

Data File : VL037244.D
Acq On : 29 Jun 2021 10:14
Operator : SY/AP
Sample : VSTDCCC010
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Quant Time: Jun 29 13:49:11 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL061621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1571912	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	4652096	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	5413862	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3342894	8.15	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	81.50%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.04	85	2651043	9.697	ppbv	97
3) Chlorodifluoromethane	2.98	51	2796557	9.149	ppbv	99
4) Chloromethane	3.13	50	918387	9.016	ppbv	98
5) Vinyl Chloride	3.25	62	1046430	9.347	ppbv	96
6) Bromomethane	3.46	94	564753	8.456	ppbv	95
7) Chloroethane	3.54	64	392306	9.803	ppbv	97
8) Dichlorotetrafluoroethane	3.18	85	2680799	9.559	ppbv	98
9) Propene	3.00	41	899992	9.209	ppbv	99
10) Heptane	8.11	43	2289814	9.674	ppbv	100
11) Trichlorofluoromethane	3.94	101	2819074	9.664	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.47	101	2045887	9.950	ppbv	99
13) Ethanol	3.60	45	95710	6.331	ppbv	54
14) Bromoethene	3.73	108	823417	9.594	ppbv	98
15) Acetone	3.84	43	1400823	7.903	ppbv	97
16) 1,3-Butadiene	3.31	39	1037531	9.901	ppbv	100
17) tert-Butyl alcohol	4.28	59	1591342	9.713	ppbv	99
18) 1,1-Dichloroethene	4.28	96	895248	9.825	ppbv	99
19) Isopropyl Alcohol	3.96	45	866626	8.072	ppbv	99
20) Methylene Chloride	4.33	84	764179	7.201	ppbv	98
21) Allyl Chloride	4.40	41	1304037	9.760	ppbv	100
22) trans-1,2-Dichloroethene	4.87	96	913774	10.134	ppbv	95
23) Vinyl Acetate	5.06	43	2232844	8.785	ppbv	99
24) 1,1-Dichloroethane	5.00	63	1858571	9.082	ppbv	99
25) Ethyl Acetate	5.66	43	3622887	9.441	ppbv	99
26) Hexane	5.67	57	1747855	9.012	ppbv	98
27) Carbon Disulfide	4.54	76	2074655	10.917	ppbv	99
28) Methyl tert-Butyl Ether	5.02	73	1987377	8.523	ppbv	98
29) Chloroform	5.74	83	2849136	9.510	ppbv	98
30) Cyclohexane	7.11	84	1525388	9.439	ppbv	98
31) cis-1,2-Dichloroethene	5.54	61	1708187	9.585	ppbv	99
32) 1,1,1-Trichloroethane	6.50	97	2988357	9.321	ppbv	100
34) 2-Butanone	5.23	43	1647231	9.104	ppbv	99
35) Carbon Tetrachloride	7.00	117	3191433	10.228	ppbv	99
36) Benzene	6.88	78	3553979	9.448	ppbv	99
37) 1,2-Dichloroethane	6.29	62	2144184	9.812	ppbv	99
38) Trichloroethene	7.82	130	1500455	8.391	ppbv	99
39) 1,2-Dichloropropane	7.60	63	1382655	9.891	ppbv	98
40) 1,4-Dioxane	7.82	88	308960	8.060	ppbv #	1
41) Tetrahydrofuran	6.04	42	832438	9.905	ppbv	99
42) Bromodichloromethane	7.78	83	3055312	10.134	ppbv	97
43) Methyl Methacrylate	8.00	69	1315692	10.127	ppbv	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.85	57	5948452	9.391	ppbv	99
45) t-1,3-Dichloropropene	9.27	75	975006	8.506	ppbv	97
46) cis-1,3-Dichloropropene	8.69	75	1237953	7.895	ppbv	99
47) 1,1,2-Trichloroethane	9.46	97	1533862	9.618	ppbv	99
48) Dibromochloromethane	10.29	129	2772878	11.015	ppbv	99
49) Bromoform	13.02	173	2269848	12.102	ppbv	99
50) 4-Methyl-2-Pentanone	8.73	43	2552883	10.273	ppbv	99
51) 2-Hexanone	10.12	43	1336865	11.057	ppbv #	99
52) Tetrachloroethene	11.21	164	1476913	8.449	ppbv	95
53) Toluene	9.79	91	4306291	9.583	ppbv	100
54) 1,2-Dibromoethane	10.59	107	2285865	9.974	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.11	131	1904724	8.047	ppbv	96
57) Chlorobenzene	12.13	112	3281518	7.474	ppbv	98
58) Ethyl Benzene	12.69	91	5724881	7.681	ppbv	98
59) m/p-Xylene	12.98	91	5049457	7.995	ppbv #	36
60) o-Xylene	13.68	91	4667616	7.761	ppbv	99
61) Styrene	13.51	104	2587646	8.337	ppbv	97
62) Isopropylbenzene	14.65	105	6516438	7.620	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	3165583	7.905	ppbv	99
64) n-propylbenzene	15.54	120	1749413	8.169	ppbv	98
65) tert-Butylbenzene	16.73	119	5918540	7.803	ppbv	99
66) Benzyl Chloride	16.97	91	248059	7.718	ppbv	96
67) sec-Butylbenzene	17.28	105	7854590	7.766	ppbv	100
69) p-Isopropyltoluene	17.63	119	6830917	7.996	ppbv	99
70) n-Butylbenzene	18.54	91	6480442	8.196	ppbv	99
71) 2-Chlorotoluene	15.44	91	4771748	7.981	ppbv	99
72) 4-Ethyltoluene	15.82	105	5684089	8.320	ppbv	99
73) 1,3,5-Trimethylbenzene	15.98	105	5154586	7.805	ppbv	97
74) 1,2,4-Trimethylbenzene	16.74	105	5351830	7.865	ppbv	94
75) 1,3-Dichlorobenzene	16.98	146	3220798	7.785	ppbv	99
76) 1,4-Dichlorobenzene	17.12	146	3128611	7.571	ppbv	99
77) 1,2-Dichlorobenzene	17.80	146	3096890	7.738	ppbv	99
78) Hexachloro-1,3-Butadiene	23.36	225	2041594	5.933	ppbv	100
79) Naphthalene	22.18	128	3901068	6.876	ppbv	99
80) Naphthalene,2-methyl-	24.96	142	968806	6.511	ppbv	99
81) 1,2,4-Trichlorobenzene	21.90	180	2277907	6.958	ppbv	98

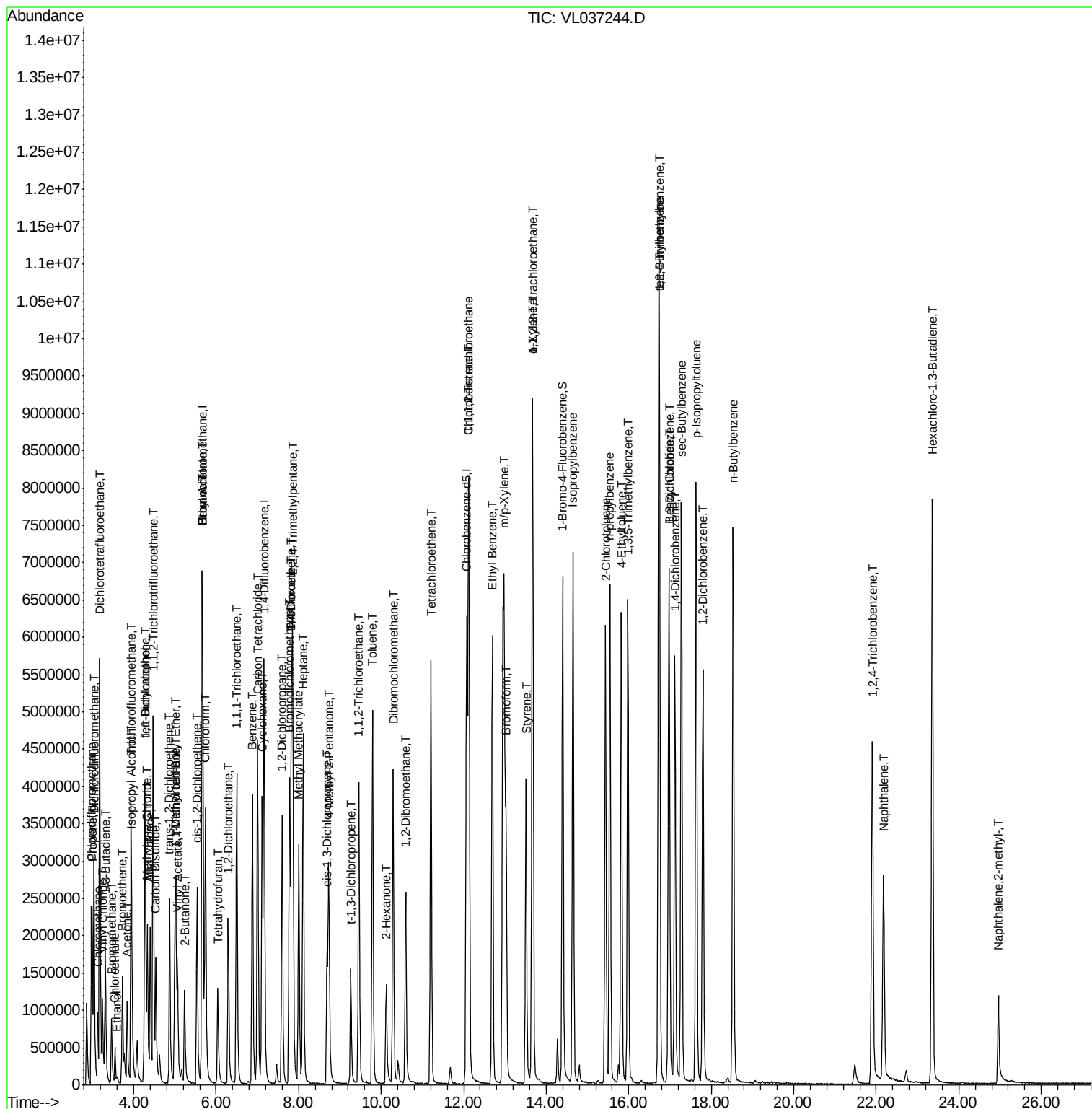
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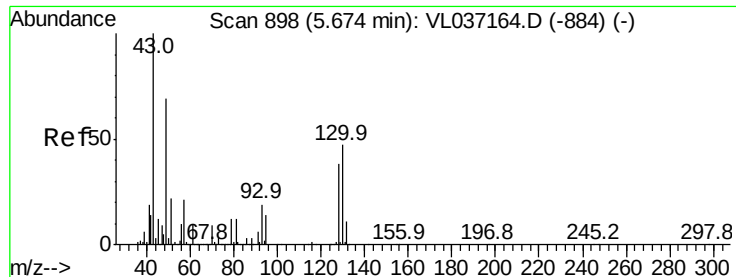
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL037244.D

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Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

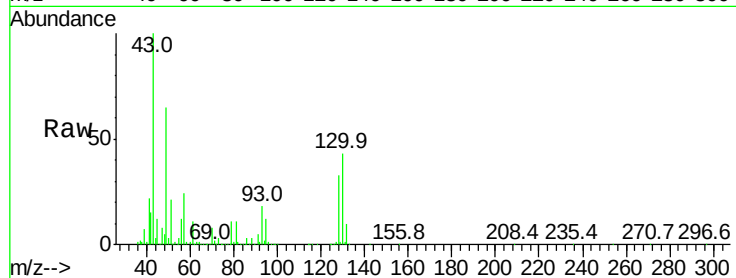
Tgt Ion: 49 Resp: 1571912

Ion Ratio Lower Upper

49 100

128 58.3 29.3 88.0

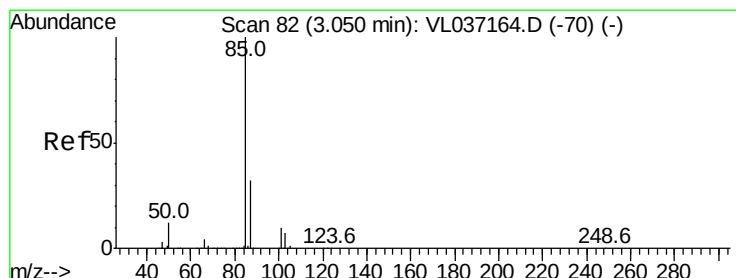
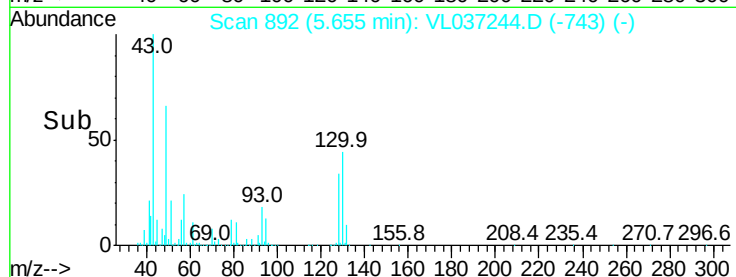
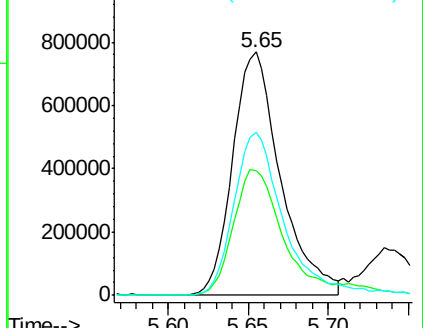
130 71.6 35.9 107.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 9.697 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL037244.D

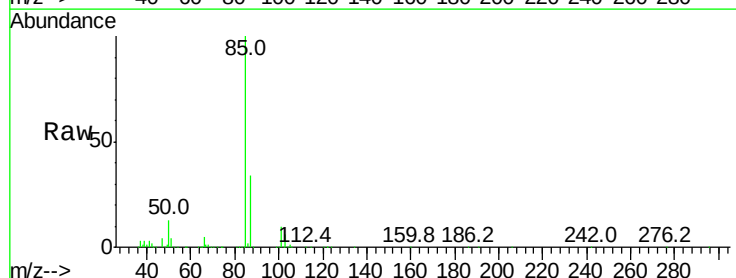
Acq: 29 Jun 2021 10:14

Tgt Ion: 85 Resp: 2651043

Ion Ratio Lower Upper

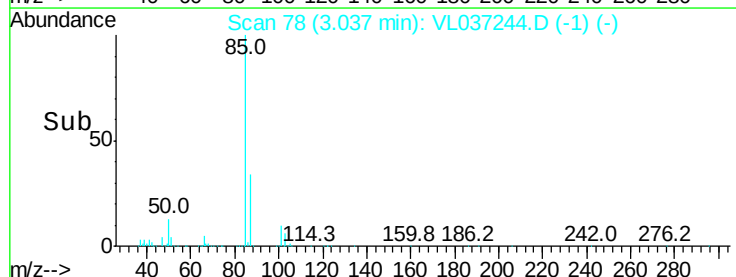
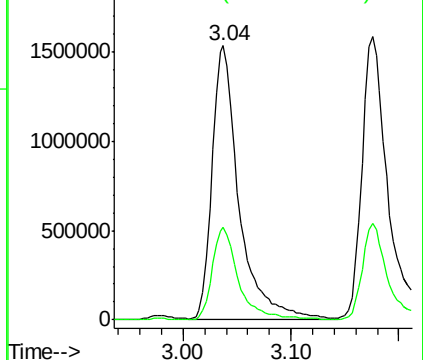
85 100

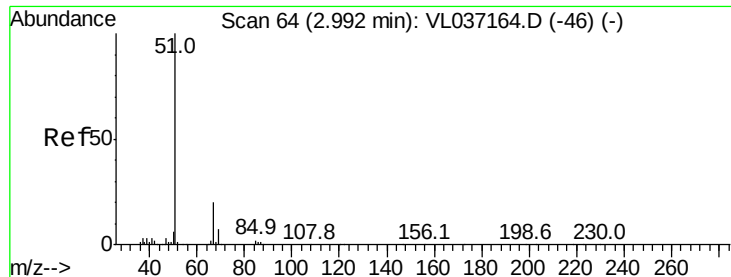
87 34.0 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

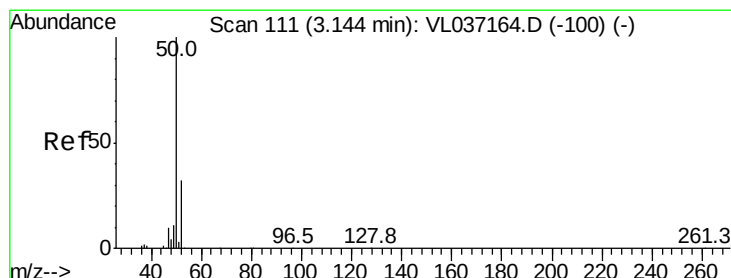
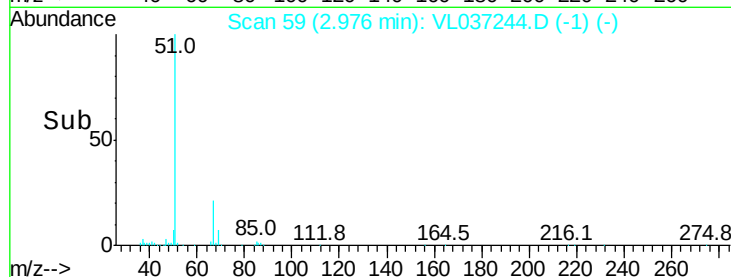
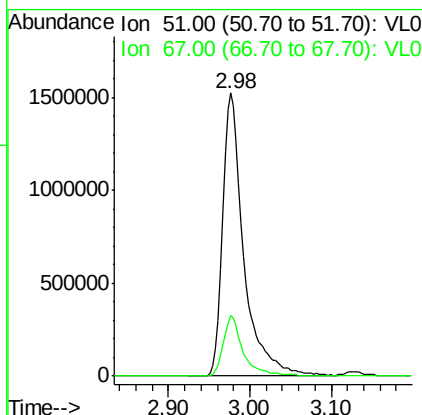
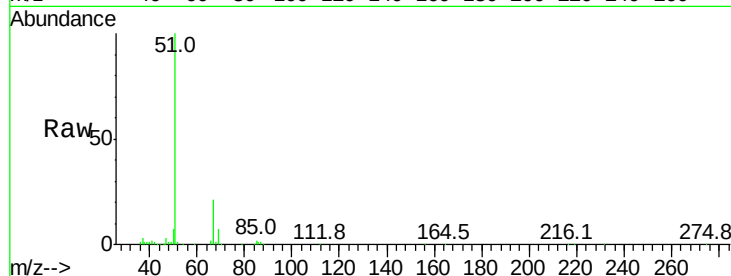




#3
 Chlorodifluoromethane
 Concen: 9.149 ppbv
 RT: 2.98 min Scan# 59
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

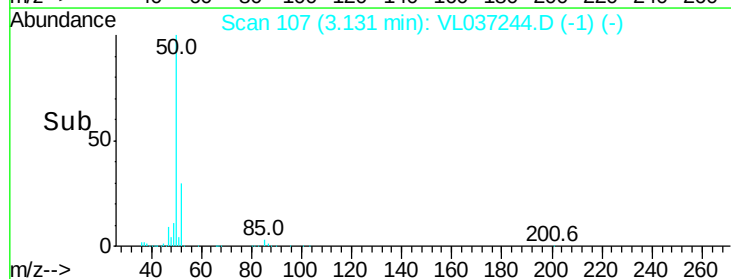
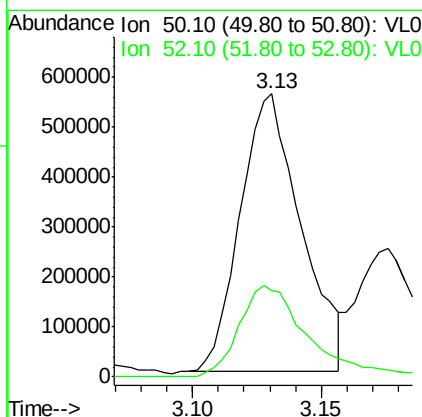
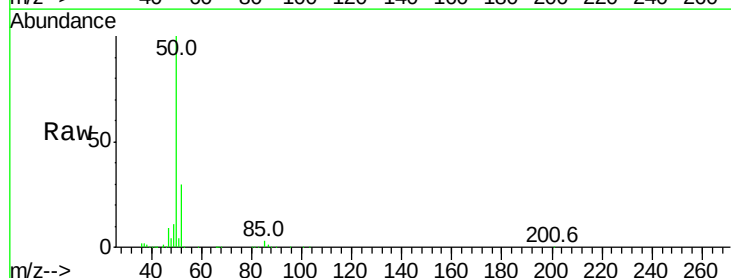
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

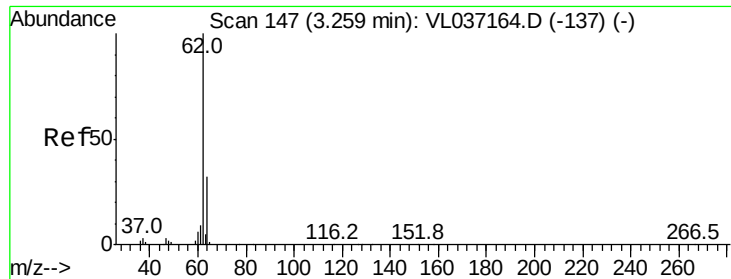
Tgt Ion: 51 Resp: 2796557
 Ion Ratio Lower Upper
 51 100
 67 20.3 15.8 23.6



#4
 Chloromethane
 Concen: 9.016 ppbv
 RT: 3.13 min Scan# 107
 Delta R.T. -0.01 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion: 50 Resp: 918387
 Ion Ratio Lower Upper
 50 100
 52 30.9 25.8 38.8





#5

Vinyl Chloride

Concen: 9.347 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.01 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

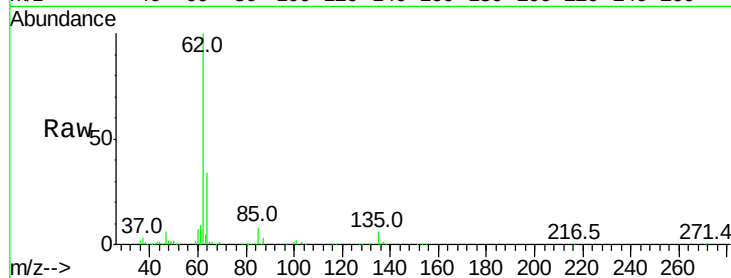
VSTDCCC010

Tgt Ion: 62 Resp: 1046430

Ion Ratio Lower Upper

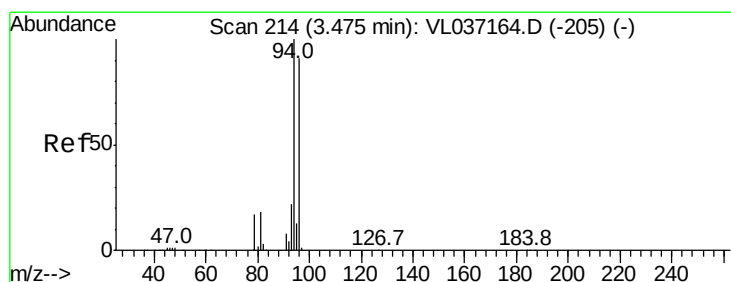
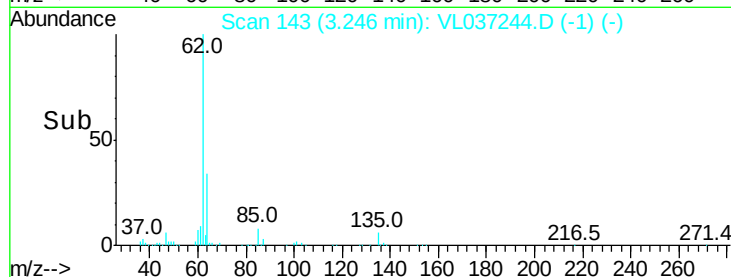
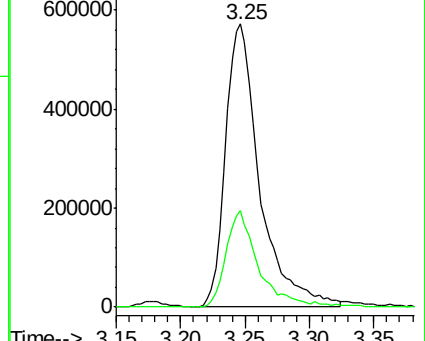
62 100

64 34.0 25.6 38.4



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 8.456 ppbv

RT: 3.46 min Scan# 210

Delta R.T. -0.01 min

Lab File: VL037244.D

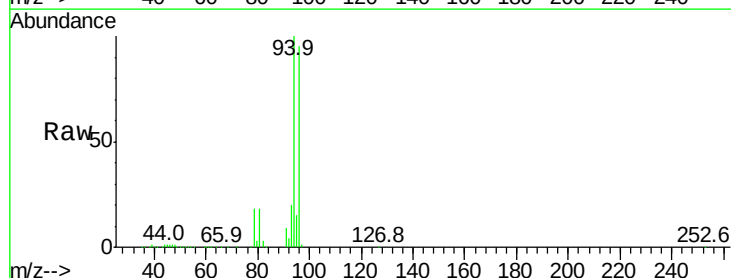
Acq: 29 Jun 2021 10:14

Tgt Ion: 94 Resp: 564753

Ion Ratio Lower Upper

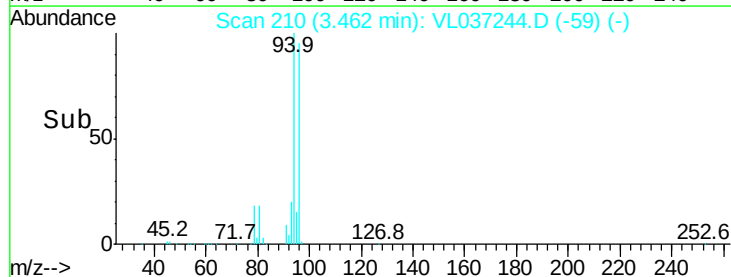
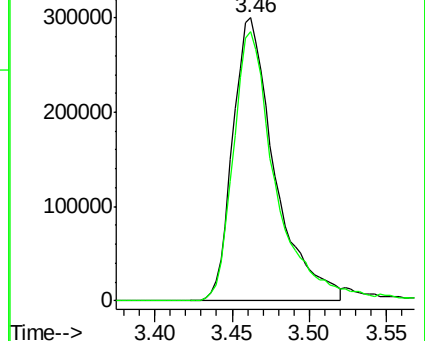
94 100

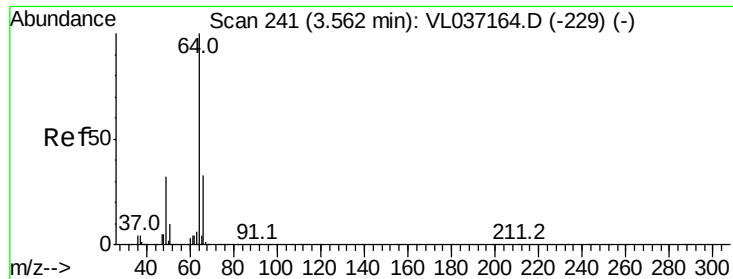
96 95.3 72.6 108.8



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 9.803 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

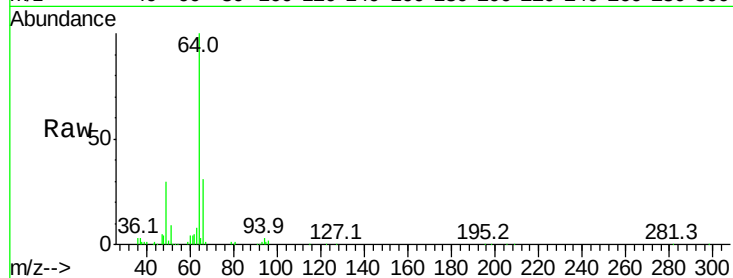
VSTDCCC010

Tgt Ion: 64 Resp: 392306

Ion Ratio Lower Upper

64 100

66 31.0 26.2 39.4



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.54

250000

200000

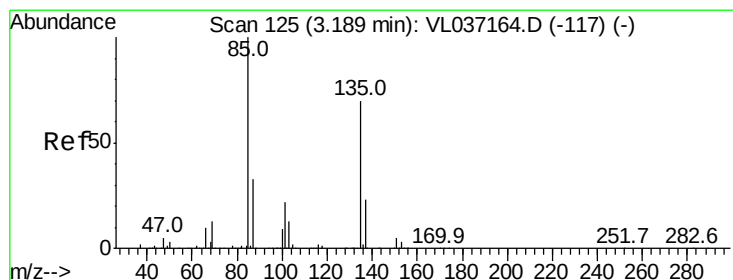
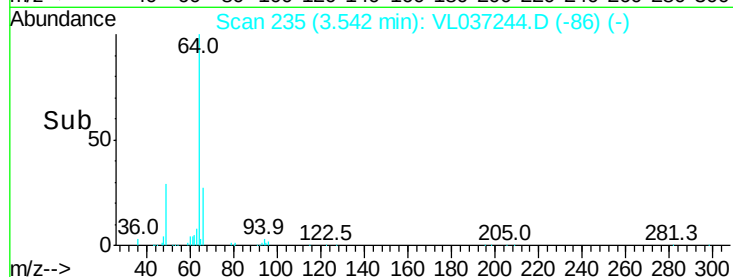
150000

100000

50000

0

Time-->



#8

Dichlorotetrafluoroethane

Concen: 9.559 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.01 min

Lab File: VL037244.D

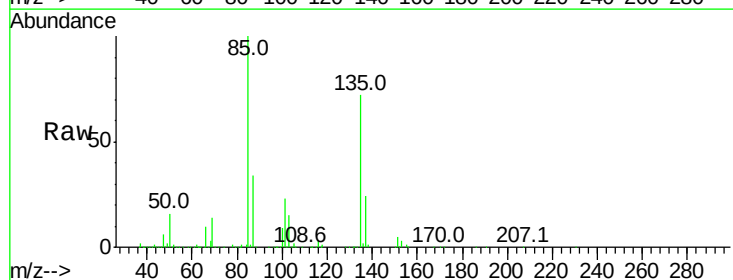
Acq: 29 Jun 2021 10:14

Tgt Ion: 85 Resp: 2680799

Ion Ratio Lower Upper

85 100

135 73.5 60.4 90.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V

3.18

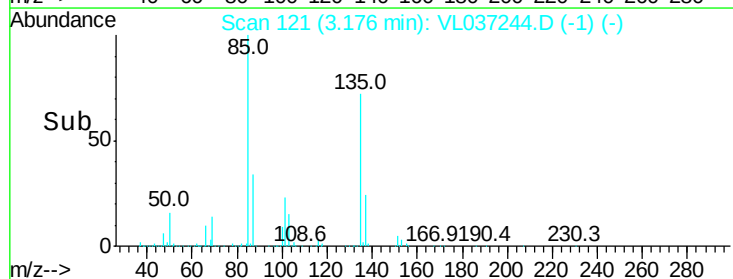
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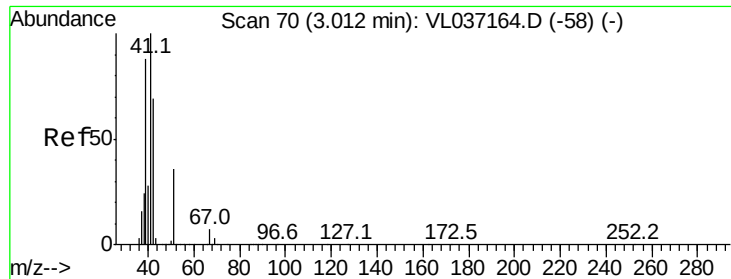
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500000

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Time-->





#9

Propene

Concen: 9.209 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

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ClientSampleId :

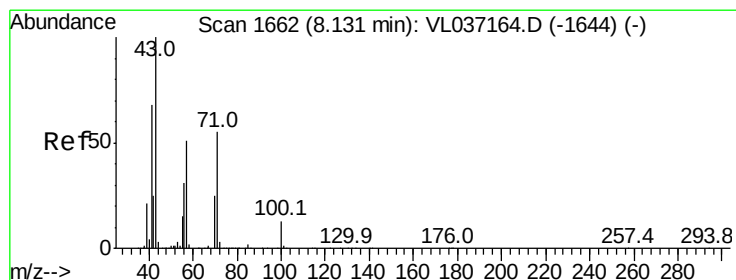
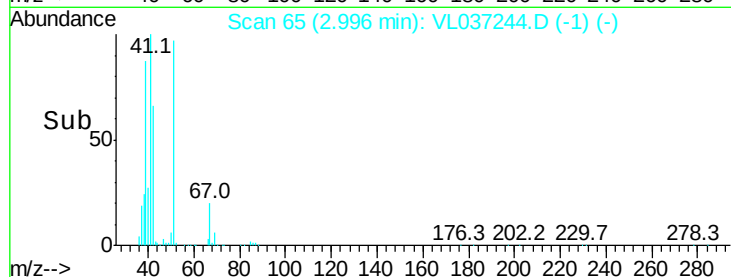
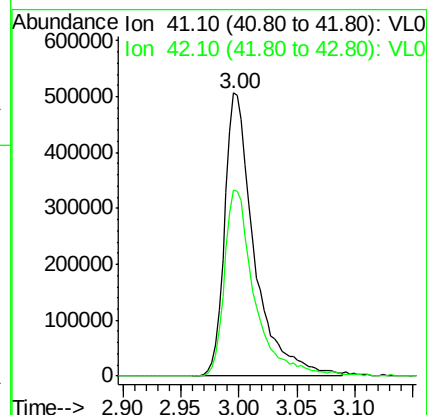
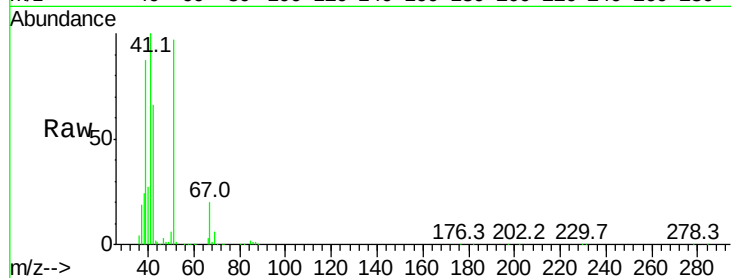
VSTDCCC010

Tgt Ion: 41 Resp: 899992

Ion Ratio Lower Upper

41 100

42 67.2 54.5 81.7



#10

Heptane

Concen: 9.674 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. -0.02 min

Lab File: VL037244.D

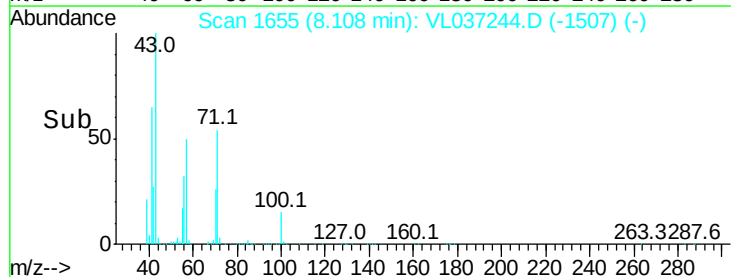
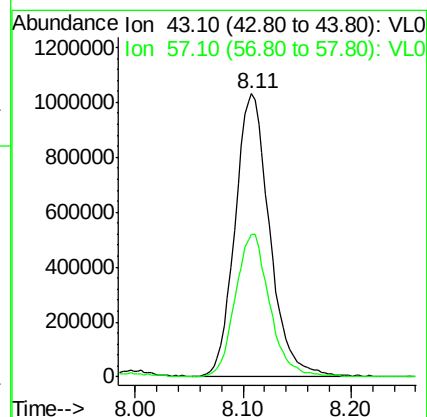
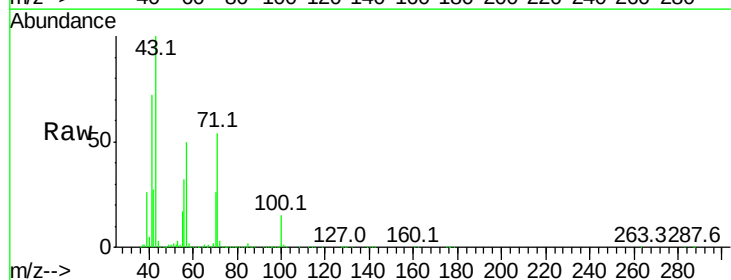
Acq: 29 Jun 2021 10:14

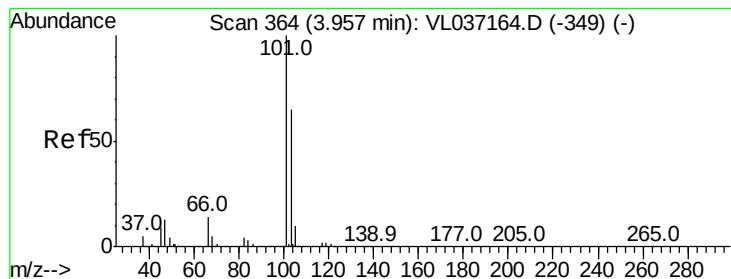
Tgt Ion: 43 Resp: 2289814

Ion Ratio Lower Upper

43 100

57 50.5 40.6 61.0





#11

Trichlorofluoromethane

Concen: 9.664 ppbv

RT: 3.94 min Scan# 358

Delta R.T. -0.02 min

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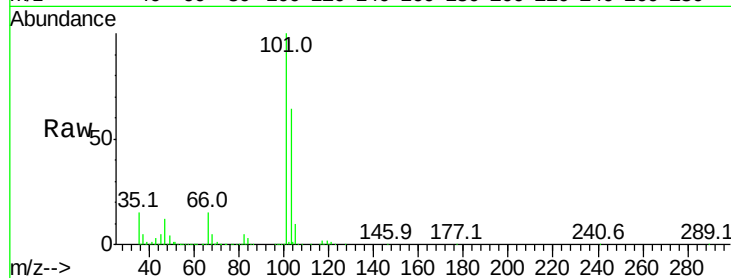
VSTDCCC010

Tgt Ion:101 Resp: 2819074

Ion Ratio Lower Upper

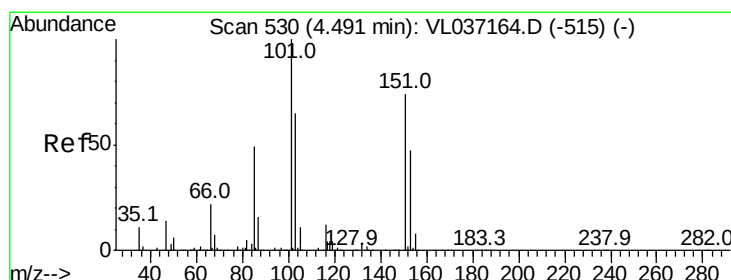
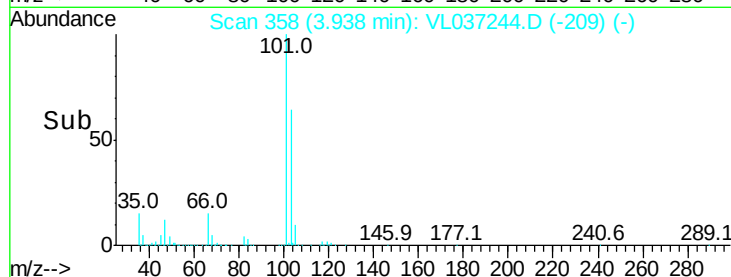
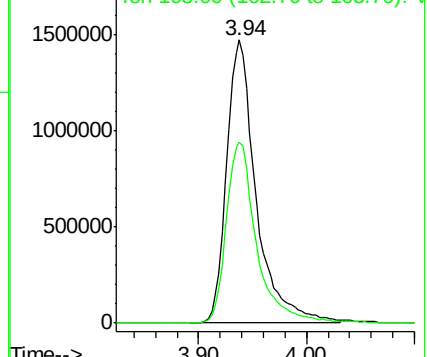
101 100

103 63.8 52.2 78.4



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: 9.950 ppbv

RT: 4.47 min Scan# 524

Delta R.T. -0.02 min

Lab File: VL037244.D

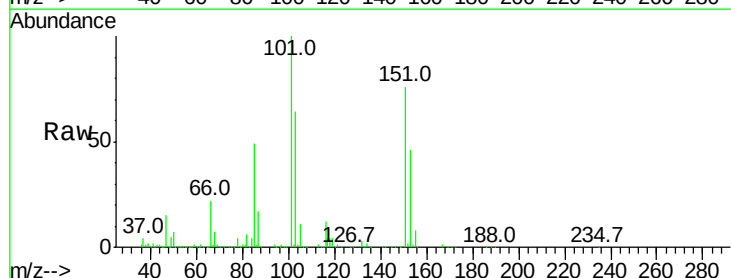
Acq: 29 Jun 2021 10:14

Tgt Ion:101 Resp: 2045887

Ion Ratio Lower Upper

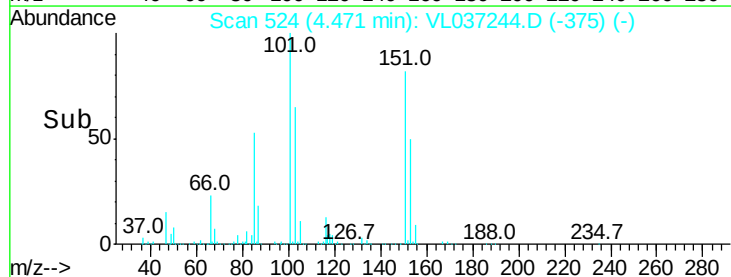
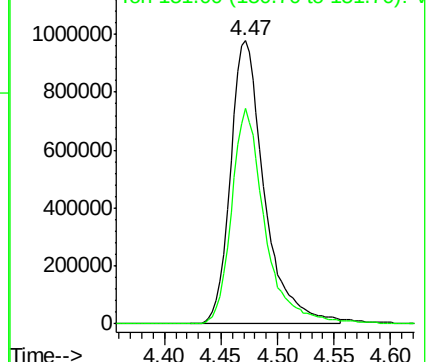
101 100

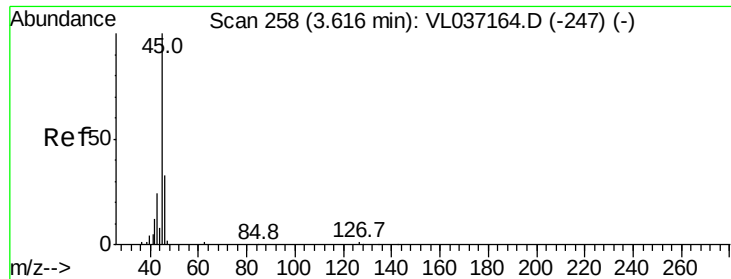
151 75.0 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V





#13

Ethanol

Concen: 6.331 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

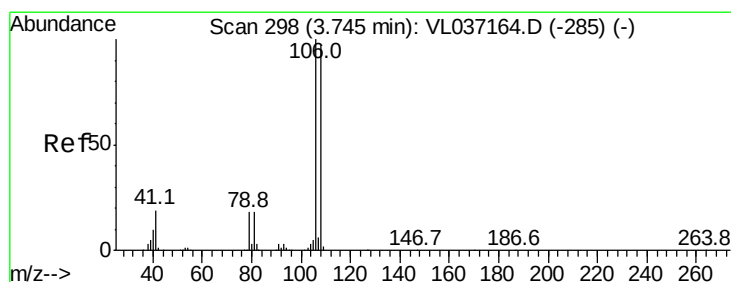
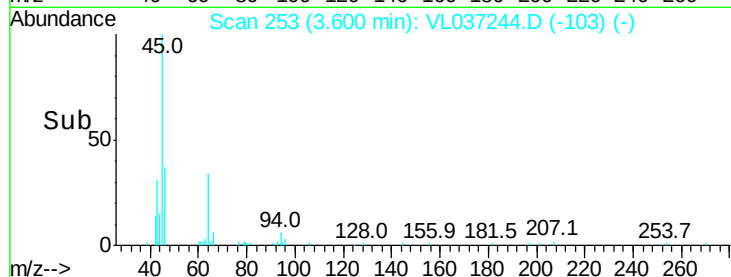
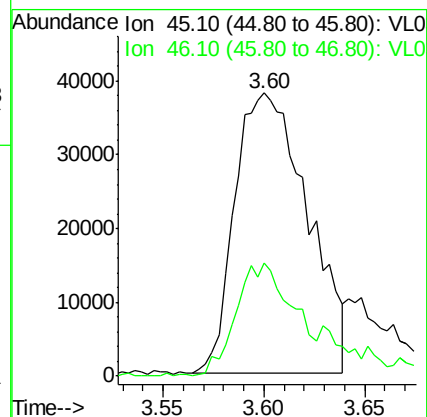
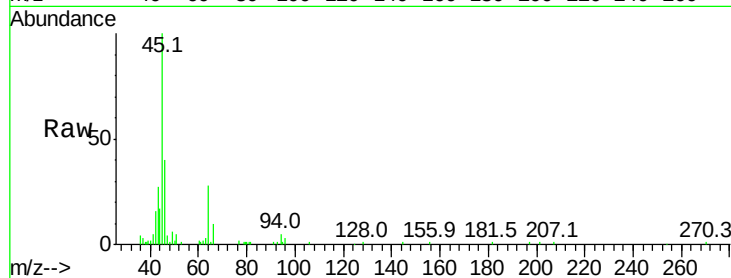
VSTDCCC010

Tgt Ion: 45 Resp: 95710

Ion Ratio Lower Upper

45 100

46 43.4 34.2 137.0



#14

Bromoethene

Concen: 9.594 ppbv

RT: 3.73 min Scan# 293

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

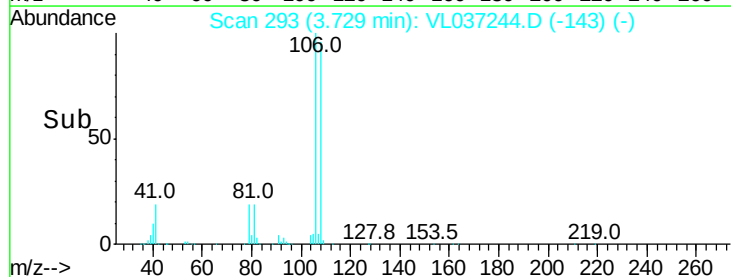
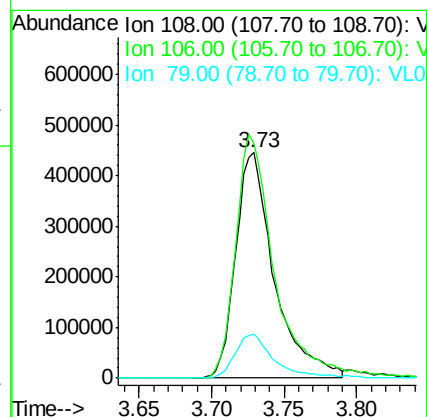
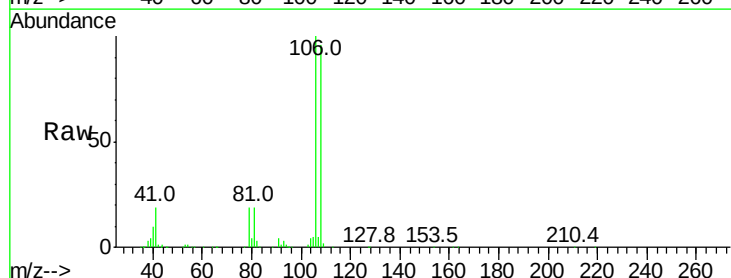
Tgt Ion: 108 Resp: 823417

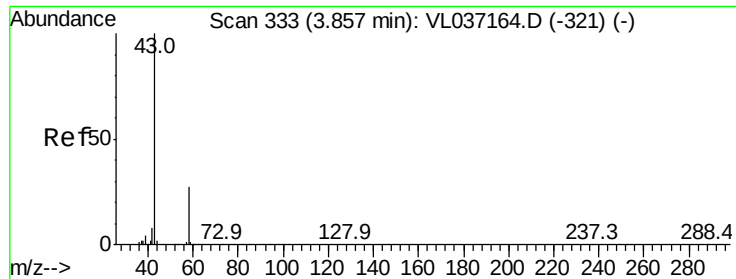
Ion Ratio Lower Upper

108 100

106 110.4 86.8 130.2

79 20.2 15.6 23.4





#15

Acetone

Concen: 7.903 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

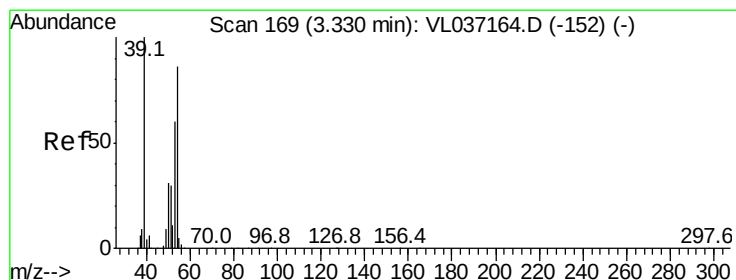
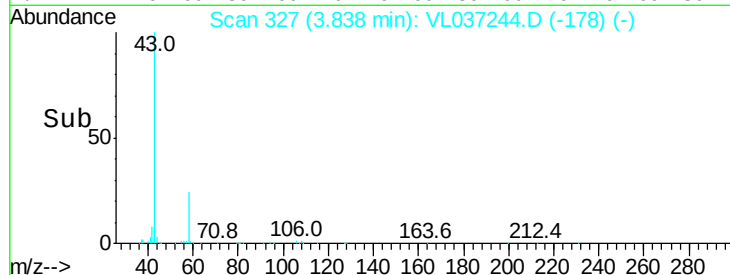
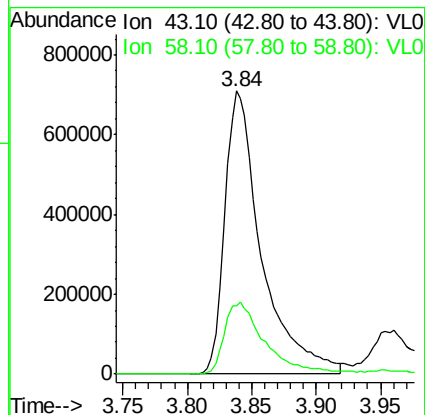
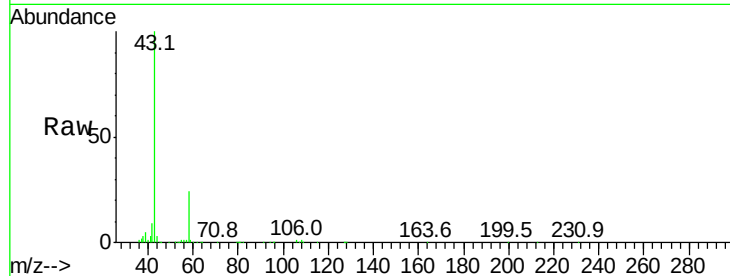
VSTDCCC010

Tgt Ion: 43 Resp: 1400823

Ion Ratio Lower Upper

43 100

58 28.1 23.7 35.5



#16

1,3-Butadiene

Concen: 9.901 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.02 min

Lab File: VL037244.D

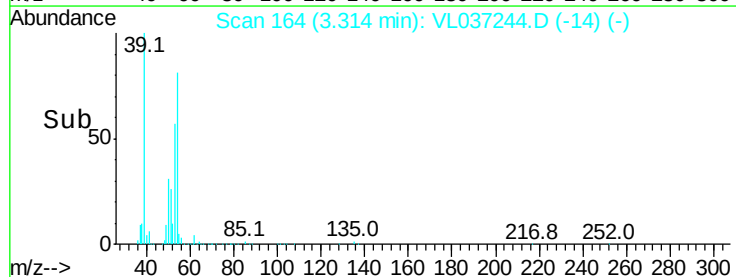
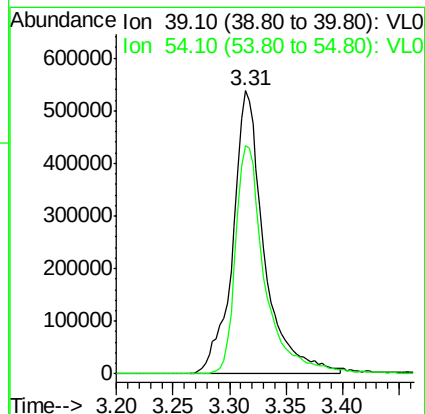
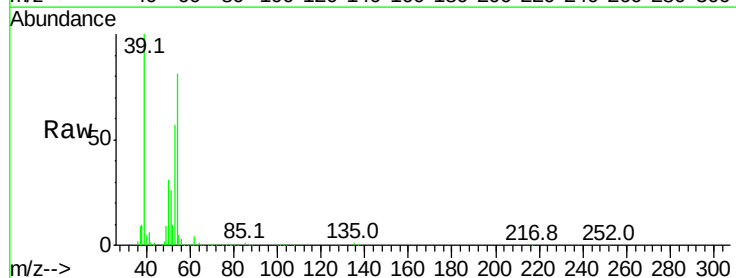
Acq: 29 Jun 2021 10:14

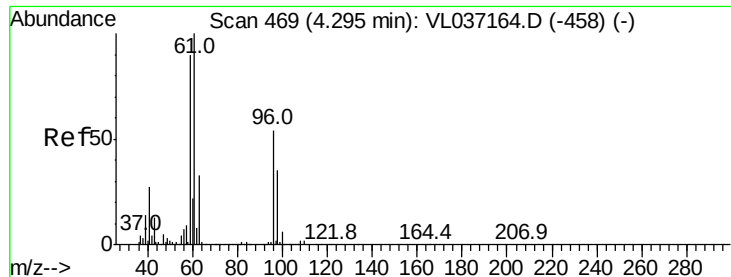
Tgt Ion: 39 Resp: 1037531

Ion Ratio Lower Upper

39 100

54 76.3 61.2 91.8





#17

tert-Butyl alcohol

Concen: 9.713 ppbv

RT: 4.28 min Scan# 465

Delta R.T. -0.01 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

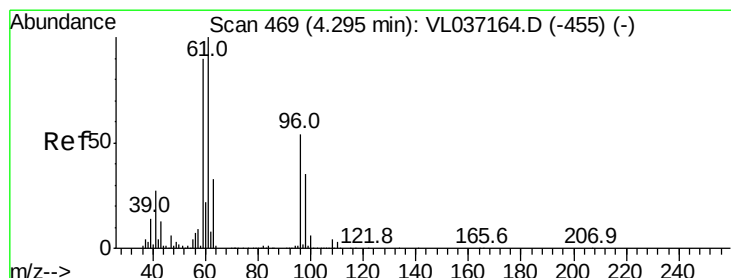
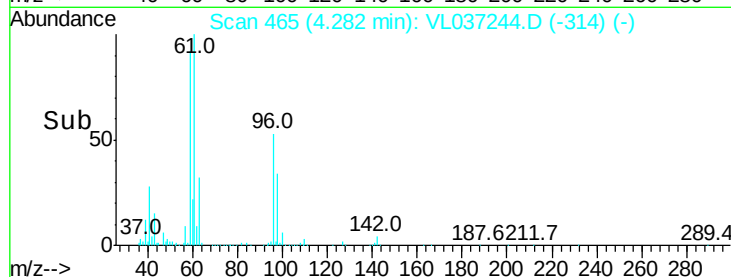
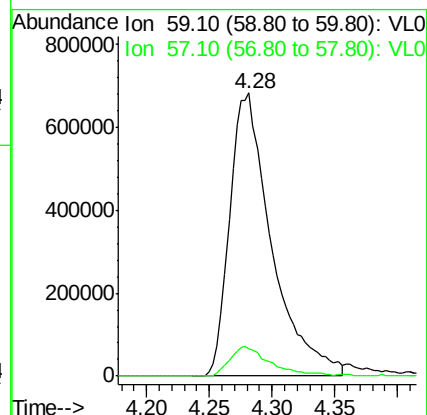
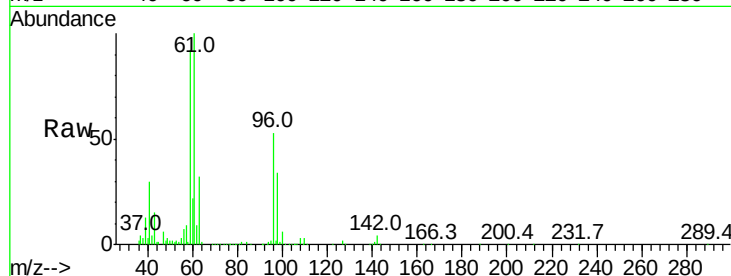
VSTDCCC010

Tgt Ion: 59 Resp: 1591342

Ion Ratio Lower Upper

59 100

57 10.5 8.8 13.2



#18

1,1-Dichloroethene

Concen: 9.825 ppbv

RT: 4.28 min Scan# 463

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

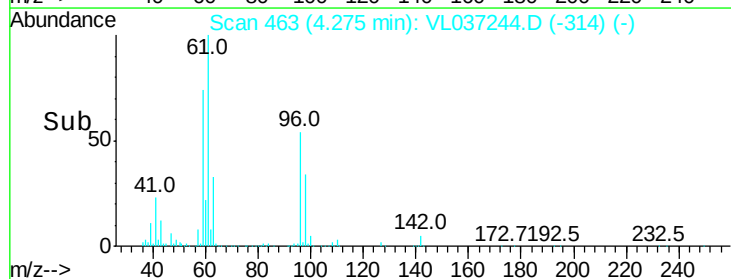
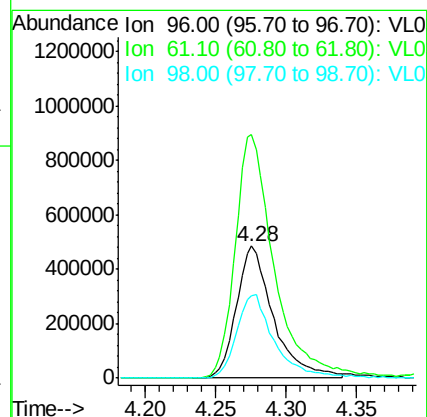
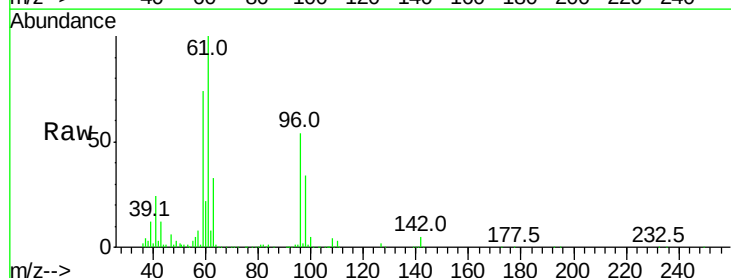
Tgt Ion: 96 Resp: 895248

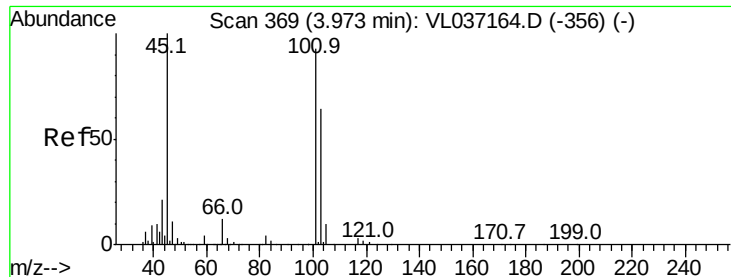
Ion Ratio Lower Upper

96 100

61 184.8 148.6 222.8

98 62.1 51.9 77.9





#19

Isopropyl Alcohol

Concen: 8.072 ppbv

RT: 3.96 min Scan# 364

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

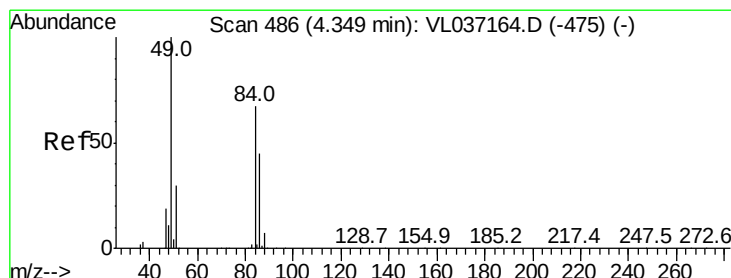
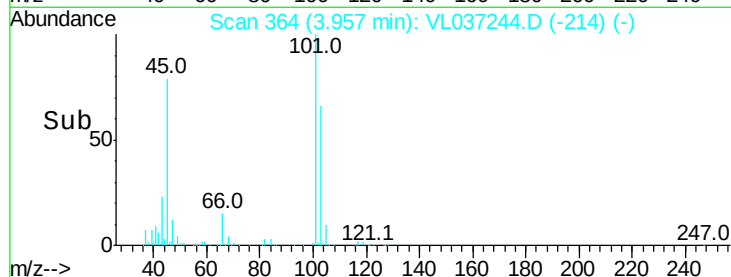
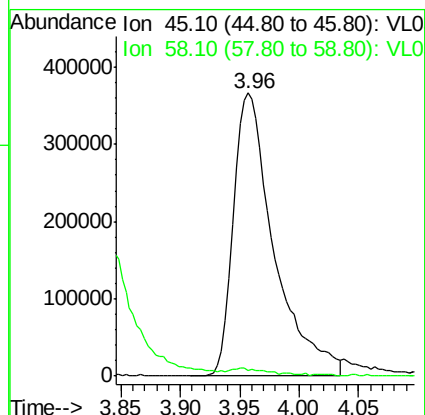
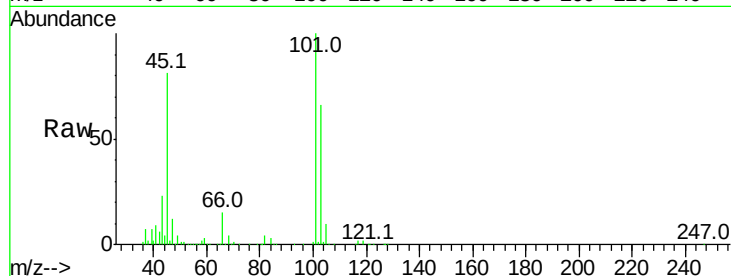
VSTDCCC010

Tgt Ion: 45 Resp: 866626

Ion Ratio Lower Upper

45 100

58 3.3 2.4 3.6



#20

Methylene Chloride

Concen: 7.201 ppbv

RT: 4.33 min Scan# 480

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Tgt Ion: 84 Resp: 764179

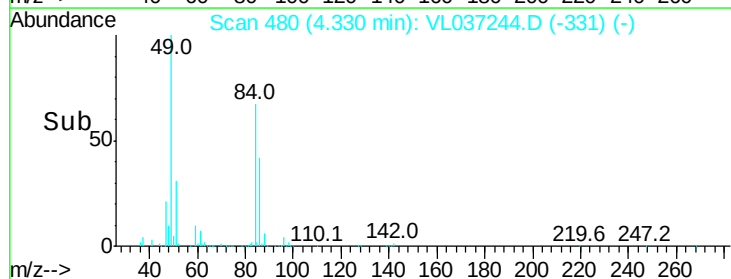
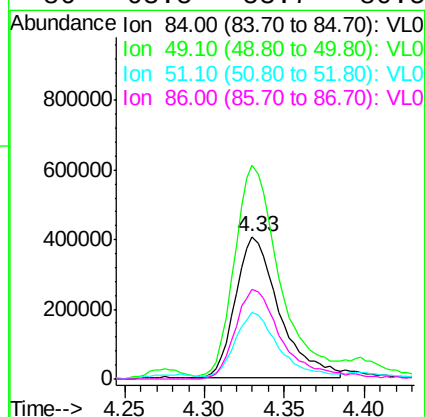
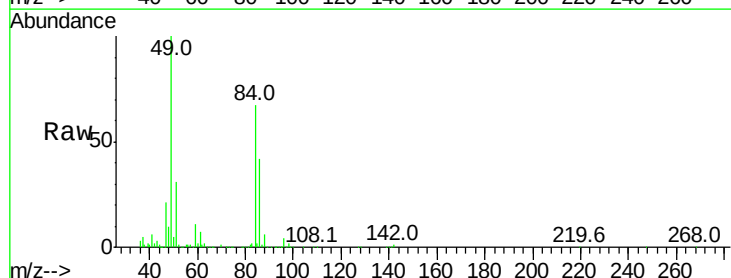
Ion Ratio Lower Upper

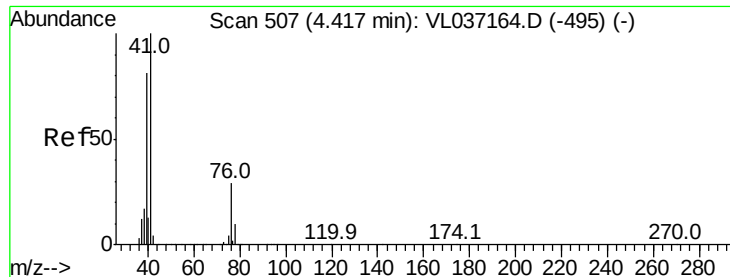
84 100

49 148.5 119.7 179.5

51 44.7 36.1 54.1

86 63.5 53.7 80.5





#21

Allyl Chloride

Concen: 9.760 ppbv

RT: 4.40 min Scan# 501

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

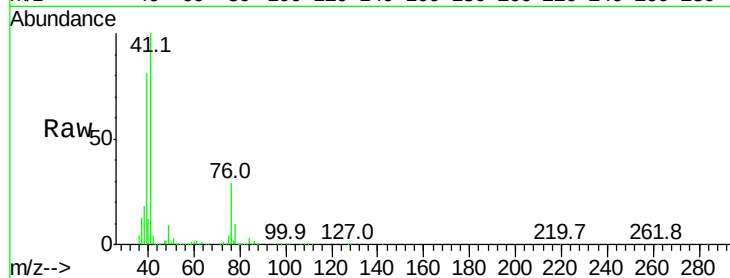
Tgt Ion: 41 Resp: 1304037

Ion Ratio Lower Upper

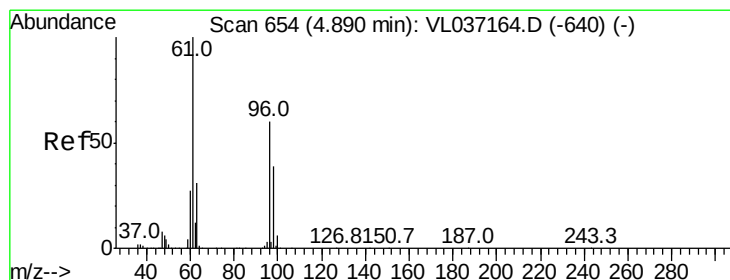
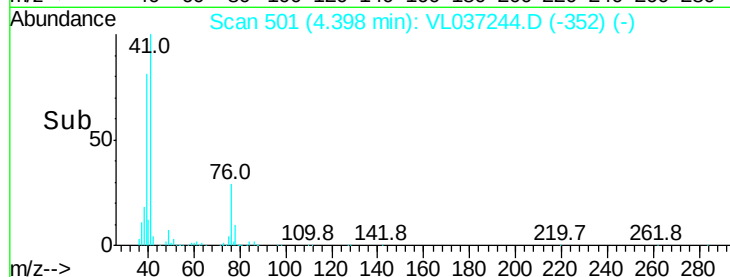
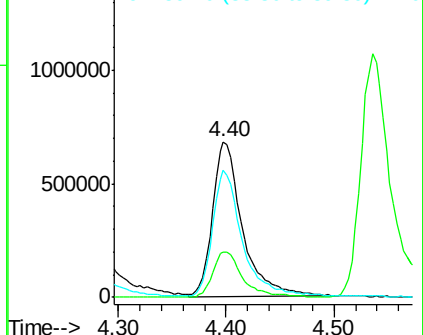
41 100

76 29.8 24.6 37.0

39 81.7 65.4 98.0



Abundance Ion 41.10 (40.80 to 41.80): VL0
Ion 76.10 (75.80 to 76.80): VL0
Ion 39.10 (38.80 to 39.80): VL0



#22

trans-1,2-Dichloroethene

Concen: 10.134 ppbv

RT: 4.87 min Scan# 649

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

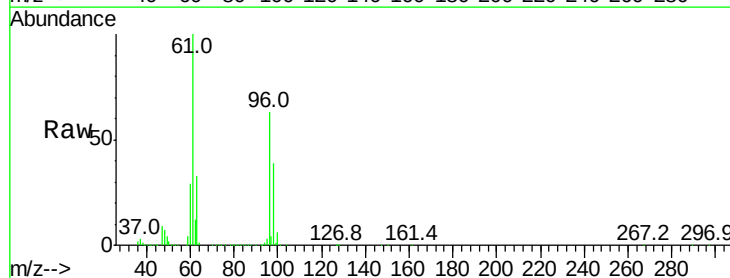
Tgt Ion: 96 Resp: 913774

Ion Ratio Lower Upper

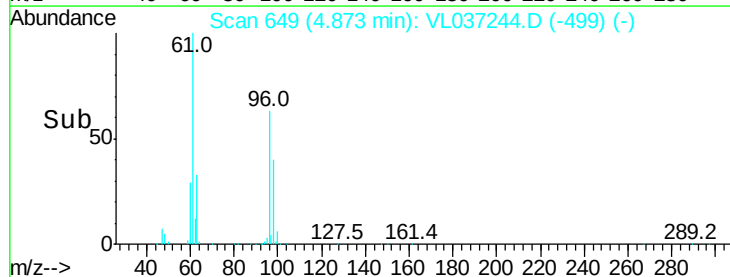
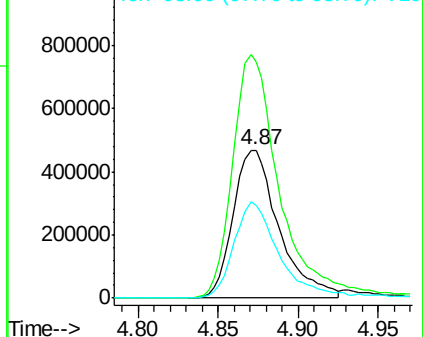
96 100

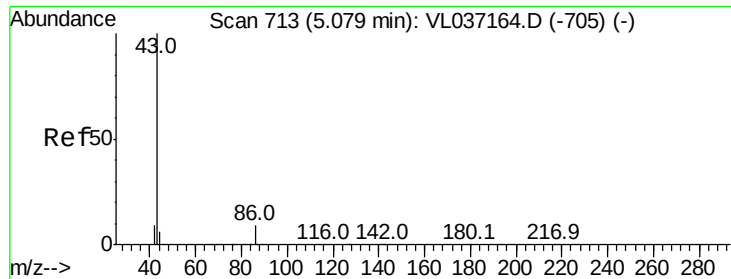
61 159.4 133.9 200.9

98 62.8 52.9 79.3



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





#23

Vinyl Acetate

Concen: 8.785 ppbv

RT: 5.06 min Scan# 707

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

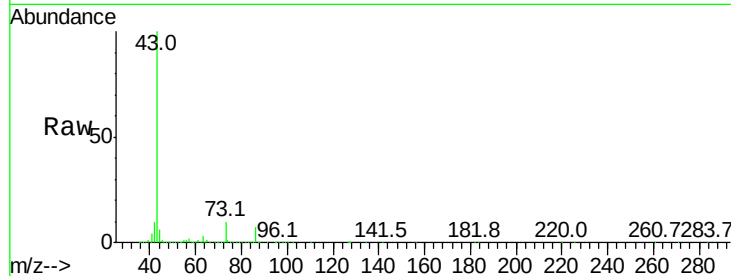
MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 2232844

Ion	Ratio	Lower	Upper
43	100		
86	6.9	5.8	8.8
42	10.4	8.2	12.2
44	5.0	4.2	6.4

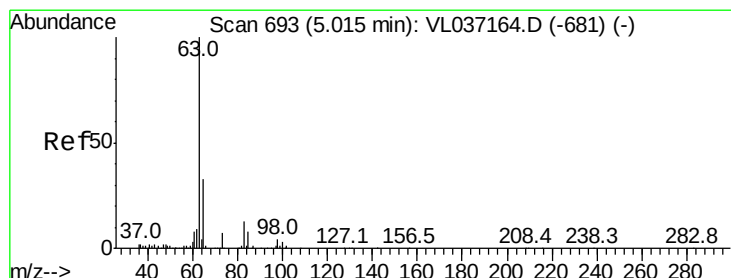
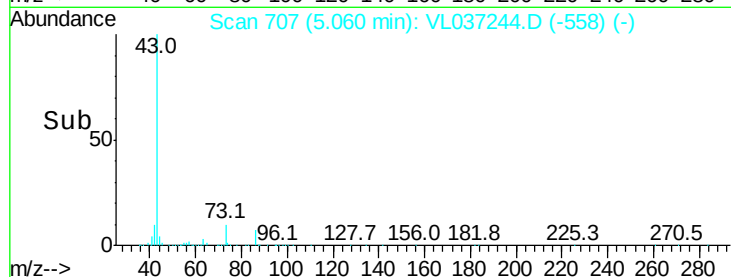


Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#24

1,1-Dichloroethane

Concen: 9.082 ppbv

RT: 5.00 min Scan# 688

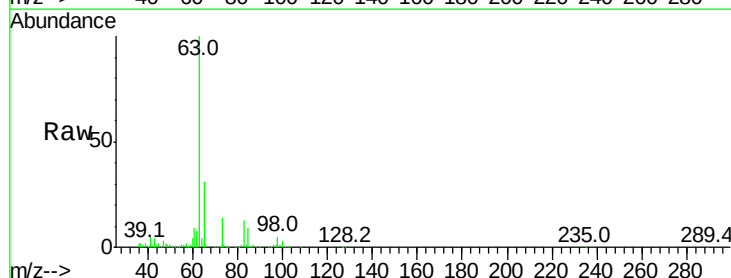
Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Tgt Ion: 63 Resp: 1858571

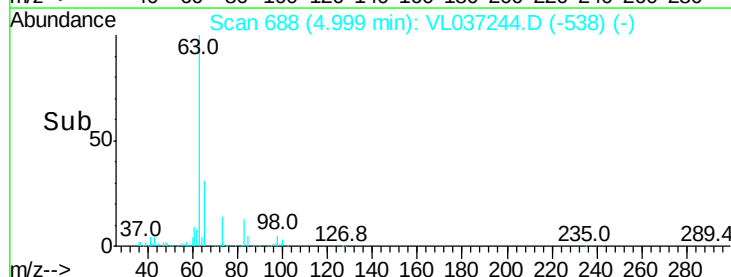
Ion	Ratio	Lower	Upper
63	100		
98	4.7	2.1	6.5
100	2.7	1.4	4.0

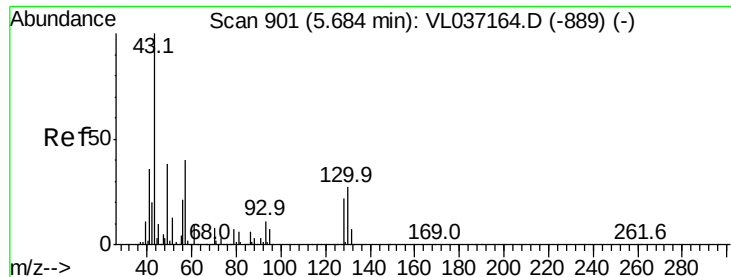


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0





#25

Ethyl Acetate

Concen: 9.441 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 43 Resp: 3622887

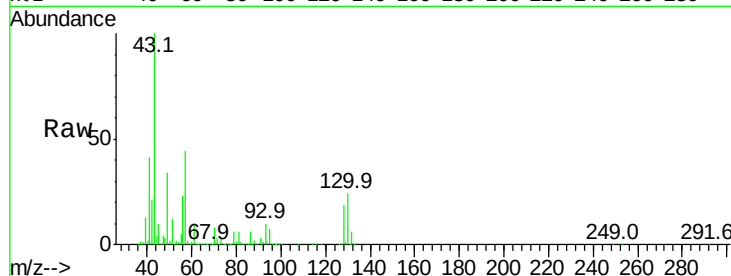
Ion	Ratio	Lower	Upper
43	100		
45	9.8	8.0	12.0
61	9.3	8.1	12.1
70	6.7	5.5	8.3

43 100

45 9.8 8.0 12.0

61 9.3 8.1 12.1

70 6.7 5.5 8.3

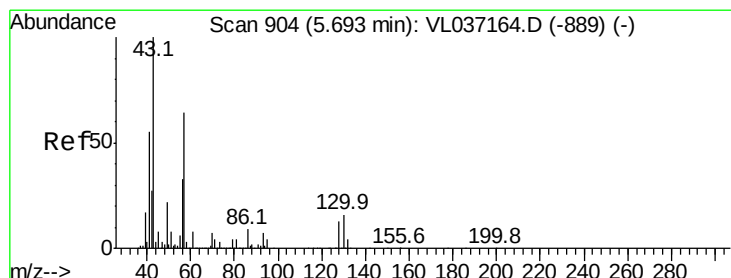
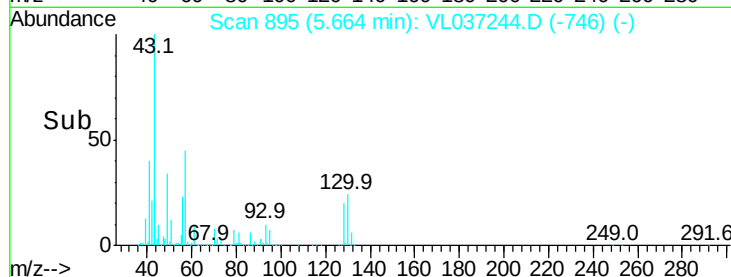
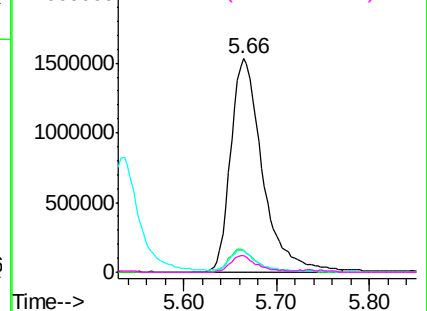


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 9.012 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Tgt Ion: 57 Resp: 1747855

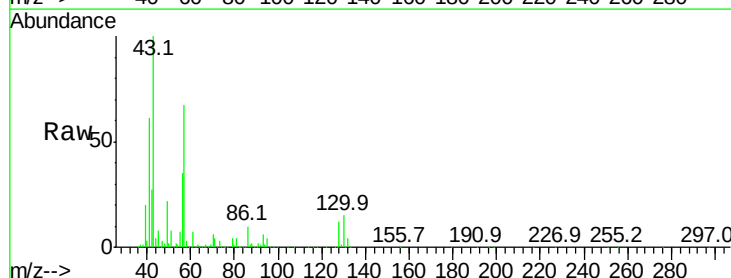
Ion	Ratio	Lower	Upper
57	100		
41	92.9	73.5	110.3
43	209.9	170.7	256.1
56	52.7	42.4	63.6

57 100

41 92.9 73.5 110.3

43 209.9 170.7 256.1

56 52.7 42.4 63.6

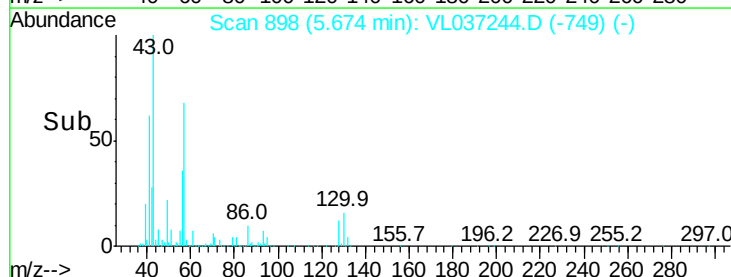
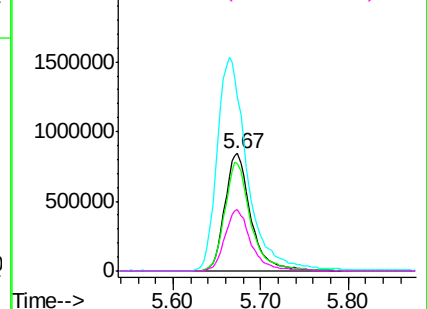


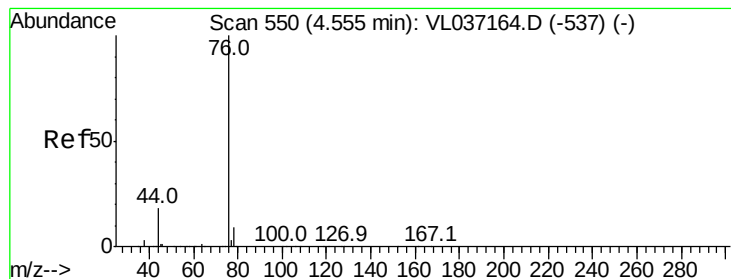
Abundance Ion 57.10 (56.80 to 57.80): VL0

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: 10.917 ppbv

RT: 4.54 min Scan# 544

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

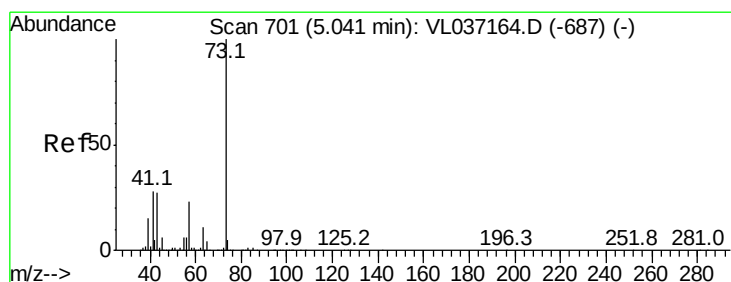
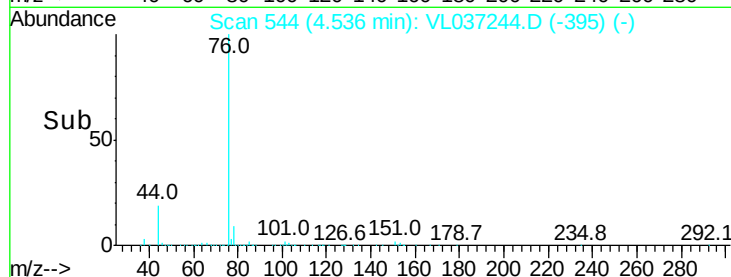
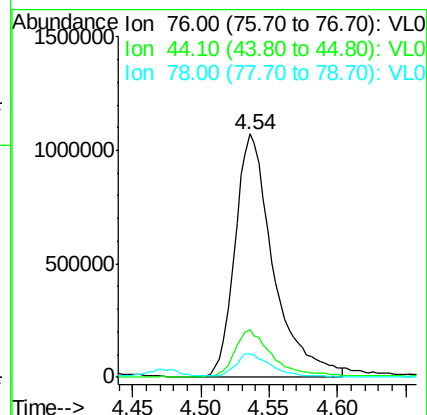
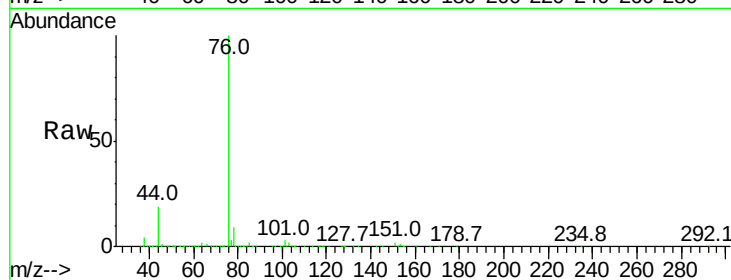
Tgt Ion: 76 Resp: 2074655

Ion Ratio Lower Upper

76 100

44 19.8 15.4 23.2

78 9.4 8.0 12.0



#28

Methyl tert-Butyl Ether

Concen: 8.523 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.02 min

Lab File: VL037244.D

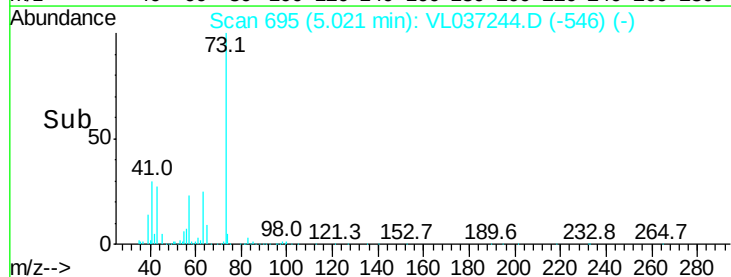
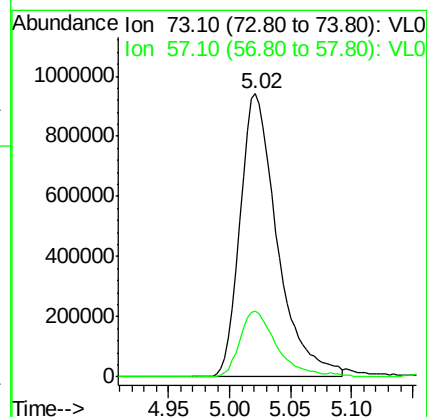
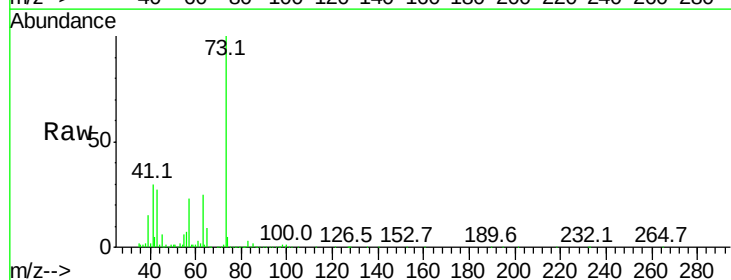
Acq: 29 Jun 2021 10:14

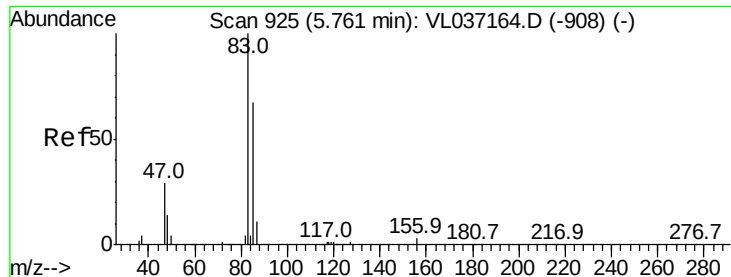
Tgt Ion: 73 Resp: 1987377

Ion Ratio Lower Upper

73 100

57 23.5 18.0 27.0

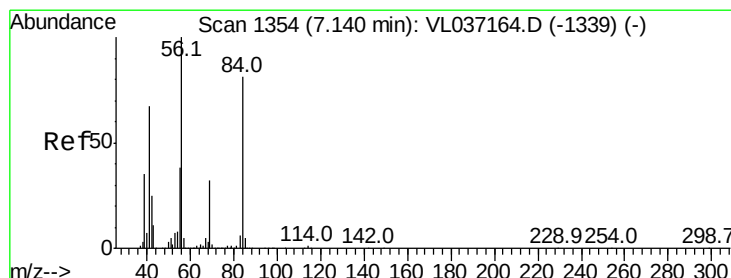
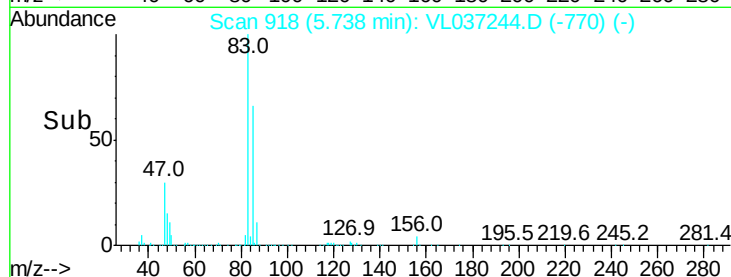
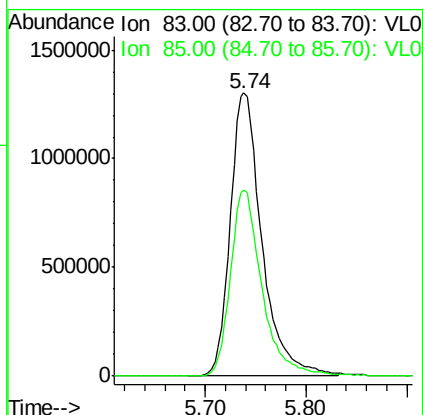
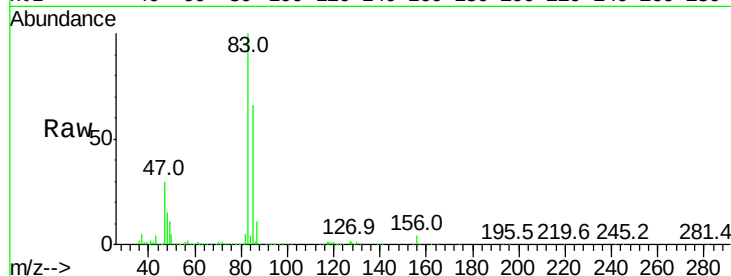




#29
Chloroform
Concen: 9.510 ppbv
RT: 5.74 min Scan# 918
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

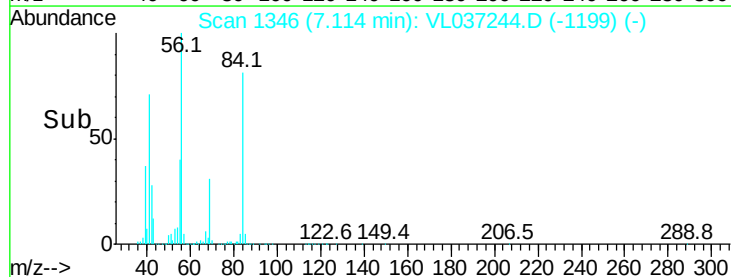
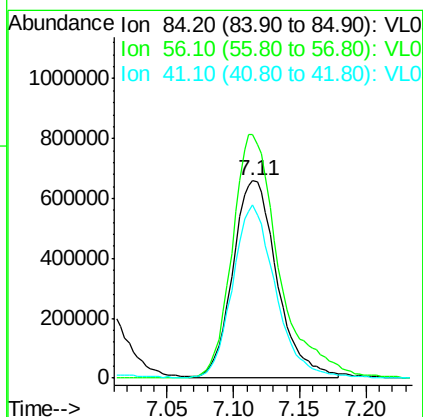
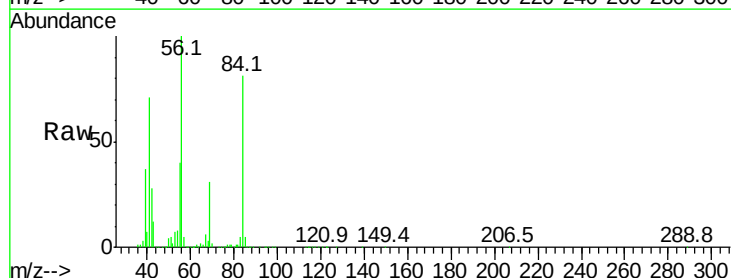
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

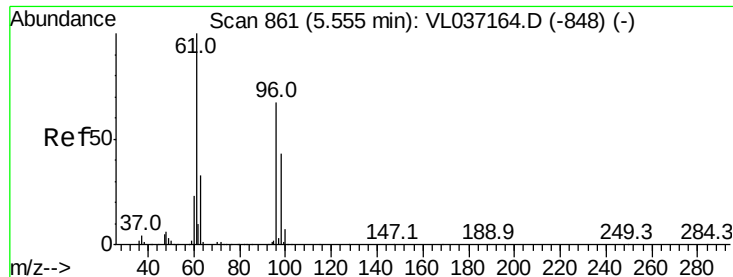
Tgt Ion: 83 Resp: 2849136
Ion Ratio Lower Upper
83 100
85 65.7 53.6 80.4



#30
Cyclohexane
Concen: 9.439 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion: 84 Resp: 1525388
Ion Ratio Lower Upper
84 100
56 131.4 107.7 161.5
41 85.7 69.0 103.6





#31

cis-1,2-Dichloroethene

Concen: 9.585 ppbv

RT: 5.54 min Scan# 855

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDC010

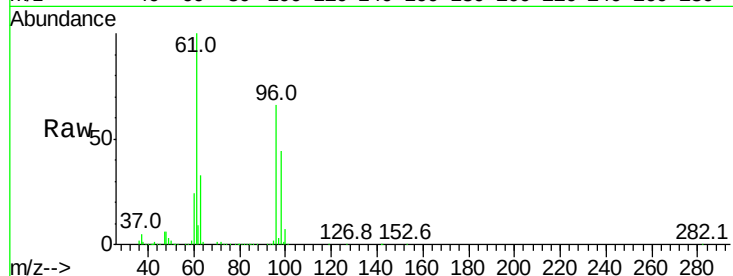
Tgt Ion: 61 Resp: 1708187

Ion Ratio Lower Upper

61 100

96 66.4 53.6 80.4

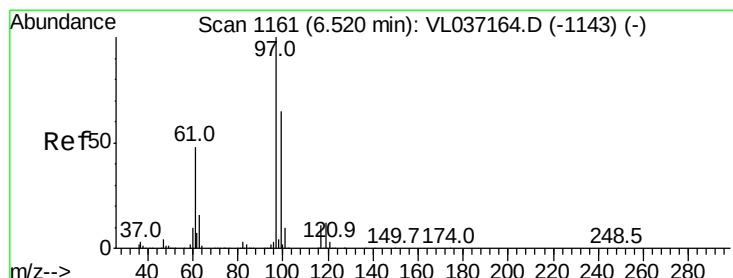
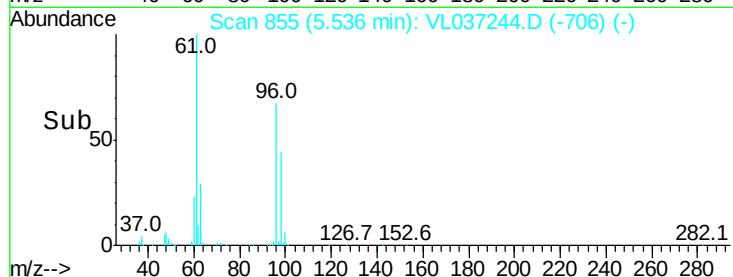
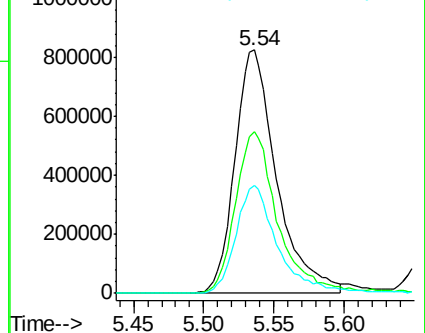
98 44.1 34.7 52.1



Abundance Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0



#32

1,1,1-Trichloroethane

Concen: 9.321 ppbv

RT: 6.50 min Scan# 1154

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

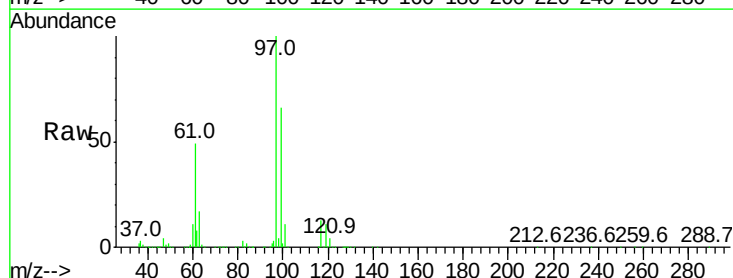
Tgt Ion: 97 Resp: 2988357

Ion Ratio Lower Upper

97 100

99 65.6 52.2 78.4

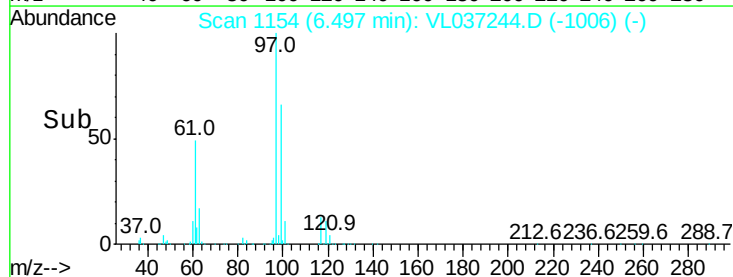
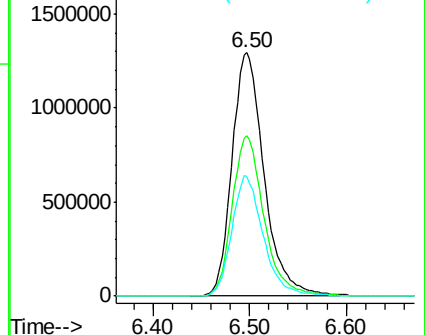
61 48.5 38.8 58.2

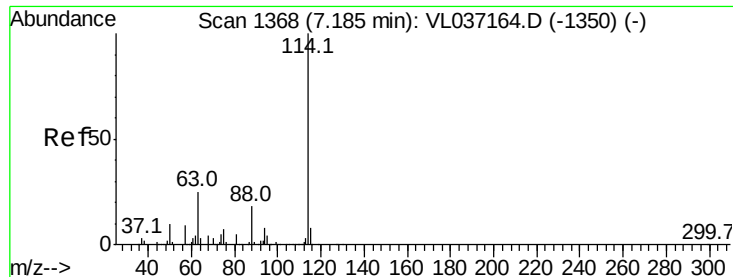


Abundance Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

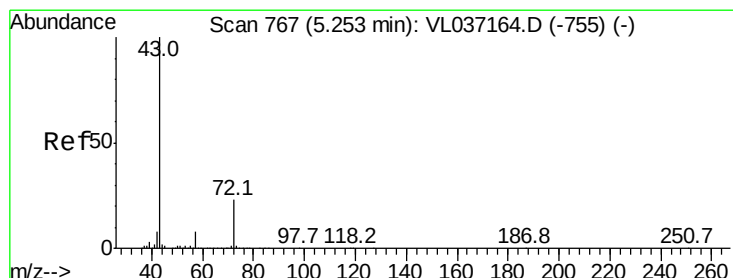
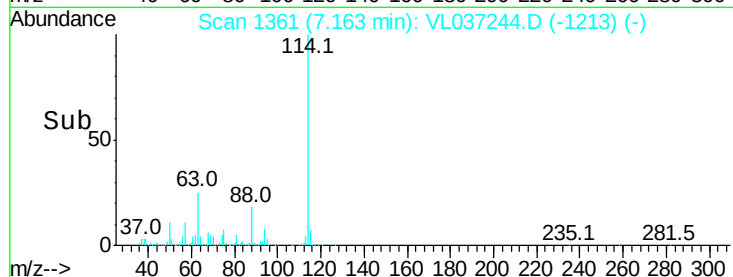
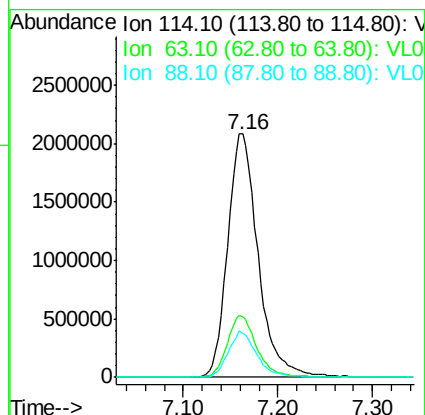
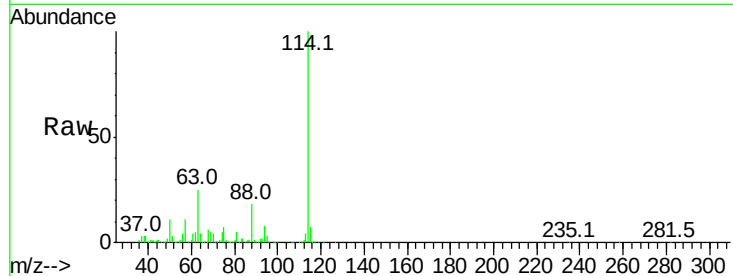




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

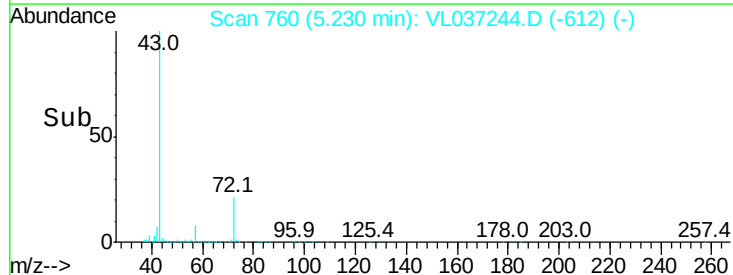
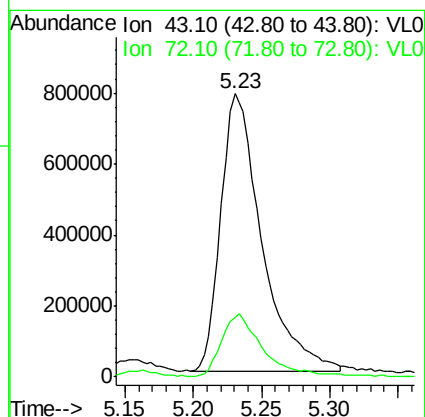
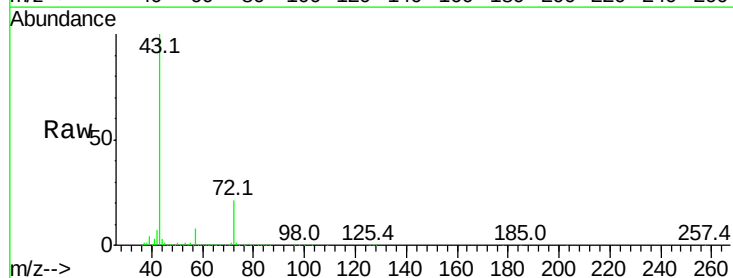
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

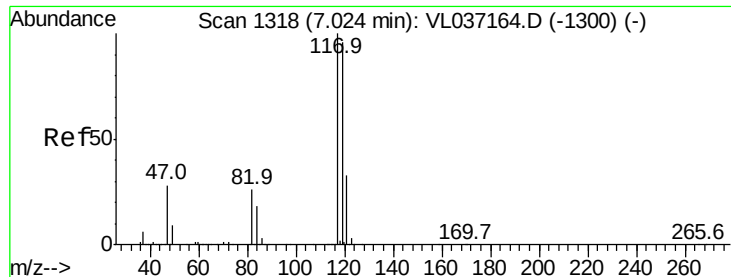
Tgt Ion:114 Resp: 4652096
 Ion Ratio Lower Upper
 114 100
 63 25.1 19.6 29.4
 88 17.9 14.2 21.2



#34
 2-Butanone
 Concen: 9.104 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion: 43 Resp: 1647231
 Ion Ratio Lower Upper
 43 100
 72 23.1 18.9 28.3





#35

Carbon Tetrachloride

Concen: 10.228 ppbv

RT: 7.00 min Scan# 1311

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

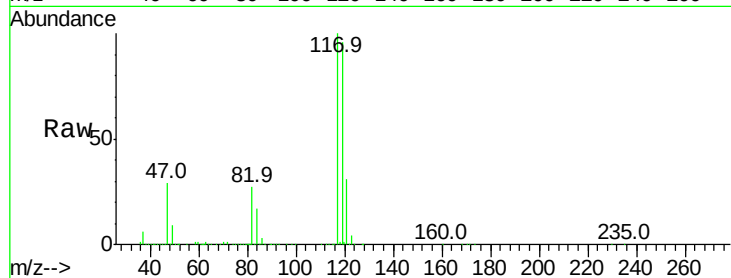
Tgt Ion:117 Resp: 3191433

Ion Ratio Lower Upper

117 100

119 96.4 76.6 114.8

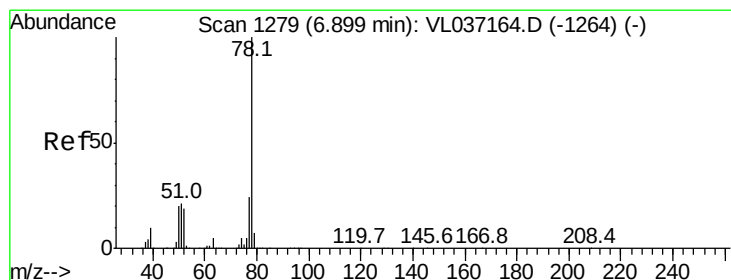
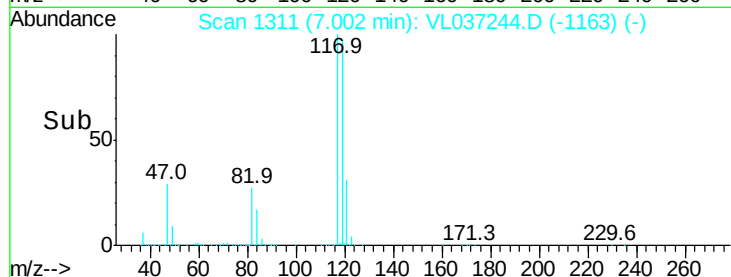
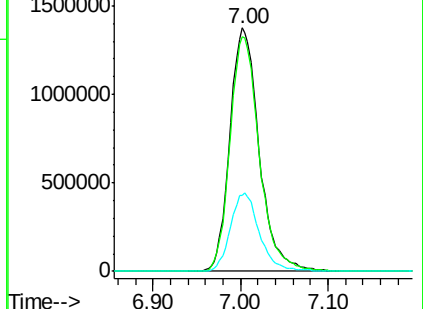
121 31.2 26.4 39.6



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: 9.448 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

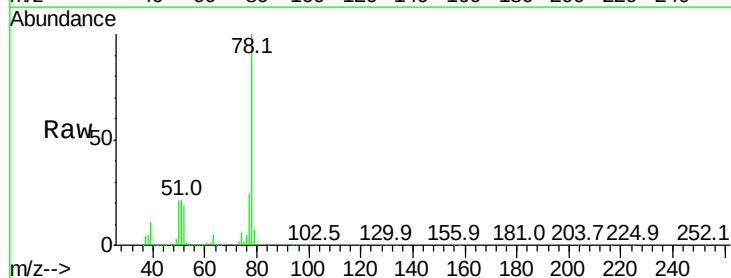
Tgt Ion: 78 Resp: 3553979

Ion Ratio Lower Upper

78 100

77 24.1 19.0 28.6

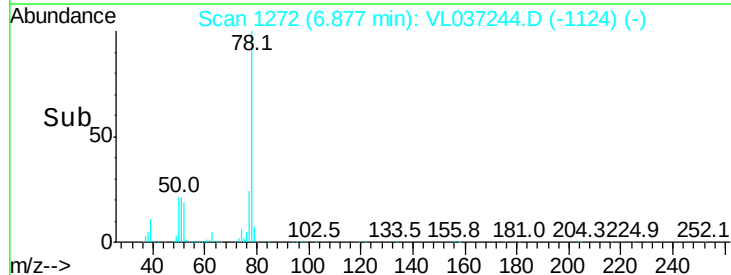
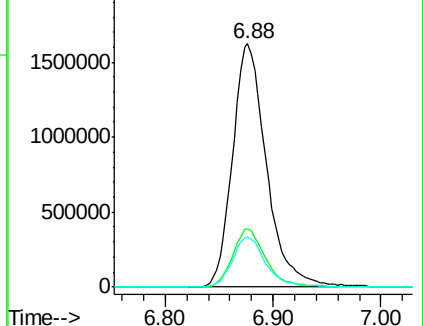
50 20.7 15.7 23.5

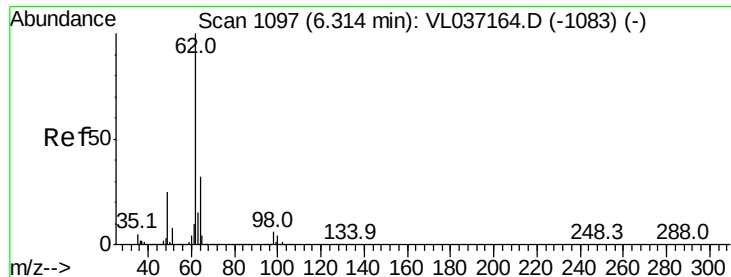


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

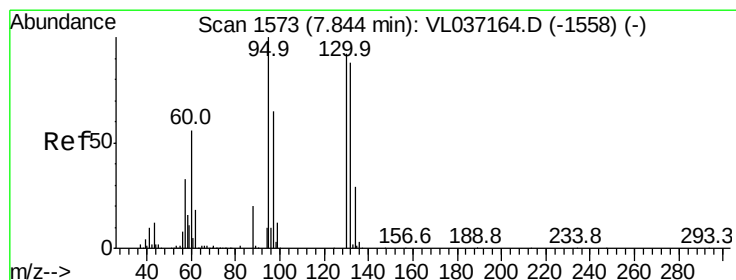
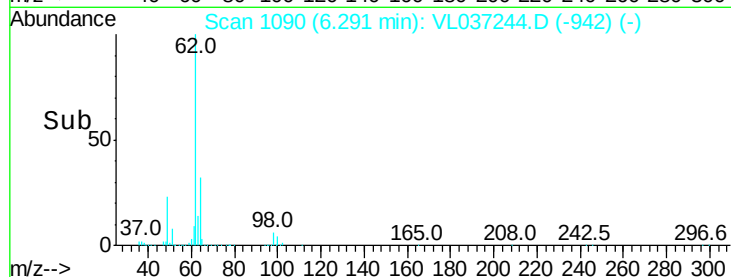
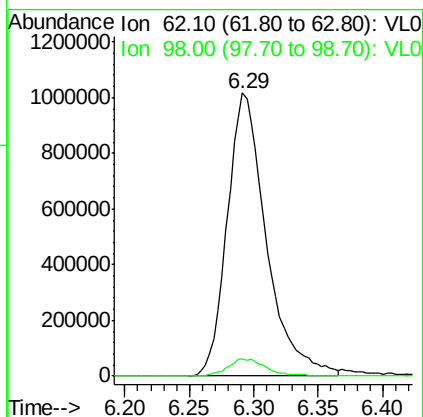
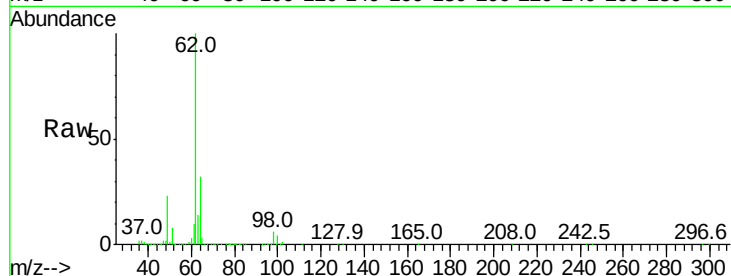




#37
 1,2-Dichloroethane
 Concen: 9.812 ppbv
 RT: 6.29 min Scan# 1090
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

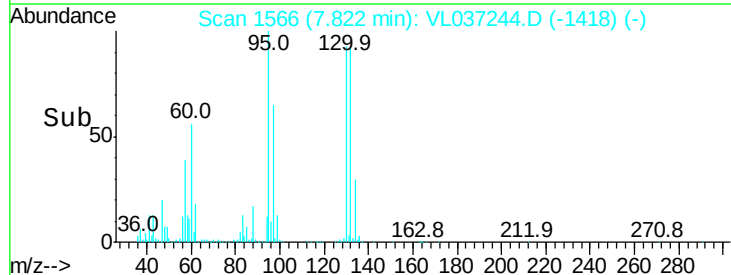
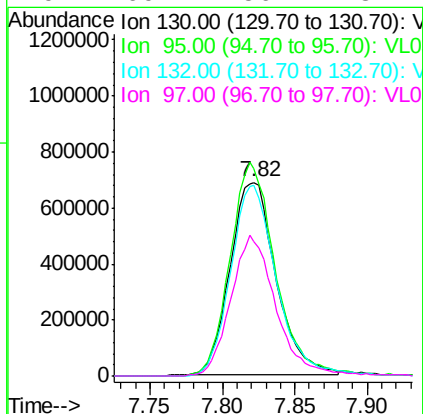
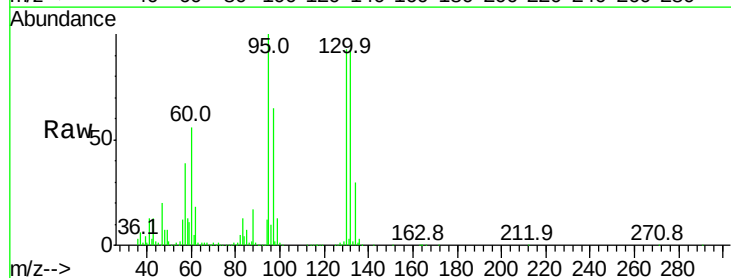
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

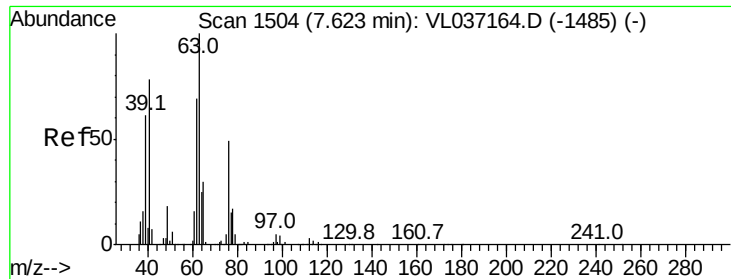
Tgt Ion: 62 Resp: 2144184
 Ion Ratio Lower Upper
 62 100
 98 6.1 5.0 7.6



#38
 Trichloroethene
 Concen: 8.391 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion: 130 Resp: 1500455
 Ion Ratio Lower Upper
 130 100
 95 107.8 86.6 129.8
 132 99.1 76.6 114.8
 97 69.7 56.1 84.1





#39

1,2-Dichloropropane

Concen: 9.891 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

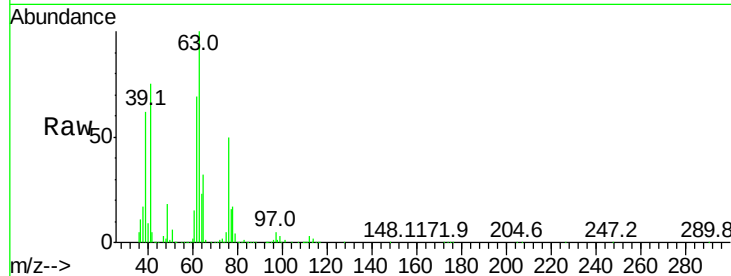
Tgt Ion: 63 Resp: 1382655

Ion Ratio Lower Upper

63 100

41 74.4 62.0 93.0

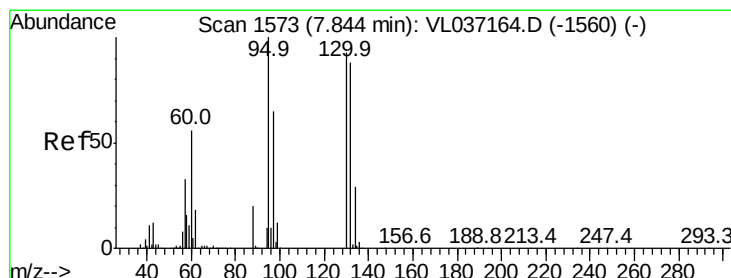
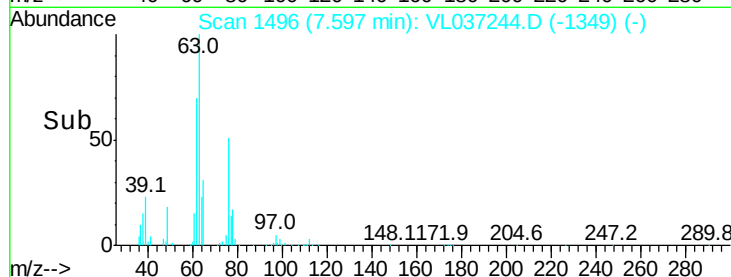
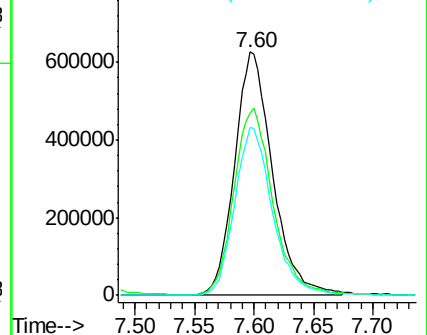
62 69.1 54.9 82.3



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#40

1,4-Dioxane

Concen: 8.060 ppbv

RT: 7.82 min Scan# 1566

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Tgt Ion: 88 Resp: 308960

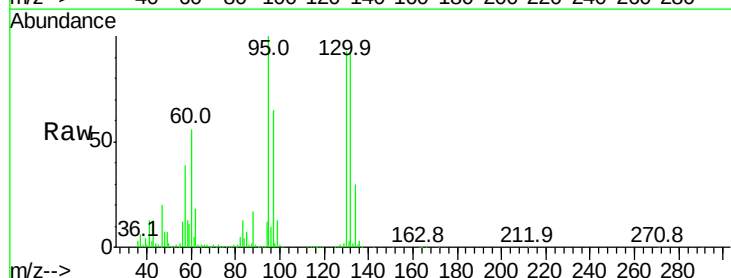
Ion Ratio Lower Upper

88 100

58 0.0 118.4 177.6#

43 0.0 284.0 426.0#

57 0.0 1231.8 1847.6#

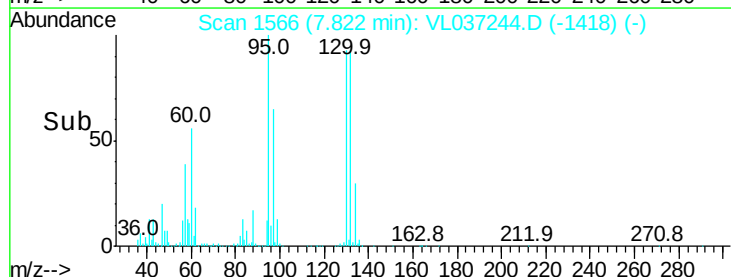
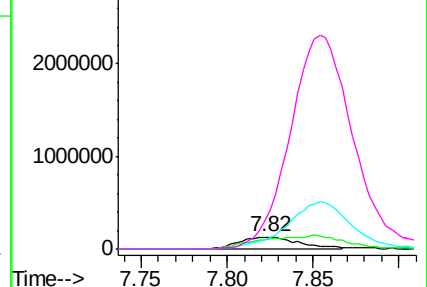


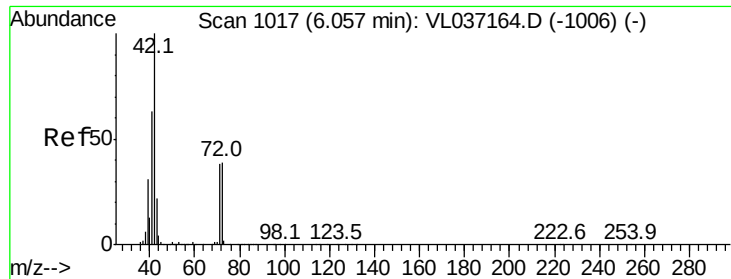
Abundance Ion 88.10 (87.80 to 88.80): VL0

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: 9.905 ppbv

RT: 6.04 min Scan# 1012

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

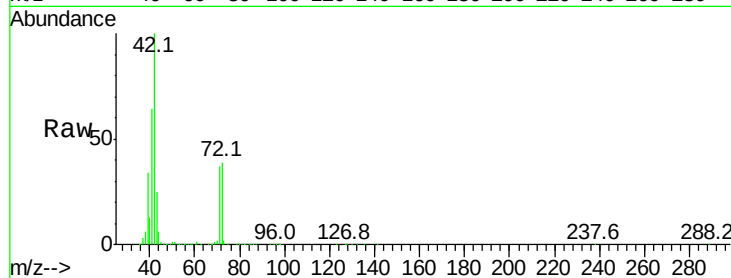
Tgt Ion: 42 Resp: 832438

Ion Ratio Lower Upper

42 100

72 40.4 33.0 49.4

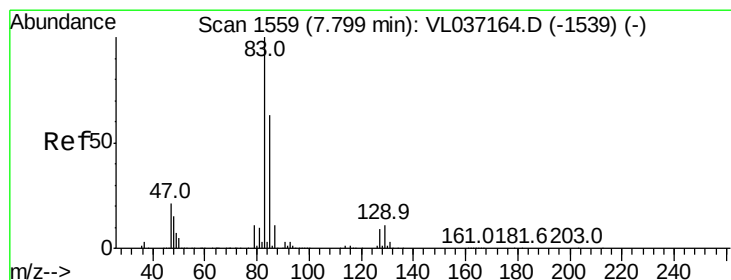
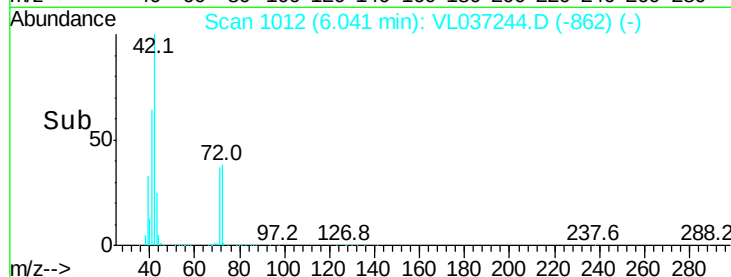
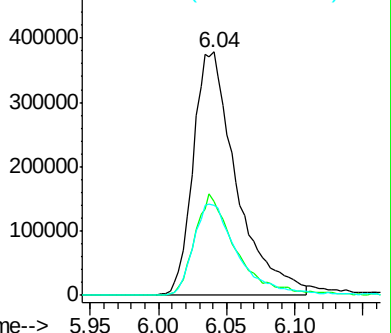
71 39.3 31.0 46.6



Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 10.134 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

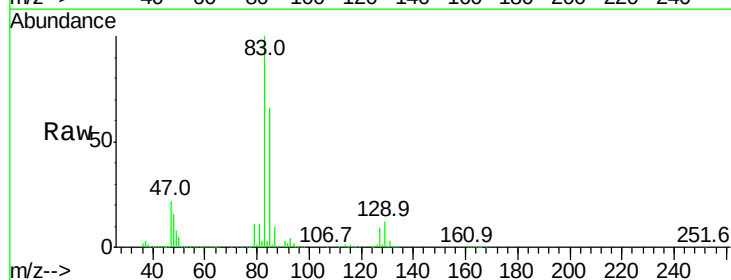
Tgt Ion: 83 Resp: 3055312

Ion Ratio Lower Upper

83 100

85 66.1 50.8 76.2

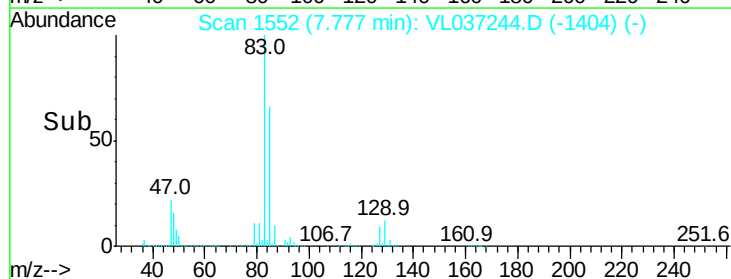
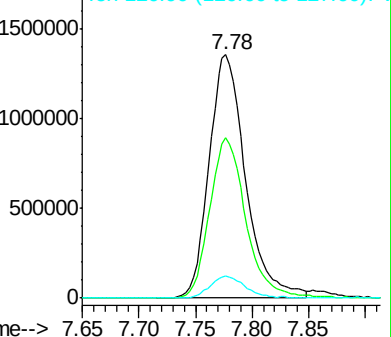
127 9.1 7.0 10.6

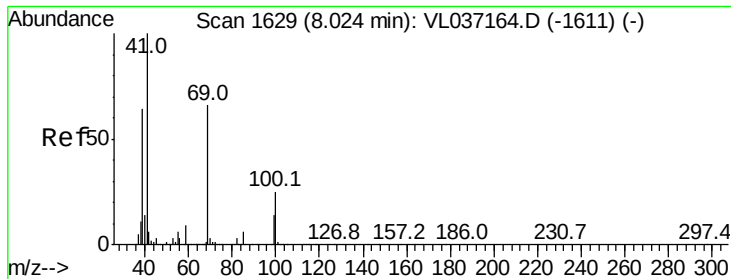


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): V





#43

Methyl Methacrylate

Concen: 10.127 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. -0.02 min

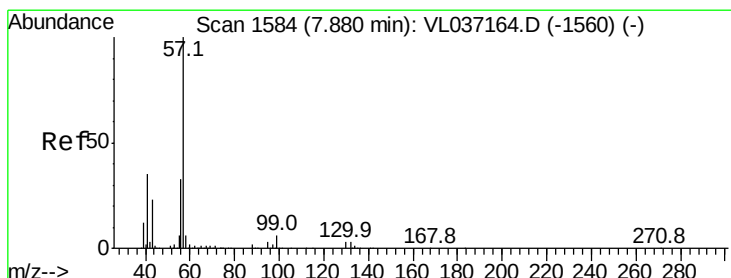
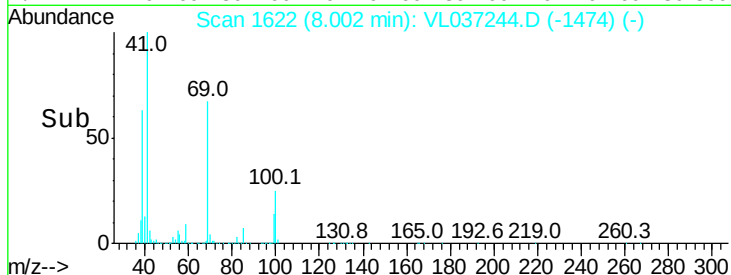
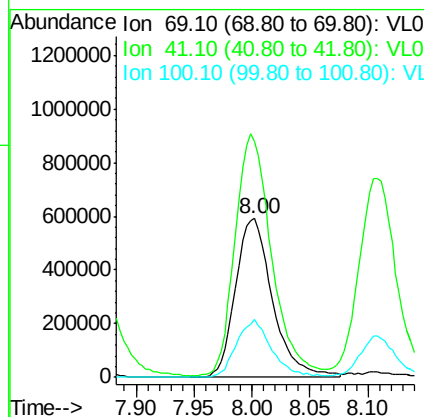
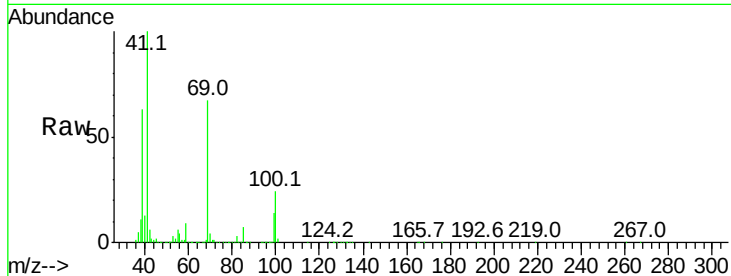
Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

Tgt Ion: 69 Resp: 1315692

Ion	Ratio	Lower	Upper
69	100		
41	151.0	119.4	179.0
100	34.8	28.6	43.0



#44

2,2,4-Trimethylpentane

Concen: 9.391 ppbv

RT: 7.85 min Scan# 1576

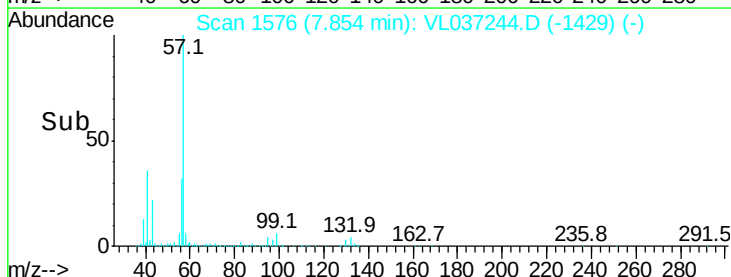
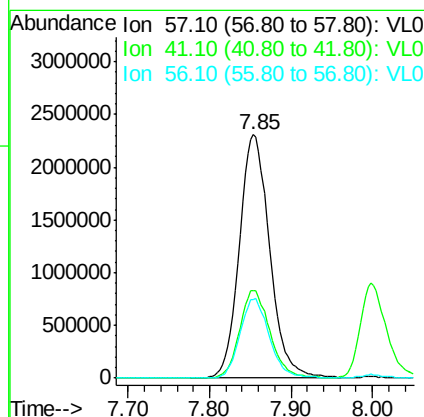
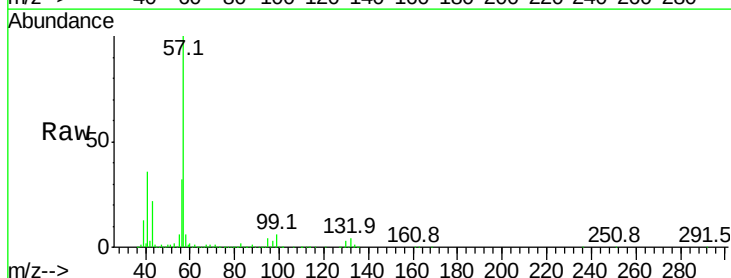
Delta R.T. -0.03 min

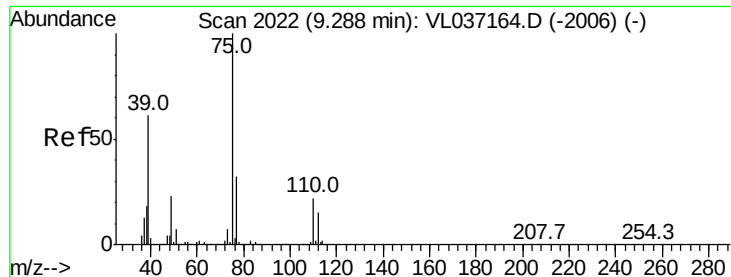
Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Tgt Ion: 57 Resp: 5948452

Ion	Ratio	Lower	Upper
57	100		
41	35.9	27.6	41.4
56	31.7	25.3	37.9





#45

t-1,3-Dichloropropene

Concen: 8.506 ppbv

RT: 9.27 min Scan# 2015

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

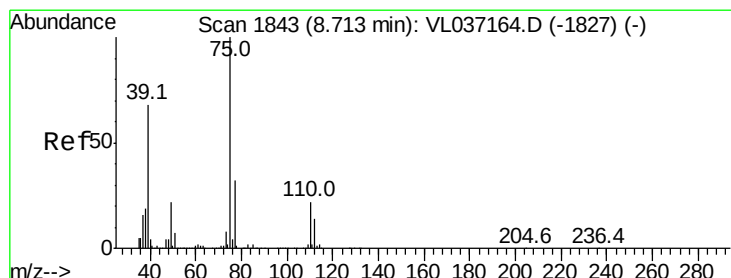
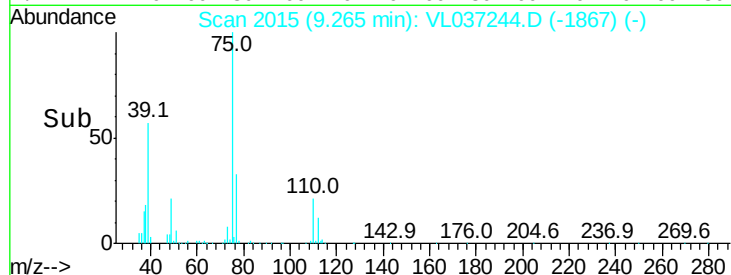
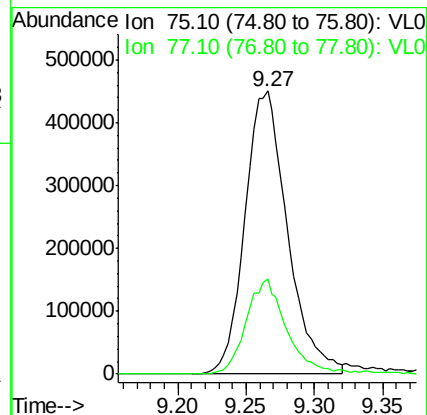
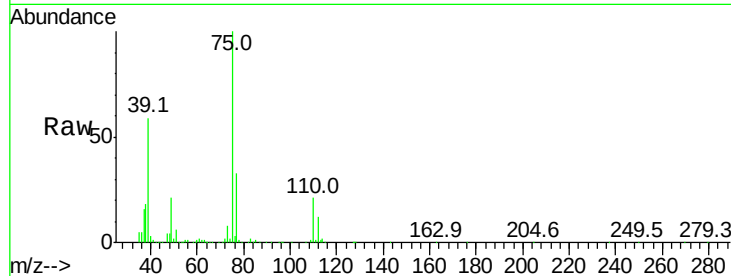
VSTDCCC010

Tgt Ion: 75 Resp: 975006

Ion Ratio Lower Upper

75 100

77 33.5 25.6 38.4



#46

cis-1,3-Dichloropropene

Concen: 7.895 ppbv

RT: 8.69 min Scan# 1836

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

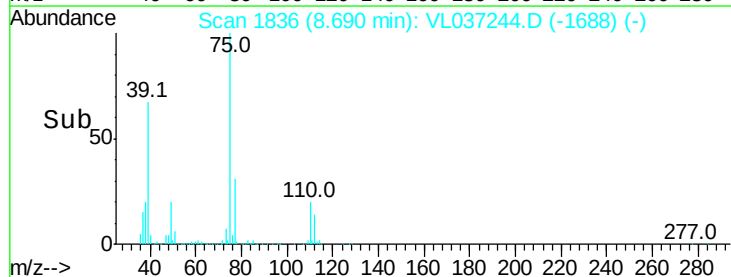
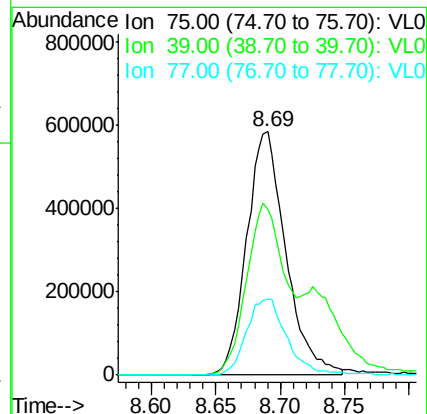
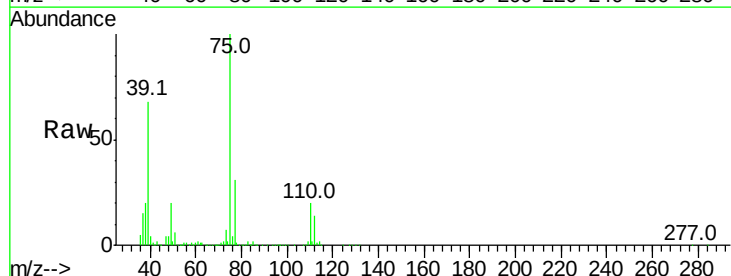
Tgt Ion: 75 Resp: 1237953

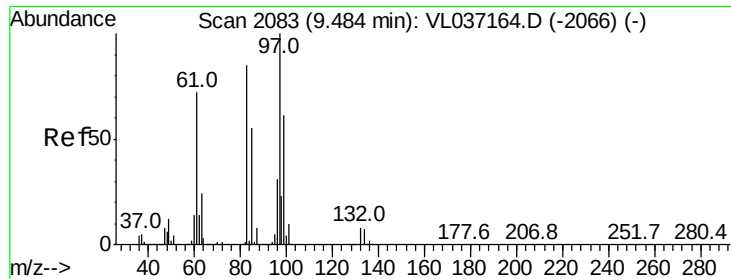
Ion Ratio Lower Upper

75 100

39 67.7 54.7 82.1

77 31.2 25.8 38.8





#47

1,1,2-Trichloroethane

Concen: 9.618 ppbv

RT: 9.46 min Scan# 2075

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

Tgt Ion: 97 Resp: 1533862

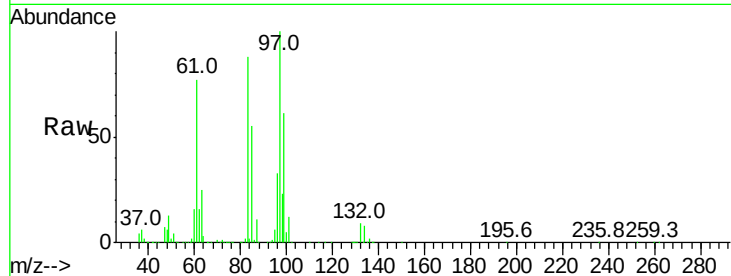
Ion Ratio Lower Upper

97 100

83 87.5 68.3 102.5

85 55.4 44.1 66.1

99 61.1 48.6 72.8



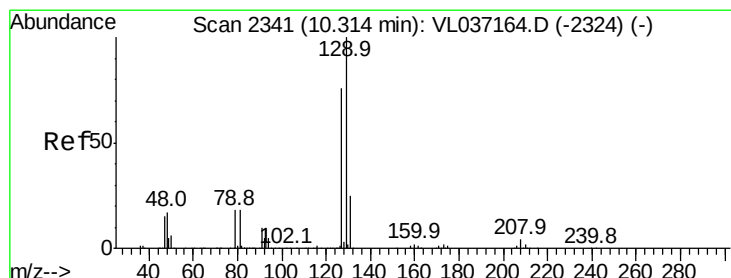
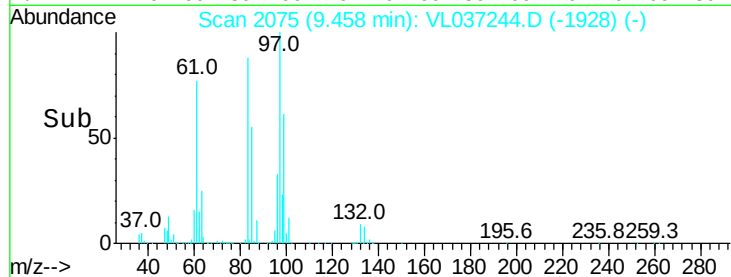
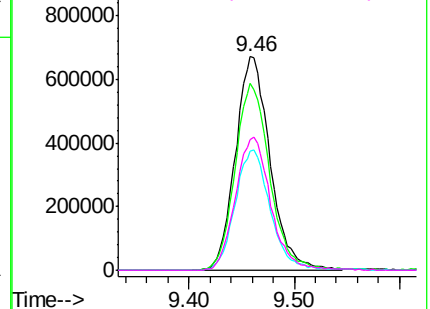
Abundance

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: 11.015 ppbv

RT: 10.29 min Scan# 2333

Delta R.T. -0.03 min

Lab File: VL037244.D

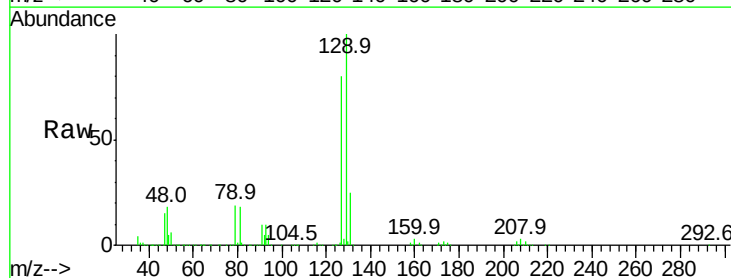
Acq: 29 Jun 2021 10:14

Tgt Ion: 129 Resp: 2772878

Ion Ratio Lower Upper

129 100

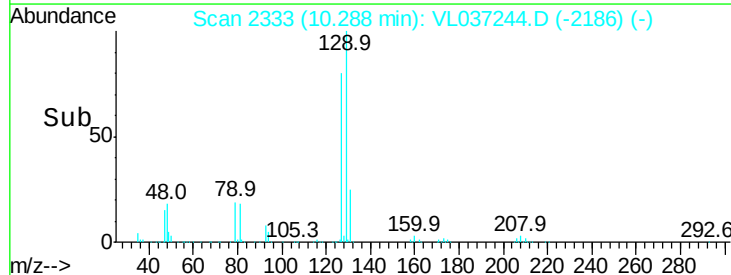
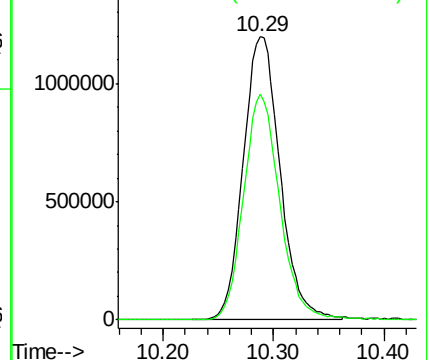
127 78.7 39.1 117.2

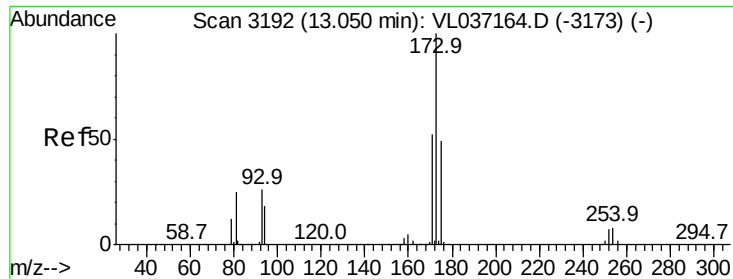


Abundance

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V





#49

Bromoform

Concen: 12.102 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

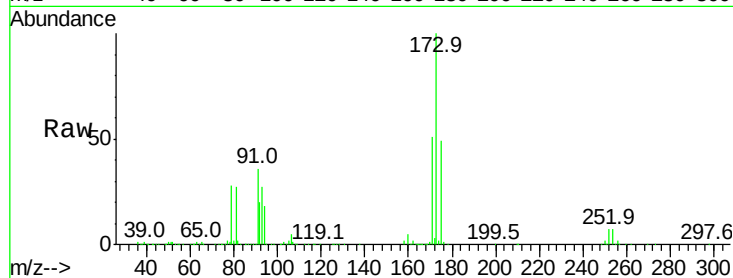
Tgt Ion:173 Resp: 2269848

Ion Ratio Lower Upper

173 100

175 49.5 40.2 60.4

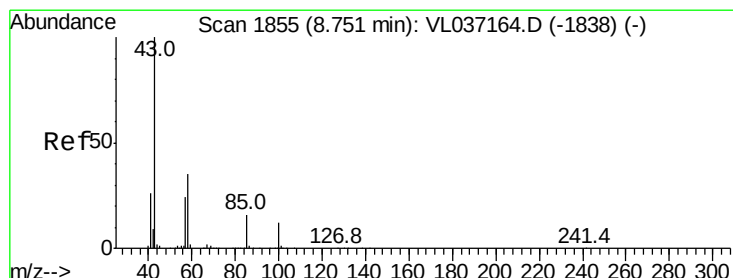
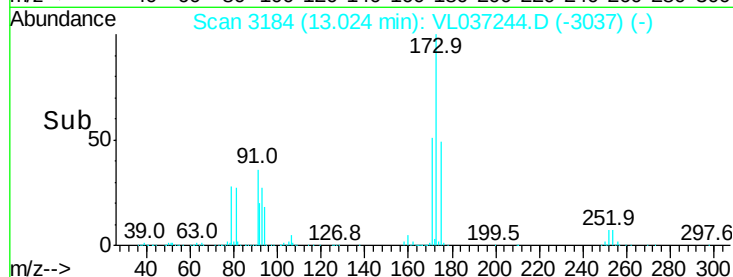
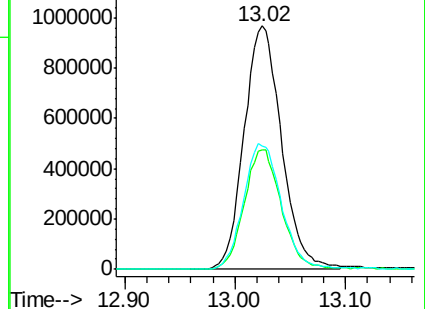
171 53.3 41.8 62.8



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: 10.273 ppbv

RT: 8.73 min Scan# 1848

Delta R.T. -0.02 min

Lab File: VL037244.D

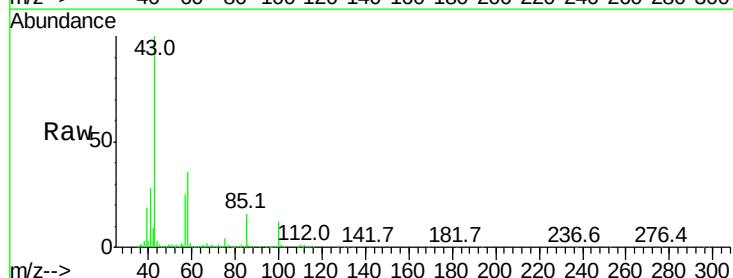
Acq: 29 Jun 2021 10:14

Tgt Ion: 43 Resp: 2552883

Ion Ratio Lower Upper

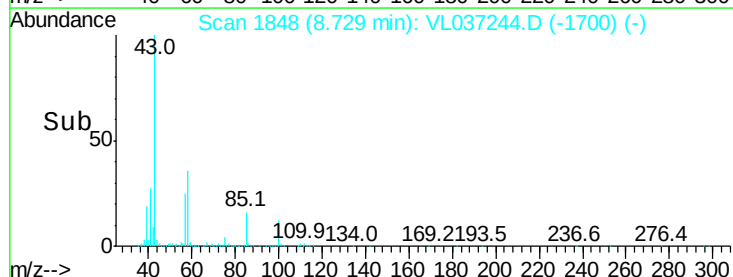
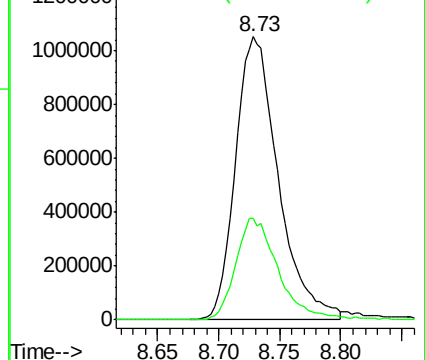
43 100

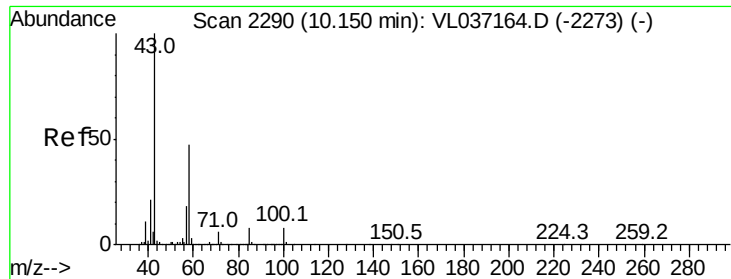
58 36.2 28.4 42.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#51

2-Hexanone

Concen: 11.057 ppbv

RT: 10.12 min Scan# 2281

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

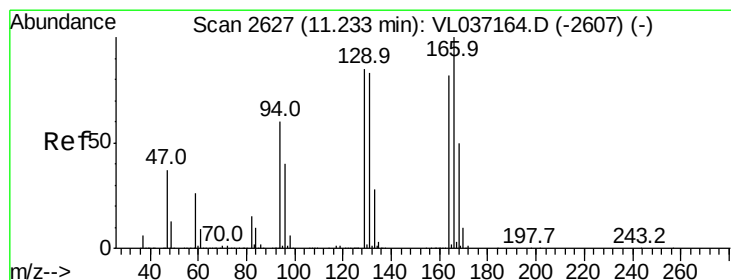
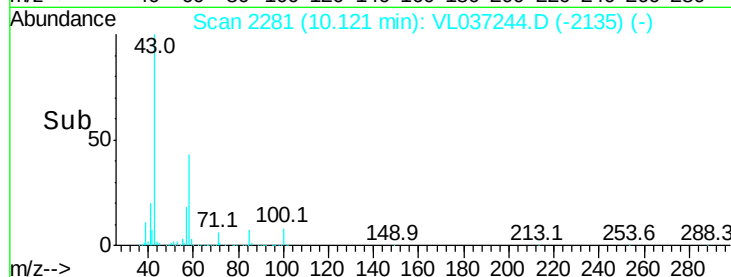
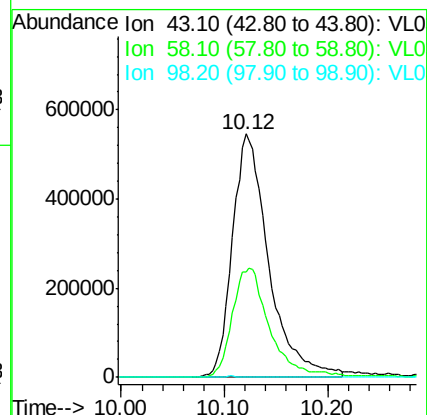
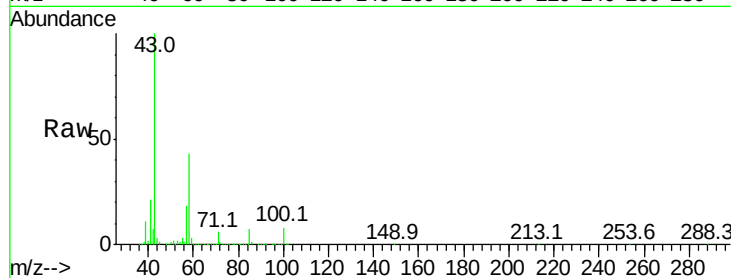
Tgt Ion: 43 Resp: 1336865

Ion Ratio Lower Upper

43 100

58 47.0 38.4 57.6

98 0.5 0.3 0.5#



#52

Tetrachloroethene

Concen: 8.449 ppbv

RT: 11.21 min Scan# 2619

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Tgt Ion: 164 Resp: 1476913

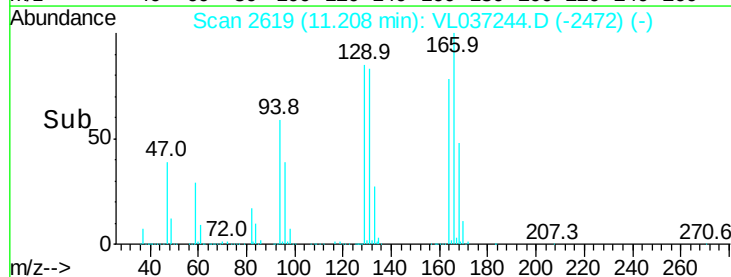
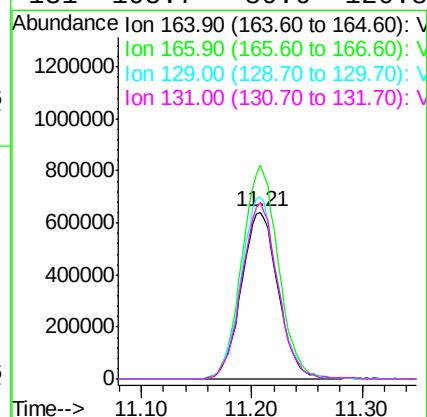
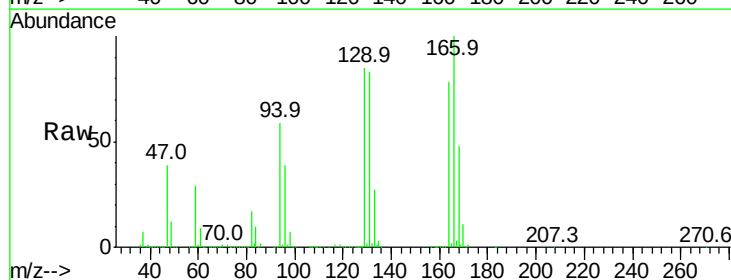
Ion Ratio Lower Upper

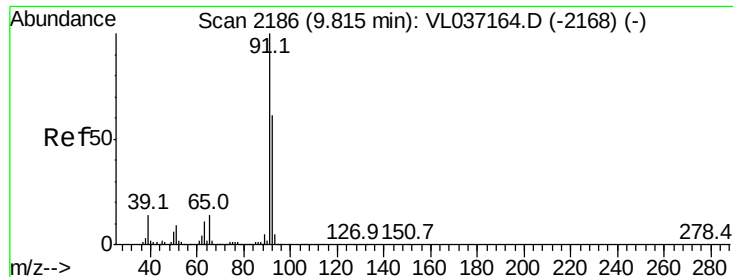
164 100

166 127.9 97.6 146.4

129 108.6 82.9 124.3

131 105.7 80.6 120.8





#53

Toluene

Concen: 9.583 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

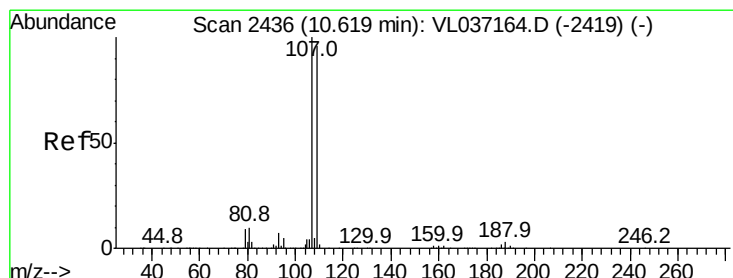
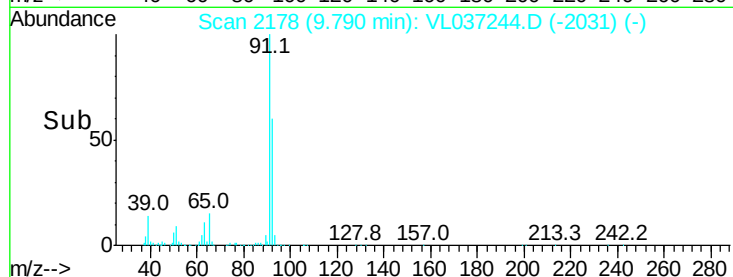
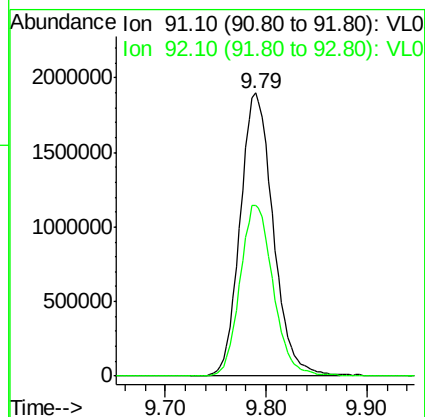
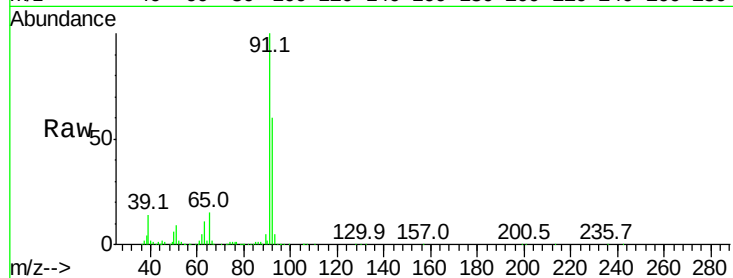
VSTDCCC010

Tgt Ion: 91 Resp: 4306291

Ion Ratio Lower Upper

91 100

92 60.7 48.3 72.5



#54

1,2-Dibromoethane

Concen: 9.974 ppbv

RT: 10.59 min Scan# 2428

Delta R.T. -0.03 min

Lab File: VL037244.D

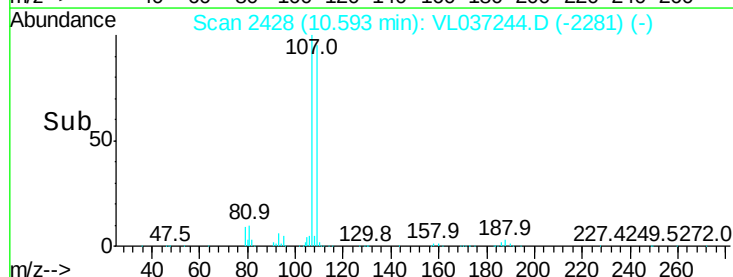
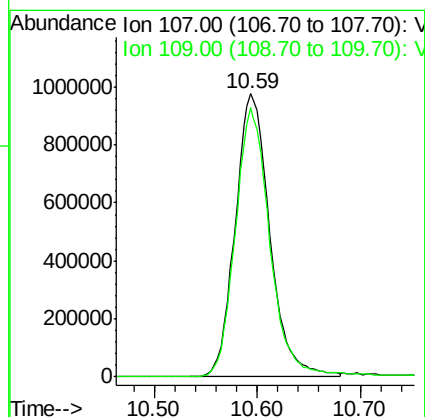
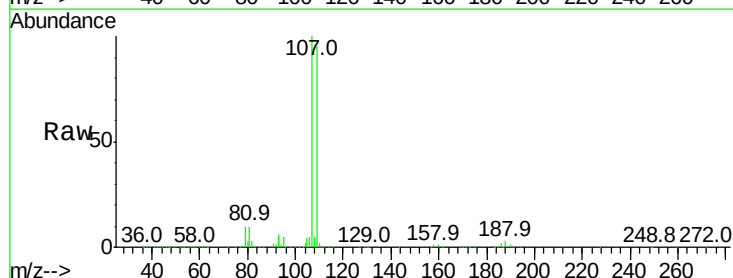
Acq: 29 Jun 2021 10:14

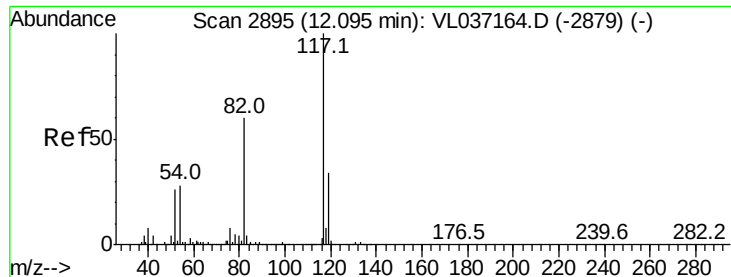
Tgt Ion: 107 Resp: 2285865

Ion Ratio Lower Upper

107 100

109 95.2 77.0 115.6

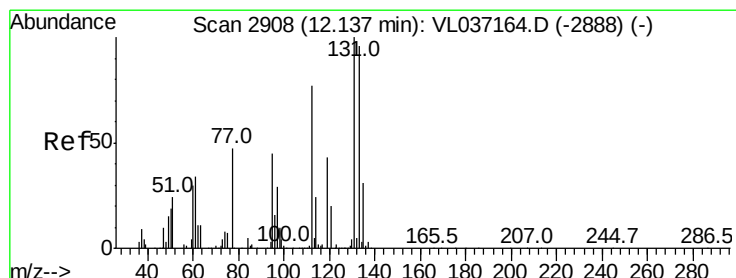
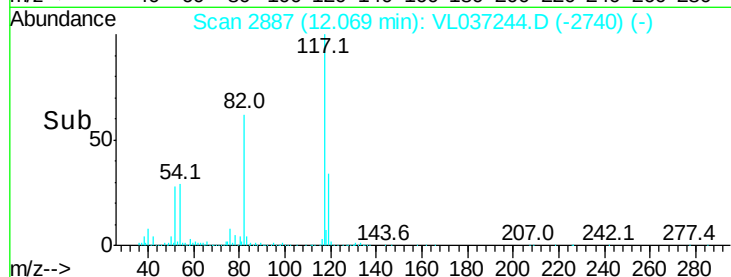
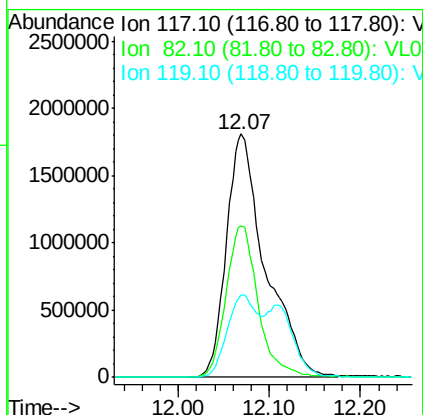
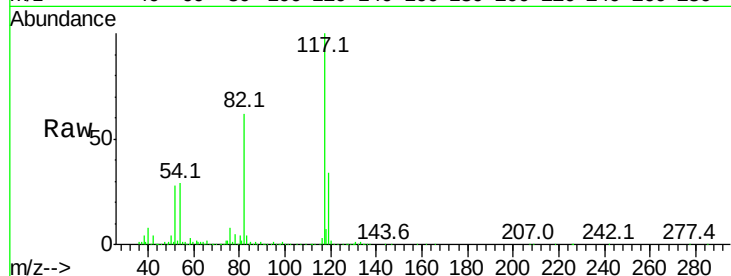




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2887
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

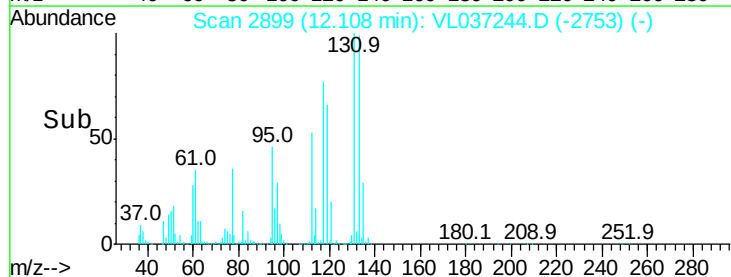
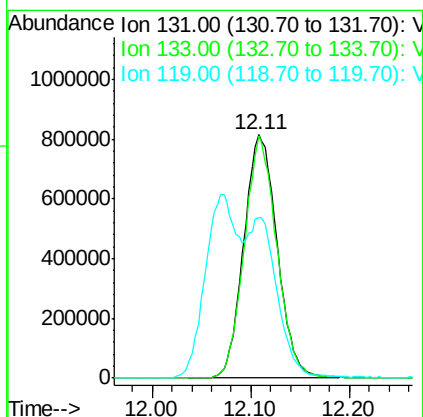
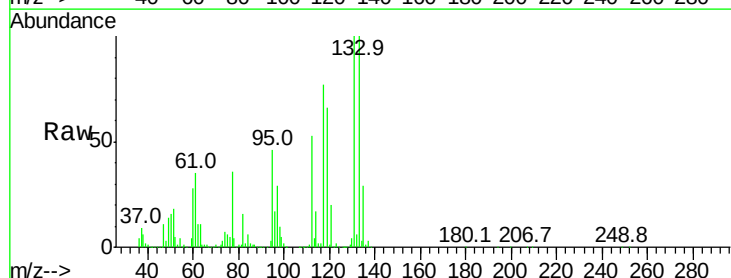
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

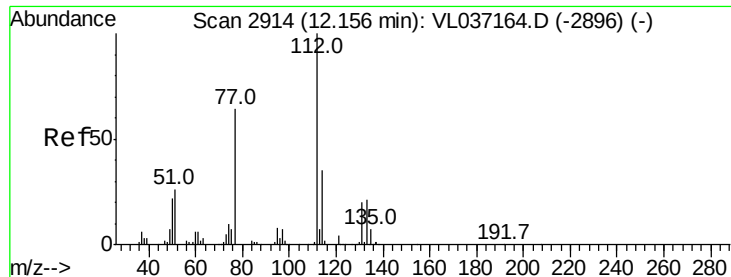
Tgt Ion:117 Resp: 5413862
Ion Ratio Lower Upper
117 100
82 51.8 51.7 77.5
119 48.0 47.6 71.4



#56
1,1,1,2-Tetrachloroethane
Concen: 8.047 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion:131 Resp: 1904724
Ion Ratio Lower Upper
131 100
133 96.9 76.5 114.7
119 55.4 48.6 72.8





#57

Chlorobenzene

Concen: 7.474 ppbv

RT: 12.13 min Scan# 2906

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

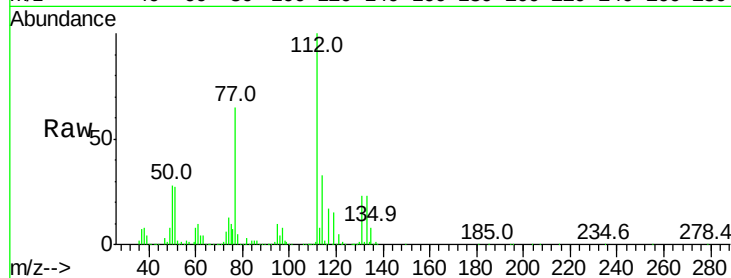
Tgt Ion: 112 Resp: 3281518

Ion Ratio Lower Upper

112 100

77 63.8 52.2 78.4

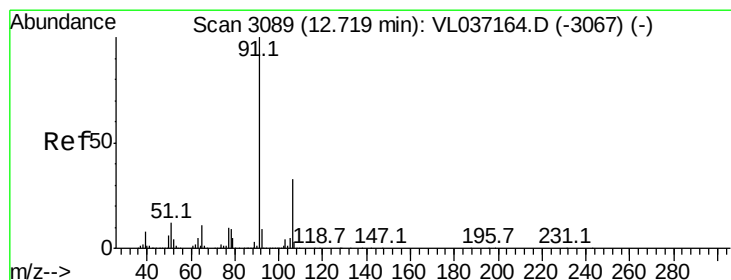
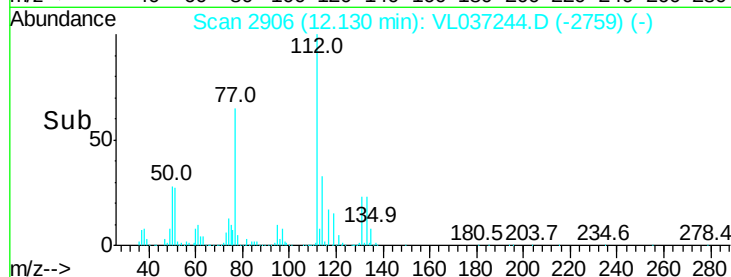
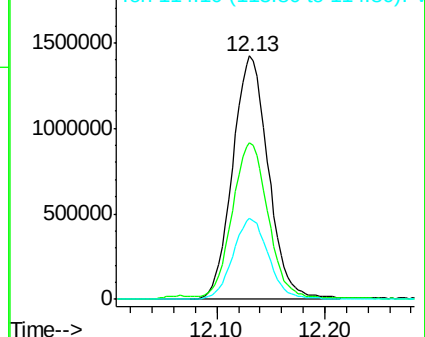
114 33.2 31.1 38.1



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: 7.681 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. -0.03 min

Lab File: VL037244.D

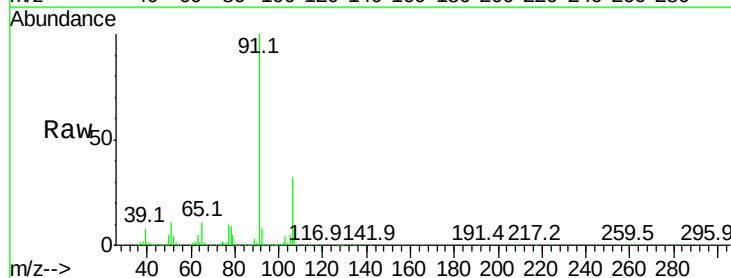
Acq: 29 Jun 2021 10:14

Tgt Ion: 91 Resp: 5724881

Ion Ratio Lower Upper

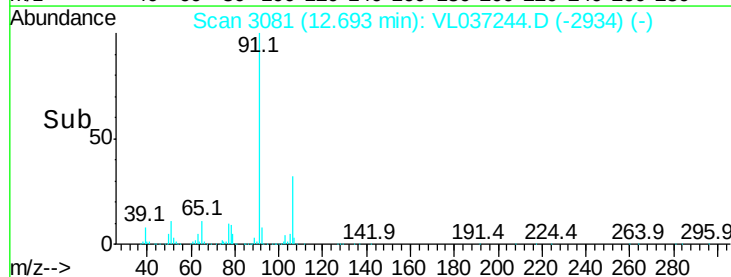
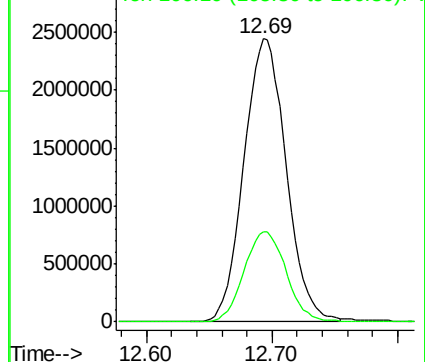
91 100

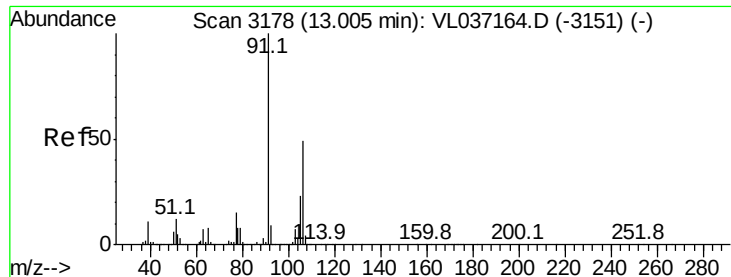
106 32.0 26.3 39.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

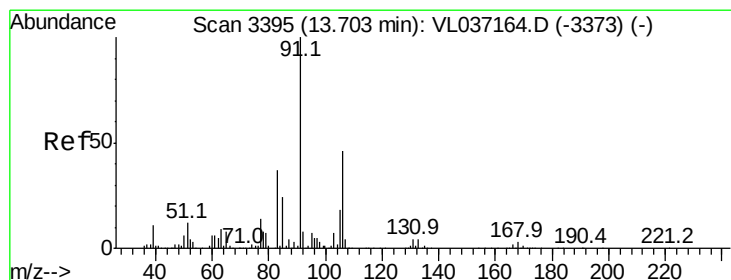
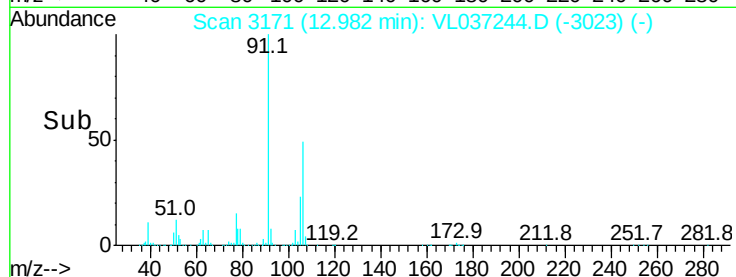
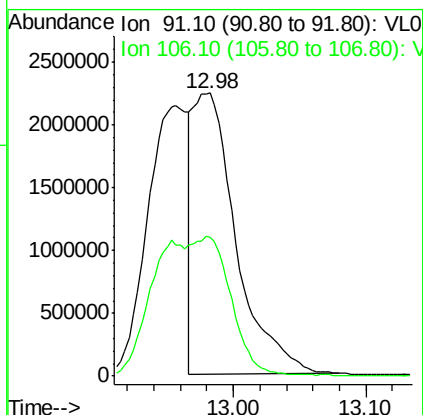
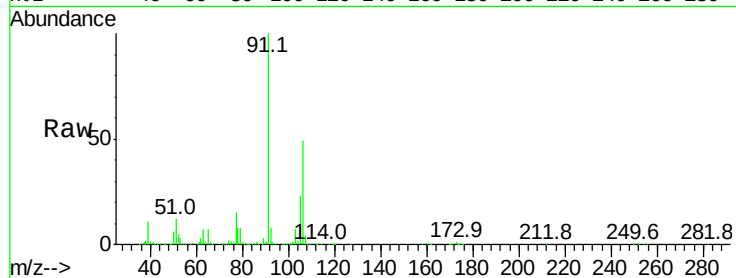




#59
m/p-Xylene
Concen: 7.995 ppbv
RT: 12.98 min Scan# 3171
Delta R.T. -0.02 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

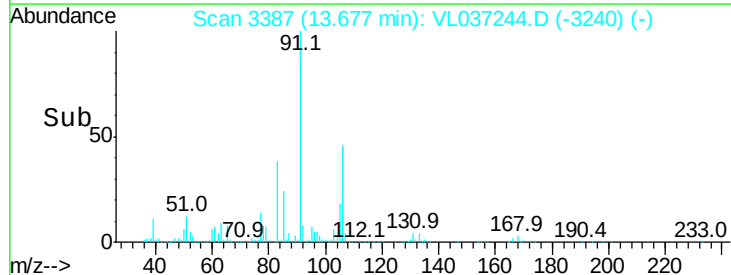
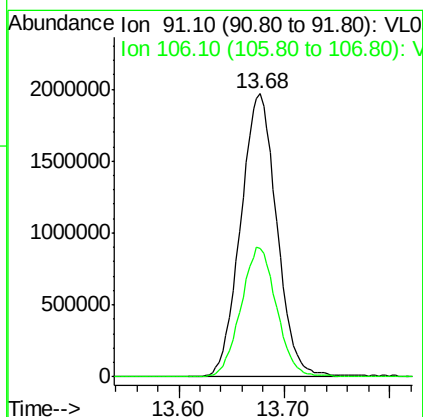
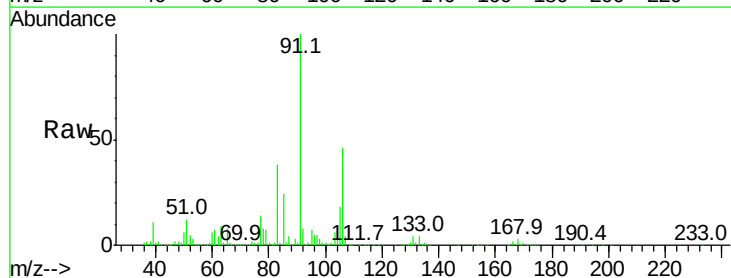
Instrument :
MSVOA_L
ClientSampleId :
VSTDCCC010

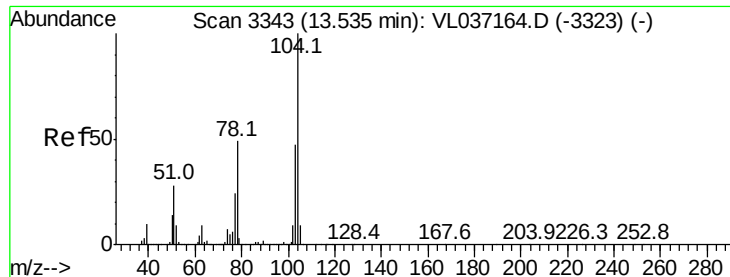
Tgt Ion: 91 Resp: 5049457
Ion Ratio Lower Upper
91 100
106 88.6 37.0 55.4#



#60
o-Xylene
Concen: 7.761 ppbv
RT: 13.68 min Scan# 3387
Delta R.T. -0.03 min
Lab File: VL037244.D
Acq: 29 Jun 2021 10:14

Tgt Ion: 91 Resp: 4667616
Ion Ratio Lower Upper
91 100
106 45.4 23.0 69.0





#61

Styrene

Concen: 8.337 ppbv

RT: 13.51 min Scan# 3335

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

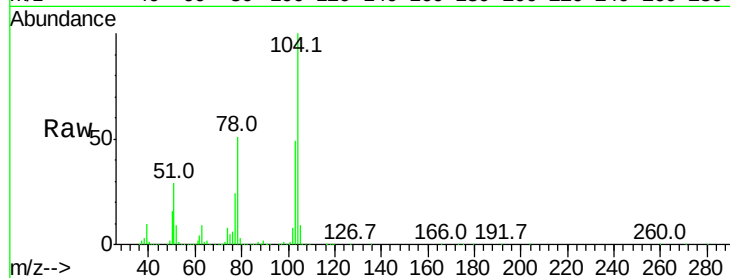
Tgt Ion:104 Resp: 2587646

Ion Ratio Lower Upper

104 100

78 51.7 39.7 59.5

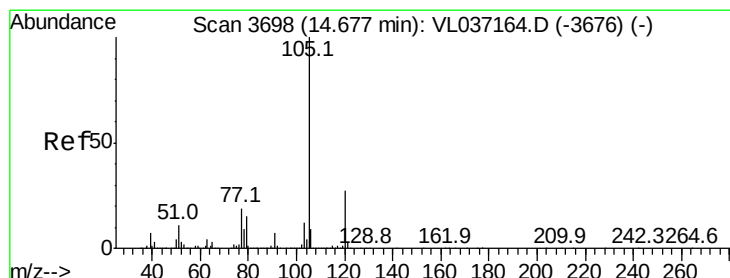
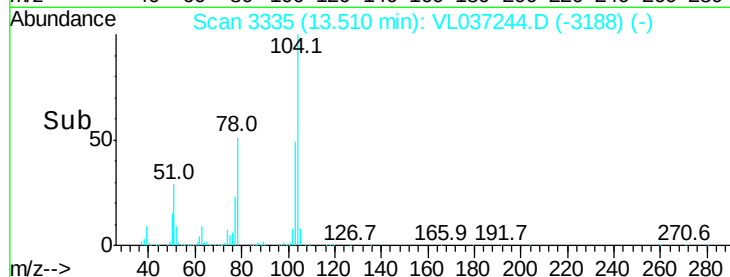
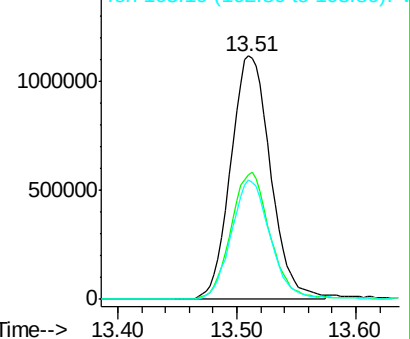
103 48.2 37.6 56.4



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: 7.620 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. -0.03 min

Lab File: VL037244.D

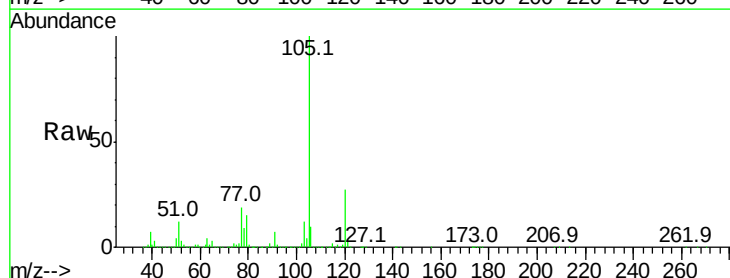
Acq: 29 Jun 2021 10:14

Tgt Ion:105 Resp: 6516438

Ion Ratio Lower Upper

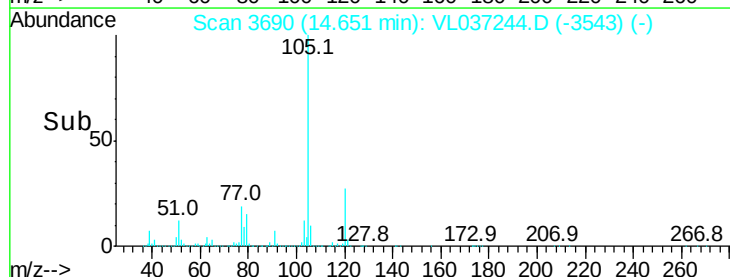
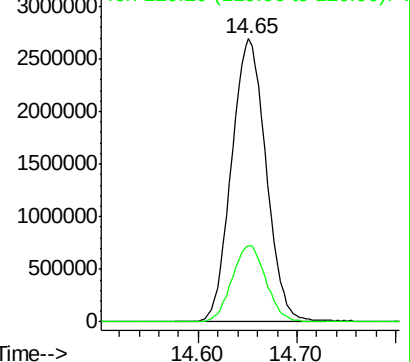
105 100

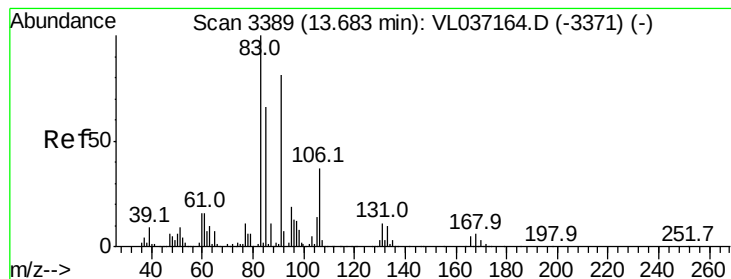
120 26.6 21.6 32.4



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: 7.905 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

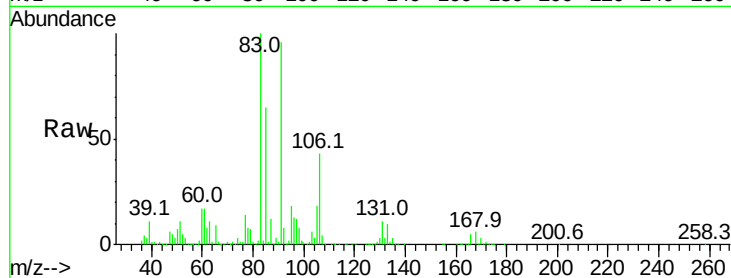
Tgt Ion: 83 Resp: 3165583

Ion Ratio Lower Upper

83 100

131 10.8 5.4 16.2

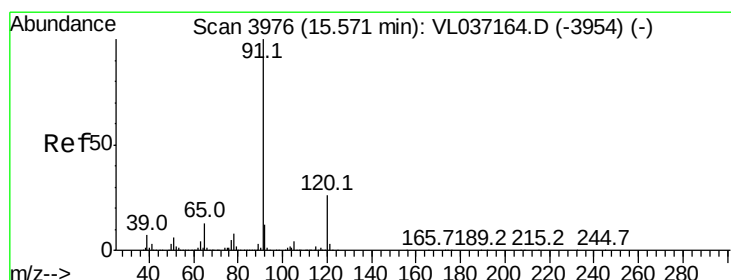
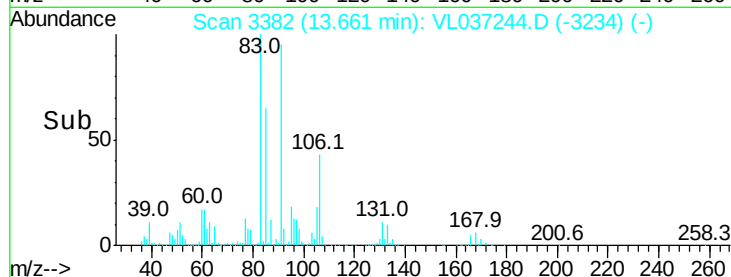
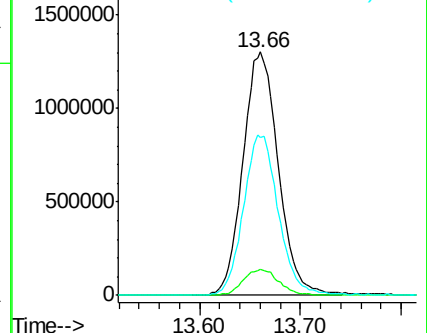
85 65.3 33.1 99.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 8.169 ppbv

RT: 15.54 min Scan# 3968

Delta R.T. -0.03 min

Lab File: VL037244.D

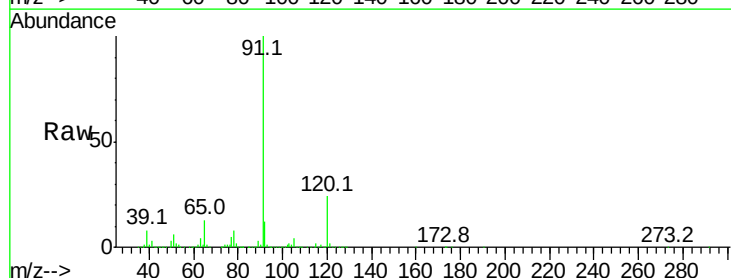
Acq: 29 Jun 2021 10:14

Tgt Ion: 120 Resp: 1749413

Ion Ratio Lower Upper

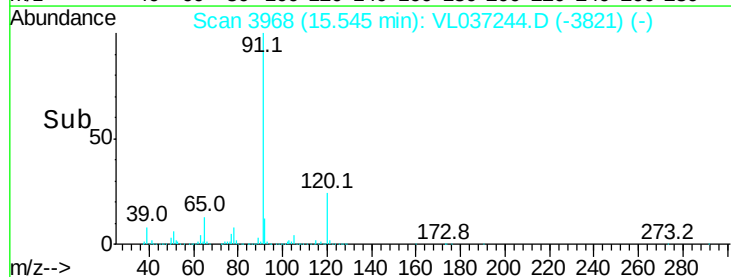
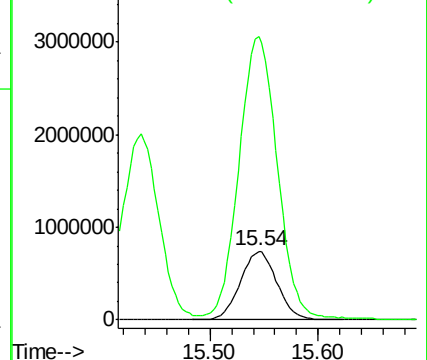
120 100

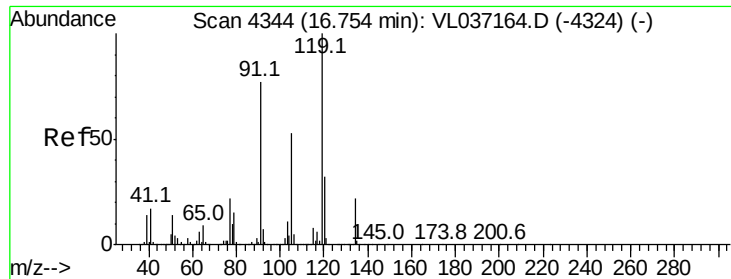
91 433.6 343.3 514.9



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

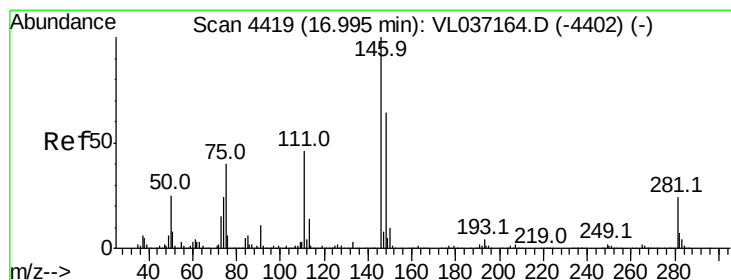
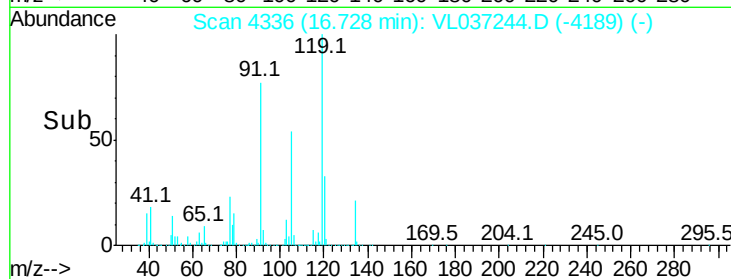
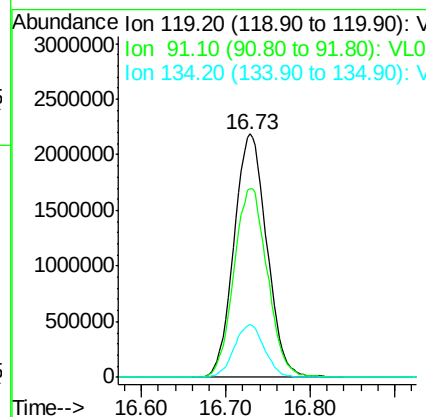
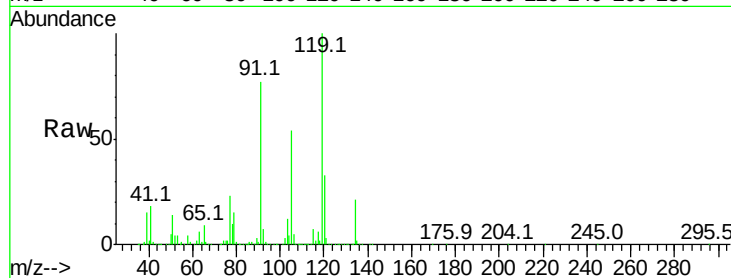




#65
 tert-Butylbenzene
 Concen: 7.803 ppbv
 RT: 16.73 min Scan# 4336
 Delta R.T. -0.03 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

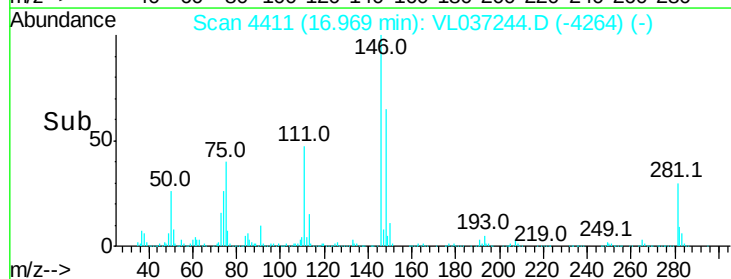
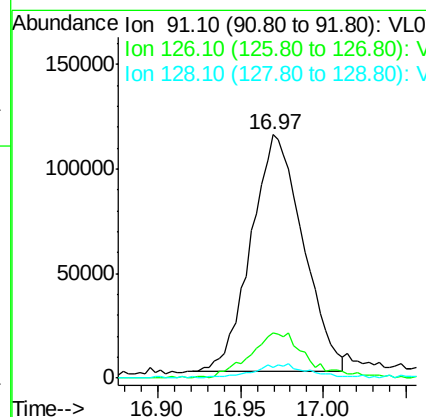
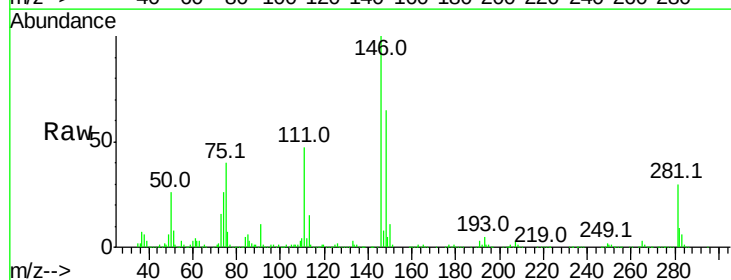
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

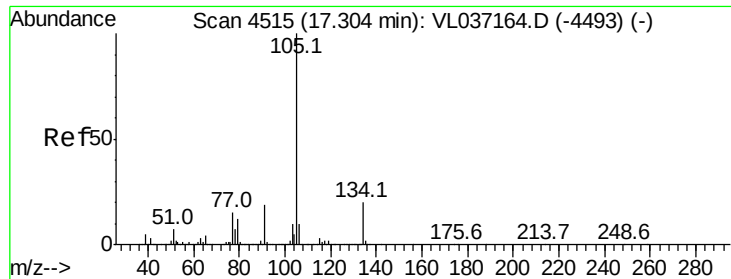
Tgt Ion: 119 Resp: 5918540
 Ion Ratio Lower Upper
 119 100
 91 79.3 62.6 93.8
 134 20.2 16.2 24.4



#66
 Benzyl Chloride
 Concen: 7.718 ppbv
 RT: 16.97 min Scan# 4411
 Delta R.T. -0.03 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion: 91 Resp: 248059
 Ion Ratio Lower Upper
 91 100
 126 21.8 15.5 23.3
 128 6.5 5.7 8.5





#67

sec-Butylbenzene

Concen: 7.766 ppbv

RT: 17.28 min Scan# 4507

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

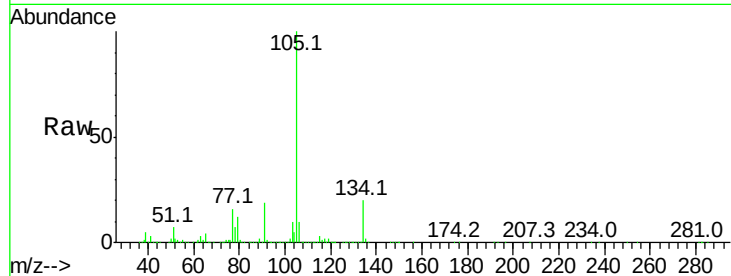
VSTDCCC010

Tgt Ion:105 Resp: 7854590

Ion Ratio Lower Upper

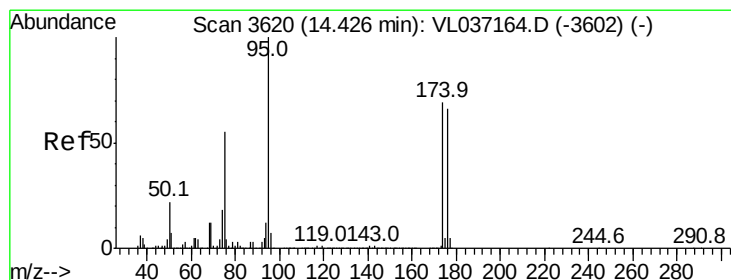
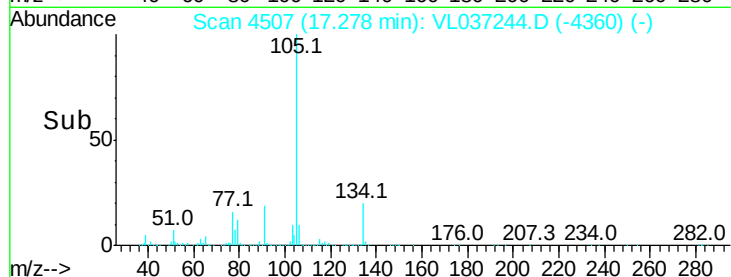
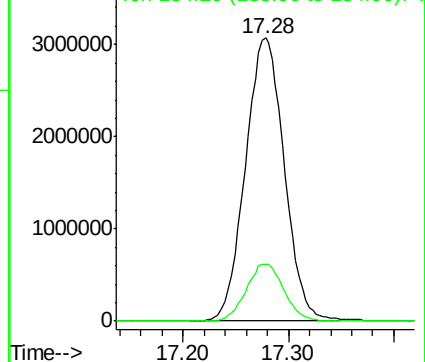
105 100

134 19.6 15.8 23.6



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: 8.149 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

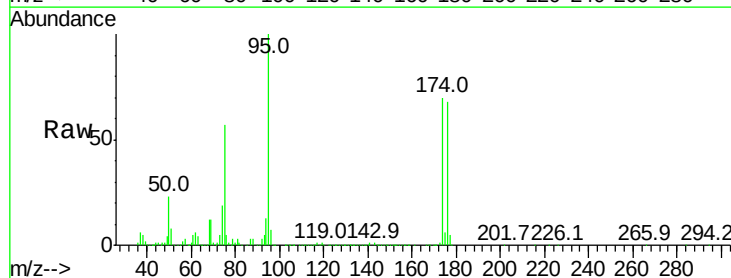
Tgt Ion: 95 Resp: 3342894

Ion Ratio Lower Upper

95 100

174 71.3 57.0 85.4

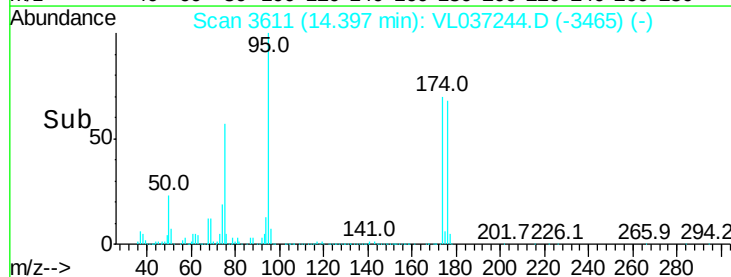
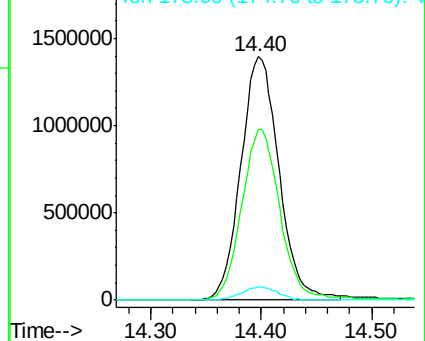
175 5.3 4.4 6.6

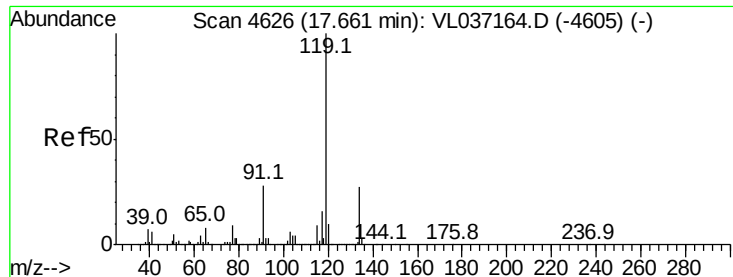


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



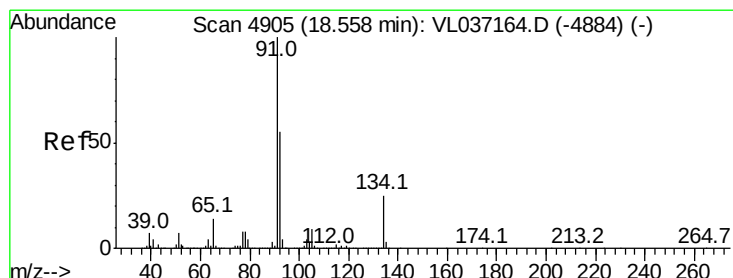
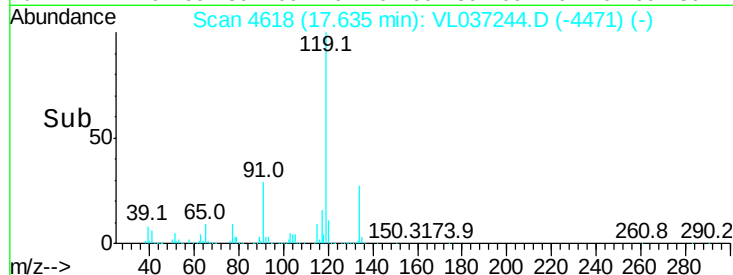
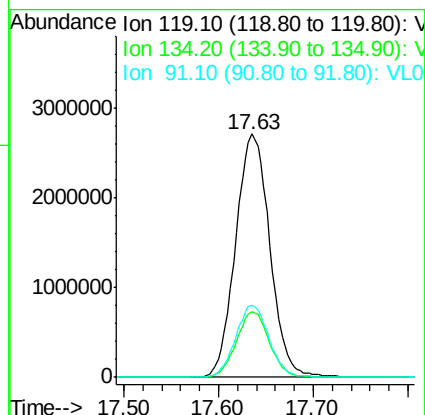
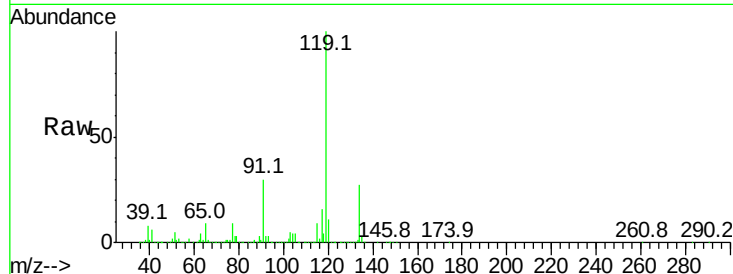


#69
 p-Isopropyltoluene
 Concen: 7.996 ppbv
 RT: 17.63 min Scan# 4618
 Delta R.T. -0.03 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion: 119 Resp: 6830917

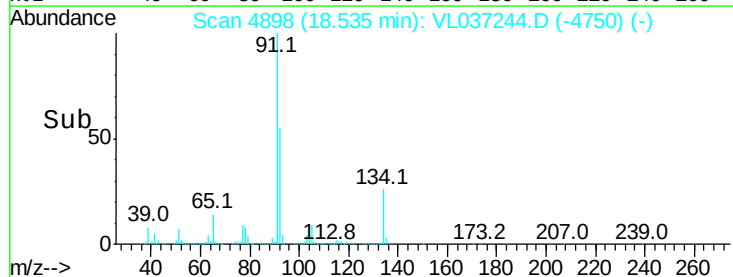
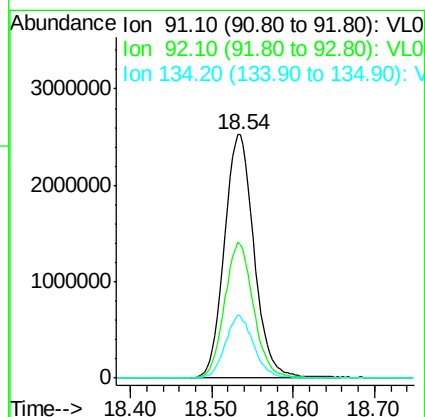
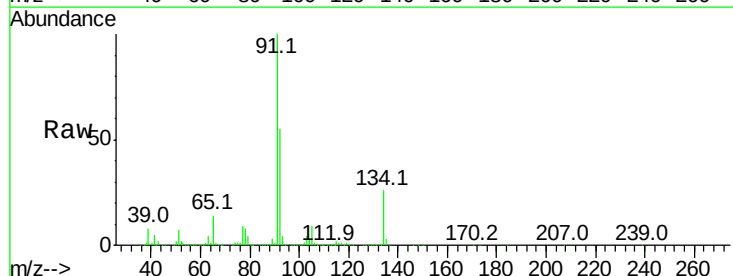
Ion	Ratio	Lower	Upper
119	100		
134	26.2	20.9	31.3
91	28.9	22.6	34.0

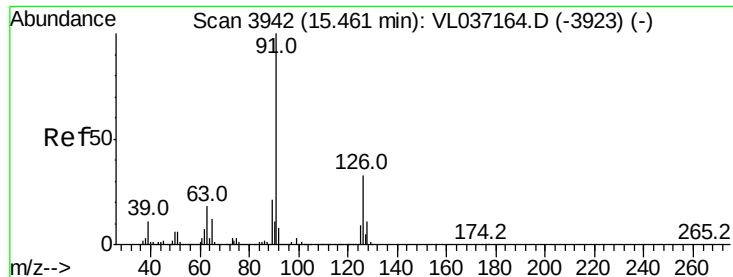


#70
 n-Butylbenzene
 Concen: 8.196 ppbv
 RT: 18.54 min Scan# 4898
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion: 91 Resp: 6480442

Ion	Ratio	Lower	Upper
91	100		
92	54.6	44.0	66.0
134	24.8	20.2	30.4





#71

2-Chlorotoluene

Concen: 7.981 ppbv

RT: 15.44 min Scan# 3934

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

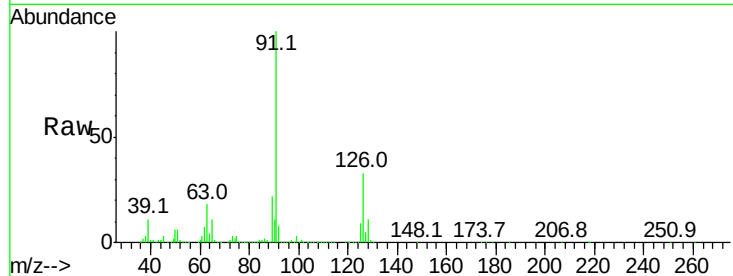
VSTDCCC010

Tgt Ion: 91 Resp: 4771748

Ion Ratio Lower Upper

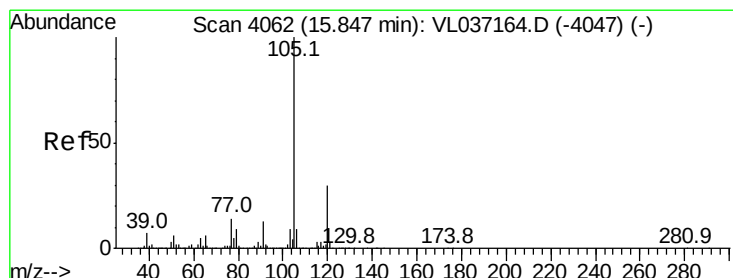
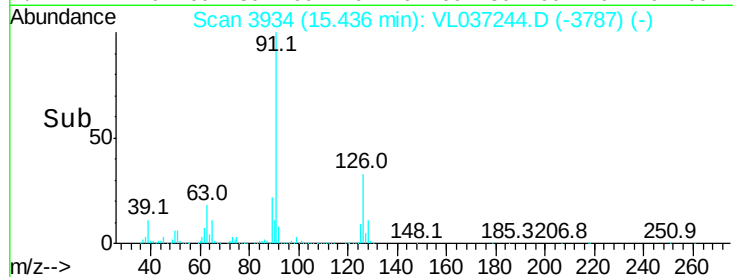
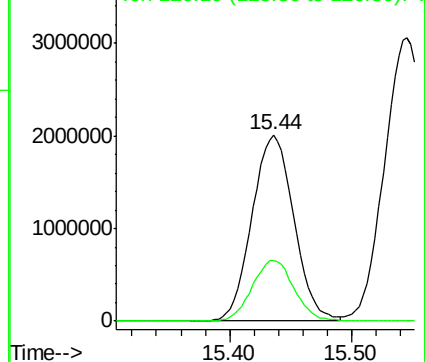
91 100

126 33.1 13.5 54.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#72

4-Ethyltoluene

Concen: 8.320 ppbv

RT: 15.82 min Scan# 4054

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Tgt Ion: 105 Resp: 5684089

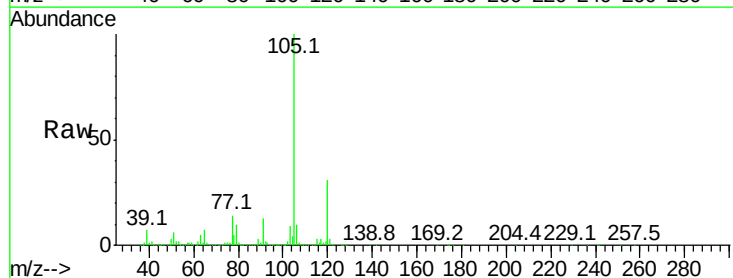
Ion Ratio Lower Upper

105 100

120 29.9 24.7 37.1

91 12.9 10.2 15.4

77 13.7 11.0 16.6

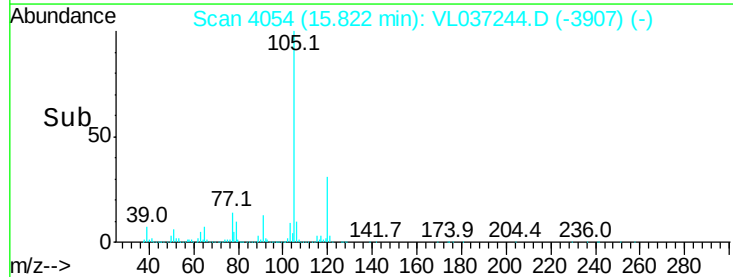
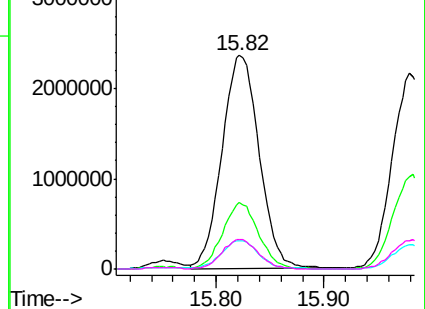


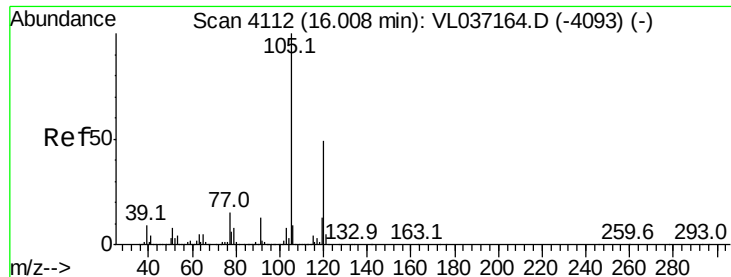
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#73

1,3,5-Trimethylbenzene

Concen: 7.805 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

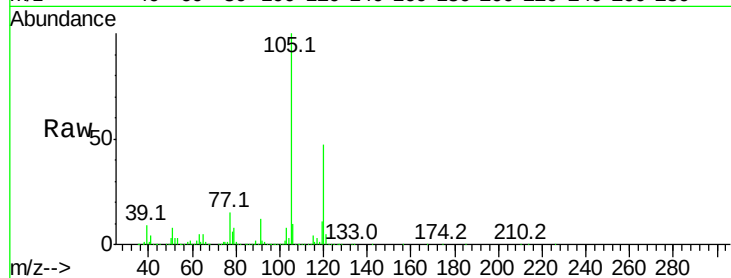
VSTDCCC010

Tgt Ion:105 Resp: 5154586

Ion Ratio Lower Upper

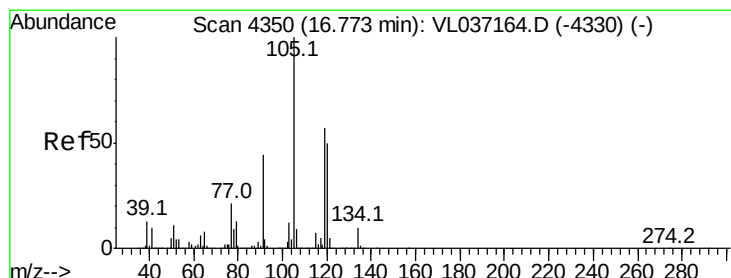
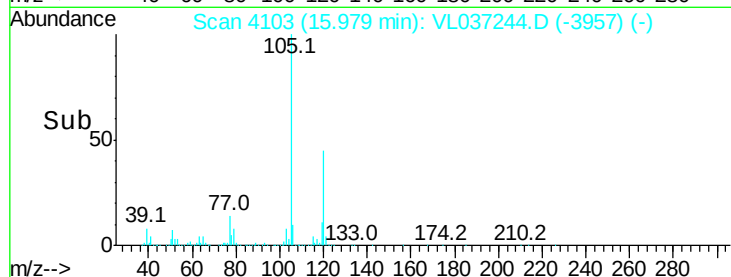
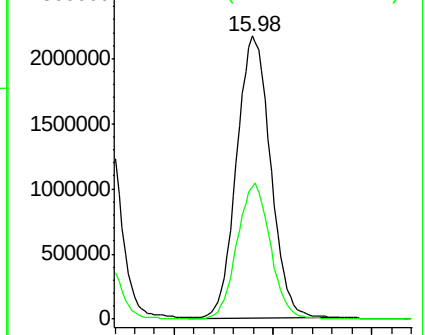
105 100

120 47.0 39.4 59.2



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 7.865 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Tgt Ion:105 Resp: 5351830

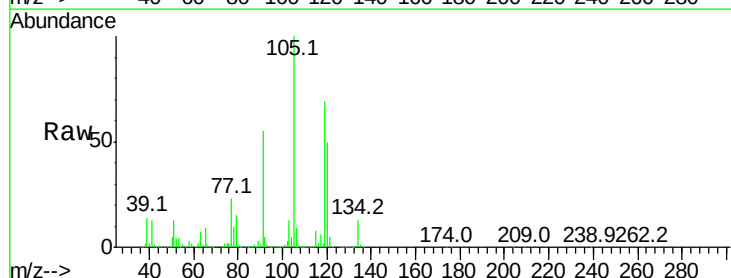
Ion Ratio Lower Upper

105 100

120 50.2 39.8 59.8

91 55.0 37.0 55.4

77 22.9 17.0 25.4

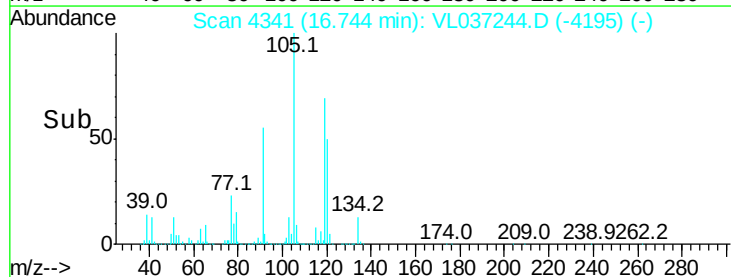
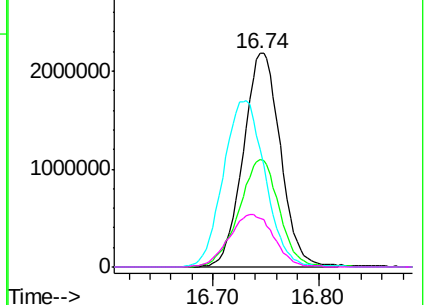


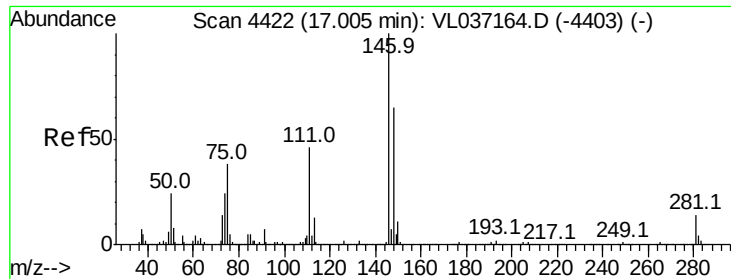
Abundance Ion 105.10 (104.80 to 105.80): V

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

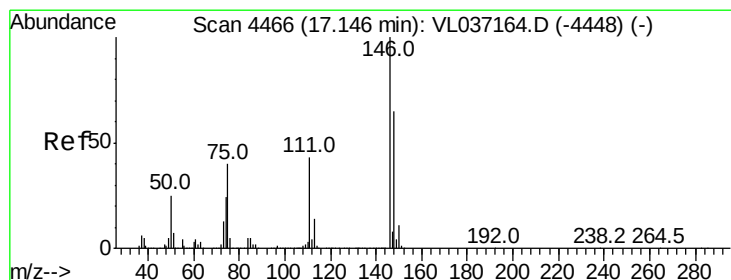
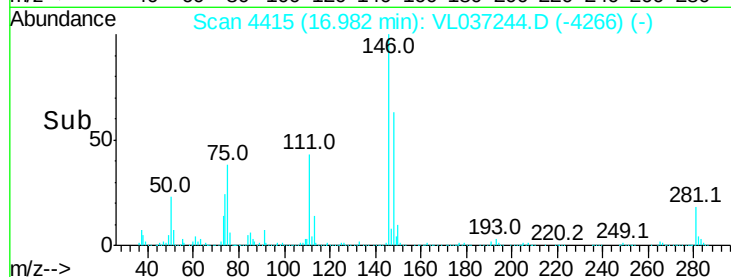
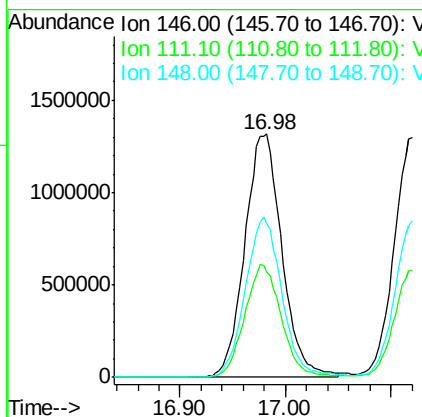
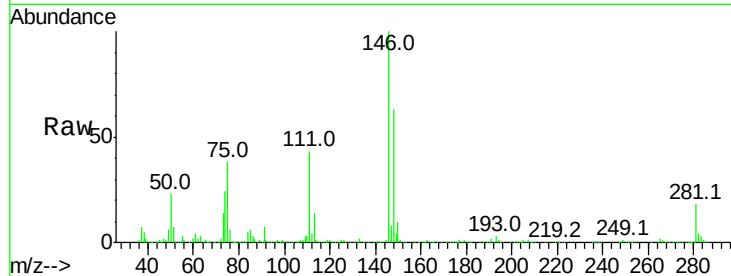




#75
 1,3-Dichlorobenzene
 Concen: 7.785 ppbv
 RT: 16.98 min Scan# 4415
 Delta R.T. -0.02 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

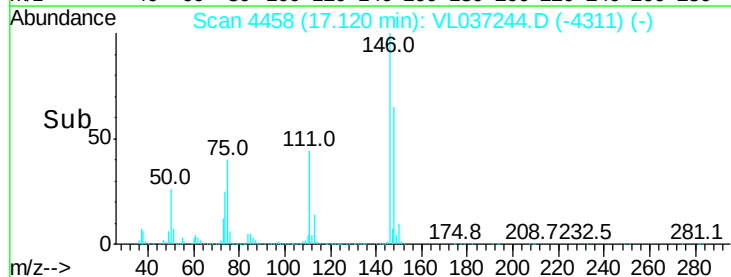
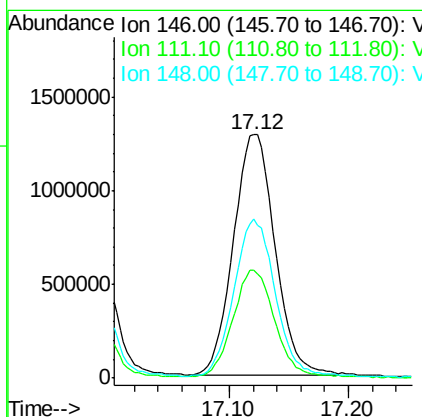
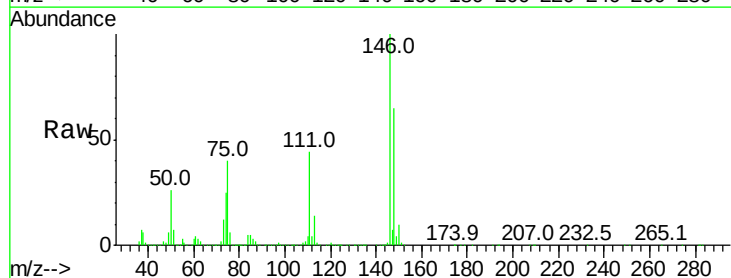
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

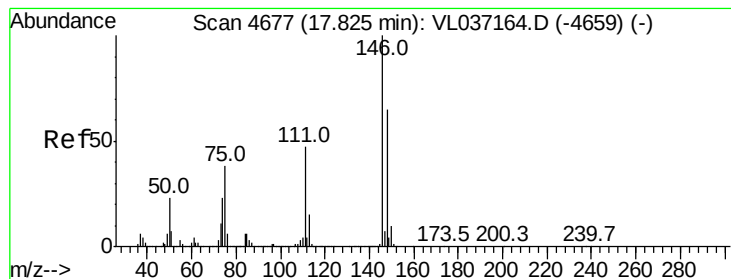
Tgt Ion:146 Resp: 3220798
 Ion Ratio Lower Upper
 146 100
 111 45.7 22.2 66.6
 148 64.9 32.4 97.2



#76
 1,4-Dichlorobenzene
 Concen: 7.571 ppbv
 RT: 17.12 min Scan# 4458
 Delta R.T. -0.03 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Tgt Ion:146 Resp: 3128611
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.7 68.0
 148 66.7 33.7 101.1





#77

1,2-Dichlorobenzene

Concen: 7.738 ppbv

RT: 17.80 min Scan# 4669

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

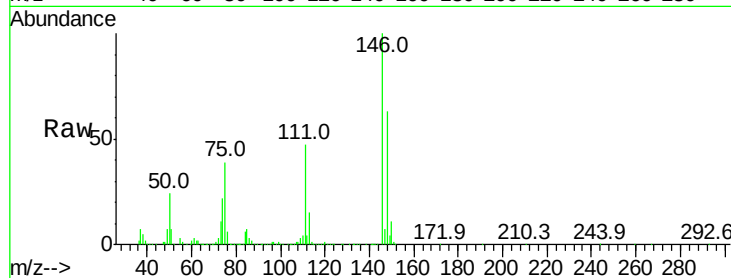
Tgt Ion:146 Resp: 3096890

Ion Ratio Lower Upper

146 100

111 47.1 23.3 69.8

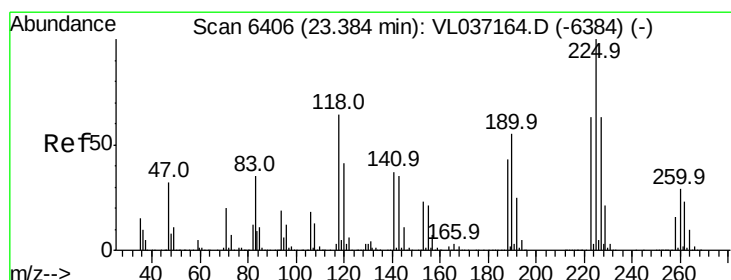
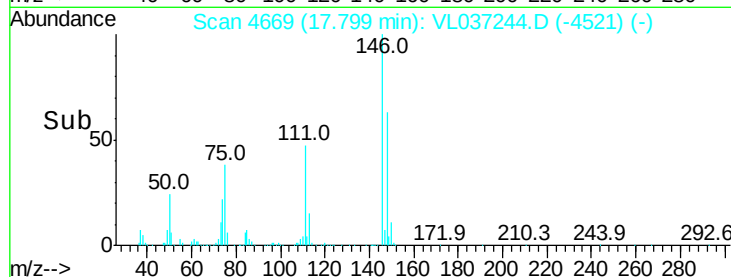
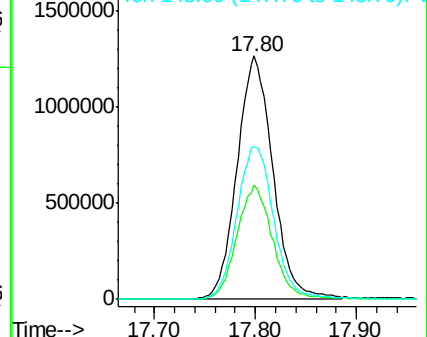
148 65.0 32.4 97.0



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: 5.933 ppbv

RT: 23.36 min Scan# 6398

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

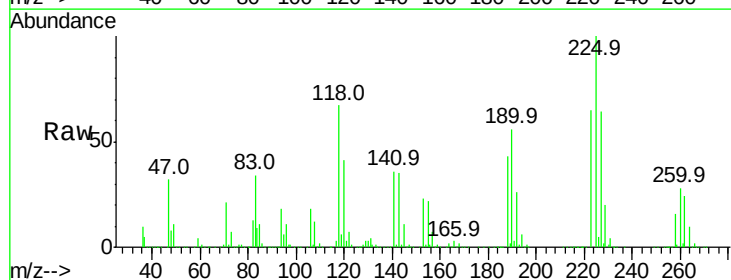
Tgt Ion:225 Resp: 2041594

Ion Ratio Lower Upper

225 100

223 64.6 51.8 77.8

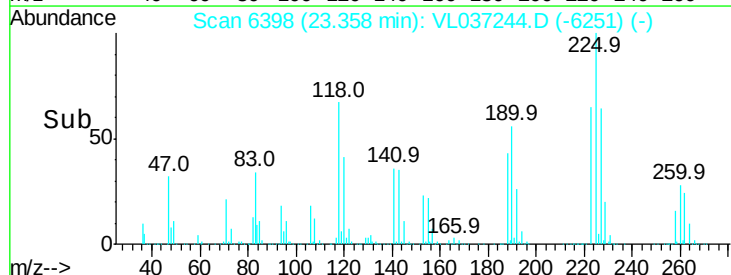
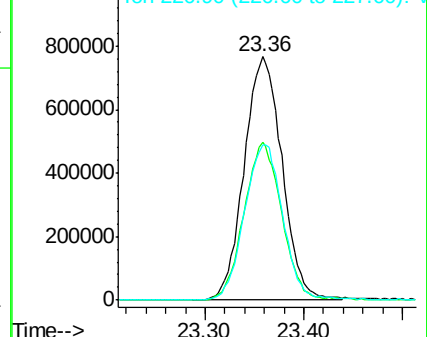
227 64.5 51.4 77.0

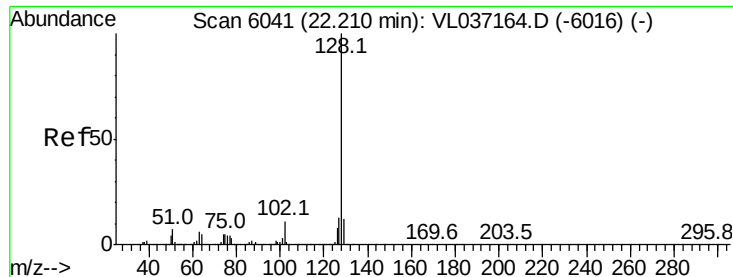


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 6.876 ppbv

RT: 22.18 min Scan# 6031

Delta R.T. -0.03 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

Instrument :

MSVOA_L

ClientSampleId :

VSTDCCC010

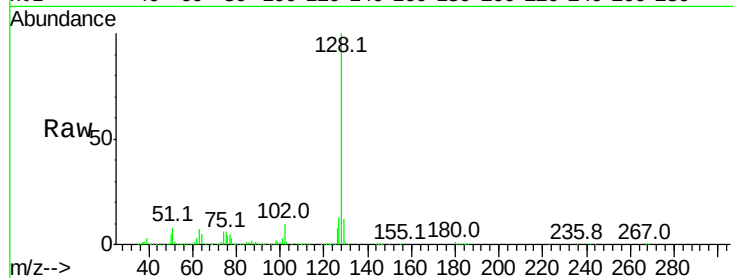
Tgt Ion:128 Resp: 3901068

Ion Ratio Lower Upper

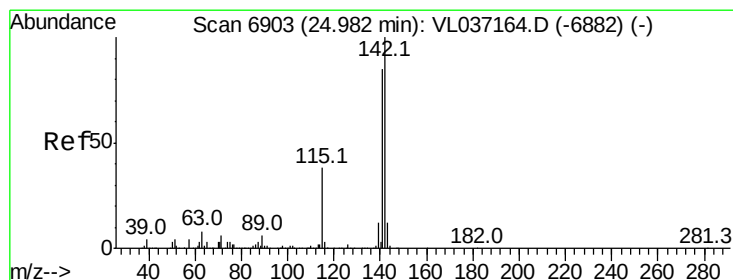
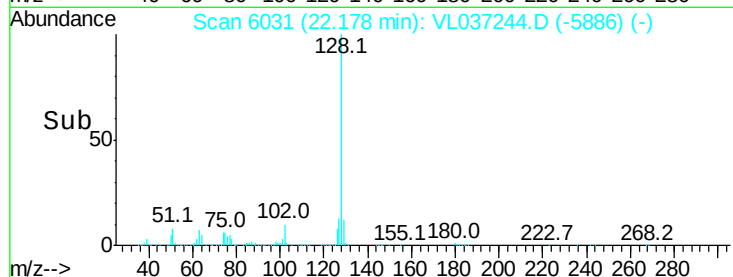
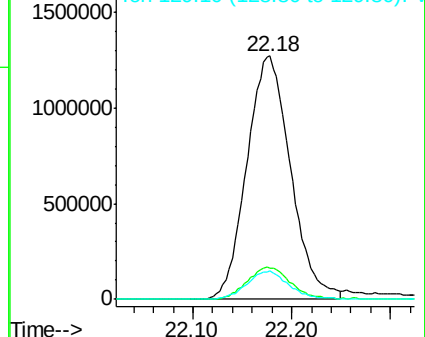
128 100

127 12.8 10.7 16.1

129 11.8 9.3 13.9



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: 6.511 ppbv

RT: 24.96 min Scan# 6896

Delta R.T. -0.02 min

Lab File: VL037244.D

Acq: 29 Jun 2021 10:14

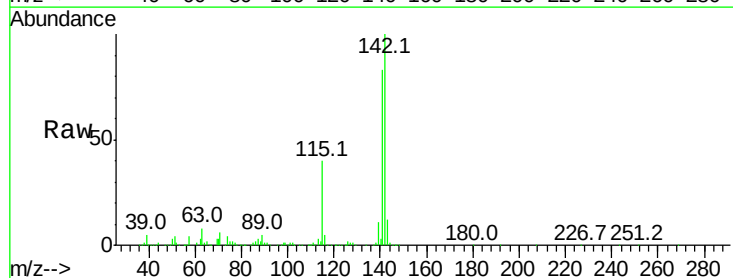
Tgt Ion:142 Resp: 968806

Ion Ratio Lower Upper

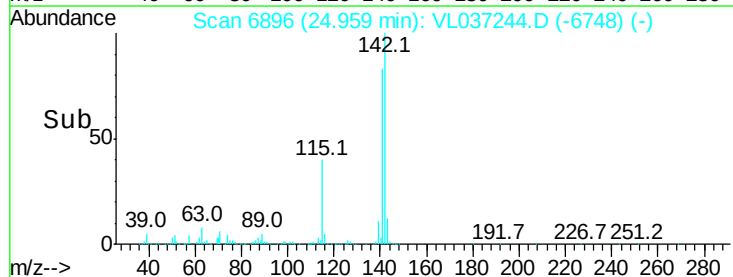
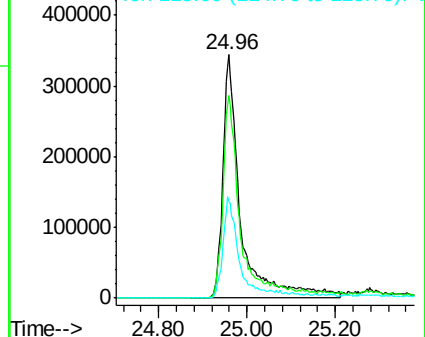
142 100

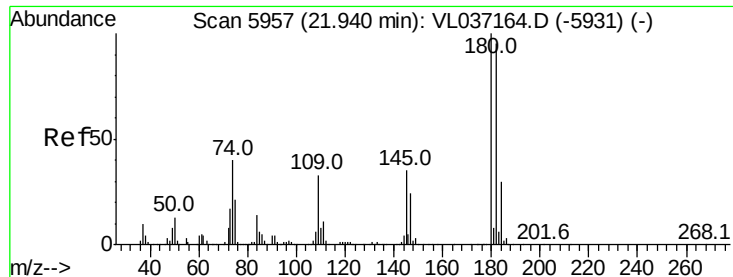
141 79.4 63.7 95.5

115 36.5 30.6 45.8



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

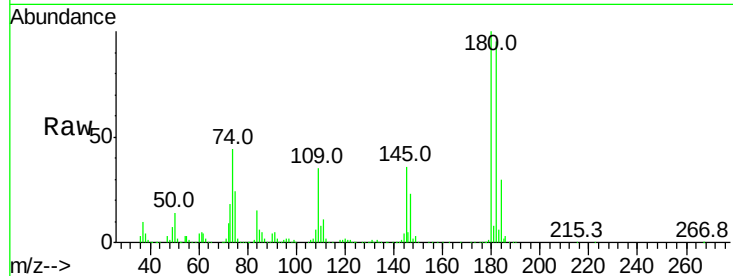




#81
 1,2,4-Trichlorobenzene
 Concen: 6.958 ppbv
 RT: 21.90 min Scan# 5946
 Delta R.T. -0.04 min
 Lab File: VL037244.D
 Acq: 29 Jun 2021 10:14

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDCCC010

Tgt Ion:180 Resp: 2277907
 Ion Ratio Lower Upper
 180 100
 182 101.6 79.3 118.9
 184 31.5 24.7 37.1



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V

