

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL061621\
 Data File : VL037184.D
 Acq On : 17 Jun 2021 00:07
 Operator : SY/AP
 Sample : M2721-01DUP
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 17 01:51:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL061621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 16 14:06:32 2021
 QLast Update : Wed Jun 16 14:06:32 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1523134	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4434334	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3904371	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	3103773	10.49	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	52666	0.199	ppbv	89
3) Chlorodifluoromethane	2.96	51	8584134	28.984	ppbv #	57
4) Chloromethane	3.14	50	52843	0.535	ppbv	91
9) Propene	3.20	41	1179790	12.459	ppbv	100
10) Heptane	8.12	43	50200	0.219	ppbv #	72
11) Trichlorofluoromethane	3.95	101	20800	0.074	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	10859	0.055	ppbv	88
13) Ethanol	3.60	45	3108558	212.202	ppbv	46
15) Acetone	3.84	43	5841244	34.008	ppbv	93
16) 1,3-Butadiene	3.30	39	28706	0.283	ppbv #	31
17) tert-Butyl alcohol	4.30	59	725352	4.569	ppbv	99
19) Isopropyl Alcohol	3.97	45	760321	7.308	ppbv #	1
20) Methylene Chloride	4.34	84	1670194	16.242	ppbv	98
21) Allyl Chloride	4.34	41	69871	0.540	ppbv #	18
23) Vinyl Acetate	5.07	43	149438	0.607	ppbv #	15
25) Ethyl Acetate	5.67	43	6096985	16.397	ppbv	99
26) Hexane	5.69	57	2782822	14.807	ppbv	96
27) Carbon Disulfide	4.55	76	51438	0.279	ppbv #	78
30) Cyclohexane	7.13	84	398719	2.546	ppbv	85
31) cis-1,2-Dichloroethene	5.67	61	553338	3.204	ppbv #	23
34) 2-Butanone	5.24	43	932416	5.407	ppbv	100
35) Carbon Tetrachloride	7.01	117	12552	0.042	ppbv	97
36) Benzene	6.90	78	19839	0.055	ppbv	95
37) 1,2-Dichloroethane	6.31	62	14536	0.070	ppbv #	83
39) 1,2-Dichloropropane	7.18	63	1044803	7.841	ppbv #	23
41) Tetrahydrofuran	6.05	42	89254	1.114	ppbv	97
44) 2,2,4-Trimethylpentane	7.87	57	114387	0.189	ppbv #	71
50) 4-Methyl-2-Pentanone	8.74	43	12192	0.051	ppbv #	39
51) 2-Hexanone	10.05	43	48045	0.417	ppbv #	44
53) Toluene	9.81	91	1007010	2.351	ppbv	100
58) Ethyl Benzene	12.71	91	430881	0.802	ppbv	97
59) m/p-Xylene	12.97	91	1281244	2.813	ppbv	98
60) o-Xylene	13.69	91	570876	1.316	ppbv	99
61) Styrene	13.53	104	6402125	28.601	ppbv	95
62) Isopropylbenzene	14.67	105	136489	0.221	ppbv	98
64) n-propylbenzene	15.56	120	36586	0.237	ppbv #	1
65) tert-Butylbenzene	16.76	119	78402	0.143	ppbv #	10
66) Benzyl Chloride	16.98	91	1276	0.055	ppbv #	1
67) sec-Butylbenzene	17.29	105	50694	0.070	ppbv	97
69) p-Isopropyltoluene	17.65	119	120266	0.195	ppbv	94
70) n-Butylbenzene	18.55	91	103253	0.181	ppbv #	68

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Jun 16 14:06:32 2021
QLast Update : Wed Jun 16 14:06:32 2021
Response via : Initial Calibration

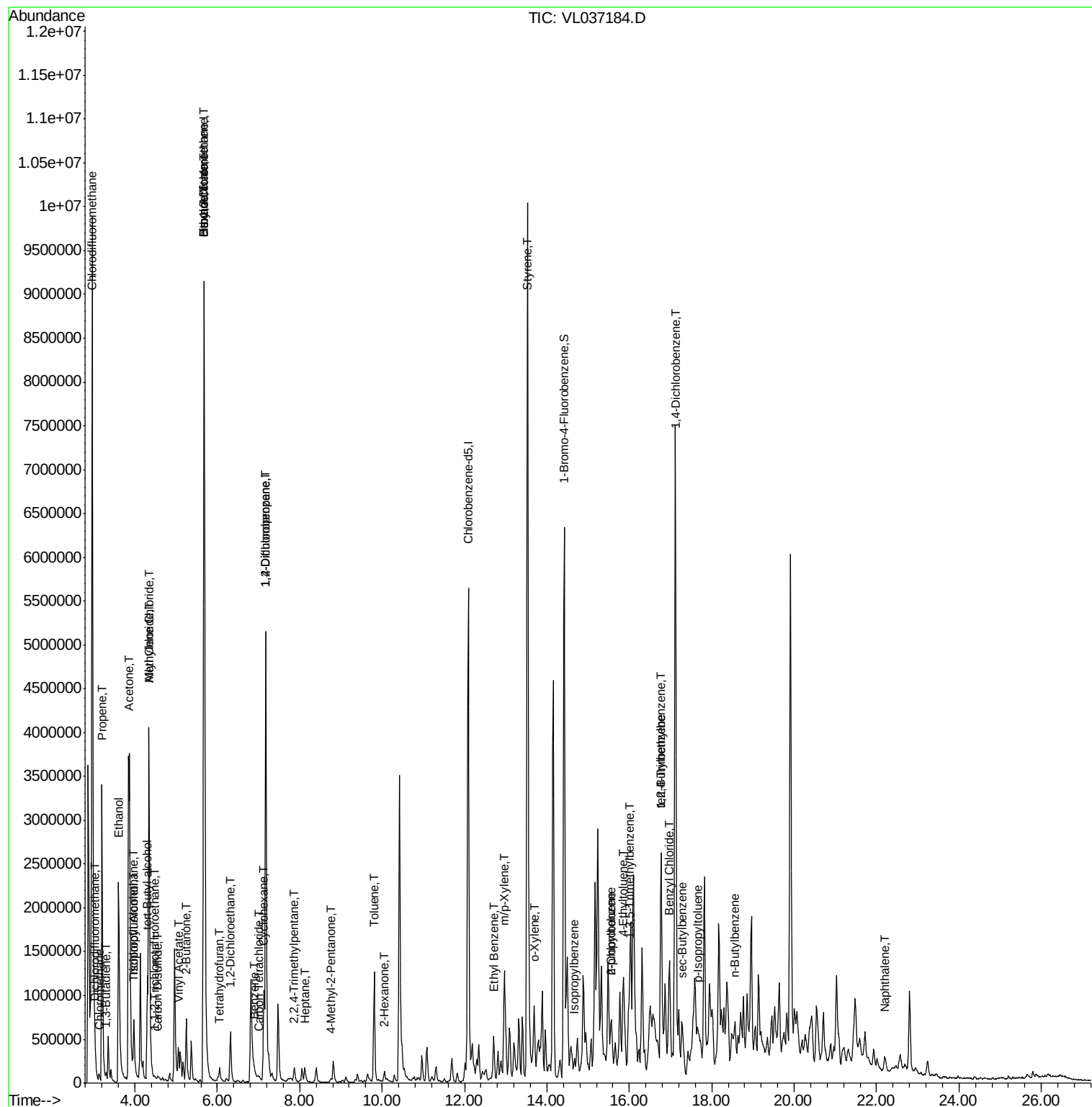
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
71) 2-Chlorotoluene	15.56	91	312093	0.724	ppbv #	47
72) 4-Ethyltoluene	15.84	105	171823	0.349	ppbv #	57
73) 1,3,5-Trimethylbenzene	16.00	105	373386	0.784	ppbv	90
74) 1,2,4-Trimethylbenzene	16.76	105	1096646	2.235	ppbv #	73
76) 1,4-Dichlorobenzene	17.13	146	27369	0.092	ppbv #	22
79) Naphthalene	22.20	128	36312	0.089	ppbv	96

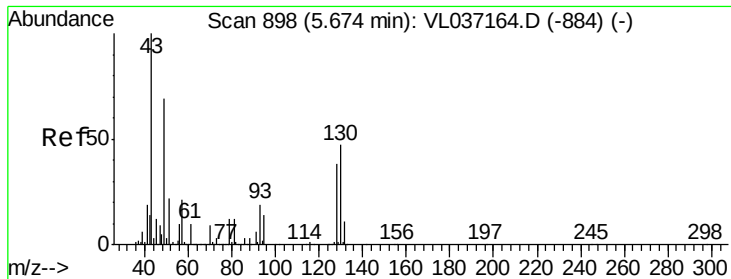
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

Instrument :

MSVOA_L

ClientSampleId :

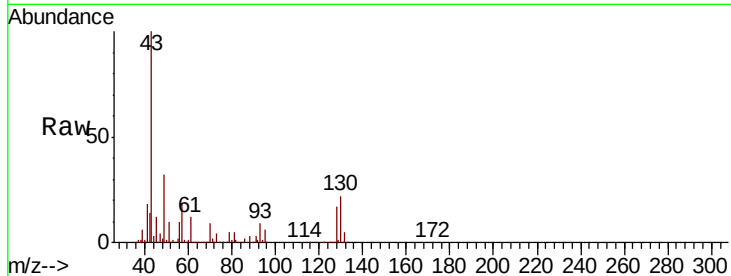
Tot Ion: 49 Resp: 1523134

Ion Ratio Lower Upper

49 100

128 53.2 29.3 88.0

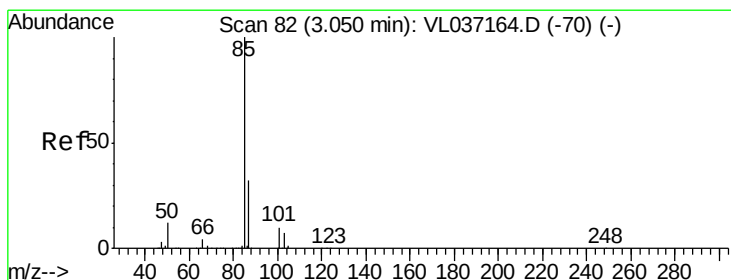
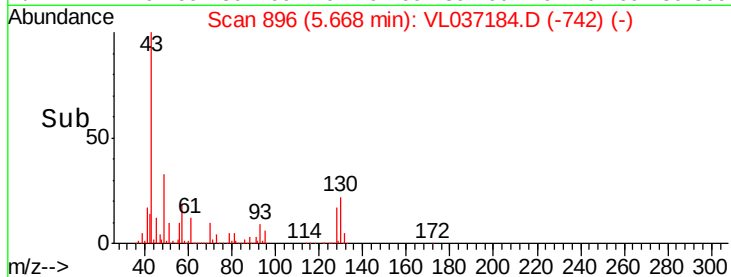
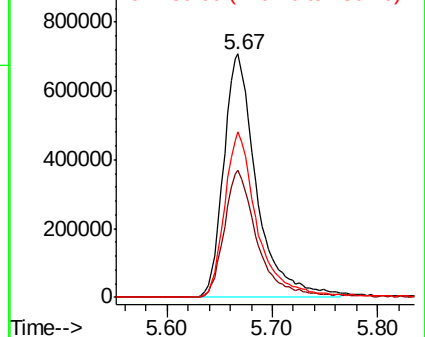
130 69.0 35.9 107.8



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#2

Dichlorodifluoromethane

Concen: 0.199 ppbv

RT: 3.04 min Scan# 80

Delta R.T. -0.01 min

Lab File: VL037184.D

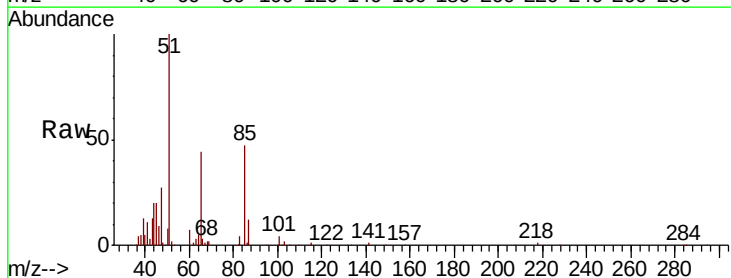
Acq: 17 Jun 2021 00:07

Tgt Ion: 85 Resp: 52666

Ion Ratio Lower Upper

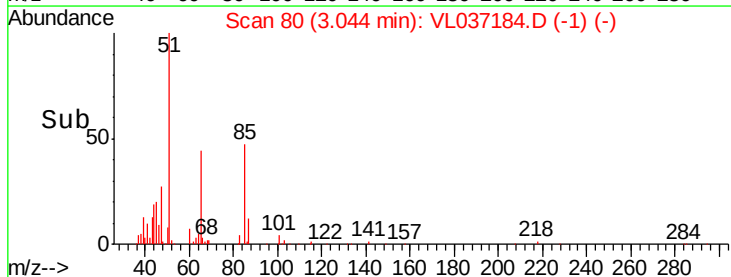
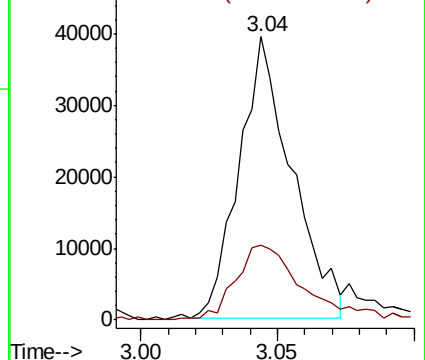
85 100

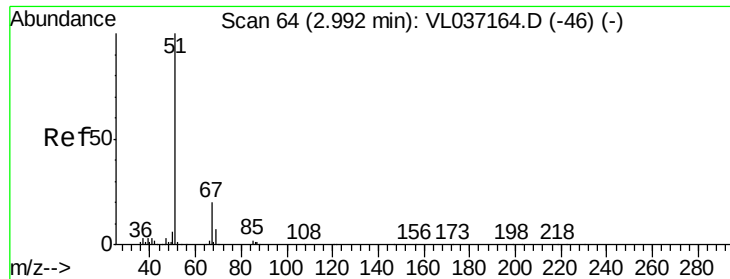
87 25.8 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 28.984 ppbv

RT: 2.96 min Scan# 54

Delta R.T. -0.03 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

Instrument :

MSVOA_L

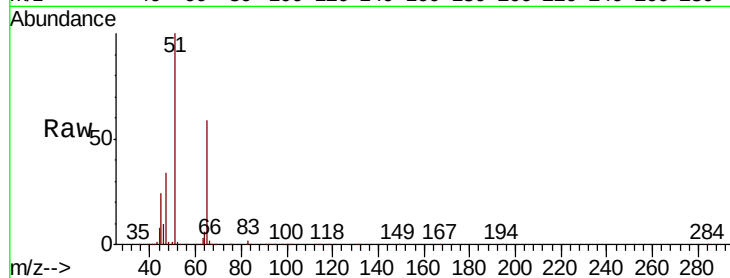
ClientSampleId :

Tot Ion: 51 Resp: 8584134

Ion Ratio Lower Upper

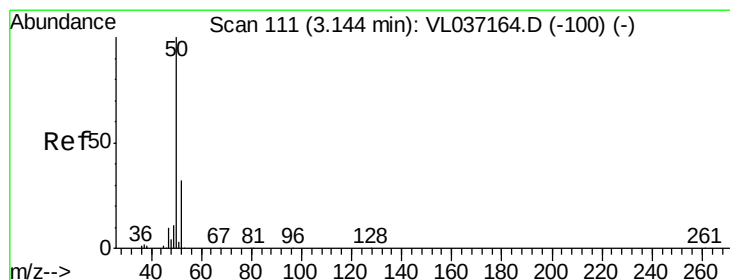
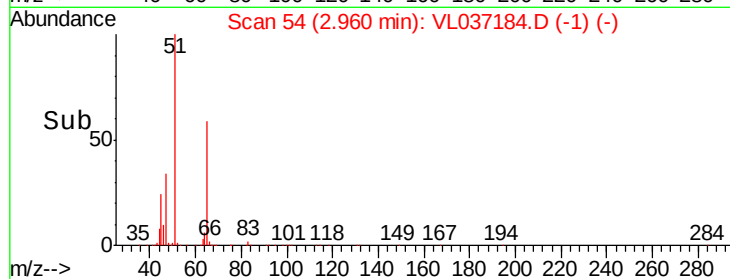
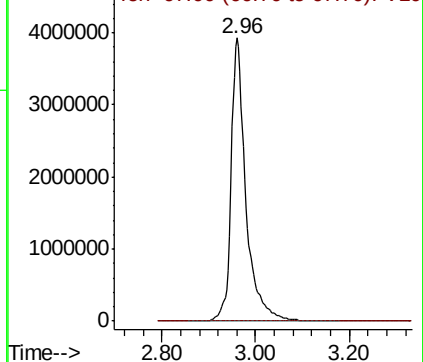
51 100

67 0.2 15.8 23.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.535 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL037184.D

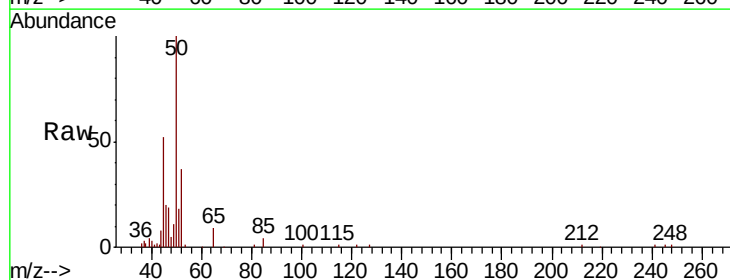
Acq: 17 Jun 2021 00:07

Tgt Ion: 50 Resp: 52843

Ion Ratio Lower Upper

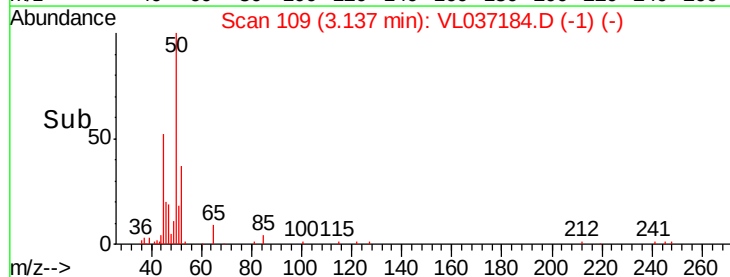
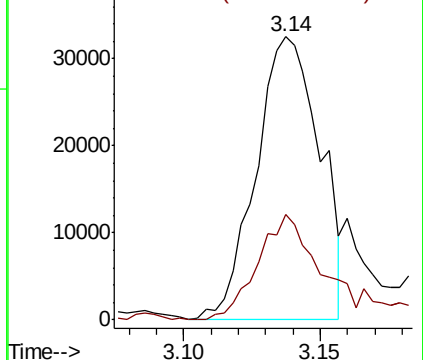
50 100

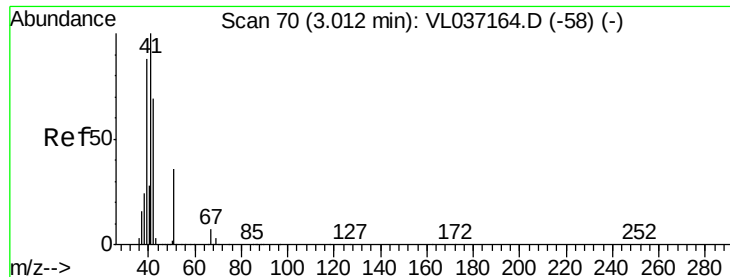
52 37.3 25.8 38.8



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 12.459 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.19 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

Instrument :

MSVOA_L

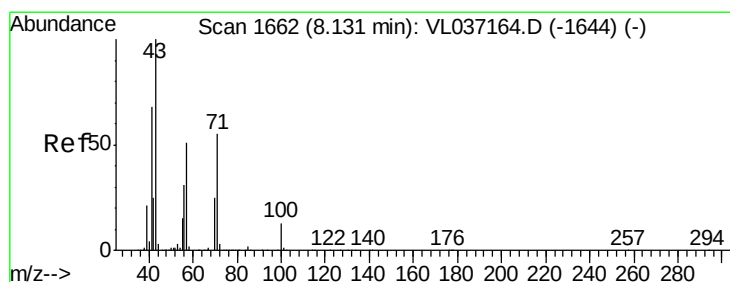
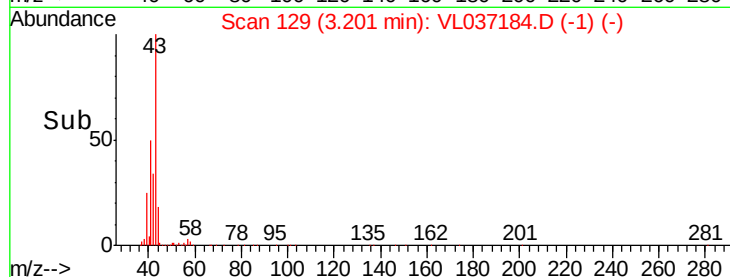
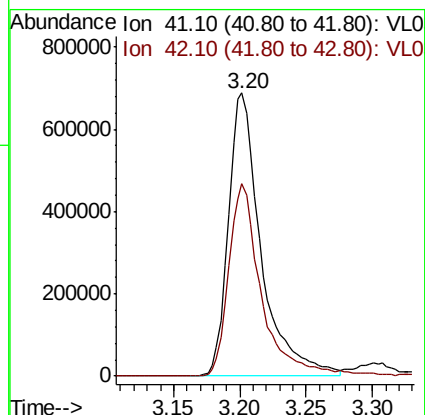
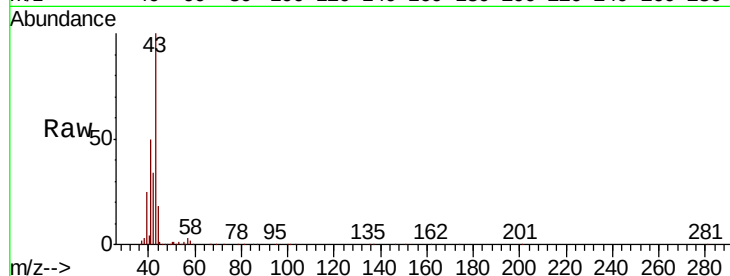
ClientSampleId :

Tot Ion: 41 Resp: 1179790

Ion Ratio Lower Upper

41 100

42 68.4 54.5 81.7



#10

Heptane

Concen: 0.219 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL037184.D

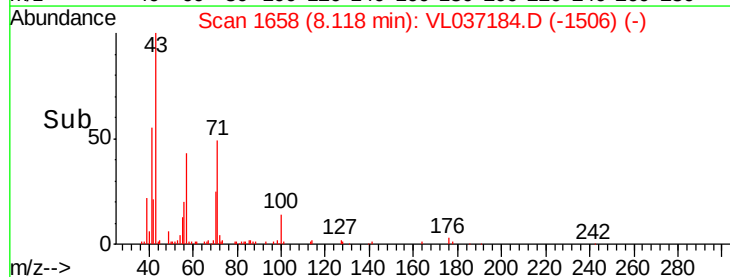
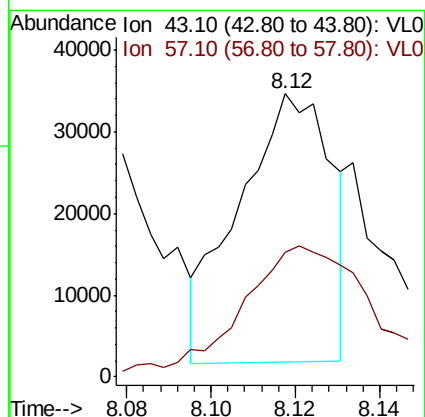
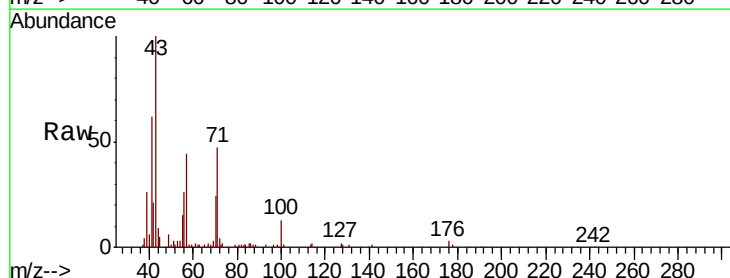
Acq: 17 Jun 2021 00:07

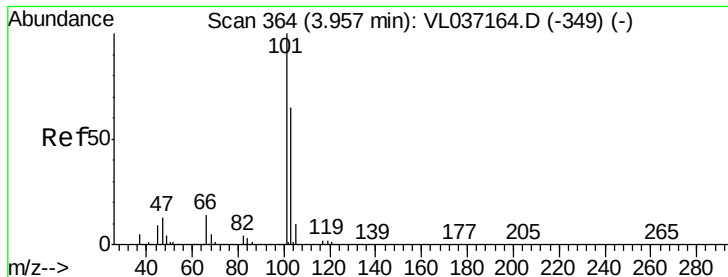
Tgt Ion: 43 Resp: 50200

Ion Ratio Lower Upper

43 100

57 70.4 40.6 61.0#





#11

Trichlorofluoromethane

Concen: 0.074 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.00 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

Instrument :

MSVOA_L

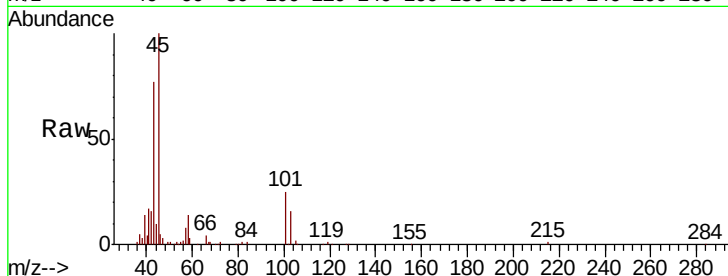
ClientSampleId :

Tot Ion:101 Resp: 20800

Ion Ratio Lower Upper

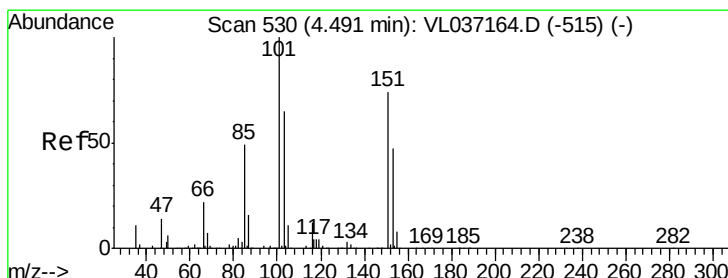
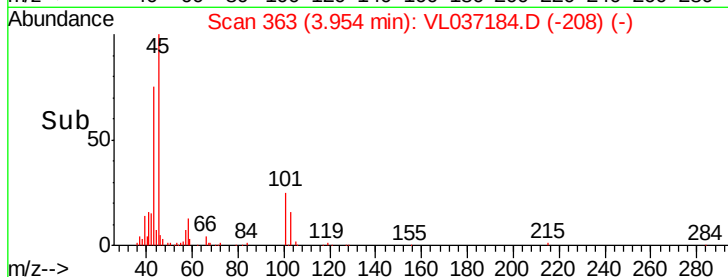
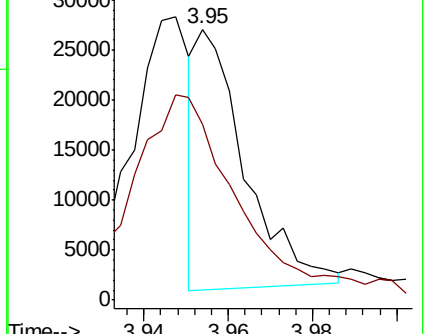
101 100

103 62.1 52.2 78.4



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.055 ppbv

RT: 4.48 min Scan# 527

Delta R.T. -0.01 min

Lab File: VL037184.D

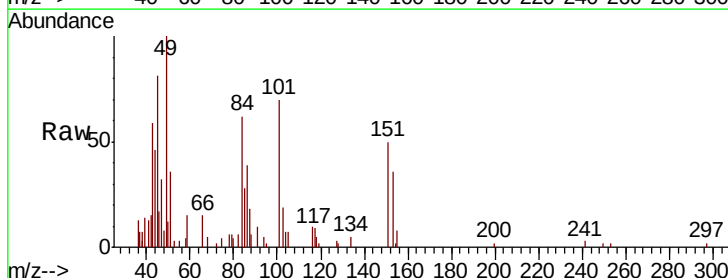
Acq: 17 Jun 2021 00:07

Tgt Ion:101 Resp: 10859

Ion Ratio Lower Upper

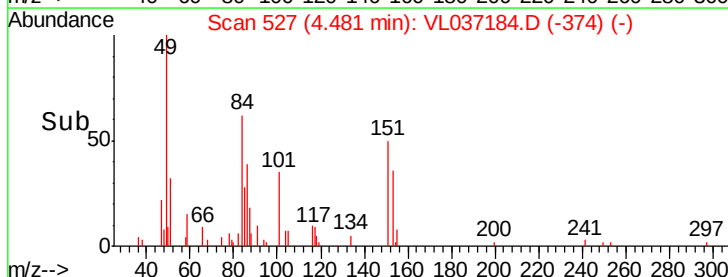
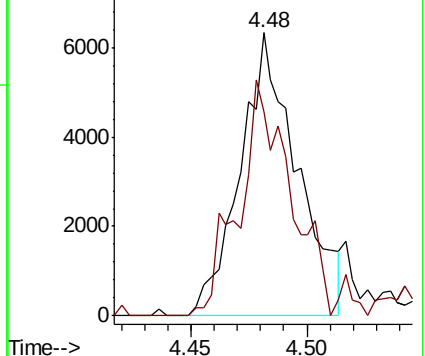
101 100

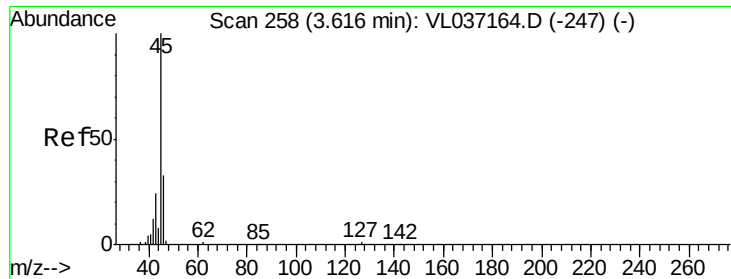
151 83.8 59.1 88.7



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

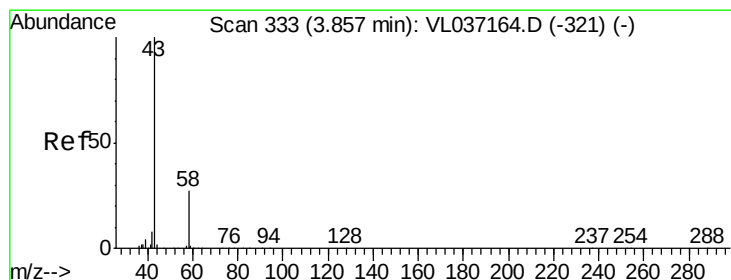
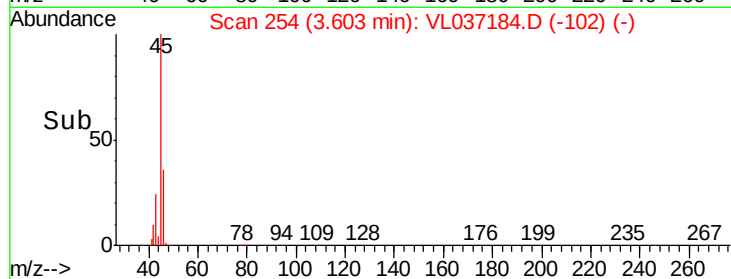
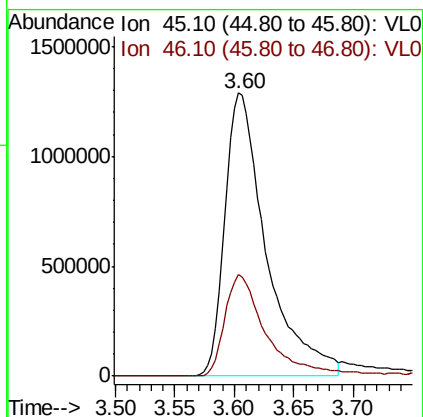
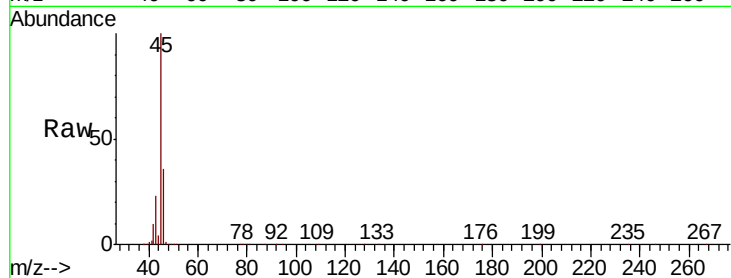




#13
Ethanol
Concen: 212.202 ppbv
RT: 3.60 min Scan# 254
Delta R.T. -0.01 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

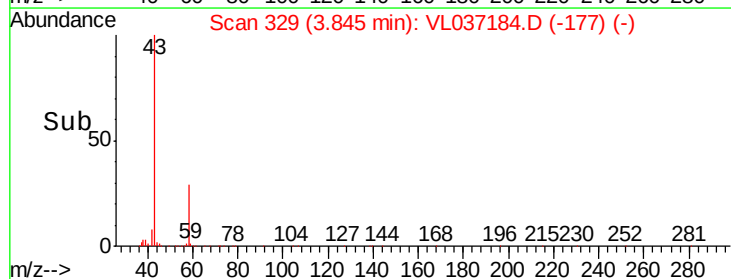
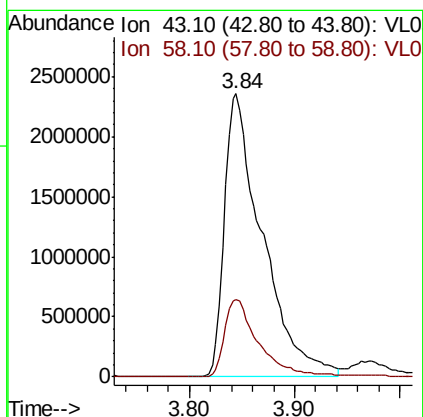
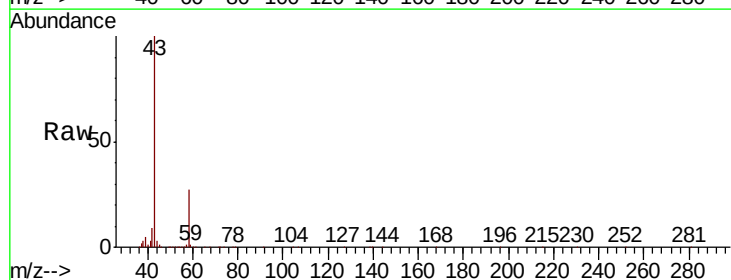
Instrument :
MSVOA_L
ClientSampled :

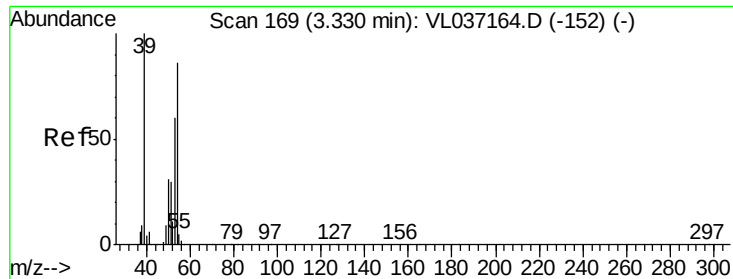
Tot Ion: 45 Resp: 3108558
Ion Ratio Lower Upper
45 100
46 36.3 34.2 137.0



#15
Acetone
Concen: 34.008 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

Tgt Ion: 43 Resp: 5841244
Ion Ratio Lower Upper
43 100
58 25.7 23.7 35.5

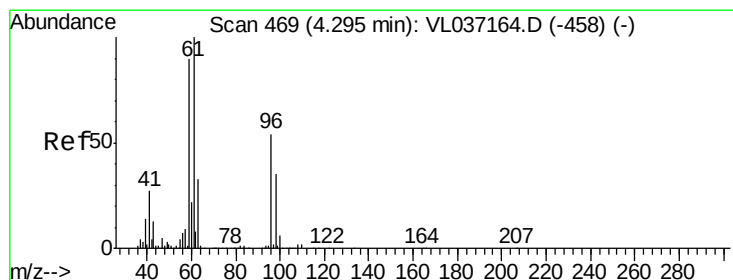
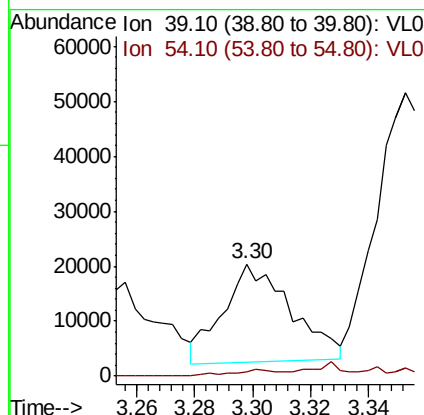
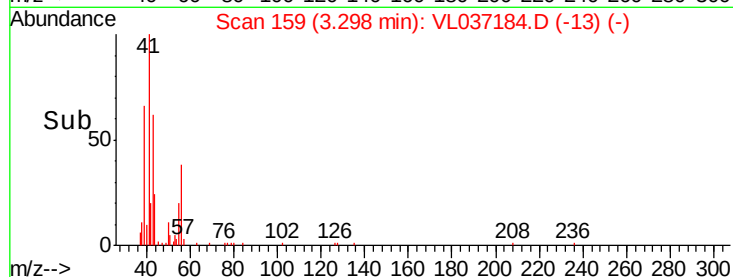
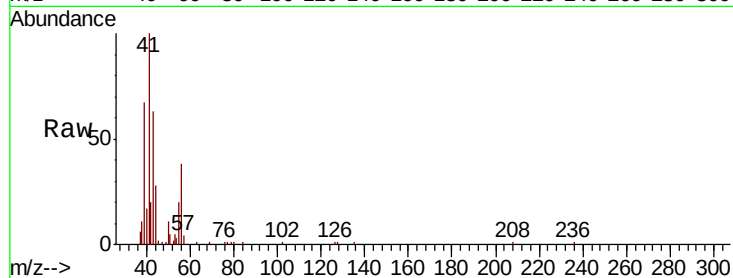




#16
 1,3-Butadiene
 Concen: 0.283 ppbv
 RT: 3.30 min Scan# 159
 Delta R.T. -0.03 min
 Lab File: VL037184.D
 Acq: 17 Jun 2021 00:07

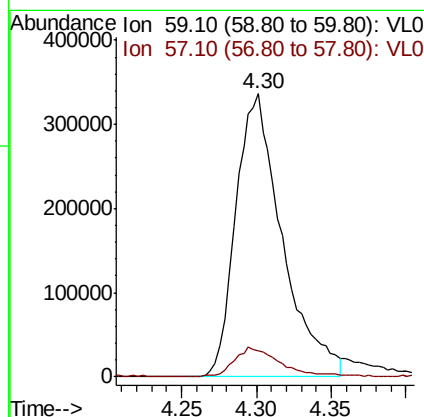
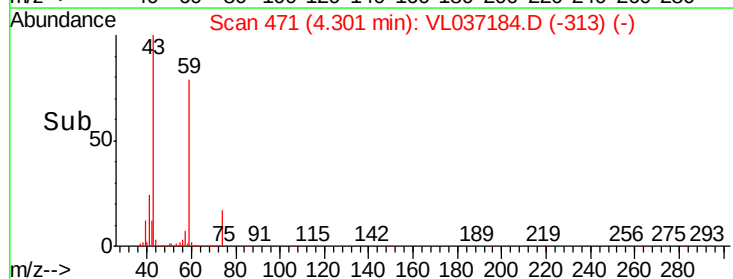
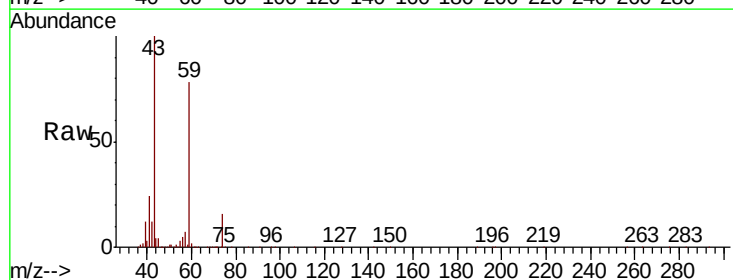
Instrument :
 MSVOA_L
 ClientSampleId :

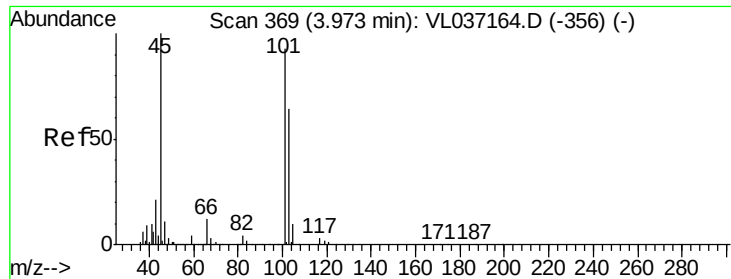
Tot Ion: 39 Resp: 28706
 Ion Ratio Lower Upper
 39 100
 54 17.1 61.2 91.8#



#17
 tert-Butyl alcohol
 Concen: 4.569 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.01 min
 Lab File: VL037184.D
 Acq: 17 Jun 2021 00:07

Tgt Ion: 59 Resp: 725352
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.8 13.2





#19

Isopropyl Alcohol

Concen: 7.308 ppbv

RT: 3.97 min Scan# 369

Delta R.T. 0.00 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

Instrument :

MSVOA_L

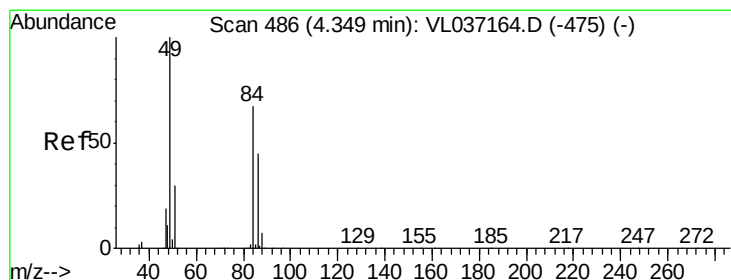
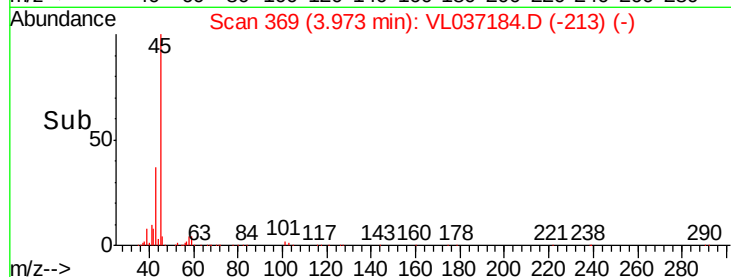
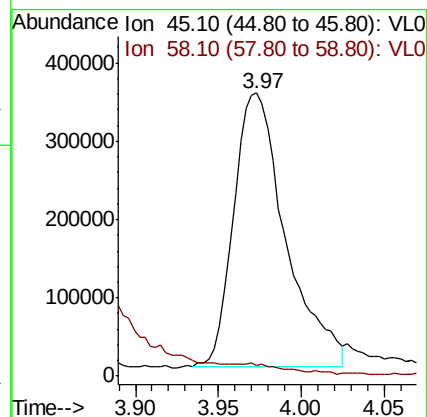
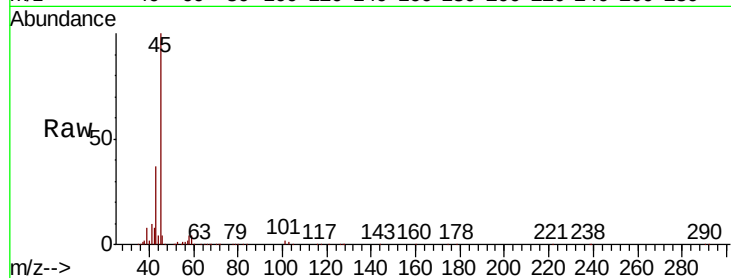
ClientSampleId :

Tot Ion: 45 Resp: 760321

Ion Ratio Lower Upper

45 100

58 197.6 2.4 3.6#



#20

Methylene Chloride

Concen: 16.242 ppbv

RT: 4.34 min Scan# 484

Delta R.T. -0.01 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

Tgt Ion: 84 Resp: 1670194

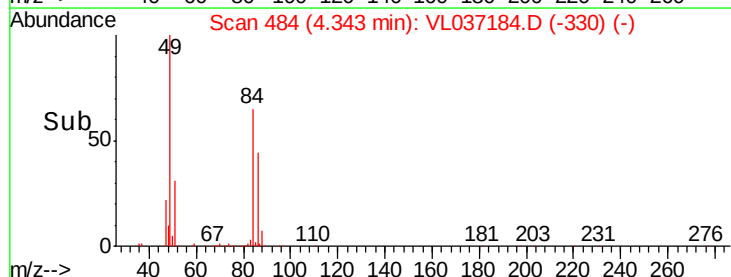
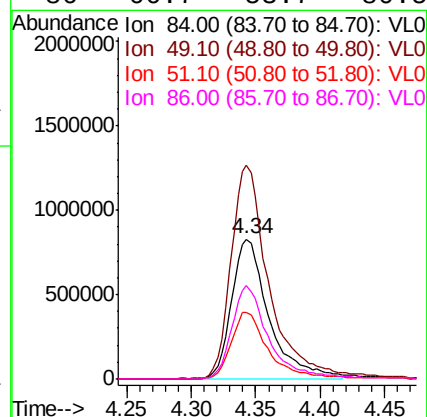
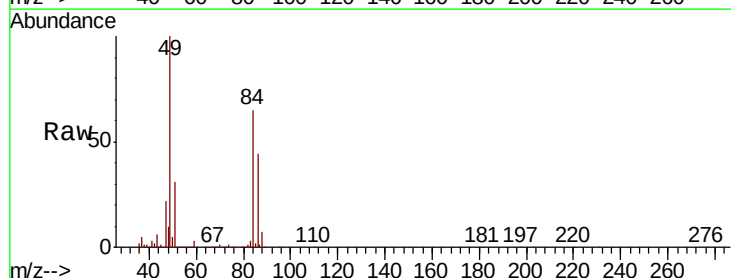
Ion Ratio Lower Upper

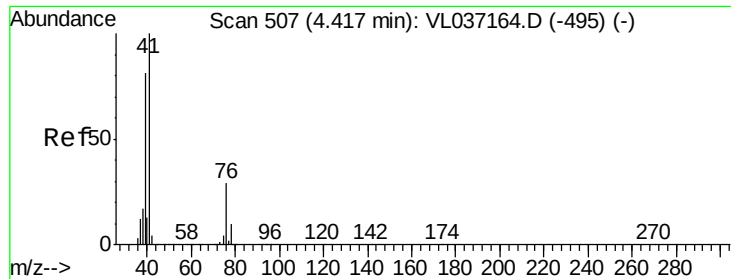
84 100

49 152.7 119.7 179.5

51 47.0 36.1 54.1

86 66.7 53.7 80.5

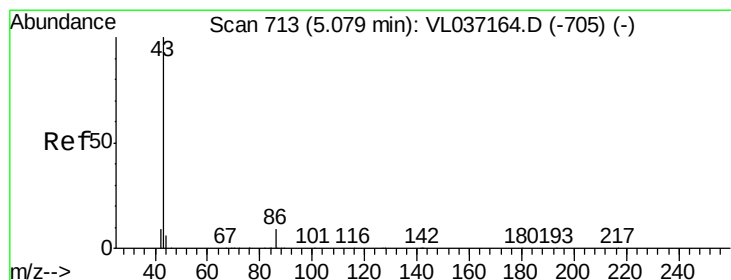
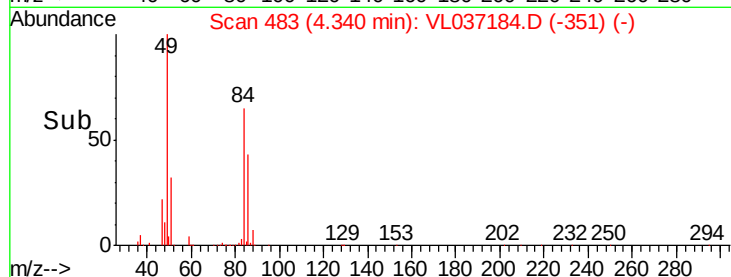
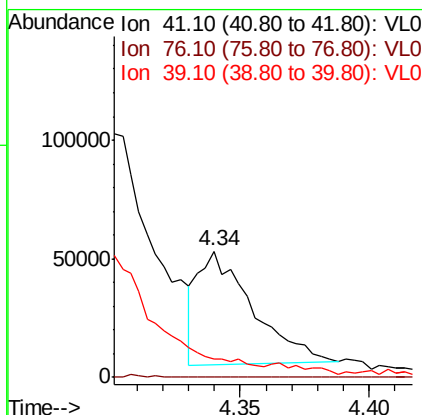
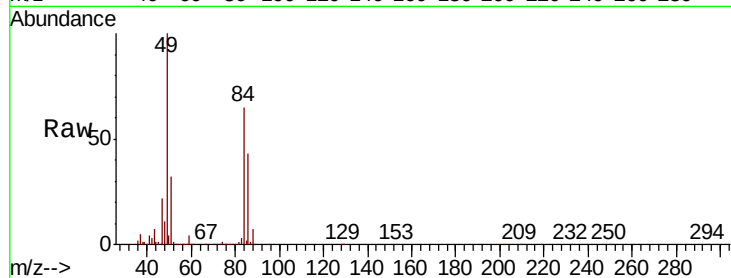




#21
Allvl Chloride
Concen: 0.540 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.08 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

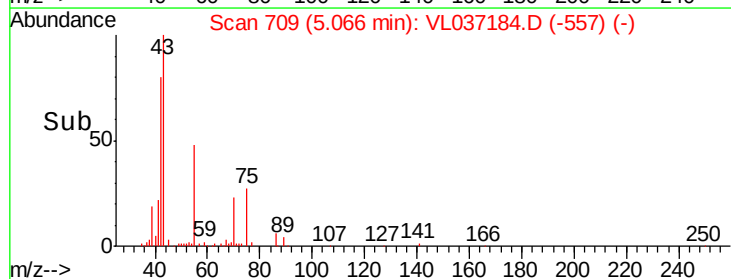
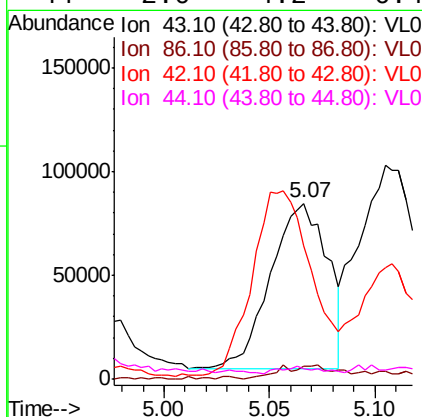
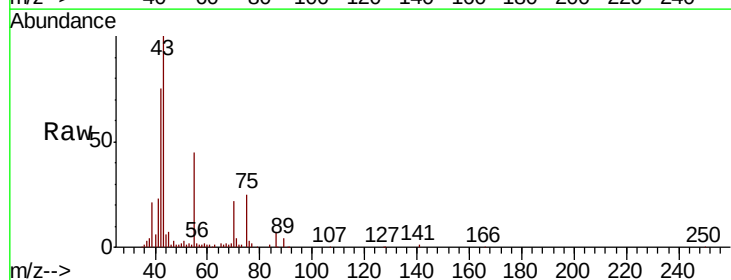
Instrument :
MSVOA_L
ClientSampled :

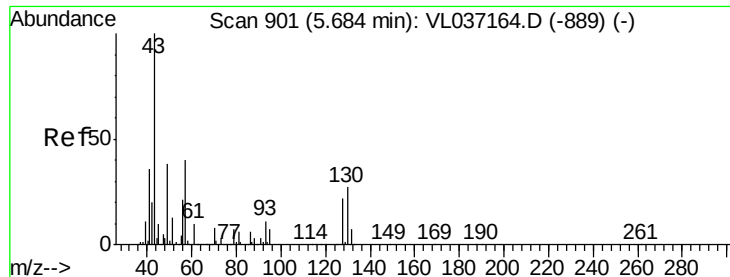
Tot Ion: 41 Resp: 69871
Ion Ratio Lower Upper
41 100
76 0.0 24.6 37.0#
39 0.0 65.4 98.0#



#23
Vinyl Acetate
Concen: 0.607 ppbv
RT: 5.07 min Scan# 709
Delta R.T. -0.01 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

Tgt Ion: 43 Resp: 149438
Ion Ratio Lower Upper
43 100
86 6.2 5.8 8.8
42 78.1 8.2 12.2#
44 2.0 4.2 6.4#



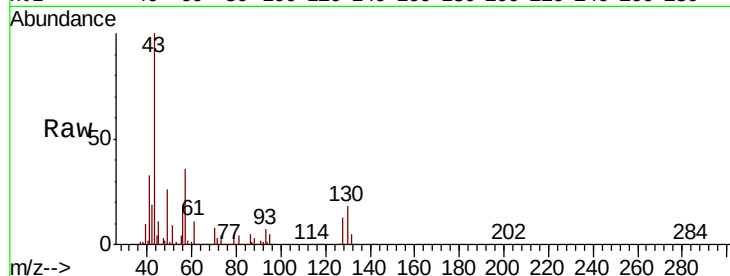


#25
Ethyl Acetate
Concen: 16.397 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

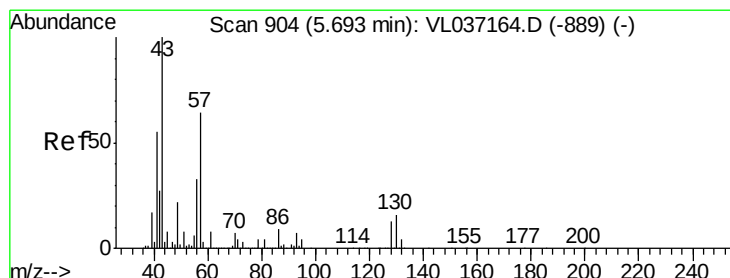
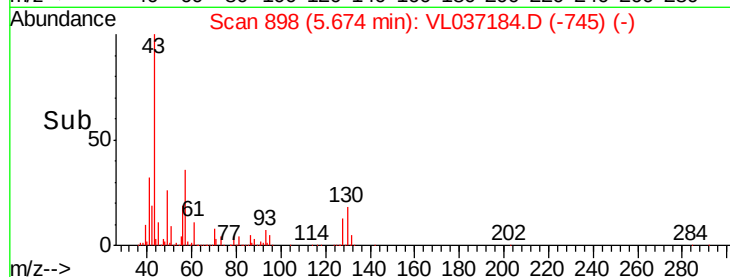
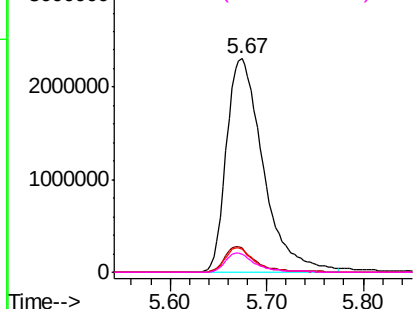
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 6096985

Ion	Ratio	Lower	Upper
43	100		
45	10.2	8.0	12.0
61	9.6	8.1	12.1
70	7.6	5.5	8.3



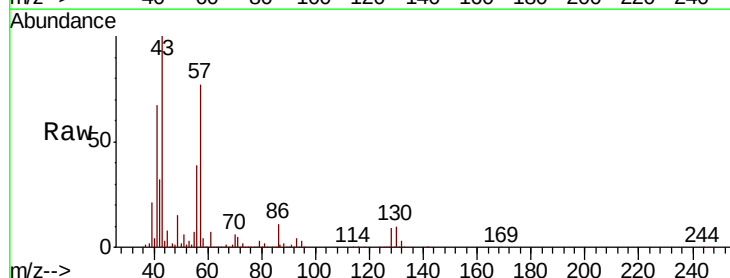
Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0



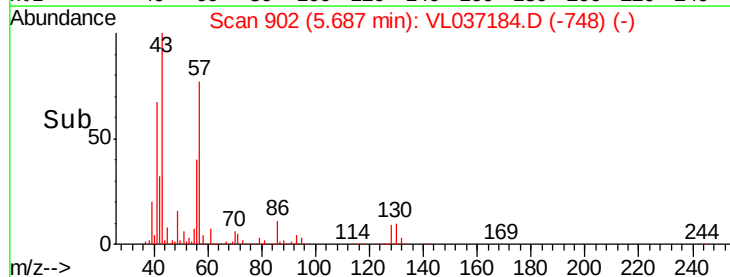
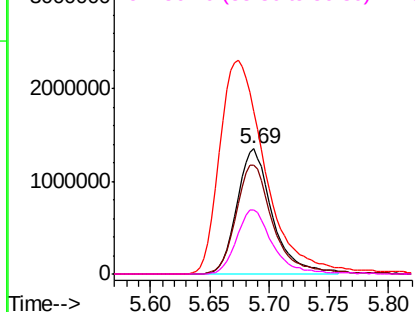
#26
Hexane
Concen: 14.807 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

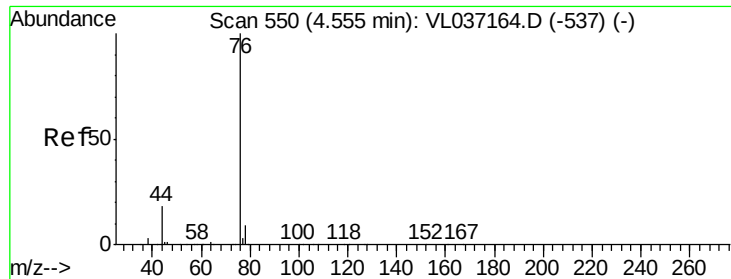
Tgt Ion: 57 Resp: 2782822

Ion	Ratio	Lower	Upper
57	100		
41	92.0	73.5	110.3
43	224.1	170.7	256.1
56	53.1	42.4	63.6



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

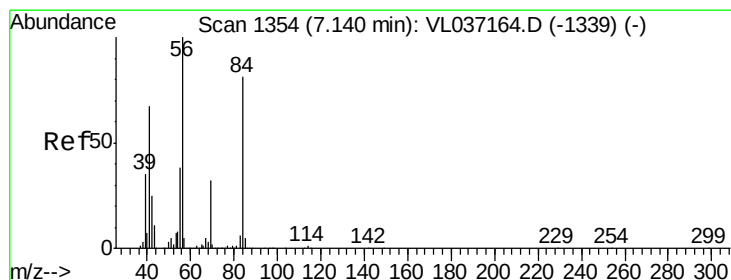
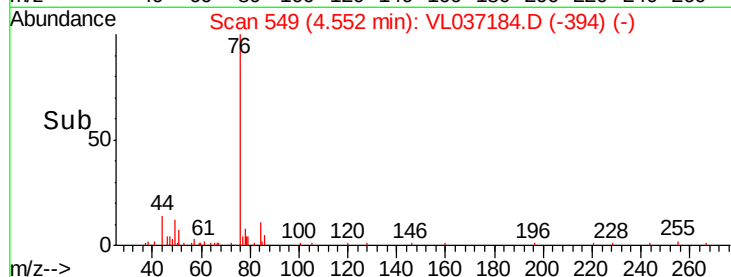
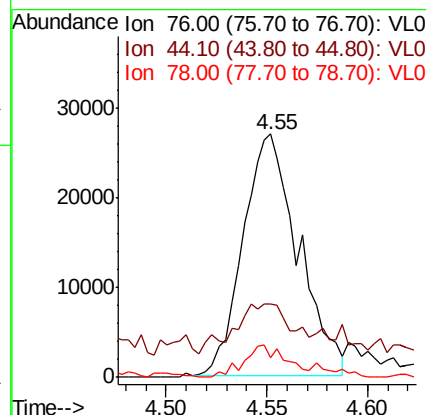
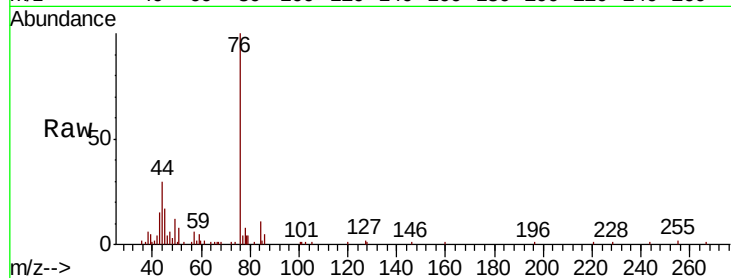




#27
Carbon Disulfide
Concen: 0.279 ppbv
RT: 4.55 min Scan# 549
Delta R.T. -0.00 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

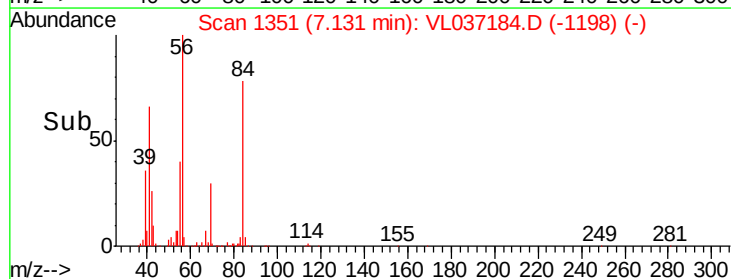
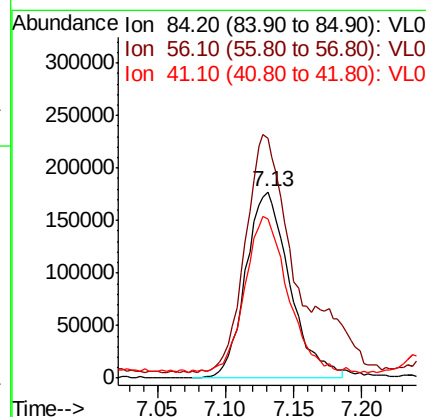
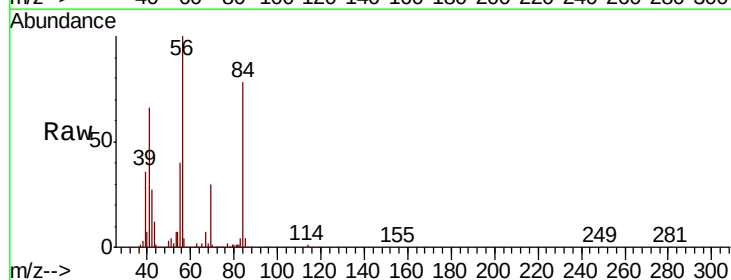
Instrument :
MSVOA_L
ClientSampleId :

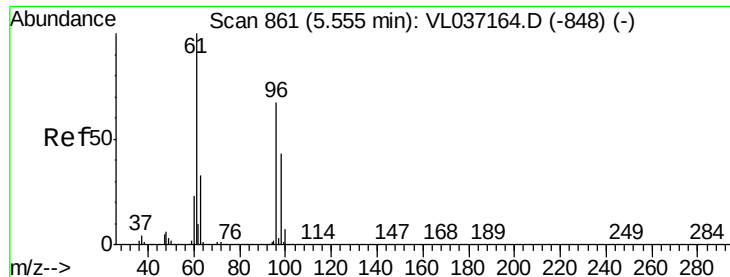
Tot Ion: 76 Resp: 51438
Ion Ratio Lower Upper
76 100
44 33.0 15.4 23.2#
78 12.6 8.0 12.0#



#30
Cyclohexane
Concen: 2.546 ppbv
RT: 7.13 min Scan# 1351
Delta R.T. -0.01 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

Tgt Ion: 84 Resp: 398719
Ion Ratio Lower Upper
84 100
56 160.6 107.7 161.5
41 91.0 69.0 103.6



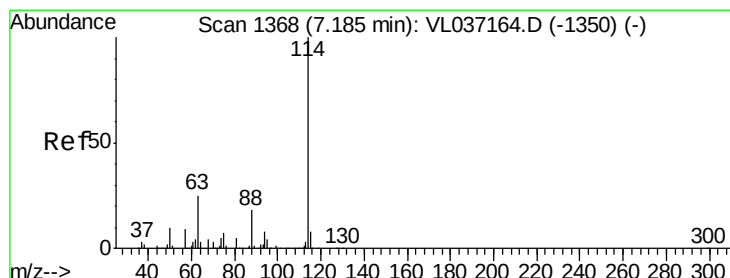
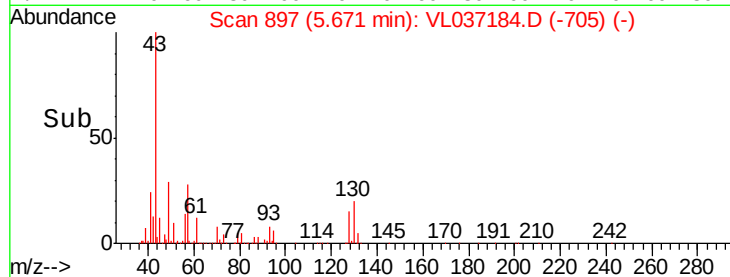
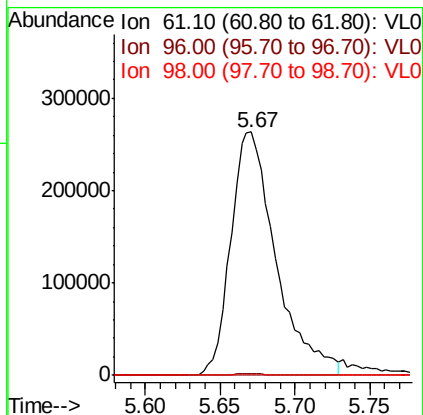
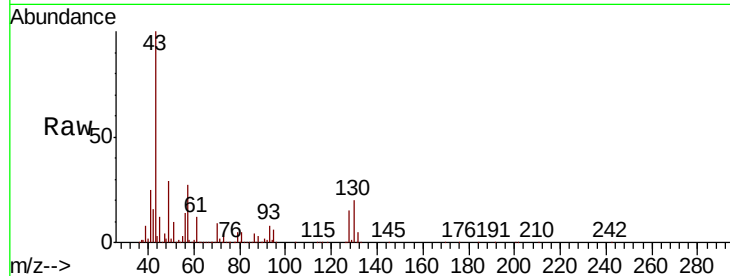


#31

cis-1,2-Dichloroethene
 Concen: 3.204 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. 0.12 min
 Lab File: VL037184.D
 Acq: 17 Jun 2021 00:07

Instrument :
 MSVOA_L
 ClientSampleId :

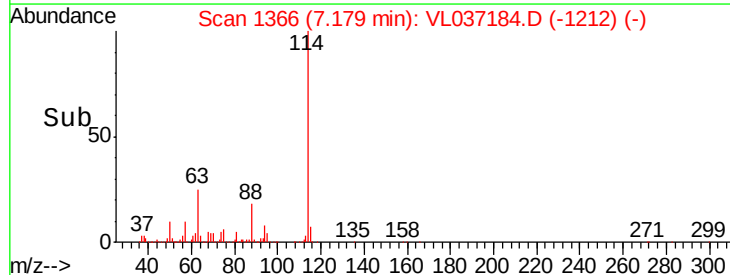
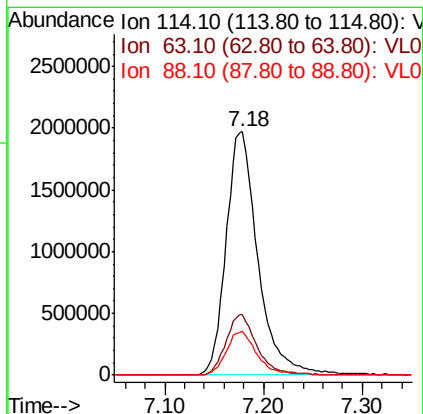
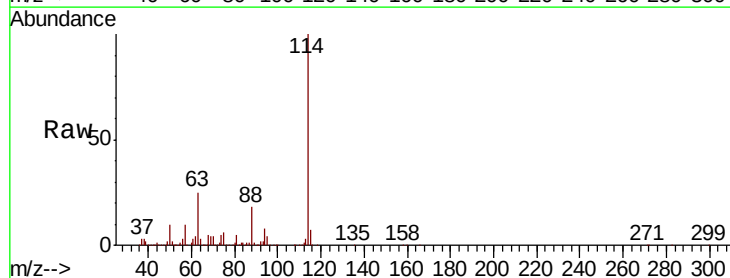
Tot Ion	Ratio	Lower	Upper
61	100		
96	0.6	53.6	80.4#
98	0.0	34.7	52.1#

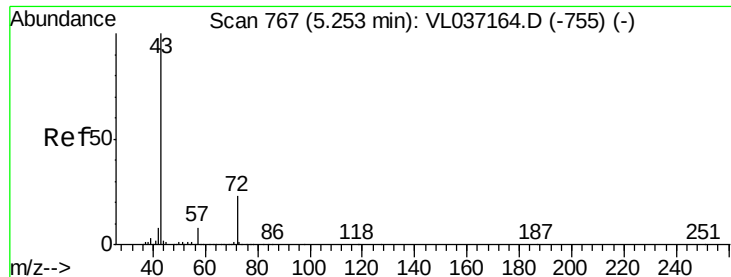


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.01 min
 Lab File: VL037184.D
 Acq: 17 Jun 2021 00:07

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.7	19.6	29.4
88	17.6	14.2	21.2

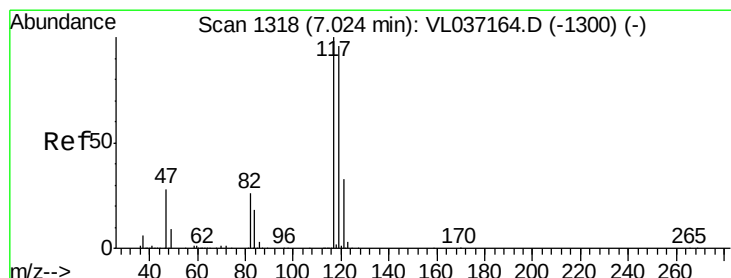
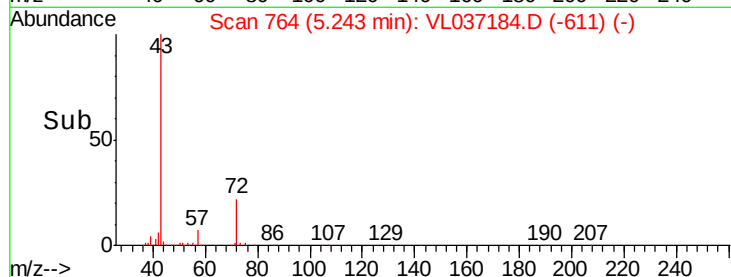
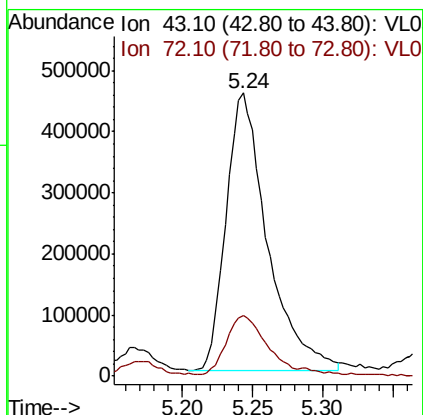
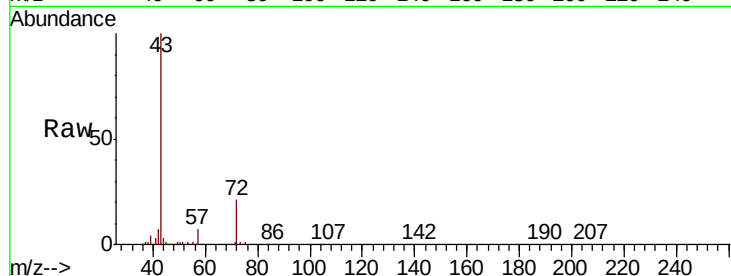




#34
2-Butanone
Concen: 5.407 ppbv
RT: 5.24 min Scan# 764
Delta R.T. -0.01 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

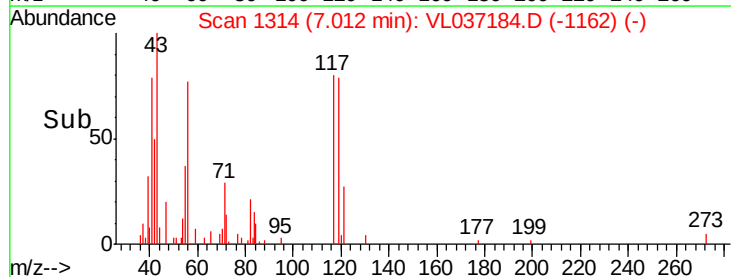
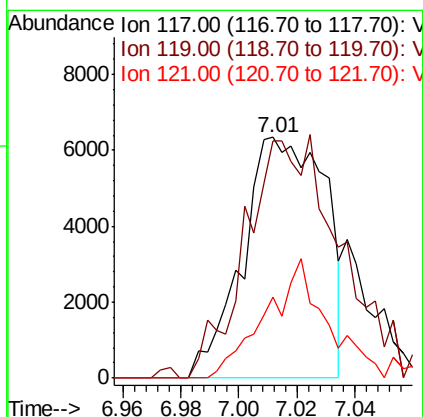
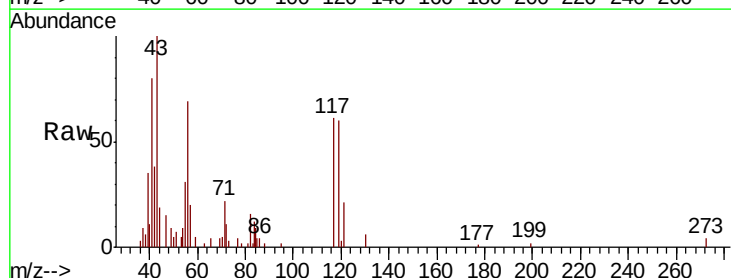
Instrument :
MSVOA_L
ClientSampleId :

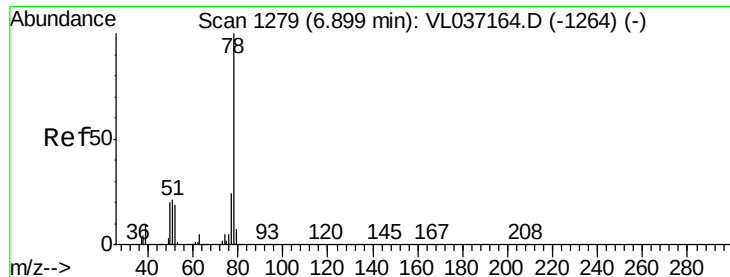
Tot Ion: 43 Resp: 932416
Ion Ratio Lower Upper
43 100
72 23.5 18.9 28.3



#35
Carbon Tetrachloride
Concen: 0.042 ppbv
RT: 7.01 min Scan# 1314
Delta R.T. -0.01 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

Tgt Ion: 117 Resp: 12552
Ion Ratio Lower Upper
117 100
119 98.8 76.6 114.8
121 33.9 26.4 39.6

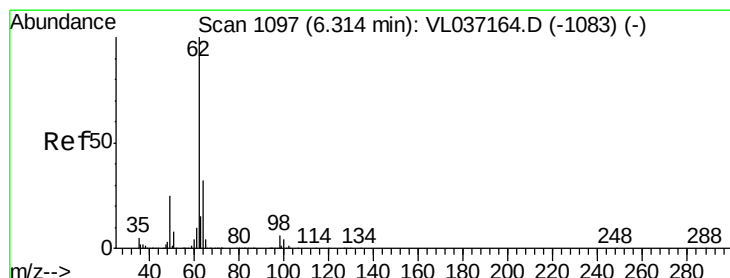
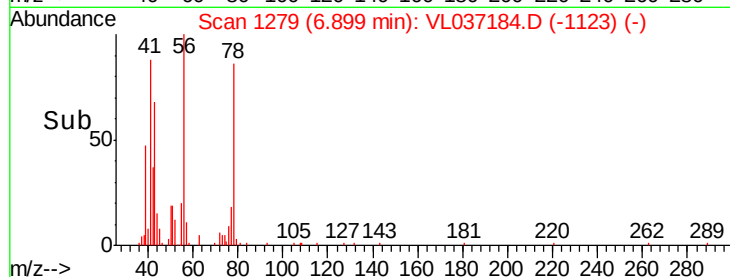
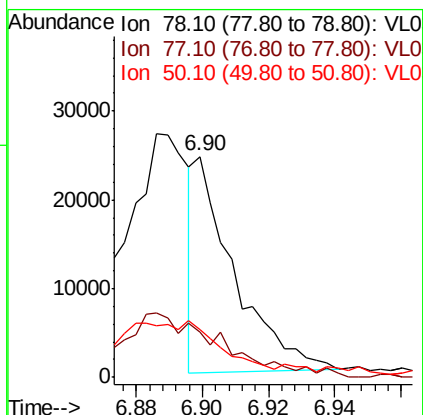
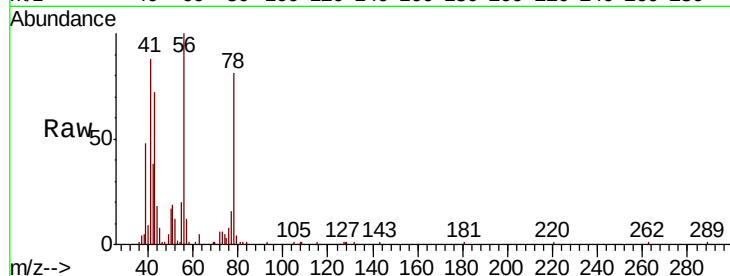




#36
Benzene
Concen: 0.055 ppbv
RT: 6.90 min Scan# 1279
Delta R.T. 0.00 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

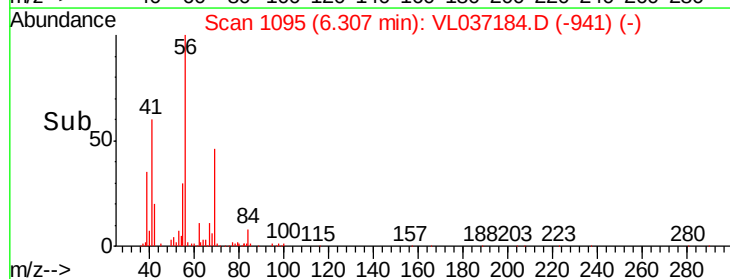
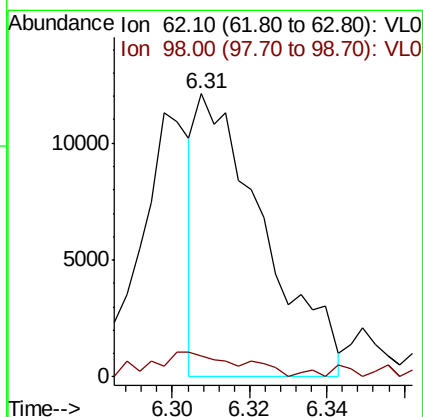
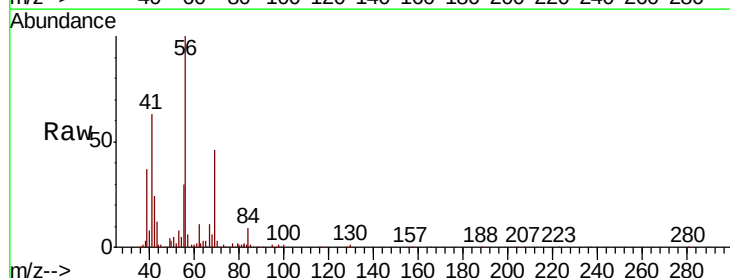
Instrument :
MSVOA_L
ClientSampleId :

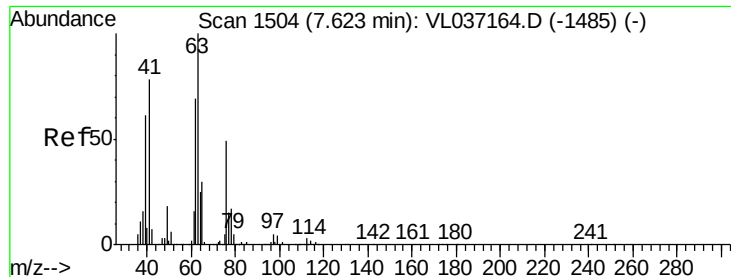
Tot Ion: 78 Resp: 19839
Ion Ratio Lower Upper
78 100
77 20.0 19.0 28.6
50 18.5 15.7 23.5



#37
1,2-Dichloroethane
Concen: 0.070 ppbv
RT: 6.31 min Scan# 1095
Delta R.T. -0.01 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

Tgt Ion: 62 Resp: 14536
Ion Ratio Lower Upper
62 100
98 12.2 5.0 7.6#



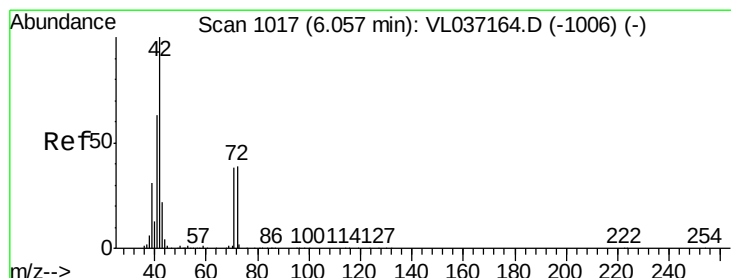
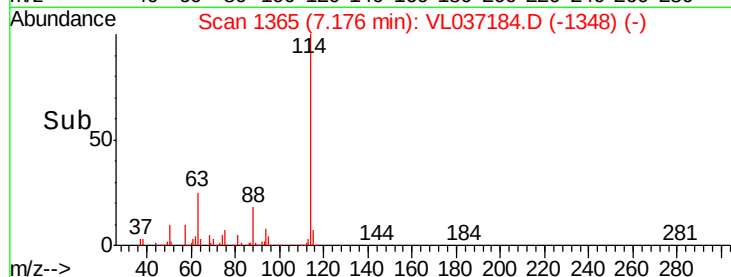
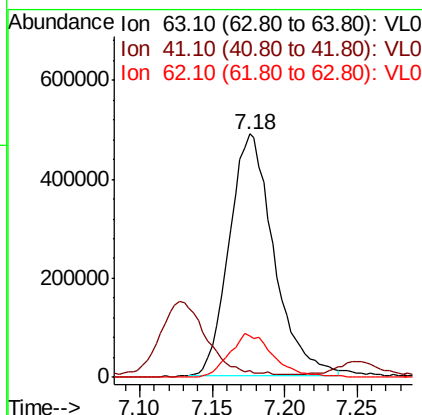
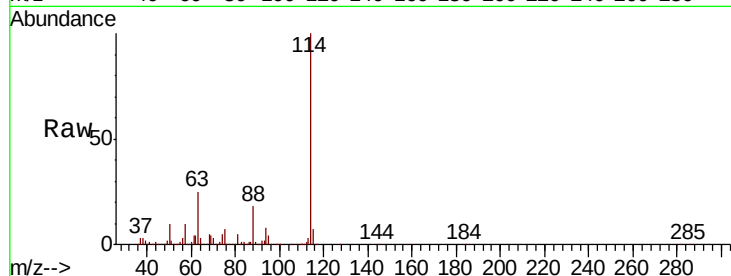


#39
 1,2-Dichloropropane
 Concen: 7.841 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.45 min
 Lab File: VL037184.D
 Acq: 17 Jun 2021 00:07

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1044803

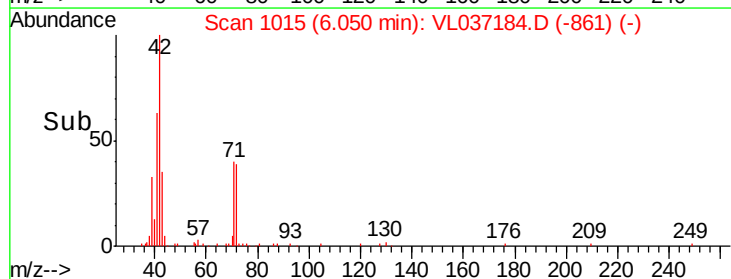
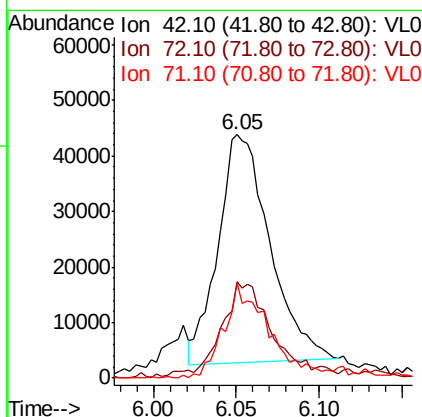
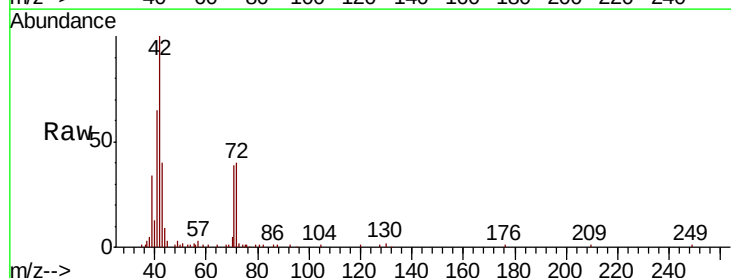
Ion	Ratio	Lower	Upper
63	100		
41	0.0	62.0	93.0#
62	17.0	54.9	82.3#

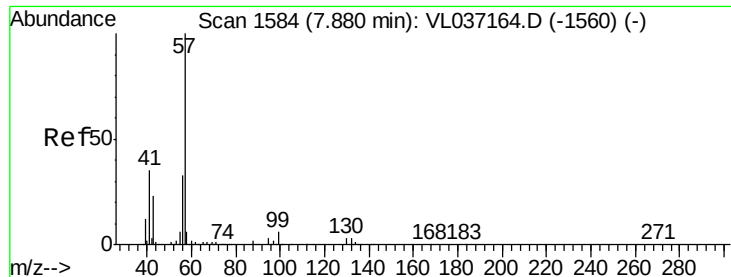


#41
 Tetrahydrofuran
 Concen: 1.114 ppbv
 RT: 6.05 min Scan# 1015
 Delta R.T. -0.01 min
 Lab File: VL037184.D
 Acq: 17 Jun 2021 00:07

Tgt Ion: 42 Resp: 89254

Ion	Ratio	Lower	Upper
42	100		
72	44.1	33.0	49.4
71	39.8	31.0	46.6





#44

2,2,4-Trimethylpentane

Concen: 0.189 ppbv

RT: 7.87 min Scan# 1581

Delta R.T. -0.01 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

Instrument :

MSVOA_L

ClientSampleId :

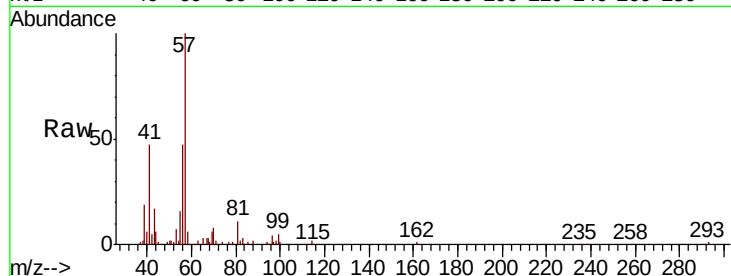
Tot Ion: 57 Resp: 114387

Ion Ratio Lower Upper

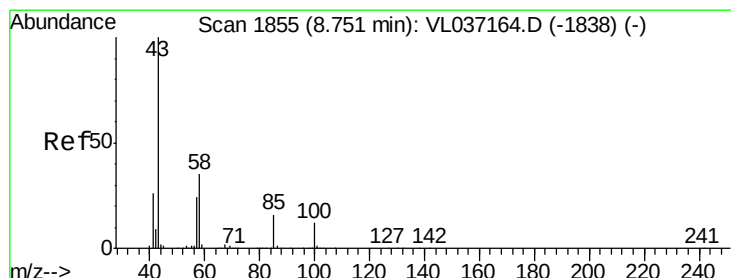
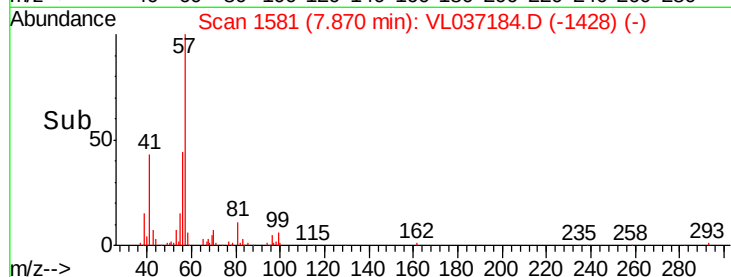
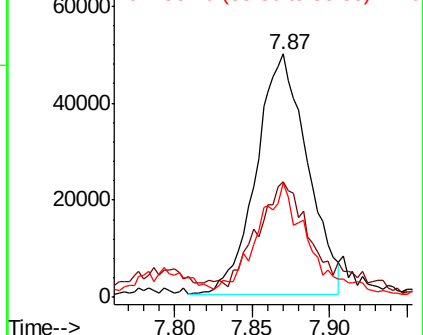
57 100

41 53.4 27.6 41.4#

56 45.6 25.3 37.9#



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



#50

4-Methyl-2-Pentanone

Concen: 0.051 ppbv

RT: 8.74 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL037184.D

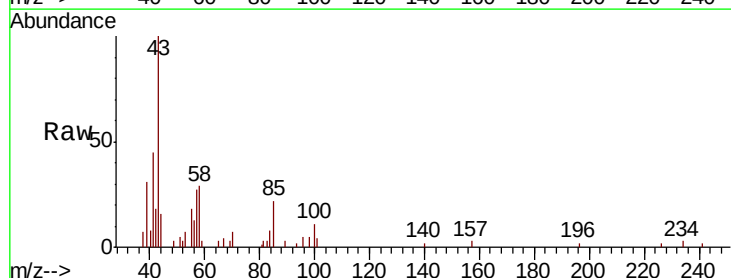
Acq: 17 Jun 2021 00:07

Tgt Ion: 43 Resp: 12192

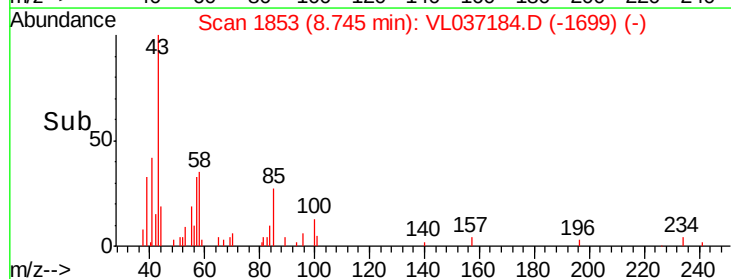
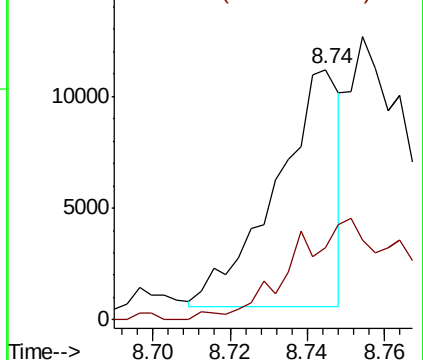
Ion Ratio Lower Upper

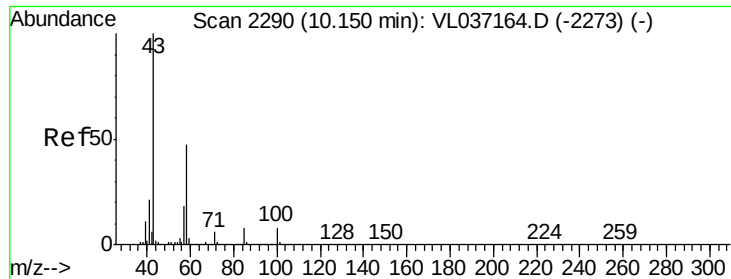
43 100

58 0.0 28.4 42.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 58.10 (57.80 to 58.80): VL0

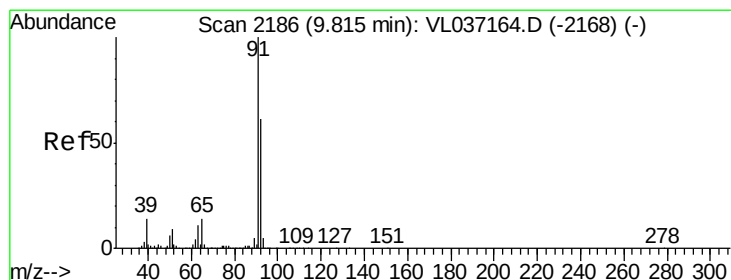
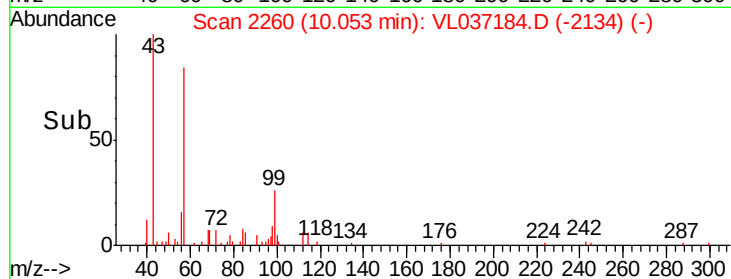
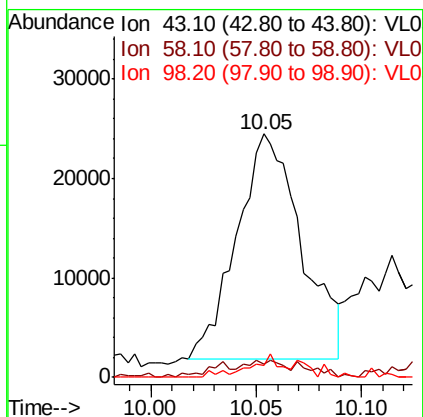
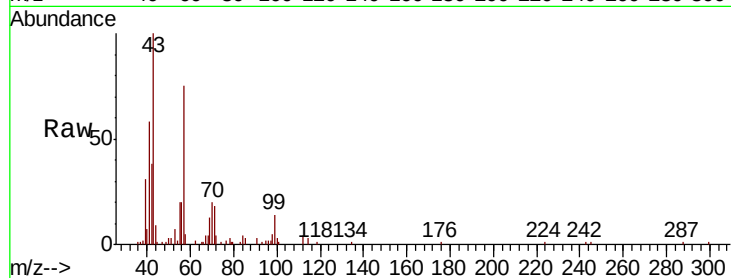




#51
2-Hexanone
Concen: 0.417 ppbv
RT: 10.05 min Scan# 2260
Delta R.T. -0.10 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

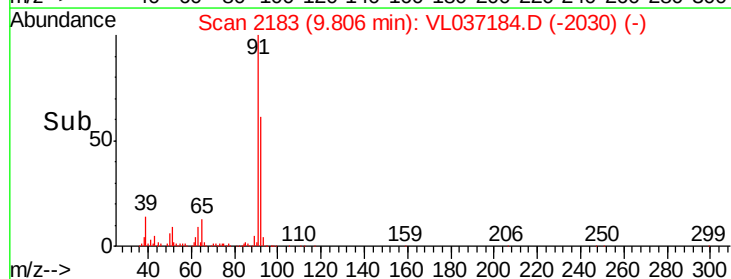
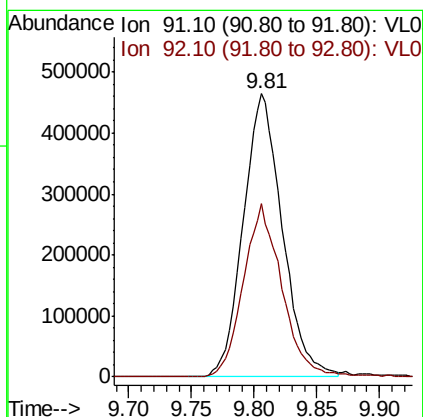
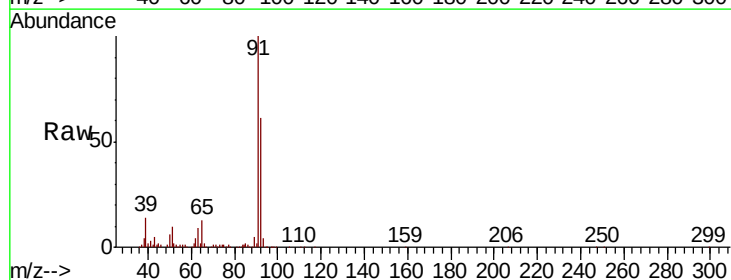
Instrument :
MSVOA_L
ClientSampleId :

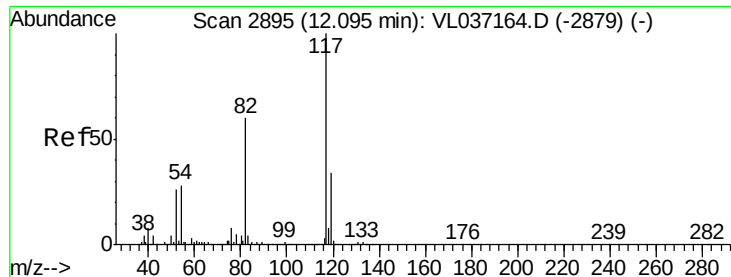
Tot Ion: 43 Resp: 48045
Ion Ratio Lower Upper
43 100
58 9.9 38.4 57.6#
98 7.4 0.3 0.5#



#53
Toluene
Concen: 2.351 ppbv
RT: 9.81 min Scan# 2183
Delta R.T. -0.01 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

Tgt Ion: 91 Resp: 1007010
Ion Ratio Lower Upper
91 100
92 60.4 48.3 72.5

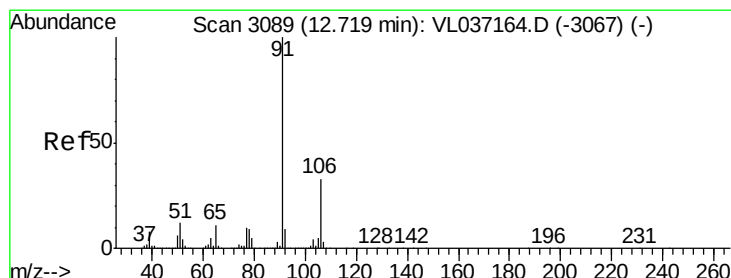
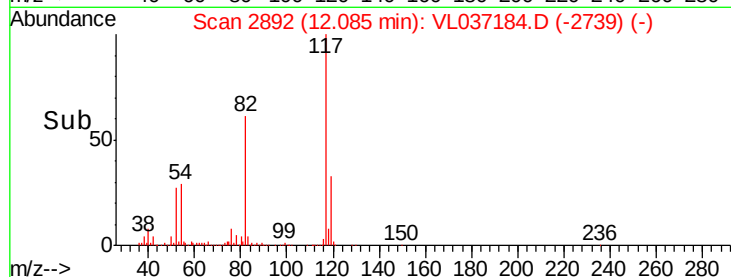
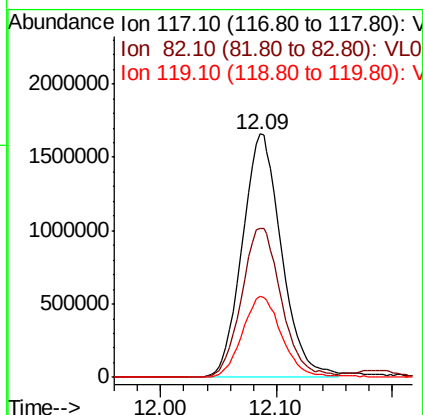
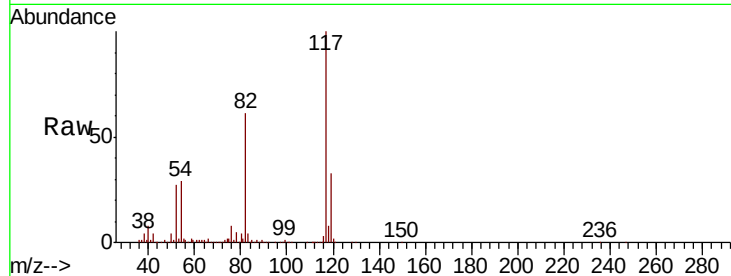




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2892
Delta R.T. -0.01 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

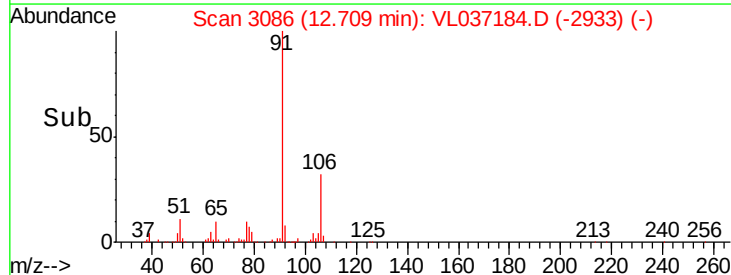
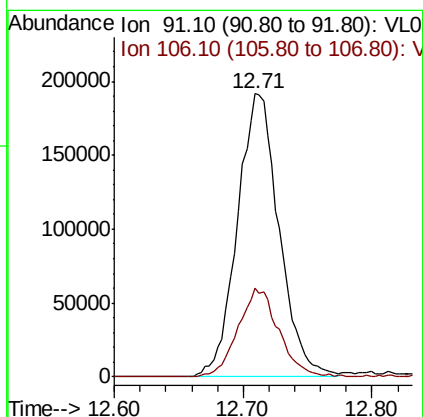
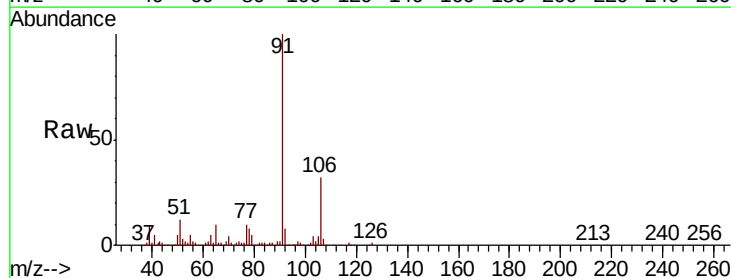
Instrument :
MSVOA_L
ClientSampleId :

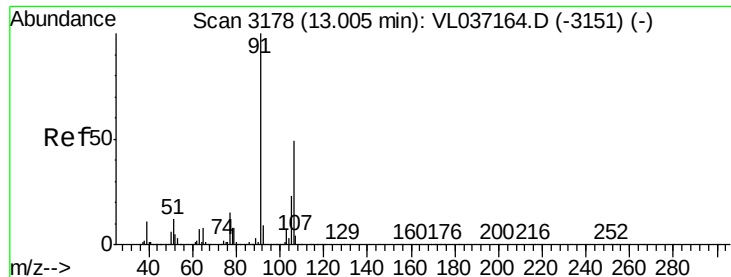
Tot Ion:117 Resp: 3904371
Ion Ratio Lower Upper
117 100
82 62.4 51.7 77.5
119 34.0 47.6 71.4#



#58
Ethyl Benzene
Concen: 0.802 ppbv
RT: 12.71 min Scan# 3086
Delta R.T. -0.01 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

Tgt Ion: 91 Resp: 430881
Ion Ratio Lower Upper
91 100
106 31.5 26.3 39.5





#59

m/p-Xylene

Concen: 2.813 ppbv

RT: 12.97 min Scan# 3167

Delta R.T. -0.04 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

Instrument :

MSVOA_L

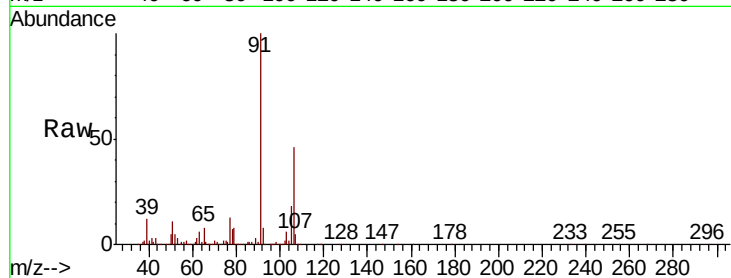
ClientSampleId :

Tot Ion: 91 Resp: 1281244

Ion Ratio Lower Upper

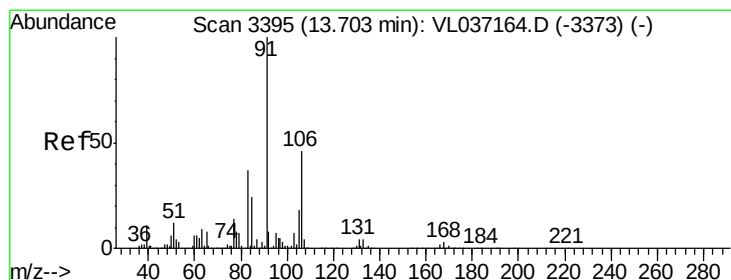
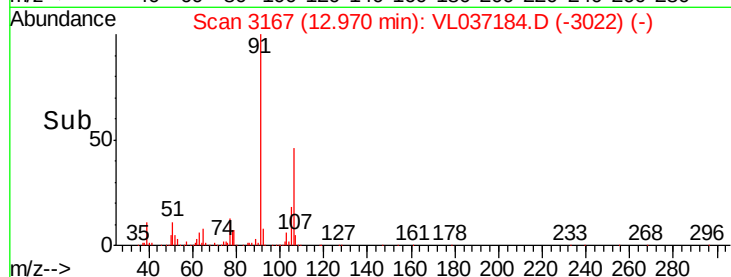
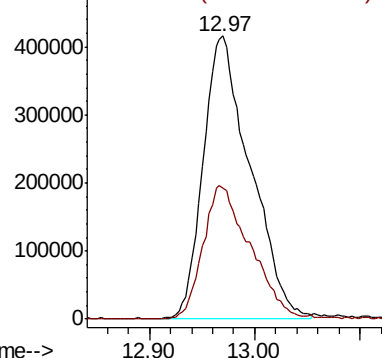
91 100

106 47.8 37.0 55.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 1.316 ppbv

RT: 13.69 min Scan# 3392

Delta R.T. -0.01 min

Lab File: VL037184.D

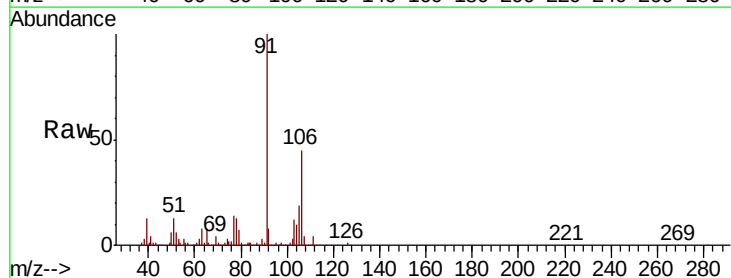
Acq: 17 Jun 2021 00:07

Tgt Ion: 91 Resp: 570876

Ion Ratio Lower Upper

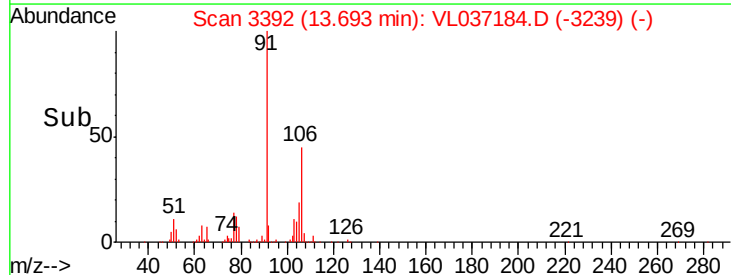
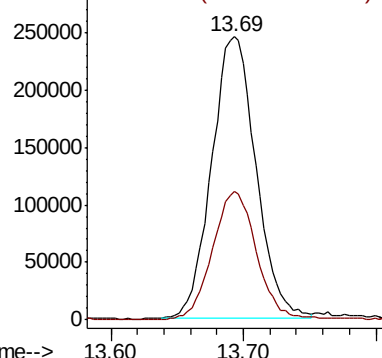
91 100

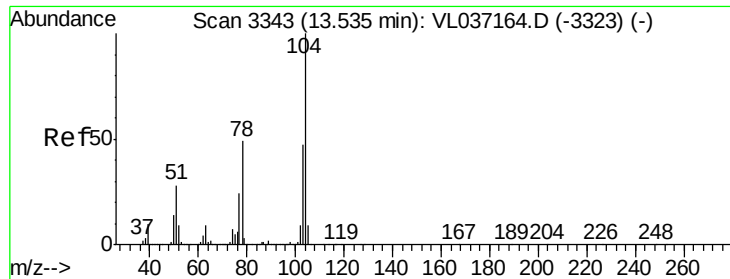
106 45.4 23.0 69.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 28.601 ppbv

RT: 13.53 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

Instrument :

MSVOA_L

ClientSampleId :

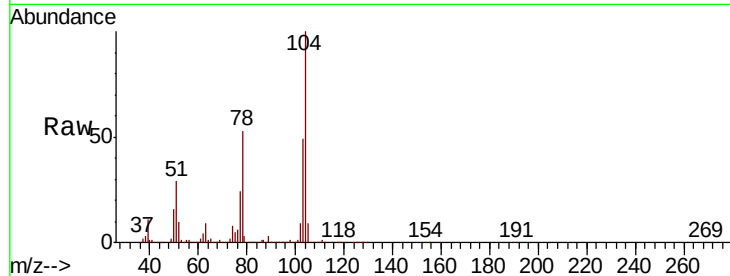
Tot Ion:104 Resp: 6402125

Ion Ratio Lower Upper

104 100

78 52.9 39.7 59.5

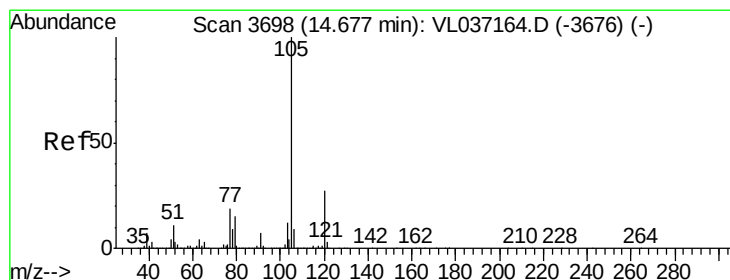
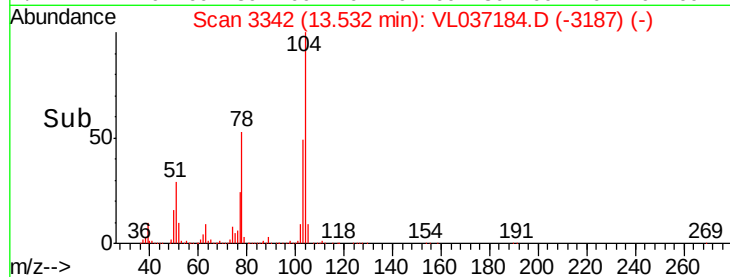
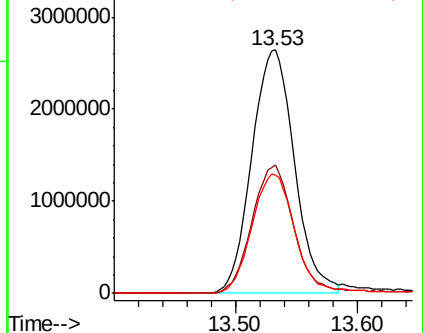
103 50.2 37.6 56.4



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VL0

Ion 103.10 (102.80 to 103.80): V



#62

Isopropylbenzene

Concen: 0.221 ppbv

RT: 14.67 min Scan# 3695

Delta R.T. -0.01 min

Lab File: VL037184.D

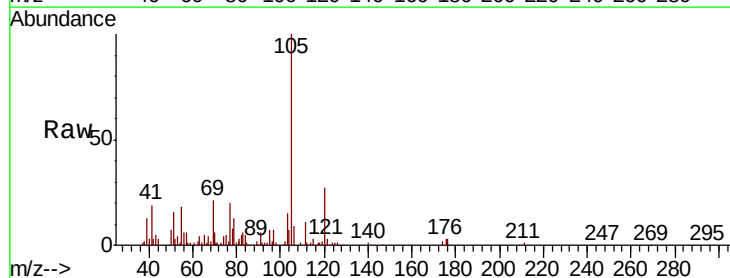
Acq: 17 Jun 2021 00:07

Tgt Ion:105 Resp: 136489

Ion Ratio Lower Upper

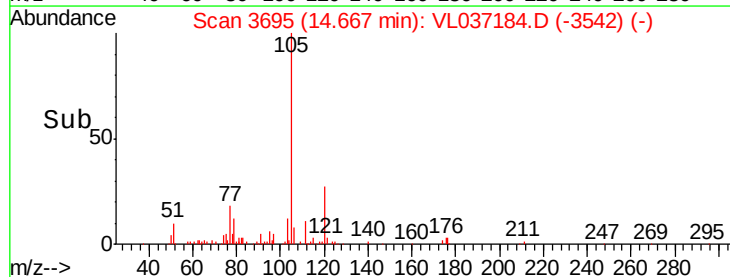
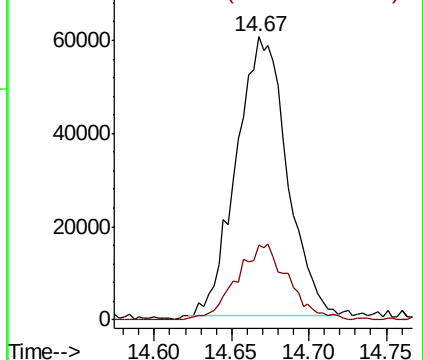
105 100

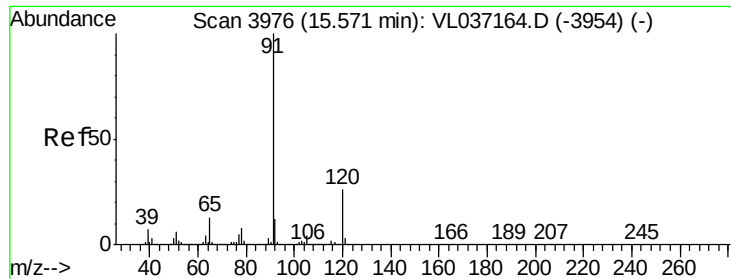
120 27.9 21.6 32.4



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#64

n-propylbenzene

Concen: 0.237 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

Instrument :

MSVOA_L

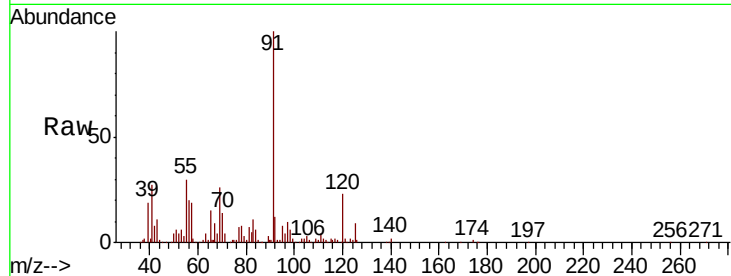
ClientSampleId :

Tot Ion:120 Resp: 36586

Ion Ratio Lower Upper

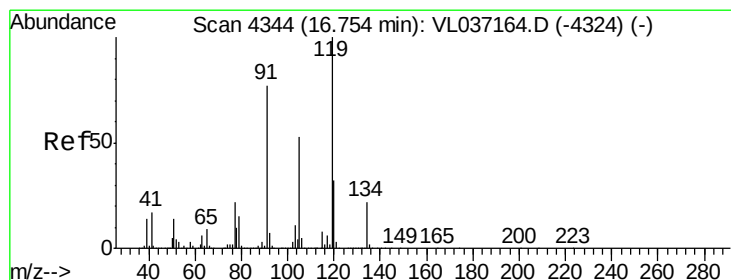
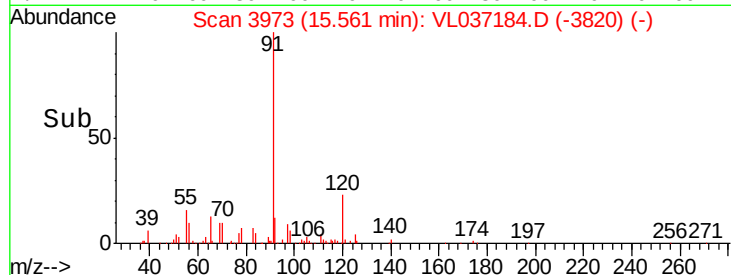
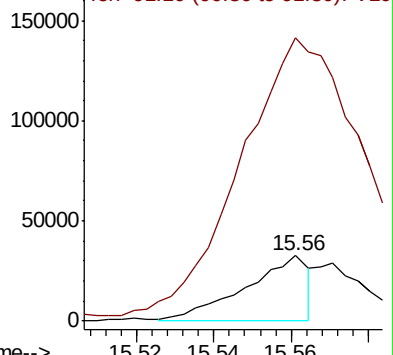
120 100

91 900.3 343.3 514.9#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0



#65

tert-Butylbenzene

Concen: 0.143 ppbv

RT: 16.76 min Scan# 4347

Delta R.T. 0.01 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

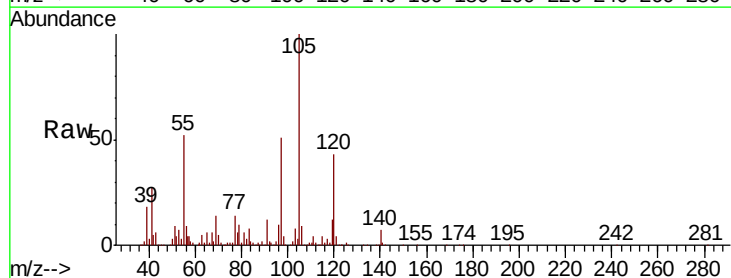
Tgt Ion:119 Resp: 78402

Ion Ratio Lower Upper

119 100

91 167.7 62.6 93.8#

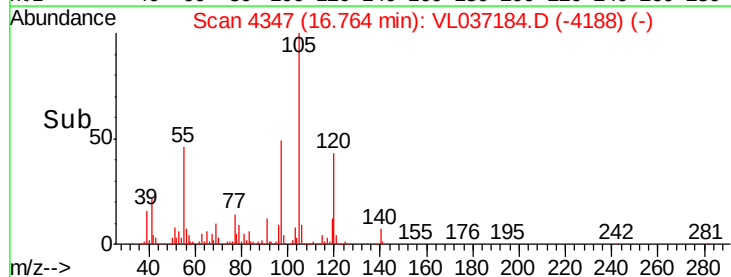
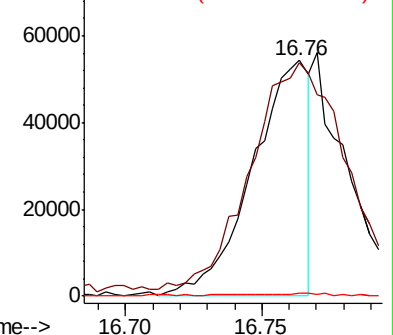
134 2.1 16.2 24.4#

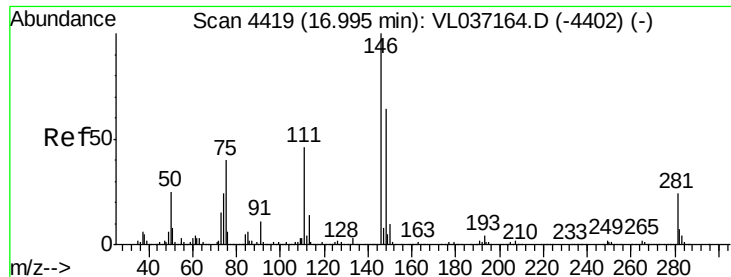


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

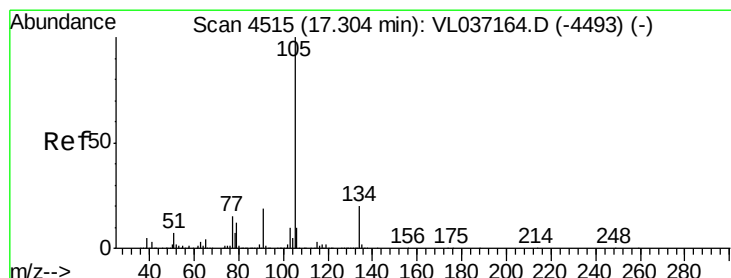
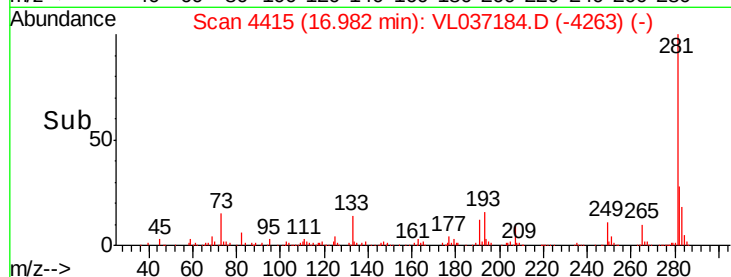
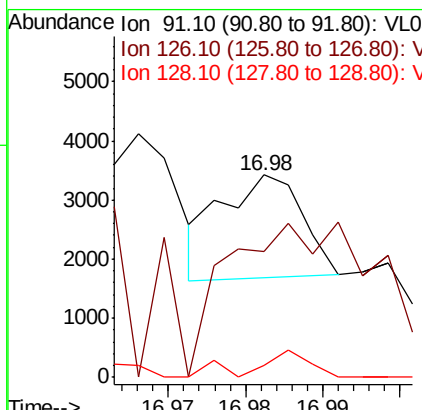
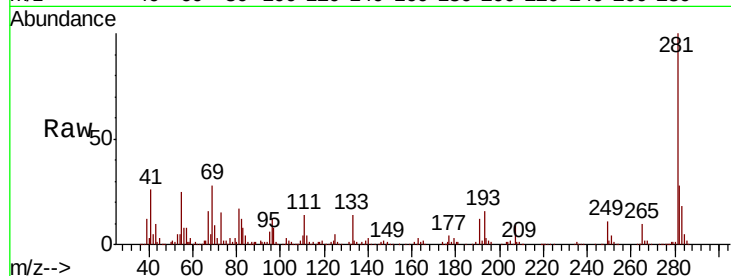




#66
Benzyl Chloride
Concen: 0.055 ppbv
RT: 16.98 min Scan# 4415
Delta R.T. -0.01 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

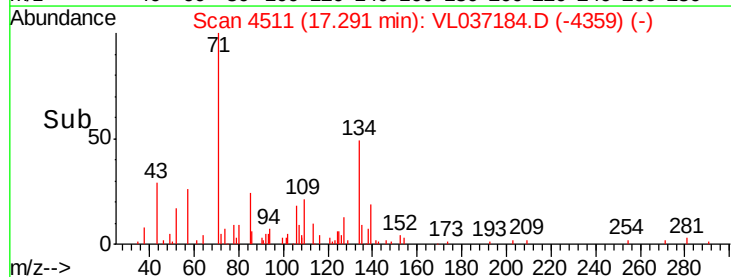
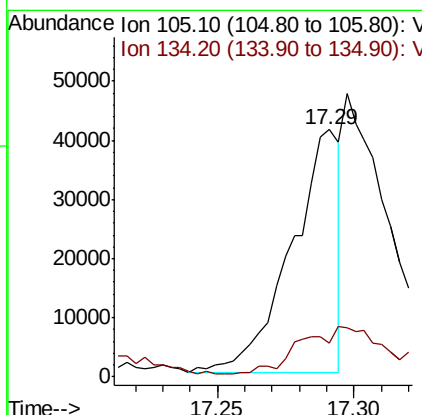
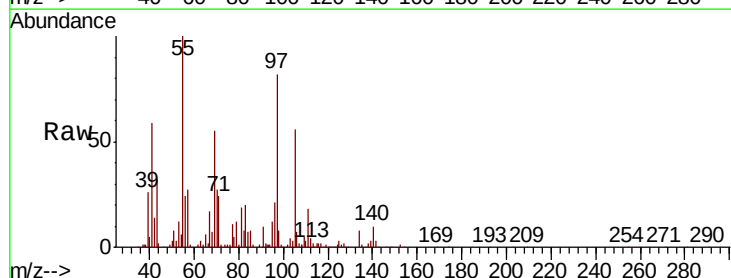
Instrument :
MSVOA_L
ClientSampled :

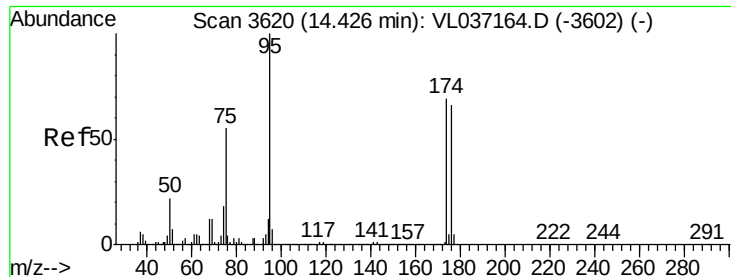
Tot Ion: 91 Resp: 1276
Ion Ratio Lower Upper
91 100
126 317.9 15.5 23.3#
128 28.3 5.7 8.5#



#67
sec-Butylbenzene
Concen: 0.070 ppbv
RT: 17.29 min Scan# 4511
Delta R.T. -0.01 min
Lab File: VL037184.D
Acq: 17 Jun 2021 00:07

Tgt Ion:105 Resp: 50694
Ion Ratio Lower Upper
105 100
134 18.3 15.8 23.6

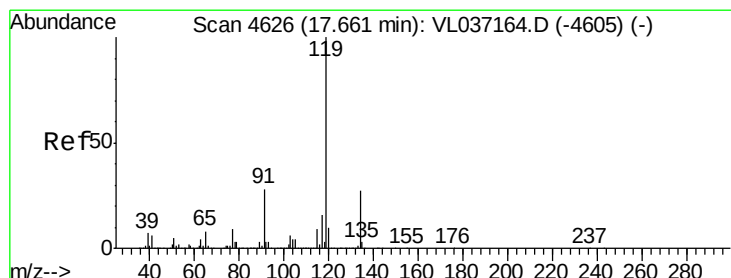
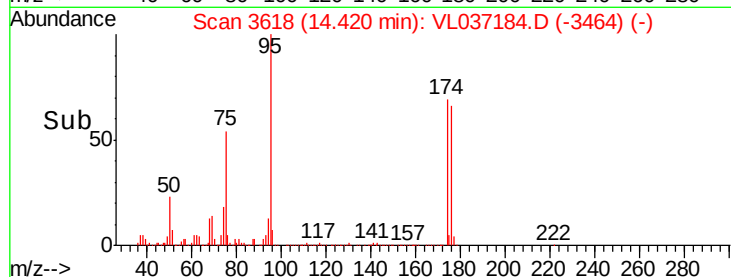
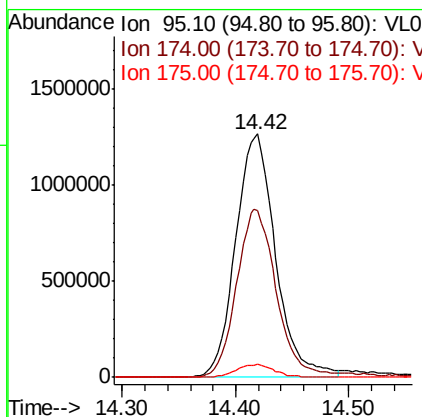
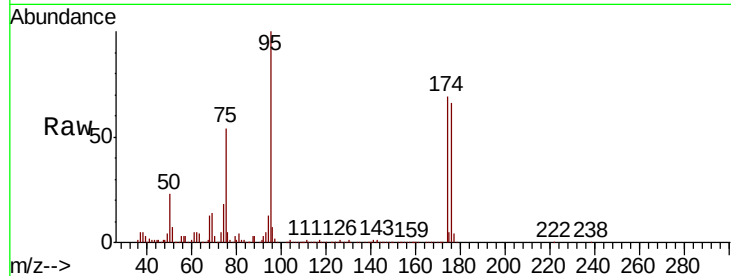




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.491 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. -0.01 min
 Lab File: VL037184.D
 Acq: 17 Jun 2021 00:07

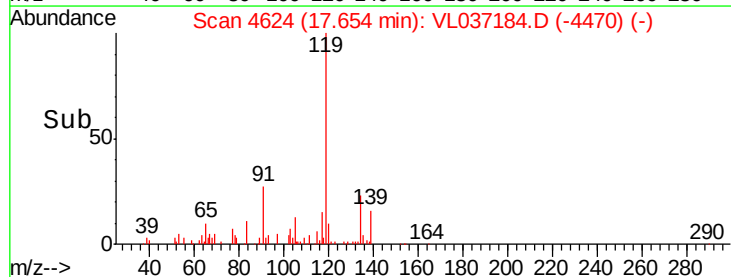
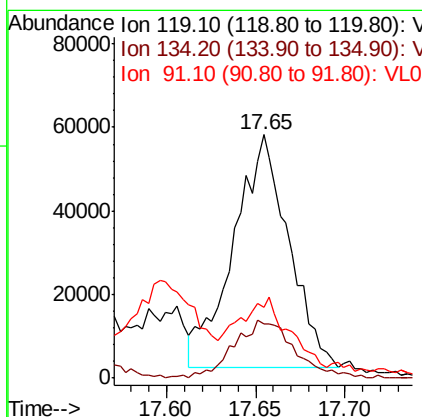
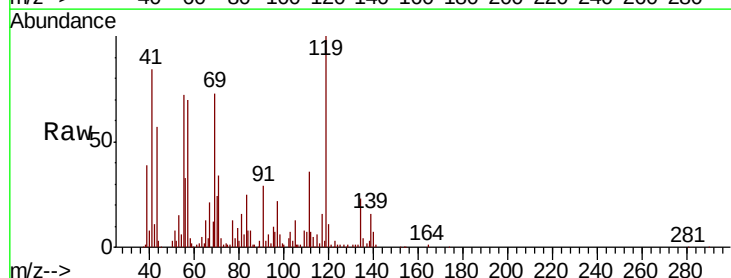
Instrument :
 MSVOA_L
 ClientSampleId :

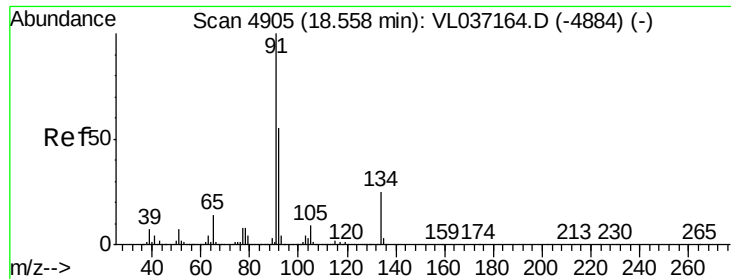
Tot Ion: 95 Resp: 3103773
 Ion Ratio Lower Upper
 95 100
 174 71.7 57.0 85.4
 175 5.4 4.4 6.6



#69
 p-Isopropyltoluene
 Concen: 0.195 ppbv
 RT: 17.65 min Scan# 4624
 Delta R.T. -0.01 min
 Lab File: VL037184.D
 Acq: 17 Jun 2021 00:07

Tgt Ion: 119 Resp: 120266
 Ion Ratio Lower Upper
 119 100
 134 27.5 20.9 31.3
 91 32.9 22.6 34.0





#70

n-Butylbenzene

Concen: 0.181 ppbv

RT: 18.55 min Scan# 4904

Delta R.T. -0.00 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

Instrument :

MSVOA_L

ClientSampled :

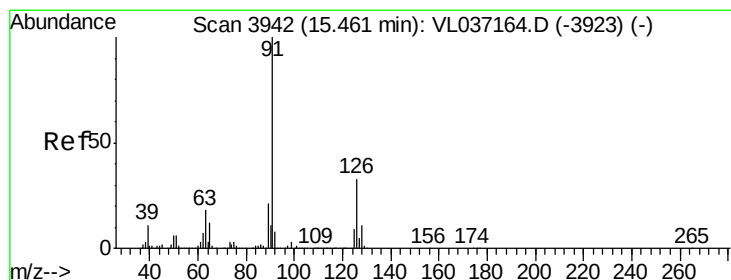
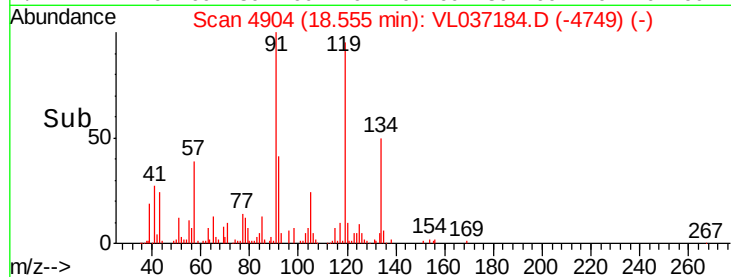
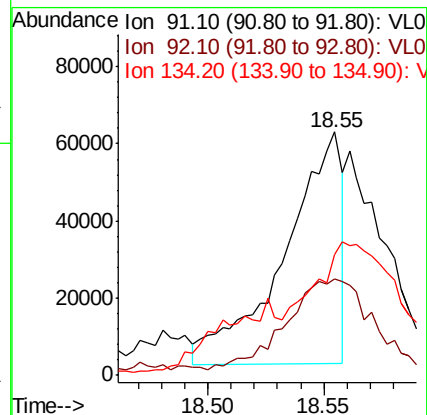
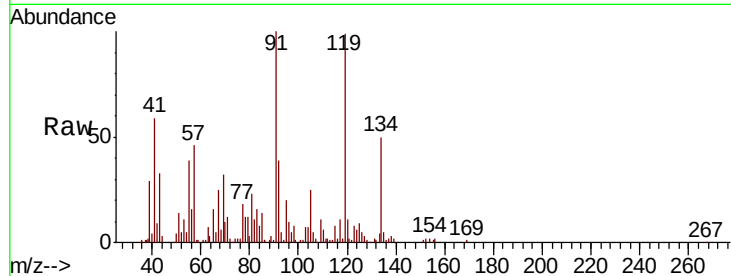
Tot Ion: 91 Resp: 103253

Ion Ratio Lower Upper

91 100

92 71.8 44.0 66.0#

134 0.0 20.2 30.4#



#71

2-Chlorotoluene

Concen: 0.724 ppbv

RT: 15.56 min Scan# 3973

Delta R.T. 0.10 min

Lab File: VL037184.D

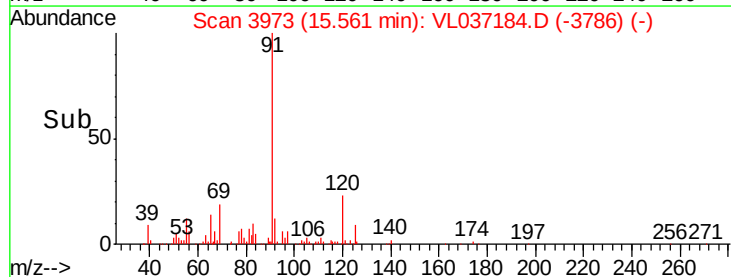
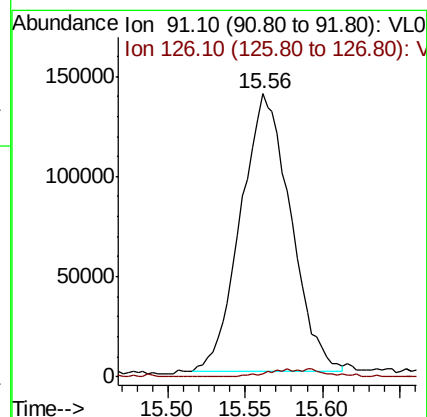
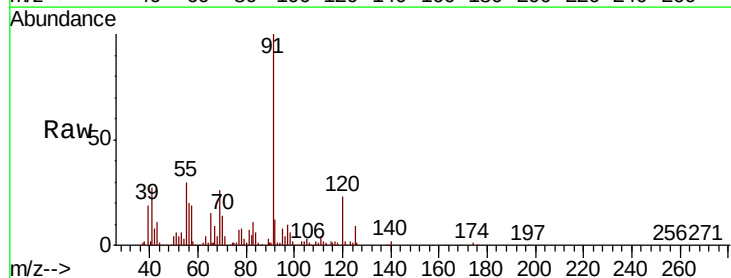
Acq: 17 Jun 2021 00:07

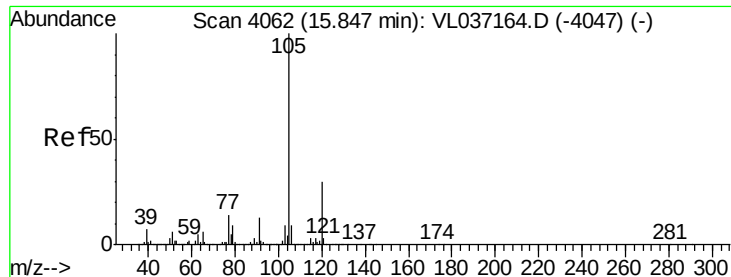
Tgt Ion: 91 Resp: 312093

Ion Ratio Lower Upper

91 100

126 3.2 13.5 54.1#





#72

4-Ethyltoluene

Concen: 0.349 ppbv

RT: 15.84 min Scan# 4059

Delta R.T. -0.01 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 171823

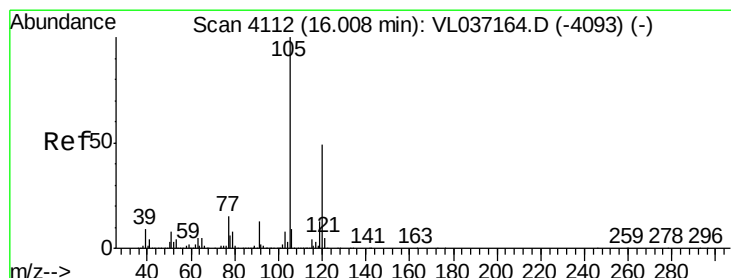
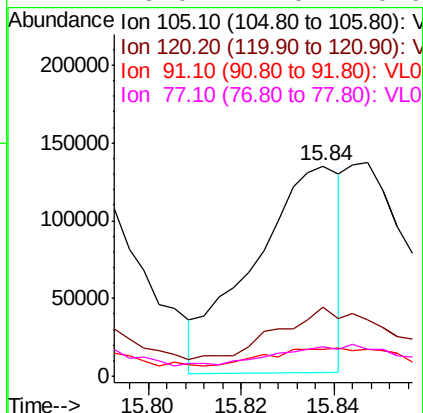
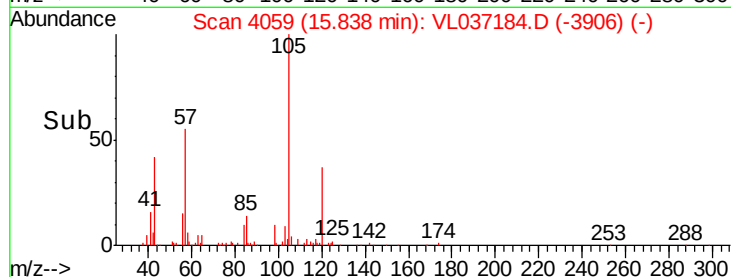
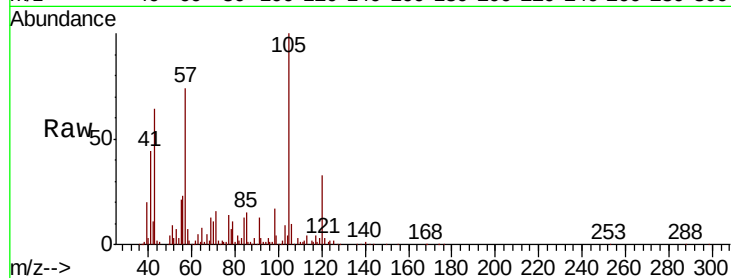
Ion Ratio Lower Upper

105 100

120 59.0 24.7 37.1#

91 0.0 10.2 15.4#

77 0.0 11.0 16.6#



#73

1,3,5-Trimethylbenzene

Concen: 0.784 ppbv

RT: 16.00 min Scan# 4109

Delta R.T. -0.01 min

Lab File: VL037184.D

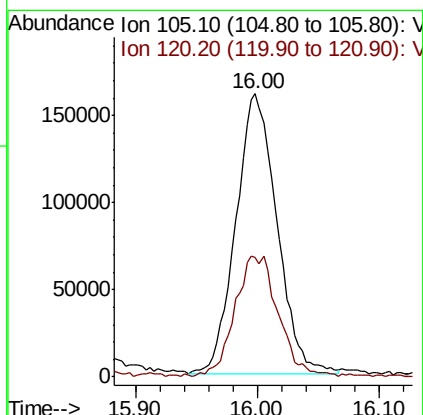
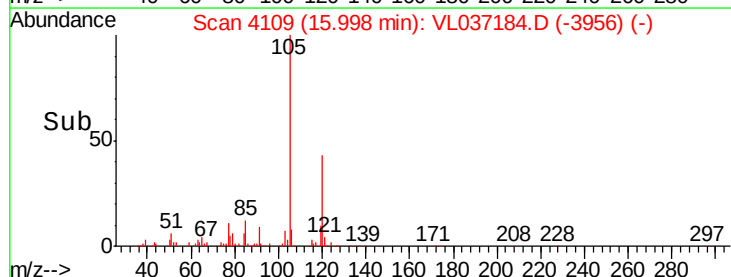
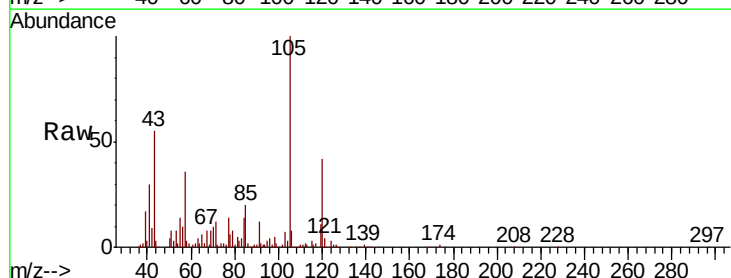
Acq: 17 Jun 2021 00:07

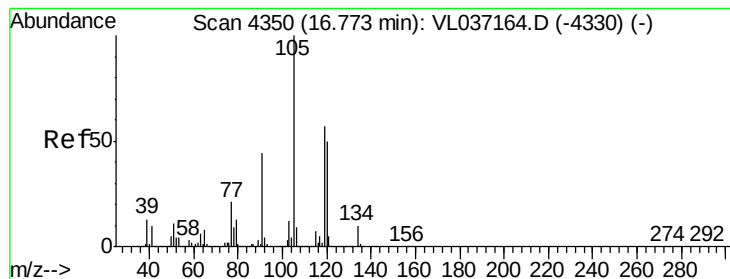
Tgt Ion:105 Resp: 373386

Ion Ratio Lower Upper

105 100

120 42.5 39.4 59.2





#74

1,2,4-Trimethylbenzene

Concen: 2.235 ppbv

RT: 16.76 min Scan# 4346

Delta R.T. -0.01 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:105 Resp: 1096646

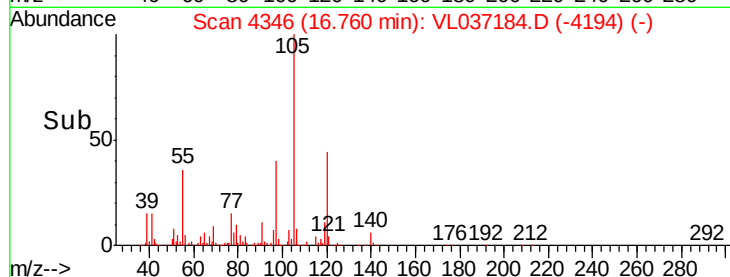
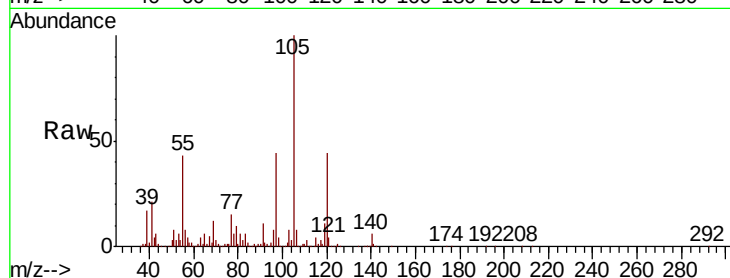
Ion Ratio Lower Upper

105 100

120 43.9 39.8 59.8

91 10.5 37.0 55.4#

77 14.4 17.0 25.4#

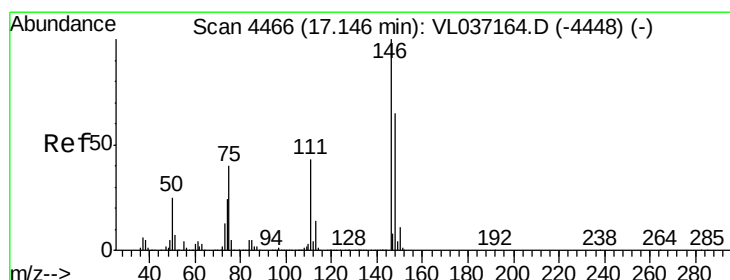
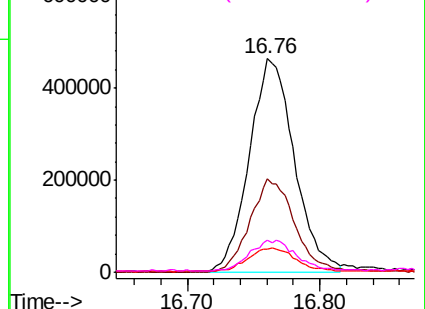


Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0



#76

1,4-Dichlorobenzene

Concen: 0.092 ppbv

RT: 17.13 min Scan# 4462

Delta R.T. -0.01 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

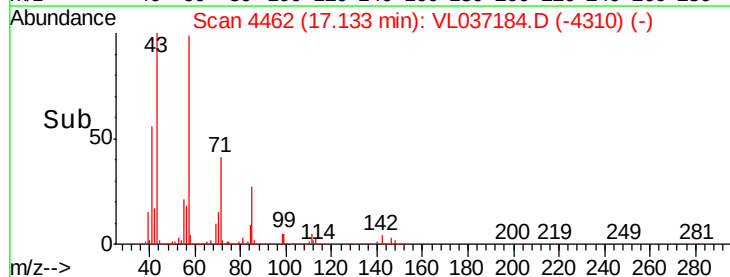
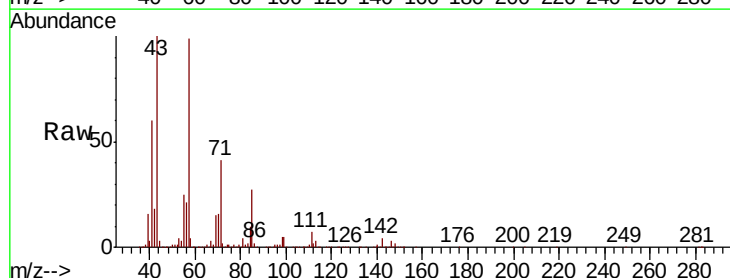
Tgt Ion:146 Resp: 27369

Ion Ratio Lower Upper

146 100

111 0.0 22.7 68.0#

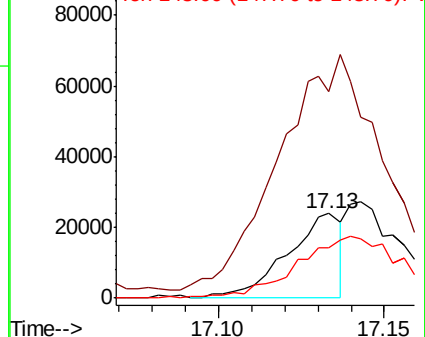
148 0.0 33.7 101.1#

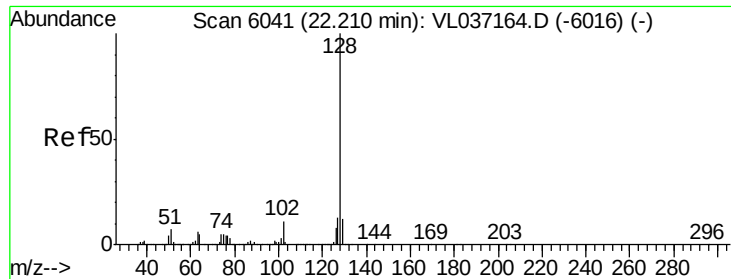


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V





#79

Naphthalene

Concen: 0.089 ppbv

RT: 22.20 min Scan# 6039

Delta R.T. -0.01 min

Lab File: VL037184.D

Acq: 17 Jun 2021 00:07

Instrument :

MSVOA_L

ClientSampleId :

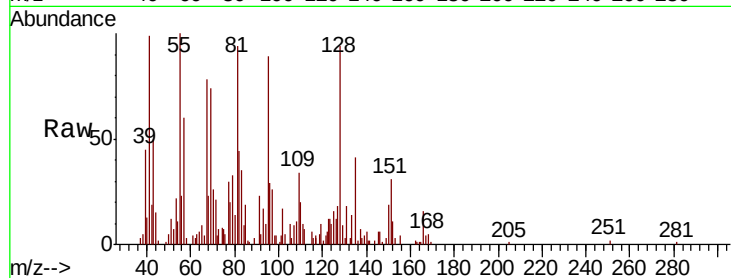
Tot Ion:128 Resp: 36312

Ion Ratio Lower Upper

128 100

127 11.6 10.7 16.1

129 10.0 9.3 13.9



Abundance

Ion 128.10 (127.80 to 128.80): V

Ion 127.10 (126.80 to 127.80): V

Ion 129.10 (128.80 to 129.80): V

