

Data File : VL037458.D
Acq On : 16 Aug 2021 12:22
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Aug 16 13:41:52 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 16 11:33:04 2021
QLast Update : Mon Aug 16 11:33:04 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1537078	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	4519200	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3954892	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2887432	10.18	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	171862	0.732	ppbv	96
3) Chlorodifluoromethane	2.98	51	161435	0.535	ppbv	98
4) Chloromethane	3.13	50	31141	0.287	ppbv	97
5) Vinyl Chloride	3.25	62	46749	0.391	ppbv	94
6) Bromomethane	3.47	94	12995	0.210	ppbv	91
7) Chloroethane	3.54	64	8123	0.206	ppbv	99
8) Dichlorotetrafluoroethane	3.18	85	136259	0.520	ppbv	97
9) Propene	3.00	41	50788	0.501	ppbv	91
10) Heptane	8.11	43	118242	0.480	ppbv	93
11) Trichlorofluoromethane	3.94	101	123011	0.484	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.47	101	57004	0.320	ppbv #	49
13) Ethanol	3.61	45	1638	0.151	ppbv #	39
14) Bromoethene	3.73	108	25382	0.321	ppbv #	47
15) Acetone	3.86	43	35593	0.218	ppbv #	44
16) 1,3-Butadiene	3.31	39	50829	0.465	ppbv	98
18) 1,1-Dichloroethene	4.27	96	18163	0.220	ppbv	96
19) Isopropyl Alcohol	3.98	45	35237	0.371	ppbv #	67
20) Methylene Chloride	4.33	84	25559	0.297	ppbv	94
21) Allyl Chloride	4.40	41	60138	0.471	ppbv	87
22) trans-1,2-Dichloroethene	4.87	96	24762	0.319	ppbv	95
23) Vinyl Acetate	5.07	43	99077	0.396	ppbv #	88
24) 1,1-Dichloroethane	5.00	63	33571	0.173	ppbv	97
25) Ethyl Acetate	5.67	43	178150	0.459	ppbv #	94
26) Hexane	5.67	57	96784	0.483	ppbv	96
27) Carbon Disulfide	4.54	76	40125	0.237	ppbv #	65
28) Methyl tert-Butyl Ether	5.04	73	96329	0.449	ppbv	94
29) Chloroform	5.73	83	87756	0.311	ppbv	85
30) Cyclohexane	7.11	84	48868	0.296	ppbv #	53
31) cis-1,2-Dichloroethene	5.54	61	76734	0.443	ppbv	96
32) 1,1,1-Trichloroethane	6.49	97	131820	0.463	ppbv	96
35) Carbon Tetrachloride	6.99	117	52076	0.187	ppbv #	87
36) Benzene	6.87	78	113806	0.299	ppbv	97
37) 1,2-Dichloroethane	6.29	62	64543	0.332	ppbv #	89
38) Trichloroethene	7.82	130	34385	0.204	ppbv	94
39) 1,2-Dichloropropane	7.59	63	33126	0.228	ppbv	92
41) Tetrahydrofuran	6.05	42	10435	0.122	ppbv #	1
42) Bromodichloromethane	7.77	83	64851	0.238	ppbv	95
43) Methyl Methacrylate	8.00	69	49582	0.384	ppbv #	65
44) 2,2,4-Trimethylpentane	7.85	57	336922	0.529	ppbv	98
45) t-1,3-Dichloropropene	9.26	75	17190	0.179	ppbv	89
46) cis-1,3-Dichloropropene	8.69	75	46386	0.346	ppbv #	87

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47) 1,1,2-Trichloroethane	9.46	97	78612	0.501	ppbv	92
48) Dibromochloromethane	10.28	129	102787	0.454	ppbv	98
49) Bromoform	13.02	173	52544	0.306	ppbv #	72
50) 4-Methyl-2-Pentanone	8.75	43	40726	0.174	ppbv #	38
52) Tetrachloroethene	11.20	164	61321	0.382	ppbv	93
53) Toluene	9.78	91	201027	0.462	ppbv	98
54) 1,2-Dibromoethane	10.59	107	106388	0.498	ppbv	99
56) 1,1,1,2-Tetrachloroethane	12.10	131	13400	0.085	ppbv #	6
57) Chlorobenzene	12.13	112	86646	0.270	ppbv #	94
59) m/p-Xylene	12.97	91	122066	0.259	ppbv #	1
60) o-Xylene	13.67	91	229712	0.525	ppbv	100
61) Styrene	13.51	104	96201	0.435	ppbv	98
62) Isopropylbenzene	14.64	105	329768	0.527	ppbv	99
63) 1,1,2,2-Tetrachloroethane	13.66	83	161727	0.490	ppbv	95
64) n-propylbenzene	15.54	120	79881	0.507	ppbv	81
65) tert-Butylbenzene	16.73	119	285574	0.506	ppbv	91
66) Benzyl Chloride	16.98	91	2274	0.088	ppbv #	1
67) sec-Butylbenzene	17.27	105	215511	0.281	ppbv #	61
69) p-Isopropyltoluene	17.63	119	305866	0.485	ppbv	98
70) n-Butylbenzene	18.53	91	288031	0.491	ppbv	98
71) 2-Chlorotoluene	15.43	91	240417	0.543	ppbv	94
72) 4-Ethyltoluene	15.82	105	159406	0.314	ppbv #	72
73) 1,3,5-Trimethylbenzene	15.98	105	220668	0.459	ppbv	90
74) 1,2,4-Trimethylbenzene	16.74	105	156999	0.319	ppbv	98
75) 1,3-Dichlorobenzene	16.97	146	100295	0.333	ppbv #	52
76) 1,4-Dichlorobenzene	17.12	146	84195	0.282	ppbv #	27
77) 1,2-Dichlorobenzene	17.80	146	82341	0.284	ppbv #	23
78) Hexachloro-1,3-Butadiene	23.36	225	129388	0.551	ppbv	89
80) Naphthalene,2-methyl-	24.97	142	8602	0.152	ppbv #	1
81) 1,2,4-Trichlorobenzene	21.91	180	45774	0.252	ppbv #	2

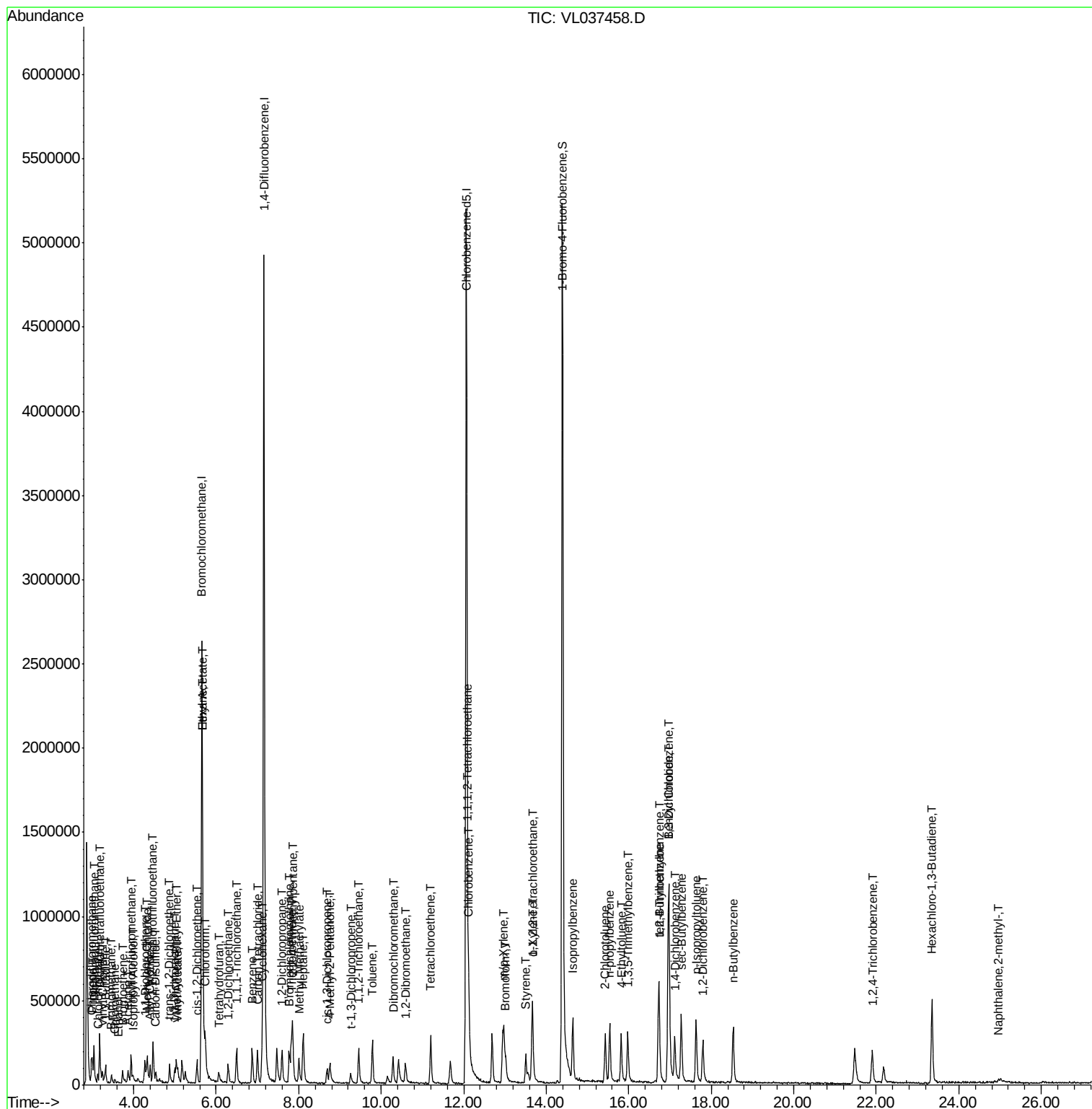
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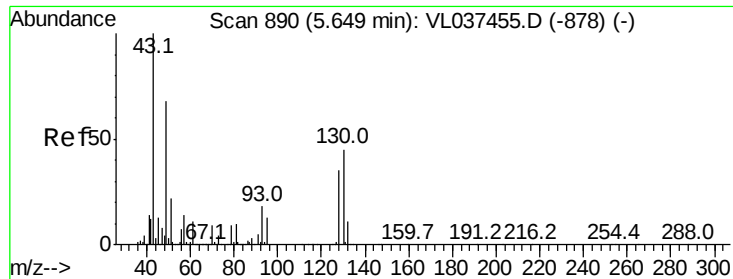
Data File : VL037458.D

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Acq On       : 16 Aug 2021 12:22
Operator     : SY/AP
Sample       : VSTDICC0.5
Misc        : 400mL/MSV0A_L
ALS Vial     : 1      Sample Multipl
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VSTDICC0.5

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

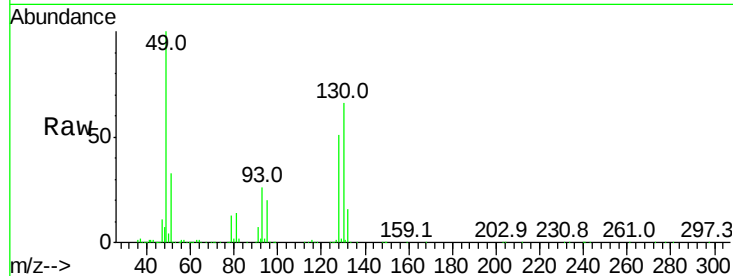
Tgt Ion: 49 Resp: 1537078

Ion Ratio Lower Upper

49 100

128 53.5 27.5 82.4

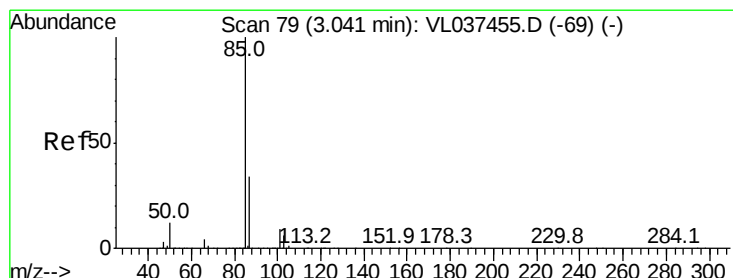
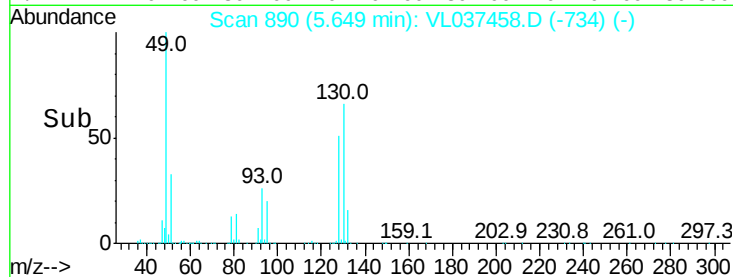
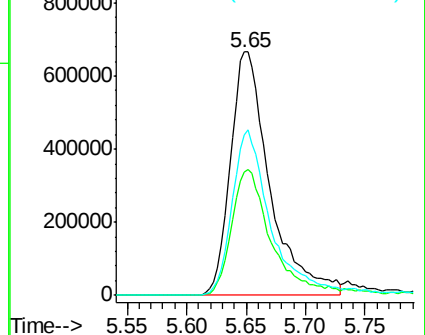
130 69.2 34.0 101.8



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: 0.732 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL037458.D

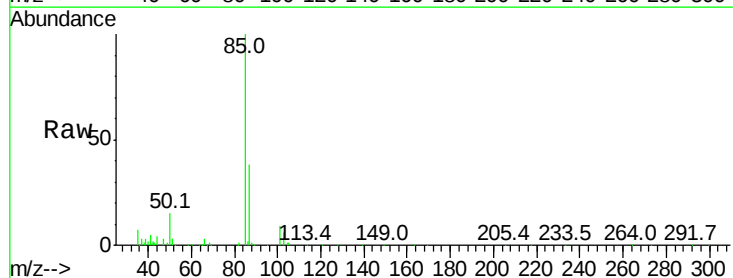
Acq: 16 Aug 2021 12:22

Tgt Ion: 85 Resp: 171862

Ion Ratio Lower Upper

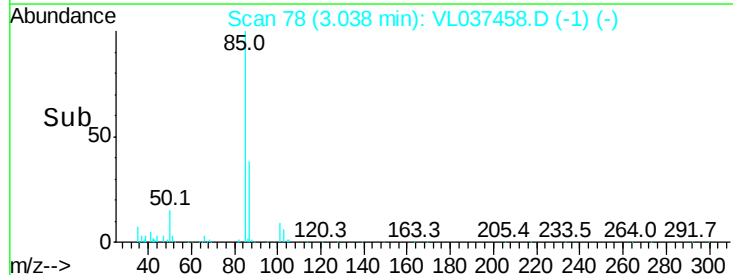
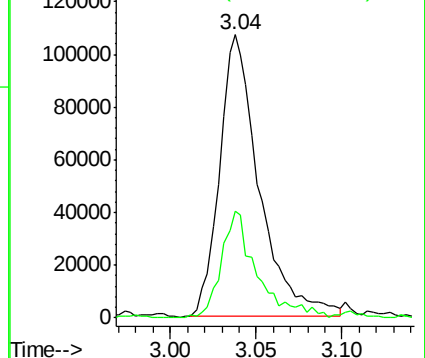
85 100

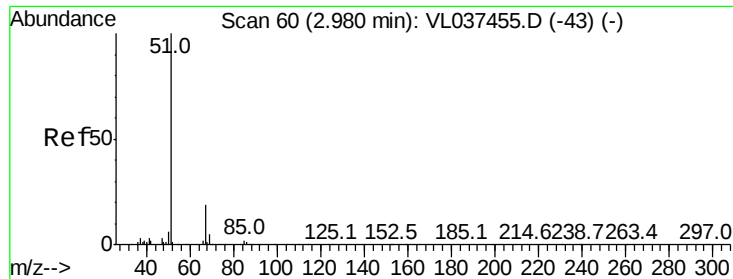
87 36.9 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

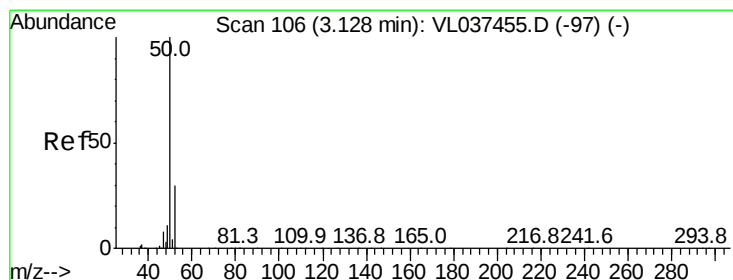
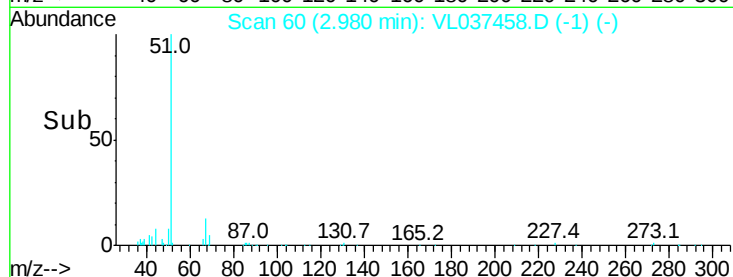
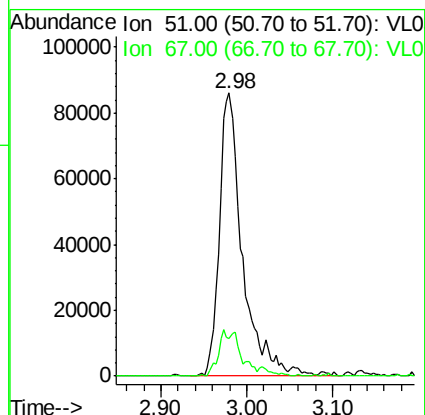
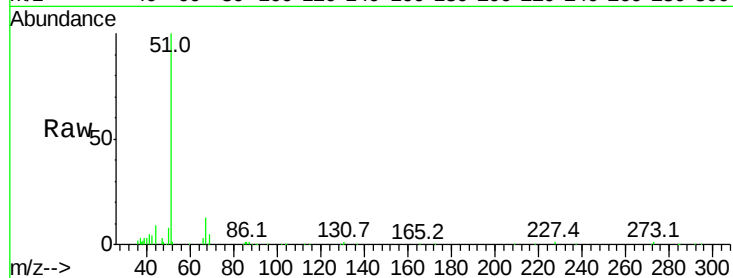




#3
Chlorodifluoromethane
Concen: 0.535 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

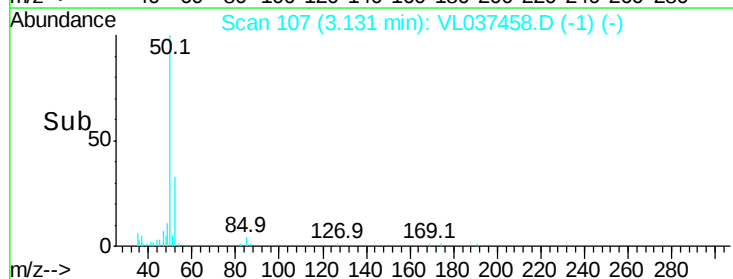
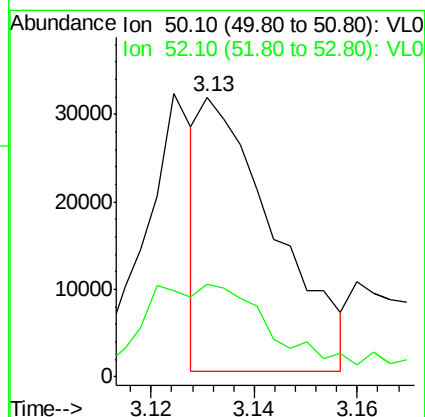
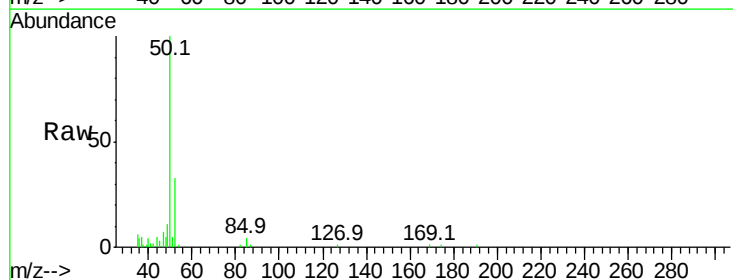
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

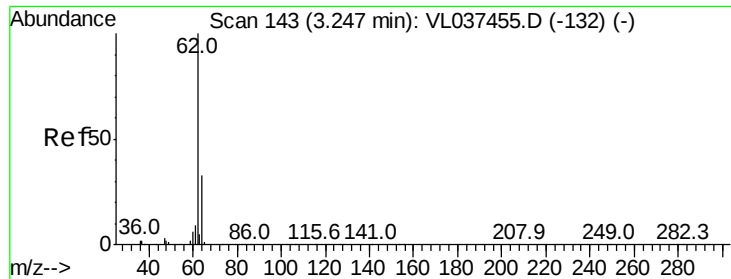
Tgt Ion: 51 Resp: 161435
Ion Ratio Lower Upper
51 100
67 17.0 14.2 21.2



#4
Chloromethane
Concen: 0.287 ppbv
RT: 3.13 min Scan# 107
Delta R.T. 0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion: 50 Resp: 31141
Ion Ratio Lower Upper
50 100
52 31.7 24.0 36.0





#5

Vinyl Chloride

Concen: 0.391 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

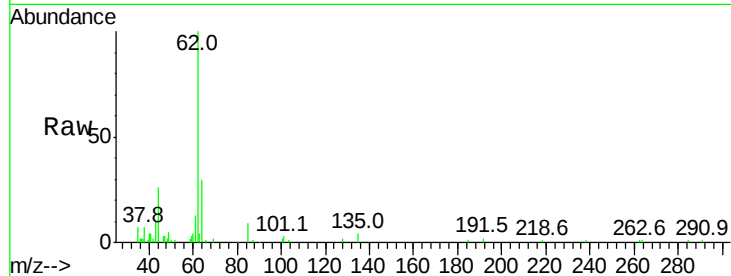
VSTDIC0.5

Tgt Ion: 62 Resp: 46749

Ion Ratio Lower Upper

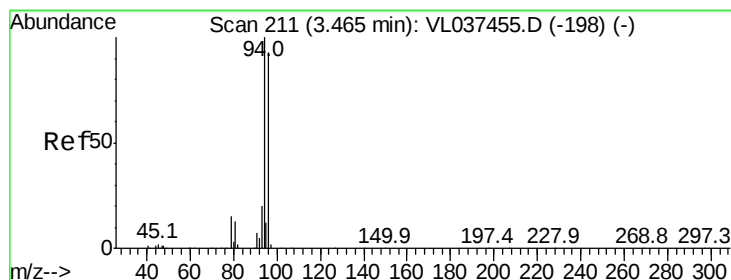
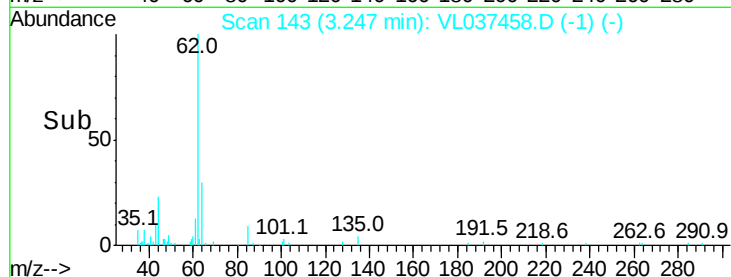
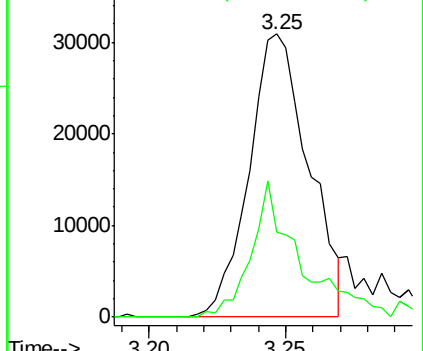
62 100

64 29.9 26.5 39.7



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0



#6

Bromomethane

Concen: 0.210 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037458.D

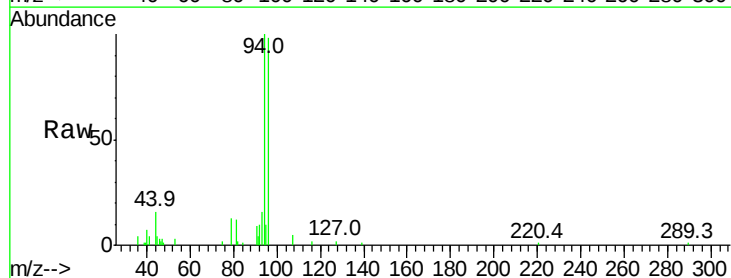
Acq: 16 Aug 2021 12:22

Tgt Ion: 94 Resp: 12995

Ion Ratio Lower Upper

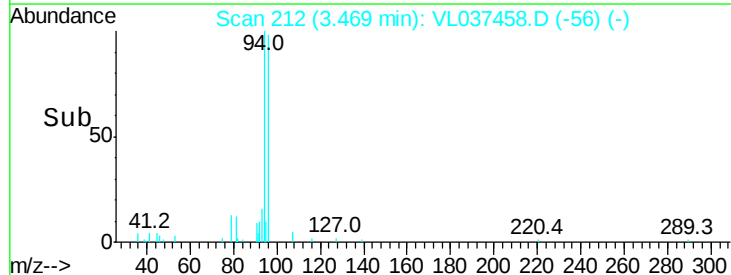
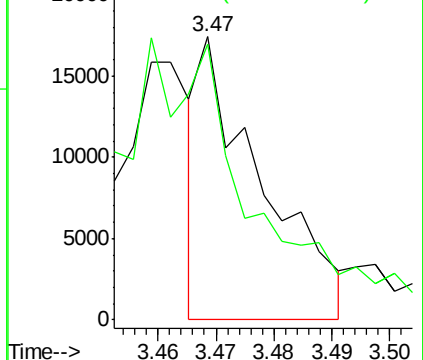
94 100

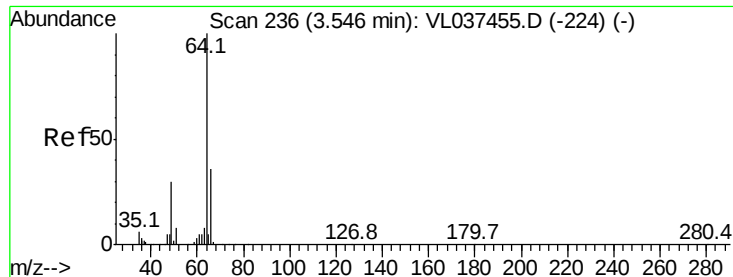
96 101.3 74.5 111.7



Abundance Ion 94.00 (93.70 to 94.70): VL0

Ion 96.00 (95.70 to 96.70): VL0





#7

Chloroethane

Concen: 0.206 ppbv

RT: 3.54 min Scan# 235

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

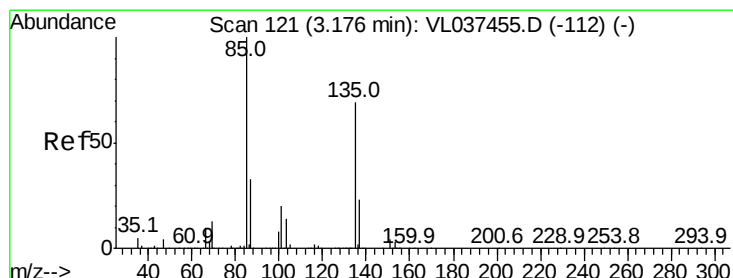
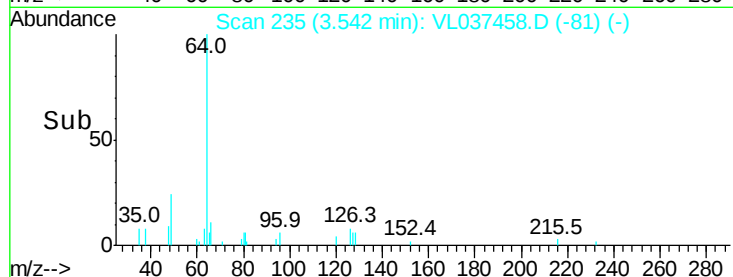
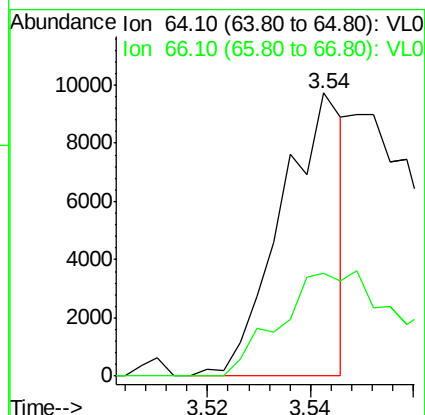
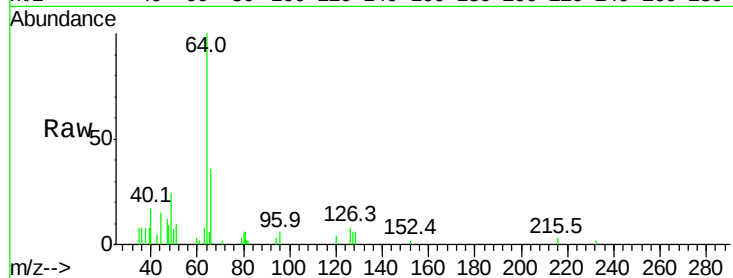
VSTDIC0.5

Tgt Ion: 64 Resp: 8123

Ion Ratio Lower Upper

64 100

66 36.1 28.6 43.0



#8

Dichlorotetrafluoroethane

Concen: 0.520 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL037458.D

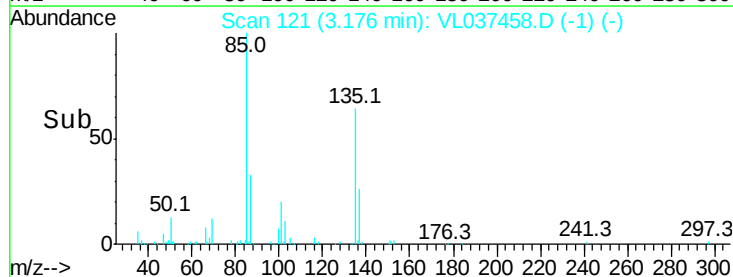
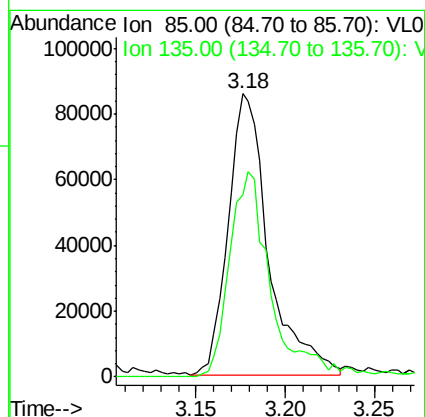
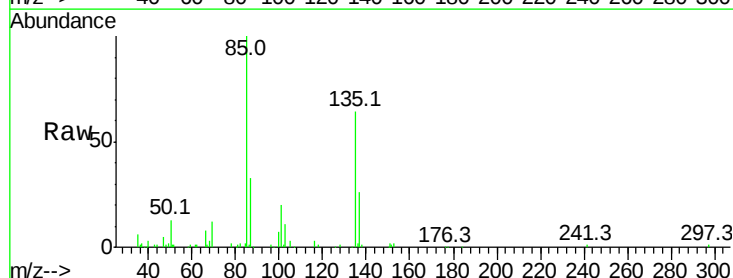
Acq: 16 Aug 2021 12:22

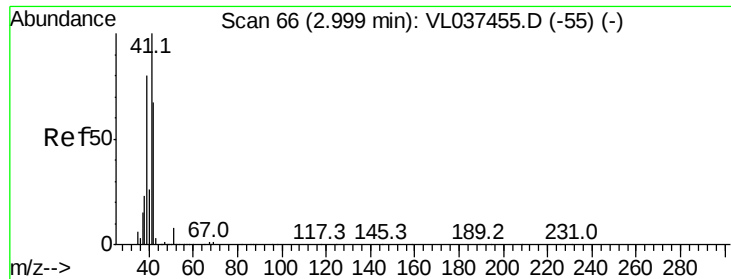
Tgt Ion: 85 Resp: 136259

Ion Ratio Lower Upper

85 100

135 75.9 58.8 88.2





#9

Propene

Concen: 0.501 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

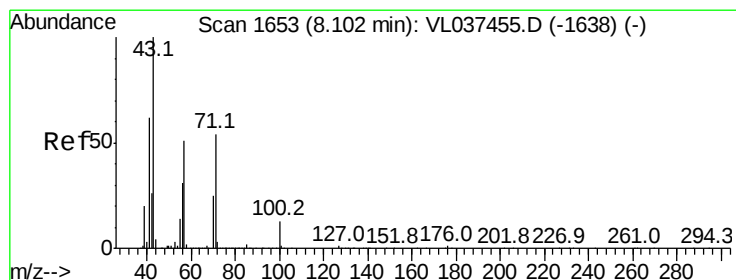
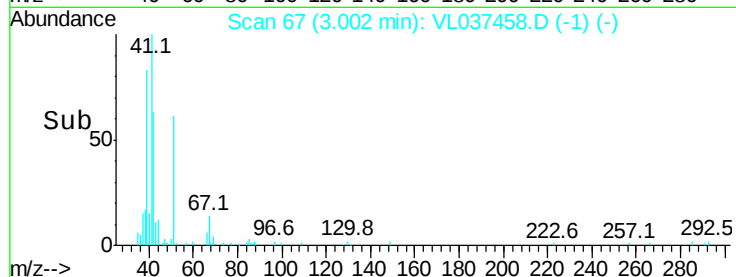
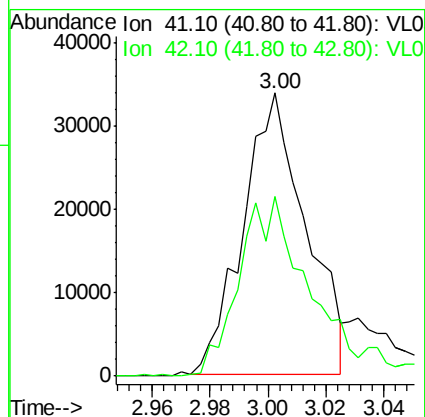
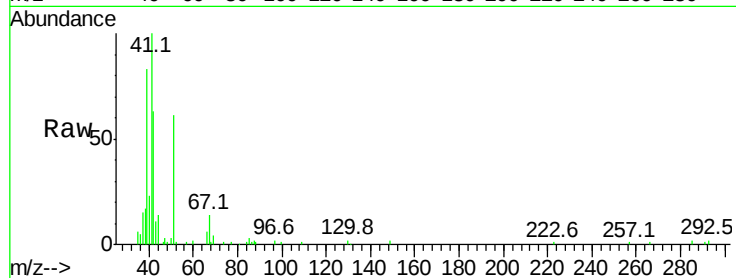
VSTDIC0.5

Tgt Ion: 41 Resp: 50788

Ion Ratio Lower Upper

41 100

42 74.6 53.7 80.5



#10

Heptane

Concen: 0.480 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.01 min

Lab File: VL037458.D

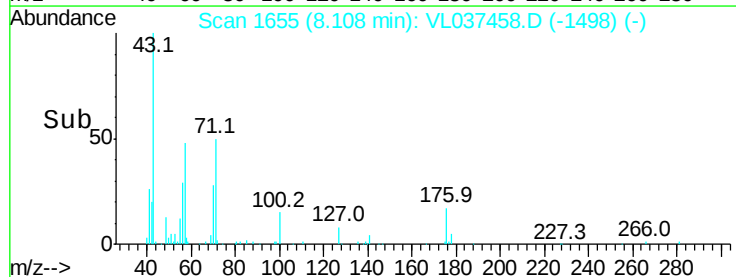
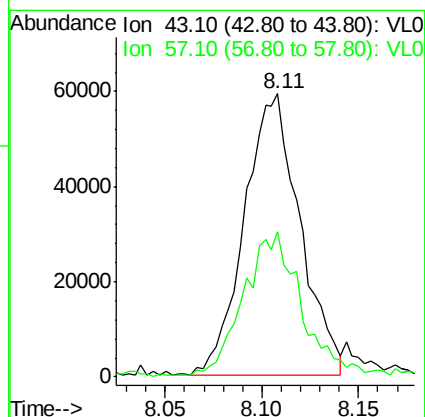
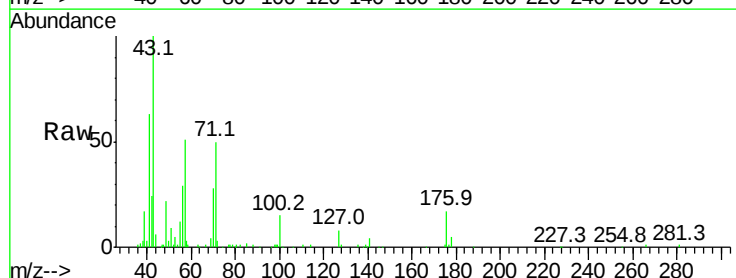
Acq: 16 Aug 2021 12:22

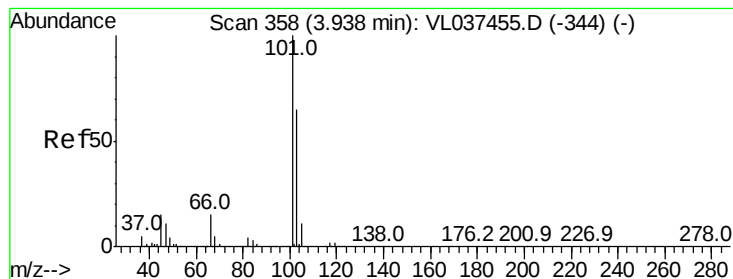
Tgt Ion: 43 Resp: 118242

Ion Ratio Lower Upper

43 100

57 56.3 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.484 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

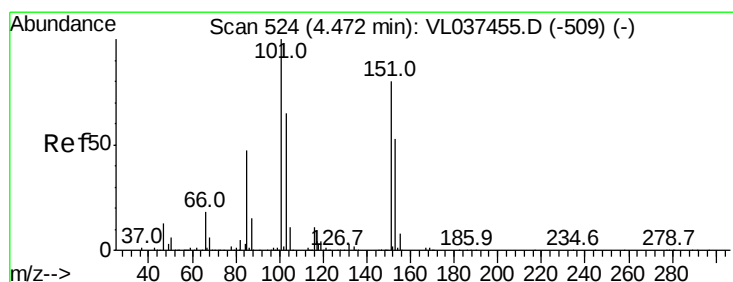
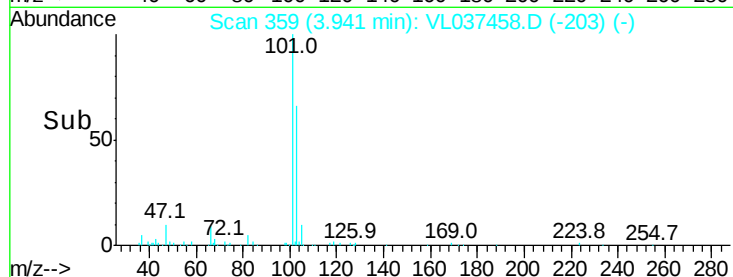
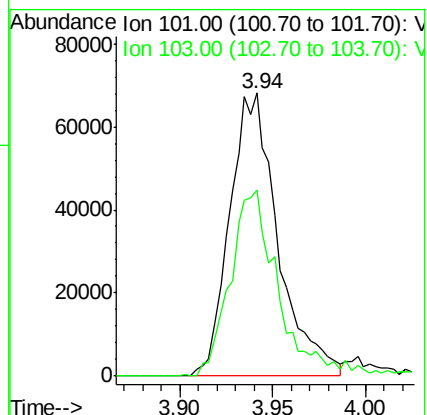
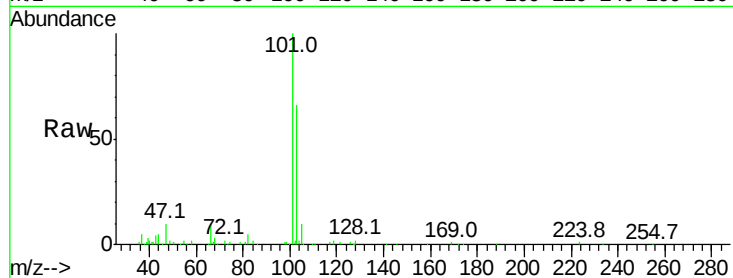
VSTDIC0.5

Tgt Ion:101 Resp: 123011

Ion Ratio Lower Upper

101 100

103 65.7 51.8 77.6



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.320 ppbv

RT: 4.47 min Scan# 523

Delta R.T. -0.00 min

Lab File: VL037458.D

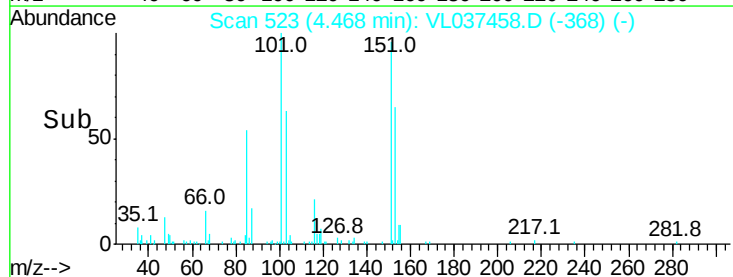
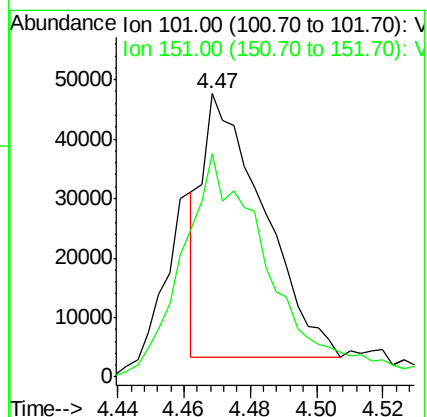
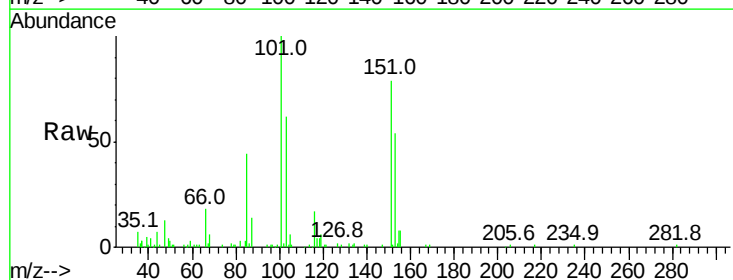
Acq: 16 Aug 2021 12:22

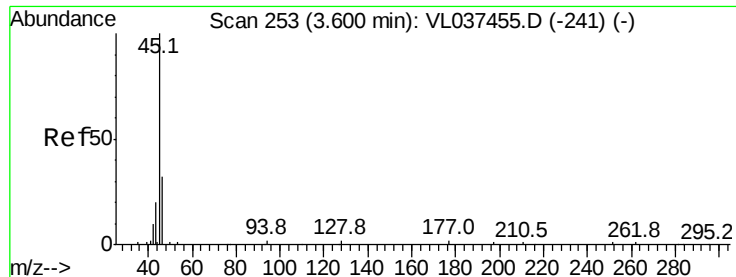
Tgt Ion:101 Resp: 57004

Ion Ratio Lower Upper

101 100

151 124.4 63.7 95.5#





#13

Ethanol

Concen: 0.151 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

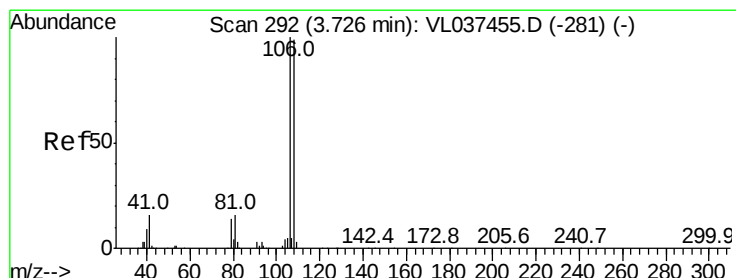
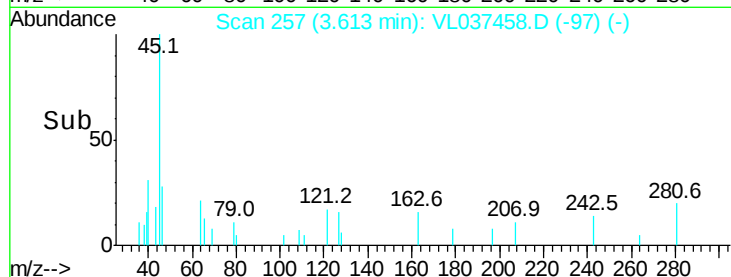
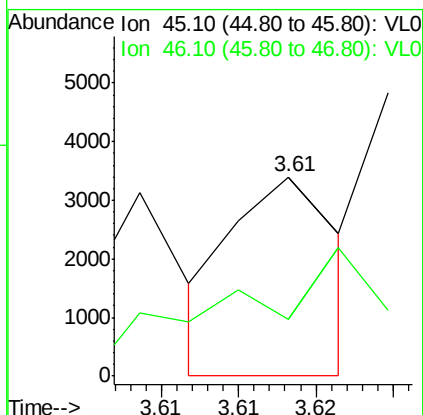
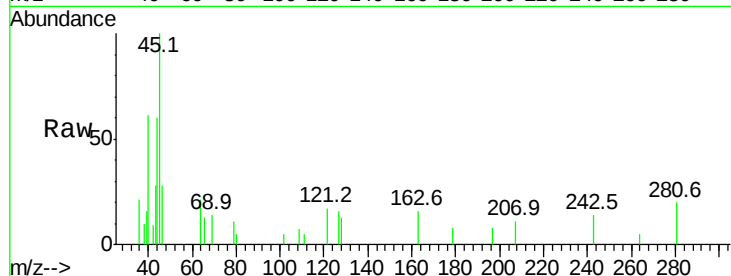
VSTDIC0.5

Tgt Ion: 45 Resp: 1638

Ion Ratio Lower Upper

45 100

46 0.0 14.1 56.5#



#14

Bromoethene

Concen: 0.321 ppbv

RT: 3.73 min Scan# 294

Delta R.T. 0.01 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

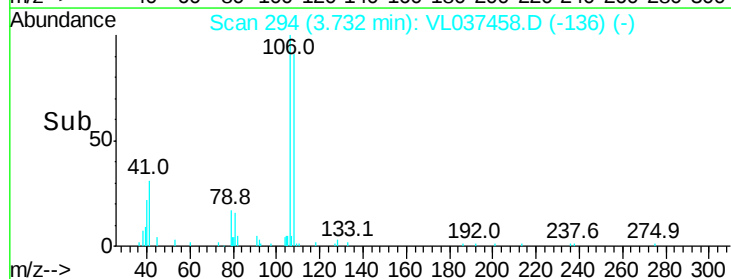
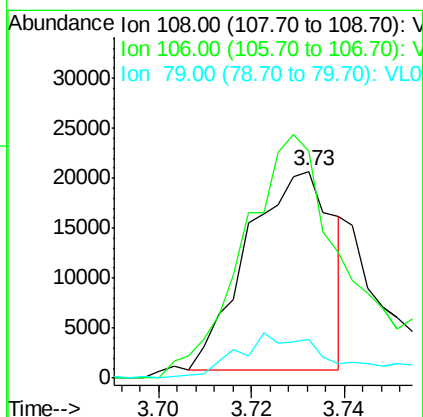
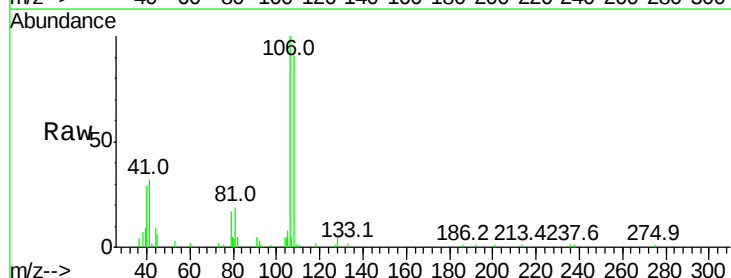
Tgt Ion: 108 Resp: 25382

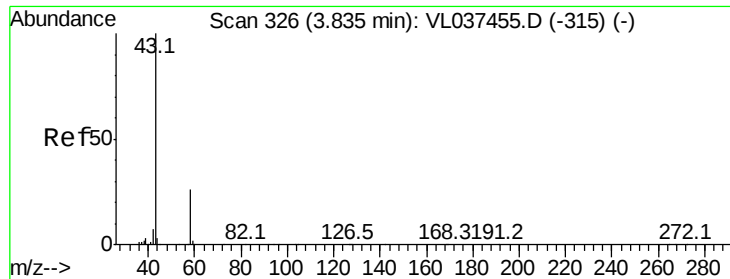
Ion Ratio Lower Upper

108 100

106 166.0 85.8 128.8#

79 29.9 12.6 18.8#





#15

Acetone

Concen: 0.218 ppbv

RT: 3.86 min Scan# 333

Delta R.T. 0.02 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

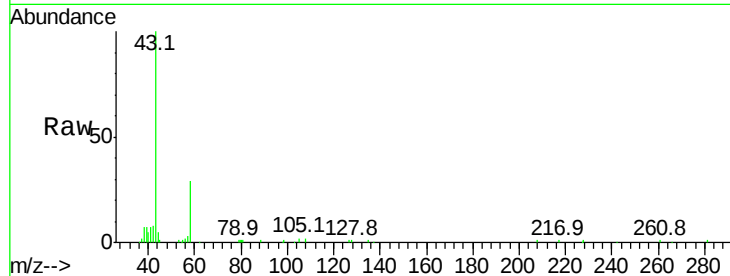
VSTDIC0.5

Tgt Ion: 43 Resp: 35593

Ion Ratio Lower Upper

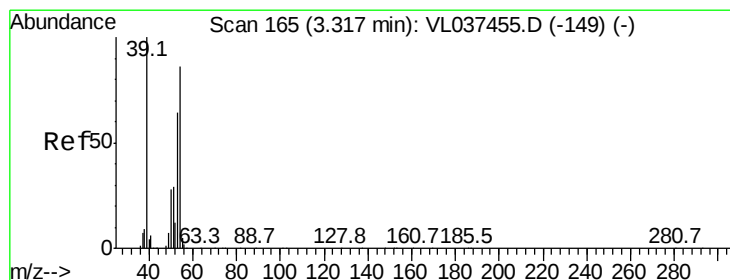
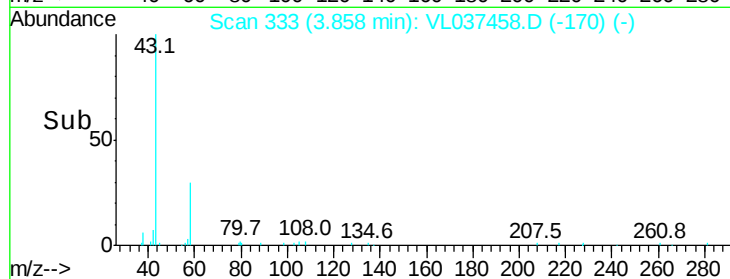
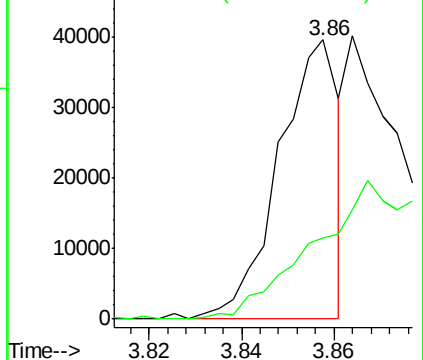
43 100

58 0.0 24.8 37.2#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.465 ppbv

RT: 3.31 min Scan# 164

Delta R.T. -0.00 min

Lab File: VL037458.D

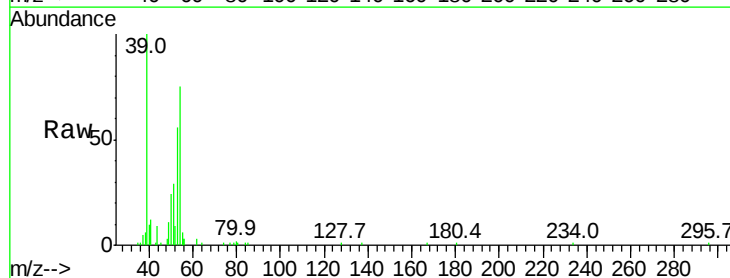
Acq: 16 Aug 2021 12:22

Tgt Ion: 39 Resp: 50829

Ion Ratio Lower Upper

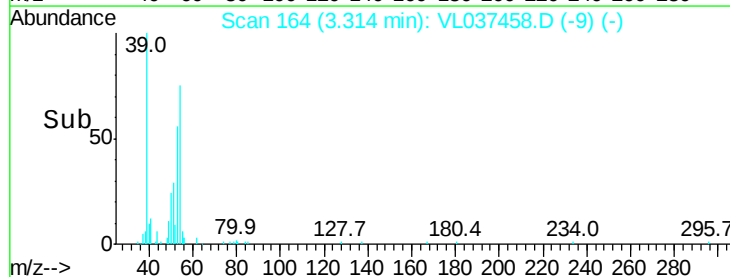
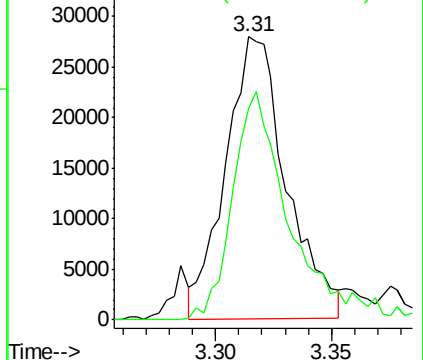
39 100

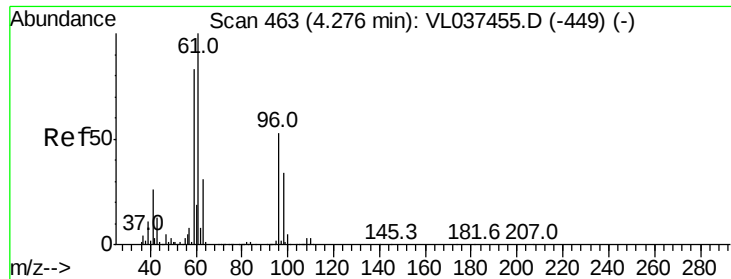
54 78.1 63.7 95.5



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0

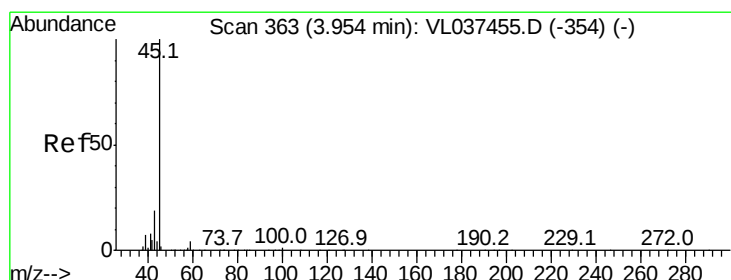
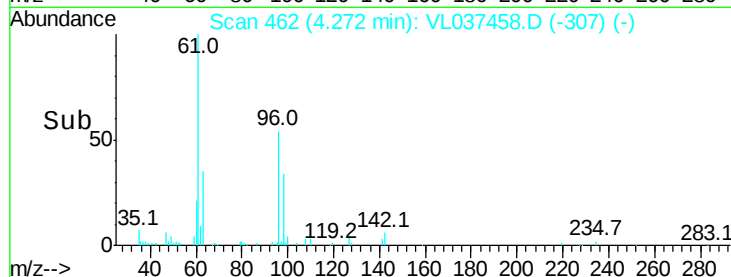
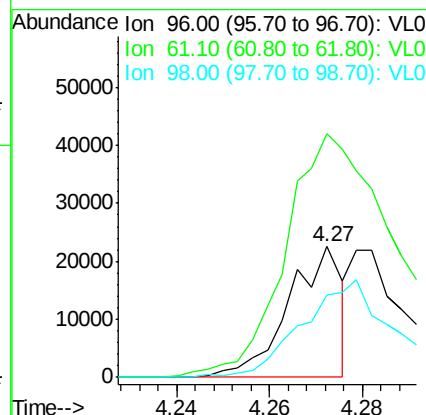
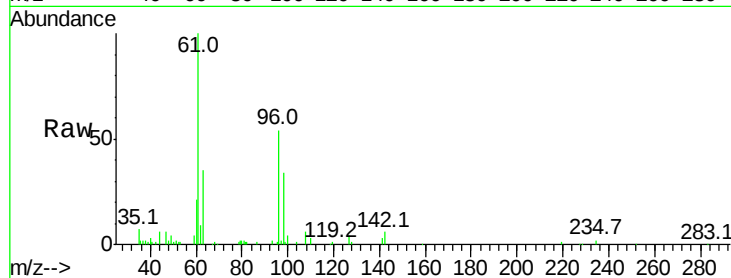




#18
 1,1-Dichloroethene
 Concen: 0.220 ppbv
 RT: 4.27 min Scan# 462
 Delta R.T. -0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

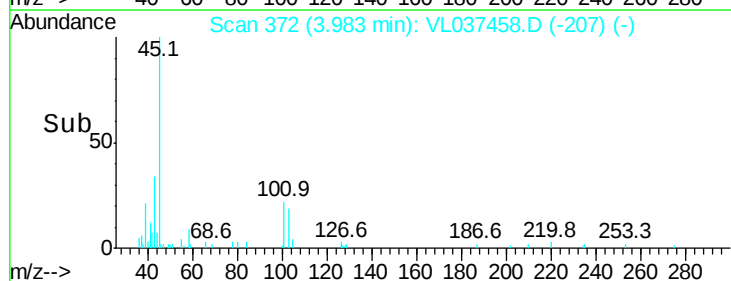
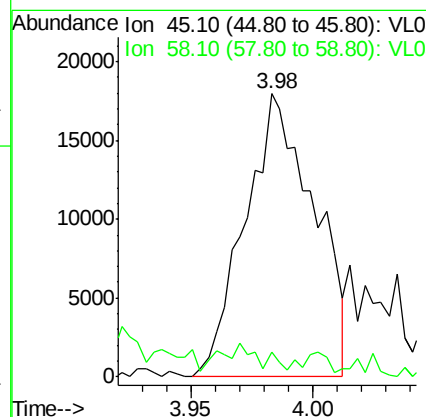
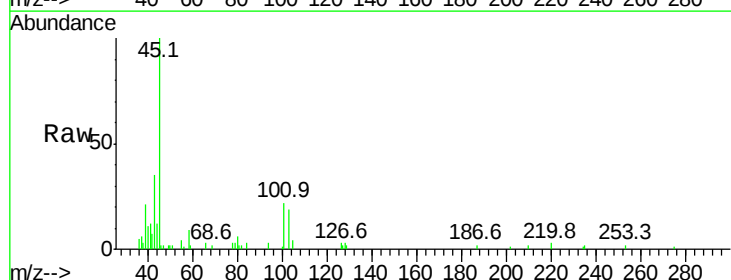
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

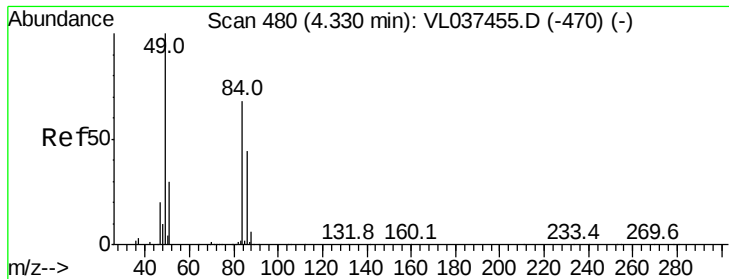
Tgt Ion: 96 Resp: 18163
 Ion Ratio Lower Upper
 96 100
 61 182.2 151.1 226.7
 98 62.9 51.8 77.8



#19
 Isopropyl Alcohol
 Concen: 0.371 ppbv
 RT: 3.98 min Scan# 372
 Delta R.T. 0.03 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Tgt Ion: 45 Resp: 35237
 Ion Ratio Lower Upper
 45 100
 58 13.7 1.4 2.2#

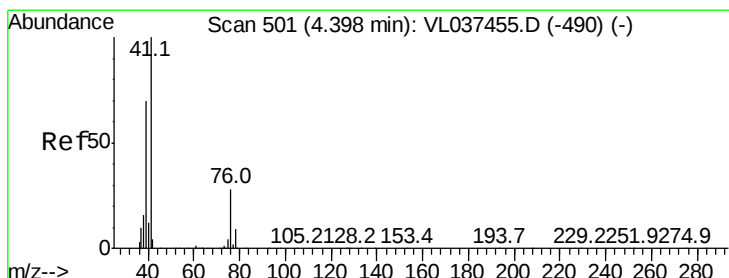
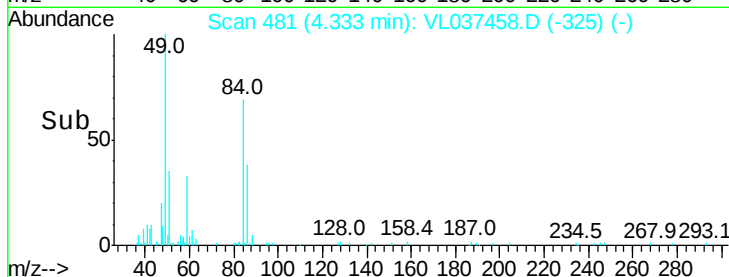
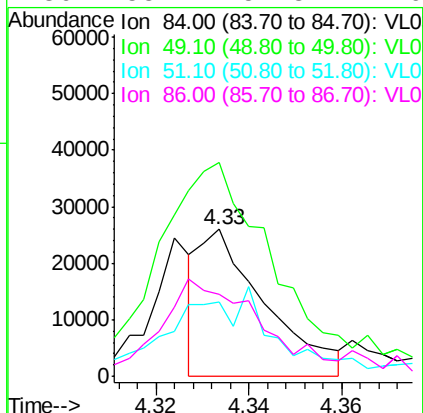
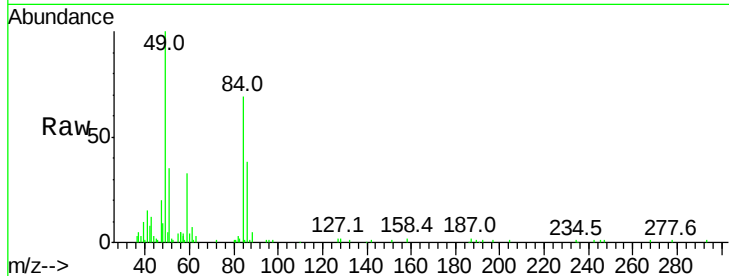




#20
Methylene Chloride
Concen: 0.297 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

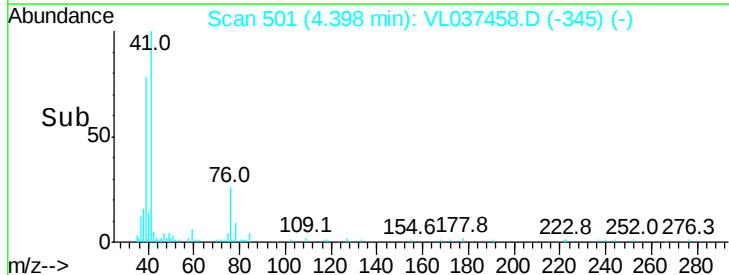
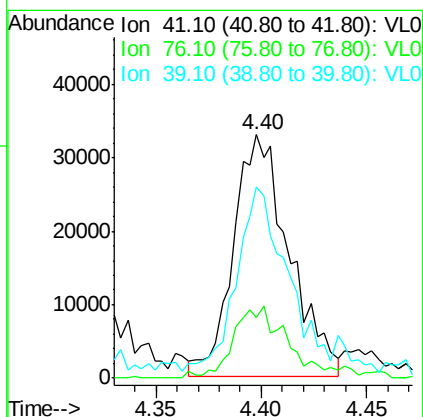
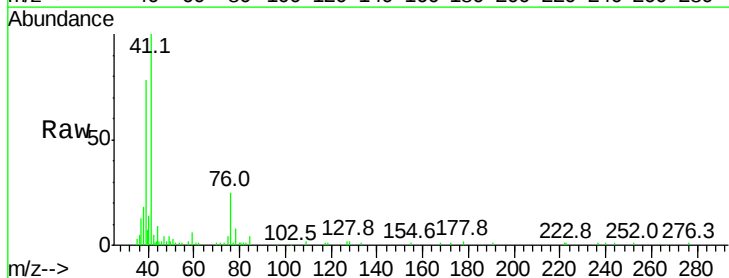
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

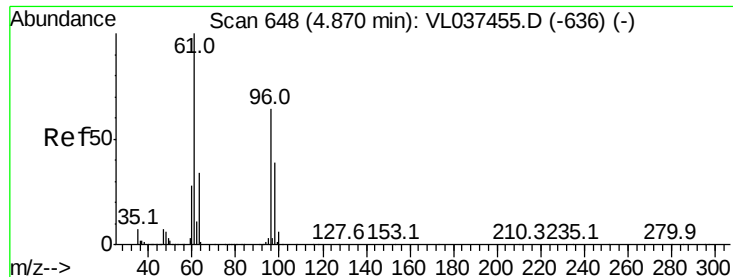
Tgt Ion:	84	Resp:	25559
Ion	Ratio	Lower	Upper
84	100		
49	142.2	118.2	177.2
51	47.3	36.6	55.0
86	55.1	51.8	77.6



#21
Allyl Chloride
Concen: 0.471 ppbv
RT: 4.40 min Scan# 501
Delta R.T. -0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion:	41	Resp:	60138
Ion	Ratio	Lower	Upper
41	100		
76	30.8	21.8	32.6
39	83.4	56.8	85.2





#22

trans-1,2-Dichloroethene

Concen: 0.319 ppbv

RT: 4.87 min Scan# 648

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

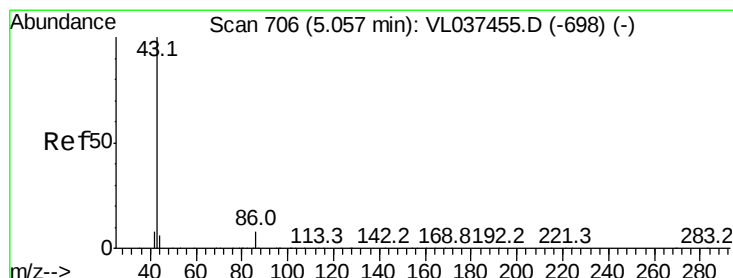
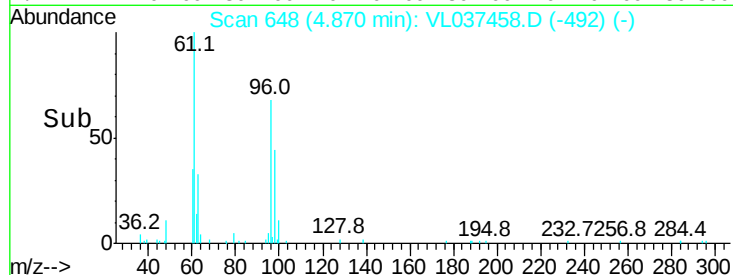
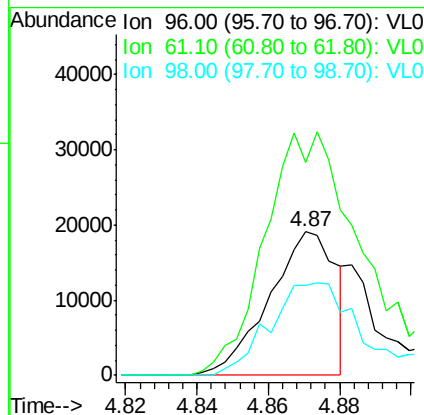
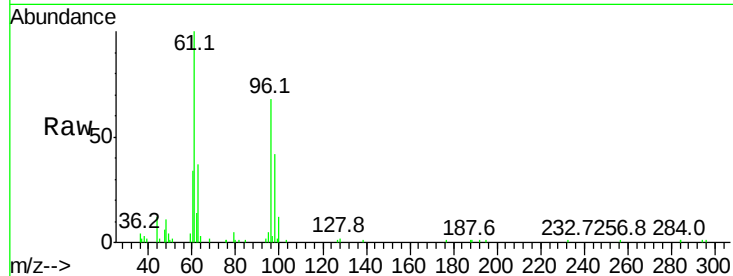
Tgt Ion: 96 Resp: 24762

Ion Ratio Lower Upper

96 100

61 147.9 125.5 188.3

98 62.7 49.0 73.4



#23

Vinyl Acetate

Concen: 0.396 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion: 43 Resp: 99077

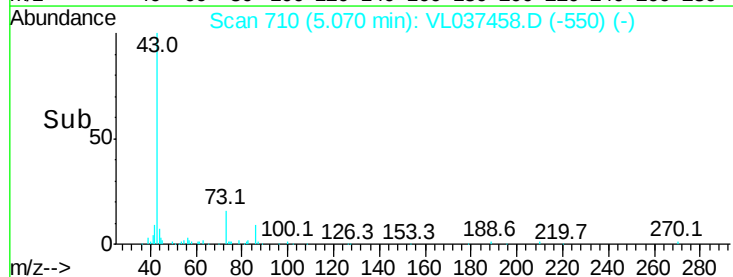
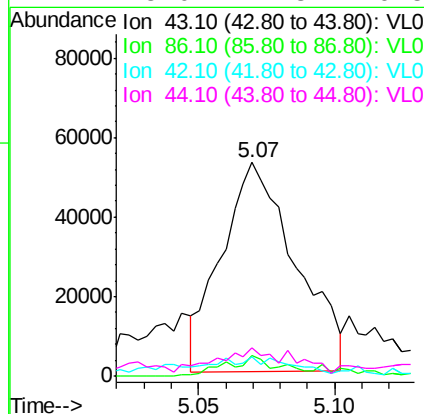
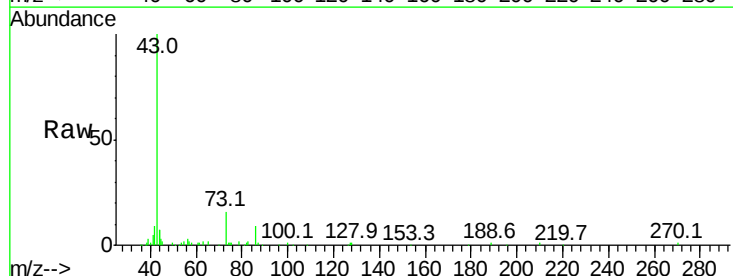
Ion Ratio Lower Upper

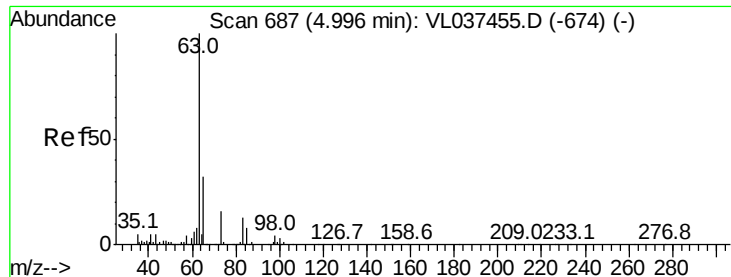
43 100

86 10.7 5.7 8.5#

42 8.1 7.4 11.2

44 15.0 4.3 6.5#





#24

1,1-Dichloroethane

Concen: 0.173 ppbv

RT: 5.00 min Scan# 689

Delta R.T. 0.01 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

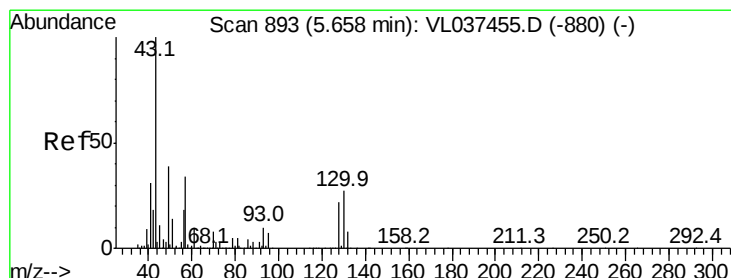
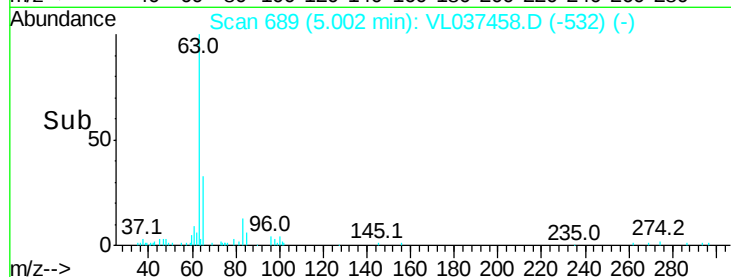
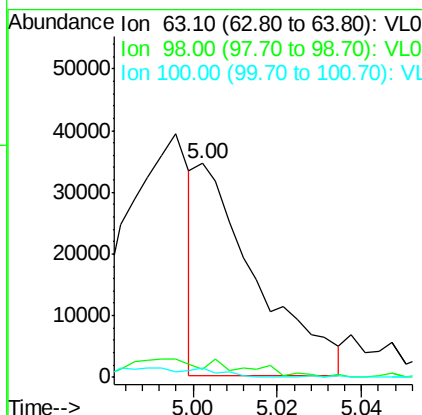
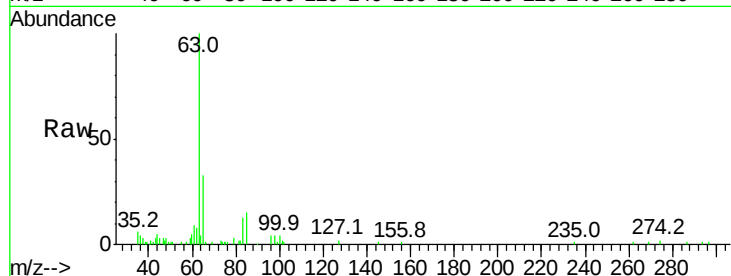
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:	63	Resp:	33571
Ion	Ratio	Lower	Upper
63	100		
98	2.8	2.1	6.3
100	3.9	1.6	4.7



#25

Ethyl Acetate

Concen: 0.459 ppbv

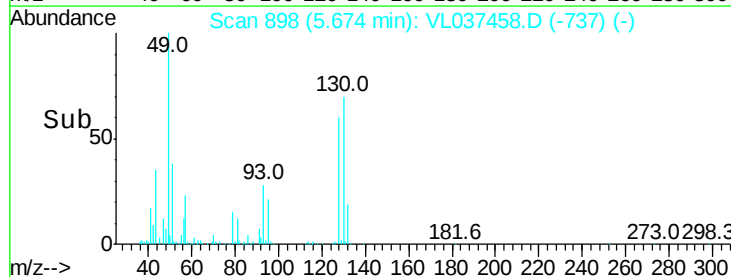
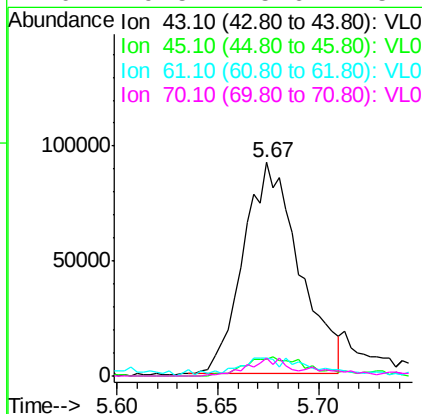
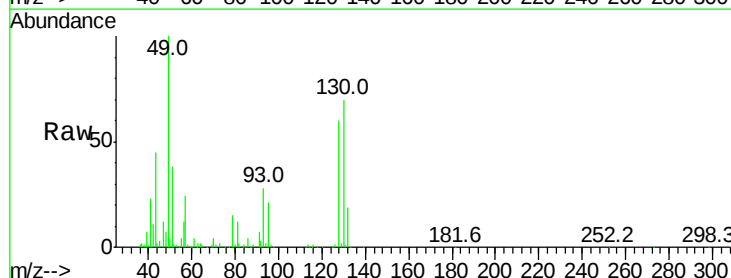
RT: 5.67 min Scan# 898

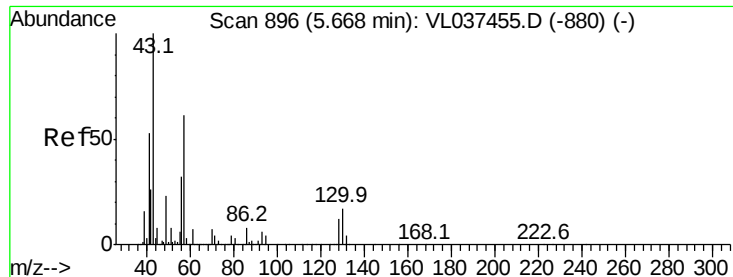
Delta R.T. 0.02 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion:	43	Resp:	178150
Ion	Ratio	Lower	Upper
43	100		
45	11.4	8.0	12.0
61	13.2	8.0	12.0#
70	9.5	5.6	8.4#

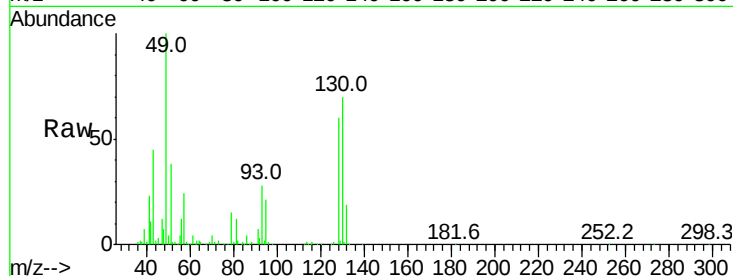




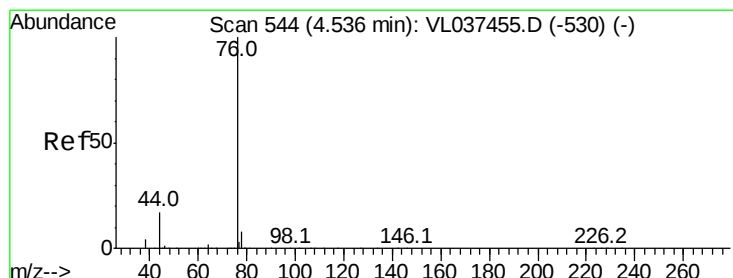
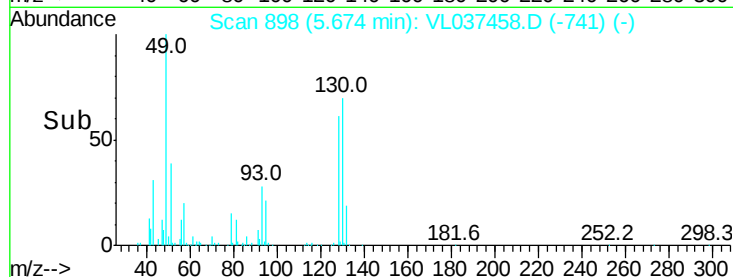
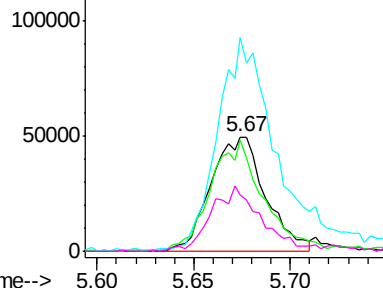
#26
Hexane
Concen: 0.483 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:	57	Resp:	96784
Ion	Ratio	Lower	Upper
57	100		
41	101.1	72.3	108.5
43	216.7	172.3	258.5
56	57.7	42.8	64.2

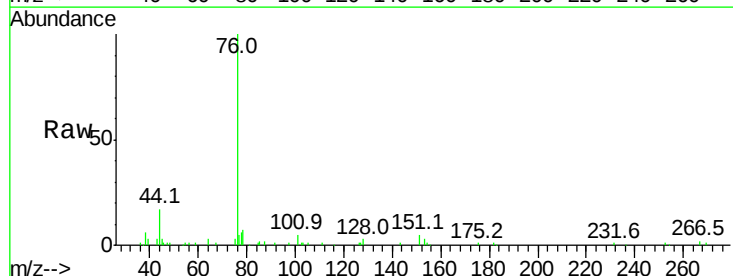


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

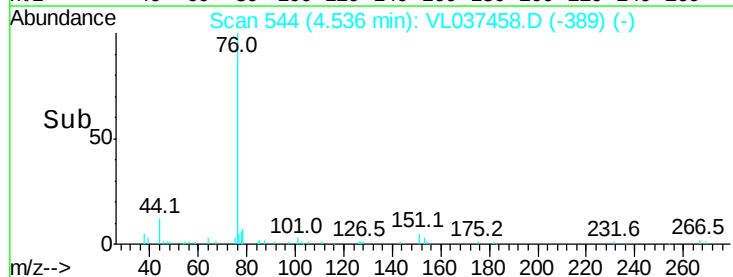
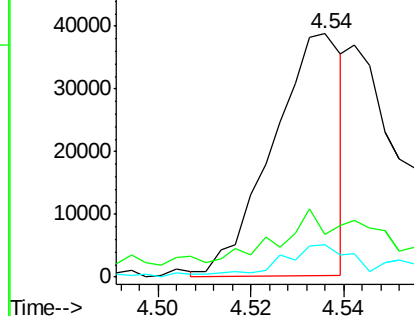


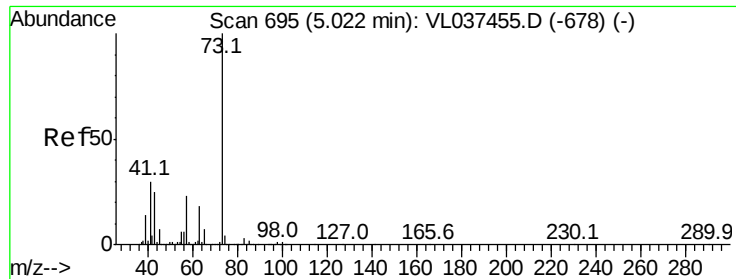
#27
Carbon Disulfide
Concen: 0.237 ppbv
RT: 4.54 min Scan# 544
Delta R.T. -0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion:	76	Resp:	40125
Ion	Ratio	Lower	Upper
76	100		
44	32.8	13.9	20.9#
78	23.0	7.9	11.9#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





#28

Methyl tert-Butyl Ether

Concen: 0.449 ppbv

RT: 5.04 min Scan# 700

Delta R.T. 0.02 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

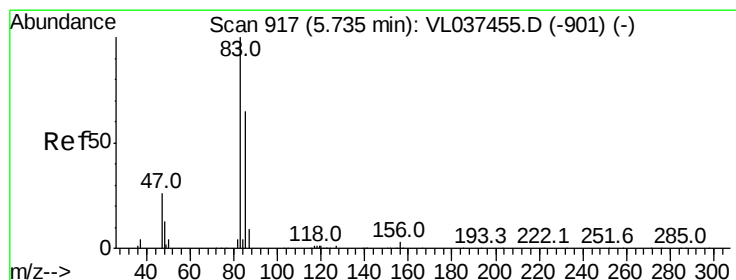
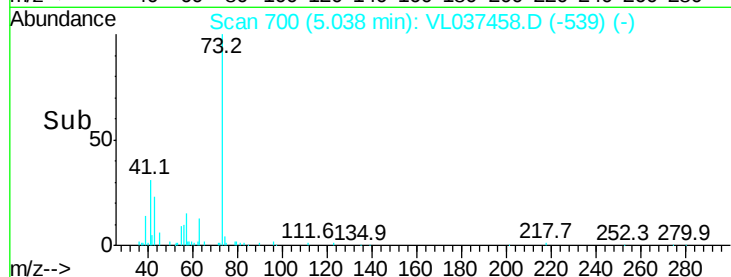
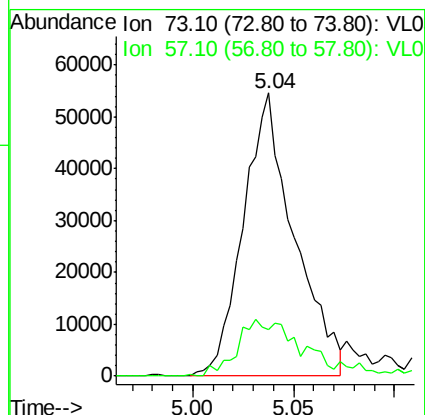
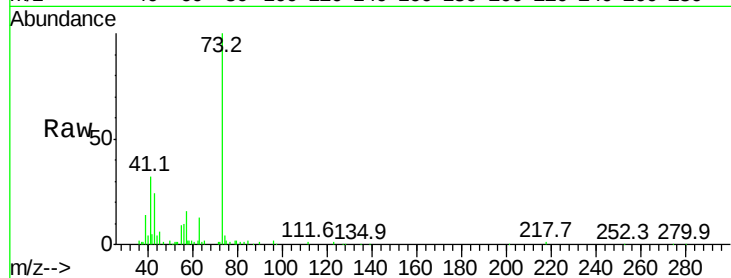
VSTDIC0.5

Tgt Ion: 73 Resp: 96329

Ion Ratio Lower Upper

73 100

57 27.4 19.4 29.2



#29

Chloroform

Concen: 0.311 ppbv

RT: 5.73 min Scan# 916

Delta R.T. -0.00 min

Lab File: VL037458.D

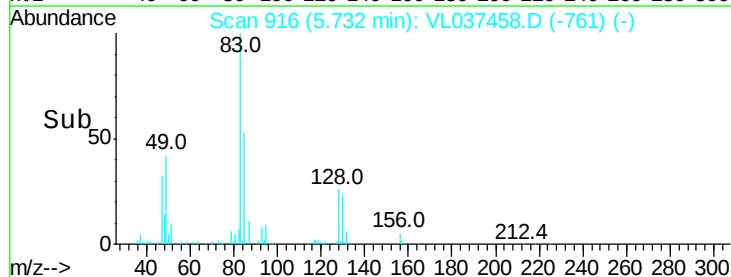
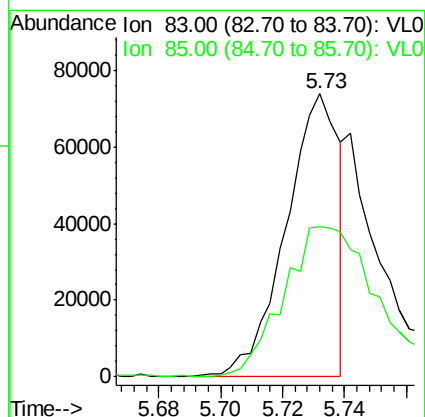
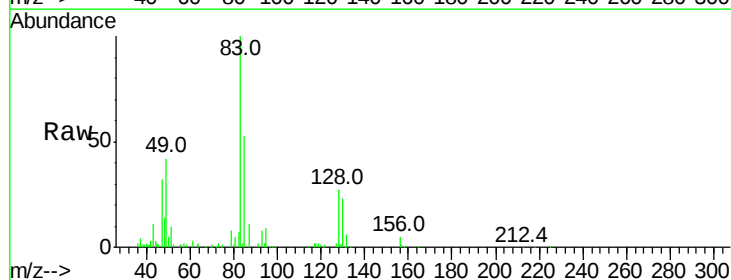
Acq: 16 Aug 2021 12:22

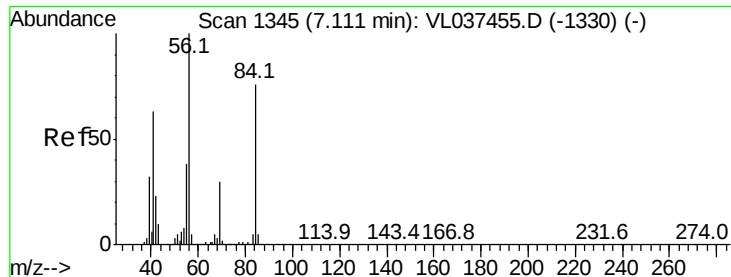
Tgt Ion: 83 Resp: 87756

Ion Ratio Lower Upper

83 100

85 53.3 52.3 78.5

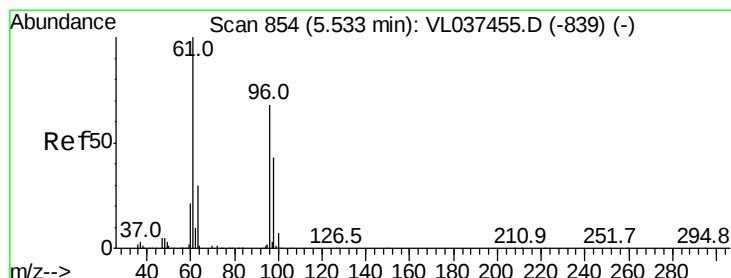
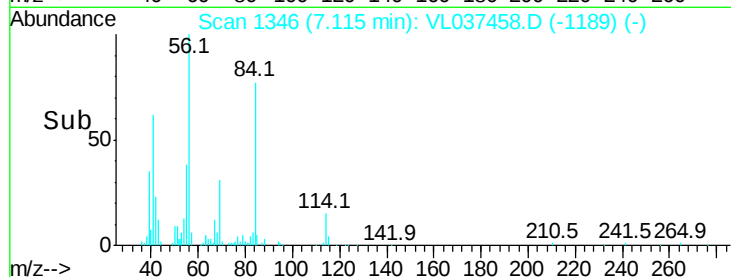
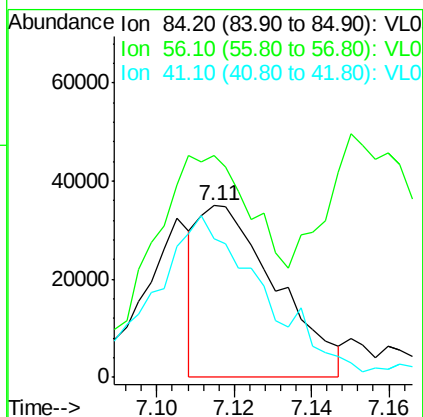
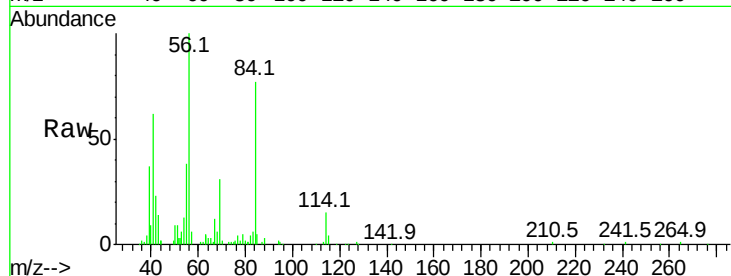




#30
Cyclohexane
Concen: 0.296 ppbv
RT: 7.11 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

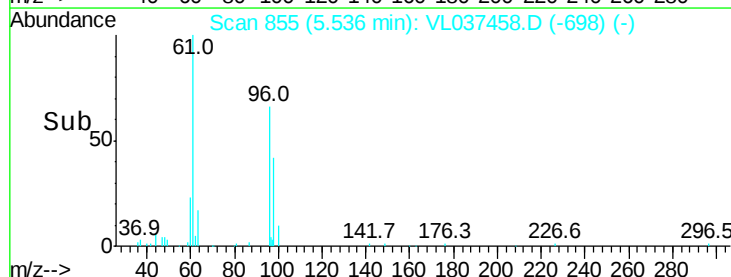
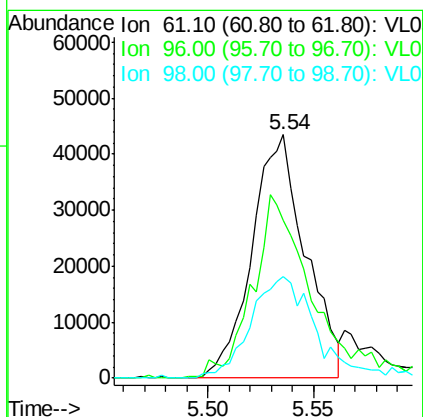
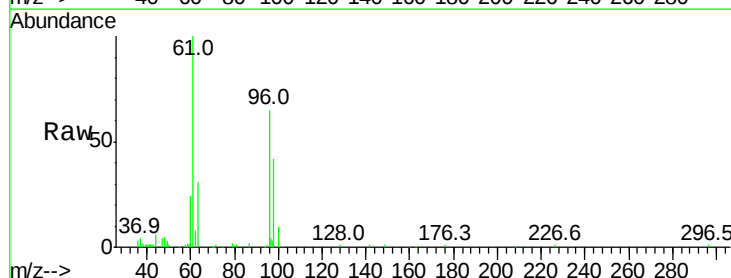
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

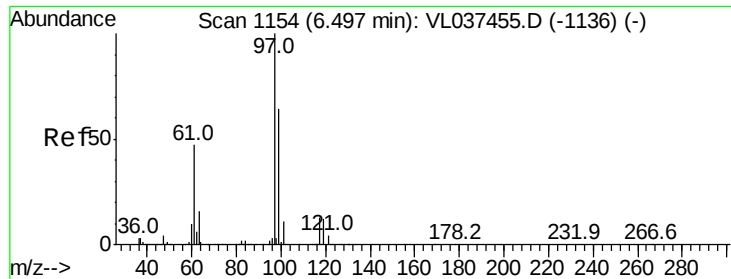
Tgt Ion: 84 Resp: 48868
Ion Ratio Lower Upper
84 100
56 182.9 110.6 165.8#
41 140.4 67.0 100.6#



#31
cis-1,2-Dichloroethene
Concen: 0.443 ppbv
RT: 5.54 min Scan# 855
Delta R.T. 0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion: 61 Resp: 76734
Ion Ratio Lower Upper
61 100
96 64.3 54.8 82.2
98 41.5 34.2 51.2





#32

1,1,1-Trichloroethane

Concen: 0.463 ppbv

RT: 6.49 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

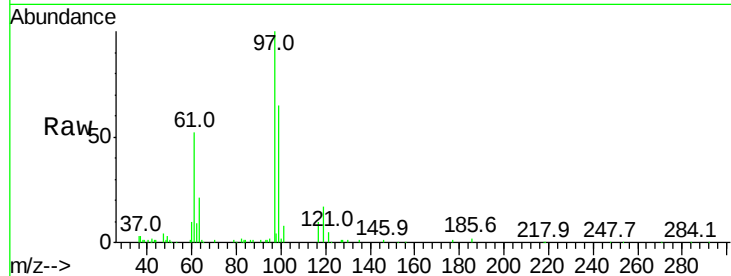
Tgt Ion: 97 Resp: 131820

Ion Ratio Lower Upper

97 100

99 66.0 51.8 77.6

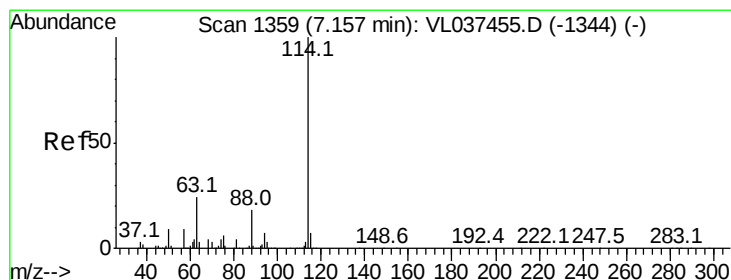
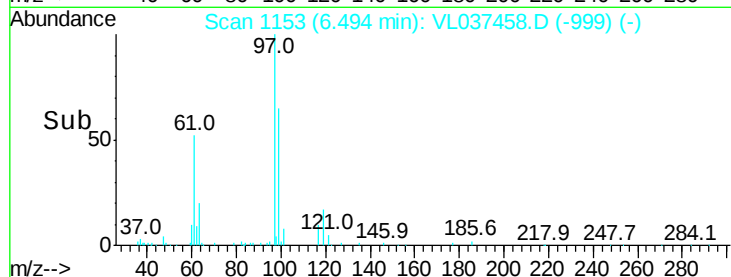
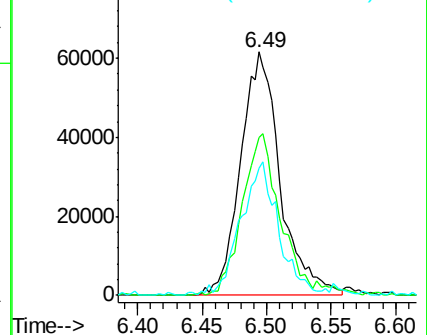
61 54.4 39.6 59.4



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: 7.15 min Scan# 1358

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

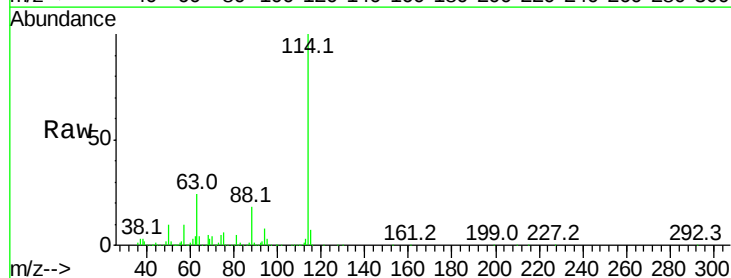
Tgt Ion: 114 Resp: 4519200

Ion Ratio Lower Upper

114 100

63 23.9 19.3 28.9

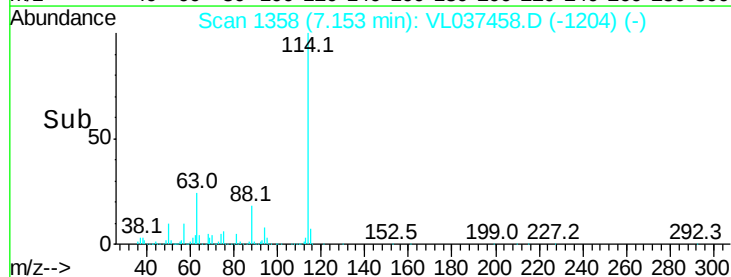
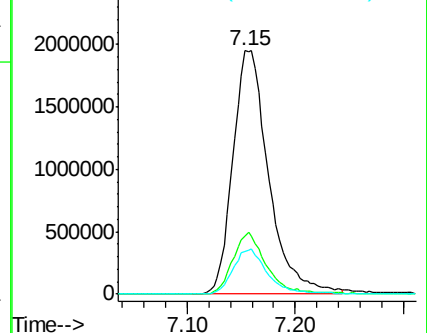
88 17.7 14.2 21.4

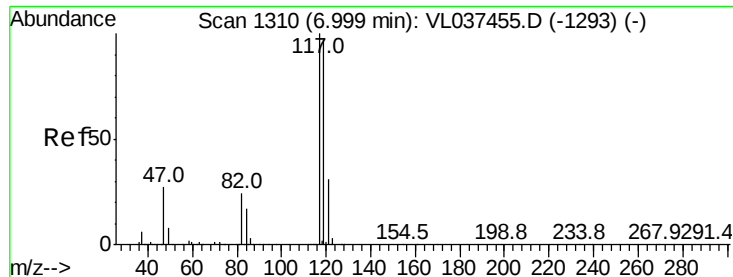


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#35

Carbon Tetrachloride

Concen: 0.187 ppbv

RT: 6.99 min Scan# 1308

Delta R.T. -0.01 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

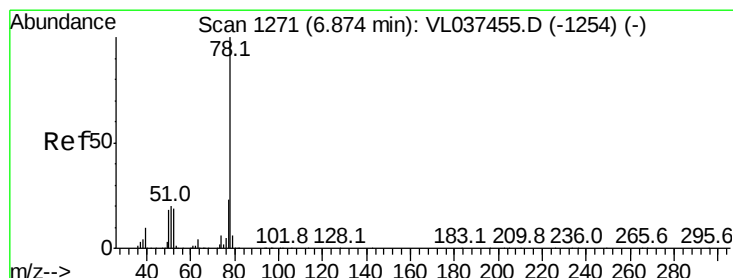
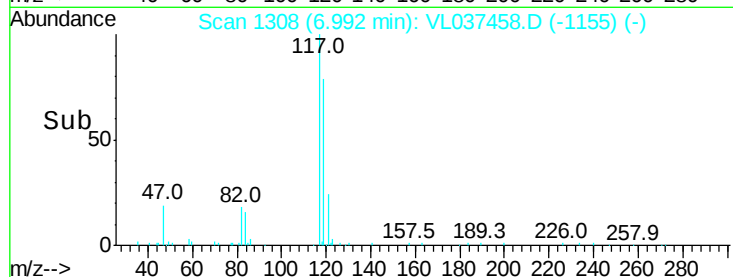
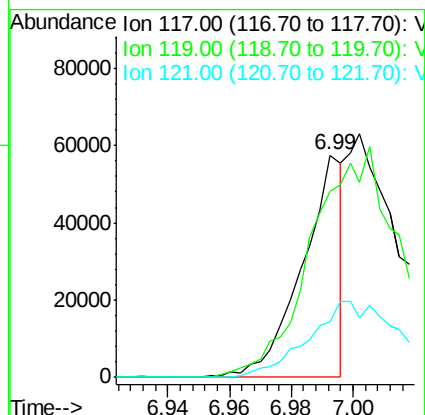
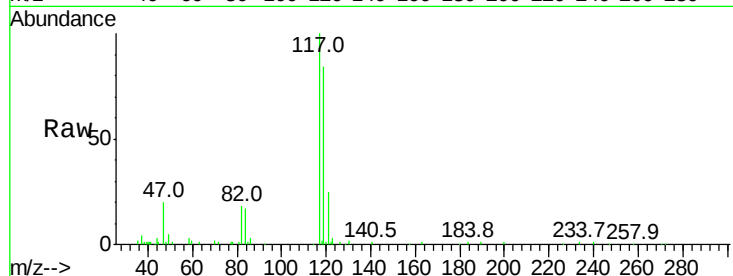
Tgt Ion:117 Resp: 52076

Ion Ratio Lower Upper

117 100

119 83.9 77.3 115.9

121 24.9 25.2 37.8#



#36

Benzene

Concen: 0.299 ppbv

RT: 6.87 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

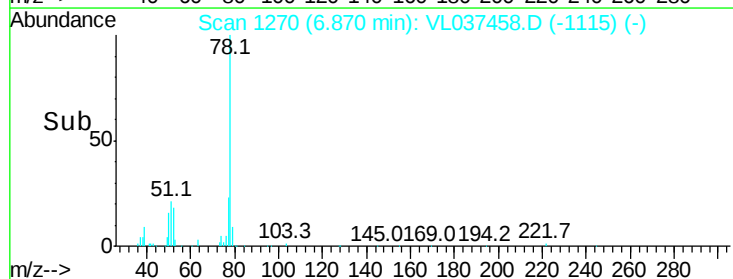
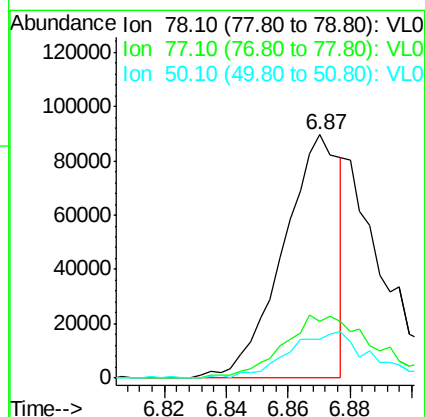
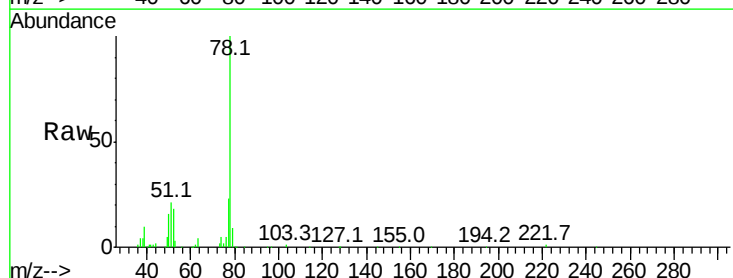
Tgt Ion: 78 Resp: 113806

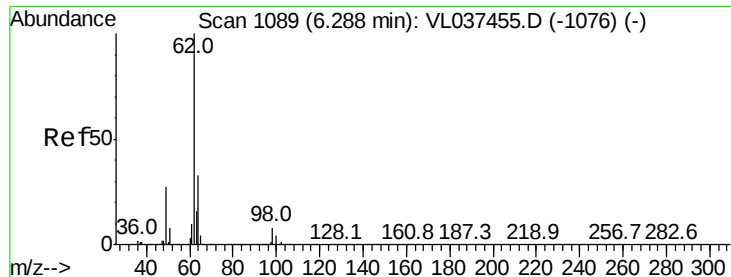
Ion Ratio Lower Upper

78 100

77 23.3 18.2 27.4

50 16.1 14.6 21.8

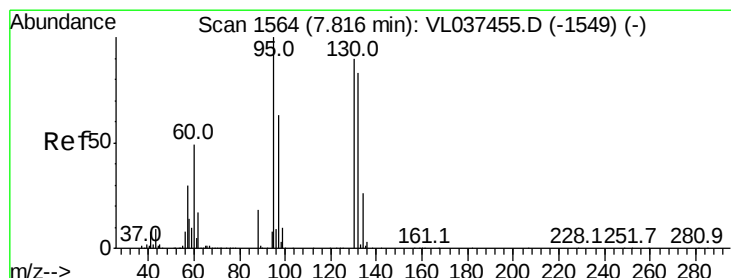
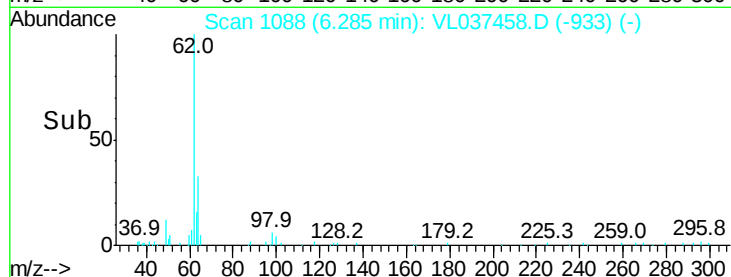
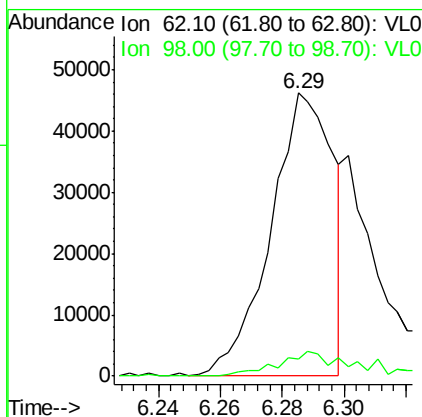
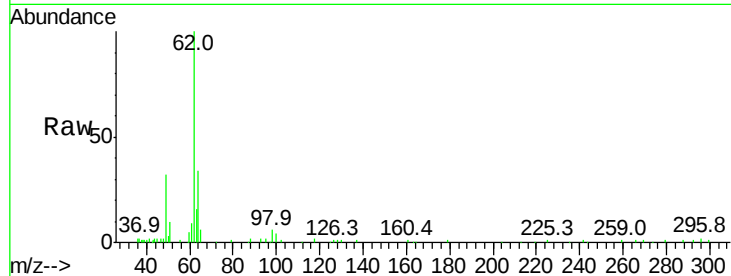




#37
 1,2-Dichloroethane
 Concen: 0.332 ppbv
 RT: 6.29 min Scan# 1088
 Delta R.T. -0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

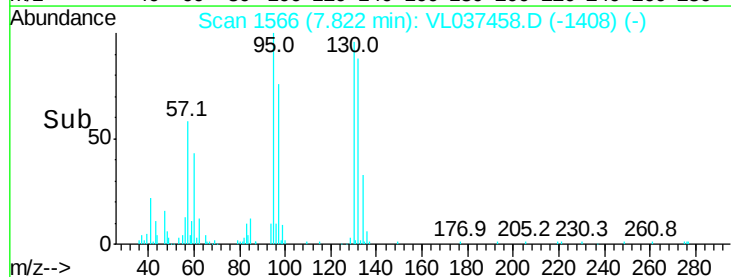
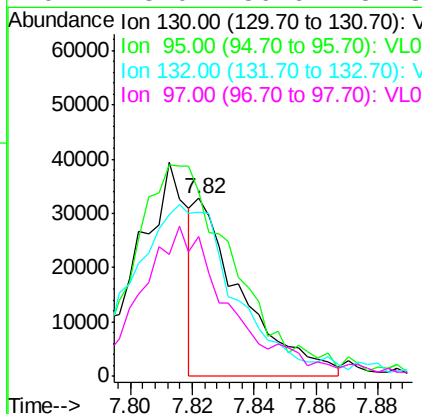
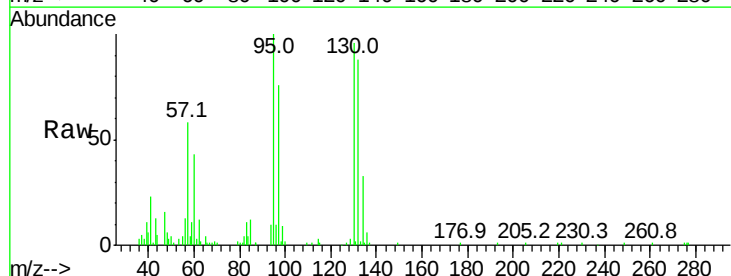
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

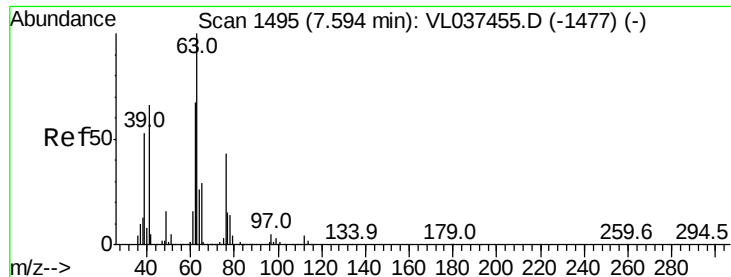
Tgt Ion: 62 Resp: 64543
 Ion Ratio Lower Upper
 62 100
 98 11.5 6.0 9.0#



#38
 Trichloroethene
 Concen: 0.204 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. 0.01 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Tgt Ion: 130 Resp: 34385
 Ion Ratio Lower Upper
 130 100
 95 104.9 89.2 133.8
 132 90.2 74.0 111.0
 97 78.0 56.6 84.8





#39

1,2-Dichloropropane

Concen: 0.228 ppbv

RT: 7.59 min Scan# 1494

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

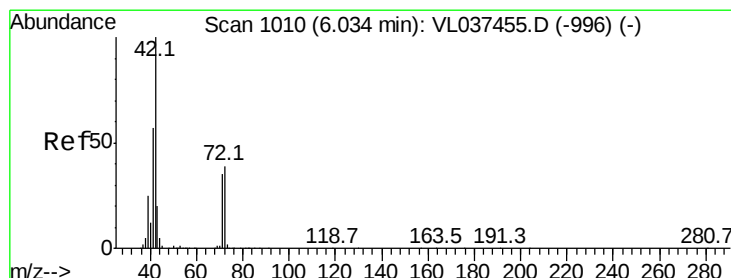
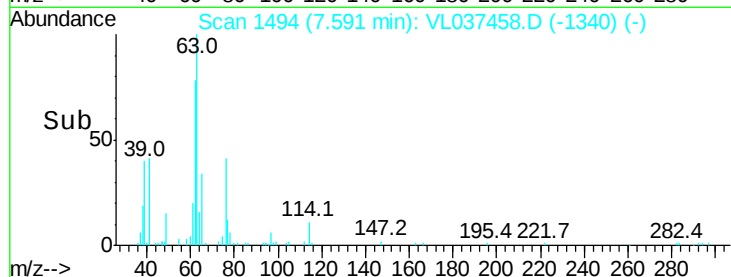
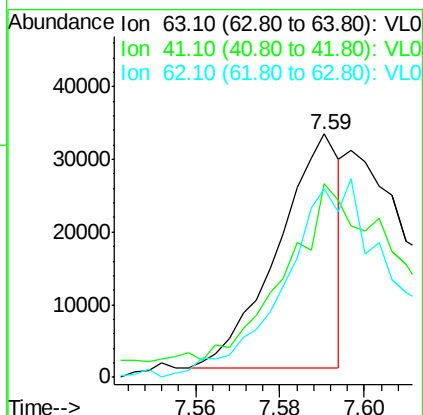
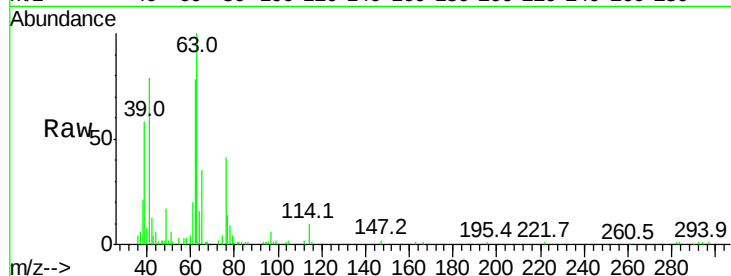
Tgt Ion: 63 Resp: 33126

Ion Ratio Lower Upper

63 100

41 71.7 52.4 78.6

62 73.8 53.6 80.4



#41

Tetrahydrofuran

Concen: 0.122 ppbv

RT: 6.05 min Scan# 1016

Delta R.T. 0.02 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

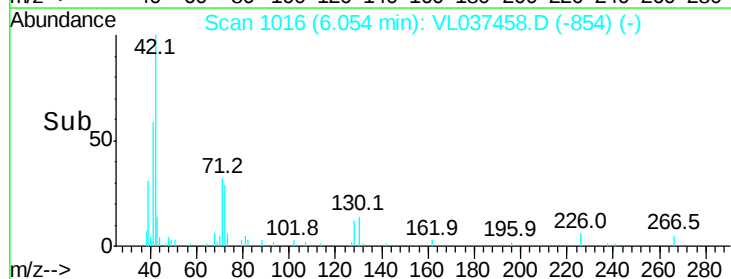
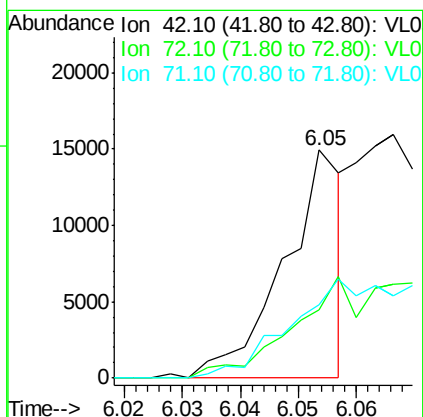
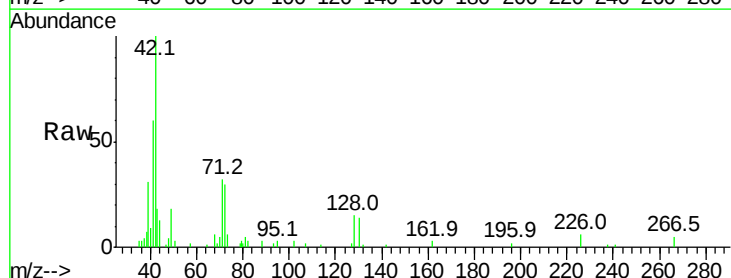
Tgt Ion: 42 Resp: 10435

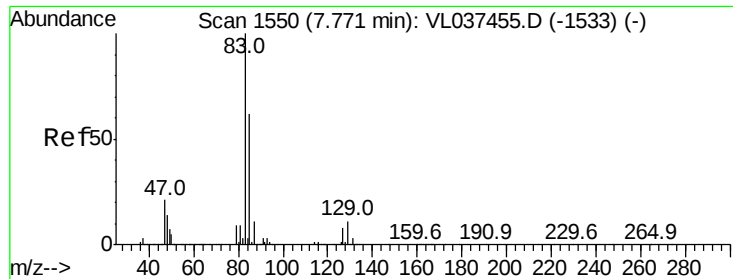
Ion Ratio Lower Upper

42 100

72 180.9 32.2 48.4#

71 171.8 30.5 45.7#





#42

Bromodichloromethane

Concen: 0.238 ppbv

RT: 7.77 min Scan# 1549

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

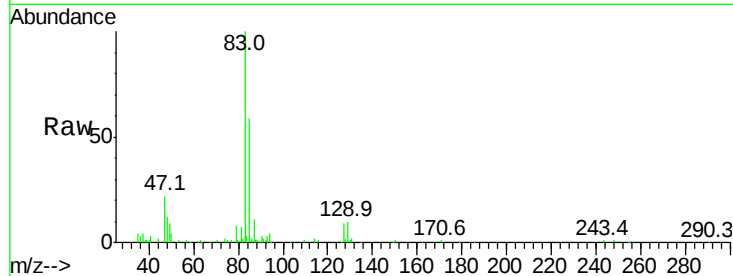
Tgt Ion: 83 Resp: 64851

Ion Ratio Lower Upper

83 100

85 58.1 49.5 74.3

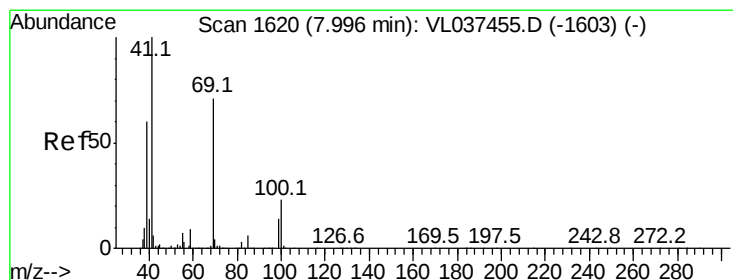
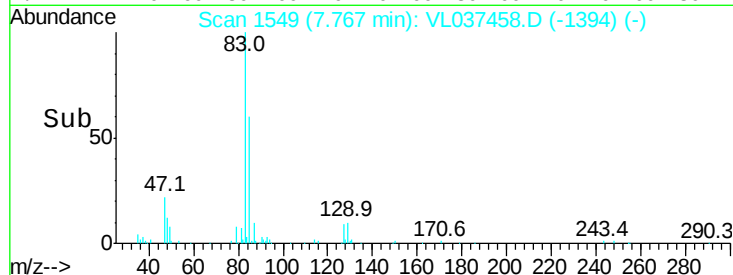
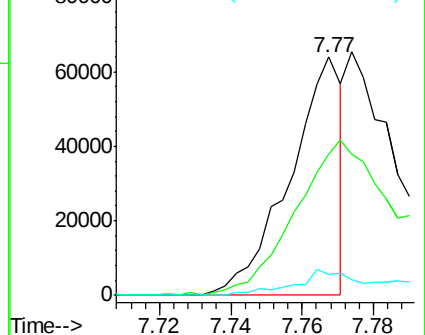
127 9.0 6.3 9.5



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): VL0



#43

Methyl Methacrylate

Concen: 0.384 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. 0.01 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

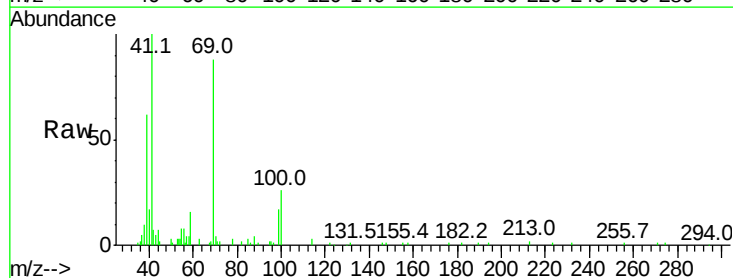
Tgt Ion: 69 Resp: 49582

Ion Ratio Lower Upper

69 100

41 184.9 118.6 178.0#

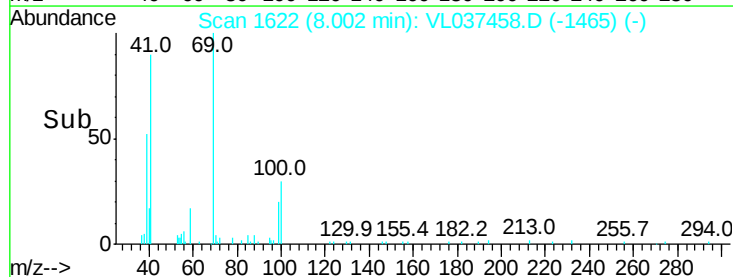
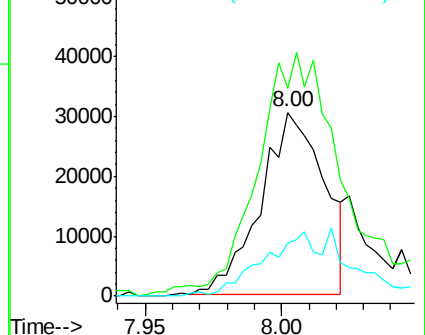
100 0.0 27.4 41.0#

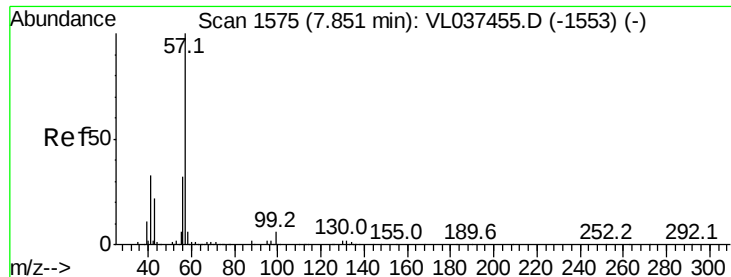


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0





#44

2,2,4-Trimethylpentane

Concen: 0.529 ppbv

RT: 7.85 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

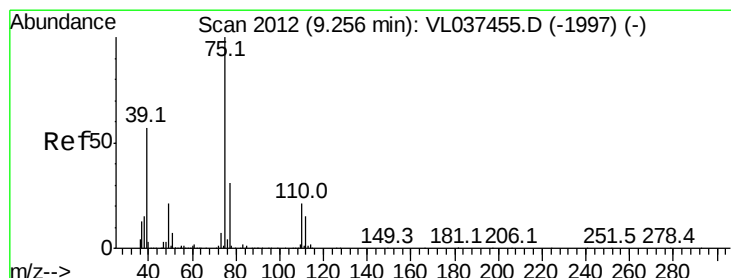
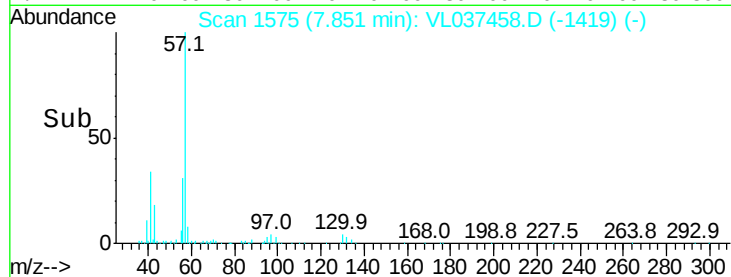
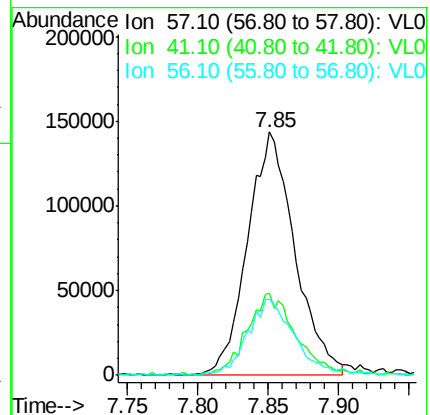
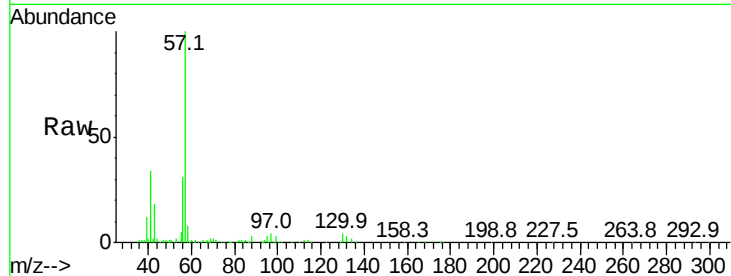
Tgt Ion: 57 Resp: 336922

Ion Ratio Lower Upper

57 100

41 35.0 26.2 39.4

56 31.9 25.4 38.2



#45

t-1,3-Dichloropropene

Concen: 0.179 ppbv

RT: 9.26 min Scan# 2012

Delta R.T. -0.00 min

Lab File: VL037458.D

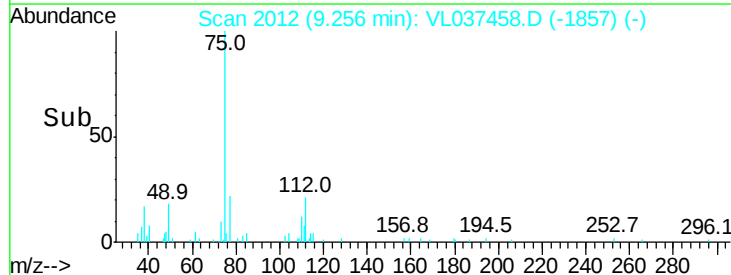
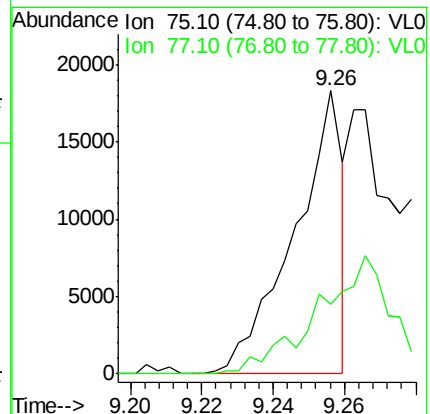
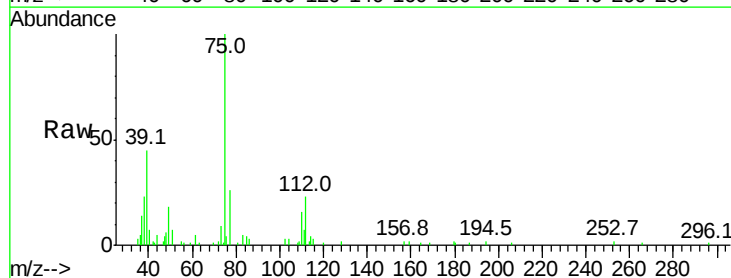
Acq: 16 Aug 2021 12:22

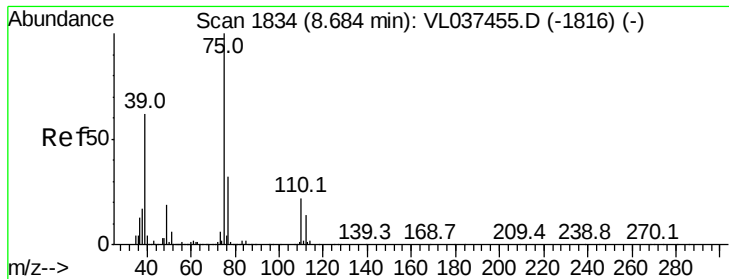
Tgt Ion: 75 Resp: 17190

Ion Ratio Lower Upper

75 100

77 24.6 24.5 36.7





#46

cis-1,3-Dichloropropene

Concen: 0.346 ppbv

RT: 8.69 min Scan# 1835

Delta R.T. 0.00 min

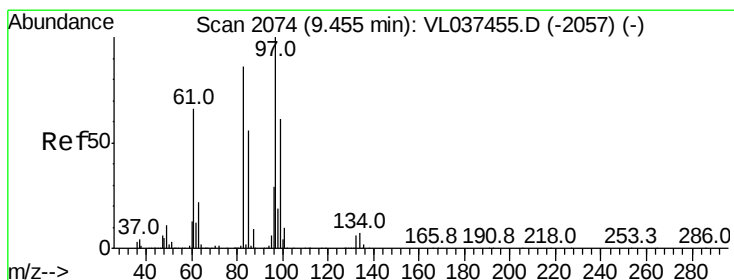
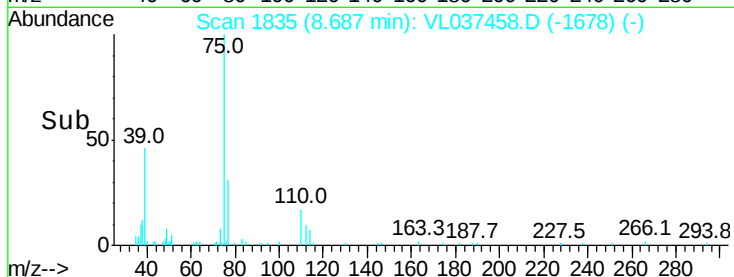
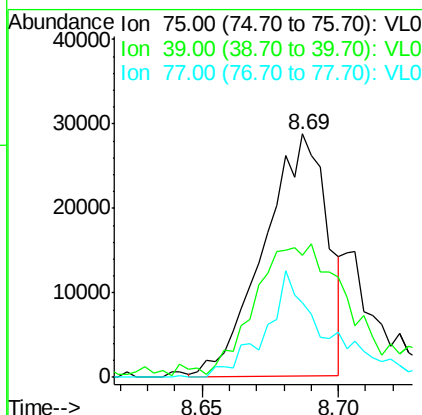
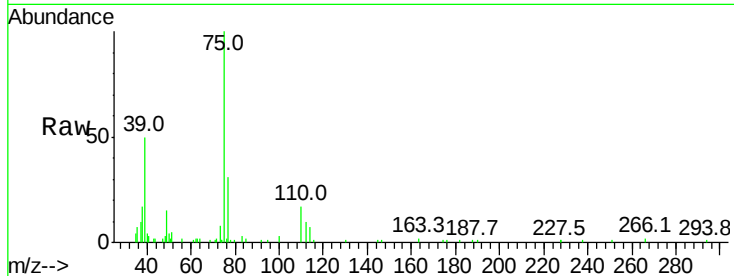
Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 75 Resp: 46386

Ion	Ratio	Lower	Upper
75	100		
39	47.2	49.7	74.5#
77	31.2	25.4	38.0



#47

1,1,2-Trichloroethane

Concen: 0.501 ppbv

RT: 9.46 min Scan# 2074

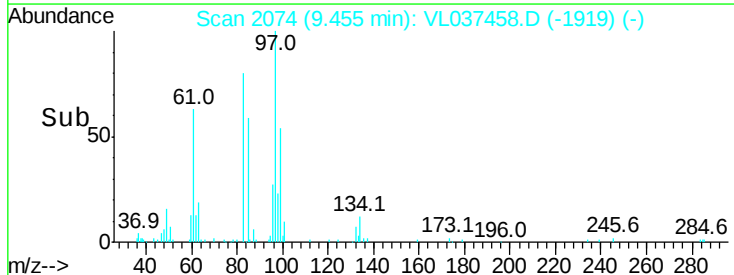
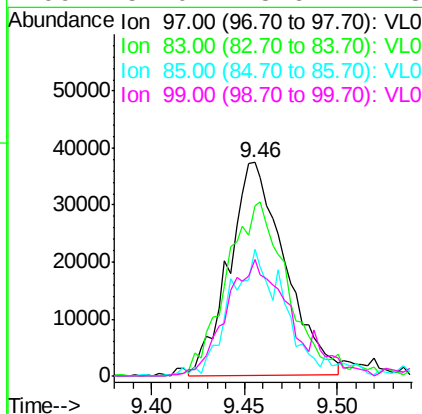
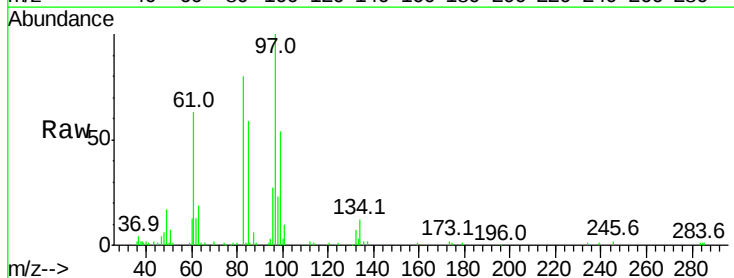
Delta R.T. -0.00 min

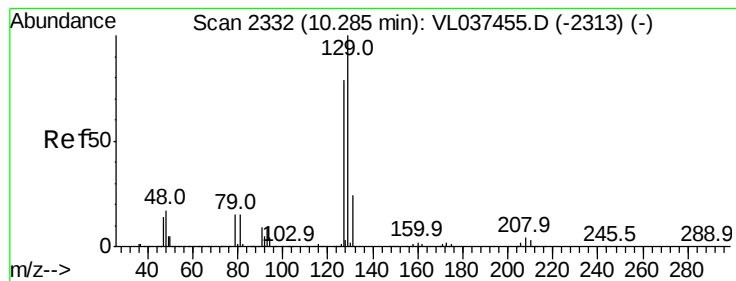
Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion: 97 Resp: 78612

Ion	Ratio	Lower	Upper
97	100		
83	78.8	68.7	103.1
85	58.8	44.7	67.1
99	52.0	48.6	72.8





#48

Dibromochloromethane

Concen: 0.454 ppbv

RT: 10.28 min Scan# 2331

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

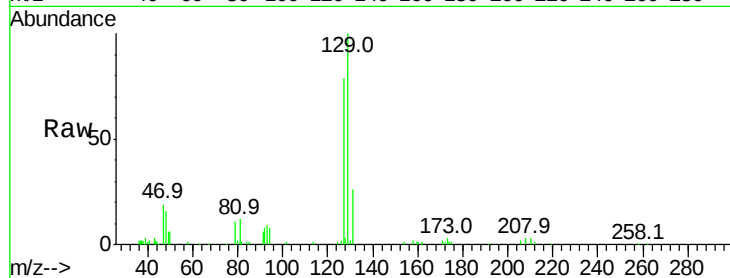
VSTDIC0.5

Tgt Ion:129 Resp: 102787

Ion Ratio Lower Upper

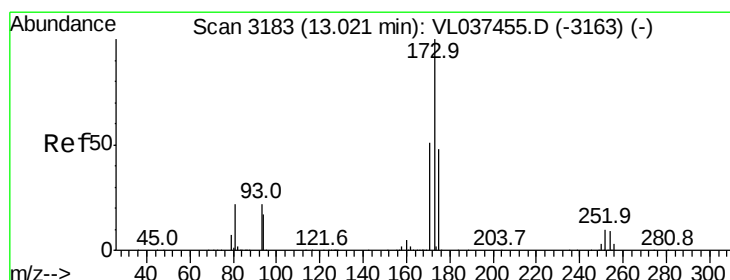
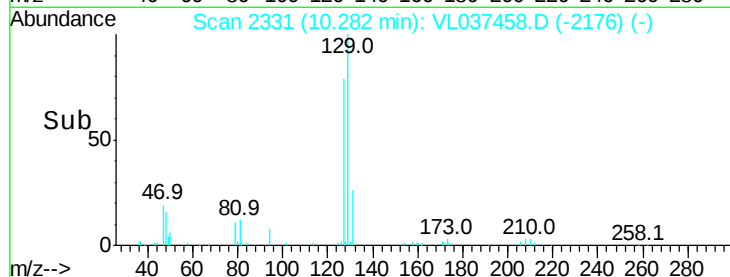
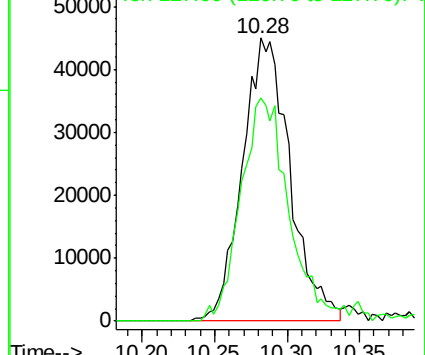
129 100

127 81.9 40.0 120.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.306 ppbv

RT: 13.02 min Scan# 3183

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

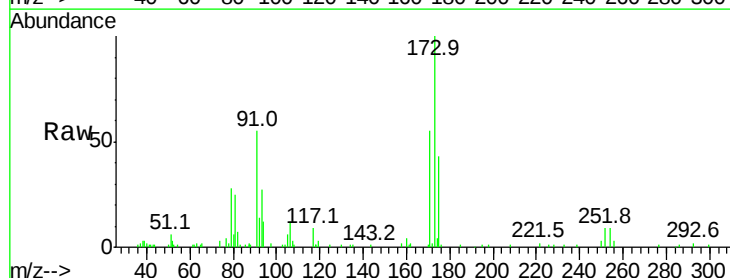
Tgt Ion:173 Resp: 52544

Ion Ratio Lower Upper

173 100

175 70.8 41.9 62.9#

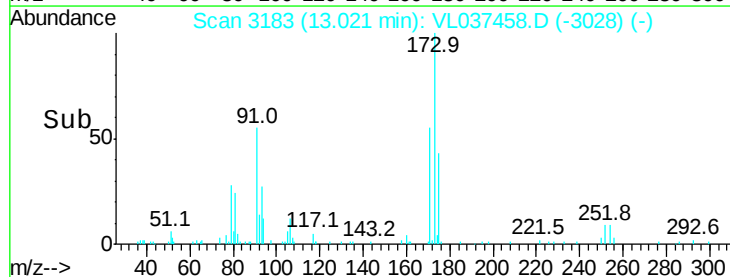
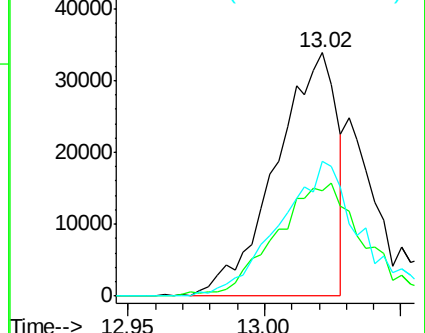
171 76.5 44.2 66.4#

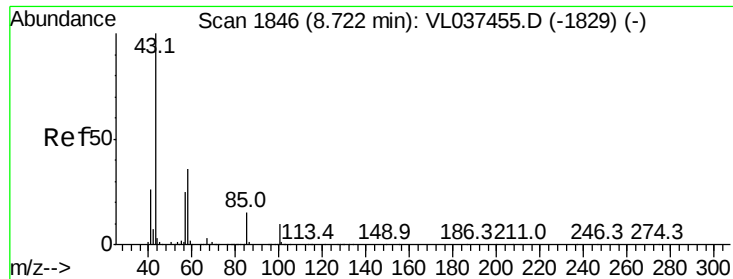


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

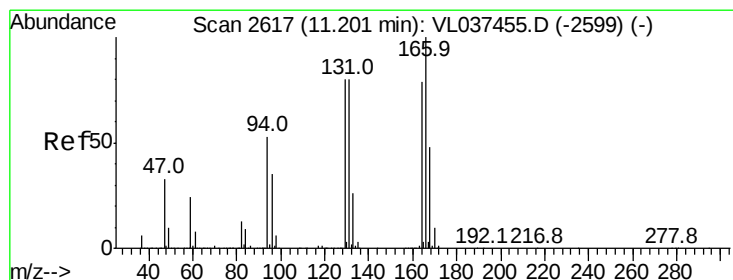
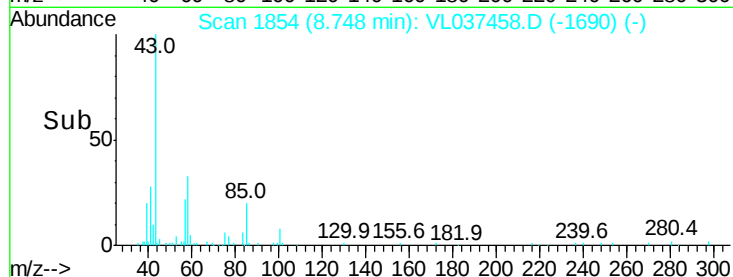
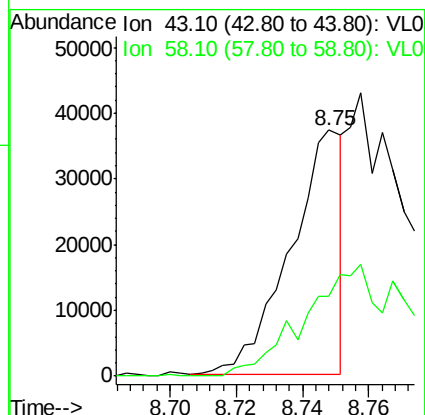
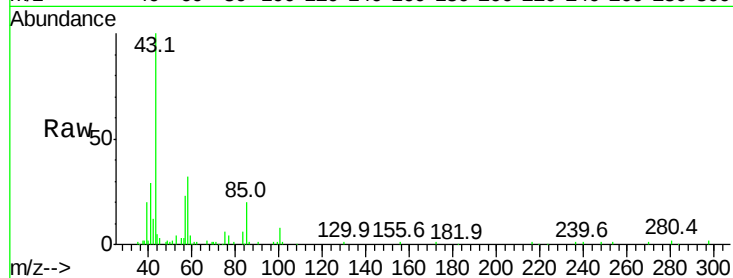




#50
4-Methyl-2-Pentanone
Concen: 0.174 ppbv
RT: 8.75 min Scan# 1854
Delta R.T. 0.03 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

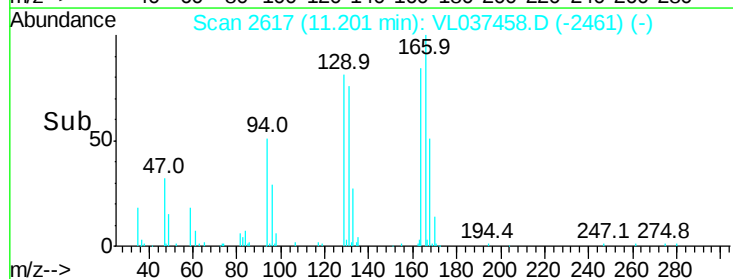
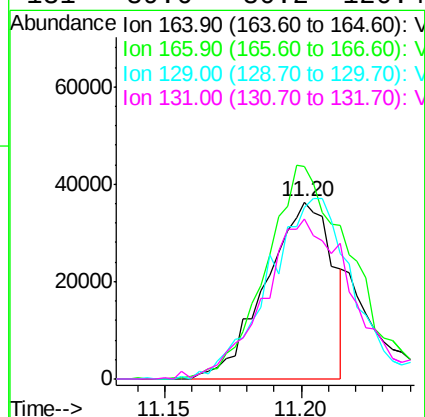
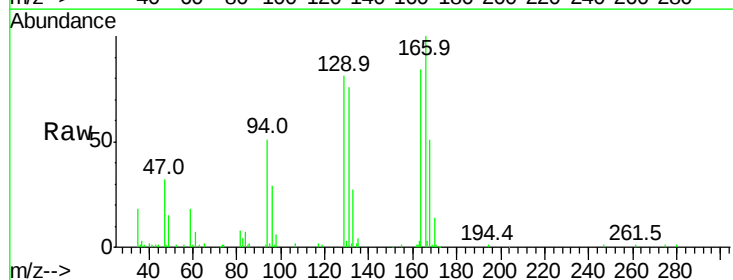
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

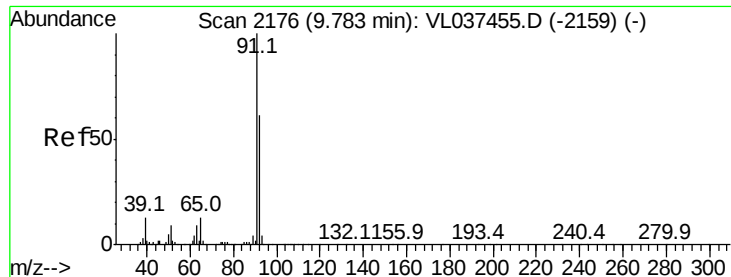
Tgt Ion: 43 Resp: 40726
Ion Ratio Lower Upper
43 100
58 0.0 29.9 44.9#



#52
Tetrachloroethene
Concen: 0.382 ppbv
RT: 11.20 min Scan# 2617
Delta R.T. -0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion: 164 Resp: 61321
Ion Ratio Lower Upper
164 100
166 118.0 100.7 151.1
129 96.5 80.9 121.3
131 89.6 80.2 120.4





#53

Toluene

Concen: 0.462 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

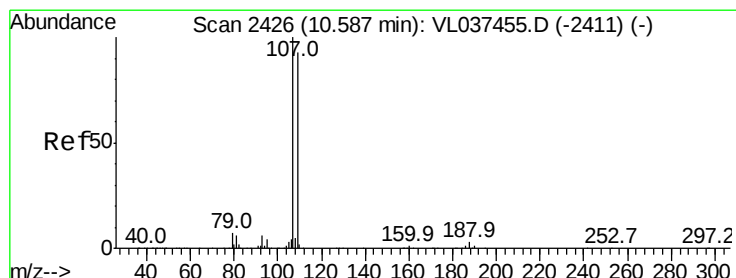
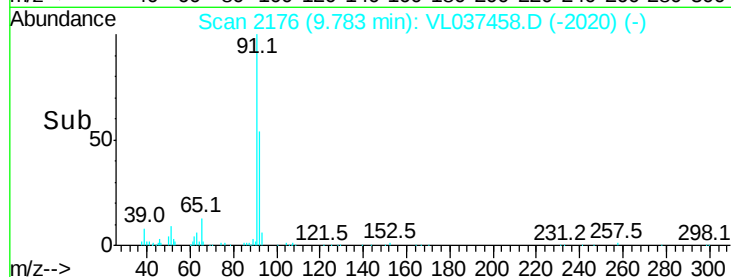
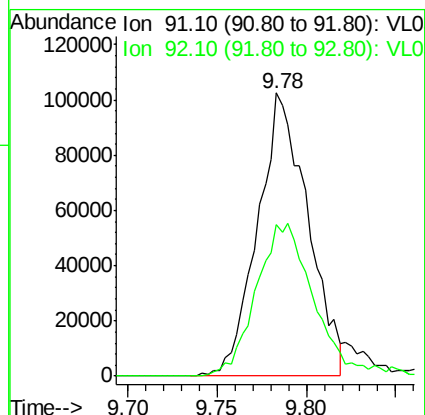
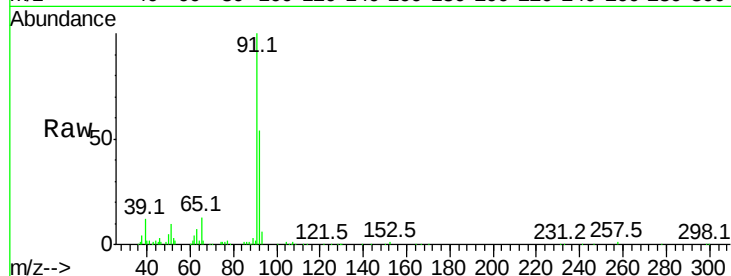
VSTDIC0.5

Tgt Ion: 91 Resp: 201027

Ion Ratio Lower Upper

91 100

92 62.9 48.8 73.2



#54

1,2-Dibromoethane

Concen: 0.498 ppbv

RT: 10.59 min Scan# 2426

Delta R.T. -0.00 min

Lab File: VL037458.D

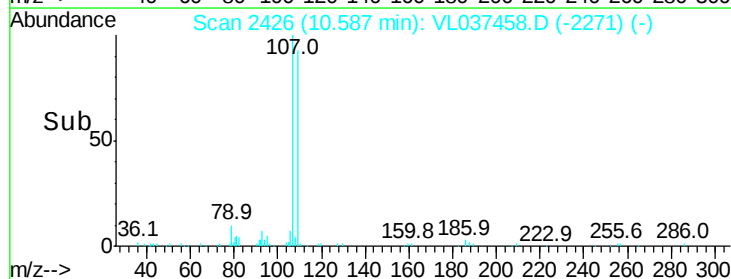
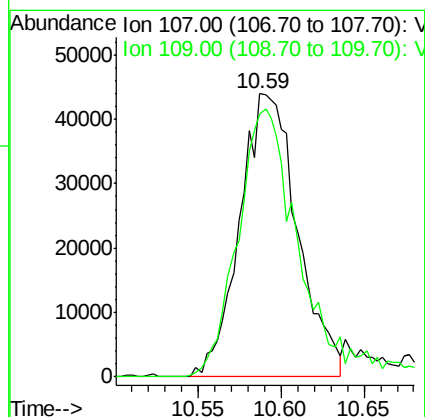
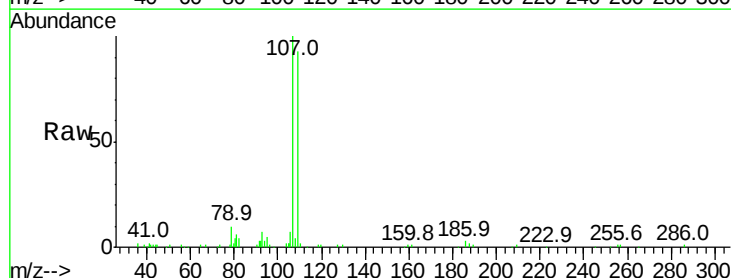
Acq: 16 Aug 2021 12:22

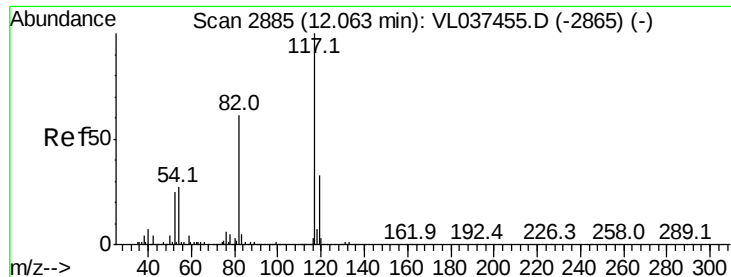
Tgt Ion: 107 Resp: 106388

Ion Ratio Lower Upper

107 100

109 92.2 74.2 111.4





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

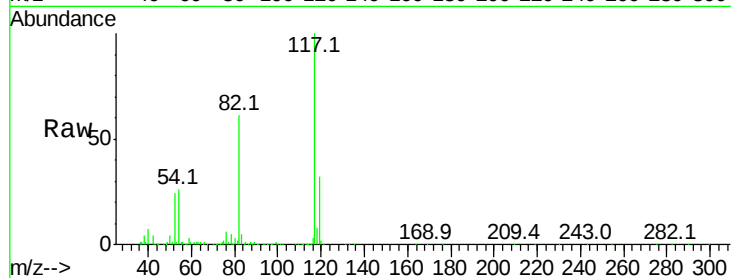
Tgt Ion:117 Resp: 3954892

Ion Ratio Lower Upper

117 100

82 64.8 52.9 79.3

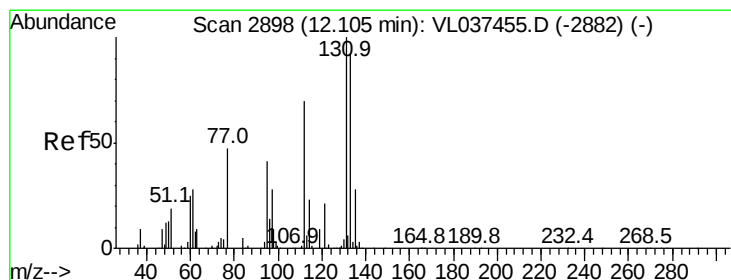
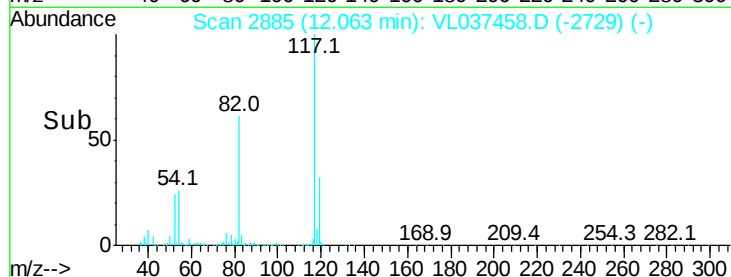
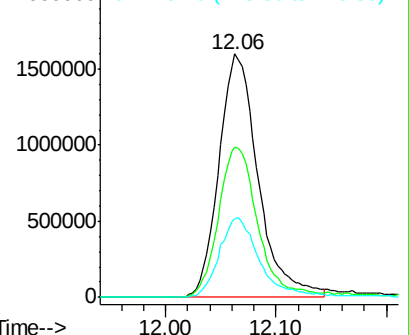
119 34.2 24.8 37.2



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 0.085 ppbv

RT: 12.10 min Scan# 2898

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

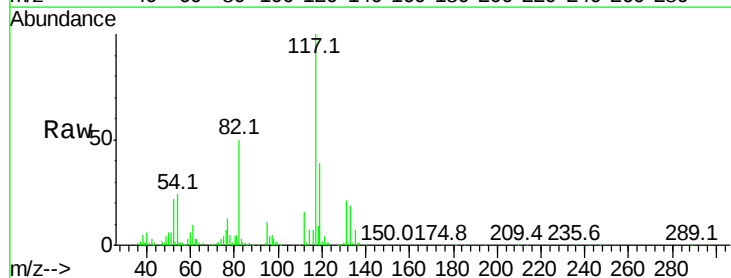
Tgt Ion:131 Resp: 13400

Ion Ratio Lower Upper

131 100

133 0.0 78.7 118.1#

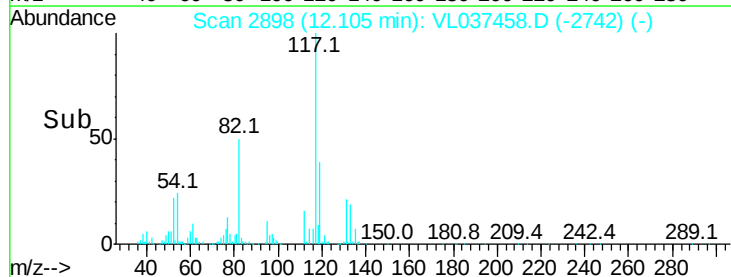
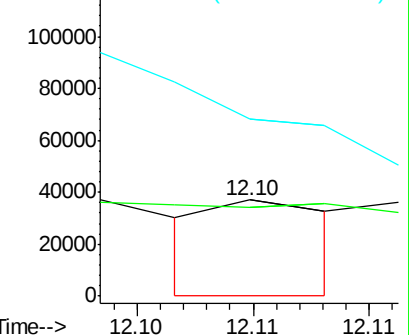
119 0.0 56.6 85.0#

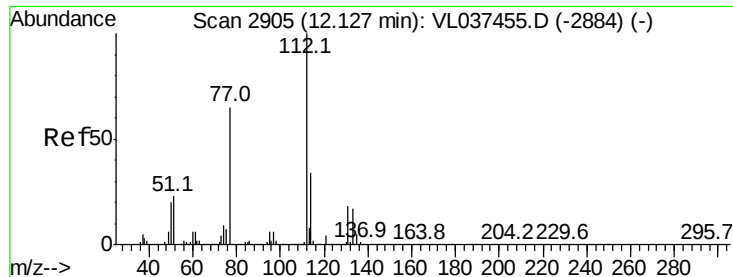


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V





#57

Chlorobenzene

Concen: 0.270 ppbv

RT: 12.13 min Scan# 2905

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

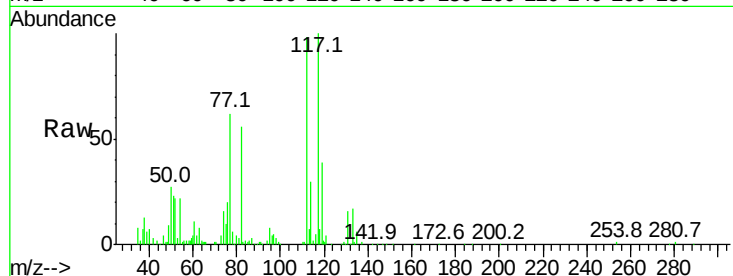
Tgt Ion: 112 Resp: 86646

Ion Ratio Lower Upper

112 100

77 61.4 51.6 77.4

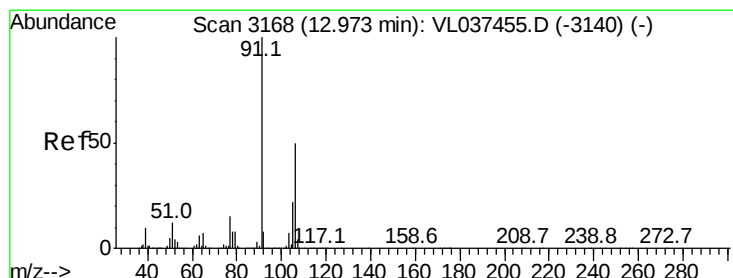
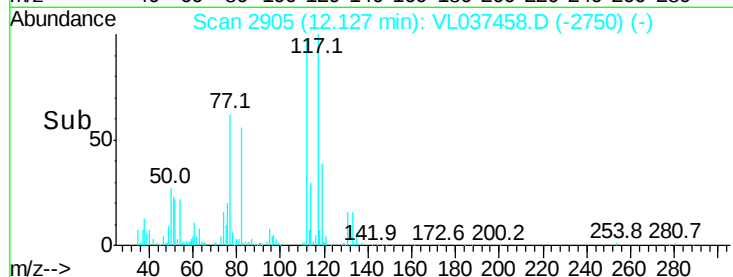
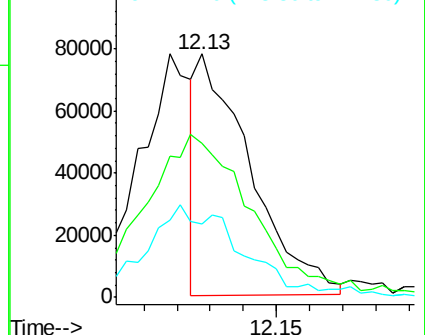
114 28.3 30.7 37.5#



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



#59

m/p-Xylene

Concen: 0.259 ppbv

RT: 12.97 min Scan# 3168

Delta R.T. -0.00 min

Lab File: VL037458.D

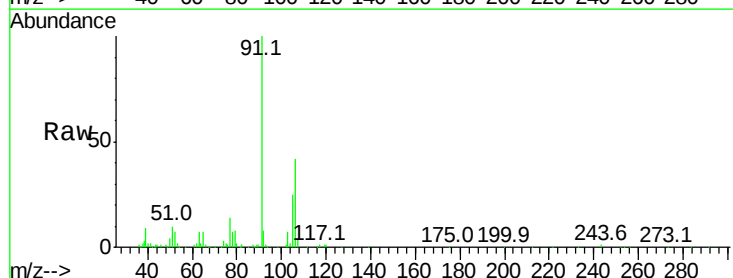
Acq: 16 Aug 2021 12:22

Tgt Ion: 91 Resp: 122066

Ion Ratio Lower Upper

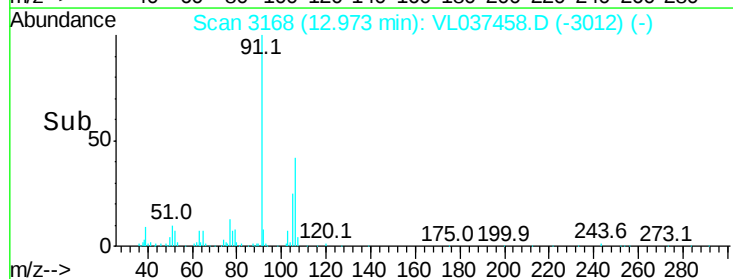
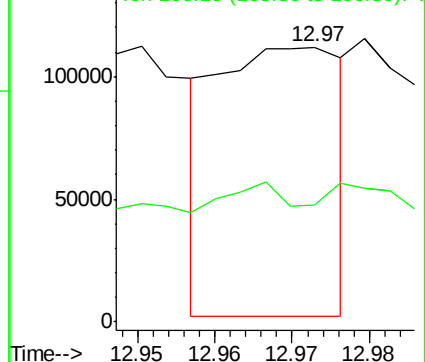
91 100

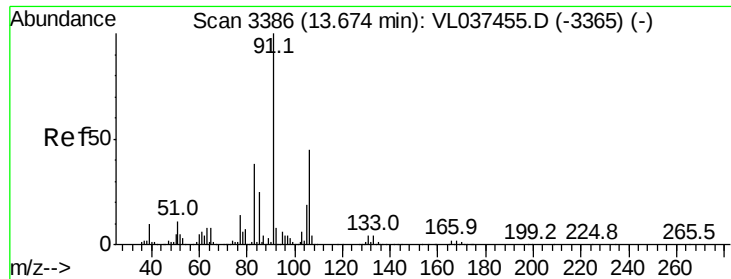
106 174.1 36.9 55.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

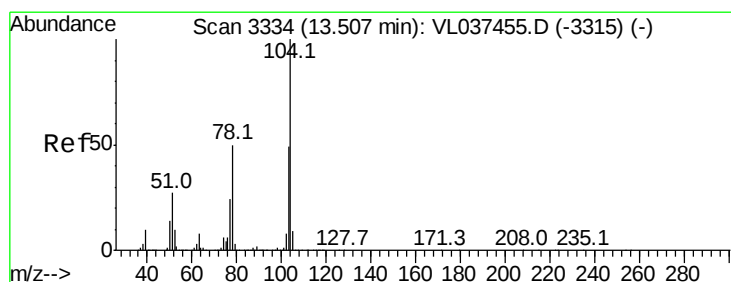
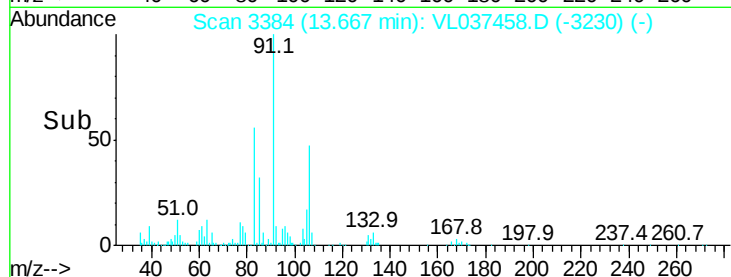
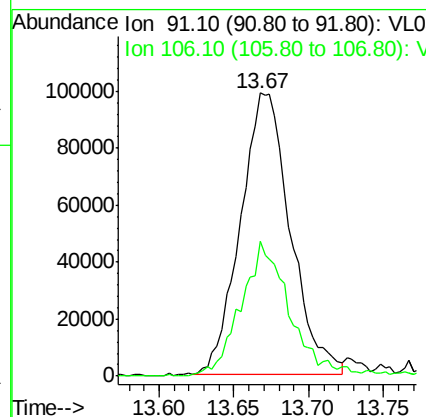
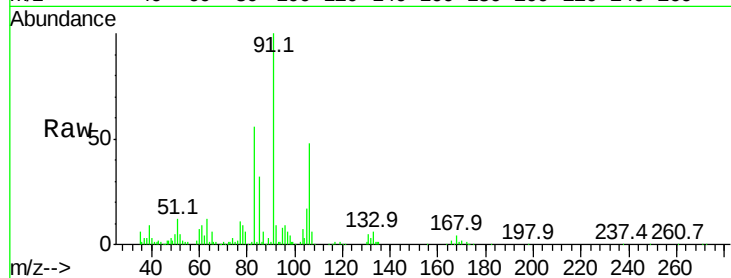




#60
o-Xylene
Concen: 0.525 ppbv
RT: 13.67 min Scan# 3384
Delta R.T. -0.01 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

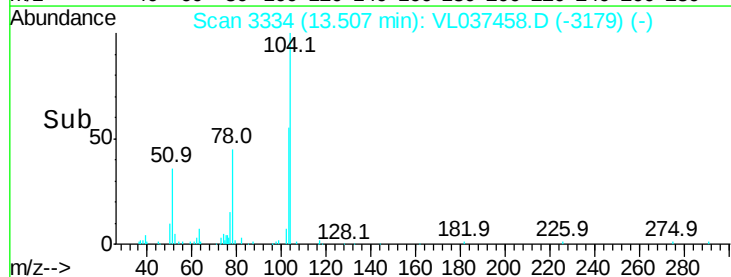
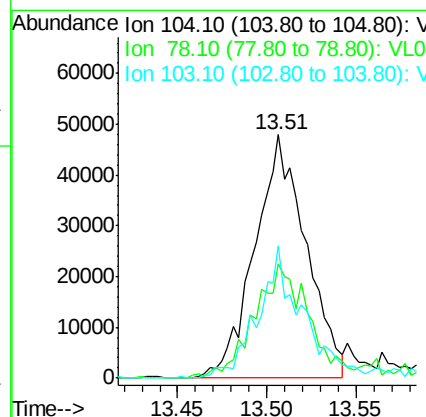
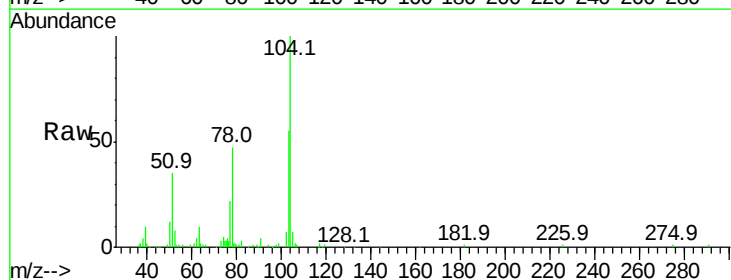
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

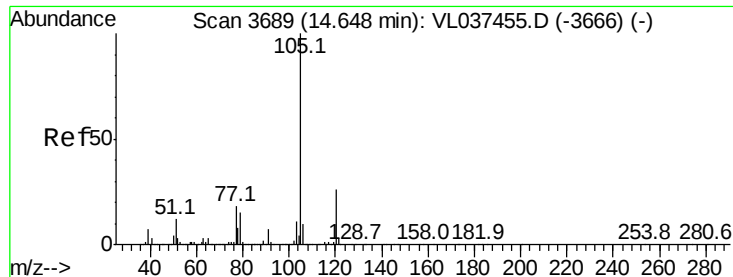
Tgt Ion: 91 Resp: 229712
Ion Ratio Lower Upper
91 100
106 47.5 23.7 71.1



#61
Styrene
Concen: 0.435 ppbv
RT: 13.51 min Scan# 3334
Delta R.T. -0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion: 104 Resp: 96201
Ion Ratio Lower Upper
104 100
78 51.7 41.3 61.9
103 46.6 39.4 59.0





#62

Isopropylbenzene

Concen: 0.527 ppbv

RT: 14.64 min Scan# 3687

Delta R.T. -0.01 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

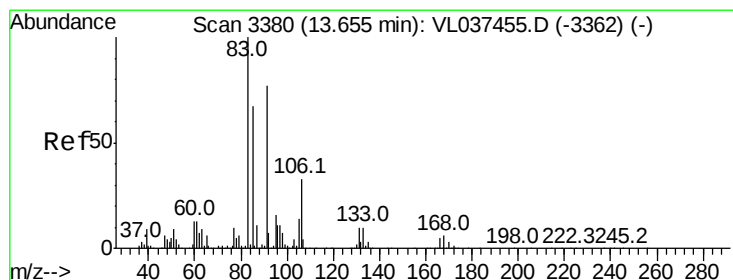
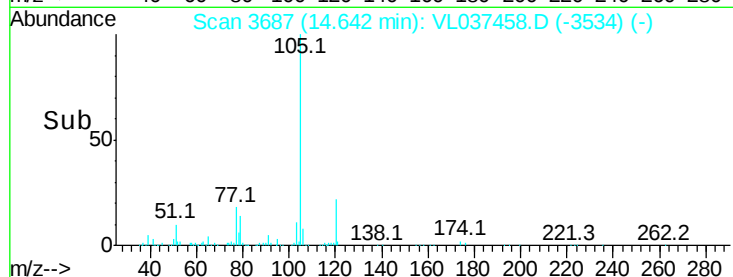
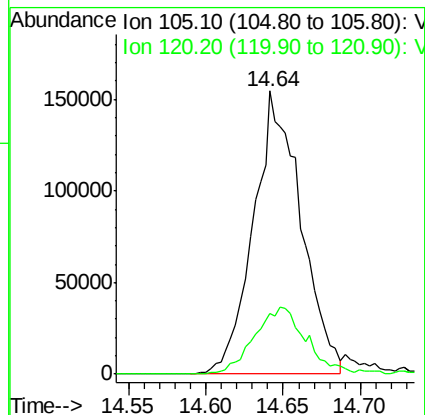
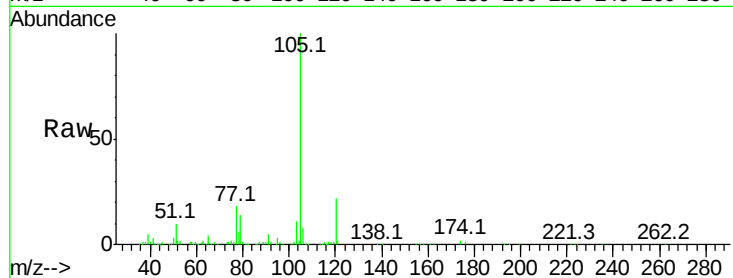
VSTDIC0.5

Tgt Ion:105 Resp: 329768

Ion Ratio Lower Upper

105 100

120 26.3 21.5 32.3



#63

1,1,2,2-Tetrachloroethane

Concen: 0.490 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. 0.01 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

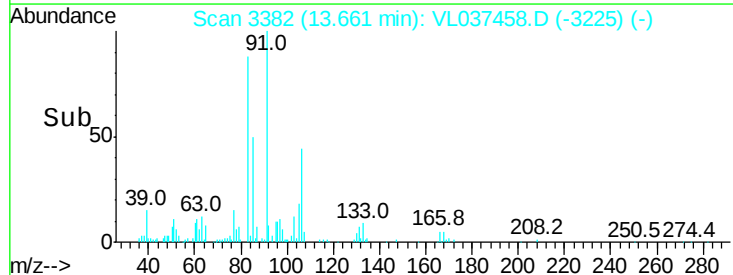
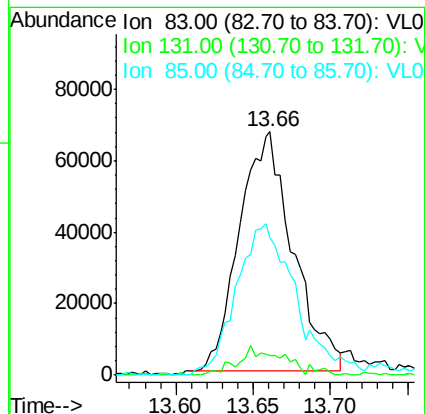
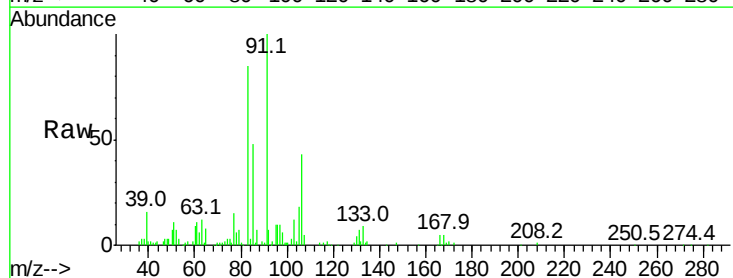
Tgt Ion: 83 Resp: 161727

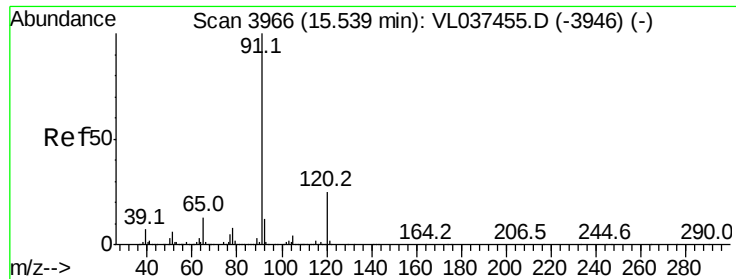
Ion Ratio Lower Upper

83 100

131 10.5 5.0 15.0

85 72.4 33.8 101.3





#64

n-propylbenzene

Concen: 0.507 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

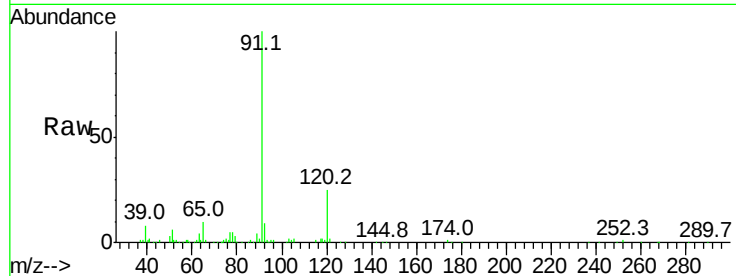
VSTDIC0.5

Tgt Ion:120 Resp: 79881

Ion Ratio Lower Upper

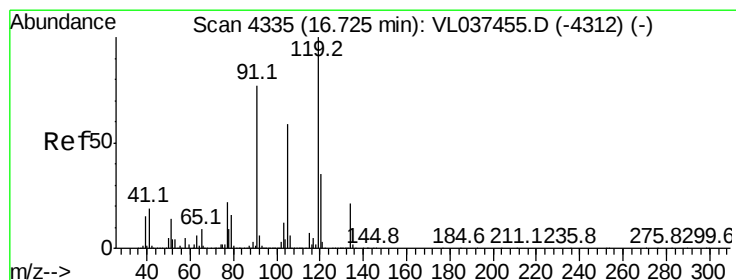
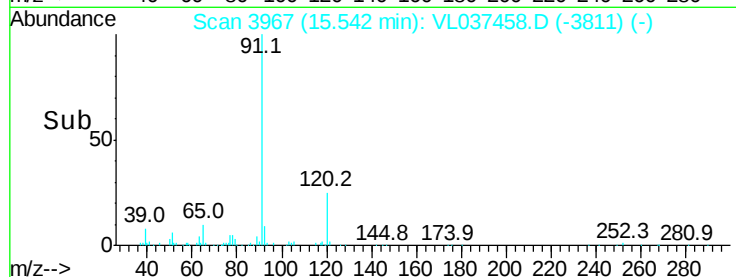
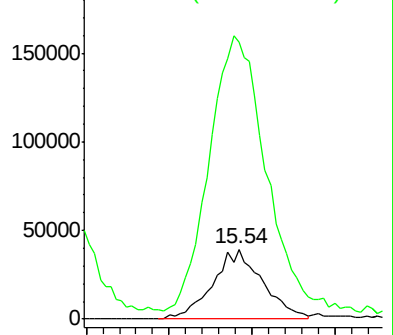
120 100

91 516.0 373.8 560.6



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.506 ppbv

RT: 16.73 min Scan# 4336

Delta R.T. 0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

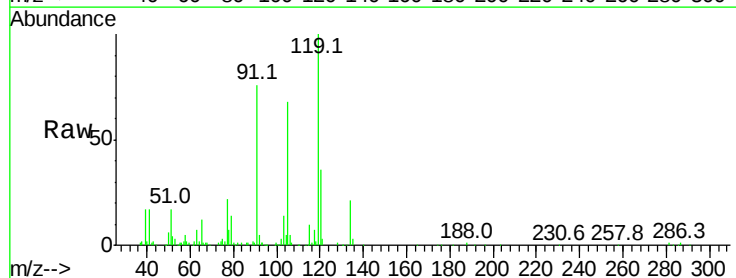
Tgt Ion:119 Resp: 285574

Ion Ratio Lower Upper

119 100

91 88.0 62.9 94.3

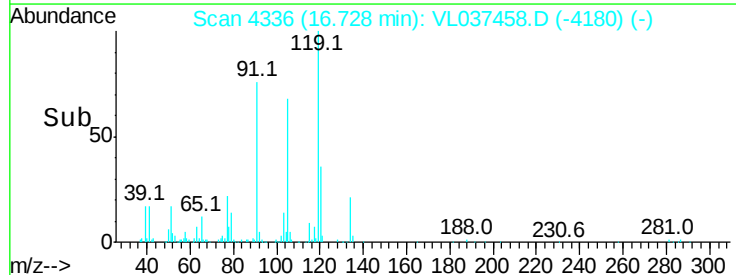
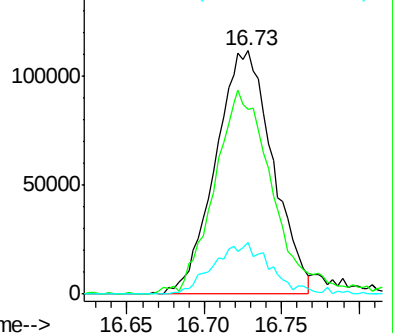
134 21.1 16.4 24.6

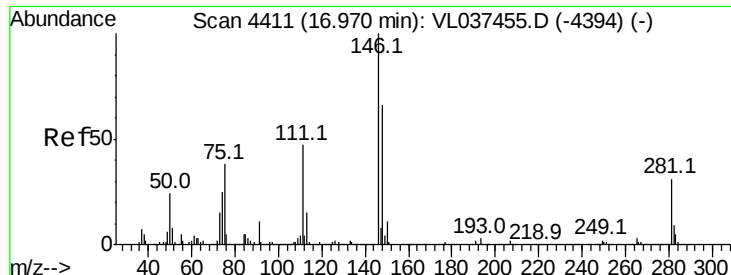


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

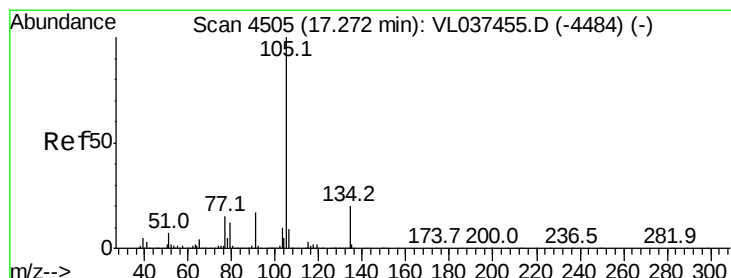
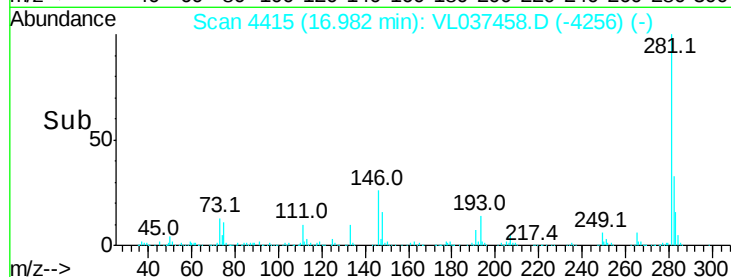
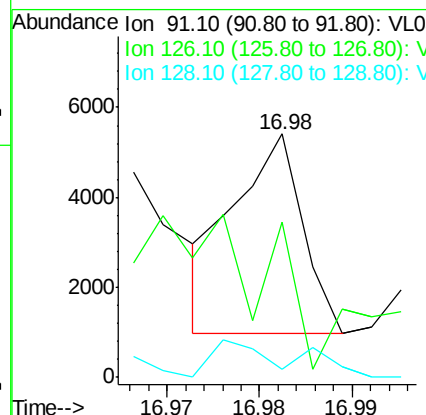
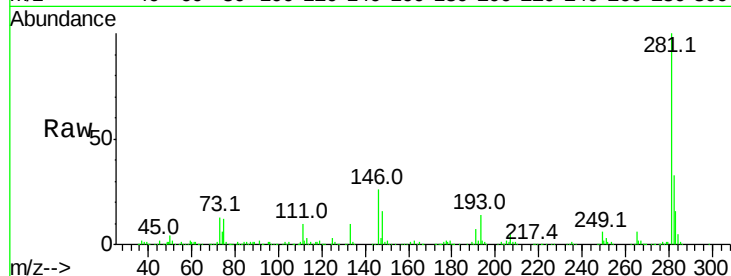




#66
Benzyl Chloride
Concen: 0.088 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. 0.01 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

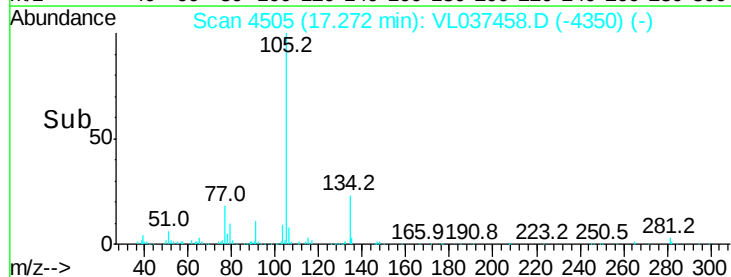
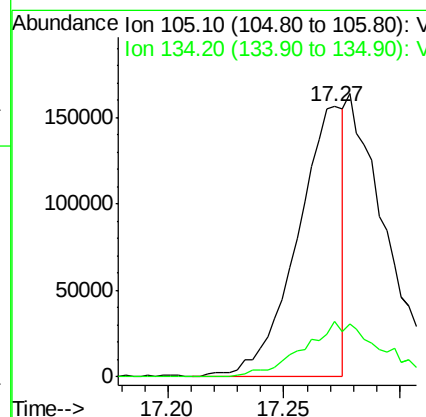
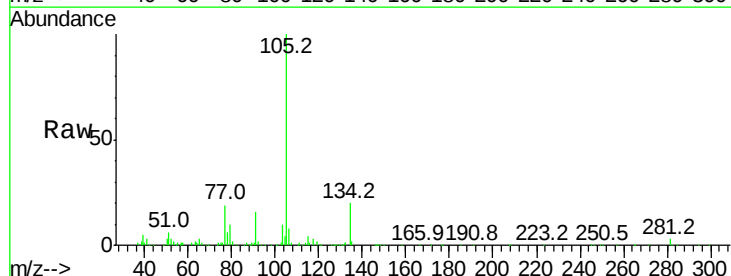
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

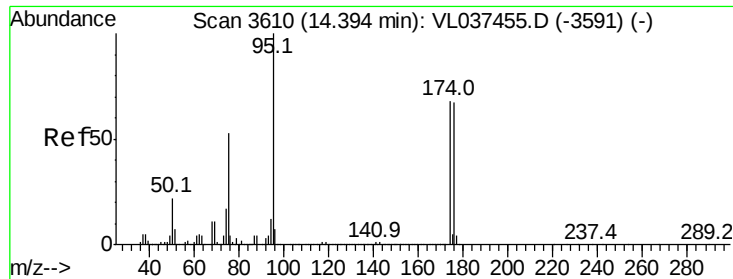
Tgt Ion: 91 Resp: 2274
Ion Ratio Lower Upper
91 100
126 247.3 15.9 23.9#
128 51.7 5.4 8.0#



#67
sec-Butylbenzene
Concen: 0.281 ppbv
RT: 17.27 min Scan# 4505
Delta R.T. -0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion: 105 Resp: 215511
Ion Ratio Lower Upper
105 100
134 36.4 15.2 22.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.178 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.00 min

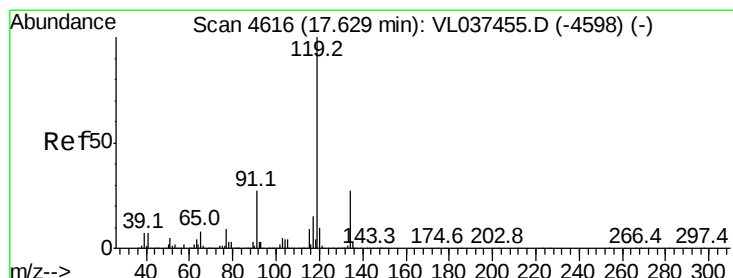
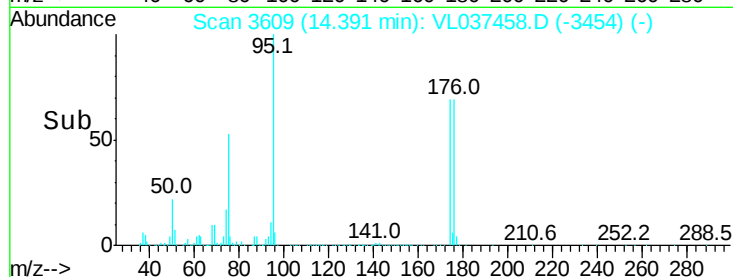
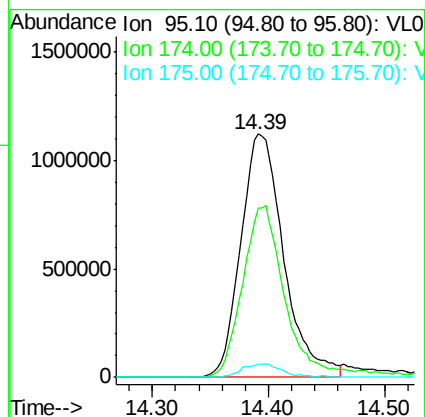
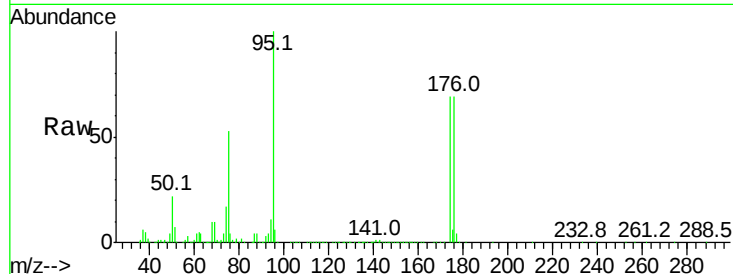
Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 95 Resp: 2887432

Ion	Ratio	Lower	Upper
95	100		
174	73.1	59.6	89.4
175	5.5	4.6	7.0



#69

p-Isopropyltoluene

Concen: 0.485 ppbv

RT: 17.63 min Scan# 4617

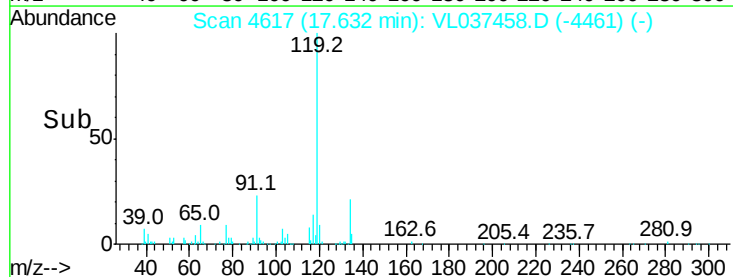
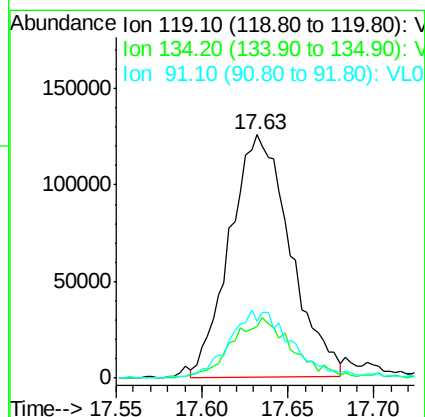
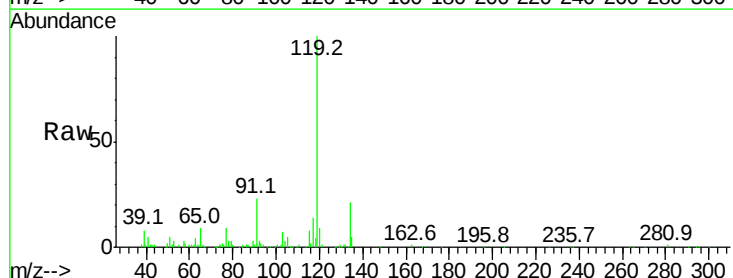
Delta R.T. 0.00 min

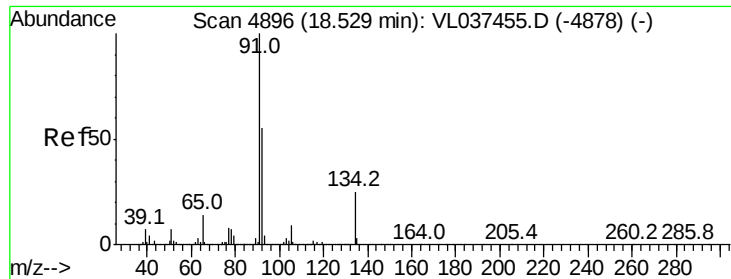
Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Tgt Ion: 119 Resp: 305866

Ion	Ratio	Lower	Upper
119	100		
134	25.9	21.1	31.7
91	29.6	22.4	33.6

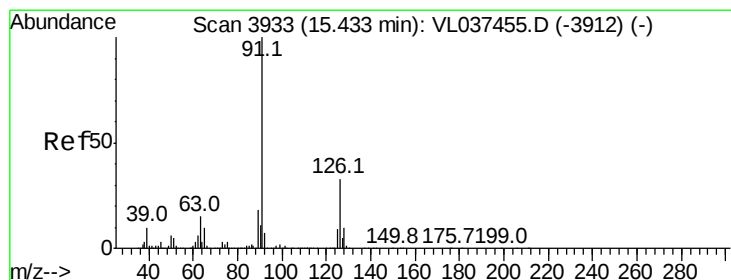
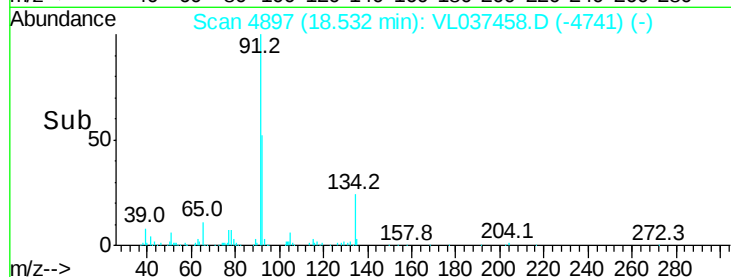
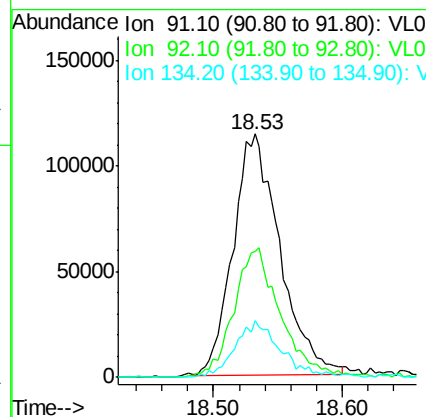
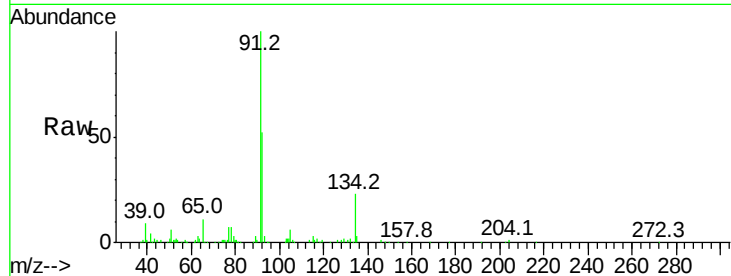




#70
n-Butylbenzene
Concen: 0.491 ppbv
RT: 18.53 min Scan# 4897
Delta R.T. 0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

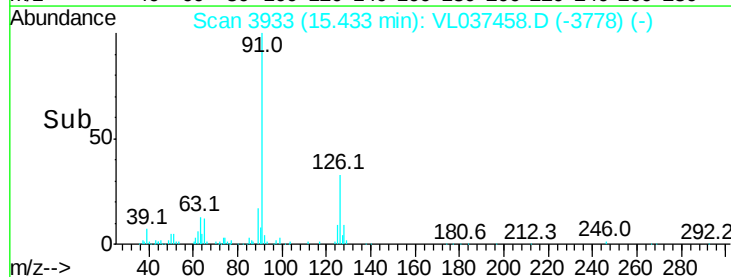
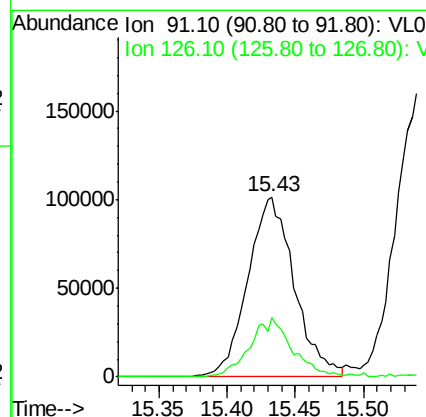
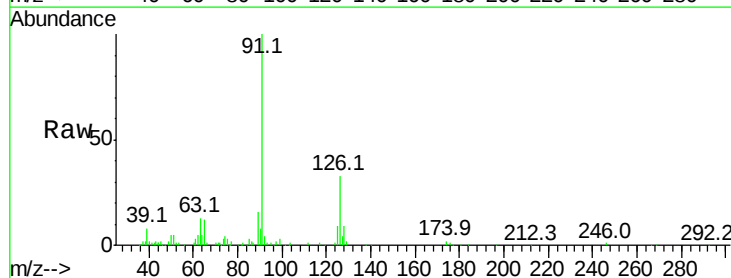
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

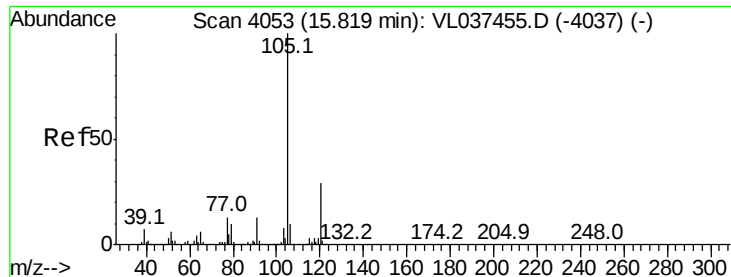
Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.7	44.0	66.0
134	23.1	19.5	29.3



#71
2-Chlorotoluene
Concen: 0.543 ppbv
RT: 15.43 min Scan# 3933
Delta R.T. -0.00 min
Lab File: VL037458.D
Acq: 16 Aug 2021 12:22

Tgt Ion	Ratio	Lower	Upper
91	100		
126	30.6	13.6	54.4





#72

4-Ethyltoluene

Concen: 0.314 ppbv

RT: 15.82 min Scan# 4053

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 159406

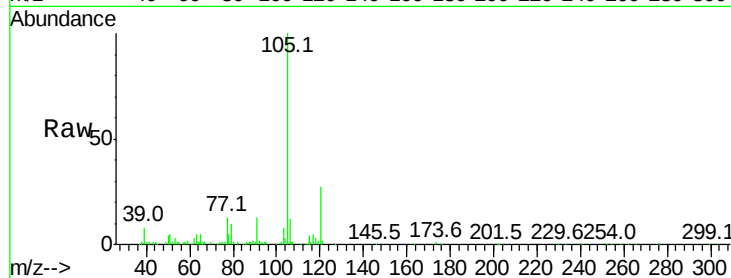
Ion Ratio Lower Upper

105 100

120 48.6 24.7 37.1#

91 21.6 9.8 14.8#

77 21.9 10.6 15.8#

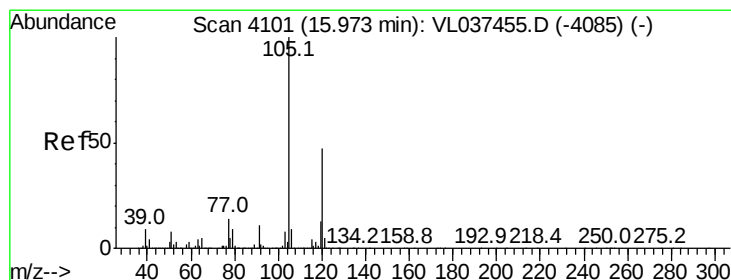
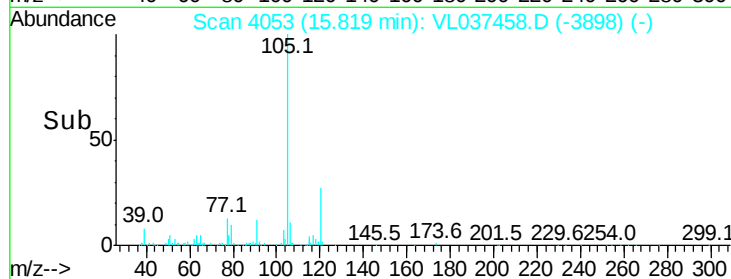
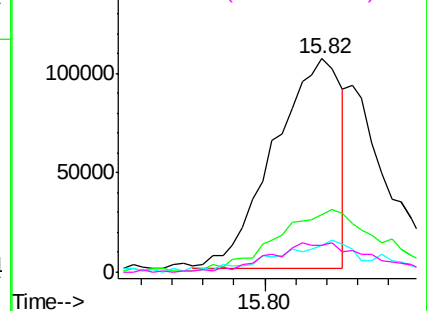


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#73

1,3,5-Trimethylbenzene

Concen: 0.459 ppbv

RT: 15.98 min Scan# 4102

Delta R.T. 0.00 min

Lab File: VL037458.D

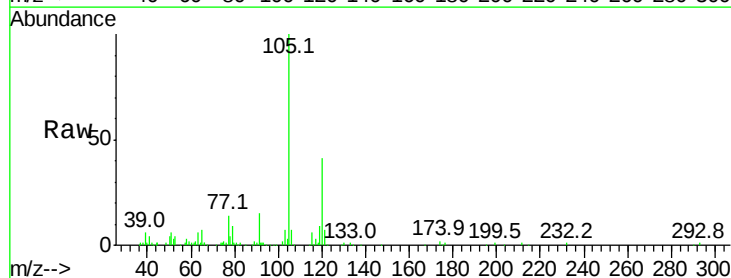
Acq: 16 Aug 2021 12:22

Tgt Ion:105 Resp: 220668

Ion Ratio Lower Upper

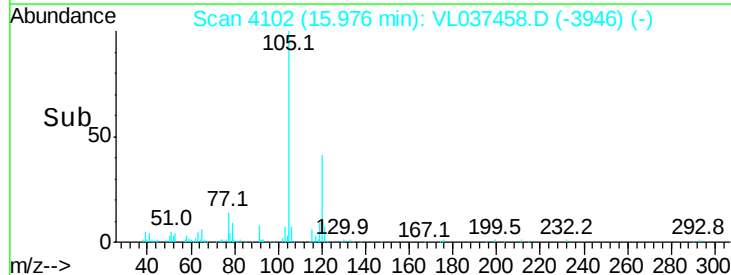
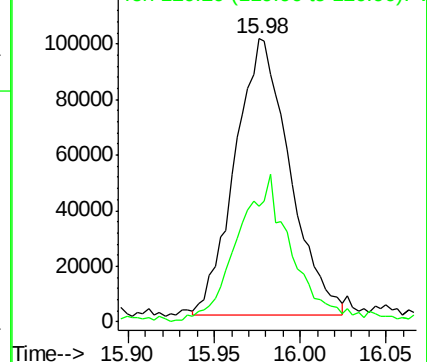
105 100

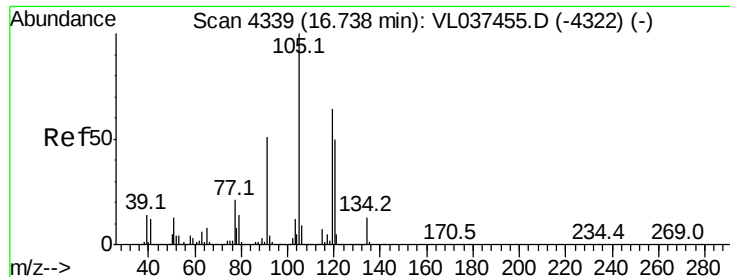
120 40.5 37.6 56.4



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: 0.319 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:105 Resp: 156999

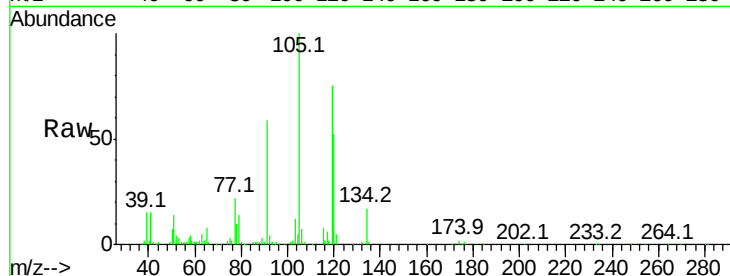
Ion Ratio Lower Upper

105 100

120 51.5 40.4 60.6

91 57.3 44.6 67.0

77 21.1 17.8 26.6

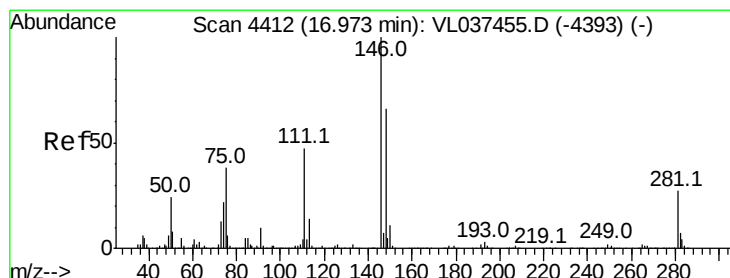
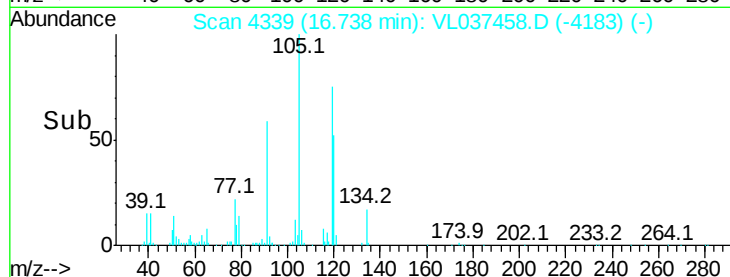
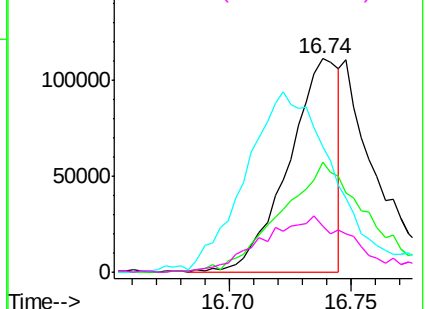


Abundance Ion 105.10 (104.80 to 105.80): V

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



#75

1,3-Dichlorobenzene

Concen: 0.333 ppbv

RT: 16.97 min Scan# 4412

Delta R.T. -0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

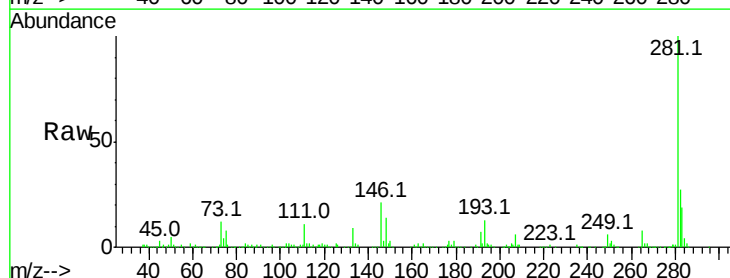
Tgt Ion:146 Resp: 100295

Ion Ratio Lower Upper

146 100

111 77.8 23.4 70.0#

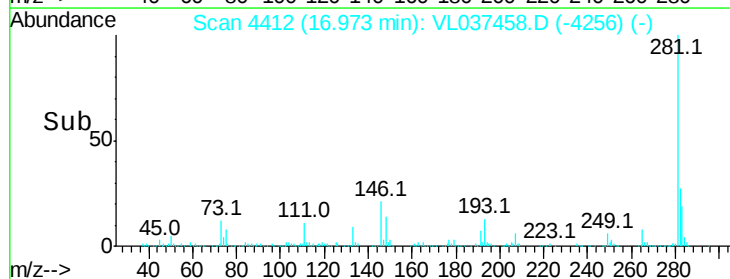
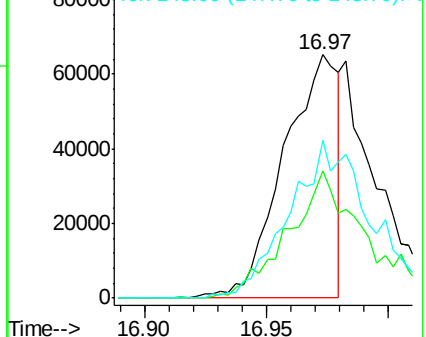
148 105.0 33.1 99.5#

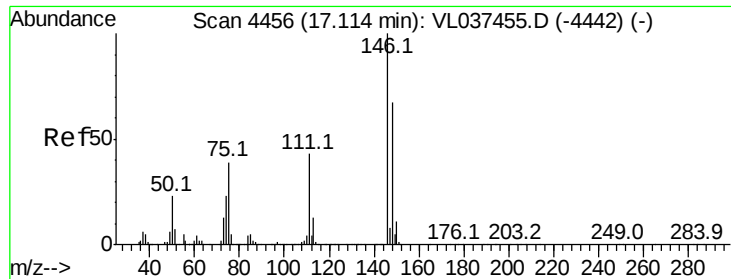


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

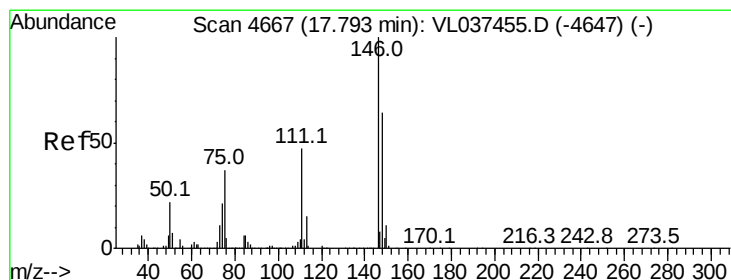
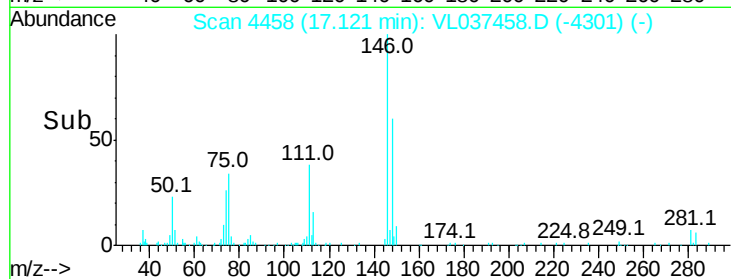
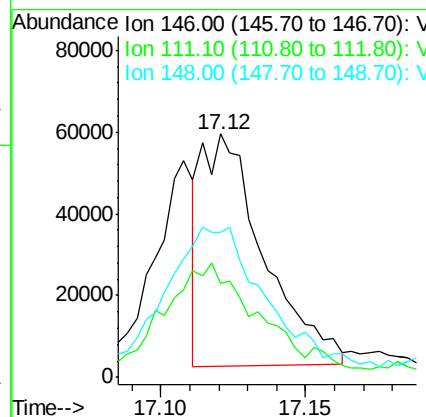
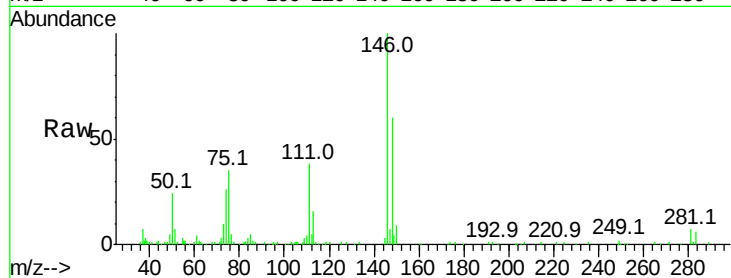




#76
 1,4-Dichlorobenzene
 Concen: 0.282 ppbv
 RT: 17.12 min Scan# 4458
 Delta R.T. 0.01 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

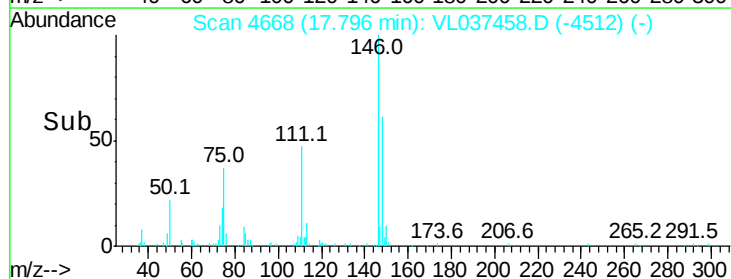
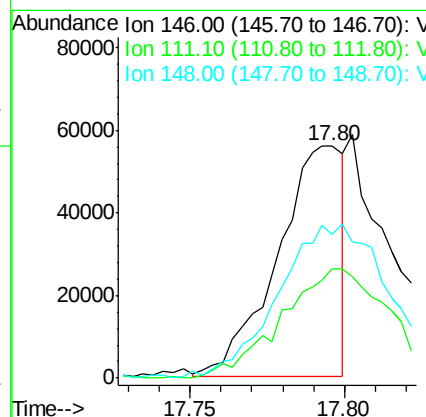
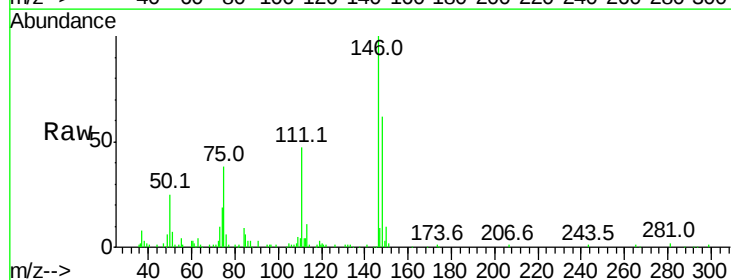
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

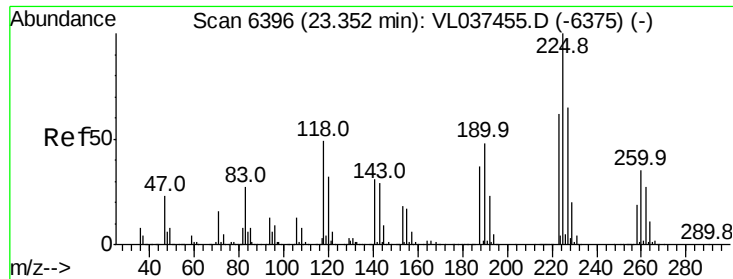
Tgt Ion:146 Resp: 84195
 Ion Ratio Lower Upper
 146 100
 111 88.0 22.1 66.5#
 148 125.4 32.4 97.0#



#77
 1,2-Dichlorobenzene
 Concen: 0.284 ppbv
 RT: 17.80 min Scan# 4668
 Delta R.T. 0.00 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Tgt Ion:146 Resp: 82341
 Ion Ratio Lower Upper
 146 100
 111 0.0 23.4 70.3#
 148 0.0 32.5 97.5#





#78

Hexachloro-1,3-Butadiene

Concen: 0.551 ppbv

RT: 23.36 min Scan# 6397

Delta R.T. 0.00 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

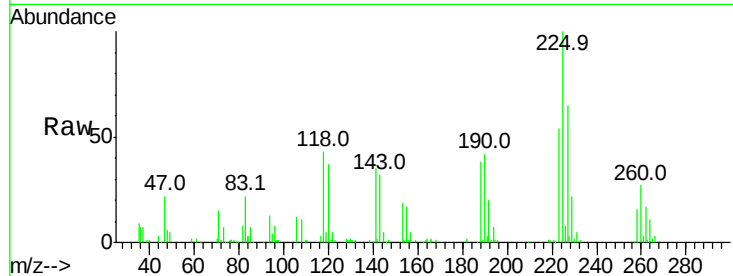
Tgt Ion:225 Resp: 129388

Ion Ratio Lower Upper

225 100

223 72.8 51.4 77.0

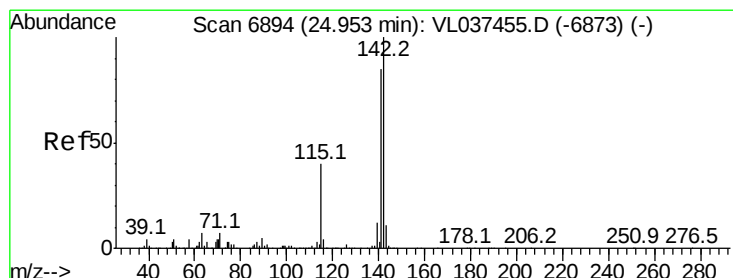
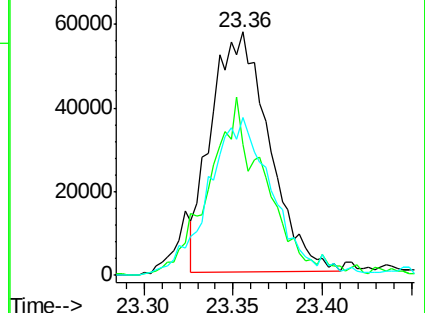
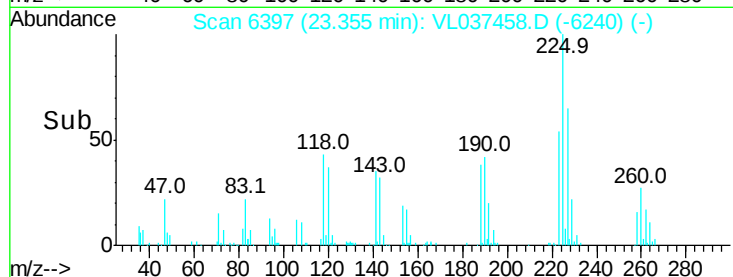
227 74.3 52.9 79.3



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



#80

Naphthalene, 2-methyl-

Concen: 0.152 ppbv

RT: 24.97 min Scan# 6900

Delta R.T. 0.02 min

Lab File: VL037458.D

Acq: 16 Aug 2021 12:22

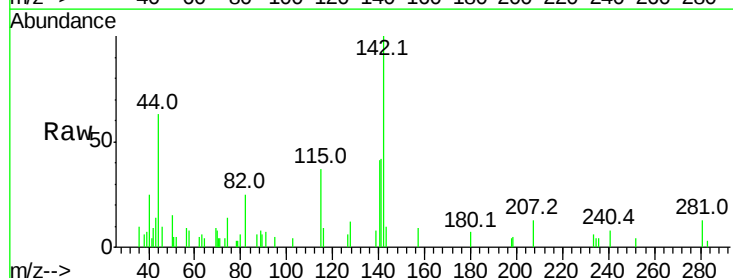
Tgt Ion:142 Resp: 8602

Ion Ratio Lower Upper

142 100

141 216.8 64.7 97.1#

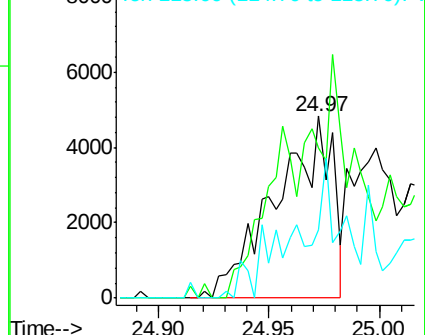
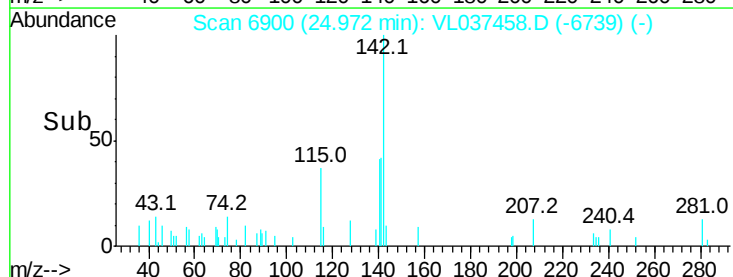
115 71.7 28.4 42.6#

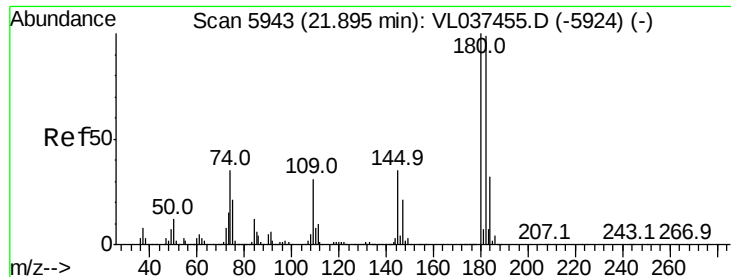


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.252 ppbv
 RT: 21.91 min Scan# 5947
 Delta R.T. 0.01 min
 Lab File: VL037458.D
 Acq: 16 Aug 2021 12:22

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:180 Resp: 45774
 Ion Ratio Lower Upper
 180 100
 182 209.0 79.6 119.4#
 184 65.1 25.4 38.2#

