

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092921\
 Data File : VL037729.D
 Acq On : 29 Sep 2021 12:47
 Operator : SY/AP
 Sample : VSTDCCC010
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Quant Time: Sep 29 22:48:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1307694	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.18	114	3924644	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	4425747	10.00	ppbv	0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2592336	8.10	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.00%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	1928833	8.151	ppbv	100
3) Chlorodifluoromethane	2.99	51	2498413	10.129	ppbv	99
4) Chloromethane	3.14	50	958699	10.520	ppbv	97
5) Vinyl Chloride	3.26	62	916537	10.707	ppbv	98
6) Bromomethane	3.47	94	487961	9.808	ppbv	97
7) Chloroethane	3.56	64	323074	10.099	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	2149549	10.530	ppbv	99
9) Propene	3.02	41	950282	10.922	ppbv	93
10) Heptane	8.12	43	2291303	11.286	ppbv	100
11) Trichlorofluoromethane	3.95	101	1954320	10.287	ppbv	100
12) 1,1,2-Trichlorotrifluoroet	4.49	101	1432269	10.214	ppbv	100
13) Ethanol	3.62	45	84994	9.987	ppbv	97
14) Bromoethene	3.75	108	672345	10.533	ppbv	98
15) Acetone	3.85	43	1100174	8.097	ppbv	97
16) 1,3-Butadiene	3.33	39	923976	10.883	ppbv	99
17) tert-Butyl alcohol	4.29	59	1349180	11.710	ppbv	97
18) 1,1-Dichloroethene	4.29	96	673781	10.314	ppbv	97
19) Isopropyl Alcohol	3.96	45	787180	10.648	ppbv	# 97
20) Methylene Chloride	4.34	84	589739	9.092	ppbv	97
21) Allyl Chloride	4.42	41	1091271	10.751	ppbv	99
22) trans-1,2-Dichloroethene	4.89	96	675438	10.277	ppbv	97
23) Vinyl Acetate	5.07	43	1976698	10.514	ppbv	98
24) 1,1-Dichloroethane	5.01	63	1381460	10.257	ppbv	98
25) Ethyl Acetate	5.68	43	3626855	11.022	ppbv	98
26) Hexane	5.69	57	1700676	10.880	ppbv	99
27) Carbon Disulfide	4.55	76	1611823	11.271	ppbv	99
28) Methyl tert-Butyl Ether	5.03	73	1456705	10.580	ppbv	99
29) Chloroform	5.75	83	2316121	10.147	ppbv	97
30) Cyclohexane	7.13	84	1428898	10.688	ppbv	99
31) cis-1,2-Dichloroethene	5.55	61	1582341	11.150	ppbv	96
32) 1,1,1-Trichloroethane	6.51	97	2224734	10.469	ppbv	99
34) 2-Butanone	5.25	43	1580514	9.910	ppbv	99
35) Carbon Tetrachloride	7.02	117	2295126	10.338	ppbv	100
36) Benzene	6.89	78	3526008	10.774	ppbv	99
37) 1,2-Dichloroethane	6.31	62	1658580	10.305	ppbv	100
38) Trichloroethene	7.83	130	1359348	9.944	ppbv	97
39) 1,2-Dichloropropane	7.61	63	1366273	10.900	ppbv	97
40) 1,4-Dioxane	7.83	88	327914	10.755	ppbv	# 1
41) Tetrahydrofuran	6.05	42	841802	11.228	ppbv	99
42) Bromodichloromethane	7.79	83	2456393	10.648	ppbv	97
43) Methyl Methacrylate	8.01	69	1280238	11.759	ppbv	99

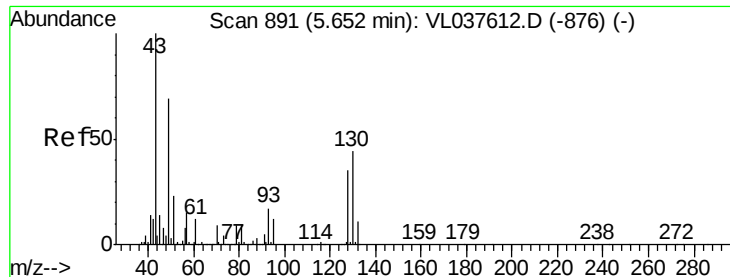
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092921\
 Data File : VL037729.D
 Acq On : 29 Sep 2021 12:47
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Quant Time: Sep 29 22:48:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	5895084	10.715	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	972741	11.375	ppbv	98
46) cis-1,3-Dichloropropene	8.70	75	1295584	11.215	ppbv	100
47) 1,1,2-Trichloroethane	9.47	97	1401001	10.104	ppbv	99
48) Dibromochloromethane	10.30	129	2178377	11.261	ppbv	98
49) Bromoform	13.03	173	1750224	11.305	ppbv	96
50) 4-Methyl-2-Pentanone	8.74	43	2347637	11.597	ppbv	100
51) 2-Hexanone	10.14	43	1128314	12.633	ppbv #	99
52) Tetrachloroethene	11.22	164	1291876	10.283	ppbv	98
53) Toluene	9.81	91	4073600	11.198	ppbv	99
54) 1,2-Dibromoethane	10.61	107	1970436	10.378	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	1487485	8.103	ppbv #	92
57) Chlorobenzene	12.15	112	2865379	7.788	ppbv	98
58) Ethyl Benzene	12.71	91	5123584	8.721	ppbv	98
59) m/p-Xylene	12.99	91	4404254	8.603	ppbv #	33
60) o-Xylene	13.69	91	3890258	7.983	ppbv	97
61) Styrene	13.53	104	2206324	9.182	ppbv	97
62) Isopropylbenzene	14.66	105	5590854	8.213	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.67	83	2867006	7.518	ppbv	100
64) n-propylbenzene	15.56	120	1486222	8.460	ppbv	86
65) tert-Butylbenzene	16.74	119	4914581	8.007	ppbv	100
66) Benzyl Chloride	16.99	91	267855	7.986	ppbv	98
67) sec-Butylbenzene	17.29	105	6856345	8.234	ppbv	99
69) p-Isopropyltoluene	17.65	119	5737322	8.433	ppbv	99
70) n-Butylbenzene	18.55	91	5524088	8.582	ppbv	100
71) 2-Chlorotoluene	15.45	91	4056061	8.314	ppbv	98
72) 4-Ethyltoluene	15.84	105	4939536	8.830	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	4386753	8.413	ppbv	100
74) 1,2,4-Trimethylbenzene	16.76	105	4454807	8.112	ppbv	97
75) 1,3-Dichlorobenzene	16.99	146	2746358	8.049	ppbv	99
76) 1,4-Dichlorobenzene	17.13	146	2655731	7.892	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	2630254	8.128	ppbv	99
78) Hexachloro-1,3-Butadiene	23.37	225	1978068	7.262	ppbv	99
79) Naphthalene	22.19	128	3302188	9.793	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	906352	11.760	ppbv	93
81) 1,2,4-Trichlorobenzene	21.92	180	1987478	9.180	ppbv	99

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

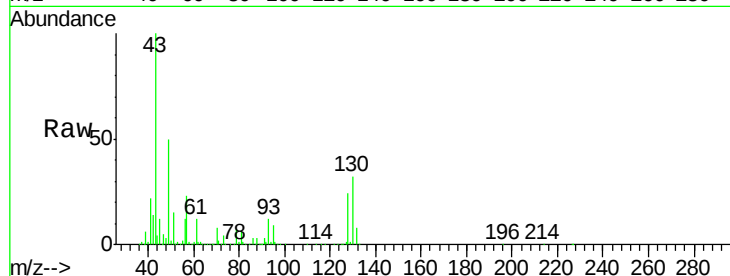
Tgt Ion: 49 Resp: 1307694

Ion Ratio Lower Upper

49 100

128 53.5 27.9 83.6

130 67.1 33.9 101.7



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

800000

600000

400000

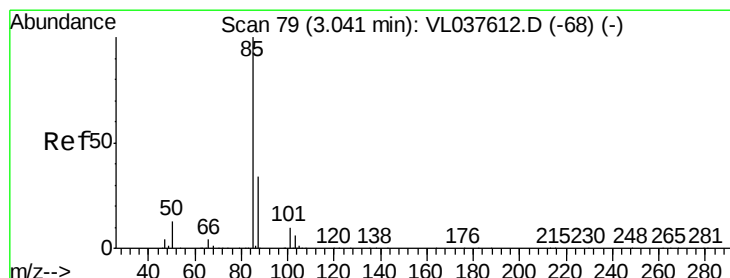
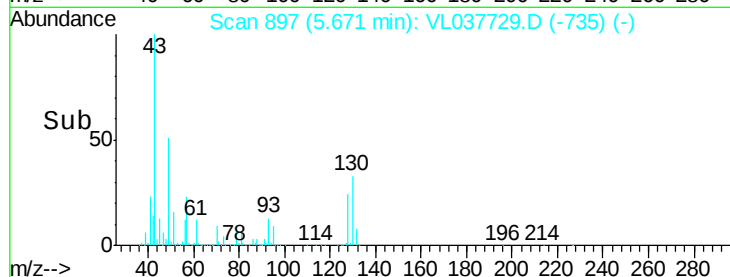
200000

0

5.60 5.65 5.70 5.75

5.67

Time-->



#2

Dichlorodifluoromethane

Concen: 8.151 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL037729.D

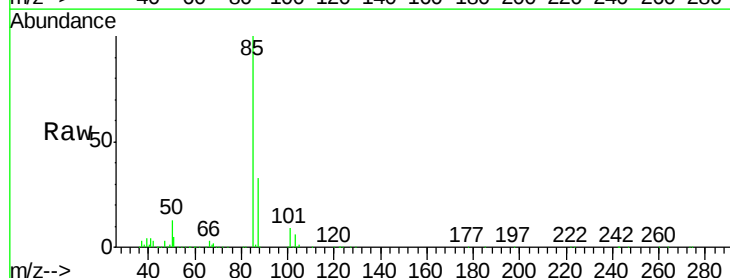
Acq: 29 Sep 2021 12:47

Tgt Ion: 85 Resp: 1928833

Ion Ratio Lower Upper

85 100

87 33.2 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

1500000

1000000

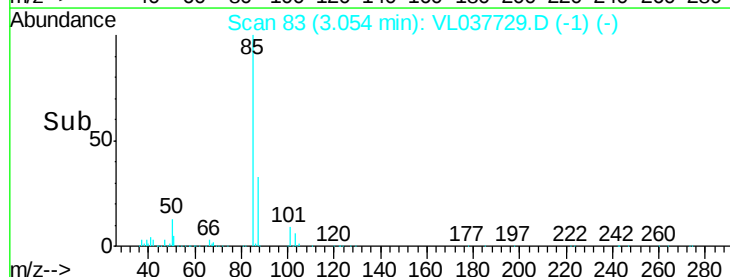
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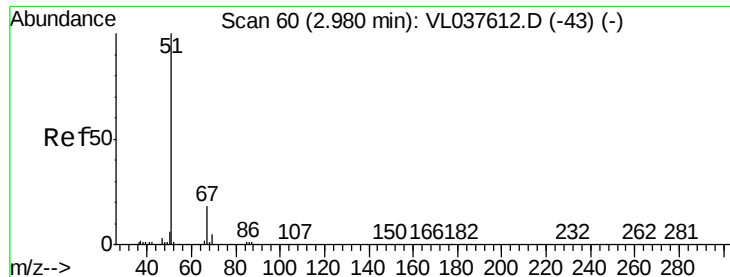
0

3.00 3.05 3.10 3.15

3.05

Time-->





#3

Chlorodifluoromethane

Concen: 10.129 ppbv

RT: 2.99 min Scan# 64

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

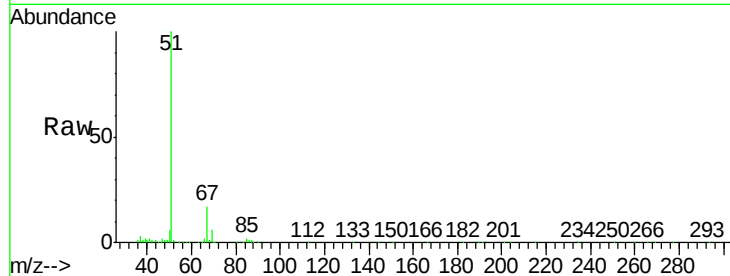
VSTDCCC010

Tgt Ion: 51 Resp: 2498413

Ion Ratio Lower Upper

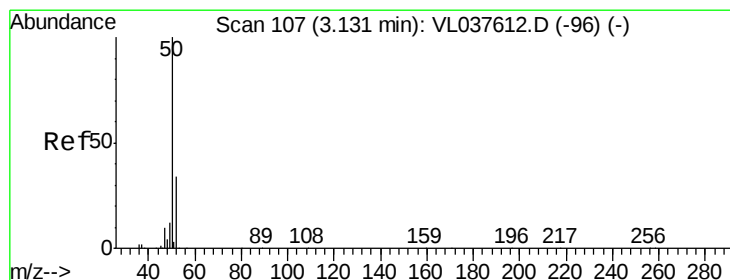
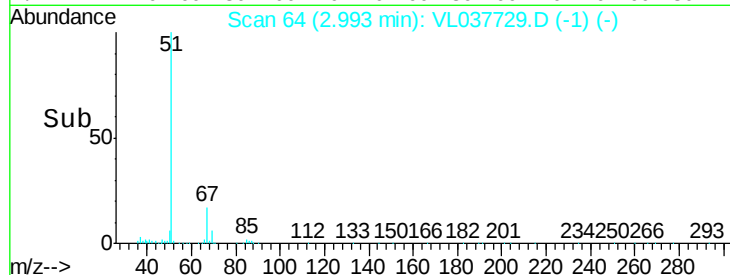
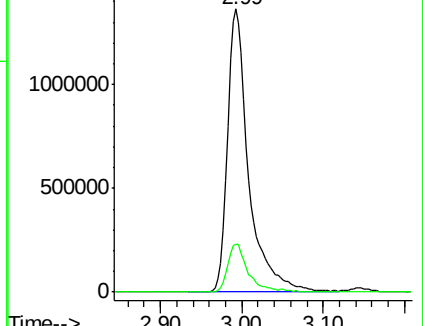
51 100

67 17.1 14.0 21.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 10.520 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL037729.D

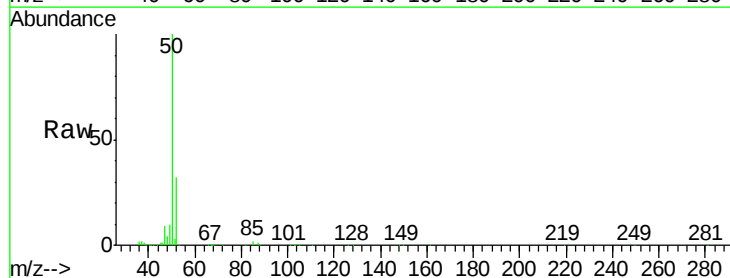
Acq: 29 Sep 2021 12:47

Tgt Ion: 50 Resp: 958699

Ion Ratio Lower Upper

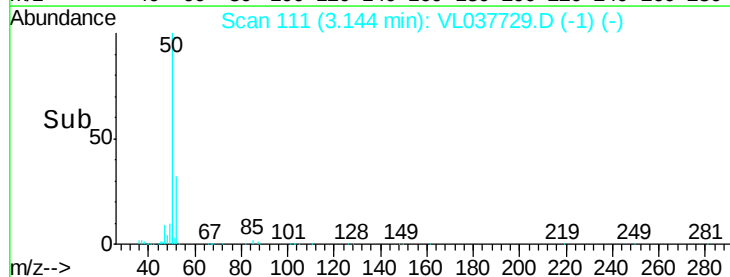
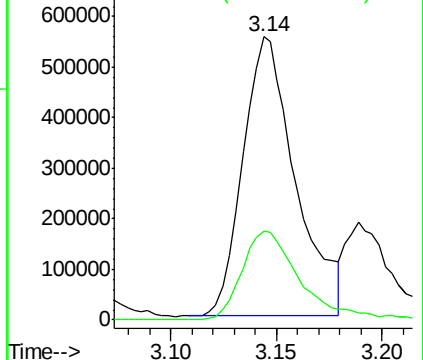
50 100

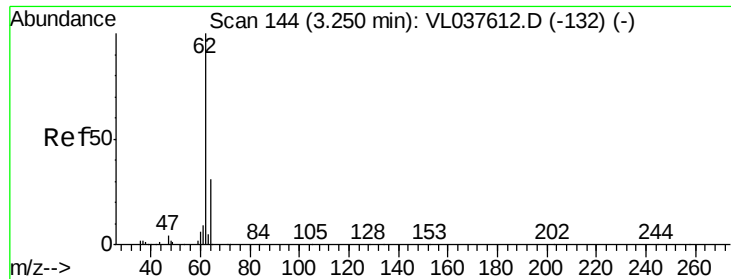
52 32.0 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 10.707 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

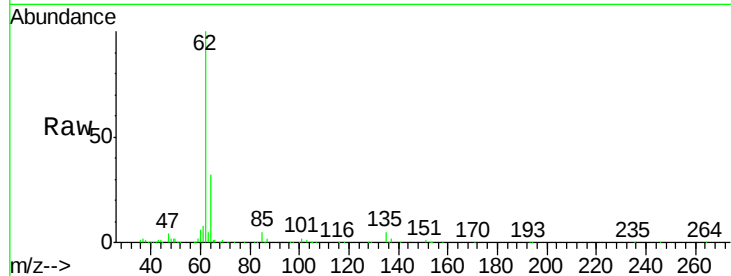
VSTDCCC010

Tgt Ion: 62 Resp: 916537

Ion Ratio Lower Upper

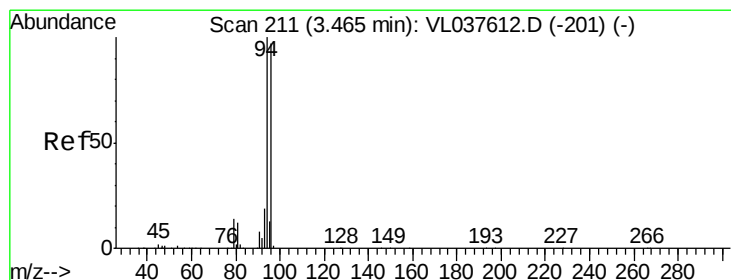
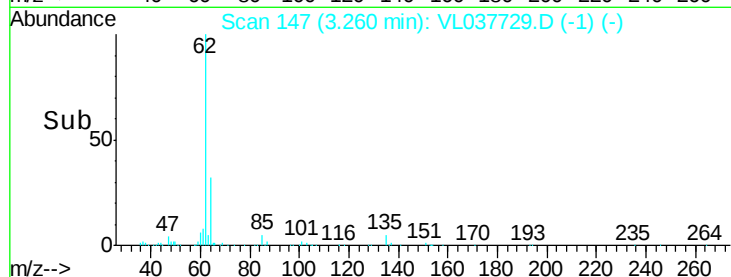
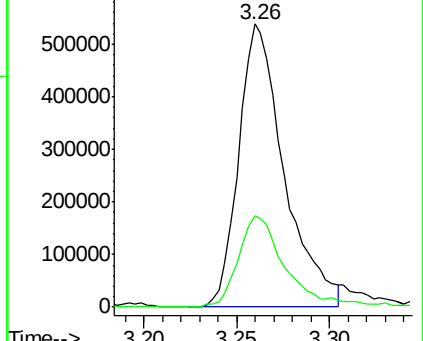
62 100

64 32.2 24.9 37.3



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 9.808 ppbv

RT: 3.47 min Scan# 214

Delta R.T. 0.01 min

Lab File: VL037729.D

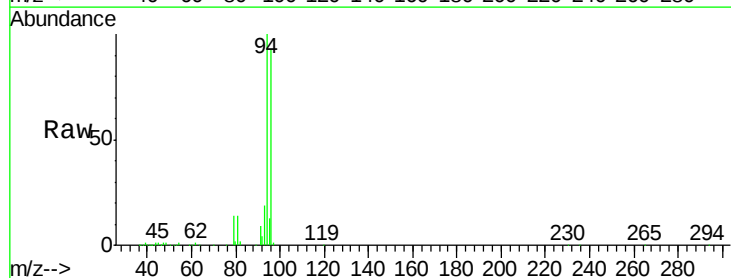
Acq: 29 Sep 2021 12:47

Tgt Ion: 94 Resp: 487961

Ion Ratio Lower Upper

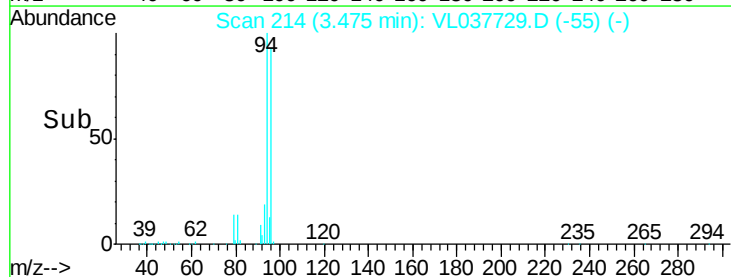
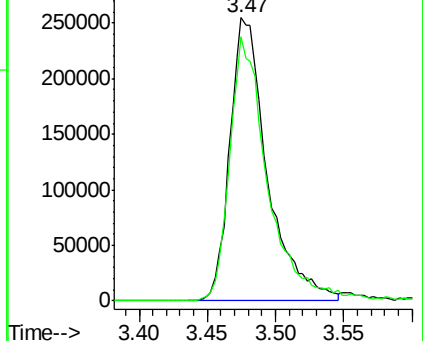
94 100

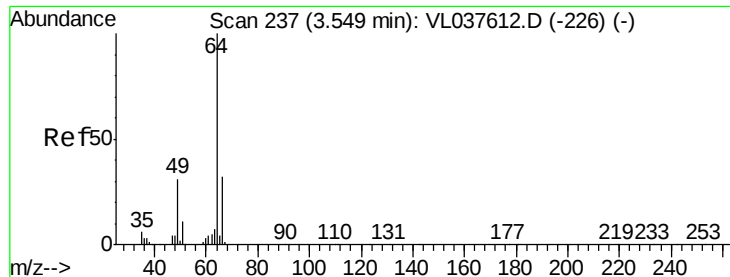
96 93.4 77.3 115.9



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 10.099 ppbv

RT: 3.56 min Scan# 240

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

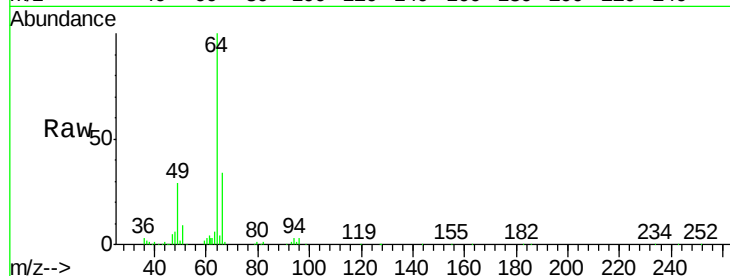
VSTDCCC010

Tgt Ion: 64 Resp: 323074

Ion Ratio Lower Upper

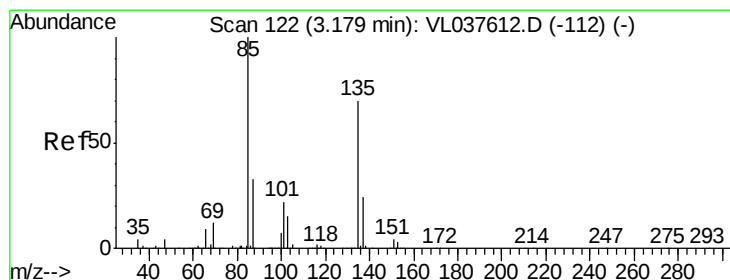
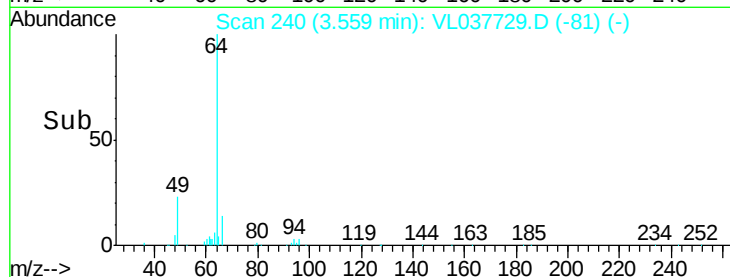
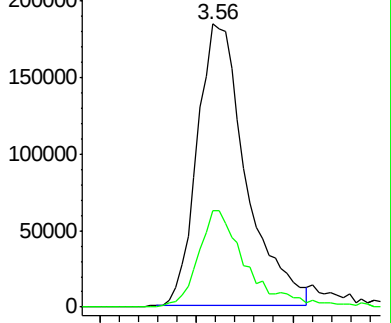
64 100

66 34.2 25.3 37.9



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 10.530 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.01 min

Lab File: VL037729.D

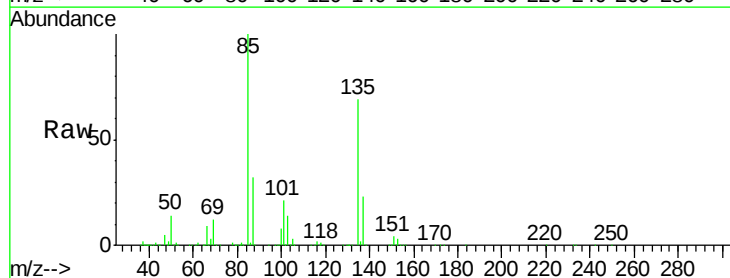
Acq: 29 Sep 2021 12:47

Tgt Ion: 85 Resp: 2149549

Ion Ratio Lower Upper

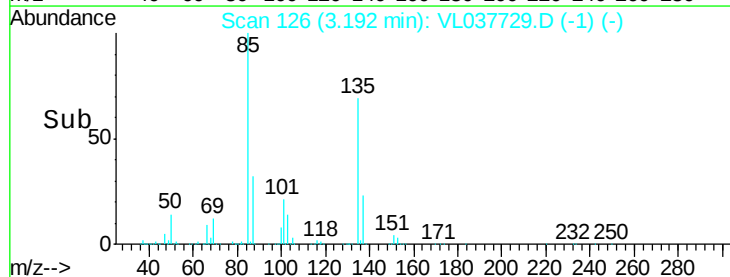
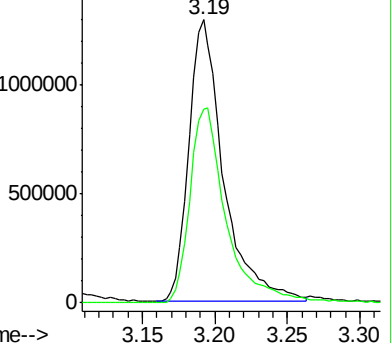
85 100

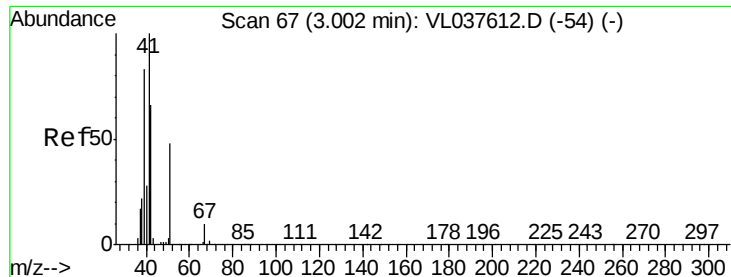
135 73.5 59.3 88.9



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 10.922 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

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ClientSampleId :

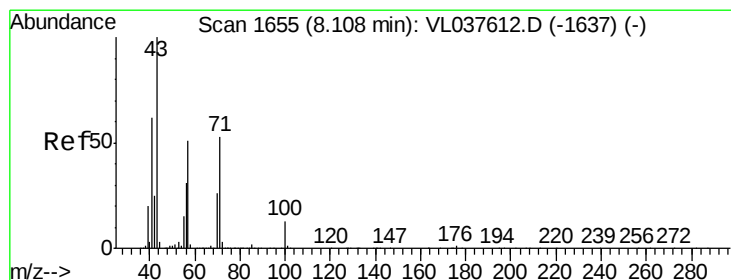
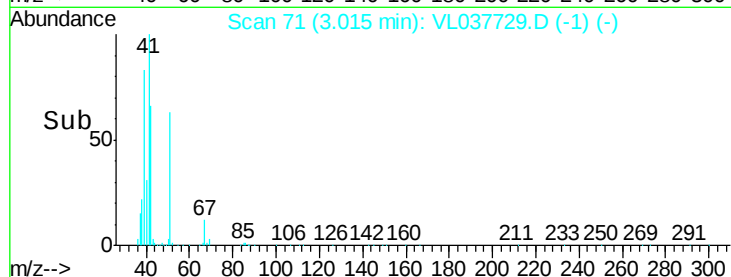
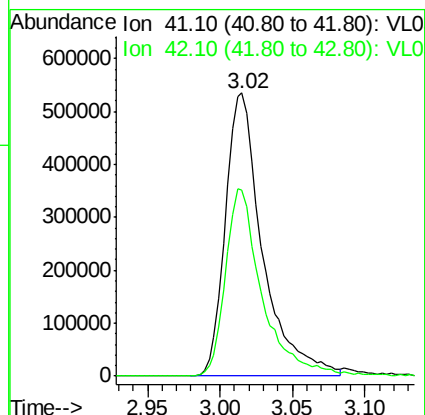
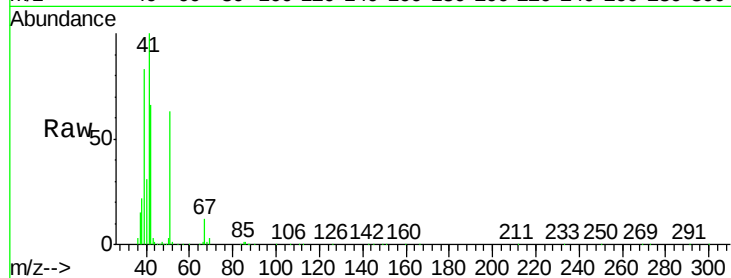
VSTDCCC010

Tgt Ion: 41 Resp: 950282

Ion Ratio Lower Upper

41 100

42 66.0 57.2 85.8



#10

Heptane

Concen: 11.286 ppbv

RT: 8.12 min Scan# 1659

Delta R.T. 0.01 min

Lab File: VL037729.D

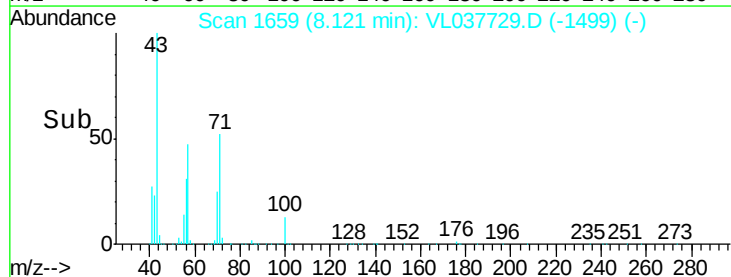
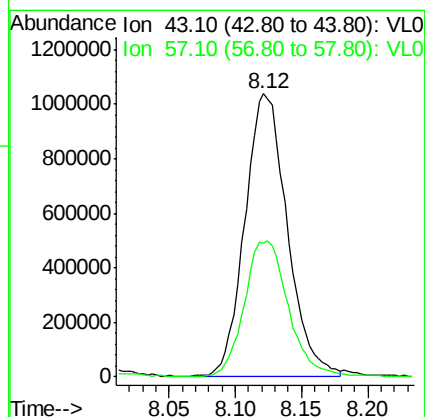
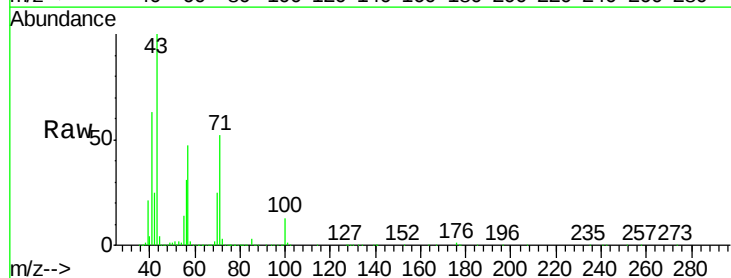
Acq: 29 Sep 2021 12:47

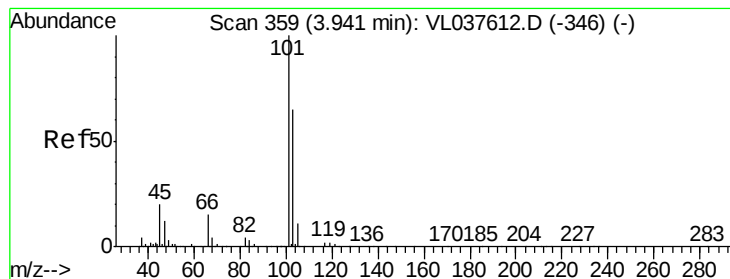
Tgt Ion: 43 Resp: 2291303

Ion Ratio Lower Upper

43 100

57 50.0 40.1 60.1



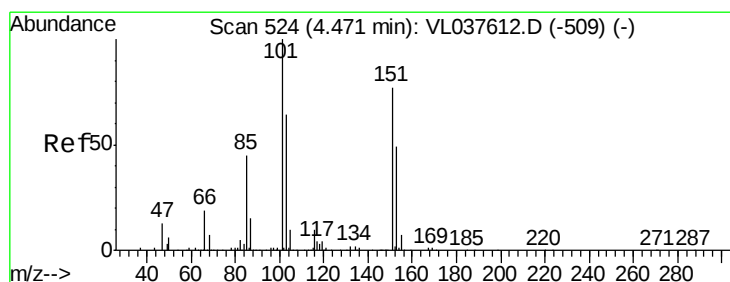
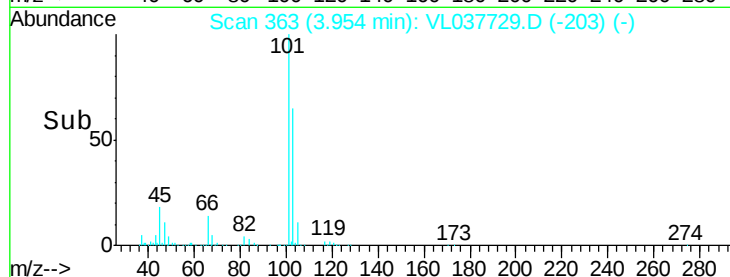
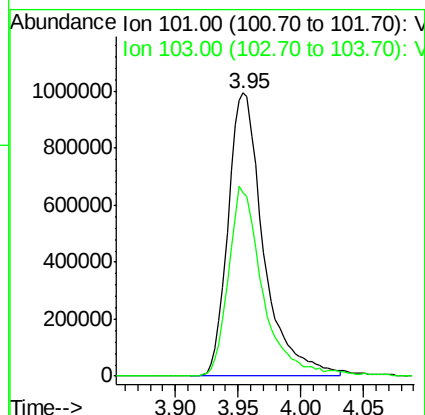
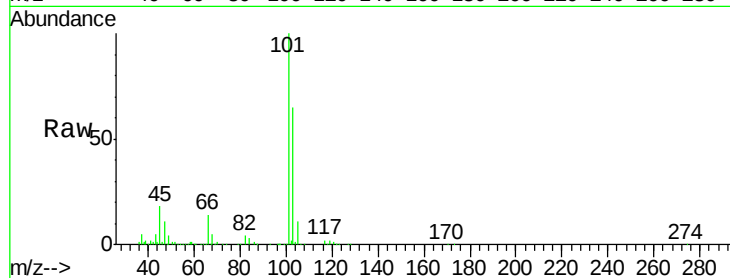


#11

Trichlorofluoromethane
 Concen: 10.287 ppbv
 RT: 3.95 min Scan# 363
 Delta R.T. 0.01 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

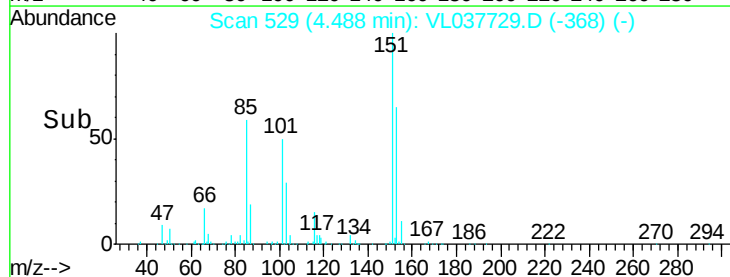
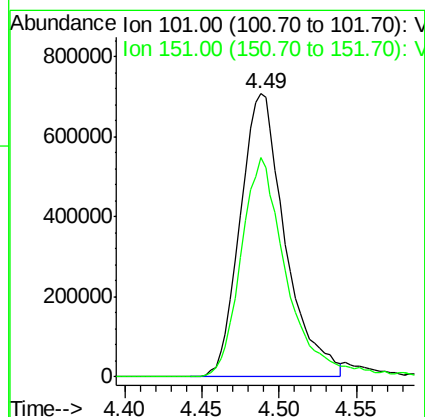
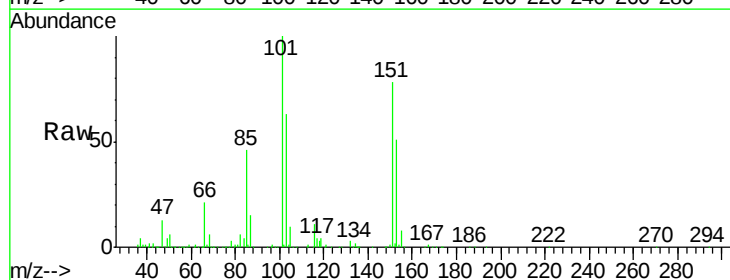
Tgt Ion:101 Resp: 1954320
 Ion Ratio Lower Upper
 101 100
 103 65.0 51.9 77.9

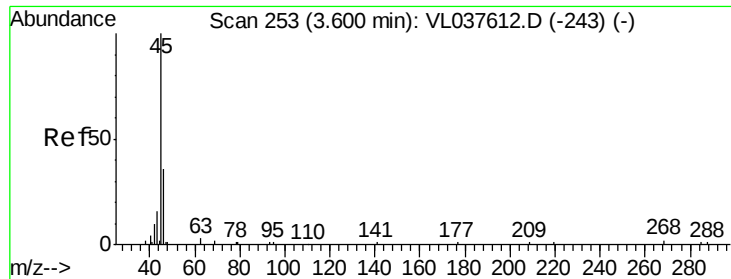


#12

1,1,2-Trichlorotrifluoroethane
 Concen: 10.214 ppbv
 RT: 4.49 min Scan# 529
 Delta R.T. 0.02 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

Tgt Ion:101 Resp: 1432269
 Ion Ratio Lower Upper
 101 100
 151 79.6 63.5 95.3





#13

Ethanol

Concen: 9.987 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

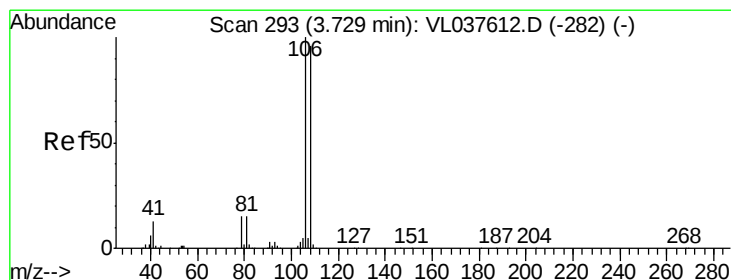
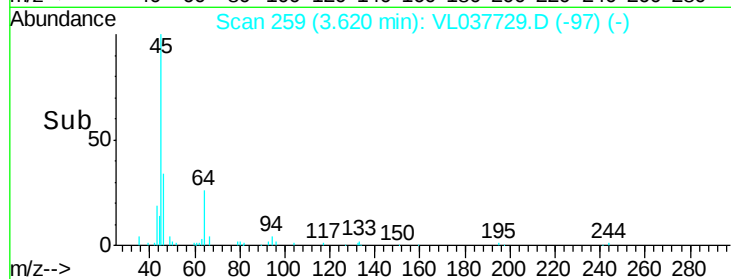
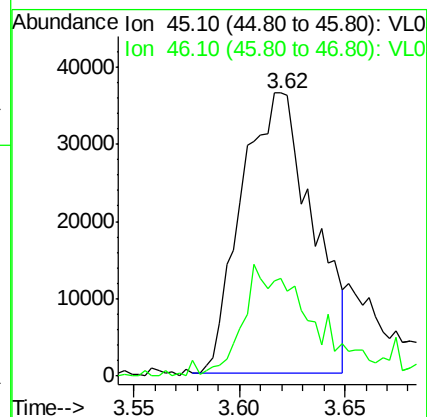
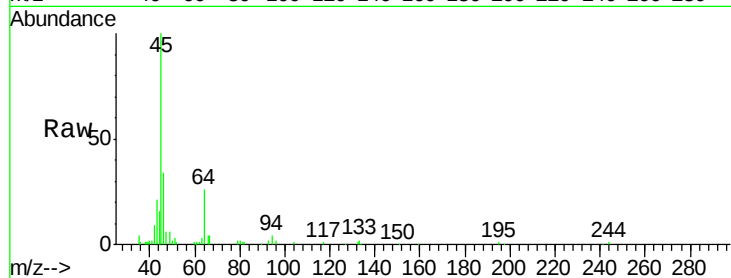
VSTDCCC010

Tgt Ion: 45 Resp: 84994

Ion Ratio Lower Upper

45 100

46 40.8 17.2 68.8



#14

Bromoethene

Concen: 10.533 ppbv

RT: 3.75 min Scan# 298

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

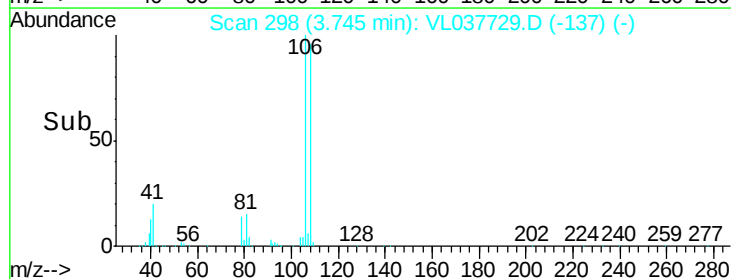
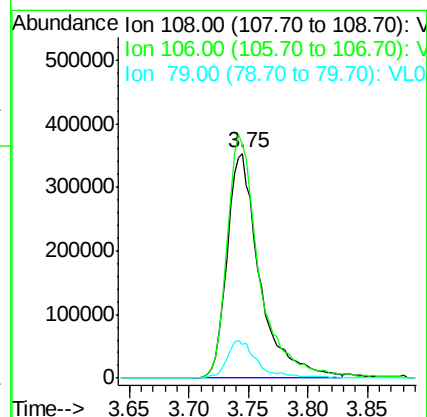
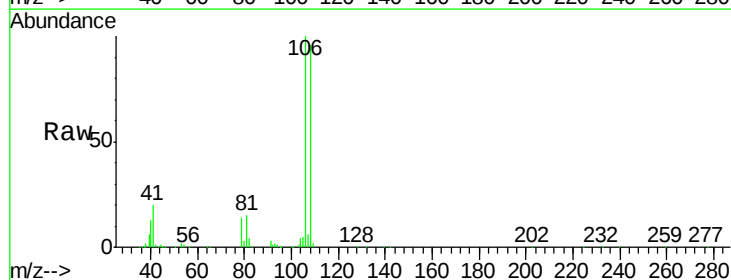
Tgt Ion: 108 Resp: 672345

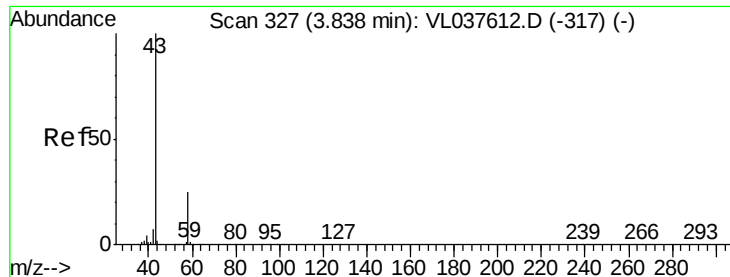
Ion Ratio Lower Upper

108 100

106 108.4 88.2 132.4

79 16.0 12.8 19.2

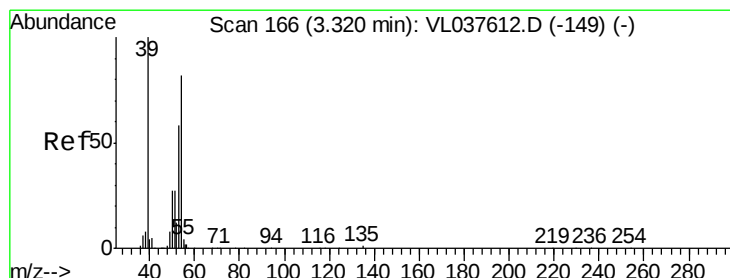
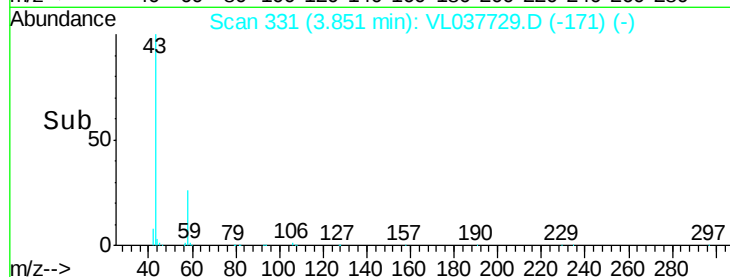
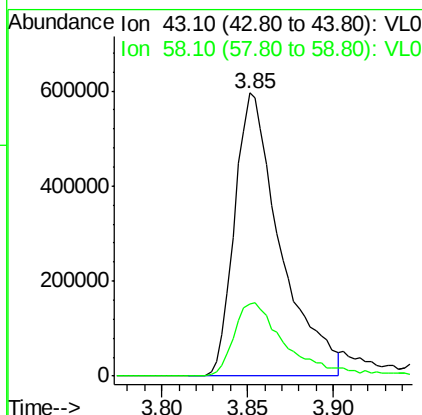
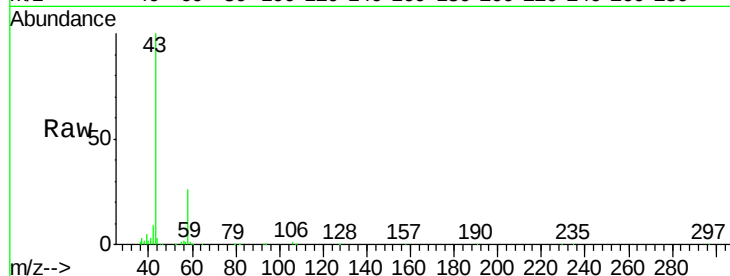




#15
Acetone
Concen: 8.097 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

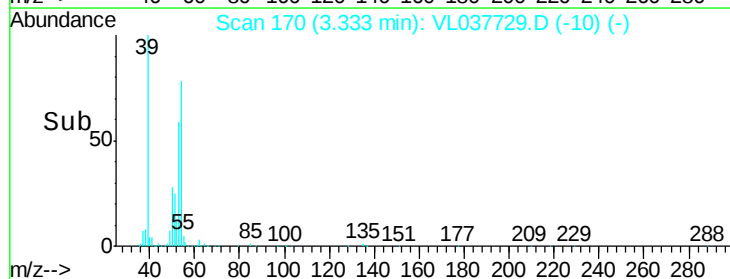
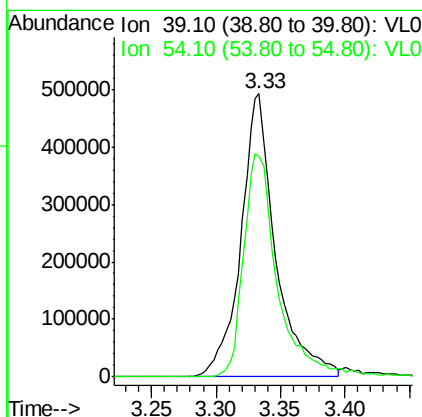
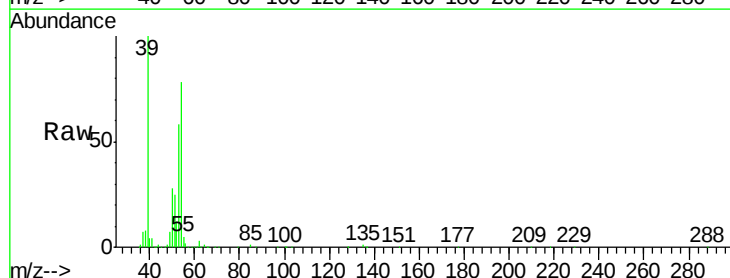
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

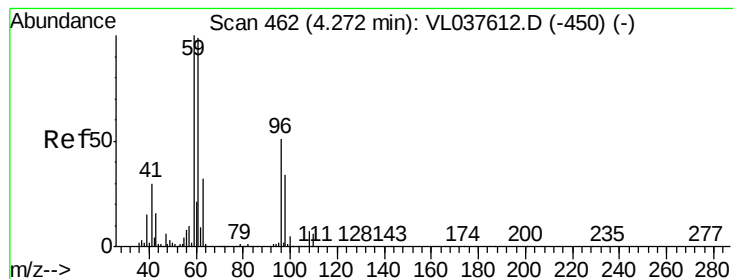
Tgt Ion: 43 Resp: 1100174
Ion Ratio Lower Upper
43 100
58 29.7 24.9 37.3



#16
1,3-Butadiene
Concen: 10.883 ppbv
RT: 3.33 min Scan# 170
Delta R.T. 0.01 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

Tgt Ion: 39 Resp: 923976
Ion Ratio Lower Upper
39 100
54 77.7 62.6 93.8





#17

tert-Butyl alcohol

Concen: 11.710 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

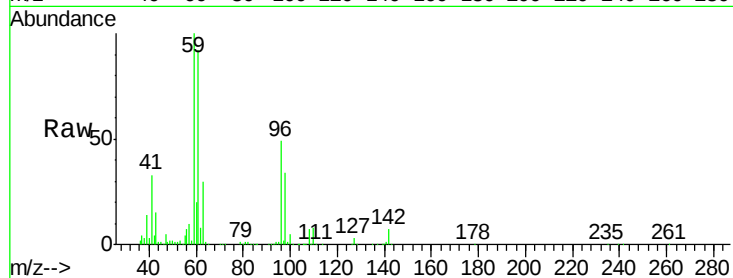
VSTDCCC010

Tgt Ion: 59 Resp: 1349180

Ion Ratio Lower Upper

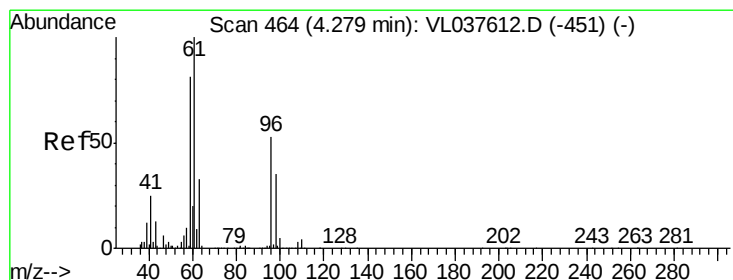
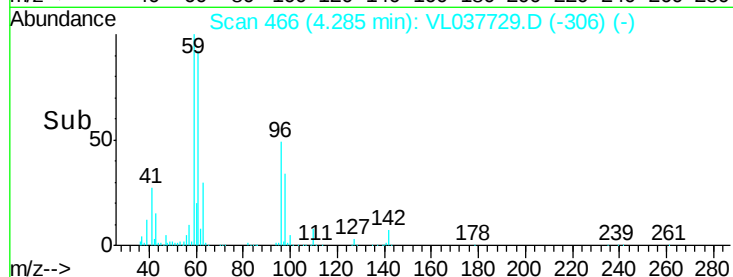
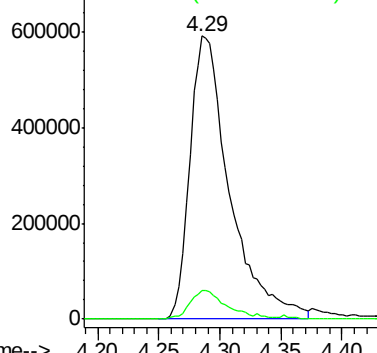
59 100

57 9.5 8.4 12.6



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 10.314 ppbv

RT: 4.29 min Scan# 468

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

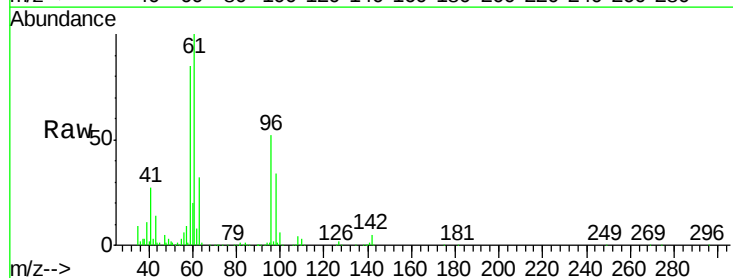
Tgt Ion: 96 Resp: 673781

Ion Ratio Lower Upper

96 100

61 193.0 150.4 225.6

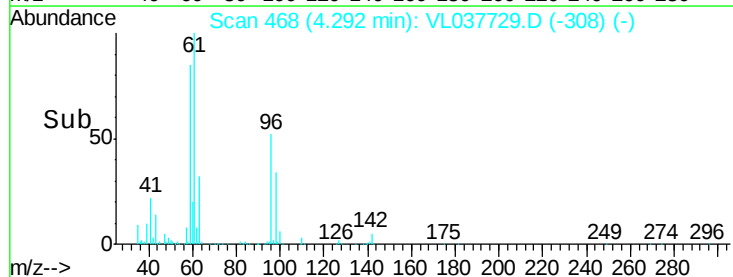
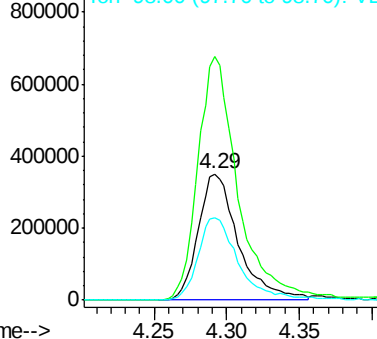
98 64.9 52.1 78.1

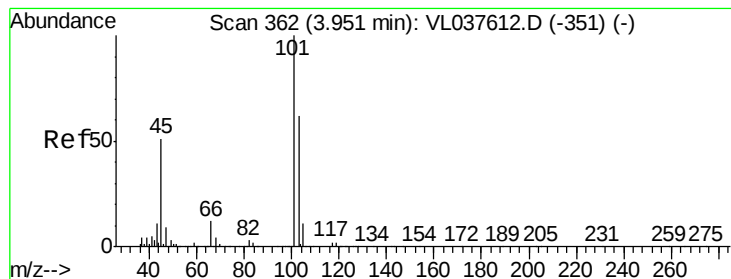


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 10.648 ppbv

RT: 3.96 min Scan# 366

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

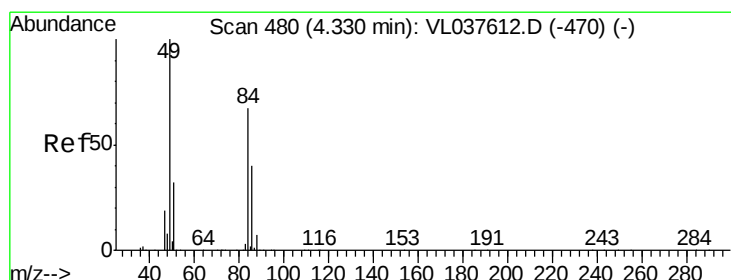
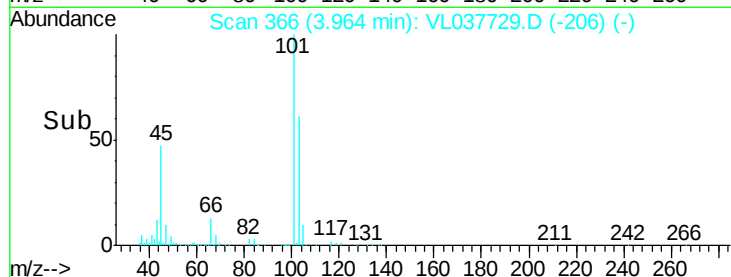
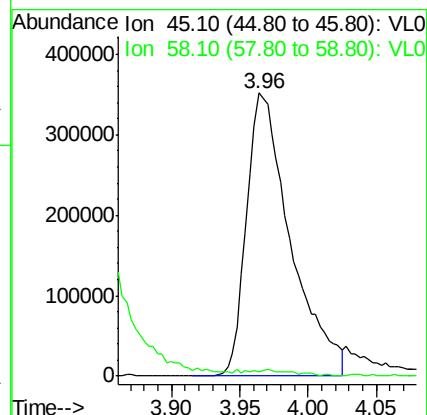
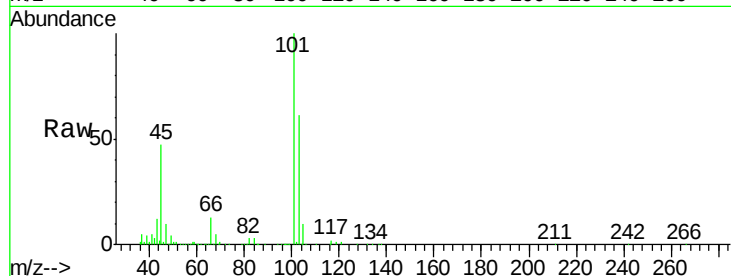
VSTDCCC010

Tgt Ion: 45 Resp: 787180

Ion Ratio Lower Upper

45 100

58 2.7 2.9 4.3#



#20

Methylene Chloride

Concen: 9.092 ppbv

RT: 4.34 min Scan# 484

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Tgt Ion: 84 Resp: 589739

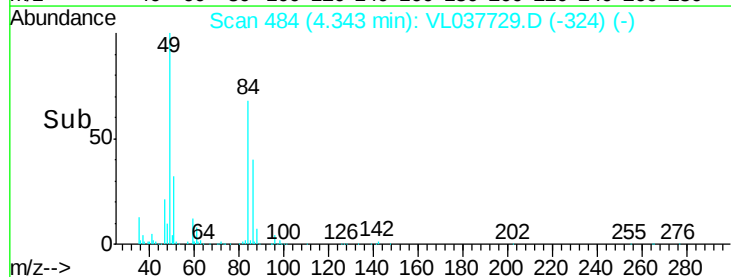
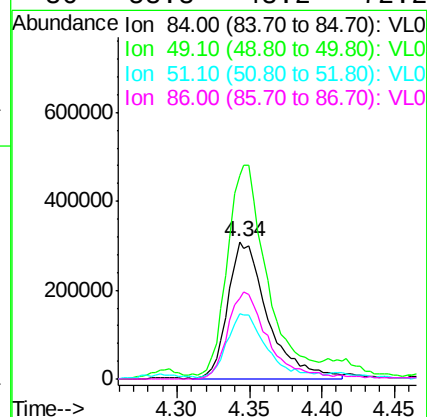
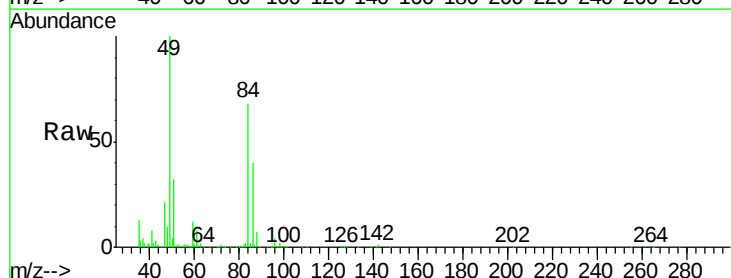
Ion Ratio Lower Upper

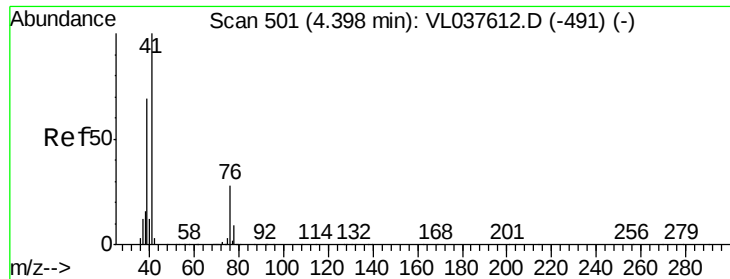
84 100

49 144.8 120.0 180.0

51 46.3 38.0 57.0

86 58.8 48.2 72.2

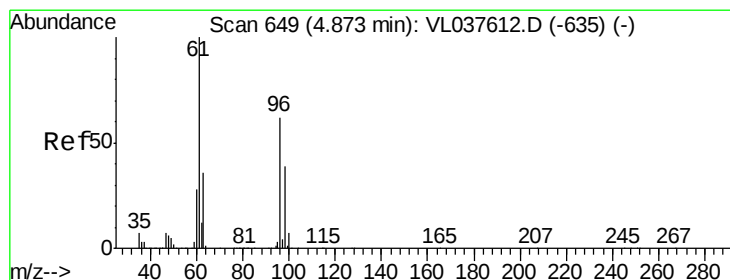
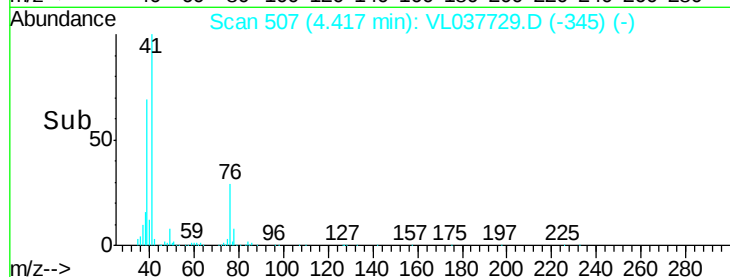
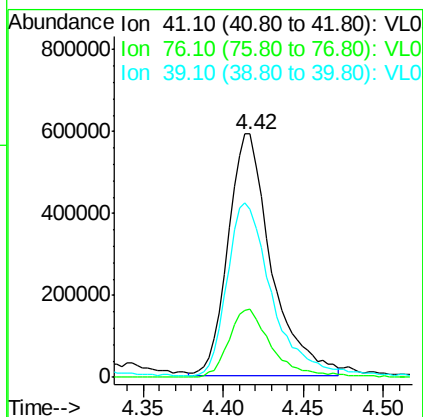
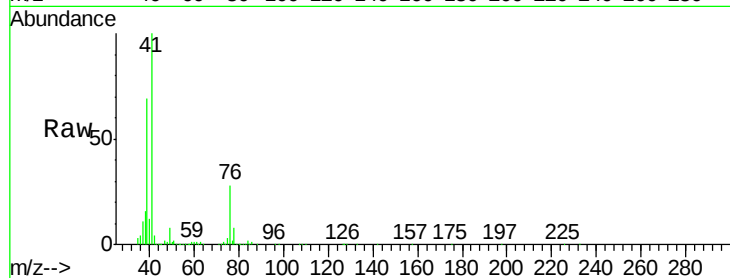




#21
 Allyl Chloride
 Concen: 10.751 ppbv
 RT: 4.42 min Scan# 507
 Delta R.T. 0.02 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

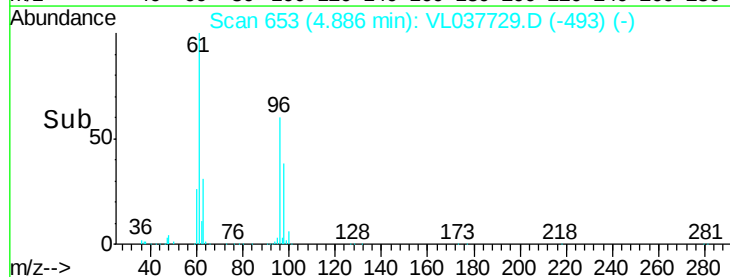
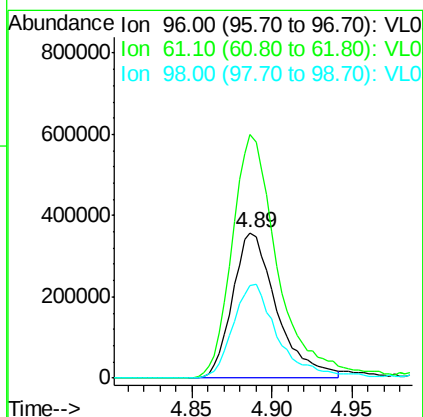
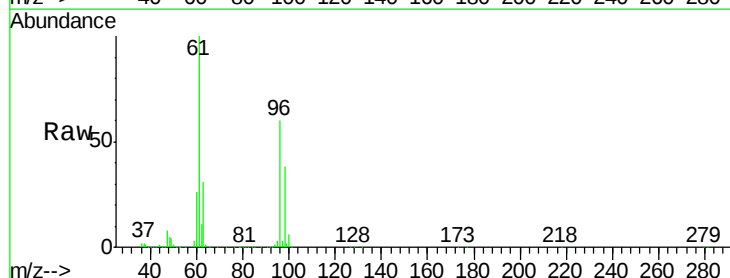
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

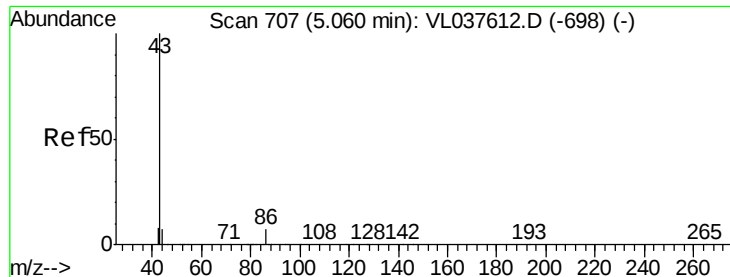
Tgt Ion: 41 Resp: 1091271
 Ion Ratio Lower Upper
 41 100
 76 28.3 23.1 34.7
 39 74.9 61.0 91.6



#22
 trans-1,2-Dichloroethene
 Concen: 10.277 ppbv
 RT: 4.89 min Scan# 653
 Delta R.T. 0.01 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

Tgt Ion: 96 Resp: 675438
 Ion Ratio Lower Upper
 96 100
 61 167.2 129.2 193.8
 98 63.7 50.4 75.6





#23

Vinyl Acetate

Concen: 10.514 ppbv

RT: 5.07 min Scan# 711

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 1976698

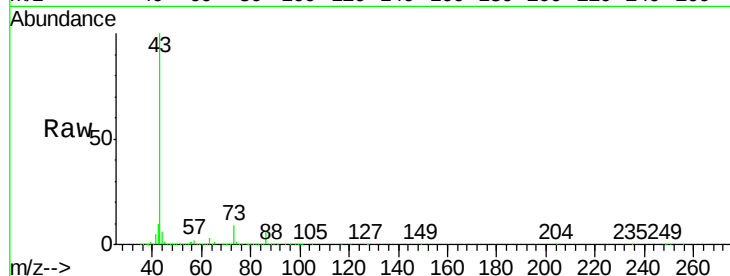
Ion	Ratio	Lower	Upper
43	100		
86	6.2	5.0	7.6
42	10.1	7.5	11.3
44	5.2	4.7	7.1

43 100

86 6.2 5.0 7.6

42 10.1 7.5 11.3

44 5.2 4.7 7.1



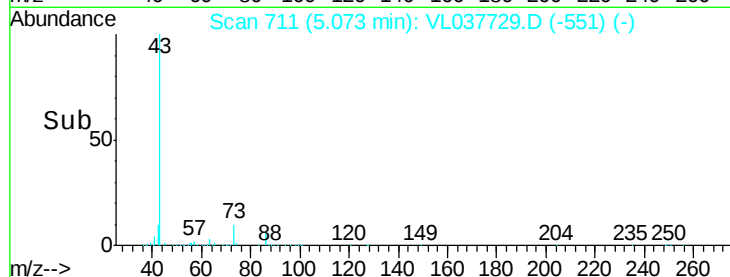
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

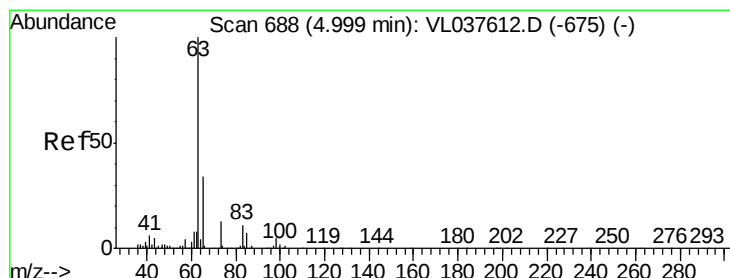
Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0

Time-->



Time-->



#24

1,1-Dichloroethane

Concen: 10.257 ppbv

RT: 5.01 min Scan# 692

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

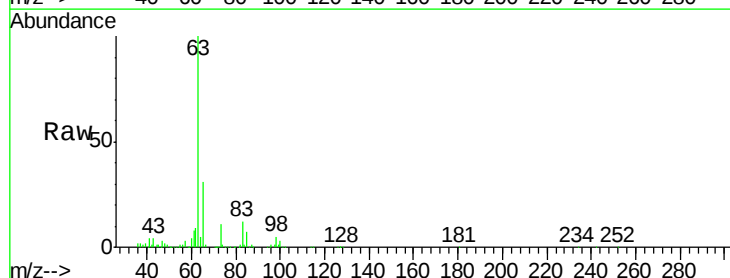
Tgt Ion: 63 Resp: 1381460

Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.4	7.2
100	2.5	1.1	3.5

63 100

98 4.1 2.4 7.2

100 2.5 1.1 3.5

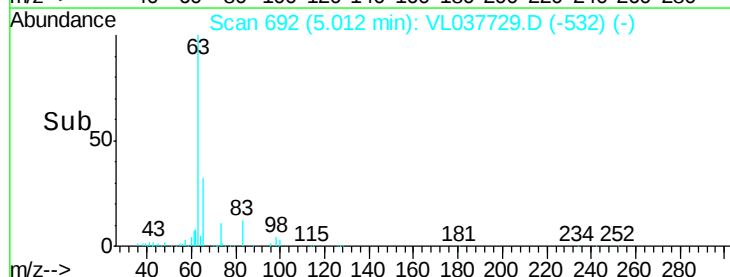


Abundance Ion 63.10 (62.80 to 63.80): VL0

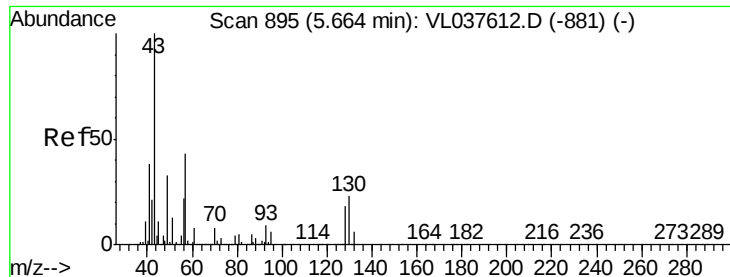
Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

Time-->



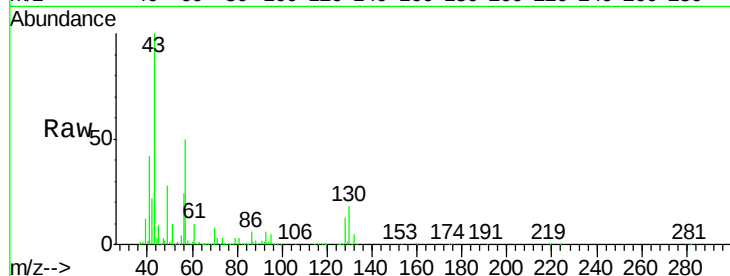
Time-->



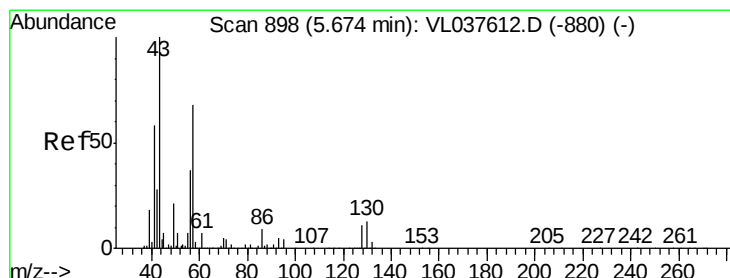
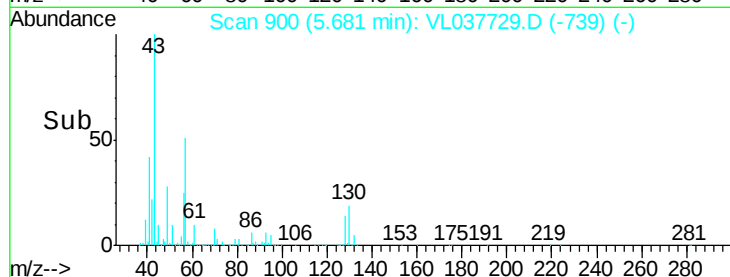
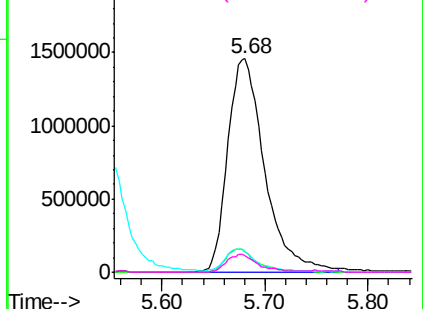
#25
Ethyl Acetate
Concen: 11.022 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 43 Resp: 3626855
Ion Ratio Lower Upper
43 100
45 9.8 8.0 12.0
61 10.1 7.5 11.3
70 8.1 5.6 8.4

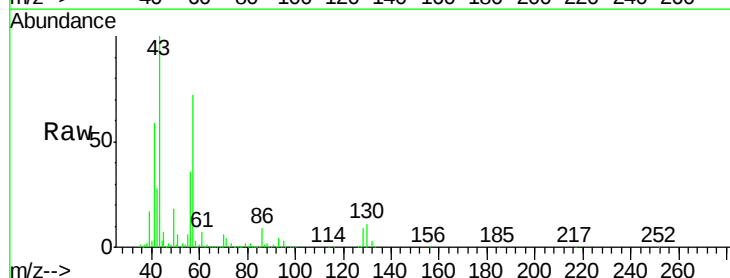


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

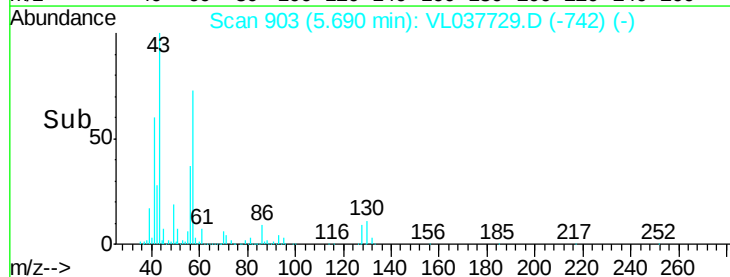
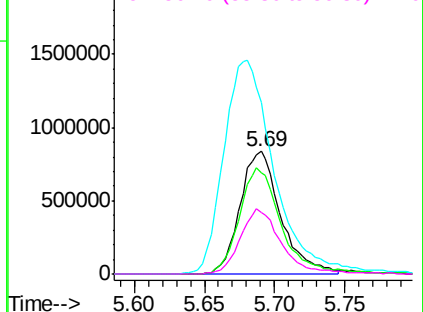


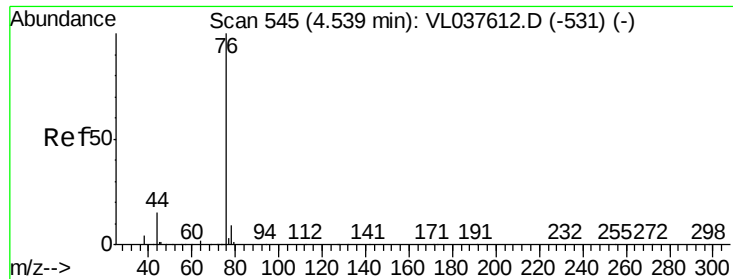
#26
Hexane
Concen: 10.880 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

Tgt Ion: 57 Resp: 1700676
Ion Ratio Lower Upper
57 100
41 90.1 70.9 106.3
43 215.5 170.4 255.6
56 53.9 42.6 64.0



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: 11.271 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

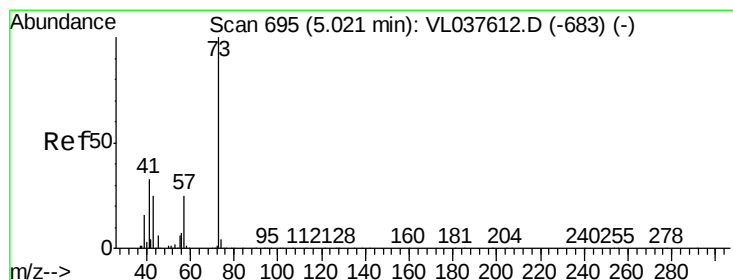
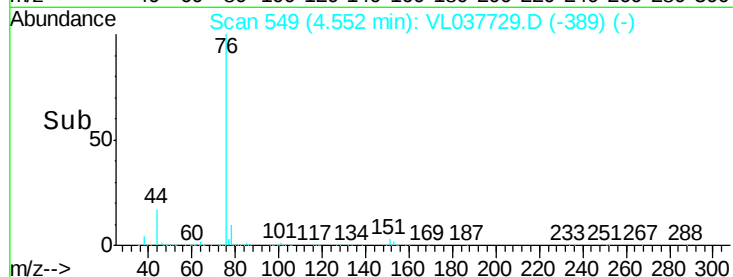
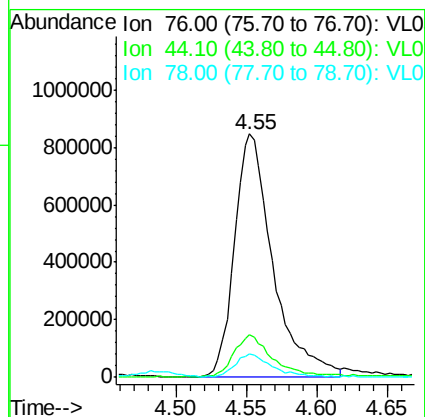
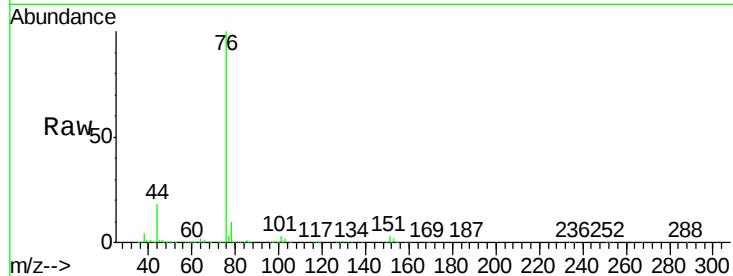
Tgt Ion: 76 Resp: 1611823

Ion Ratio Lower Upper

76 100

44 18.0 14.2 21.2

78 10.0 7.4 11.0



#28

Methyl tert-Butyl Ether

Concen: 10.580 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.01 min

Lab File: VL037729.D

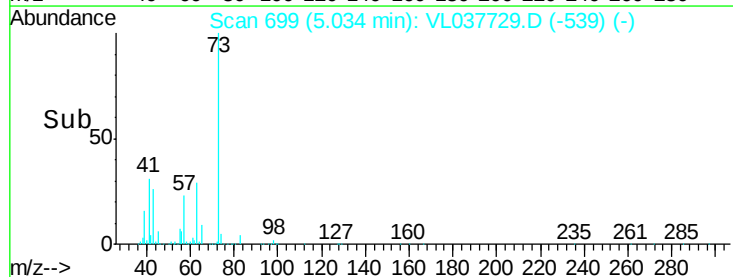
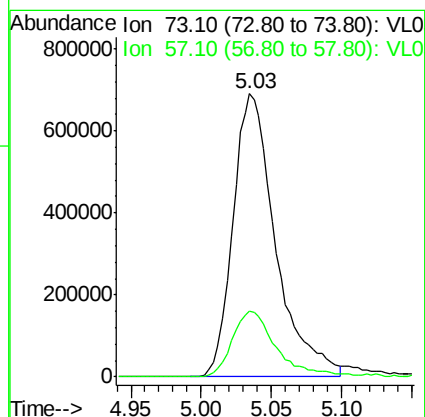
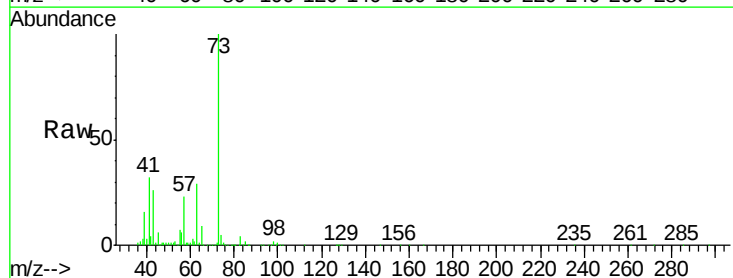
Acq: 29 Sep 2021 12:47

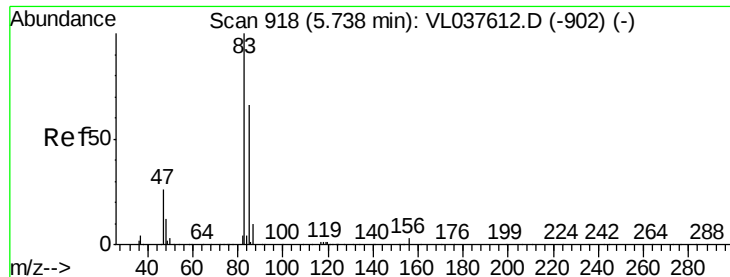
Tgt Ion: 73 Resp: 1456705

Ion Ratio Lower Upper

73 100

57 24.6 20.1 30.1

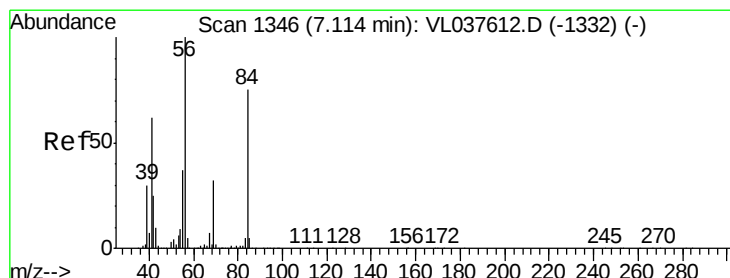
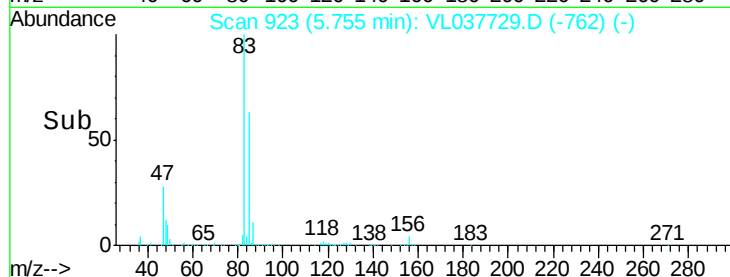
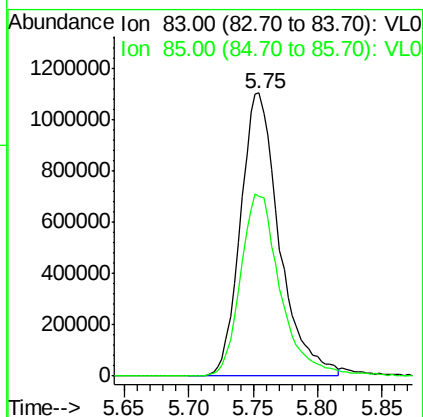
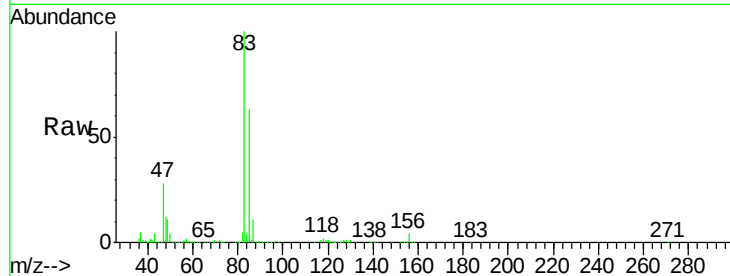




#29
Chloroform
Concen: 10.147 ppbv
RT: 5.75 min Scan# 923
Delta R.T. 0.02 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

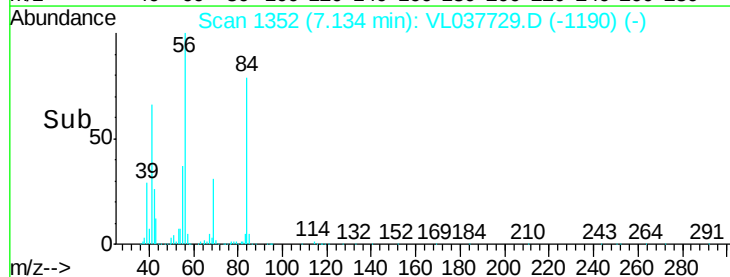
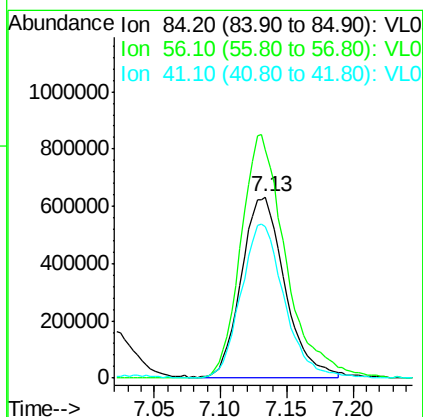
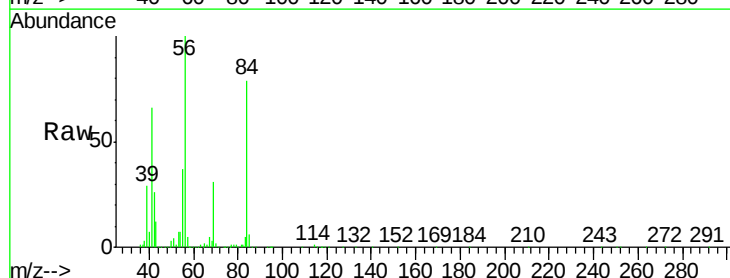
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

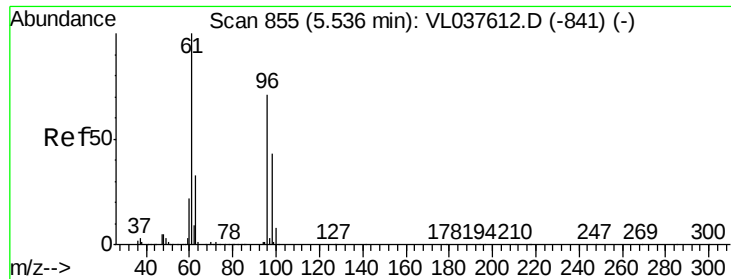
Tgt Ion: 83 Resp: 2316121
Ion Ratio Lower Upper
83 100
85 63.2 52.6 79.0



#30
Cyclohexane
Concen: 10.688 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.02 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

Tgt Ion: 84 Resp: 1428898
Ion Ratio Lower Upper
84 100
56 141.5 113.6 170.4
41 86.5 67.9 101.9



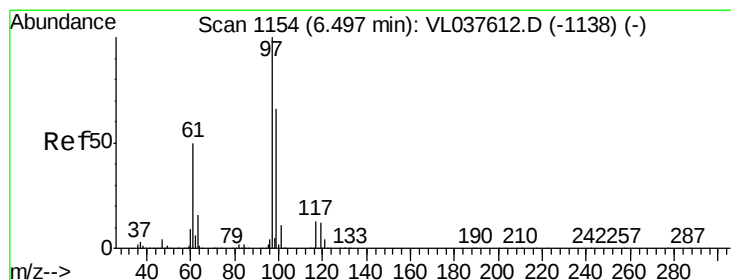
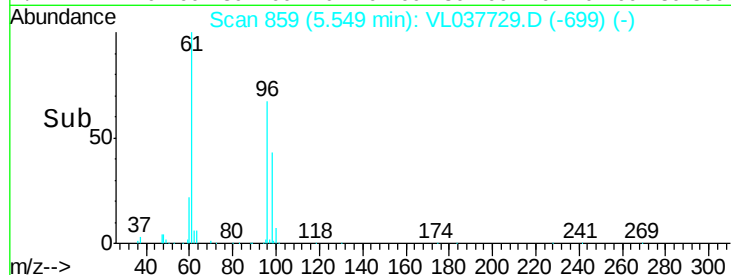
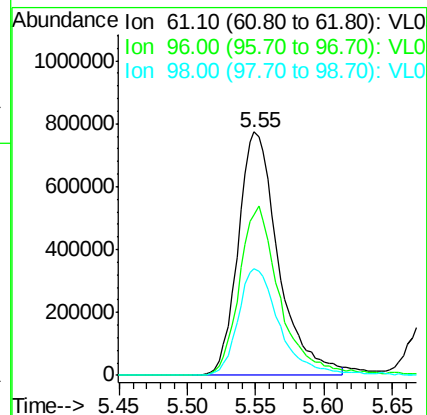
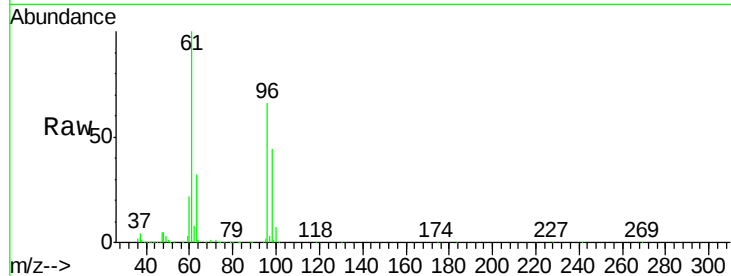


#31

cis-1,2-Dichloroethene
 Concen: 11.150 ppbv
 RT: 5.55 min Scan# 859
 Delta R.T. 0.01 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

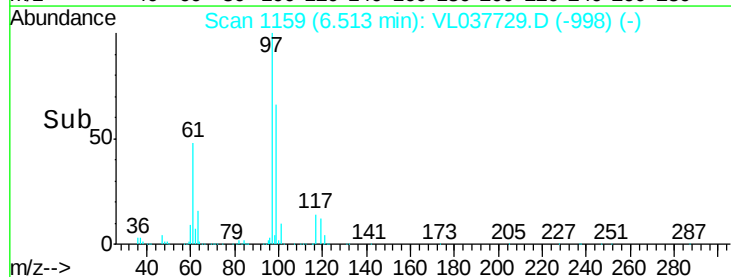
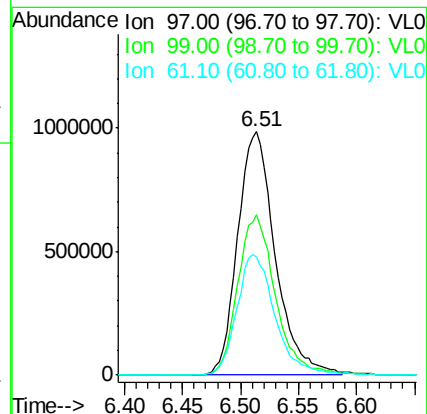
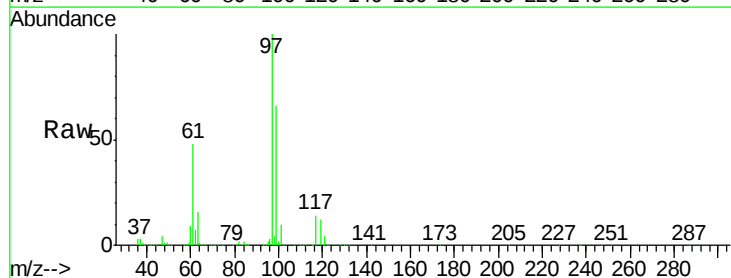
Tgt Ion: 61 Resp: 1582341
 Ion Ratio Lower Upper
 61 100
 96 65.9 56.7 85.1
 98 43.8 34.6 52.0

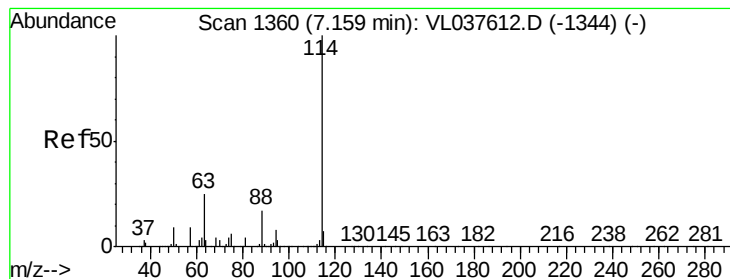


#32

1,1,1-Trichloroethane
 Concen: 10.469 ppbv
 RT: 6.51 min Scan# 1159
 Delta R.T. 0.02 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

Tgt Ion: 97 Resp: 2224734
 Ion Ratio Lower Upper
 97 100
 99 66.1 52.3 78.5
 61 50.0 39.5 59.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

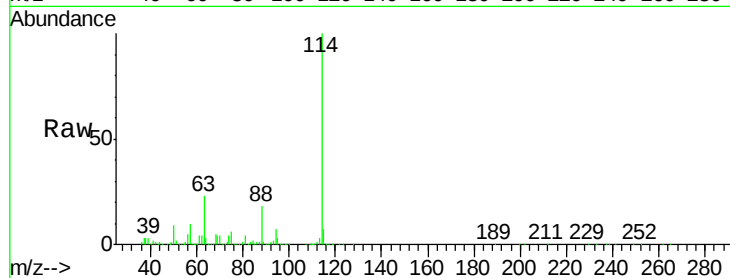
Tgt Ion:114 Resp: 3924644

Ion Ratio Lower Upper

114 100

63 23.5 19.6 29.4

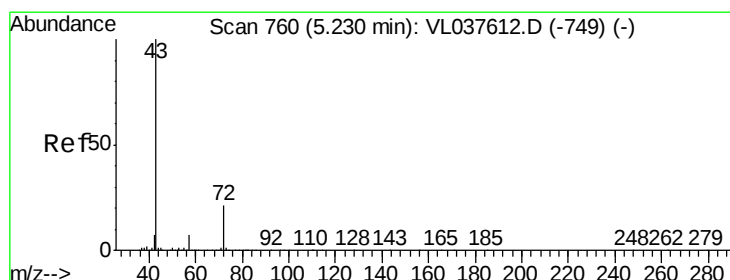
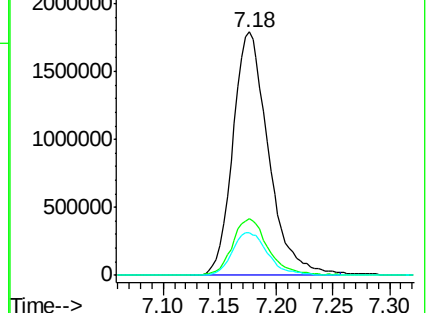
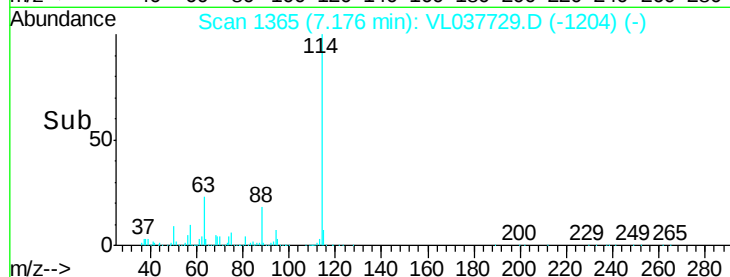
88 17.8 14.2 21.4



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: 9.910 ppbv

RT: 5.25 min Scan# 765

Delta R.T. 0.02 min

Lab File: VL037729.D

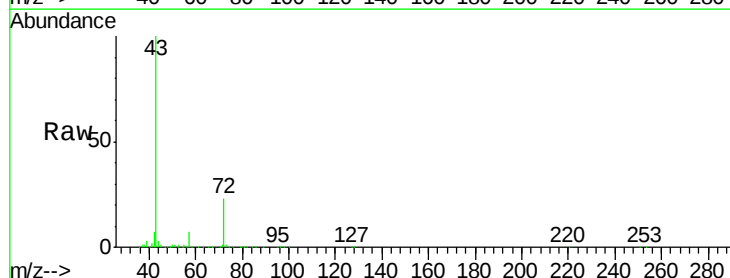
Acq: 29 Sep 2021 12:47

Tgt Ion: 43 Resp: 1580514

Ion Ratio Lower Upper

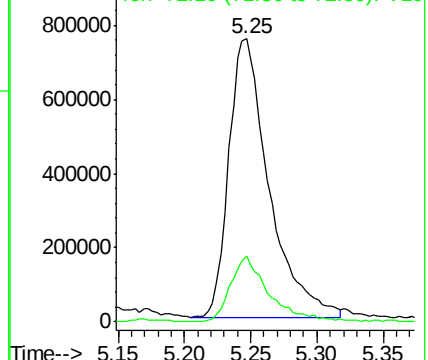
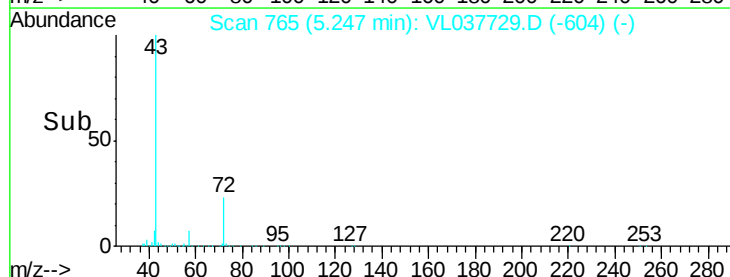
43 100

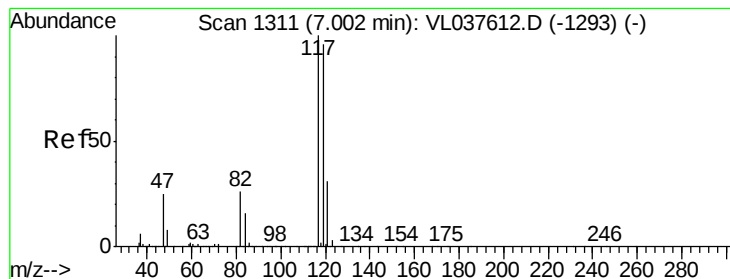
72 22.3 18.4 27.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 10.338 ppbv

RT: 7.02 min Scan# 1316

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

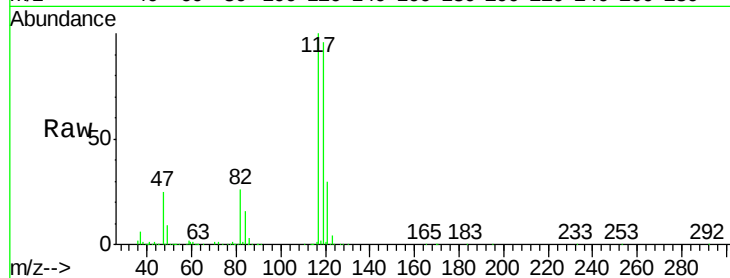
Tgt Ion:117 Resp: 2295126

Ion Ratio Lower Upper

117 100

119 96.1 77.0 115.6

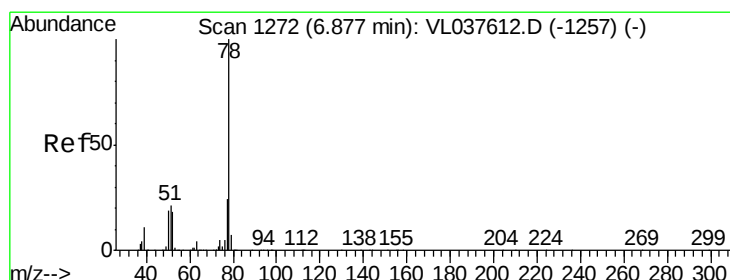
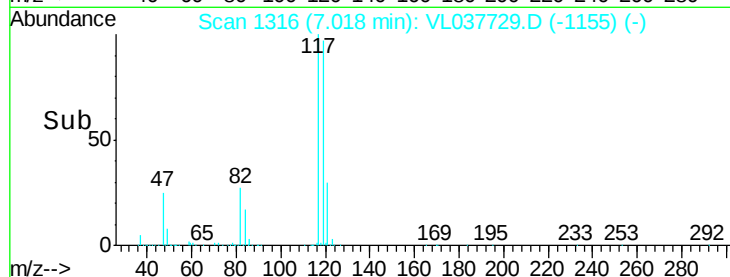
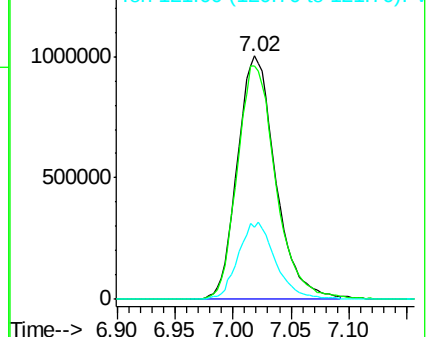
121 29.8 24.5 36.7



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: 10.774 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

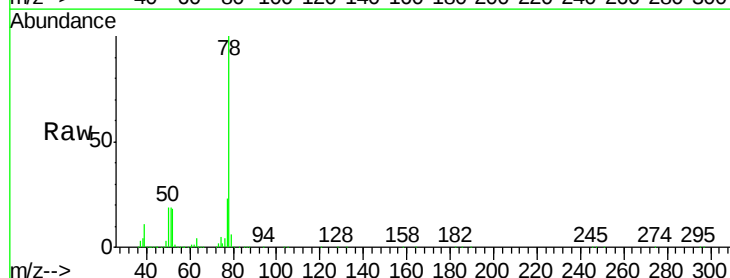
Tgt Ion: 78 Resp: 3526008

Ion Ratio Lower Upper

78 100

77 22.9 19.0 28.4

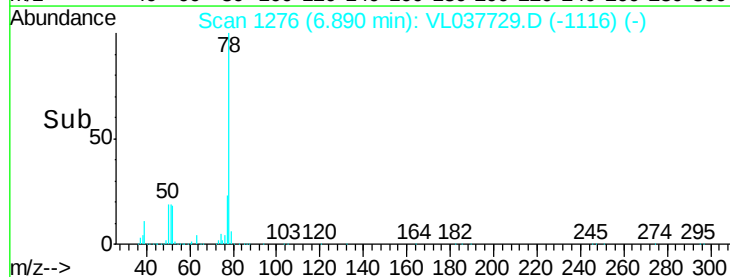
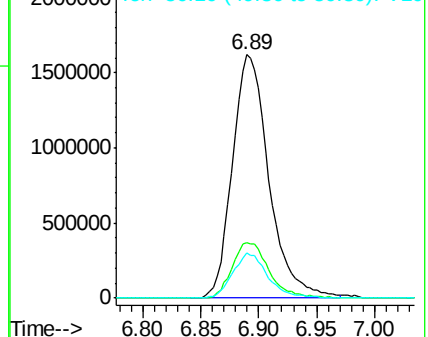
50 18.6 14.8 22.2

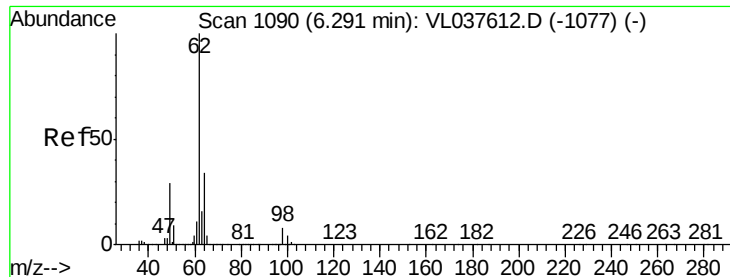


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

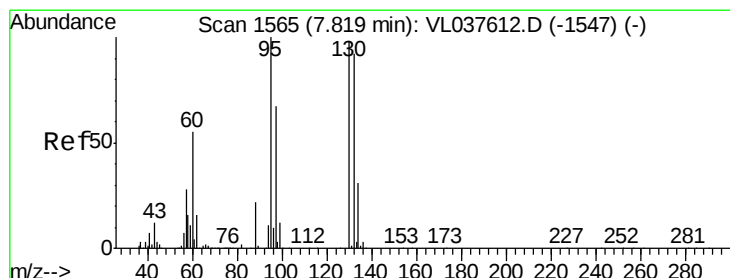
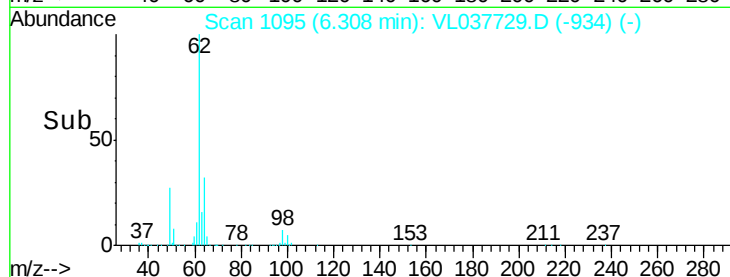
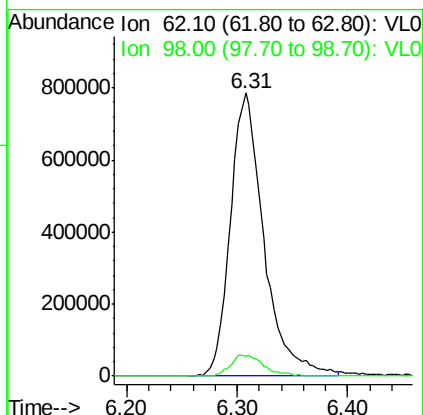
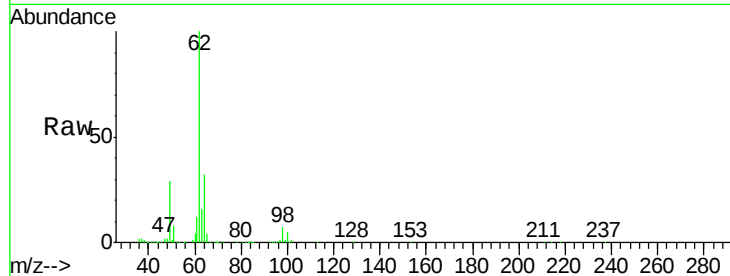




#37
 1,2-Dichloroethane
 Concen: 10.305 ppbv
 RT: 6.31 min Scan# 1095
 Delta R.T. 0.02 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

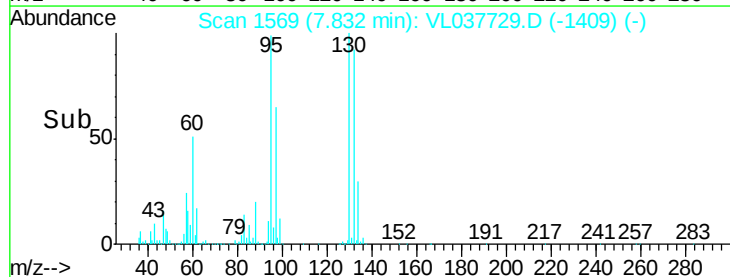
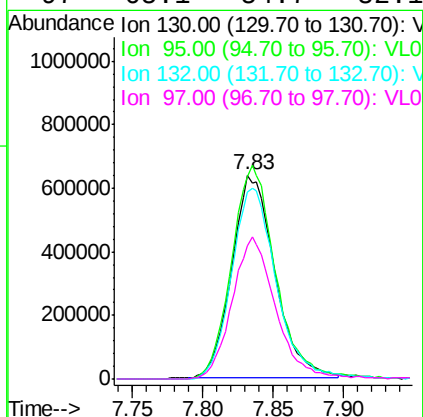
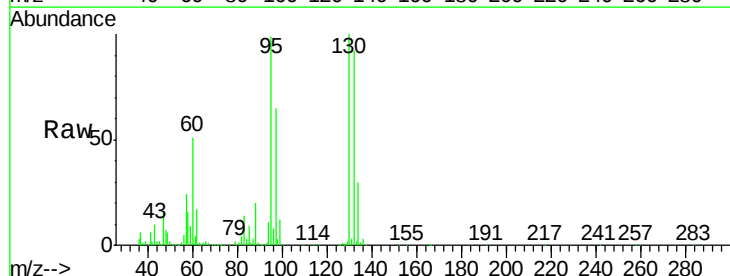
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

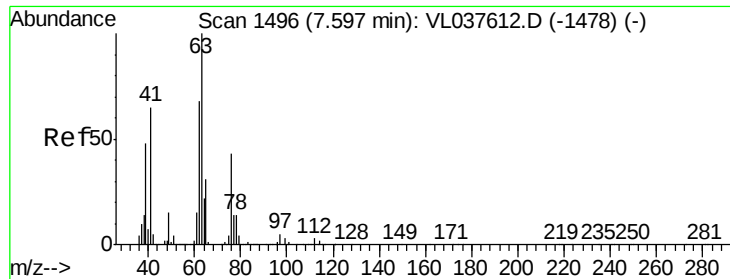
Tgt Ion: 62 Resp: 1658580
 Ion Ratio Lower Upper
 62 100
 98 7.6 6.1 9.1



#38
 Trichloroethene
 Concen: 9.944 ppbv
 RT: 7.83 min Scan# 1569
 Delta R.T. 0.01 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

Tgt Ion: 130 Resp: 1359348
 Ion Ratio Lower Upper
 130 100
 95 99.4 81.8 122.6
 132 92.2 75.3 112.9
 97 65.1 54.7 82.1





#39

1,2-Dichloropropane

Concen: 10.900 ppbv

RT: 7.61 min Scan# 1501

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

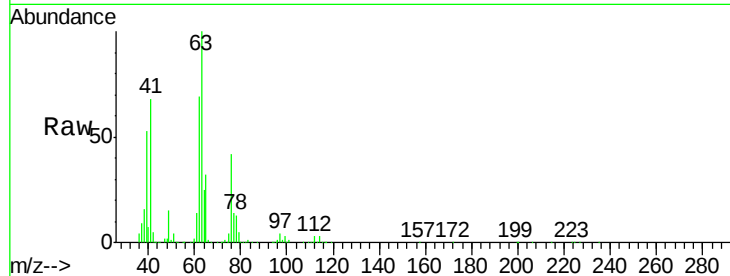
Tgt Ion: 63 Resp: 1366273

Ion Ratio Lower Upper

63 100

41 67.7 51.6 77.4

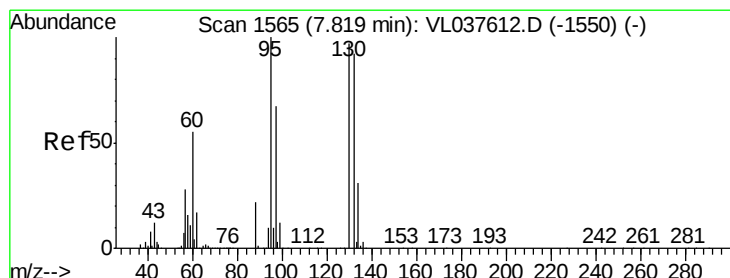
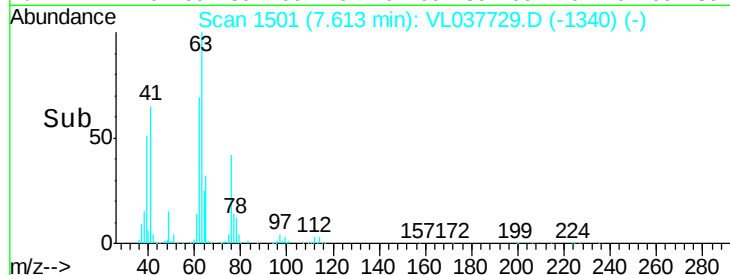
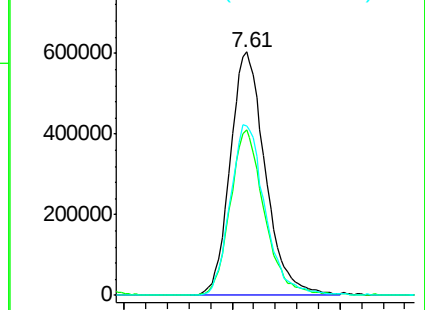
62 69.3 54.6 81.8



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: 10.755 ppbv

RT: 7.83 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Tgt Ion: 88 Resp: 327914

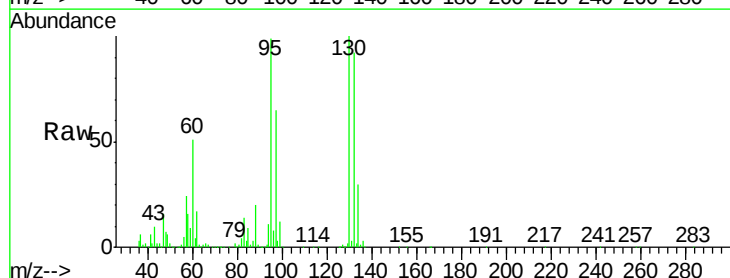
Ion Ratio Lower Upper

88 100

58 0.0 122.4 183.6#

43 0.0 297.4 446.0#

57 0.0 1329.8 1994.8#

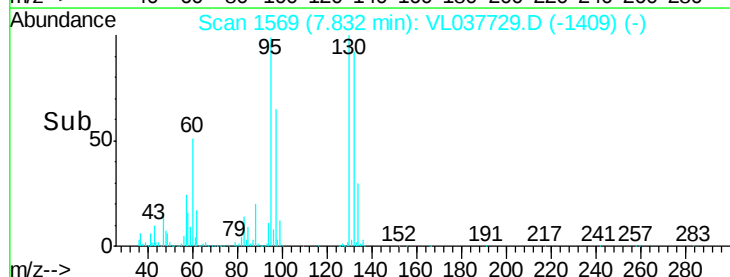
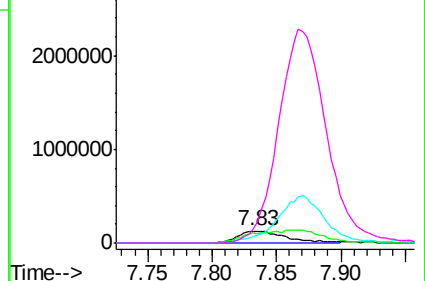


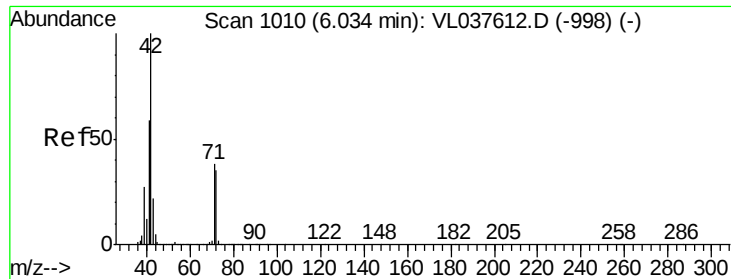
Abundance Ion 88.10 (87.80 to 88.80): VL0

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

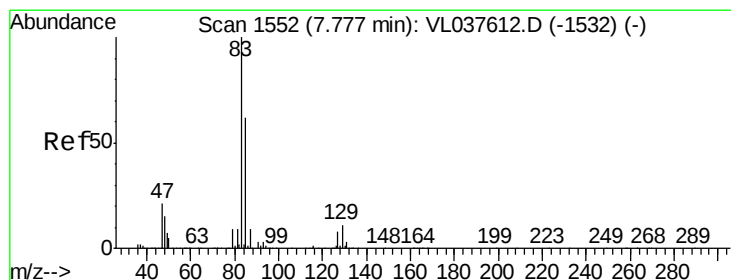
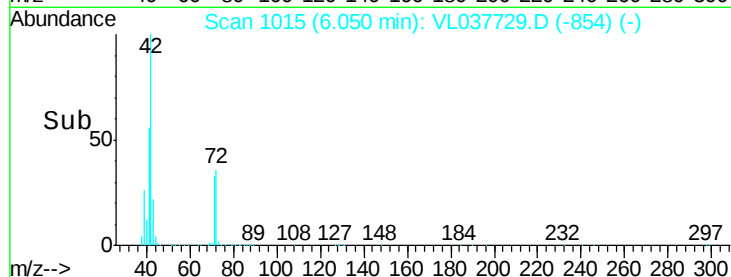
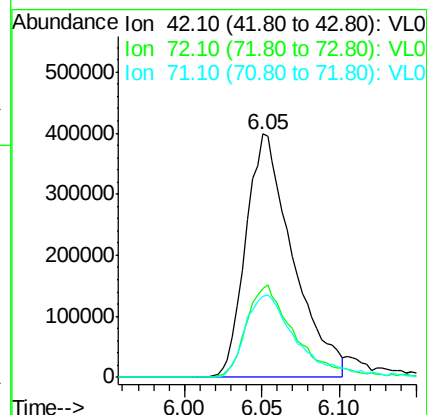
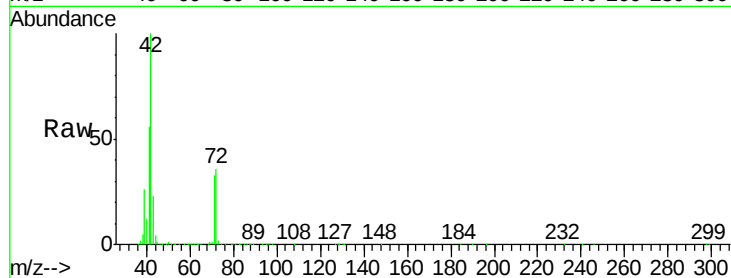




#41
Tetrahydrofuran
Concen: 11.228 ppbv
RT: 6.05 min Scan# 1015
Delta R.T. 0.02 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

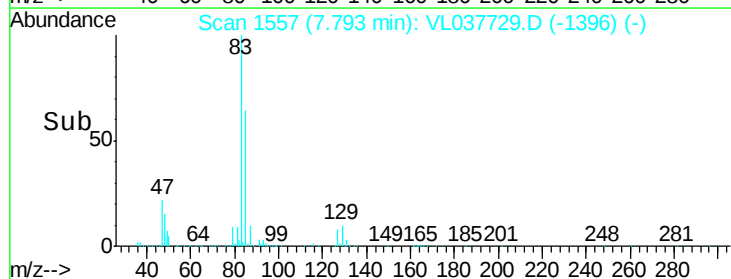
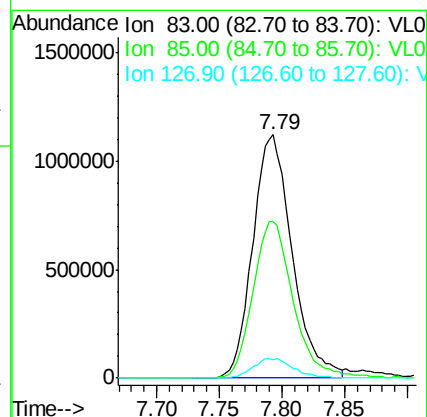
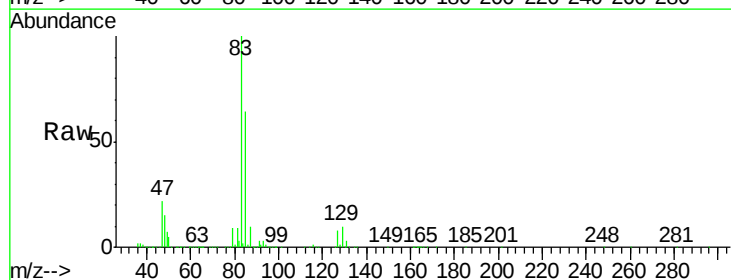
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

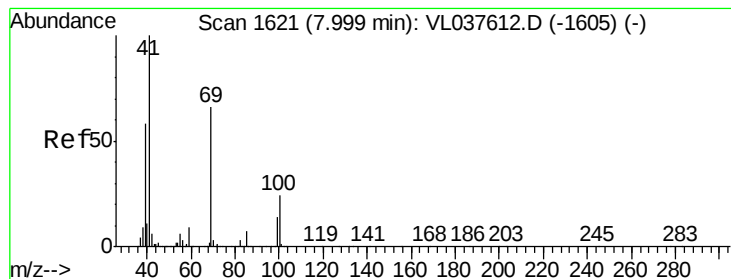
Tgt Ion: 42 Resp: 841802
Ion Ratio Lower Upper
42 100
72 40.1 31.4 47.2
71 37.8 30.6 46.0



#42
Bromodichloromethane
Concen: 10.648 ppbv
RT: 7.79 min Scan# 1557
Delta R.T. 0.02 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

Tgt Ion: 83 Resp: 2456393
Ion Ratio Lower Upper
83 100
85 64.3 49.8 74.6
127 7.6 6.4 9.6





#43

Methyl Methacrylate

Concen: 11.759 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

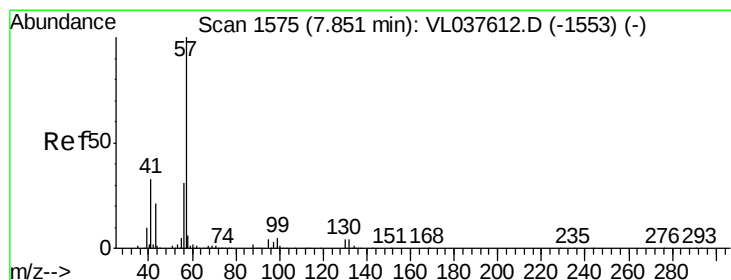
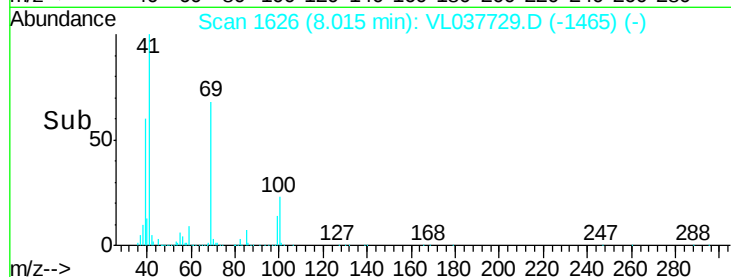
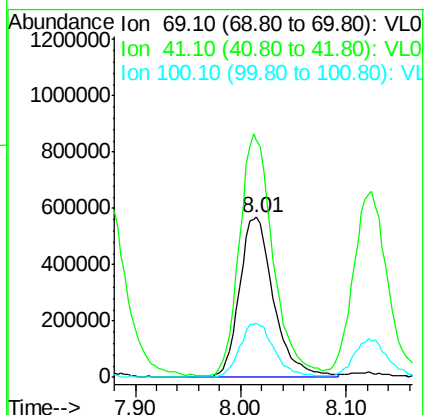
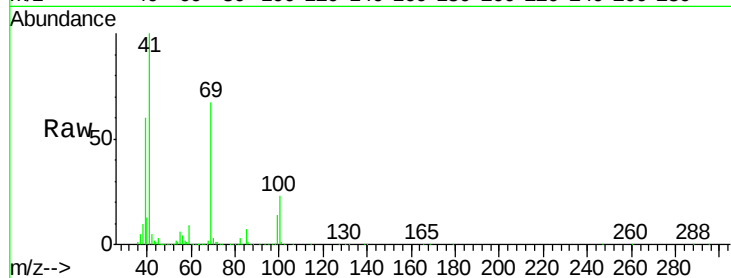
Tgt Ion: 69 Resp: 1280238

Ion Ratio Lower Upper

69 100

41 150.2 119.0 178.4

100 34.4 27.6 41.4



#44

2,2,4-Trimethylpentane

Concen: 10.715 ppbv

RT: 7.87 min Scan# 1580

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

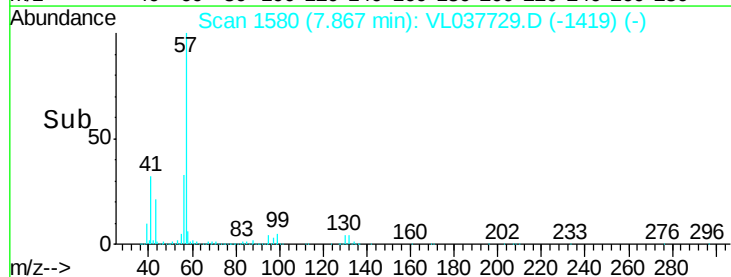
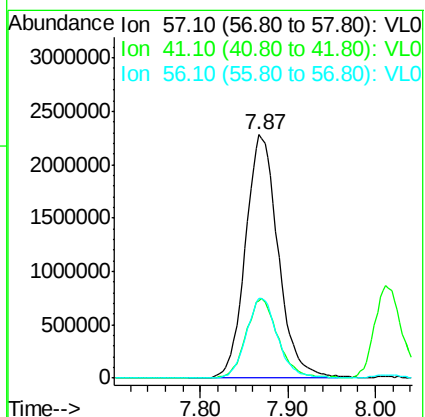
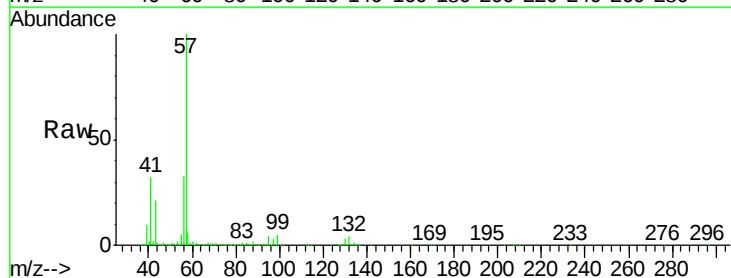
Tgt Ion: 57 Resp: 5895084

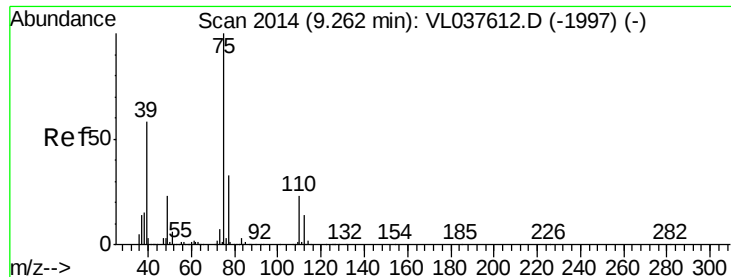
Ion Ratio Lower Upper

57 100

41 31.8 26.1 39.1

56 31.7 25.7 38.5





#45

t-1,3-Dichloropropene

Concen: 11.375 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

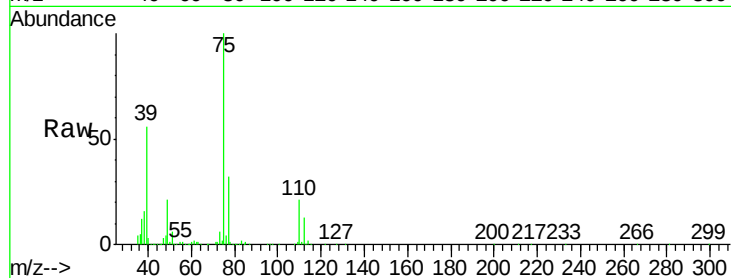
VSTDCCC010

Tgt Ion: 75 Resp: 972741

Ion Ratio Lower Upper

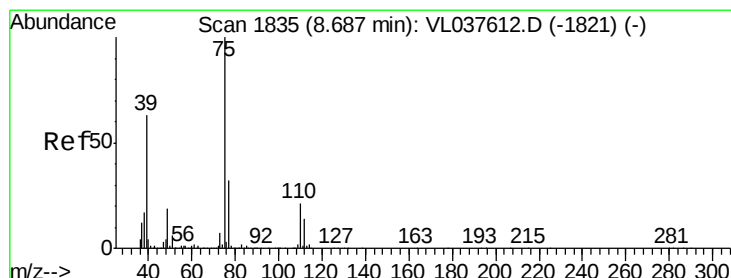
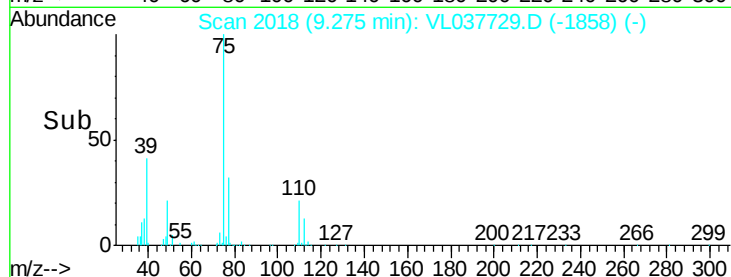
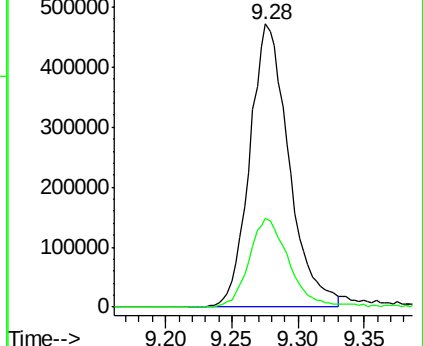
75 100

77 31.5 26.3 39.5



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: 11.215 ppbv

RT: 8.70 min Scan# 1840

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

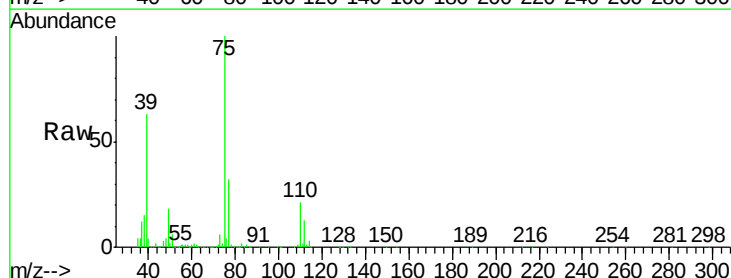
Tgt Ion: 75 Resp: 1295584

Ion Ratio Lower Upper

75 100

39 63.0 50.2 75.4

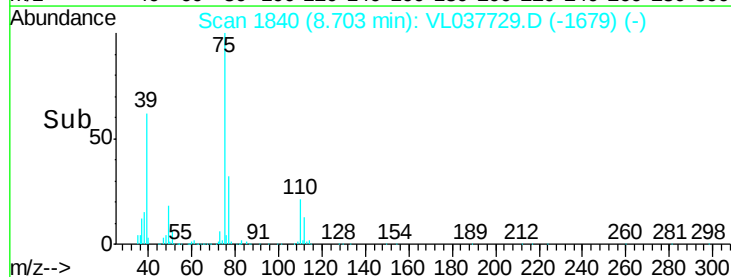
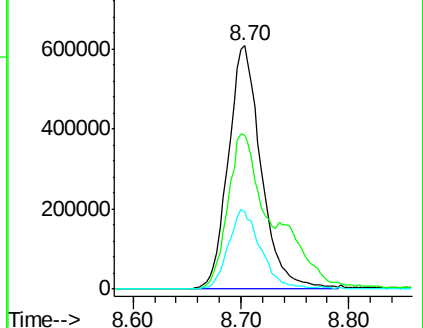
77 31.6 25.2 37.8

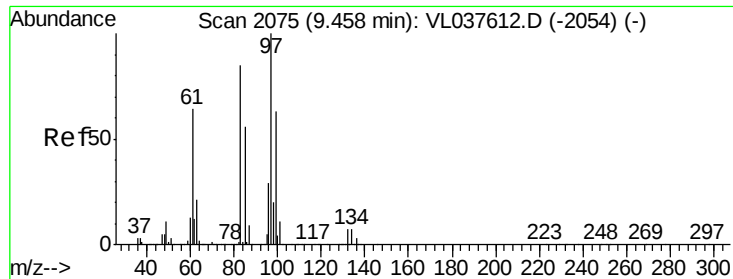


Abundance Ion 75.00 (74.70 to 75.70): VL0

Ion 39.00 (38.70 to 39.70): VL0

Ion 77.00 (76.70 to 77.70): VL0

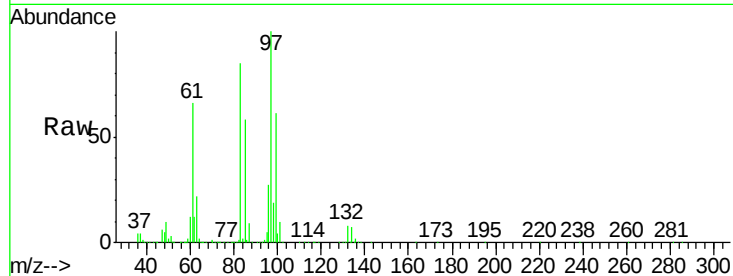




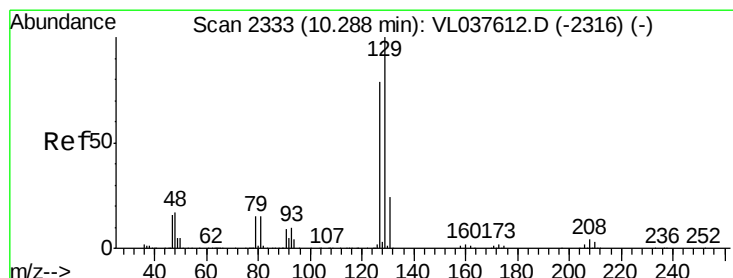
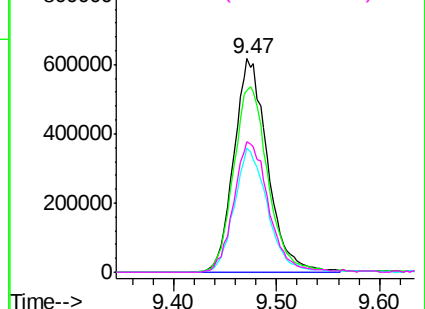
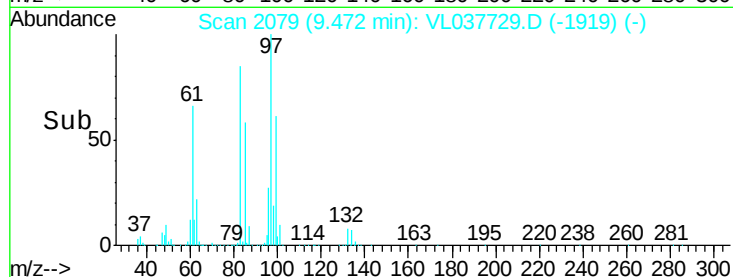
#47
 1,1,2-Trichloroethane
 Concen: 10.104 ppbv
 RT: 9.47 min Scan# 2079
 Delta R.T. 0.01 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 97 Resp: 1401001
 Ion Ratio Lower Upper
 97 100
 83 85.4 67.9 101.9
 85 57.9 44.8 67.2
 99 61.4 50.1 75.1

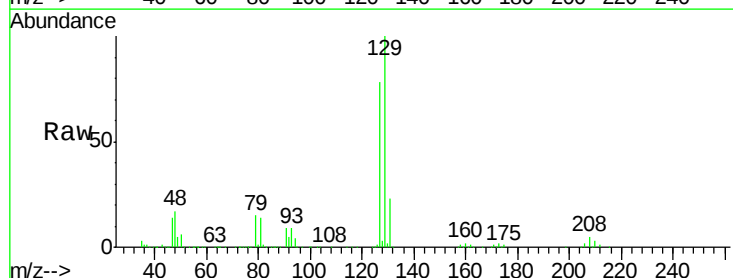


Abundance Ion 97.00 (96.70 to 97.70): VL0
 Ion 83.00 (82.70 to 83.70): VL0
 Ion 85.00 (84.70 to 85.70): VL0
 Ion 99.00 (98.70 to 99.70): VL0

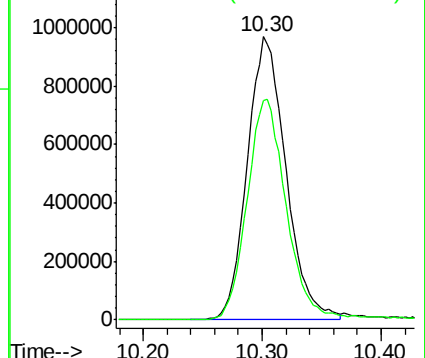
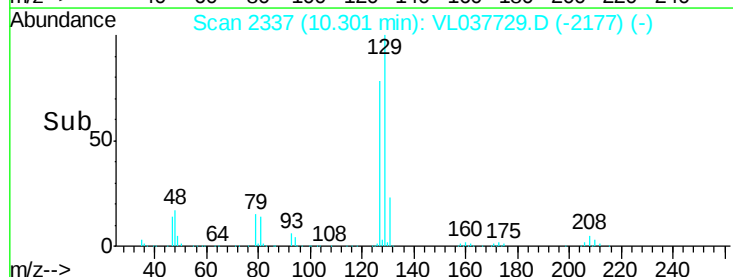


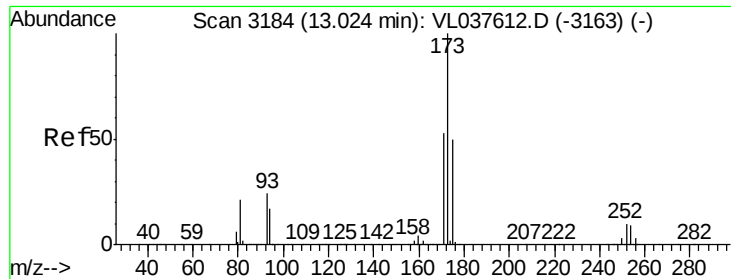
#48
 Dibromochloromethane
 Concen: 11.261 ppbv
 RT: 10.30 min Scan# 2337
 Delta R.T. 0.01 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

Tgt Ion: 129 Resp: 2178377
 Ion Ratio Lower Upper
 129 100
 127 79.9 39.3 117.8



Abundance Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 11.305 ppbv

RT: 13.03 min Scan# 3187

Delta R.T. 0.01 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

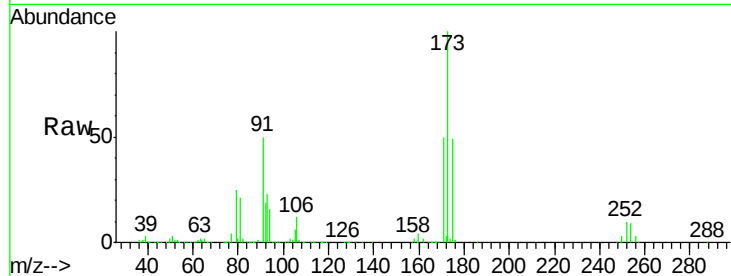
Tgt Ion: 173 Resp: 1750224

Ion Ratio Lower Upper

173 100

175 52.4 39.8 59.8

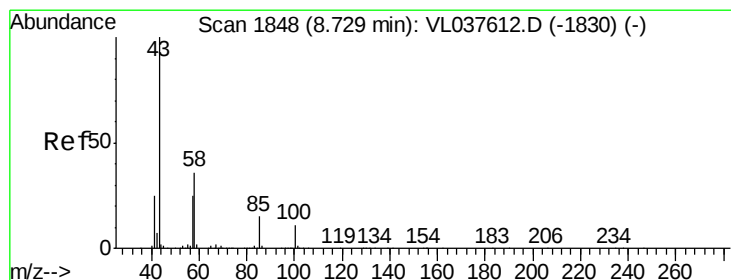
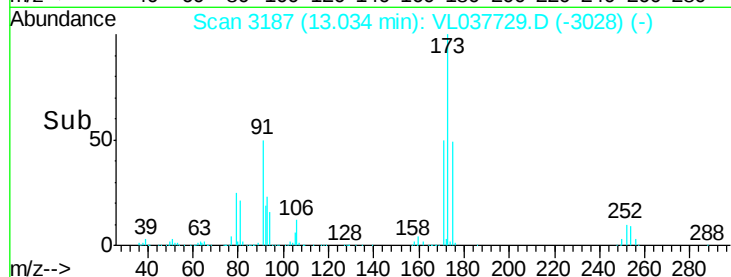
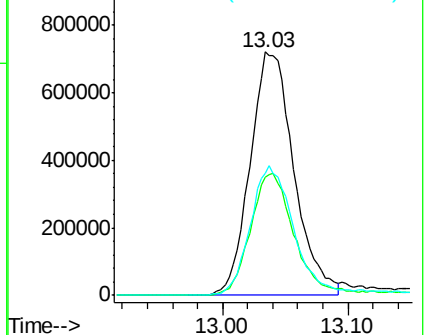
171 55.8 42.2 63.4



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: 11.597 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. 0.02 min

Lab File: VL037729.D

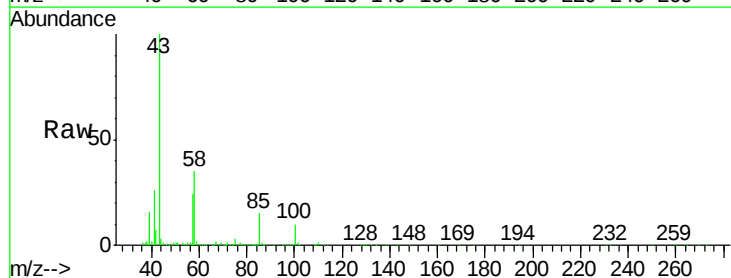
Acq: 29 Sep 2021 12:47

Tgt Ion: 43 Resp: 2347637

Ion Ratio Lower Upper

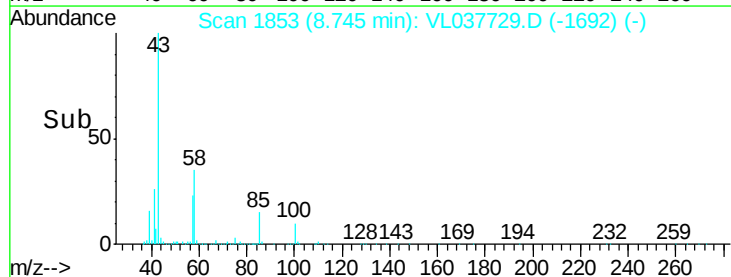
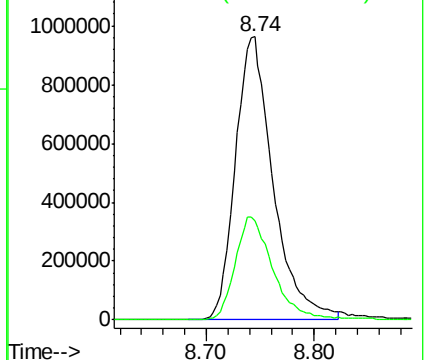
43 100

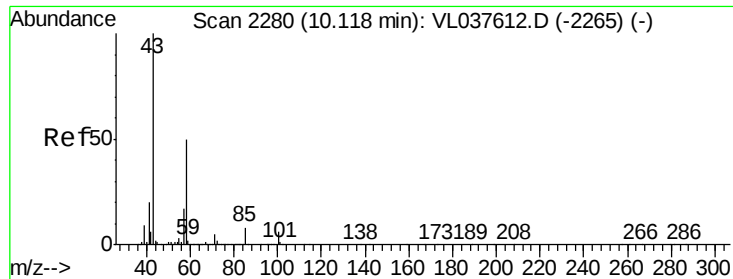
58 36.8 29.4 44.2



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

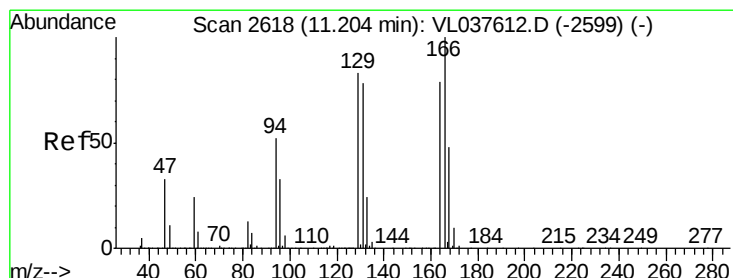
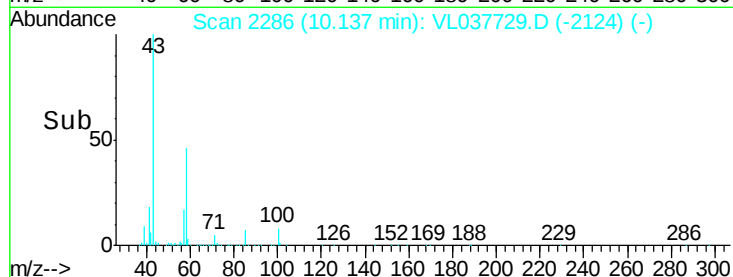
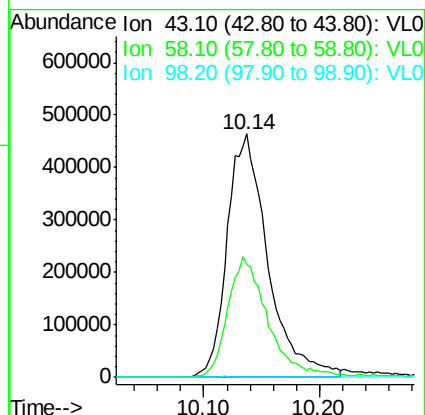
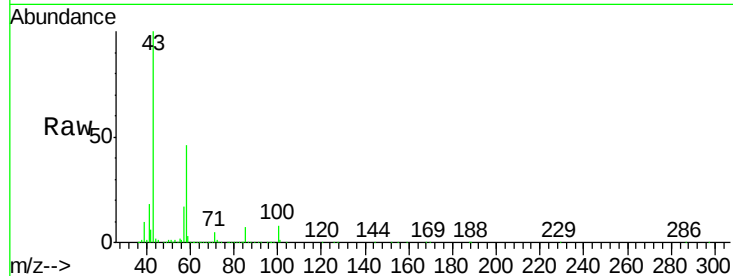




#51
2-Hexanone
Concen: 12.633 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. 0.02 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

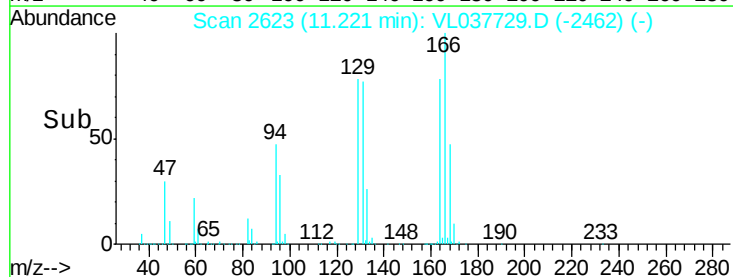
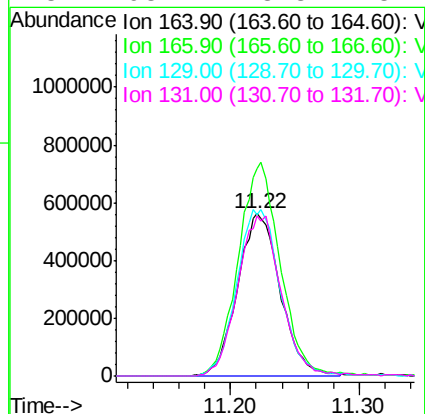
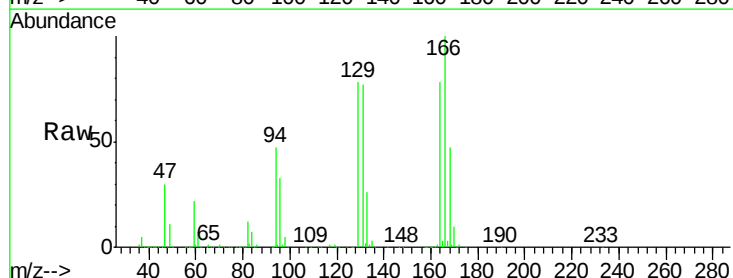
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

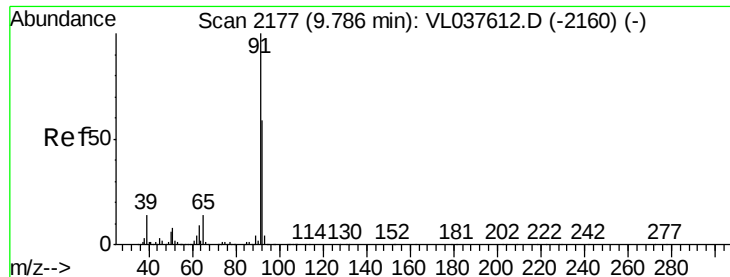
Tgt Ion: 43 Resp: 1128314
Ion Ratio Lower Upper
43 100
58 49.8 39.3 58.9
98 0.4 0.4 0.6#



#52
Tetrachloroethene
Concen: 10.283 ppbv
RT: 11.22 min Scan# 2623
Delta R.T. 0.02 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

Tgt Ion: 164 Resp: 1291876
Ion Ratio Lower Upper
164 100
166 127.6 101.2 151.8
129 99.3 84.0 126.0
131 98.7 78.8 118.2





#53

Toluene

Concen: 11.198 ppbv

RT: 9.81 min Scan# 2183

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

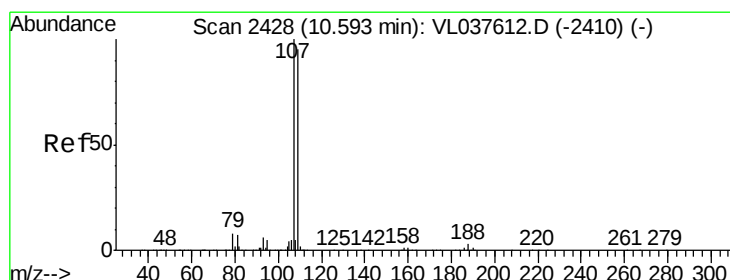
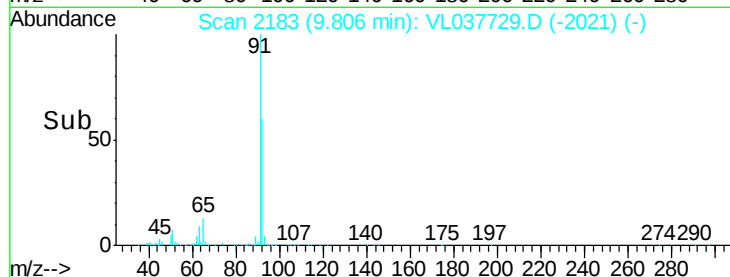
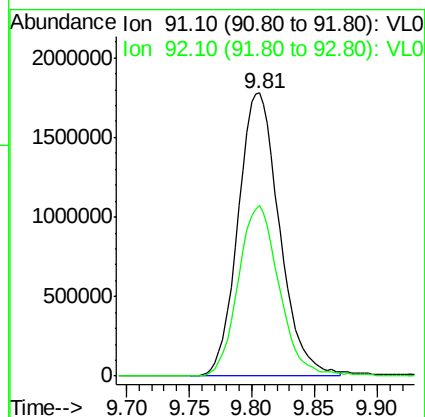
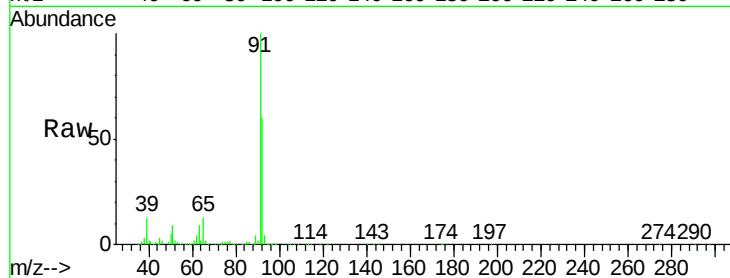
VSTDCCC010

Tgt Ion: 91 Resp: 4073600

Ion Ratio Lower Upper

91 100

92 60.2 48.9 73.3



#54

1,2-Dibromoethane

Concen: 10.378 ppbv

RT: 10.61 min Scan# 2433

Delta R.T. 0.02 min

Lab File: VL037729.D

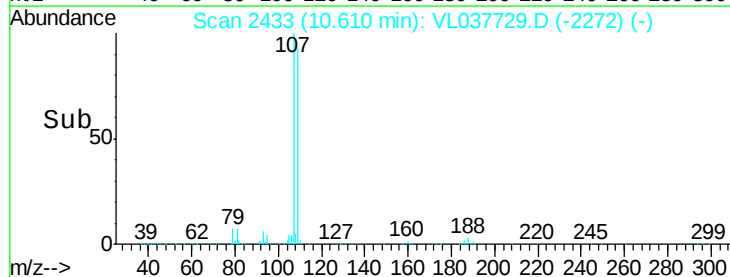
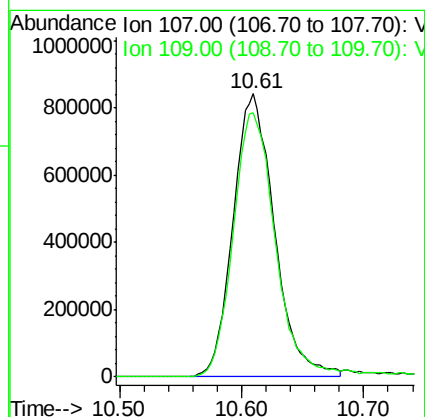
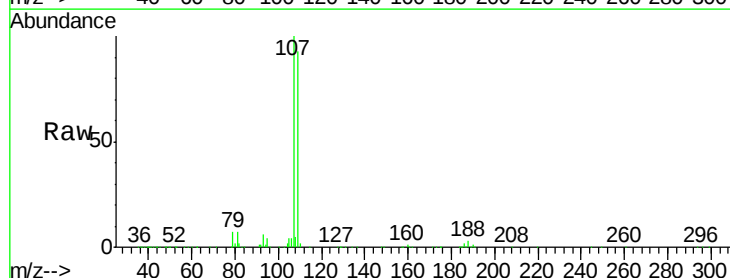
Acq: 29 Sep 2021 12:47

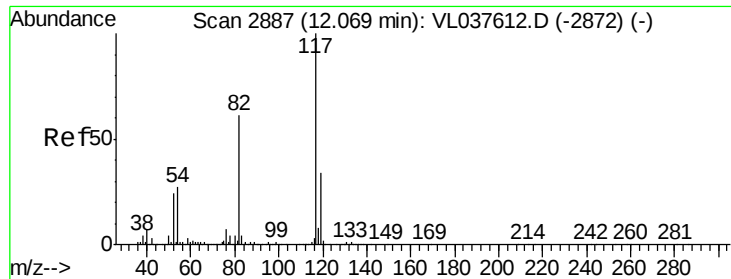
Tgt Ion: 107 Resp: 1970436

Ion Ratio Lower Upper

107 100

109 93.3 76.0 114.0

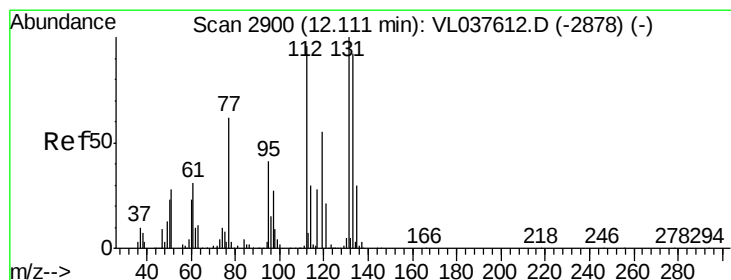
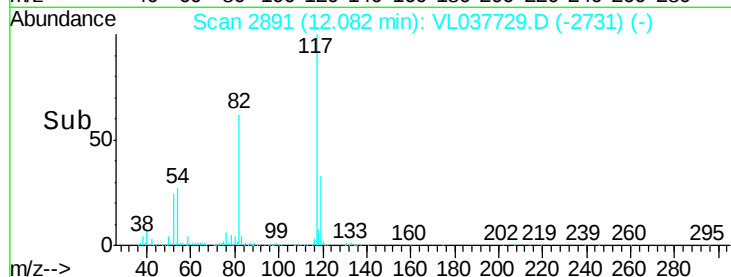
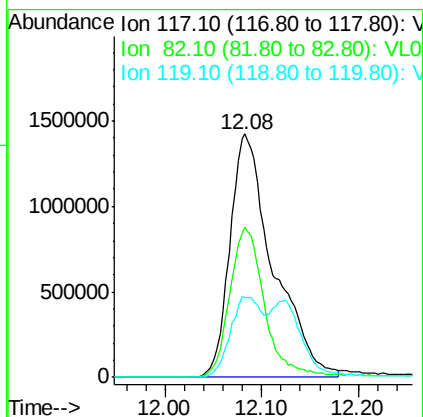
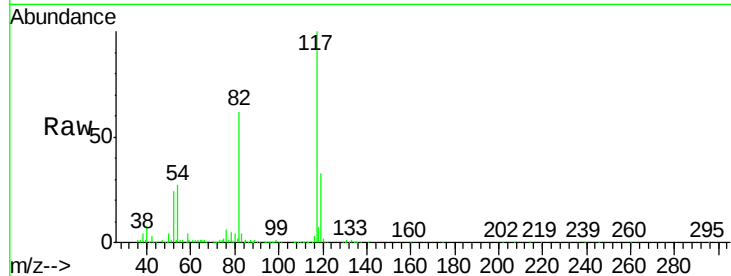




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.01 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

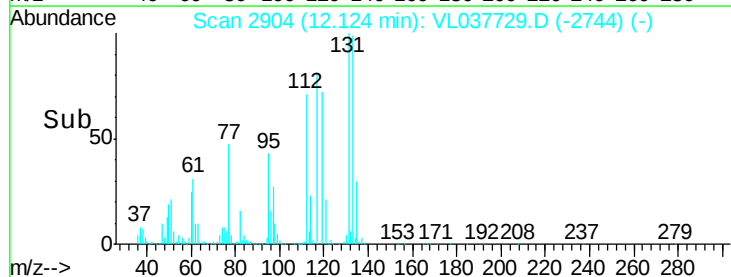
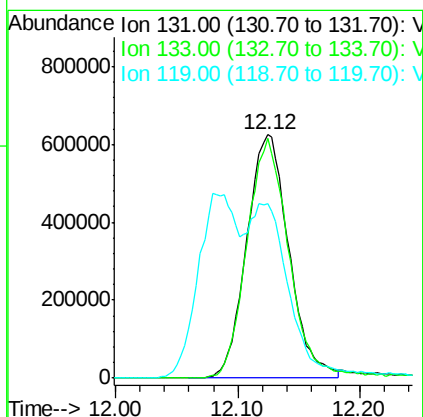
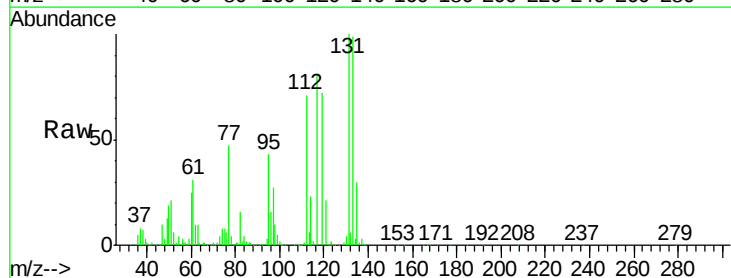
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

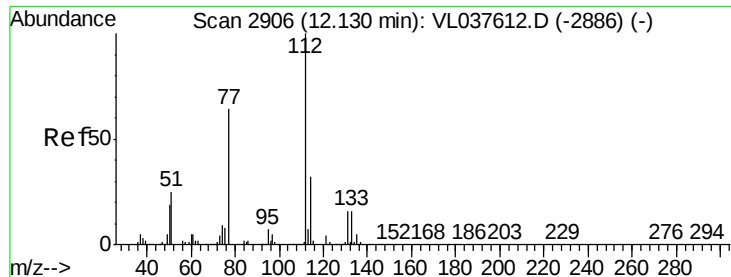
Tgt Ion:117 Resp: 4425747
Ion Ratio Lower Upper
117 100
82 51.3 50.6 75.8
119 26.5 26.2 39.2



#56
1,1,1,2-Tetrachloroethane
Concen: 8.103 ppbv
RT: 12.12 min Scan# 2904
Delta R.T. 0.01 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

Tgt Ion:131 Resp: 1487485
Ion Ratio Lower Upper
131 100
133 98.8 76.8 115.2
119 71.8 47.8 71.8#

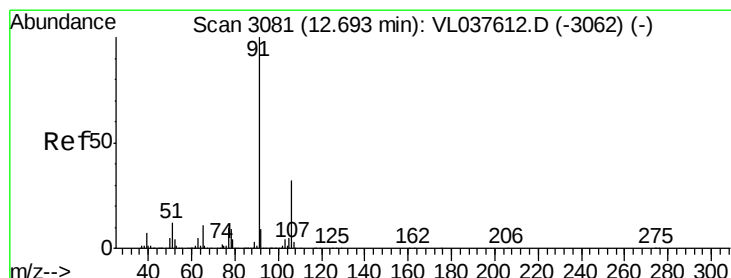
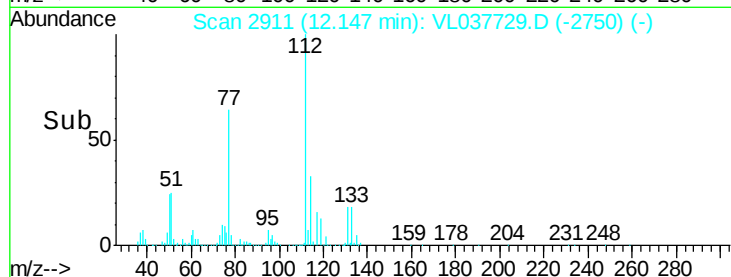
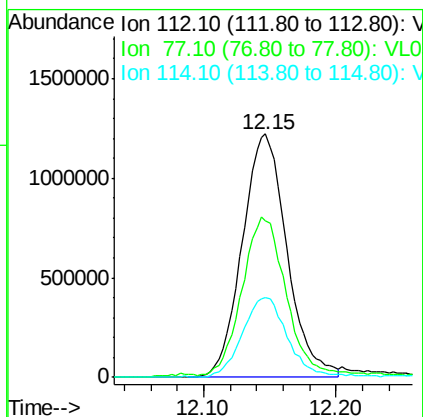
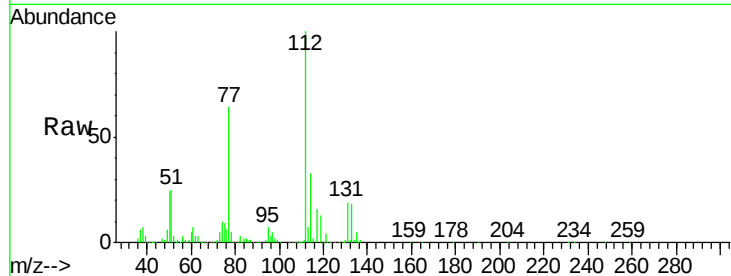




#57
Chlorobenzene
Concen: 7.788 ppbv
RT: 12.15 min Scan# 2911
Delta R.T. 0.02 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

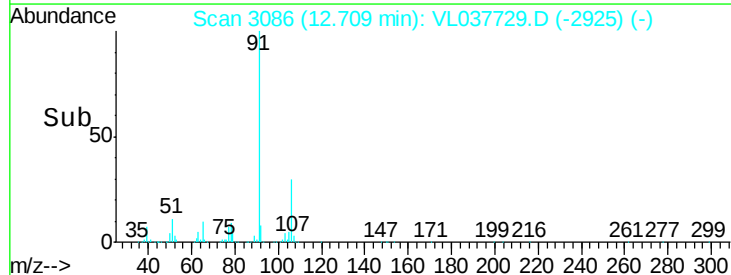
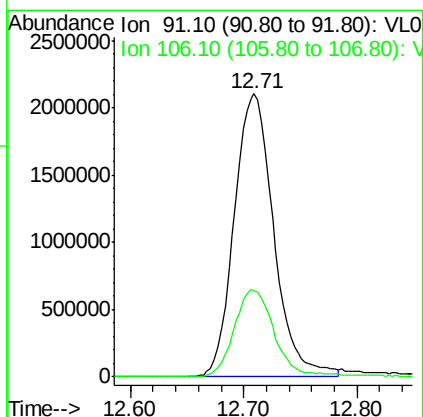
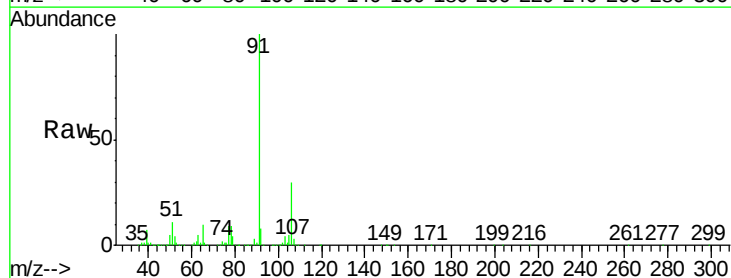
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

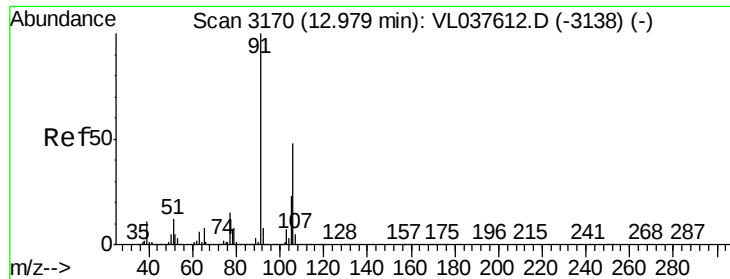
Tgt Ion: 112 Resp: 2865379
Ion Ratio Lower Upper
112 100
77 63.1 52.1 78.1
114 32.5 29.2 35.6



#58
Ethyl Benzene
Concen: 8.721 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. 0.02 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

Tgt Ion: 91 Resp: 5123584
Ion Ratio Lower Upper
91 100
106 30.5 25.3 37.9

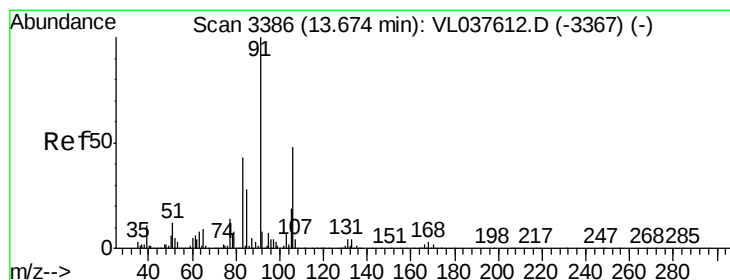
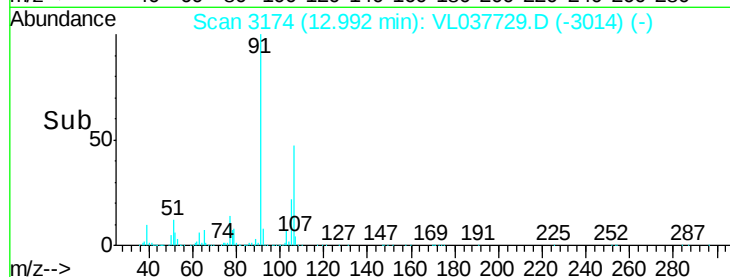
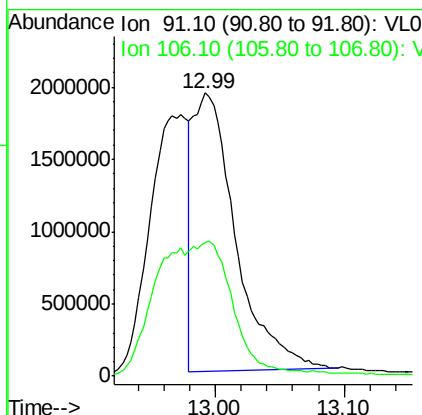
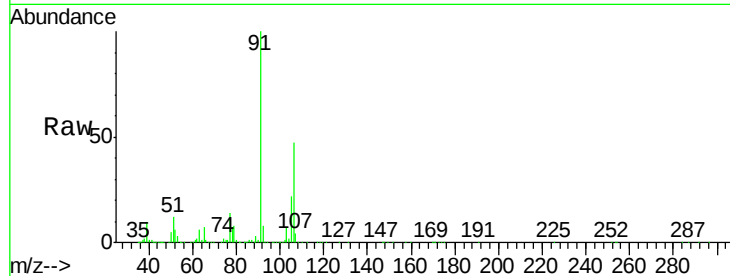




#59
m/p-Xylene
Concen: 8.603 ppbv
RT: 12.99 min Scan# 3174
Delta R.T. 0.01 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

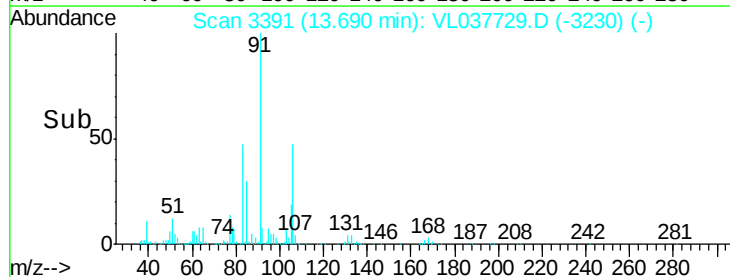
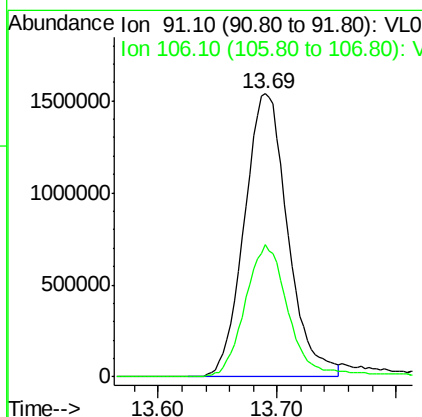
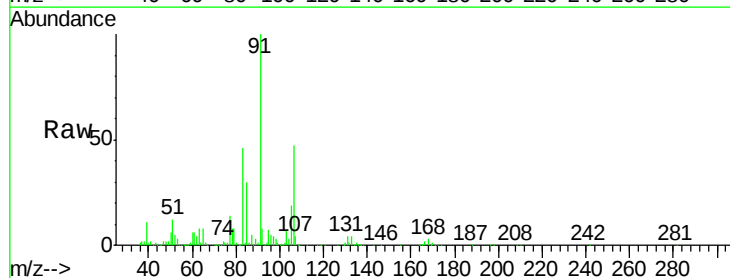
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

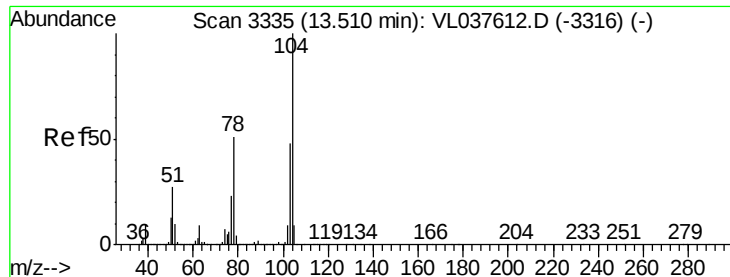
Tgt Ion: 91 Resp: 4404254
Ion Ratio Lower Upper
91 100
106 90.1 36.6 55.0#



#60
o-Xylene
Concen: 7.983 ppbv
RT: 13.69 min Scan# 3391
Delta R.T. 0.02 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

Tgt Ion: 91 Resp: 3890258
Ion Ratio Lower Upper
91 100
106 48.0 23.0 69.0





#61

Styrene

Concen: 9.182 ppbv

RT: 13.53 min Scan# 3340

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

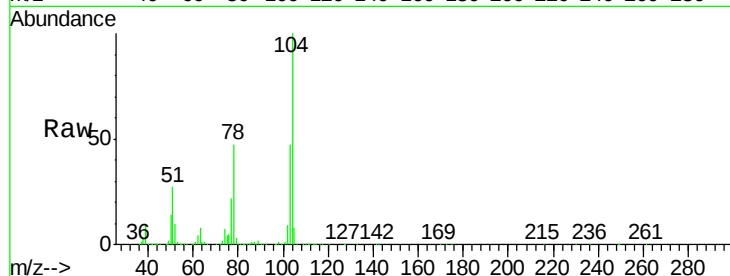
Tgt Ion:104 Resp: 2206324

Ion Ratio Lower Upper

104 100

78 51.2 39.7 59.5

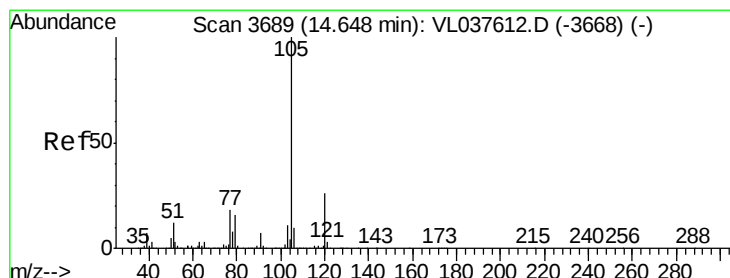
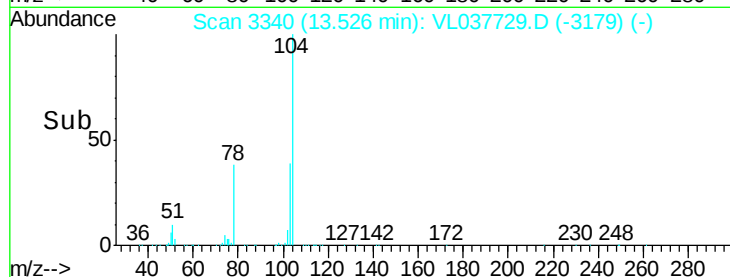
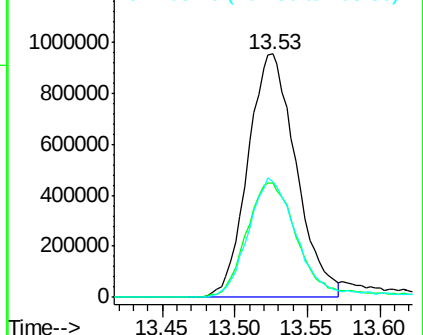
103 50.7 38.8 58.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): V

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 8.213 ppbv

RT: 14.66 min Scan# 3694

Delta R.T. 0.02 min

Lab File: VL037729.D

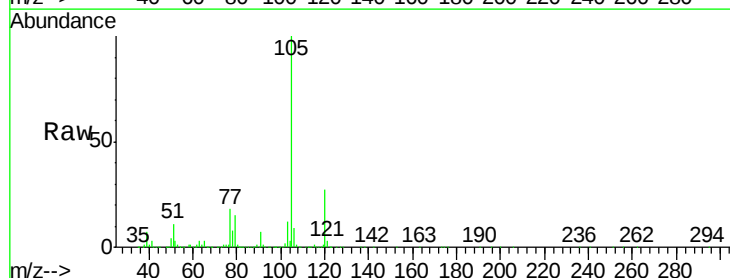
Acq: 29 Sep 2021 12:47

Tgt Ion:105 Resp: 5590854

Ion Ratio Lower Upper

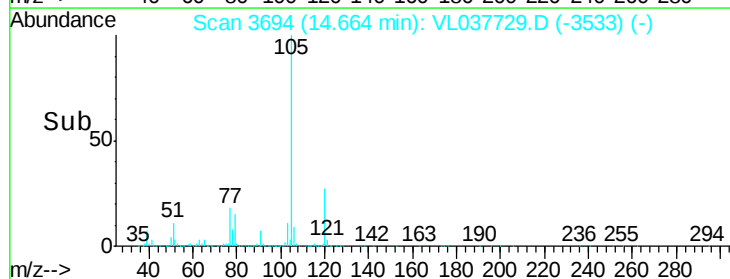
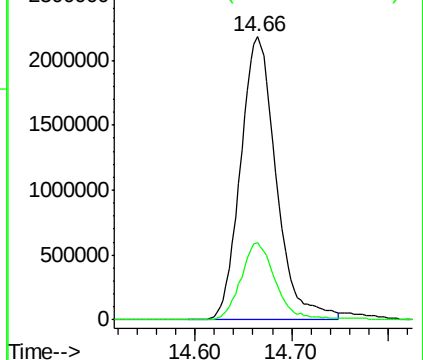
105 100

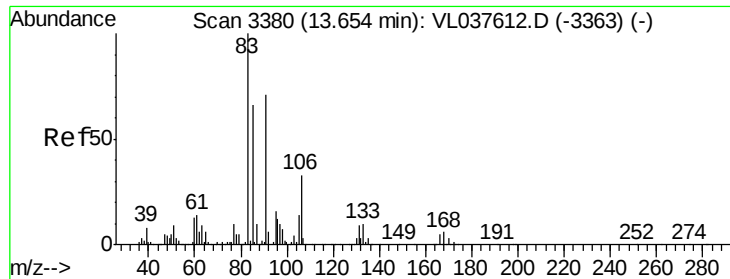
120 27.1 21.4 32.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

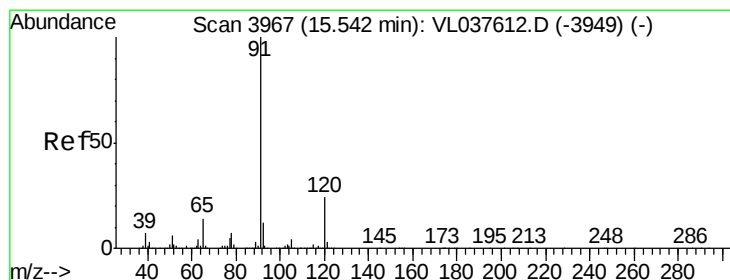
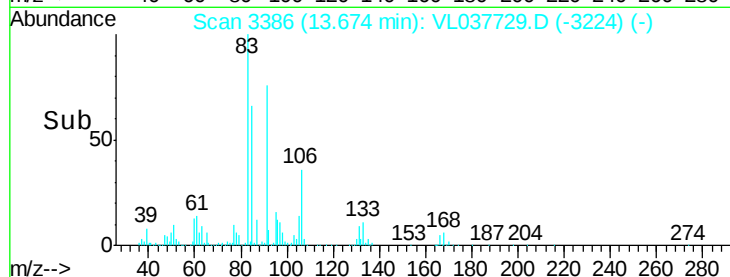
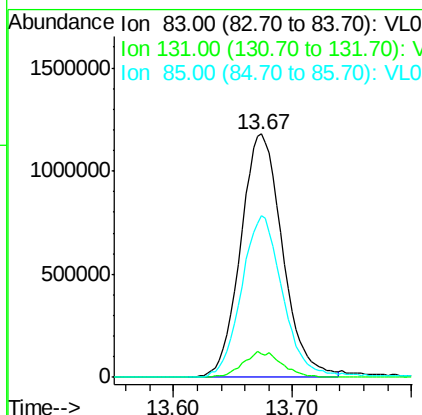
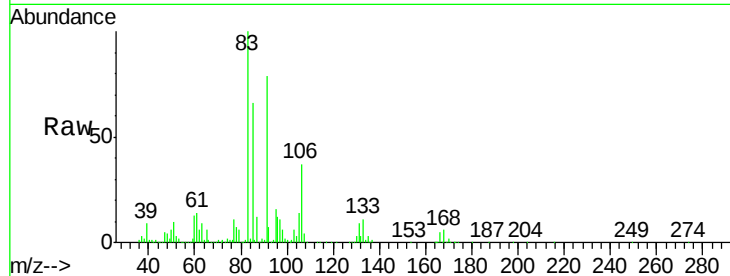




#63
 1,1,2,2-Tetrachloroethane
 Concen: 7.518 ppbv
 RT: 13.67 min Scan# 3386
 Delta R.T. 0.02 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

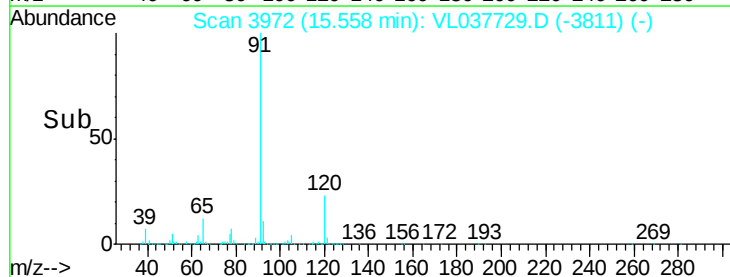
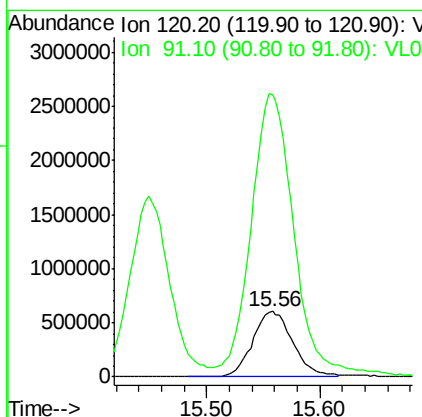
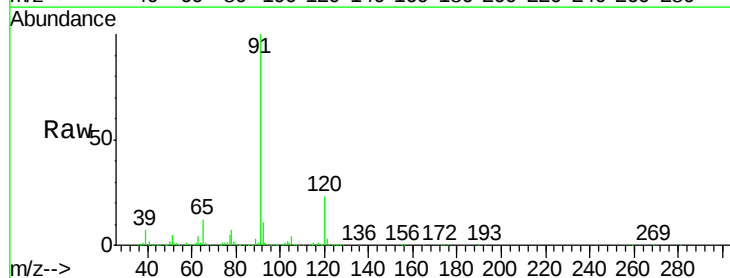
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

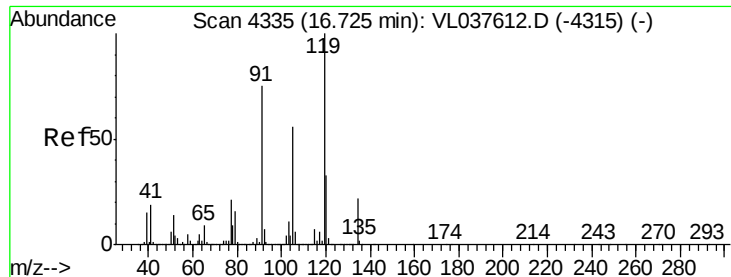
Tgt Ion: 83 Resp: 2867006
 Ion Ratio Lower Upper
 83 100
 131 10.0 5.1 15.3
 85 66.7 33.3 99.9



#64
 n-propylbenzene
 Concen: 8.460 ppbv
 RT: 15.56 min Scan# 3972
 Delta R.T. 0.02 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

Tgt Ion: 120 Resp: 1486222
 Ion Ratio Lower Upper
 120 100
 91 466.8 345.0 517.4

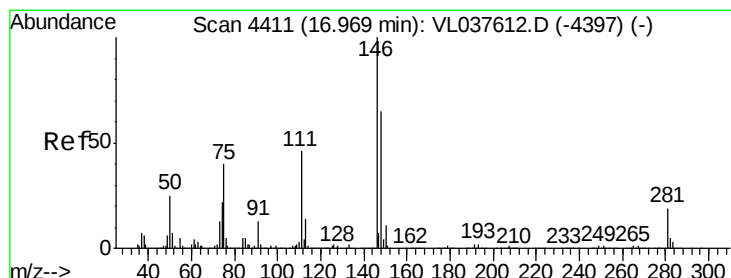
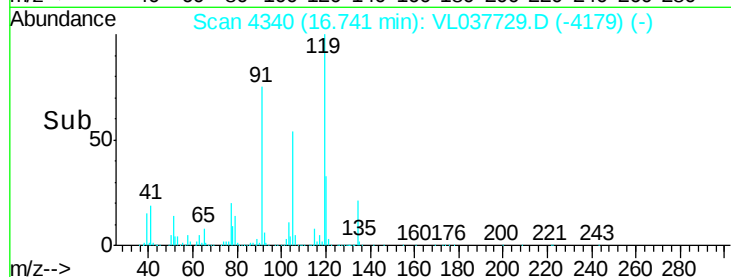
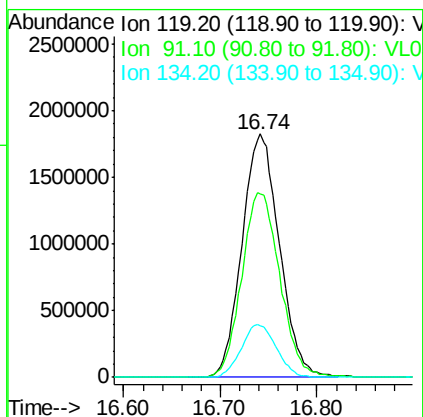
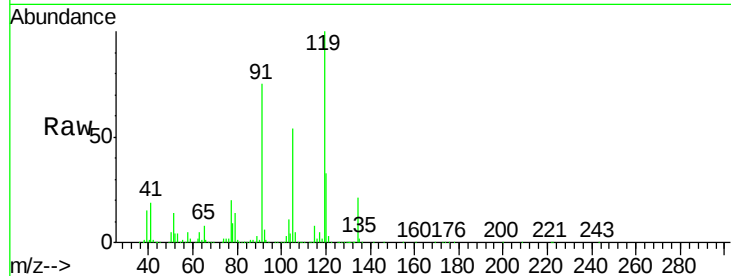




#65
 tert-Butylbenzene
 Concen: 8.007 ppbv
 RT: 16.74 min Scan# 4340
 Delta R.T. 0.02 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

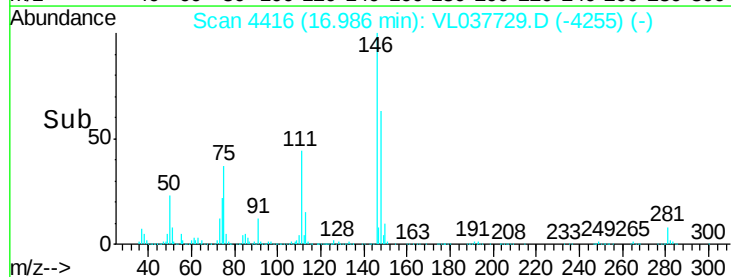
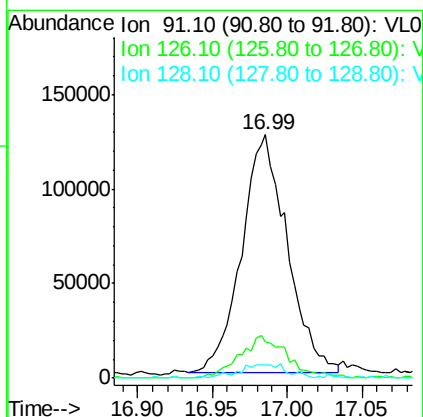
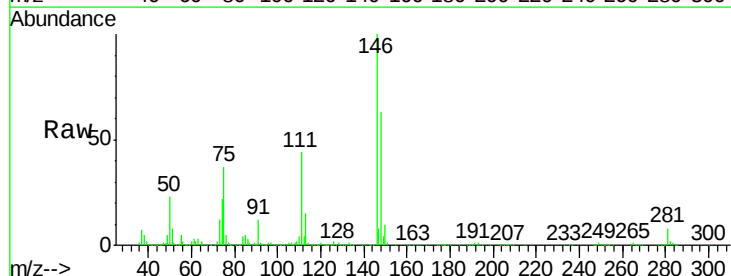
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

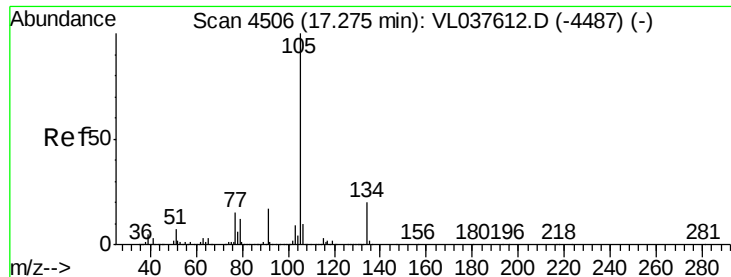
Tgt Ion: 119 Resp: 4914581
 Ion Ratio Lower Upper
 119 100
 91 77.3 61.9 92.9
 134 20.5 16.5 24.7



#66
 Benzyl Chloride
 Concen: 7.986 ppbv
 RT: 16.99 min Scan# 4416
 Delta R.T. 0.02 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

Tgt Ion: 91 Resp: 267855
 Ion Ratio Lower Upper
 91 100
 126 19.1 14.4 21.6
 128 6.6 5.7 8.5

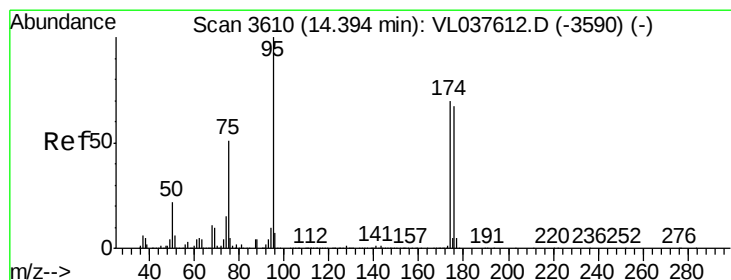
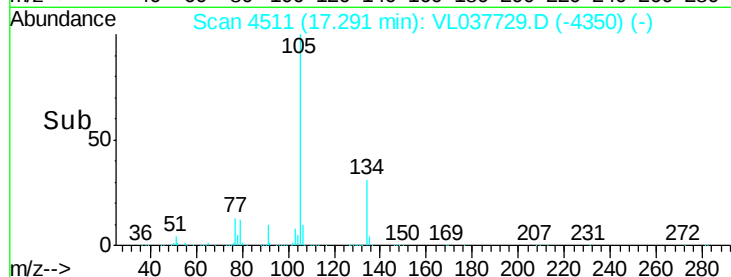
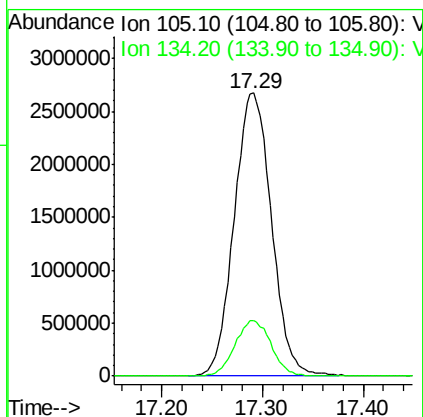
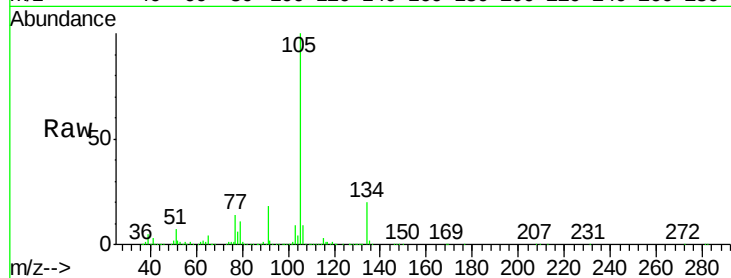




#67
 sec-Butylbenzene
 Concen: 8.234 ppbv
 RT: 17.29 min Scan# 4511
 Delta R.T. 0.02 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

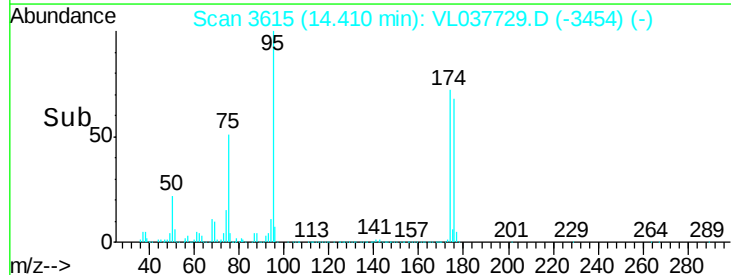
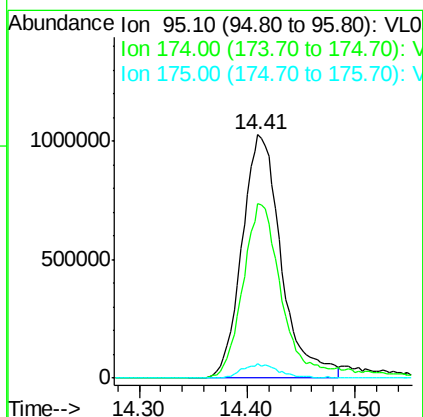
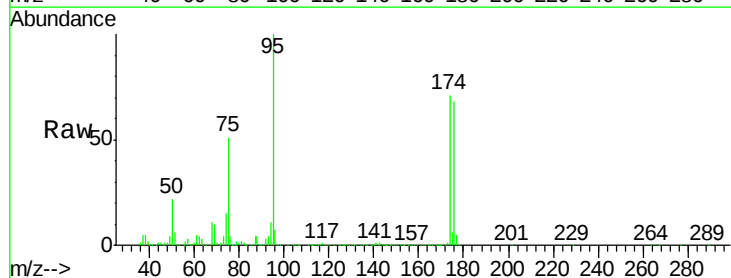
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

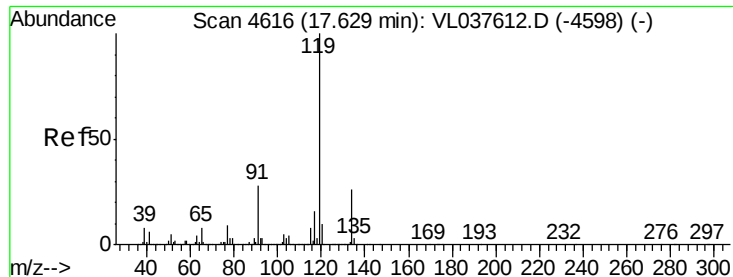
Tgt Ion: 105 Resp: 6856345
 Ion Ratio Lower Upper
 105 100
 134 19.2 15.7 23.5



#68
 1-Bromo-4-Fluorobenzene
 Concen: 8.105 ppbv
 RT: 14.41 min Scan# 3615
 Delta R.T. 0.02 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

Tgt Ion: 95 Resp: 2592336
 Ion Ratio Lower Upper
 95 100
 174 74.5 56.3 84.5
 175 5.6 4.4 6.6

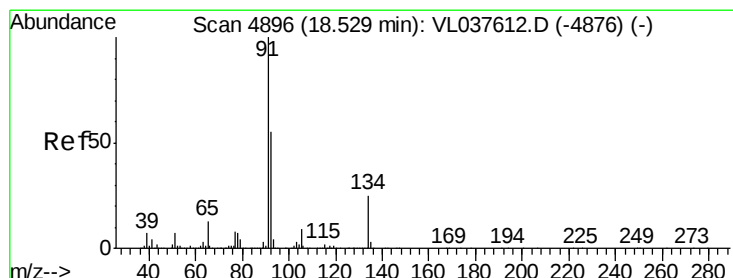
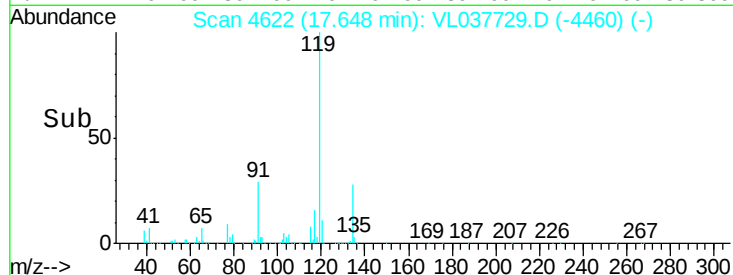
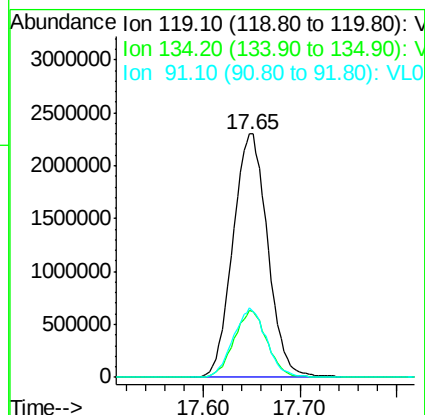
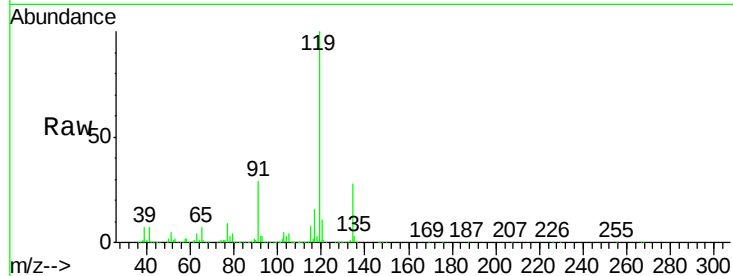




#69
 p-Isopropyltoluene
 Concen: 8.433 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. 0.02 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

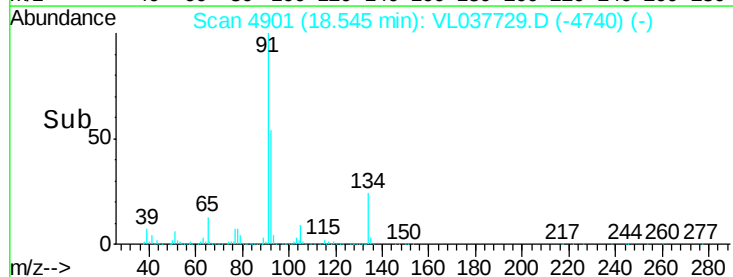
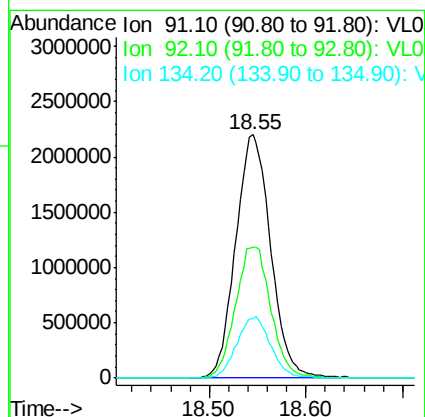
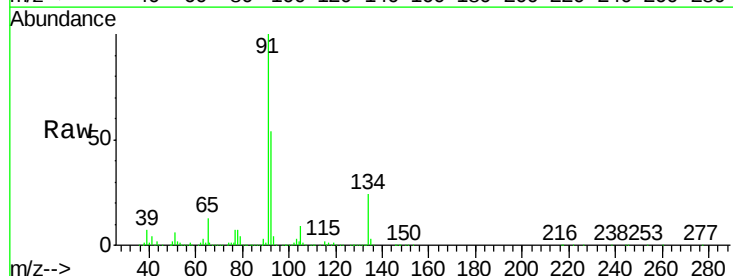
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

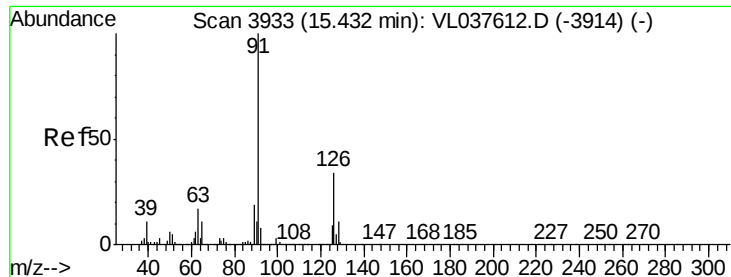
Tgt Ion: 119 Resp: 5737322
 Ion Ratio Lower Upper
 119 100
 134 26.2 21.2 31.8
 91 27.2 22.2 33.2



#70
 n-Butylbenzene
 Concen: 8.582 ppbv
 RT: 18.55 min Scan# 4901
 Delta R.T. 0.02 min
 Lab File: VL037729.D
 Acq: 29 Sep 2021 12:47

Tgt Ion: 91 Resp: 5524088
 Ion Ratio Lower Upper
 91 100
 92 54.9 44.0 66.0
 134 24.7 19.5 29.3

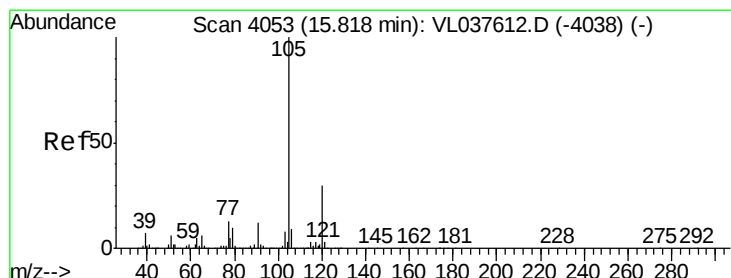
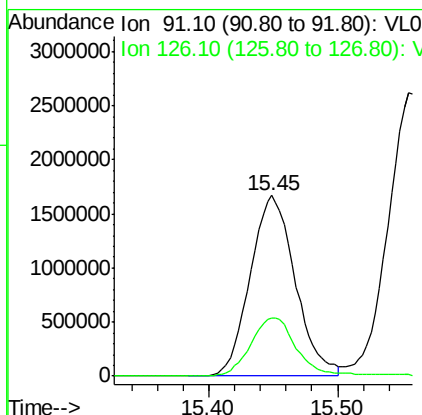
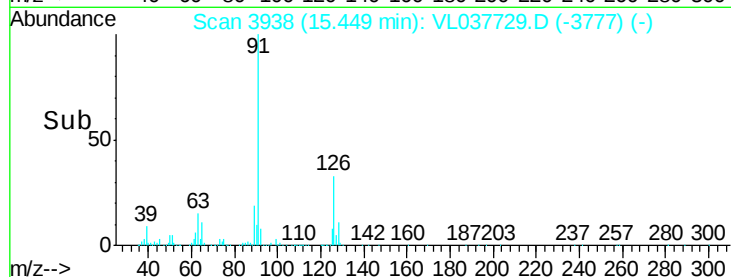
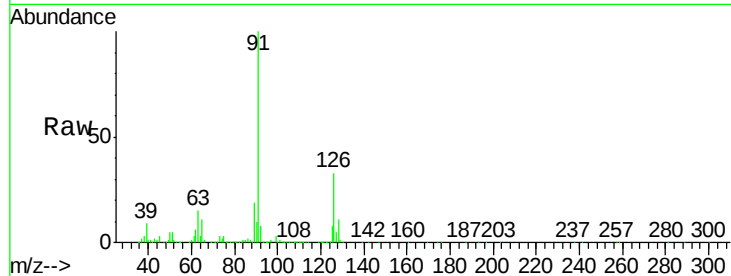




#71
2-Chlorotoluene
Concen: 8.314 ppbv
RT: 15.45 min Scan# 3938
Delta R.T. 0.02 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

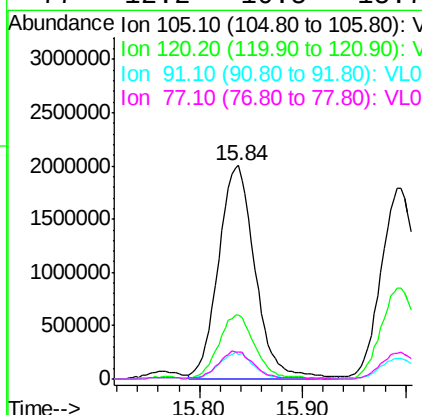
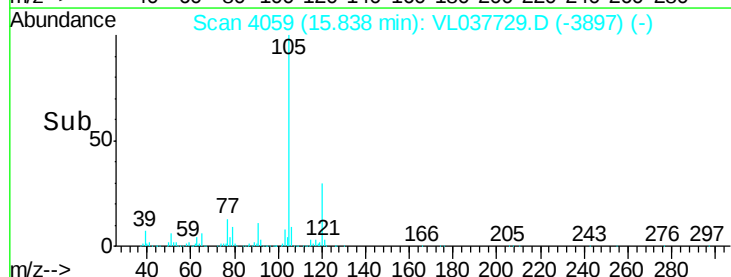
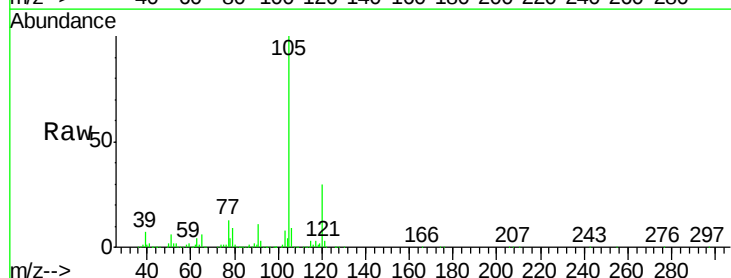
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

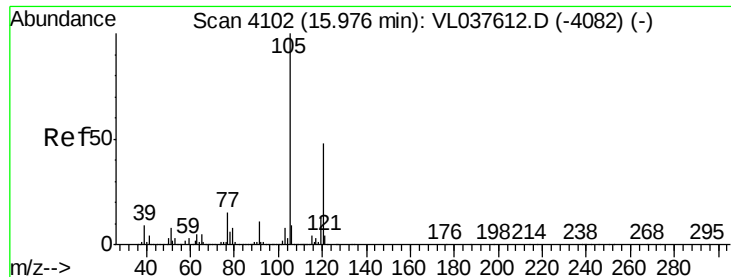
Tgt Ion: 91 Resp: 4056061
Ion Ratio Lower Upper
91 100
126 34.1 13.2 52.8



#72
4-Ethyltoluene
Concen: 8.830 ppbv
RT: 15.84 min Scan# 4059
Delta R.T. 0.02 min
Lab File: VL037729.D
Acq: 29 Sep 2021 12:47

Tgt Ion: 105 Resp: 4939536
Ion Ratio Lower Upper
105 100
120 30.0 24.7 37.1
91 11.9 9.9 14.9
77 12.2 10.5 15.7





#73

1,3,5-Trimethylbenzene

Concen: 8.413 ppbv

RT: 15.99 min Scan# 4107

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

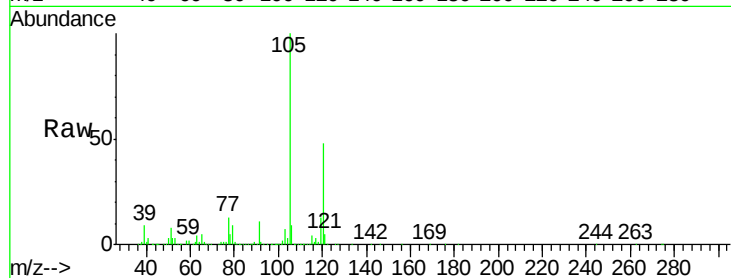
VSTDCCC010

Tgt Ion:105 Resp: 4386753

Ion Ratio Lower Upper

105 100

120 47.8 38.3 57.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

15.99

2000000

1500000

1000000

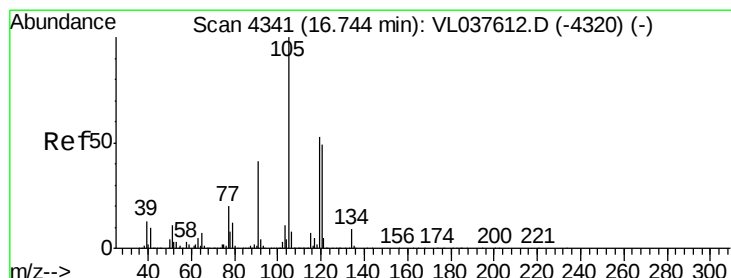
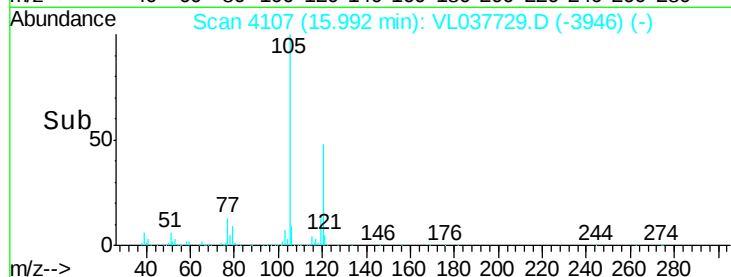
500000

0

Time-->

15.90

16.00



#74

1,2,4-Trimethylbenzene

Concen: 8.112 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Tgt Ion:105 Resp: 4454807

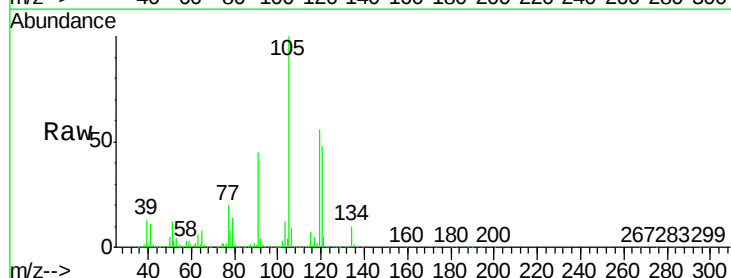
Ion Ratio Lower Upper

105 100

120 47.7 39.4 59.0

91 44.2 33.3 49.9

77 20.0 15.7 23.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

2500000

2000000

1500000

1000000

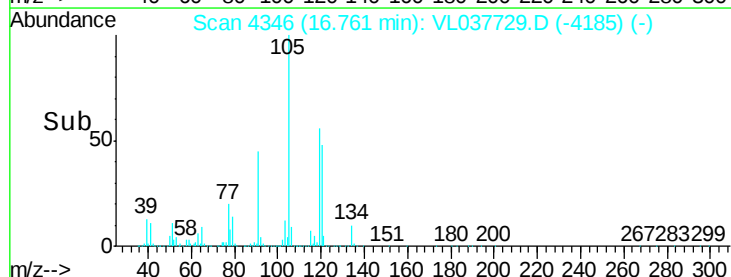
500000

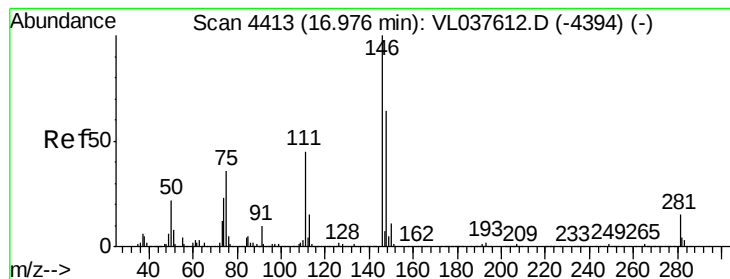
0

Time-->

16.70

16.80





#75

1,3-Dichlorobenzene

Concen: 8.049 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

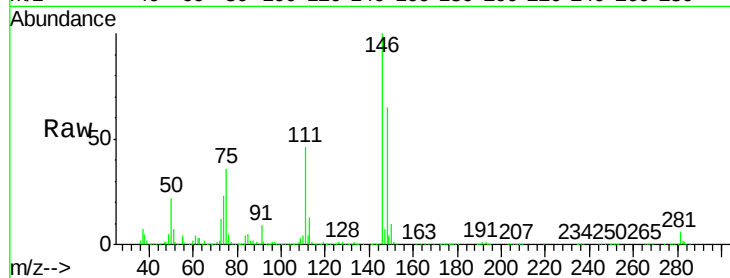
Tgt Ion:146 Resp: 2746358

Ion Ratio Lower Upper

146 100

111 44.8 22.8 68.3

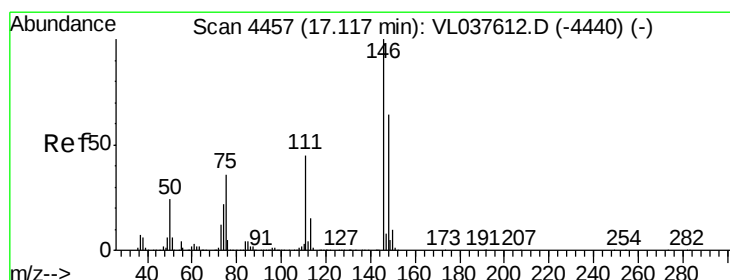
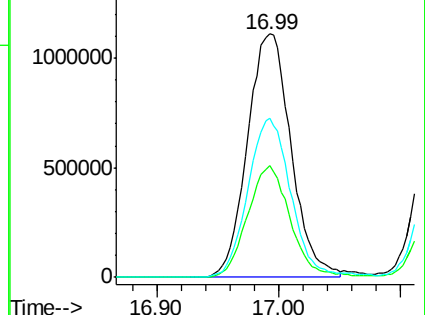
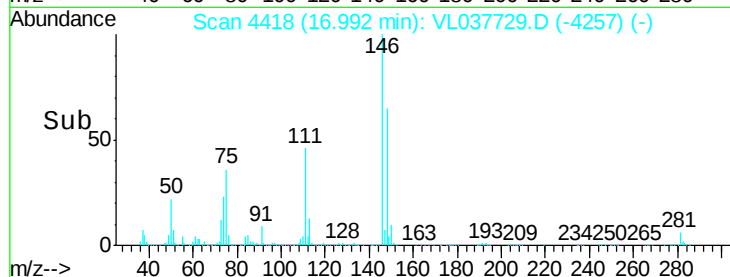
148 64.7 32.1 96.5



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: 7.892 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

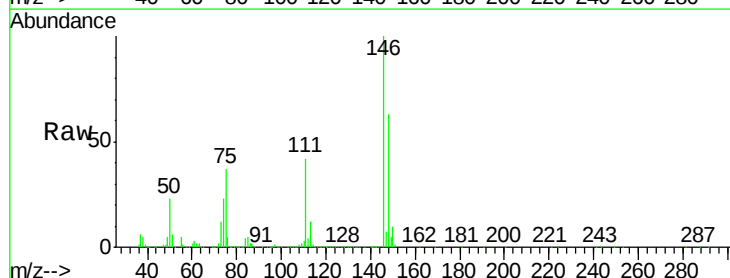
Tgt Ion:146 Resp: 2655731

Ion Ratio Lower Upper

146 100

111 44.5 22.5 67.5

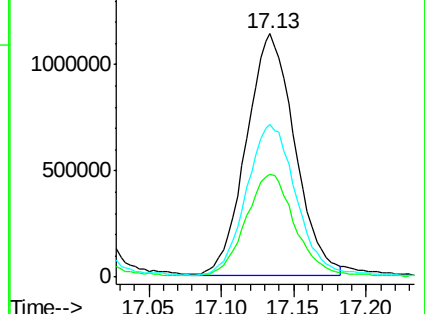
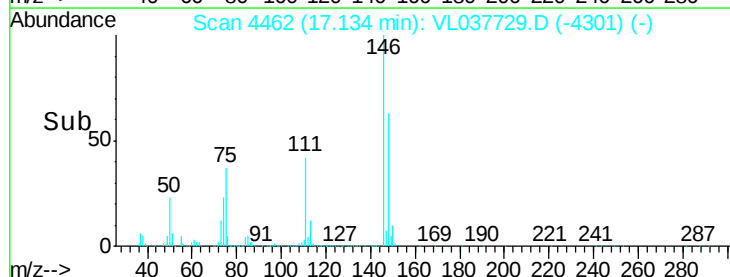
148 66.6 32.9 98.6

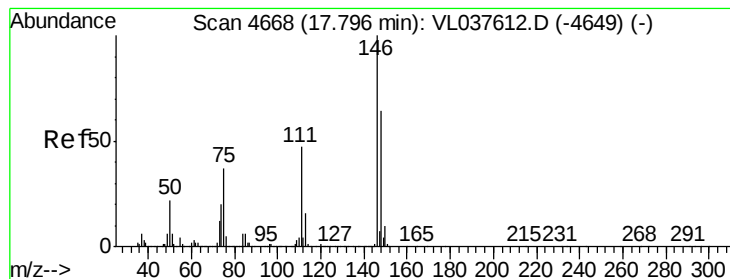


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 8.128 ppbv

RT: 17.81 min Scan# 4673

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

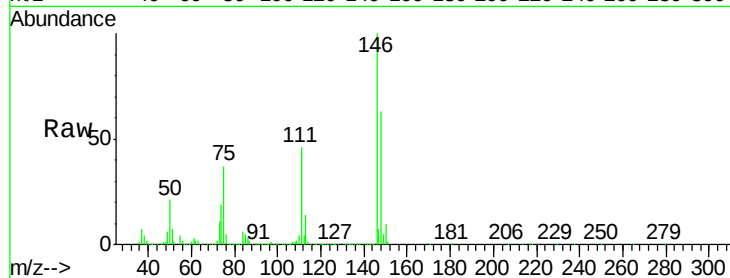
Tgt Ion:146 Resp: 2630254

Ion Ratio Lower Upper

146 100

111 46.9 24.0 72.0

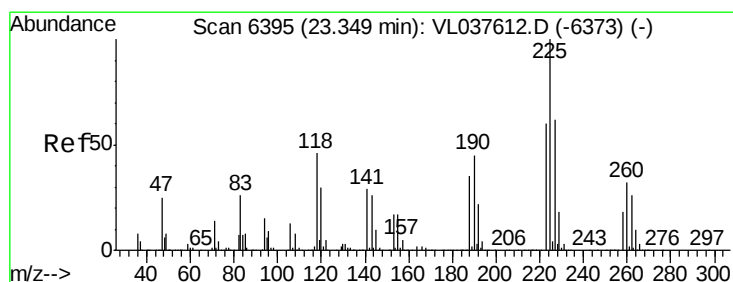
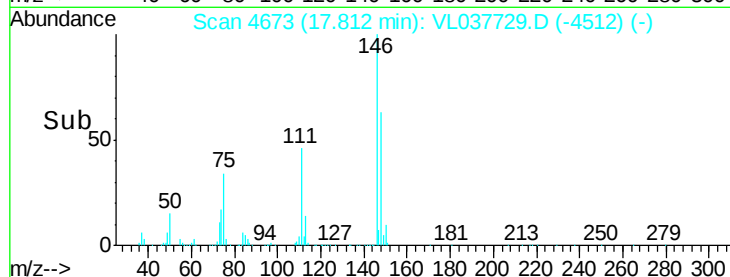
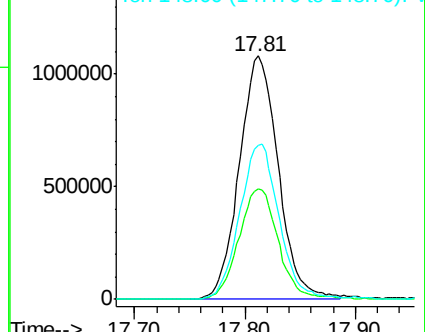
148 65.2 32.8 98.3



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



#78

Hexachloro-1,3-Butadiene

Concen: 7.262 ppbv

RT: 23.37 min Scan# 6401

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

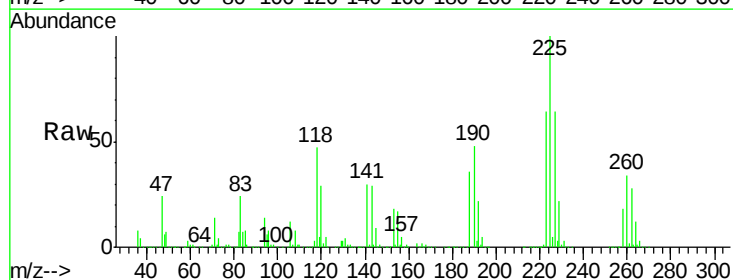
Tgt Ion:225 Resp: 1978068

Ion Ratio Lower Upper

225 100

223 63.7 51.1 76.7

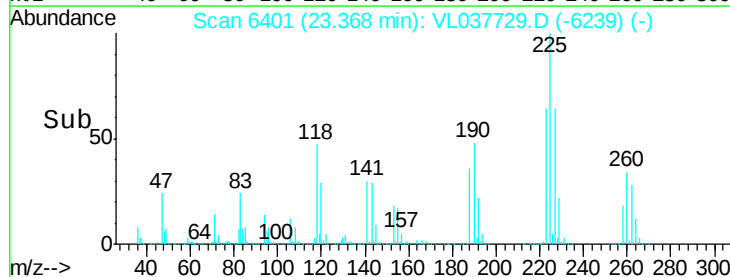
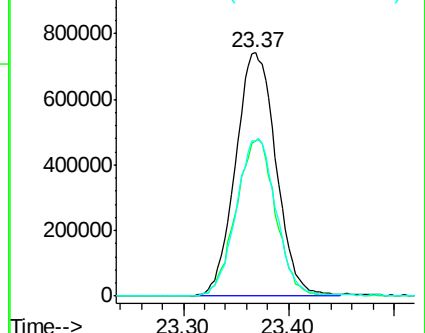
227 64.5 52.2 78.4

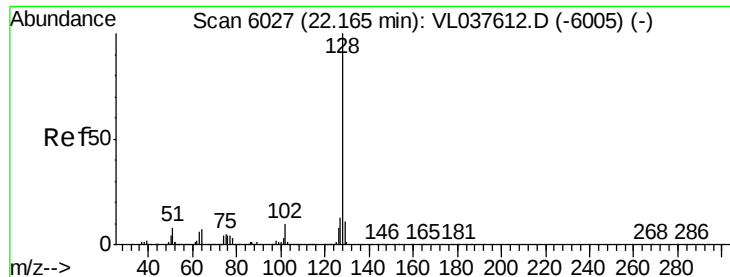


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 9.793 ppbv

RT: 22.19 min Scan# 6035

Delta R.T. 0.03 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

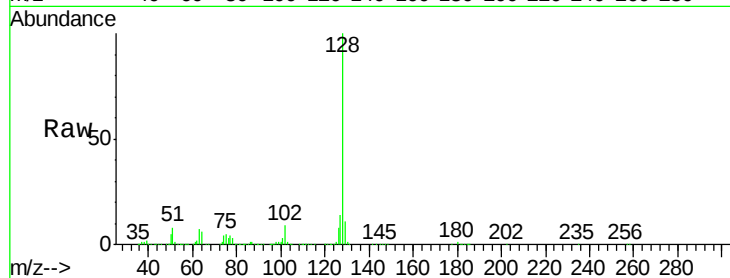
Tgt Ion:128 Resp: 3302188

Ion Ratio Lower Upper

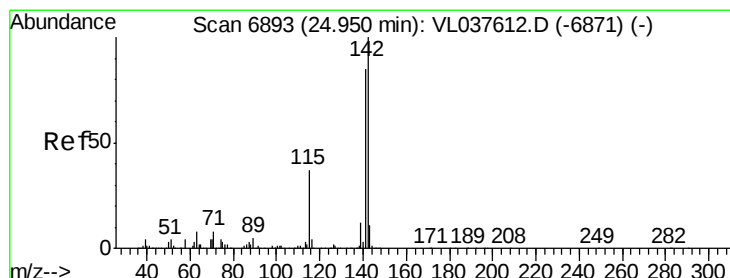
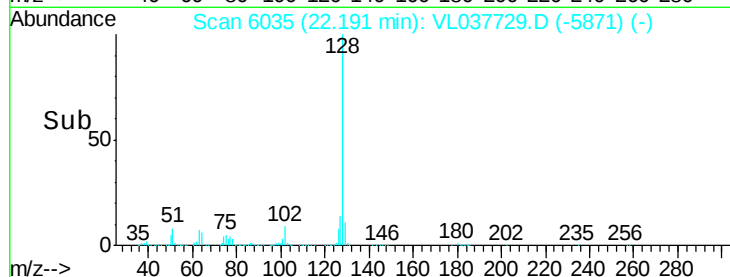
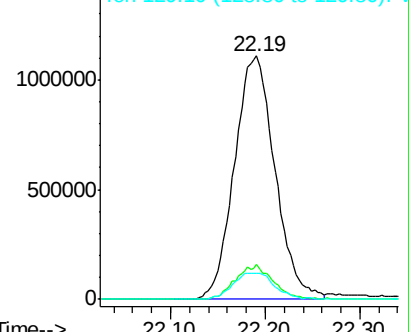
128 100

127 14.1 10.6 16.0

129 10.9 8.6 12.8



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: 11.760 ppbv

RT: 24.97 min Scan# 6898

Delta R.T. 0.02 min

Lab File: VL037729.D

Acq: 29 Sep 2021 12:47

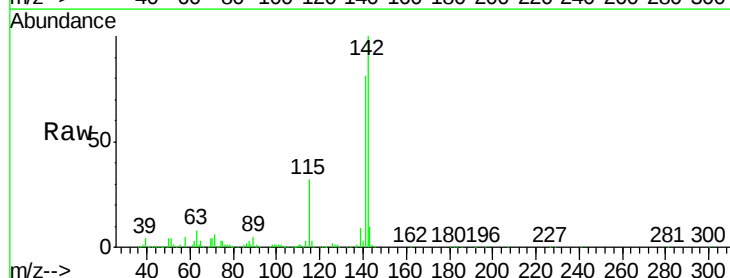
Tgt Ion:142 Resp: 906352

Ion Ratio Lower Upper

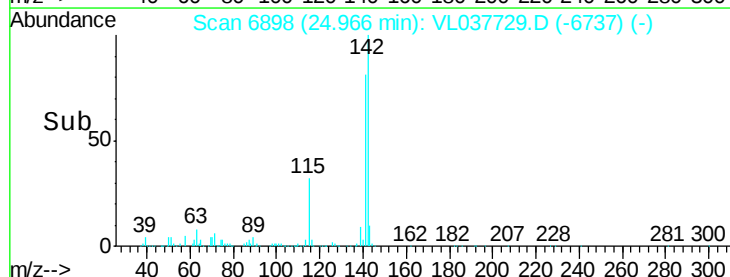
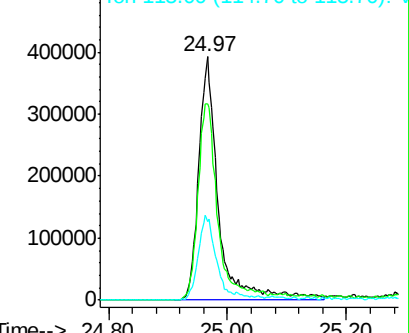
142 100

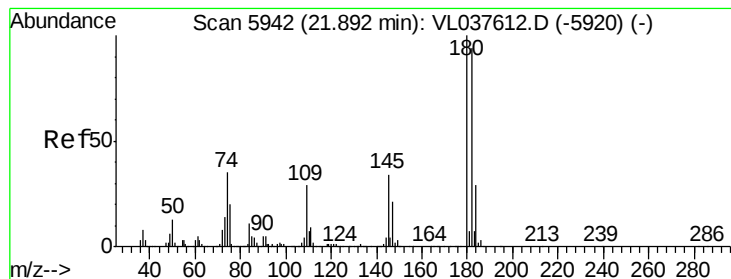
141 82.2 70.9 106.3

115 32.6 29.6 44.4



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: 9.180 ppbv

RT: 21.92 min Scan# 5950

Delta R.T. 0.03 min

Lab File: VL037729.D

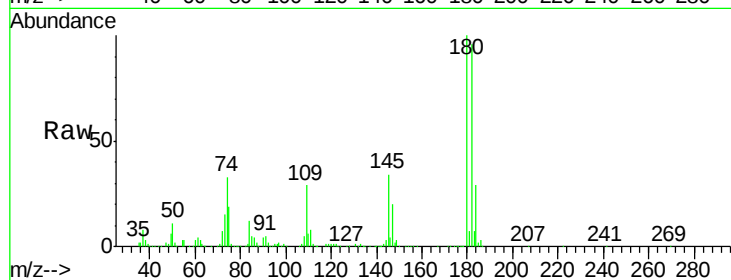
Acq: 29 Sep 2021 12:47

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010



Tgt Ion:180 Resp: 1987478

Ion Ratio Lower Upper

180 100

182 99.5 78.9 118.3

184 31.1 24.7 37.1

