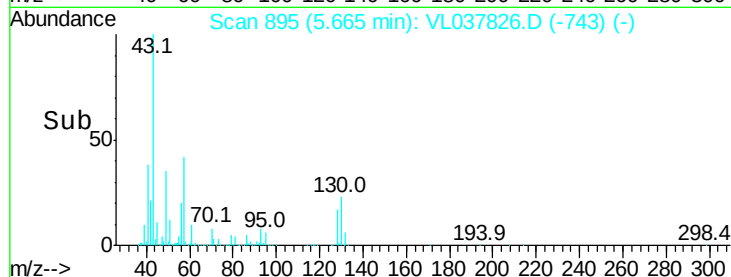
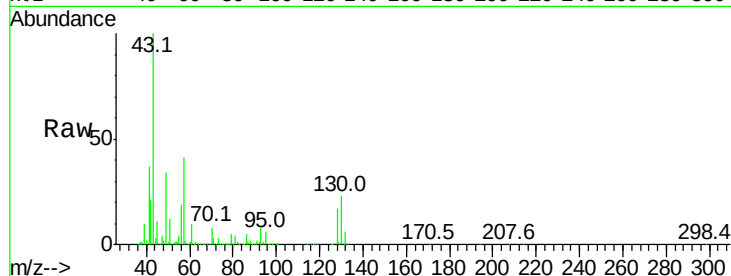
Ion	Ratio	Lower	Upper
43	100		
45	10.1	8.1	12.1
61	9.9	7.5	11.3
70	7.2	5.9	8.9

43 100

45 10.1 8.1 12.1

61 9.9 7.5 11.3

70 7.2 5.9 8.9



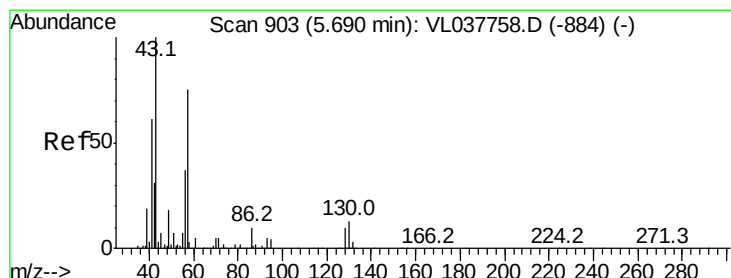
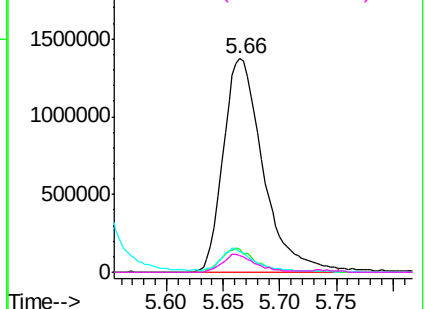
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26

Hexane

Concen: 9.384 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Tgt Ion: 57 Resp: 1571834

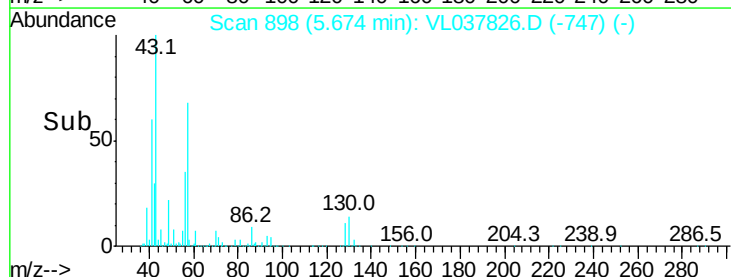
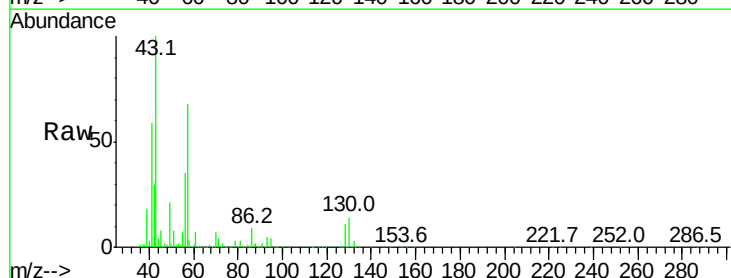
Ion	Ratio	Lower	Upper
57	100		
41	89.8	69.6	104.4
43	216.9	171.4	257.0
56	52.6	42.0	63.0

57 100

41 89.8 69.6 104.4

43 216.9 171.4 257.0

56 52.6 42.0 63.0



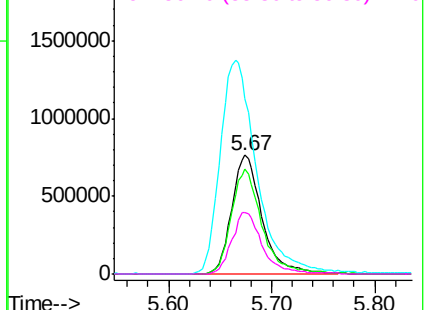
Abundance

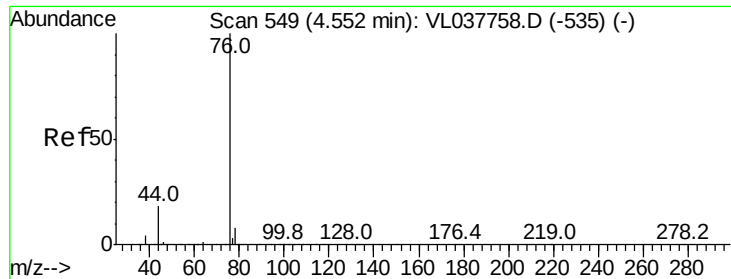
Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0





#27

Carbon Disulfide

Concen: 10.219 ppbv

RT: 4.54 min Scan# 545

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

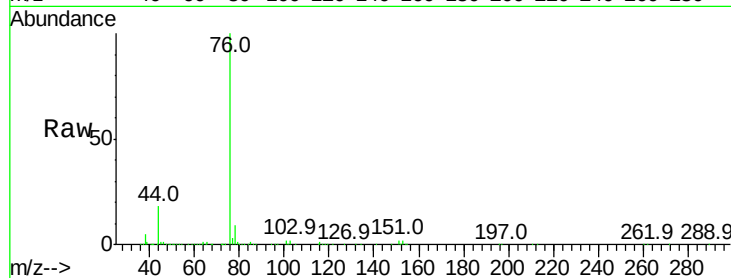
Tgt Ion: 76 Resp: 1516979

Ion Ratio Lower Upper

76 100

44 17.9 14.3 21.5

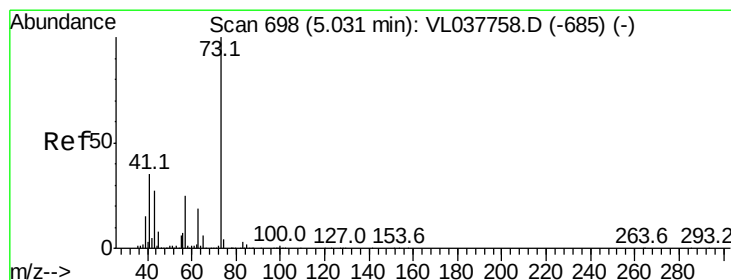
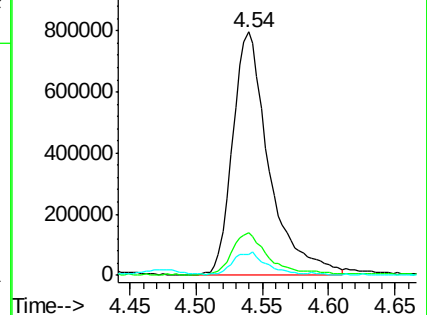
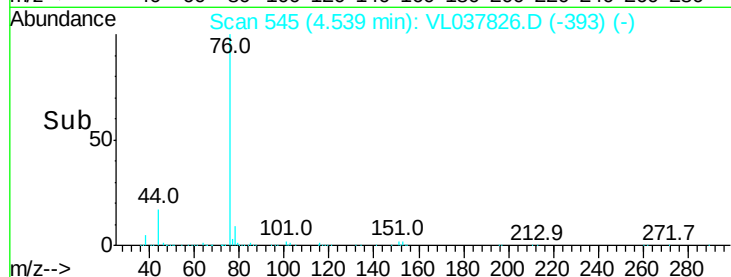
78 9.9 7.8 11.6



Abundance Ion 76.00 (75.70 to 76.70): VL0

Ion 44.10 (43.80 to 44.80): VL0

Ion 78.00 (77.70 to 78.70): VL0



#28

Methyl tert-Butyl Ether

Concen: 9.585 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.01 min

Lab File: VL037826.D

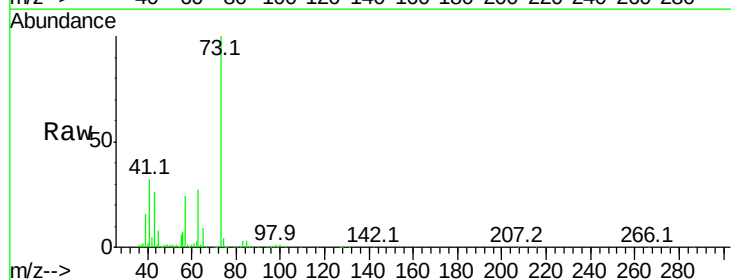
Acq: 8 Oct 2021 10:58

Tgt Ion: 73 Resp: 1336704

Ion Ratio Lower Upper

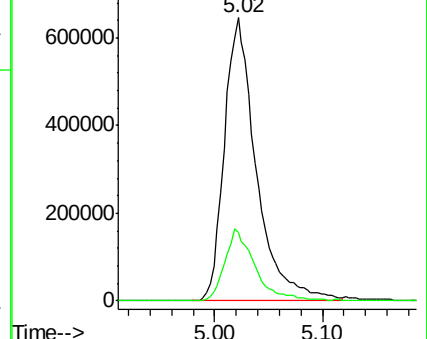
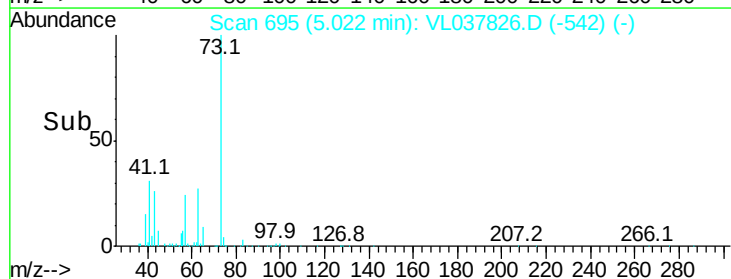
73 100

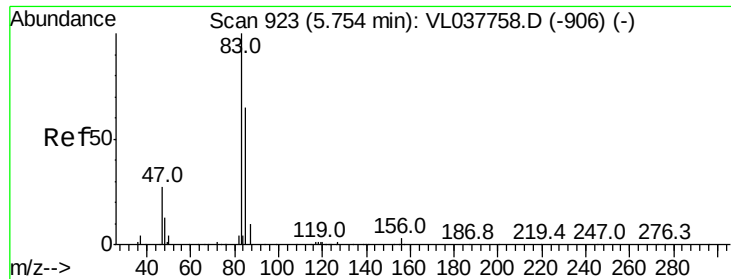
57 24.6 20.4 30.6



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

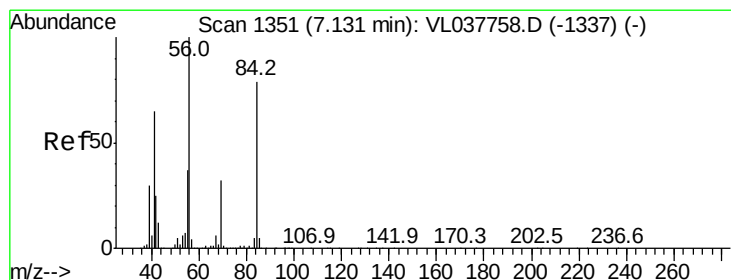
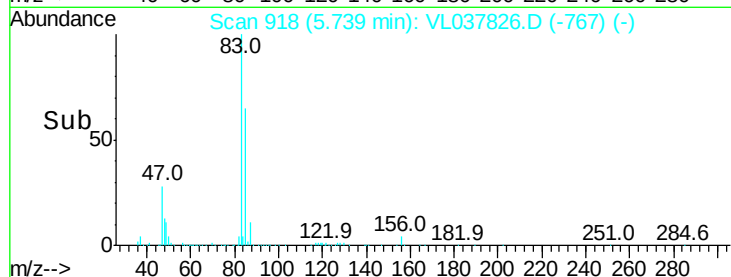
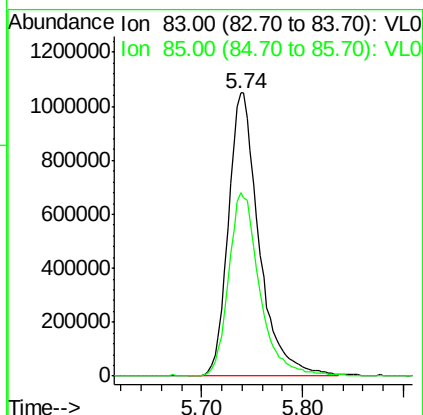
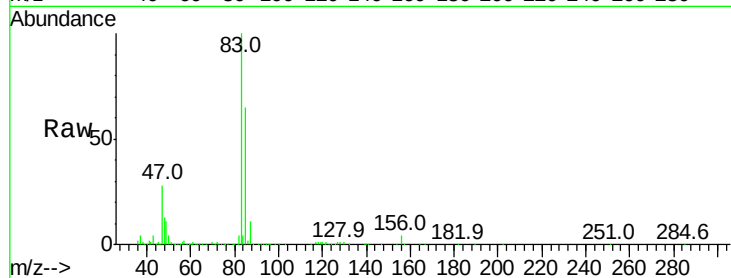




#29
Chloroform
Concen: 9.324 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL037826.D
Acq: 8 Oct 2021 10:58

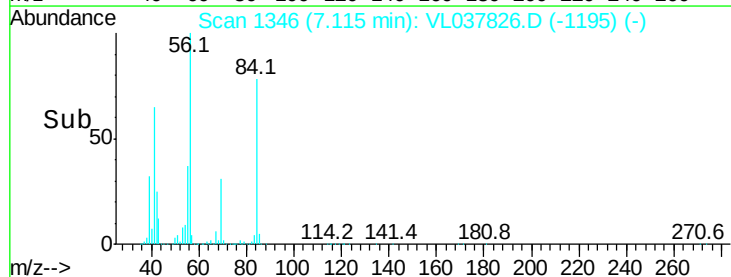
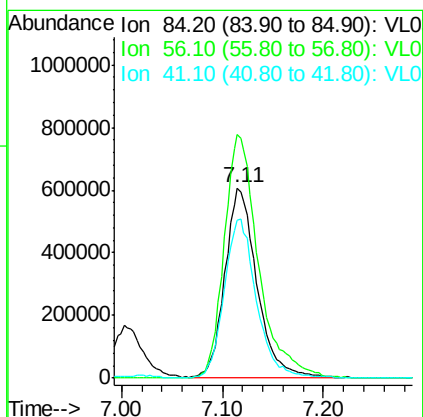
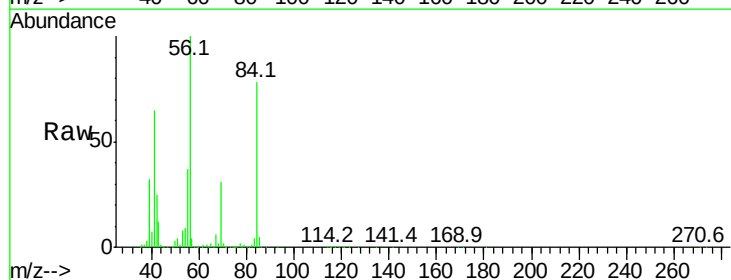
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

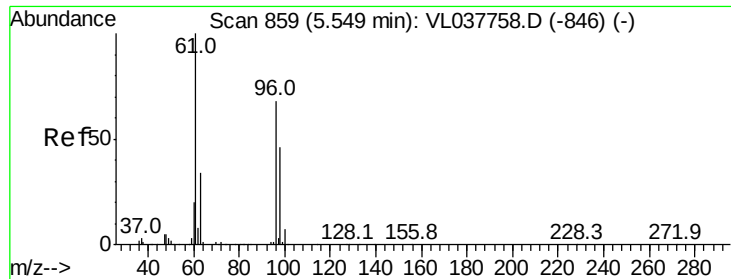
Tgt Ion: 83 Resp: 2232280
Ion Ratio Lower Upper
83 100
85 64.6 51.8 77.8



#30
Cyclohexane
Concen: 9.415 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.02 min
Lab File: VL037826.D
Acq: 8 Oct 2021 10:58

Tgt Ion: 84 Resp: 1337332
Ion Ratio Lower Upper
84 100
56 138.1 113.0 169.4
41 84.6 69.1 103.7



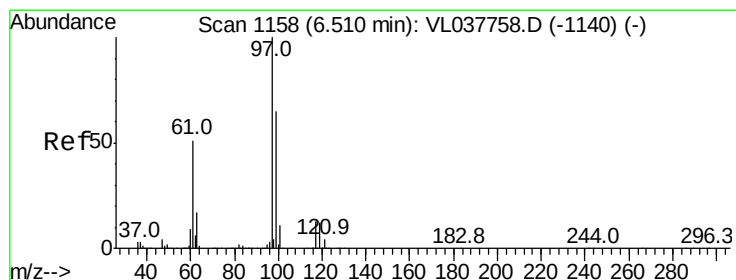
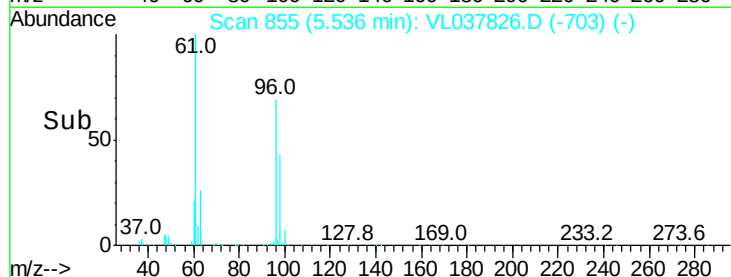
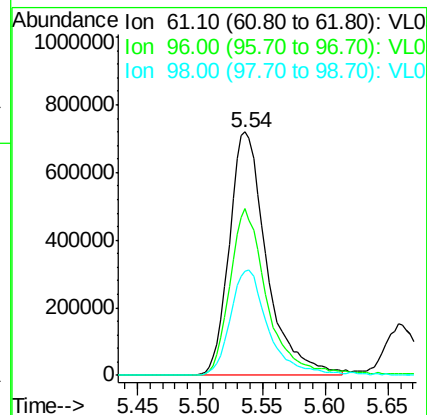
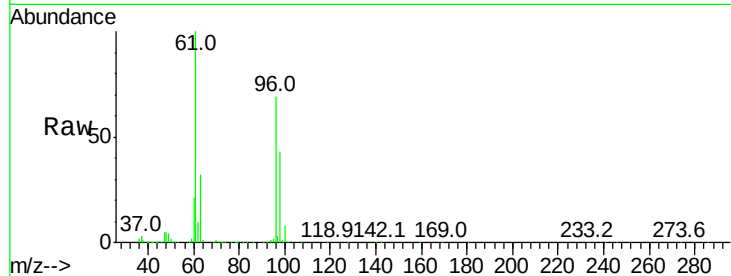


#31

cis-1,2-Dichloroethene
Concen: 9.771 ppbv
RT: 5.54 min Scan# 855
Delta R.T. -0.01 min
Lab File: VL037826.D
Acq: 8 Oct 2021 10:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

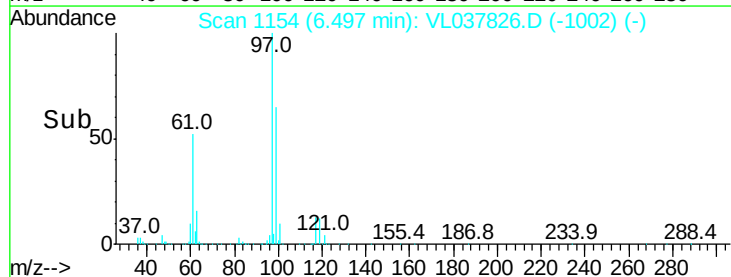
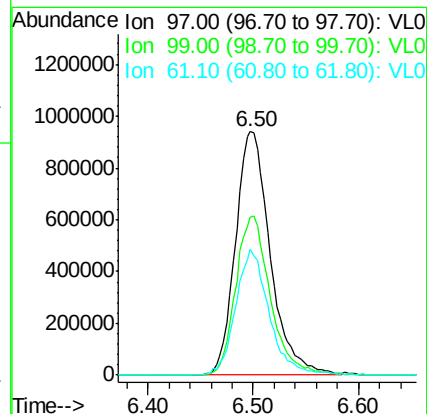
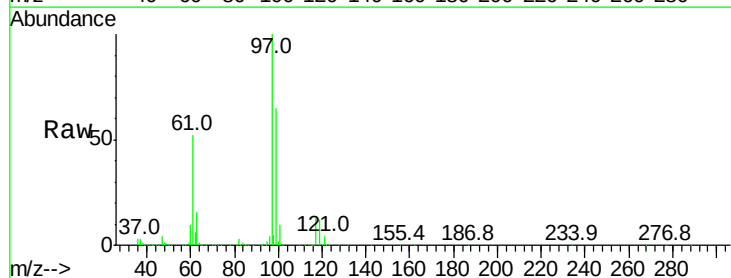
Tgt Ion: 61 Resp: 1485820
Ion Ratio Lower Upper
61 100
96 68.7 54.2 81.2
98 42.8 36.6 54.8

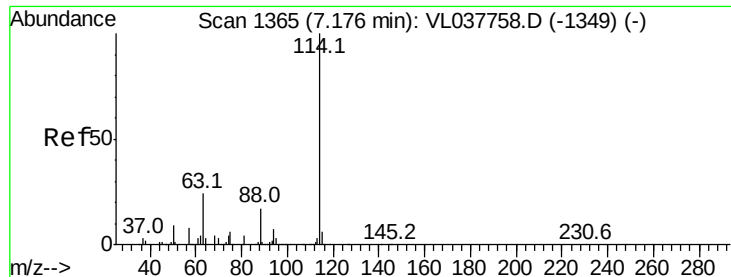


#32

1,1,1-Trichloroethane
Concen: 9.464 ppbv
RT: 6.50 min Scan# 1154
Delta R.T. -0.01 min
Lab File: VL037826.D
Acq: 8 Oct 2021 10:58

Tgt Ion: 97 Resp: 2148114
Ion Ratio Lower Upper
97 100
99 65.1 52.6 78.8
61 49.9 40.2 60.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

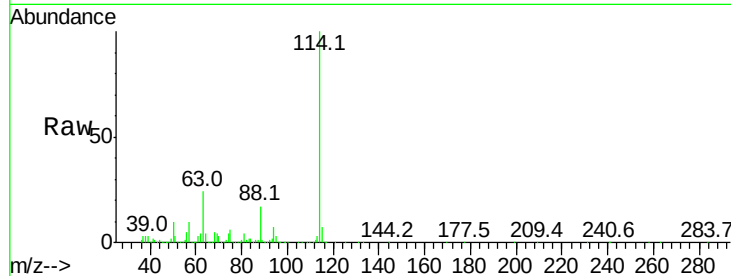
Tgt Ion:114 Resp: 4000078

Ion Ratio Lower Upper

114 100

63 24.2 19.4 29.2

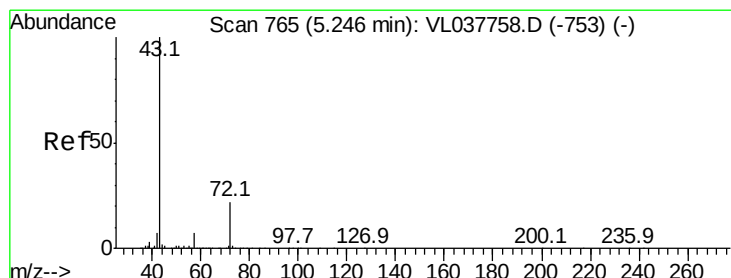
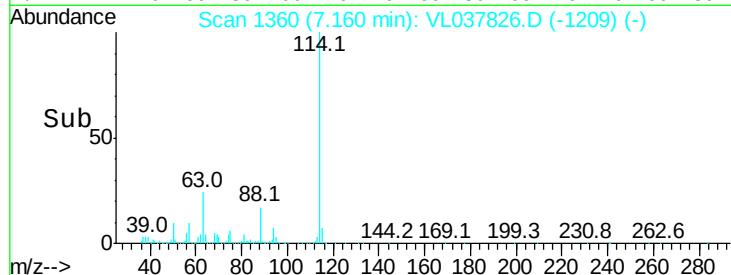
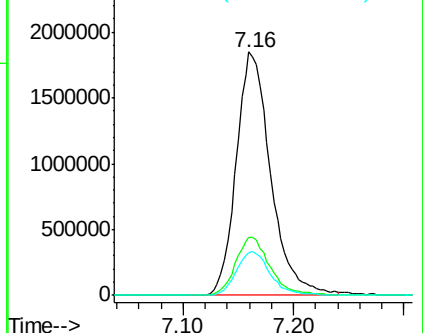
88 18.0 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#34

2-Butanone

Concen: 9.053 ppbv

RT: 5.23 min Scan# 760

Delta R.T. -0.02 min

Lab File: VL037826.D

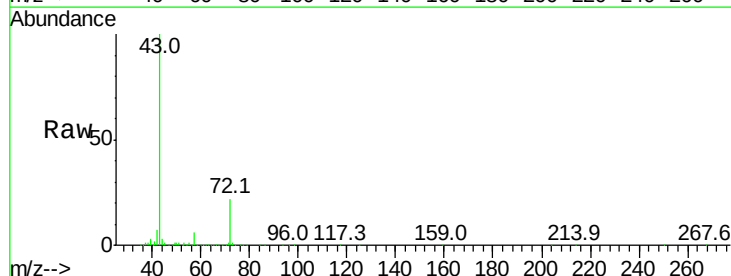
Acq: 8 Oct 2021 10:58

Tgt Ion: 43 Resp: 1461949

Ion Ratio Lower Upper

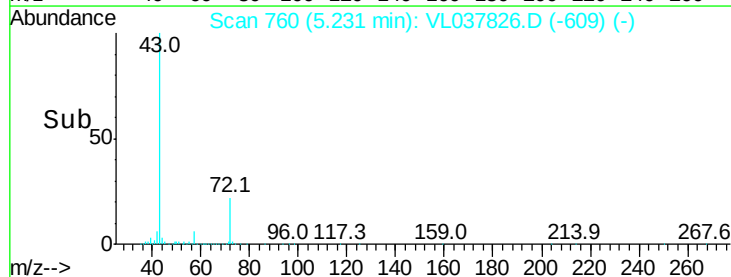
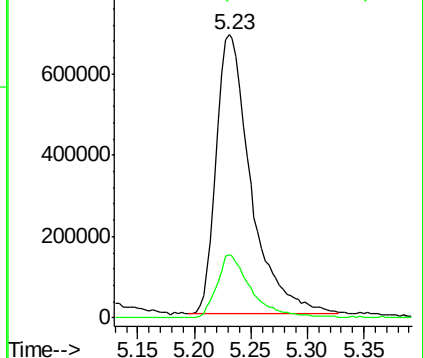
43 100

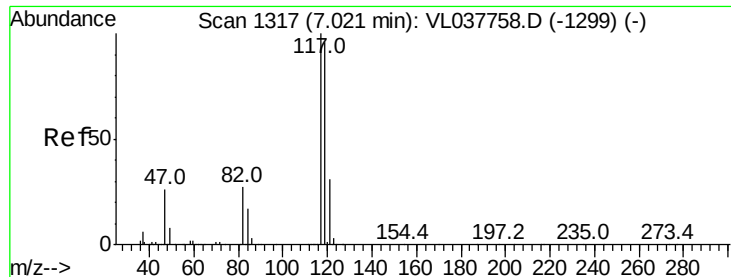
72 22.6 18.2 27.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 9.708 ppbv

RT: 7.01 min Scan# 1312

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

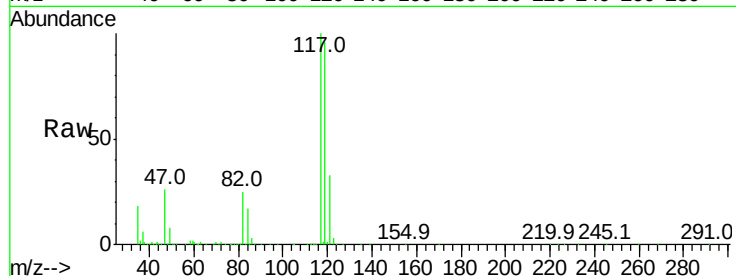
Tgt Ion:117 Resp: 2205470

Ion Ratio Lower Upper

117 100

119 96.4 76.5 114.7

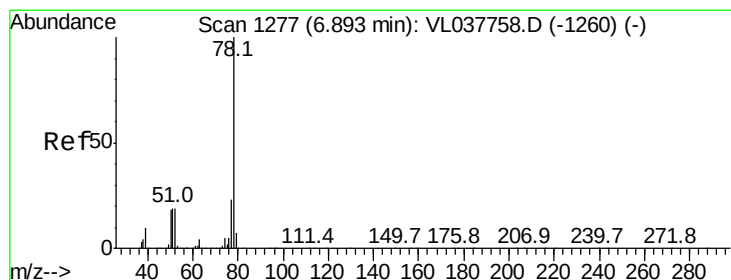
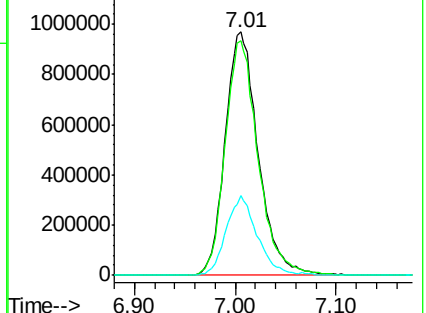
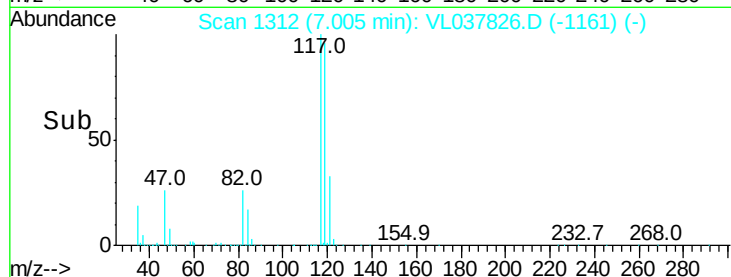
121 32.9 24.9 37.3



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: 9.593 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

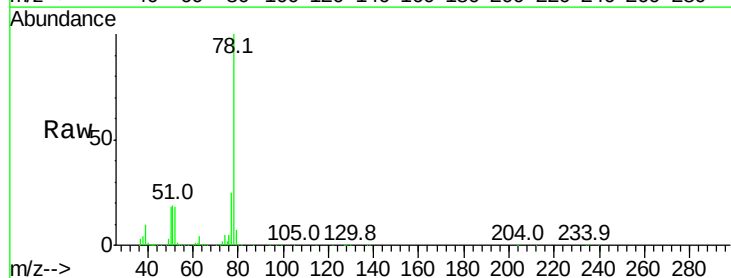
Tgt Ion: 78 Resp: 3277372

Ion Ratio Lower Upper

78 100

77 24.6 18.8 28.2

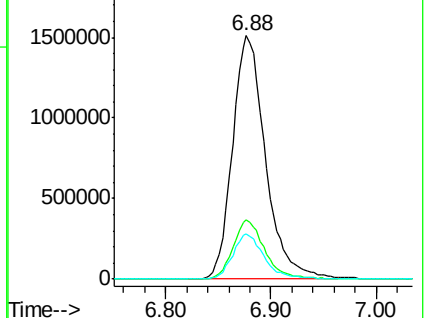
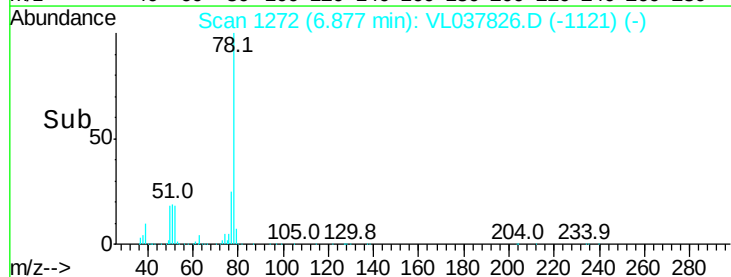
50 18.5 14.7 22.1

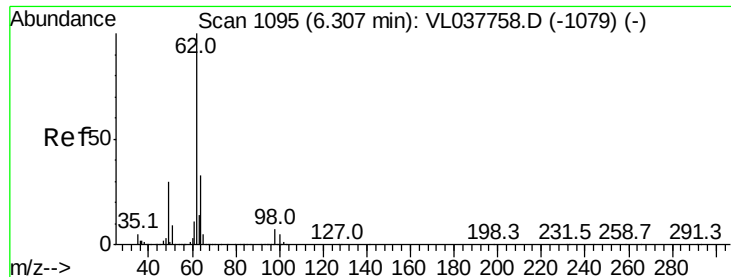


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

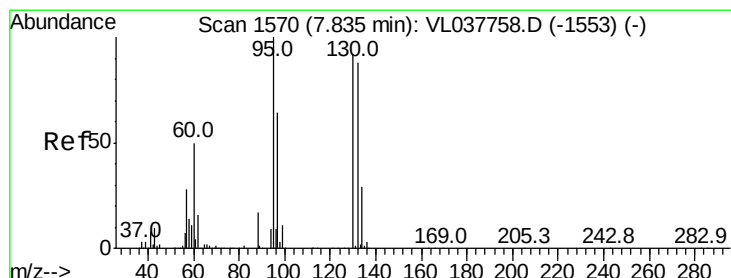
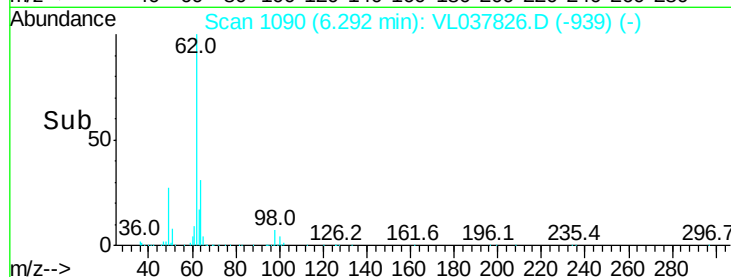
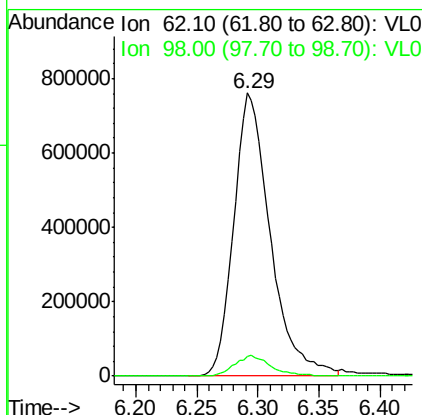
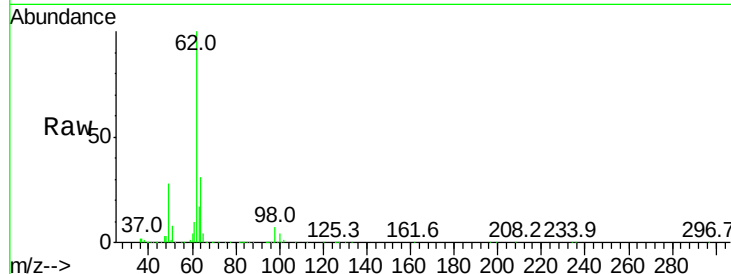




#37
 1,2-Dichloroethane
 Concen: 9.828 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

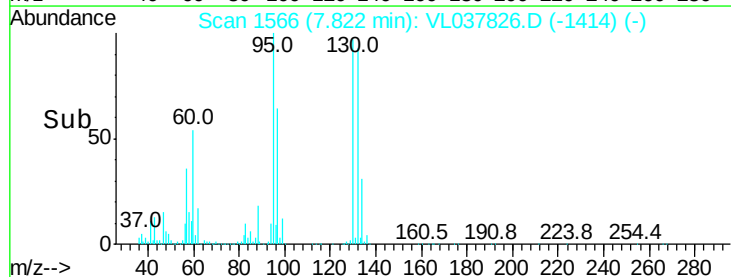
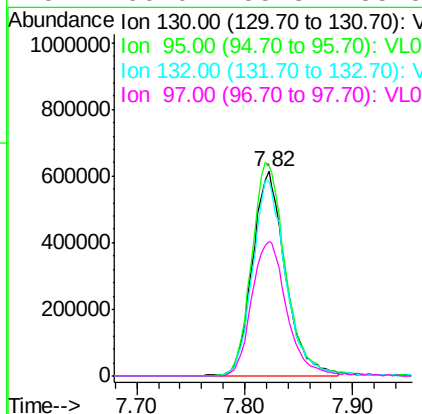
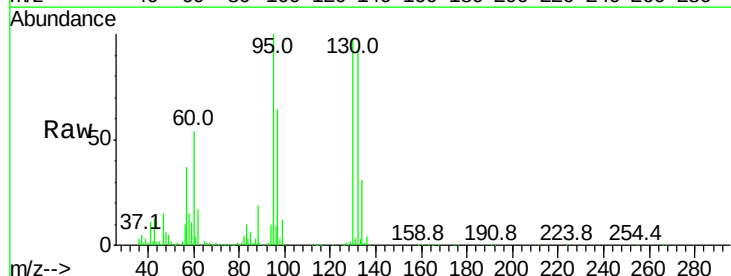
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

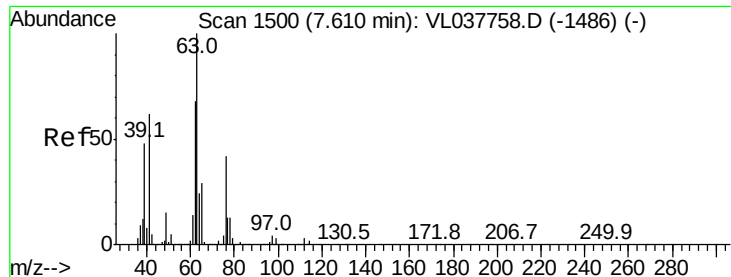
Tgt Ion: 62 Resp: 1581055
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.1 9.1



#38
 Trichloroethene
 Concen: 9.665 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.01 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

Tgt Ion: 130 Resp: 1304553
 Ion Ratio Lower Upper
 130 100
 95 102.6 87.4 131.0
 132 95.1 76.8 115.2
 97 66.0 55.8 83.8



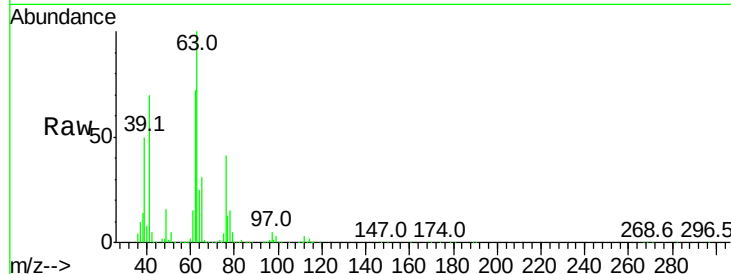


#39
 1,2-Dichloropropane
 Concen: 9.696 ppbv
 RT: 7.60 min Scan# 1497
 Delta R.T. -0.01 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

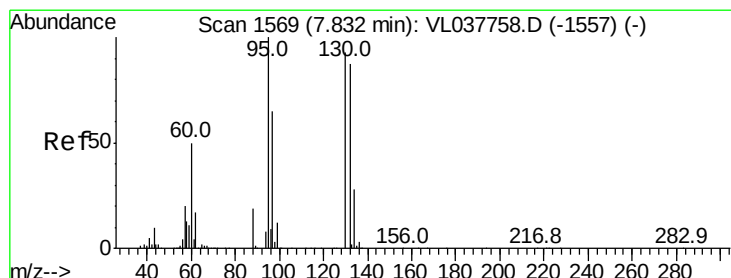
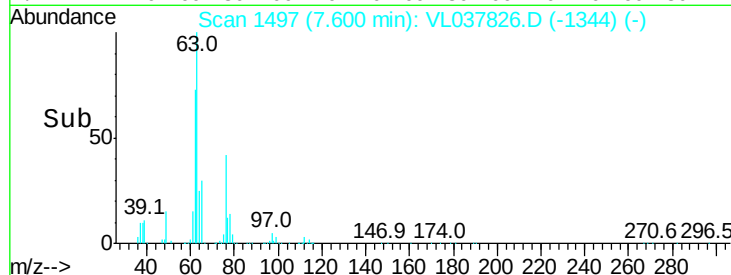
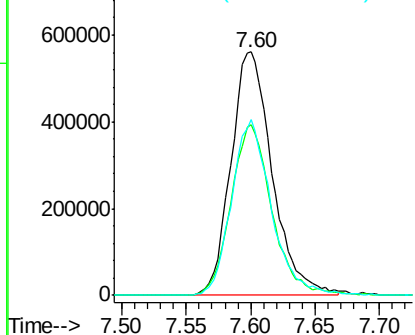
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 63 Resp: 1246121

Ion	Ratio	Lower	Upper
63	100		
41	70.3	49.8	74.6
62	72.2	54.6	82.0



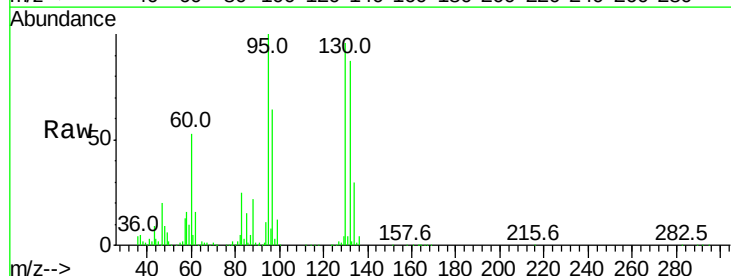
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0



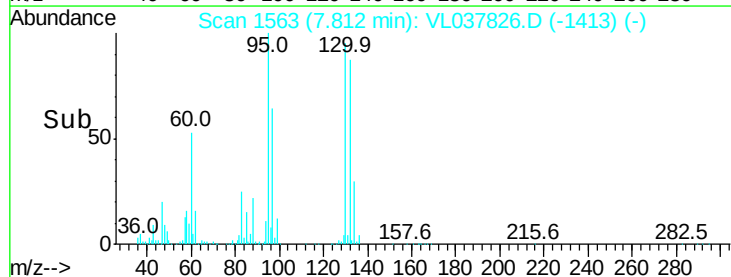
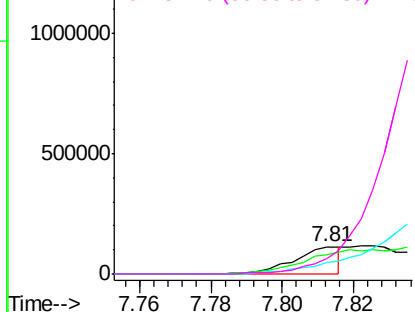
#40
 1,4-Dioxane
 Concen: 3.131 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. -0.02 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

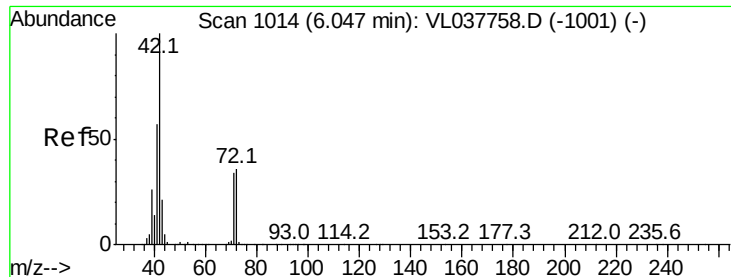
Tgt Ion: 88 Resp: 100672

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

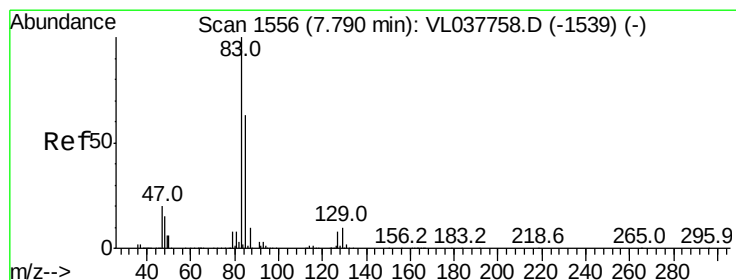
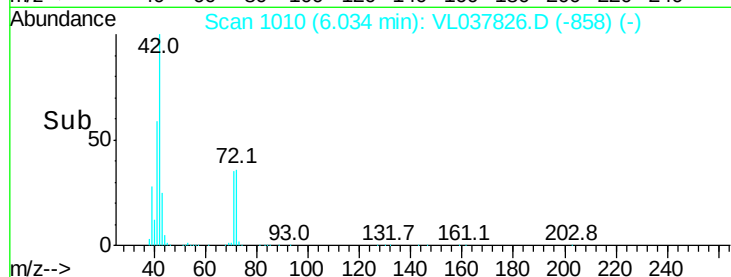
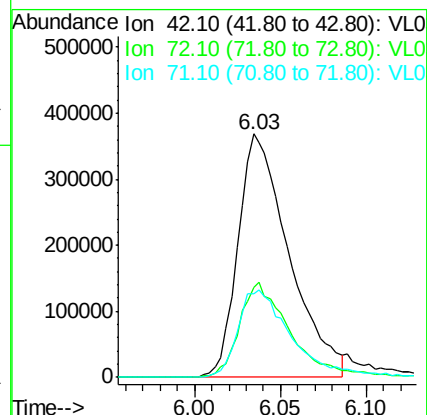
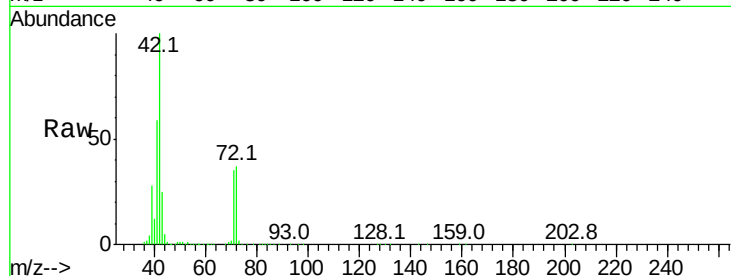




#41
Tetrahydrofuran
Concen: 9.592 ppbv
RT: 6.03 min Scan# 1010
Delta R.T. -0.01 min
Lab File: VL037826.D
Acq: 8 Oct 2021 10:58

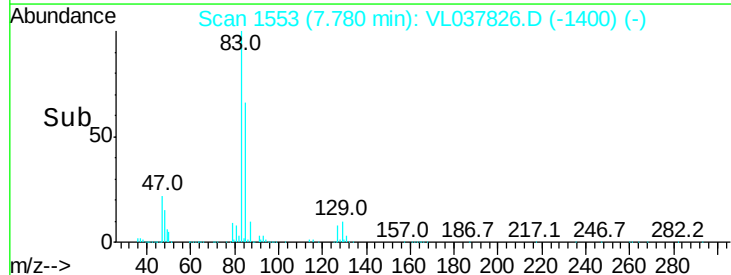
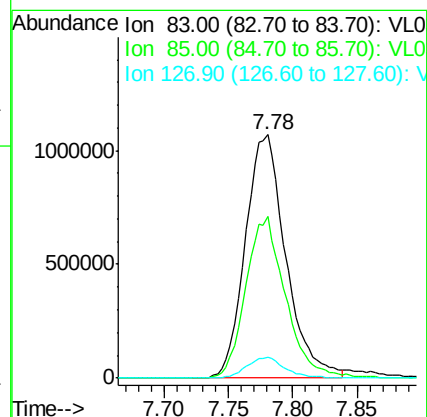
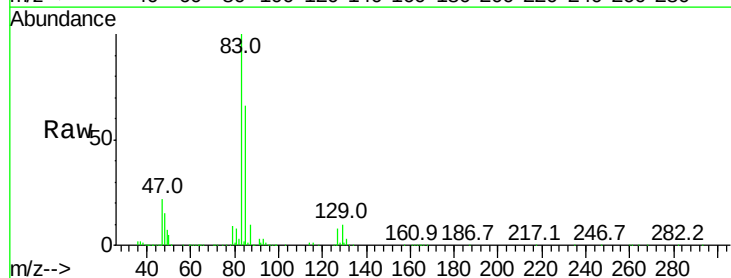
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

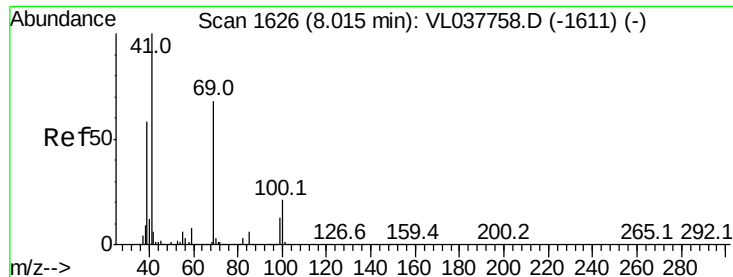
Tgt Ion: 42 Resp: 758528
Ion Ratio Lower Upper
42 100
72 39.7 31.9 47.9
71 38.9 30.3 45.5



#42
Bromodichloromethane
Concen: 9.925 ppbv
RT: 7.78 min Scan# 1553
Delta R.T. -0.01 min
Lab File: VL037826.D
Acq: 8 Oct 2021 10:58

Tgt Ion: 83 Resp: 2345362
Ion Ratio Lower Upper
83 100
85 66.2 50.6 75.8
127 8.5 6.2 9.4

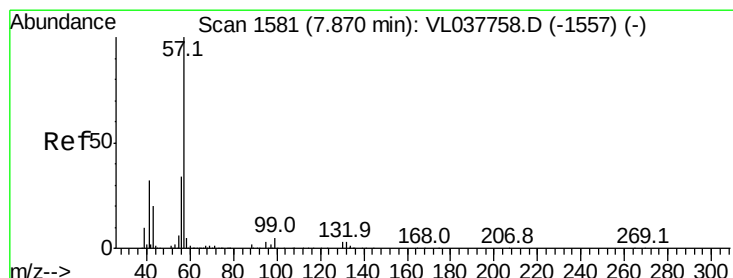
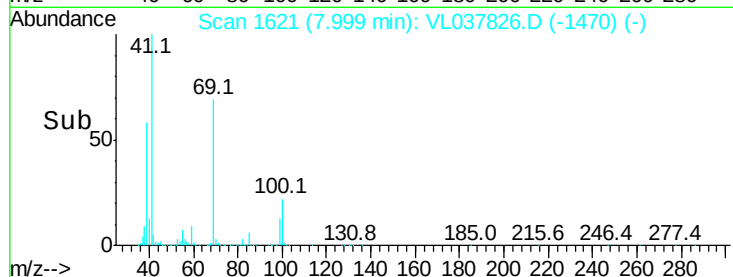
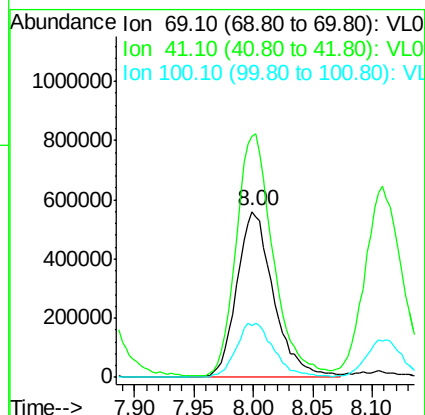
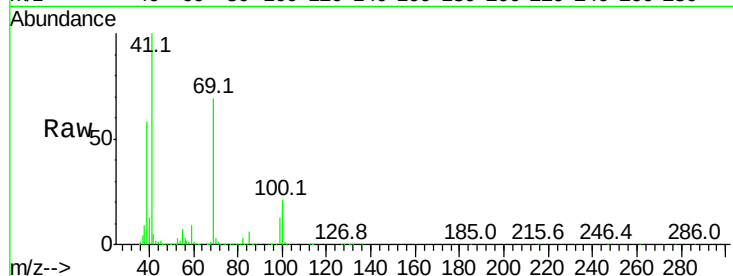




#43
Methyl Methacrylate
Concen: 10.734 ppbv
RT: 8.00 min Scan# 1621
Delta R.T. -0.02 min
Lab File: VL037826.D
Acq: 8 Oct 2021 10:58

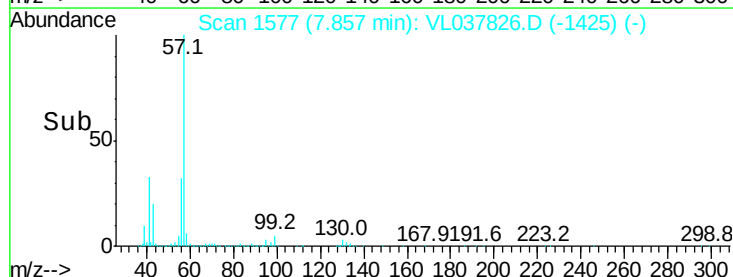
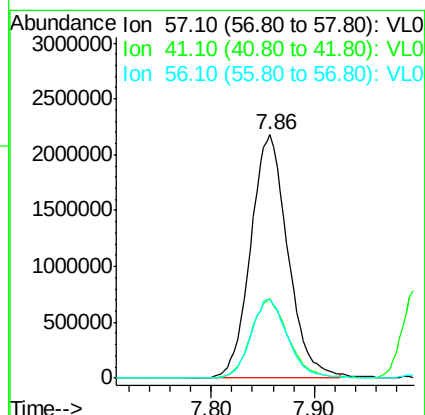
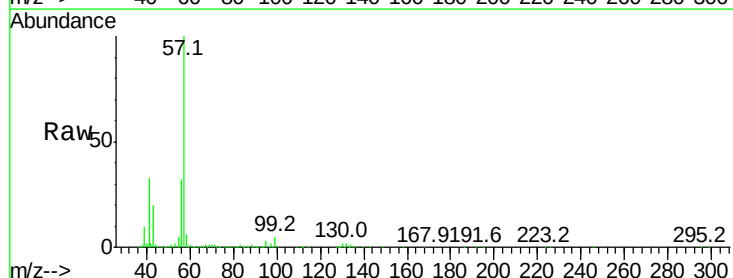
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

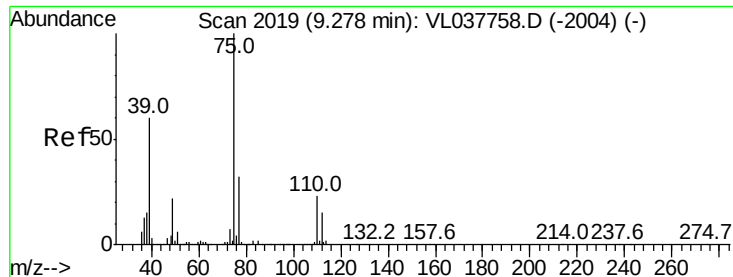
Tgt Ion: 69 Resp: 1197919
Ion Ratio Lower Upper
69 100
41 149.0 121.0 181.4
100 33.4 27.7 41.5



#44
2,2,4-Trimethylpentane
Concen: 9.498 ppbv
RT: 7.86 min Scan# 1577
Delta R.T. -0.01 min
Lab File: VL037826.D
Acq: 8 Oct 2021 10:58

Tgt Ion: 57 Resp: 5451912
Ion Ratio Lower Upper
57 100
41 32.7 25.6 38.4
56 32.0 25.5 38.3





#45

t-1,3-Dichloropropene

Concen: 10.070 ppbv

RT: 9.26 min Scan# 2014

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

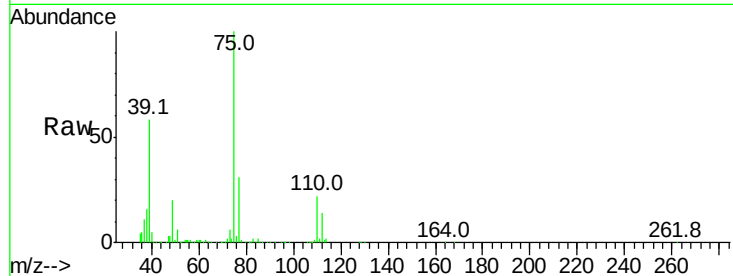
VSTDCCC010EC

Tgt Ion: 75 Resp: 773184

Ion Ratio Lower Upper

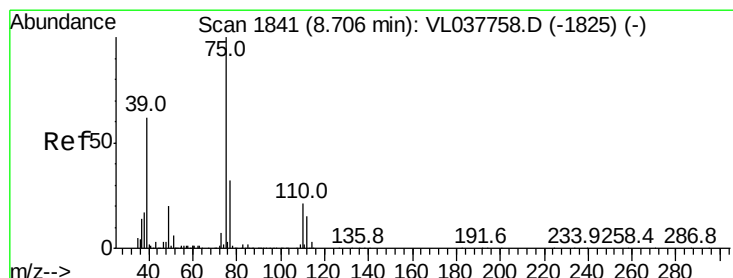
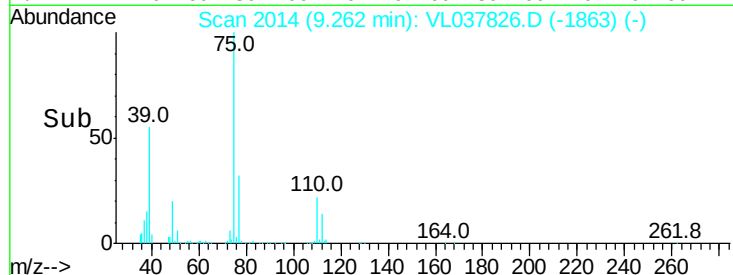
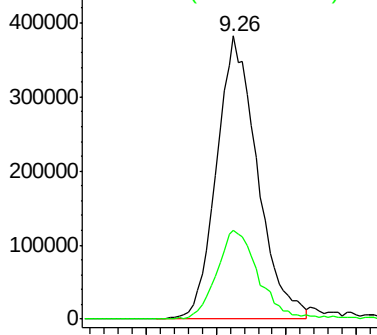
75 100

77 31.4 25.2 37.8



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: 9.978 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

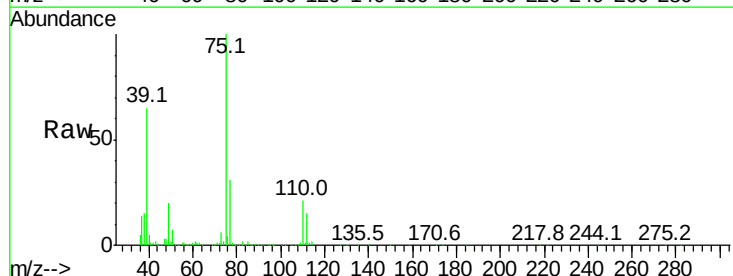
Tgt Ion: 75 Resp: 1061957

Ion Ratio Lower Upper

75 100

39 64.9 49.9 74.9

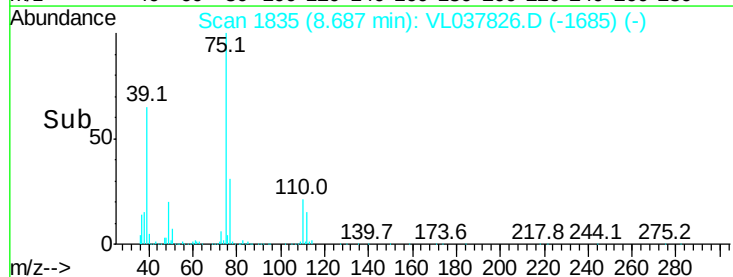
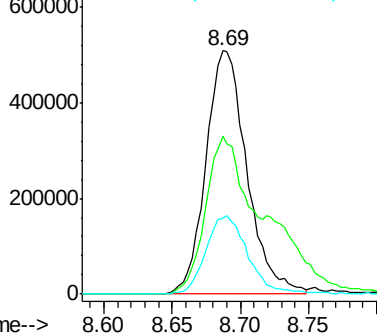
77 31.0 25.9 38.9

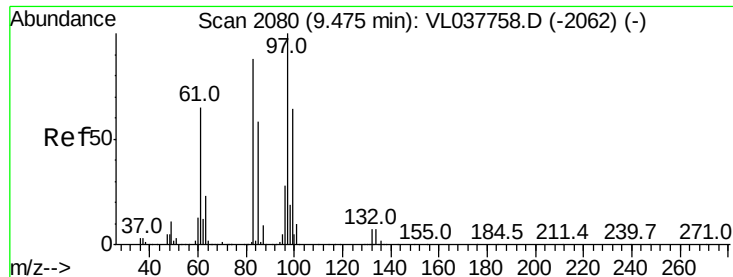


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

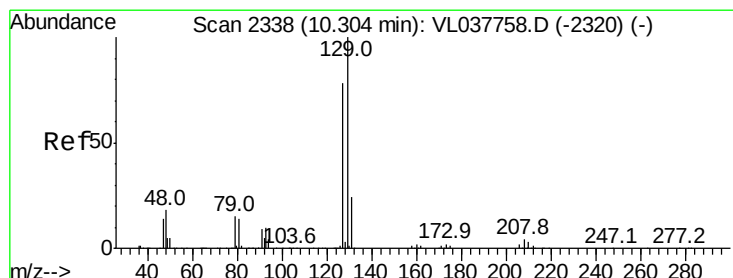
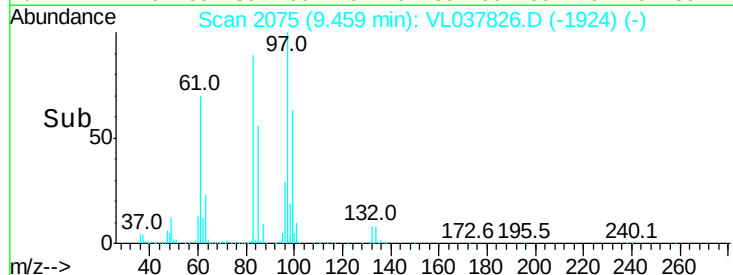
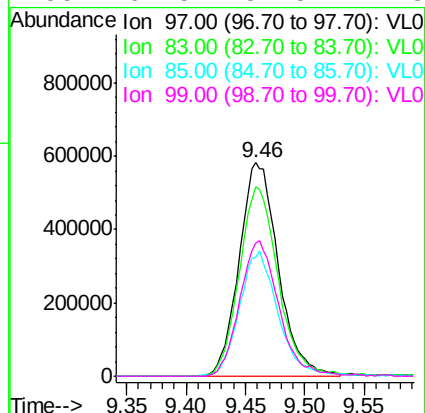
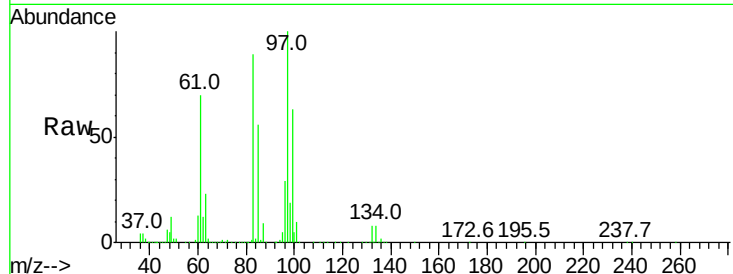




#47
 1,1,2-Trichloroethane
 Concen: 9.489 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. -0.02 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

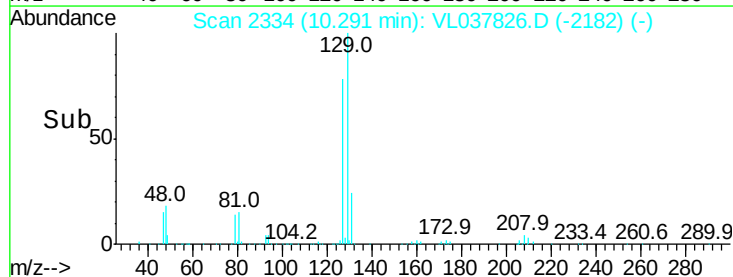
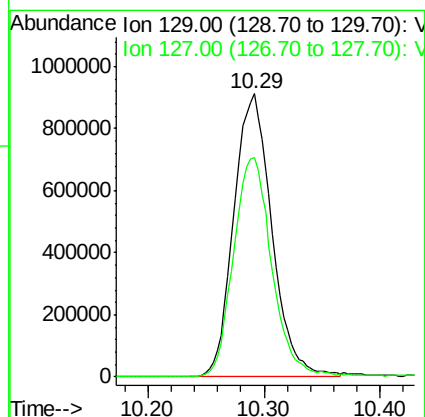
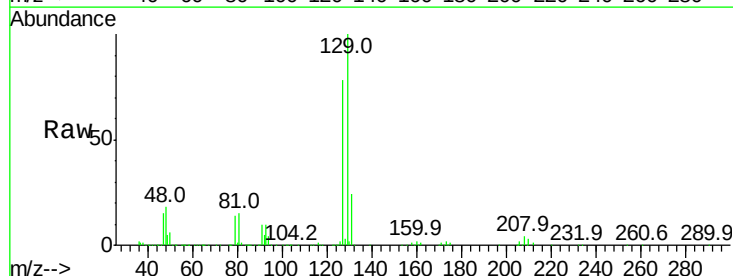
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

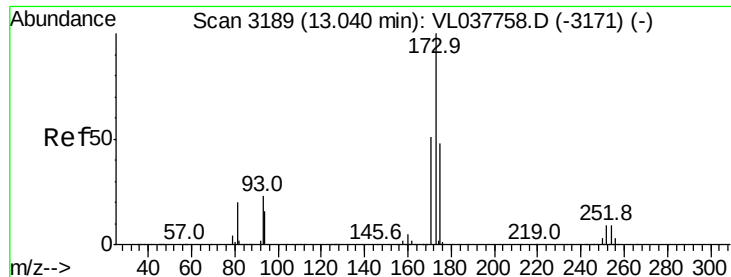
Tgt Ion: 97 Resp: 1325718
 Ion Ratio Lower Upper
 97 100
 83 88.9 70.6 105.8
 85 55.9 45.9 68.9
 99 62.5 51.5 77.3



#48
 Dibromochloromethane
 Concen: 10.424 ppbv
 RT: 10.29 min Scan# 2334
 Delta R.T. -0.01 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

Tgt Ion: 129 Resp: 2076079
 Ion Ratio Lower Upper
 129 100
 127 78.2 39.5 118.5





#49

Bromoform

Concen: 11.477 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

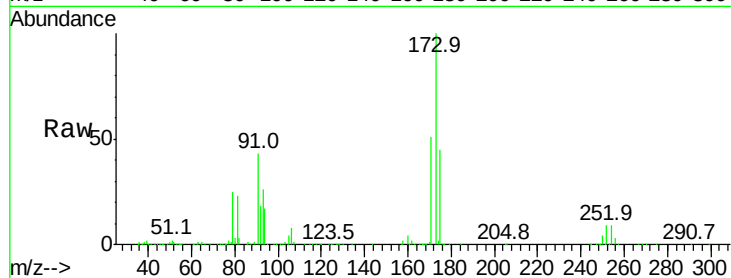
Tgt Ion:173 Resp: 1748951

Ion Ratio Lower Upper

173 100

175 50.0 39.9 59.9

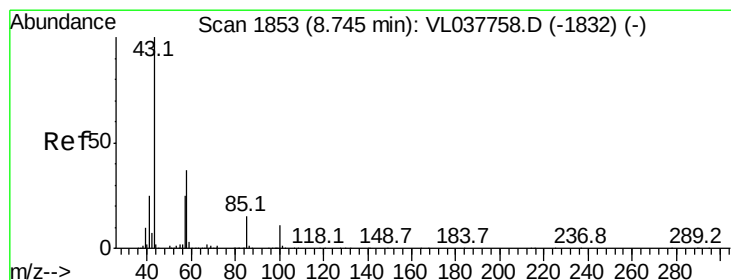
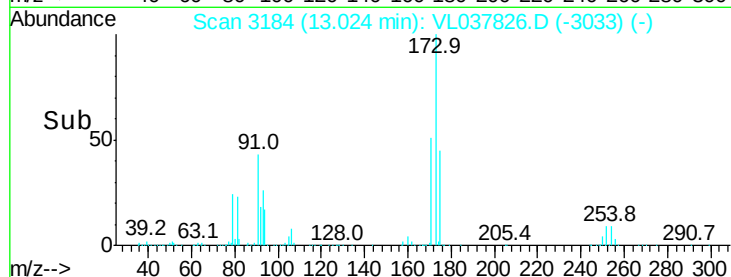
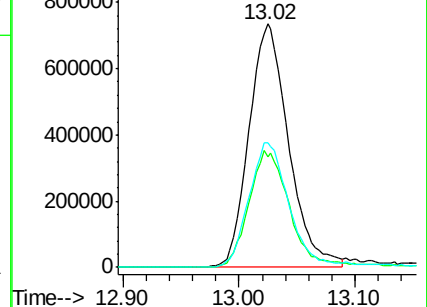
171 53.6 43.4 65.2



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 10.241 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.02 min

Lab File: VL037826.D

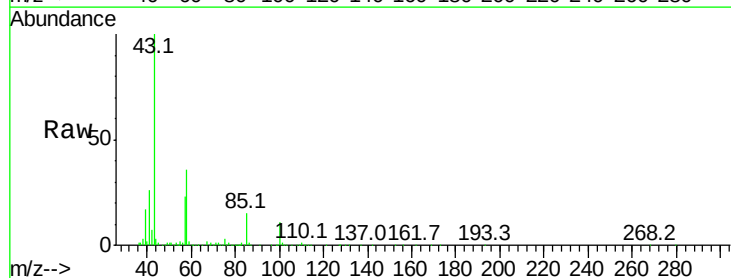
Acq: 8 Oct 2021 10:58

Tgt Ion: 43 Resp: 2152788

Ion Ratio Lower Upper

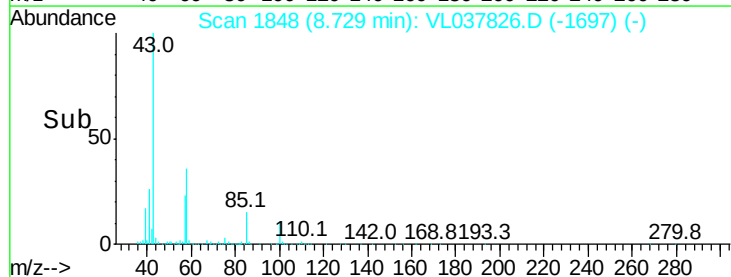
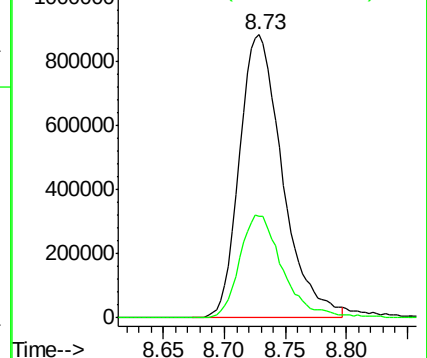
43 100

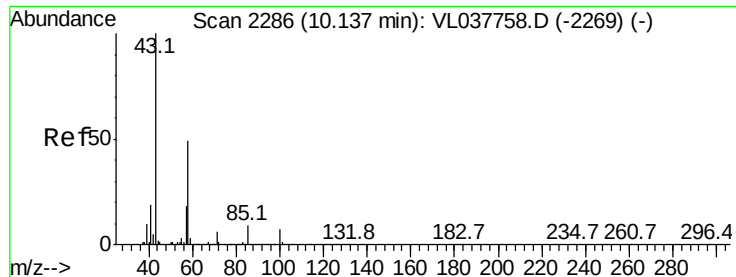
58 36.8 29.4 44.0



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 10.741 ppbv

RT: 10.12 min Scan# 2281

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

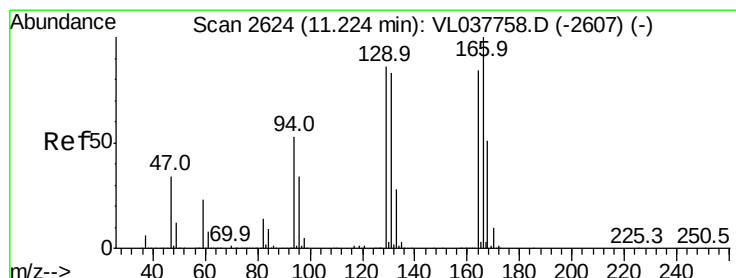
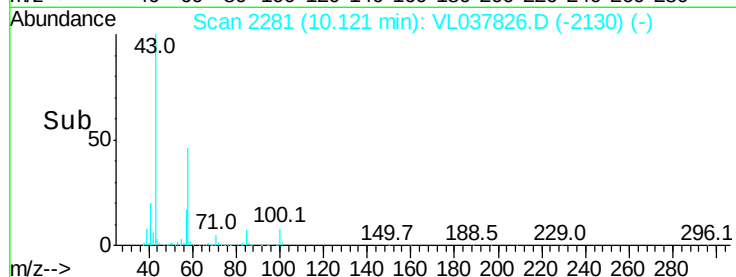
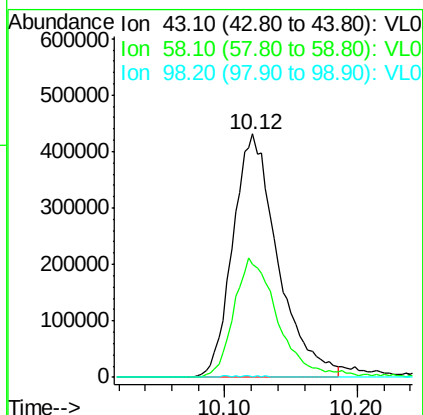
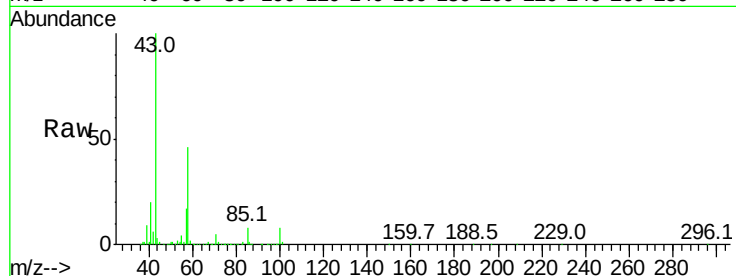
Tgt Ion: 43 Resp: 1007974

Ion Ratio Lower Upper

43 100

58 49.4 39.4 59.0

98 0.6 0.3 0.5#



#52

Tetrachloroethene

Concen: 9.224 ppbv

RT: 11.20 min Scan# 2618

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Tgt Ion: 164 Resp: 1226126

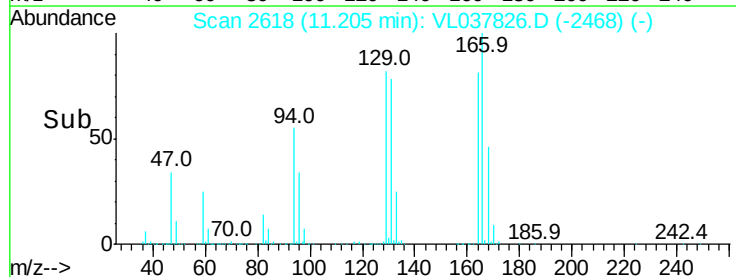
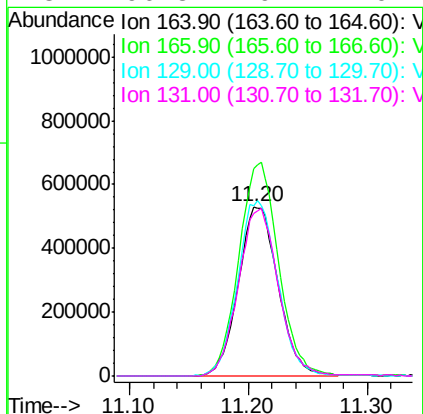
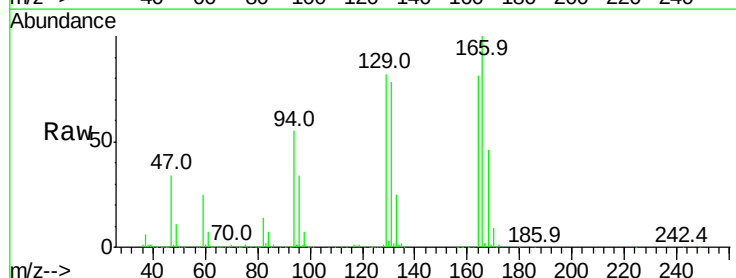
Ion Ratio Lower Upper

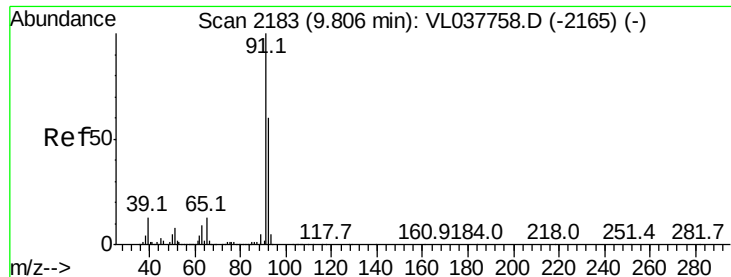
164 100

166 122.9 95.4 143.2

129 100.4 82.2 123.4

131 96.3 79.4 119.2





#53

Toluene

Concen: 10.055 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

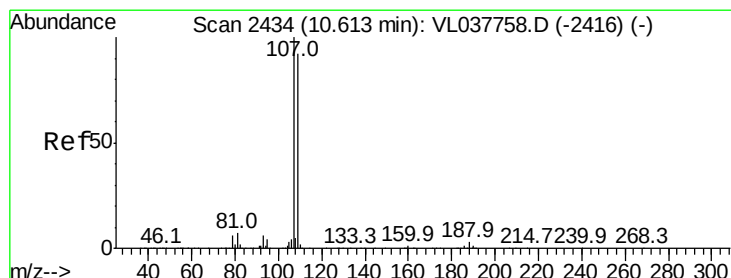
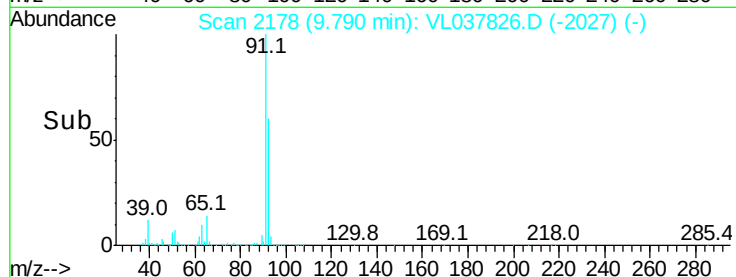
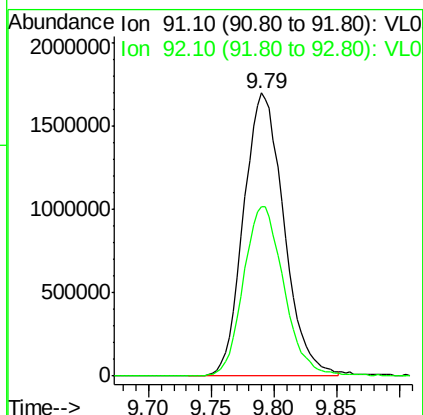
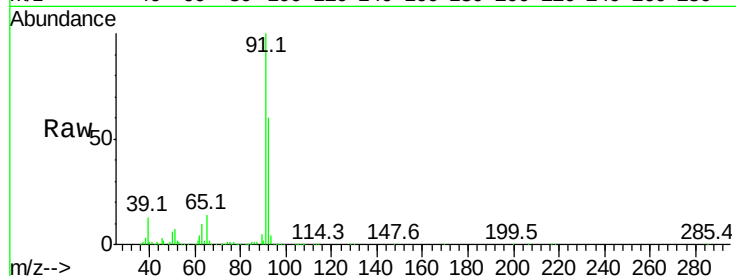
VSTDCCC010EC

Tgt Ion: 91 Resp: 3807076

Ion Ratio Lower Upper

91 100

92 60.3 48.4 72.6



#54

1,2-Dibromoethane

Concen: 9.884 ppbv

RT: 10.60 min Scan# 2429

Delta R.T. -0.02 min

Lab File: VL037826.D

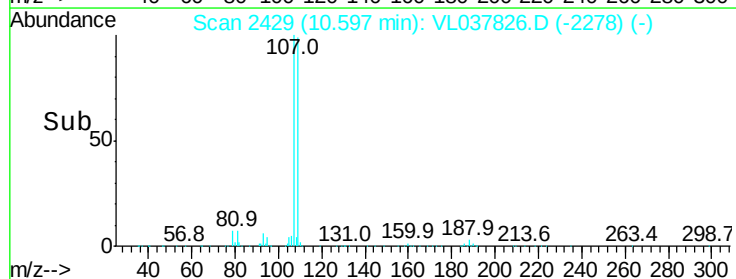
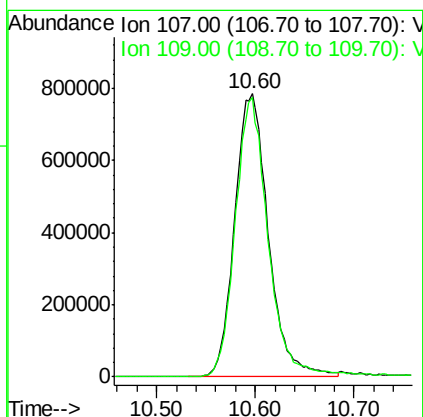
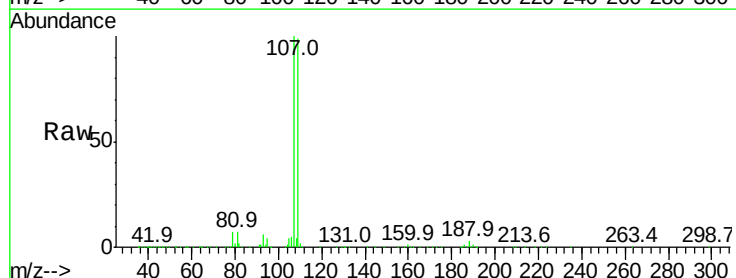
Acq: 8 Oct 2021 10:58

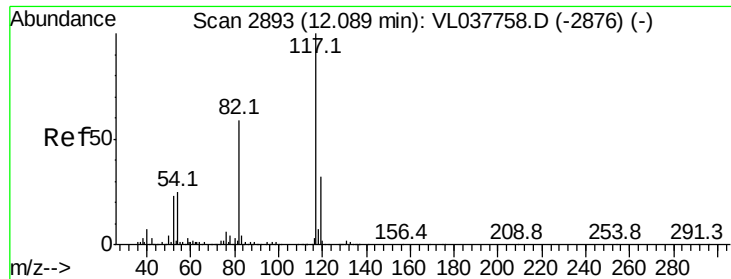
Tgt Ion: 107 Resp: 1865158

Ion Ratio Lower Upper

107 100

109 98.6 73.8 110.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

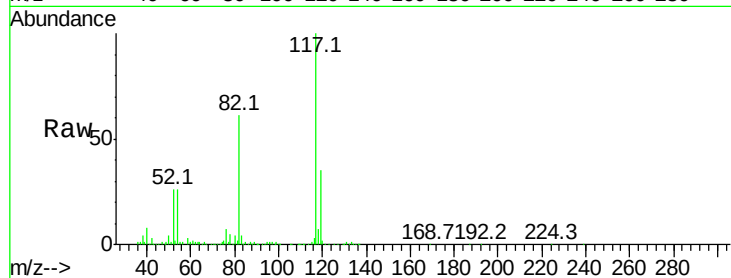
Tgt Ion:117 Resp: 4435848

Ion Ratio Lower Upper

117 100

82 52.3 52.2 78.2

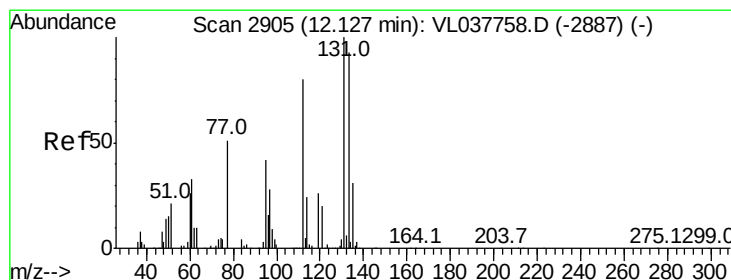
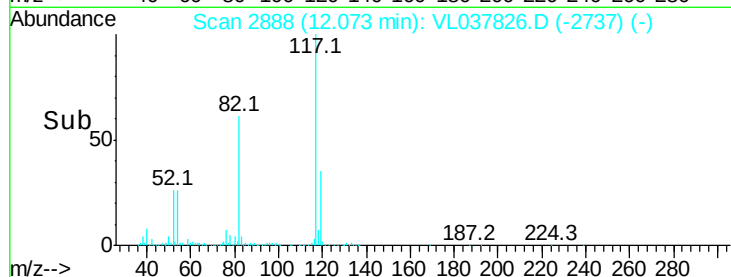
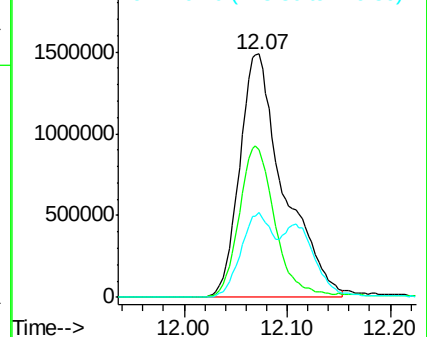
119 26.0 26.0 39.0#



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: 7.889 ppbv

RT: 12.11 min Scan# 2900

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

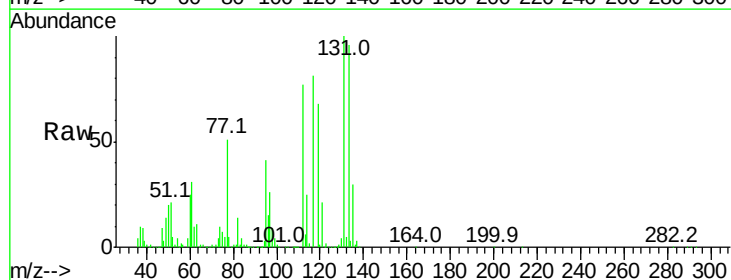
Tgt Ion:131 Resp: 1448673

Ion Ratio Lower Upper

131 100

133 98.0 78.5 117.7

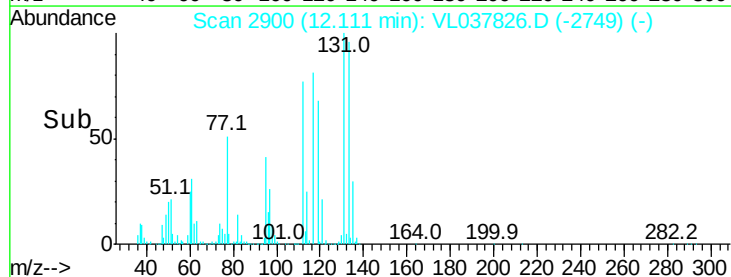
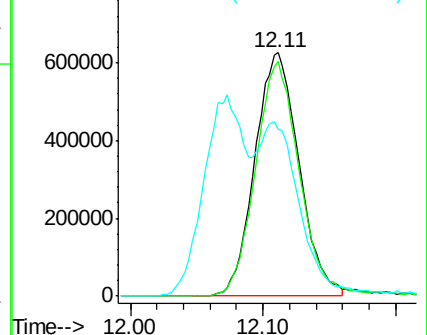
119 61.7 51.7 77.5

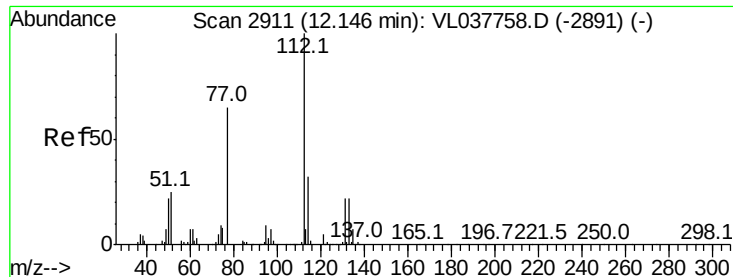


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 7.702 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

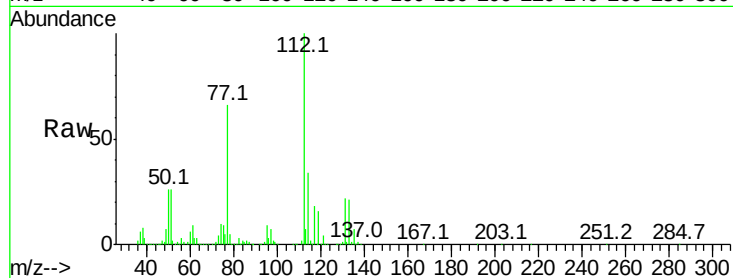
Tgt Ion:112 Resp: 2802528

Ion Ratio Lower Upper

112 100

77 64.9 51.8 77.8

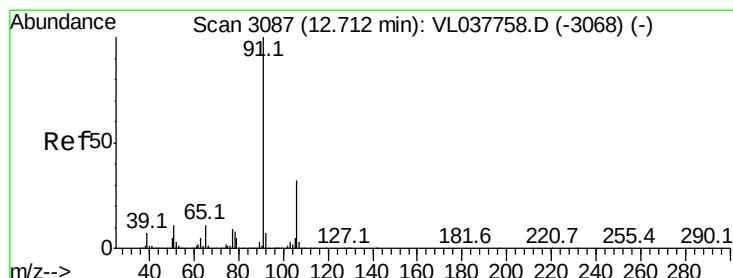
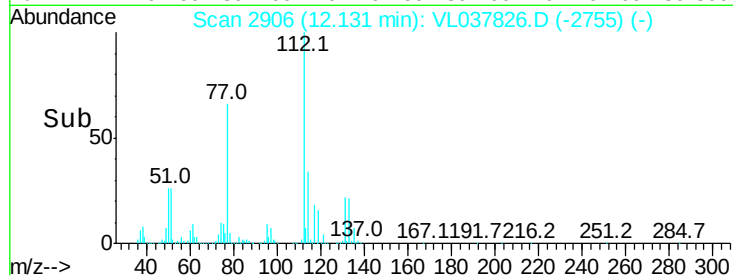
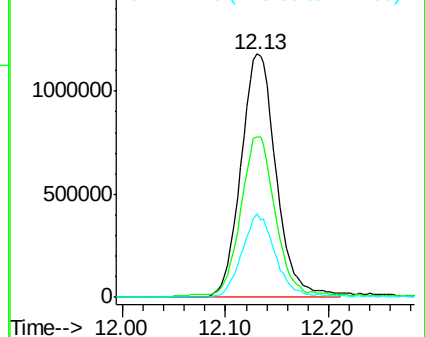
114 34.4 28.8 35.2



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: 8.291 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. -0.02 min

Lab File: VL037826.D

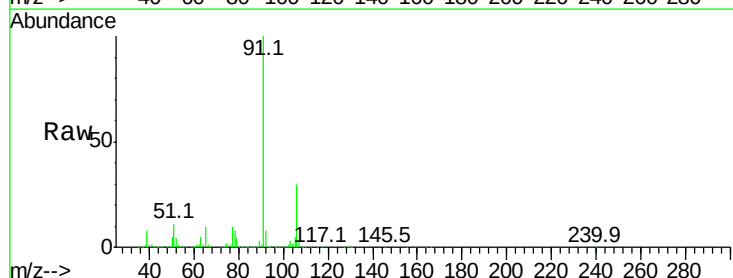
Acq: 8 Oct 2021 10:58

Tgt Ion: 91 Resp: 4938615

Ion Ratio Lower Upper

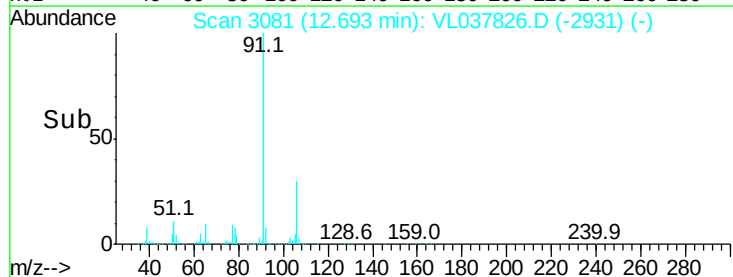
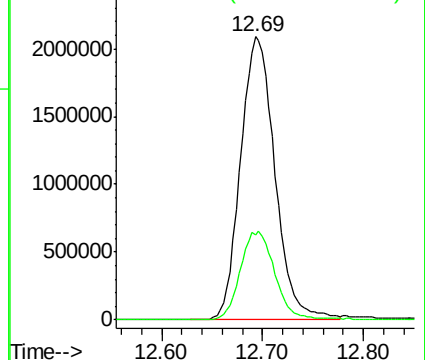
91 100

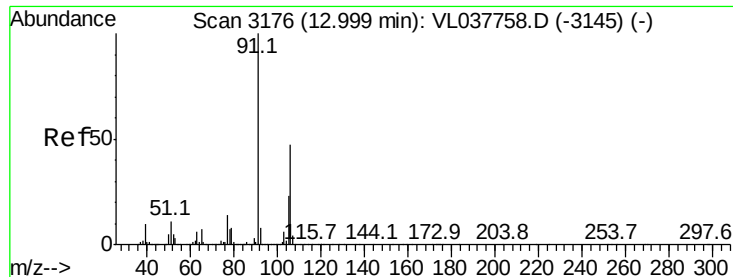
106 29.8 25.3 37.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

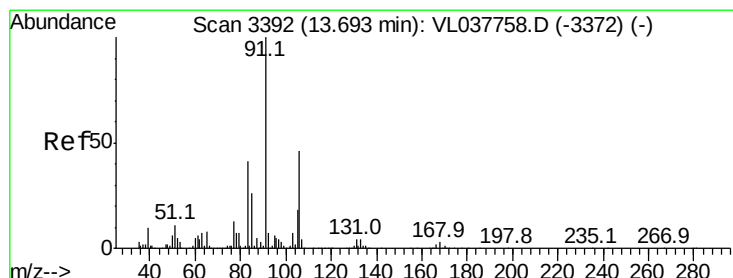
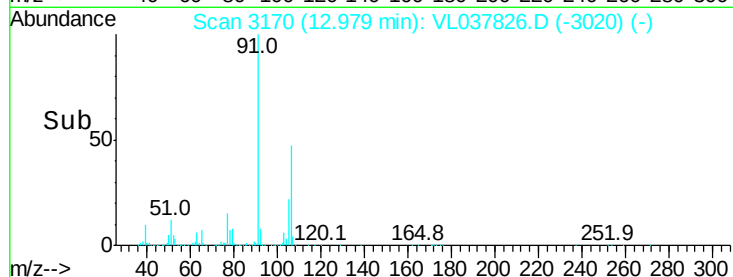
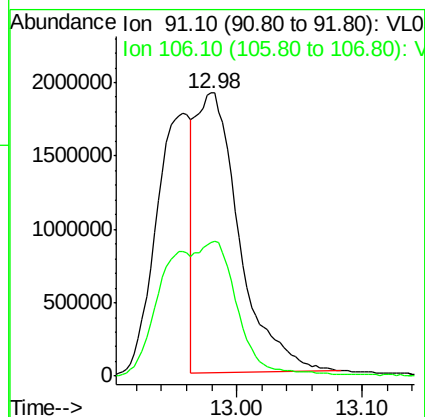
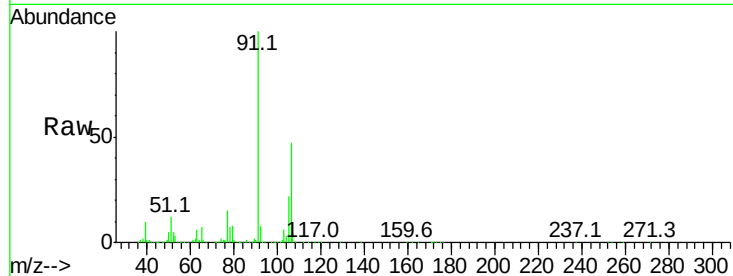




#59
m/p-Xylene
Concen: 9.045 ppbv
RT: 12.98 min Scan# 3170
Delta R.T. -0.02 min
Lab File: VL037826.D
Acq: 8 Oct 2021 10:58

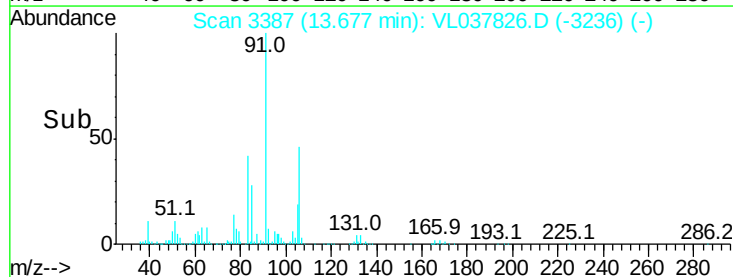
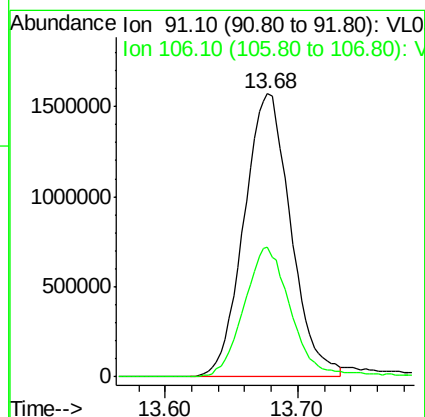
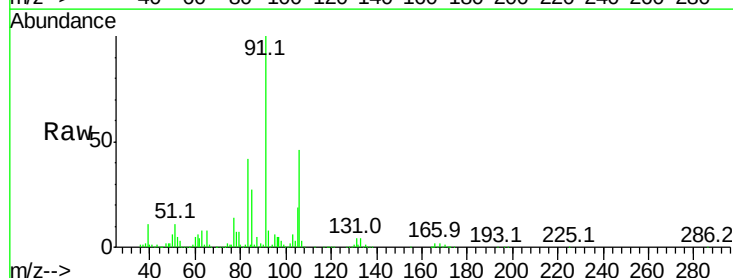
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

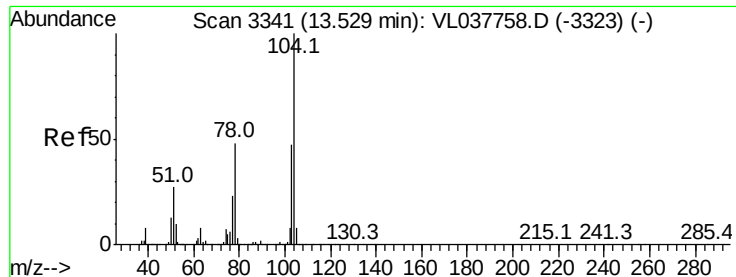
Tgt Ion: 91 Resp: 4624448
Ion Ratio Lower Upper
91 100
106 81.9 36.7 55.1#



#60
o-Xylene
Concen: 7.826 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.02 min
Lab File: VL037826.D
Acq: 8 Oct 2021 10:58

Tgt Ion: 91 Resp: 3834784
Ion Ratio Lower Upper
91 100
106 47.1 23.5 70.5





#61

Styrene

Concen: 9.013 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

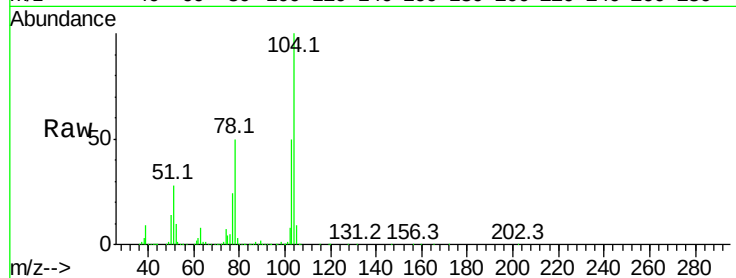
Tgt Ion:104 Resp: 2136110

Ion Ratio Lower Upper

104 100

78 51.6 40.6 61.0

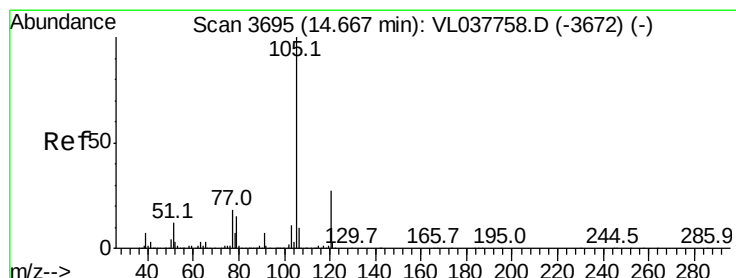
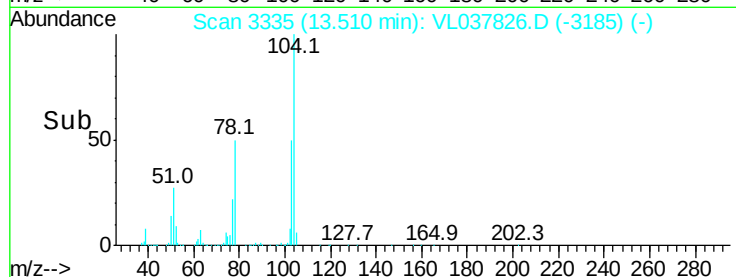
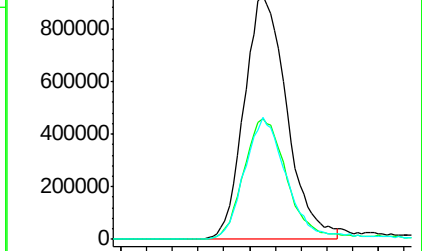
103 50.4 39.6 59.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 7.936 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. -0.02 min

Lab File: VL037826.D

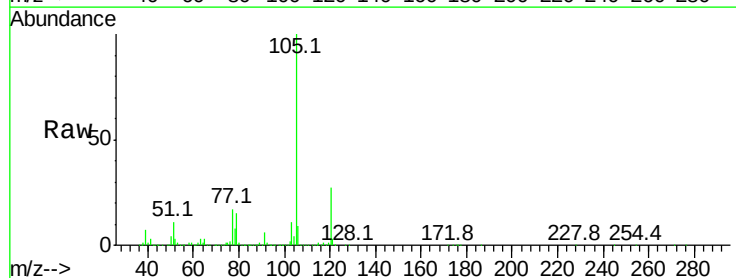
Acq: 8 Oct 2021 10:58

Tgt Ion:105 Resp: 5424249

Ion Ratio Lower Upper

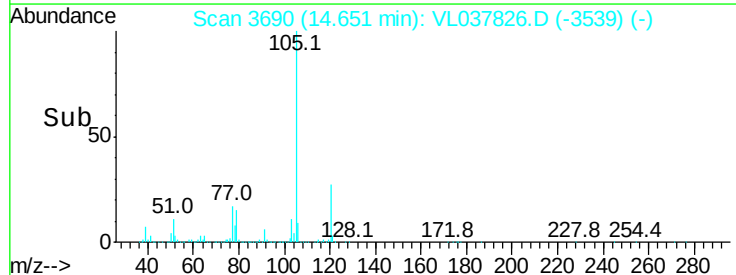
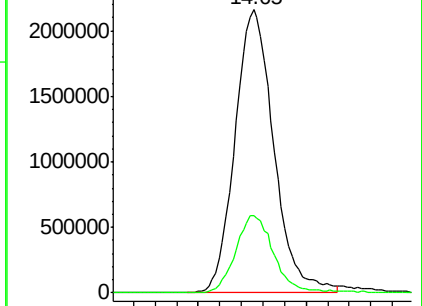
105 100

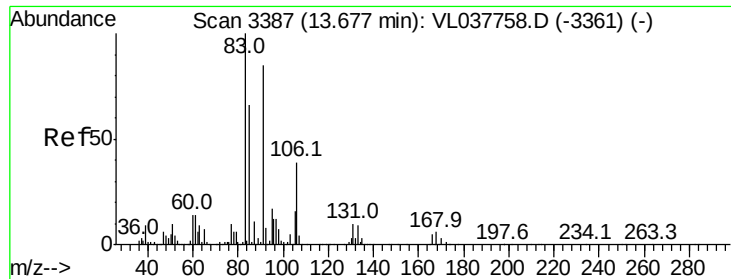
120 27.2 21.3 31.9



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

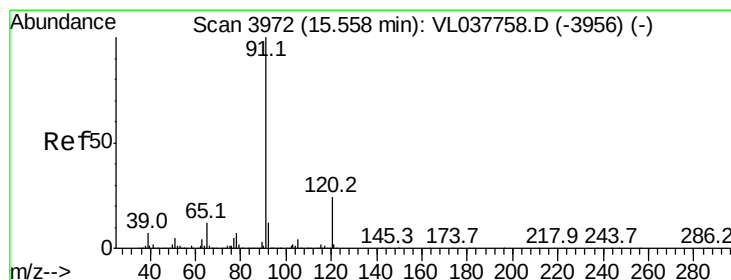
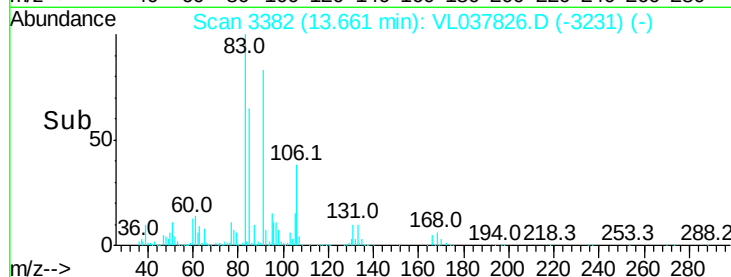
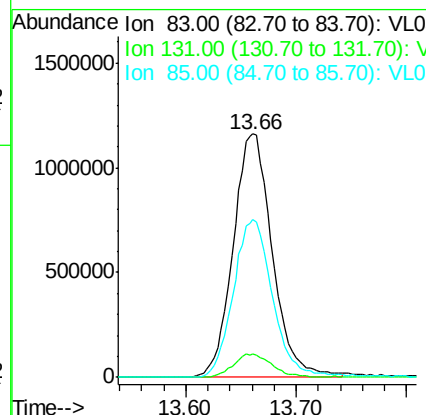
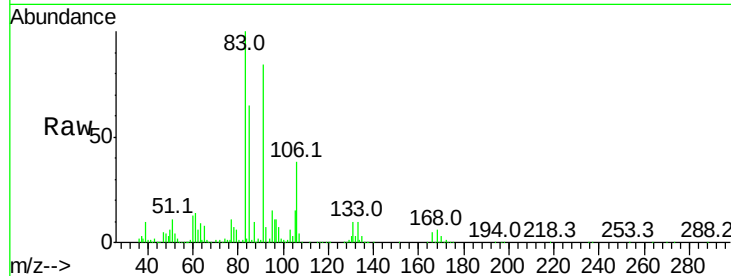




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.495 ppbv
 RT: 13.66 min Scan# 3382
 Delta R.T. -0.02 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

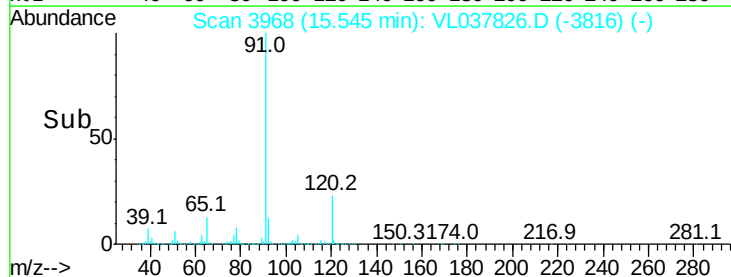
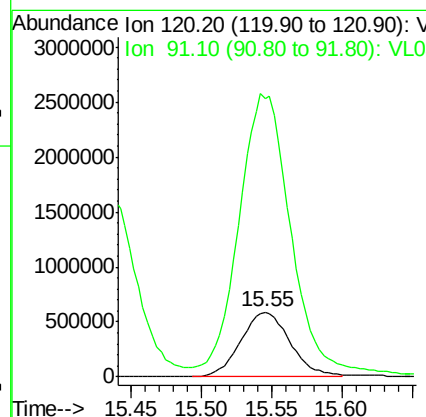
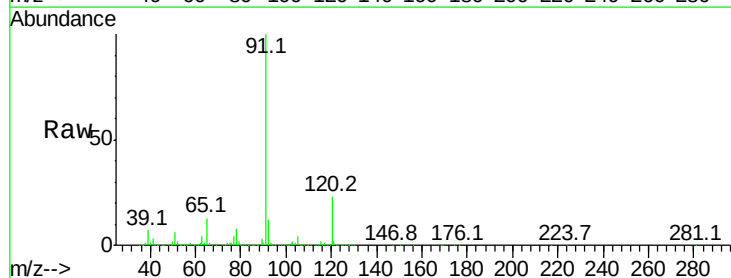
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

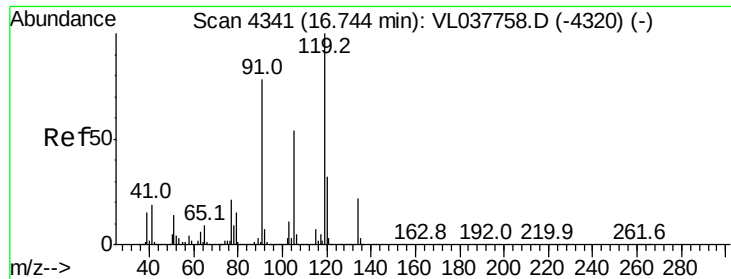
Tgt Ion: 83 Resp: 2834123
 Ion Ratio Lower Upper
 83 100
 131 9.9 5.0 15.0
 85 66.5 33.1 99.5



#64
 n-propylbenzene
 Concen: 8.528 ppbv
 RT: 15.55 min Scan# 3968
 Delta R.T. -0.01 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

Tgt Ion: 120 Resp: 1453458
 Ion Ratio Lower Upper
 120 100
 91 466.3 375.0 562.6

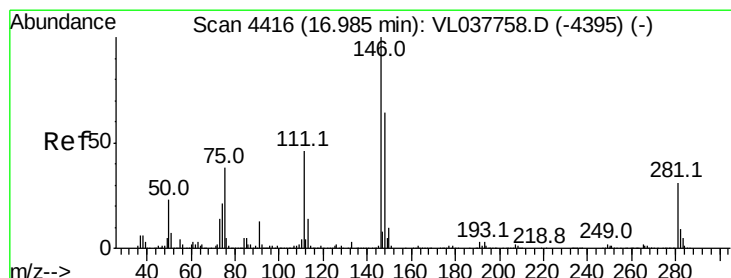
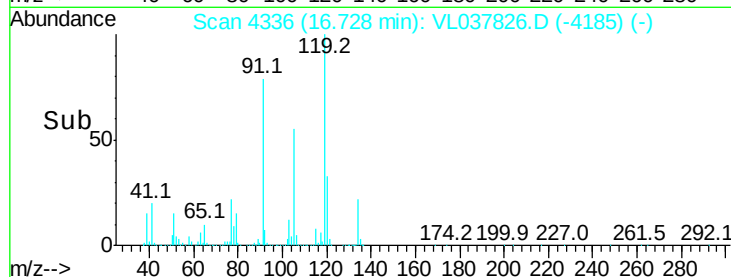
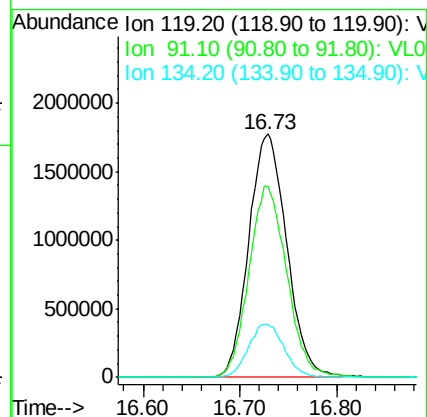
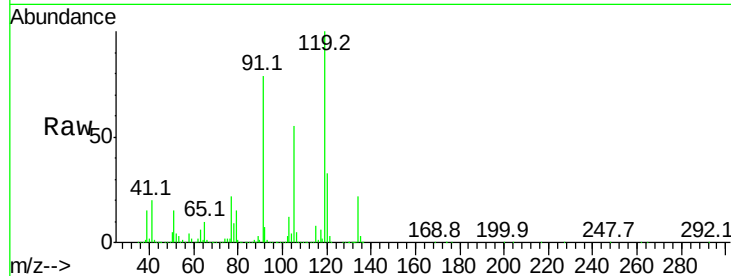




#65
 tert-Butylbenzene
 Concen: 8.039 ppbv
 RT: 16.73 min Scan# 4336
 Delta R.T. -0.02 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

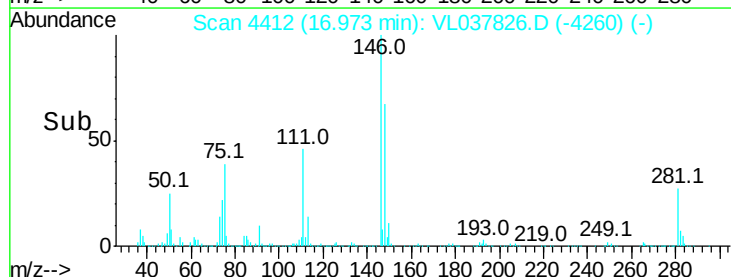
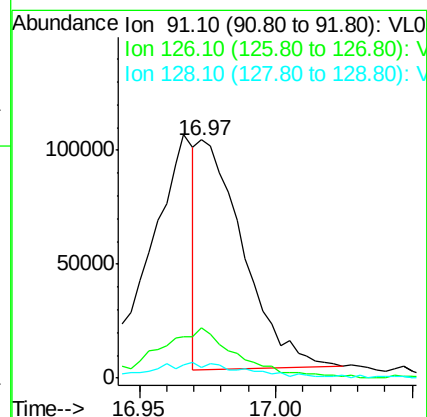
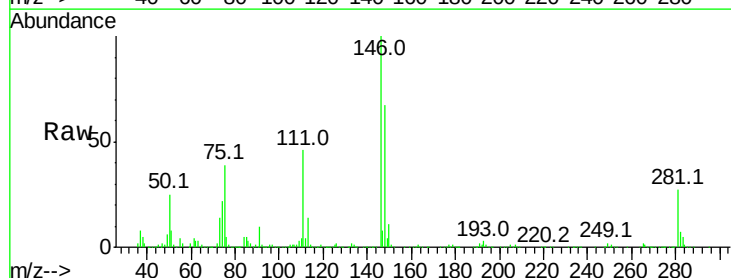
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

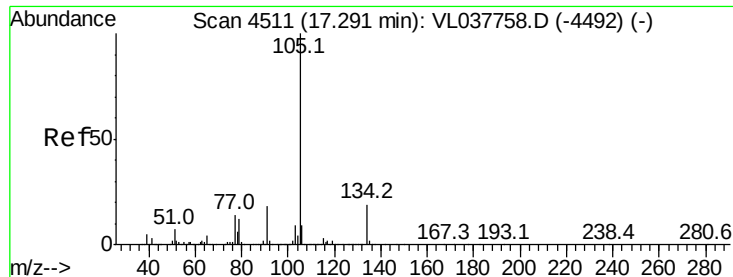
Tgt Ion: 119 Resp: 4834850
 Ion Ratio Lower Upper
 119 100
 91 78.5 62.6 94.0
 134 20.8 16.3 24.5



#66
 Benzyl Chloride
 Concen: 3.884 ppbv
 RT: 16.97 min Scan# 4412
 Delta R.T. -0.01 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

Tgt Ion: 91 Resp: 115272
 Ion Ratio Lower Upper
 91 100
 126 40.6 0.0 0.0#
 128 15.1 5.3 7.9#





#67

sec-Butylbenzene

Concen: 8.258 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

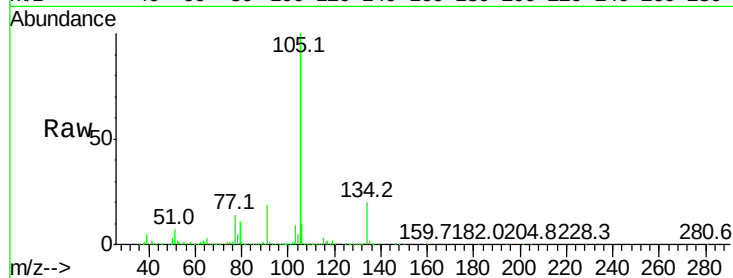
VSTDCCC010EC

Tgt Ion: 105 Resp: 6792588

Ion Ratio Lower Upper

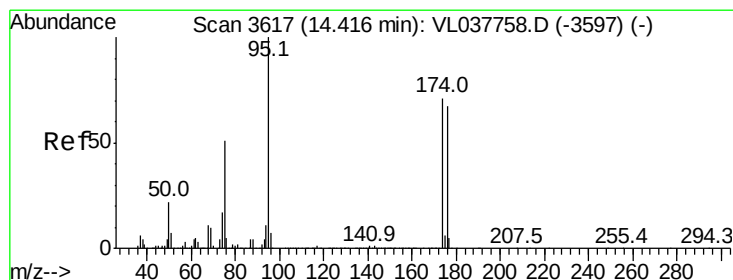
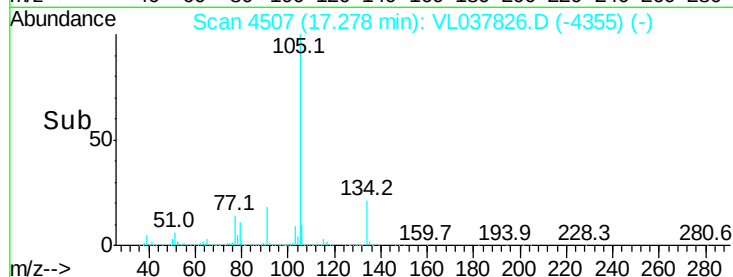
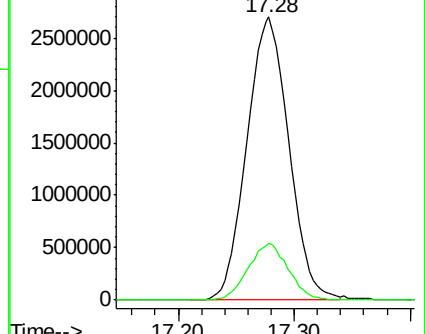
105 100

134 19.4 15.4 23.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 8.533 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

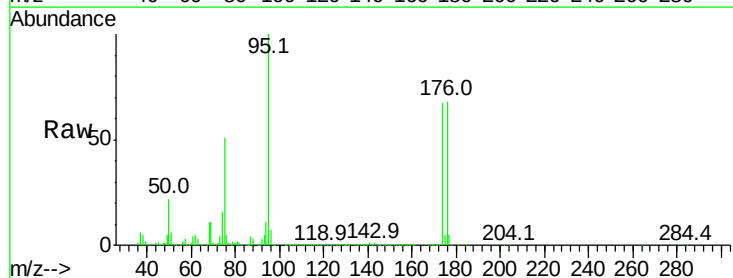
Tgt Ion: 95 Resp: 2647058

Ion Ratio Lower Upper

95 100

174 72.5 57.8 86.6

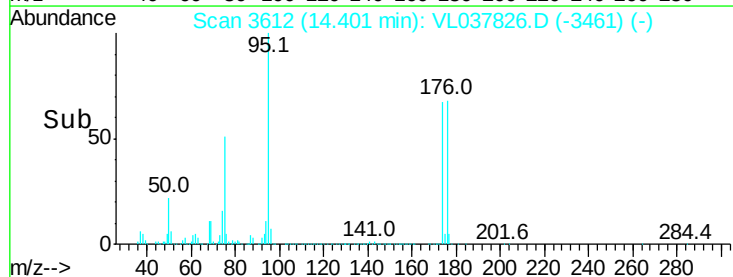
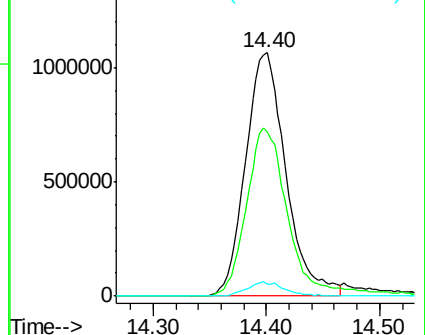
175 5.6 4.7 7.1

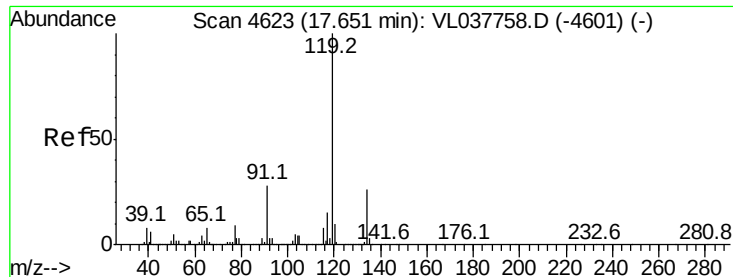


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



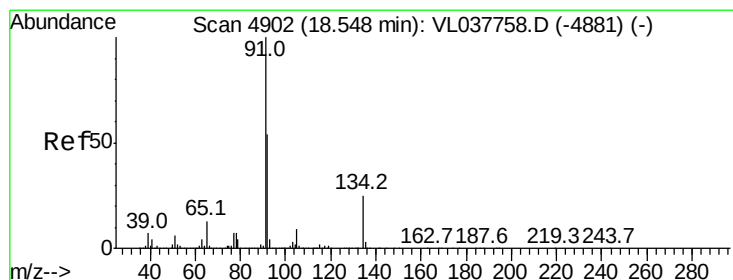
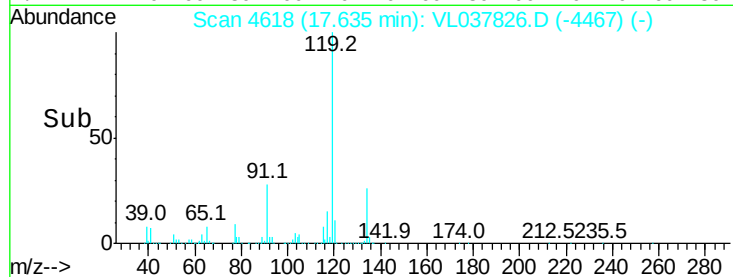
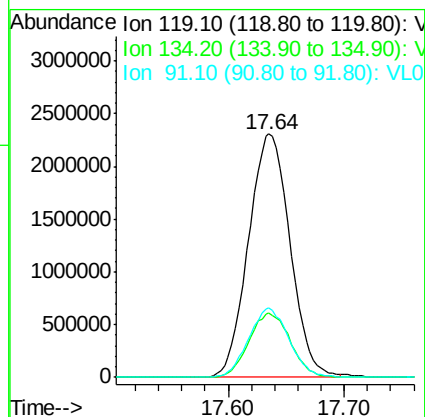
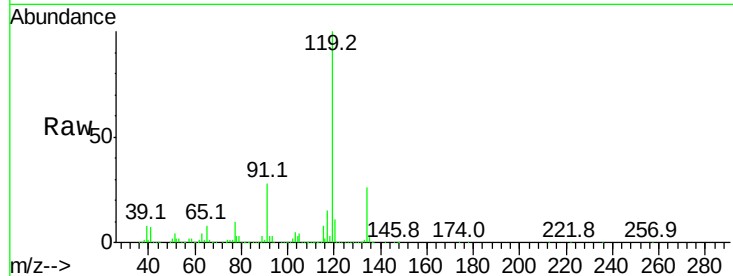


#69
 p-Isopropyltoluene
 Concen: 8.644 ppbv
 RT: 17.64 min Scan# 4618
 Delta R.T. -0.02 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion: 119 Resp: 5748183

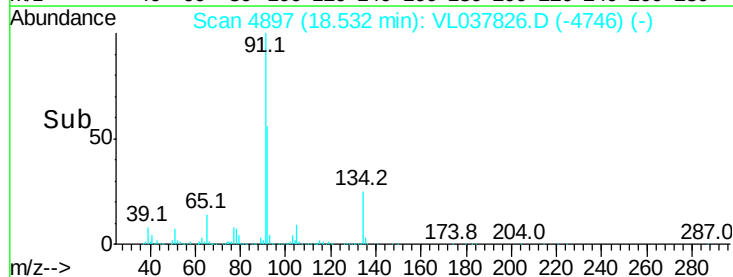
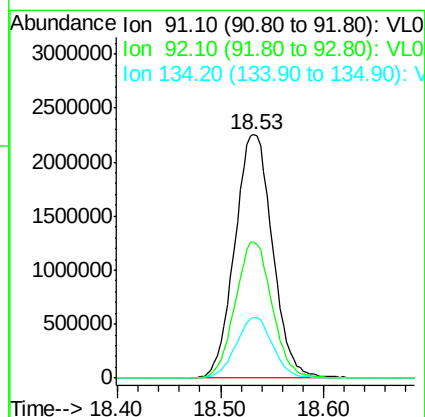
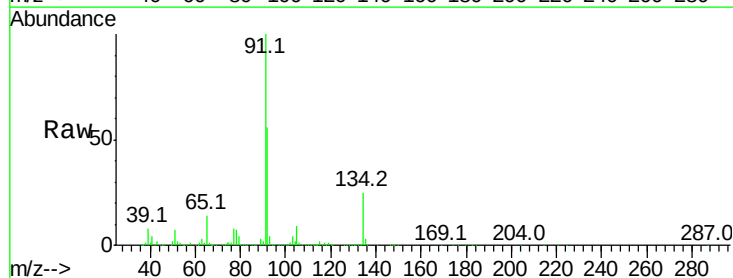
Ion	Ratio	Lower	Upper
119	100		
134	26.5	21.2	31.8
91	27.6	22.2	33.4

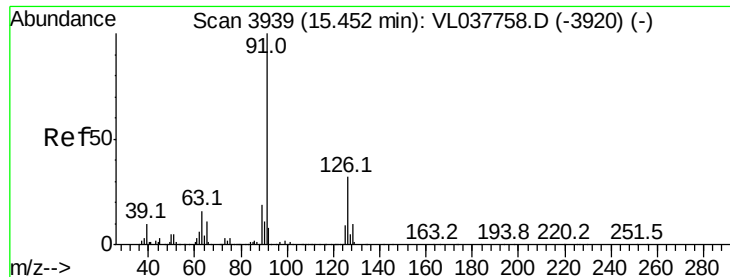


#70
 n-Butylbenzene
 Concen: 9.054 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. -0.02 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

Tgt Ion: 91 Resp: 5719970

Ion	Ratio	Lower	Upper
91	100		
92	54.8	43.4	65.0
134	24.4	19.8	29.6





#71

2-Chlorotoluene

Concen: 8.413 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

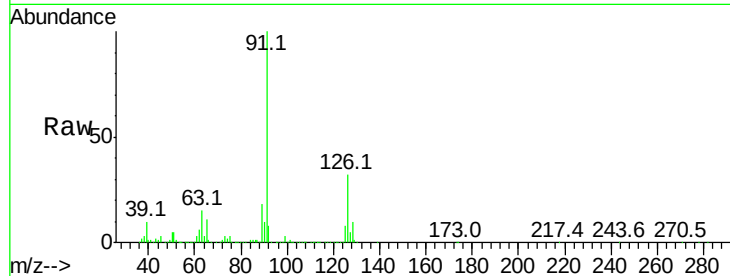
VSTDCCC010EC

Tgt Ion: 91 Resp: 4060216

Ion Ratio Lower Upper

91 100

126 33.5 13.6 54.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

3000000

2500000

2000000

1500000

1000000

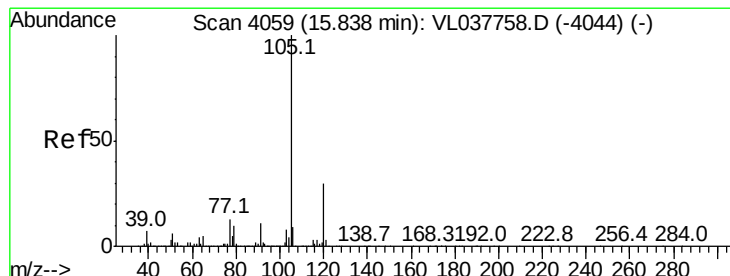
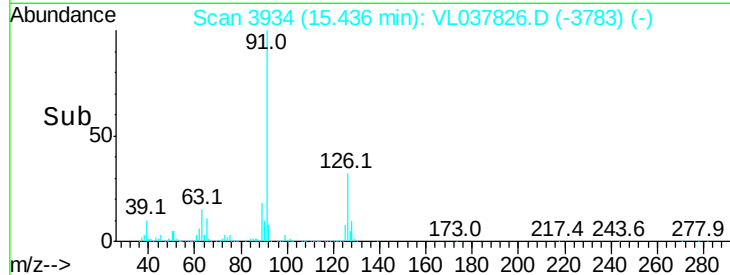
500000

0

15.44

15.50

Time-->



#72

4-Ethyltoluene

Concen: 8.743 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Tgt Ion: 105 Resp: 4864688

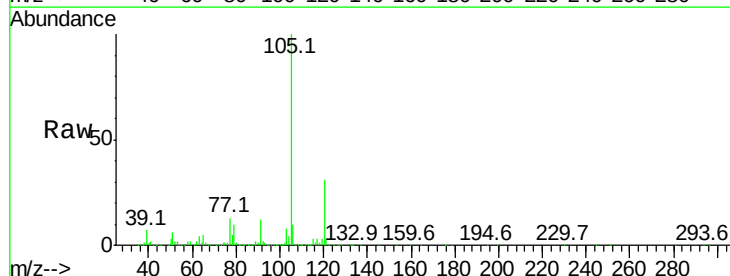
Ion Ratio Lower Upper

105 100

120 30.1 24.2 36.2

91 11.6 10.4 15.6

77 13.0 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

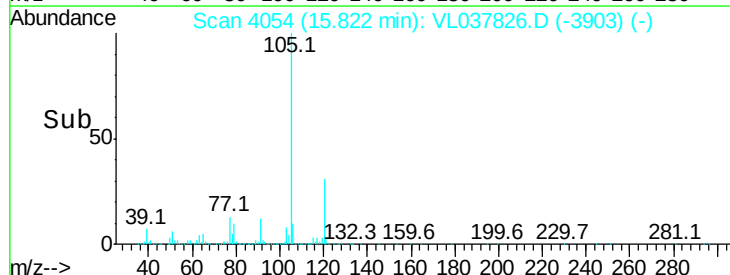
500000

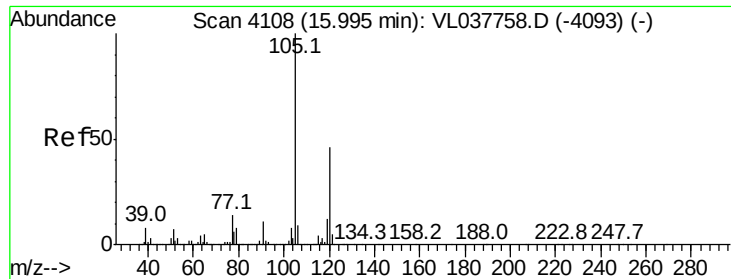
0

15.82

15.90

Time-->





#73

1,3,5-Trimethylbenzene

Concen: 8.457 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. -0.02 min

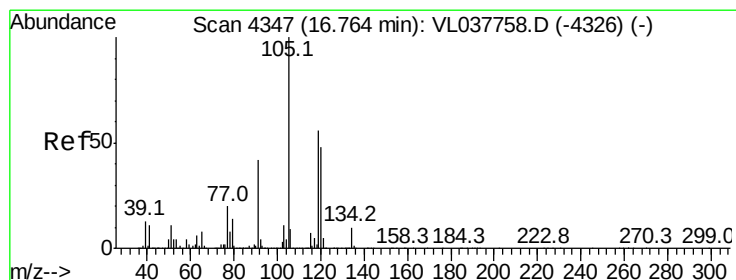
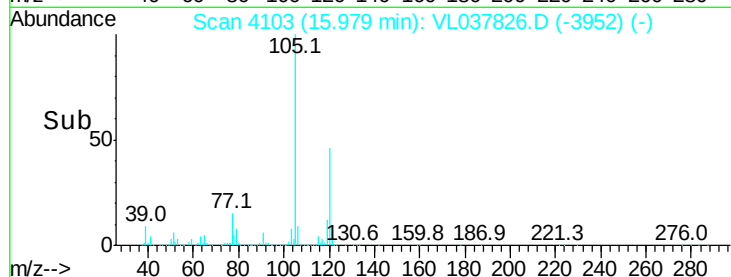
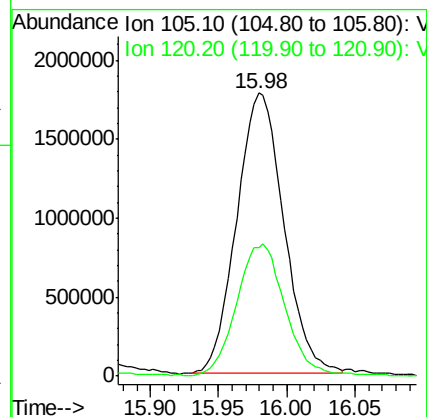
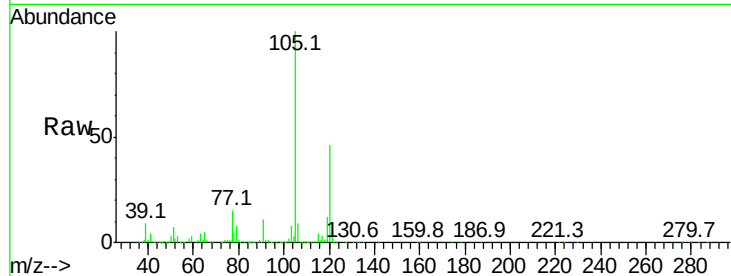
Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010EC

Tgt Ion:105 Resp: 4273950

Ion	Ratio	Lower	Upper
105	100		
120	45.5	36.6	54.8



#74

1,2,4-Trimethylbenzene

Concen: 8.410 ppbv

RT: 16.75 min Scan# 4342

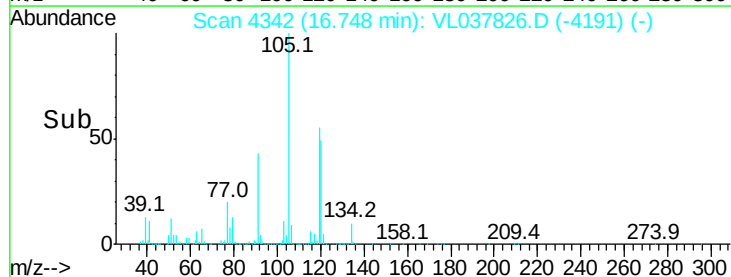
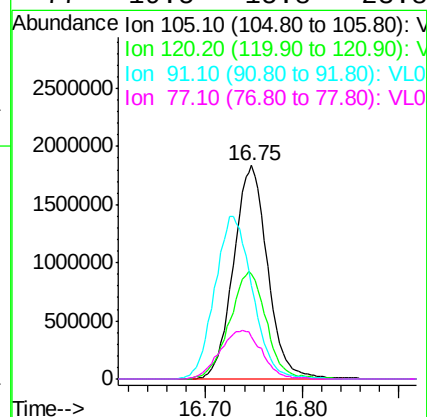
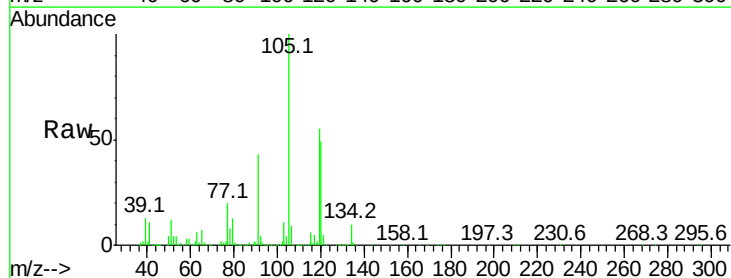
Delta R.T. -0.02 min

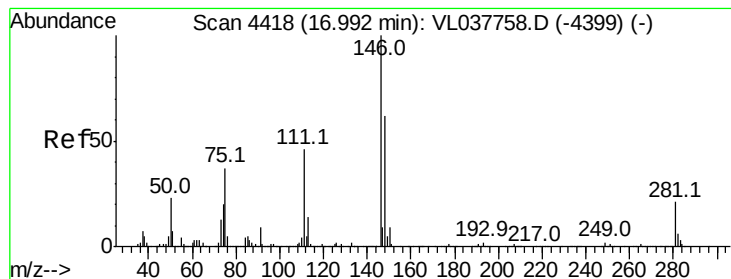
Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Tgt Ion:105 Resp: 4463222

Ion	Ratio	Lower	Upper
105	100		
120	48.8	38.4	57.6
91	43.3	34.2	51.2
77	19.5	15.8	23.8





#75

1,3-Dichlorobenzene

Concen: 8.463 ppbv

RT: 16.98 min Scan# 4414

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

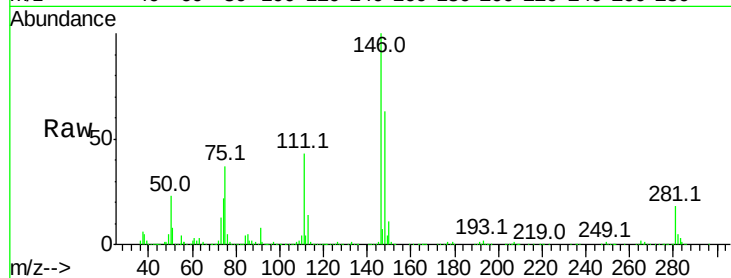
Tgt Ion:146 Resp: 2782721

Ion Ratio Lower Upper

146 100

111 45.1 22.8 68.4

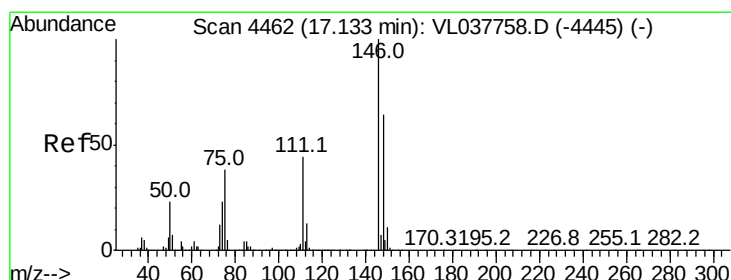
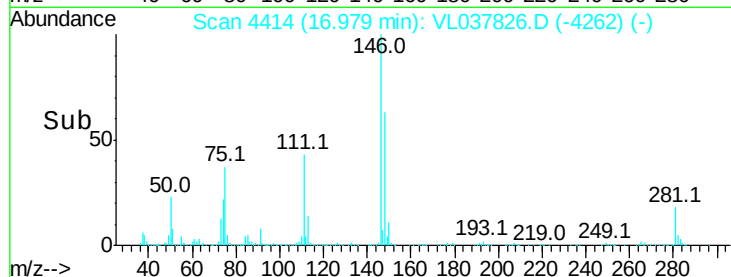
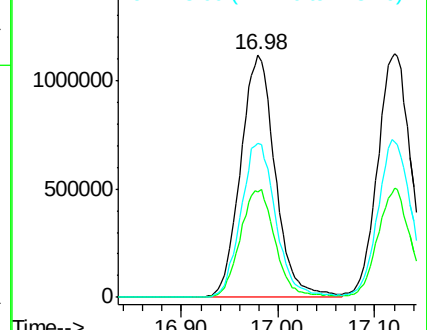
148 64.2 32.8 98.3



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



#76

1,4-Dichlorobenzene

Concen: 8.749 ppbv

RT: 17.12 min Scan# 4458

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

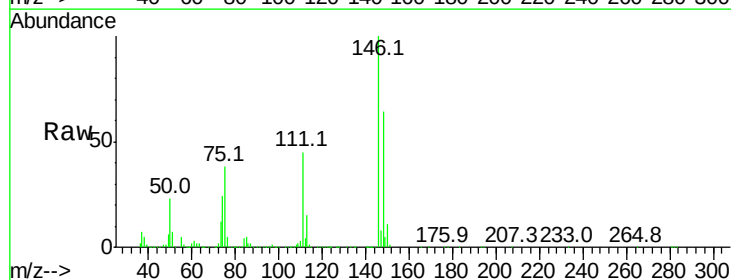
Tgt Ion:146 Resp: 2744318

Ion Ratio Lower Upper

146 100

111 44.2 22.4 67.3

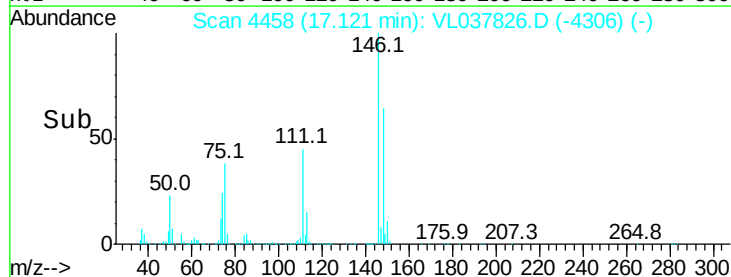
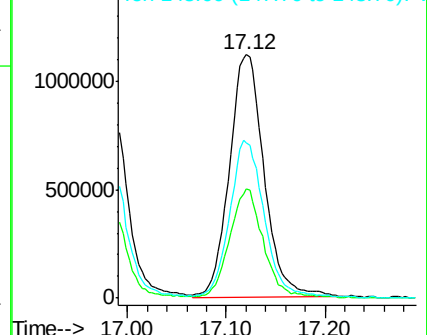
148 65.2 33.3 99.9

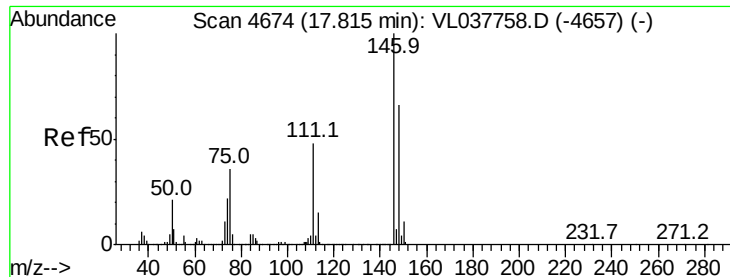


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.462 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

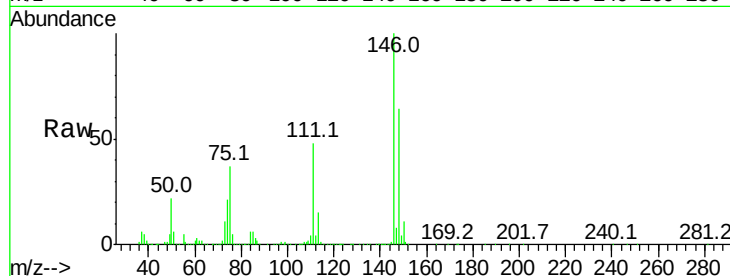
Tgt Ion:146 Resp: 2672878

Ion Ratio Lower Upper

146 100

111 47.2 23.6 70.8

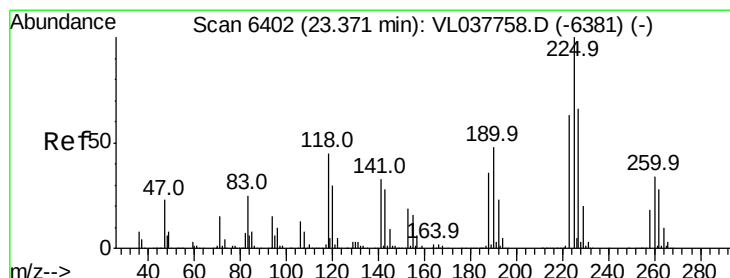
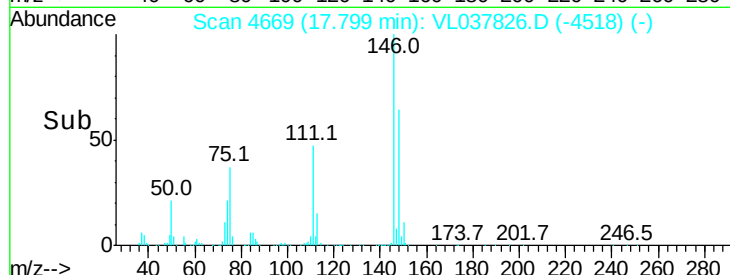
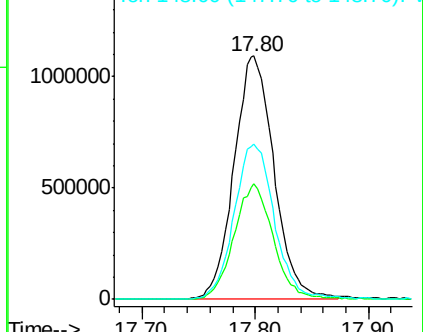
148 64.9 32.9 98.6



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: 7.697 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

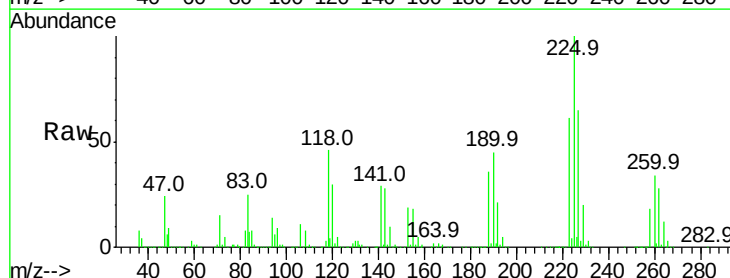
Tgt Ion:225 Resp: 1985046

Ion Ratio Lower Upper

225 100

223 63.8 51.2 76.8

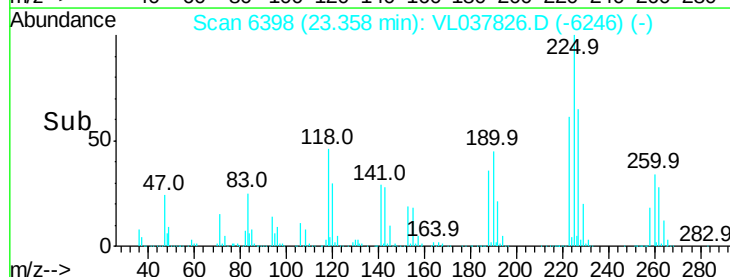
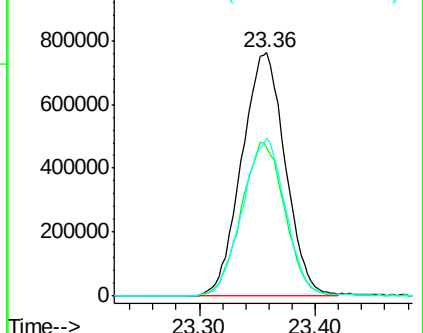
227 64.8 51.1 76.7

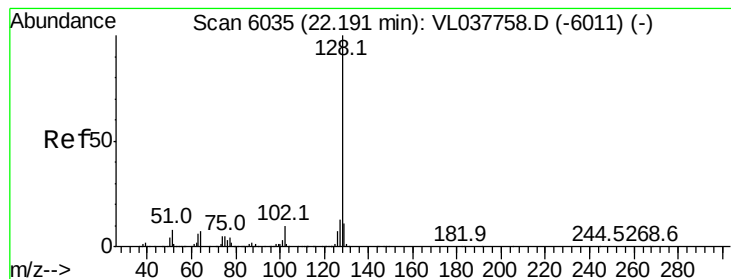


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 10.239 ppbv

RT: 22.17 min Scan# 6029

Delta R.T. -0.02 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010EC

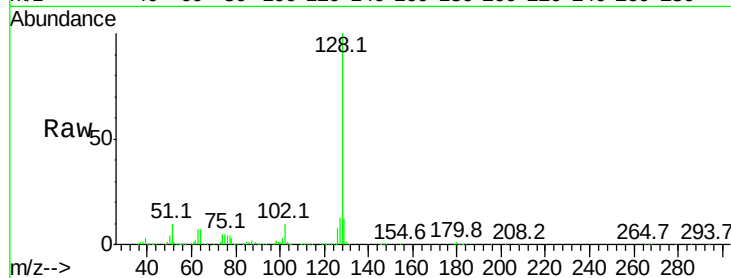
Tgt Ion:128 Resp: 3328042

Ion Ratio Lower Upper

128 100

127 13.3 10.1 15.1

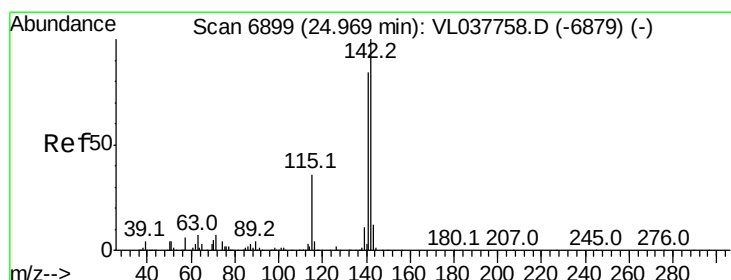
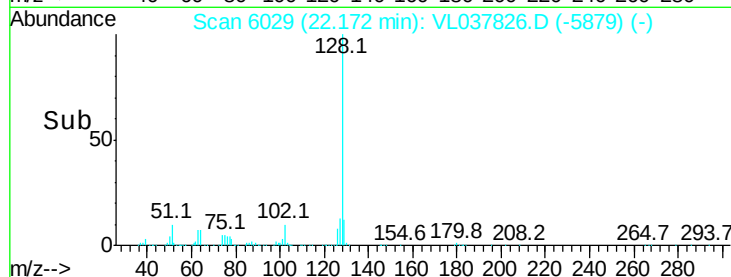
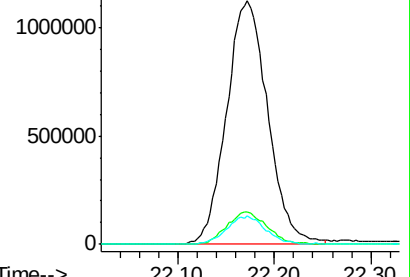
129 11.9 9.1 13.7



Abundance Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V



#80

Naphthalene, 2-methyl-

Concen: 9.930 ppbv

RT: 24.96 min Scan# 6895

Delta R.T. -0.01 min

Lab File: VL037826.D

Acq: 8 Oct 2021 10:58

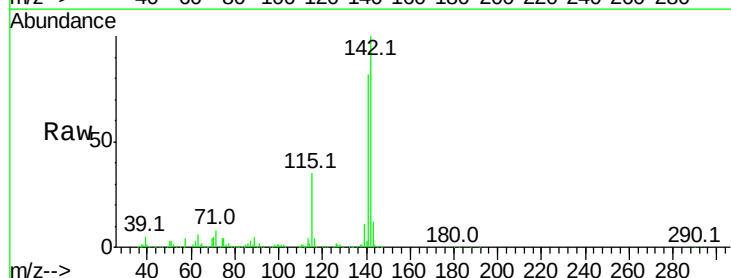
Tgt Ion:142 Resp: 866648

Ion Ratio Lower Upper

142 100

141 84.8 68.6 102.8

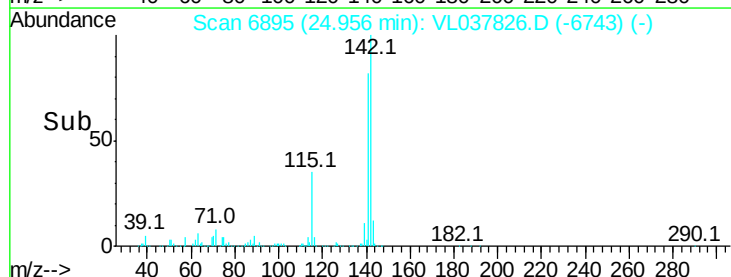
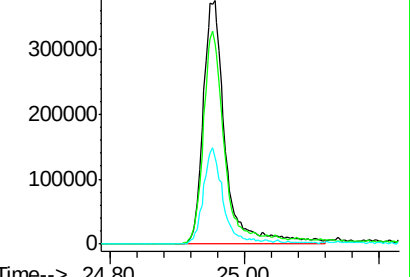
115 37.2 29.0 43.6

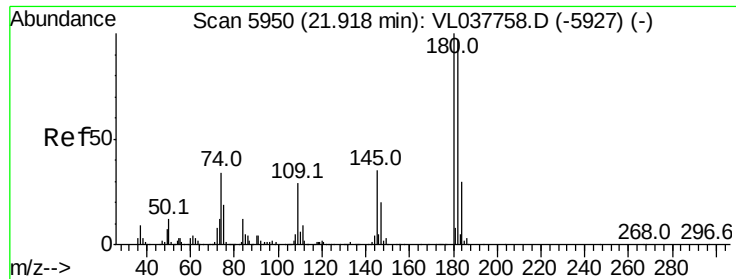


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 9.583 ppbv
 RT: 21.90 min Scan# 5944
 Delta R.T. -0.02 min
 Lab File: VL037826.D
 Acq: 8 Oct 2021 10:58

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010EC

Tgt Ion:180 Resp: 1992156
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.6 116.4
 184 31.2 25.0 37.4

