

Data File : VL037410.D

Acq On : 12 Aug 2021 11:41

Operator : SY/AP

Sample : VSTDIC002

Misc : 400mL/MSVOA_L

ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Quant Time: Aug 12 12:30:26 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	1374068	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4100178	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3831634	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2719162	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	3.05	85	403040	1.623	ppbv	96
3) Chlorodifluoromethane	2.99	51	559101	2.188	ppbv	99
4) Chloromethane	3.14	50	205369	2.183	ppbv	93
5) Vinyl Chloride	3.26	62	193989	2.018	ppbv	100
6) Bromomethane	3.47	94	112037	2.126	ppbv	94
7) Chloroethane	3.56	64	75071	2.281	ppbv	89
8) Dichlorotetrafluoroethane	3.19	85	468219	2.161	ppbv	96
9) Propene	3.01	41	190006	2.184	ppbv	96
10) Heptane	8.11	43	476503	2.316	ppbv	98
11) Trichlorofluoromethane	3.95	101	452616	2.168	ppbv	98
12) 1,1,2-Trichlorotrifluoroet	4.48	101	319630	2.151	ppbv	93
13) Ethanol	3.63	45	3427	0.326	ppbv #	1
14) Bromoethene	3.74	108	148262	2.181	ppbv	97
15) Acetone	3.85	43	321193	2.453	ppbv #	65
16) 1,3-Butadiene	3.33	39	192377	2.092	ppbv	93
17) tert-Butyl alcohol	4.30	59	201182	1.718	ppbv #	86
18) 1,1-Dichloroethene	4.29	96	142980	2.123	ppbv	84
19) Isopropyl Alcohol	3.98	45	139955	1.857	ppbv #	1
20) Methylene Chloride	4.34	84	84140	1.184	ppbv	86
21) Allyl Chloride	4.41	41	225037	2.191	ppbv	96
22) trans-1,2-Dichloroethene	4.88	96	134397	2.112	ppbv	99
23) Vinyl Acetate	5.07	43	485086	2.305	ppbv #	97
24) 1,1-Dichloroethane	5.01	63	352033	2.127	ppbv	99
25) Ethyl Acetate	5.68	43	733306	2.188	ppbv	99
26) Hexane	5.68	57	379352	2.235	ppbv	98
27) Carbon Disulfide	4.55	76	301395	2.119	ppbv #	93
28) Methyl tert-Butyl Ether	5.03	73	405381	2.236	ppbv	99
29) Chloroform	5.75	83	517030	2.124	ppbv	97
30) Cyclohexane	7.13	84	152294	1.084	ppbv #	1
31) cis-1,2-Dichloroethene	5.55	61	322004	2.117	ppbv	97
32) 1,1,1-Trichloroethane	6.51	97	501567	2.125	ppbv	99
34) 2-Butanone	5.24	43	311338	1.998	ppbv #	87
35) Carbon Tetrachloride	7.01	117	515073	2.253	ppbv	98
36) Benzene	6.89	78	739296	2.272	ppbv	99
37) 1,2-Dichloroethane	6.30	62	360583	2.167	ppbv	97
38) Trichloroethene	7.83	130	285962	2.064	ppbv	92
39) 1,2-Dichloropropane	7.61	63	276393	2.324	ppbv	95
40) 1,4-Dioxane	7.84	88	24490	0.773	ppbv #	100
41) Tetrahydrofuran	6.06	42	134764	1.840	ppbv #	86
42) Bromodichloromethane	7.79	83	545413	2.318	ppbv	97
43) Methyl Methacrylate	8.01	69	137353	1.213	ppbv #	13

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ClientSampleId :
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Quant Time: Aug 12 12:30:26 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

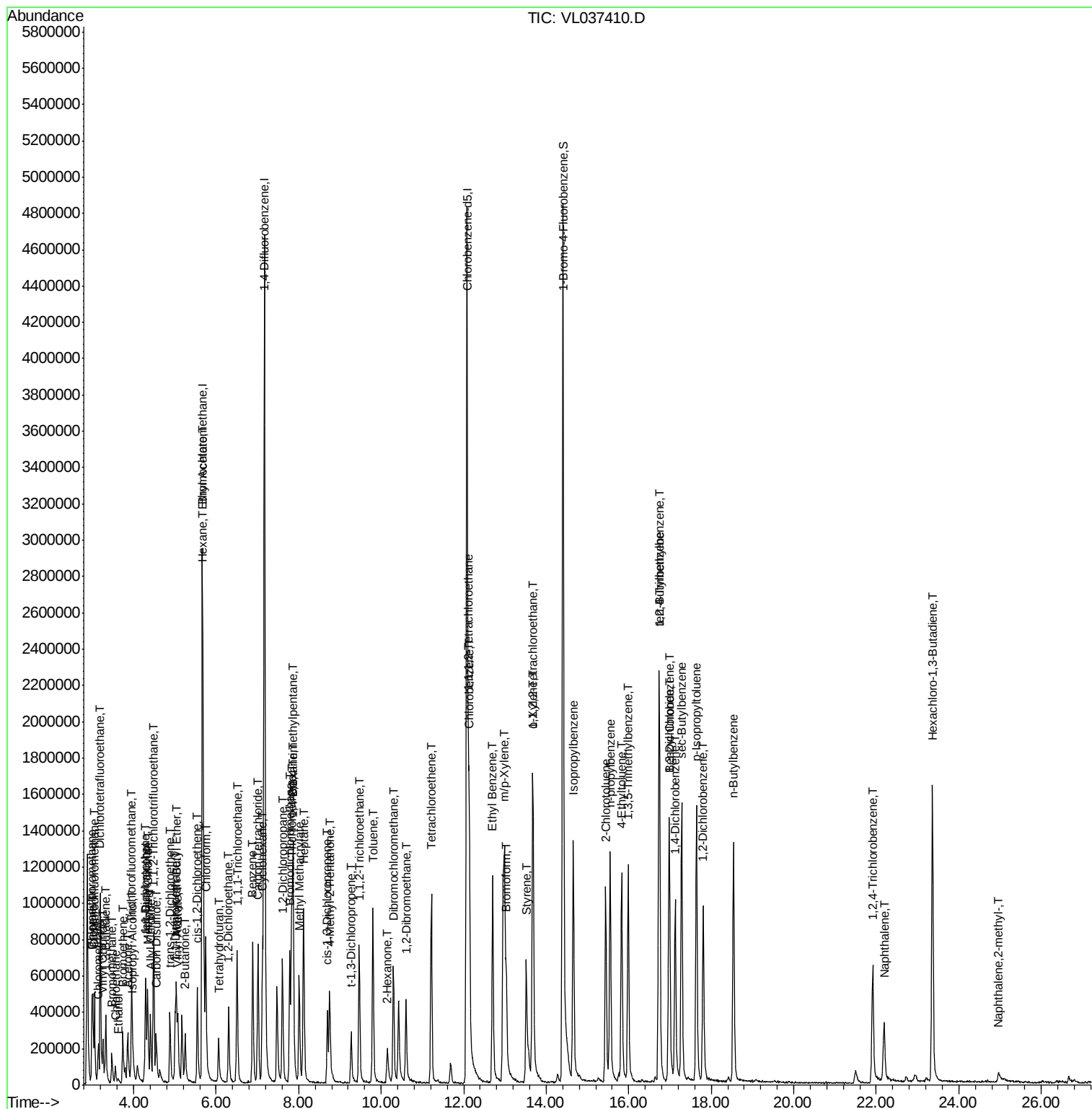
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,2,4-Trimethylpentane	7.86	57	1266183	2.333	ppbv	99
45) t-1,3-Dichloropropene	9.28	75	170407	2.004	ppbv	100
46) cis-1,3-Dichloropropene	8.70	75	260386	2.264	ppbv	97
47) 1,1,2-Trichloroethane	9.46	97	150940	1.126	ppbv	97
48) Dibromochloromethane	10.30	129	445440	2.253	ppbv	98
49) Bromoform	13.03	173	340995	2.195	ppbv	99
50) 4-Methyl-2-Pentanone	8.75	43	430519	2.115	ppbv	95
51) 2-Hexanone	10.15	43	113806	1.262	ppbv #	28
52) Tetrachloroethene	11.21	164	180239	1.359	ppbv	98
53) Toluene	9.80	91	840417	2.227	ppbv	99
54) 1,2-Dibromoethane	10.60	107	411935	2.171	ppbv	88
56) 1,1,1,2-Tetrachloroethane	12.11	131	322034	2.174	ppbv #	1
57) Chlorobenzene	12.14	112	636942	2.154	ppbv	99
58) Ethyl Benzene	12.70	91	1116787	2.184	ppbv	98
59) m/p-Xylene	12.98	91	234594	0.533	ppbv #	31
60) o-Xylene	13.68	91	899213	2.203	ppbv	96
61) Styrene	13.52	104	455126	2.152	ppbv	99
62) Isopropylbenzene	14.66	105	1277064	2.221	ppbv	98
63) 1,1,2,2-Tetrachloroethane	13.67	83	635008	2.057	ppbv	100
64) n-propylbenzene	15.55	120	134867	0.924	ppbv #	1
65) tert-Butylbenzene	16.73	119	1174755	2.265	ppbv	98
66) Benzyl Chloride	16.98	91	21470	0.976	ppbv #	63
67) sec-Butylbenzene	17.28	105	1622039	2.275	ppbv	97
69) p-Isopropyltoluene	17.64	119	1322795	2.297	ppbv	98
70) n-Butylbenzene	18.54	91	1210571	2.237	ppbv	99
71) 2-Chlorotoluene	15.44	91	885762	2.110	ppbv	98
72) 4-Ethyltoluene	15.83	105	1024150	2.145	ppbv	98
73) 1,3,5-Trimethylbenzene	15.99	105	944791	2.133	ppbv	100
74) 1,2,4-Trimethylbenzene	16.75	105	1019517	2.267	ppbv #	89
75) 1,3-Dichlorobenzene	16.99	146	592843	2.169	ppbv	97
76) 1,4-Dichlorobenzene	17.13	146	560195	2.088	ppbv	99
77) 1,2-Dichlorobenzene	17.81	146	557736	2.118	ppbv	96
78) Hexachloro-1,3-Butadiene	23.36	225	260464	1.233	ppbv #	25
79) Naphthalene	22.18	128	221457	0.904	ppbv	99
80) Naphthalene,2-methyl-	24.97	142	45778	0.950	ppbv #	82
81) 1,2,4-Trichlorobenzene	21.92	180	209934	1.250	ppbv #	39

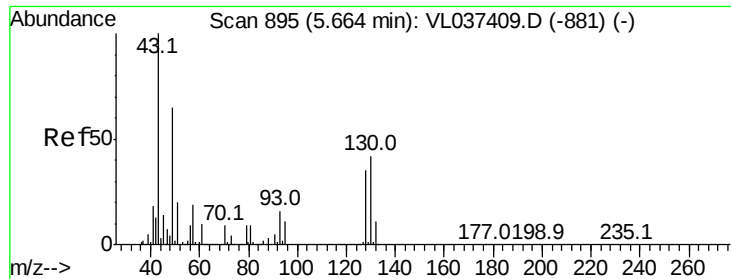
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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VSTDICC002

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. 0.00 min

Lab File: VL037410.D

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MSVOA_L

ClientSampleId :

VSTDIC002

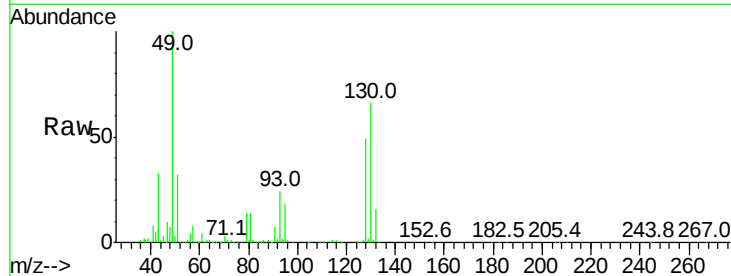
Tgt Ion: 49 Resp: 1374068

Ion Ratio Lower Upper

49 100

128 54.7 27.9 83.6

130 70.3 34.6 103.8

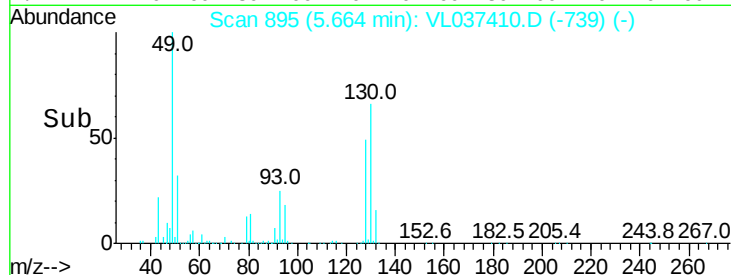


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

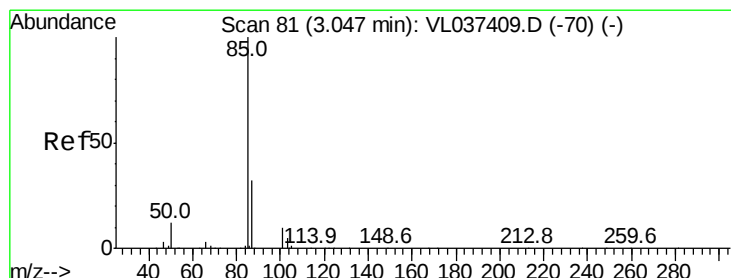
Ion 130.00 (129.70 to 130.70): VL0

Time-->



5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 1.623 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.00 min

Lab File: VL037410.D

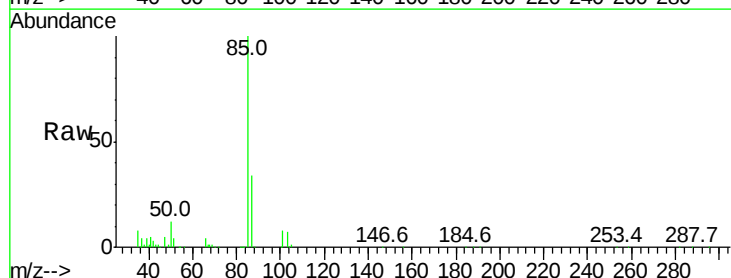
Acq: 12 Aug 2021 11:41

Tgt Ion: 85 Resp: 403040

Ion Ratio Lower Upper

85 100

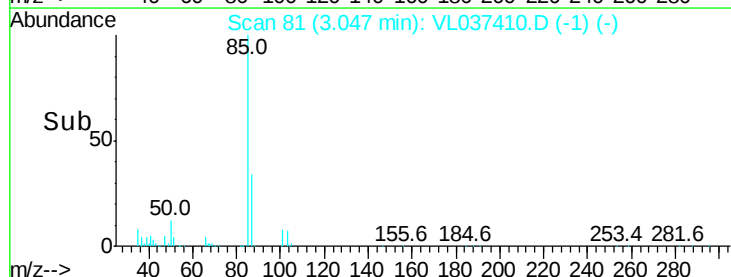
87 34.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

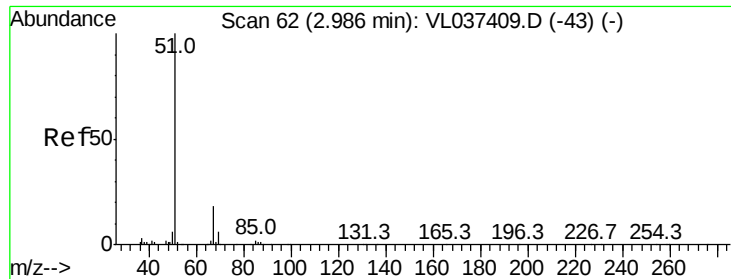
Ion 87.00 (86.70 to 87.70): VL0

Time-->



3.05

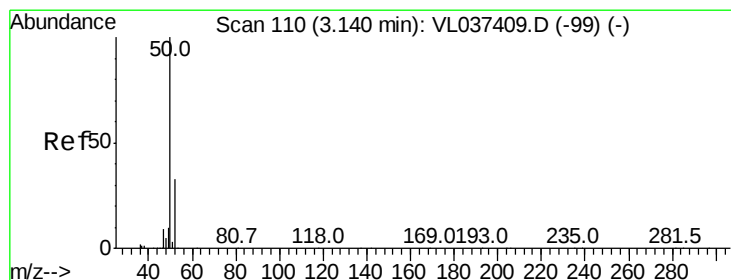
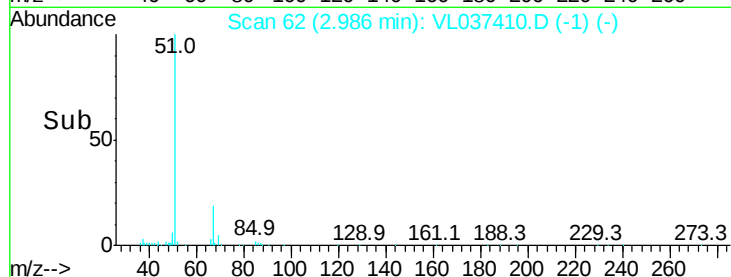
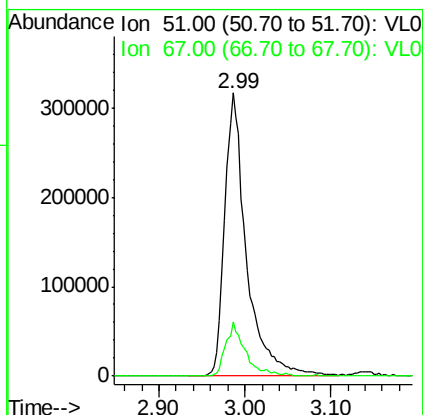
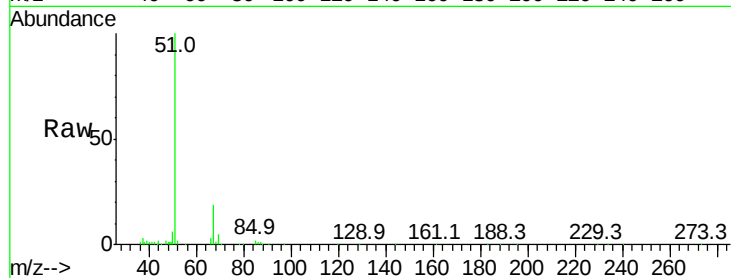
Time-->



#3
Chlorodifluoromethane
Concen: 2.188 ppbv
RT: 2.99 min Scan# 62
Delta R.T. 0.00 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

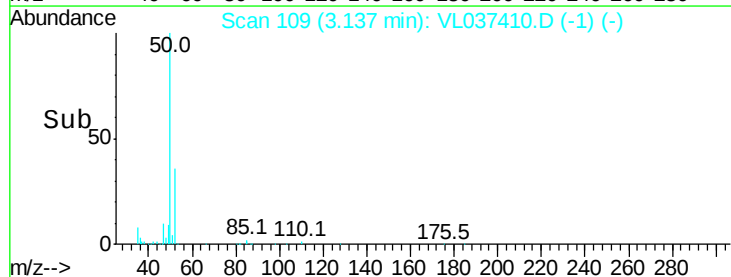
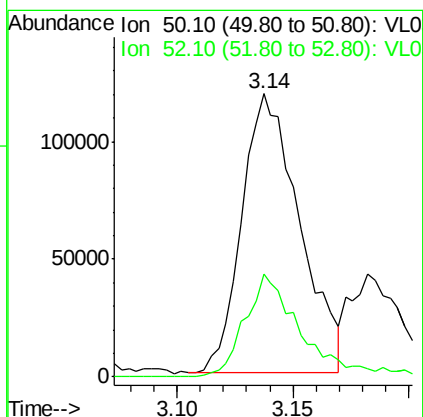
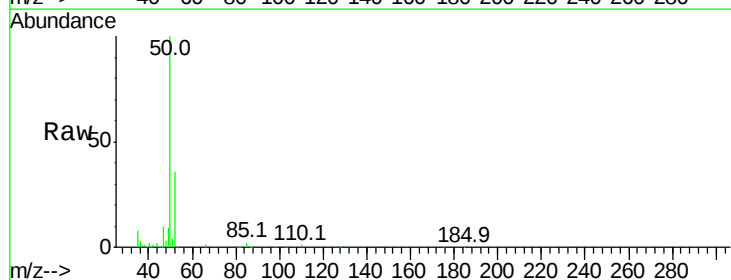
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

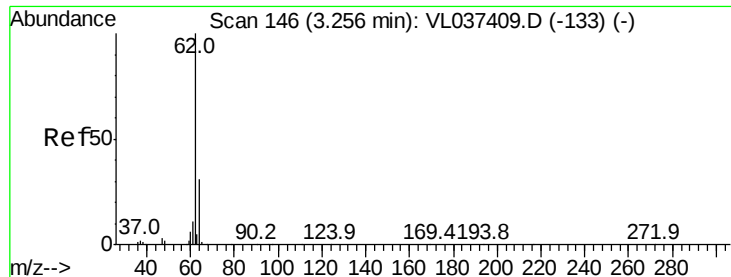
Tgt Ion: 51 Resp: 559101
Ion Ratio Lower Upper
51 100
67 17.7 14.7 22.1



#4
Chloromethane
Concen: 2.183 ppbv
RT: 3.14 min Scan# 109
Delta R.T. -0.00 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

Tgt Ion: 50 Resp: 205369
Ion Ratio Lower Upper
50 100
52 36.8 26.2 39.4





#5

Vinyl Chloride

Concen: 2.018 ppbv

RT: 3.26 min Scan# 147

Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

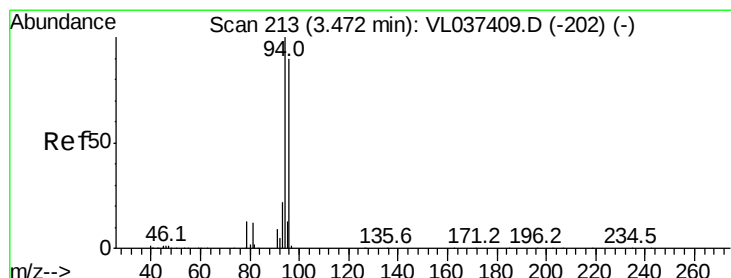
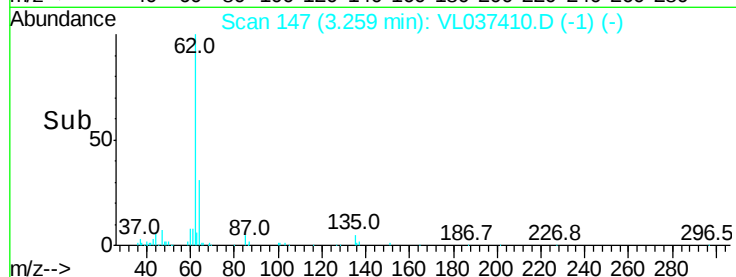
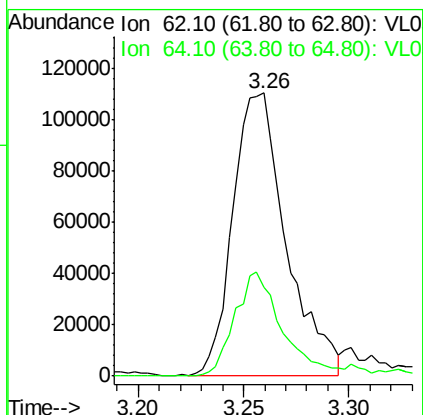
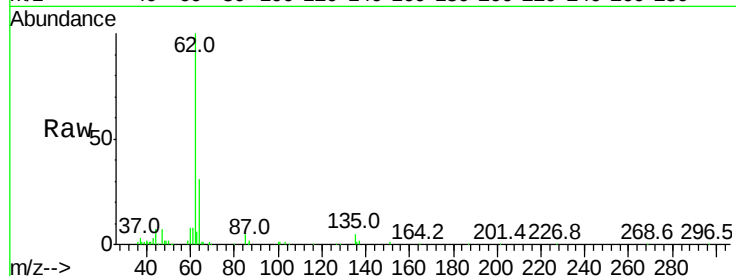
VSTDIC002

Tgt Ion: 62 Resp: 193989

Ion Ratio Lower Upper

62 100

64 31.4 25.0 37.6



#6

Bromomethane

Concen: 2.126 ppbv

RT: 3.47 min Scan# 213

Delta R.T. 0.00 min

Lab File: VL037410.D

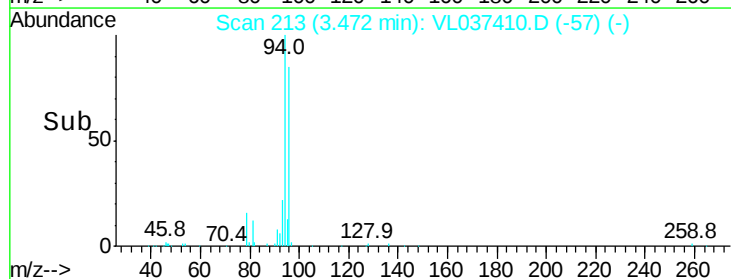
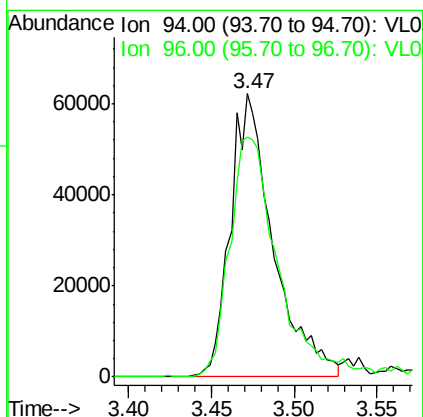
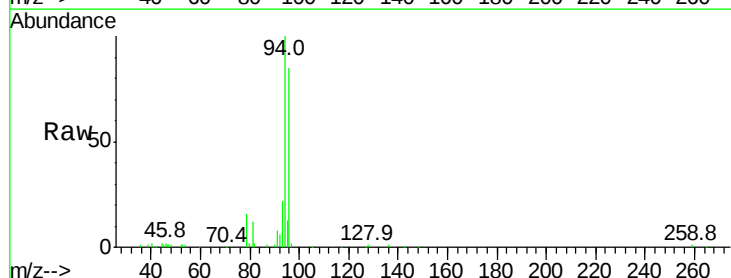
Acq: 12 Aug 2021 11:41

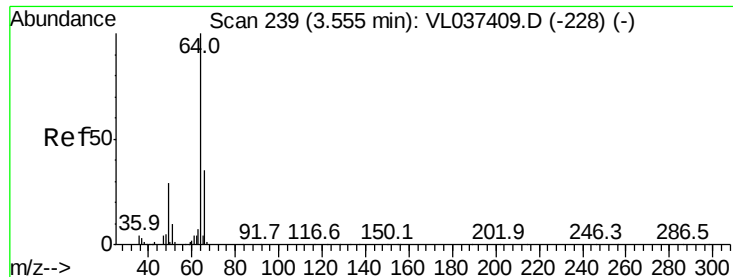
Tgt Ion: 94 Resp: 112037

Ion Ratio Lower Upper

94 100

96 84.9 72.2 108.4





#7

Chloroethane

Concen: 2.281 ppbv

RT: 3.56 min Scan# 239

Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

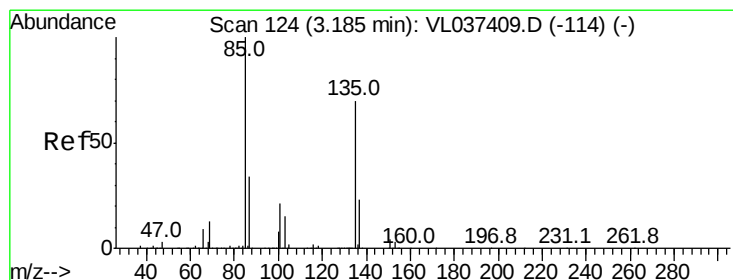
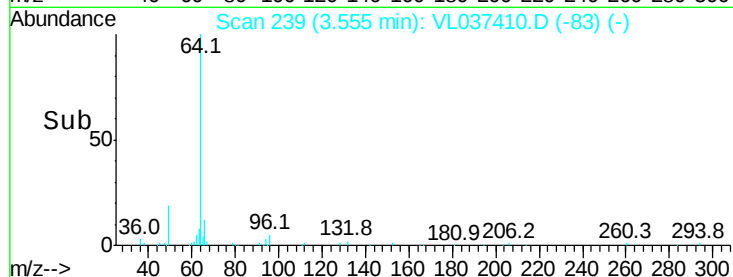
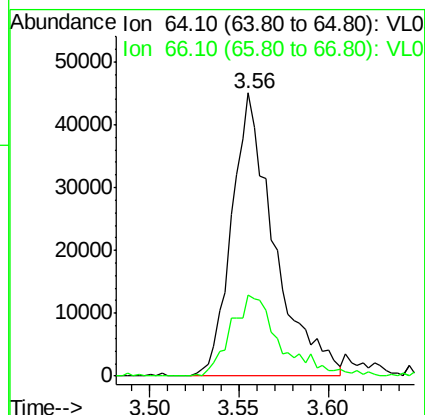
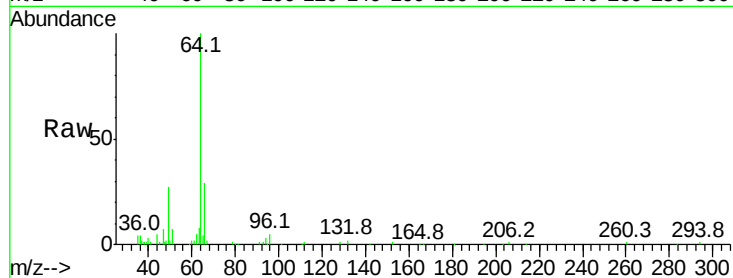
VSTDIC002

Tgt Ion: 64 Resp: 75071

Ion Ratio Lower Upper

64 100

66 28.5 27.8 41.8



#8

Dichlorotetrafluoroethane

Concen: 2.161 ppbv

RT: 3.19 min Scan# 124

Delta R.T. 0.00 min

Lab File: VL037410.D

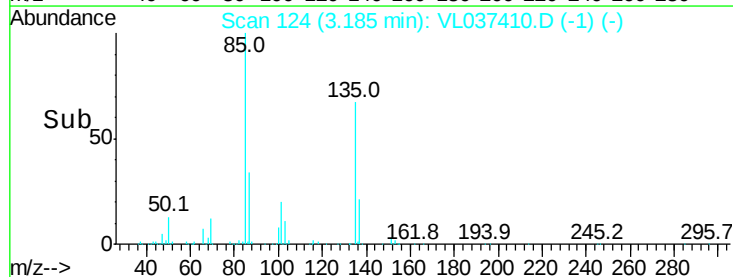
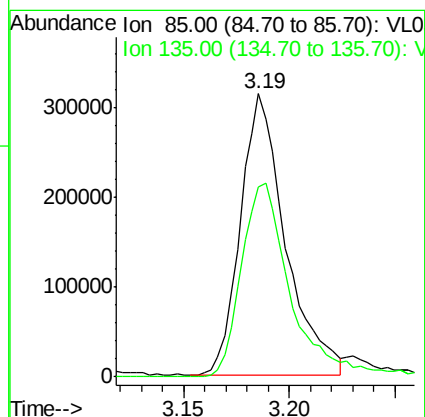
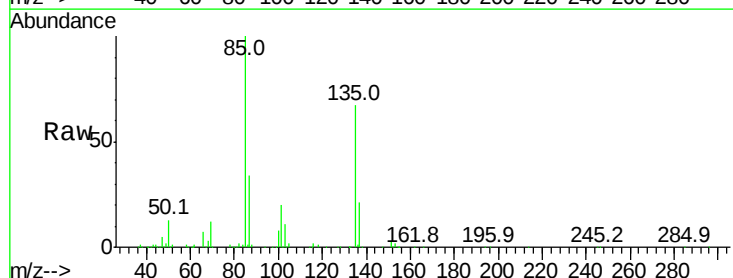
Acq: 12 Aug 2021 11:41

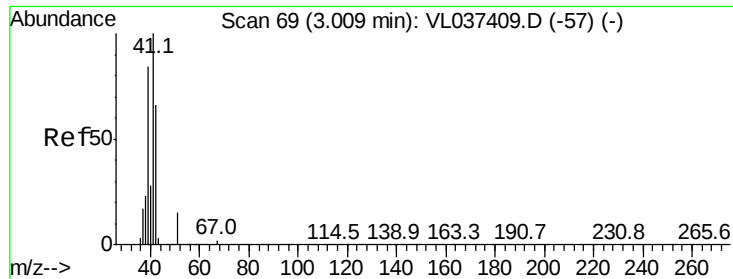
Tgt Ion: 85 Resp: 468219

Ion Ratio Lower Upper

85 100

135 76.6 58.6 88.0





#9

Propene

Concen: 2.184 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

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ClientSampleId :

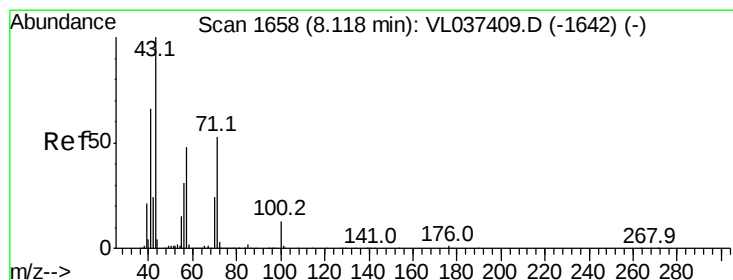
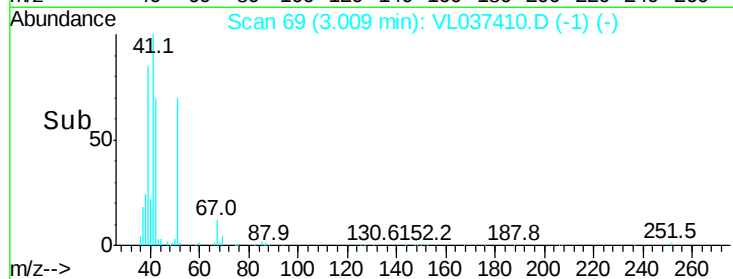
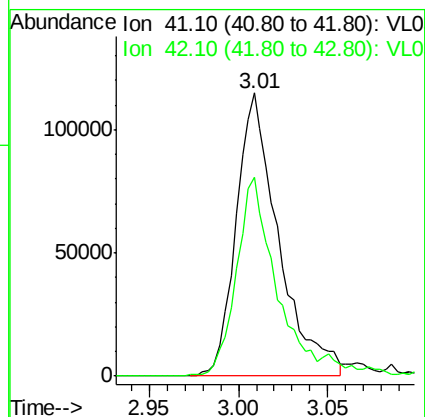
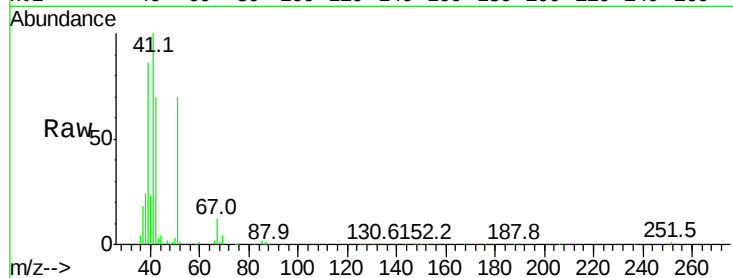
VSTDIC002

Tgt Ion: 41 Resp: 190006

Ion Ratio Lower Upper

41 100

42 70.4 53.8 80.8



#10

Heptane

Concen: 2.316 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.00 min

Lab File: VL037410.D

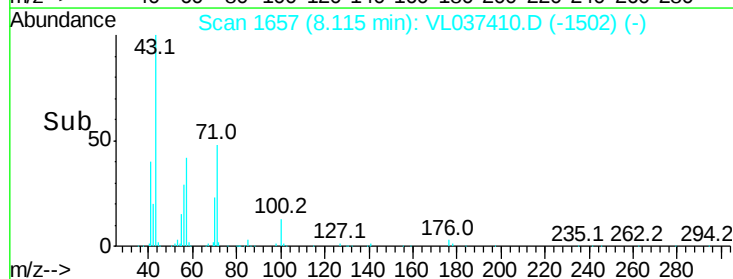
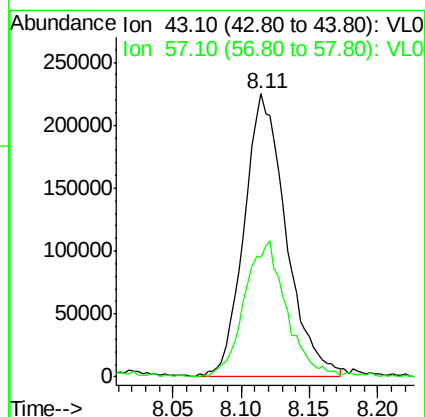
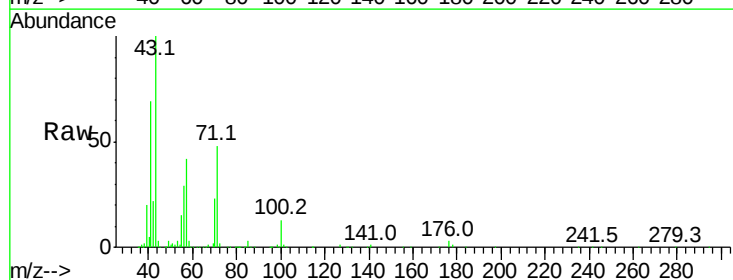
Acq: 12 Aug 2021 11:41

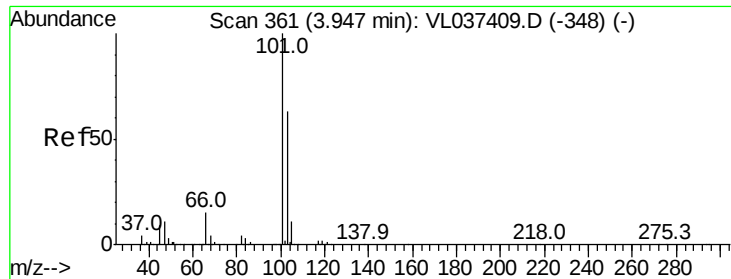
Tgt Ion: 43 Resp: 476503

Ion Ratio Lower Upper

43 100

57 48.7 40.3 60.5

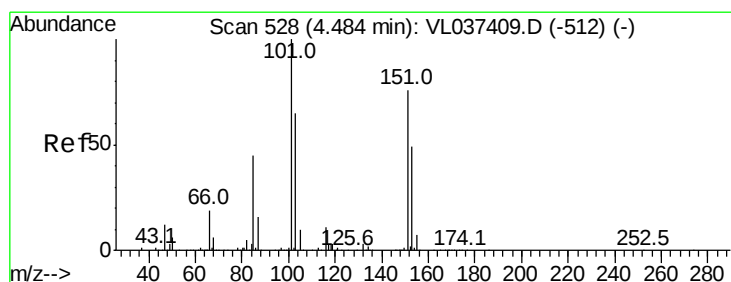
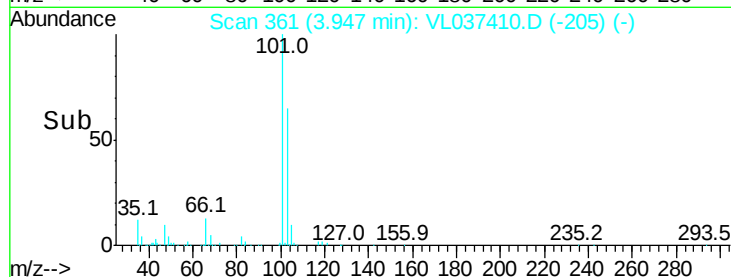
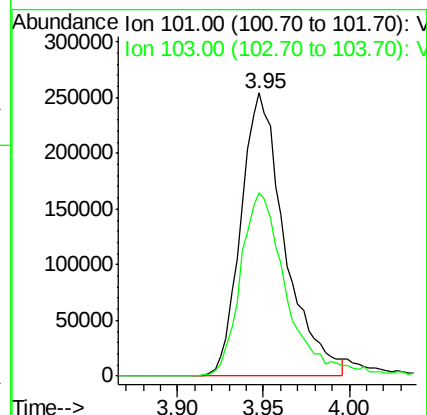
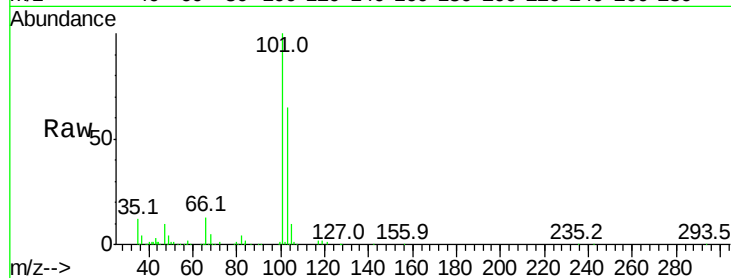




#11
 Trichlorofluoromethane
 Concen: 2.168 ppbv
 RT: 3.95 min Scan# 361
 Delta R.T. 0.00 min
 Lab File: VL037410.D
 Acq: 12 Aug 2021 11:41

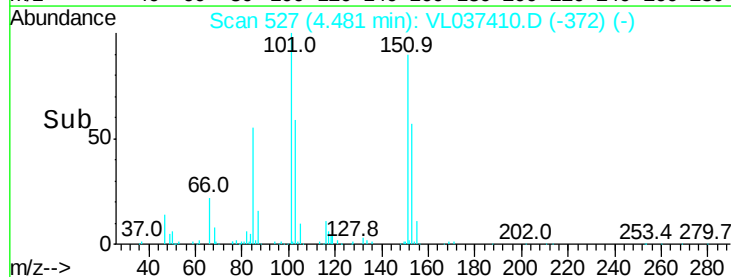
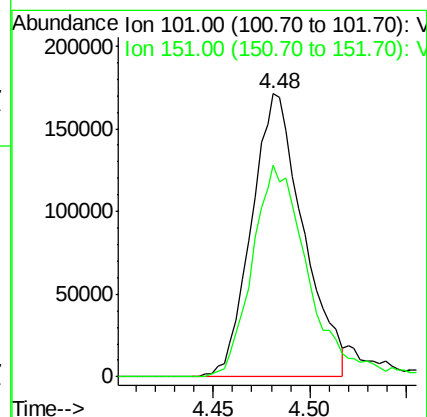
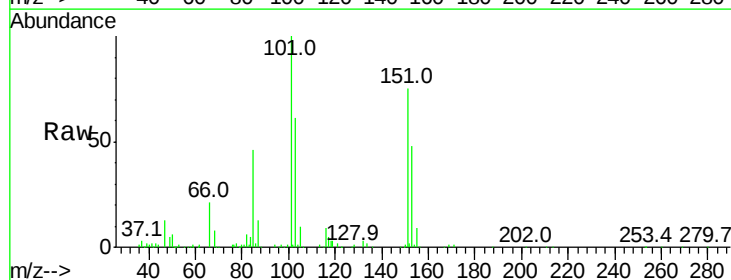
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

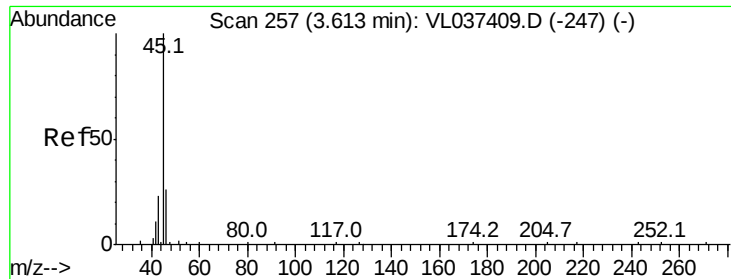
Tgt Ion:101 Resp: 452616
 Ion Ratio Lower Upper
 101 100
 103 64.6 50.2 75.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 2.151 ppbv
 RT: 4.48 min Scan# 527
 Delta R.T. -0.00 min
 Lab File: VL037410.D
 Acq: 12 Aug 2021 11:41

Tgt Ion:101 Resp: 319630
 Ion Ratio Lower Upper
 101 100
 151 82.8 61.2 91.8





#13

Ethanol

Concen: 0.326 ppbv

RT: 3.63 min Scan# 262

Delta R.T. 0.02 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

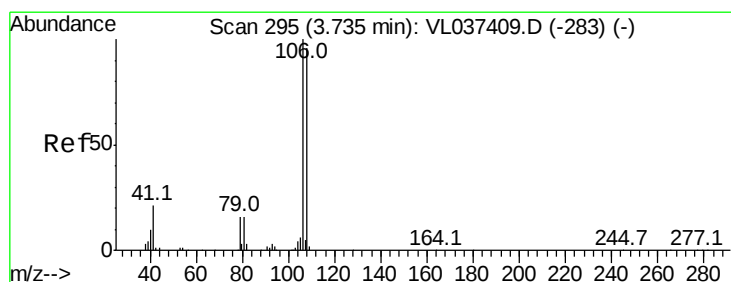
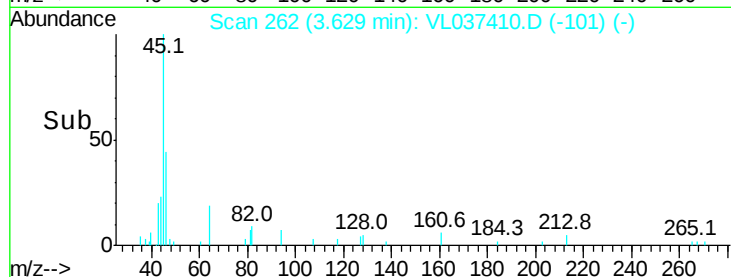
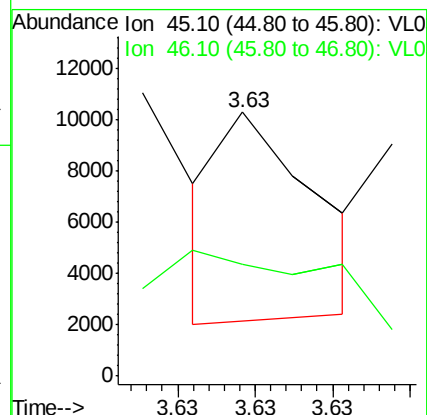
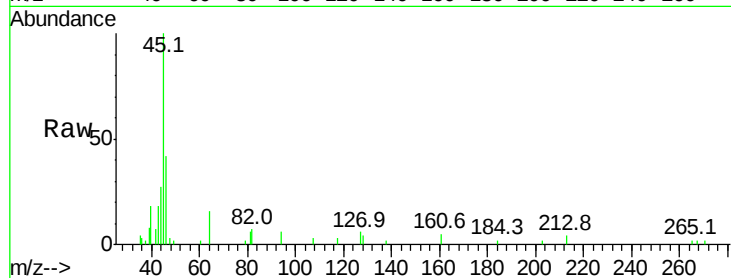
VSTDIC002

Tgt Ion: 45 Resp: 3427

Ion Ratio Lower Upper

45 100

46 414.6 18.0 72.2#



#14

Bromoethene

Concen: 2.181 ppbv

RT: 3.74 min Scan# 296

Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

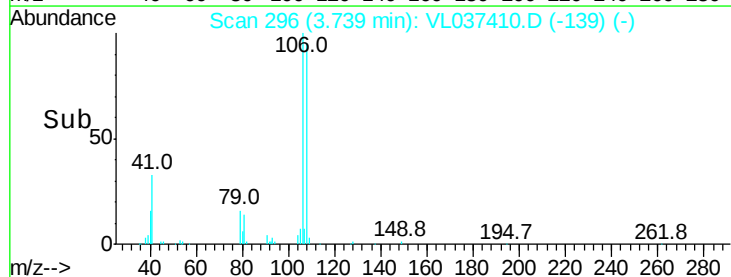
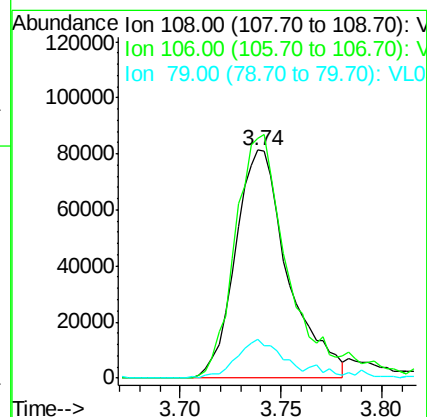
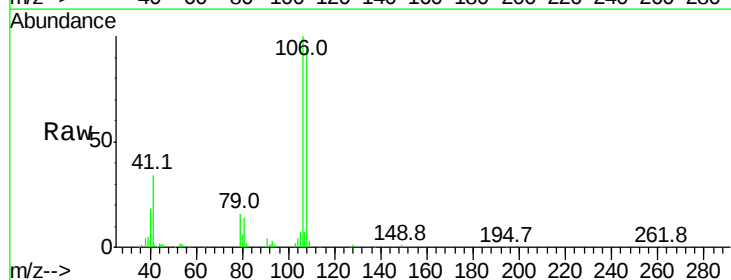
Tgt Ion: 108 Resp: 148262

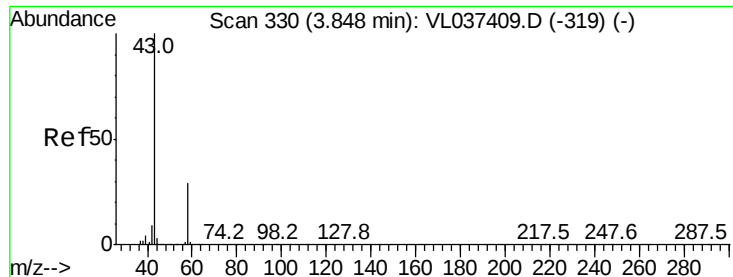
Ion Ratio Lower Upper

108 100

106 113.2 87.5 131.3

79 18.1 13.5 20.3





#15

Acetone

Concen: 2.453 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

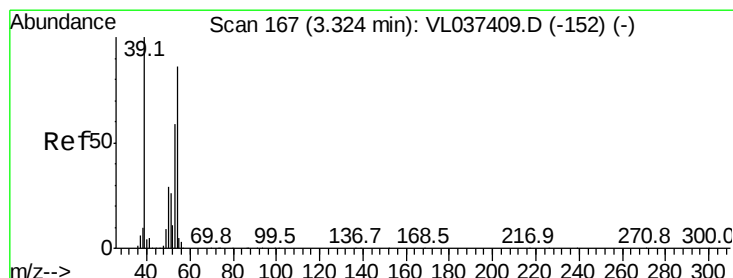
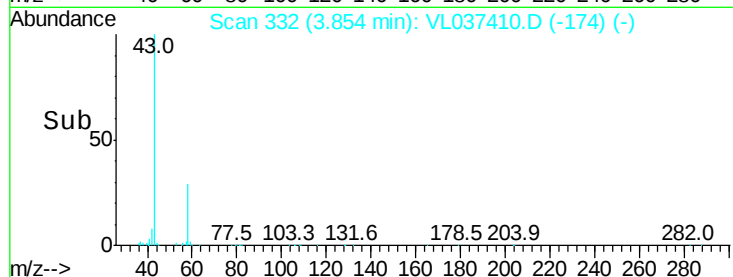
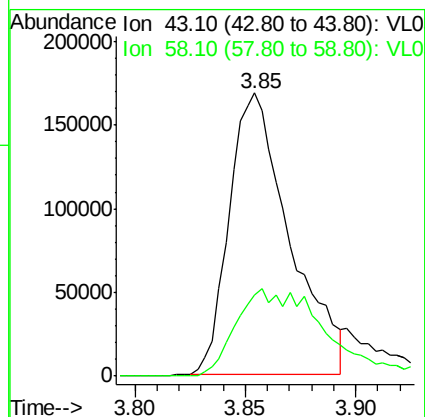
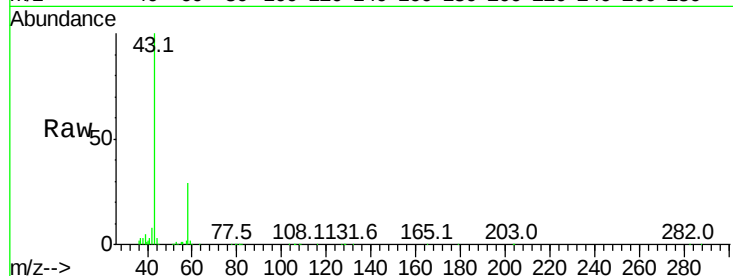
VSTDIC002

Tgt Ion: 43 Resp: 321193

Ion Ratio Lower Upper

43 100

58 49.8 24.4 36.6#



#16

1,3-Butadiene

Concen: 2.092 ppbv

RT: 3.33 min Scan# 168

Delta R.T. 0.00 min

Lab File: VL037410.D

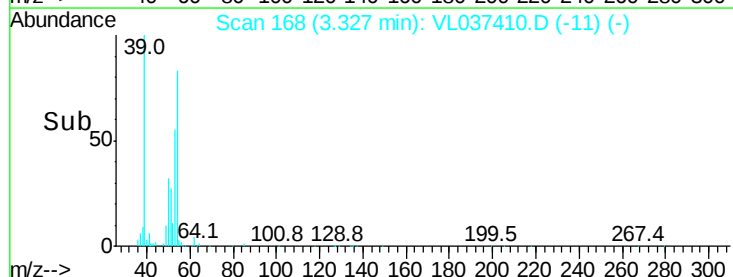
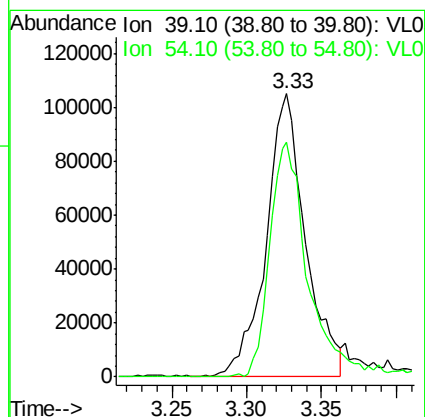
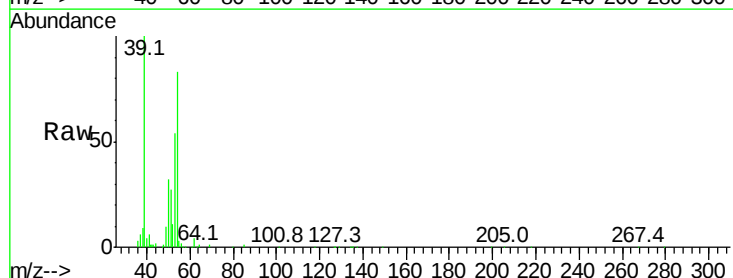
Acq: 12 Aug 2021 11:41

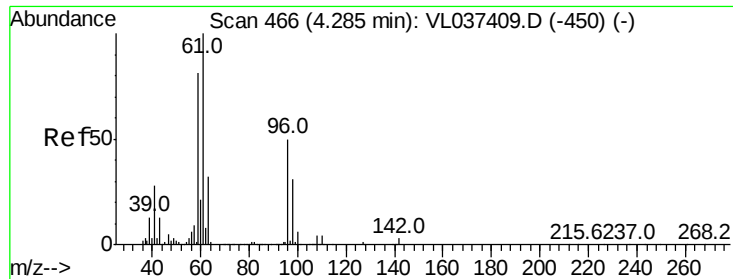
Tgt Ion: 39 Resp: 192377

Ion Ratio Lower Upper

39 100

54 82.6 61.4 92.0





#17

tert-Butyl alcohol

Concen: 1.718 ppbv

RT: 4.30 min Scan# 471

Delta R.T. 0.02 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

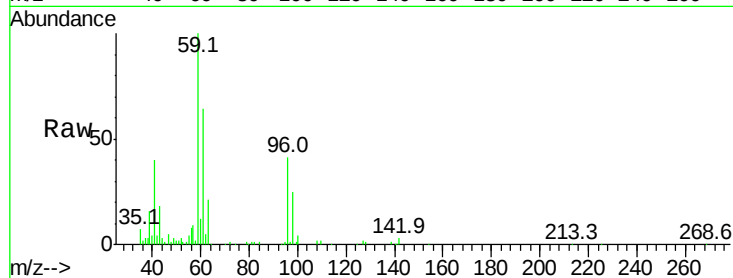
VSTDIC002

Tgt Ion: 59 Resp: 201182

Ion Ratio Lower Upper

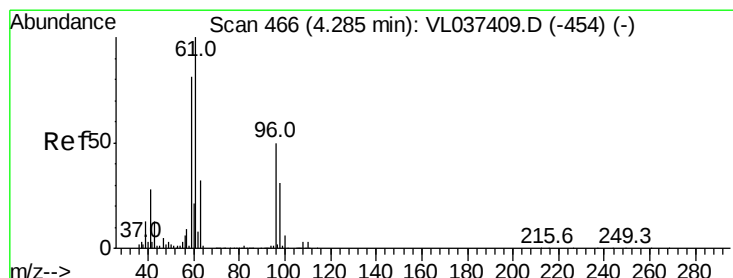
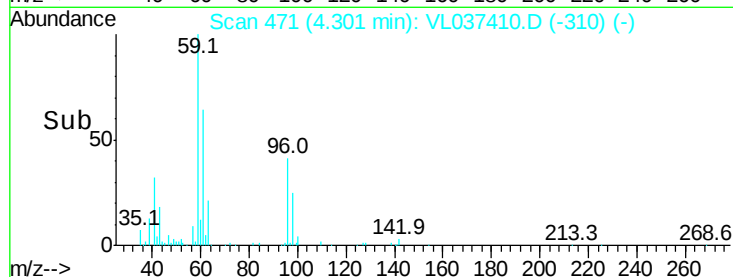
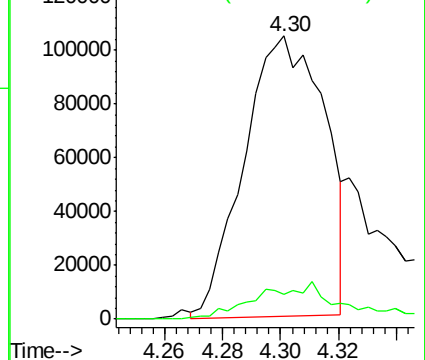
59 100

57 16.0 8.5 12.7#



Abundance Ion 59.10 (58.80 to 59.80): VL0

Ion 57.10 (56.80 to 57.80): VL0



#18

1,1-Dichloroethene

Concen: 2.123 ppbv

RT: 4.29 min Scan# 467

Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

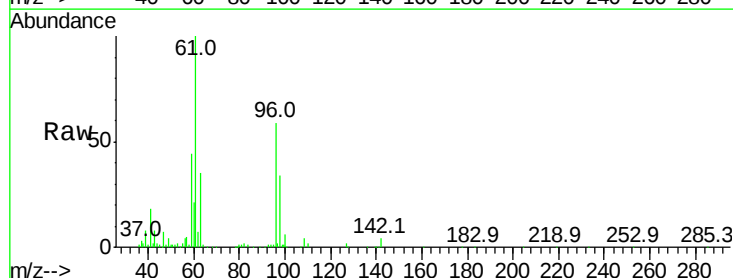
Tgt Ion: 96 Resp: 142980

Ion Ratio Lower Upper

96 100

61 168.7 159.0 238.4

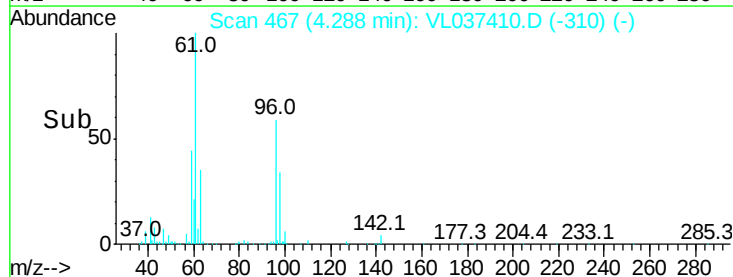
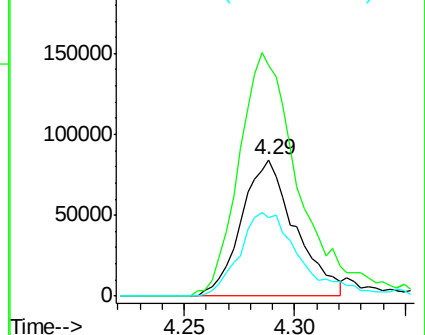
98 57.6 49.4 74.2

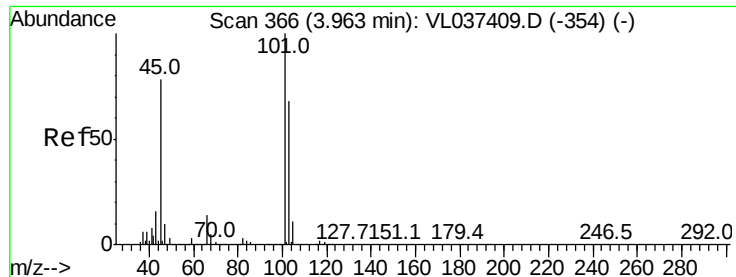


Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0





#19

Isopropyl Alcohol

Concen: 1.857 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.02 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

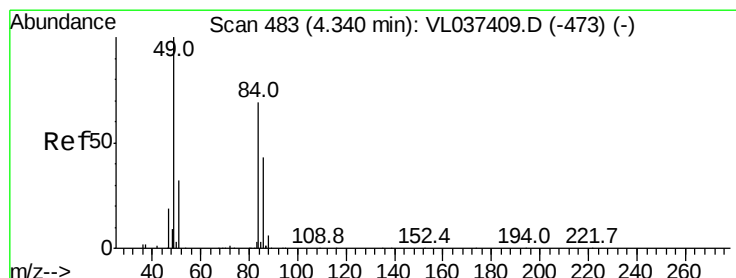
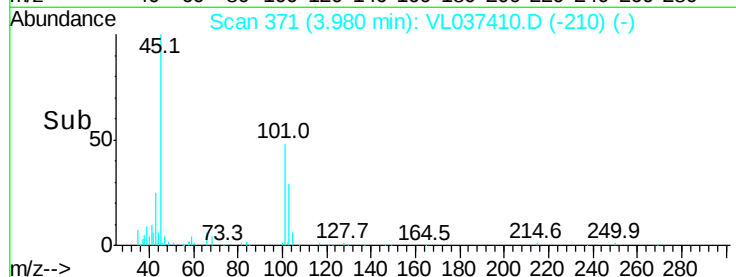
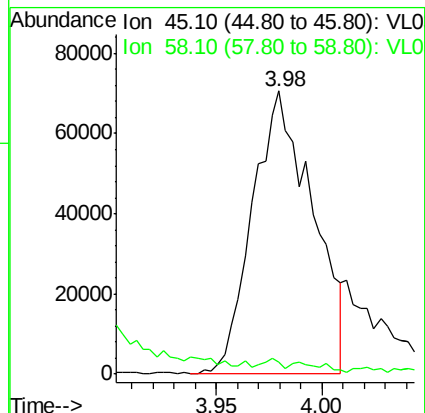
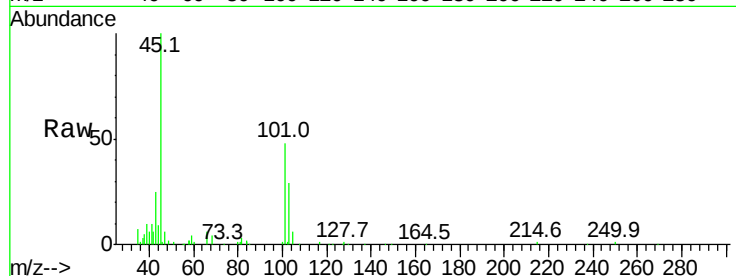
VSTDIC002

Tgt Ion: 45 Resp: 139955

Ion Ratio Lower Upper

45 100

58 114.3 2.2 3.4#



#20

Methylene Chloride

Concen: 1.184 ppbv

RT: 4.34 min Scan# 483

Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Tgt Ion: 84 Resp: 84140

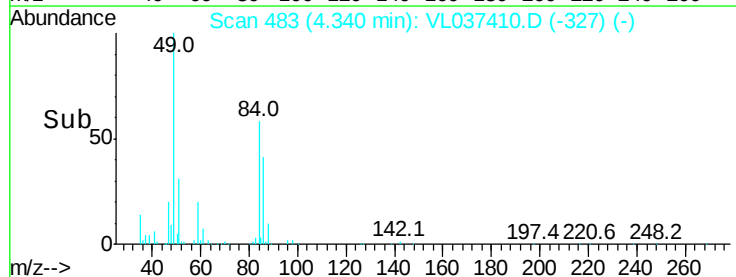
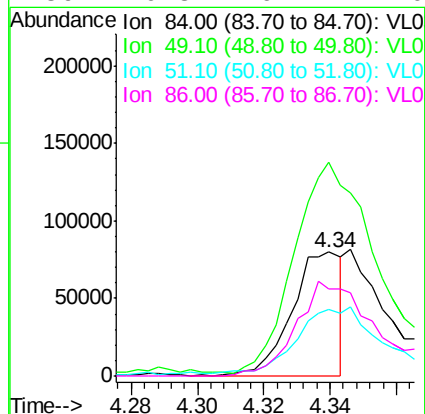
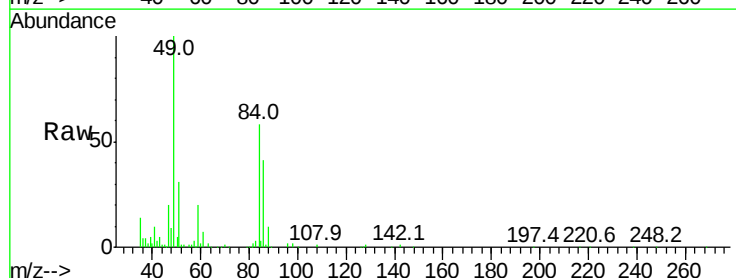
Ion Ratio Lower Upper

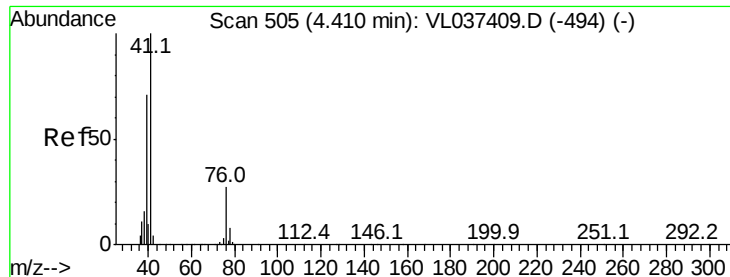
84 100

49 168.0 116.0 174.0

51 50.7 37.1 55.7

86 70.3 49.4 74.0

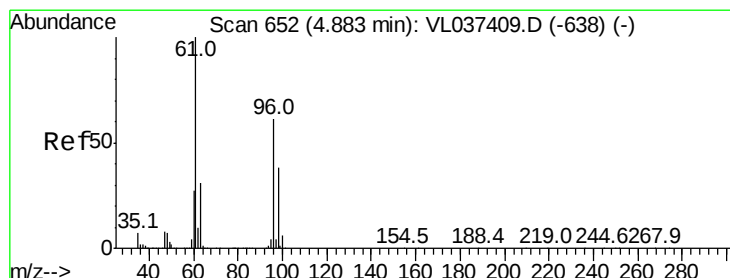
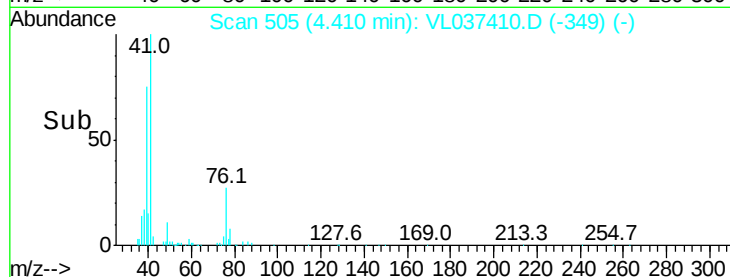
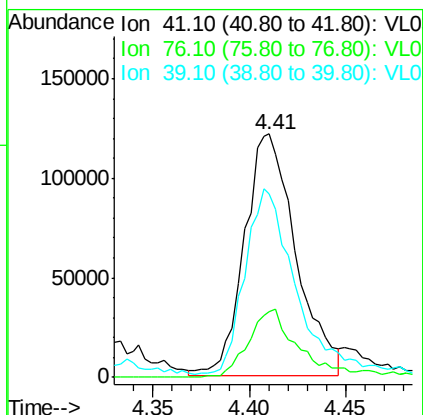
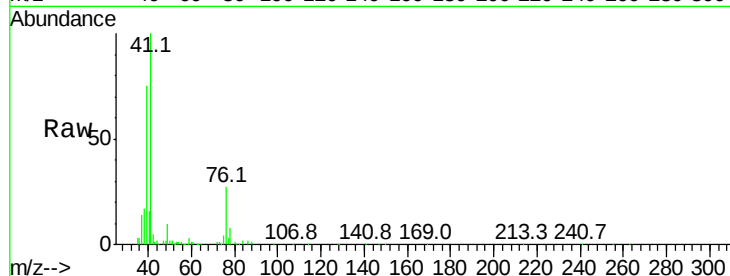




#21
 Allyl Chloride
 Concen: 2.191 ppbv
 RT: 4.41 min Scan# 505
 Delta R.T. 0.00 min
 Lab File: VL037410.D
 Acq: 12 Aug 2021 11:41

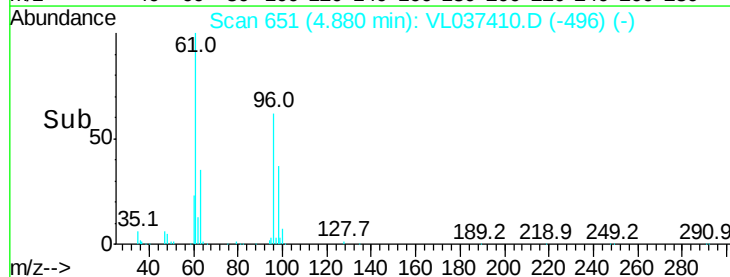
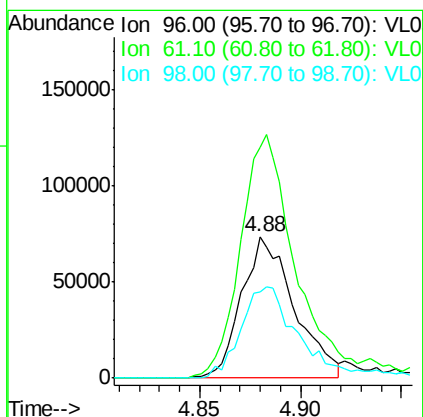
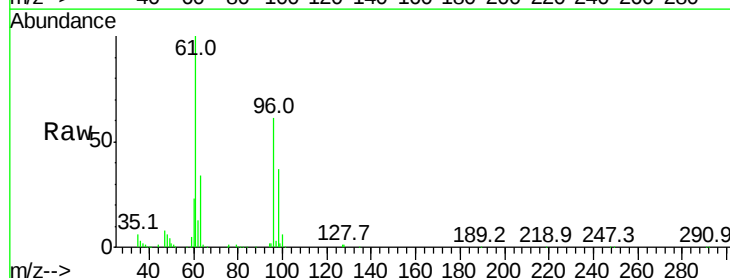
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

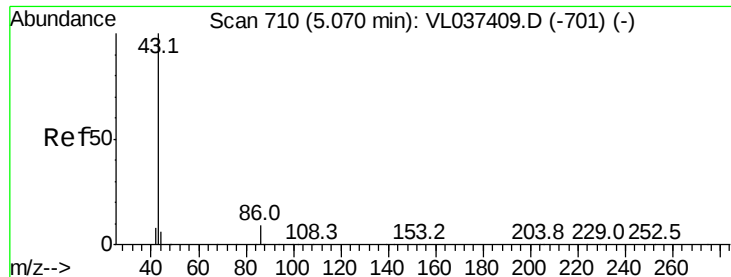
Tgt Ion: 41 Resp: 225037
 Ion Ratio Lower Upper
 41 100
 76 28.8 23.7 35.5
 39 82.7 62.3 93.5



#22
 trans-1,2-Dichloroethene
 Concen: 2.112 ppbv
 RT: 4.88 min Scan# 651
 Delta R.T. -0.00 min
 Lab File: VL037410.D
 Acq: 12 Aug 2021 11:41

Tgt Ion: 96 Resp: 134397
 Ion Ratio Lower Upper
 96 100
 61 163.1 131.0 196.4
 98 61.2 50.2 75.4





#23

Vinyl Acetate

Concen: 2.305 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion: 43 Resp: 485086

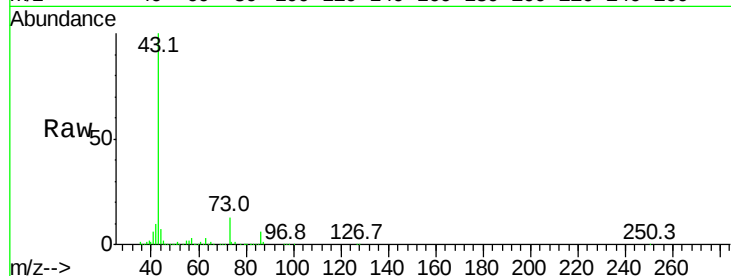
Ion Ratio Lower Upper

43 100

86 6.2 5.8 8.8

42 9.2 7.7 11.5

44 6.5 4.0 6.0#

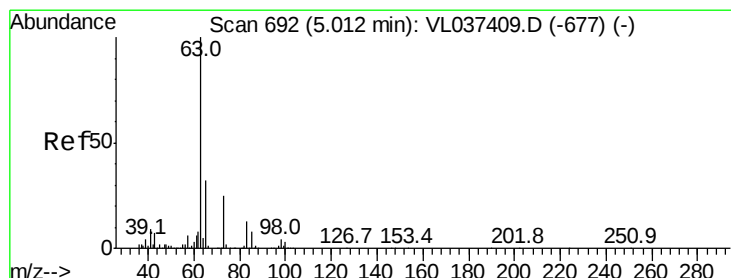
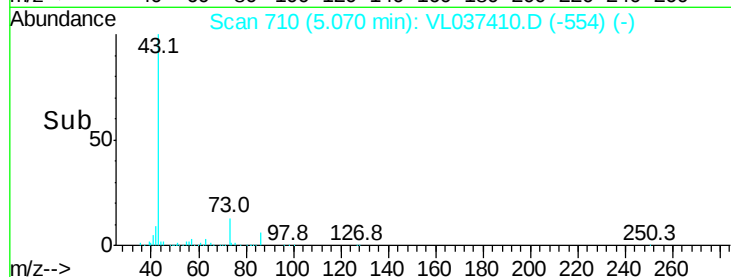
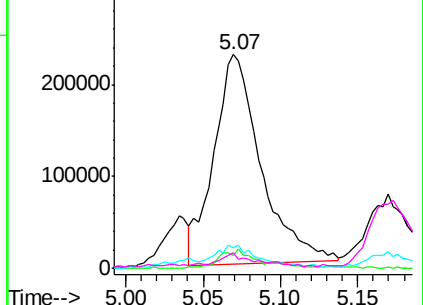


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 2.127 ppbv

RT: 5.01 min Scan# 691

Delta R.T. -0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

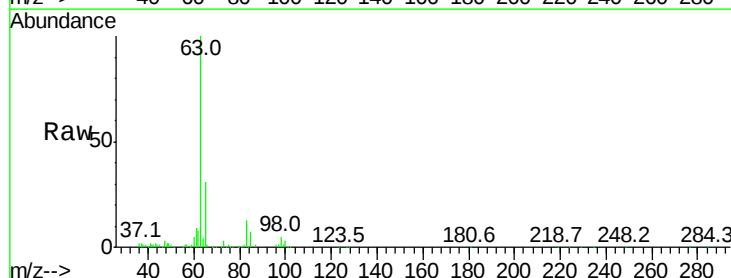
Tgt Ion: 63 Resp: 352033

Ion Ratio Lower Upper

63 100

98 4.1 2.1 6.3

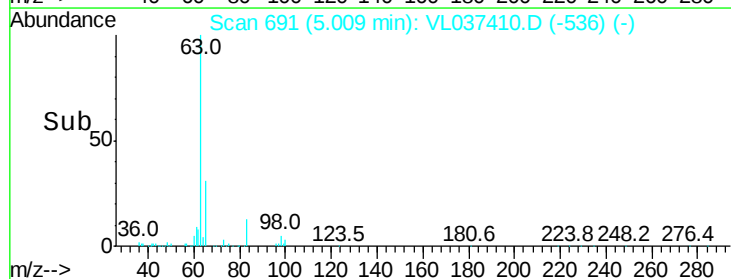
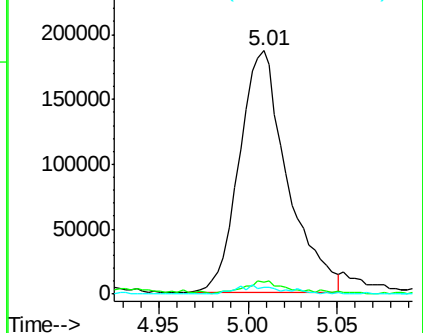
100 2.8 1.6 4.7

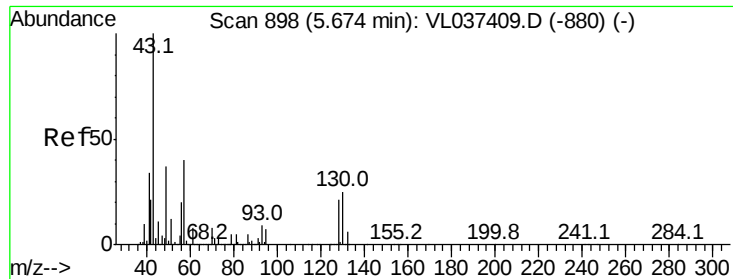


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

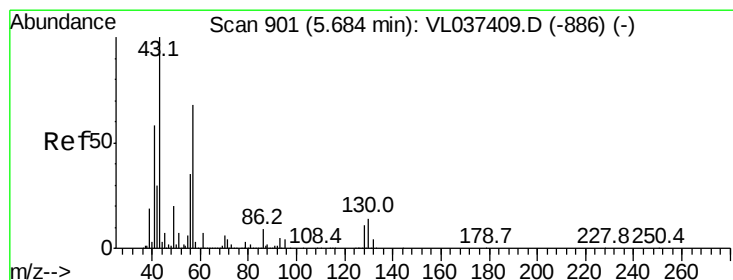
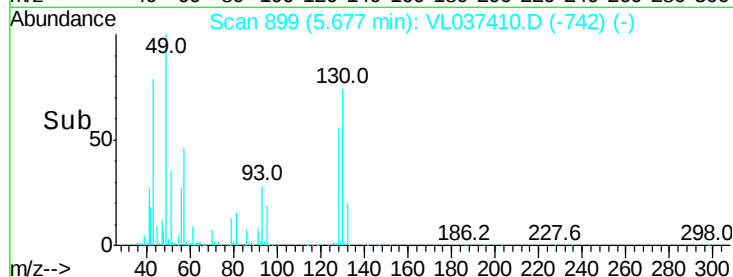
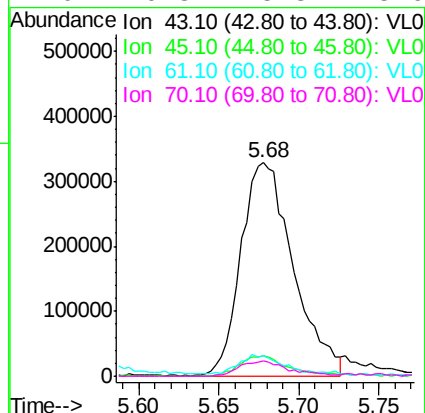
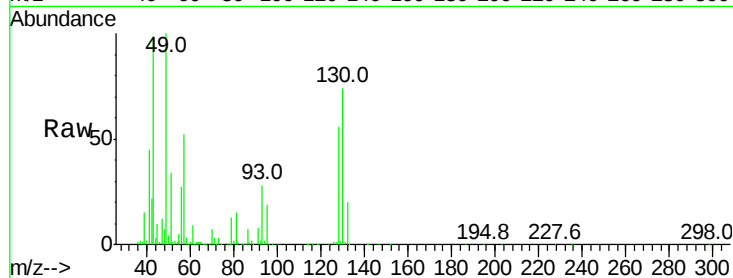




#25
Ethyl Acetate
Concen: 2.188 ppbv
RT: 5.68 min Scan# 899
Delta R.T. 0.00 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

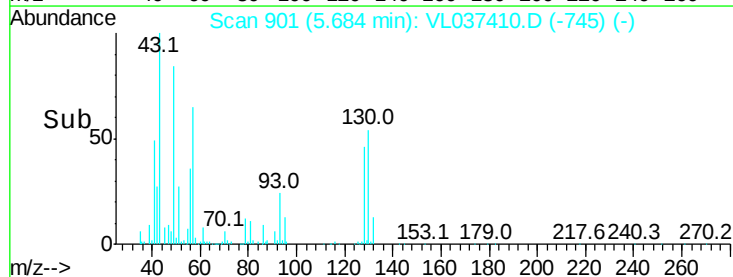
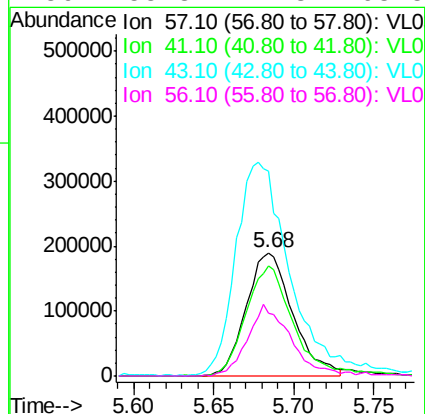
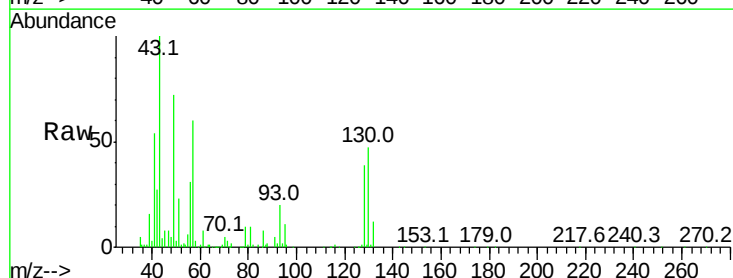
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

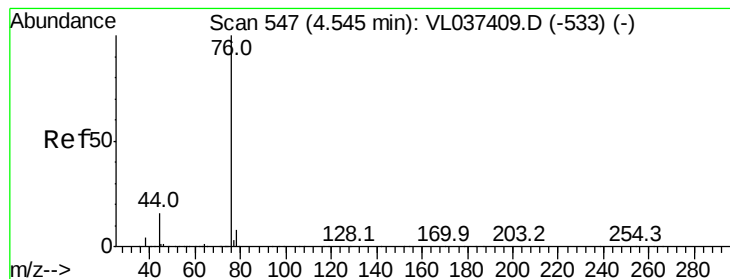
Tgt Ion:	43	Resp:	733306
Ion	Ratio	Lower	Upper
43	100		
45	9.5	7.9	11.9
61	10.2	7.7	11.5
70	6.8	5.8	8.6



#26
Hexane
Concen: 2.235 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.00 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

Tgt Ion:	57	Resp:	379352
Ion	Ratio	Lower	Upper
57	100		
41	94.1	72.5	108.7
43	209.5	169.3	253.9
56	55.3	42.3	63.5





#27

Carbon Disulfide

Concen: 2.119 ppbv

RT: 4.55 min Scan# 548

Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

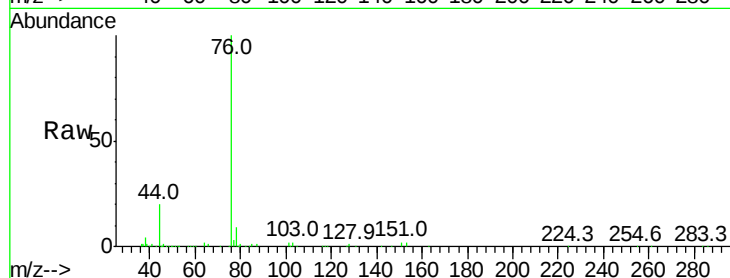
Tgt Ion: 76 Resp: 301395

Ion Ratio Lower Upper

76 100

44 21.7 14.4 21.6#

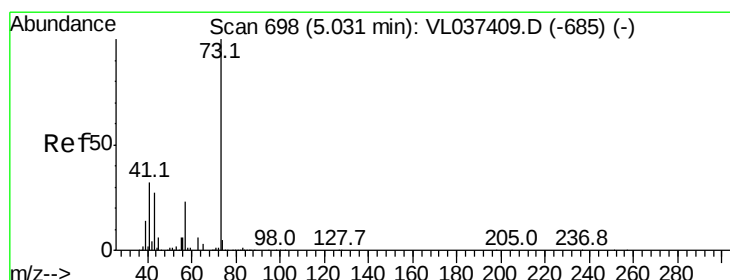
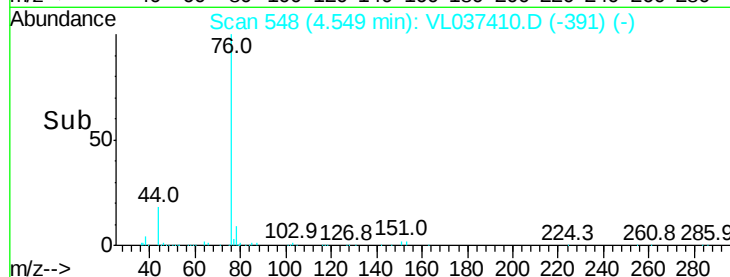
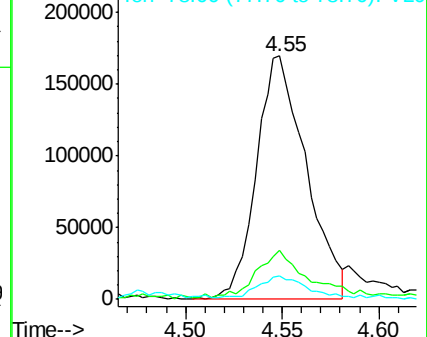
78 11.4 8.0 12.0



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: 2.236 ppbv

RT: 5.03 min Scan# 699

Delta R.T. 0.00 min

Lab File: VL037410.D

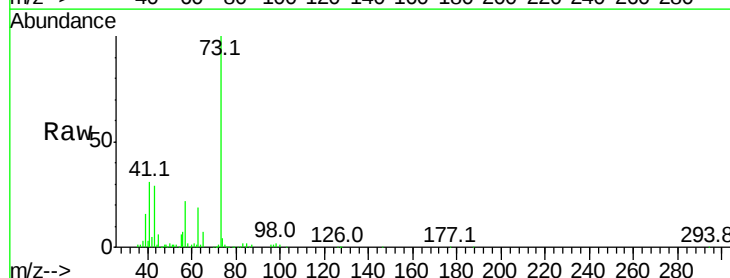
Acq: 12 Aug 2021 11:41

Tgt Ion: 73 Resp: 405381

Ion Ratio Lower Upper

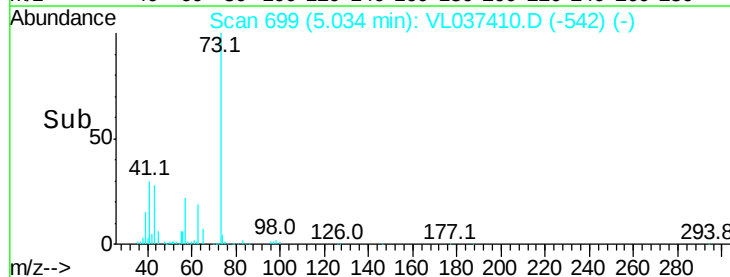
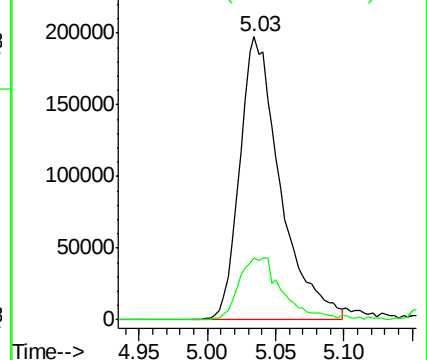
73 100

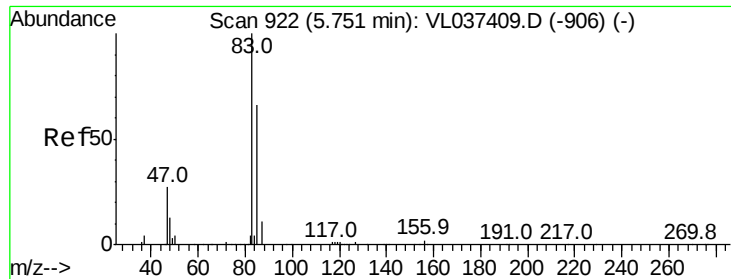
57 24.4 19.0 28.4



Abundance Ion 73.10 (72.80 to 73.80): VL0

Ion 57.10 (56.80 to 57.80): VL0





#29

Chloroform

Concen: 2.124 ppbv

RT: 5.75 min Scan# 921

Delta R.T. -0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

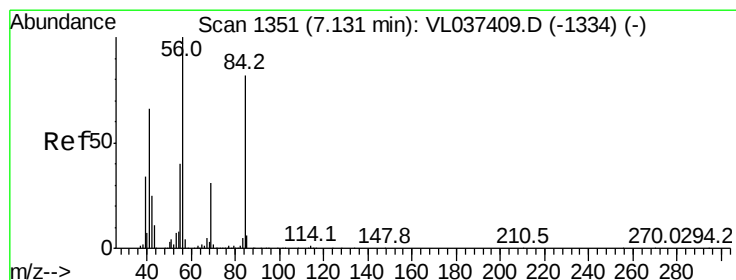
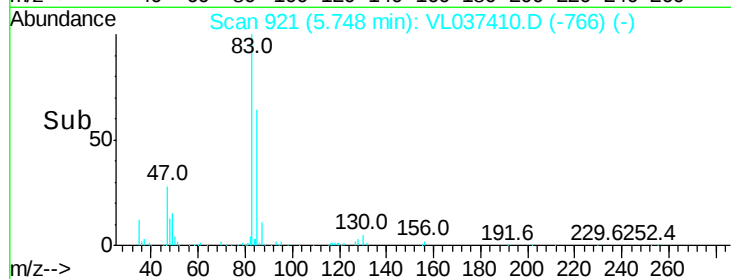
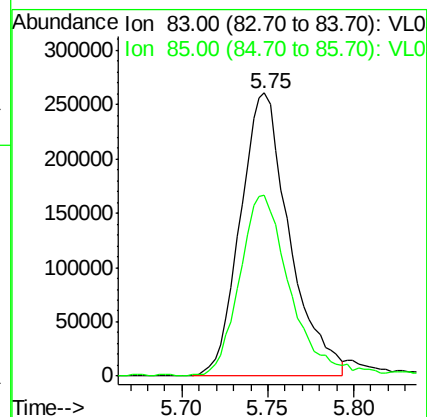
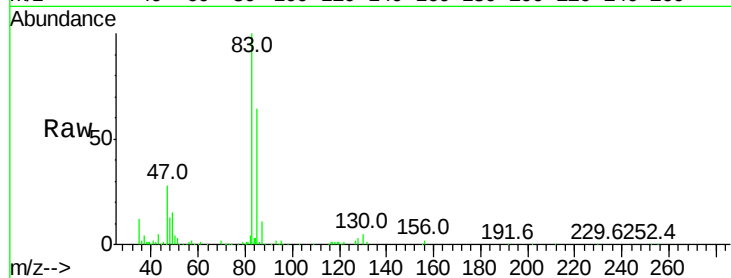
VSTDIC002

Tgt Ion: 83 Resp: 517030

Ion Ratio Lower Upper

83 100

85 63.3 52.4 78.6



#30

Cyclohexane

Concen: 1.084 ppbv

RT: 7.13 min Scan# 1350

Delta R.T. -0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

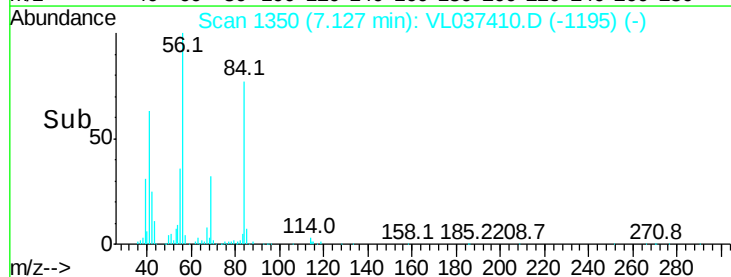
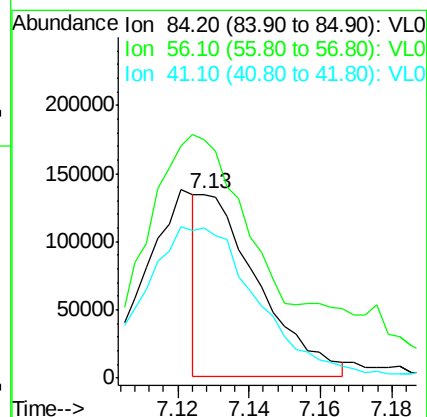
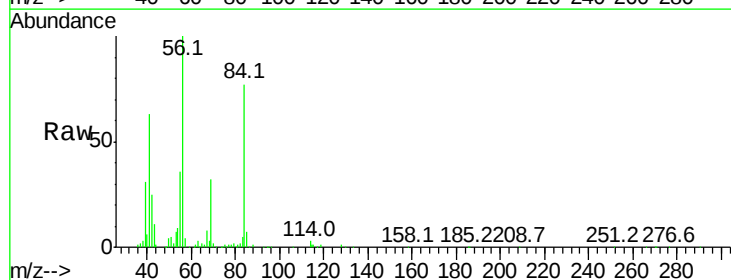
Tgt Ion: 84 Resp: 152294

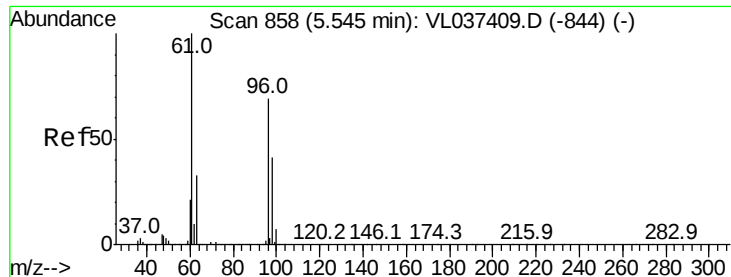
Ion Ratio Lower Upper

84 100

56 319.2 109.6 164.4#

41 0.0 66.6 99.8#



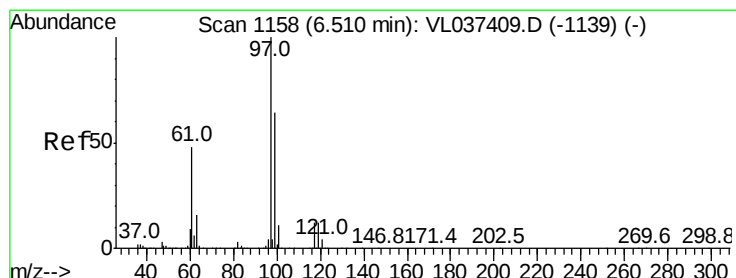
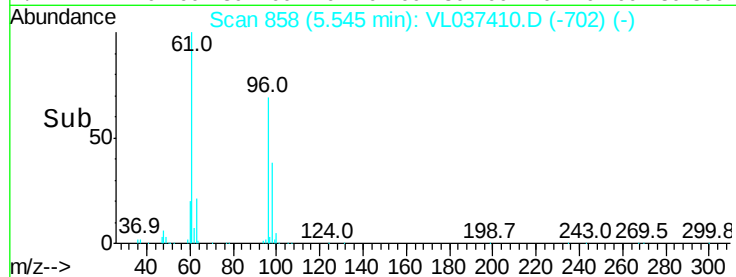
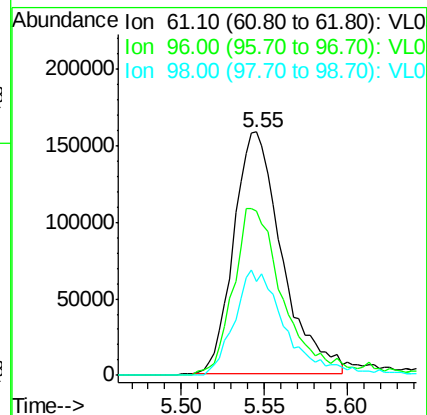
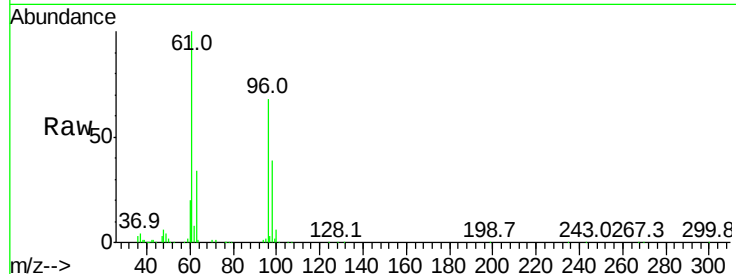


#31

cis-1,2-Dichloroethene
Concen: 2.117 ppbv
RT: 5.55 min Scan# 858
Delta R.T. 0.00 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

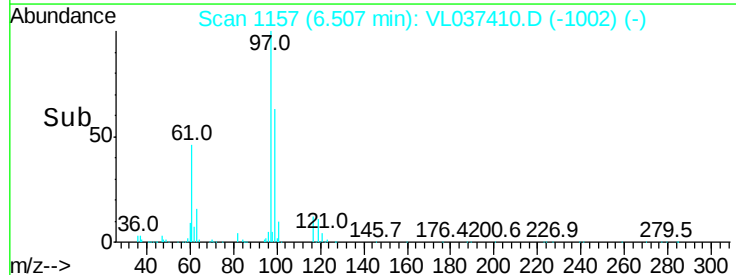
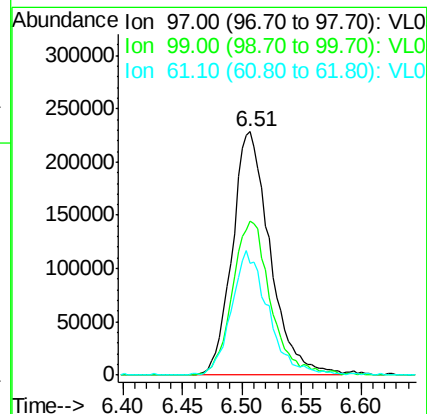
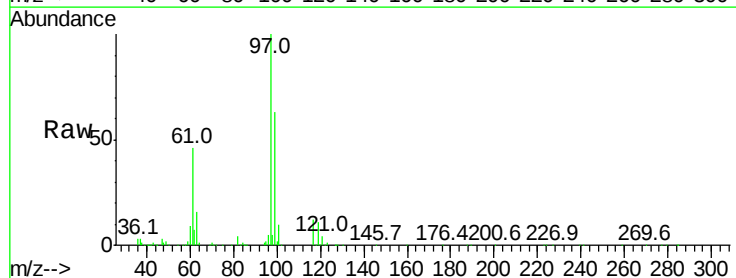
Tgt Ion:	61	Resp:	322004
Ion	Ratio	Lower	Upper
61	100		
96	67.9	55.5	83.3
98	38.8	33.1	49.7

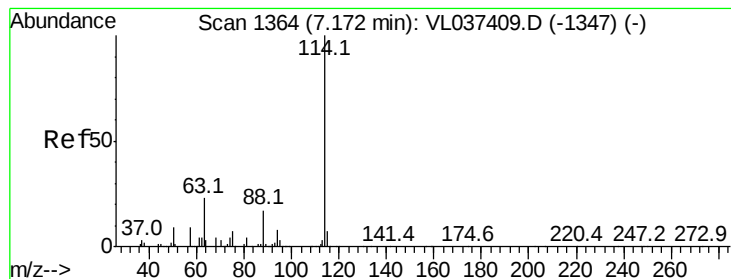


#32

1,1,1-Trichloroethane
Concen: 2.125 ppbv
RT: 6.51 min Scan# 1157
Delta R.T. -0.00 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

Tgt Ion:	97	Resp:	501567
Ion	Ratio	Lower	Upper
97	100		
99	64.3	52.3	78.5
61	49.6	40.1	60.1





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

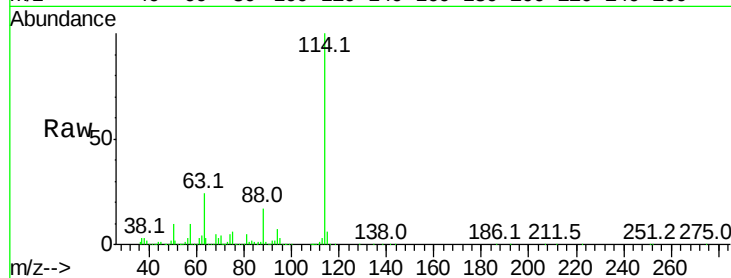
Tgt Ion:114 Resp: 4100178

Ion Ratio Lower Upper

114 100

63 24.5 19.4 29.2

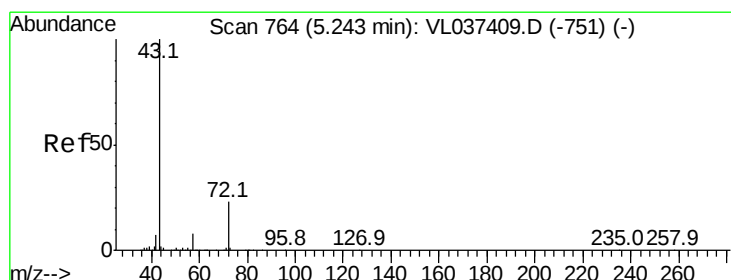
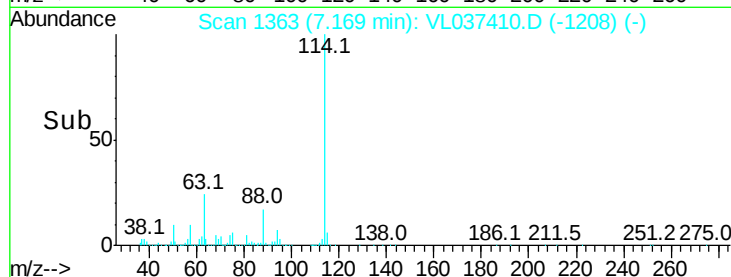
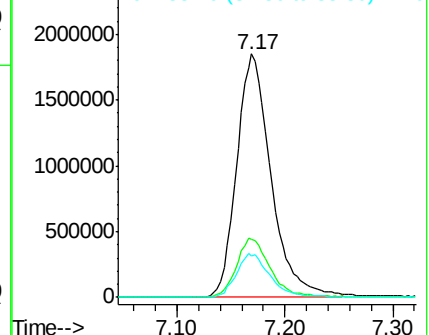
88 17.8 14.2 21.4



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



#34

2-Butanone

Concen: 1.998 ppbv

RT: 5.24 min Scan# 764

Delta R.T. 0.00 min

Lab File: VL037410.D

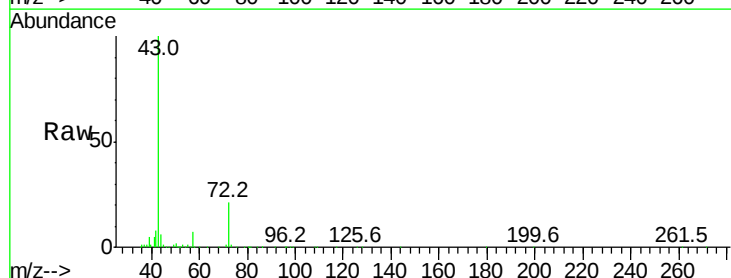
Acq: 12 Aug 2021 11:41

Tgt Ion: 43 Resp: 311338

Ion Ratio Lower Upper

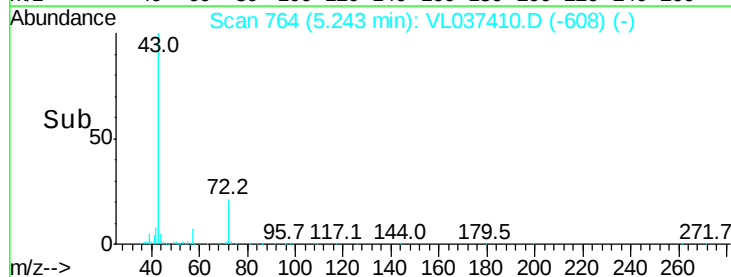
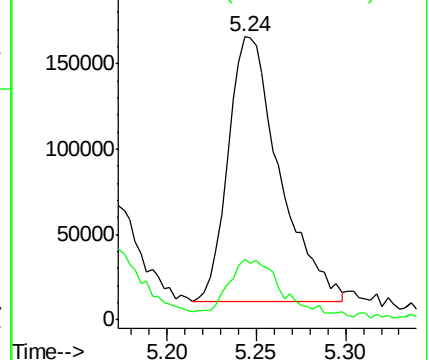
43 100

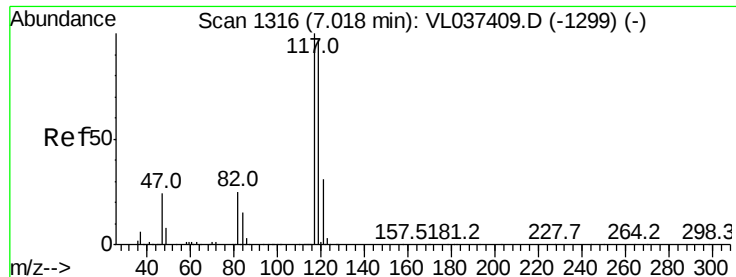
72 28.2 17.7 26.5#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0





#35

Carbon Tetrachloride

Concen: 2.253 ppbv

RT: 7.01 min Scan# 1314

Delta R.T. -0.01 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

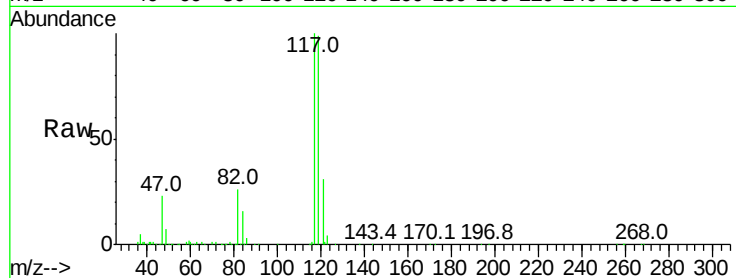
Tgt Ion: 117 Resp: 515073

Ion Ratio Lower Upper

117 100

119 98.6 77.5 116.3

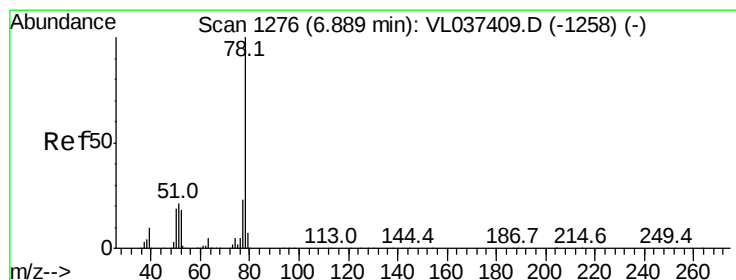
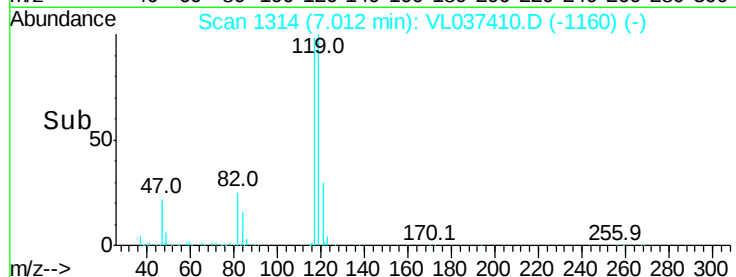
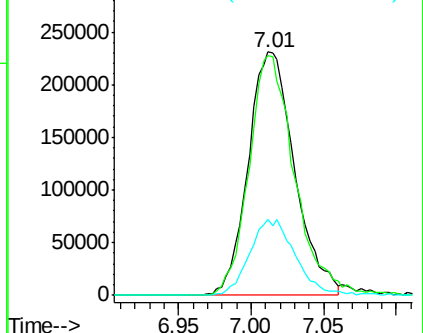
121 31.4 24.7 37.1



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: 2.272 ppbv

RT: 6.89 min Scan# 1275

Delta R.T. -0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

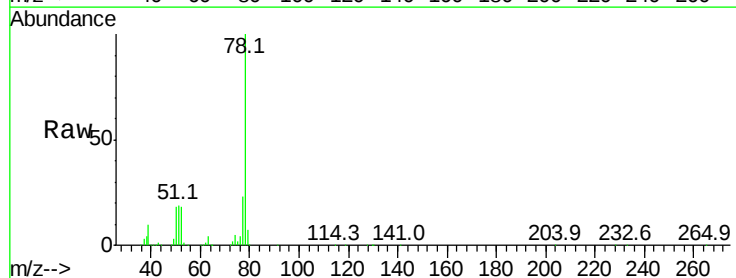
Tgt Ion: 78 Resp: 739296

Ion Ratio Lower Upper

78 100

77 22.5 18.6 27.8

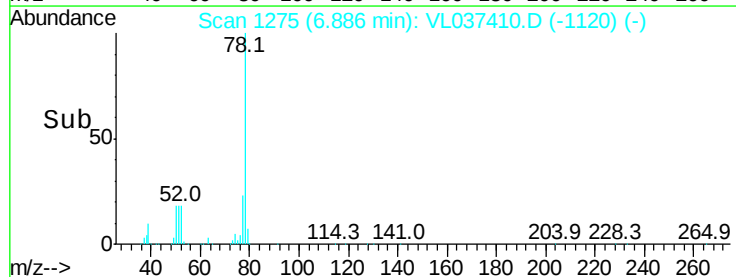
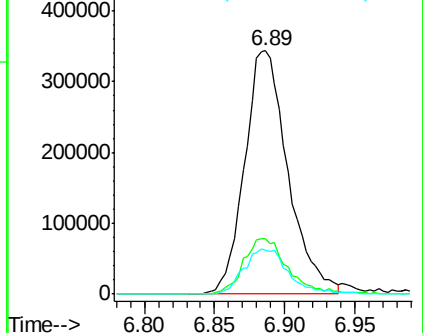
50 18.1 14.9 22.3

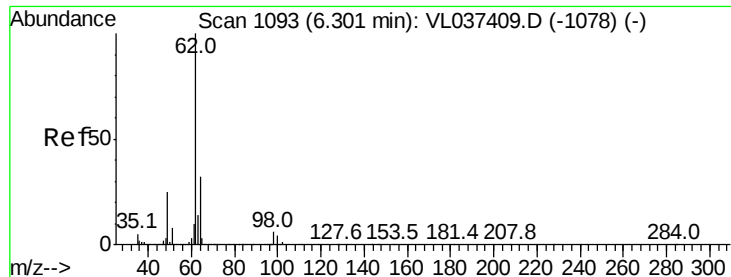


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

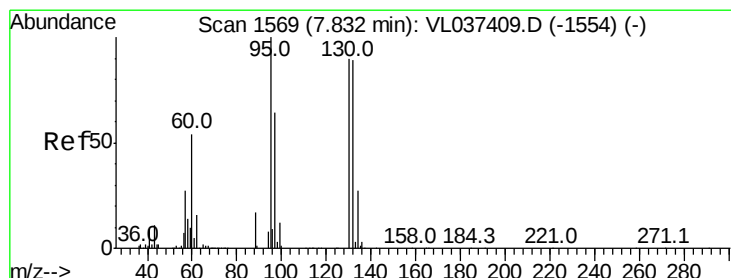
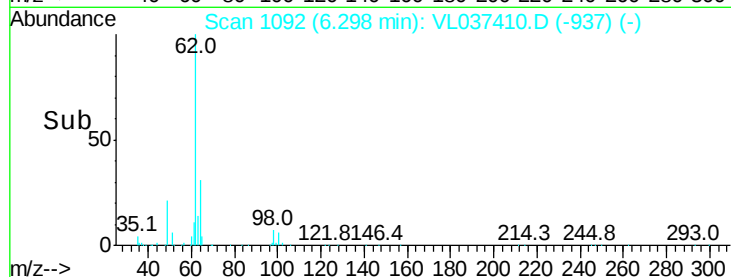
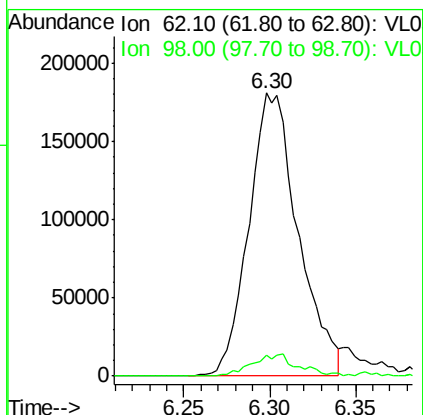
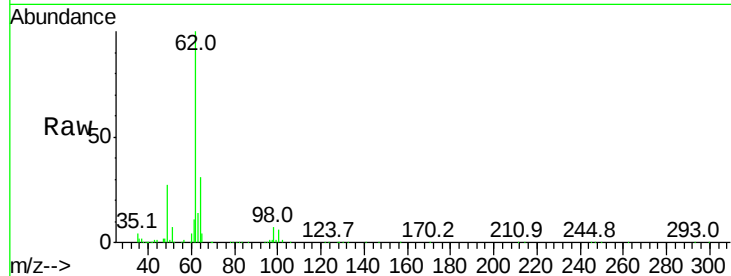




#37
 1,2-Dichloroethane
 Concen: 2.167 ppbv
 RT: 6.30 min Scan# 1092
 Delta R.T. -0.00 min
 Lab File: VL037410.D
 Acq: 12 Aug 2021 11:41

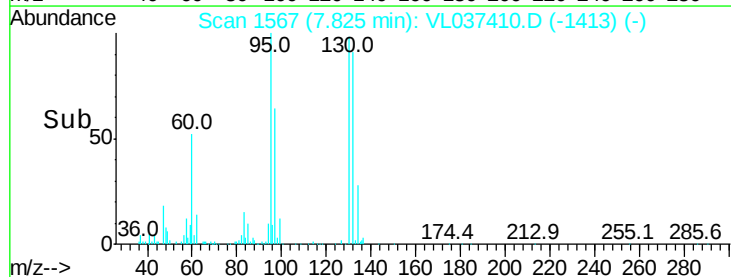
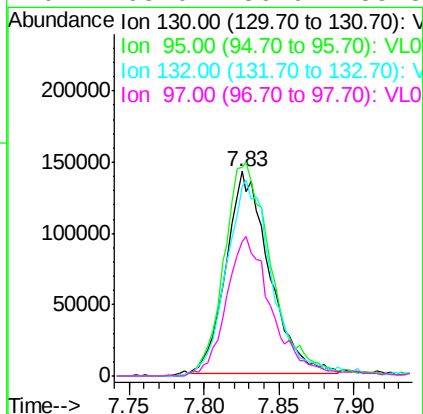
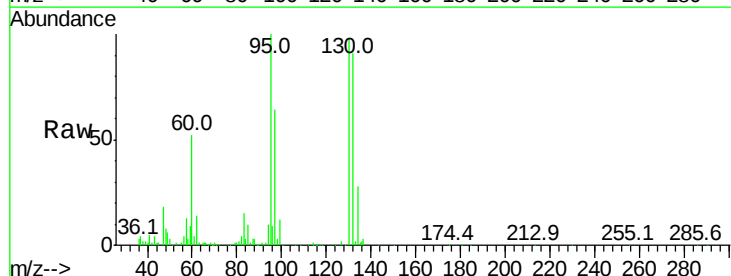
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

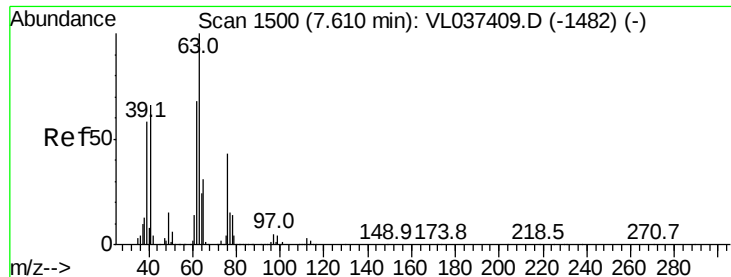
Tgt Ion: 62 Resp: 360583
 Ion Ratio Lower Upper
 62 100
 98 7.7 5.4 8.2



#38
 Trichloroethene
 Concen: 2.064 ppbv
 RT: 7.83 min Scan# 1567
 Delta R.T. -0.01 min
 Lab File: VL037410.D
 Acq: 12 Aug 2021 11:41

Tgt Ion: 130 Resp: 285962
 Ion Ratio Lower Upper
 130 100
 95 101.8 88.6 132.8
 132 92.0 79.2 118.8
 97 65.0 56.9 85.3





#39

1,2-Dichloropropane

Concen: 2.324 ppbv

RT: 7.61 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

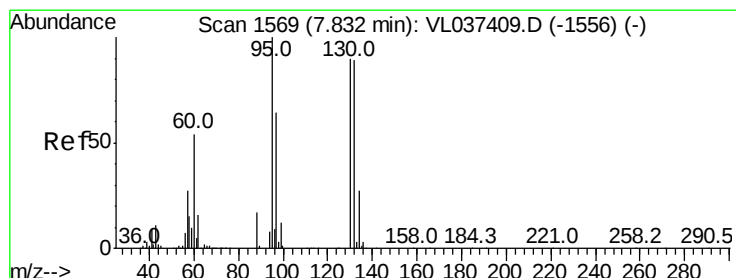
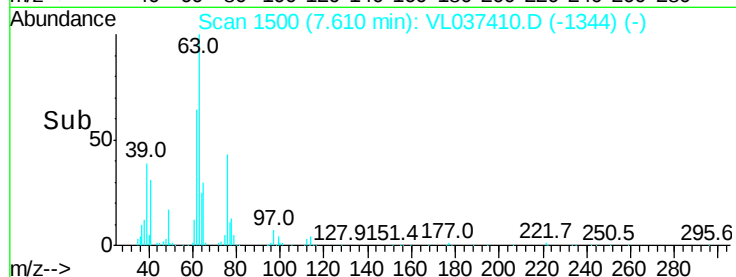
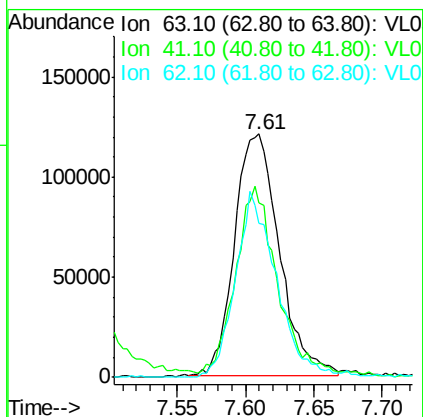
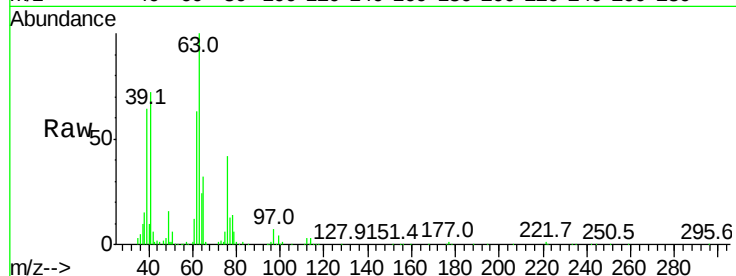
Tgt Ion: 63 Resp: 276393

Ion Ratio Lower Upper

63 100

41 70.1 53.0 79.6

62 63.9 54.5 81.7



#40

1,4-Dioxane

Concen: 0.773 ppbv

RT: 7.84 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Tgt Ion: 88 Resp: 24490

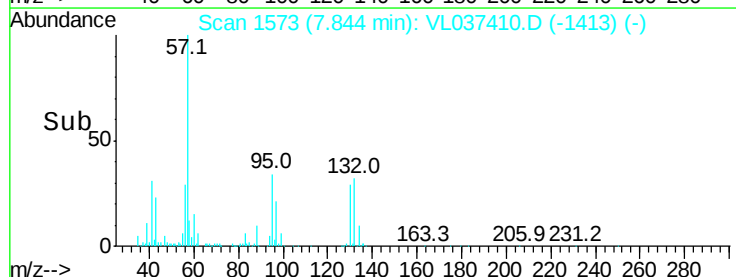
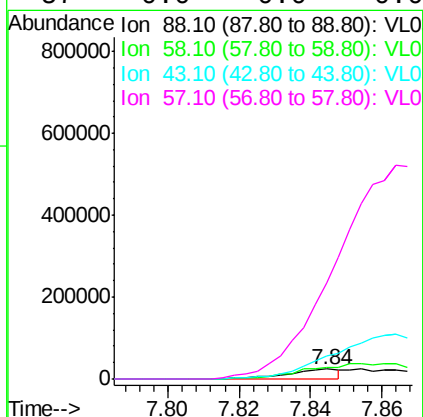
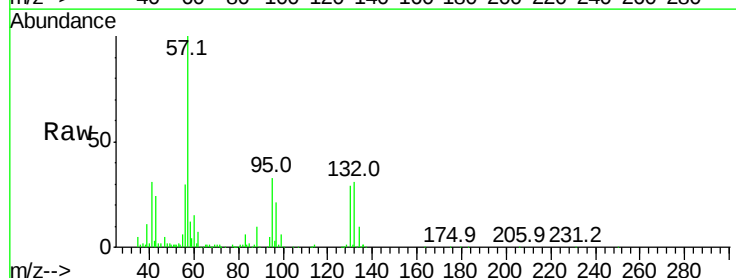
Ion Ratio Lower Upper

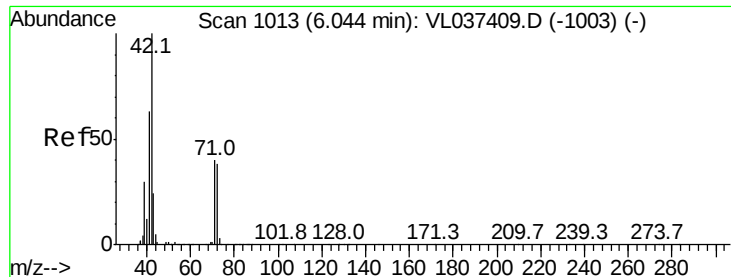
88 100

58 0.0 0.0 0.0

43 0.0 0.0 0.0

57 0.0 0.0 0.0





#41

Tetrahydrofuran

Concen: 1.840 ppbv

RT: 6.06 min Scan# 1017

Delta R.T. 0.01 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

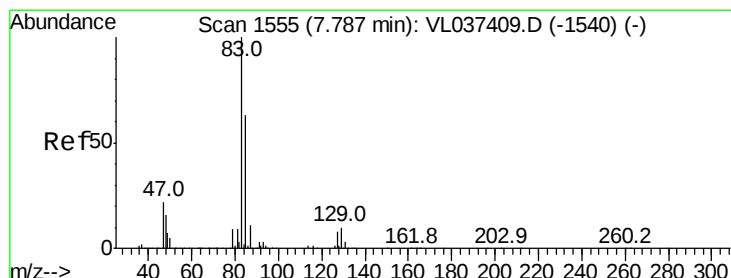
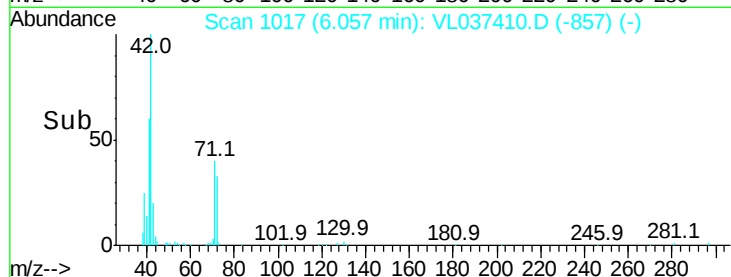
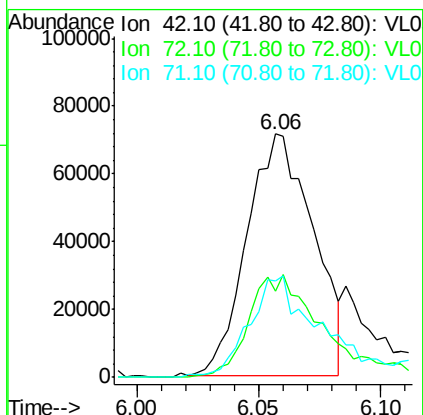
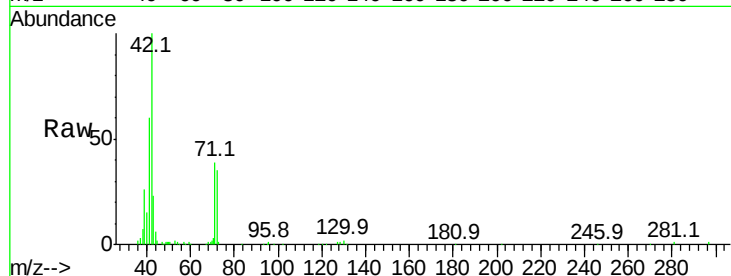
Tgt Ion: 42 Resp: 134764

Ion Ratio Lower Upper

42 100

72 50.1 33.5 50.3

71 50.3 32.6 48.8#



#42

Bromodichloromethane

Concen: 2.318 ppbv

RT: 7.79 min Scan# 1555

Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

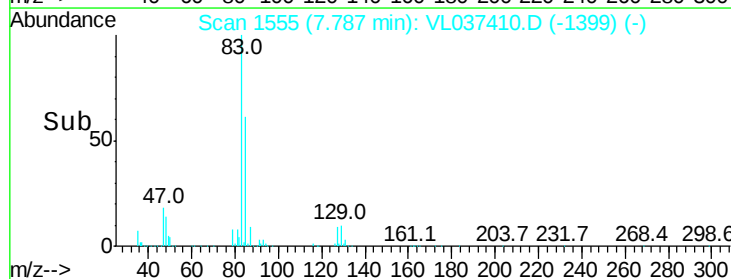
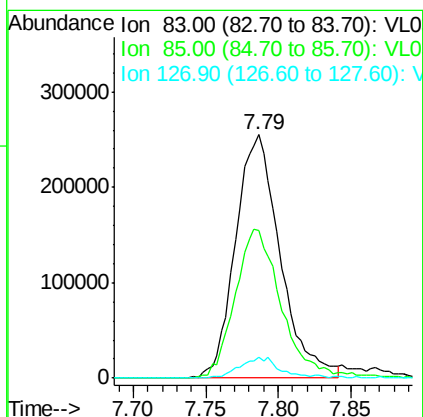
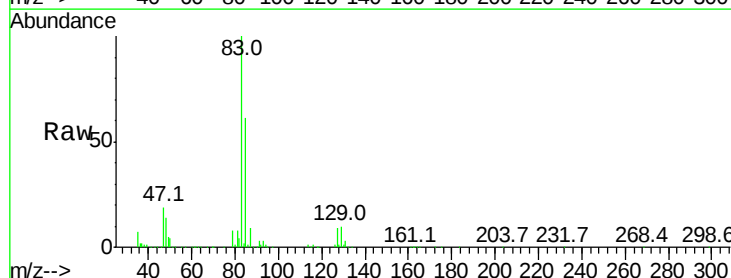
Tgt Ion: 83 Resp: 545413

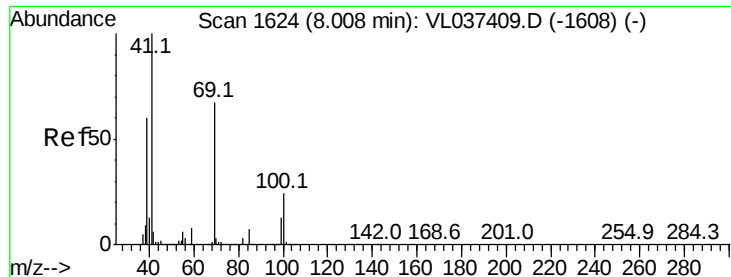
Ion Ratio Lower Upper

83 100

85 60.3 50.2 75.2

127 8.6 6.6 9.8

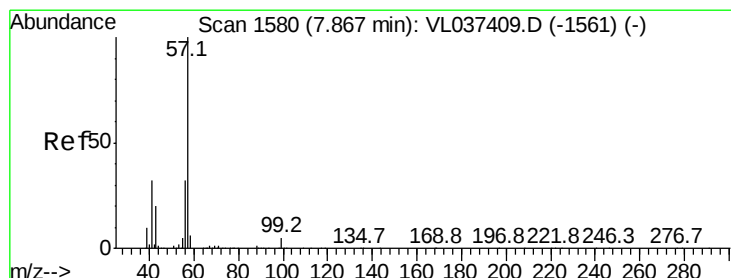
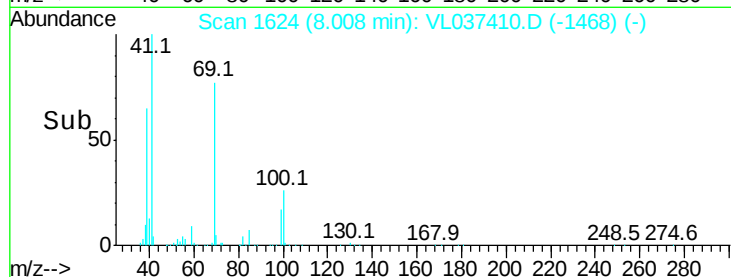
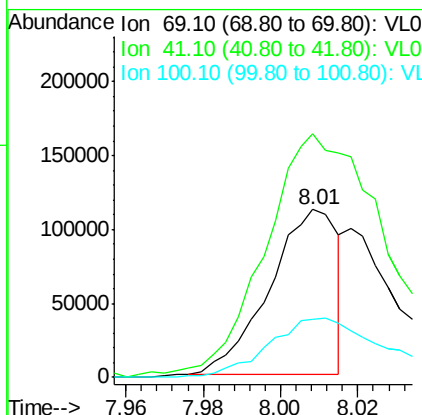
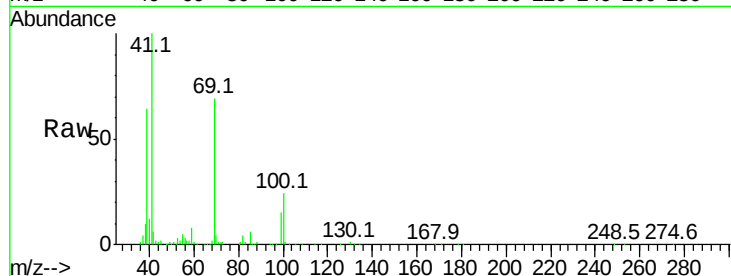




#43
Methyl Methacrylate
Concen: 1.213 ppbv
RT: 8.01 min Scan# 1624
Delta R.T. 0.00 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

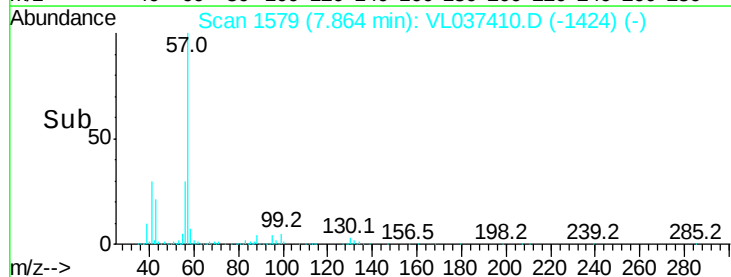
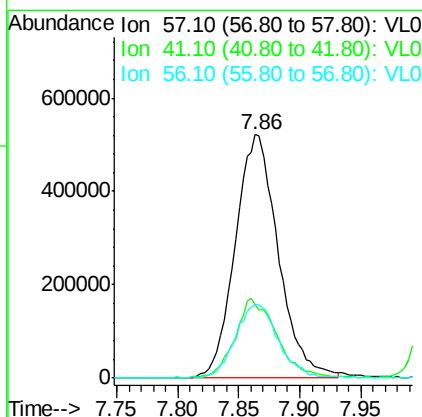
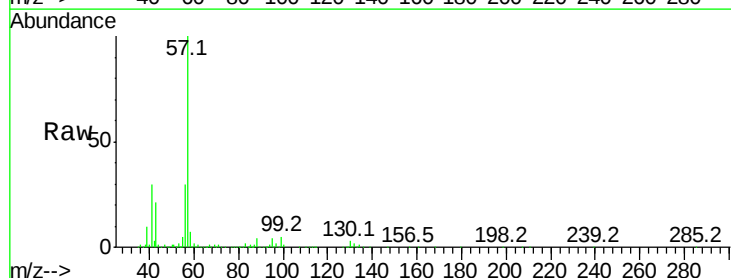
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

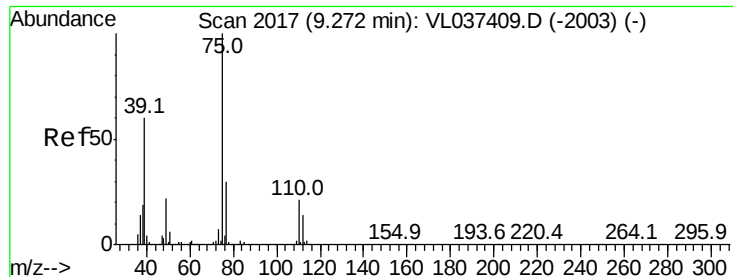
Tgt Ion: 69 Resp: 137353
Ion Ratio Lower Upper
69 100
41 268.6 118.1 177.1#
100 63.2 27.6 41.4#



#44
2,2,4-Trimethylpentane
Concen: 2.333 ppbv
RT: 7.86 min Scan# 1579
Delta R.T. -0.00 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

Tgt Ion: 57 Resp: 1266183
Ion Ratio Lower Upper
57 100
41 32.0 26.4 39.6
56 31.0 25.0 37.4

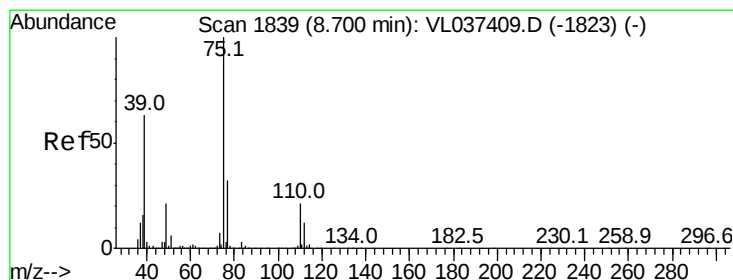
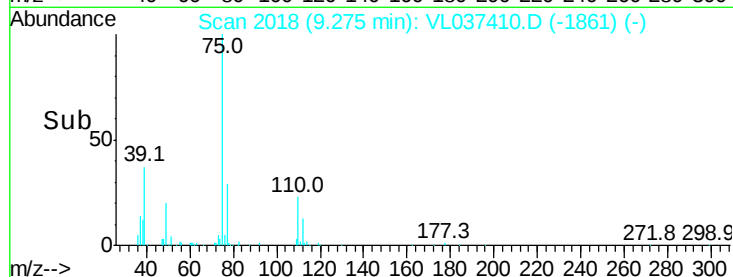
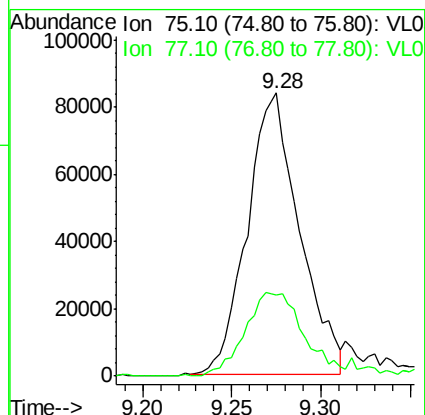
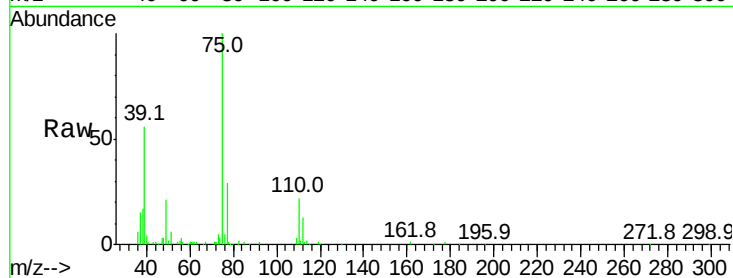




#45
t-1,3-Dichloropropene
Concen: 2.004 ppbv
RT: 9.28 min Scan# 2018
Delta R.T. 0.00 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

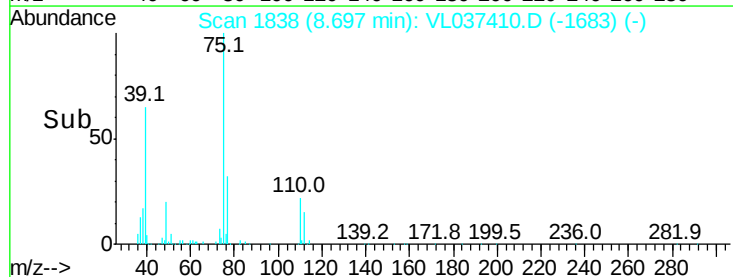
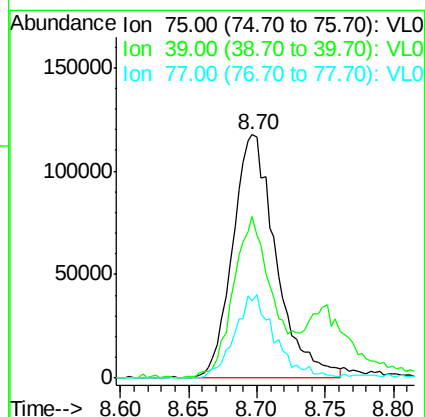
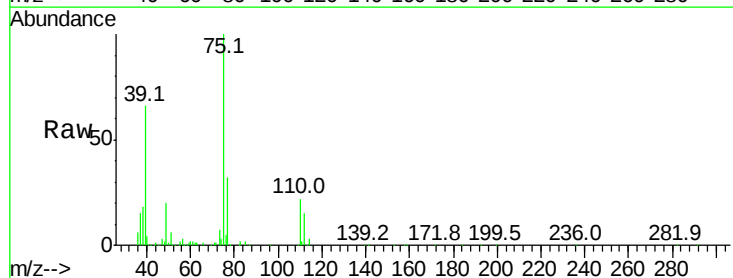
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

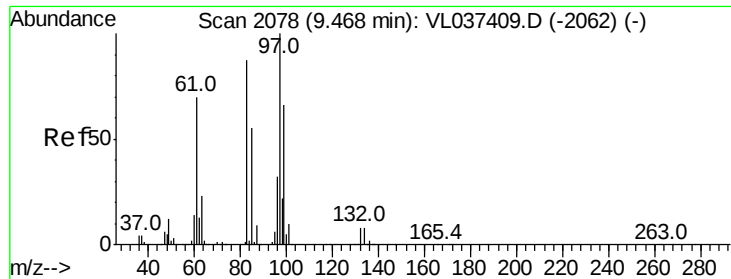
Tgt Ion: 75 Resp: 170407
Ion Ratio Lower Upper
75 100
77 30.3 24.2 36.2



#46
cis-1,3-Dichloropropene
Concen: 2.264 ppbv
RT: 8.70 min Scan# 1838
Delta R.T. -0.00 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

Tgt Ion: 75 Resp: 260386
Ion Ratio Lower Upper
75 100
39 65.9 50.1 75.1
77 31.6 25.8 38.8

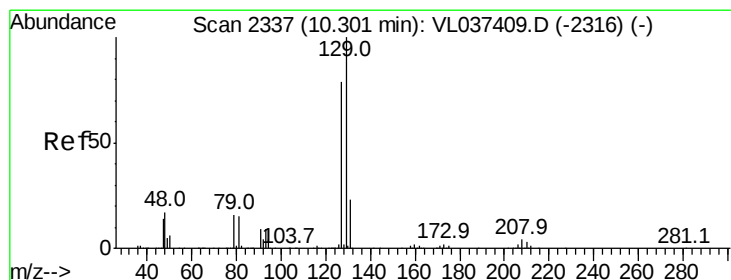
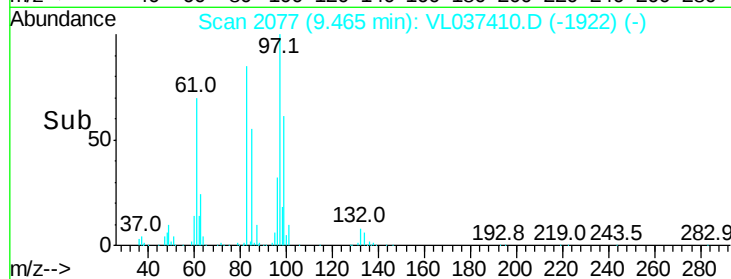
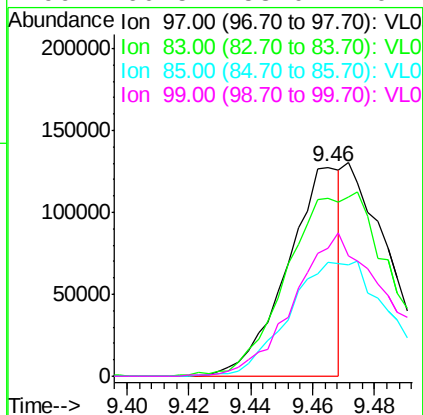
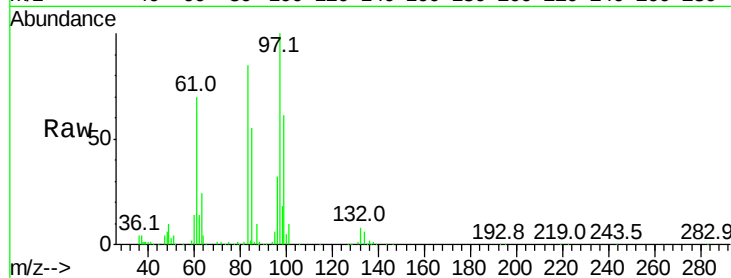




#47
 1,1,2-Trichloroethane
 Concen: 1.126 ppbv
 RT: 9.46 min Scan# 2077
 Delta R.T. -0.00 min
 Lab File: VL037410.D
 Acq: 12 Aug 2021 11:41

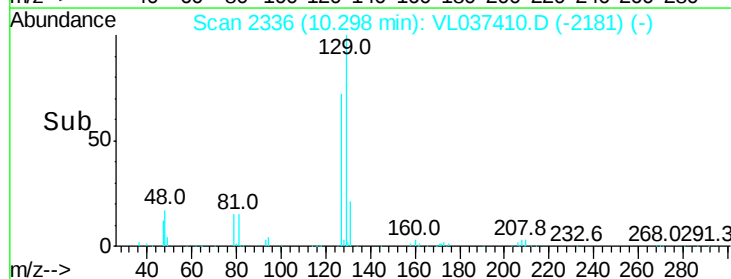
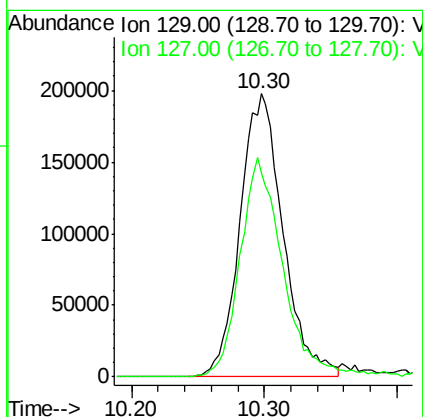
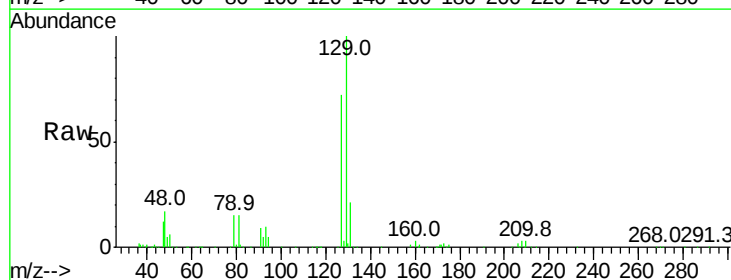
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

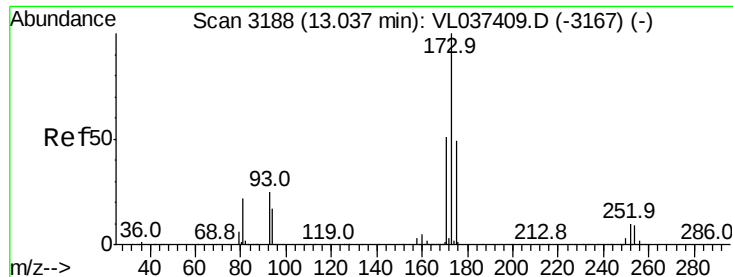
Tgt Ion:	97	Resp:	150940
Ion	Ratio	Lower	Upper
97	100		
83	85.1	69.5	104.3
85	54.9	43.8	65.8
99	60.5	53.0	79.4



#48
 Dibromochloromethane
 Concen: 2.253 ppbv
 RT: 10.30 min Scan# 2336
 Delta R.T. -0.00 min
 Lab File: VL037410.D
 Acq: 12 Aug 2021 11:41

Tgt Ion:	129	Resp:	445440
Ion	Ratio	Lower	Upper
129	100		
127	77.6	39.6	118.8





#49

Bromoform

Concen: 2.195 ppbv

RT: 13.03 min Scan# 3185

Delta R.T. -0.01 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

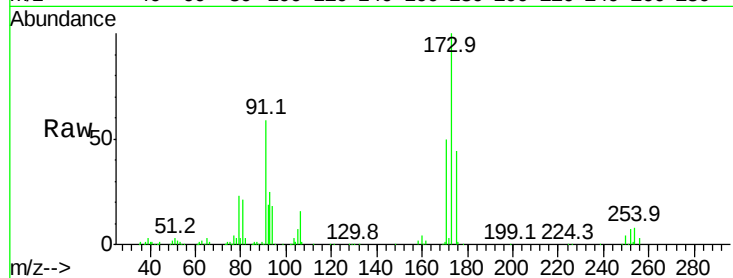
Tgt Ion:173 Resp: 340995

Ion Ratio Lower Upper

173 100

175 50.9 39.9 59.9

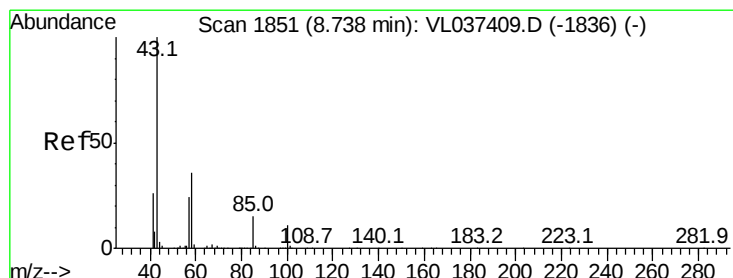
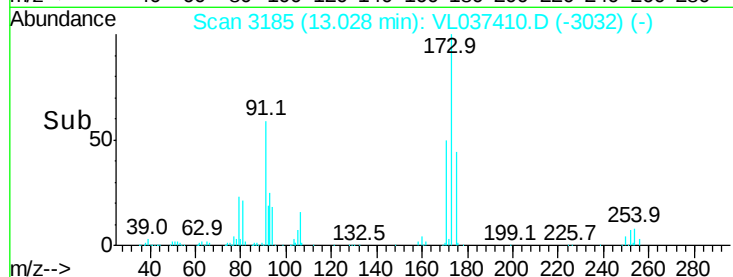
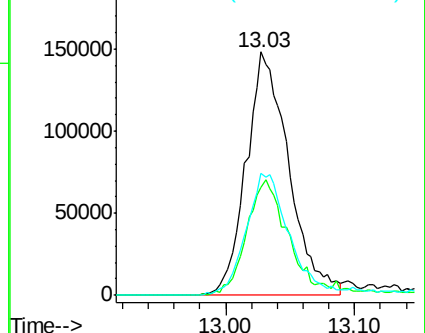
171 52.1 41.4 62.2



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: 2.115 ppbv

RT: 8.75 min Scan# 1855

Delta R.T. 0.01 min

Lab File: VL037410.D

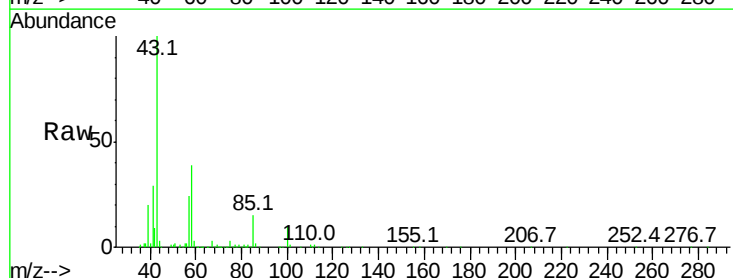
Acq: 12 Aug 2021 11:41

Tgt Ion: 43 Resp: 430519

Ion Ratio Lower Upper

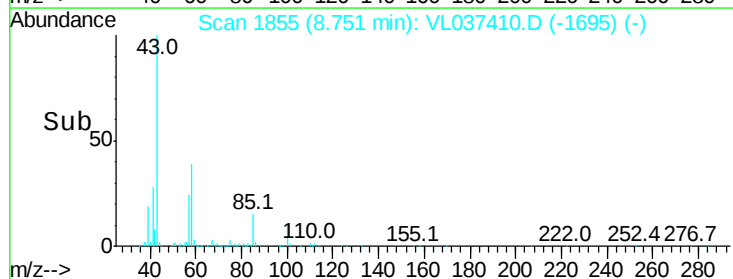
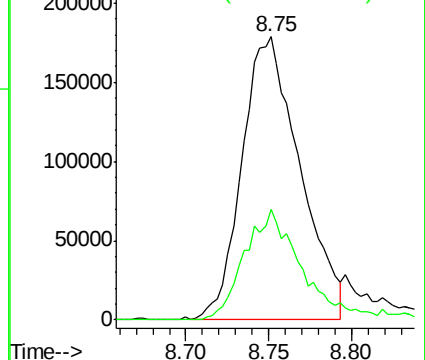
43 100

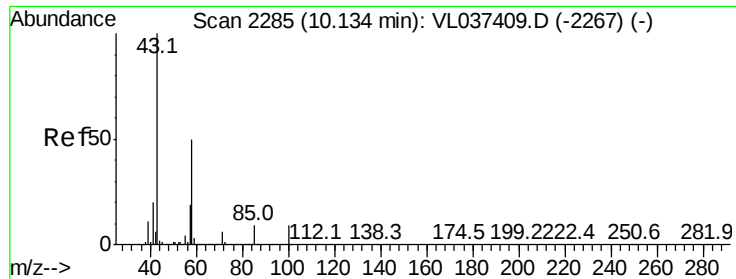
58 40.5 29.9 44.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

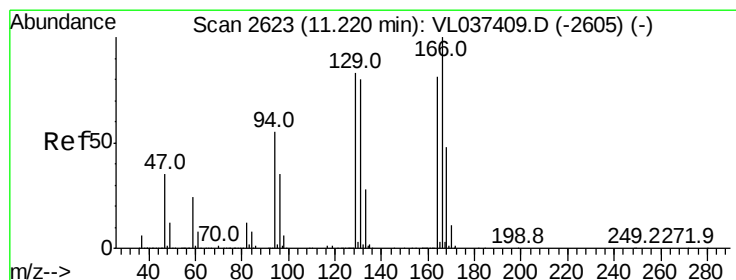
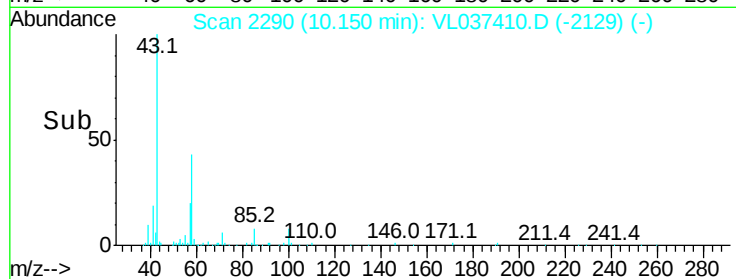
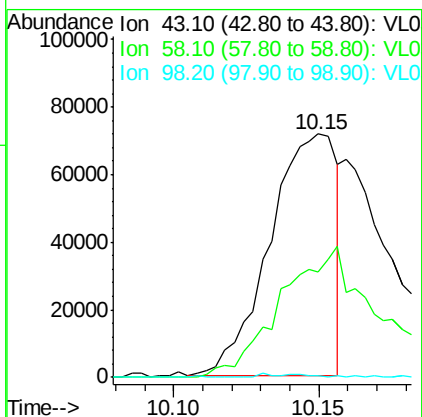
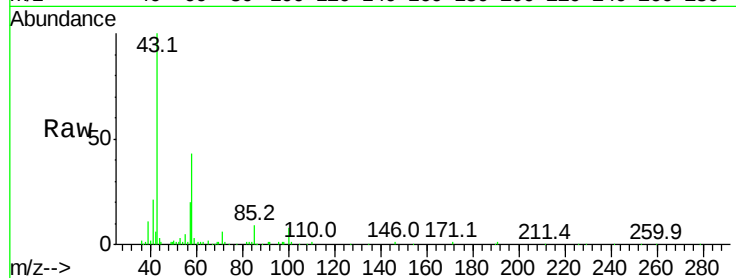




#51
2-Hexanone
Concen: 1.262 ppbv
RT: 10.15 min Scan# 2290
Delta R.T. 0.02 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

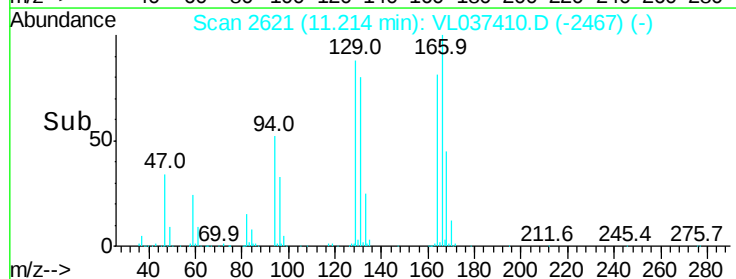
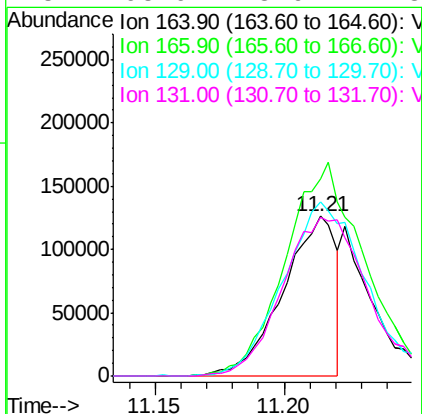
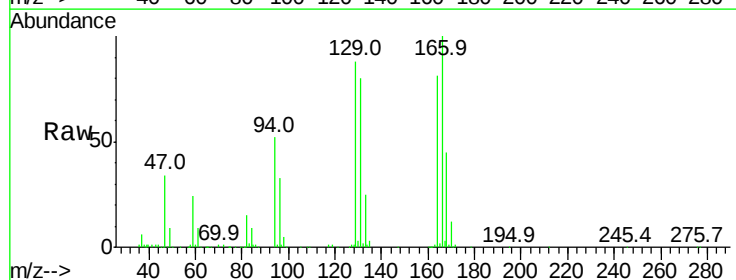
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

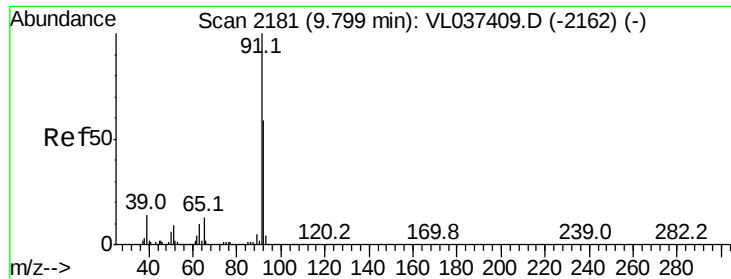
Tgt Ion: 43 Resp: 113806
Ion Ratio Lower Upper
43 100
58 0.0 39.9 59.9#
98 1.7 0.2 0.2#



#52
Tetrachloroethene
Concen: 1.359 ppbv
RT: 11.21 min Scan# 2621
Delta R.T. -0.01 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

Tgt Ion: 164 Resp: 180239
Ion Ratio Lower Upper
164 100
166 123.6 98.6 147.8
129 109.0 82.0 123.0
131 98.9 78.6 117.8





#53

Toluene

Concen: 2.227 ppbv

RT: 9.80 min Scan# 2180

Delta R.T. -0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

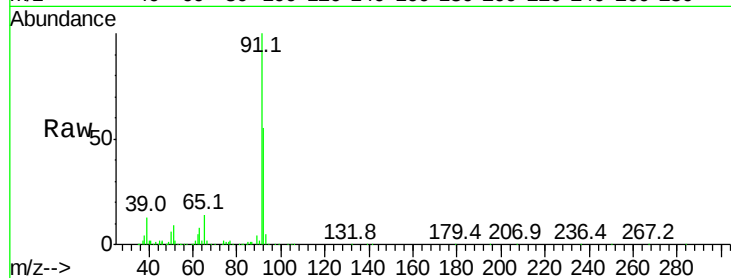
VSTDIC002

Tgt Ion: 91 Resp: 840417

Ion Ratio Lower Upper

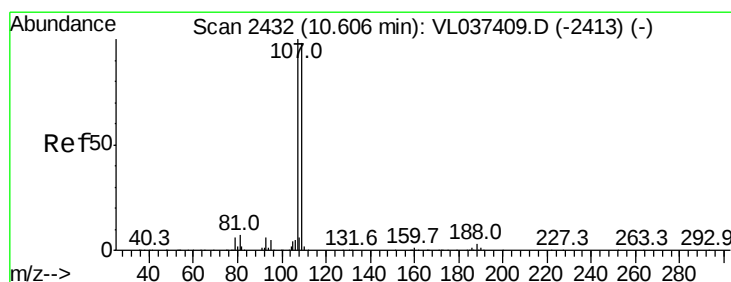
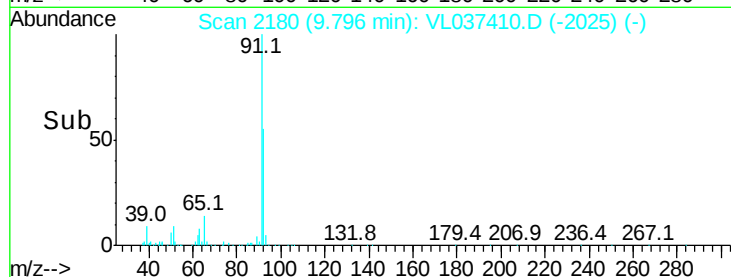
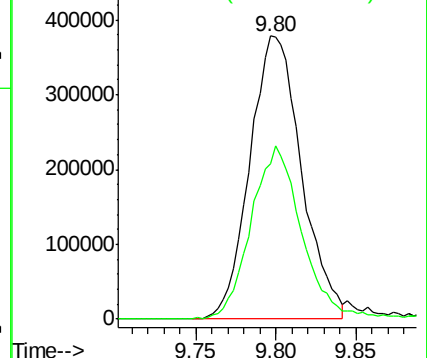
91 100

92 60.6 49.0 73.6



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#54

1,2-Dibromoethane

Concen: 2.171 ppbv

RT: 10.60 min Scan# 2430

Delta R.T. -0.01 min

Lab File: VL037410.D

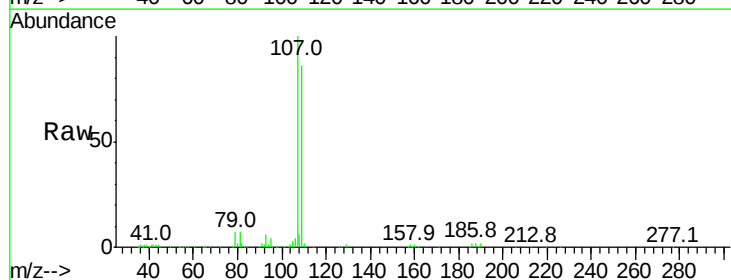
Acq: 12 Aug 2021 11:41

Tgt Ion: 107 Resp: 411935

Ion Ratio Lower Upper

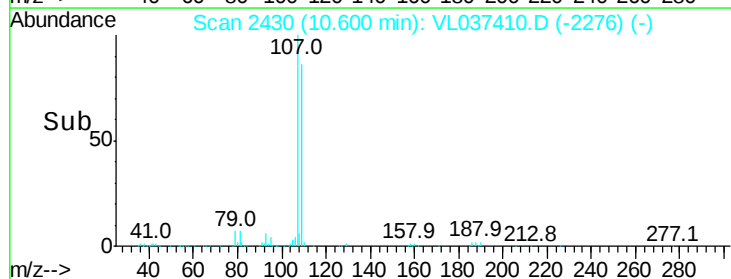
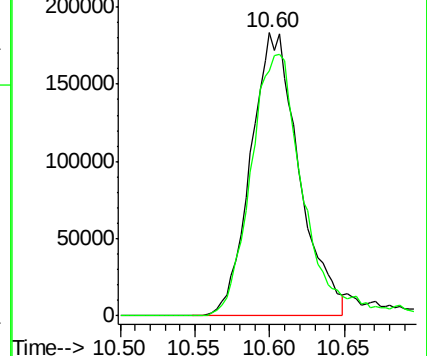
107 100

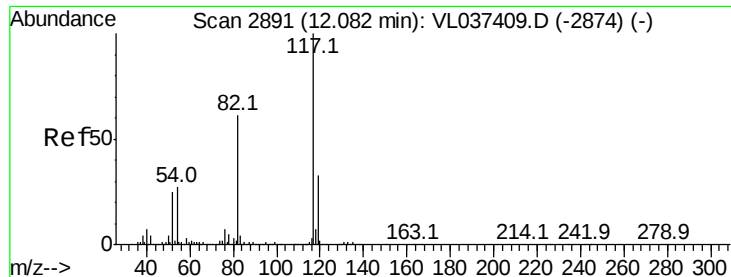
109 86.4 78.4 117.6



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

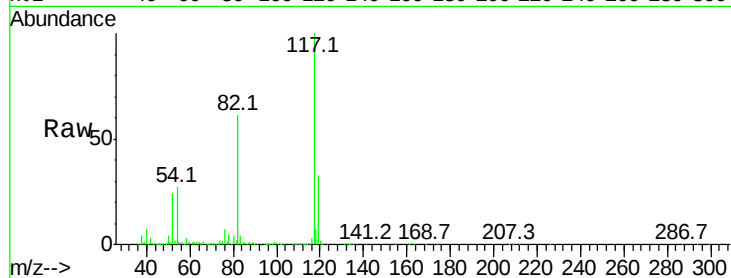
Tgt Ion:117 Resp: 3831634

Ion Ratio Lower Upper

117 100

82 61.2 53.1 79.7

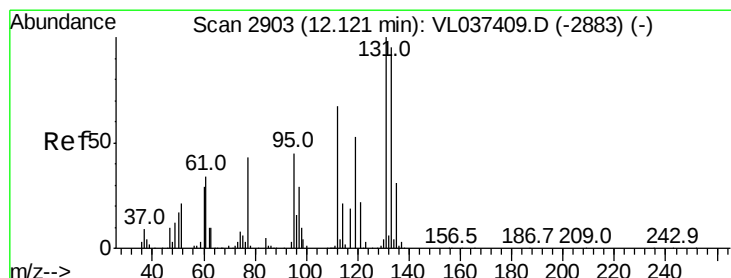
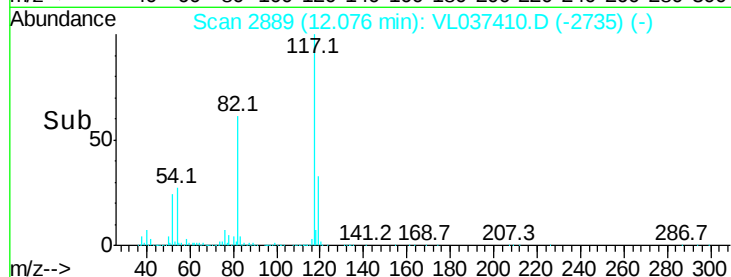
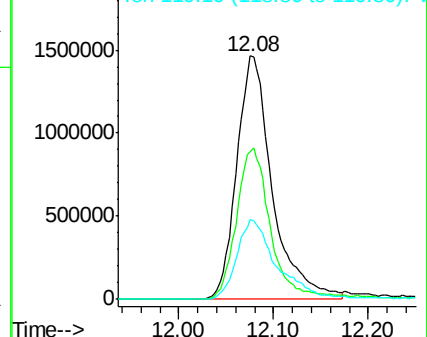
119 37.7 28.0 42.0



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#56

1,1,1,2-Tetrachloroethane

Concen: 2.174 ppbv

RT: 12.11 min Scan# 2901

Delta R.T. -0.01 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

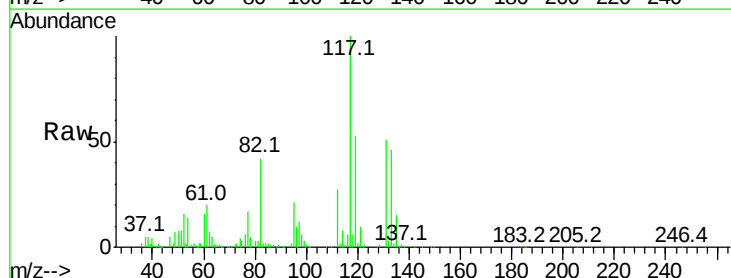
Tgt Ion:131 Resp: 322034

Ion Ratio Lower Upper

131 100

133 100.9 77.1 115.7

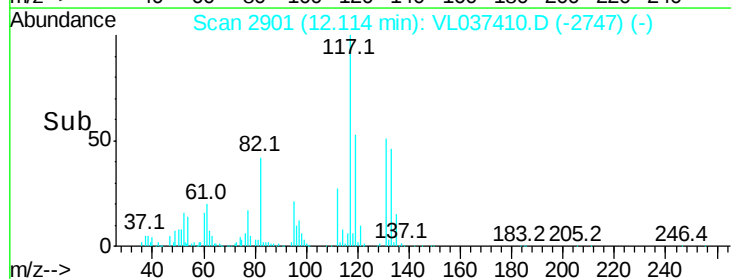
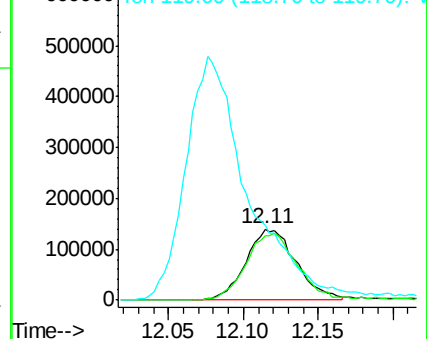
119 448.9 59.7 89.5#

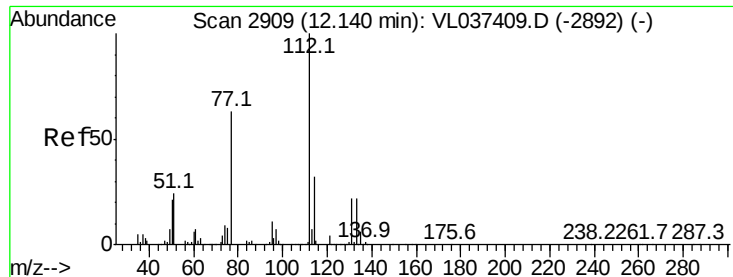


Abundance Ion 131.00 (130.70 to 131.70): V

Ion 133.00 (132.70 to 133.70): V

Ion 119.00 (118.70 to 119.70): V

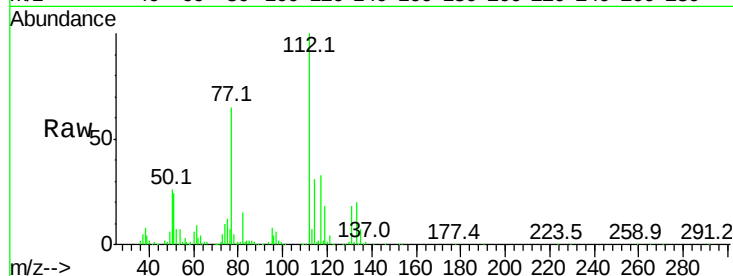




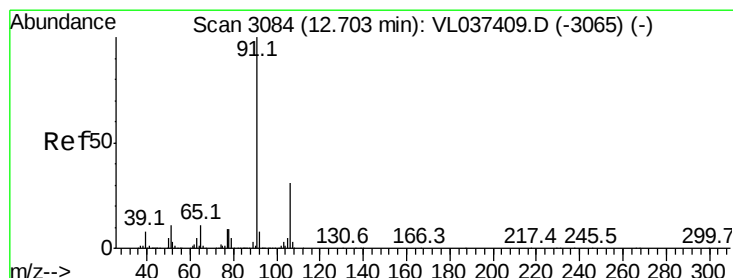
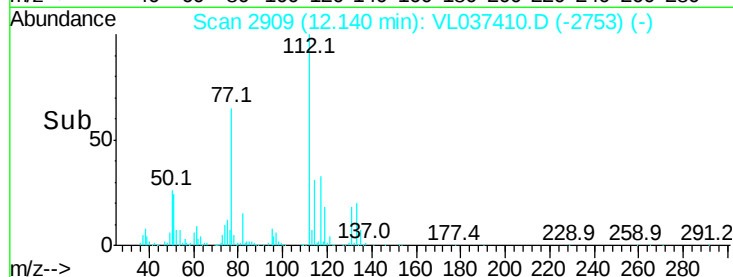
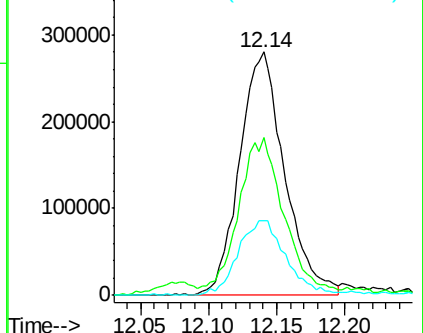
#57
Chlorobenzene
Concen: 2.154 ppbv
RT: 12.14 min Scan# 2909
Delta R.T. 0.00 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 112 Resp: 636942
Ion Ratio Lower Upper
112 100
77 62.7 50.0 75.0
114 30.3 28.5 34.9

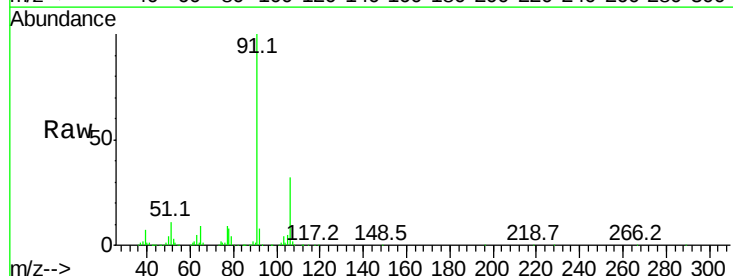


Abundance Ion 112.10 (111.80 to 112.80): V
Ion 77.10 (76.80 to 77.80): VL0
Ion 114.10 (113.80 to 114.80): V

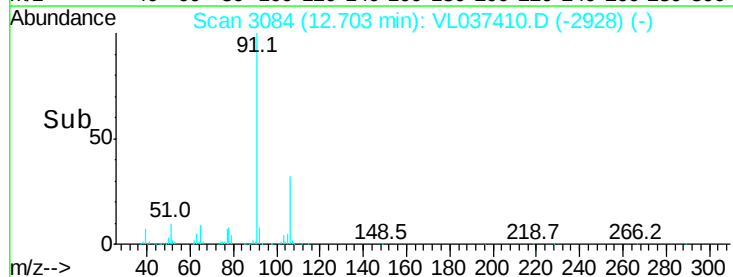
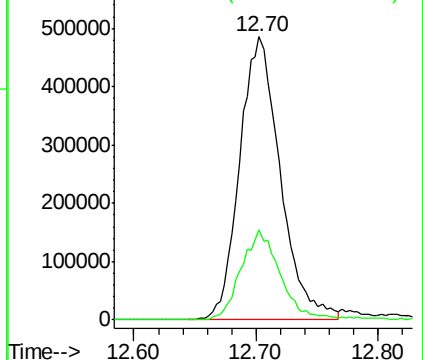


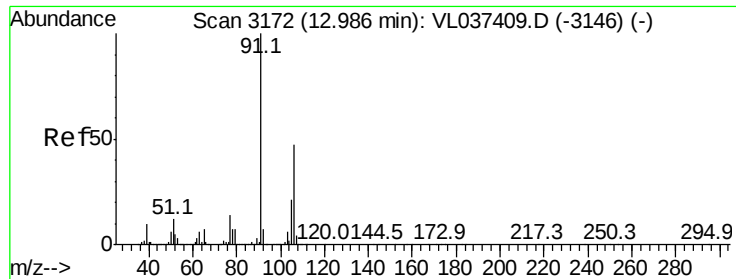
#58
Ethyl Benzene
Concen: 2.184 ppbv
RT: 12.70 min Scan# 3084
Delta R.T. 0.00 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

Tgt Ion: 91 Resp: 1116787
Ion Ratio Lower Upper
91 100
106 31.8 24.7 37.1



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

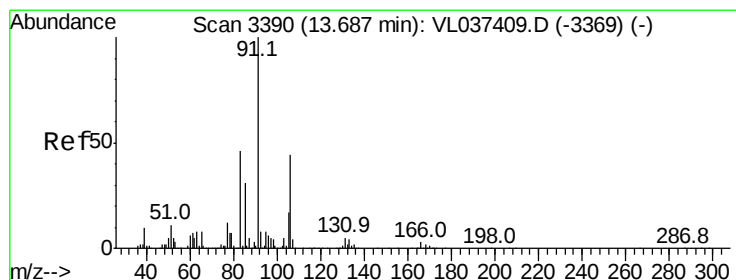
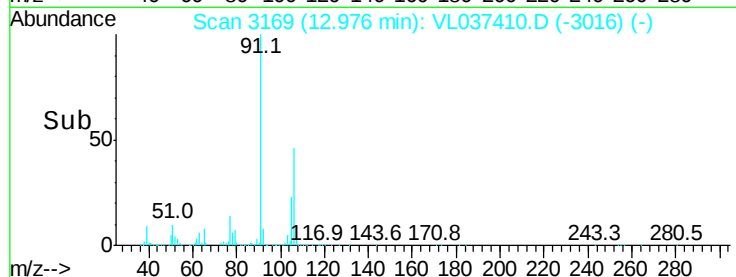
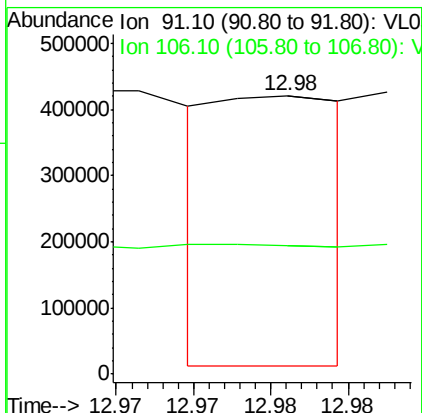
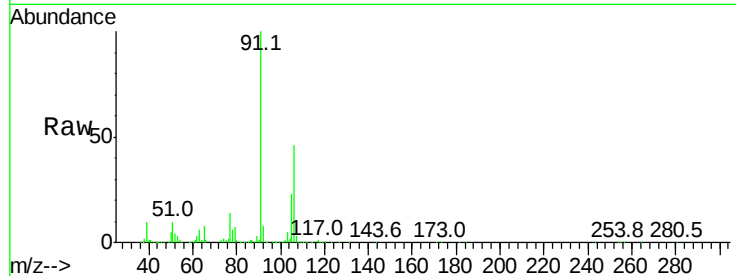




#59
m/p-Xylene
Concen: 0.533 ppbv
RT: 12.98 min Scan# 3169
Delta R.T. -0.01 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

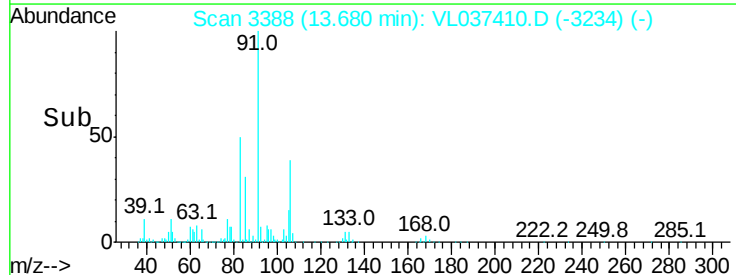
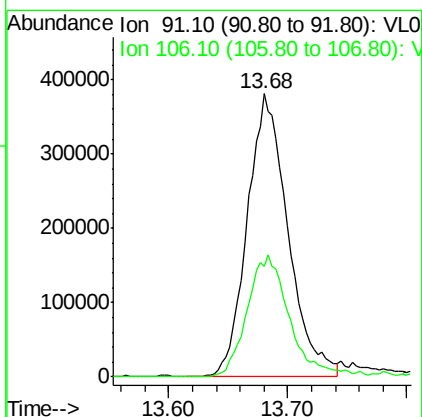
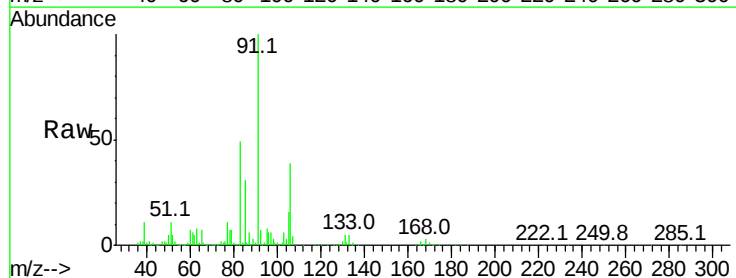
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

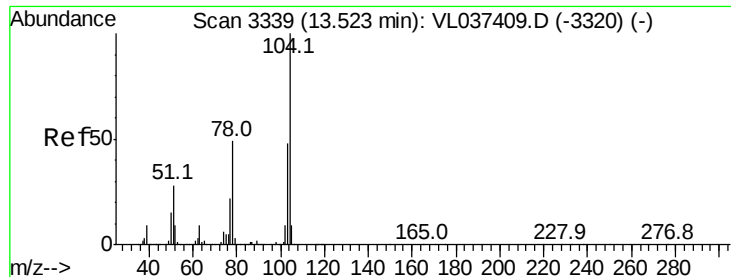
Tgt Ion: 91 Resp: 234594
Ion Ratio Lower Upper
91 100
106 0.0 36.6 54.8#



#60
o-Xylene
Concen: 2.203 ppbv
RT: 13.68 min Scan# 3388
Delta R.T. -0.01 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

Tgt Ion: 91 Resp: 899213
Ion Ratio Lower Upper
91 100
106 45.3 24.1 72.2

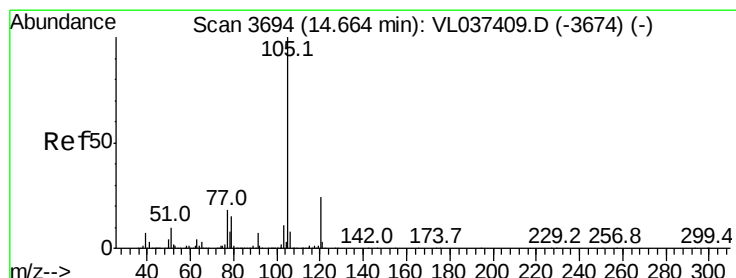
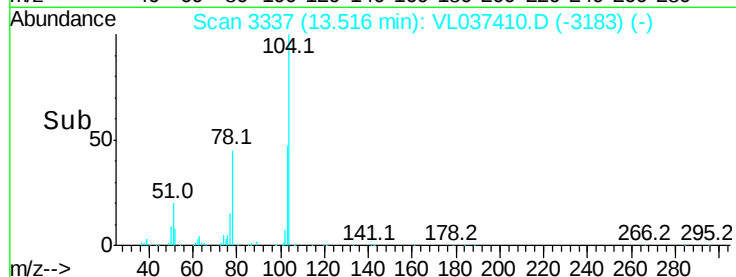
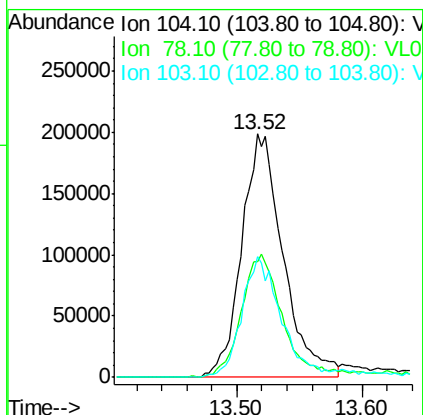
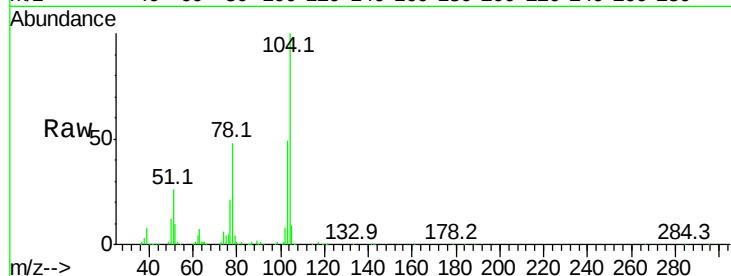




#61
Styrene
Concen: 2.152 ppbv
RT: 13.52 min Scan# 3337
Delta R.T. -0.01 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

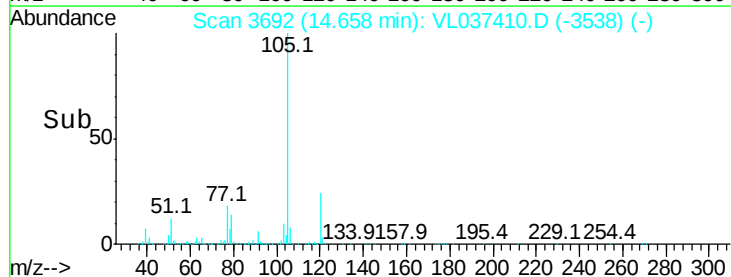
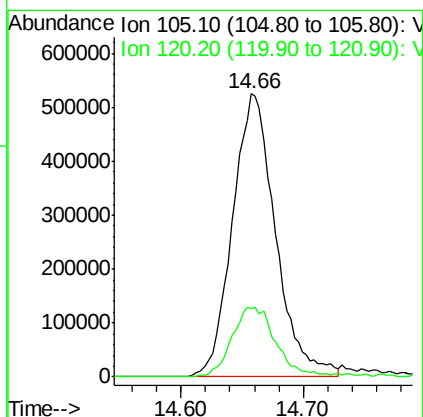
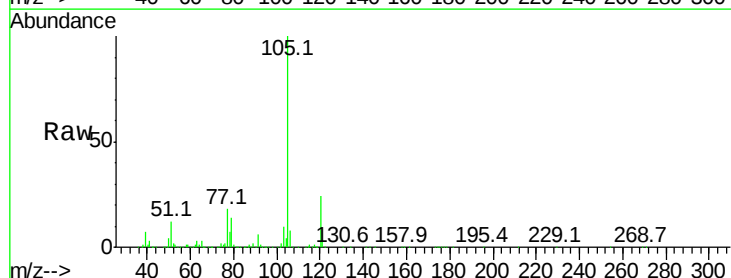
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

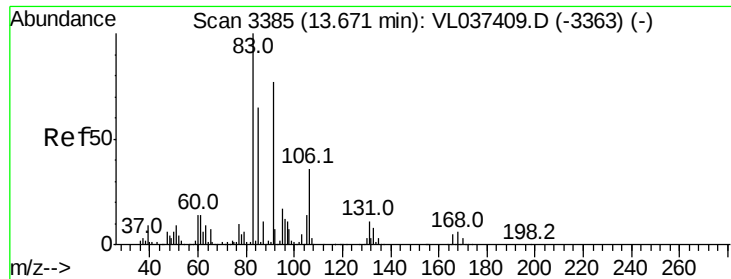
Tgt Ion:104 Resp: 455126
Ion Ratio Lower Upper
104 100
78 52.5 41.5 62.3
103 49.6 40.2 60.2



#62
Isopropylbenzene
Concen: 2.221 ppbv
RT: 14.66 min Scan# 3692
Delta R.T. -0.01 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

Tgt Ion:105 Resp: 1277064
Ion Ratio Lower Upper
105 100
120 25.8 21.6 32.4





#63

1,1,2,2-Tetrachloroethane

Concen: 2.057 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

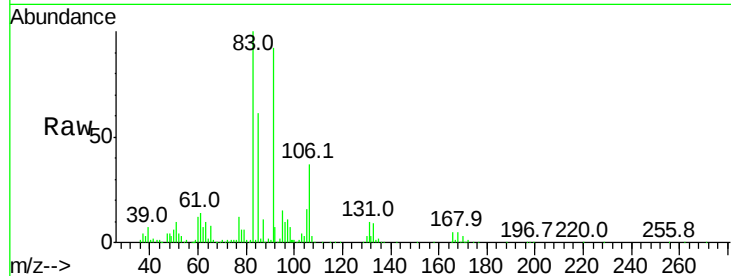
Tgt Ion: 83 Resp: 635008

Ion Ratio Lower Upper

83 100

131 10.6 5.1 15.4

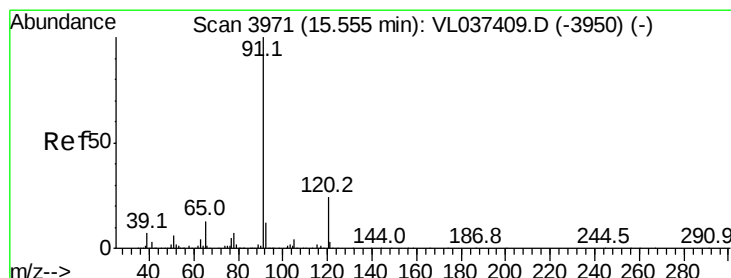
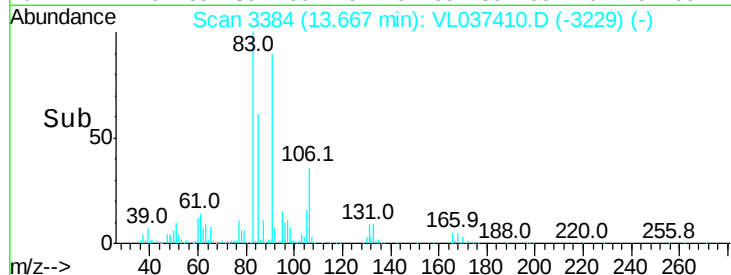
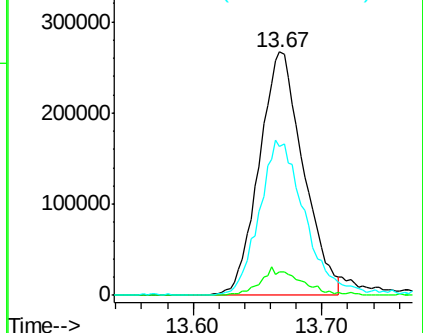
85 67.2 33.4 100.2



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 131.00 (130.70 to 131.70): V

Ion 85.00 (84.70 to 85.70): VL0



#64

n-propylbenzene

Concen: 0.924 ppbv

RT: 15.55 min Scan# 3968

Delta R.T. -0.01 min

Lab File: VL037410.D

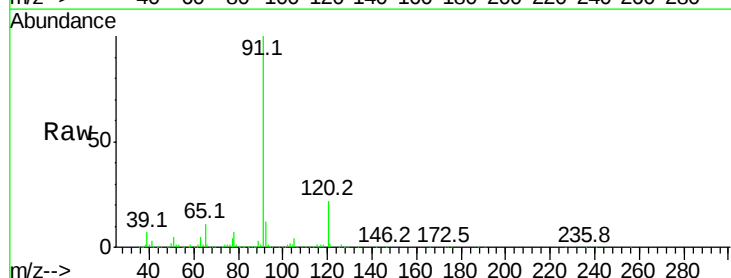
Acq: 12 Aug 2021 11:41

Tgt Ion: 120 Resp: 134867

Ion Ratio Lower Upper

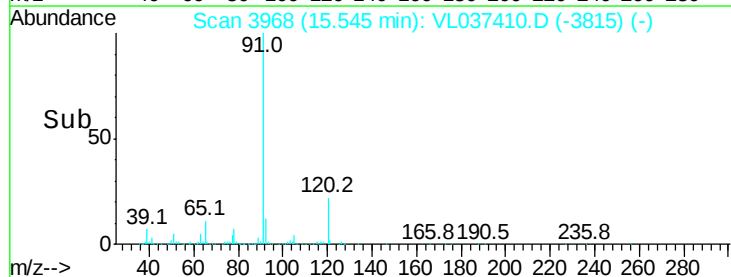
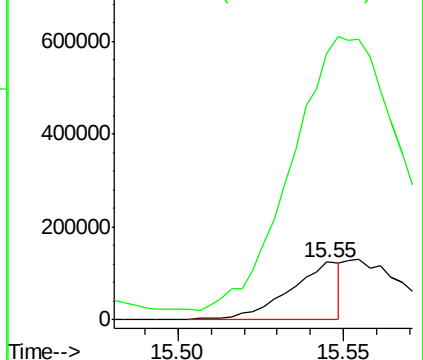
120 100

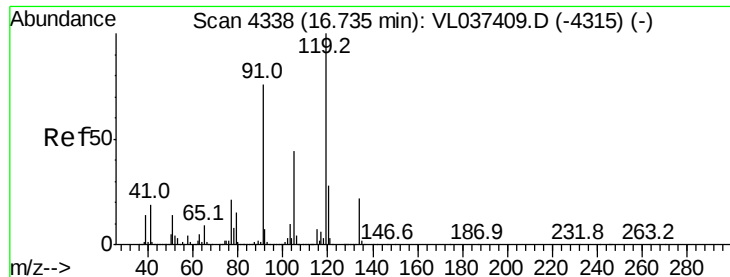
91 1173.5 388.4 582.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0





#65

tert-Butylbenzene

Concen: 2.265 ppbv

RT: 16.73 min Scan# 4338

Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

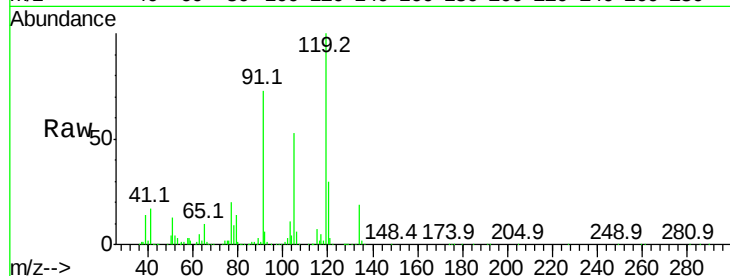
Tgt Ion: 119 Resp: 1174755

Ion Ratio Lower Upper

119 100

91 79.6 62.2 93.4

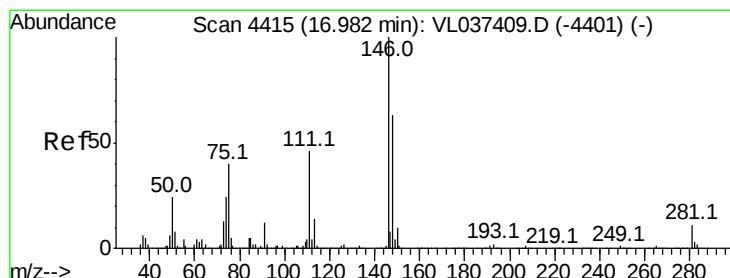
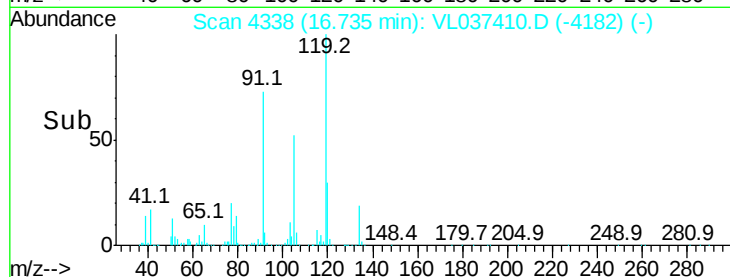
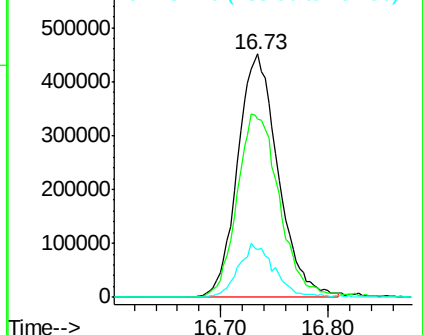
134 19.8 16.1 24.1



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: 0.976 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. -0.01 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

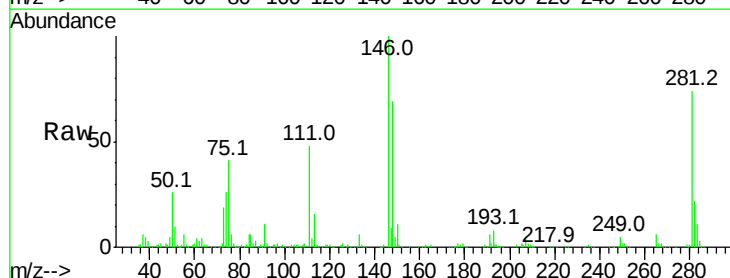
Tgt Ion: 91 Resp: 21470

Ion Ratio Lower Upper

91 100

126 0.0 14.3 21.5#

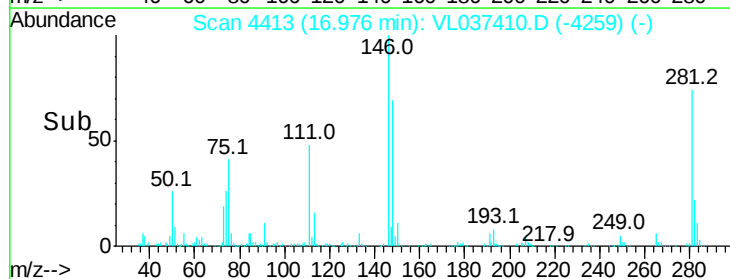
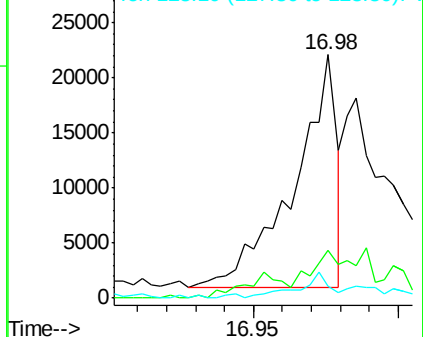
128 15.1 4.6 7.0#

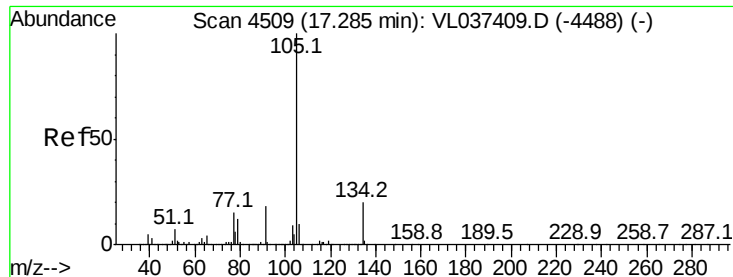


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

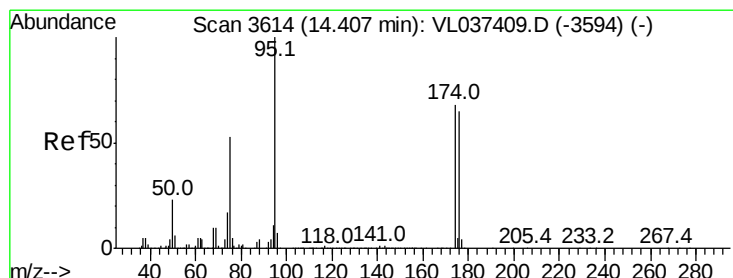
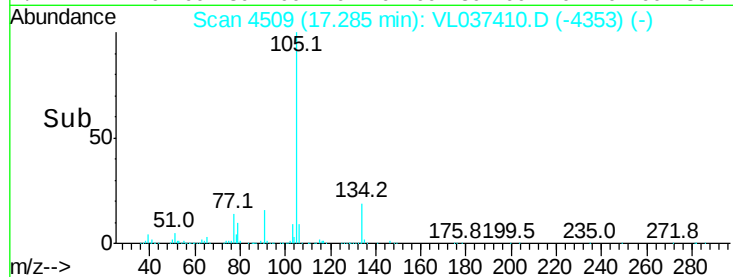
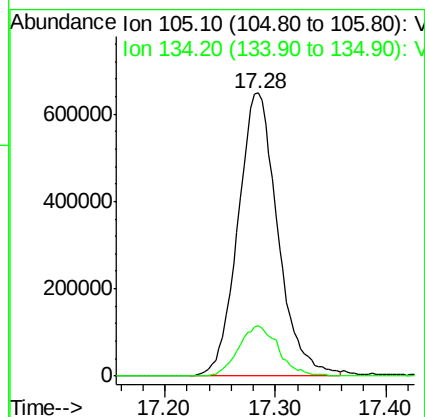
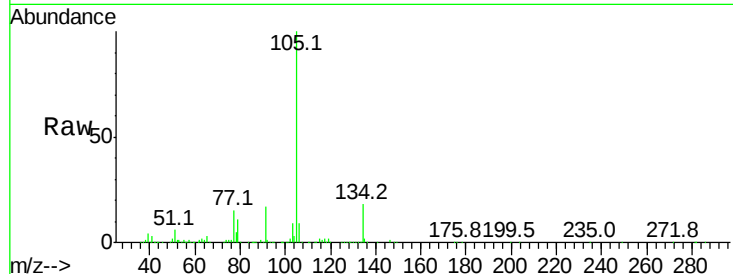




#67
 sec-Butylbenzene
 Concen: 2.275 ppbv
 RT: 17.28 min Scan# 4509
 Delta R.T. 0.00 min
 Lab File: VL037410.D
 Acq: 12 Aug 2021 11:41

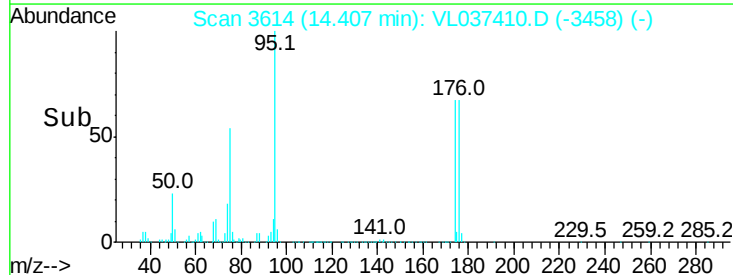
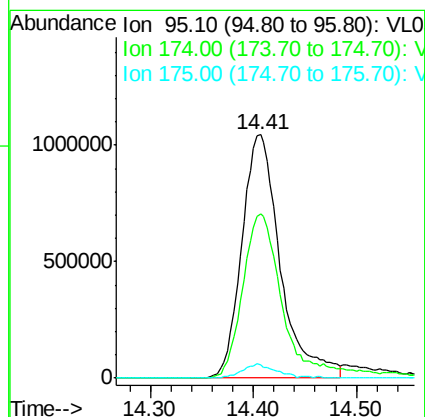
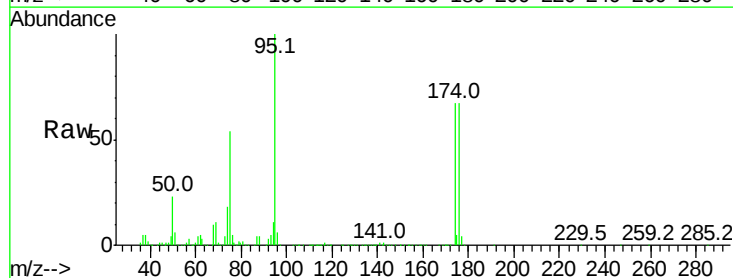
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

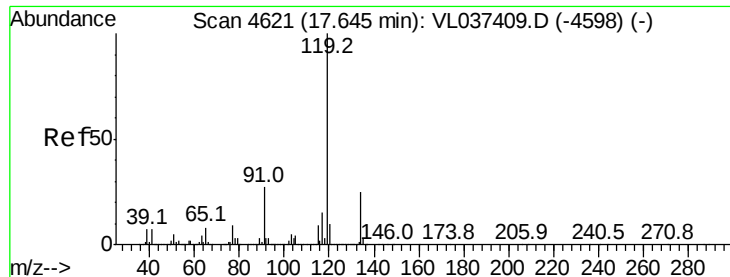
Tgt Ion: 105 Resp: 1622039
 Ion Ratio Lower Upper
 105 100
 134 17.9 15.4 23.0



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.516 ppbv
 RT: 14.41 min Scan# 3614
 Delta R.T. 0.00 min
 Lab File: VL037410.D
 Acq: 12 Aug 2021 11:41

Tgt Ion: 95 Resp: 2719162
 Ion Ratio Lower Upper
 95 100
 174 72.9 59.6 89.4
 175 5.6 4.3 6.5

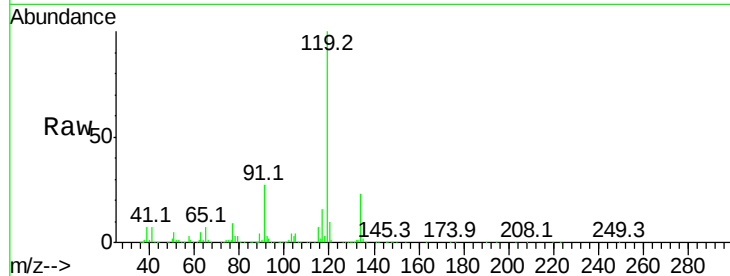




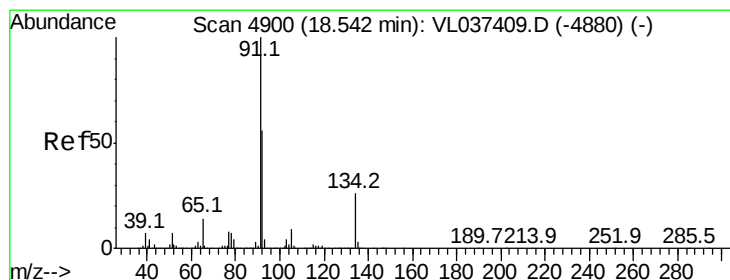
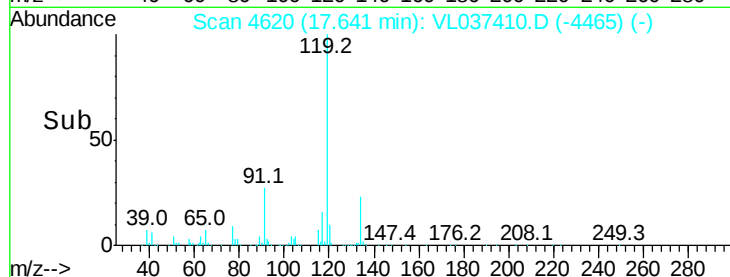
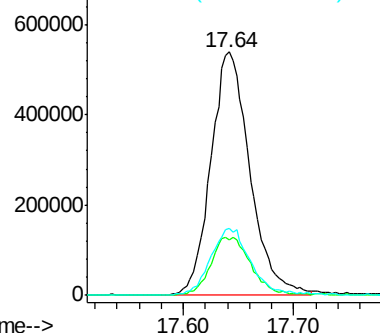
#69
p-Isopropyltoluene
Concen: 2.297 ppbv
RT: 17.64 min Scan# 4620
Delta R.T. -0.00 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC002

Tgt Ion: 119 Resp: 1322795
Ion Ratio Lower Upper
119 100
134 24.8 20.6 31.0
91 28.7 22.4 33.6

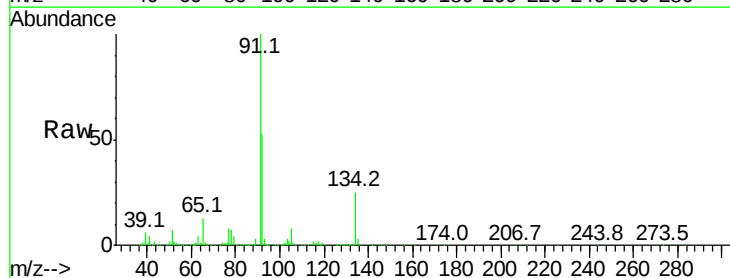


Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): V

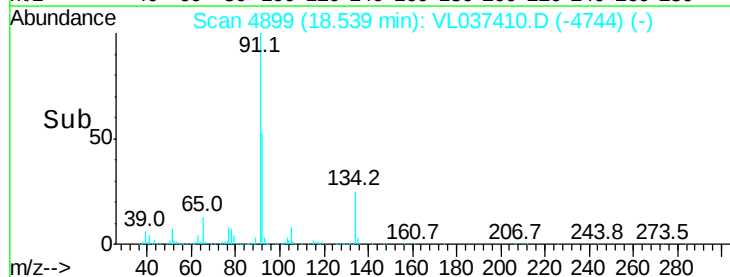
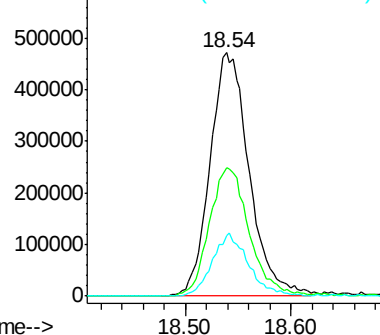


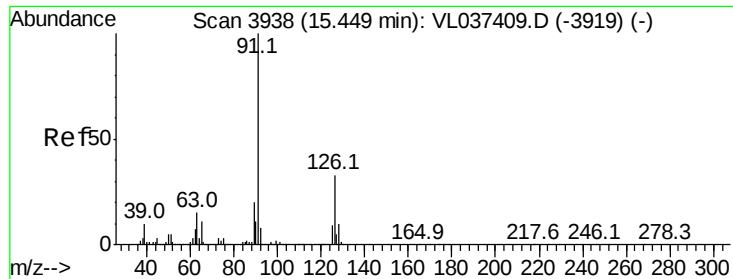
#70
n-Butylbenzene
Concen: 2.237 ppbv
RT: 18.54 min Scan# 4899
Delta R.T. -0.00 min
Lab File: VL037410.D
Acq: 12 Aug 2021 11:41

Tgt Ion: 91 Resp: 1210571
Ion Ratio Lower Upper
91 100
92 54.5 44.2 66.2
134 24.1 19.5 29.3



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0
Ion 134.20 (133.90 to 134.90): V





#71

2-Chlorotoluene

Concen: 2.110 ppbv

RT: 15.44 min Scan# 3936

Delta R.T. -0.01 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

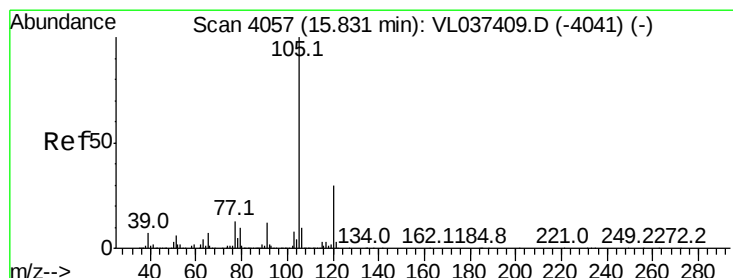
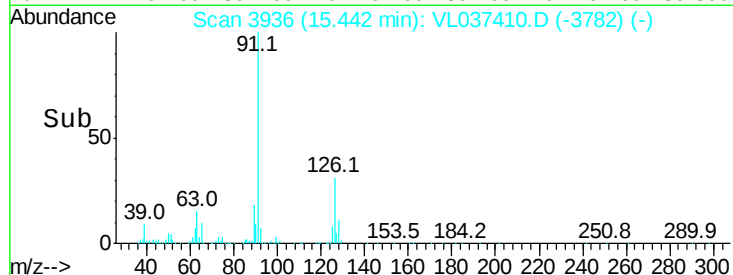
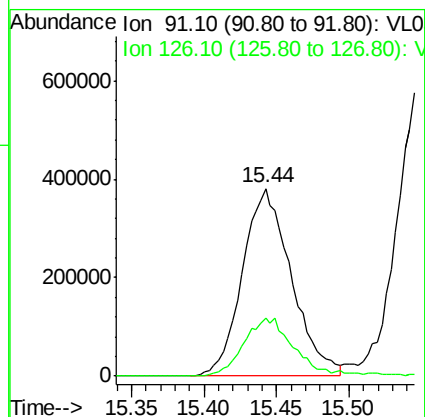
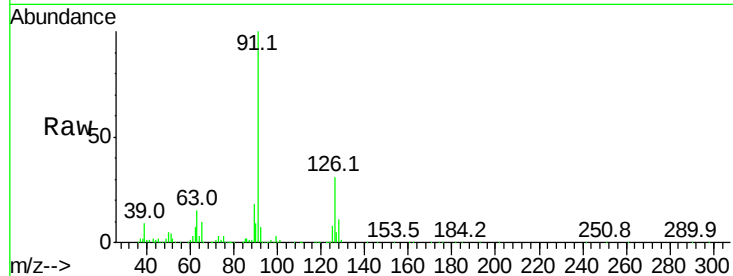
VSTDIC002

Tgt Ion: 91 Resp: 885762

Ion Ratio Lower Upper

91 100

126 32.7 13.5 53.9



#72

4-Ethyltoluene

Concen: 2.145 ppbv

RT: 15.83 min Scan# 4056

Delta R.T. -0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Tgt Ion: 105 Resp: 1024150

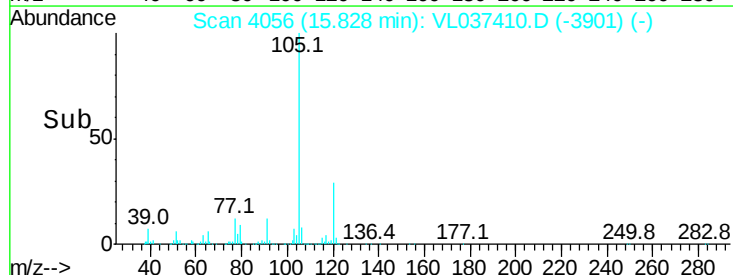
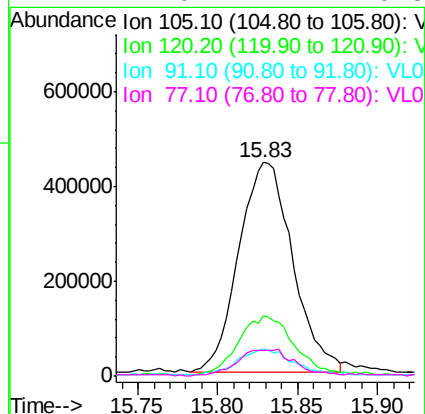
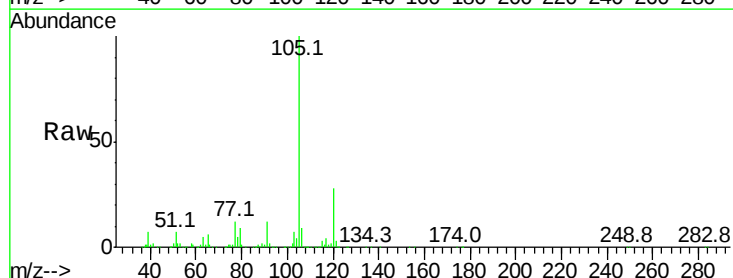
Ion Ratio Lower Upper

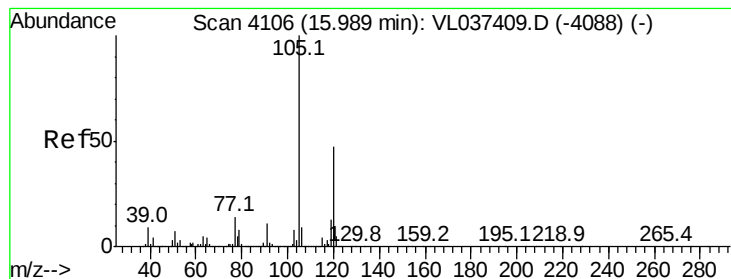
105 100

120 31.9 25.0 37.4

91 11.9 11.2 16.8

77 14.0 11.2 16.8





#73

1,3,5-Trimethylbenzene

Concen: 2.133 ppbv

RT: 15.99 min Scan# 4105

Delta R.T. -0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

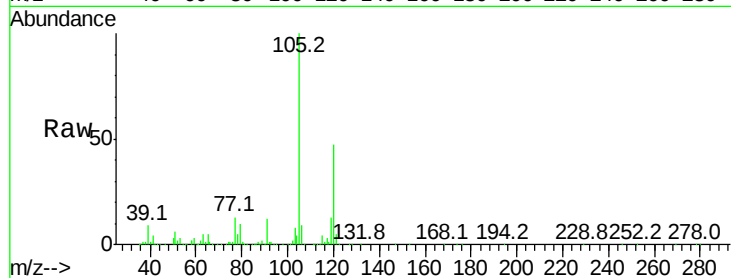
VSTDIC002

Tgt Ion:105 Resp: 944791

Ion Ratio Lower Upper

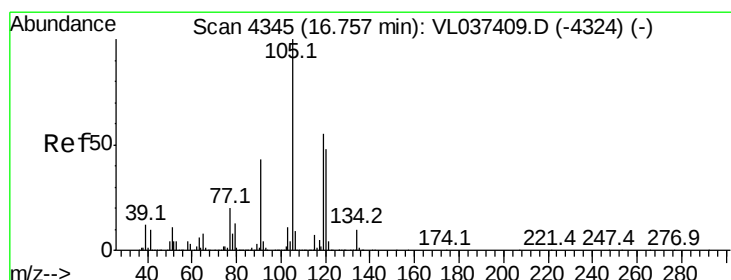
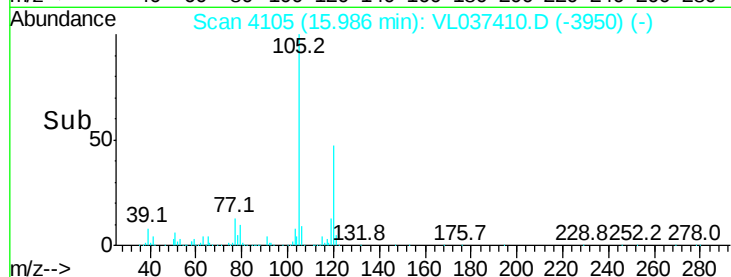
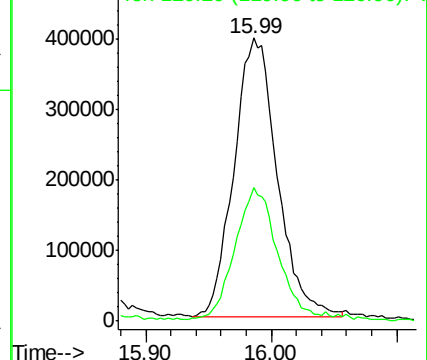
105 100

120 46.7 37.4 56.0



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: 2.267 ppbv

RT: 16.75 min Scan# 4342

Delta R.T. -0.01 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Tgt Ion:105 Resp: 1019517

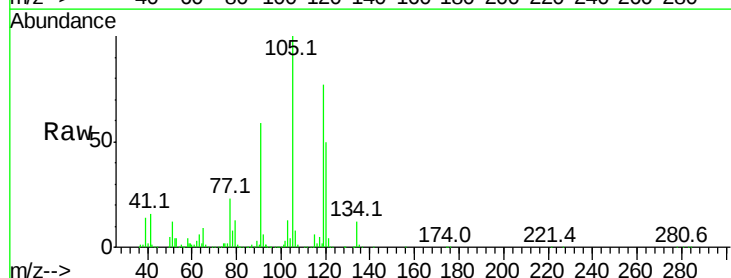
Ion Ratio Lower Upper

105 100

120 49.8 38.2 57.2

91 57.5 35.4 53.2#

77 23.2 16.2 24.2

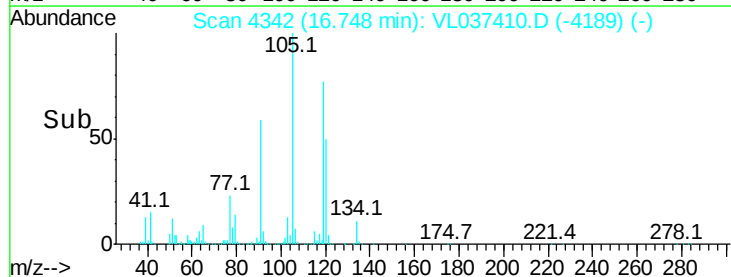
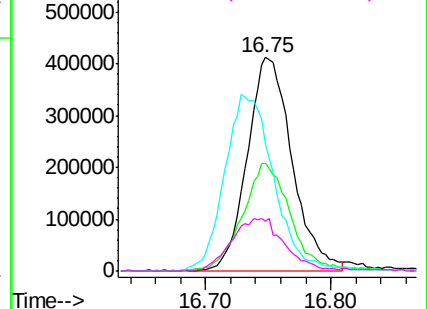


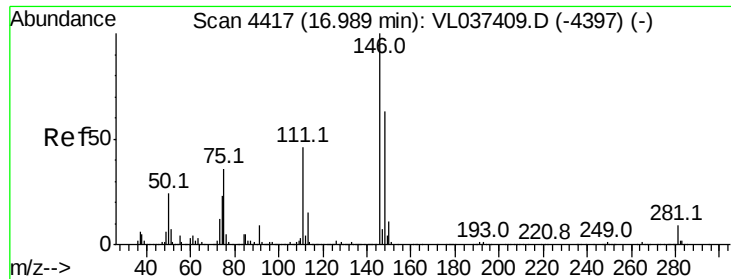
Abundance Ion 105.10 (104.80 to 105.80): V

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: 2.169 ppbv

RT: 16.99 min Scan# 4417

Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

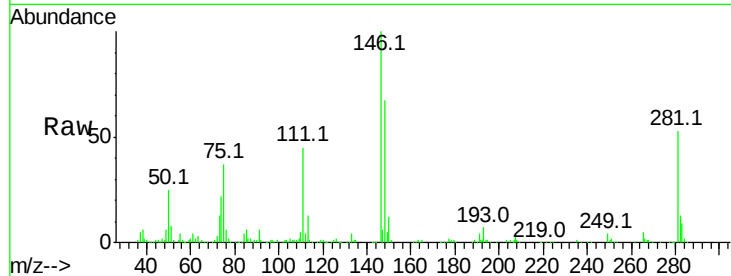
Tgt Ion:146 Resp: 592843

Ion Ratio Lower Upper

146 100

111 46.6 22.9 68.7

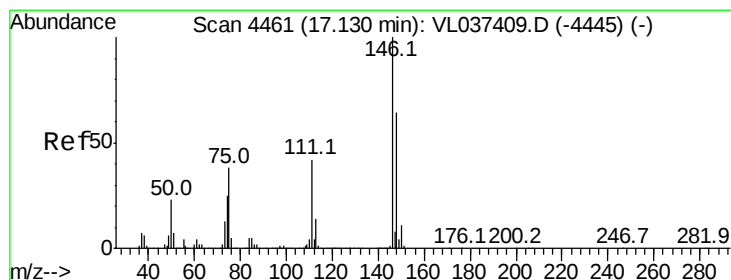
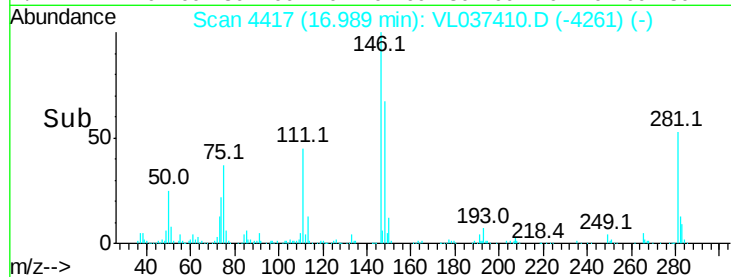
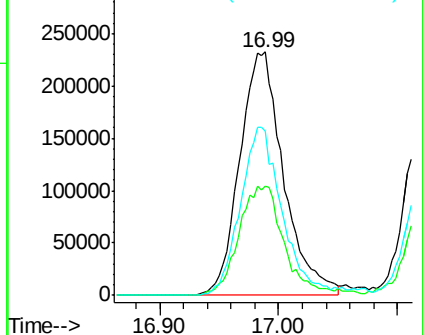
148 67.2 32.0 96.2



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: 2.088 ppbv

RT: 17.13 min Scan# 4461

Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

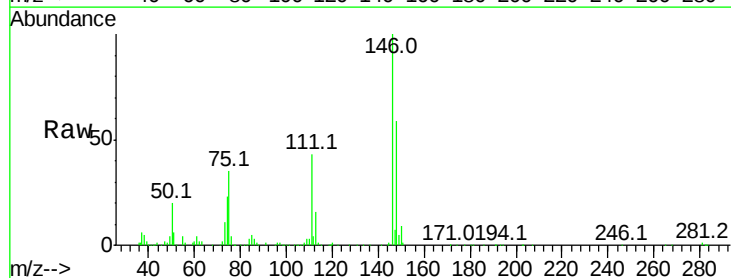
Tgt Ion:146 Resp: 560195

Ion Ratio Lower Upper

146 100

111 45.3 22.8 68.4

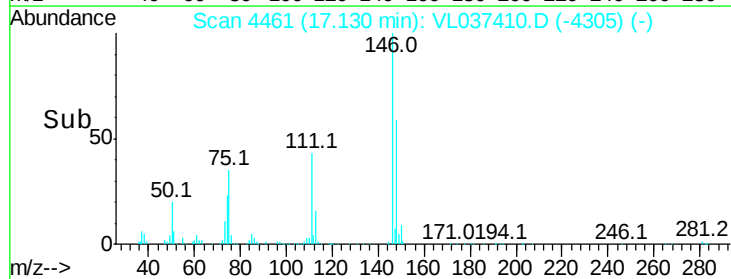
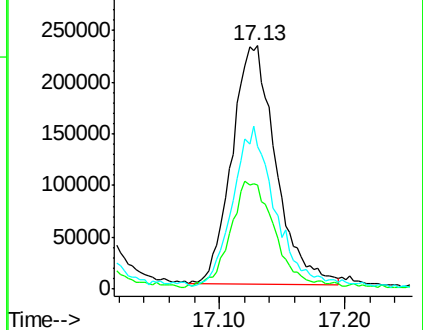
148 69.6 34.0 102.0

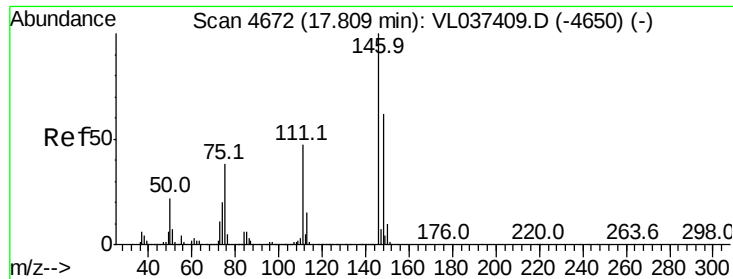


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

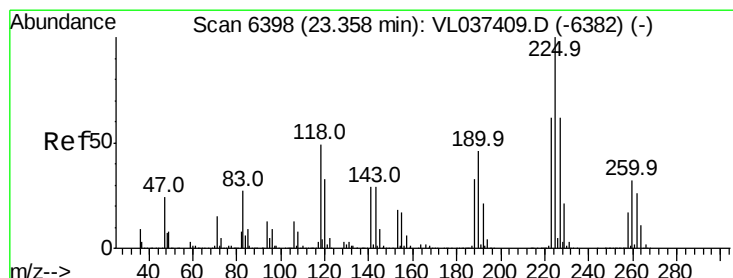
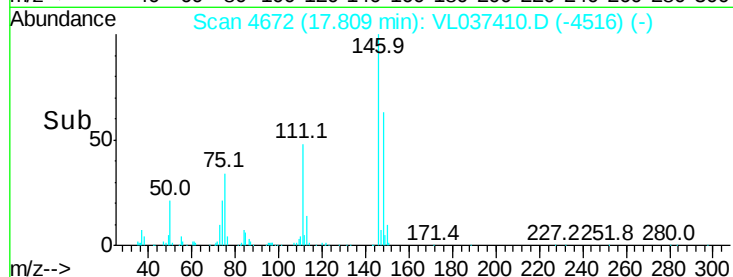
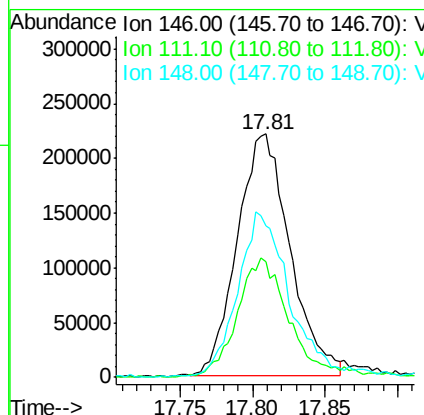
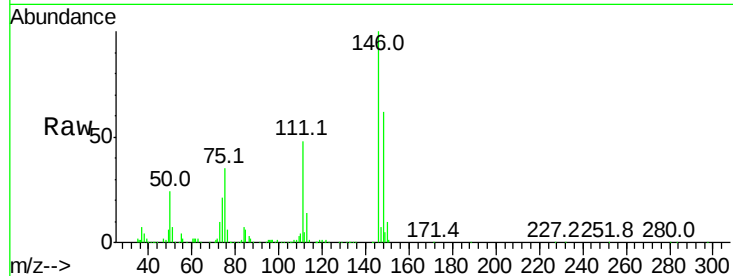




#77
 1,2-Dichlorobenzene
 Concen: 2.118 ppbv
 RT: 17.81 min Scan# 4672
 Delta R.T. 0.00 min
 Lab File: VL037410.D
 Acq: 12 Aug 2021 11:41

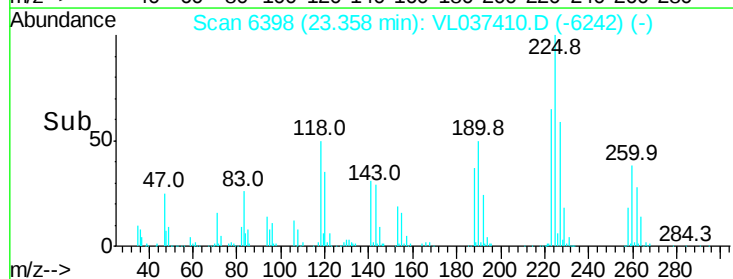
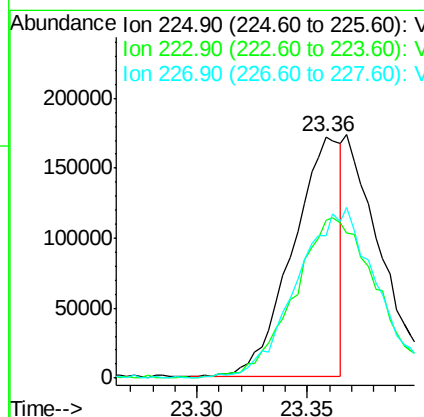
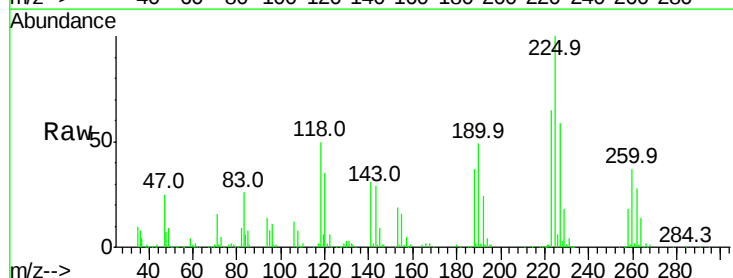
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

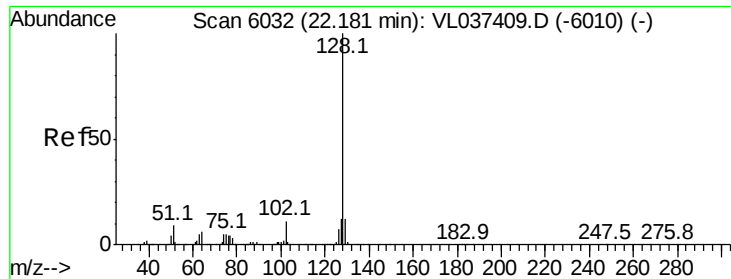
Tgt Ion	Ratio	Lower	Upper
146	100		
111	50.0	23.8	71.5
148	68.3	32.5	97.4



#78
 Hexachloro-1,3-Butadiene
 Concen: 1.233 ppbv
 RT: 23.36 min Scan# 6398
 Delta R.T. 0.00 min
 Lab File: VL037410.D
 Acq: 12 Aug 2021 11:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	117.1	51.2	76.8#
227	0.0	52.2	78.4#





#79

Naphthalene

Concen: 0.904 ppbv

RT: 22.18 min Scan# 6033

Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

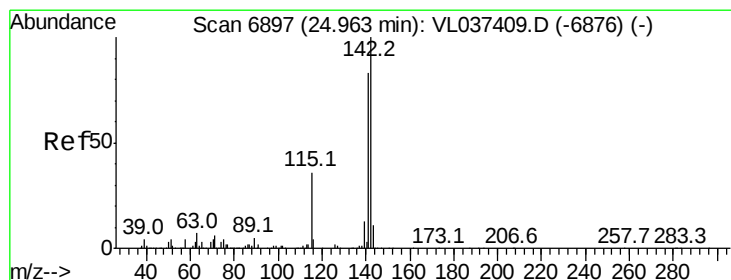
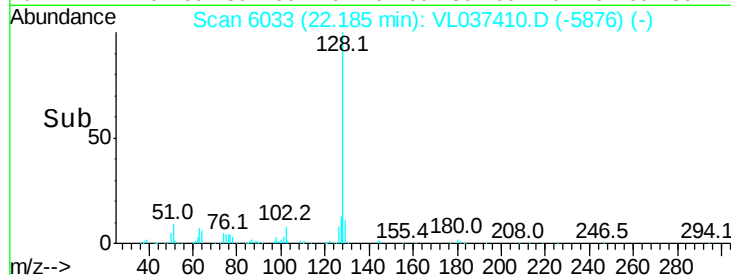
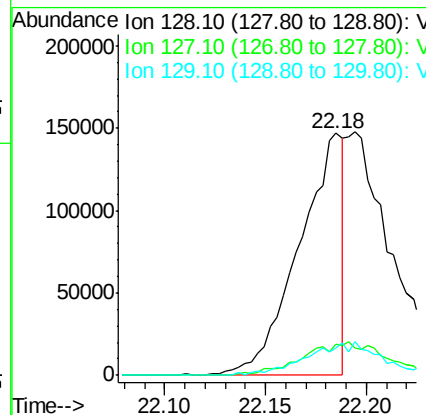
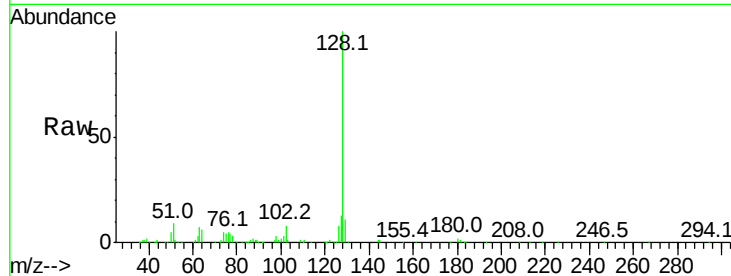
Instrument :

MSVOA_L

ClientSampleId :

VSTDIC002

Tgt Ion:	128	Resp:	221457
Ion	Ratio	Lower	Upper
128	100		
127	12.6	9.9	14.9
129	11.2	9.4	14.0



#80

Naphthalene, 2-methyl-

Concen: 0.950 ppbv

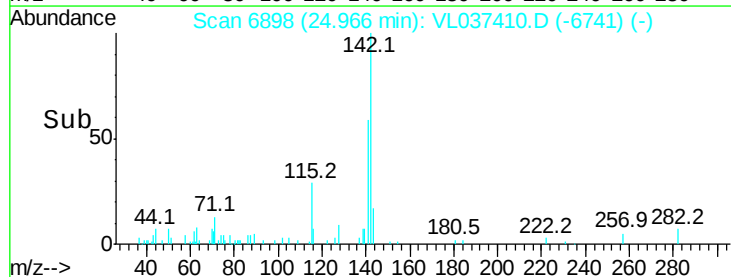
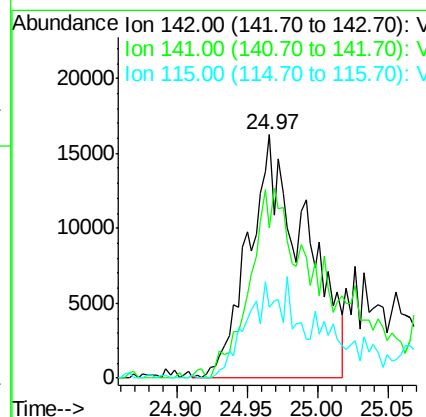
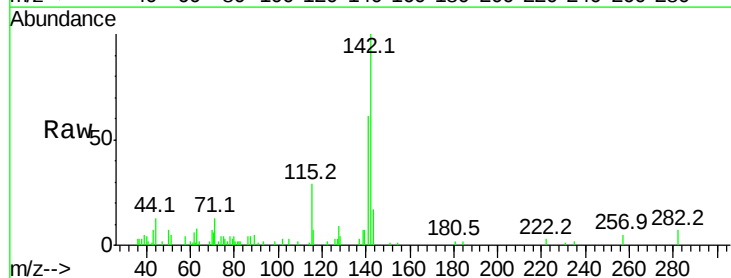
RT: 24.97 min Scan# 6898

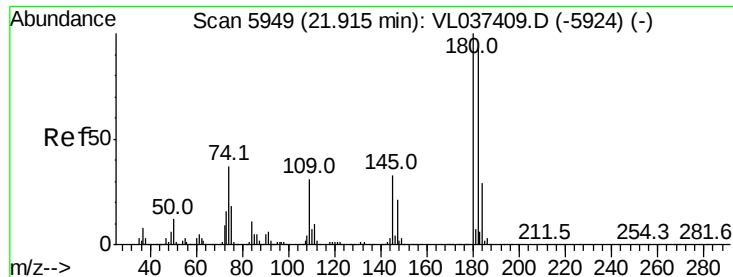
Delta R.T. 0.00 min

Lab File: VL037410.D

Acq: 12 Aug 2021 11:41

Tgt Ion:	142	Resp:	45778
Ion	Ratio	Lower	Upper
142	100		
141	105.4	68.7	103.1#
115	48.8	32.7	49.1





#81
 1,2,4-Trichlorobenzene
 Concen: 1.250 ppbv
 RT: 21.92 min Scan# 5950
 Delta R.T. 0.00 min
 Lab File: VL037410.D
 Acq: 12 Aug 2021 11:41

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC002

Tgt Ion	Ratio	Lower	Upper
180	100		
182	166.5	78.6	118.0#
184	50.4	24.6	36.8#

