

Data File : VL037412.D

Acq On : 12 Aug 2021 12:55

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 12 13:44:02 2021

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081221AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 12 11:34:23 2021

QLast Update : Thu Aug 12 11:34:23 2021

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1290976	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3961494	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3441228	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2426823	9.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	129235	0.554	ppbv	99
3) Chlorodifluoromethane	2.99	51	141165	0.588	ppbv	98
4) Chloromethane	3.14	50	47603	0.538	ppbv	97
5) Vinyl Chloride	3.26	62	43833	0.485	ppbv #	82
6) Bromomethane	3.47	94	22123	0.447	ppbv	96
7) Chloroethane	3.55	64	6917	0.224	ppbv	95
8) Dichlorotetrafluoroethane	3.19	85	121459	0.597	ppbv	96
9) Propene	3.01	41	40211	0.492	ppbv #	75
10) Heptane	8.11	43	44727	0.231	ppbv #	27
11) Trichlorofluoromethane	3.95	101	116088	0.592	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	77710	0.557	ppbv	87
13) Ethanol	3.61	45	341	0.035	ppbv #	31
14) Bromoethene	3.74	108	33401	0.523	ppbv	89
15) Acetone	3.87	43	63399	0.515	ppbv #	30
16) 1,3-Butadiene	3.32	39	21813	0.252	ppbv #	1
17) tert-Butyl alcohol	4.29	59	1111	0.010	ppbv #	72
18) 1,1-Dichloroethene	4.29	96	17729	0.280	ppbv	97
19) Isopropyl Alcohol	4.01	45	18171	0.257	ppbv #	81
20) Methylene Chloride	4.34	84	32258	0.483	ppbv	87
21) Allyl Chloride	4.41	41	46298	0.480	ppbv #	79
22) trans-1,2-Dichloroethene	4.88	96	17888	0.299	ppbv #	84
23) Vinyl Acetate	5.08	43	92475	0.468	ppbv #	95
24) 1,1-Dichloroethane	5.01	63	86062	0.554	ppbv	97
25) Ethyl Acetate	5.69	43	161225	0.512	ppbv #	95
26) Hexane	5.68	57	50344	0.316	ppbv #	1
27) Carbon Disulfide	4.55	76	55852	0.418	ppbv #	90
28) Methyl tert-Butyl Ether	5.05	73	84782	0.498	ppbv	92
29) Chloroform	5.75	83	127893	0.559	ppbv	95
30) Cyclohexane	7.13	84	40344	0.306	ppbv #	27
31) cis-1,2-Dichloroethene	5.55	61	70484	0.493	ppbv	92
32) 1,1,1-Trichloroethane	6.50	97	110710	0.499	ppbv	96
34) 2-Butanone	5.27	43	38492	0.256	ppbv #	54
35) Carbon Tetrachloride	7.01	117	112623	0.510	ppbv	98
36) Benzene	6.89	78	171615	0.546	ppbv	99
37) 1,2-Dichloroethane	6.33	62	13155	0.082	ppbv #	1
38) Trichloroethene	7.83	130	40502	0.303	ppbv	92
39) 1,2-Dichloropropane	7.61	63	18673	0.162	ppbv	95
40) 1,4-Dioxane	7.85	88	221	0.007	ppbv #	100
41) Tetrahydrofuran	6.05	42	369	0.005	ppbv #	34
42) Bromodichloromethane	7.79	83	110692	0.487	ppbv #	82
43) Methyl Methacrylate	8.01	69	20520	0.188	ppbv #	1

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Sample : VSTDIC0.5
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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Aug 12 13:44:02 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081221AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 12 11:34:23 2021
QLast Update : Thu Aug 12 11:34:23 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.87	57	282553	0.539	ppbv	95
45) t-1,3-Dichloropropene	9.28	75	6567	0.080	ppbv	96
46) cis-1,3-Dichloropropene	8.70	75	25728	0.232	ppbv #	92
47) 1,1,2-Trichloroethane	9.48	97	25912	0.200	ppbv	87
48) Dibromochloromethane	10.30	129	24188	0.127	ppbv #	10
49) Bromoform	13.04	173	24856	0.166	ppbv #	1
50) 4-Methyl-2-Pentanone	8.75	43	5763	0.029	ppbv #	38
51) 2-Hexanone	10.13	43	290	0.003	ppbv #	28
52) Tetrachloroethene	11.22	164	64290	0.502	ppbv	91
53) Toluene	9.80	91	92778	0.254	ppbv #	20
54) 1,2-Dibromoethane	10.60	107	46237	0.252	ppbv	98
56) 1,1,1,2-Tetrachloroethane	12.12	131	64518	0.485	ppbv #	1
57) Chlorobenzene	12.14	112	114577	0.431	ppbv #	81
58) Ethyl Benzene	12.71	91	222976	0.485	ppbv	94
59) m/p-Xylene	12.99	91	193503	0.489	ppbv #	22
60) o-Xylene	13.68	91	203266	0.554	ppbv	98
61) Styrene	13.52	104	37689	0.198	ppbv #	27
62) Isopropylbenzene	14.66	105	287803	0.557	ppbv	96
63) 1,1,2,2-Tetrachloroethane	13.67	83	135629	0.489	ppbv	94
64) n-propylbenzene	15.55	120	50127	0.382	ppbv #	17
65) tert-Butylbenzene	16.74	119	257047	0.552	ppbv	94
66) Benzyl Chloride	16.97	91	2657	0.135	ppbv #	78
67) sec-Butylbenzene	17.28	105	329669	0.515	ppbv	99
69) p-Isopropyltoluene	17.65	119	261088	0.505	ppbv	98
70) n-Butylbenzene	18.55	91	235486	0.485	ppbv	98
71) 2-Chlorotoluene	15.45	91	198301	0.526	ppbv	98
72) 4-Ethyltoluene	15.83	105	211657	0.494	ppbv	98
73) 1,3,5-Trimethylbenzene	16.00	105	195108	0.491	ppbv	99
74) 1,2,4-Trimethylbenzene	16.76	105	113610	0.281	ppbv	94
75) 1,3-Dichlorobenzene	16.99	146	121522	0.495	ppbv	91
76) 1,4-Dichlorobenzene	17.13	146	83893	0.348	ppbv #	57
77) 1,2-Dichlorobenzene	17.81	146	120181	0.508	ppbv	91
78) Hexachloro-1,3-Butadiene	23.36	225	61839	0.326	ppbv #	28
79) Naphthalene	22.17	128	4912	0.022	ppbv #	92
80) Naphthalene,2-methyl-	24.75	142	139	0.003	ppbv	99
81) 1,2,4-Trichlorobenzene	21.92	180	25145	0.167	ppbv #	11

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

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ALS Vial : 1 Sample Multiplier: 1

Instrument :

MSVOA_L

ClientSampleId :

VSTDICC0.5

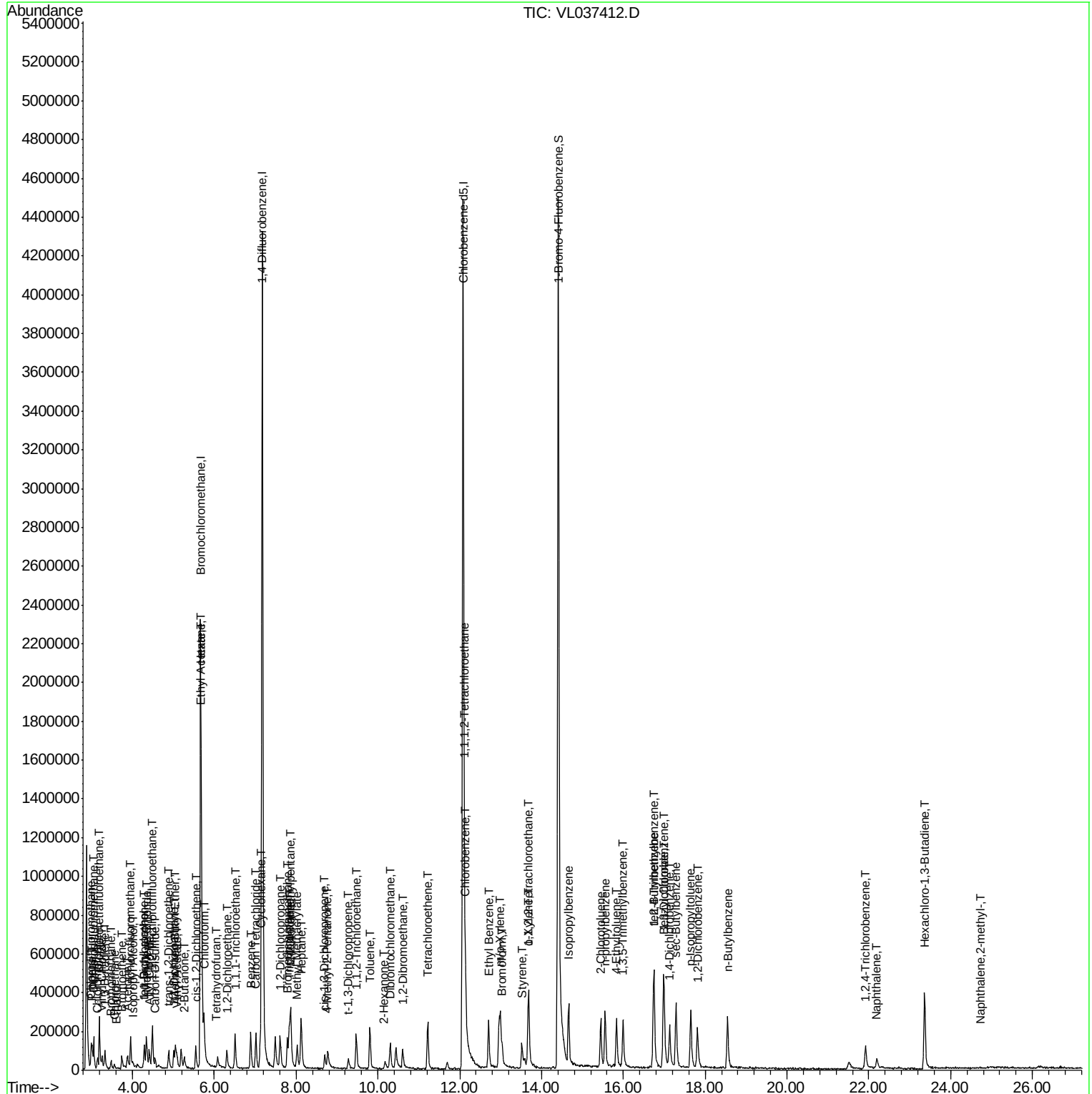
Quant Time: Aug 12 13:44:02 2021

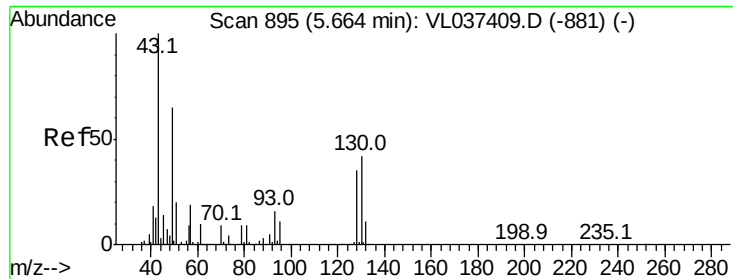
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081221AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 12 11:34:23 2021

QLast Update : Thu Aug 12 11:34:23 2021

Response via : Initial Calibration

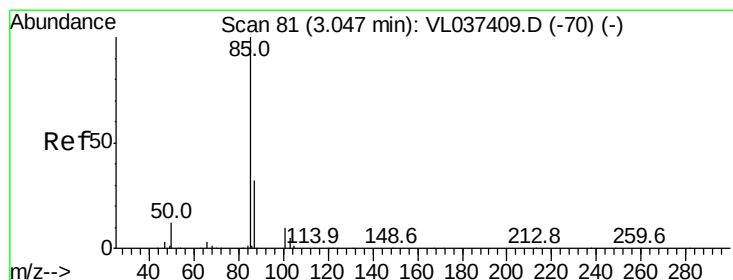
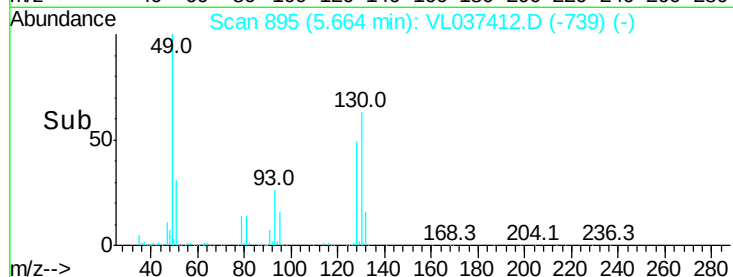
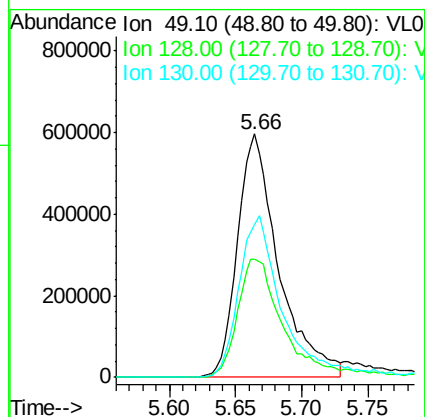
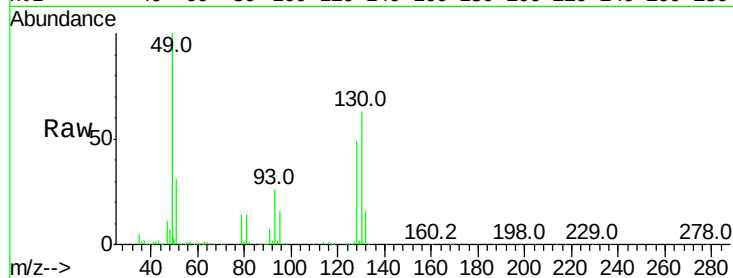




#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.66 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

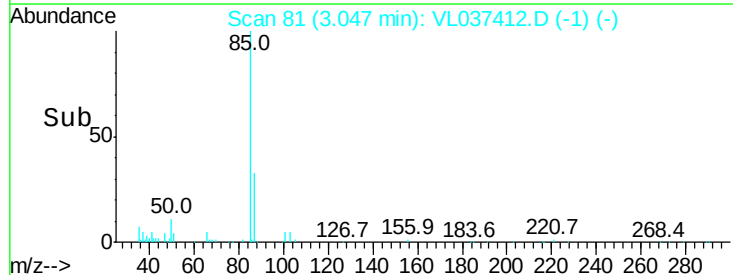
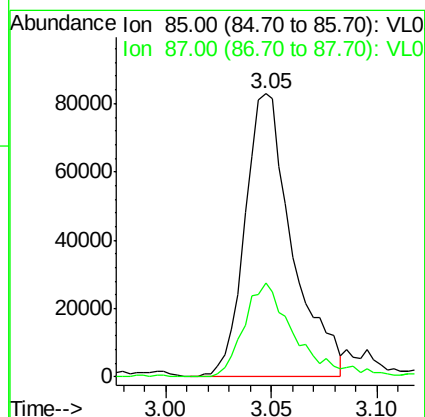
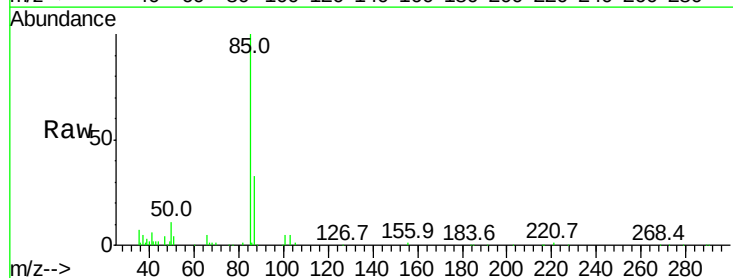
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

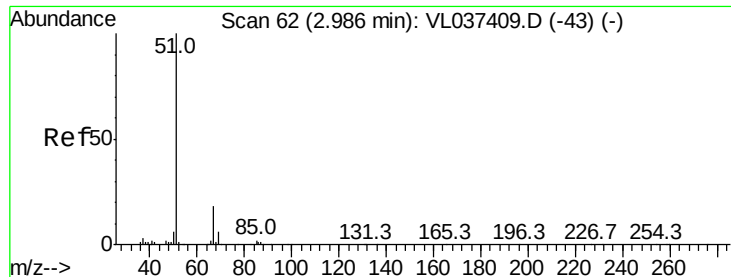
Tgt Ion: 49 Resp: 1290976
 Ion Ratio Lower Upper
 49 100
 128 56.0 27.9 83.6
 130 70.2 34.6 103.8



#2
 Dichlorodifluoromethane
 Concen: 0.554 ppbv
 RT: 3.05 min Scan# 81
 Delta R.T. 0.00 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

Tgt Ion: 85 Resp: 129235
 Ion Ratio Lower Upper
 85 100
 87 32.6 25.7 38.5

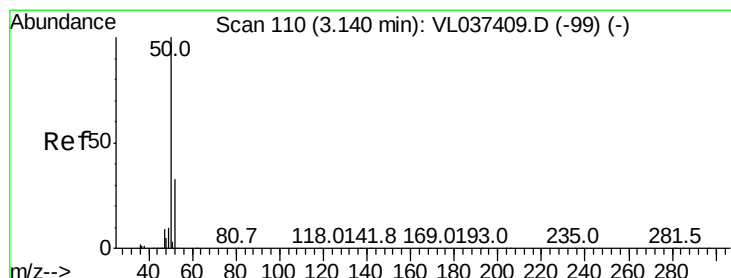
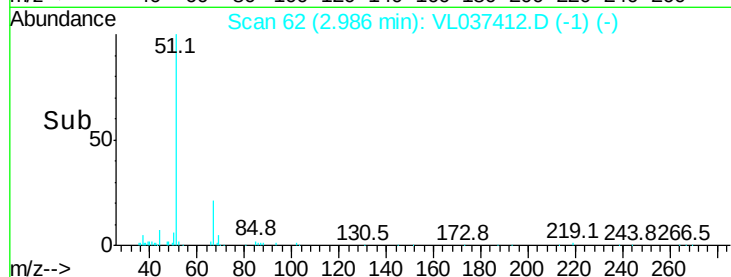
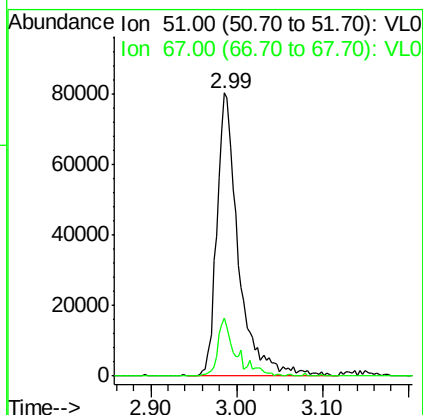
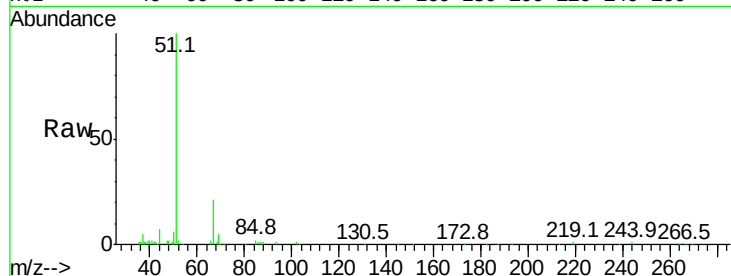




#3
 Chlorodifluoromethane
 Concen: 0.588 ppbv
 RT: 2.99 min Scan# 62
 Delta R.T. 0.00 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

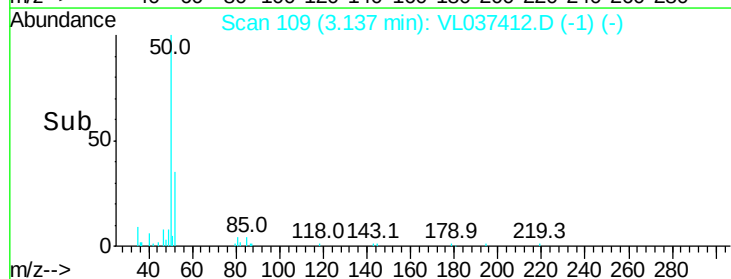
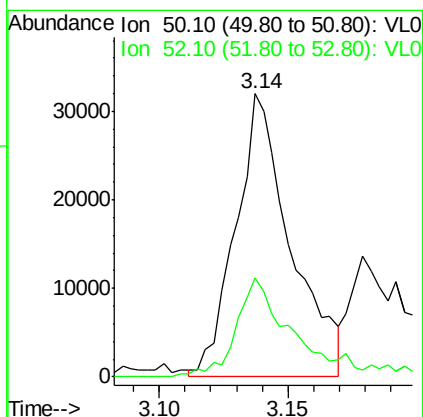
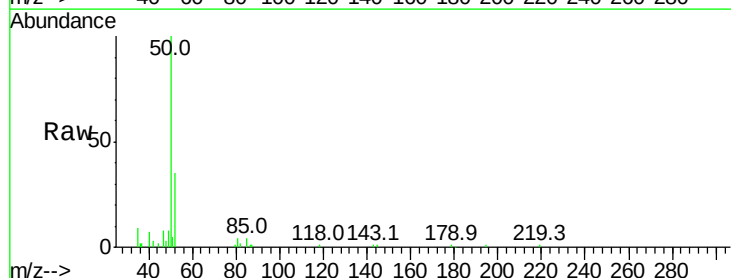
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

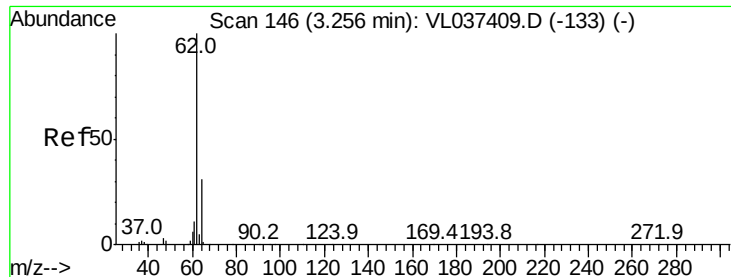
Tgt Ion: 51 Resp: 141165
 Ion Ratio Lower Upper
 51 100
 67 17.5 14.7 22.1



#4
 Chloromethane
 Concen: 0.538 ppbv
 RT: 3.14 min Scan# 109
 Delta R.T. -0.00 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

Tgt Ion: 50 Resp: 47603
 Ion Ratio Lower Upper
 50 100
 52 34.6 26.2 39.4





#5

Vinyl Chloride

Concen: 0.485 ppbv

RT: 3.26 min Scan# 146

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

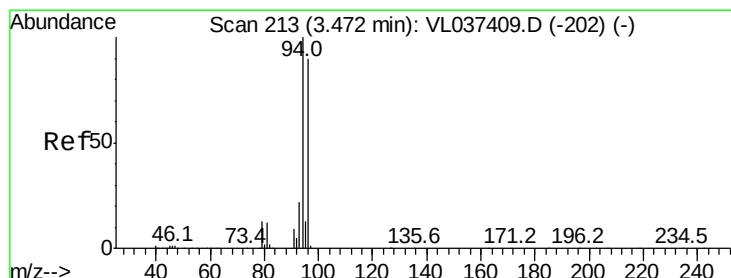
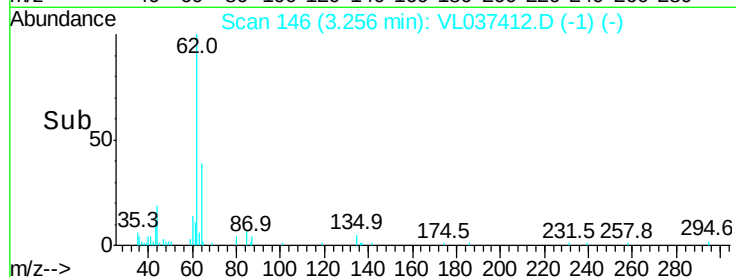
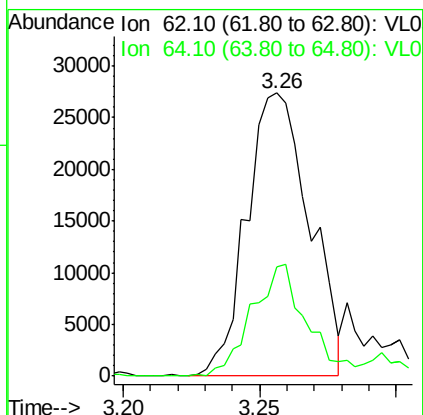
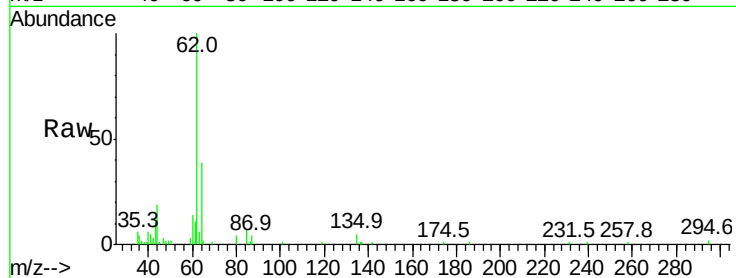
VSTDIC0.5

Tgt Ion: 62 Resp: 43833

Ion Ratio Lower Upper

62 100

64 41.1 25.0 37.6#



#6

Bromomethane

Concen: 0.447 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL037412.D

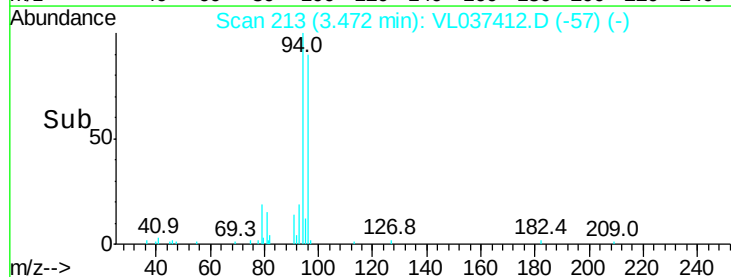
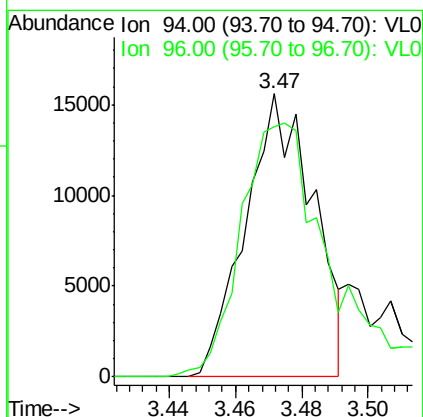
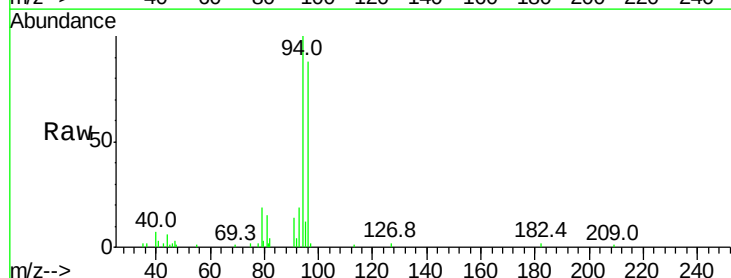
Acq: 12 Aug 2021 12:55

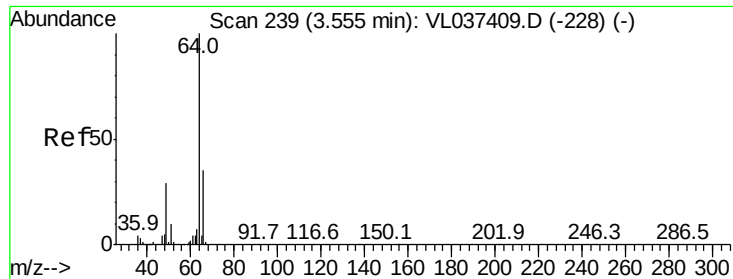
Tgt Ion: 94 Resp: 22123

Ion Ratio Lower Upper

94 100

96 86.1 72.2 108.4





#7

Chloroethane

Concen: 0.224 ppbv

RT: 3.55 min Scan# 238

Delta R.T. -0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

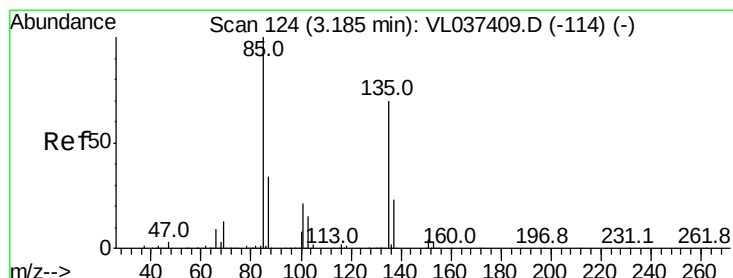
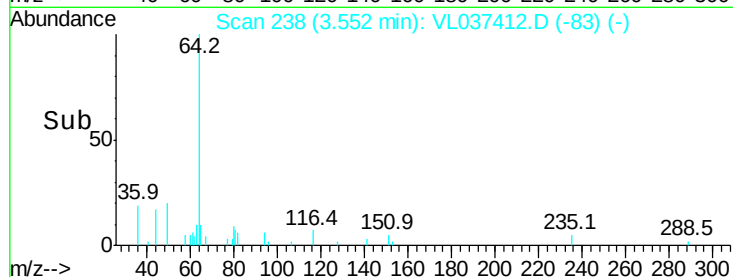
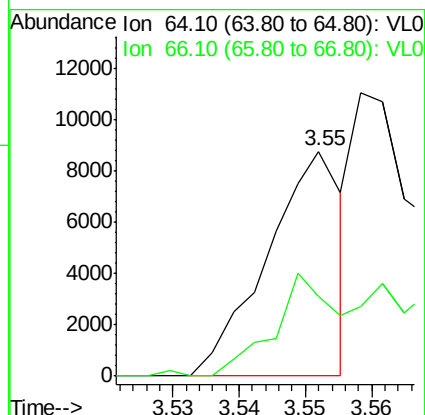
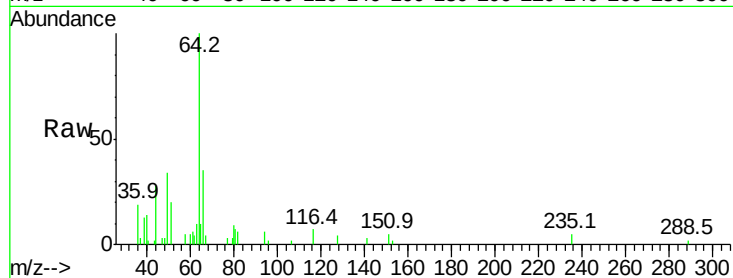
VSTDIC0.5

Tgt Ion: 64 Resp: 6917

Ion Ratio Lower Upper

64 100

66 32.1 27.8 41.8



#8

Dichlorotetrafluoroethane

Concen: 0.597 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037412.D

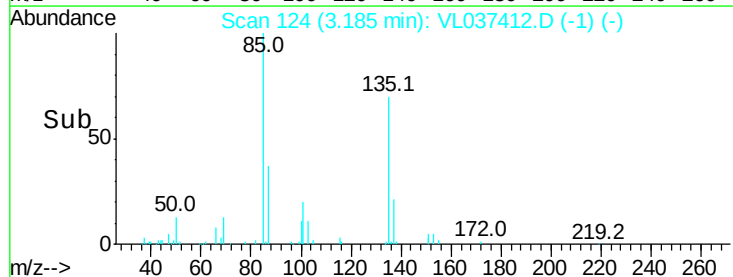
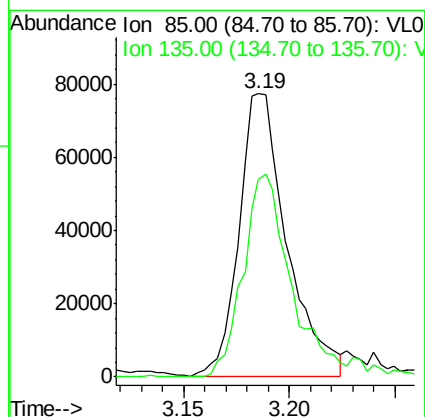
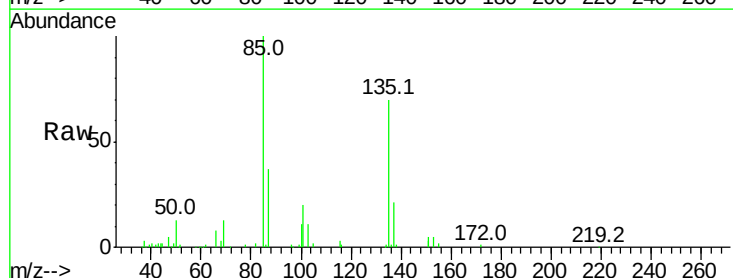
Acq: 12 Aug 2021 12:55

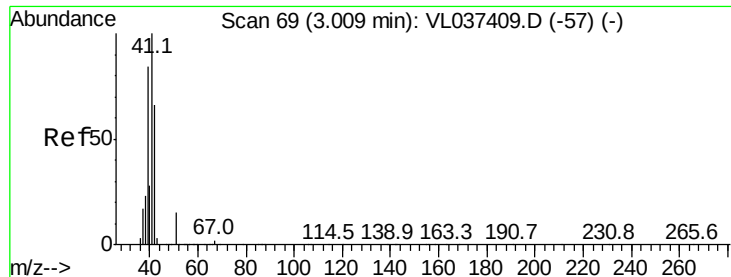
Tgt Ion: 85 Resp: 121459

Ion Ratio Lower Upper

85 100

135 76.7 58.6 88.0





#9

Propene

Concen: 0.492 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

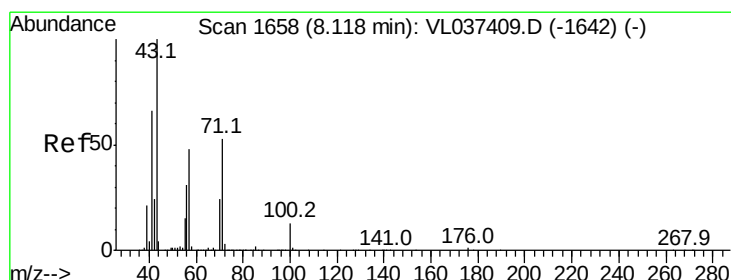
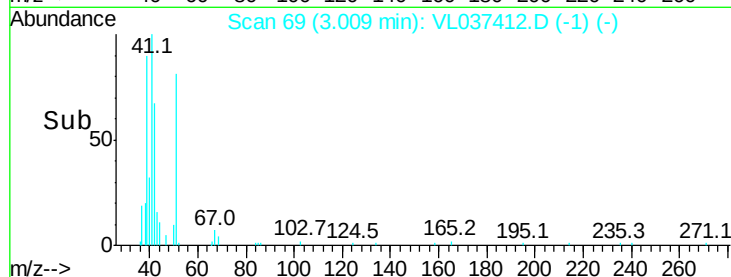
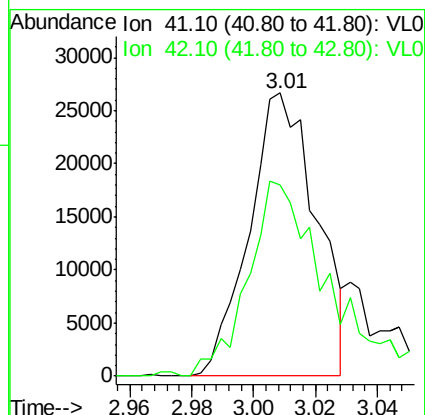
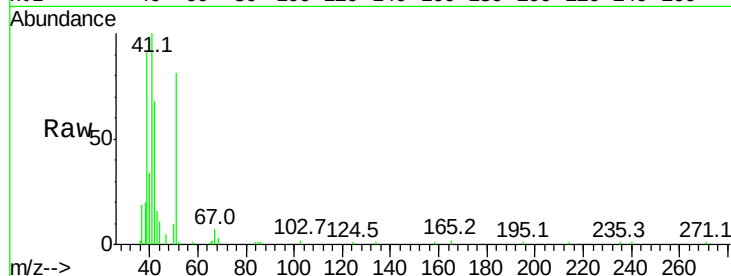
VSTDIC0.5

Tgt Ion: 41 Resp: 40211

Ion Ratio Lower Upper

41 100

42 87.2 53.8 80.8#



#10

Heptane

Concen: 0.231 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL037412.D

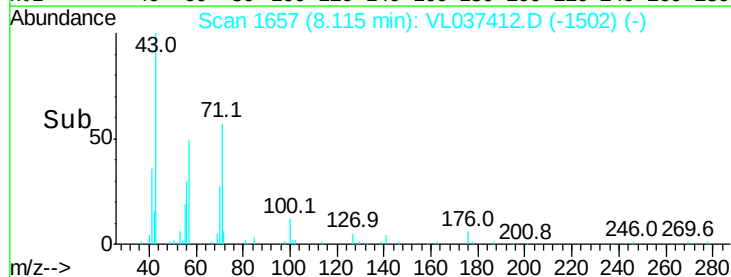
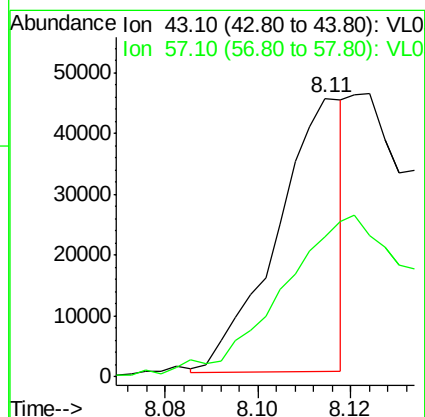
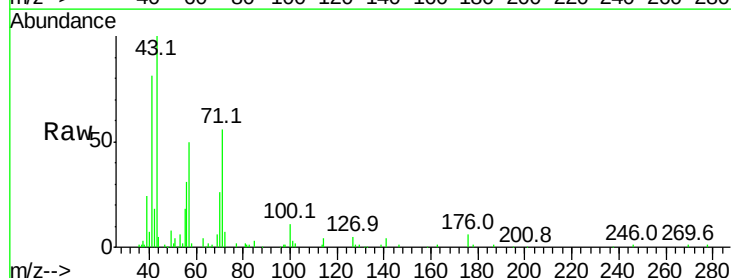
Acq: 12 Aug 2021 12:55

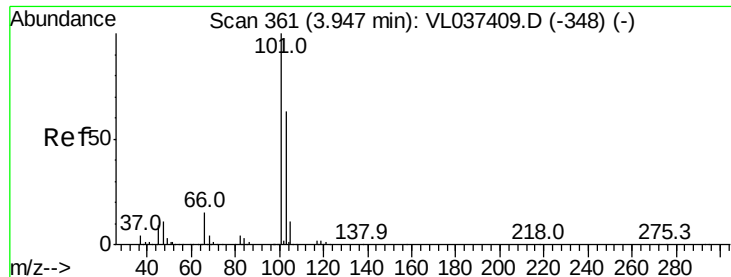
Tgt Ion: 43 Resp: 44727

Ion Ratio Lower Upper

43 100

57 0.0 40.3 60.5#

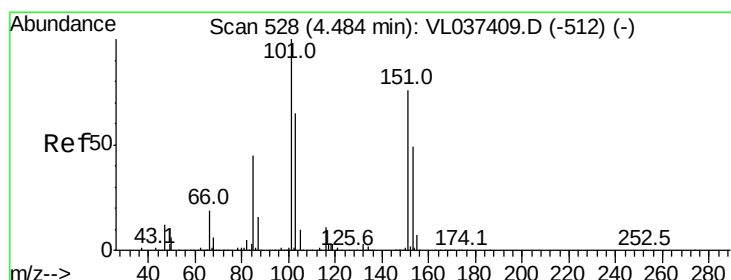
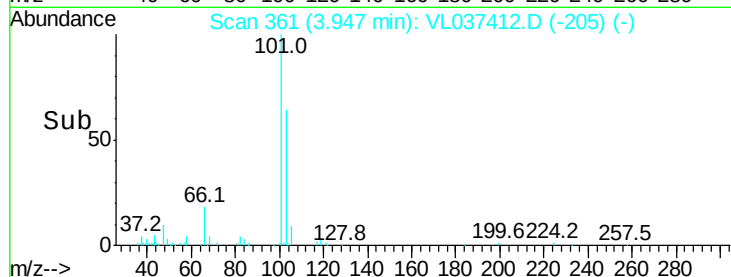
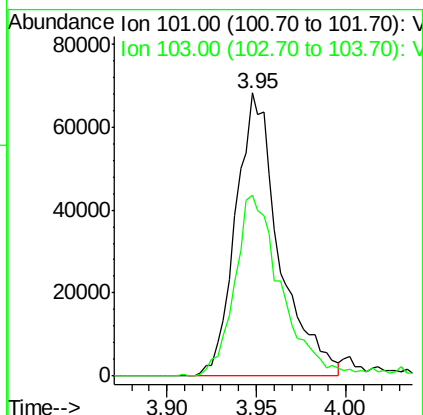
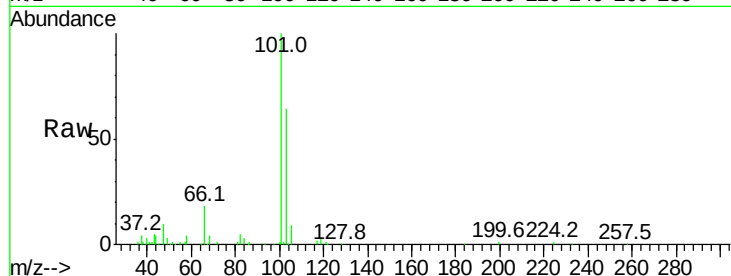




#11
 Trichlorofluoromethane
 Concen: 0.592 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

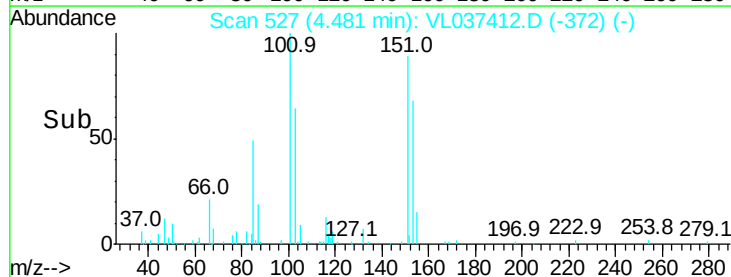
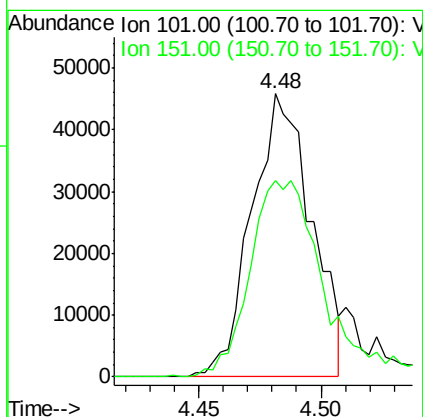
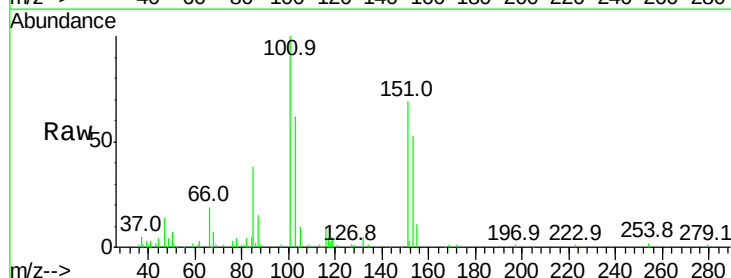
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

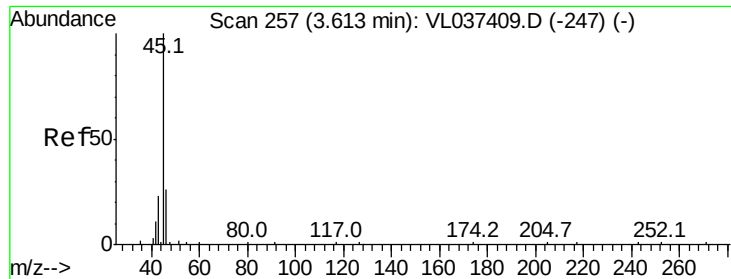
Tgt Ion:101 Resp: 116088
 Ion Ratio Lower Upper
 101 100
 103 64.0 50.2 75.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.557 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

Tgt Ion:101 Resp: 77710
 Ion Ratio Lower Upper
 101 100
 151 87.8 61.2 91.8





#13

Ethanol

Concen: 0.035 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

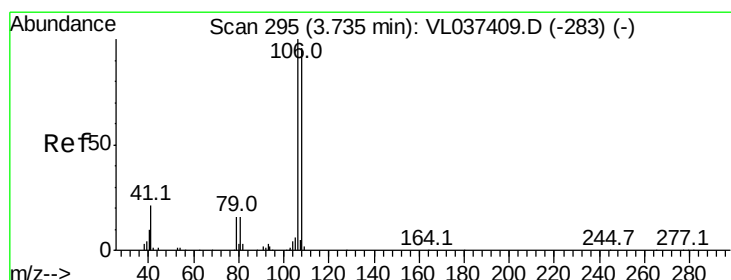
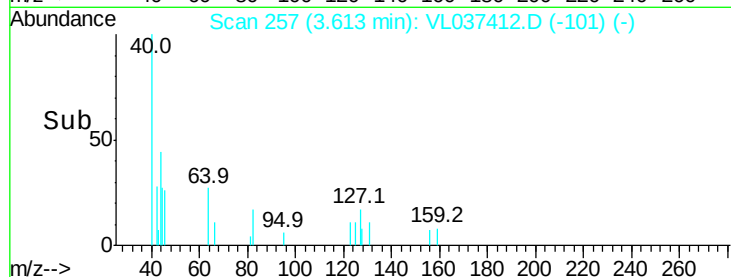
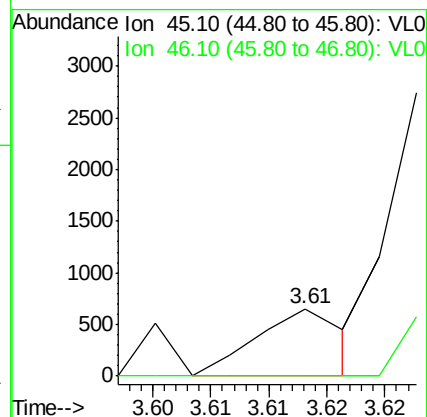
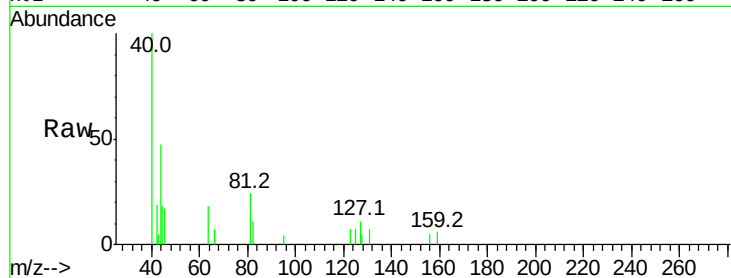
VSTDIC0.5

Tgt Ion: 45 Resp: 341

Ion Ratio Lower Upper

45 100

46 0.0 18.0 72.2#



#14

Bromoethene

Concen: 0.523 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

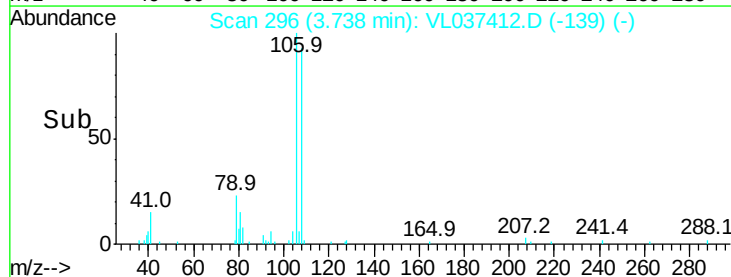
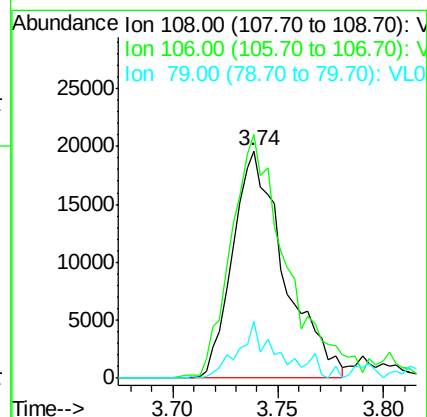
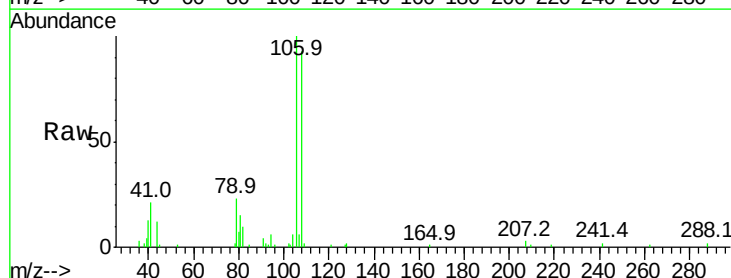
Tgt Ion: 108 Resp: 33401

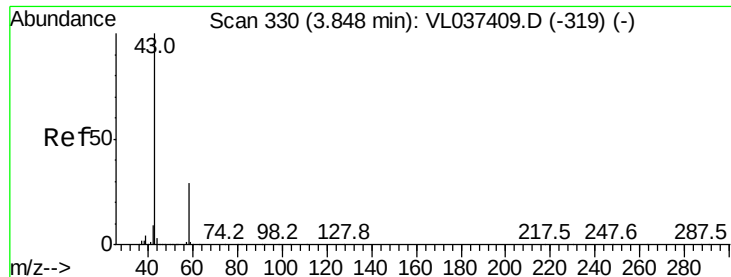
Ion Ratio Lower Upper

108 100

106 122.1 87.5 131.3

79 19.0 13.5 20.3





#15

Acetone

Concen: 0.515 ppbv

RT: 3.87 min Scan# 338

Delta R.T. 0.03 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

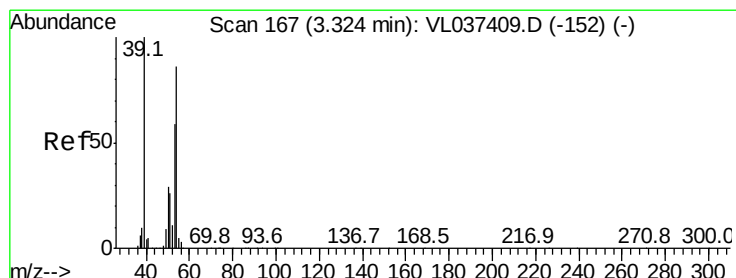
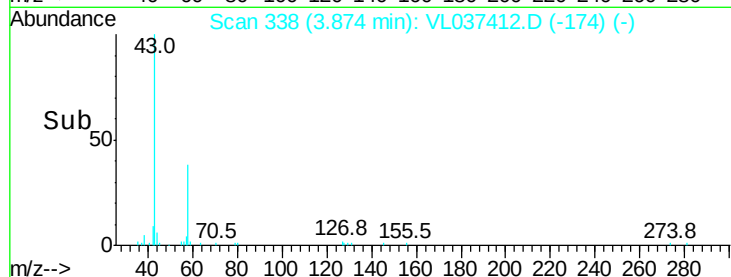
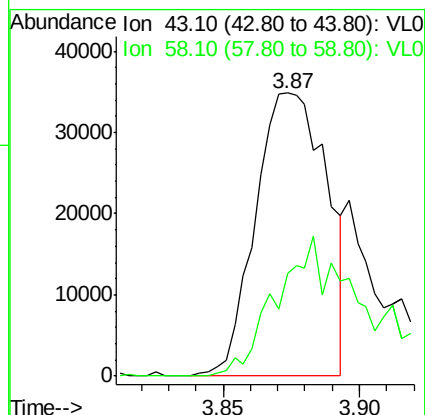
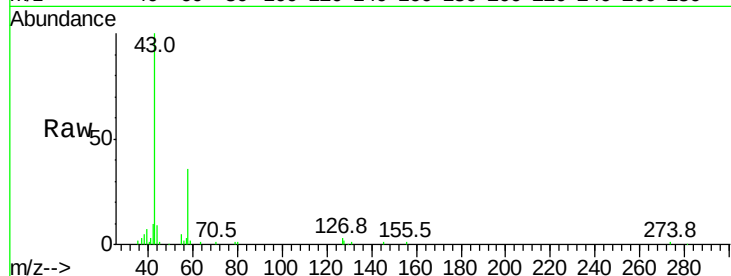
VSTDIC0.5

Tgt Ion: 43 Resp: 63399

Ion Ratio Lower Upper

43 100

58 68.8 24.4 36.6#



#16

1,3-Butadiene

Concen: 0.252 ppbv

RT: 3.32 min Scan# 166

Delta R.T. -0.00 min

Lab File: VL037412.D

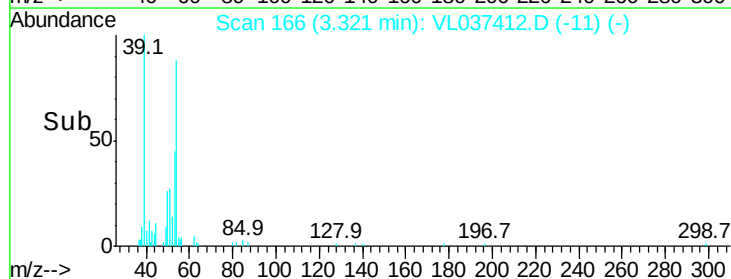
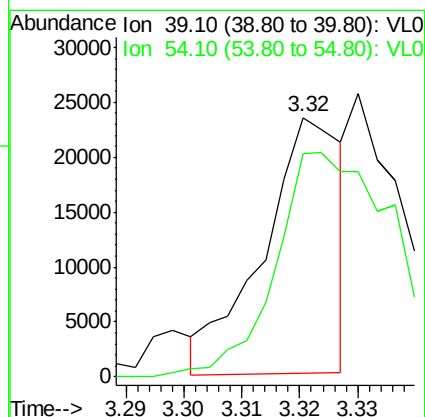
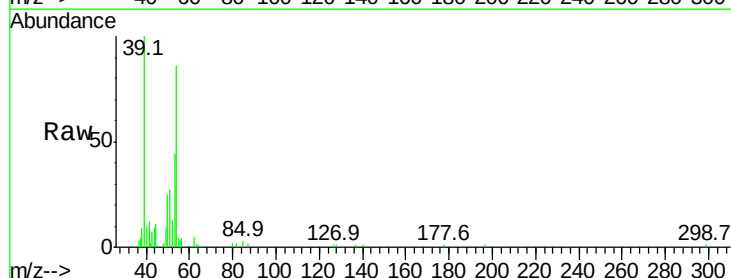
Acq: 12 Aug 2021 12:55

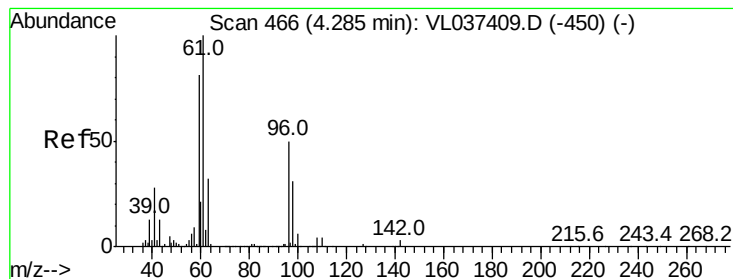
Tgt Ion: 39 Resp: 21813

Ion Ratio Lower Upper

39 100

54 171.8 61.4 92.0#





#17

tert-Butyl alcohol

Concen: 0.010 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

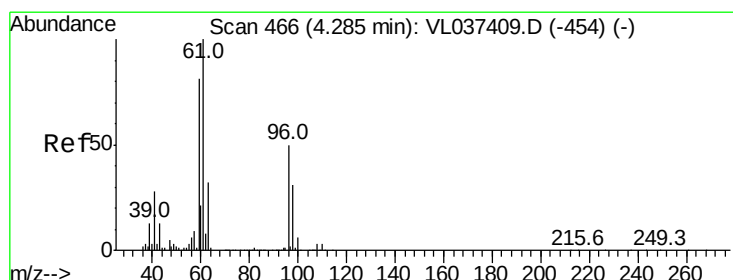
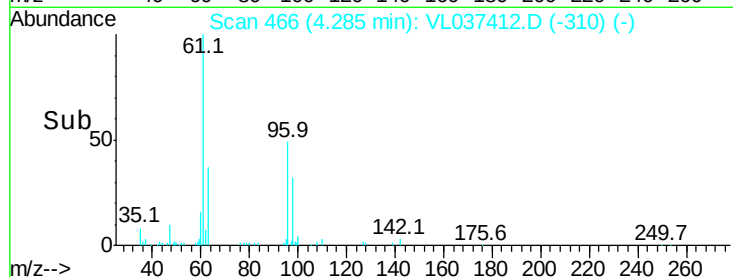
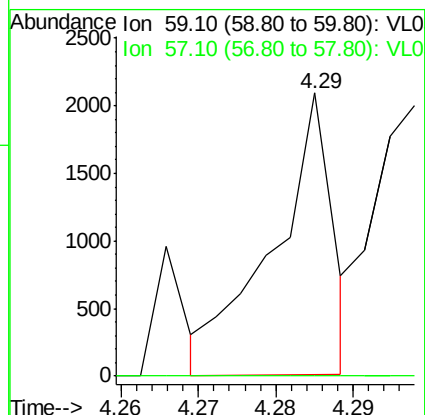
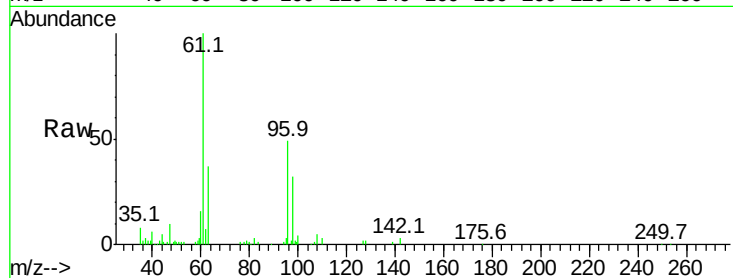
VSTDIC0.5

Tgt Ion: 59 Resp: 1111

Ion Ratio Lower Upper

59 100

57 0.0 8.5 12.7#



#18

1,1-Dichloroethene

Concen: 0.280 ppbv

RT: 4.29 min Scan# 466

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

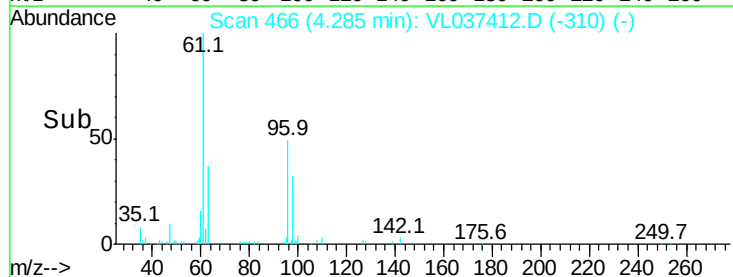
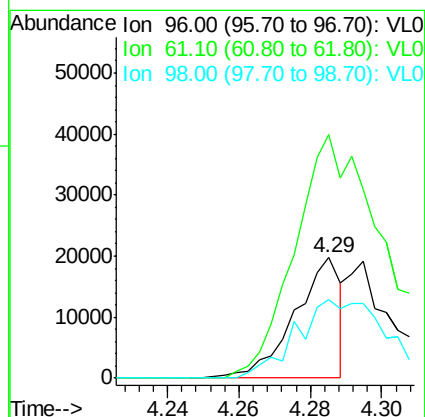
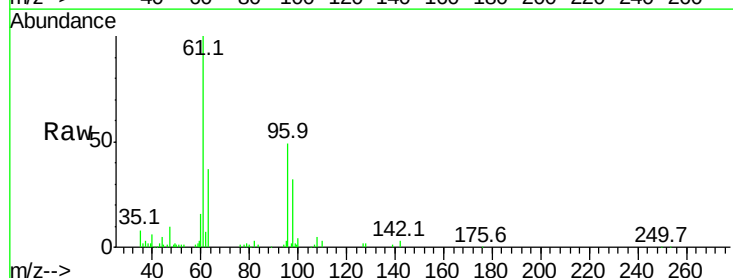
Tgt Ion: 96 Resp: 17729

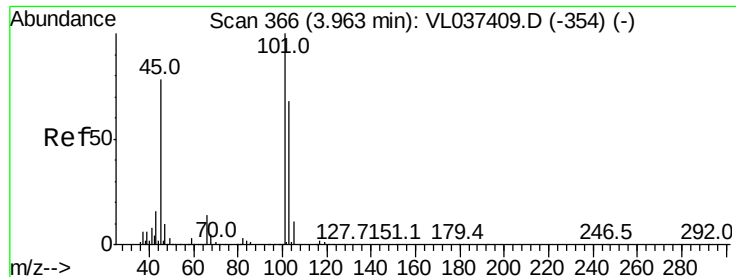
Ion Ratio Lower Upper

96 100

61 202.0 159.0 238.4

98 64.9 49.4 74.2





#19

Isopropyl Alcohol

Concen: 0.257 ppbv

RT: 4.01 min Scan# 379

Delta R.T. 0.04 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

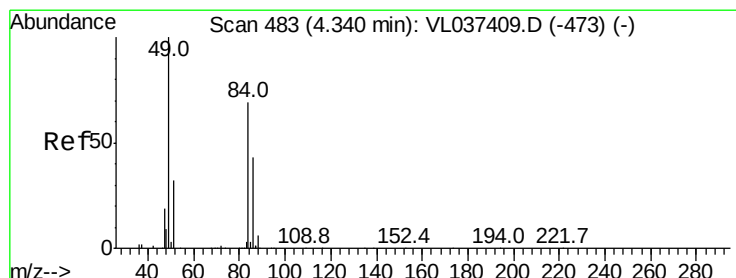
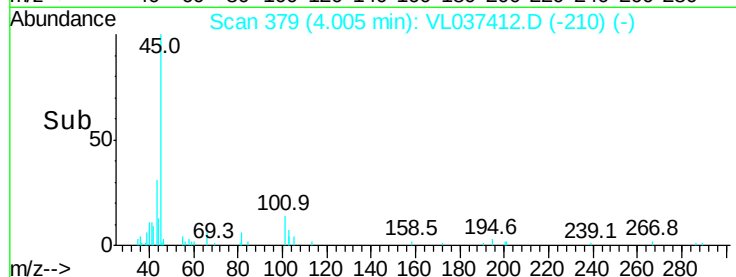
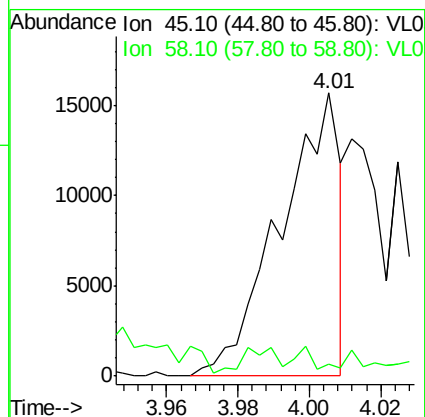
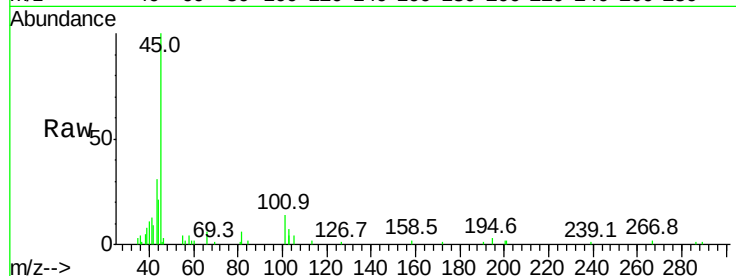
VSTDIC0.5

Tgt Ion: 45 Resp: 18171

Ion Ratio Lower Upper

45 100

58 9.2 2.2 3.4#



#20

Methylene Chloride

Concen: 0.483 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Tgt Ion: 84 Resp: 32258

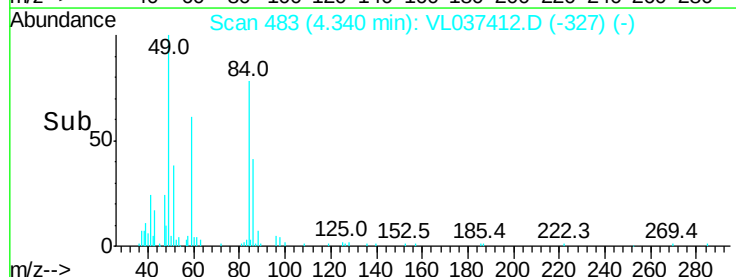
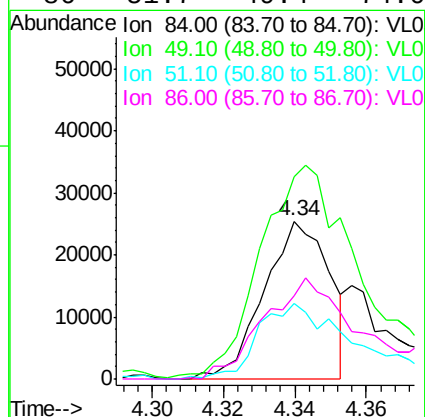
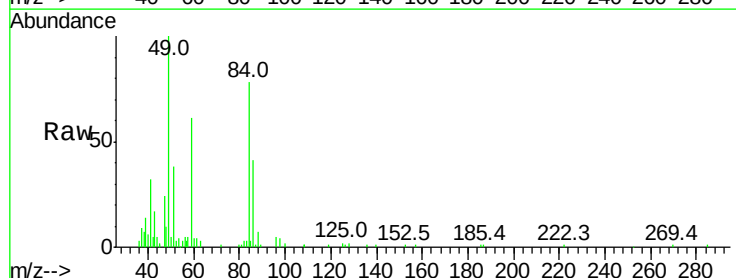
Ion Ratio Lower Upper

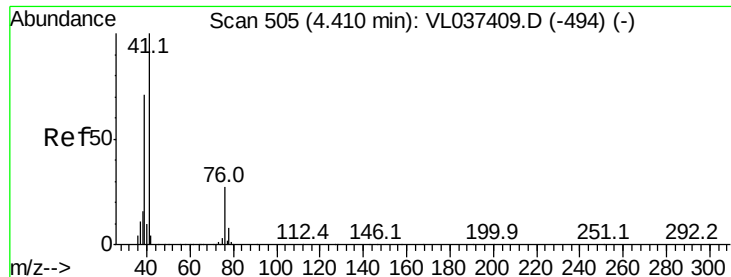
84 100

49 124.4 116.0 174.0

51 46.4 37.1 55.7

86 51.7 49.4 74.0





#21

Allyl Chloride

Concen: 0.480 ppbv

RT: 4.41 min Scan# 505

Delta R.T. 0.00 min

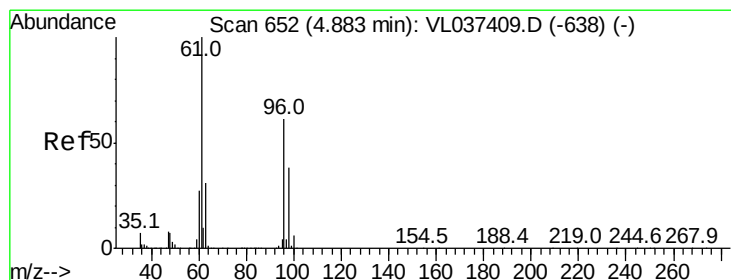
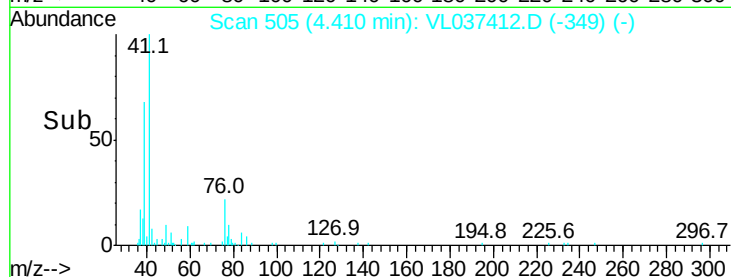
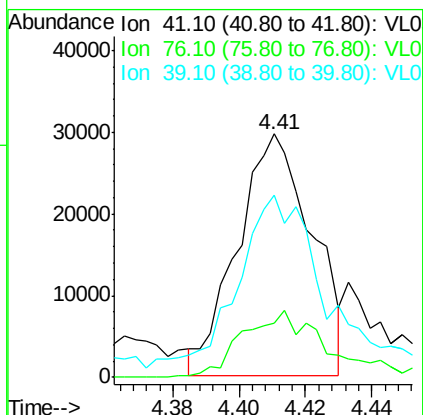
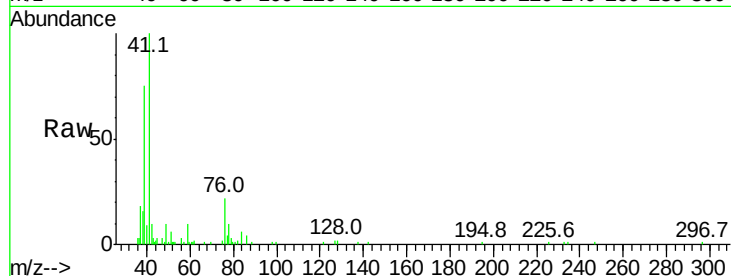
Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 41 Resp: 46298

Ion	Ratio	Lower	Upper
41	100		
76	32.3	23.7	35.5
39	101.1	62.3	93.5#



#22

trans-1,2-Dichloroethene

Concen: 0.299 ppbv

RT: 4.88 min Scan# 652

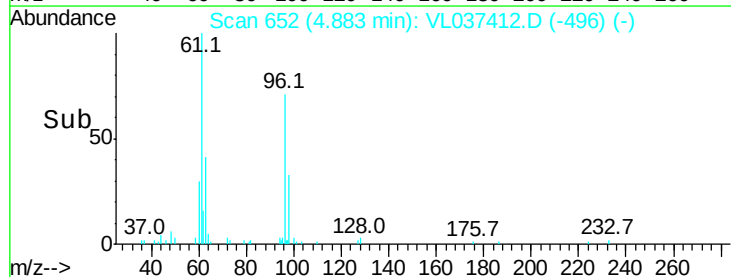
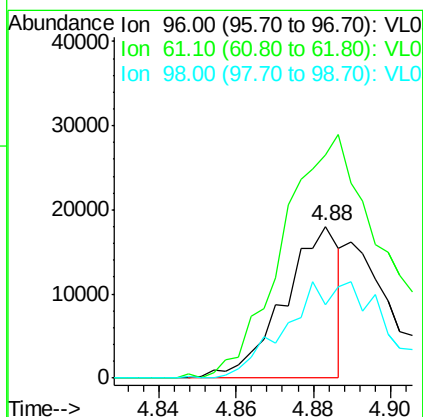
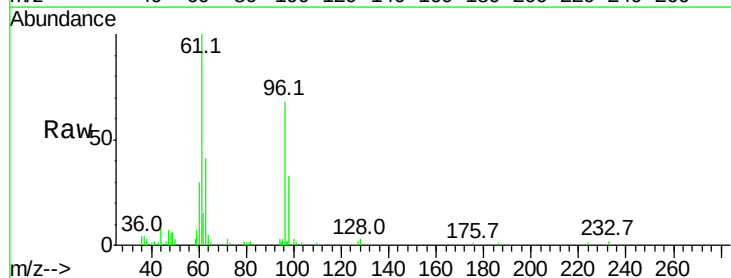
Delta R.T. 0.00 min

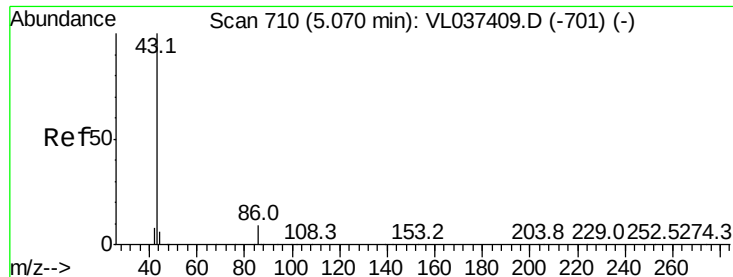
Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Tgt Ion: 96 Resp: 17888

Ion	Ratio	Lower	Upper
96	100		
61	144.3	131.0	196.4
98	47.3	50.2	75.4#





#23

Vinyl Acetate

Concen: 0.468 ppbv

RT: 5.08 min Scan# 713

Delta R.T. 0.01 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 92475

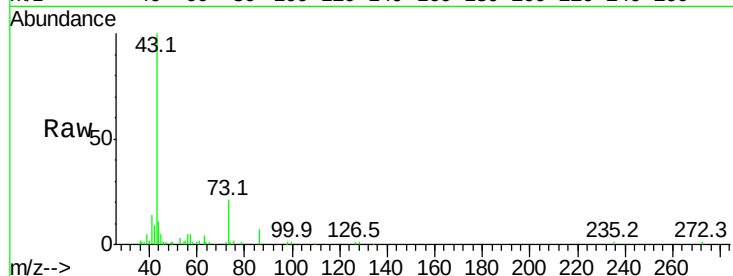
Ion Ratio Lower Upper

43 100

86 9.5 5.8 8.8#

42 8.8 7.7 11.5

44 7.5 4.0 6.0#

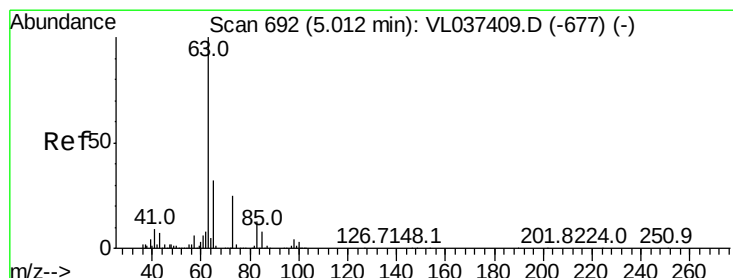
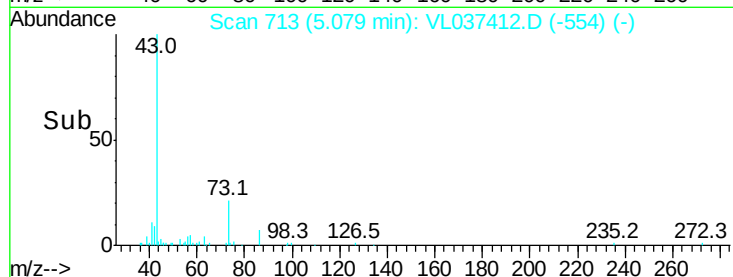
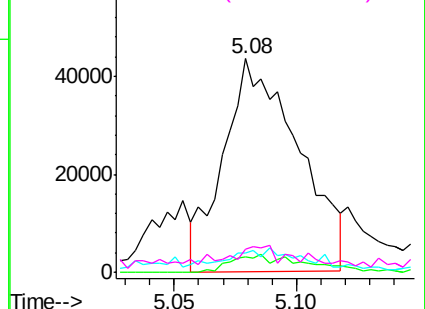


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.554 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

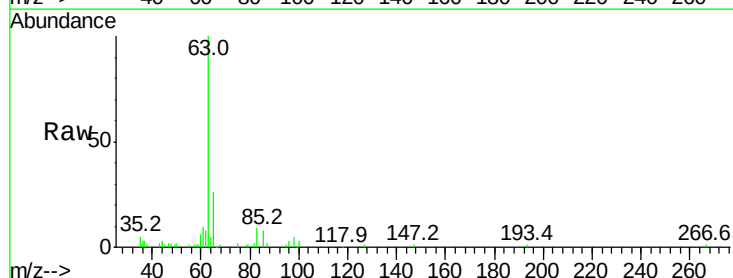
Tgt Ion: 63 Resp: 86062

Ion Ratio Lower Upper

63 100

98 2.9 2.1 6.3

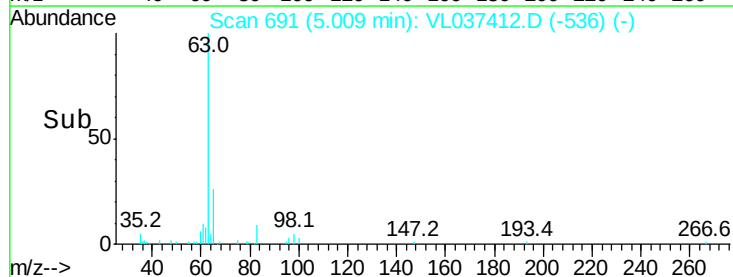
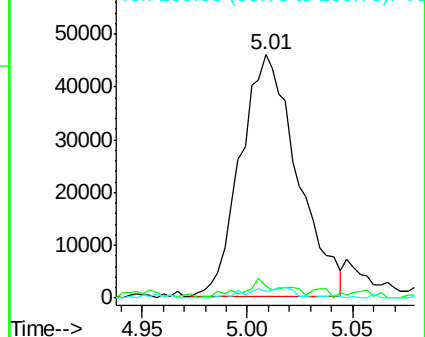
100 2.8 1.6 4.7

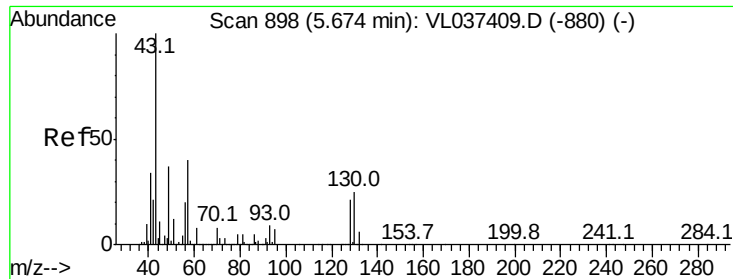


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

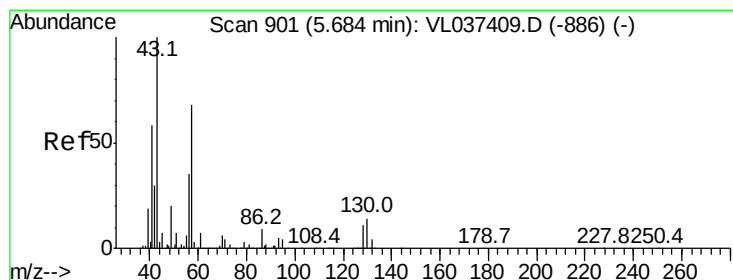
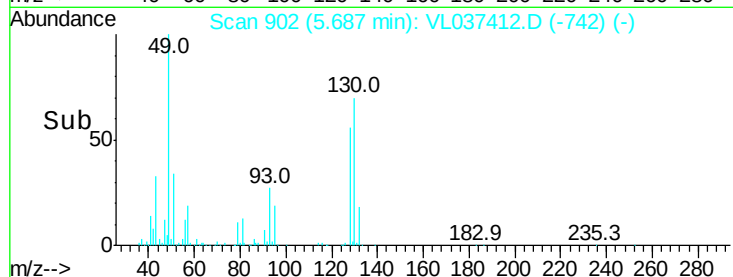
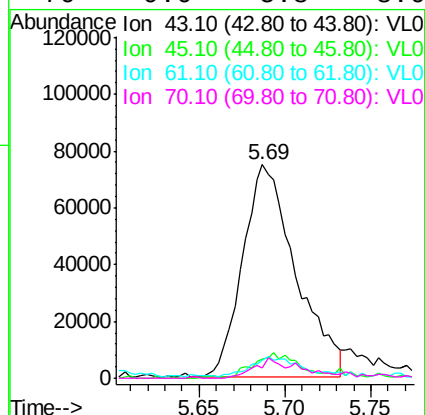
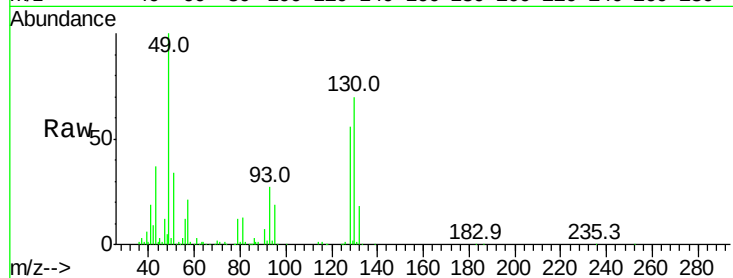




#25
Ethyl Acetate
Concen: 0.512 ppbv
RT: 5.69 min Scan# 902
Delta R.T. 0.01 min
Lab File: VL037412.D
Acq: 12 Aug 2021 12:55

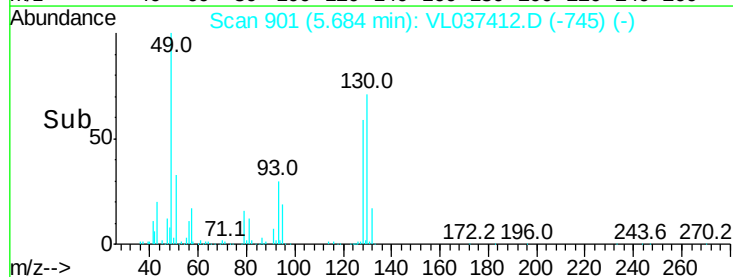
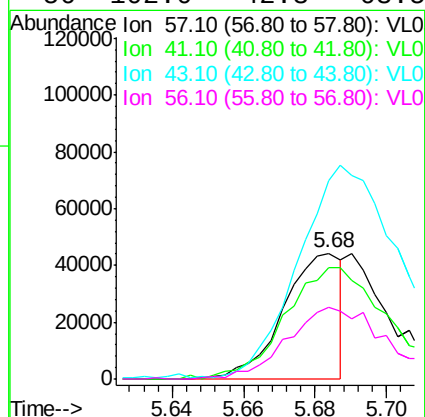
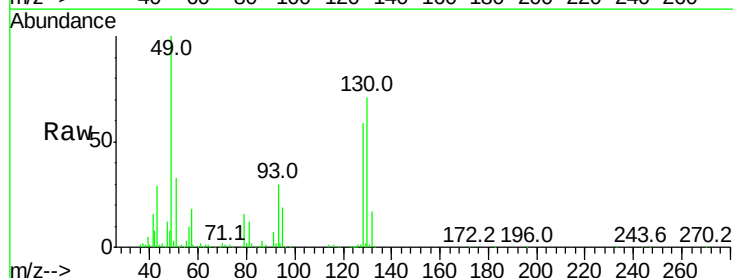
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

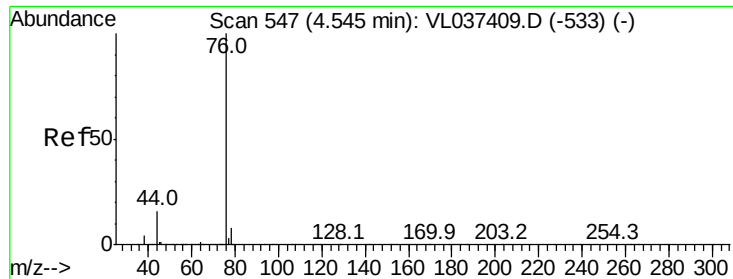
Tgt Ion:	43	Resp:	161225
Ion	Ratio	Lower	Upper
43	100		
45	12.6	7.9	11.9#
61	10.8	7.7	11.5
70	9.0	5.8	8.6#



#26
Hexane
Concen: 0.316 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037412.D
Acq: 12 Aug 2021 12:55

Tgt Ion:	57	Resp:	50344
Ion	Ratio	Lower	Upper
57	100		
41	0.0	72.5	108.7#
43	0.0	169.3	253.9#
56	102.0	42.3	63.5#





#27

Carbon Disulfide

Concen: 0.418 ppbv

RT: 4.55 min Scan# 549

Delta R.T. 0.01 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

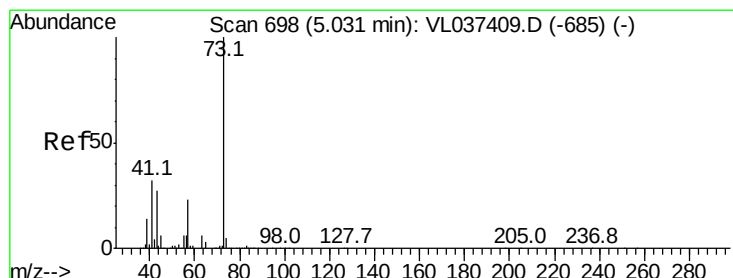
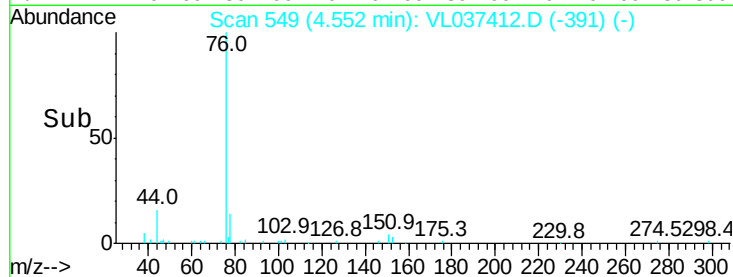
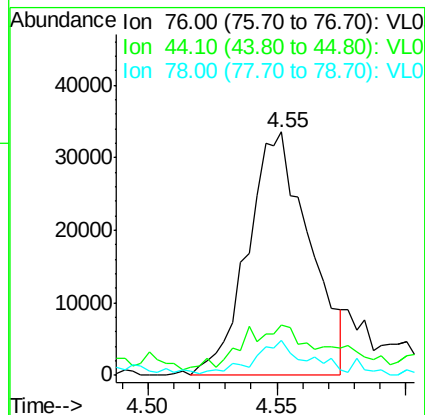
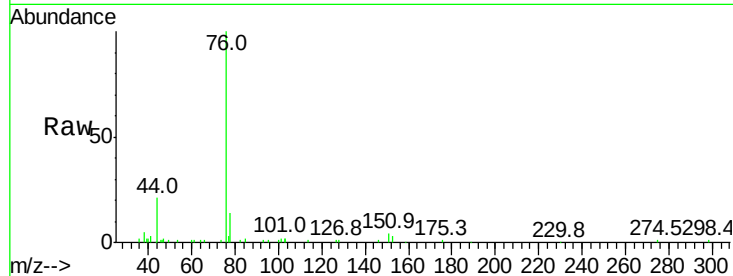
Tgt Ion: 76 Resp: 55852

Ion Ratio Lower Upper

76 100

44 21.6 14.4 21.6#

78 15.2 8.0 12.0#



#28

Methyl tert-Butyl Ether

Concen: 0.498 ppbv

RT: 5.05 min Scan# 704

Delta R.T. 0.02 min

Lab File: VL037412.D

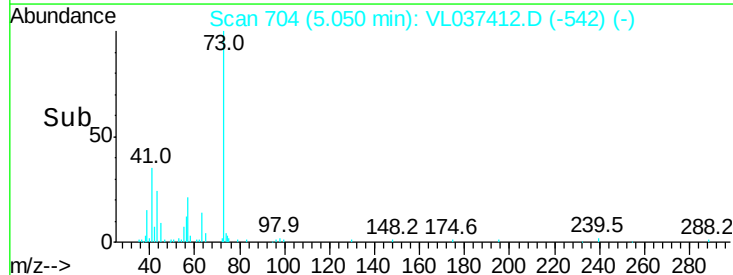
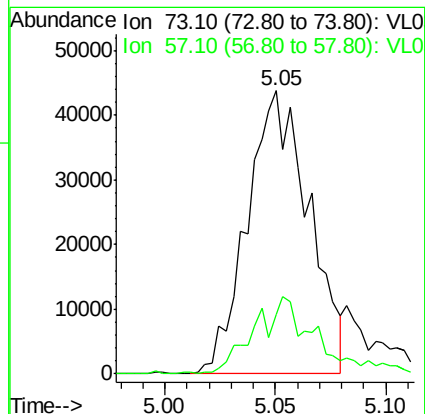
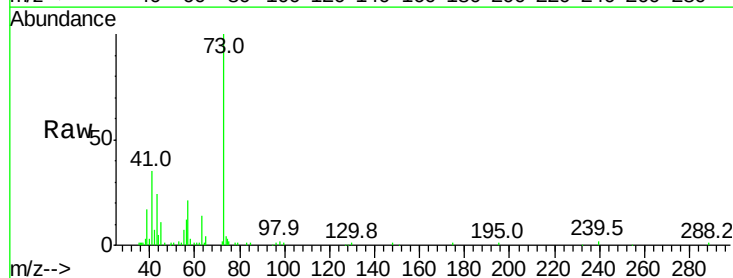
Acq: 12 Aug 2021 12:55

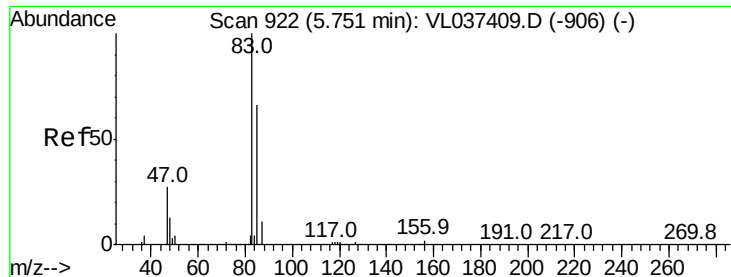
Tgt Ion: 73 Resp: 84782

Ion Ratio Lower Upper

73 100

57 27.8 19.0 28.4

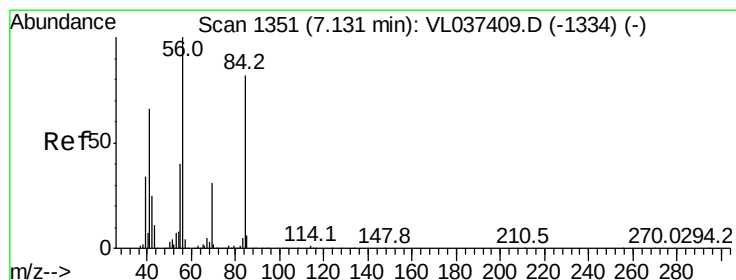
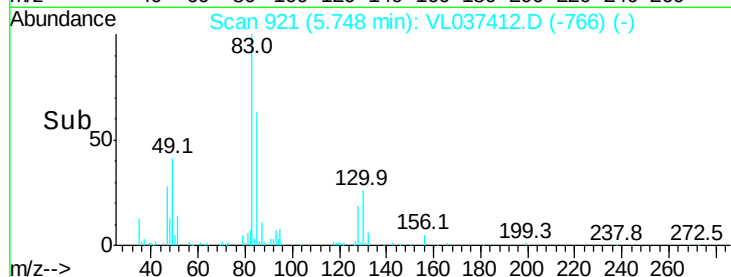
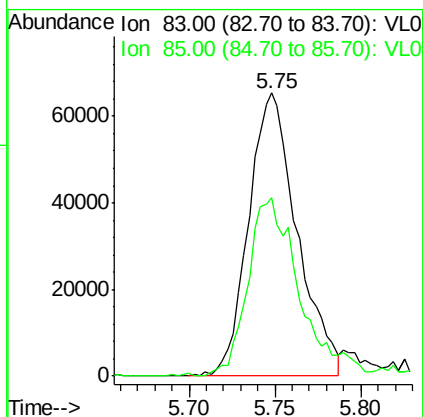
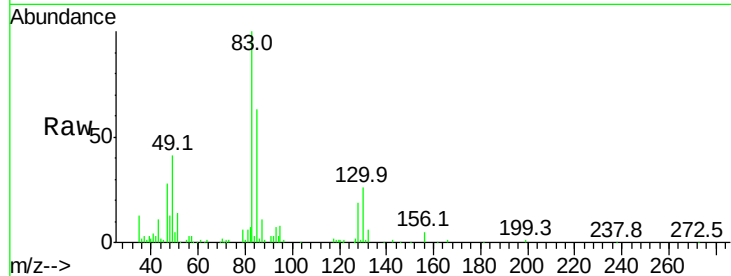




#29
Chloroform
Concen: 0.559 ppbv
RT: 5.75 min Scan# 921
Delta R.T. -0.00 min
Lab File: VL037412.D
Acq: 12 Aug 2021 12:55

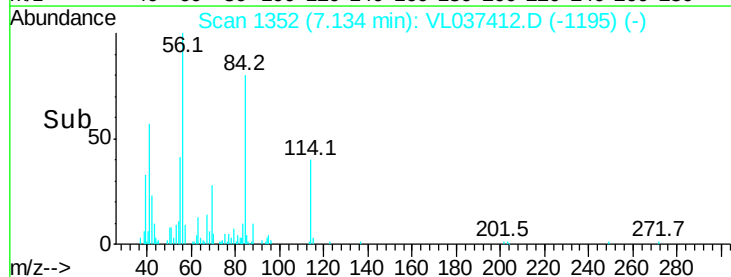
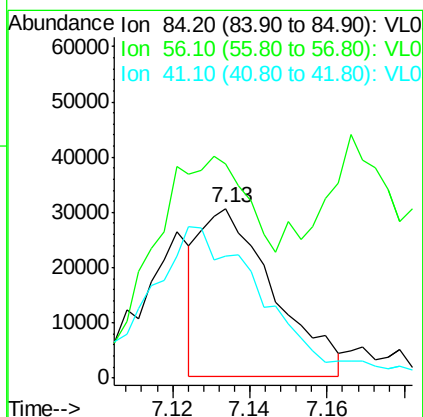
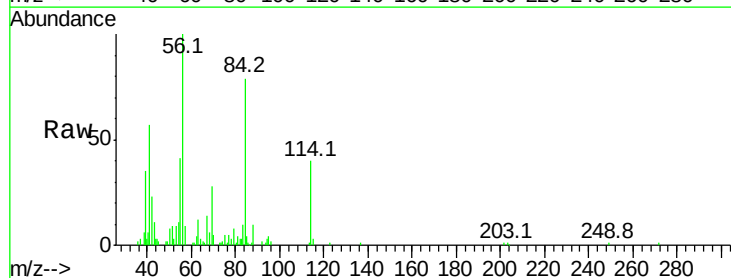
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

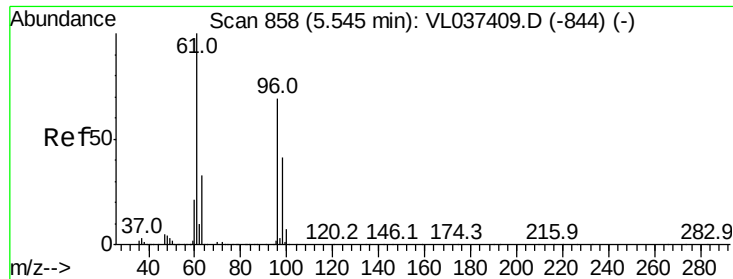
Tgt Ion: 83 Resp: 127893
Ion Ratio Lower Upper
83 100
85 61.7 52.4 78.6



#30
Cyclohexane
Concen: 0.306 ppbv
RT: 7.13 min Scan# 1352
Delta R.T. 0.00 min
Lab File: VL037412.D
Acq: 12 Aug 2021 12:55

Tgt Ion: 84 Resp: 40344
Ion Ratio Lower Upper
84 100
56 211.1 109.6 164.4#
41 0.0 66.6 99.8#





#31

cis-1,2-Dichloroethene

Concen: 0.493 ppbv

RT: 5.55 min Scan# 859

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

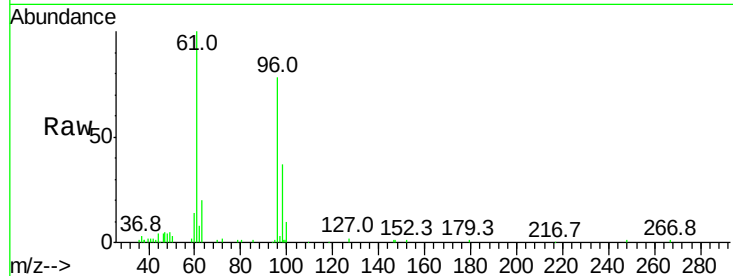
Tgt Ion: 61 Resp: 70484

Ion Ratio Lower Upper

61 100

96 77.8 55.5 83.3

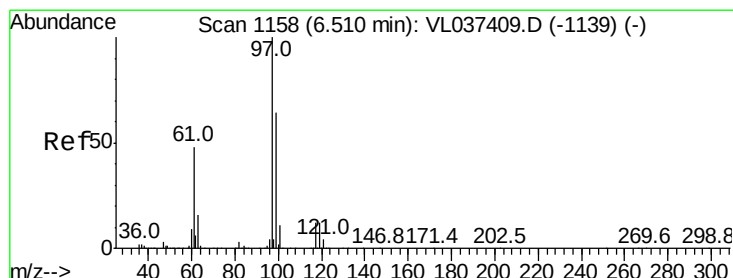
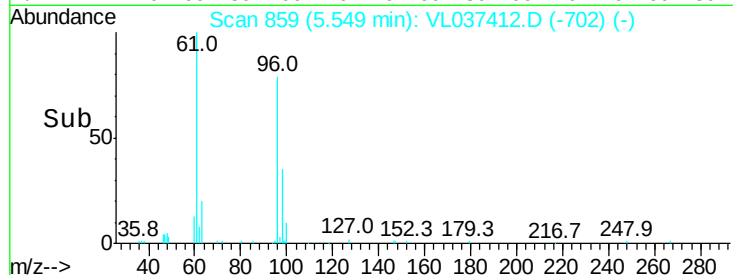
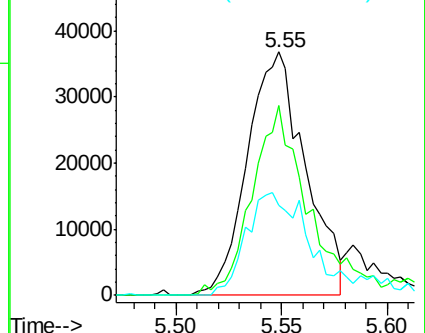
98 38.2 33.1 49.7



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: 0.499 ppbv

RT: 6.50 min Scan# 1156

Delta R.T. -0.01 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

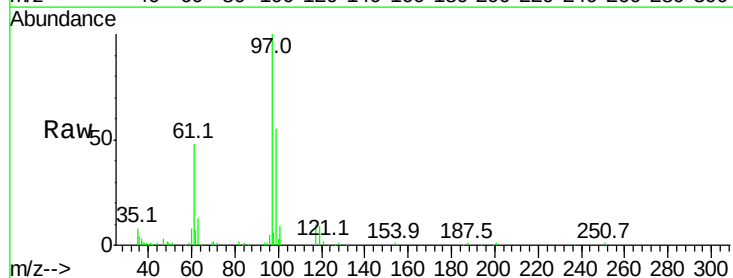
Tgt Ion: 97 Resp: 110710

Ion Ratio Lower Upper

97 100

99 67.4 52.3 78.5

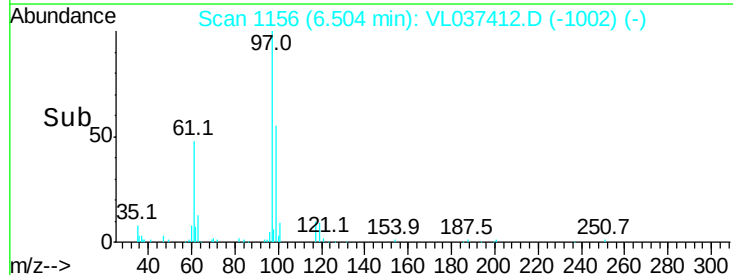
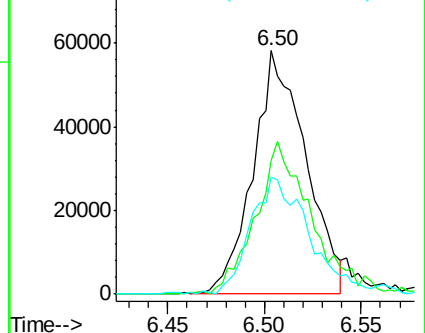
61 54.9 40.1 60.1

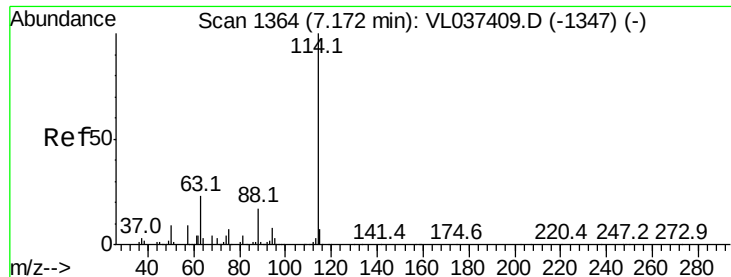


Abundance Ion 97.00 (96.70 to 97.70): VL0

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: 7.17 min Scan# 1364

Delta R.T. 0.00 min

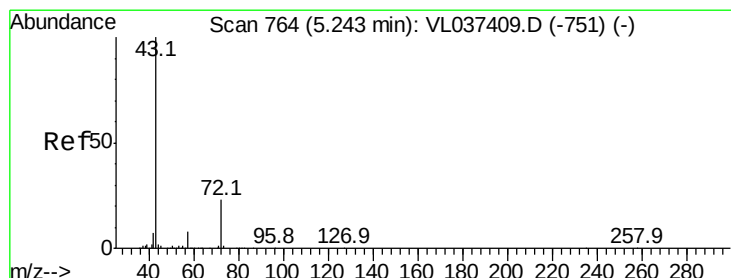
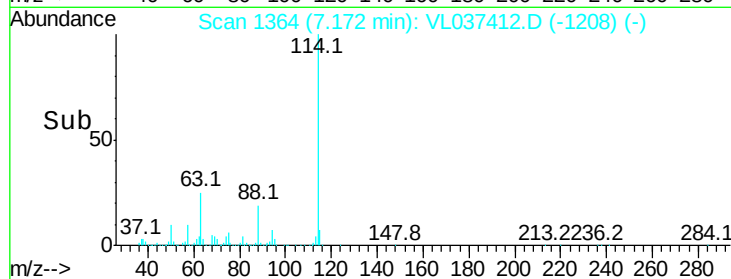
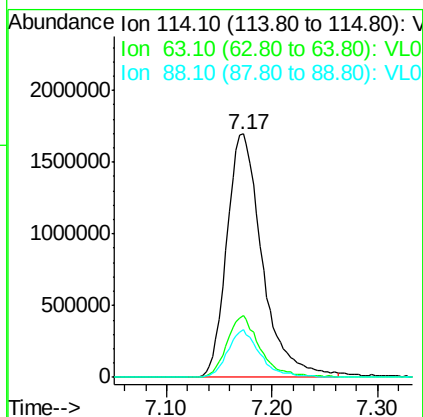
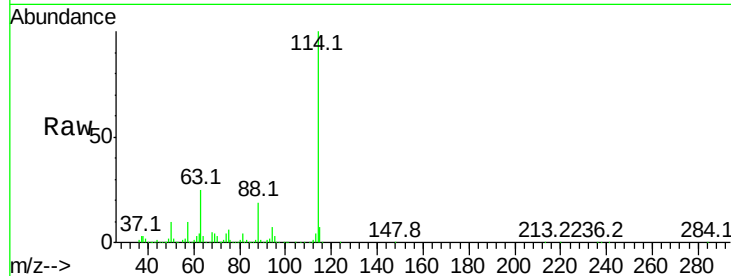
Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:114 Resp: 3961494

Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.4	29.2
88	18.2	14.2	21.4



#34

2-Butanone

Concen: 0.256 ppbv

RT: 5.27 min Scan# 771

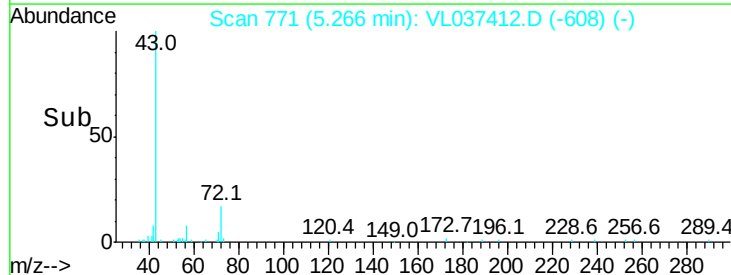
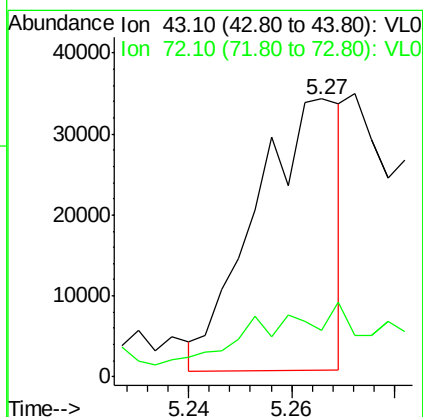
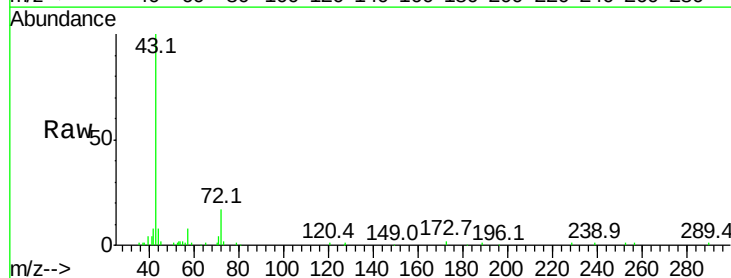
Delta R.T. 0.02 min

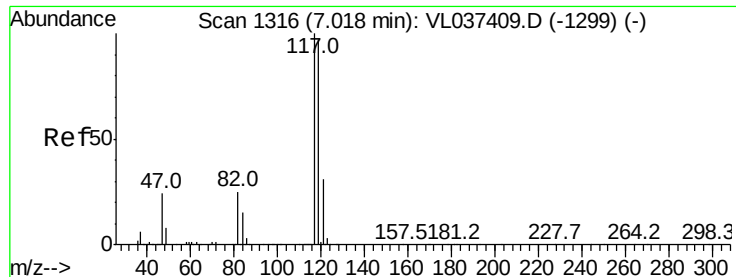
Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Tgt Ion: 43 Resp: 38492

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#





#35

Carbon Tetrachloride

Concen: 0.510 ppbv

RT: 7.01 min Scan# 1315

Delta R.T. -0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

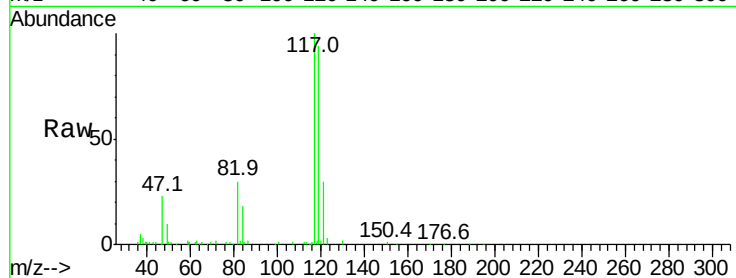
Tgt Ion: 117 Resp: 112623

Ion Ratio Lower Upper

117 100

119 94.4 77.5 116.3

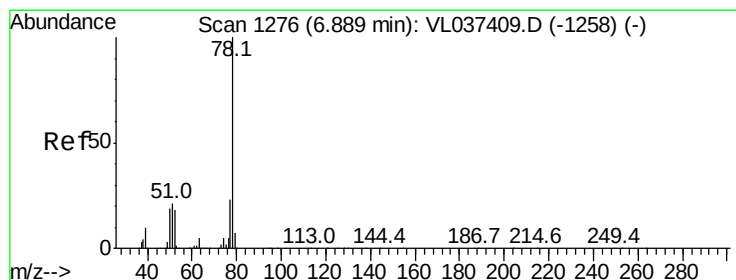
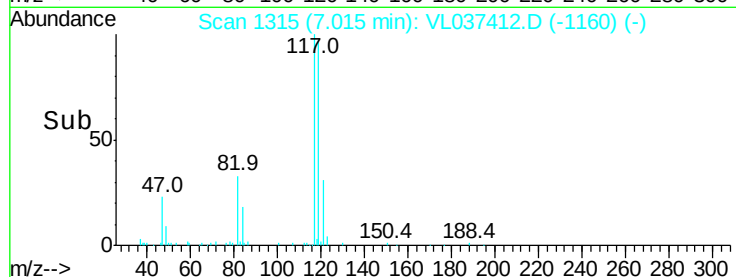
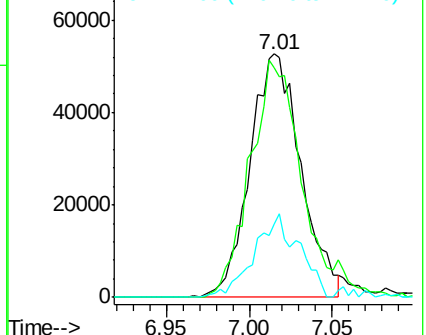
121 30.2 24.7 37.1



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: 0.546 ppbv

RT: 6.89 min Scan# 1276

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

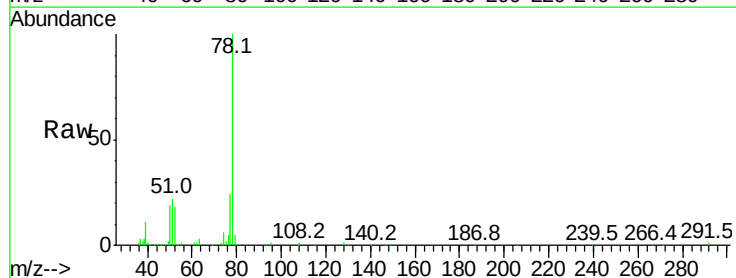
Tgt Ion: 78 Resp: 171615

Ion Ratio Lower Upper

78 100

77 24.3 18.6 27.8

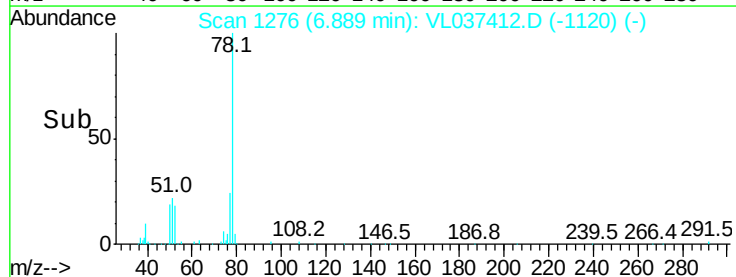
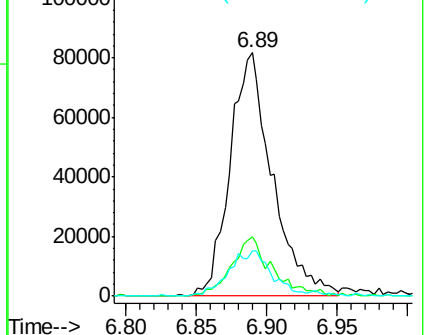
50 18.5 14.9 22.3

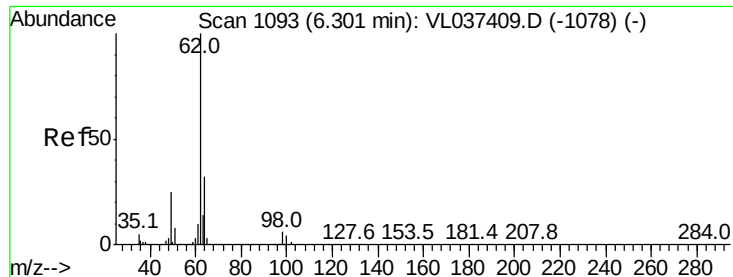


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

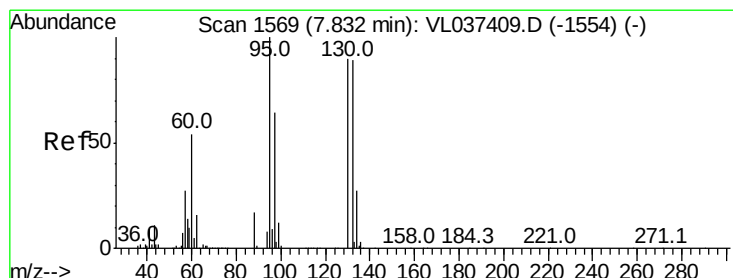
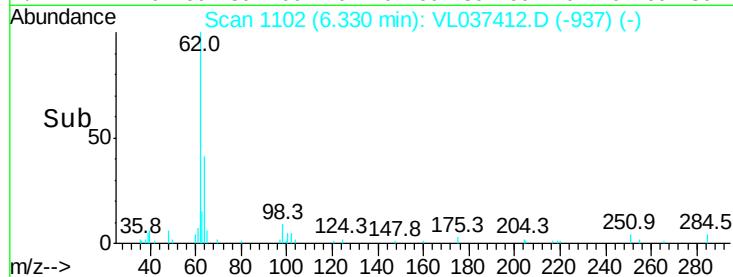
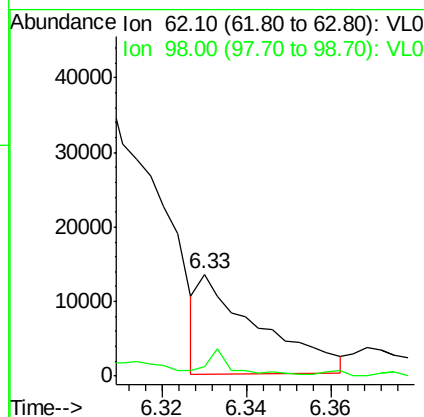
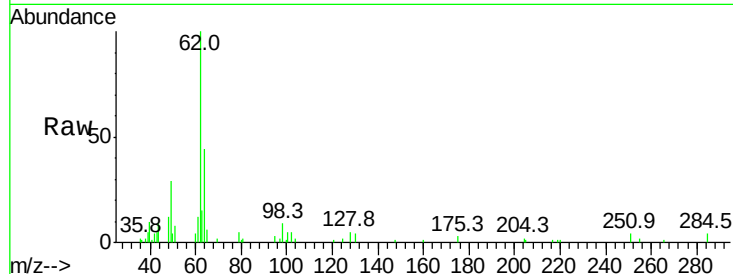




#37
 1,2-Dichloroethane
 Concen: 0.082 ppbv
 RT: 6.33 min Scan# 1102
 Delta R.T. 0.03 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

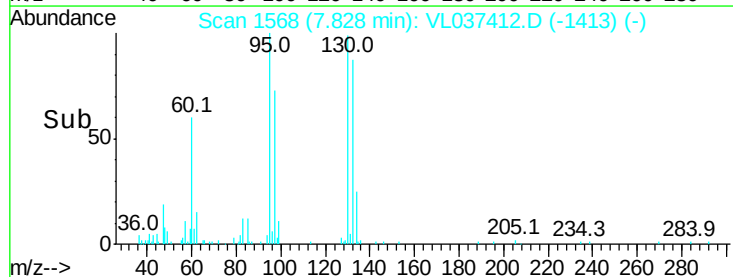
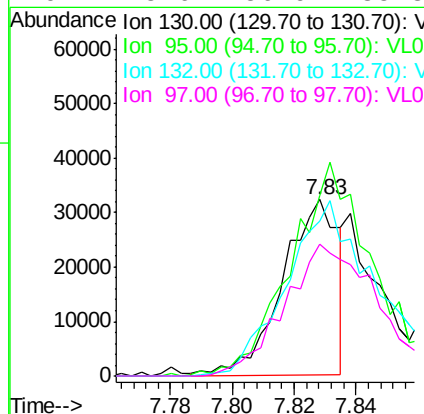
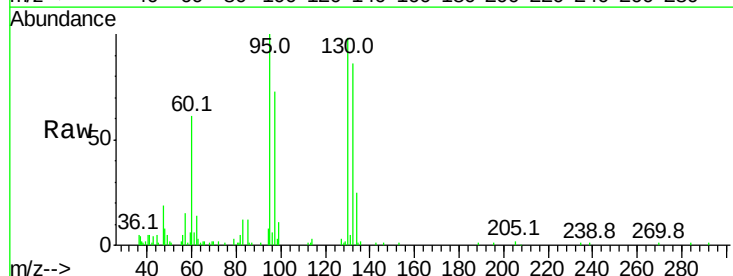
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

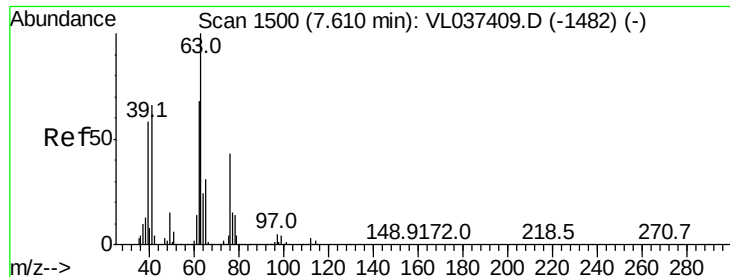
Tgt Ion: 62 Resp: 13155
 Ion Ratio Lower Upper
 62 100
 98 51.0 5.4 8.2#



#38
 Trichloroethene
 Concen: 0.303 ppbv
 RT: 7.83 min Scan# 1568
 Delta R.T. -0.00 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

Tgt Ion: 130 Resp: 40502
 Ion Ratio Lower Upper
 130 100
 95 102.2 88.6 132.8
 132 88.6 79.2 118.8
 97 75.6 56.9 85.3





#39

1,2-Dichloropropane

Concen: 0.162 ppbv

RT: 7.61 min Scan# 1499

Delta R.T. -0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

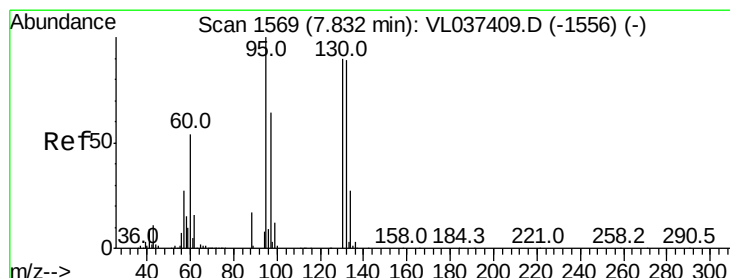
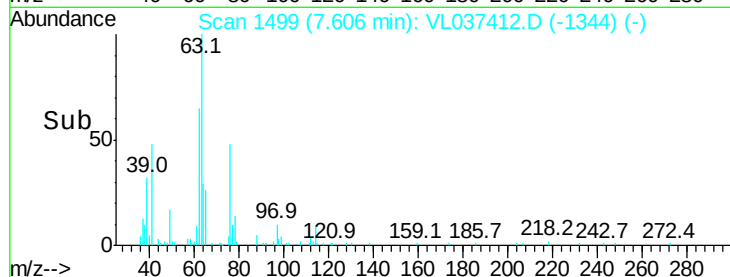
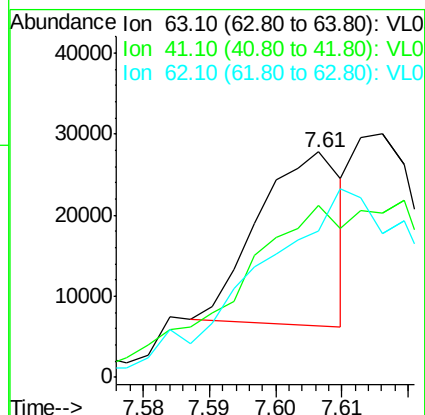
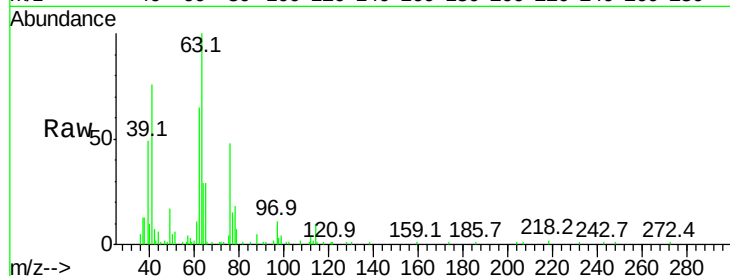
Tgt Ion: 63 Resp: 18673

Ion Ratio Lower Upper

63 100

41 73.2 53.0 79.6

62 67.6 54.5 81.7



#40

1,4-Dioxane

Concen: 0.007 ppbv

RT: 7.85 min Scan# 1574

Delta R.T. 0.02 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Tgt Ion: 88 Resp: 221

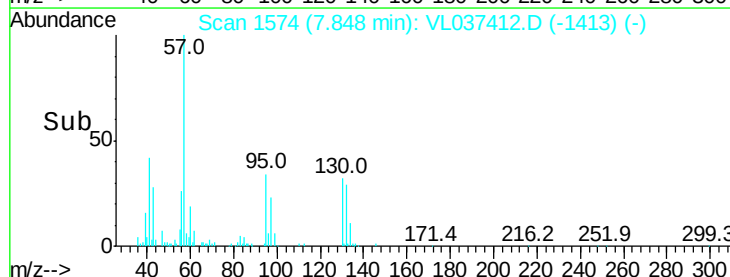
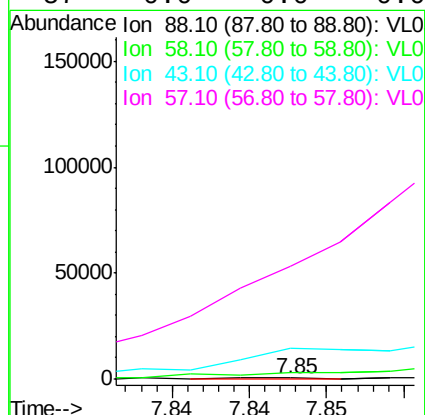
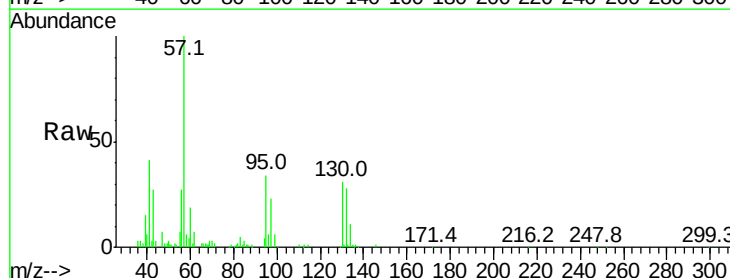
Ion Ratio Lower Upper

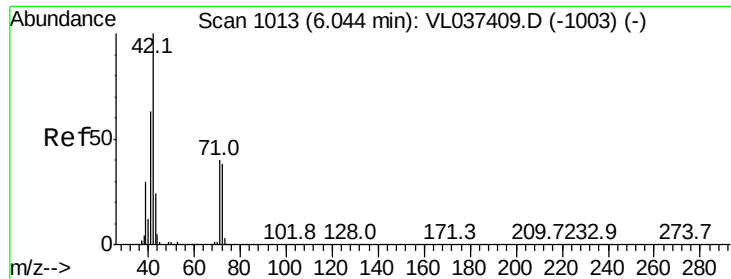
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 0.005 ppbv

RT: 6.05 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

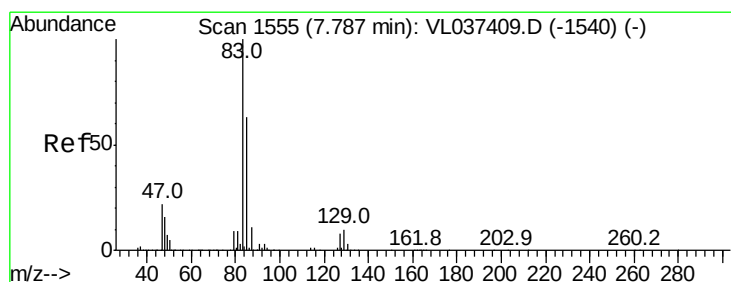
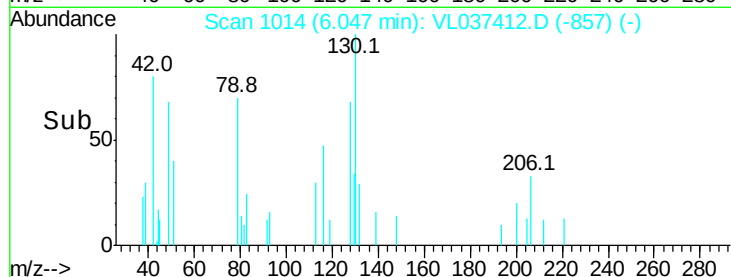
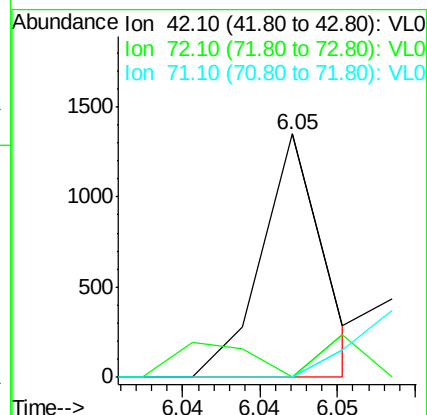
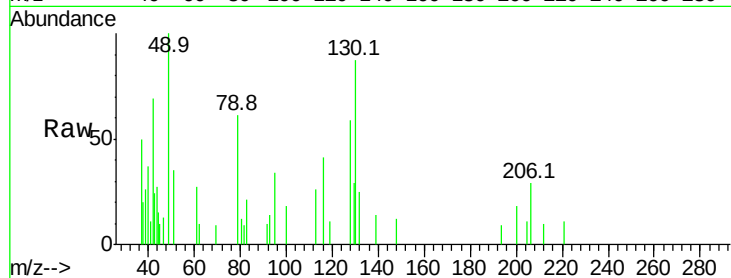
Tgt Ion: 42 Resp: 369

Ion Ratio Lower Upper

42 100

72 0.0 33.5 50.3#

71 0.0 32.6 48.8#



#42

Bromodichloromethane

Concen: 0.487 ppbv

RT: 7.79 min Scan# 1556

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

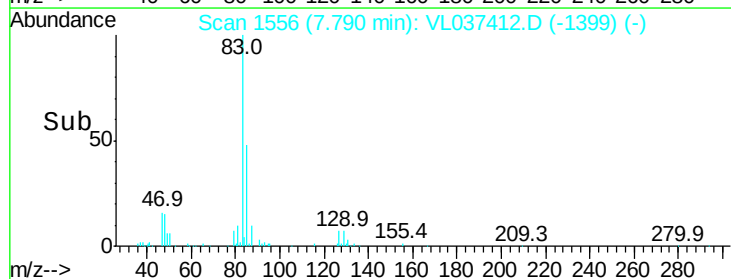
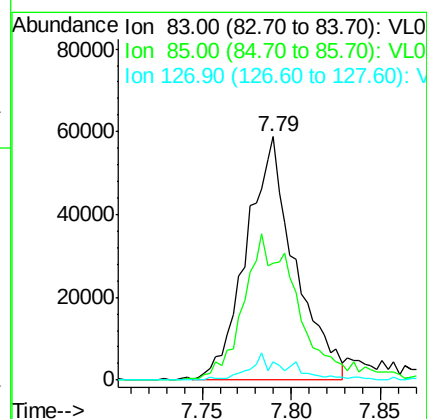
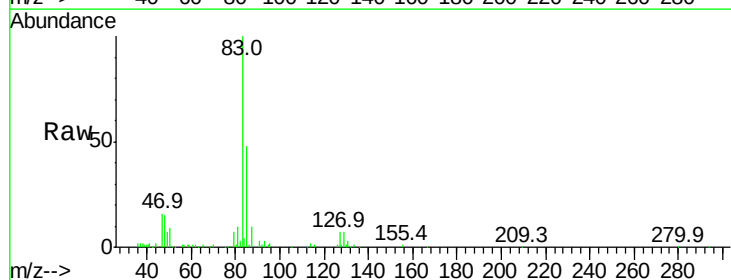
Tgt Ion: 83 Resp: 110692

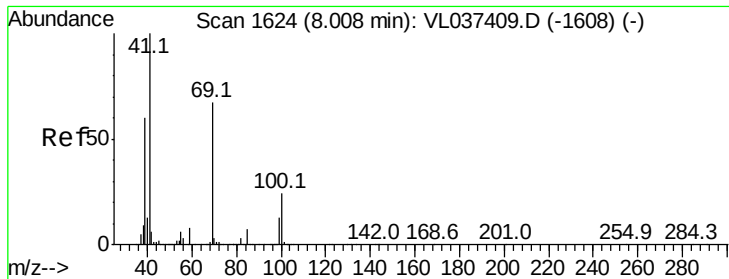
Ion Ratio Lower Upper

83 100

85 47.3 50.2 75.2#

127 7.3 6.6 9.8





#43

Methyl Methacrylate

Concen: 0.188 ppbv

RT: 8.01 min Scan# 1626

Delta R.T. 0.01 min

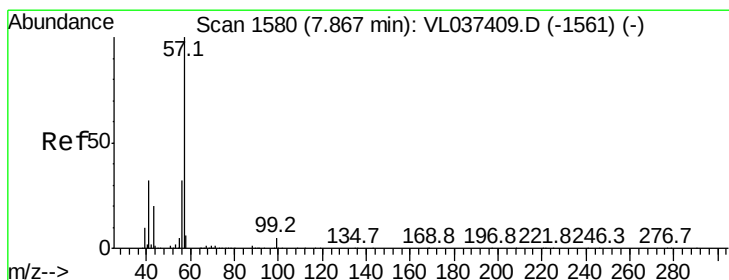
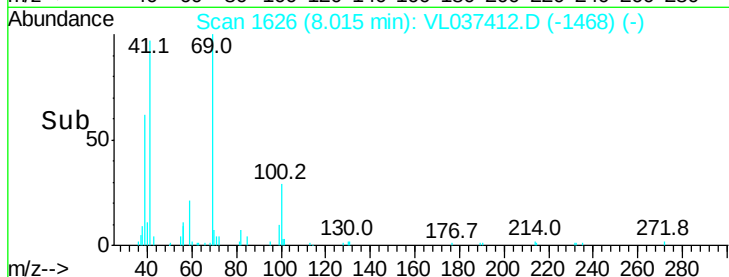
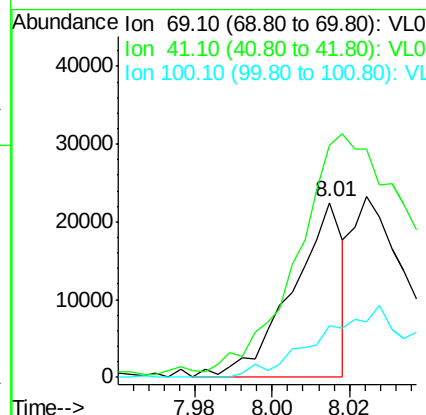
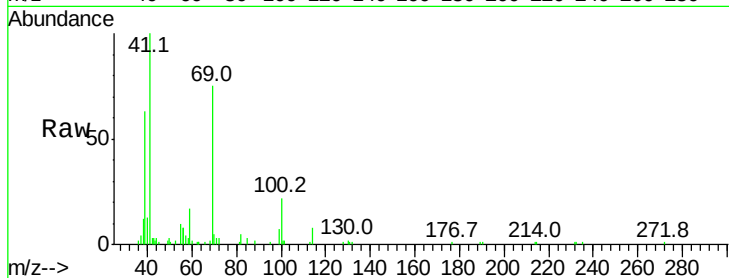
Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 69 Resp: 20520

Ion	Ratio	Lower	Upper
69	100		
41	360.2	118.1	177.1#
100	0.0	27.6	41.4#



#44

2,2,4-Trimethylpentane

Concen: 0.539 ppbv

RT: 7.87 min Scan# 1580

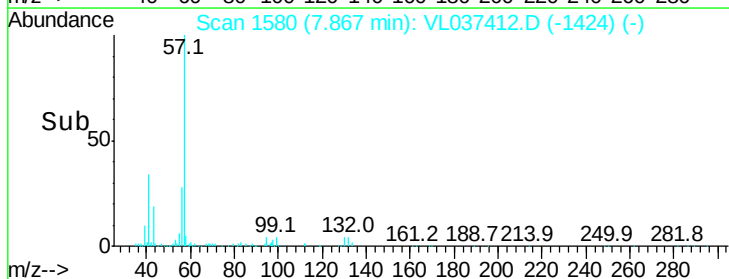
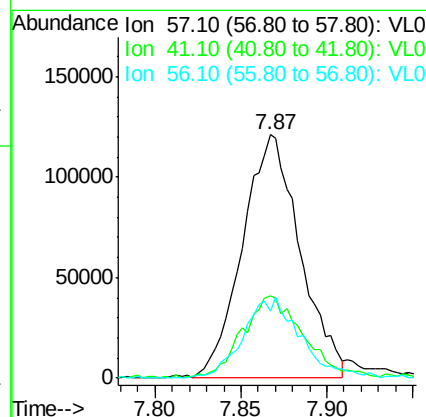
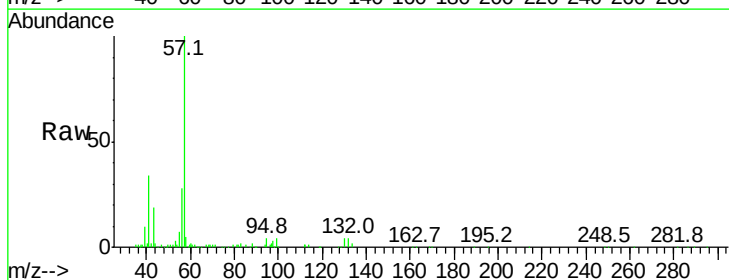
Delta R.T. 0.00 min

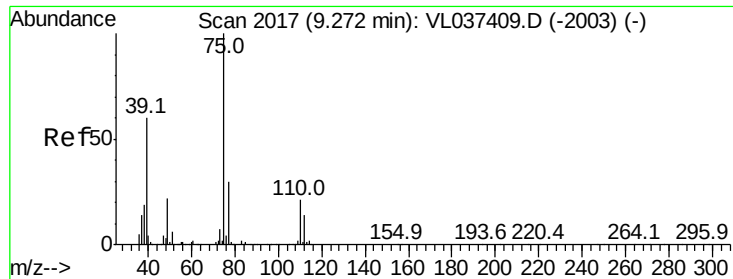
Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Tgt Ion: 57 Resp: 282553

Ion	Ratio	Lower	Upper
57	100		
41	36.2	26.4	39.6
56	33.6	25.0	37.4





#45

t-1,3-Dichloropropene

Concen: 0.080 ppbv

RT: 9.28 min Scan# 2018

Delta R.T. 0.00 min

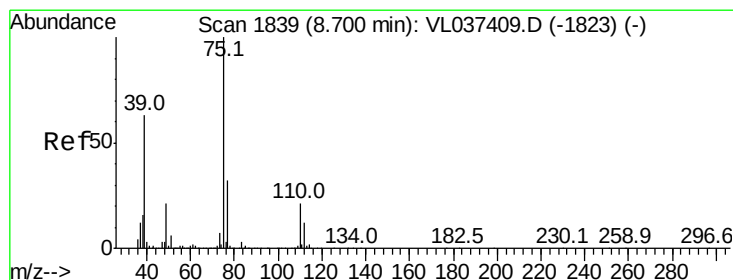
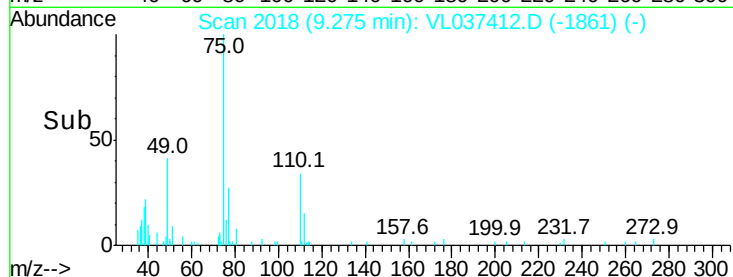
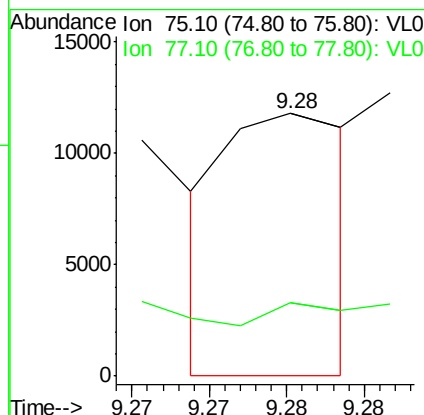
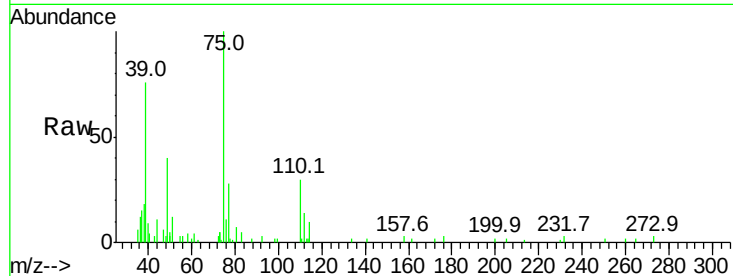
Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion: 75 Resp: 6567

Ion	Ratio	Lower	Upper
75	100		
77	28.2	24.2	36.2



#46

cis-1,3-Dichloropropene

Concen: 0.232 ppbv

RT: 8.70 min Scan# 1838

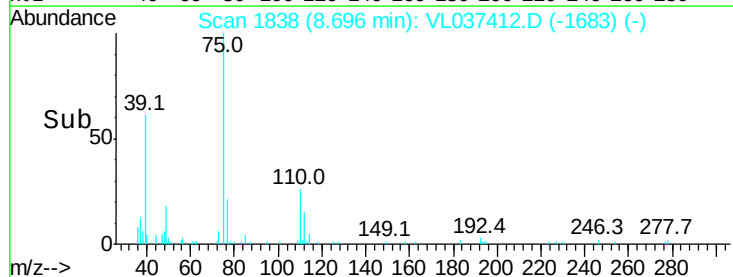
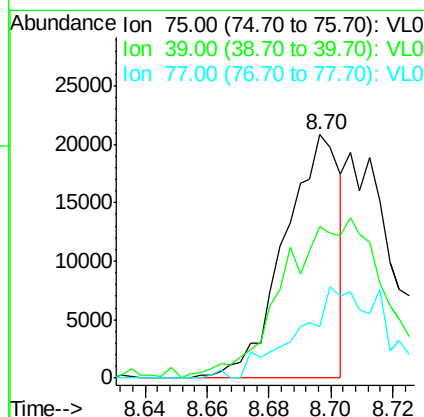
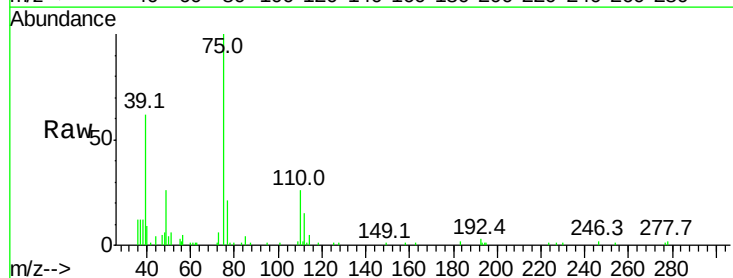
Delta R.T. -0.00 min

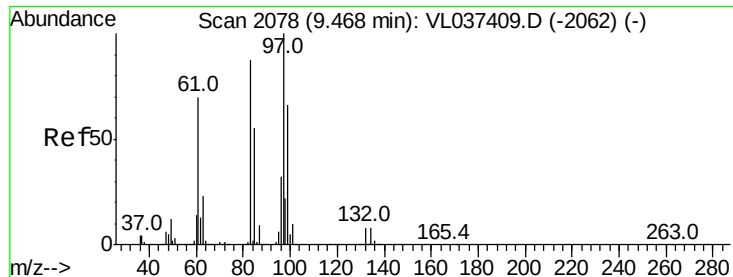
Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Tgt Ion: 75 Resp: 25728

Ion	Ratio	Lower	Upper
75	100		
39	60.8	50.1	75.1
77	21.2	25.8	38.8#

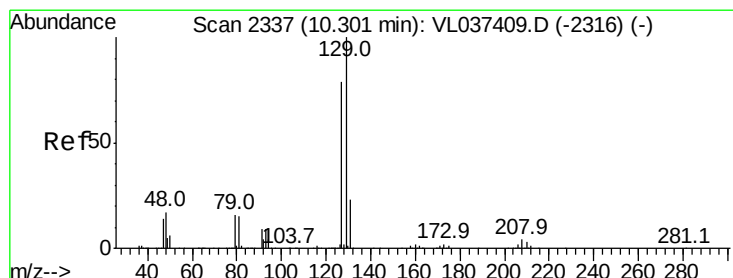
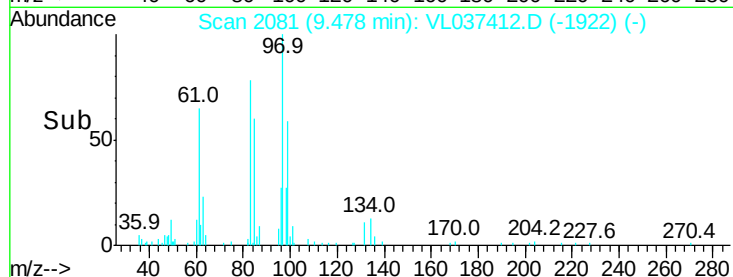
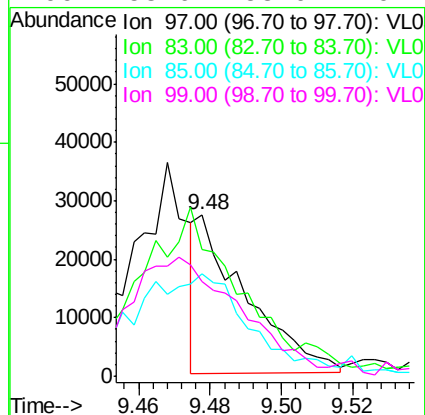
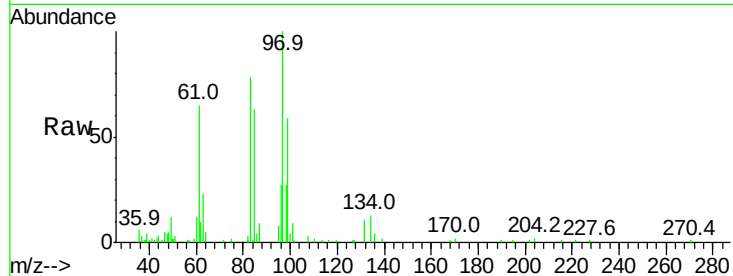




#47
 1,1,2-Trichloroethane
 Concen: 0.200 ppbv
 RT: 9.48 min Scan# 2081
 Delta R.T. 0.01 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

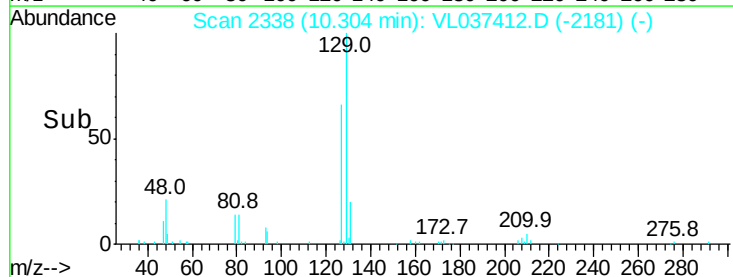
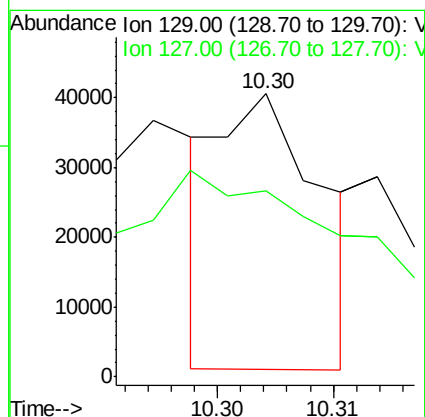
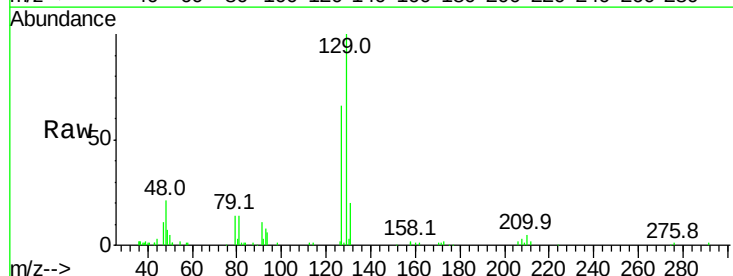
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

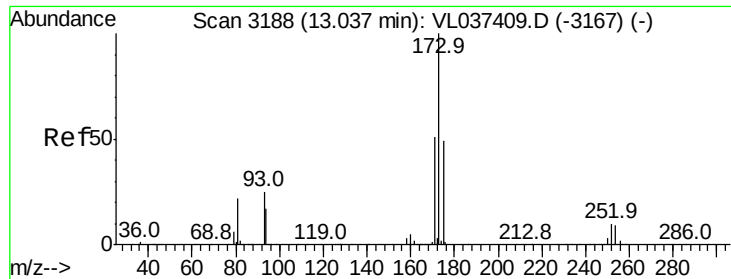
Tgt Ion: 97 Resp: 25912
 Ion Ratio Lower Upper
 97 100
 83 74.6 69.5 104.3
 85 60.6 43.8 65.8
 99 53.6 53.0 79.4



#48
 Dibromochloromethane
 Concen: 0.127 ppbv
 RT: 10.30 min Scan# 2338
 Delta R.T. 0.00 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

Tgt Ion: 129 Resp: 24188
 Ion Ratio Lower Upper
 129 100
 127 0.0 39.6 118.8#





#49

Bromoform

Concen: 0.166 ppbv

RT: 13.04 min Scan# 3189

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

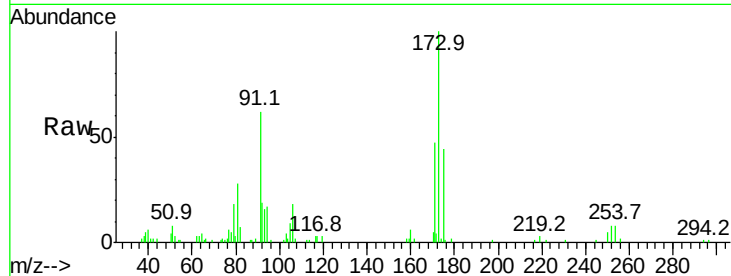
Tgt Ion:173 Resp: 24856

Ion Ratio Lower Upper

173 100

175 122.5 39.9 59.9#

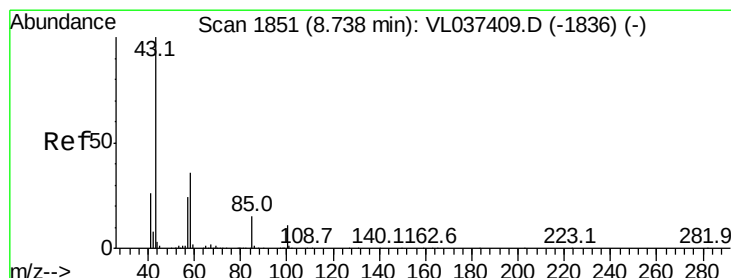
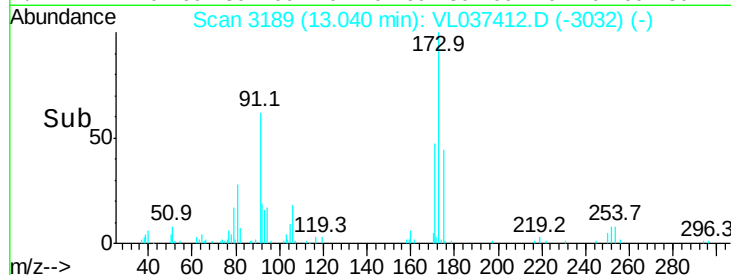
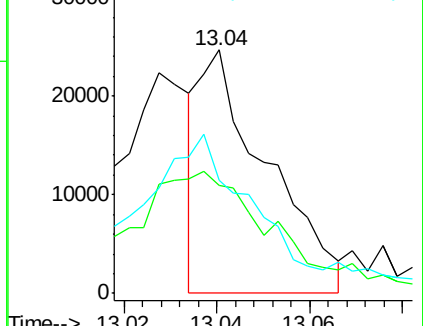
171 127.6 41.4 62.2#



Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V



#50

4-Methyl-2-Pentanone

Concen: 0.029 ppbv

RT: 8.75 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VL037412.D

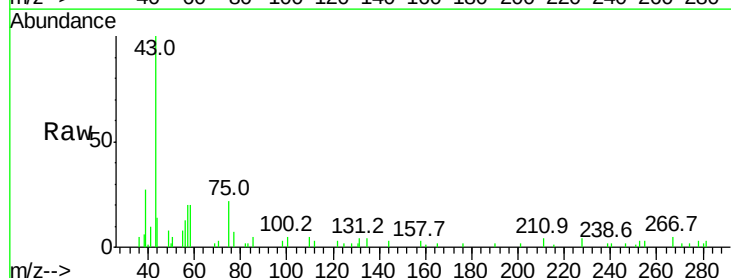
Acq: 12 Aug 2021 12:55

Tgt Ion: 43 Resp: 5763

Ion Ratio Lower Upper

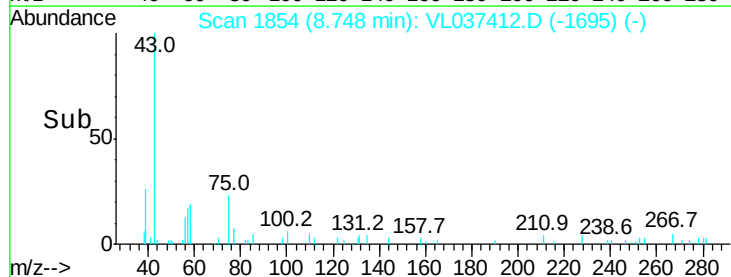
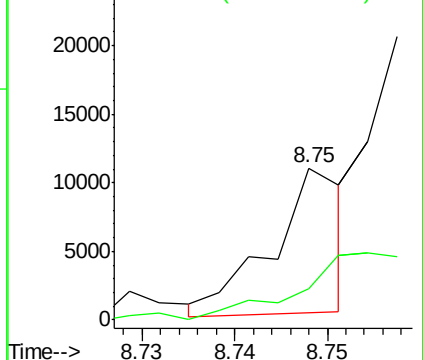
43 100

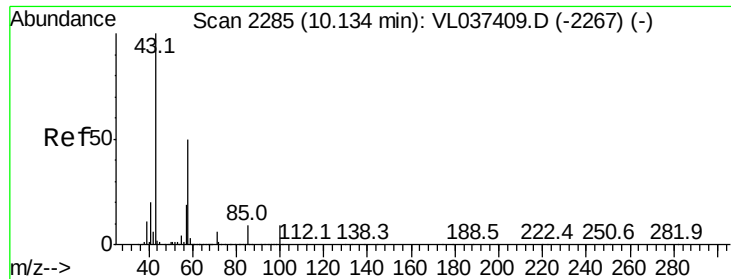
58 0.0 29.9 44.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

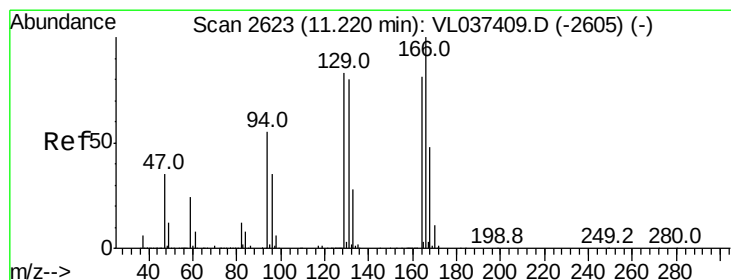
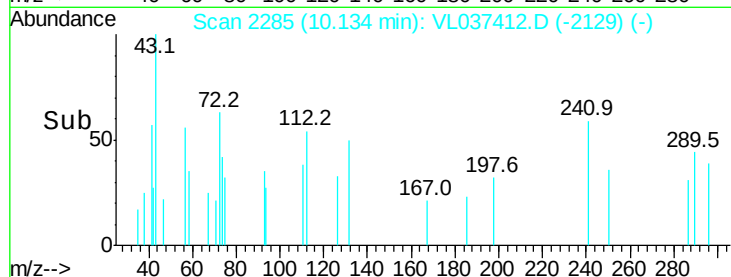
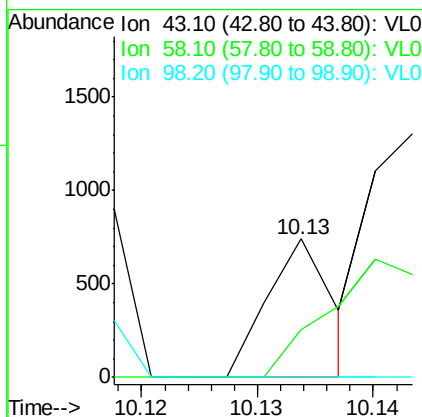
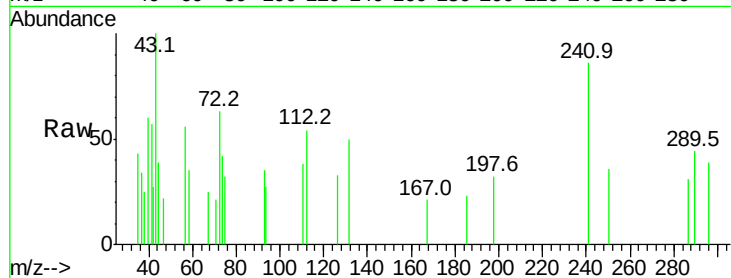




#51
 2-Hexanone
 Concen: 0.003 ppbv
 RT: 10.13 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

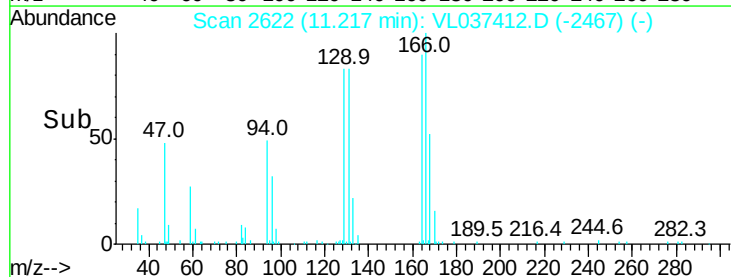
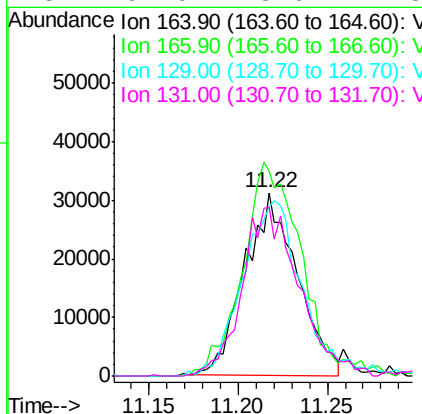
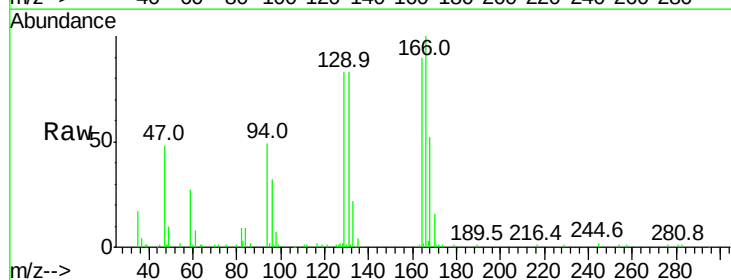
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

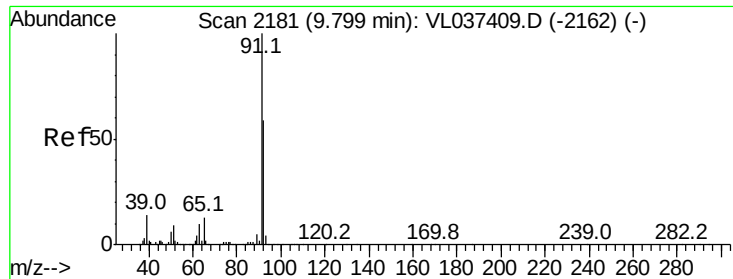
Tgt Ion: 43 Resp: 290
 Ion Ratio Lower Upper
 43 100
 58 0.0 39.9 59.9#
 98 0.0 0.2 0.2#



#52
 Tetrachloroethene
 Concen: 0.502 ppbv
 RT: 11.22 min Scan# 2622
 Delta R.T. -0.00 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

Tgt Ion: 164 Resp: 64290
 Ion Ratio Lower Upper
 164 100
 166 111.7 98.6 147.8
 129 91.1 82.0 123.0
 131 92.0 78.6 117.8





#53

Toluene

Concen: 0.254 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

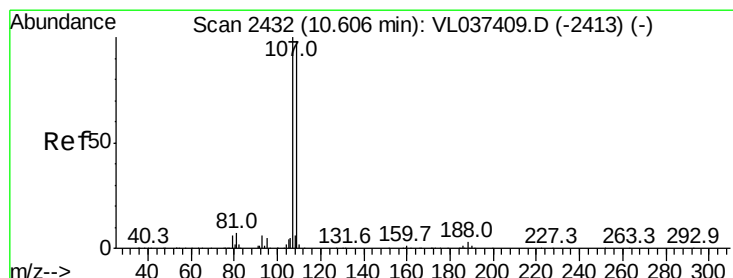
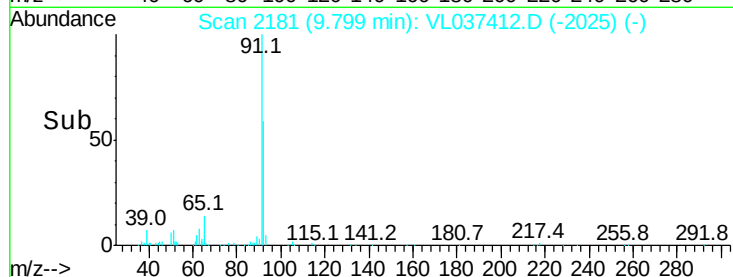
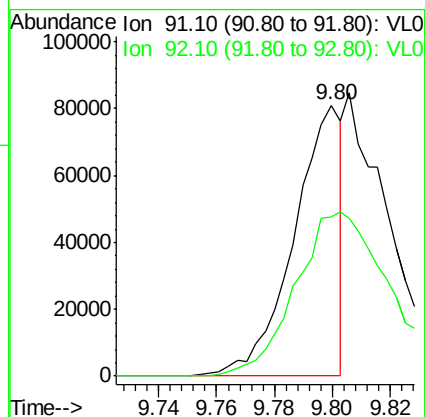
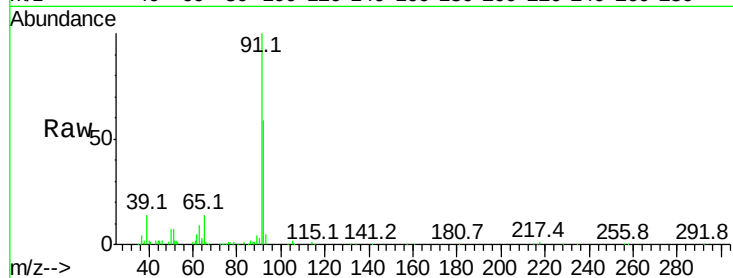
VSTDIC0.5

Tgt Ion: 91 Resp: 92778

Ion Ratio Lower Upper

91 100

92 0.0 49.0 73.6#



#54

1,2-Dibromoethane

Concen: 0.252 ppbv

RT: 10.60 min Scan# 2431

Delta R.T. -0.00 min

Lab File: VL037412.D

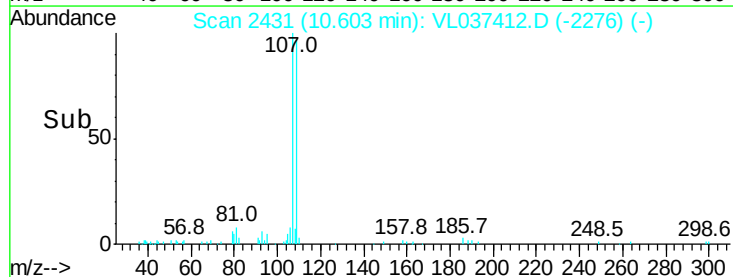
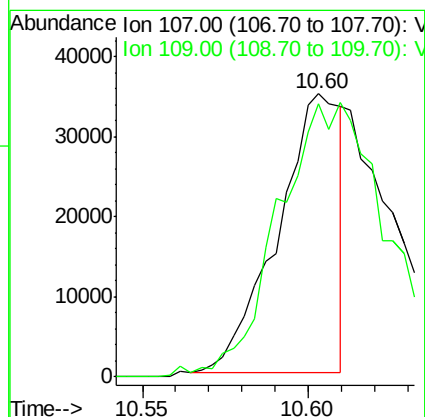
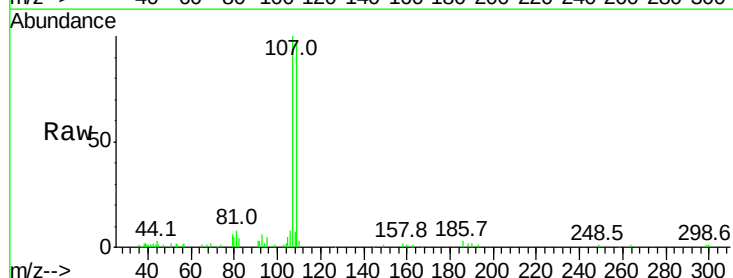
Acq: 12 Aug 2021 12:55

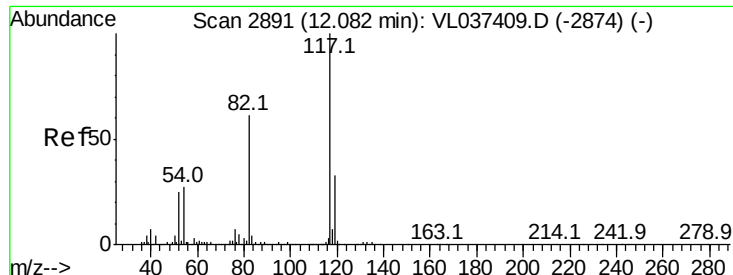
Tgt Ion: 107 Resp: 46237

Ion Ratio Lower Upper

107 100

109 96.3 78.4 117.6

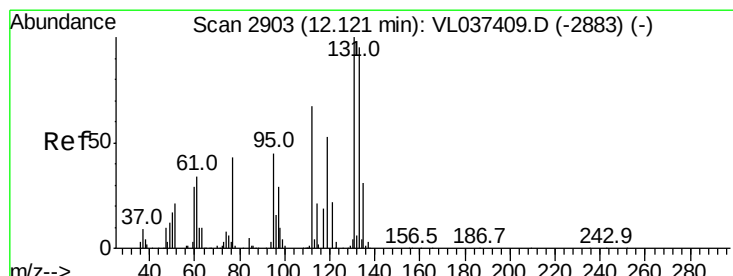
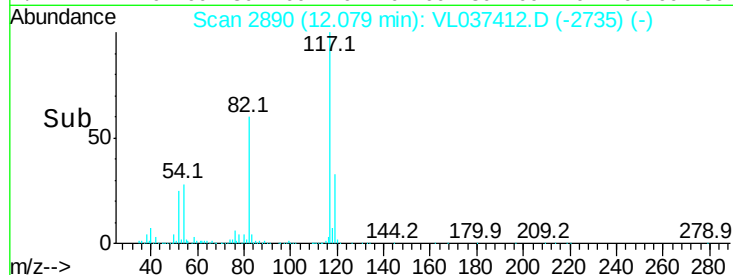
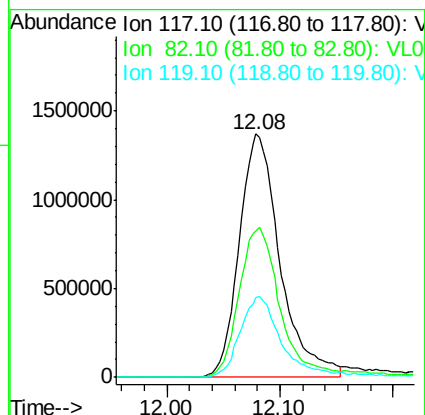
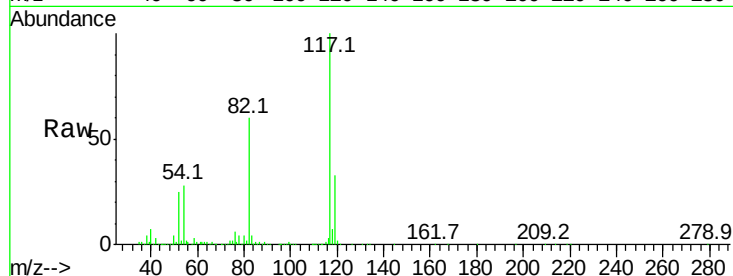




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.00 min
Lab File: VL037412.D
Acq: 12 Aug 2021 12:55

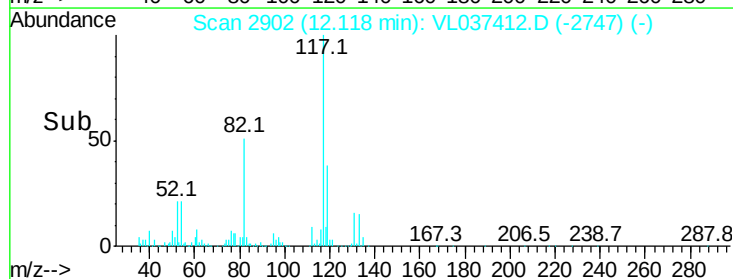
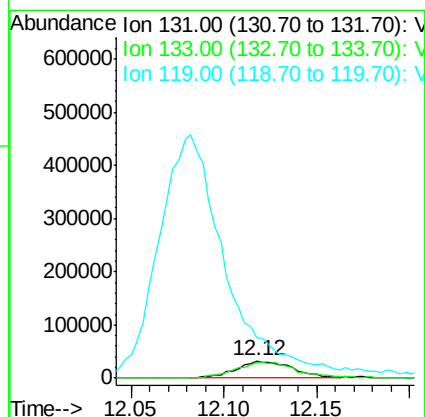
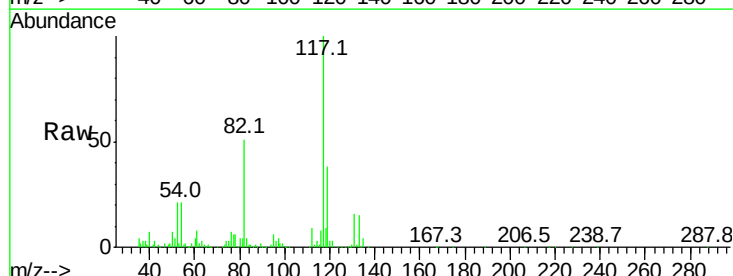
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

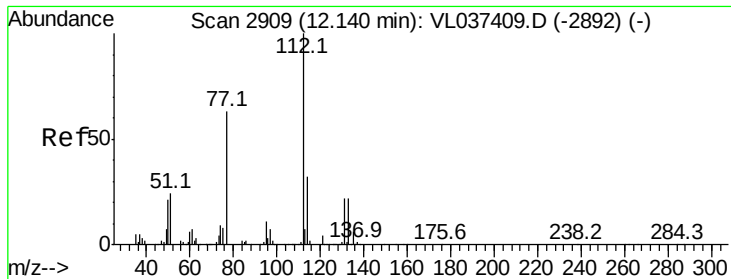
Tgt Ion:117 Resp: 3441228
Ion Ratio Lower Upper
117 100
82 64.5 53.1 79.7
119 35.2 28.0 42.0



#56
1,1,1,2-Tetrachloroethane
Concen: 0.485 ppbv
RT: 12.12 min Scan# 2902
Delta R.T. -0.00 min
Lab File: VL037412.D
Acq: 12 Aug 2021 12:55

Tgt Ion:131 Resp: 64518
Ion Ratio Lower Upper
131 100
133 112.6 77.1 115.7
119 1911.2 59.7 89.5#





#57

Chlorobenzene

Concen: 0.431 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

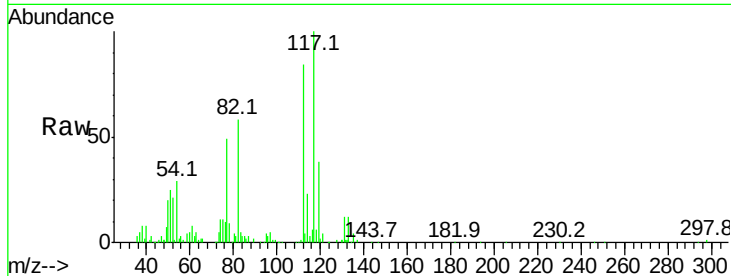
Tgt Ion:112 Resp: 114577

Ion Ratio Lower Upper

112 100

77 44.2 50.0 75.0#

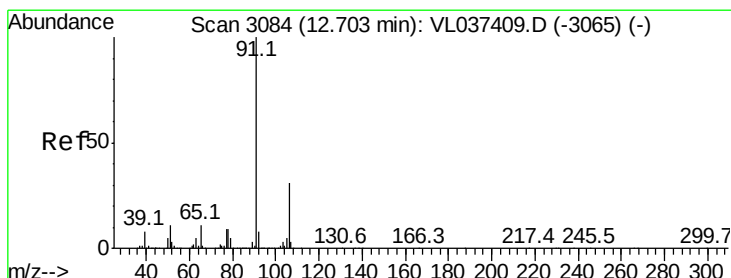
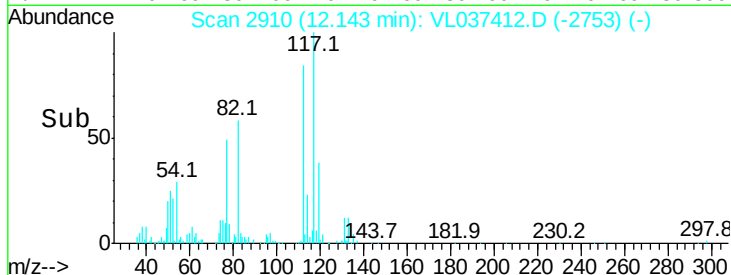
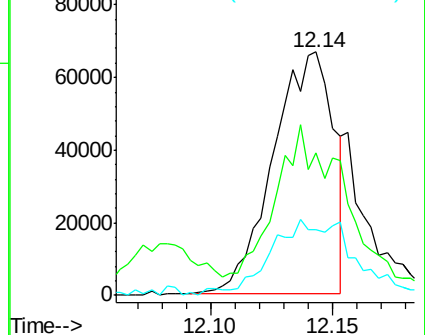
114 26.2 28.5 34.9#



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: 0.485 ppbv

RT: 12.71 min Scan# 3085

Delta R.T. 0.00 min

Lab File: VL037412.D

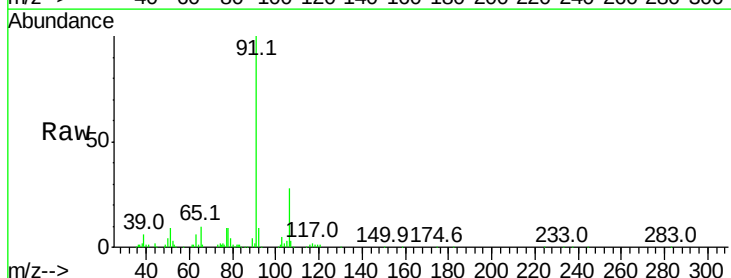
Acq: 12 Aug 2021 12:55

Tgt Ion: 91 Resp: 222976

Ion Ratio Lower Upper

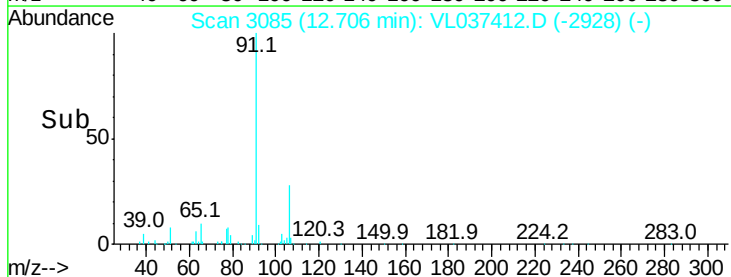
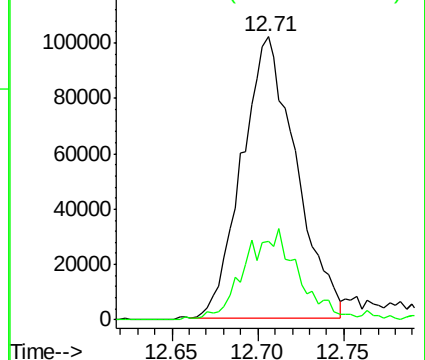
91 100

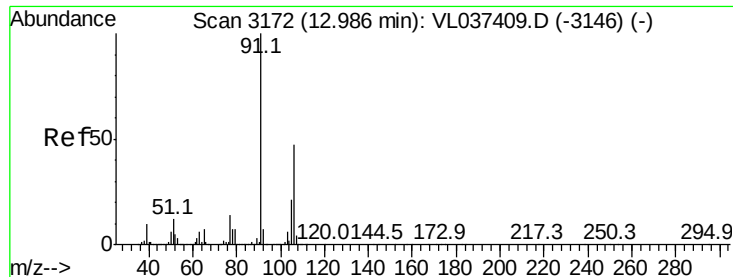
106 27.6 24.7 37.1



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

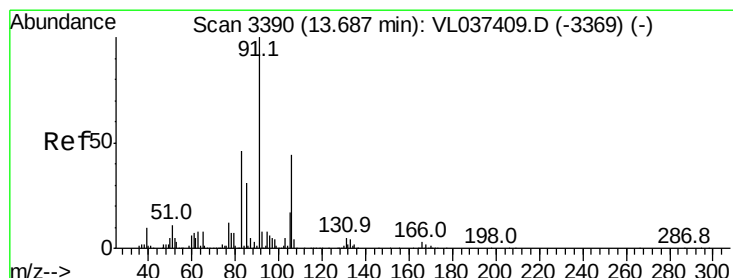
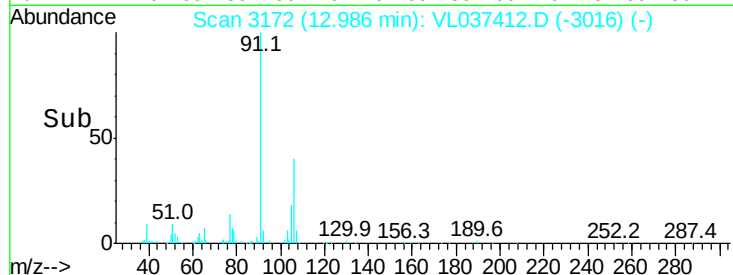
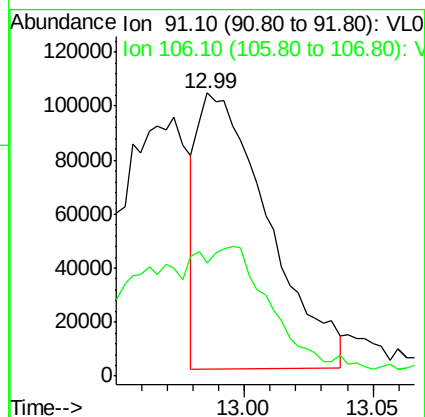
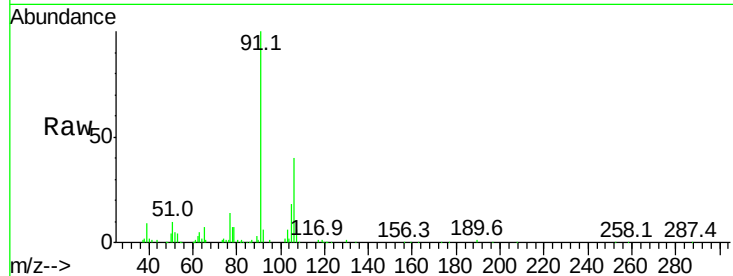




#59
m/p-Xylene
Concen: 0.489 ppbv
RT: 12.99 min Scan# 3172
Delta R.T. 0.00 min
Lab File: VL037412.D
Acq: 12 Aug 2021 12:55

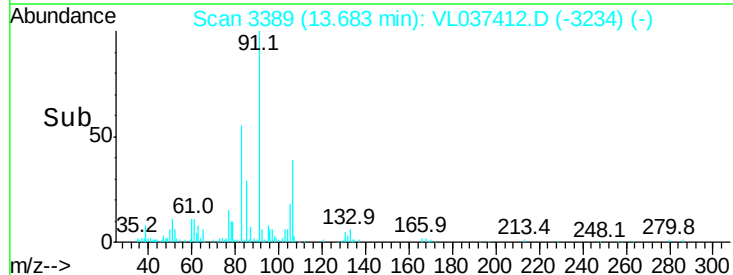
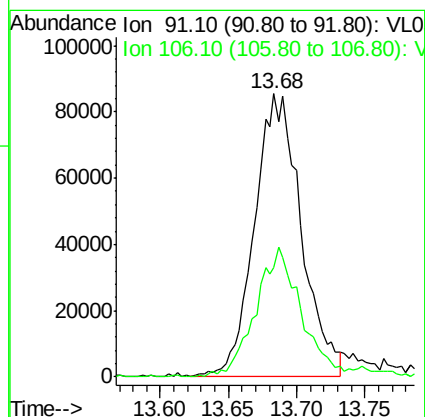
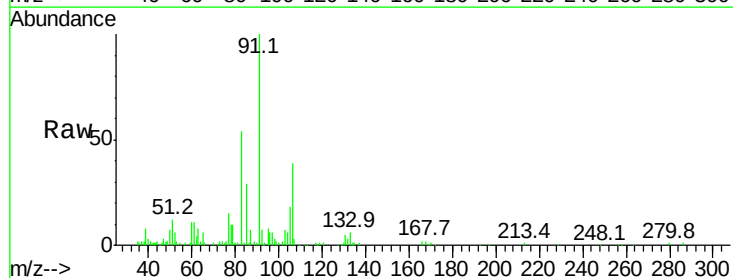
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

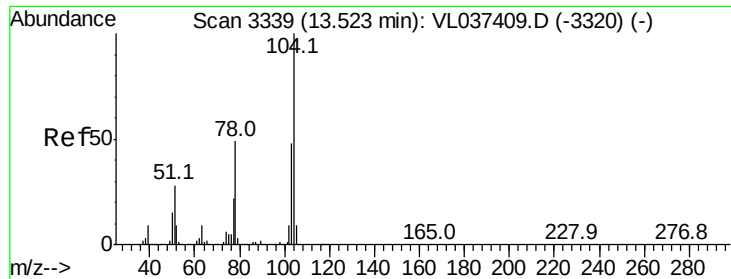
Tgt Ion: 91 Resp: 193503
Ion Ratio Lower Upper
91 100
106 97.4 36.6 54.8#



#60
o-Xylene
Concen: 0.554 ppbv
RT: 13.68 min Scan# 3389
Delta R.T. -0.00 min
Lab File: VL037412.D
Acq: 12 Aug 2021 12:55

Tgt Ion: 91 Resp: 203266
Ion Ratio Lower Upper
91 100
106 46.8 24.1 72.2





#61

Styrene

Concen: 0.198 ppbv

RT: 13.52 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

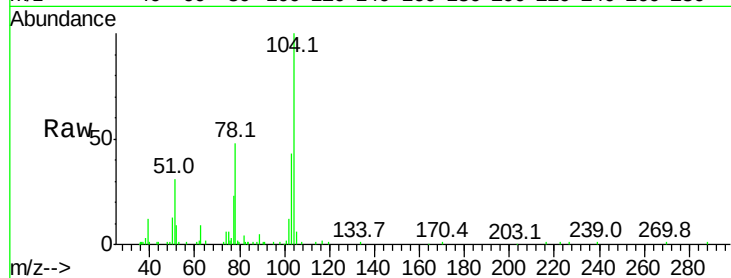
Tgt Ion:104 Resp: 37689

Ion Ratio Lower Upper

104 100

78 0.0 41.5 62.3#

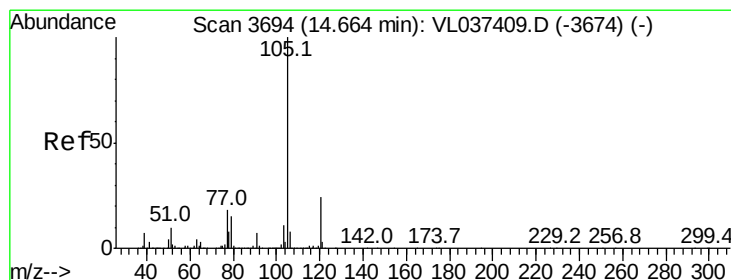
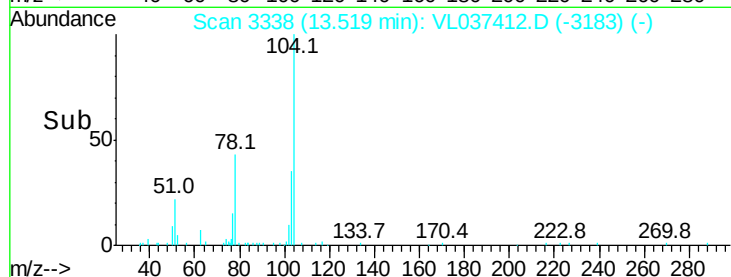
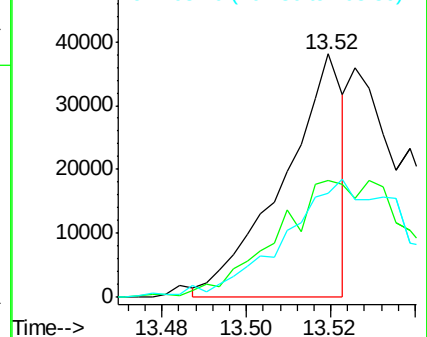
103 0.0 40.2 60.2#



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: 0.557 ppbv

RT: 14.66 min Scan# 3693

Delta R.T. -0.00 min

Lab File: VL037412.D

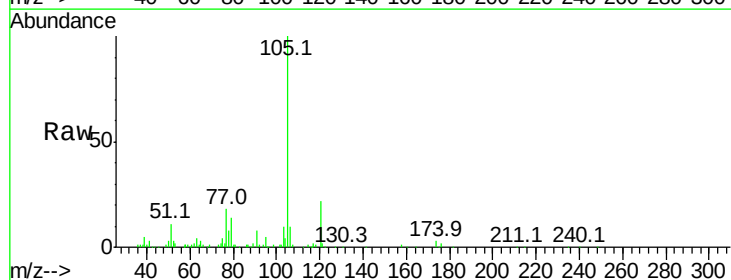
Acq: 12 Aug 2021 12:55

Tgt Ion:105 Resp: 287803

Ion Ratio Lower Upper

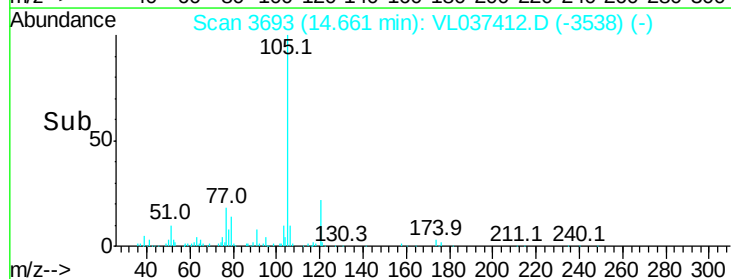
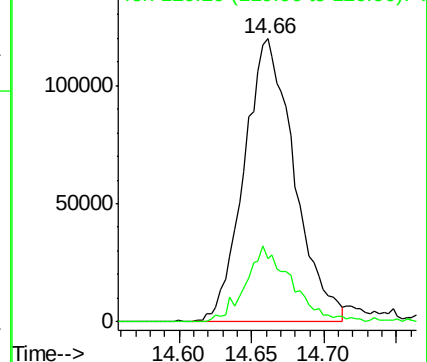
105 100

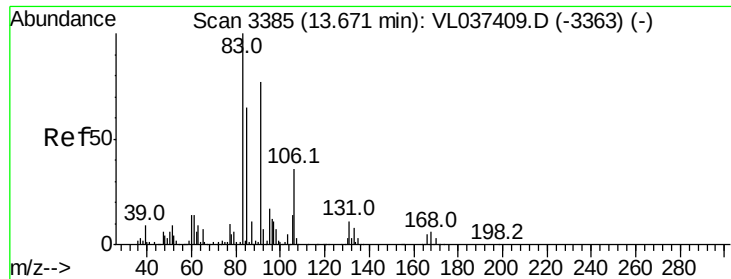
120 24.9 21.6 32.4



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: 0.489 ppbv

RT: 13.67 min Scan# 3386

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

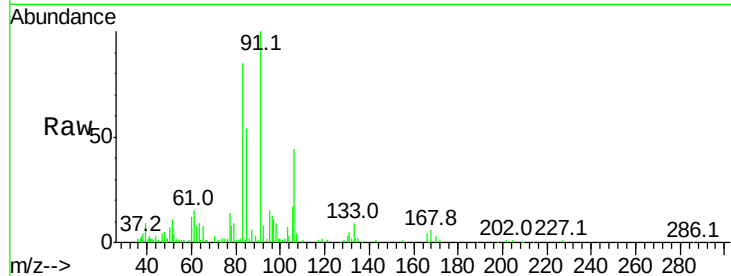
Tgt Ion: 83 Resp: 135629

Ion Ratio Lower Upper

83 100

131 10.9 5.1 15.4

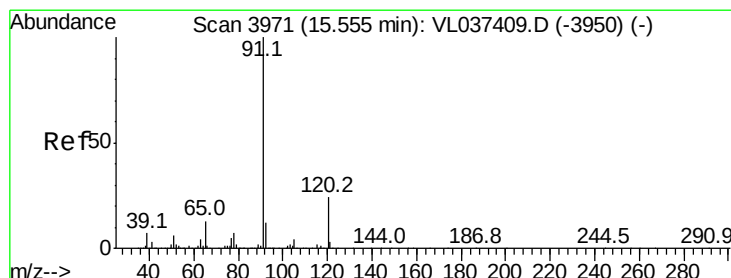
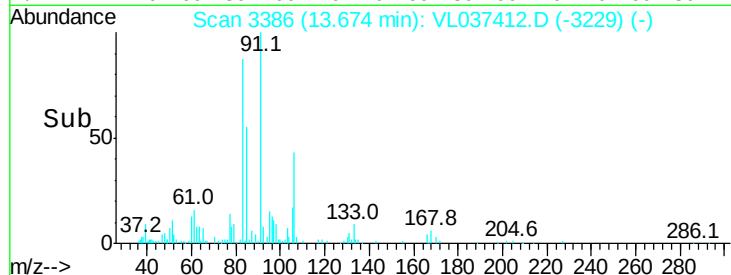
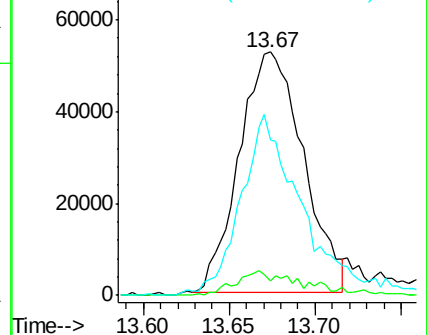
85 72.2 33.4 100.2



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: 0.382 ppbv

RT: 15.55 min Scan# 3971

Delta R.T. 0.00 min

Lab File: VL037412.D

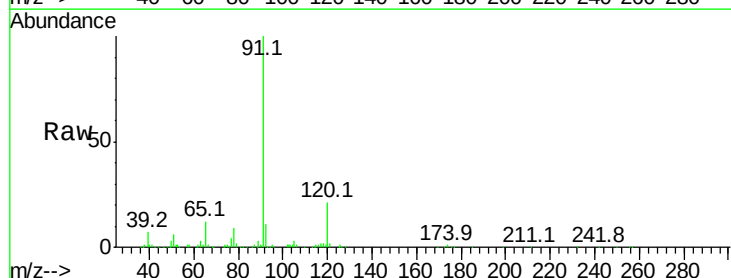
Acq: 12 Aug 2021 12:55

Tgt Ion: 120 Resp: 50127

Ion Ratio Lower Upper

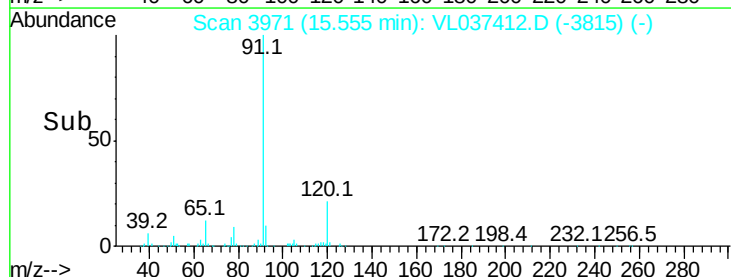
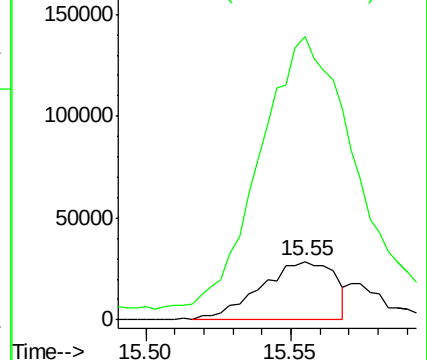
120 100

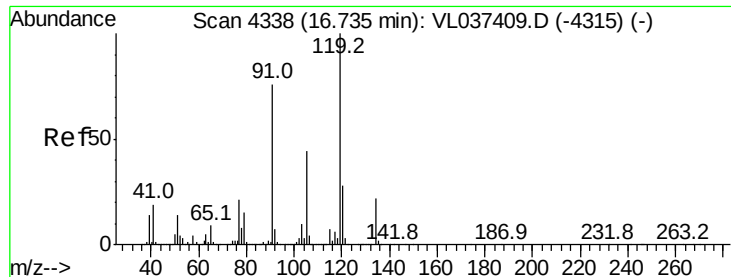
91 709.1 388.4 582.6#



Abundance Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 0.552 ppbv

RT: 16.74 min Scan# 4340

Delta R.T. 0.01 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

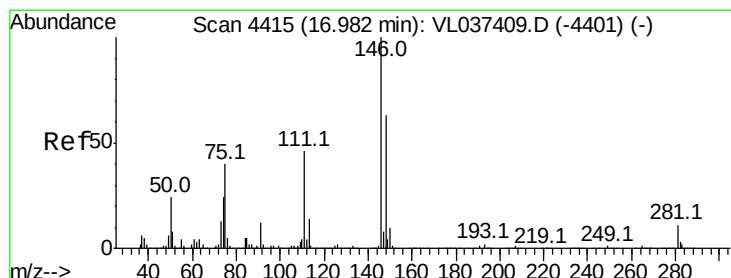
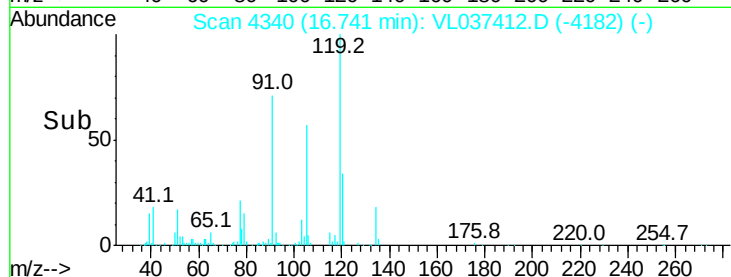
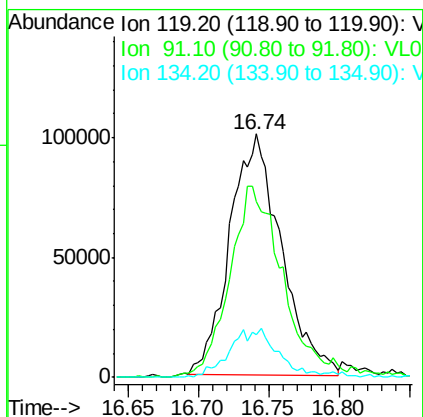
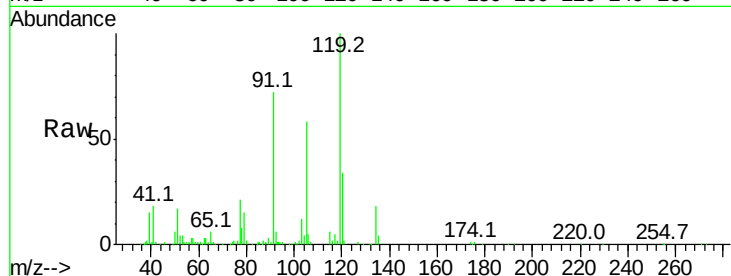
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:	119	Resp:	257047
Ion	Ratio	Lower	Upper
119	100		
91	83.7	62.2	93.4
134	19.6	16.1	24.1



#66

Benzyl Chloride

Concen: 0.135 ppbv

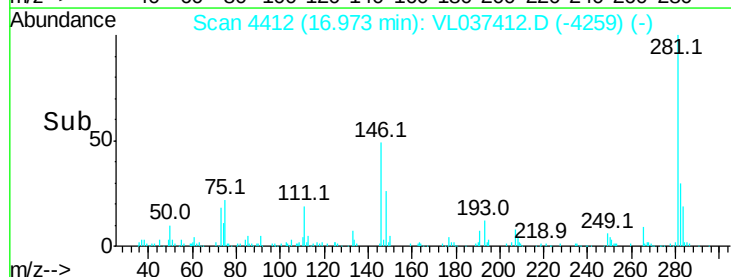
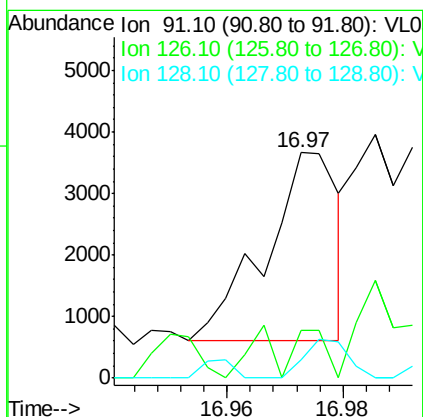
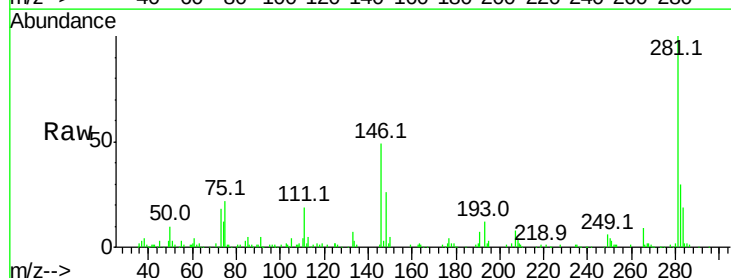
RT: 16.97 min Scan# 4412

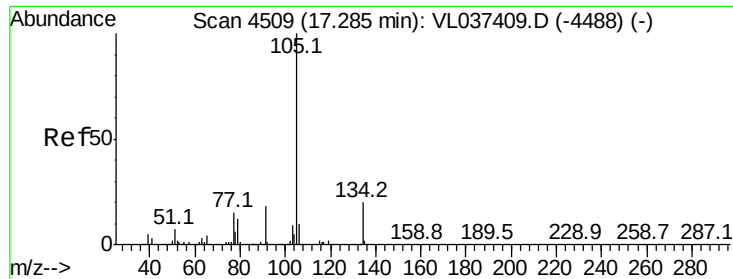
Delta R.T. -0.01 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Tgt Ion:	91	Resp:	2657
Ion	Ratio	Lower	Upper
91	100		
126	23.3	14.3	21.5#
128	24.0	4.6	7.0#





#67

sec-Butylbenzene

Concen: 0.515 ppbv

RT: 17.28 min Scan# 4509

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

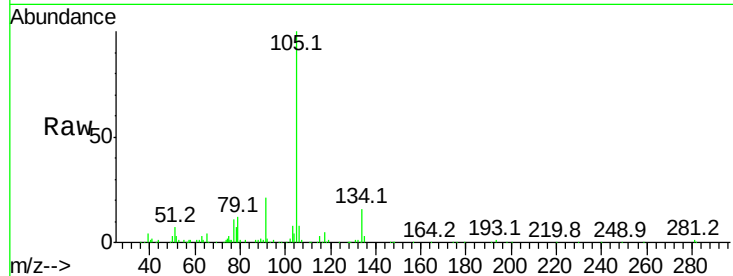
VSTDIC0.5

Tgt Ion: 105 Resp: 329669

Ion Ratio Lower Upper

105 100

134 18.9 15.4 23.0



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V

17.28

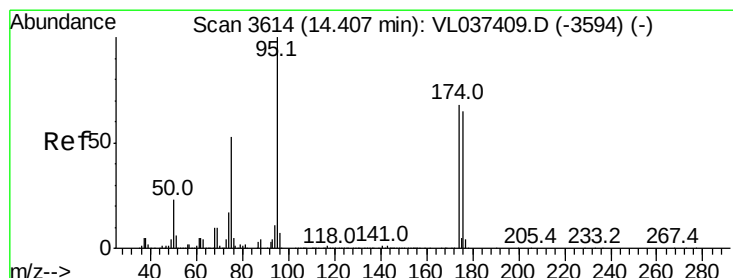
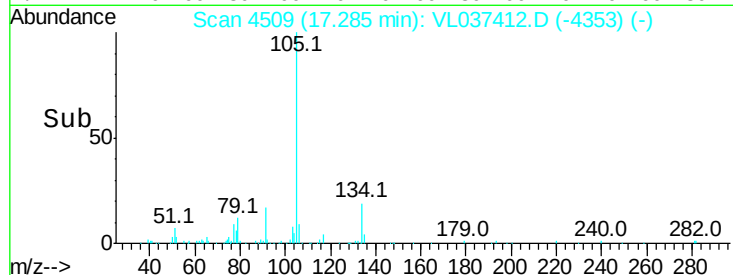
150000

100000

50000

0

Time--> 17.20 17.25 17.30 17.35



#68

1-Bromo-4-Fluorobenzene

Concen: 9.456 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

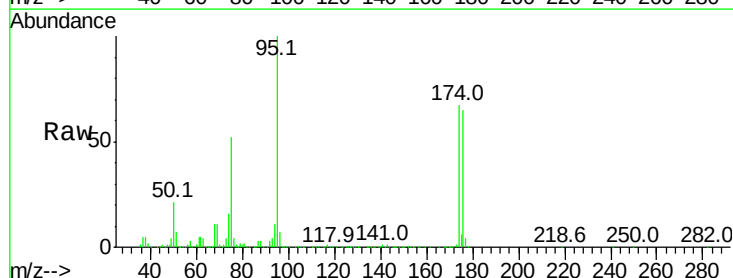
Tgt Ion: 95 Resp: 2426823

Ion Ratio Lower Upper

95 100

174 77.0 59.6 89.4

175 6.1 4.3 6.5



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

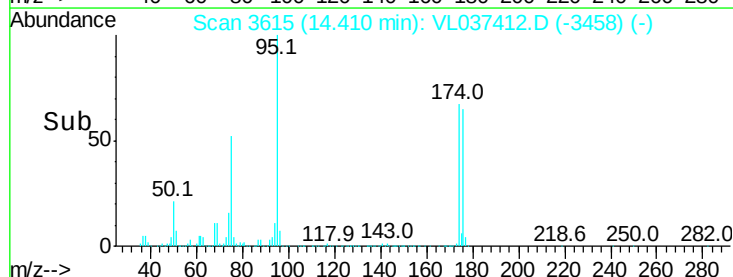
14.41

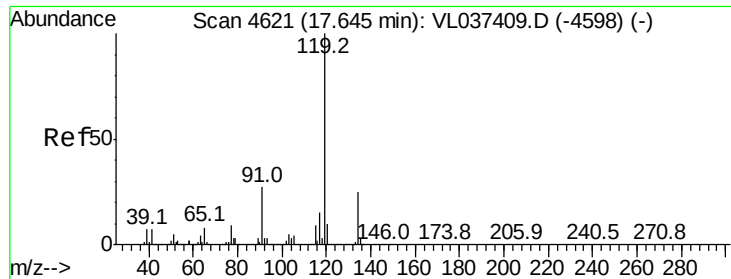
1000000

500000

0

Time--> 14.30 14.40

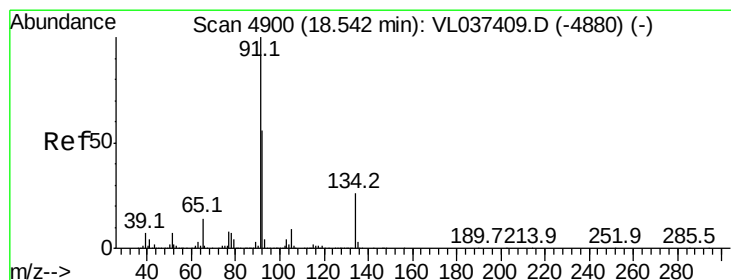
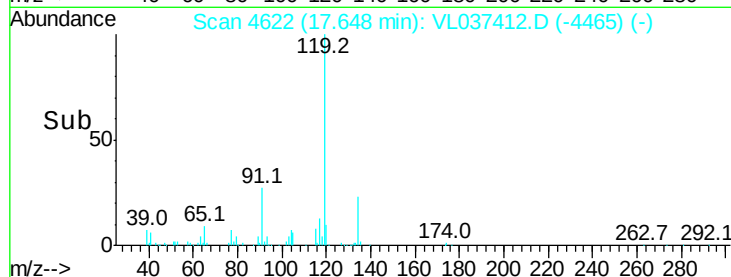
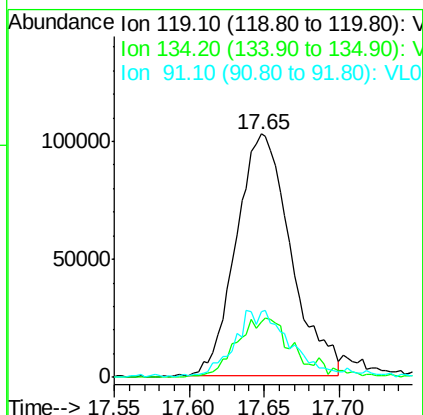
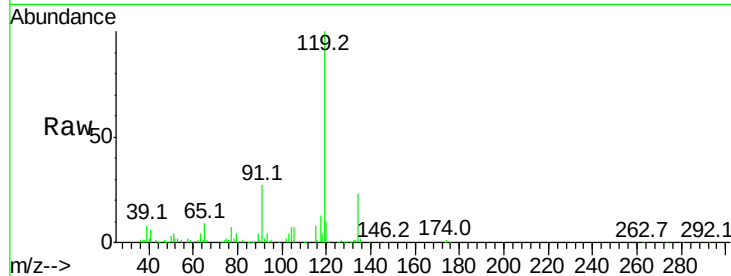




#69
 p-Isopropyltoluene
 Concen: 0.505 ppbv
 RT: 17.65 min Scan# 4622
 Delta R.T. 0.00 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

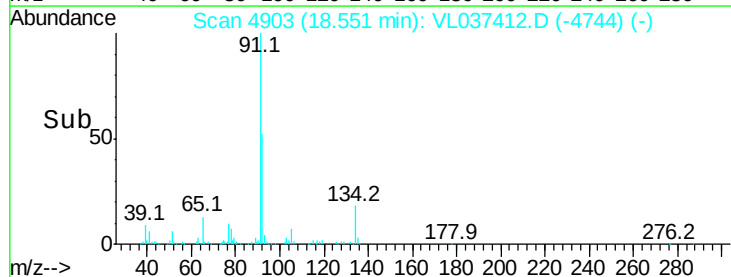
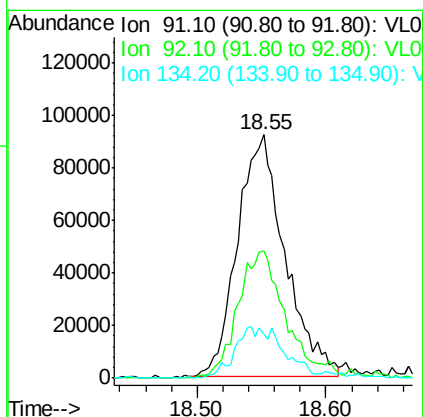
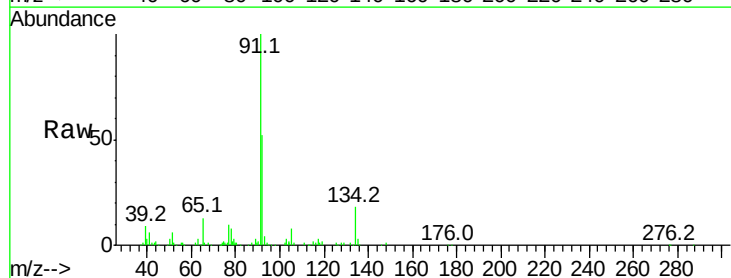
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

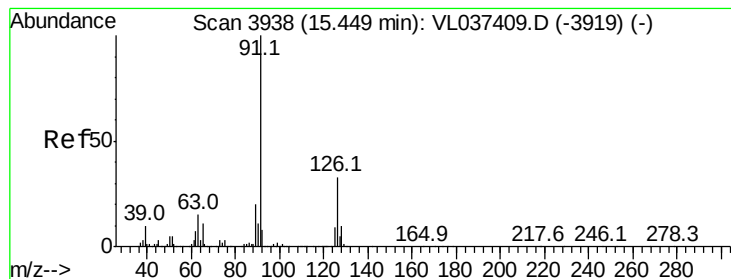
Tgt Ion:	119	Resp:	261088
Ion	Ratio	Lower	Upper
119	100		
134	26.6	20.6	31.0
91	29.4	22.4	33.6



#70
 n-Butylbenzene
 Concen: 0.485 ppbv
 RT: 18.55 min Scan# 4903
 Delta R.T. 0.01 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

Tgt Ion:	91	Resp:	235486
Ion	Ratio	Lower	Upper
91	100		
92	53.8	44.2	66.2
134	23.5	19.5	29.3





#71

2-Chlorotoluene

Concen: 0.526 ppbv

RT: 15.45 min Scan# 3937

Delta R.T. -0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

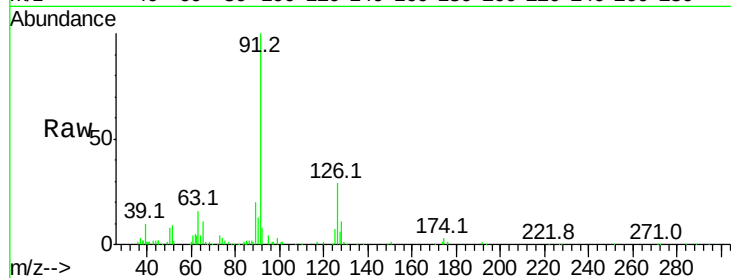
VSTDIC0.5

Tgt Ion: 91 Resp: 198301

Ion Ratio Lower Upper

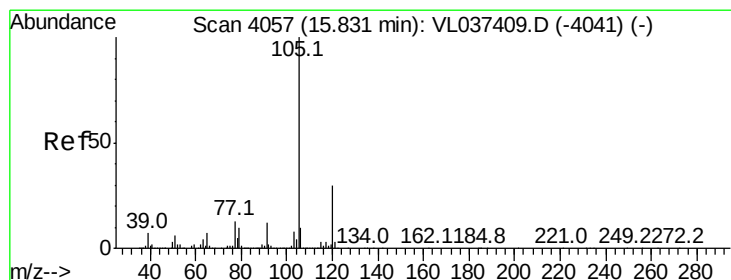
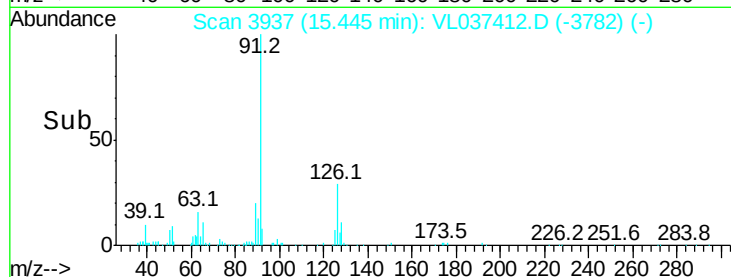
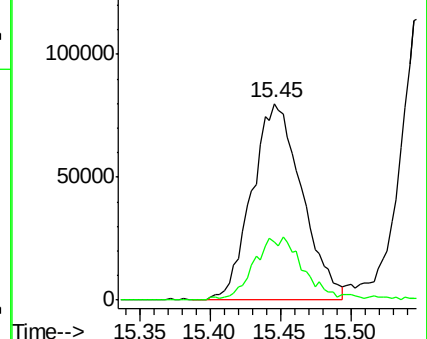
91 100

126 32.8 13.5 53.9



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): VL0



#72

4-Ethyltoluene

Concen: 0.494 ppbv

RT: 15.83 min Scan# 4058

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Tgt Ion: 105 Resp: 211657

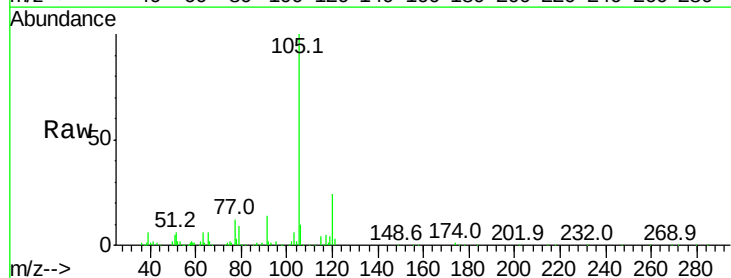
Ion Ratio Lower Upper

105 100

120 32.2 25.0 37.4

91 14.7 11.2 16.8

77 14.7 11.2 16.8

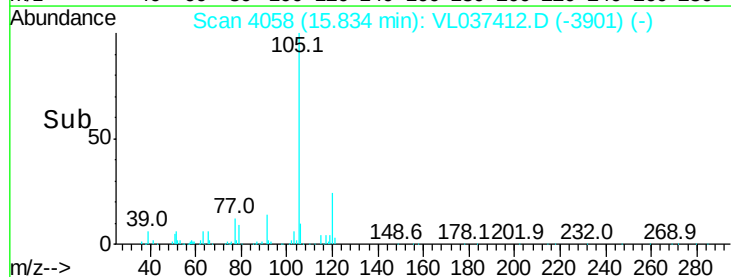
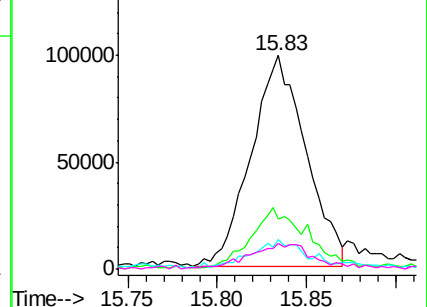


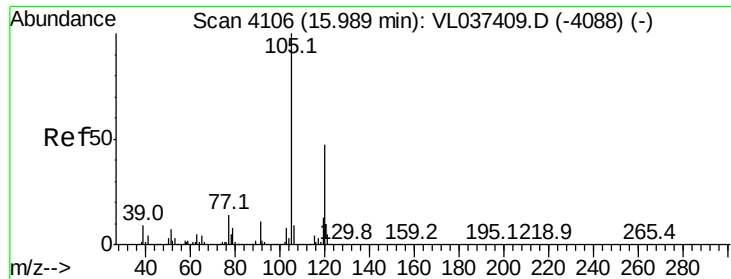
Abundance Ion 105.10 (104.80 to 105.80): VL0

Ion 120.20 (119.90 to 120.90): VL0

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

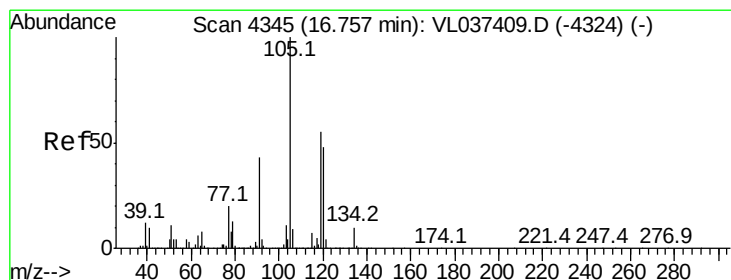
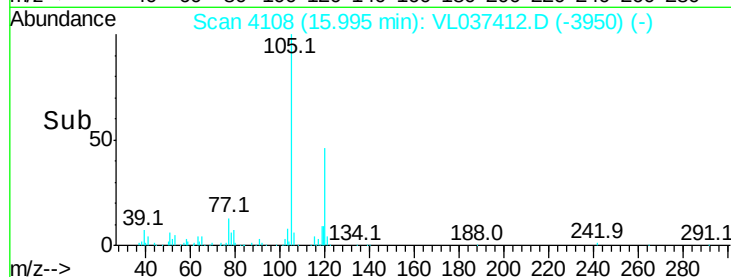
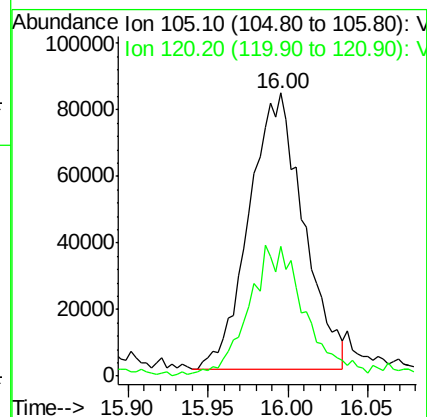
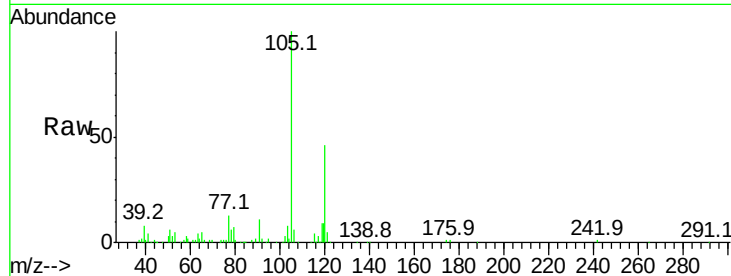




#73
 1,3,5-Trimethylbenzene
 Concen: 0.491 ppbv
 RT: 16.00 min Scan# 4108
 Delta R.T. 0.01 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

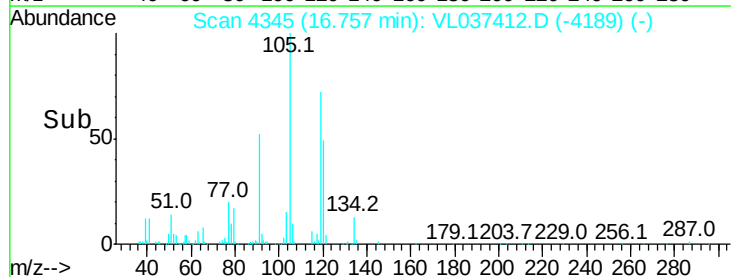
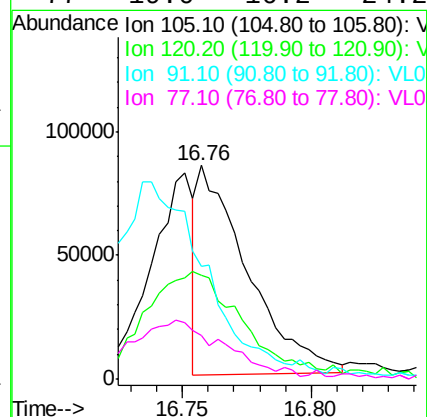
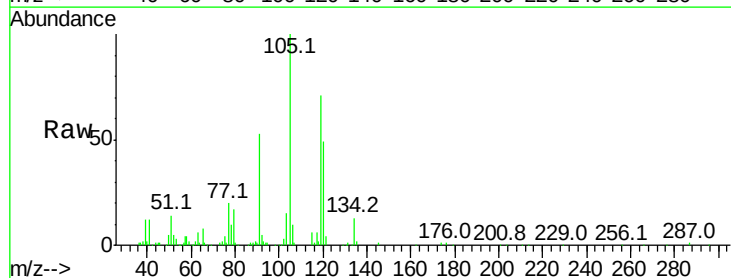
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

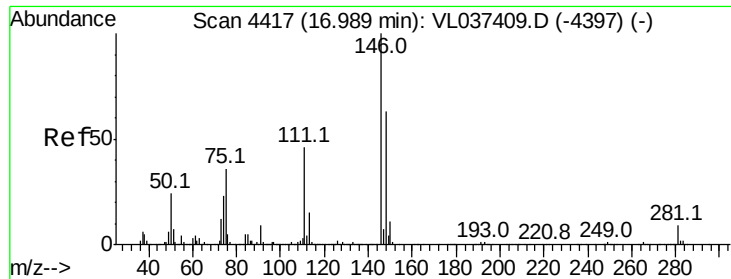
Tgt Ion:105 Resp: 195108
 Ion Ratio Lower Upper
 105 100
 120 45.9 37.4 56.0



#74
 1,2,4-Trimethylbenzene
 Concen: 0.281 ppbv
 RT: 16.76 min Scan# 4345
 Delta R.T. 0.00 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

Tgt Ion:105 Resp: 113610
 Ion Ratio Lower Upper
 105 100
 120 49.5 38.2 57.2
 91 51.3 35.4 53.2
 77 19.0 16.2 24.2





#75

1,3-Dichlorobenzene

Concen: 0.495 ppbv

RT: 16.99 min Scan# 4418

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

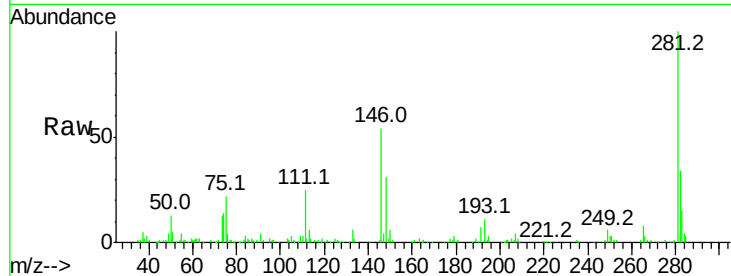
Tgt Ion:146 Resp: 121522

Ion Ratio Lower Upper

146 100

111 52.7 22.9 68.7

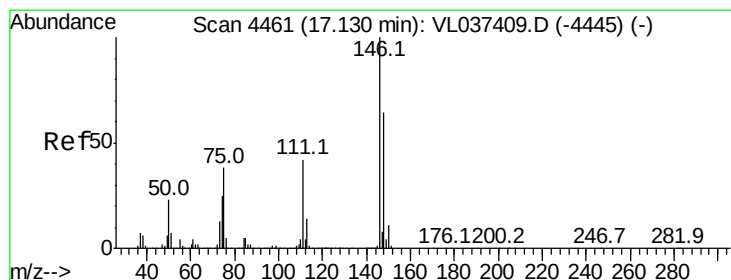
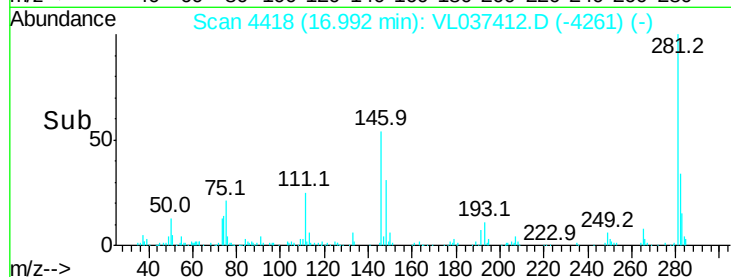
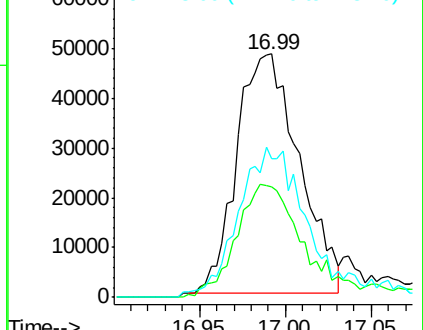
148 70.2 32.0 96.2



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: 0.348 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

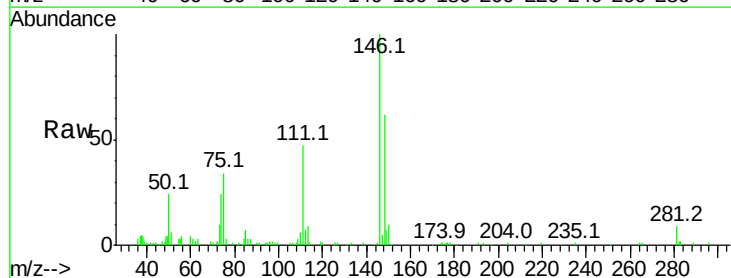
Tgt Ion:146 Resp: 83893

Ion Ratio Lower Upper

146 100

111 74.6 22.8 68.4#

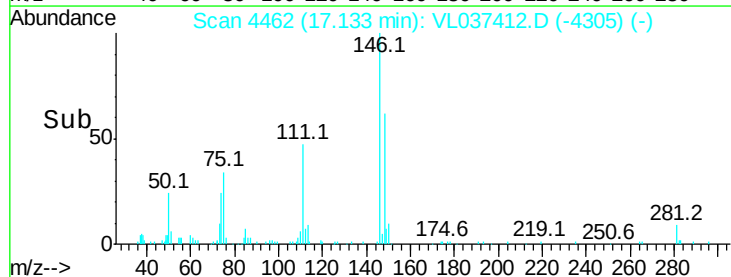
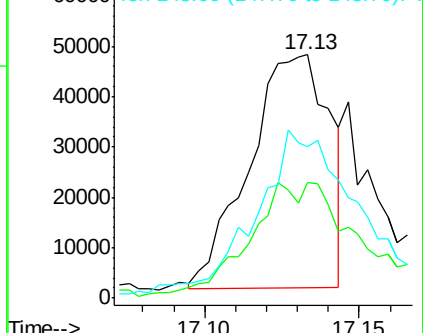
148 101.8 34.0 102.0

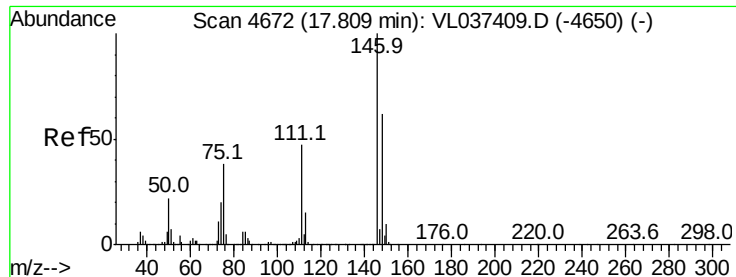


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.508 ppbv

RT: 17.81 min Scan# 4672

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

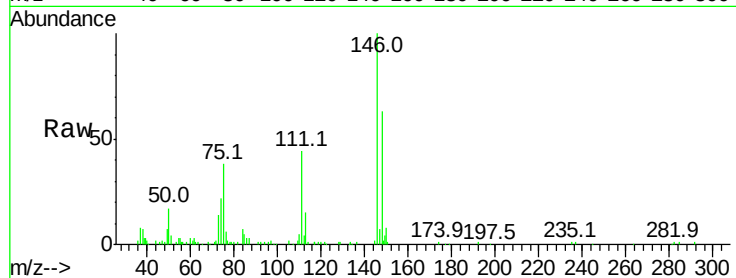
Tgt Ion:146 Resp: 120181

Ion Ratio Lower Upper

146 100

111 52.8 23.8 71.5

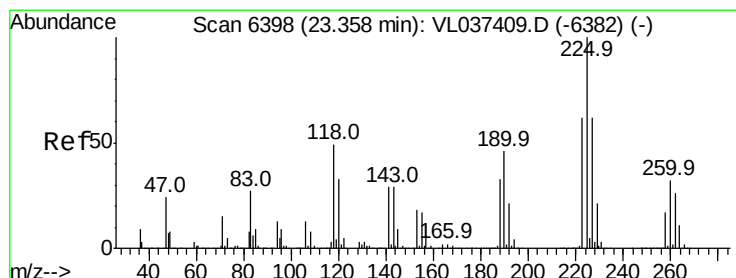
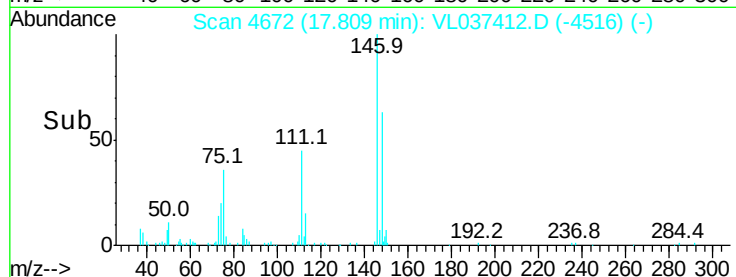
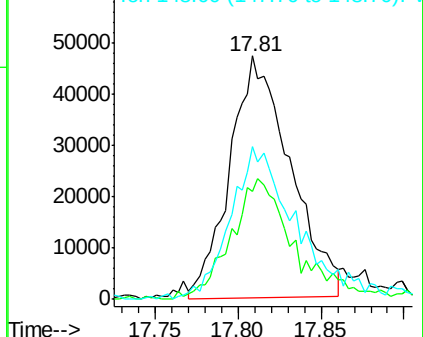
148 72.8 32.5 97.4



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: 0.326 ppbv

RT: 23.36 min Scan# 6399

Delta R.T. 0.00 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

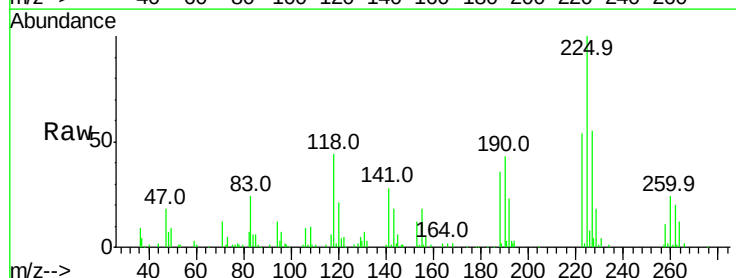
Tgt Ion:225 Resp: 61839

Ion Ratio Lower Upper

225 100

223 125.0 51.2 76.8#

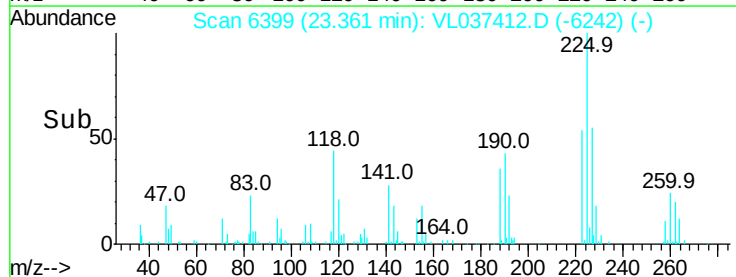
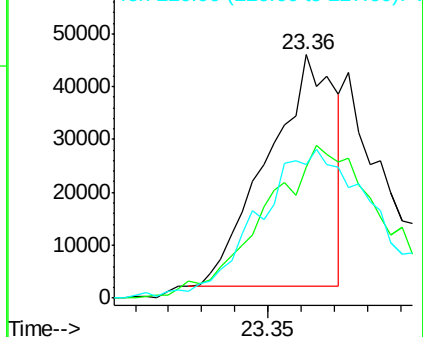
227 118.0 52.2 78.4#

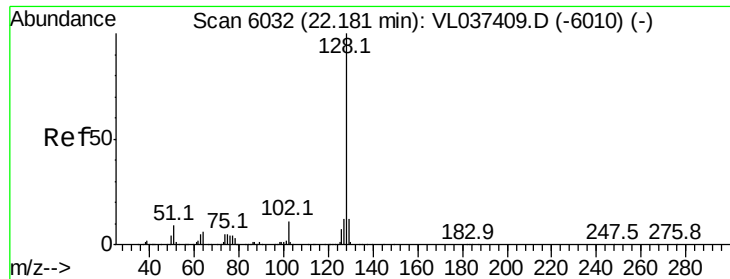


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.022 ppbv

RT: 22.17 min Scan# 6027

Delta R.T. -0.02 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

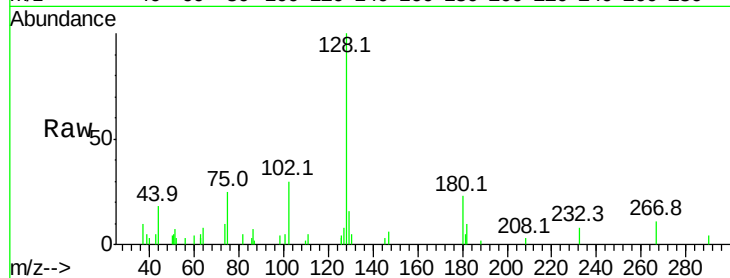
Tgt Ion:128 Resp: 4912

Ion Ratio Lower Upper

128 100

127 8.3 9.9 14.9#

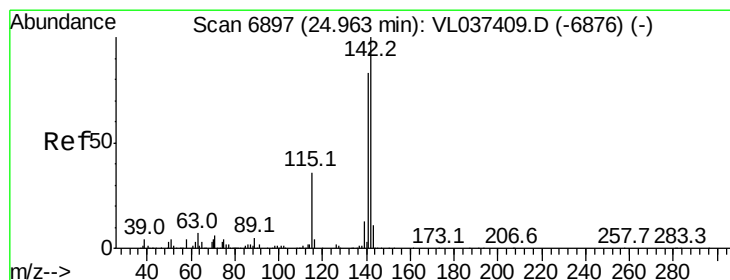
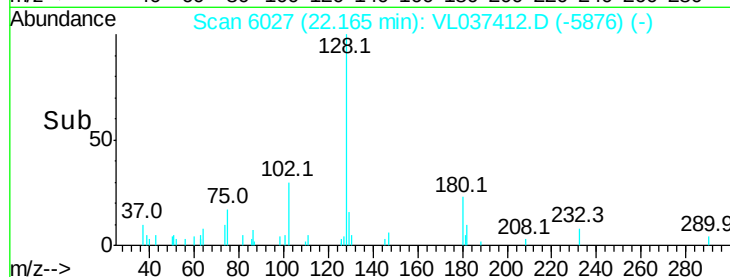
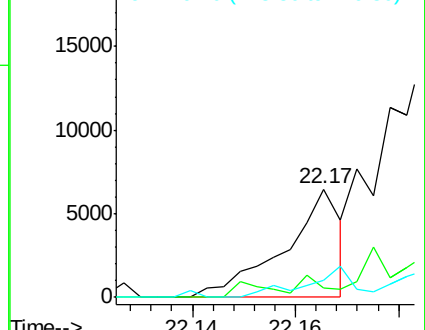
129 9.7 9.4 14.0



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: 0.003 ppbv

RT: 24.75 min Scan# 6831

Delta R.T. -0.21 min

Lab File: VL037412.D

Acq: 12 Aug 2021 12:55

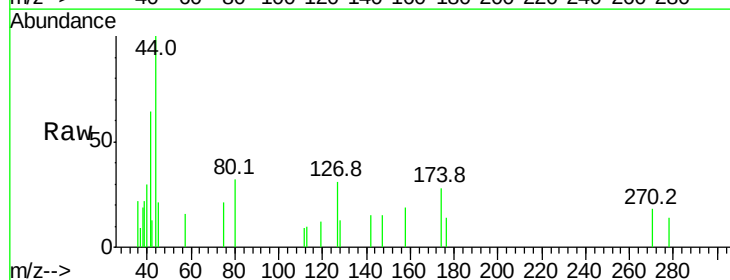
Tgt Ion:142 Resp: 139

Ion Ratio Lower Upper

142 100

141 84.9 68.7 103.1

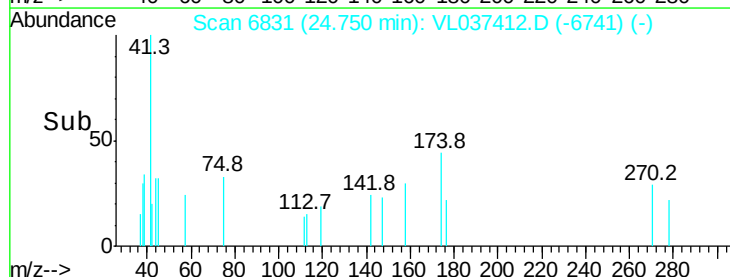
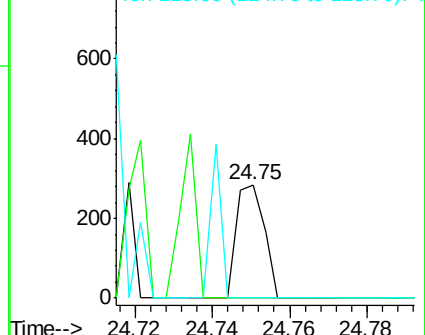
115 40.3 32.7 49.1

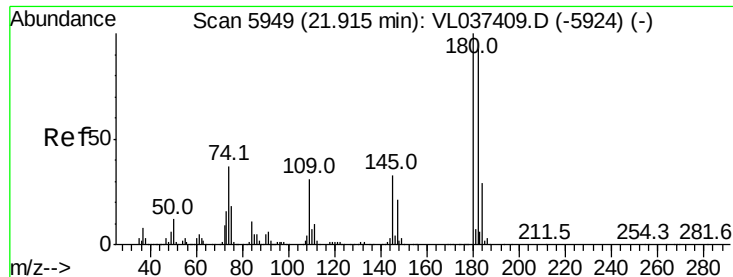


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81
 1,2,4-Trichlorobenzene
 Concen: 0.167 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. 0.00 min
 Lab File: VL037412.D
 Acq: 12 Aug 2021 12:55

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

Tgt Ion:180 Resp: 25145
 Ion Ratio Lower Upper
 180 100
 182 0.0 78.6 118.0#
 184 0.0 24.6 36.8#

