

Data File : VL037611.D
Acq On : 16 Sep 2021 9:24
Operator : SY/AP
Sample : VSTDIC0.5
Misc : 400mL/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Quant Time: Sep 16 09:54:44 2021
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 02:13:47 2021
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1630437	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4840967	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4281564	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3062943	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.04	85	163504	0.625	ppbv	93
3) Chlorodifluoromethane	2.98	51	164835	0.528	ppbv	99
4) Chloromethane	3.13	50	60447	0.542	ppbv	91
5) Vinyl Chloride	3.25	62	47871	0.419	ppbv	97
6) Bromomethane	3.47	94	12943	0.207	ppbv #	71
7) Chloroethane	3.55	64	5872	0.151	ppbv #	80
8) Dichlorotetrafluoroethane	3.18	85	128330	0.475	ppbv	92
9) Propene	3.00	41	58103	0.520	ppbv	87
10) Heptane	8.10	43	111077	0.432	ppbv	92
11) Trichlorofluoromethane	3.94	101	126156	0.514	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.47	101	43518	0.242	ppbv #	2
13) Ethanol	3.61	45	5084	0.468	ppbv #	32
14) Bromoethene	3.73	108	27131	0.332	ppbv #	50
16) 1,3-Butadiene	3.32	39	43027	0.404	ppbv #	81
17) tert-Butyl alcohol	4.30	59	38478	0.254	ppbv #	59
18) 1,1-Dichloroethene	4.28	96	39213	0.479	ppbv	97
20) Methylene Chloride	4.33	84	36694	0.442	ppbv	93
21) Allyl Chloride	4.40	41	56025	0.416	ppbv #	86
22) trans-1,2-Dichloroethene	4.87	96	21135	0.259	ppbv #	92
23) Vinyl Acetate	5.06	43	54380	0.222	ppbv #	91
24) 1,1-Dichloroethane	4.99	63	75862	0.428	ppbv #	96
25) Ethyl Acetate	5.67	43	196452	0.466	ppbv	96
26) Hexane	5.67	57	92739	0.450	ppbv	91
27) Carbon Disulfide	4.54	76	71281	0.388	ppbv #	88
28) Methyl tert-Butyl Ether	5.02	73	16423	0.083	ppbv #	51
29) Chloroform	5.74	83	143626	0.492	ppbv	99
30) Cyclohexane	7.11	84	39741	0.232	ppbv #	23
31) cis-1,2-Dichloroethene	5.54	61	77845	0.418	ppbv #	86
32) 1,1,1-Trichloroethane	6.49	97	131504	0.459	ppbv	97
34) 2-Butanone	5.24	43	77775	0.393	ppbv #	68
35) Carbon Tetrachloride	7.00	117	119908	0.419	ppbv	98
36) Benzene	6.88	78	177970	0.437	ppbv	96
37) 1,2-Dichloroethane	6.29	62	92700	0.460	ppbv	97
38) Trichloroethene	7.82	130	75375	0.451	ppbv	93
39) 1,2-Dichloropropane	7.60	63	72458	0.463	ppbv	97
41) Tetrahydrofuran	6.04	42	3056	0.032	ppbv #	36
42) Bromodichloromethane	7.78	83	101733	0.345	ppbv	98
43) Methyl Methacrylate	8.00	69	50825	0.358	ppbv	90
44) 2,2,4-Trimethylpentane	7.85	57	320347	0.468	ppbv	96
45) t-1,3-Dichloropropene	9.25	75	17586	0.165	ppbv	100
46) cis-1,3-Dichloropropene	8.69	75	46407	0.312	ppbv	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
47) 1,1,2-Trichloroethane	9.46	97	73453	0.435	ppbv	# 87
48) Dibromochloromethane	10.29	129	87239	0.359	ppbv	88
49) Bromoform	13.02	173	54714	0.285	ppbv	# 84
50) 4-Methyl-2-Pentanone	8.74	43	35638	0.138	ppbv	# 38
52) Tetrachloroethene	11.21	164	28898	0.173	ppbv	94
53) Toluene	9.79	91	178548	0.384	ppbv	99
54) 1,2-Dibromoethane	10.59	107	104879	0.445	ppbv	84
56) 1,1,1,2-Tetrachloroethane	12.11	131	83108	0.466	ppbv	# 1
57) Chlorobenzene	12.12	112	178421	0.502	ppbv	# 94
58) Ethyl Benzene	12.69	91	243497	0.410	ppbv	95
59) m/p-Xylene	12.98	91	64718	0.126	ppbv	# 1
60) o-Xylene	13.68	91	68805	0.143	ppbv	# 29
61) Styrene	13.51	104	30421	0.122	ppbv	# 1
62) Isopropylbenzene	14.64	105	318563	0.470	ppbv	97
63) 1,1,2,2-Tetrachloroethane	13.66	83	77682	0.217	ppbv	# 1
64) n-propylbenzene	15.54	120	73612	0.426	ppbv	81
65) tert-Butylbenzene	16.73	119	137991	0.223	ppbv	# 19
66) Benzyl Chloride	16.99	91	1484	0.053	ppbv	# 63
67) sec-Butylbenzene	17.27	105	380784	0.441	ppbv	100
69) p-Isopropyltoluene	17.63	119	276204	0.393	ppbv	96
70) n-Butylbenzene	18.53	91	274796	0.409	ppbv	98
71) 2-Chlorotoluene	15.44	91	209288	0.421	ppbv	100
72) 4-Ethyltoluene	15.83	105	77784	0.136	ppbv	# 55
73) 1,3,5-Trimethylbenzene	15.98	105	112990	0.212	ppbv	# 84
74) 1,2,4-Trimethylbenzene	16.74	105	148688	0.263	ppbv	# 82
75) 1,3-Dichlorobenzene	16.98	146	149714	0.440	ppbv	90
76) 1,4-Dichlorobenzene	17.12	146	131468	0.383	ppbv	90
77) 1,2-Dichlorobenzene	17.79	146	135626	0.405	ppbv	88
78) Hexachloro-1,3-Butadiene	23.35	225	145470	0.522	ppbv	99
79) Naphthalene	22.17	128	65667	0.173	ppbv	# 92
80) Naphthalene,2-methyl-	24.97	142	11021	0.105	ppbv	# 76
81) 1,2,4-Trichlorobenzene	21.90	180	46336	0.195	ppbv	# 28

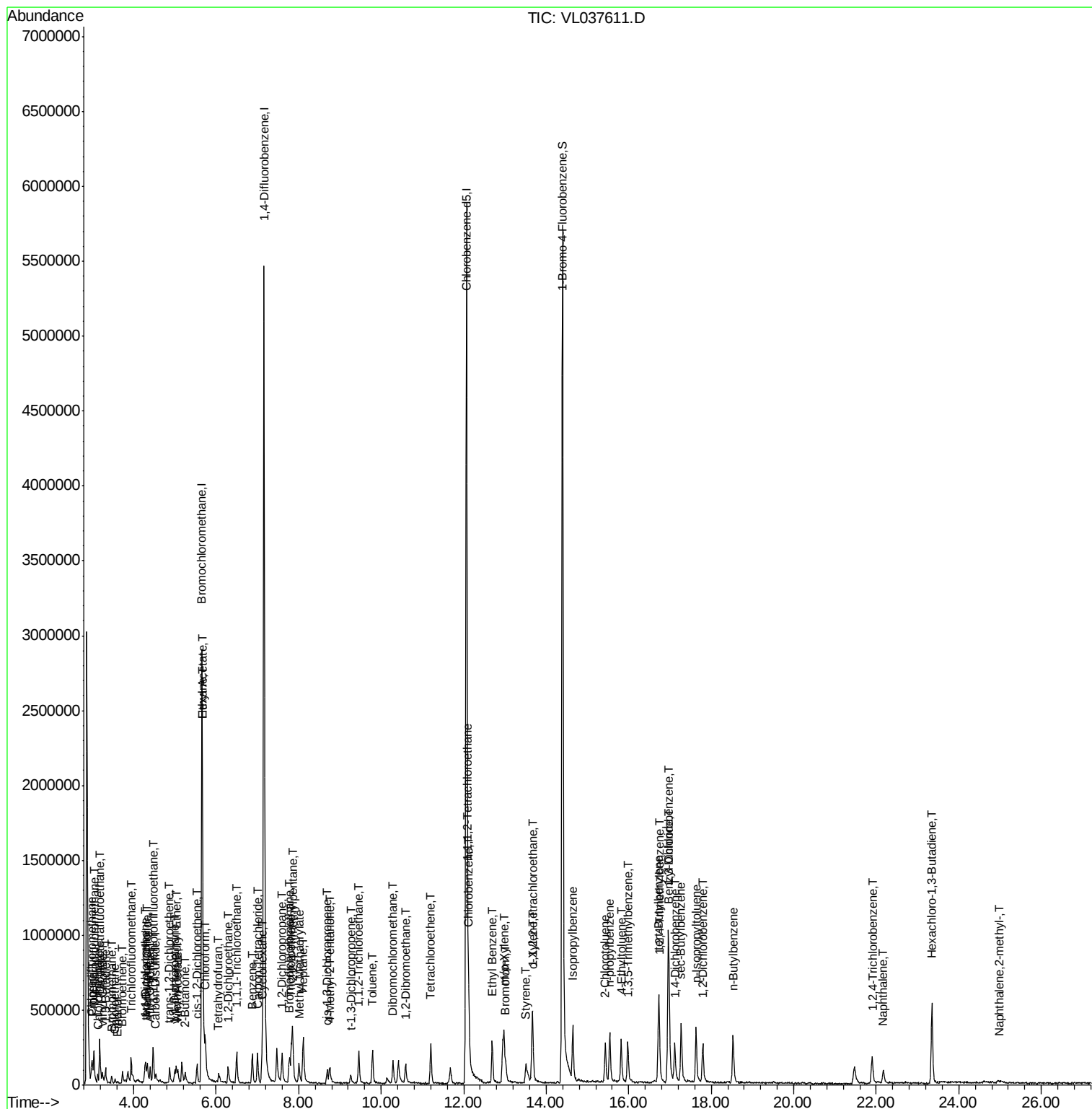
(#) = qualifier out of range (m) = manual integration (+) = signals summed

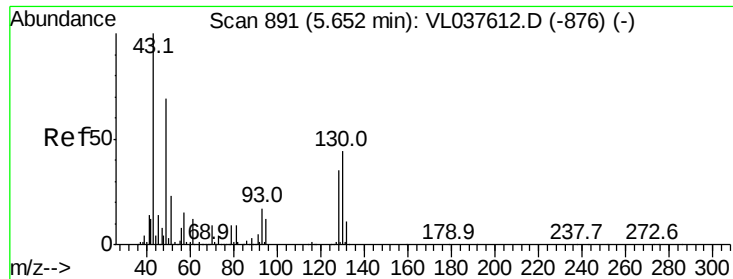
Data File : VL037611.D

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Acq On       : 16 Sep 2021   9:24
Operator     : SY/AP
Sample       : VSTDICC0.5
Misc         : 400mL/MSVOA_L
ALS Vial     : 1      Sample Multipl
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VSTDICC0.5

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

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Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

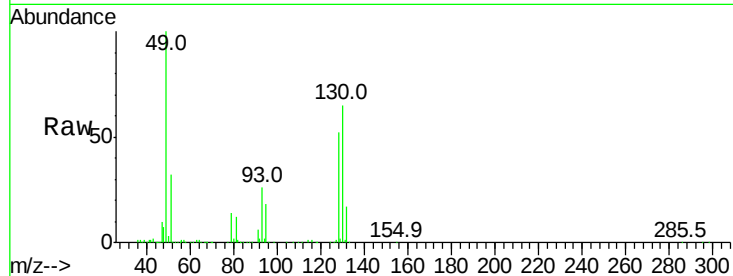
Tgt Ion: 49 Resp: 1630437

Ion Ratio Lower Upper

49 100

128 54.8 27.5 82.4

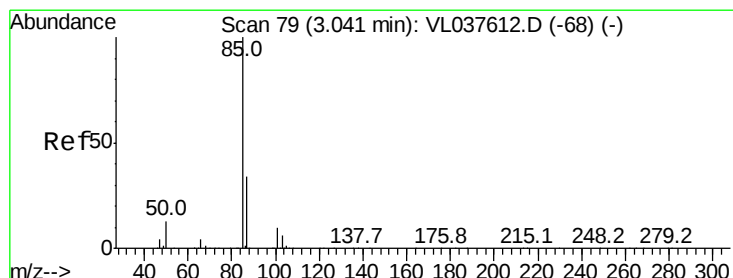
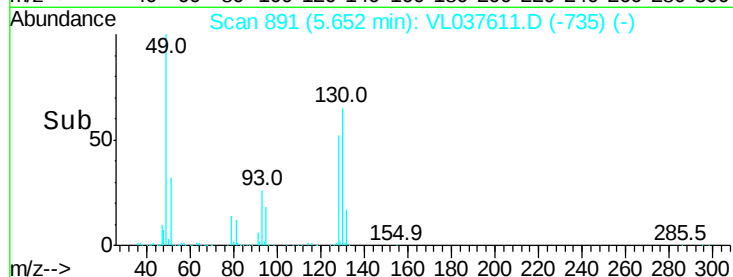
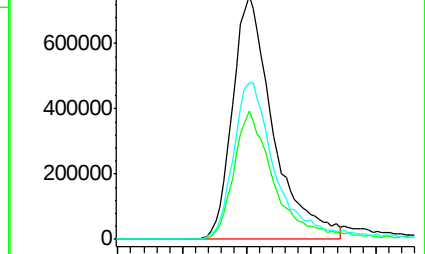
130 69.5 34.0 101.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.625 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL037611.D

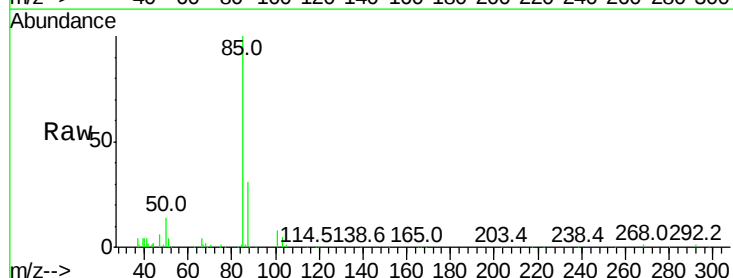
Acq: 16 Sep 2021 9:24

Tgt Ion: 85 Resp: 163504

Ion Ratio Lower Upper

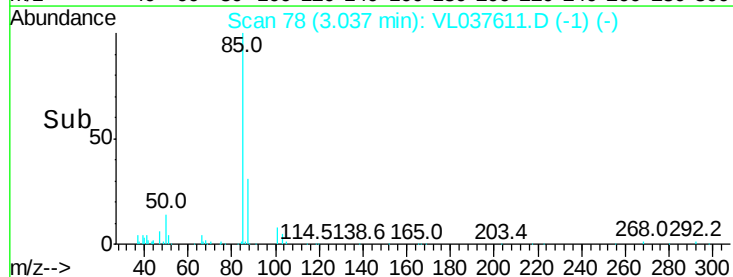
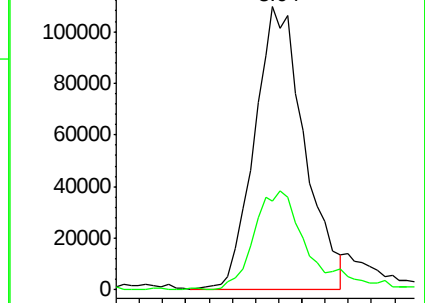
85 100

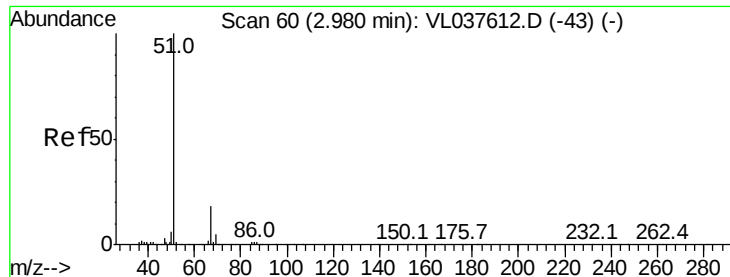
87 30.5 27.6 41.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.528 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

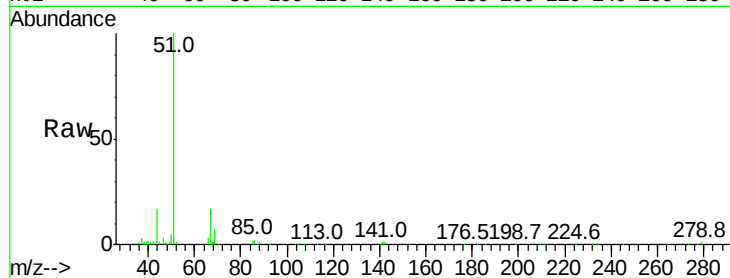
VSTDIC0.5

Tgt Ion: 51 Resp: 164835

Ion Ratio Lower Upper

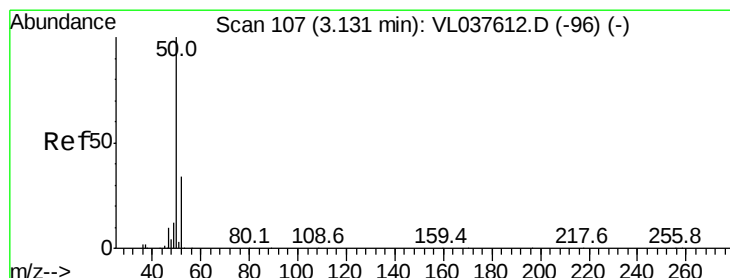
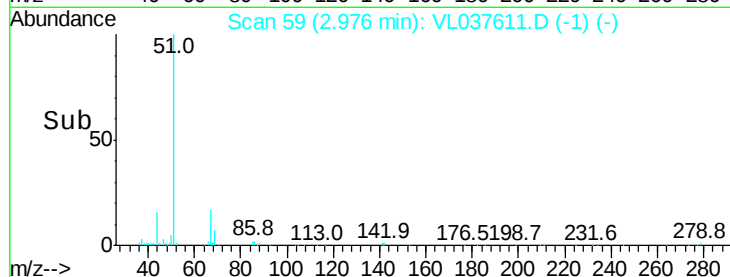
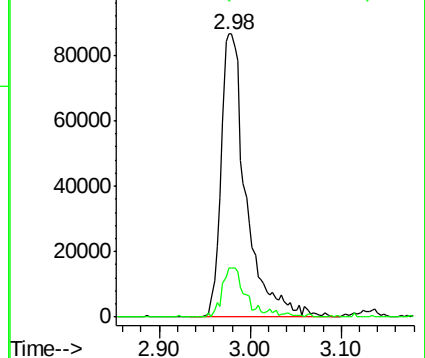
51 100

67 17.4 14.2 21.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.542 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037611.D

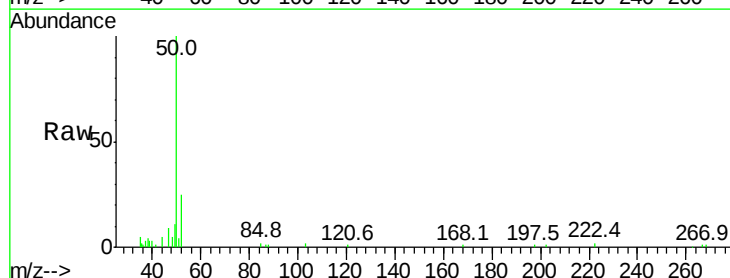
Acq: 16 Sep 2021 9:24

Tgt Ion: 50 Resp: 60447

Ion Ratio Lower Upper

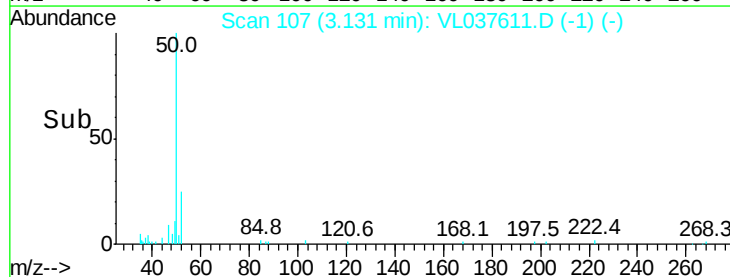
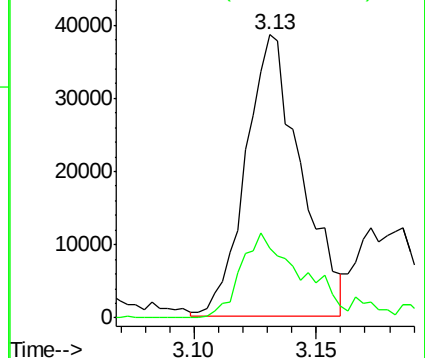
50 100

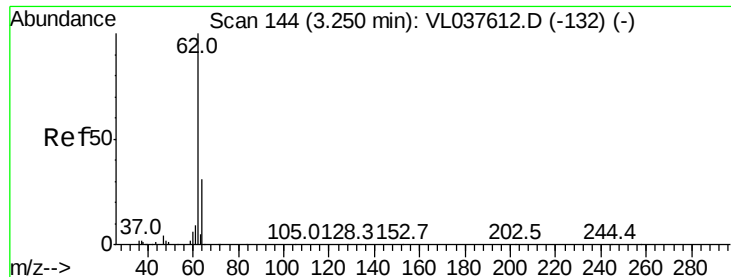
52 25.0 24.0 36.0



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#5

Vinyl Chloride

Concen: 0.419 ppbv

RT: 3.25 min Scan# 143

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

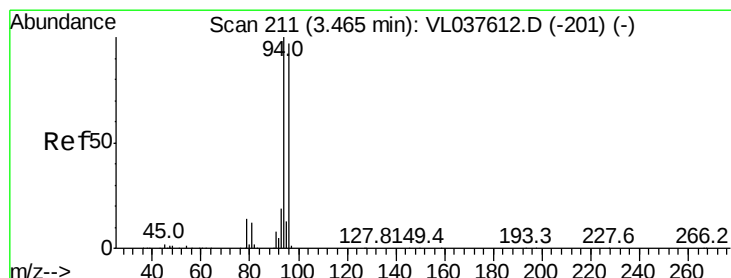
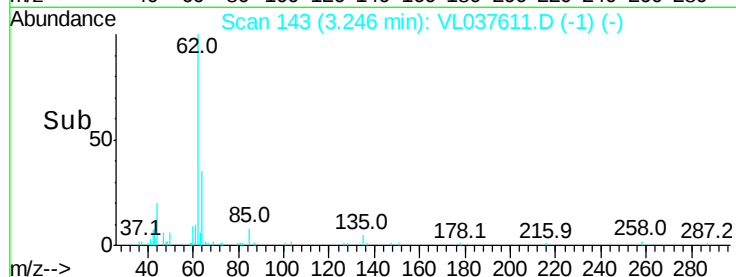
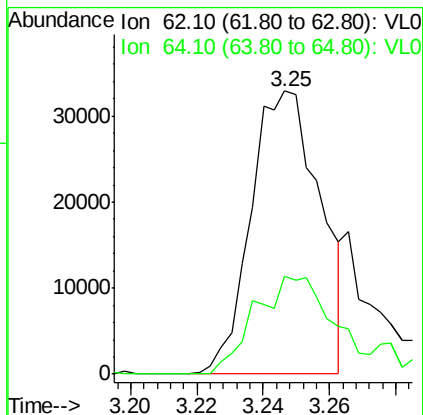
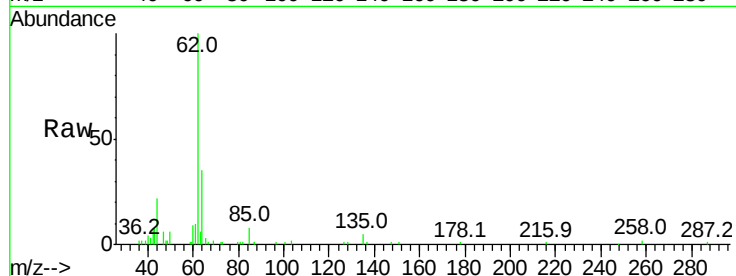
VSTDIC0.5

Tgt Ion: 62 Resp: 47871

Ion Ratio Lower Upper

62 100

64 34.8 26.5 39.7



#6

Bromomethane

Concen: 0.207 ppbv

RT: 3.47 min Scan# 212

Delta R.T. 0.00 min

Lab File: VL037611.D

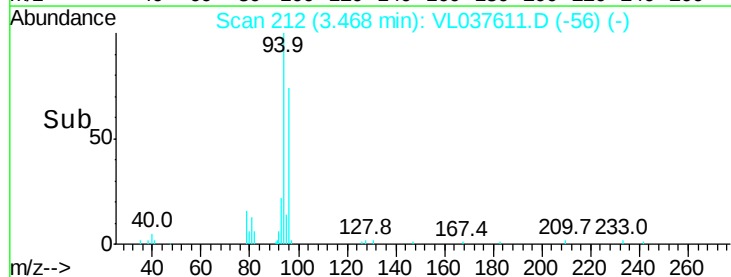
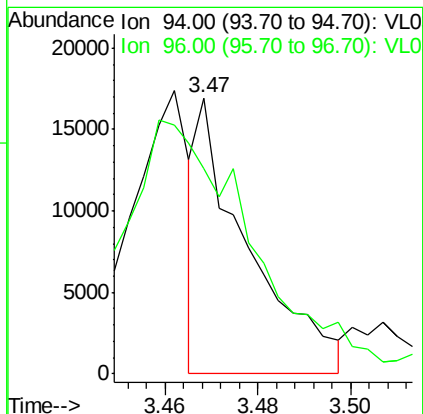
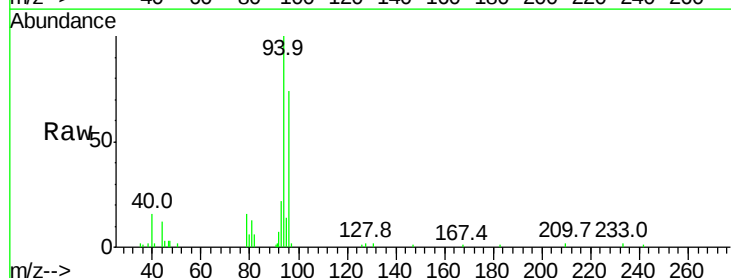
Acq: 16 Sep 2021 9:24

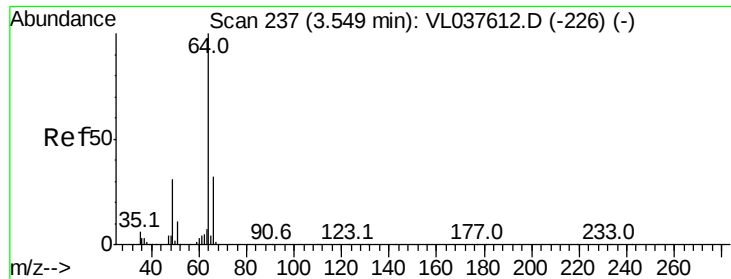
Tgt Ion: 94 Resp: 12943

Ion Ratio Lower Upper

94 100

96 65.2 74.5 111.7#





#7

Chloroethane

Concen: 0.151 ppbv

RT: 3.55 min Scan# 238

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

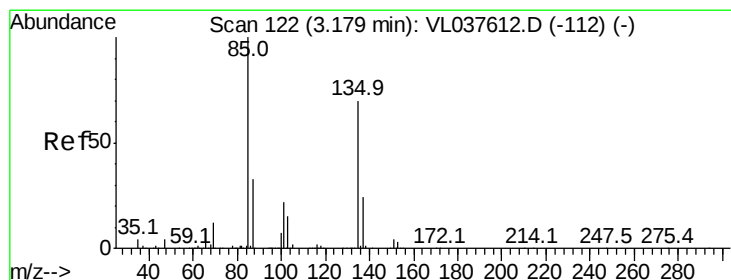
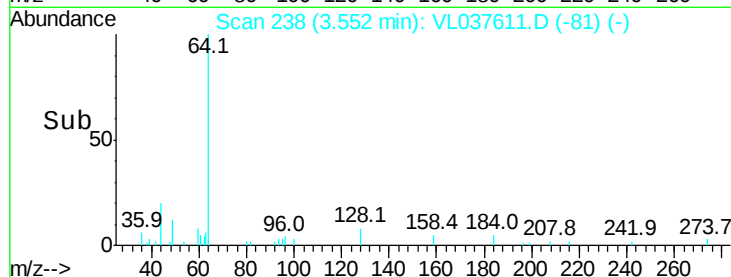
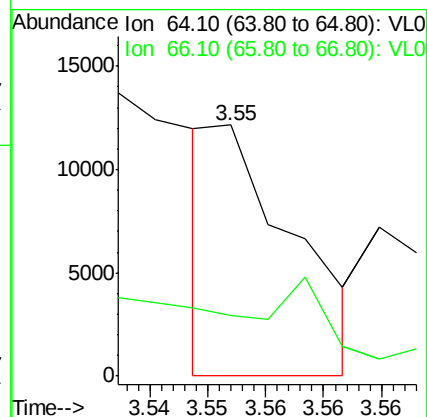
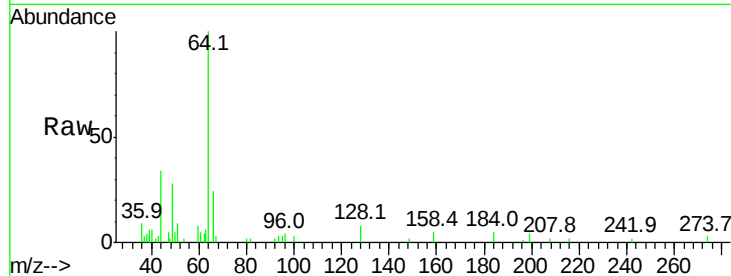
VSTDIC0.5

Tgt Ion: 64 Resp: 5872

Ion Ratio Lower Upper

64 100

66 24.2 28.6 43.0#



#8

Dichlorotetrafluoroethane

Concen: 0.475 ppbv

RT: 3.18 min Scan# 121

Delta R.T. -0.00 min

Lab File: VL037611.D

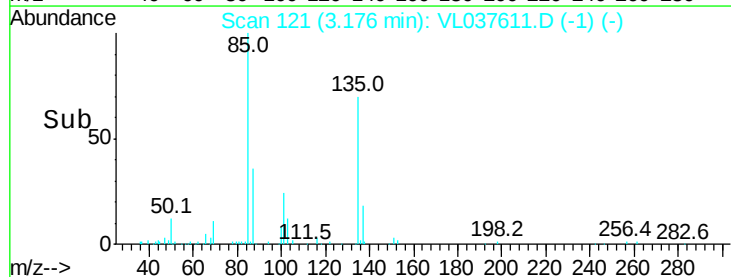
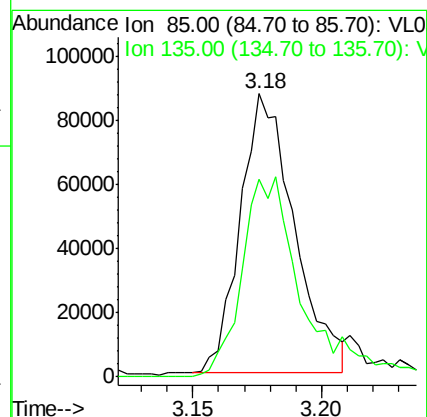
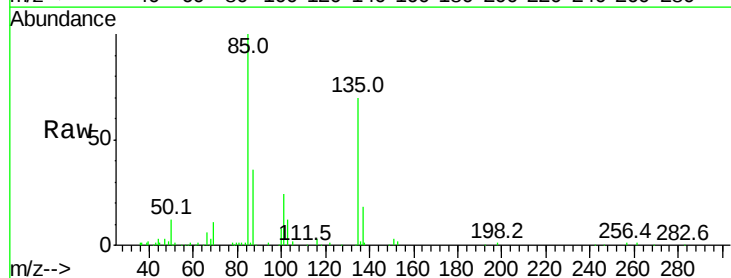
Acq: 16 Sep 2021 9:24

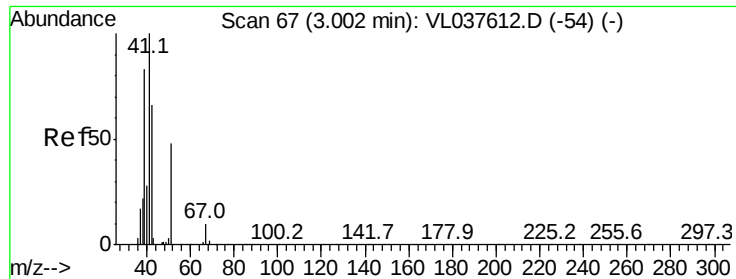
Tgt Ion: 85 Resp: 128330

Ion Ratio Lower Upper

85 100

135 80.0 58.8 88.2





#9

Propene

Concen: 0.520 ppbv

RT: 3.00 min Scan# 67

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

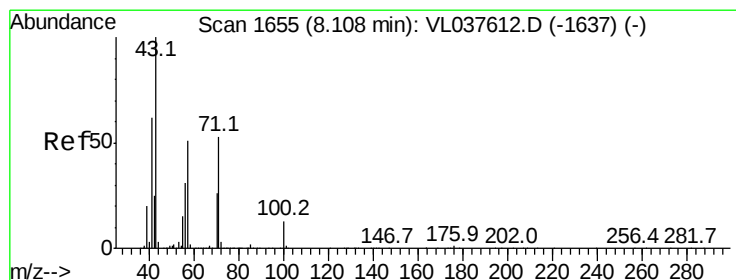
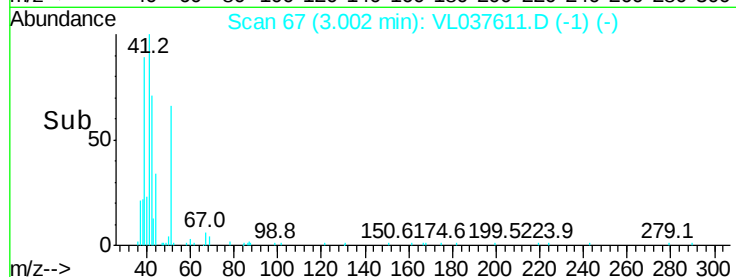
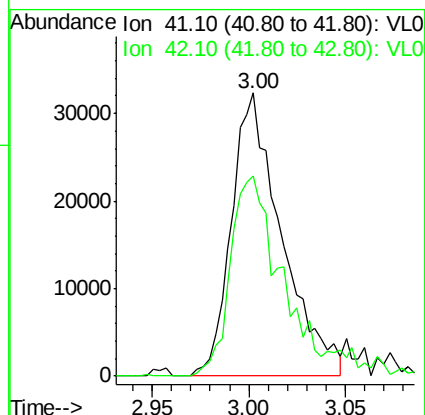
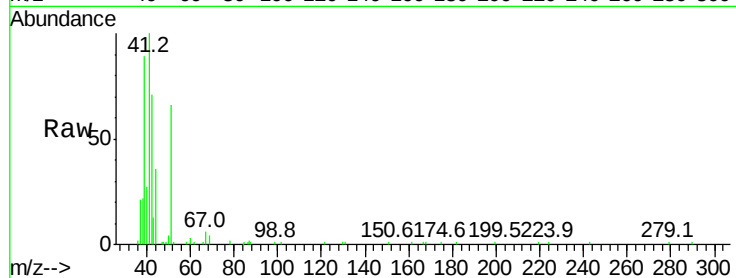
VSTDIC0.5

Tgt Ion: 41 Resp: 58103

Ion Ratio Lower Upper

41 100

42 77.3 53.7 80.5



#10

Heptane

Concen: 0.432 ppbv

RT: 8.10 min Scan# 1654

Delta R.T. 0.00 min

Lab File: VL037611.D

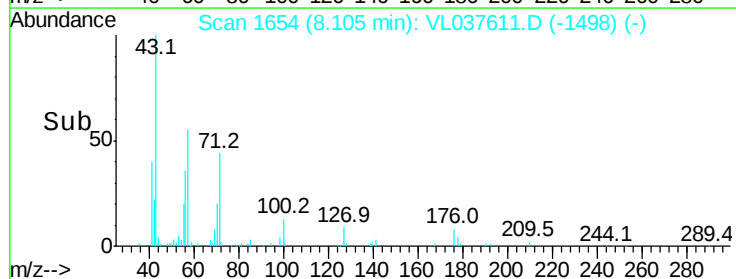
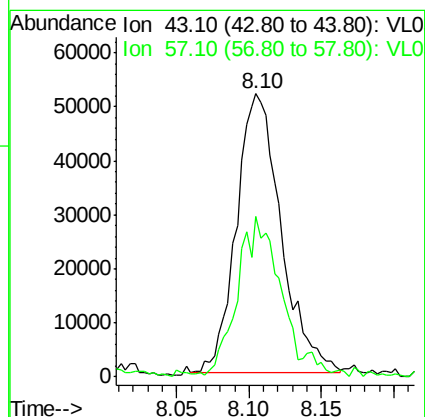
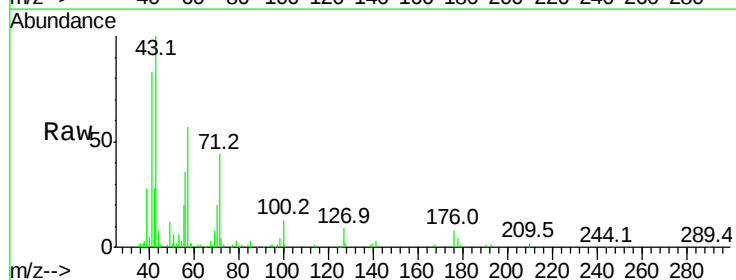
Acq: 16 Sep 2021 9:24

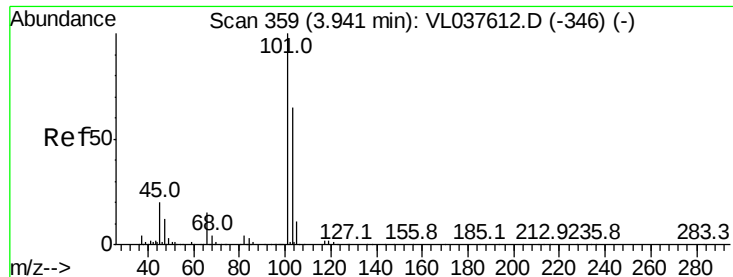
Tgt Ion: 43 Resp: 111077

Ion Ratio Lower Upper

43 100

57 57.0 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.514 ppbv

RT: 3.94 min Scan# 359

Delta R.T. 0.00 min

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MSVOA_L

ClientSampleId :

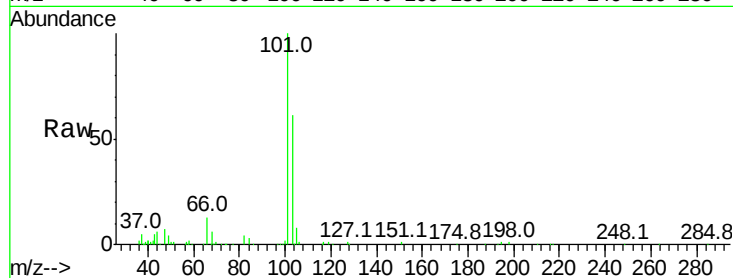
VSTDIC0.5

Tgt Ion:101 Resp: 126156

Ion Ratio Lower Upper

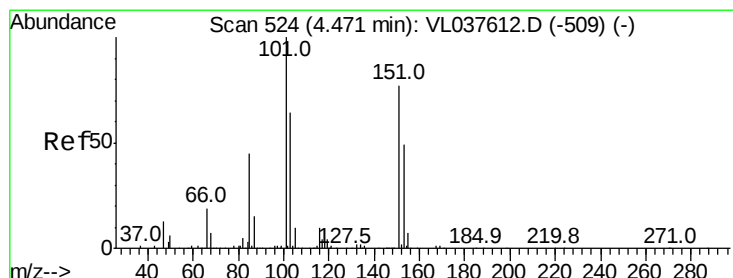
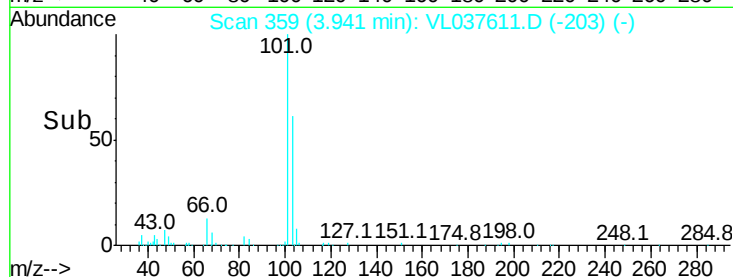
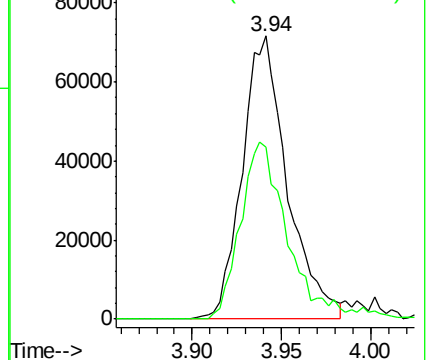
101 100

103 60.7 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.242 ppbv

RT: 4.47 min Scan# 525

Delta R.T. 0.00 min

Lab File: VL037611.D

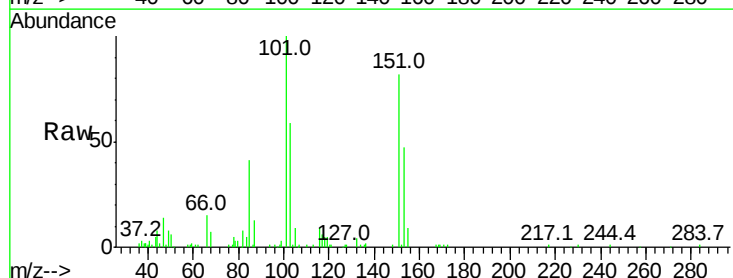
Acq: 16 Sep 2021 9:24

Tgt Ion:101 Resp: 43518

Ion Ratio Lower Upper

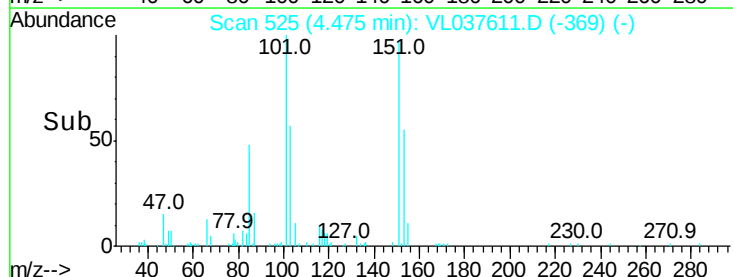
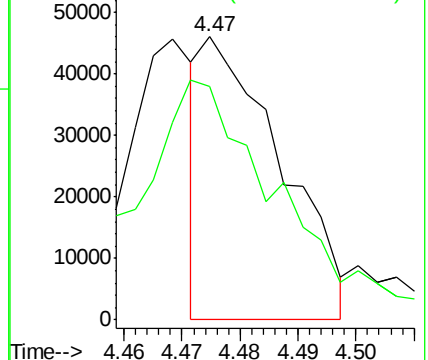
101 100

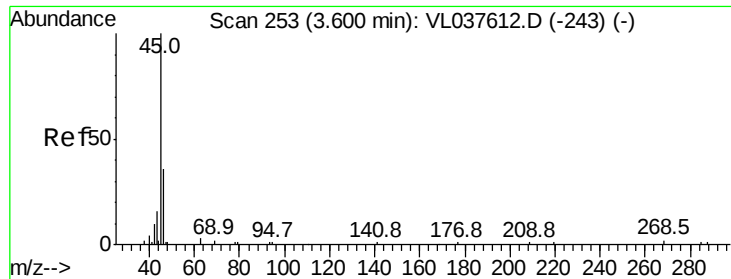
151 166.1 63.7 95.5#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

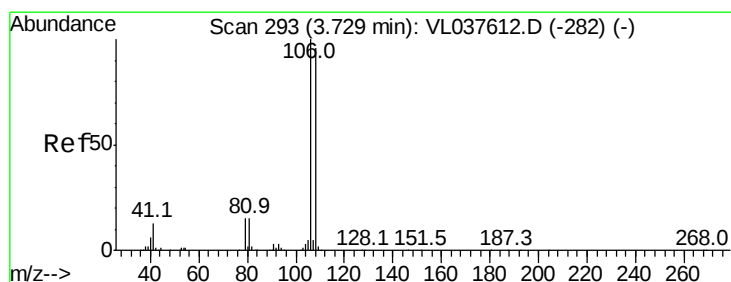
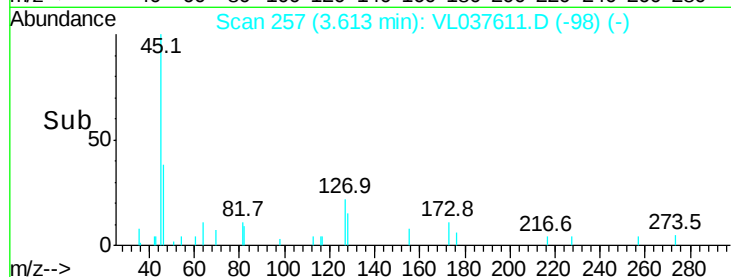
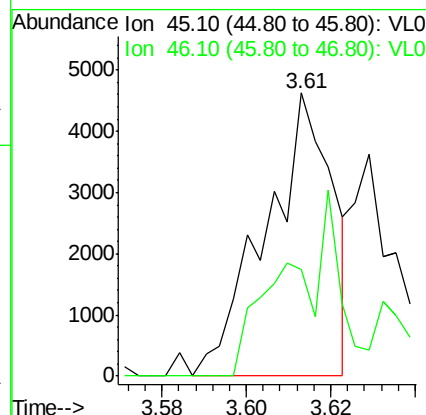
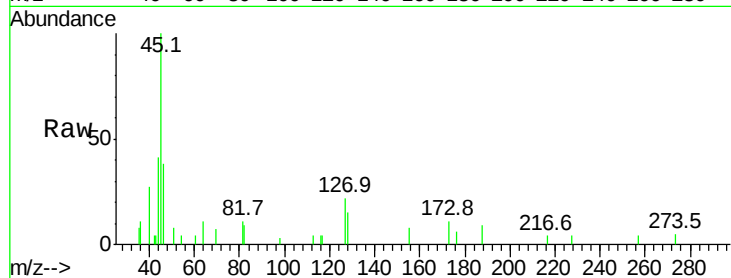




#13
Ethanol
Concen: 0.468 ppbv
RT: 3.61 min Scan# 257
Delta R.T. 0.01 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

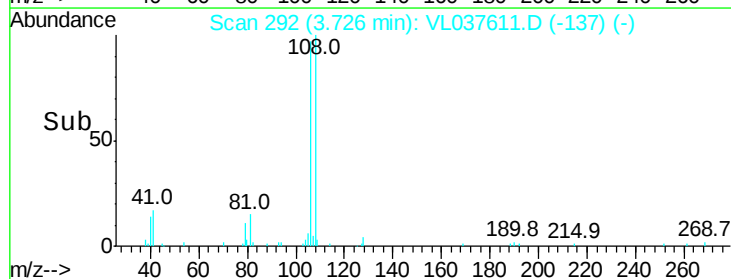
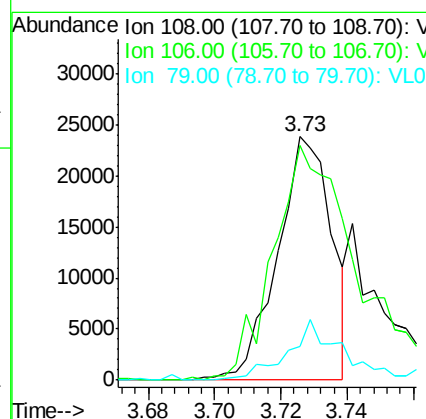
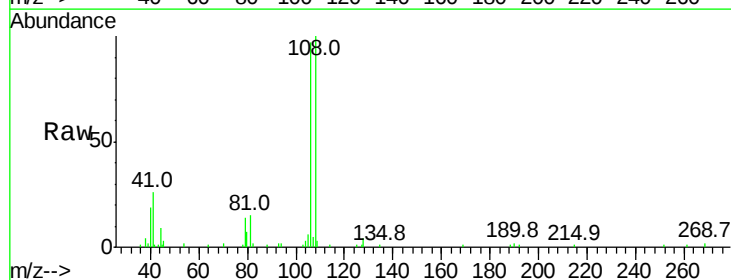
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

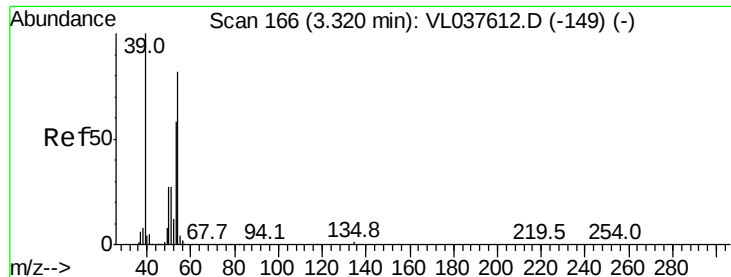
Tgt Ion: 45 Resp: 5084
Ion Ratio Lower Upper
45 100
46 74.9 14.1 56.5#



#14
Bromoethene
Concen: 0.332 ppbv
RT: 3.73 min Scan# 292
Delta R.T. -0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion: 108 Resp: 27131
Ion Ratio Lower Upper
108 100
106 162.5 85.8 128.8#
79 26.4 12.6 18.8#

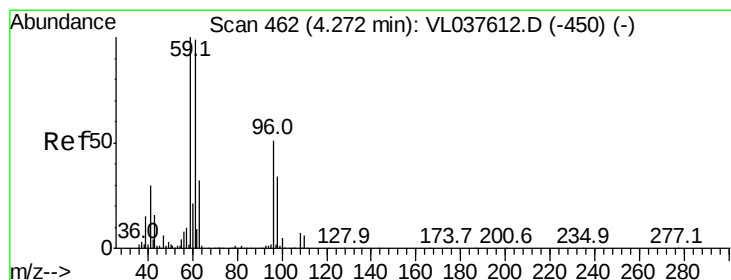
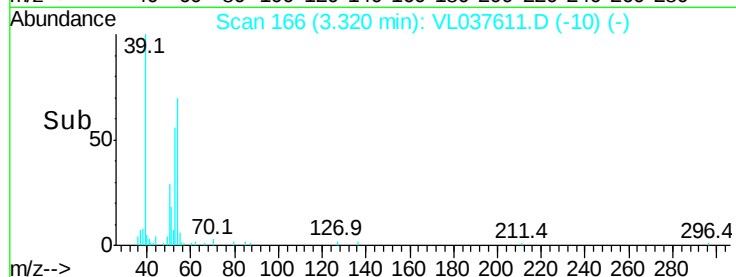
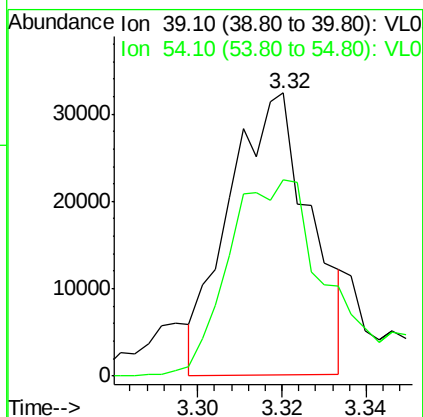
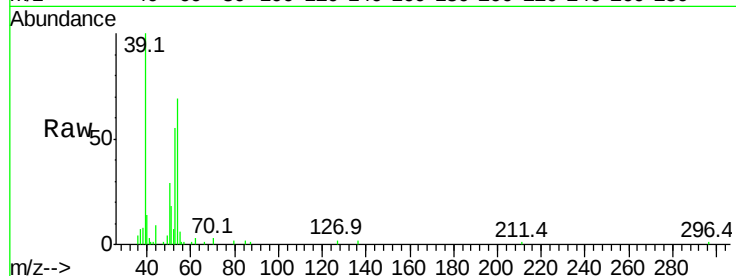




#16
 1,3-Butadiene
 Concen: 0.404 ppbv
 RT: 3.32 min Scan# 166
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

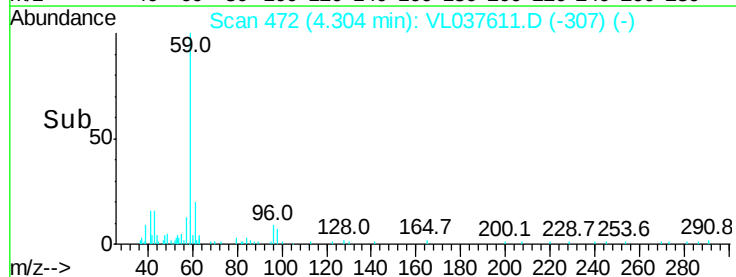
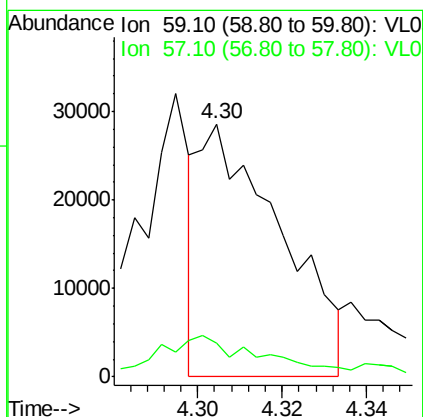
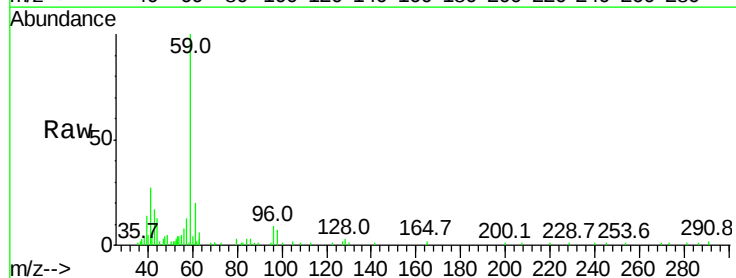
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

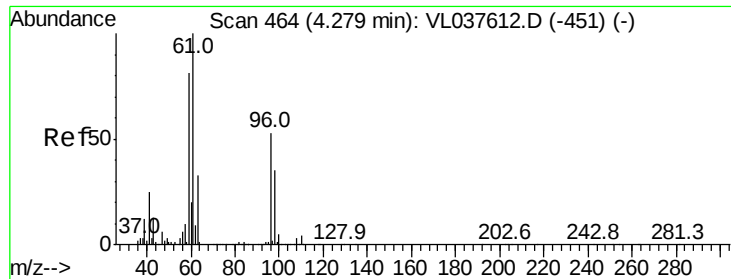
Tgt Ion: 39 Resp: 43027
 Ion Ratio Lower Upper
 39 100
 54 96.6 63.7 95.5#



#17
 tert-Butyl alcohol
 Concen: 0.254 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. 0.03 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Tgt Ion: 59 Resp: 38478
 Ion Ratio Lower Upper
 59 100
 57 25.8 8.3 12.5#

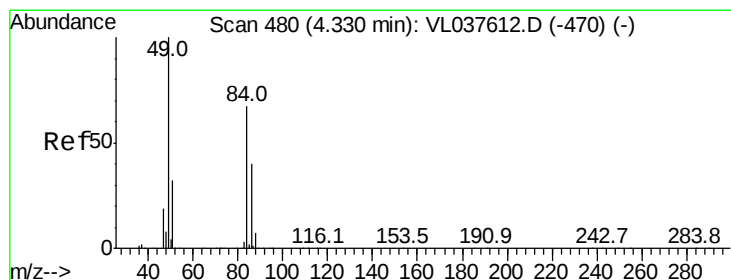
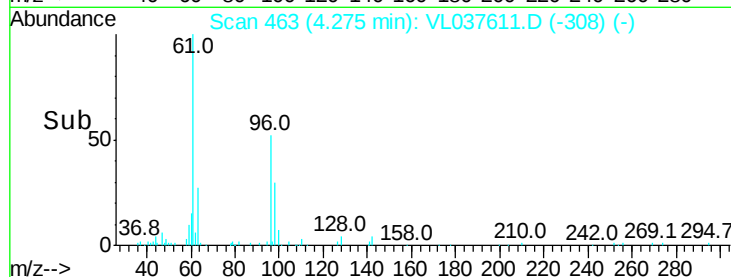
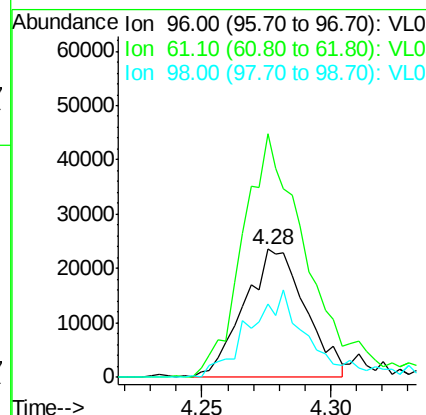
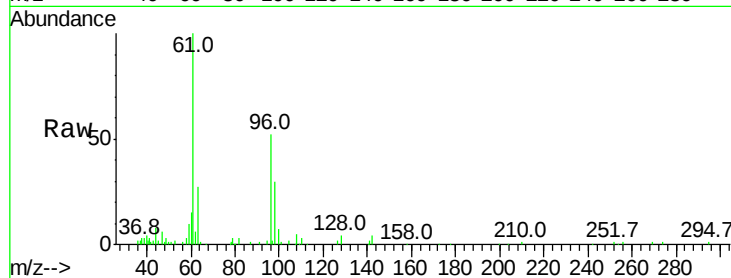




#18
 1,1-Dichloroethene
 Concen: 0.479 ppbv
 RT: 4.28 min Scan# 463
 Delta R.T. -0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

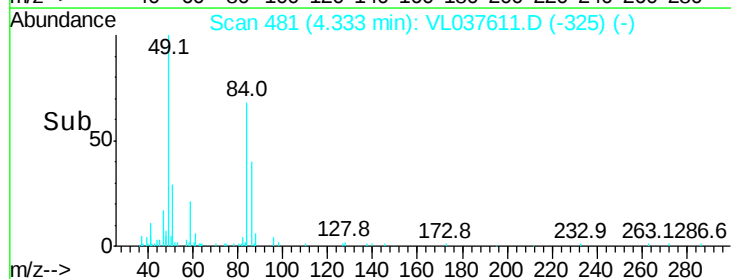
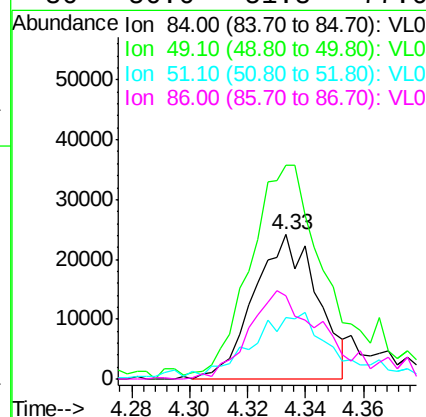
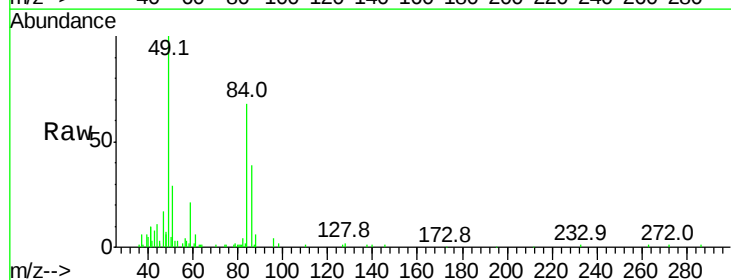
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

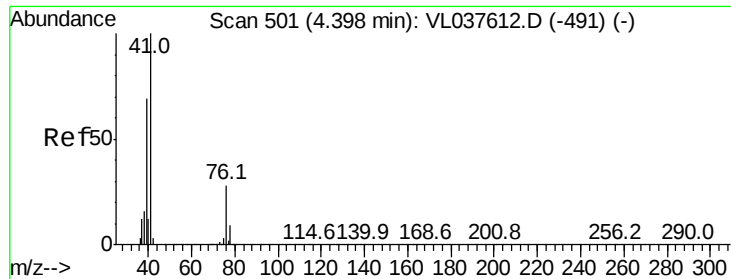
Tgt Ion: 96 Resp: 39213
 Ion Ratio Lower Upper
 96 100
 61 190.5 151.1 226.7
 98 56.7 51.8 77.8



#20
 Methylene Chloride
 Concen: 0.442 ppbv
 RT: 4.33 min Scan# 481
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Tgt Ion: 84 Resp: 36694
 Ion Ratio Lower Upper
 84 100
 49 143.3 118.2 177.2
 51 37.2 36.6 55.0
 86 56.6 51.8 77.6

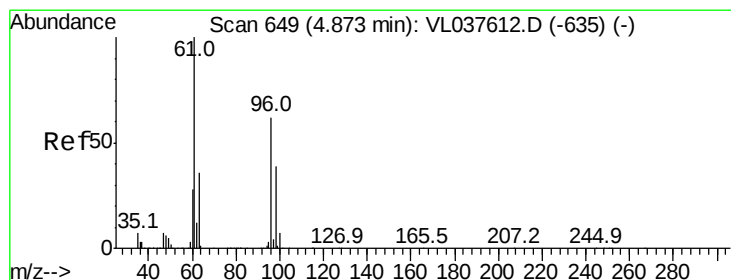
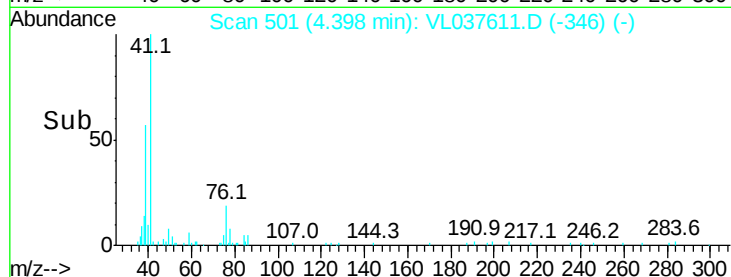
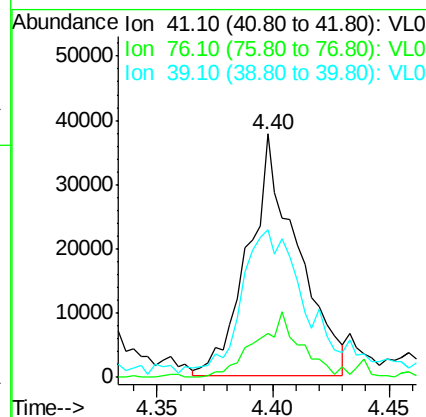
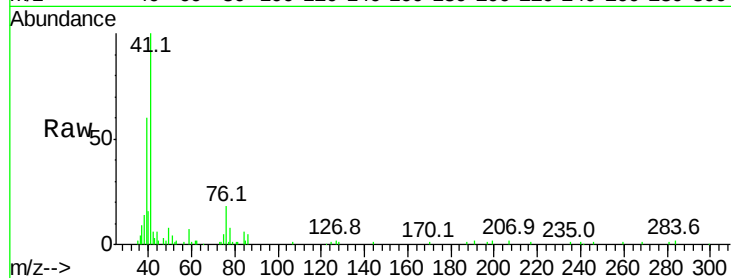




#21
 Allyl Chloride
 Concen: 0.416 ppbv
 RT: 4.40 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

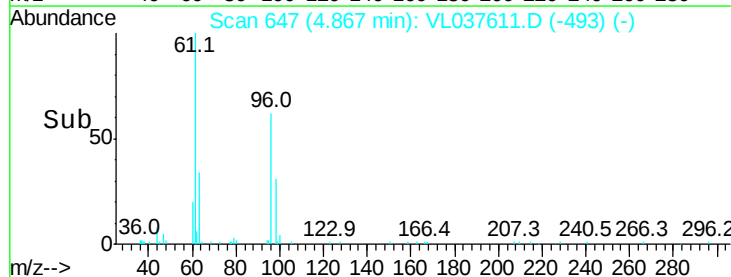
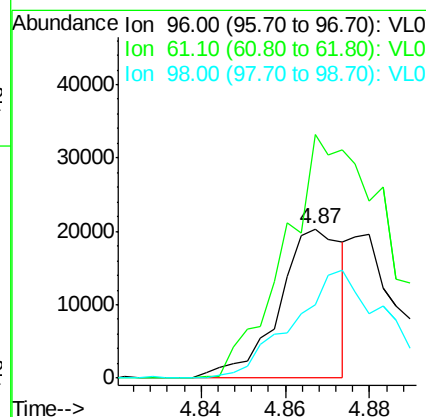
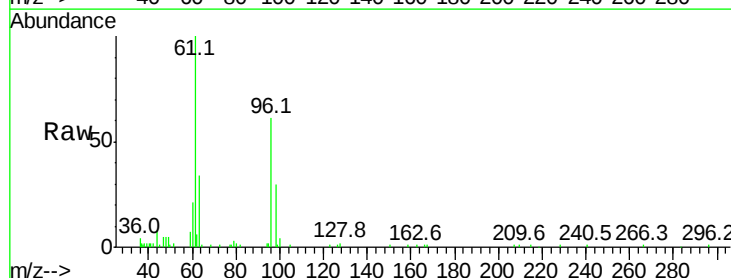
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

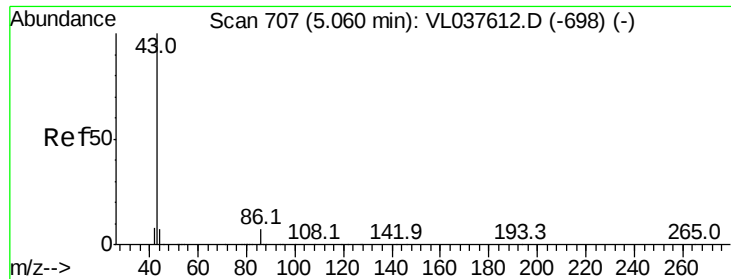
Tgt Ion: 41 Resp: 56025
 Ion Ratio Lower Upper
 41 100
 76 28.1 21.8 32.6
 39 86.1 56.8 85.2#



#22
 trans-1,2-Dichloroethene
 Concen: 0.259 ppbv
 RT: 4.87 min Scan# 647
 Delta R.T. -0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Tgt Ion: 96 Resp: 21135
 Ion Ratio Lower Upper
 96 100
 61 163.2 125.5 188.3
 98 48.9 49.0 73.4#





#23

Vinyl Acetate

Concen: 0.222 ppbv

RT: 5.06 min Scan# 708

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion: 43 Resp: 54380

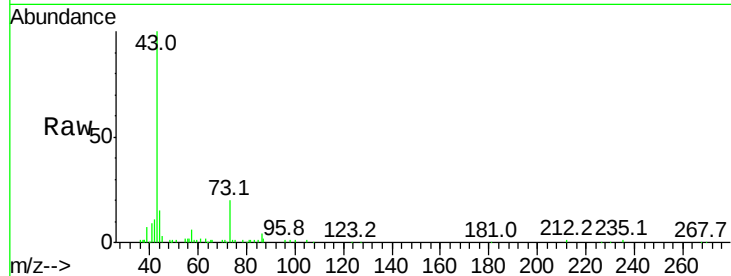
Ion Ratio Lower Upper

43 100

86 7.6 5.7 8.5

42 14.4 7.4 11.2#

44 1.9 4.3 6.5#

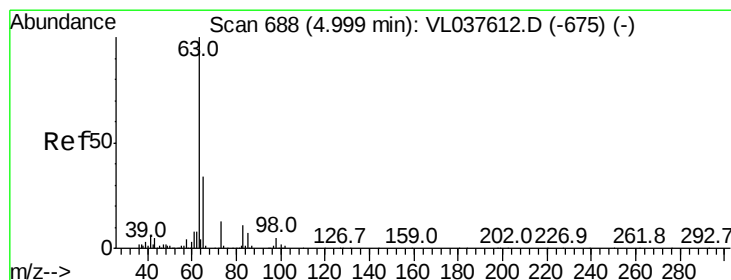
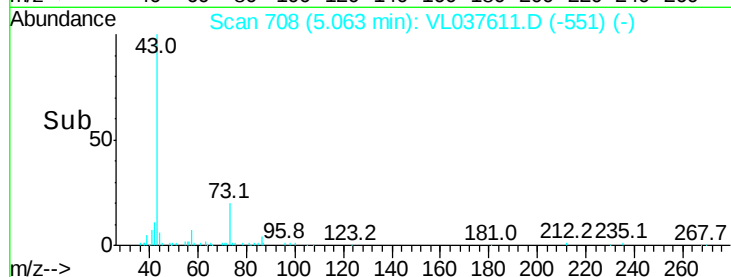
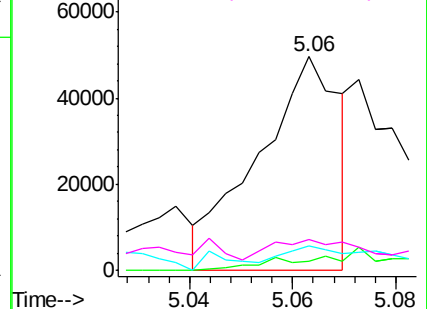


Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 0.428 ppbv

RT: 4.99 min Scan# 685

Delta R.T. -0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

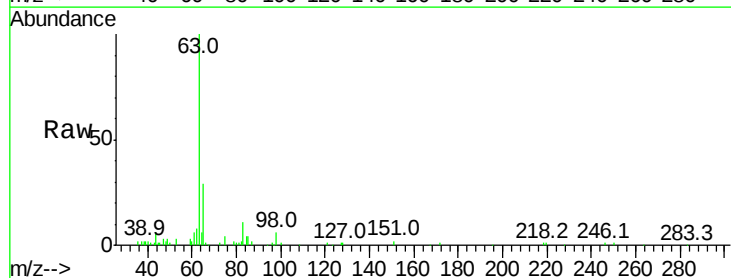
Tgt Ion: 63 Resp: 75862

Ion Ratio Lower Upper

63 100

98 4.7 2.1 6.3

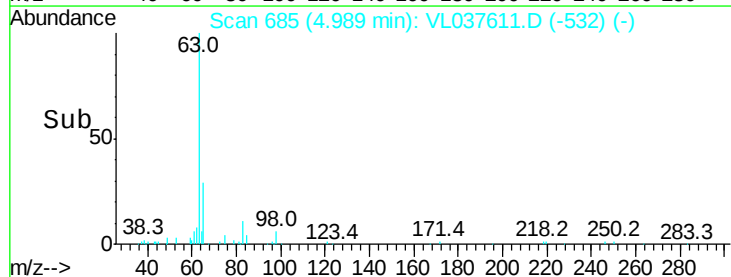
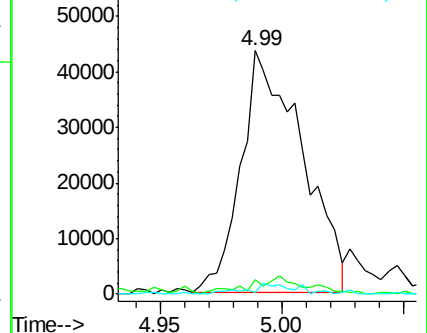
100 0.9 1.6 4.7#

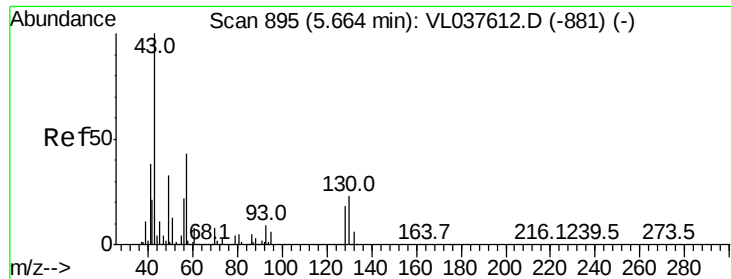


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 98.00 (97.70 to 98.70): VL0

Ion 100.00 (99.70 to 100.70): VL0

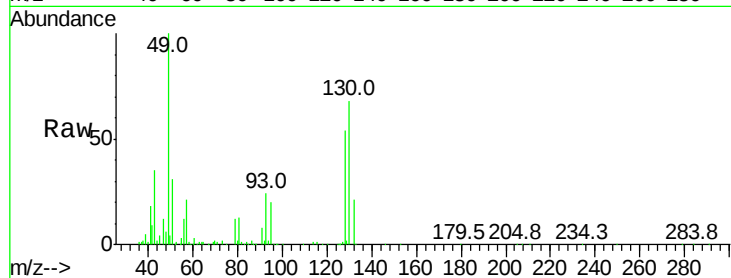




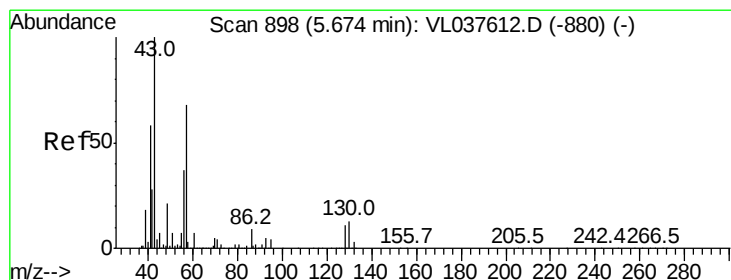
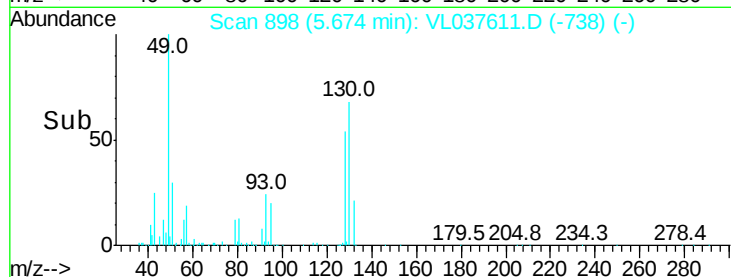
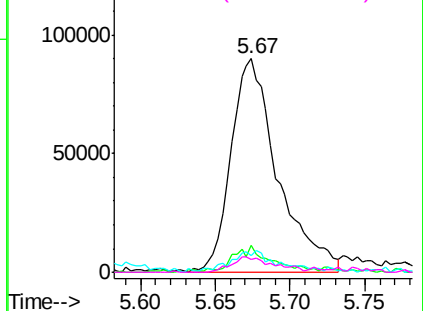
#25
Ethyl Acetate
Concen: 0.466 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.02 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:	43	Resp:	196452
Ion	Ratio	Lower	Upper
43	100		
45	11.4	8.0	12.0
61	11.8	8.0	12.0
70	8.0	5.6	8.4

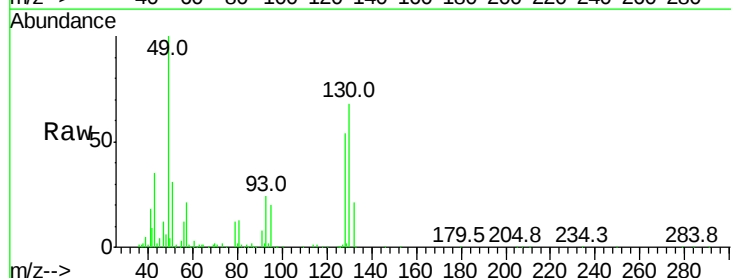


Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

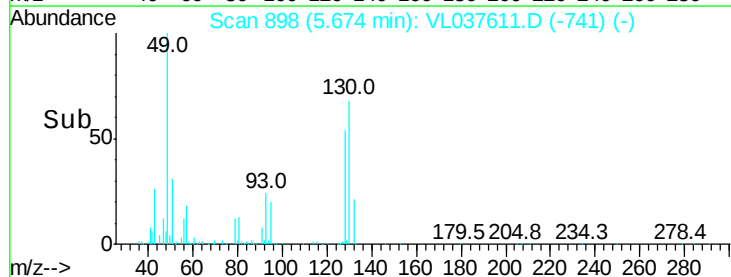
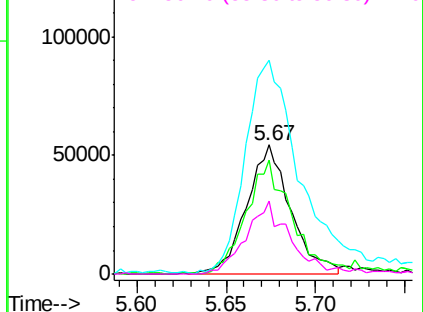


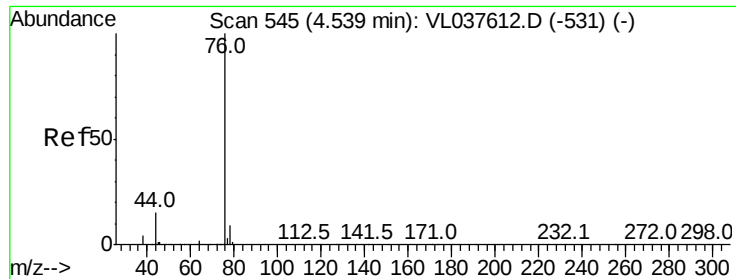
#26
Hexane
Concen: 0.450 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion:	57	Resp:	92739
Ion	Ratio	Lower	Upper
57	100		
41	99.9	72.3	108.5
43	228.0	172.3	258.5
56	59.8	42.8	64.2



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





#27

Carbon Disulfide

Concen: 0.388 ppbv

RT: 4.54 min Scan# 546

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

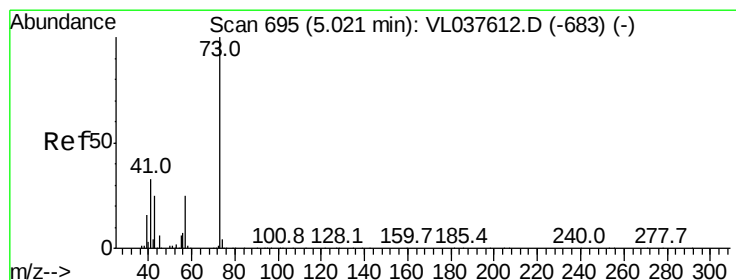
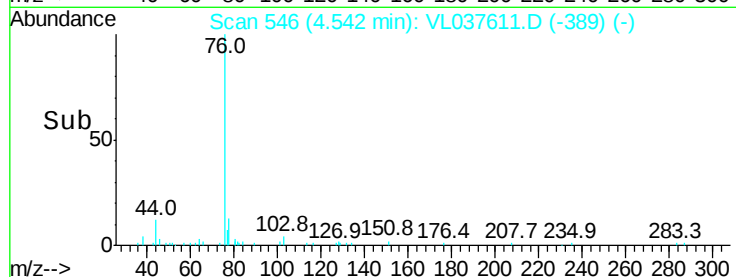
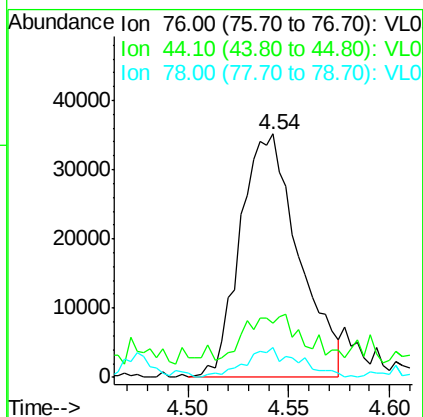
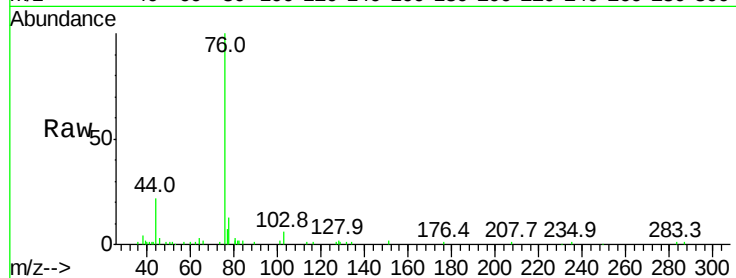
Tgt Ion: 76 Resp: 71281

Ion Ratio Lower Upper

76 100

44 24.9 13.9 20.9#

78 11.0 7.9 11.9



#28

Methyl tert-Butyl Ether

Concen: 0.083 ppbv

RT: 5.02 min Scan# 695

Delta R.T. -0.00 min

Lab File: VL037611.D

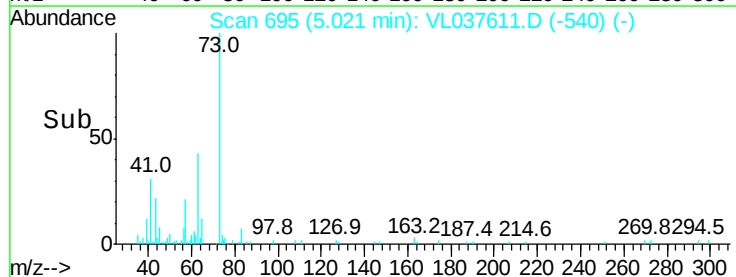
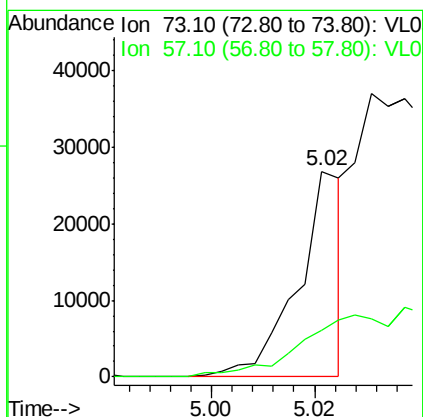
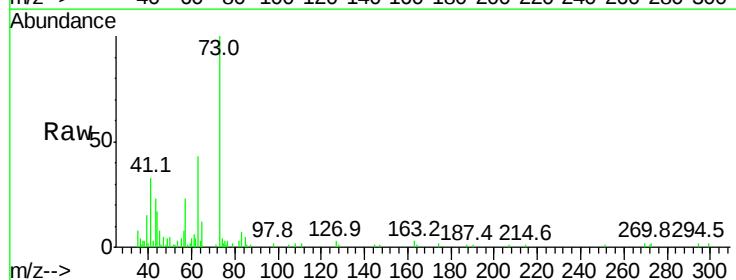
Acq: 16 Sep 2021 9:24

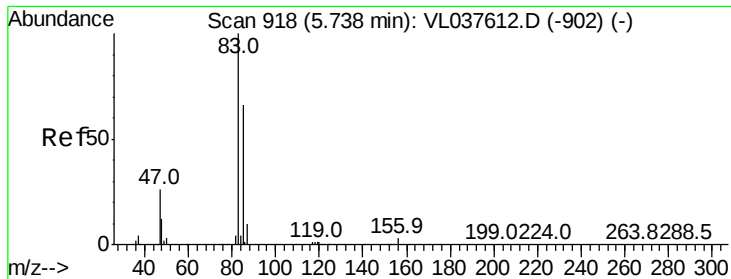
Tgt Ion: 73 Resp: 16423

Ion Ratio Lower Upper

73 100

57 0.0 19.4 29.2#





#29

Chloroform

Concen: 0.492 ppbv

RT: 5.74 min Scan# 918

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

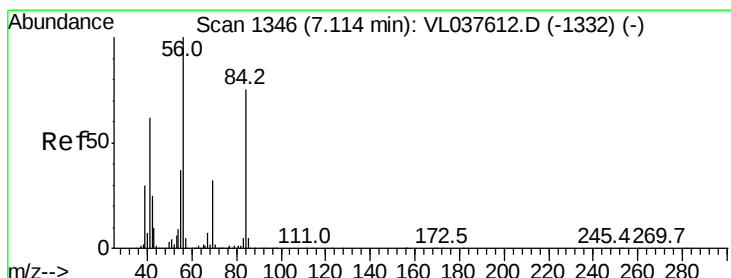
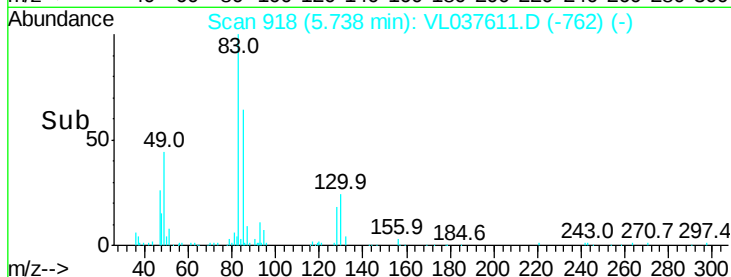
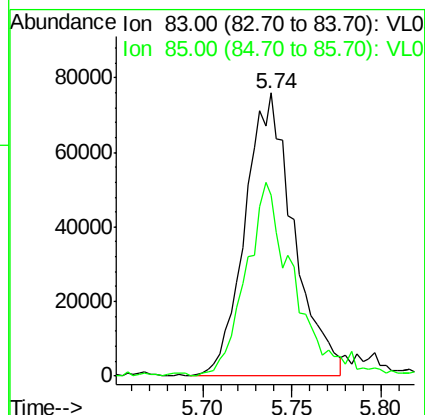
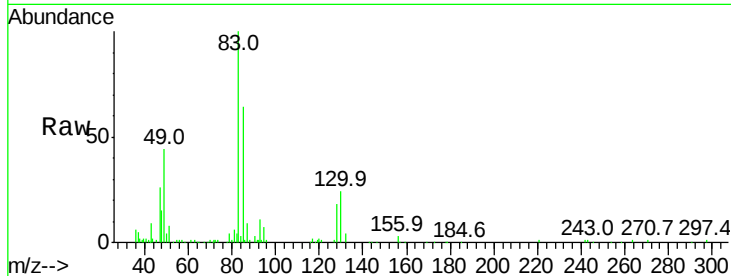
VSTDIC0.5

Tgt Ion: 83 Resp: 143626

Ion Ratio Lower Upper

83 100

85 64.3 52.3 78.5



#30

Cyclohexane

Concen: 0.232 ppbv

RT: 7.11 min Scan# 1345

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

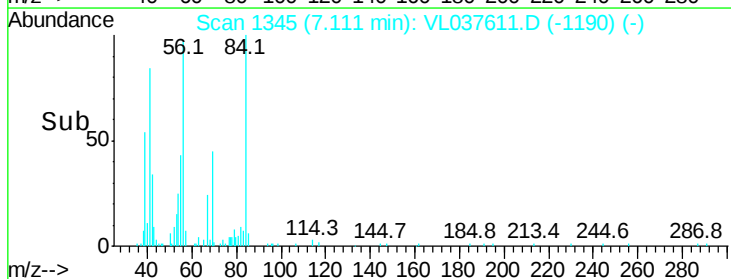
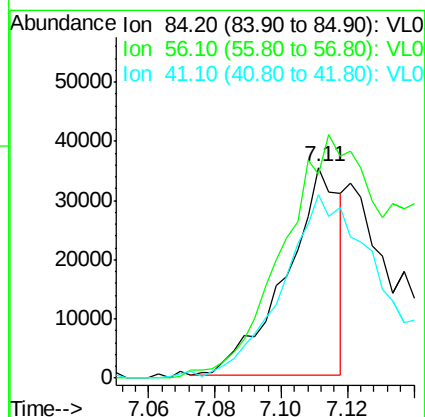
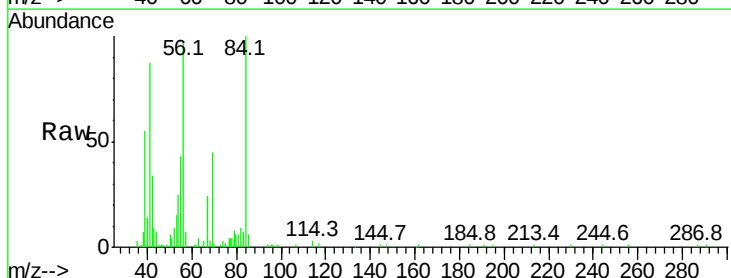
Tgt Ion: 84 Resp: 39741

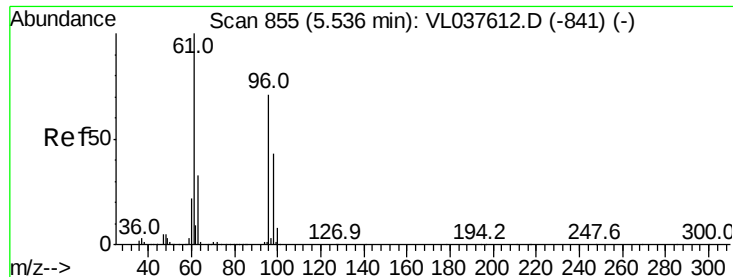
Ion Ratio Lower Upper

84 100

56 219.6 110.6 165.8#

41 168.4 67.0 100.6#





#31

cis-1,2-Dichloroethene

Concen: 0.418 ppbv

RT: 5.54 min Scan# 855

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

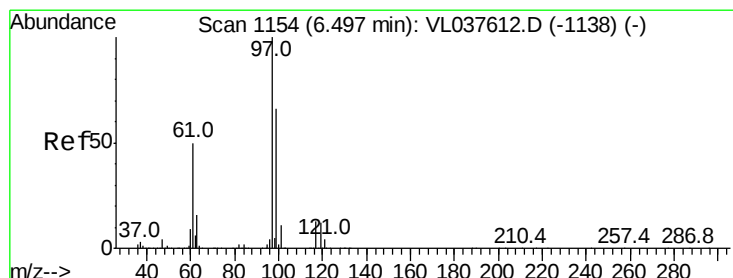
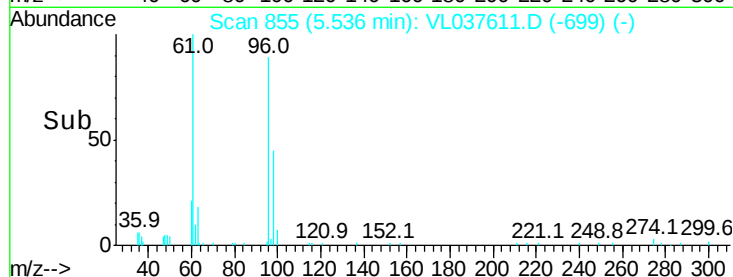
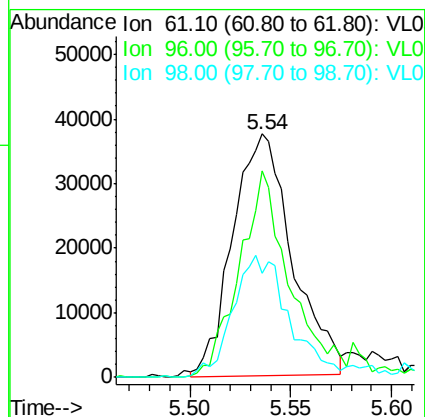
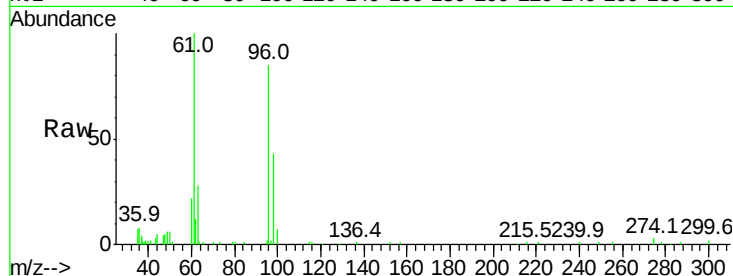
Tgt Ion: 61 Resp: 77845

Ion Ratio Lower Upper

61 100

96 86.2 54.8 82.2#

98 43.4 34.2 51.2



#32

1,1,1-Trichloroethane

Concen: 0.459 ppbv

RT: 6.49 min Scan# 1153

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

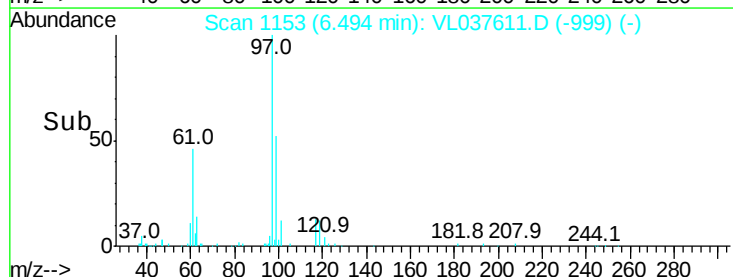
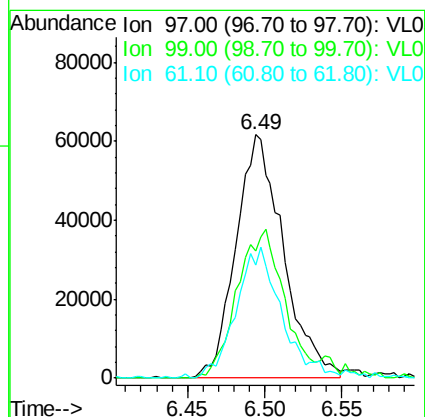
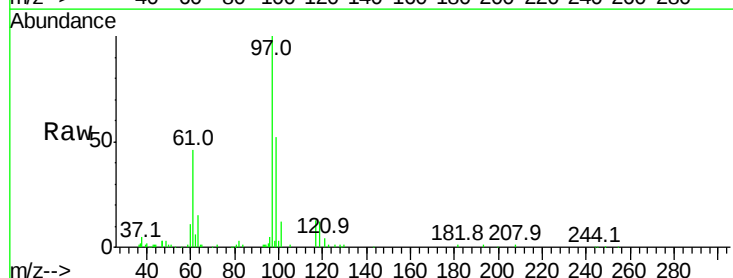
Tgt Ion: 97 Resp: 131504

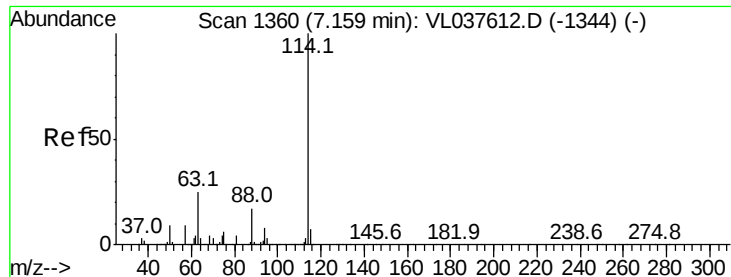
Ion Ratio Lower Upper

97 100

99 65.4 51.8 77.6

61 53.1 39.6 59.4





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. 0.00 min

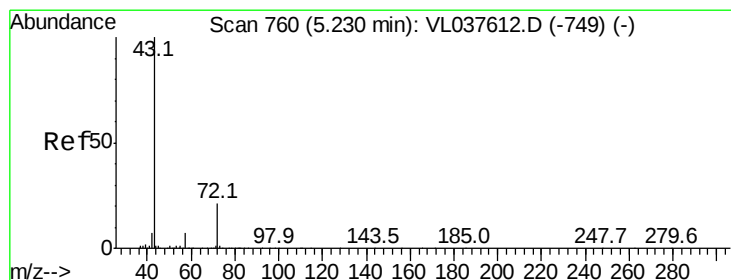
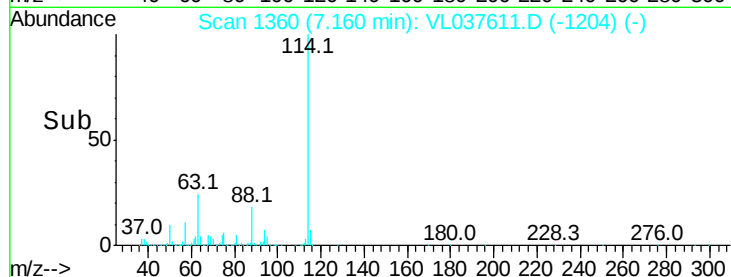
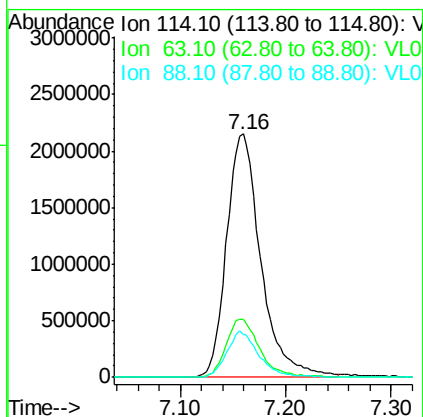
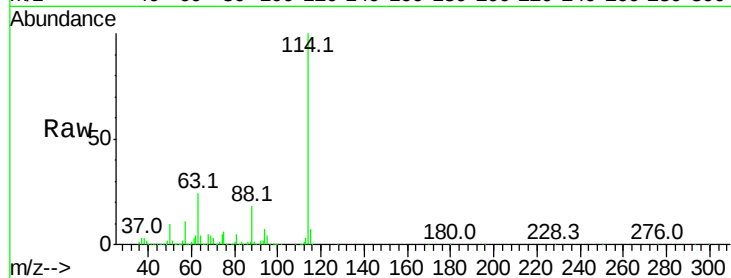
Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

Tgt Ion:114 Resp: 4840967

Ion	Ratio	Lower	Upper
114	100		
63	23.8	19.3	28.9
88	18.1	14.2	21.4



#34

2-Butanone

Concen: 0.393 ppbv

RT: 5.24 min Scan# 764

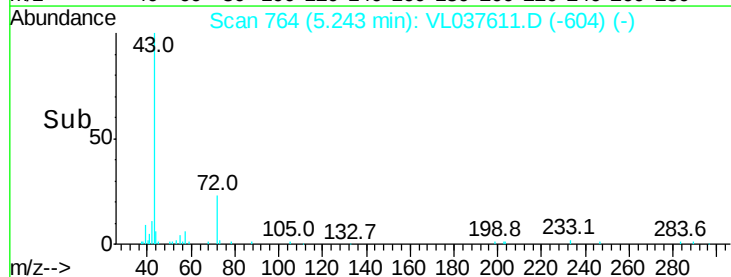
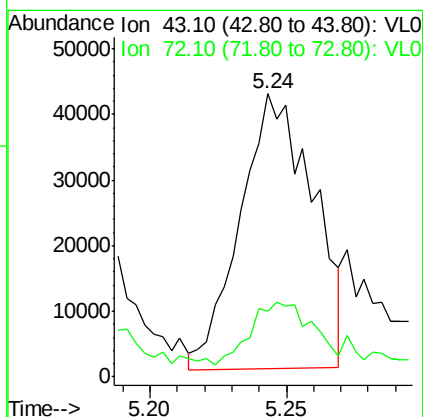
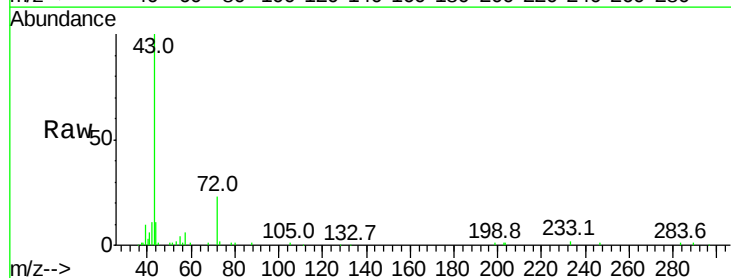
Delta R.T. 0.02 min

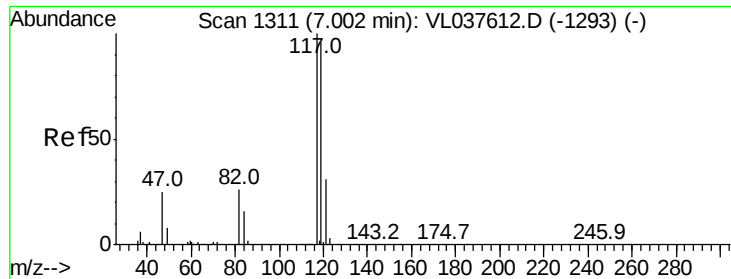
Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Tgt Ion: 43 Resp: 77775

Ion	Ratio	Lower	Upper
43	100		
72	36.8	17.4	26.0#





#35

Carbon Tetrachloride

Concen: 0.419 ppbv

RT: 7.00 min Scan# 1310

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

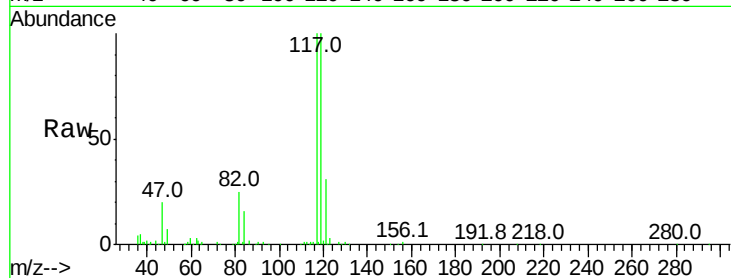
Tgt Ion: 117 Resp: 119908

Ion Ratio Lower Upper

117 100

119 99.1 77.3 115.9

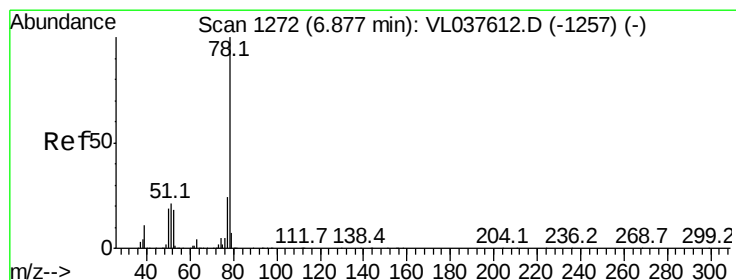
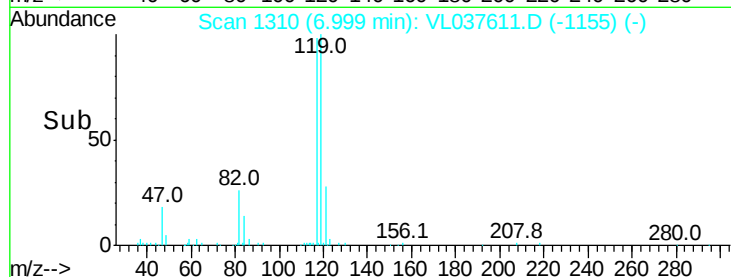
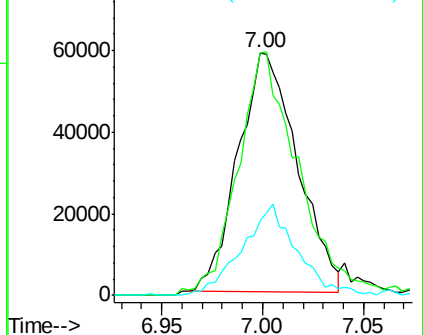
121 30.4 25.2 37.8



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: 0.437 ppbv

RT: 6.88 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

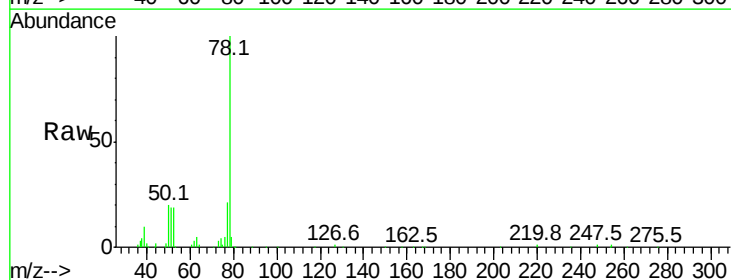
Tgt Ion: 78 Resp: 177970

Ion Ratio Lower Upper

78 100

77 20.5 18.2 27.4

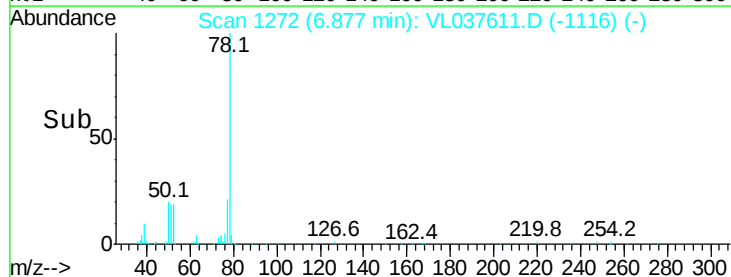
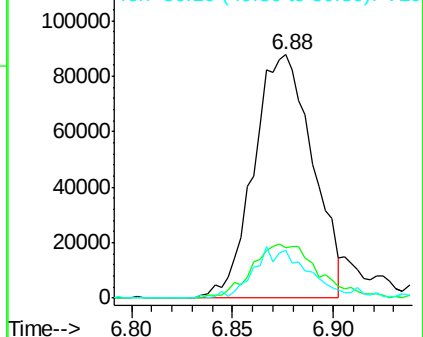
50 19.7 14.6 21.8

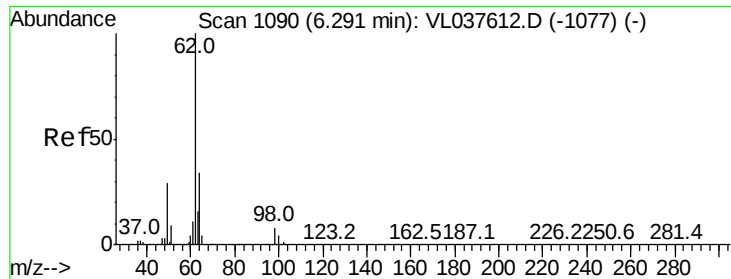


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

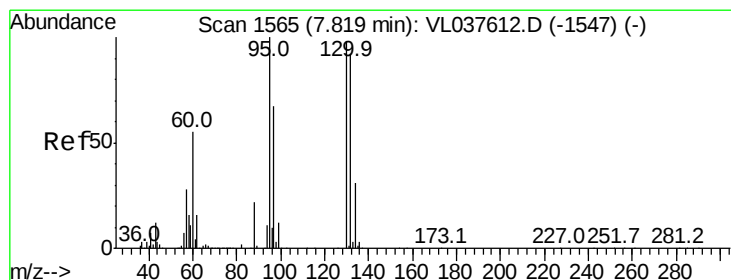
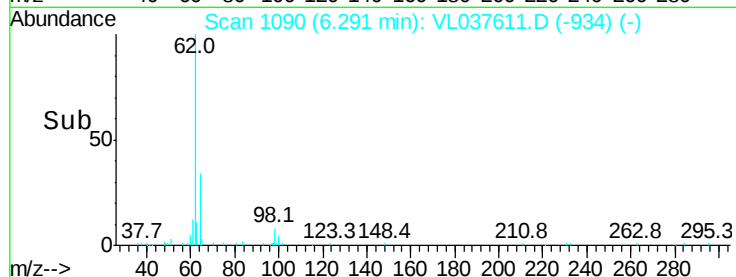
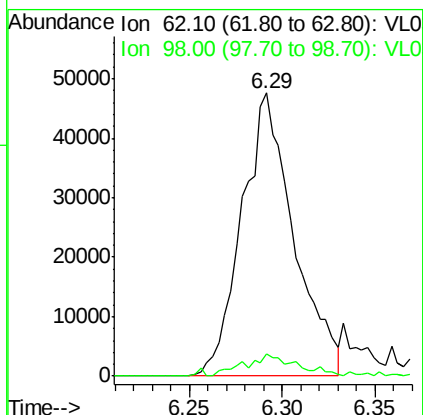
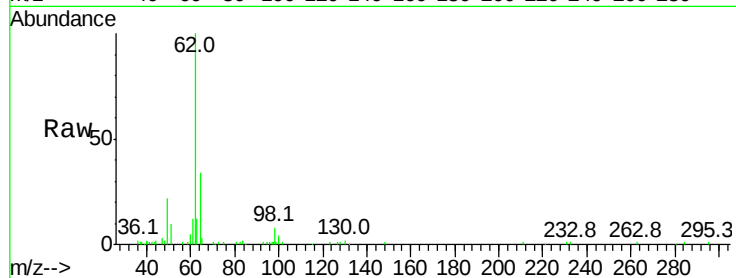




#37
1,2-Dichloroethane
Concen: 0.460 ppbv
RT: 6.29 min Scan# 1090
Delta R.T. 0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

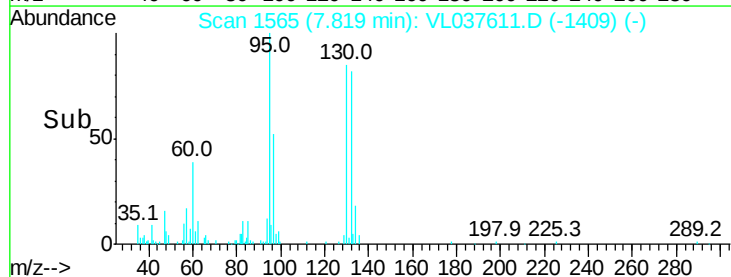
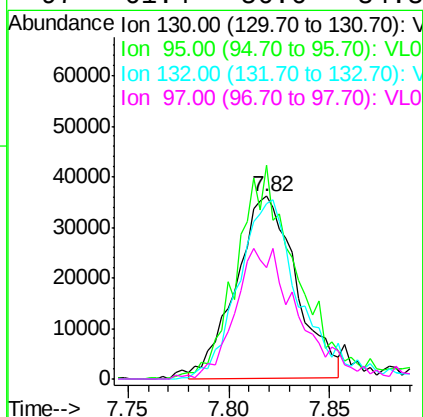
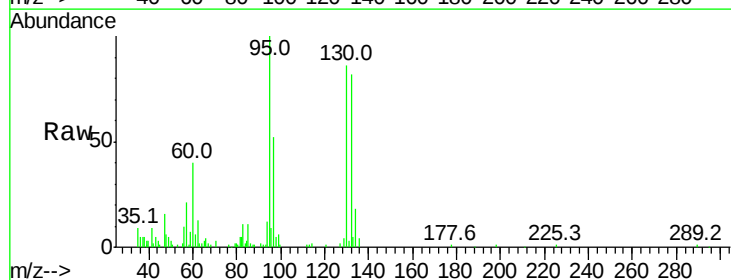
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

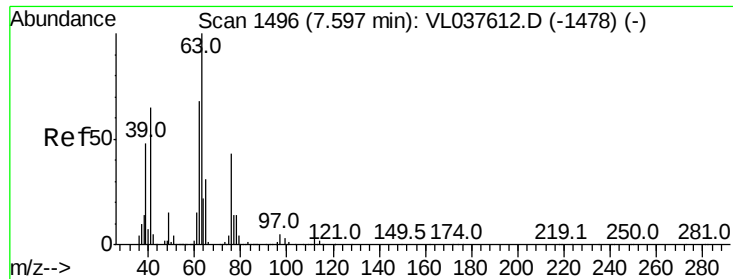
Tgt Ion: 62 Resp: 92700
Ion Ratio Lower Upper
62 100
98 8.5 6.0 9.0



#38
Trichloroethene
Concen: 0.451 ppbv
RT: 7.82 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion: 130 Resp: 75375
Ion Ratio Lower Upper
130 100
95 117.3 89.2 133.8
132 98.8 74.0 111.0
97 61.4 56.6 84.8





#39

1,2-Dichloropropane

Concen: 0.463 ppbv

RT: 7.60 min Scan# 1496

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

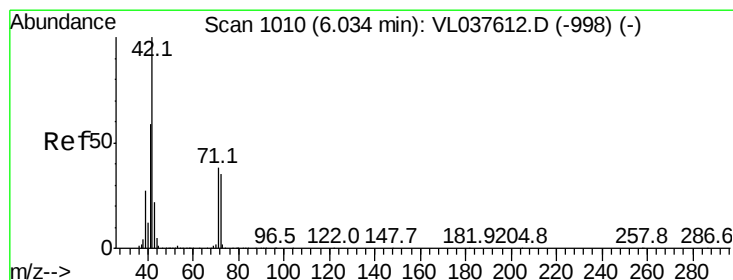
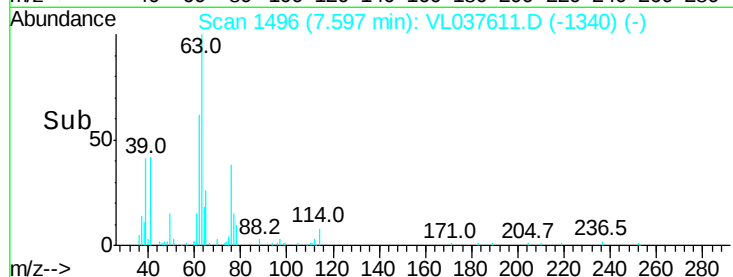
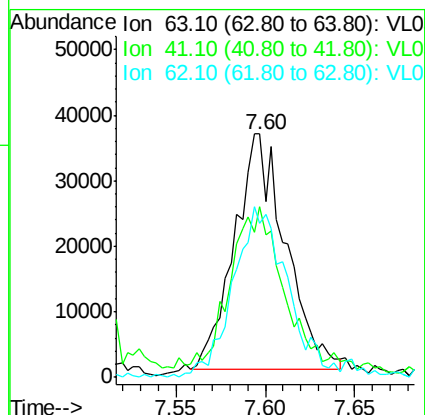
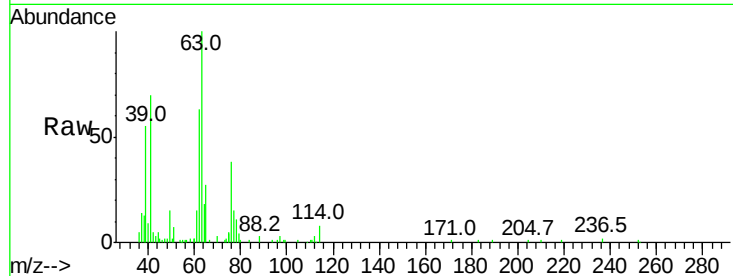
Tgt Ion: 63 Resp: 72458

Ion Ratio Lower Upper

63 100

41 66.9 52.4 78.6

62 63.2 53.6 80.4



#41

Tetrahydrofuran

Concen: 0.032 ppbv

RT: 6.04 min Scan# 1013

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

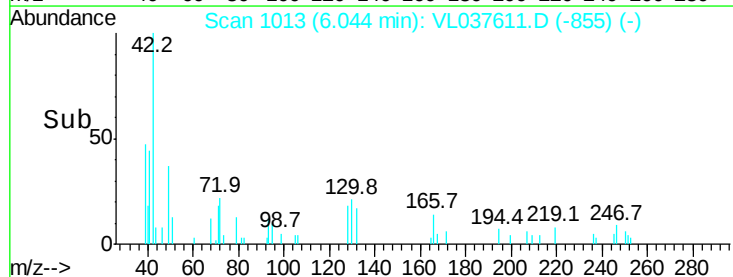
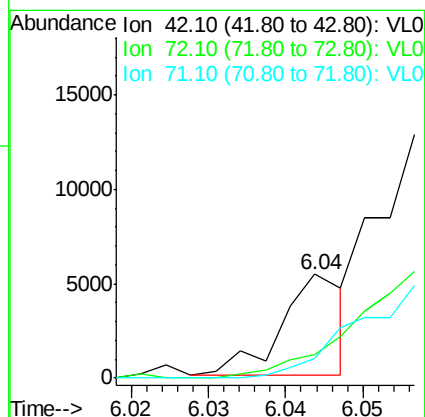
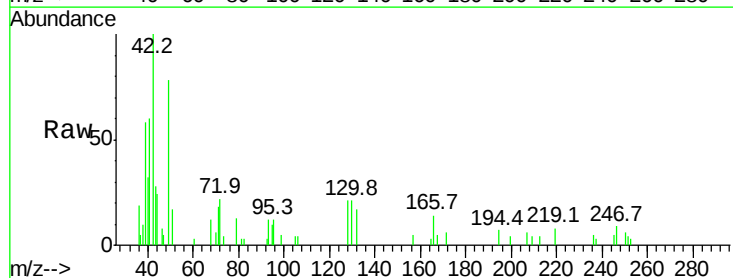
Tgt Ion: 42 Resp: 3056

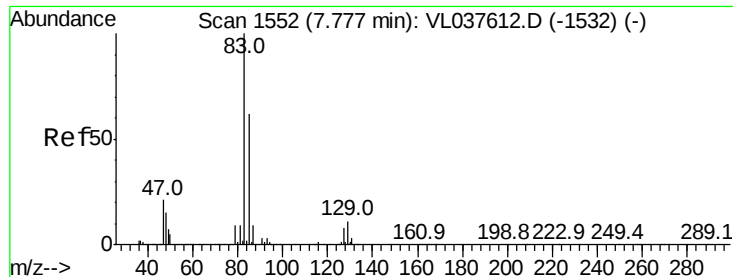
Ion Ratio Lower Upper

42 100

72 0.0 32.2 48.4#

71 0.0 30.5 45.7#





#42

Bromodichloromethane

Concen: 0.345 ppbv

RT: 7.78 min Scan# 1552

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

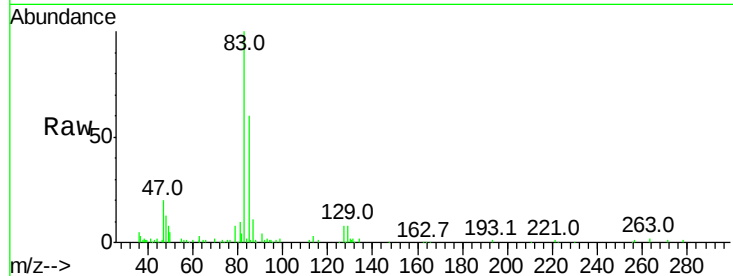
Tgt Ion: 83 Resp: 101733

Ion Ratio Lower Upper

83 100

85 60.0 49.5 74.3

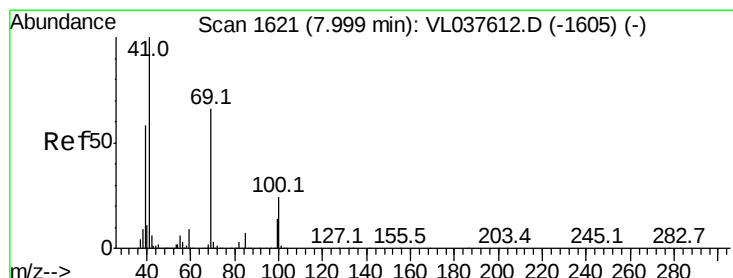
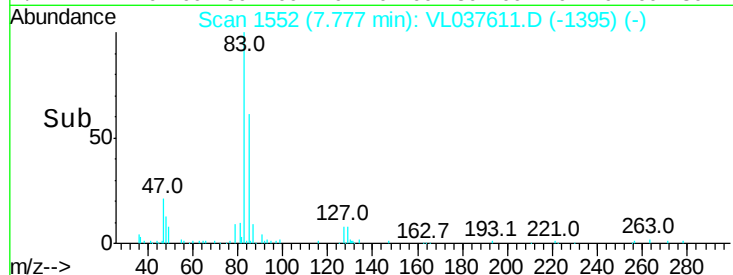
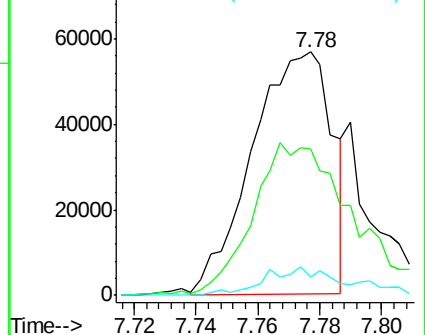
127 7.7 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0

Ion 126.90 (126.60 to 127.60): VL0



#43

Methyl Methacrylate

Concen: 0.358 ppbv

RT: 8.00 min Scan# 1622

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

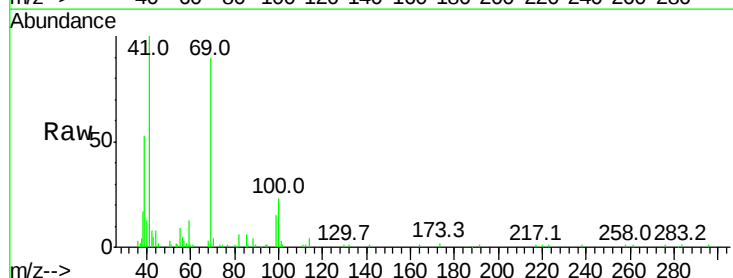
Tgt Ion: 69 Resp: 50825

Ion Ratio Lower Upper

69 100

41 162.8 118.6 178.0

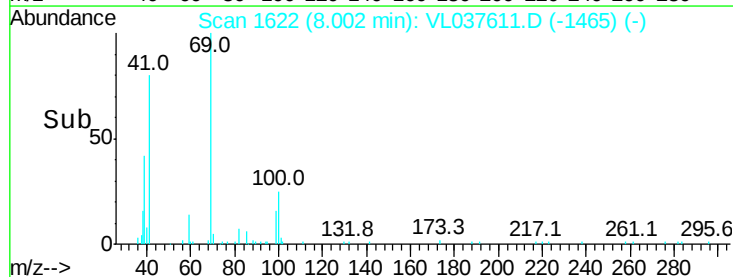
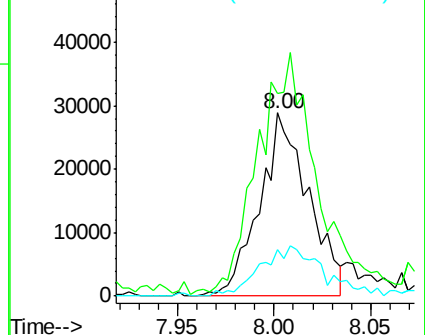
100 34.9 27.4 41.0

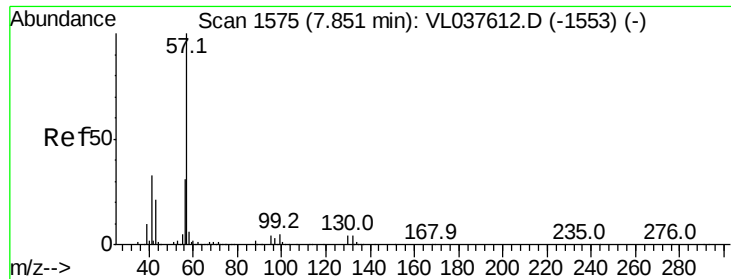


Abundance Ion 69.10 (68.80 to 69.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 100.10 (99.80 to 100.80): VL0

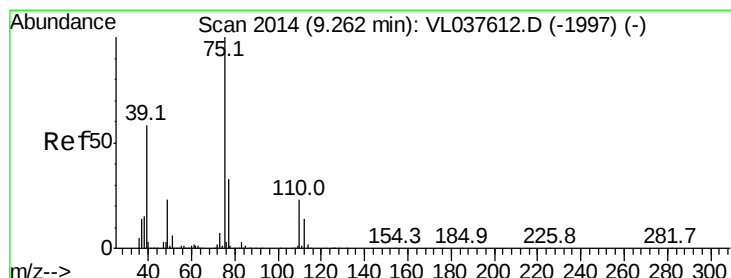
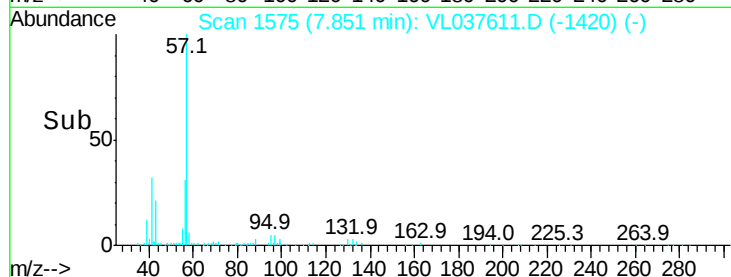
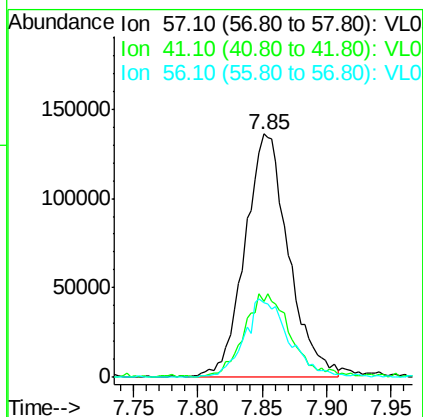
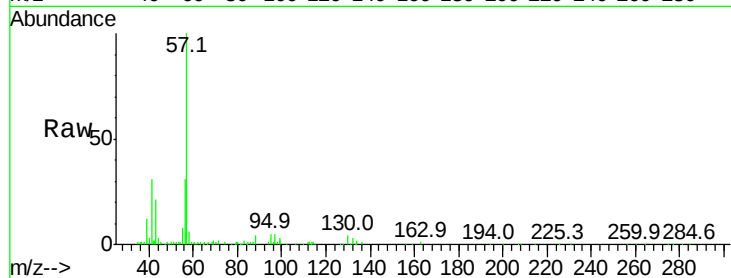




#44
 2,2,4-Trimethylpentane
 Concen: 0.468 ppbv
 RT: 7.85 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

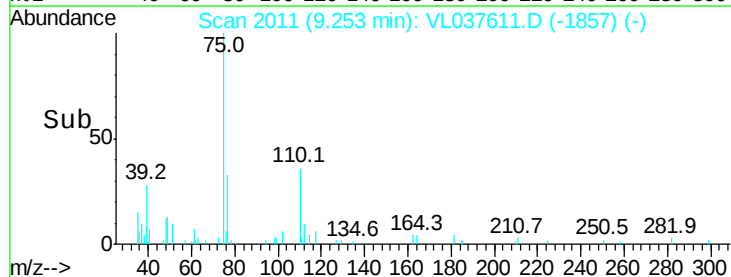
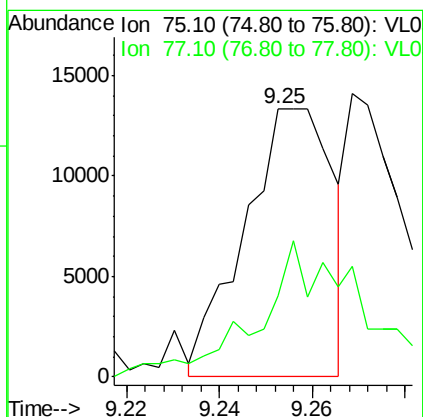
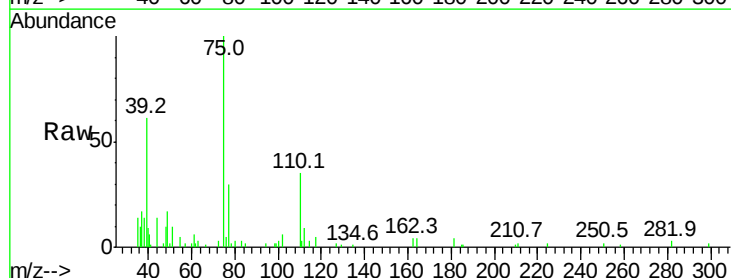
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

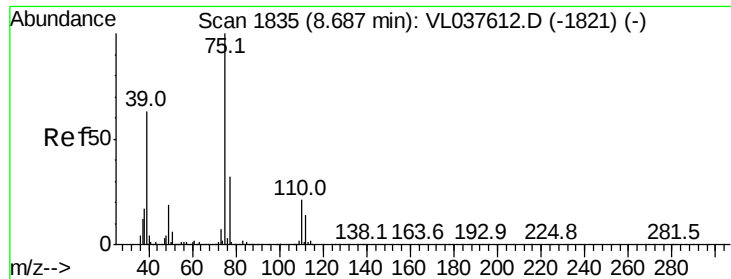
Tgt Ion	Ratio	Lower	Upper
57	100		
41	35.7	26.2	39.4
56	33.5	25.4	38.2



#45
 t-1,3-Dichloropropene
 Concen: 0.165 ppbv
 RT: 9.25 min Scan# 2011
 Delta R.T. -0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.4	24.5	36.7

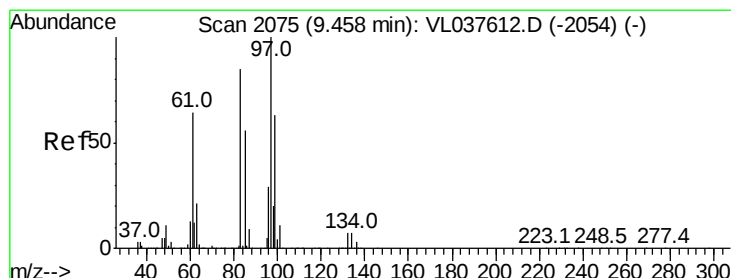
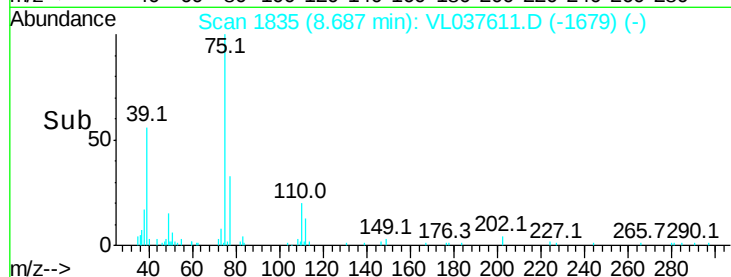
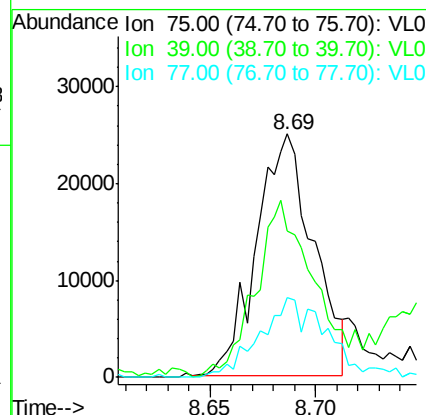
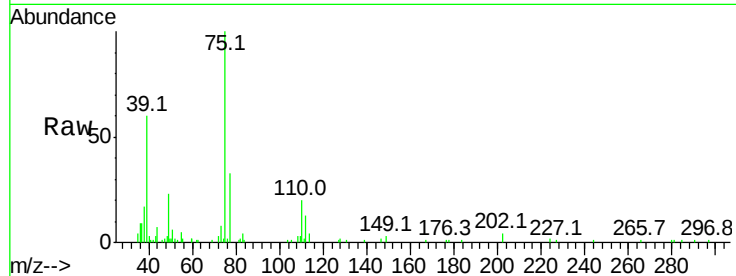




#46
 cis-1,3-Dichloropropene
 Concen: 0.312 ppbv
 RT: 8.69 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

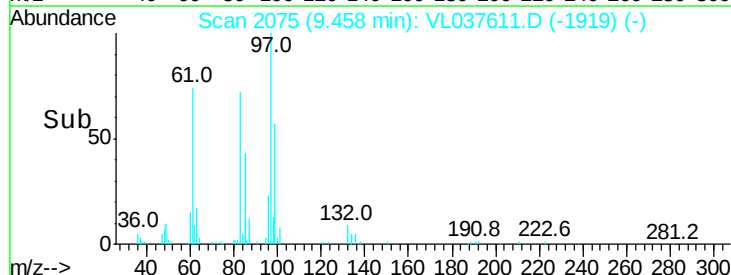
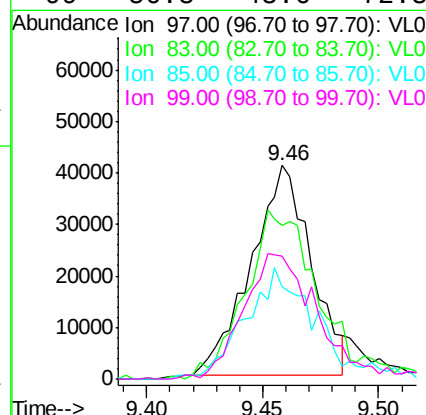
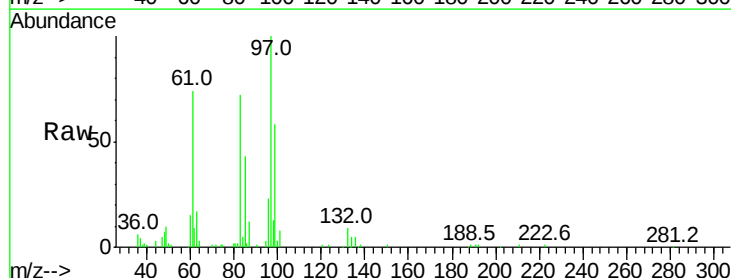
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

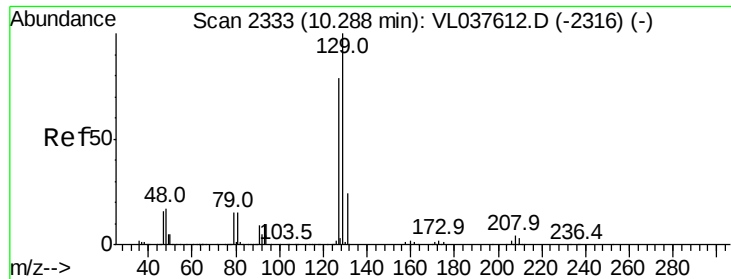
Tgt Ion:	75	Resp:	46407
Ion	Ratio	Lower	Upper
75	100		
39	60.4	49.7	74.5
77	32.9	25.4	38.0



#47
 1,1,2-Trichloroethane
 Concen: 0.435 ppbv
 RT: 9.46 min Scan# 2075
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Tgt Ion:	97	Resp:	73453
Ion	Ratio	Lower	Upper
97	100		
83	71.8	68.7	103.1
85	42.0	44.7	67.1#
99	56.8	48.6	72.8





#48

Dibromochloromethane

Concen: 0.359 ppbv

RT: 10.29 min Scan# 2333

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

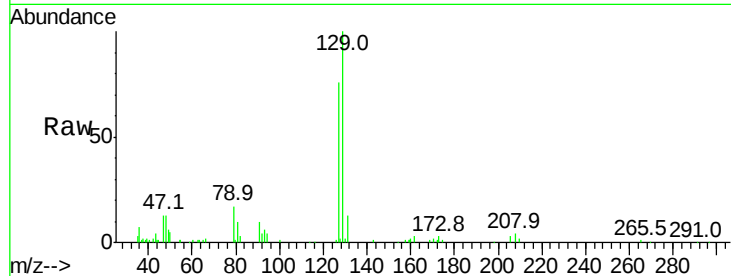
VSTDIC0.5

Tgt Ion:129 Resp: 87239

Ion Ratio Lower Upper

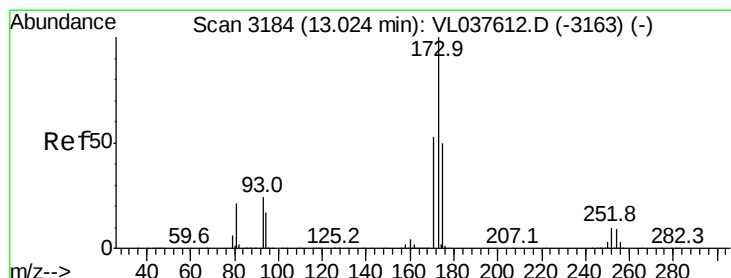
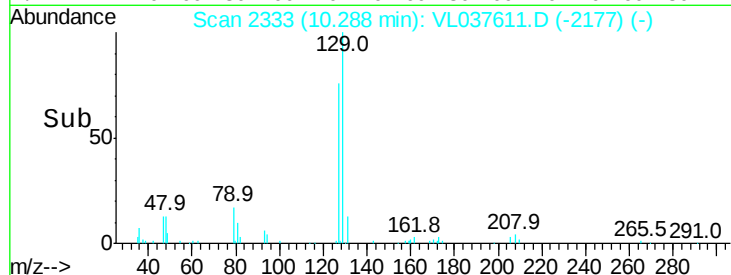
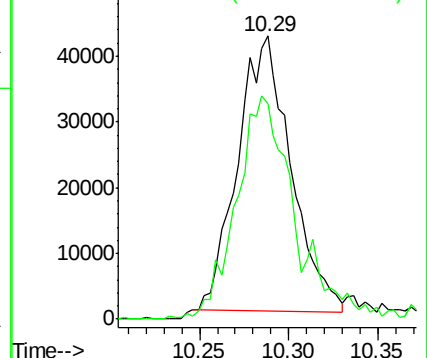
129 100

127 90.9 40.0 120.0



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#49

Bromoform

Concen: 0.285 ppbv

RT: 13.02 min Scan# 3184

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

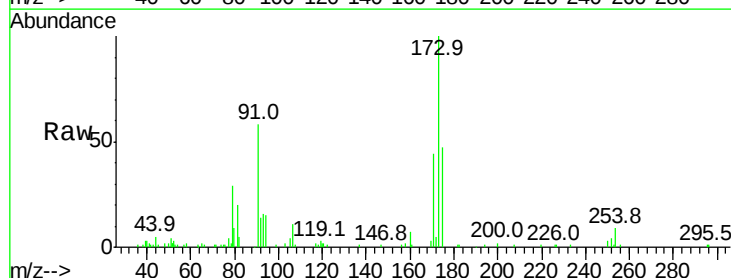
Tgt Ion:173 Resp: 54714

Ion Ratio Lower Upper

173 100

175 60.4 41.9 62.9

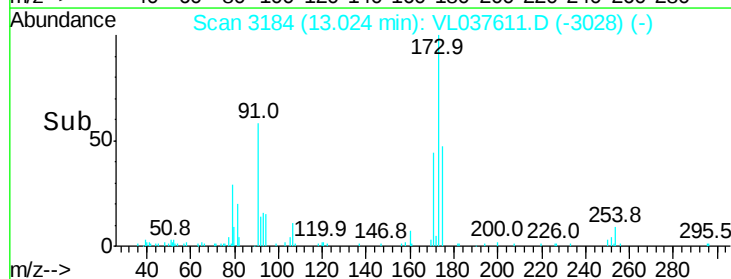
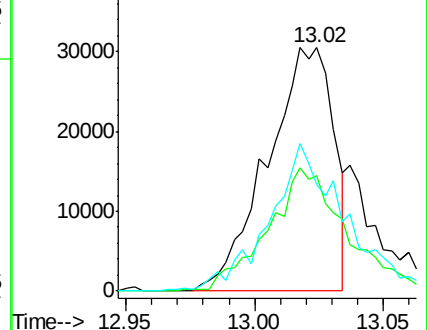
171 69.6 44.2 66.4#

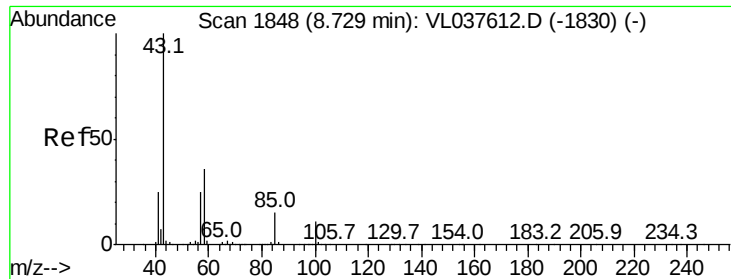


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 170.90 (170.60 to 171.60): V

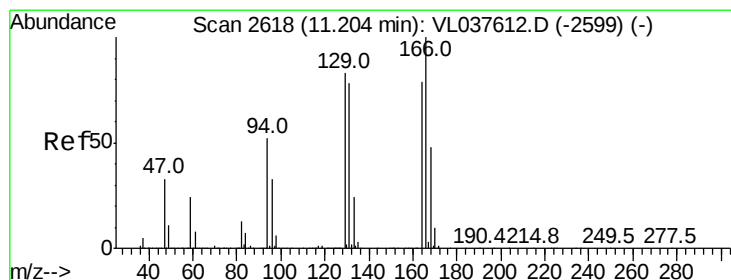
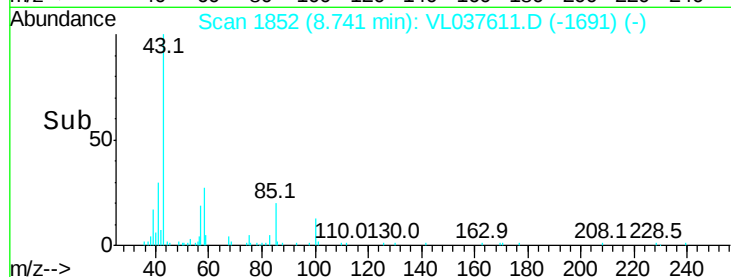
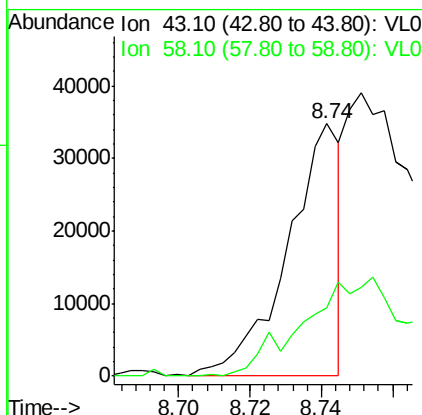
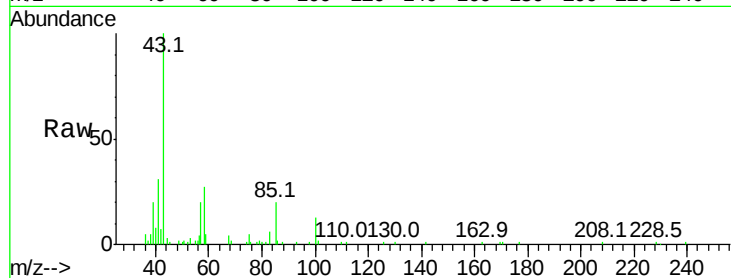




#50
 4-Methyl-2-Pentanone
 Concen: 0.138 ppbv
 RT: 8.74 min Scan# 1852
 Delta R.T. 0.02 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

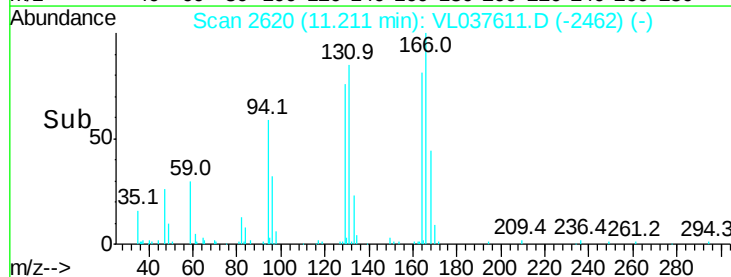
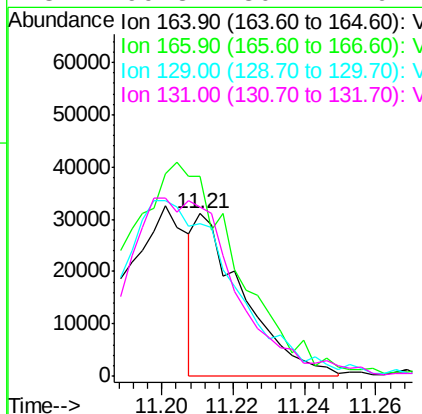
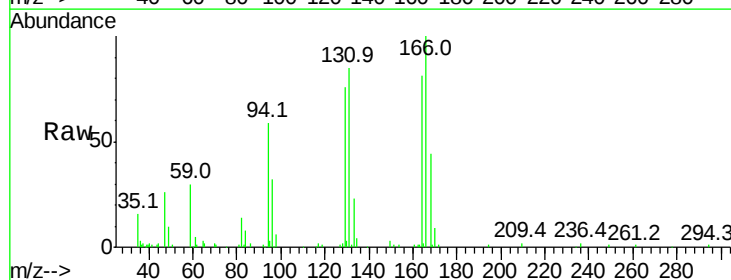
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

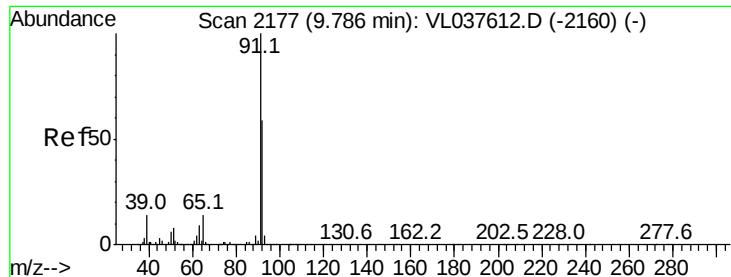
Tgt Ion: 43 Resp: 35638
 Ion Ratio Lower Upper
 43 100
 58 0.0 29.9 44.9#



#52
 Tetrachloroethene
 Concen: 0.173 ppbv
 RT: 11.21 min Scan# 2620
 Delta R.T. 0.01 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Tgt Ion: 164 Resp: 28898
 Ion Ratio Lower Upper
 164 100
 166 119.8 100.7 151.1
 129 90.8 80.9 121.3
 131 99.3 80.2 120.4





#53

Toluene

Concen: 0.384 ppbv

RT: 9.79 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

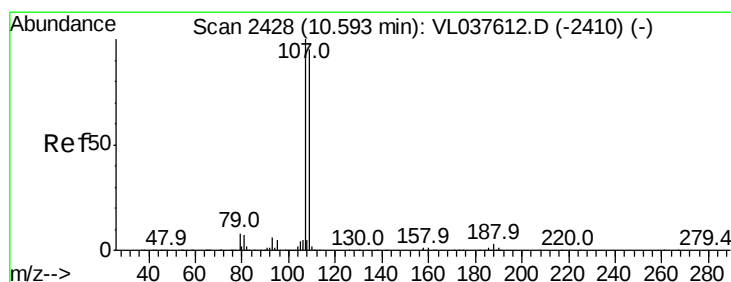
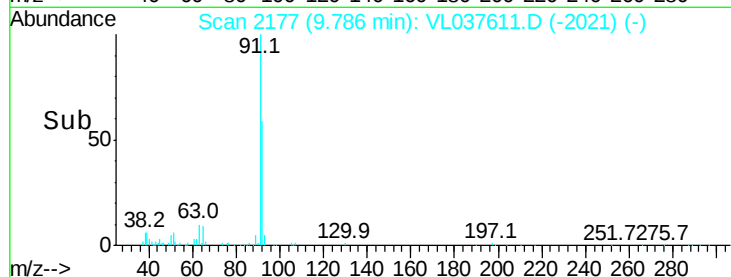
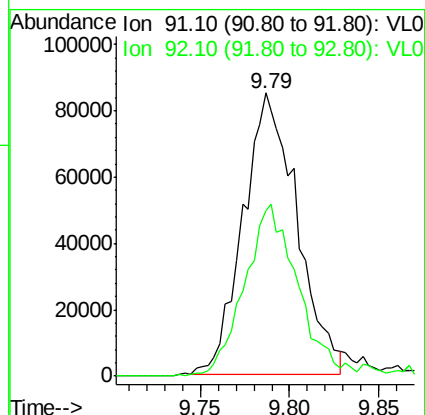
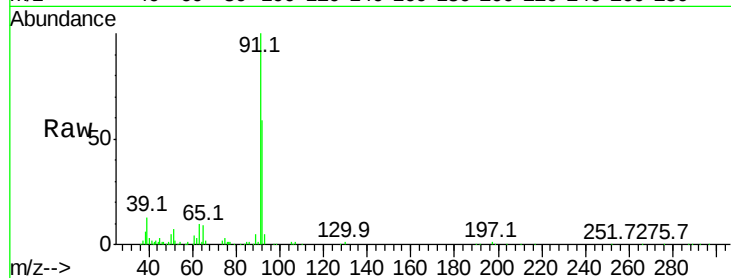
VSTDIC0.5

Tgt Ion: 91 Resp: 178548

Ion Ratio Lower Upper

91 100

92 61.9 48.8 73.2



#54

1,2-Dibromoethane

Concen: 0.445 ppbv

RT: 10.59 min Scan# 2427

Delta R.T. 0.00 min

Lab File: VL037611.D

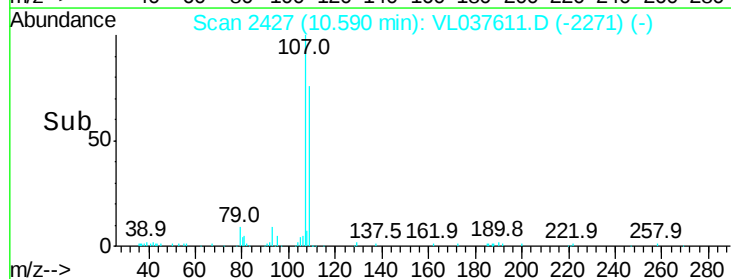
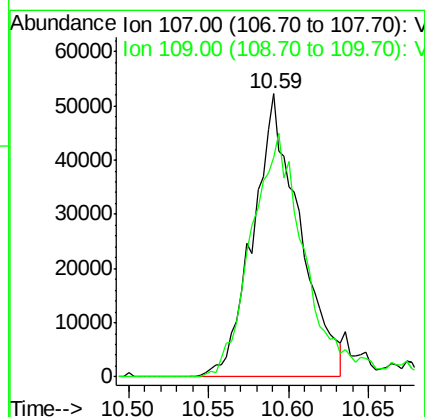
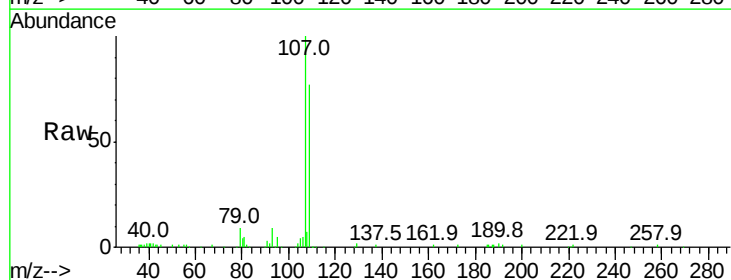
Acq: 16 Sep 2021 9:24

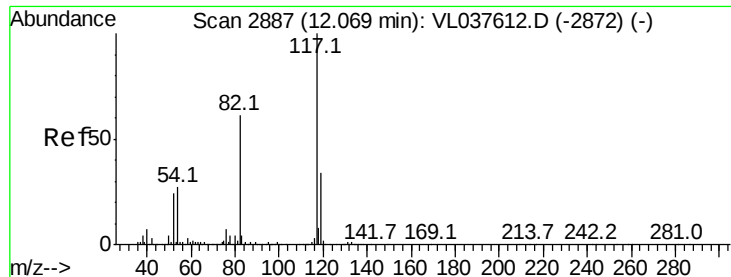
Tgt Ion: 107 Resp: 104879

Ion Ratio Lower Upper

107 100

109 77.3 74.2 111.4

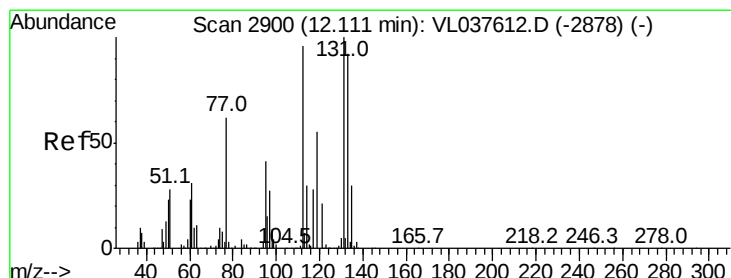
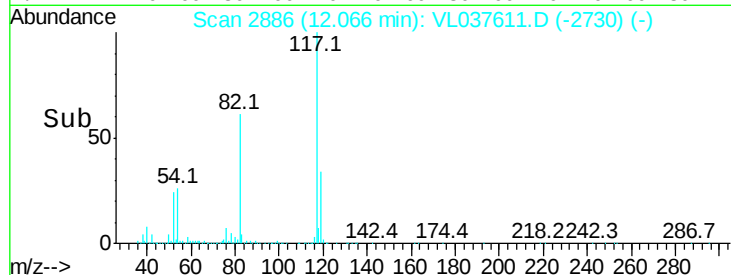
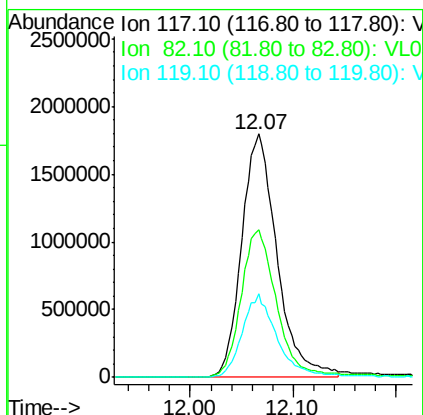
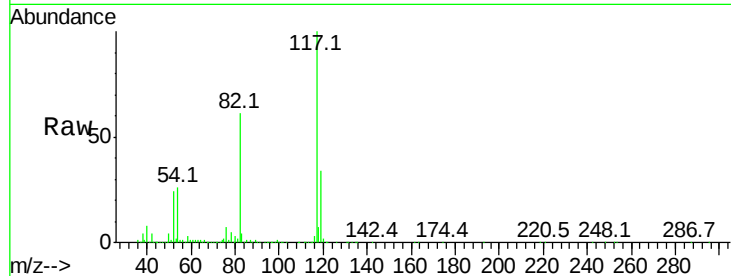




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. 0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

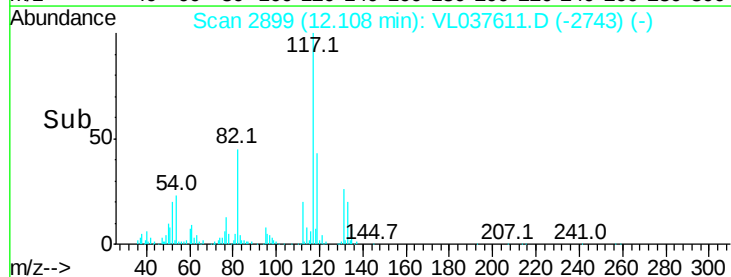
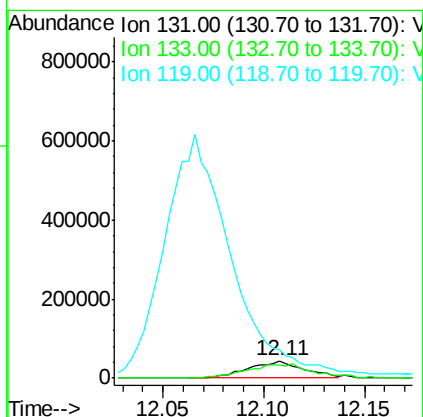
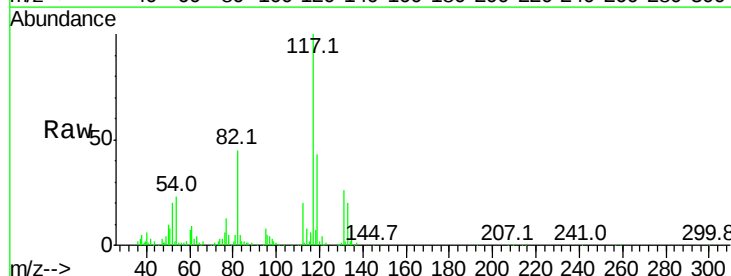
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

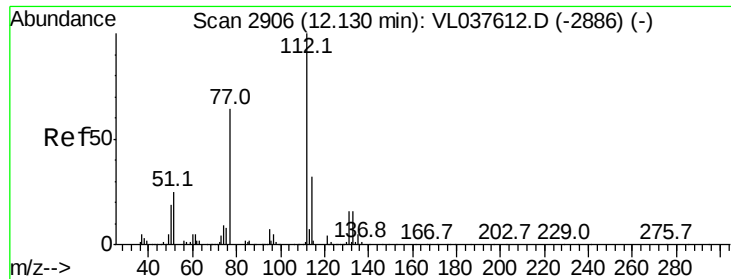
Tgt Ion:117 Resp: 4281564
Ion Ratio Lower Upper
117 100
82 62.3 52.9 79.3
119 34.4 24.8 37.2



#56
1,1,1,2-Tetrachloroethane
Concen: 0.466 ppbv
RT: 12.11 min Scan# 2899
Delta R.T. 0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion:131 Resp: 83108
Ion Ratio Lower Upper
131 100
133 100.8 78.7 118.1
119 1774.9 56.6 85.0#





#57

Chlorobenzene

Concen: 0.502 ppbv

RT: 12.12 min Scan# 2904

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

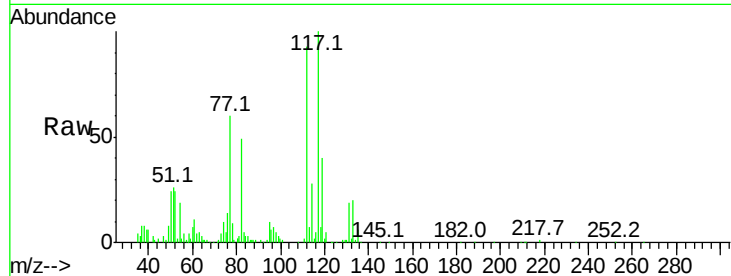
Tgt Ion: 112 Resp: 178421

Ion Ratio Lower Upper

112 100

77 61.2 51.6 77.4

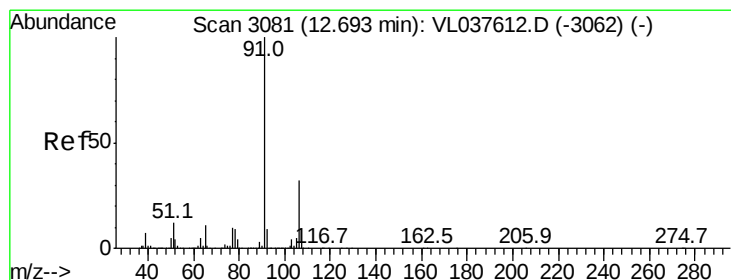
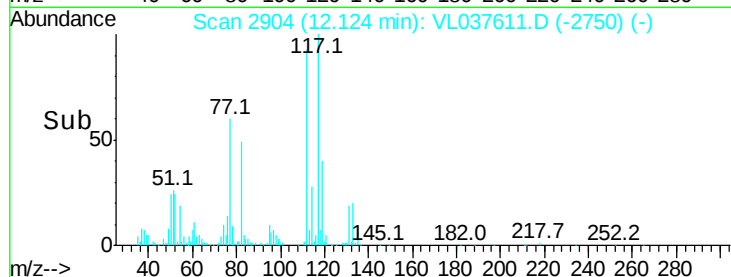
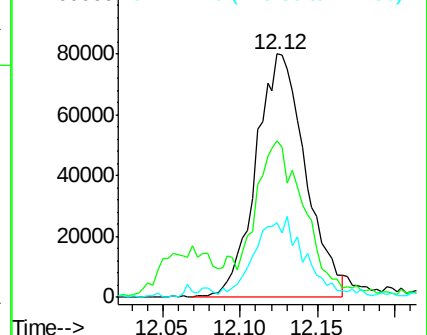
114 28.3 30.7 37.5#



Abundance Ion 112.10 (111.80 to 112.80): V

Ion 77.10 (76.80 to 77.80): VL0

Ion 114.10 (113.80 to 114.80): V



#58

Ethyl Benzene

Concen: 0.410 ppbv

RT: 12.69 min Scan# 3079

Delta R.T. -0.00 min

Lab File: VL037611.D

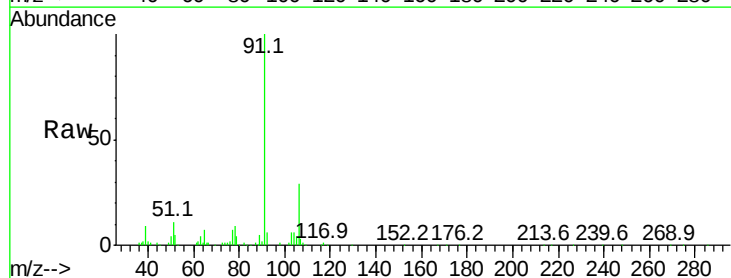
Acq: 16 Sep 2021 9:24

Tgt Ion: 91 Resp: 243497

Ion Ratio Lower Upper

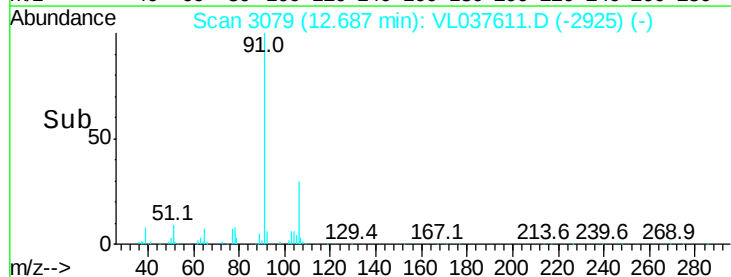
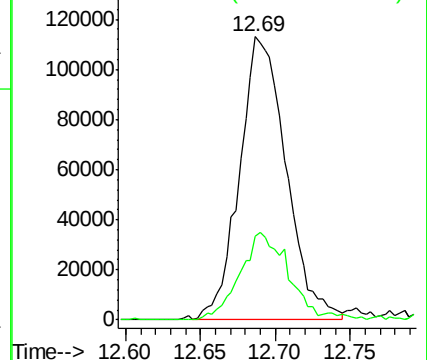
91 100

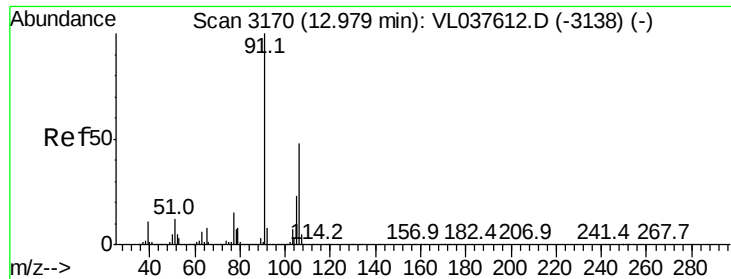
106 29.2 25.7 38.5



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#59

m/p-Xylene

Concen: 0.126 ppbv

RT: 12.98 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

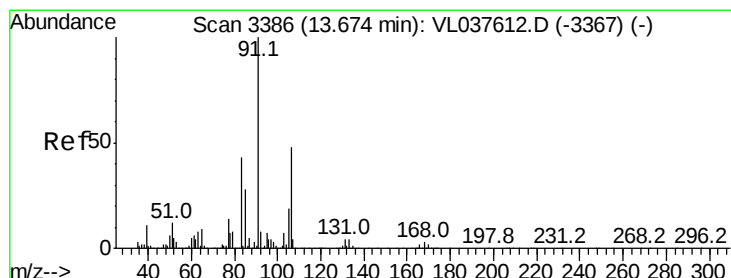
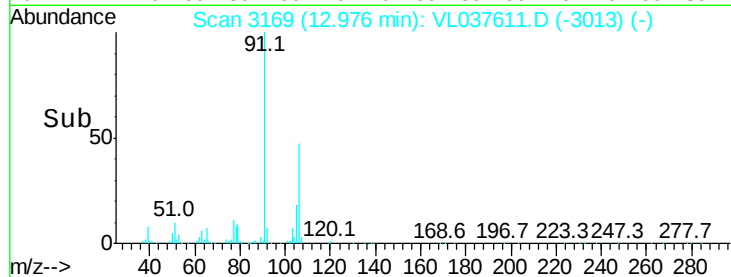
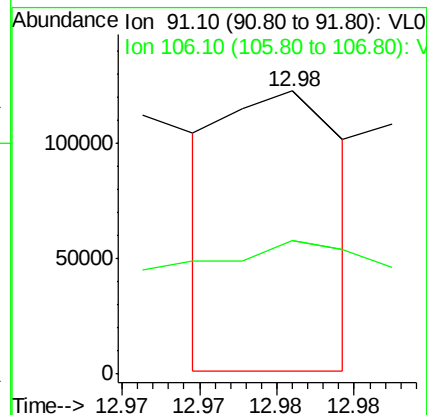
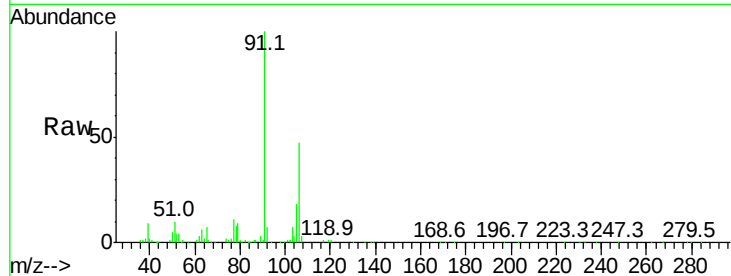
VSTDIC0.5

Tgt Ion: 91 Resp: 64718

Ion Ratio Lower Upper

91 100

106 316.6 36.9 55.3#



#60

o-Xylene

Concen: 0.143 ppbv

RT: 13.68 min Scan# 3388

Delta R.T. 0.01 min

Lab File: VL037611.D

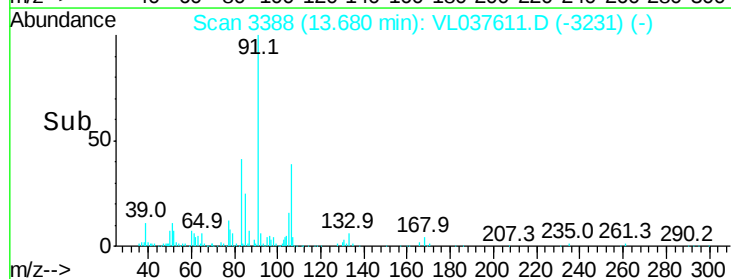
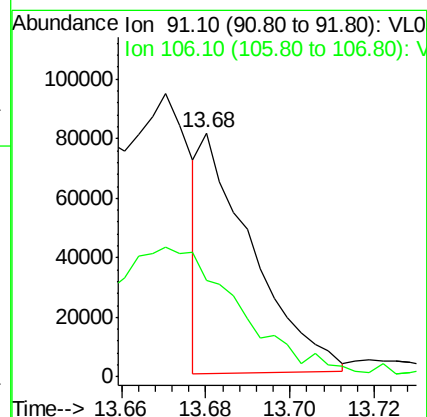
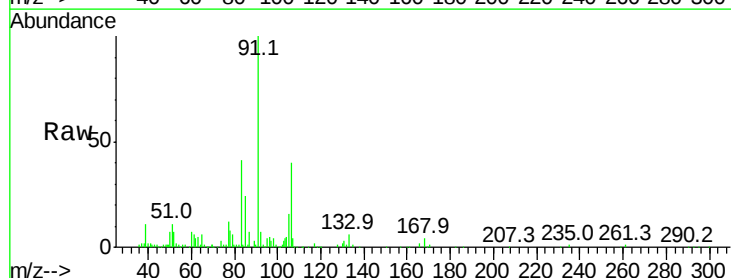
Acq: 16 Sep 2021 9:24

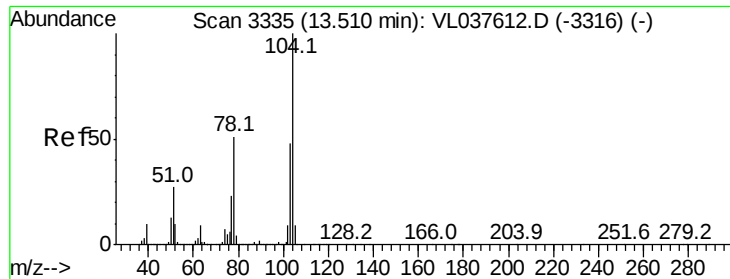
Tgt Ion: 91 Resp: 68805

Ion Ratio Lower Upper

91 100

106 0.0 23.7 71.1#





#61

Styrene

Concen: 0.122 ppbv

RT: 13.51 min Scan# 3336

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

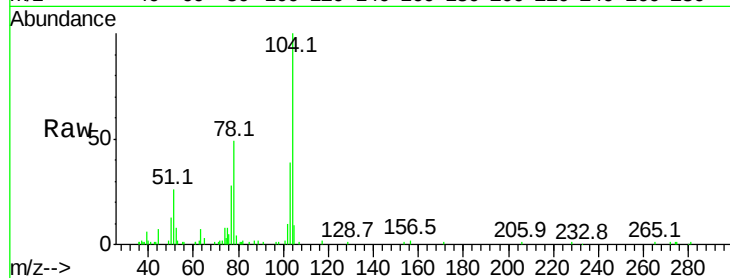
Tgt Ion:104 Resp: 30421

Ion Ratio Lower Upper

104 100

78 151.5 41.3 61.9#

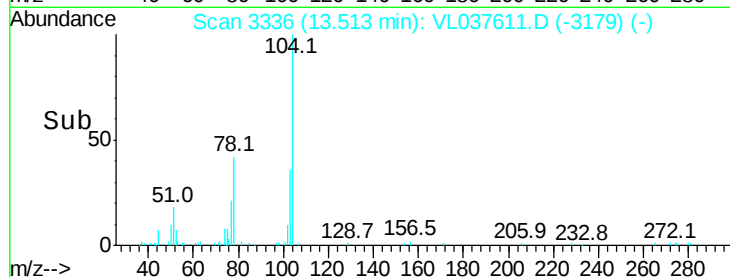
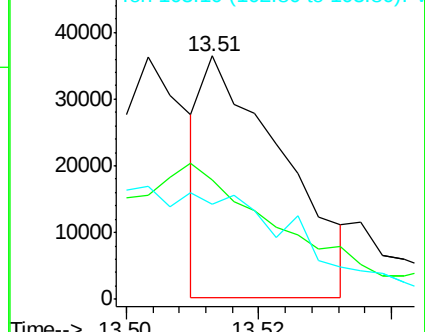
103 0.0 39.4 59.0#



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: 0.470 ppbv

RT: 14.64 min Scan# 3688

Delta R.T. -0.00 min

Lab File: VL037611.D

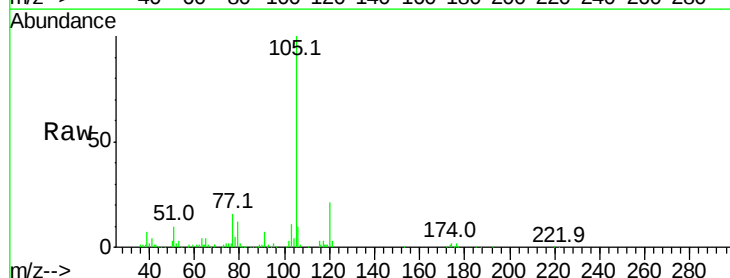
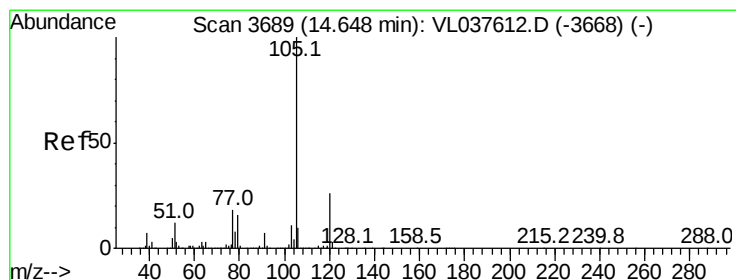
Acq: 16 Sep 2021 9:24

Tgt Ion:105 Resp: 318563

Ion Ratio Lower Upper

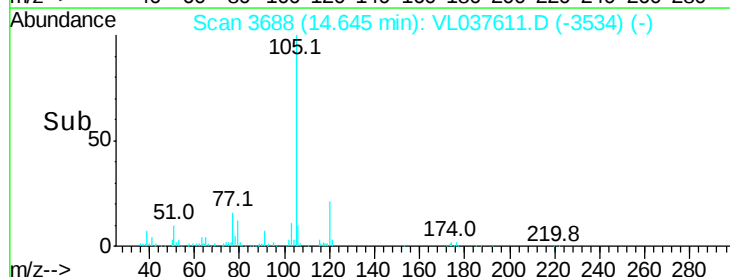
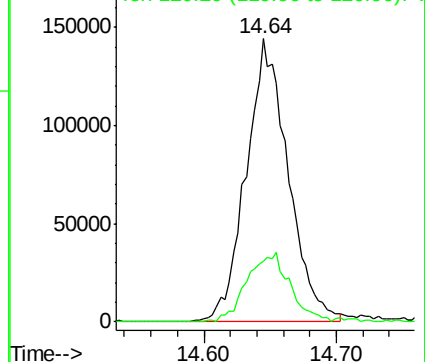
105 100

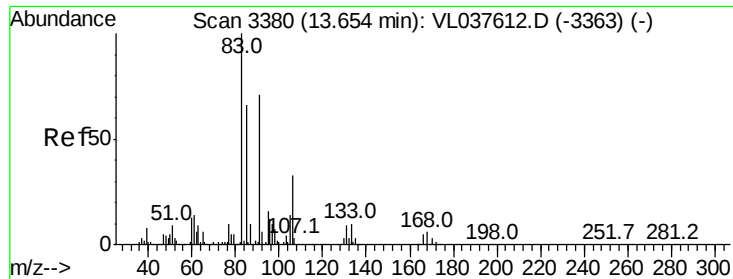
120 25.6 21.5 32.3



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: 0.217 ppbv

RT: 13.66 min Scan# 3382

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

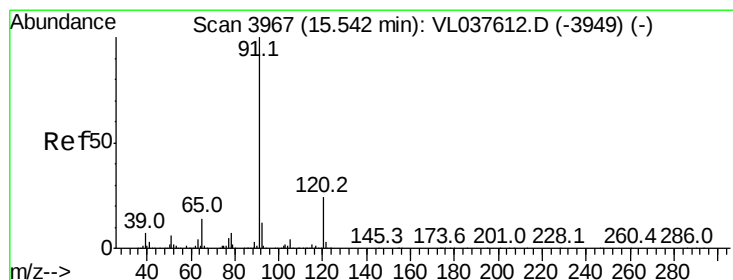
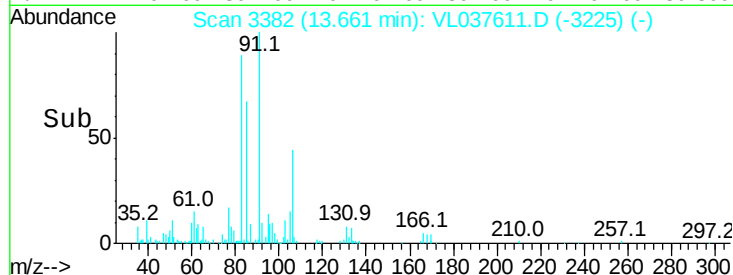
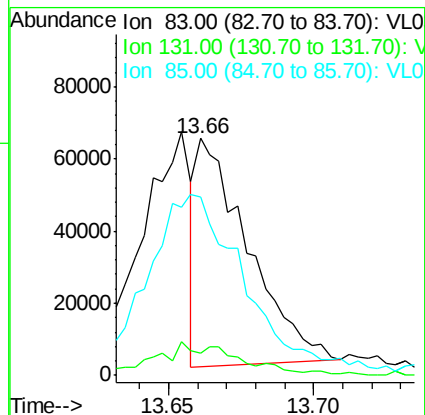
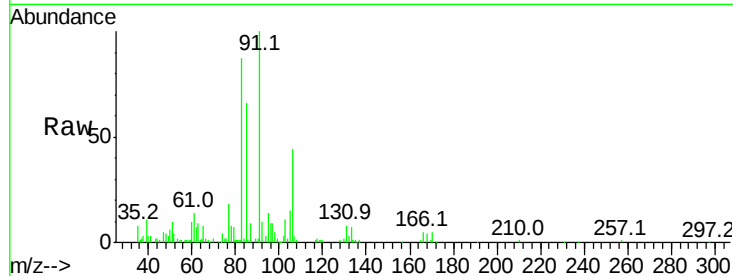
Tgt Ion: 83 Resp: 77682

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 158.5 33.8 101.3#



#64

n-propylbenzene

Concen: 0.426 ppbv

RT: 15.54 min Scan# 3967

Delta R.T. 0.00 min

Lab File: VL037611.D

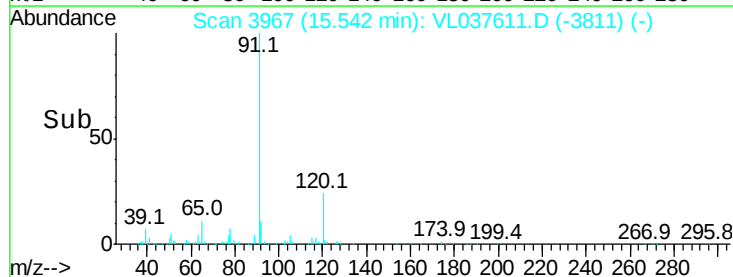
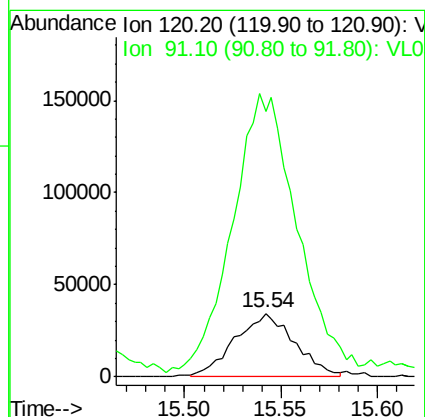
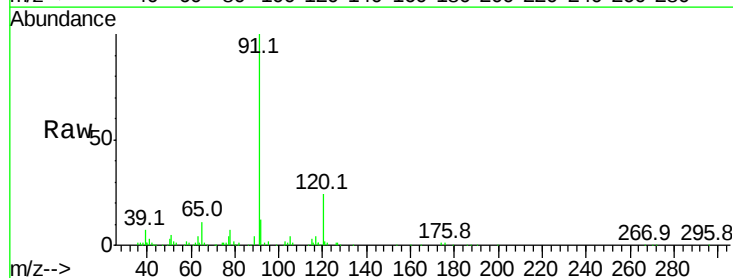
Acq: 16 Sep 2021 9:24

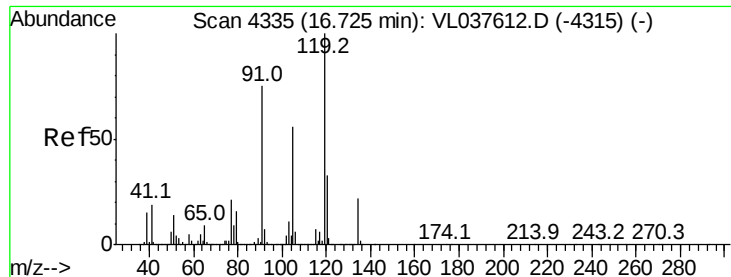
Tgt Ion: 120 Resp: 73612

Ion Ratio Lower Upper

120 100

91 516.5 373.8 560.6

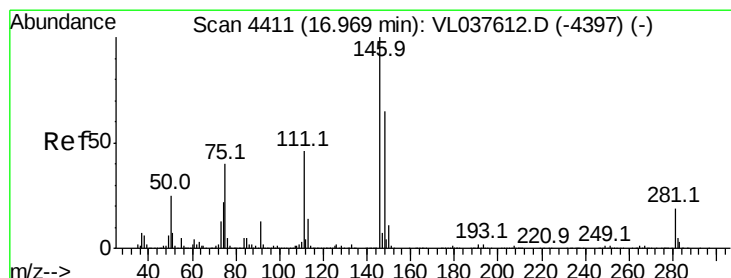
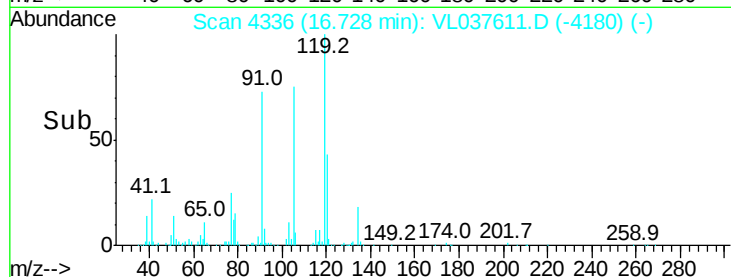
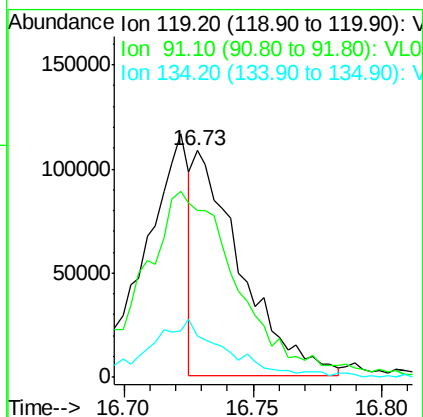
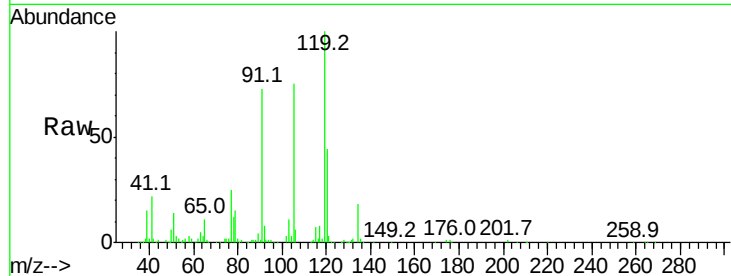




#65
 tert-Butylbenzene
 Concen: 0.223 ppbv
 RT: 16.73 min Scan# 4336
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

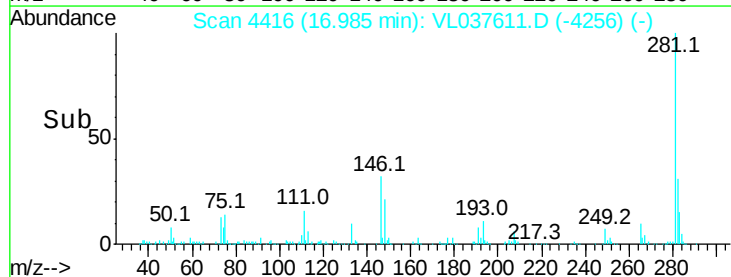
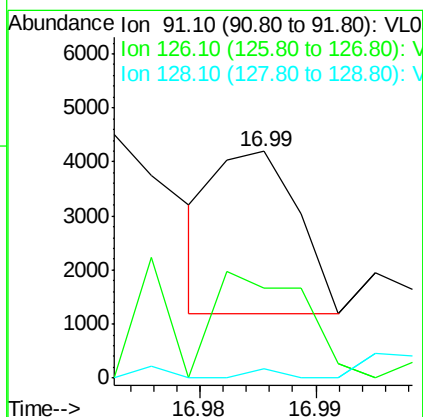
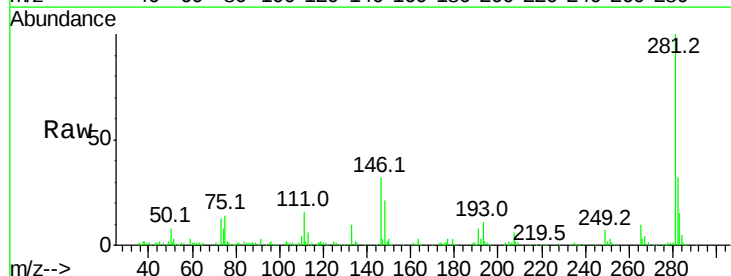
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

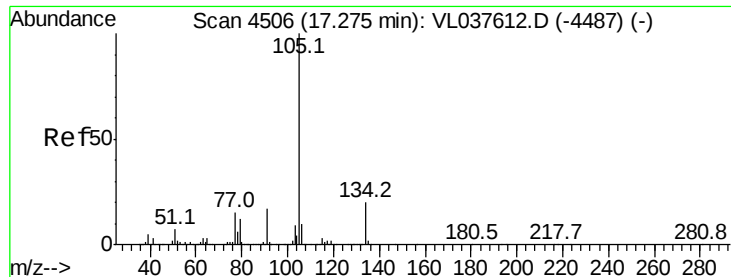
Tgt Ion: 119 Resp: 137991
 Ion Ratio Lower Upper
 119 100
 91 0.0 62.9 94.3#
 134 43.1 16.4 24.6#



#66
 Benzyl Chloride
 Concen: 0.053 ppbv
 RT: 16.99 min Scan# 4416
 Delta R.T. 0.02 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Tgt Ion: 91 Resp: 1484
 Ion Ratio Lower Upper
 91 100
 126 0.0 15.9 23.9#
 128 0.0 5.4 8.0#





#67

sec-Butylbenzene

Concen: 0.441 ppbv

RT: 17.27 min Scan# 4505

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

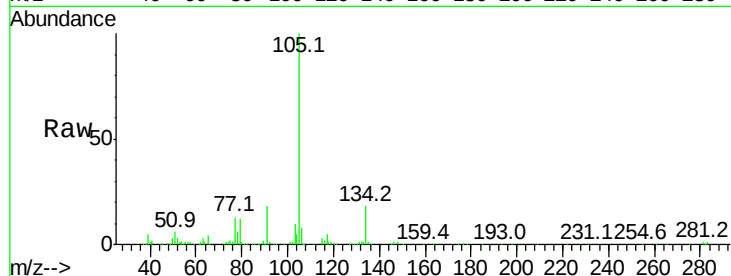
VSTDIC0.5

Tgt Ion: 105 Resp: 380784

Ion Ratio Lower Upper

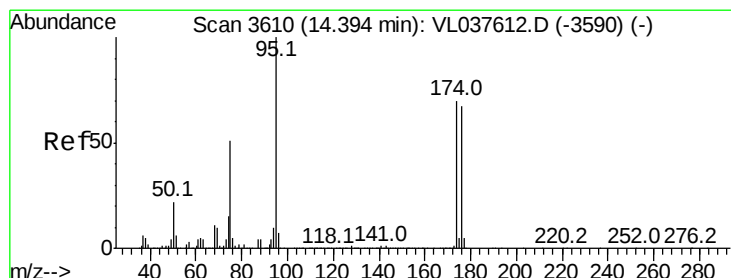
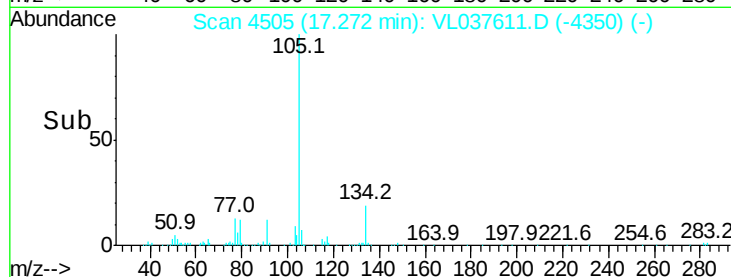
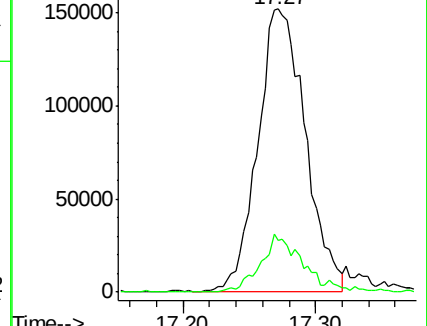
105 100

134 18.9 15.2 22.8



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 134.20 (133.90 to 134.90): V



#68

1-Bromo-4-Fluorobenzene

Concen: 10.069 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

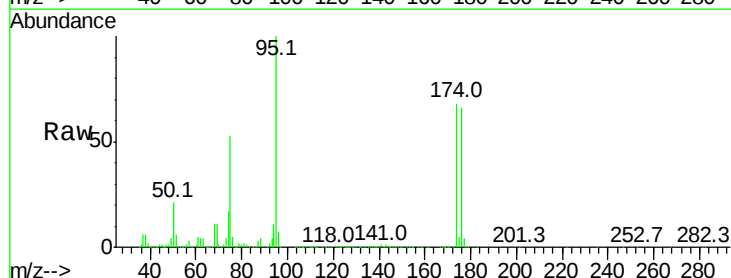
Tgt Ion: 95 Resp: 3062943

Ion Ratio Lower Upper

95 100

174 74.3 59.6 89.4

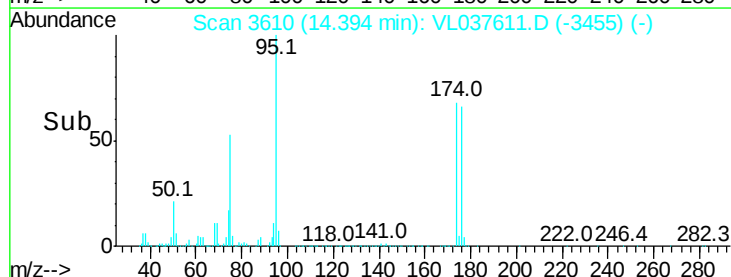
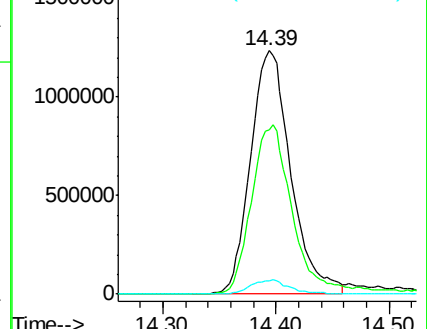
175 5.7 4.6 7.0

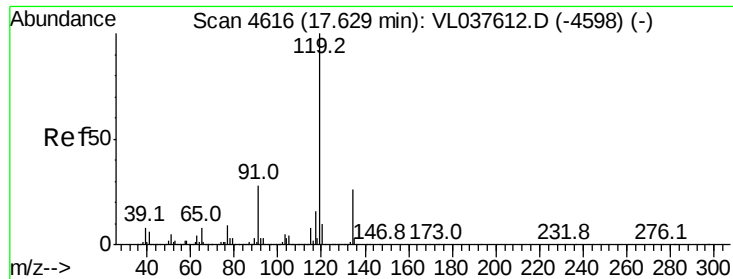


Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

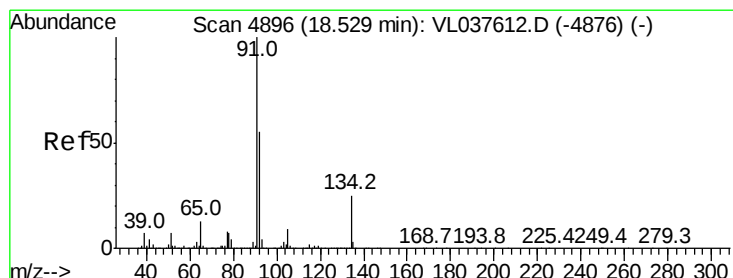
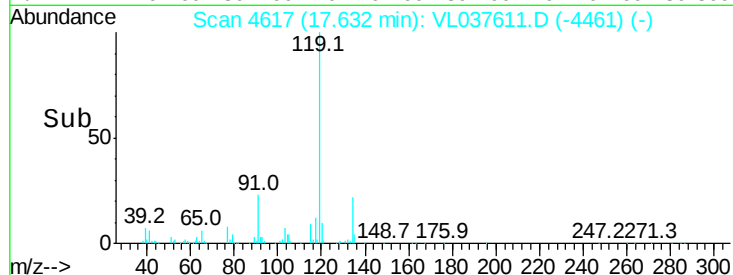
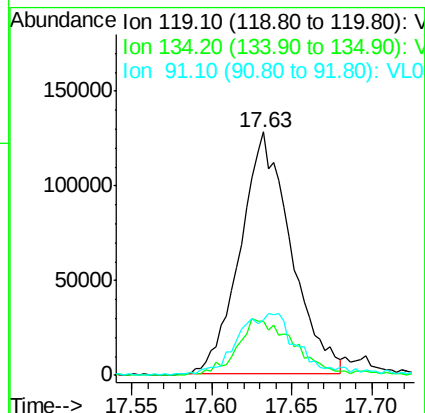
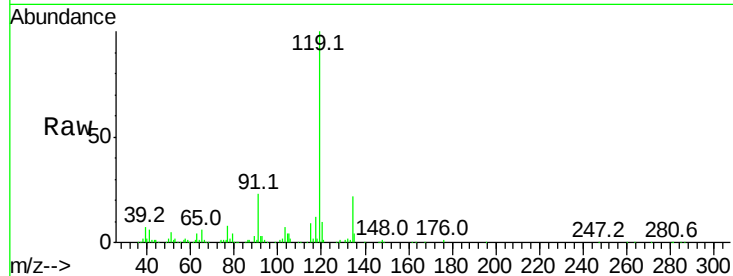




#69
 p-Isopropyltoluene
 Concen: 0.393 ppbv
 RT: 17.63 min Scan# 4617
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

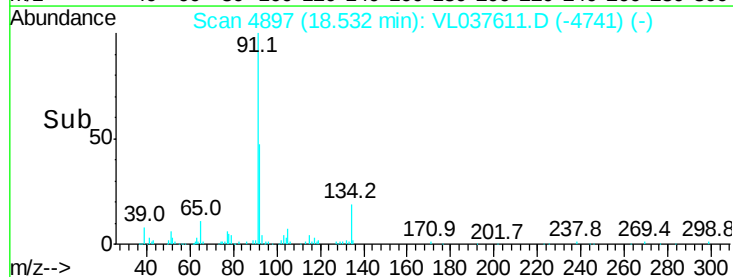
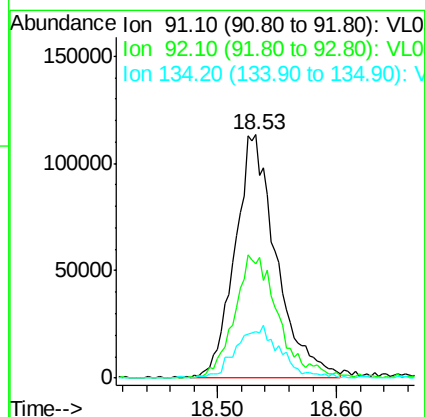
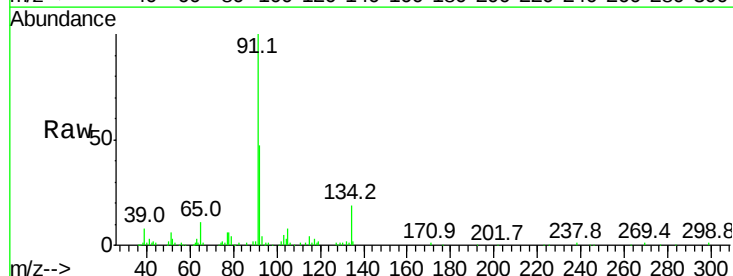
Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDIC0.5

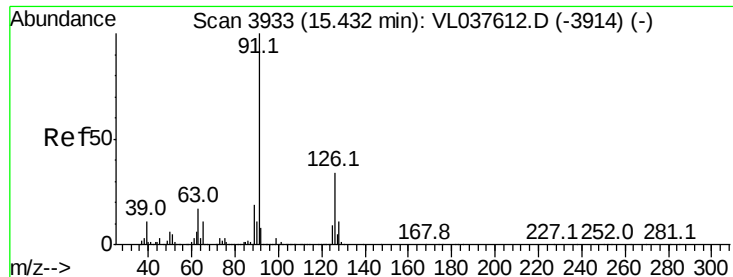
Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.2	21.1	31.7
91	31.6	22.4	33.6



#70
 n-Butylbenzene
 Concen: 0.409 ppbv
 RT: 18.53 min Scan# 4897
 Delta R.T. 0.00 min
 Lab File: VL037611.D
 Acq: 16 Sep 2021 9:24

Tgt Ion	Ratio	Lower	Upper
91	100		
92	53.6	44.0	66.0
134	22.9	19.5	29.3

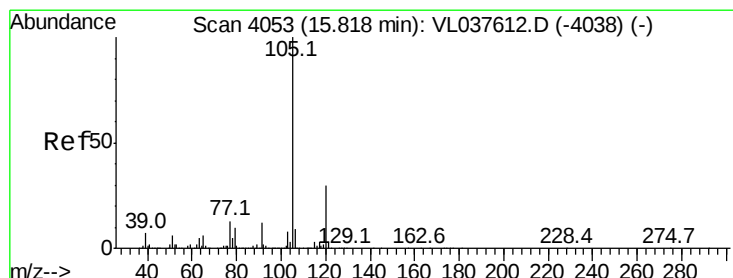
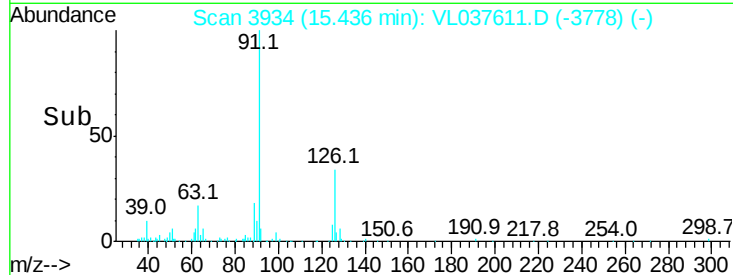
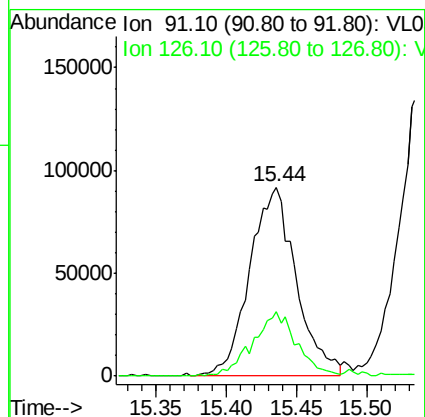
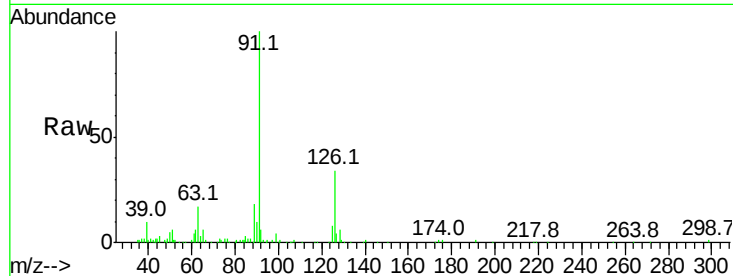




#71
2-Chlorotoluene
Concen: 0.421 ppbv
RT: 15.44 min Scan# 3934
Delta R.T. 0.00 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

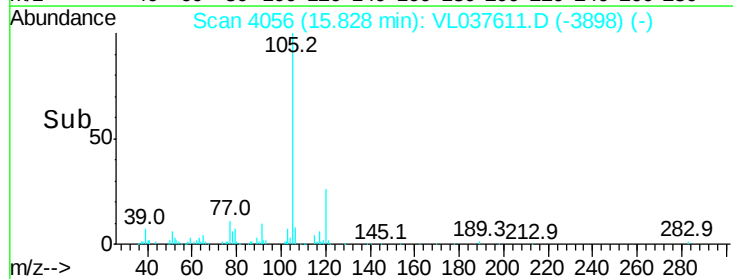
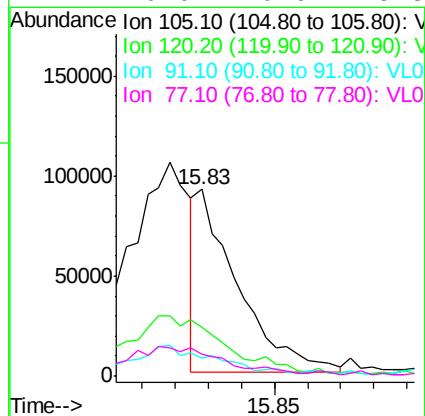
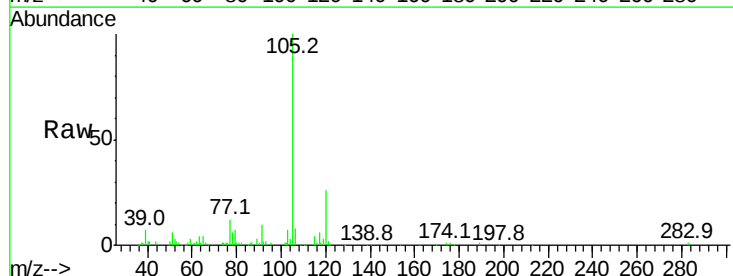
Instrument :
MSVOA_L
ClientSampleId :
VSTDIC0.5

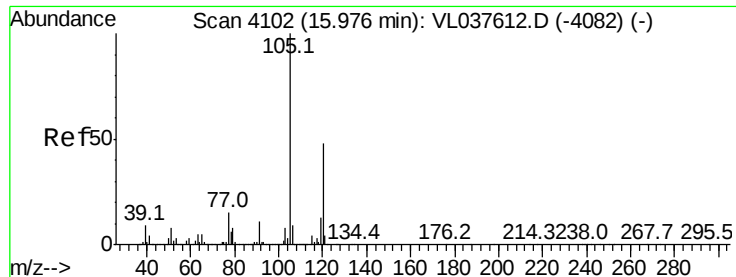
Tgt Ion: 91 Resp: 209288
Ion Ratio Lower Upper
91 100
126 33.9 13.6 54.4



#72
4-Ethyltoluene
Concen: 0.136 ppbv
RT: 15.83 min Scan# 4056
Delta R.T. 0.01 min
Lab File: VL037611.D
Acq: 16 Sep 2021 9:24

Tgt Ion: 105 Resp: 77784
Ion Ratio Lower Upper
105 100
120 0.0 24.7 37.1#
91 0.0 9.8 14.8#
77 0.0 10.6 15.8#





#73

1,3,5-Trimethylbenzene

Concen: 0.212 ppbv

RT: 15.98 min Scan# 4103

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

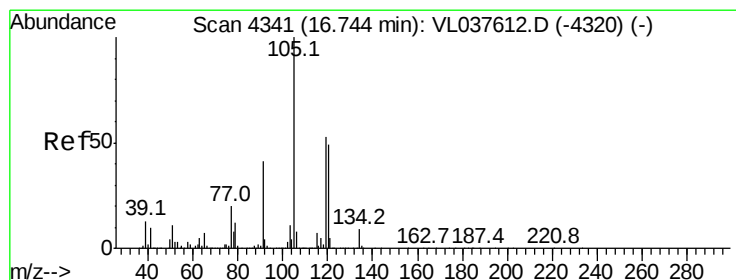
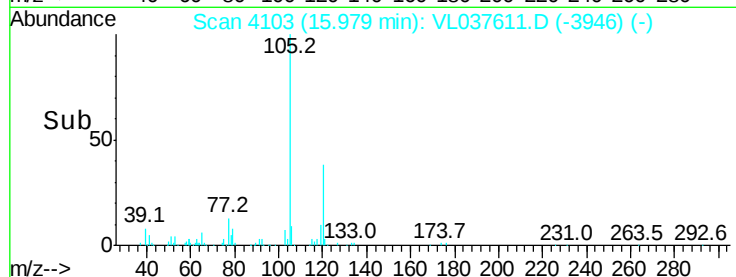
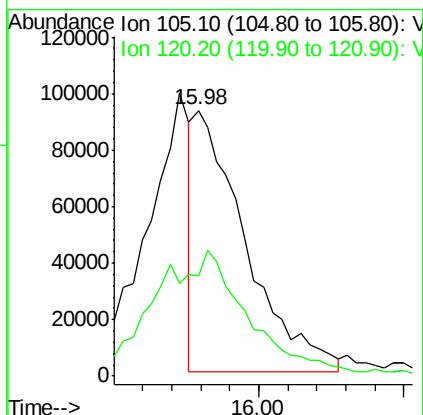
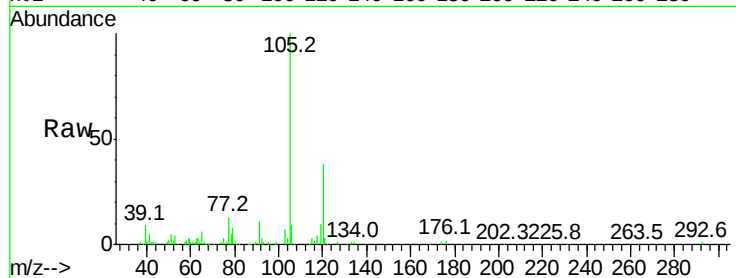
VSTDIC0.5

Tgt Ion:105 Resp: 112990

Ion Ratio Lower Upper

105 100

120 36.4 37.6 56.4#



#74

1,2,4-Trimethylbenzene

Concen: 0.263 ppbv

RT: 16.74 min Scan# 4341

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Tgt Ion:105 Resp: 148688

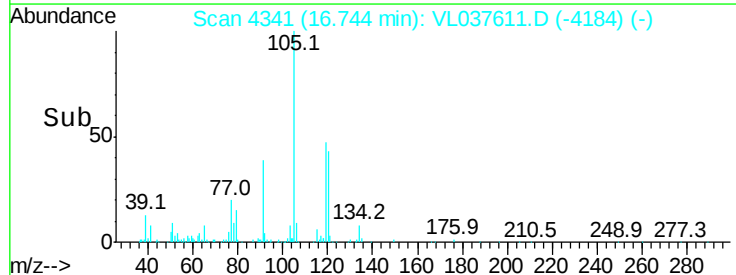
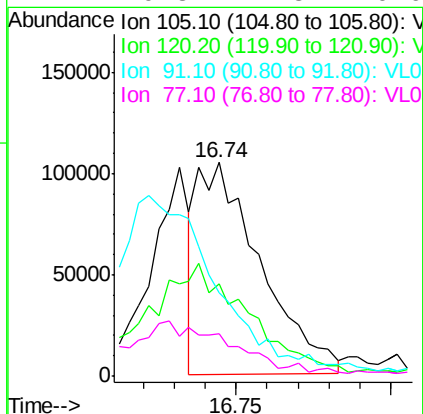
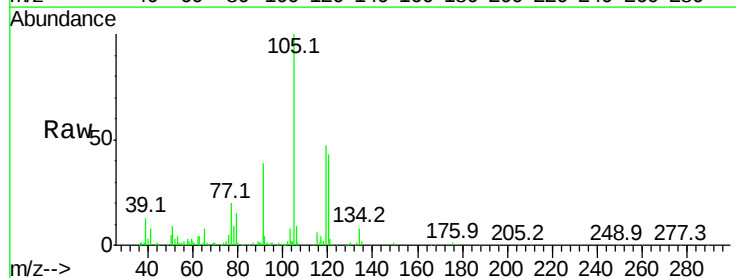
Ion Ratio Lower Upper

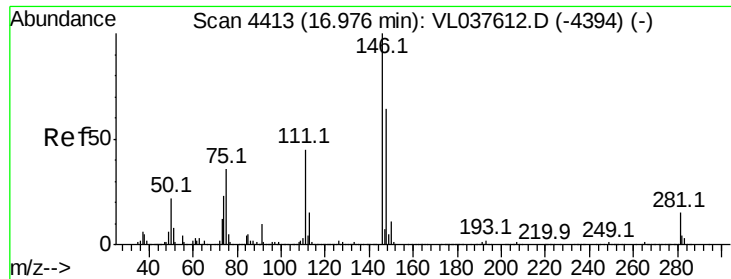
105 100

120 41.1 40.4 60.6

91 36.1 44.6 67.0#

77 19.3 17.8 26.6





#75

1,3-Dichlorobenzene

Concen: 0.440 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

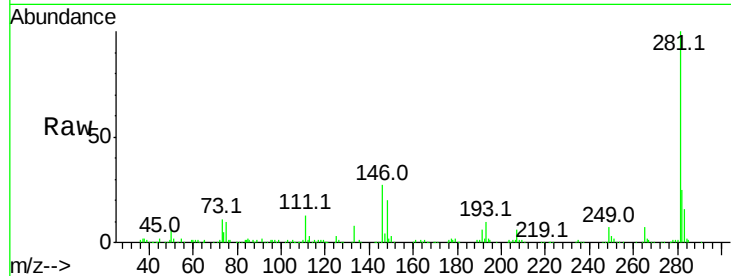
Tgt Ion:146 Resp: 149714

Ion Ratio Lower Upper

146 100

111 53.5 23.4 70.0

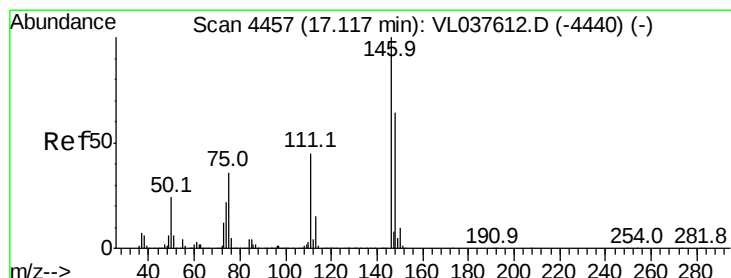
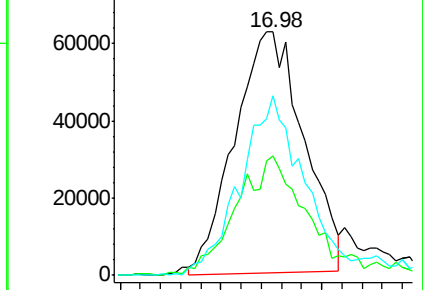
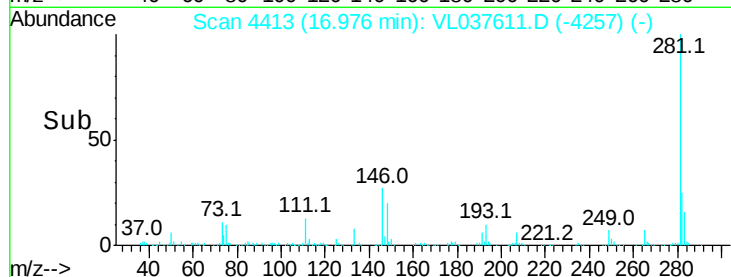
148 73.5 33.1 99.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#76

1,4-Dichlorobenzene

Concen: 0.383 ppbv

RT: 17.12 min Scan# 4457

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

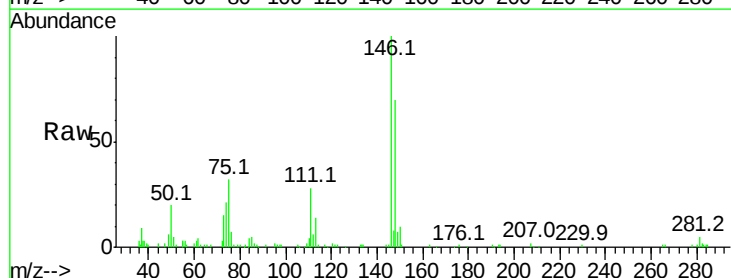
Tgt Ion:146 Resp: 131468

Ion Ratio Lower Upper

146 100

111 54.6 22.1 66.5

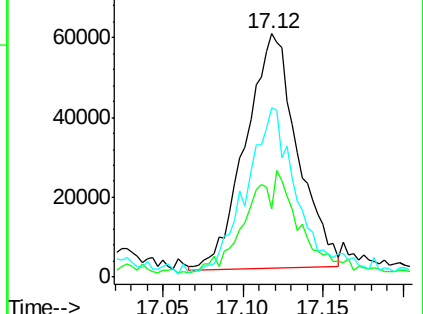
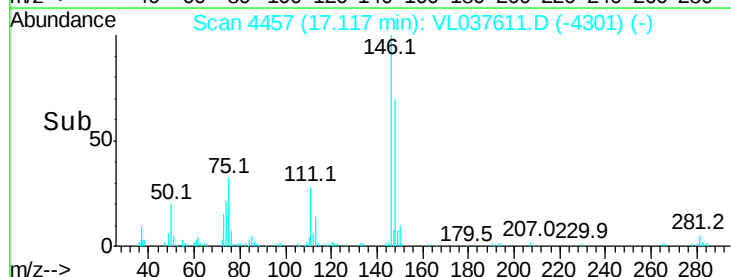
148 70.0 32.4 97.0

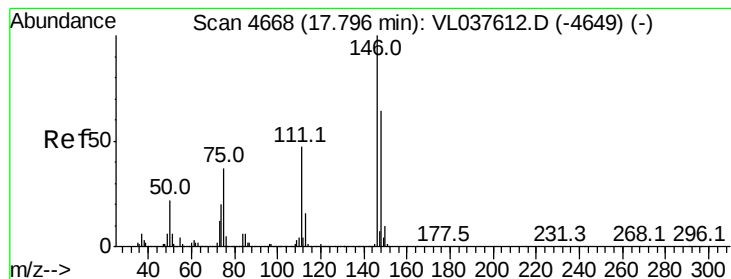


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#77

1,2-Dichlorobenzene

Concen: 0.405 ppbv

RT: 17.79 min Scan# 4667

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

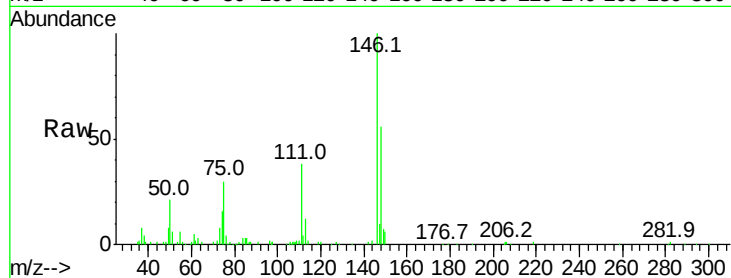
Tgt Ion:146 Resp: 135626

Ion Ratio Lower Upper

146 100

111 55.2 23.4 70.3

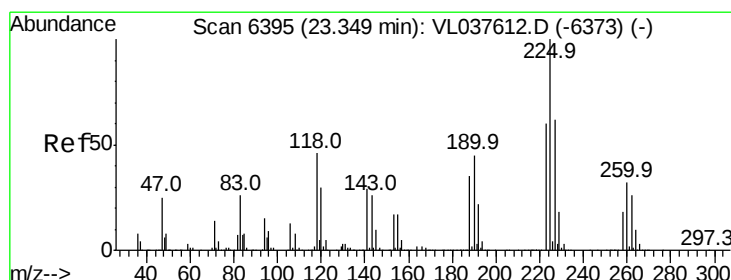
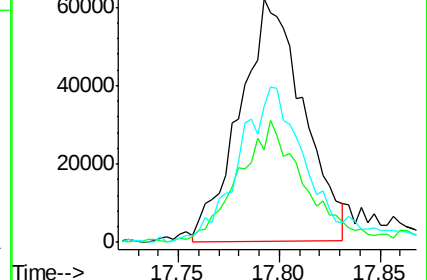
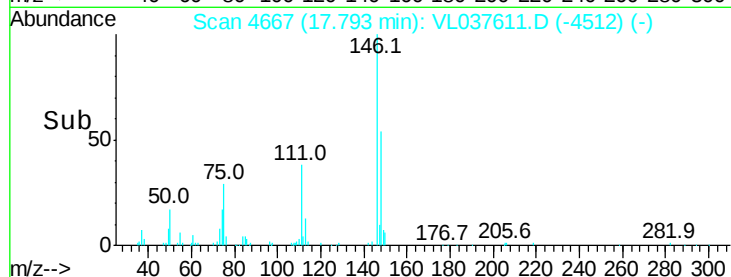
148 73.8 32.5 97.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V



#78

Hexachloro-1,3-Butadiene

Concen: 0.522 ppbv

RT: 23.35 min Scan# 6396

Delta R.T. -0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

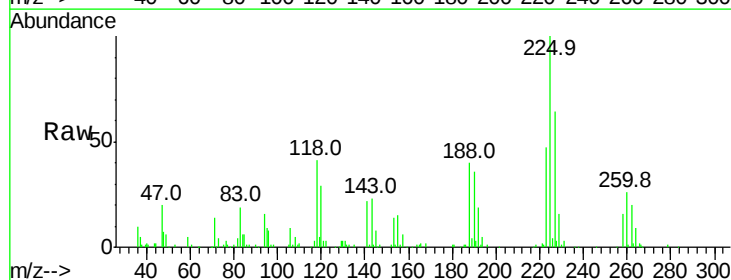
Tgt Ion:225 Resp: 145470

Ion Ratio Lower Upper

225 100

223 65.1 51.4 77.0

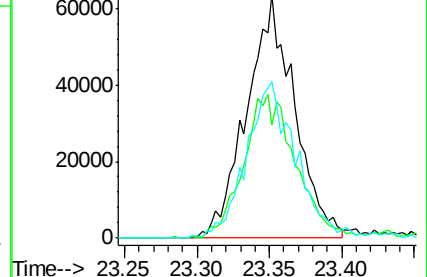
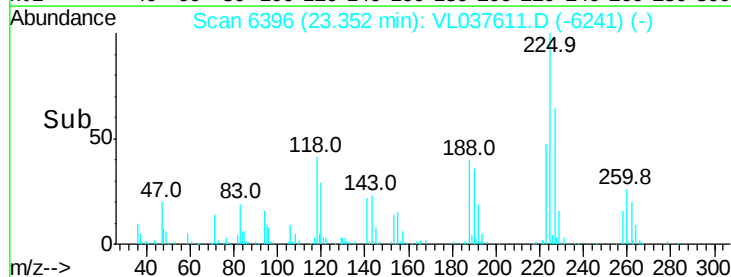
227 66.8 52.9 79.3

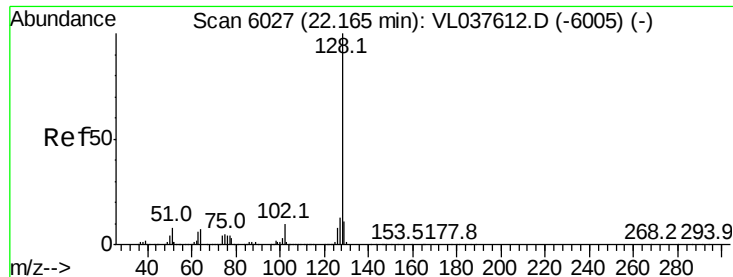


Abundance Ion 224.90 (224.60 to 225.60): V

Ion 222.90 (222.60 to 223.60): V

Ion 226.90 (226.60 to 227.60): V





#79

Naphthalene

Concen: 0.173 ppbv

RT: 22.17 min Scan# 6027

Delta R.T. 0.00 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

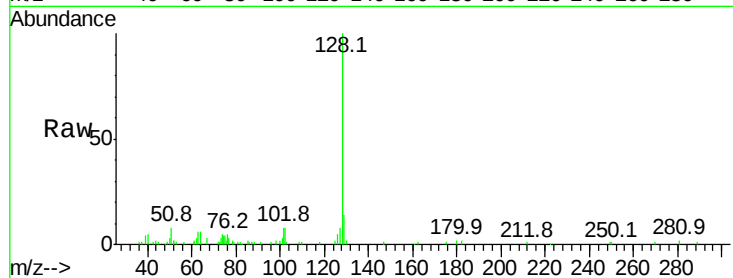
Tgt Ion:128 Resp: 65667

Ion Ratio Lower Upper

128 100

127 7.7 9.4 14.2#

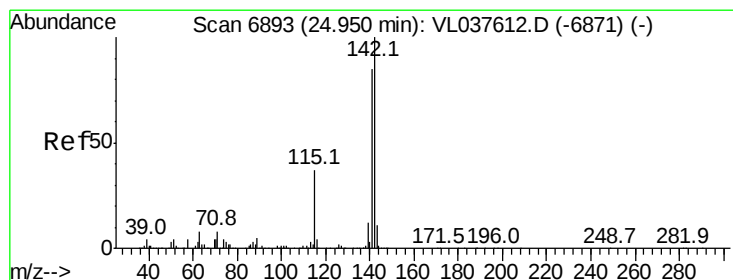
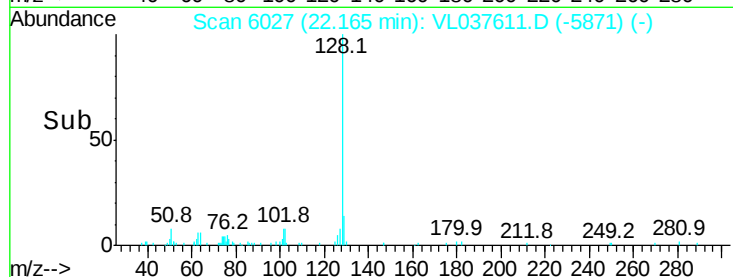
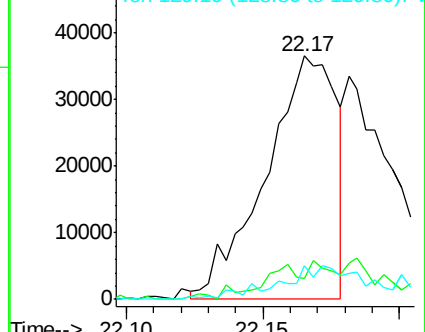
129 13.2 8.8 13.2#



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: 0.105 ppbv

RT: 24.97 min Scan# 6899

Delta R.T. 0.02 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

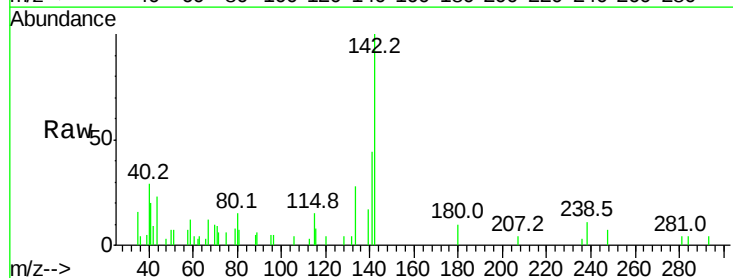
Tgt Ion:142 Resp: 11021

Ion Ratio Lower Upper

142 100

141 67.4 64.7 97.1

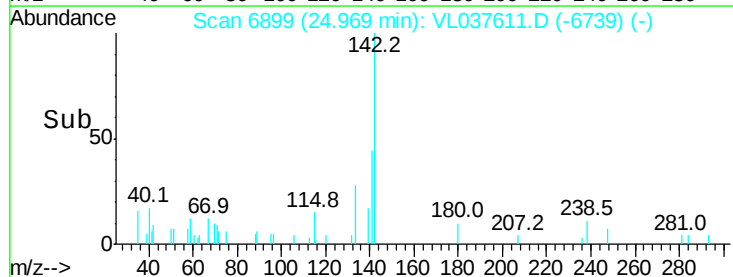
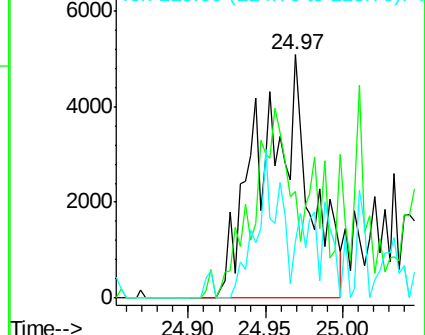
115 61.3 28.4 42.6#

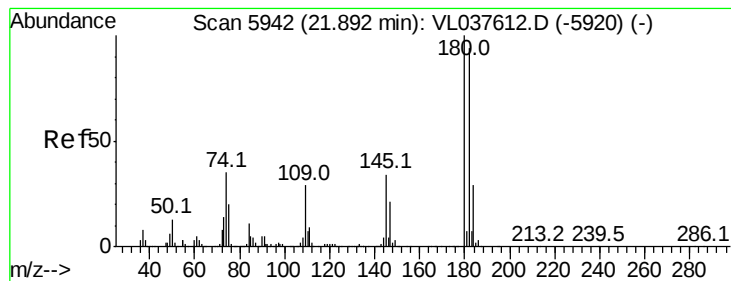


Abundance Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V





#81

1,2,4-Trichlorobenzene

Concen: 0.195 ppbv

RT: 21.90 min Scan# 5946

Delta R.T. 0.01 min

Lab File: VL037611.D

Acq: 16 Sep 2021 9:24

Instrument :

MSVOA_L

ClientSampleId :

VSTDIC0.5

Tgt Ion:180 Resp: 46336

Ion Ratio Lower Upper

180 100

182 178.7 79.6 119.4#

184 59.5 25.4 38.2#

