

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037070.D
 Acq On : 1 Jun 2021 15:06
 Operator : SY/AP
 Sample : M2559-02 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 02 03:00:26 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1617572	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4856280	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	4455180	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	3419571	10.22	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.20%

Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.03	85	26932	0.098 ppbv	99
3) Chlorodifluoromethane	2.98	51	20194	0.068 ppbv	94
4) Chloromethane	3.13	50	10072	0.100 ppbv	94
9) Propene	3.19	41	232363	2.190 ppbv	95
10) Heptane	8.11	43	5438802	20.566 ppbv	99
11) Trichlorofluoromethane	3.94	101	10709	0.042 ppbv	91
13) Ethanol	3.60	45	658553	46.513 ppbv	92
15) Acetone	3.83	43	5400126	32.593 ppbv	94
16) 1,3-Butadiene	3.29	39	22319	0.217 ppbv #	10
17) tert-Butyl alcohol	4.30	59	138188	0.911 ppbv #	90
19) Isopropyl Alcohol	3.97	45	99950	1.122 ppbv #	30
20) Methylene Chloride	4.33	84	2878061	32.406 ppbv	97
21) Allyl Chloride	4.33	41	91041	0.728 ppbv #	84
23) Vinyl Acetate	5.04	43	90083	0.343 ppbv #	1
25) Ethyl Acetate	5.67	43	2008048	5.044 ppbv #	77
26) Hexane	5.67	57	2889226	14.205 ppbv #	47
30) Cyclohexane	7.11	84	109894	0.636 ppbv #	1
34) 2-Butanone	5.23	43	80594	0.456 ppbv #	79
36) Benzene	6.87	78	216530	0.518 ppbv	97
39) 1,2-Dichloropropane	7.48	63	11473	0.071 ppbv #	1
41) Tetrahydrofuran	6.31	42	126657	1.258 ppbv #	37
42) Bromodichloromethane	7.77	83	114946	0.366 ppbv #	25
43) Methyl Methacrylate	8.11	69	33795	0.234 ppbv #	1
44) 2,2,4-Trimethylpentane	7.85	57	260412	0.363 ppbv #	1
50) 4-Methyl-2-Pentanone	8.74	43	457953	1.569 ppbv	99
51) 2-Hexanone	10.11	43	5996	0.039 ppbv #	27
53) Toluene	9.79	91	9952068	19.995 ppbv	97
58) Ethyl Benzene	12.69	91	598113	0.951 ppbv	95
59) m/p-Xylene	12.95	91	1759485	3.385 ppbv	98
60) o-Xylene	13.67	91	626294	1.263 ppbv	97
61) Styrene	13.51	104	12879	0.046 ppbv #	1
62) Isopropylbenzene	14.65	105	490370	0.688 ppbv	99
64) n-propylbenzene	15.54	120	11039	0.060 ppbv #	1
65) tert-Butylbenzene	16.74	119	64447	0.100 ppbv #	57
66) Benzyl Chloride	16.87	91	1289	0.036 ppbv #	1
69) p-Isopropyltoluene	17.64	119	548416	0.727 ppbv	95
70) n-Butylbenzene	18.54	91	30482	0.043 ppbv #	1
72) 4-Ethyltoluene	15.81	105	62469	0.106 ppbv #	41
73) 1,3,5-Trimethylbenzene	15.98	105	145763	0.264 ppbv #	82
74) 1,2,4-Trimethylbenzene	16.74	105	596579	1.044 ppbv #	72

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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration

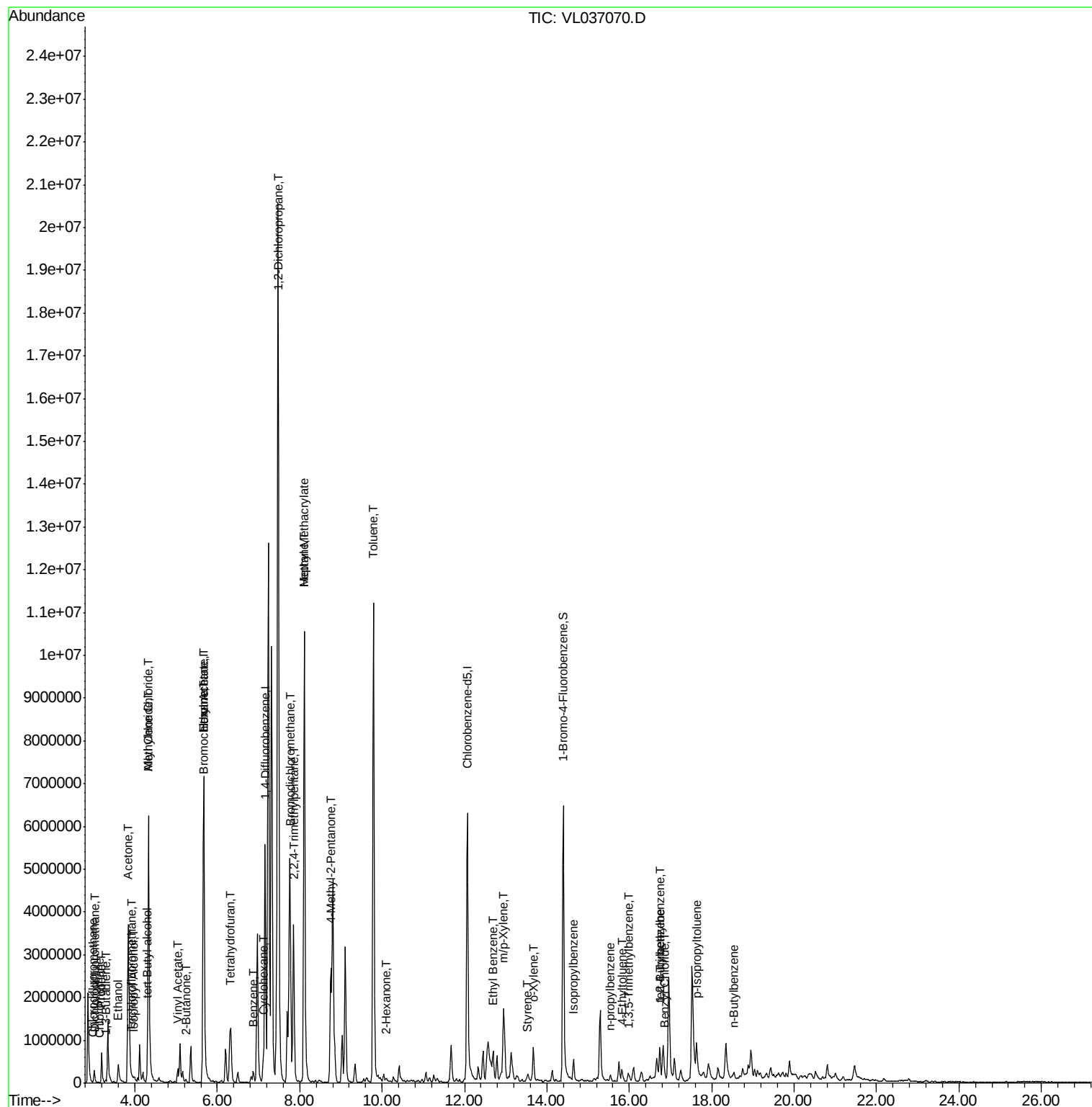
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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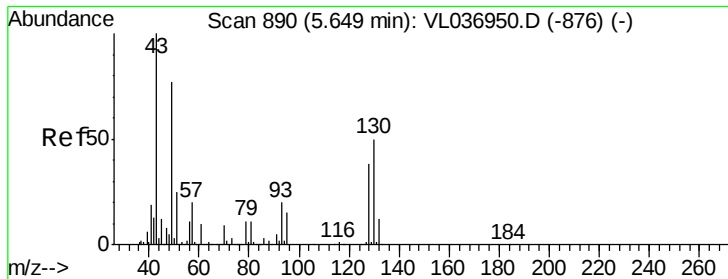
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

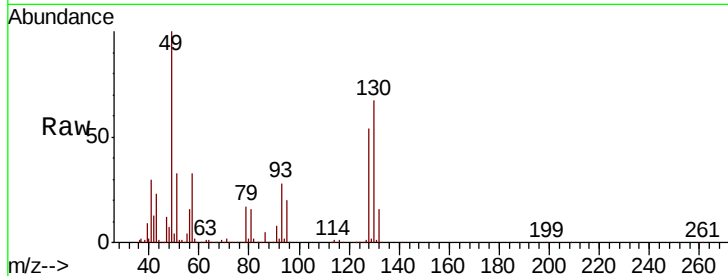
Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1617572

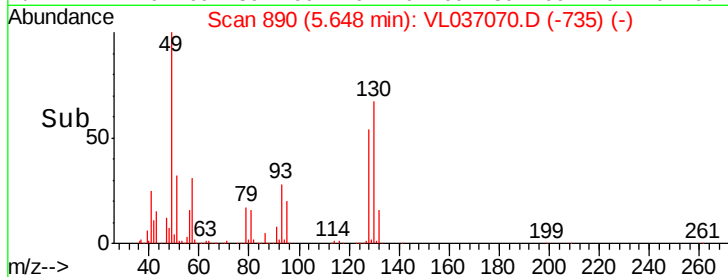
Ion	Ratio	Lower	Upper
49	100		
128	56.4	26.9	80.7
130	71.7	33.8	101.4



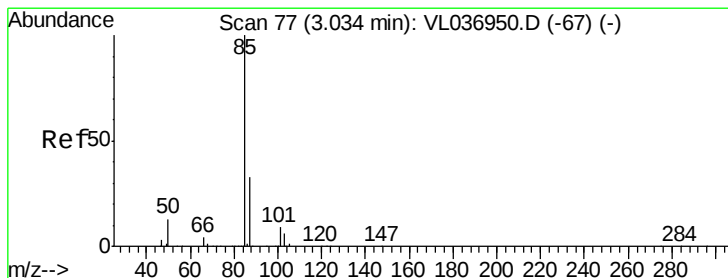
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 0.098 ppbv

RT: 3.03 min Scan# 77

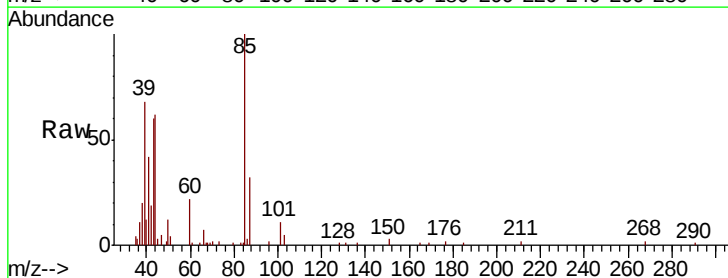
Delta R.T. -0.00 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

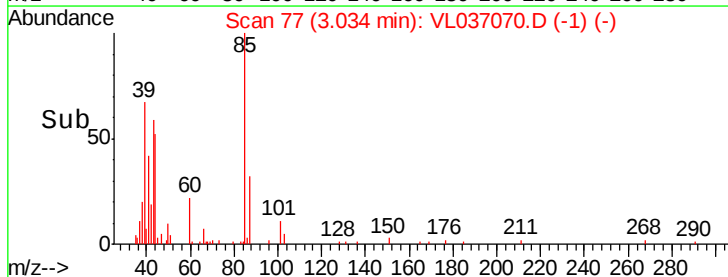
Tgt Ion: 85 Resp: 26932

Ion	Ratio	Lower	Upper
85	100		
87	32.4	26.6	39.8

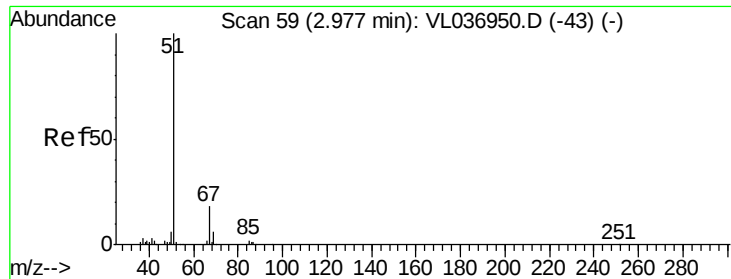


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 0.068 ppbv

RT: 2.98 min Scan# 59

Delta R.T. -0.00 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

Instrument :

MSVOA_L

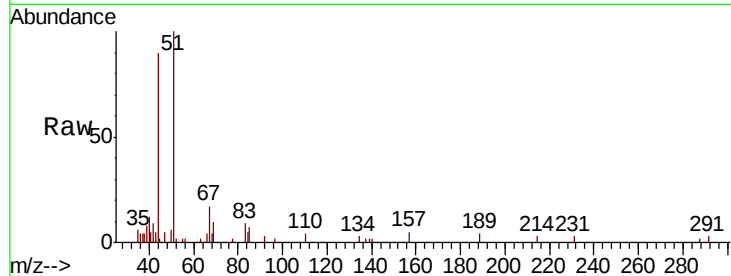
ClientSampleId :

Tot Ion: 51 Resp: 20194

Ion Ratio Lower Upper

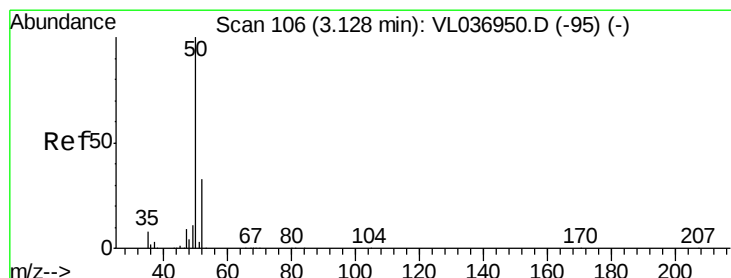
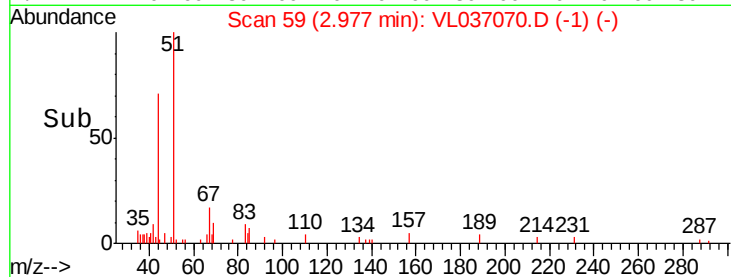
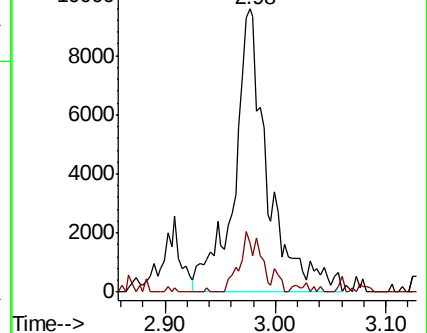
51 100

67 15.4 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.100 ppbv

RT: 3.13 min Scan# 106

Delta R.T. -0.00 min

Lab File: VL037070.D

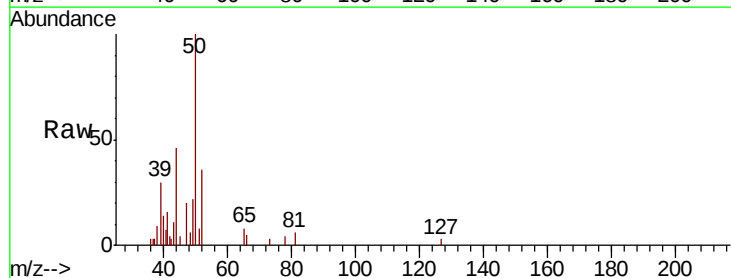
Acq: 1 Jun 2021 15:06

Tgt Ion: 50 Resp: 10072

Ion Ratio Lower Upper

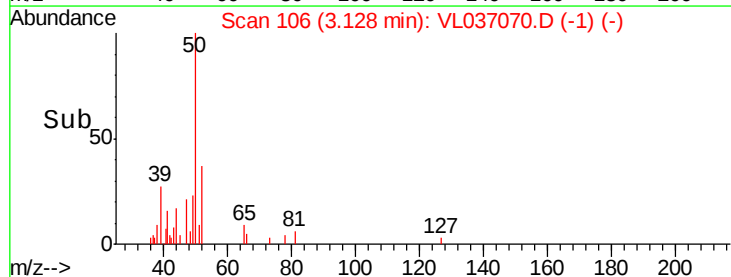
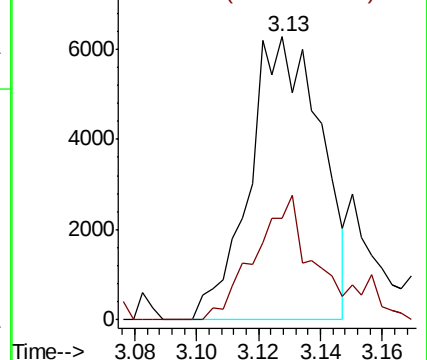
50 100

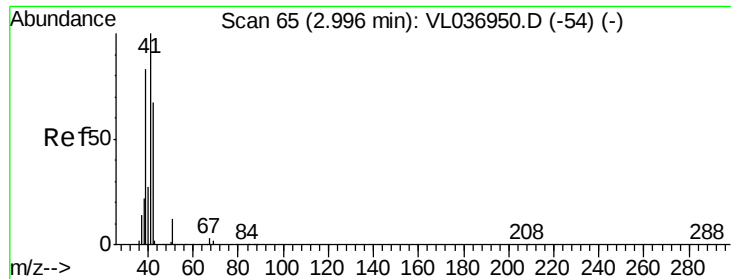
52 35.9 26.1 39.1



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 2.190 ppbv

RT: 3.19 min Scan# 126

Delta R.T. 0.20 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

Instrument :

MSVOA_L

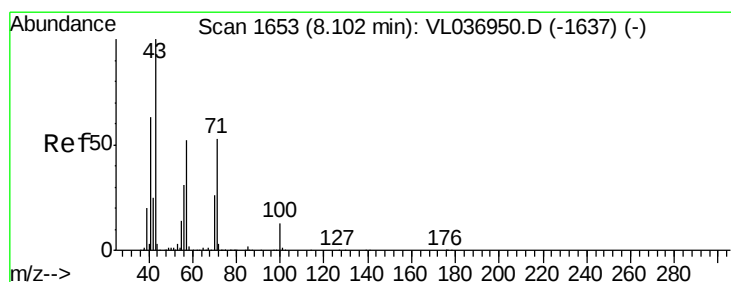
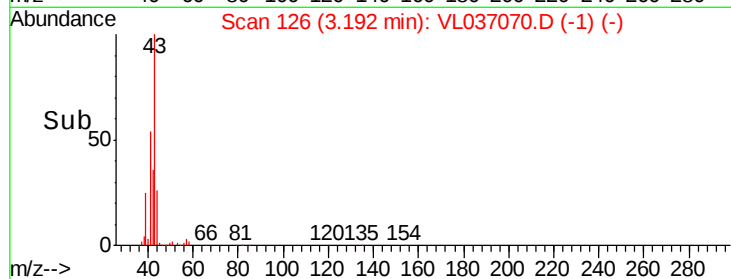
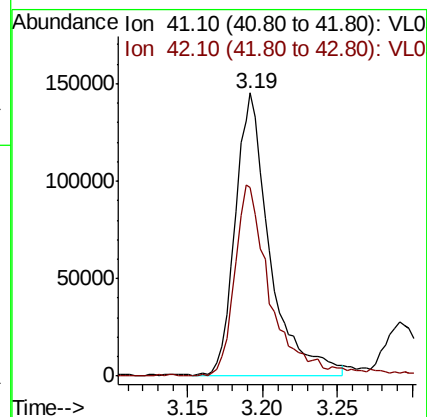
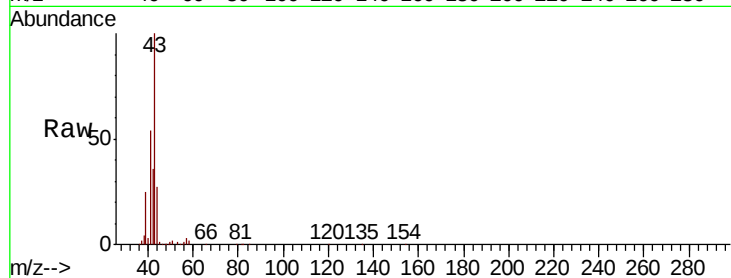
ClientSampleId :

Tot Ion: 41 Resp: 232363

Ion Ratio Lower Upper

41 100

42 71.4 53.9 80.9



#10

Heptane

Concen: 20.566 ppbv

RT: 8.11 min Scan# 1656

Delta R.T. 0.01 min

Lab File: VL037070.D

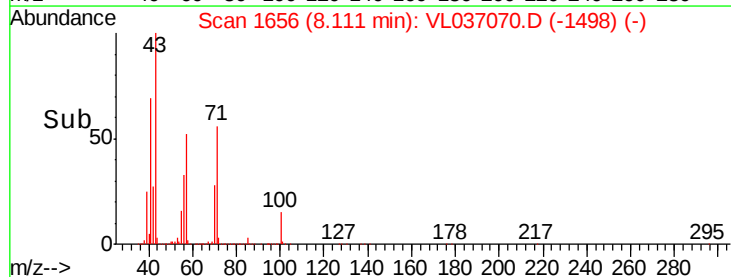
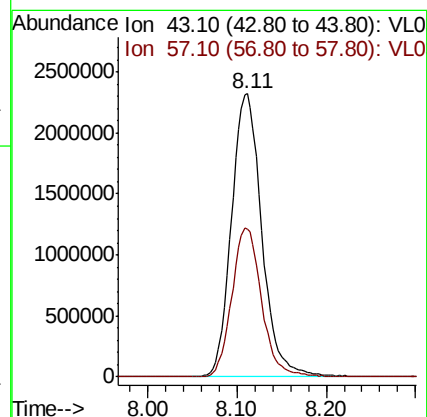
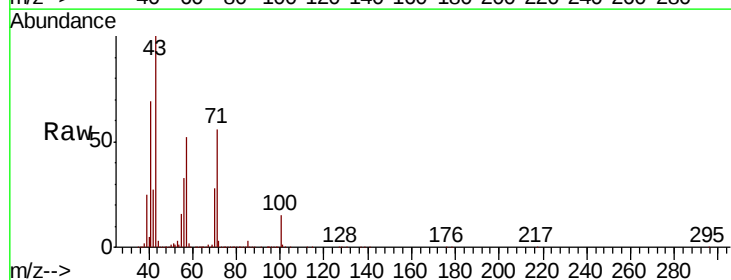
Acq: 1 Jun 2021 15:06

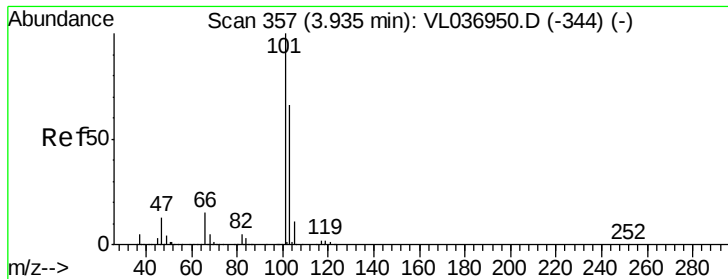
Tgt Ion: 43 Resp: 5438802

Ion Ratio Lower Upper

43 100

57 51.9 41.0 61.6





#11

Trichlorofluoromethane

Concen: 0.042 ppbv

RT: 3.94 min Scan# 358

Delta R.T. 0.00 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

Instrument :

MSVOA_L

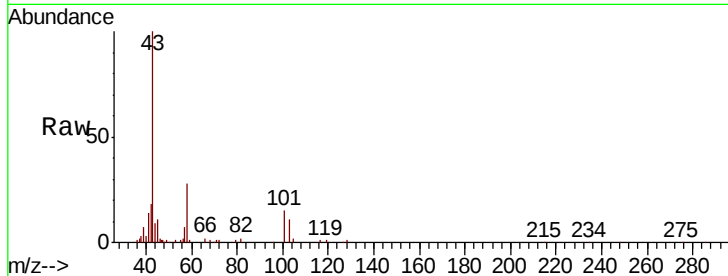
ClientSampleId :

Tot Ion:101 Resp: 10709

Ion Ratio Lower Upper

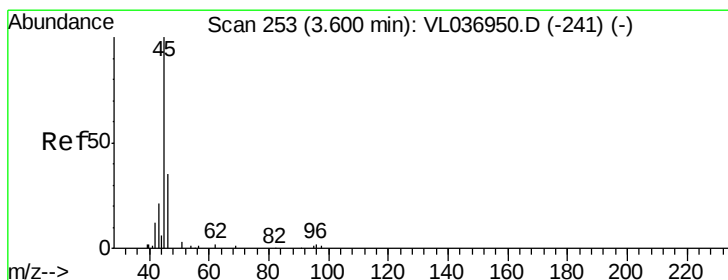
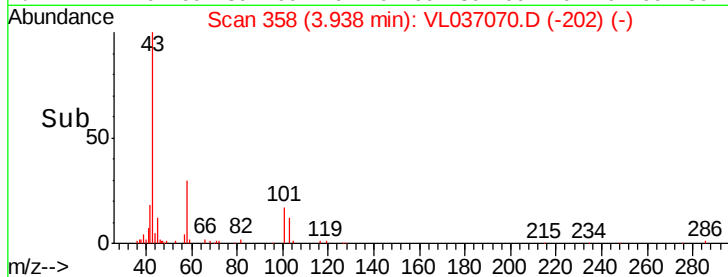
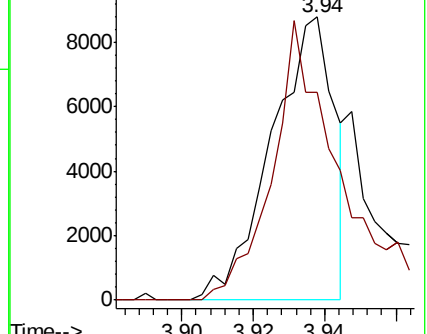
101 100

103 73.3 52.6 79.0



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 46.513 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL037070.D

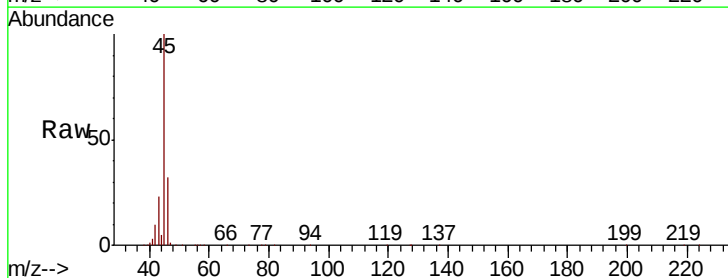
Acq: 1 Jun 2021 15:06

Tgt Ion: 45 Resp: 658553

Ion Ratio Lower Upper

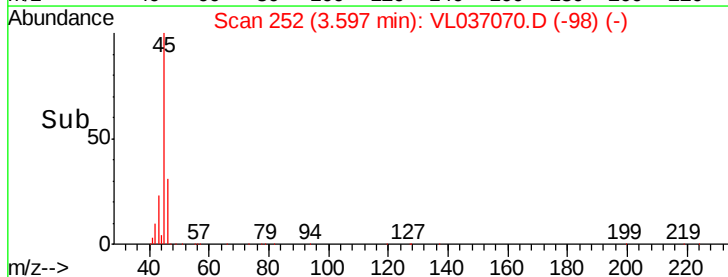
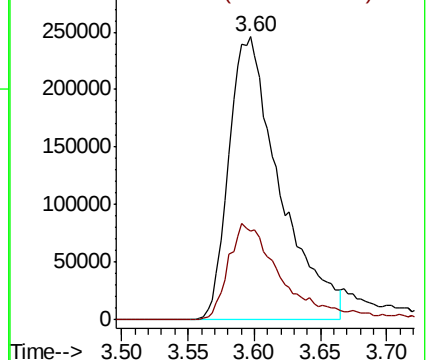
45 100

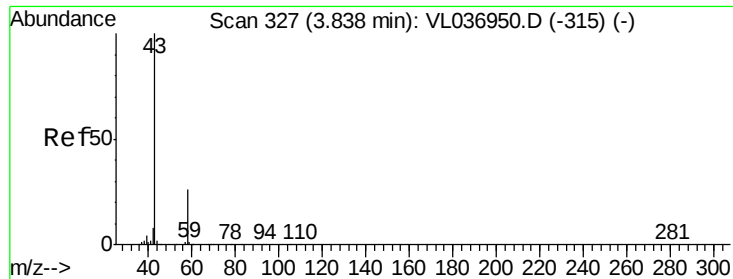
46 35.5 16.3 65.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 32.593 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

Instrument :

MSVOA_L

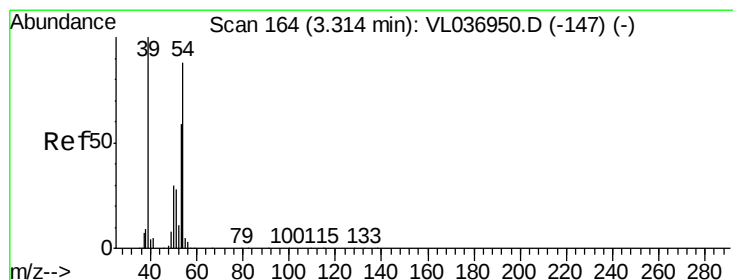
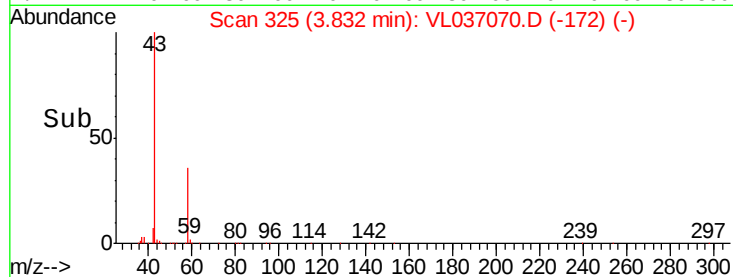
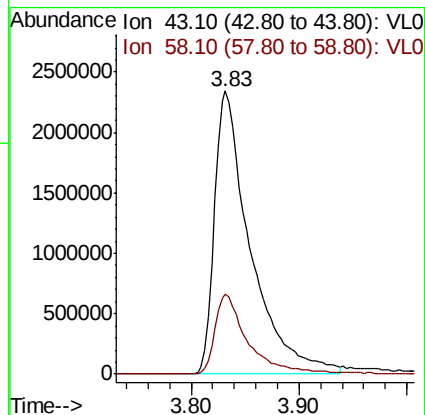
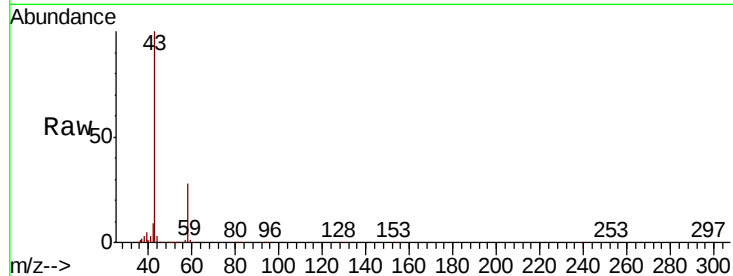
ClientSampled :

Tot Ion: 43 Resp: 5400126

Ion Ratio Lower Upper

43 100

58 26.5 24.0 36.0



#16

1,3-Butadiene

Concen: 0.217 ppbv

RT: 3.29 min Scan# 157

Delta R.T. -0.02 min

Lab File: VL037070.D

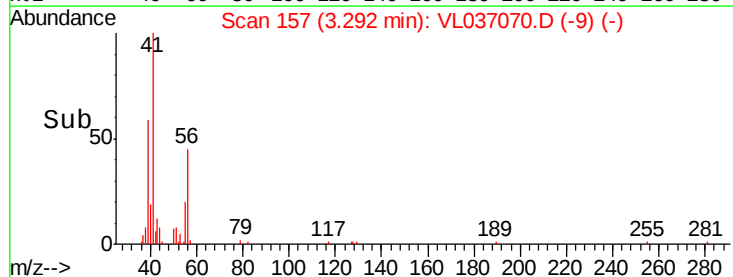
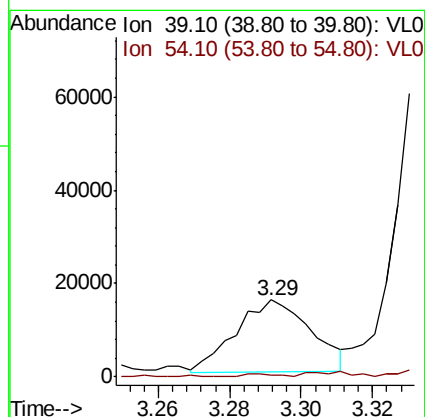
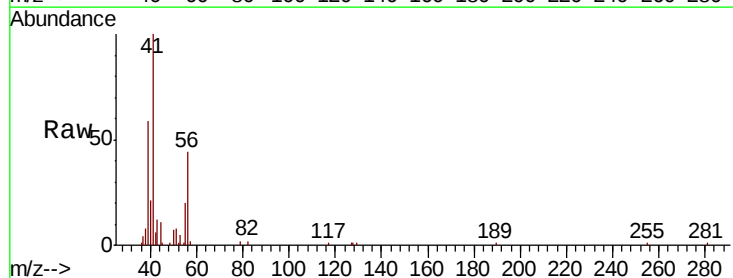
Acq: 1 Jun 2021 15:06

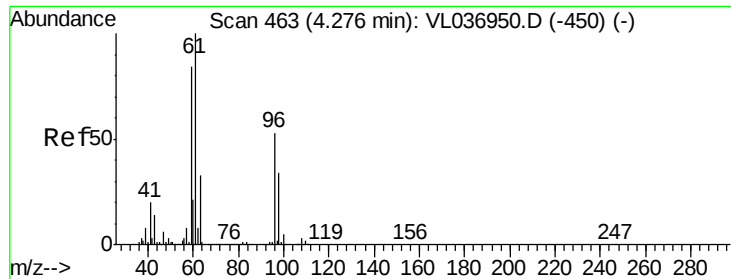
Tgt Ion: 39 Resp: 22319

Ion Ratio Lower Upper

39 100

54 0.0 63.2 94.8#



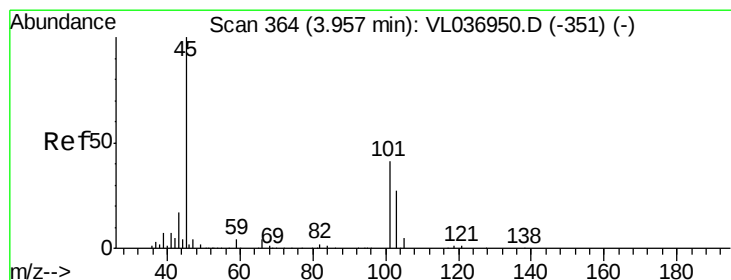
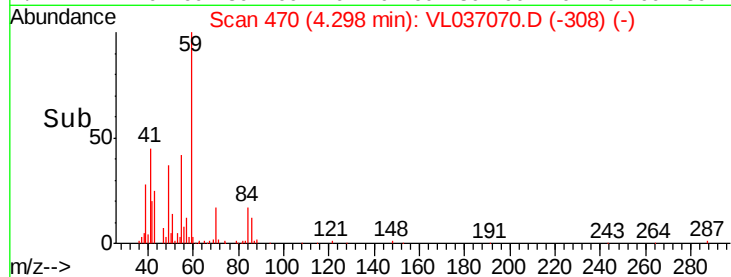
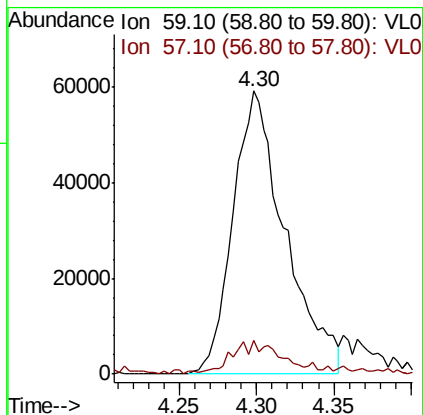
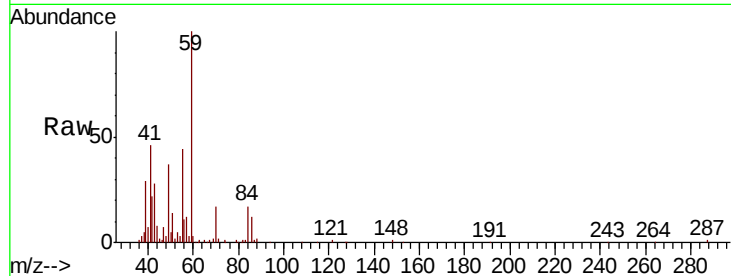


#17

tert-Butyl alcohol
Concen: 0.911 ppbv
RT: 4.30 min Scan# 470
Delta R.T. 0.02 min
Lab File: VL037070.D
Acq: 1 Jun 2021 15:06

Instrument :
MSVOA_L
ClientSampleId :

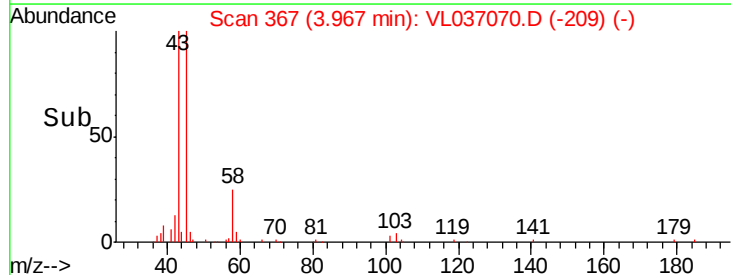
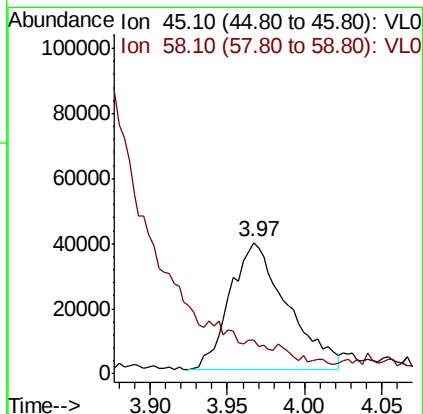
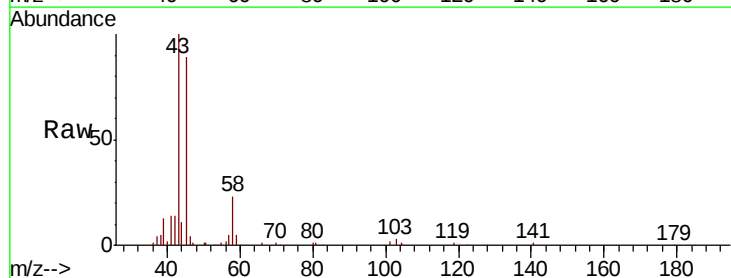
Tot Ion: 59 Resp: 138188
Ion Ratio Lower Upper
59 100
57 14.1 8.3 12.5#

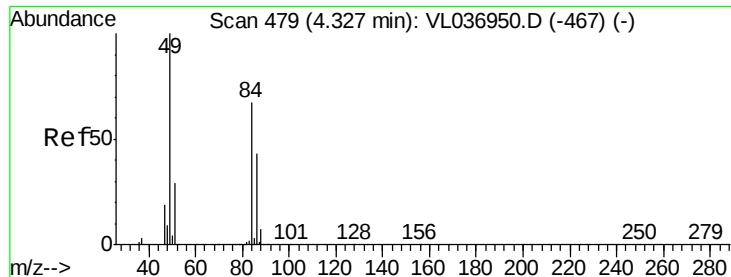


#19

Isopropyl Alcohol
Concen: 1.122 ppbv
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VL037070.D
Acq: 1 Jun 2021 15:06

Tgt Ion: 45 Resp: 99950
Ion Ratio Lower Upper
45 100
58 0.0 37.2 55.8#



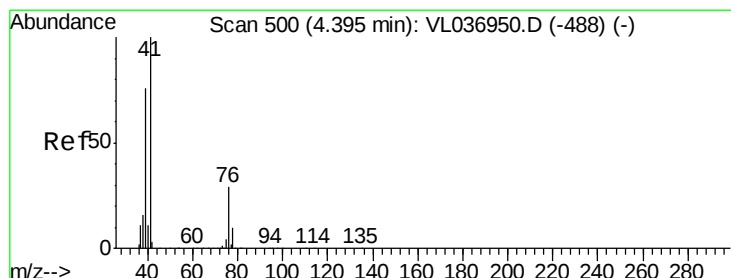
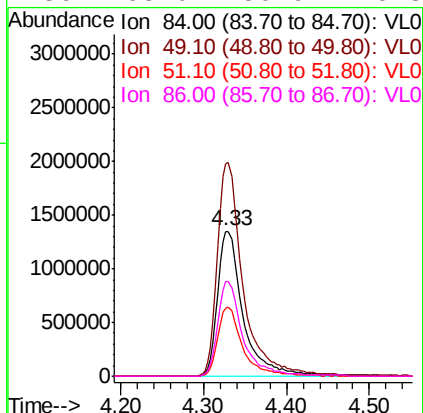
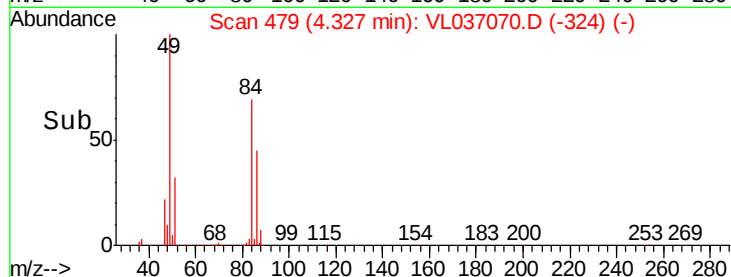
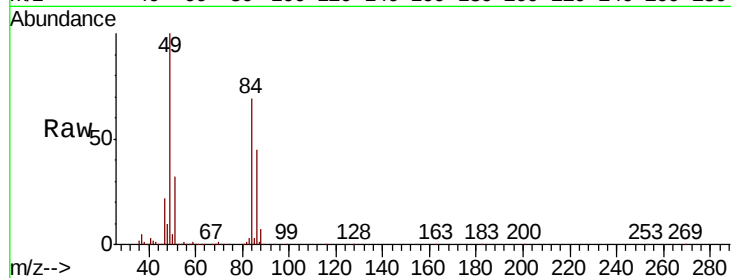


#20
Methylene Chloride
Concen: 32.406 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL037070.D
Acq: 1 Jun 2021 15:06

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 84 Resp: 2878061

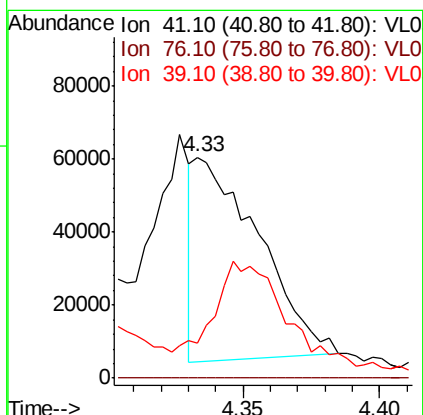
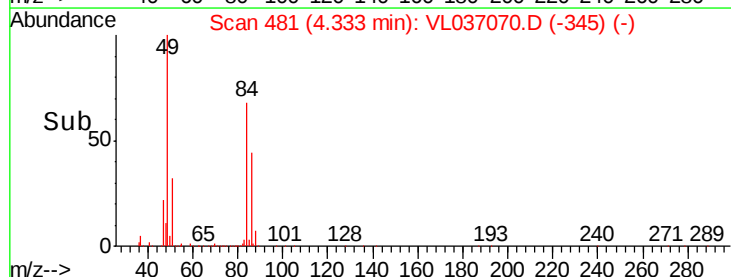
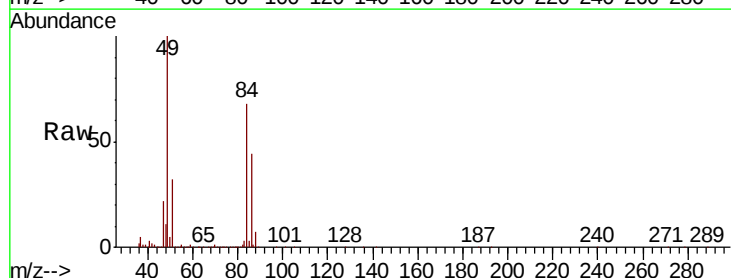
Ion	Ratio	Lower	Upper
84	100		
49	145.9	119.8	179.6
51	46.9	35.1	52.7
86	65.0	50.9	76.3

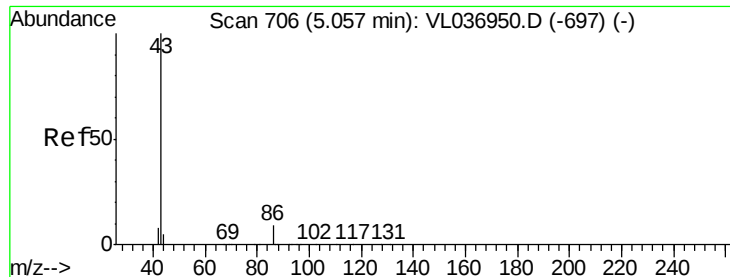


#21
Allyl Chloride
Concen: 0.728 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.06 min
Lab File: VL037070.D
Acq: 1 Jun 2021 15:06

Tgt Ion: 41 Resp: 91041

Ion	Ratio	Lower	Upper
41	100		
76	0.0	24.9	37.3#
39	79.0	63.7	95.5

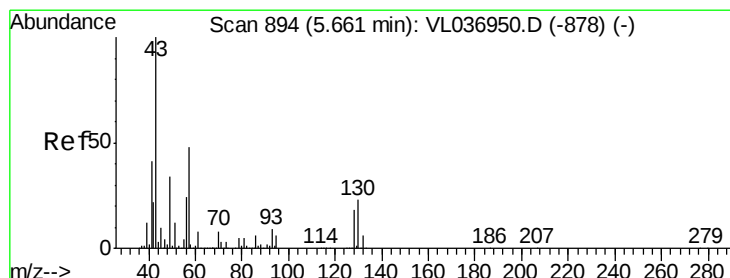
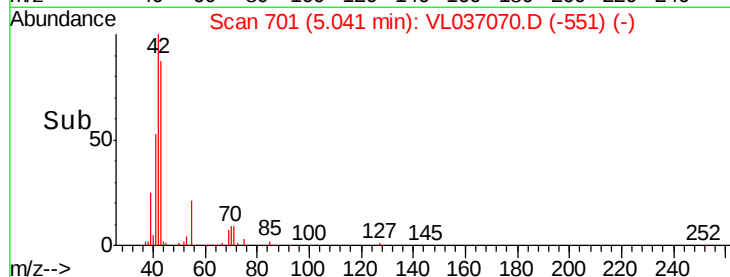
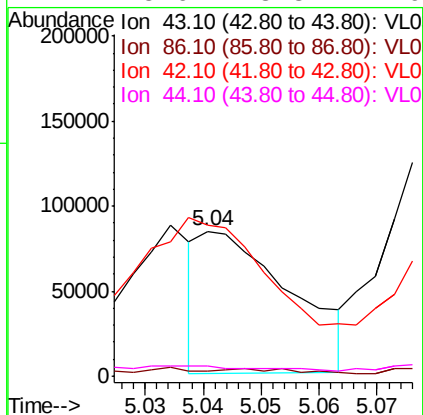
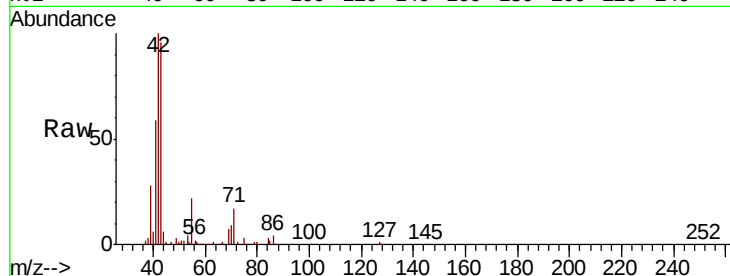




#23
 Vinyl Acetate
 Concen: 0.343 ppbv
 RT: 5.04 min Scan# 701
 Delta R.T. -0.02 min
 Lab File: VL037070.D
 Acq: 1 Jun 2021 15:06

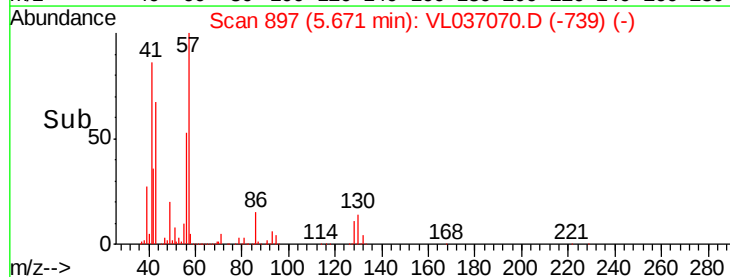
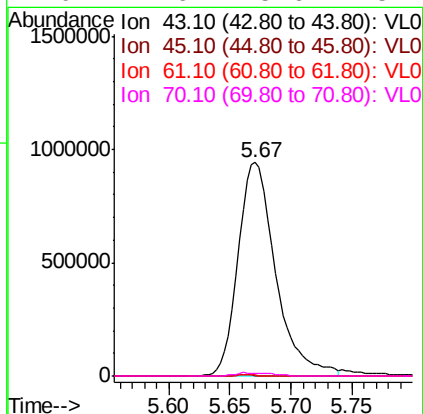
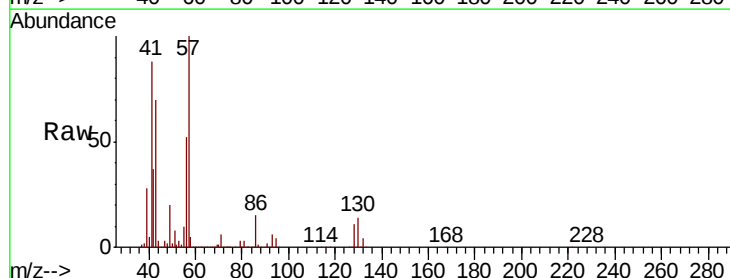
Instrument :
 MSVOA_L
 ClientSampleId :

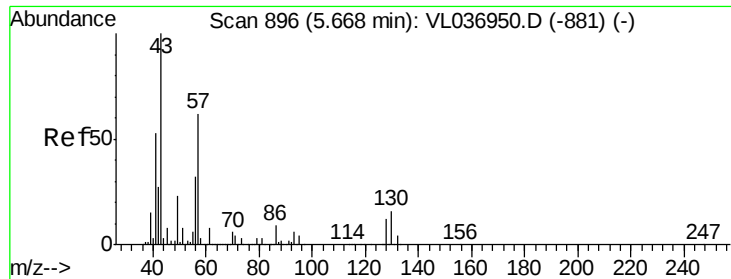
Tot Ion:	43	Resp:	90083
Ion	Ratio	Lower	Upper
43	100		
86	2.1	5.8	8.8#
42	125.4	7.4	11.2#
44	5.6	3.3	4.9#



#25
 Ethyl Acetate
 Concen: 5.044 ppbv
 RT: 5.67 min Scan# 897
 Delta R.T. 0.01 min
 Lab File: VL037070.D
 Acq: 1 Jun 2021 15:06

Tgt Ion:	43	Resp:	2008048
Ion	Ratio	Lower	Upper
43	100		
45	0.5	7.8	11.8#
61	0.4	7.8	11.8#
70	1.6	5.6	8.4#



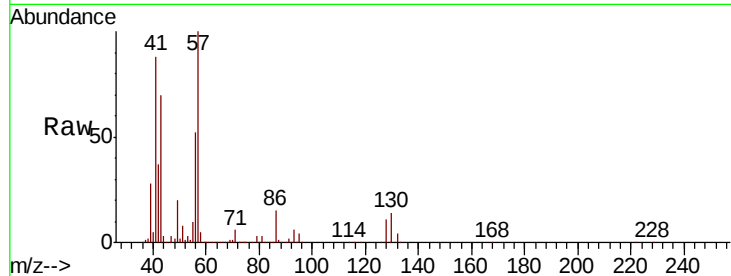


#26
Hexane
Concen: 14.205 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.00 min
Lab File: VL037070.D
Acq: 1 Jun 2021 15:06

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 2889226

Ion	Ratio	Lower	Upper
57	100		
41	89.2	70.5	105.7
43	70.8	165.8	248.8#
56	52.9	42.2	63.4



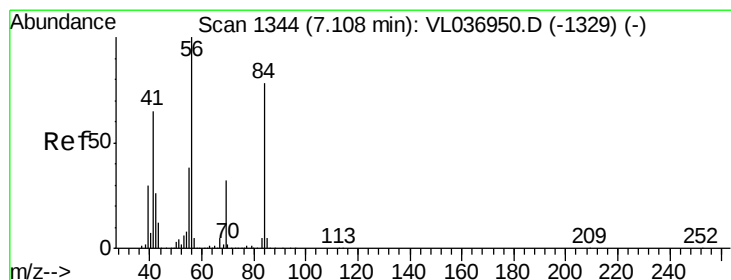
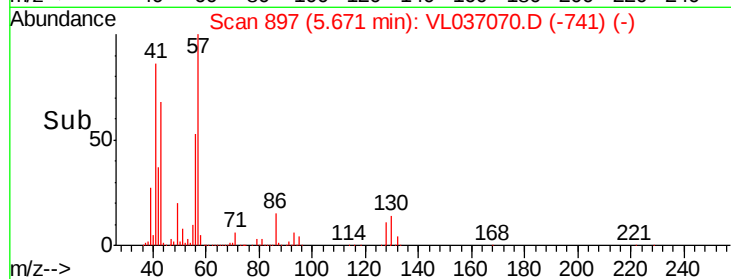
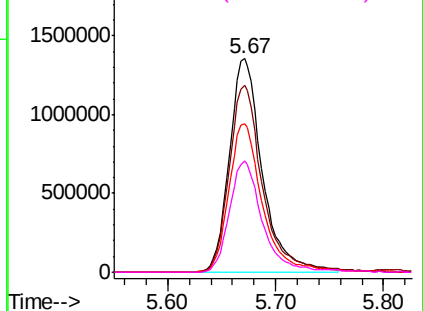
Abundance

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

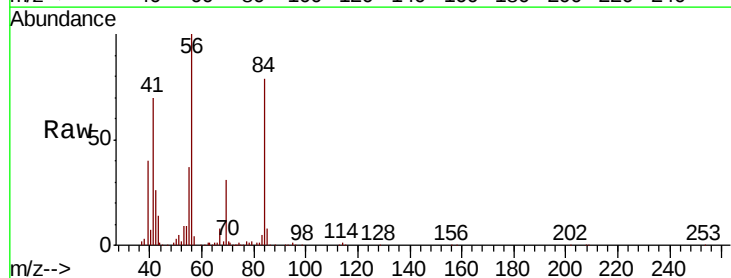
Ion 56.10 (55.80 to 56.80): VL0



#30
Cyclohexane
Concen: 0.636 ppbv
RT: 7.11 min Scan# 1345
Delta R.T. 0.00 min
Lab File: VL037070.D
Acq: 1 Jun 2021 15:06

Tgt Ion: 84 Resp: 109894

Ion	Ratio	Lower	Upper
84	100		
56	334.3	107.9	161.9#
41	0.0	65.5	98.3#

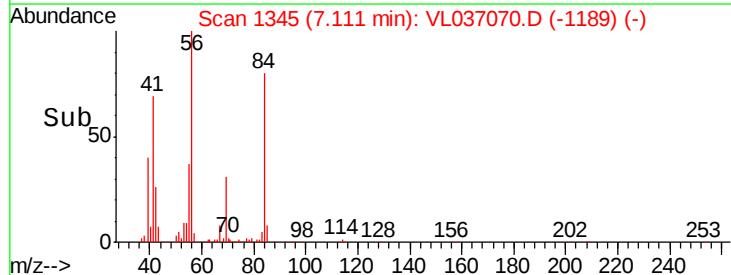
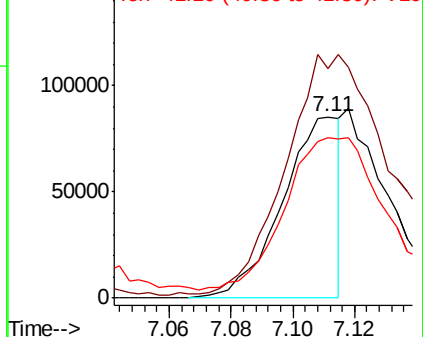


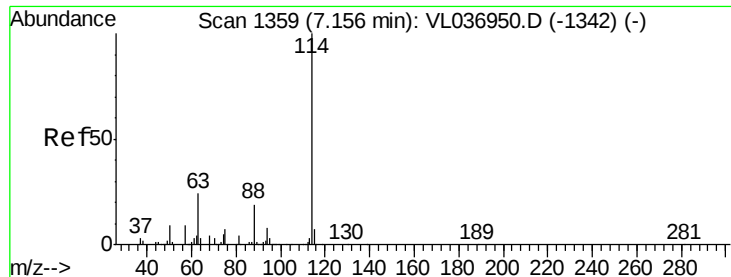
Abundance

Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

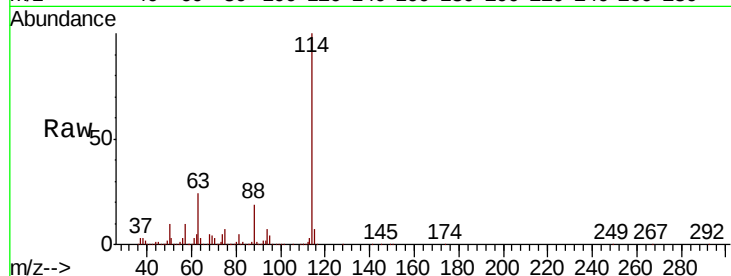




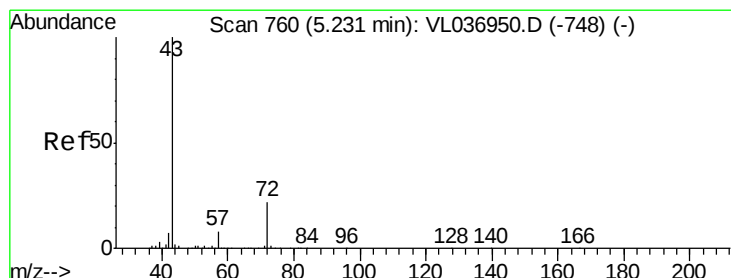
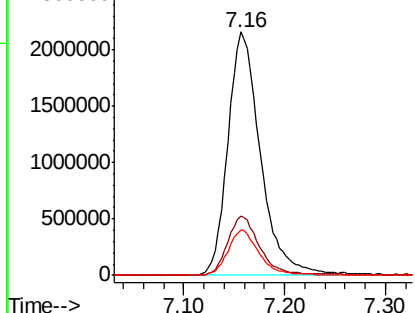
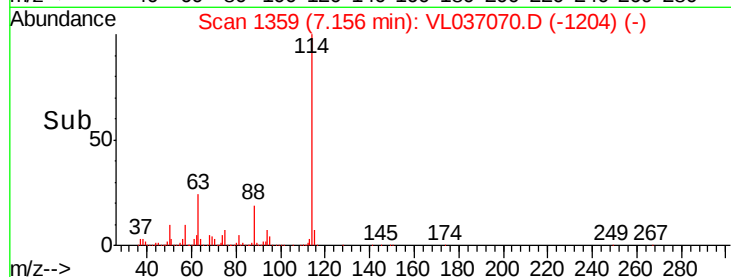
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.00 min
 Lab File: VL037070.D
 Acq: 1 Jun 2021 15:06

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 4856280
 Ion Ratio Lower Upper
 114 100
 63 24.5 19.6 29.4
 88 18.1 14.6 21.8

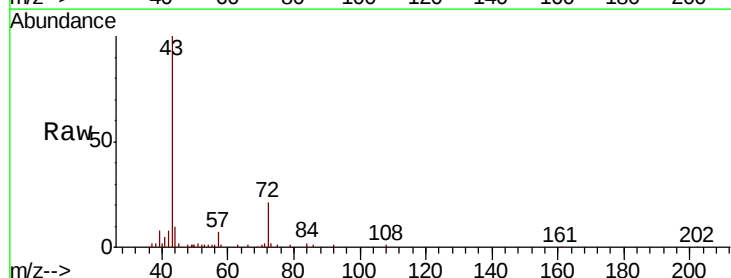


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

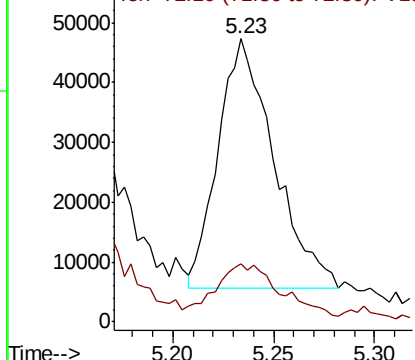
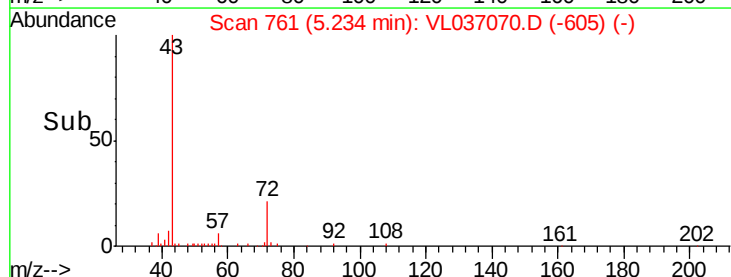


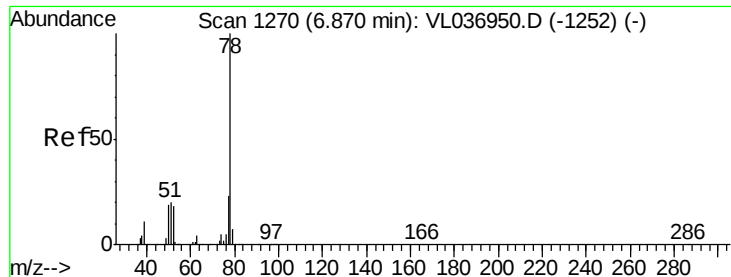
#34
 2-Butanone
 Concen: 0.456 ppbv
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL037070.D
 Acq: 1 Jun 2021 15:06

Tgt Ion: 43 Resp: 80594
 Ion Ratio Lower Upper
 43 100
 72 33.8 19.0 28.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

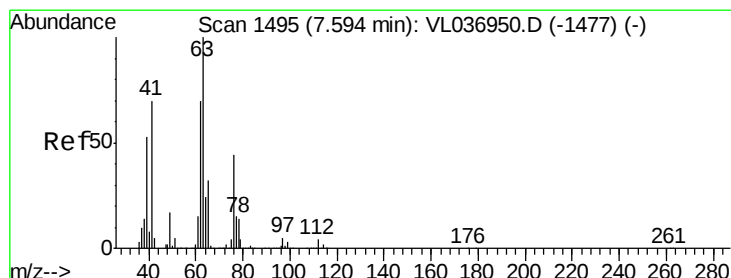
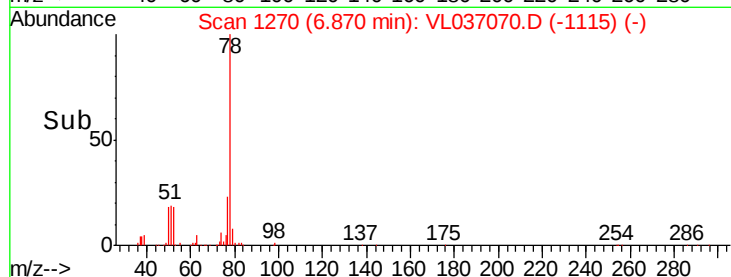
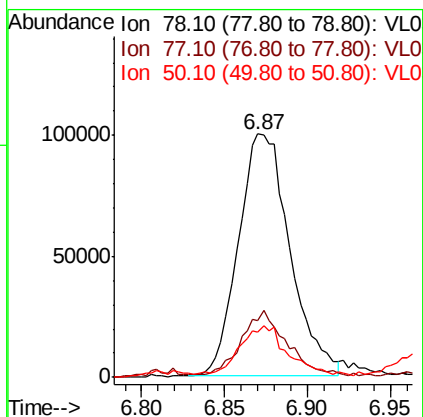
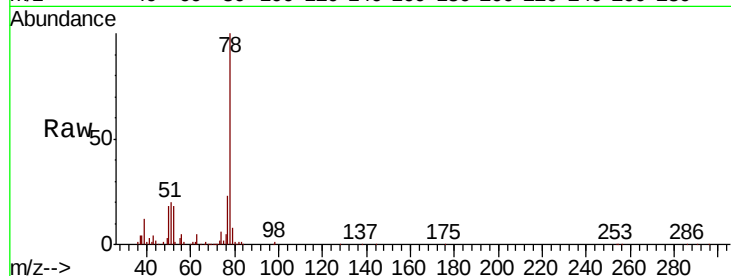




#36
Benzene
Concen: 0.518 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.00 min
Lab File: VL037070.D
Acq: 1 Jun 2021 15:06

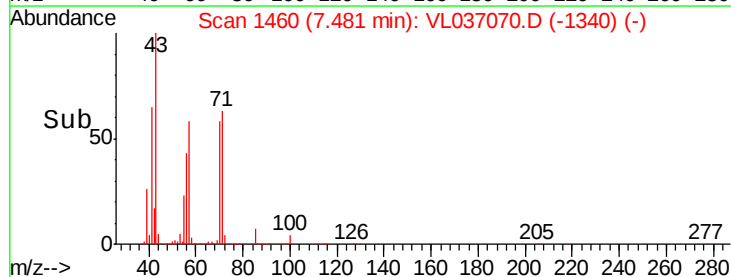
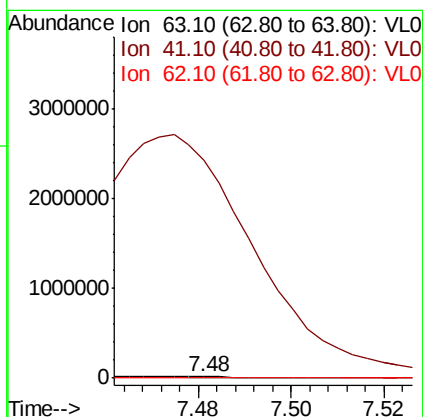
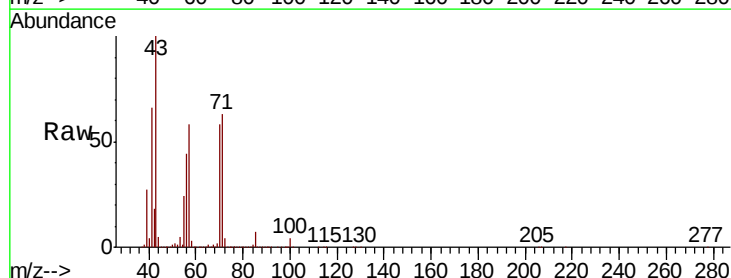
Instrument :
MSVOA_L
ClientSampled :

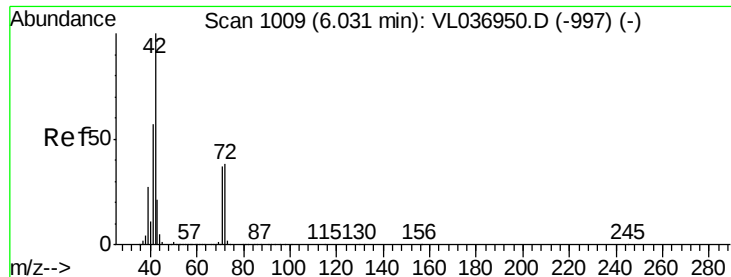
Tot Ion: 78 Resp: 216530
Ion Ratio Lower Upper
78 100
77 22.2 18.6 28.0
50 16.7 15.0 22.4



#39
1,2-Dichloropropane
Concen: 0.071 ppbv
RT: 7.48 min Scan# 1460
Delta R.T. -0.11 min
Lab File: VL037070.D
Acq: 1 Jun 2021 15:06

Tgt Ion: 63 Resp: 11473
Ion Ratio Lower Upper
63 100
41 13215.8 55.7 83.5#
62 32.5 56.2 84.4#





#41

Tetrahydrofuran

Concen: 1.258 ppbv

RT: 6.31 min Scan# 1095

Delta R.T. 0.28 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

Instrument :

MSVOA_L

ClientSampleId :

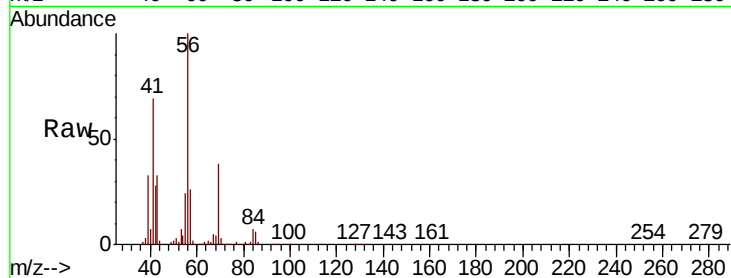
Tot Ion: 42 Resp: 126657

Ion Ratio Lower Upper

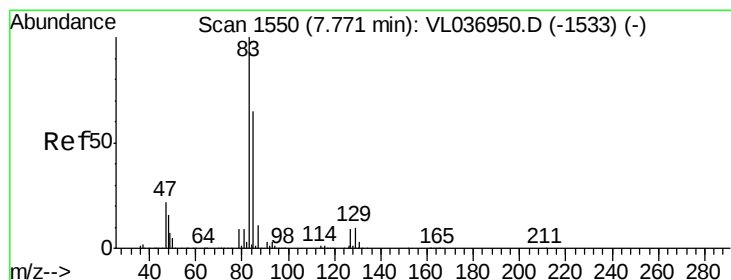
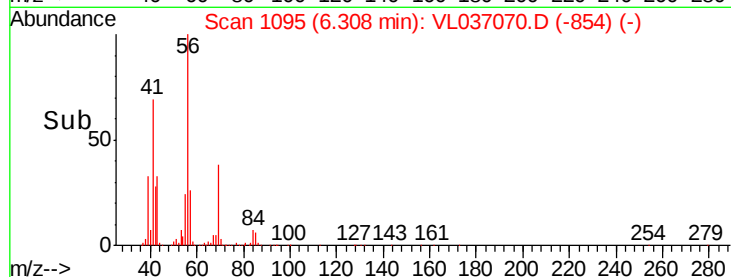
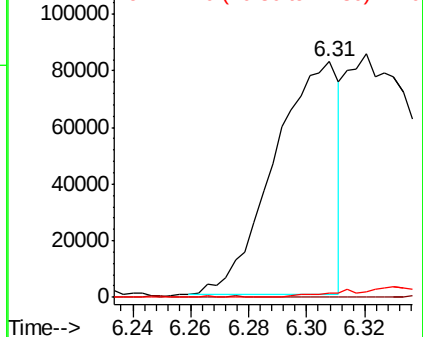
42 100

72 0.3 31.4 47.2#

71 0.0 30.4 45.6#



Abundance Ion 42.10 (41.80 to 42.80): VL0
Ion 72.10 (71.80 to 72.80): VL0
Ion 71.10 (70.80 to 71.80): VL0



#42

Bromodichloromethane

Concen: 0.366 ppbv

RT: 7.77 min Scan# 1551

Delta R.T. 0.00 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

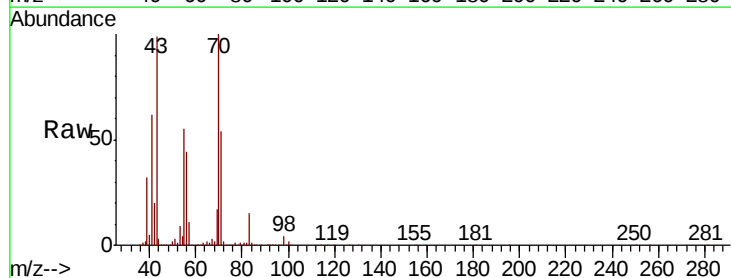
Tgt Ion: 83 Resp: 114946

Ion Ratio Lower Upper

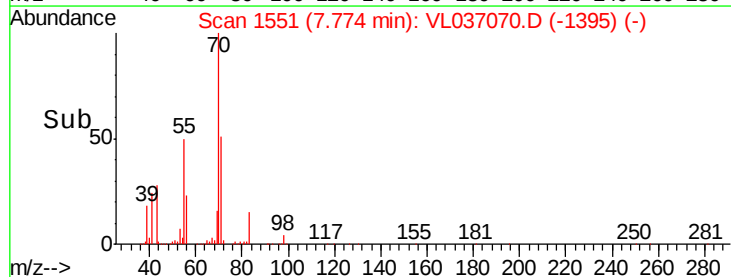
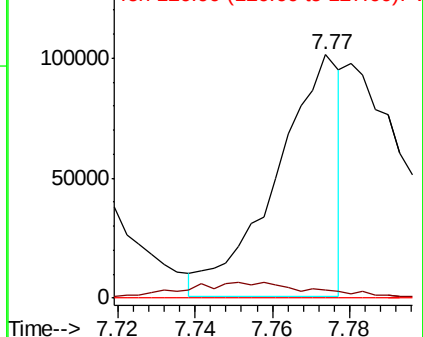
83 100

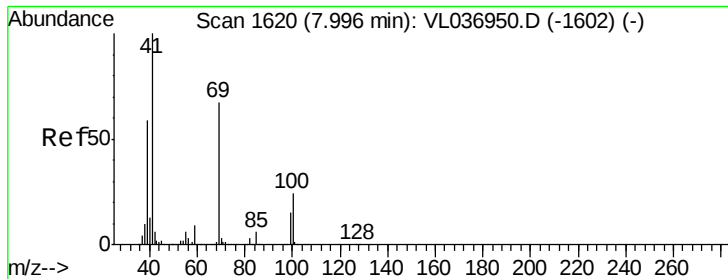
85 0.6 51.7 77.5#

127 0.0 6.9 10.3#



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): V





#43

Methyl Methacrylate

Concen: 0.234 ppbv

RT: 8.11 min Scan# 1655

Delta R.T. 0.11 min

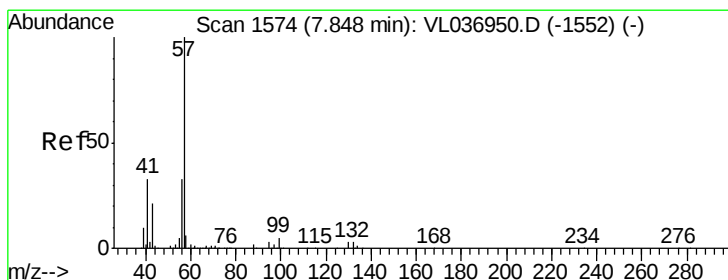
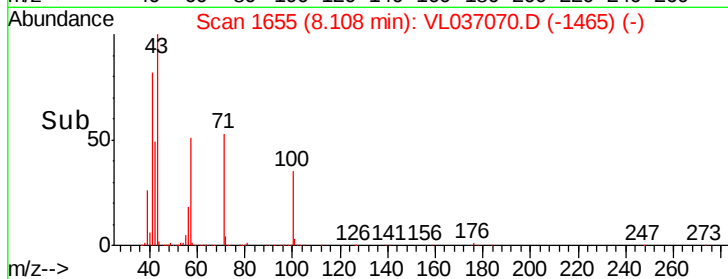
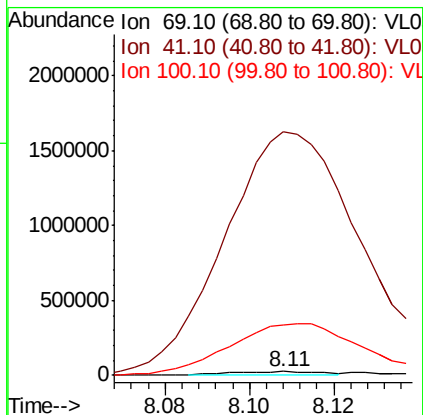
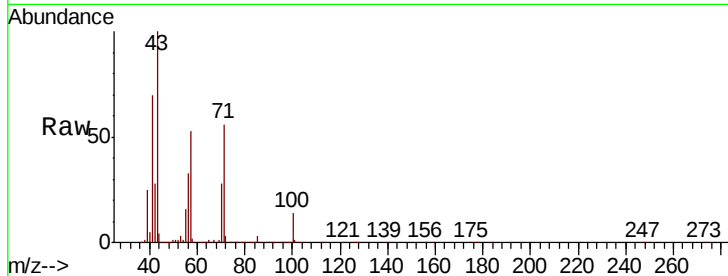
Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 69 Resp: 33795

Ion	Ratio	Lower	Upper
69	100		
41	11479.0	118.6	178.0#
100	2342.1	28.2	42.4#



#44

2,2,4-Trimethylpentane

Concen: 0.363 ppbv

RT: 7.85 min Scan# 1574

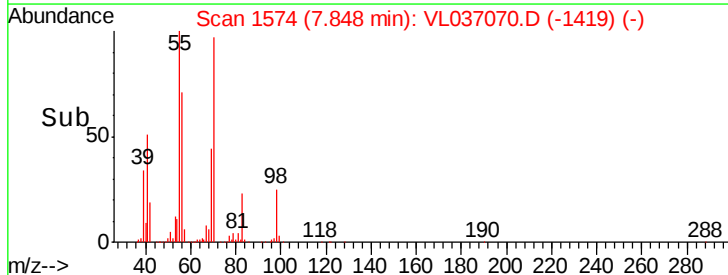
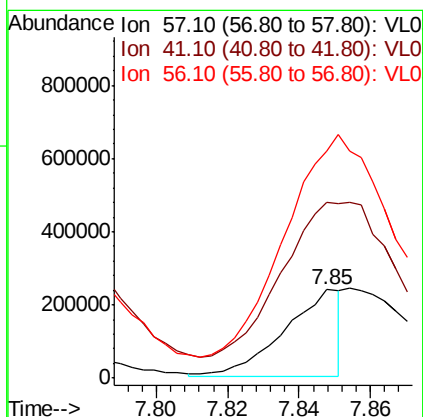
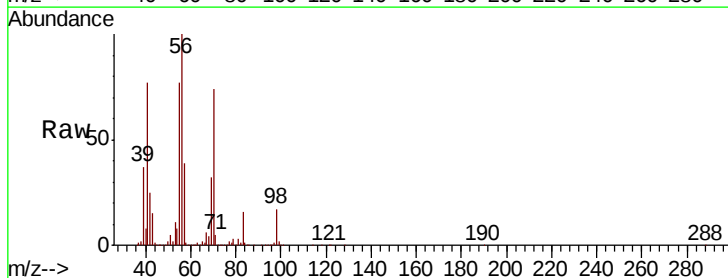
Delta R.T. -0.00 min

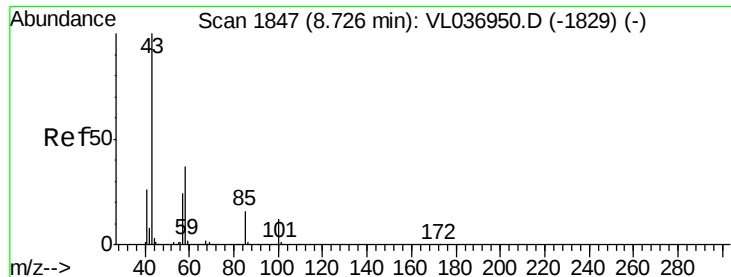
Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

Tgt Ion: 57 Resp: 260412

Ion	Ratio	Lower	Upper
57	100		
41	458.7	27.0	40.4#
56	0.0	25.4	38.2#

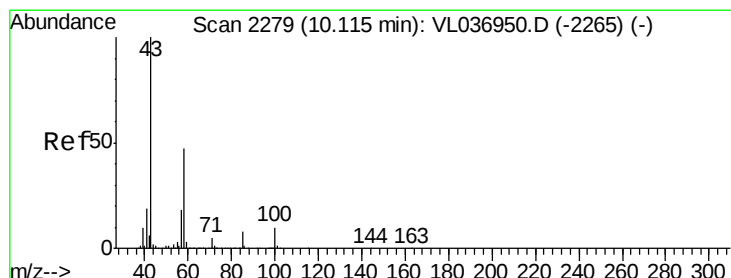
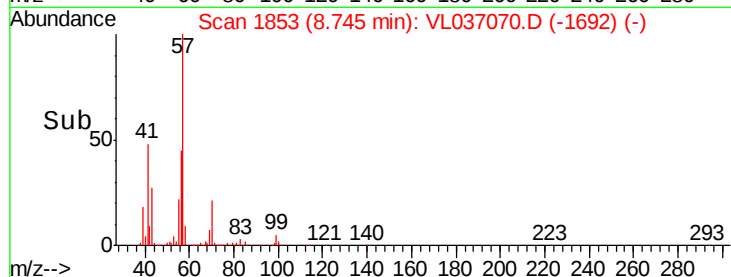
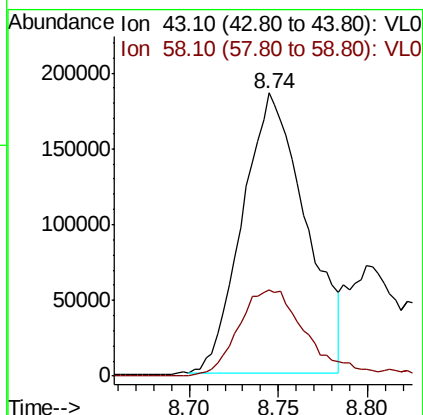
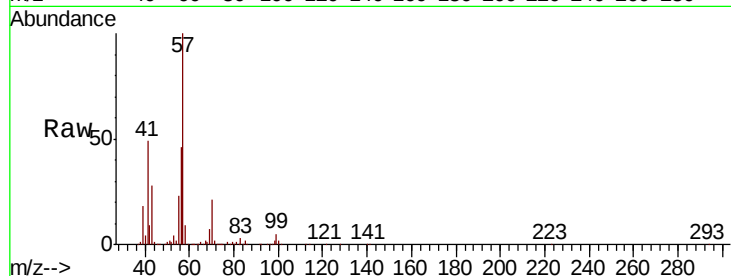




#50
 4-Methyl-2-Pentanone
 Concen: 1.569 ppbv
 RT: 8.74 min Scan# 1853
 Delta R.T. 0.02 min
 Lab File: VL037070.D
 Acq: 1 Jun 2021 15:06

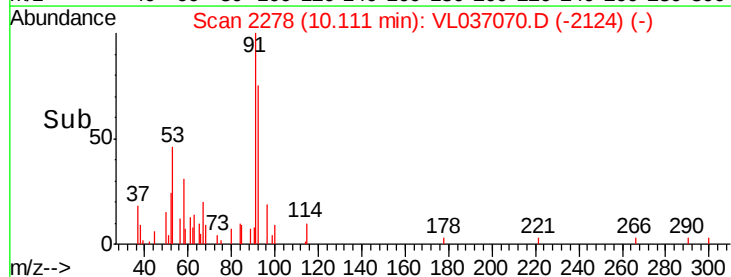
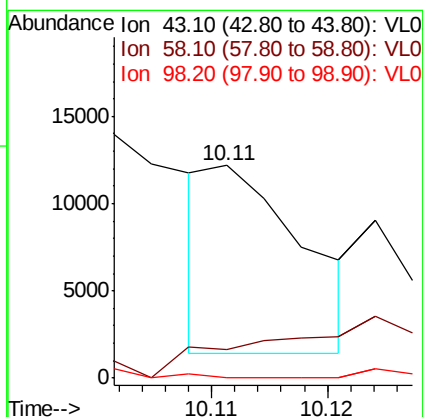
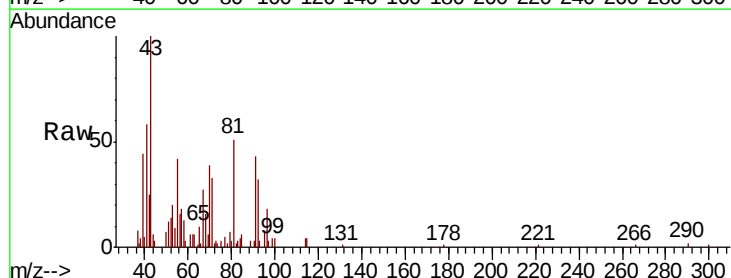
Instrument :
 MSVOA_L
 ClientSampleID :

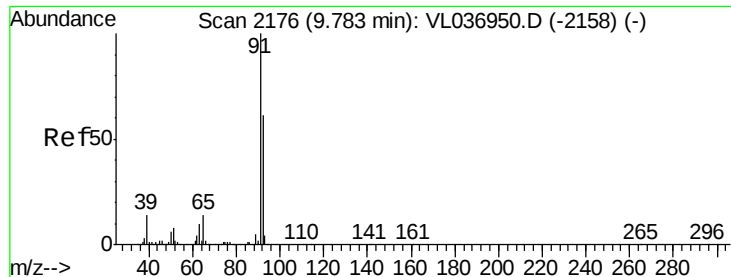
Tot Ion: 43 Resp: 457953
 Ion Ratio Lower Upper
 43 100
 58 36.1 29.4 44.2



#51
 2-Hexanone
 Concen: 0.039 ppbv
 RT: 10.11 min Scan# 2278
 Delta R.T. -0.00 min
 Lab File: VL037070.D
 Acq: 1 Jun 2021 15:06

Tgt Ion: 43 Resp: 5996
 Ion Ratio Lower Upper
 43 100
 58 0.0 41.1 61.7#
 98 0.0 0.1 0.1#





#53

Toluene

Concen: 19.995 ppbv

RT: 9.79 min Scan# 2178

Delta R.T. 0.01 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

Instrument :

MSVOA_L

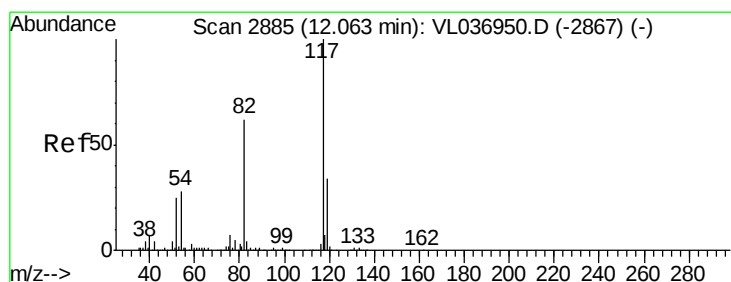
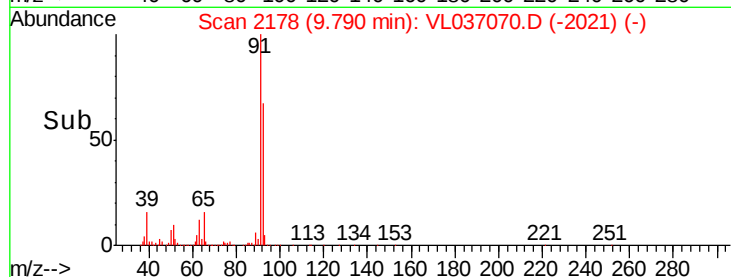
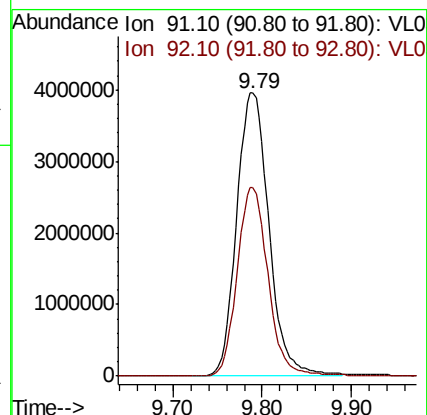
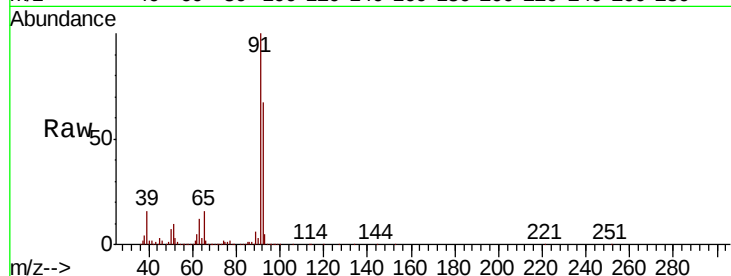
ClientSampleId :

Tot Ion: 91 Resp: 9952068

Ion Ratio Lower Upper

91 100

92 64.4 49.5 74.3



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. 0.00 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

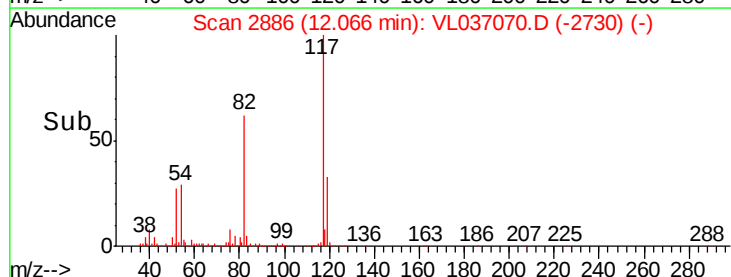
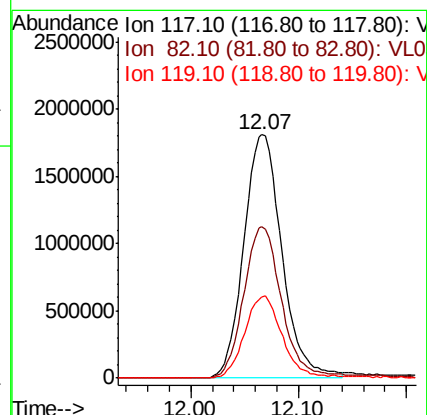
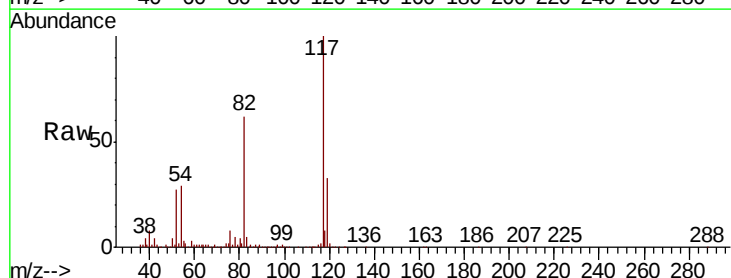
Tgt Ion: 117 Resp: 4455180

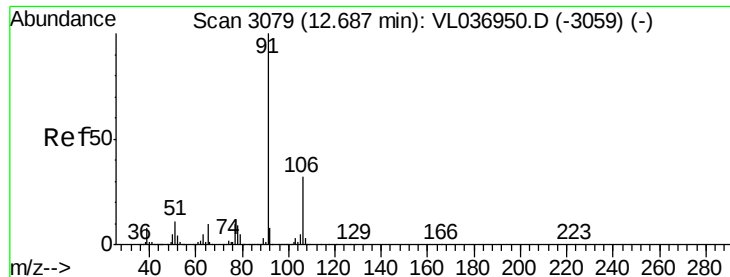
Ion Ratio Lower Upper

117 100

82 63.5 52.6 79.0

119 34.2 46.6 70.0#





#58

Ethyl Benzene

Concen: 0.951 ppbv

RT: 12.69 min Scan# 3081

Delta R.T. 0.01 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

Instrument :

MSVOA_L

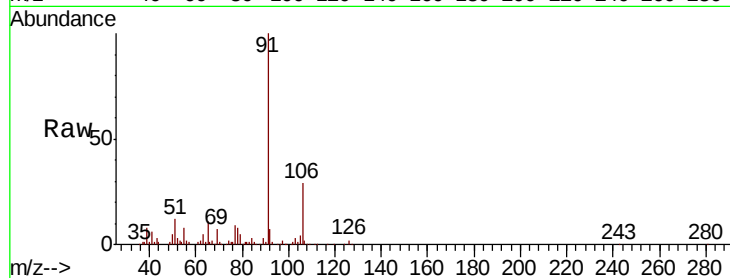
ClientSampleId :

Tot Ion: 91 Resp: 598113

Ion Ratio Lower Upper

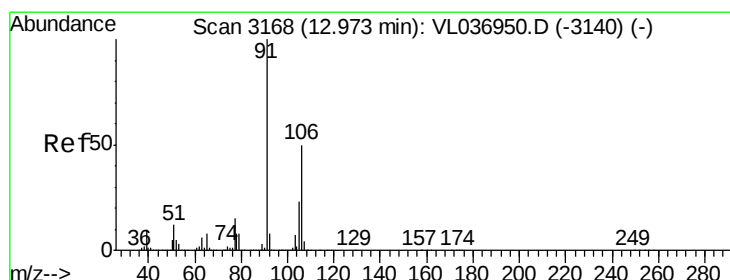
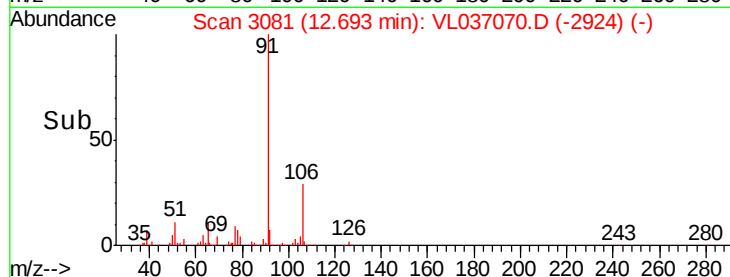
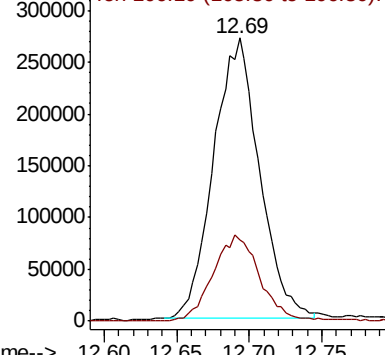
91 100

106 29.0 25.6 38.4



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#59

m/p-Xylene

Concen: 3.385 ppbv

RT: 12.95 min Scan# 3160

Delta R.T. -0.03 min

Lab File: VL037070.D

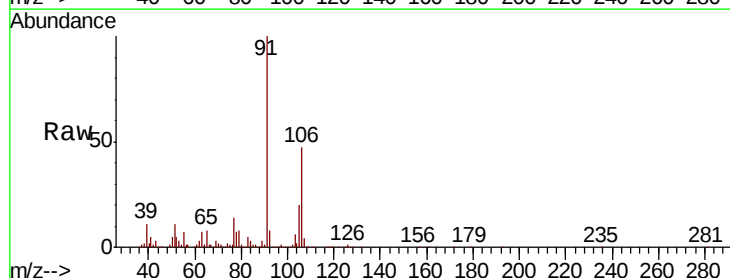
Acq: 1 Jun 2021 15:06

Tgt Ion: 91 Resp: 1759485

Ion Ratio Lower Upper

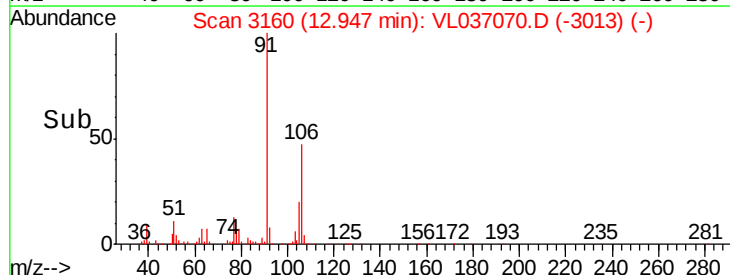
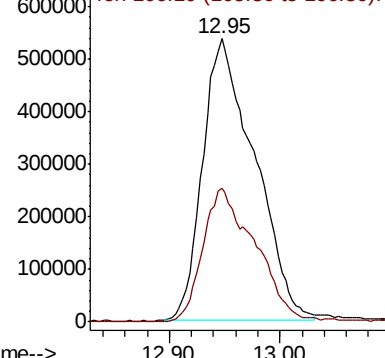
91 100

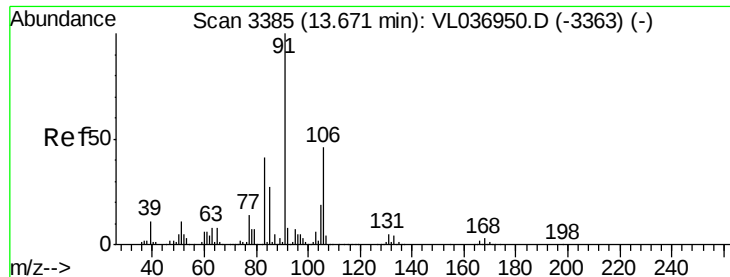
106 47.8 37.4 56.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V

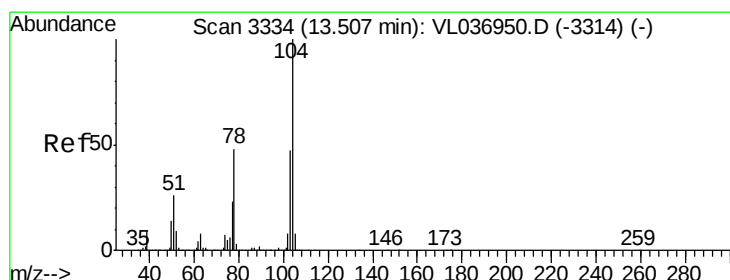
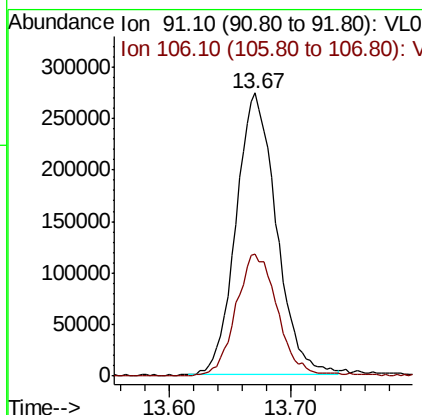
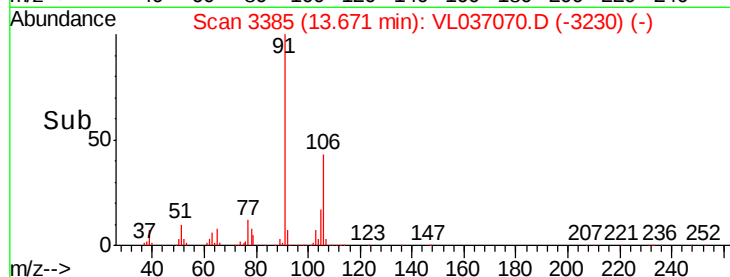
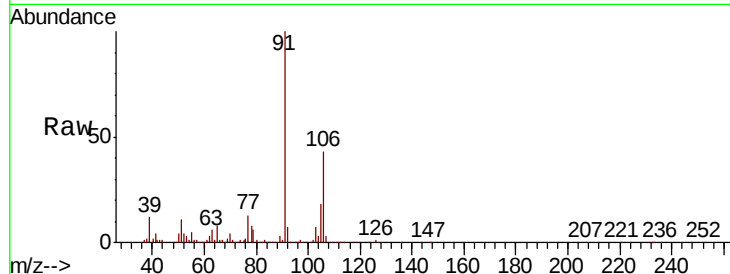




#60
o-Xylene
Concen: 1.263 ppbv
RT: 13.67 min Scan# 3385
Delta R.T. -0.00 min
Lab File: VL037070.D
Acq: 1 Jun 2021 15:06

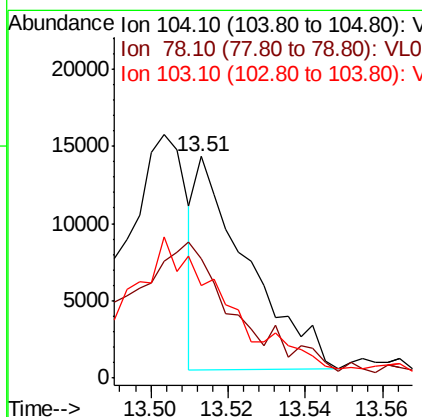
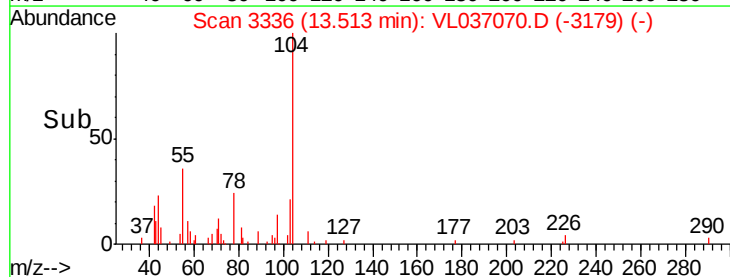
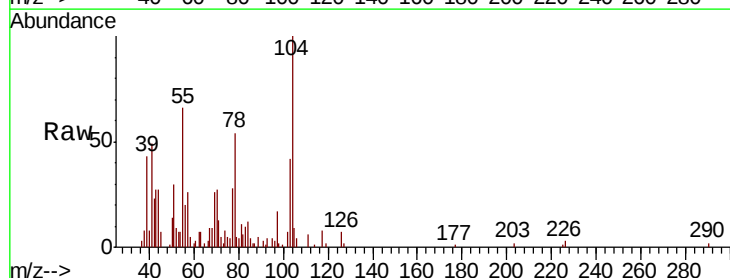
Instrument :
MSVOA_L
ClientSampled :

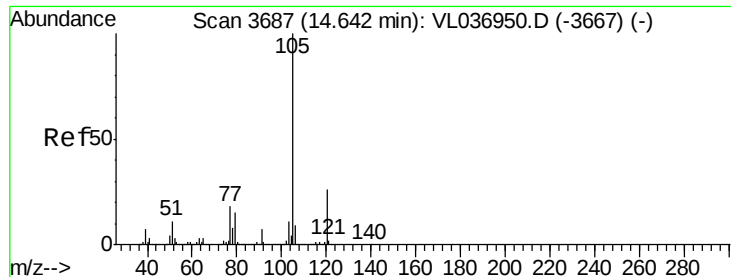
Tot Ion: 91 Resp: 626294
Ion Ratio Lower Upper
91 100
106 45.2 23.4 70.3



#61
Styrene
Concen: 0.046 ppbv
RT: 13.51 min Scan# 3336
Delta R.T. 0.01 min
Lab File: VL037070.D
Acq: 1 Jun 2021 15:06

Tgt Ion: 104 Resp: 12879
Ion Ratio Lower Upper
104 100
78 154.8 39.0 58.6#
103 0.0 38.0 57.0#





#62

Isopropylbenzene

Concen: 0.688 ppbv

RT: 14.65 min Scan# 3689

Delta R.T. 0.01 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

Instrument :

MSVOA_L

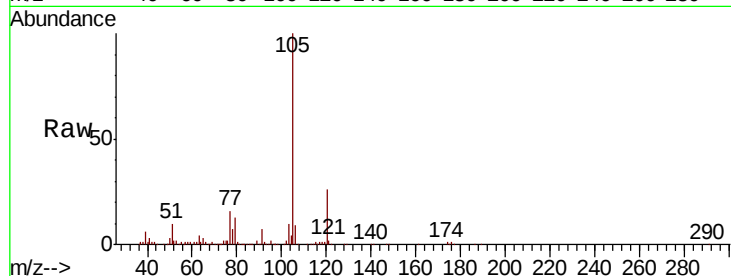
ClientSampleId :

Tot Ion:105 Resp: 490370

Ion Ratio Lower Upper

105 100

120 26.3 21.7 32.5



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

250000

200000

150000

100000

50000

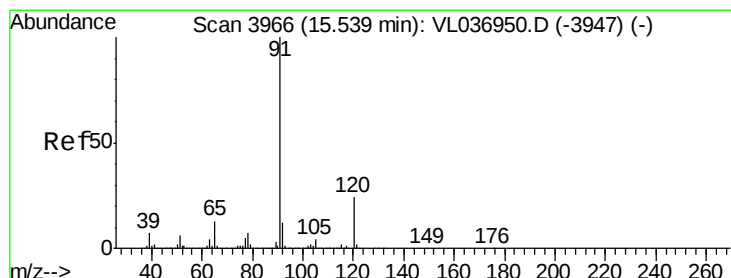
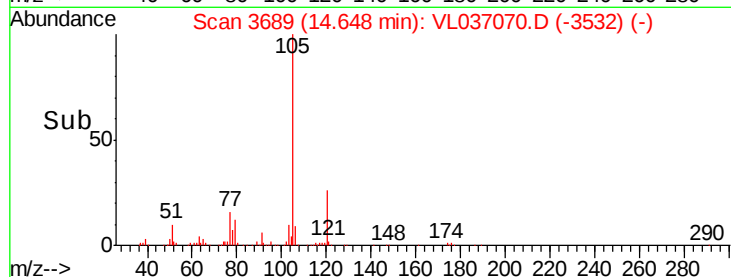
0

14.60

14.65

14.70

Time-->



#64

n-propylbenzene

Concen: 0.060 ppbv

RT: 15.54 min Scan# 3966

Delta R.T. -0.00 min

Lab File: VL037070.D

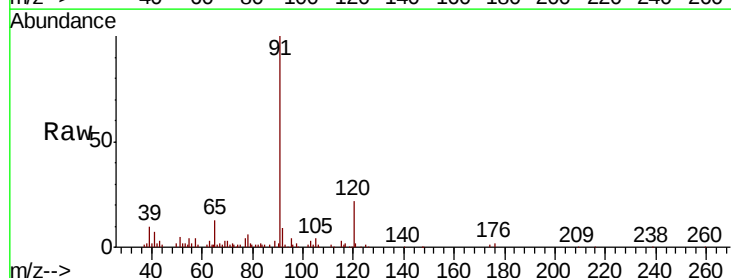
Acq: 1 Jun 2021 15:06

Tgt Ion:120 Resp: 11039

Ion Ratio Lower Upper

120 100

91 1565.6 343.8 515.6#



Abundance Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

80000

60000

40000

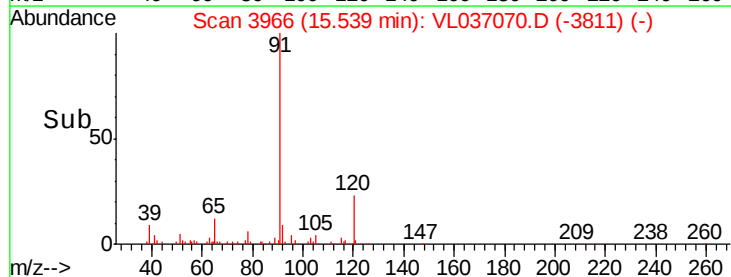
20000

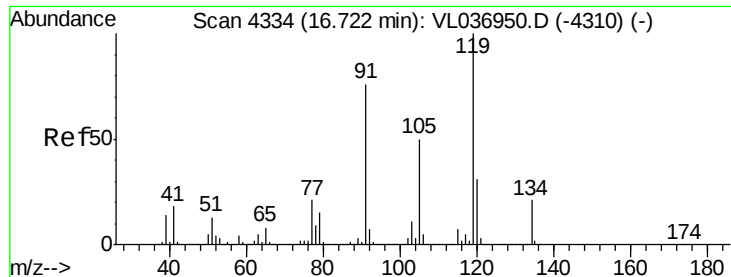
0

15.53

15.54

Time-->





#65

tert-Butylbenzene

Concen: 0.100 ppbv

RT: 16.74 min Scan# 4339

Delta R.T. 0.02 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

Instrument :

MSVOA_L

ClientSampleId :

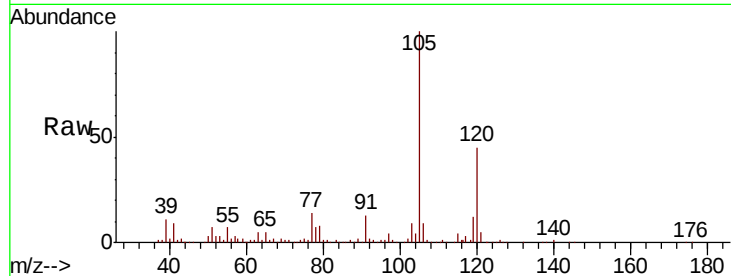
Tot Ion:119 Resp: 64447

Ion Ratio Lower Upper

119 100

91 114.2 61.9 92.9#

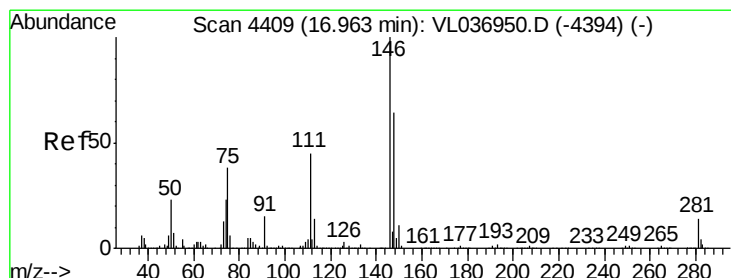
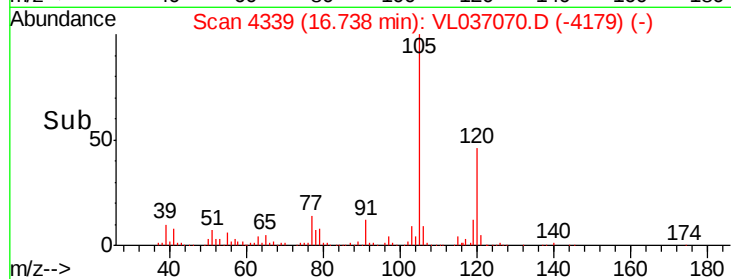
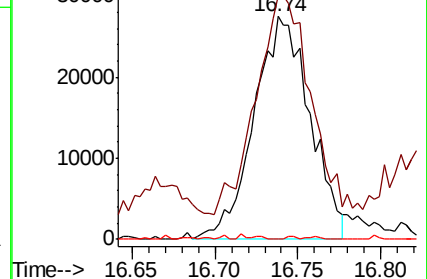
134 0.0 16.2 24.4#



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: 0.036 ppbv

RT: 16.87 min Scan# 4381

Delta R.T. -0.09 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

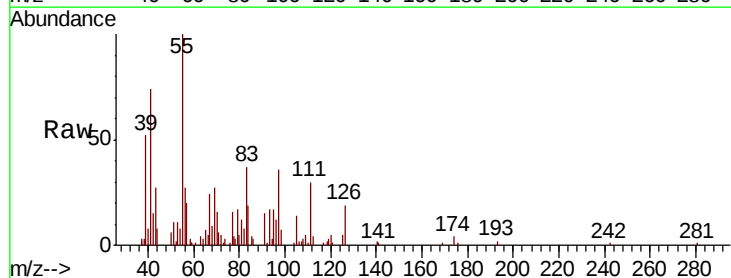
Tgt Ion: 91 Resp: 1289

Ion Ratio Lower Upper

91 100

126 296.9 16.5 24.7#

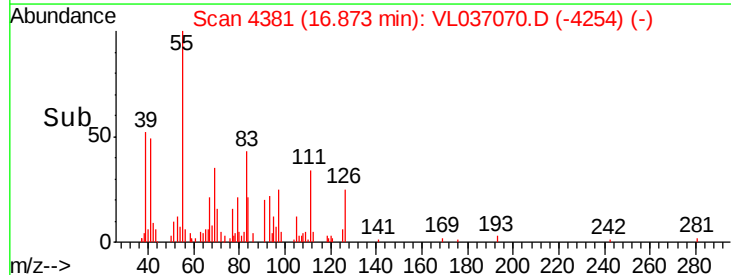
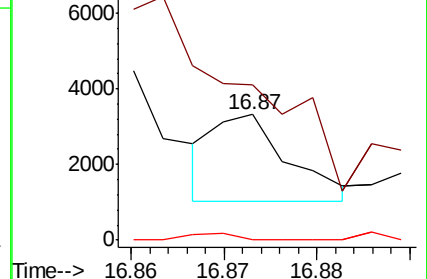
128 10.1 5.5 8.3#

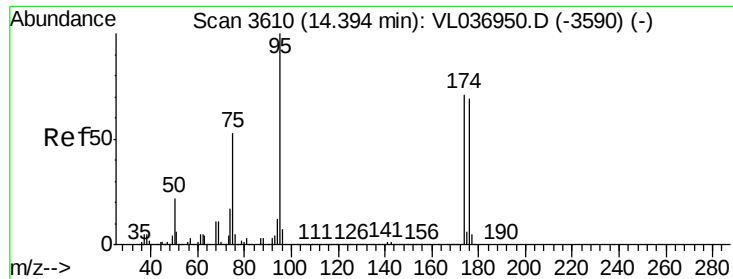


Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V

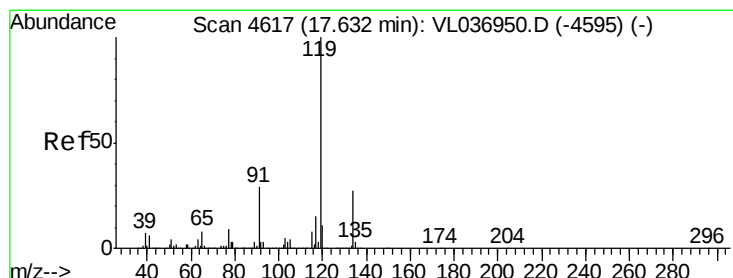
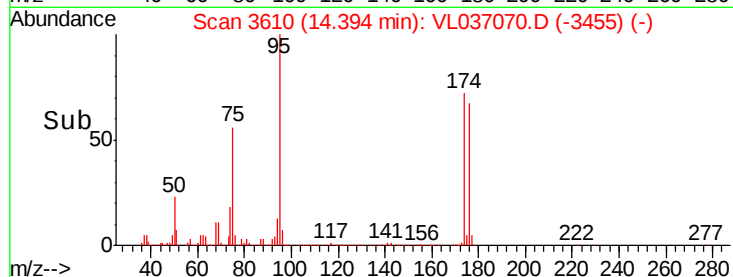
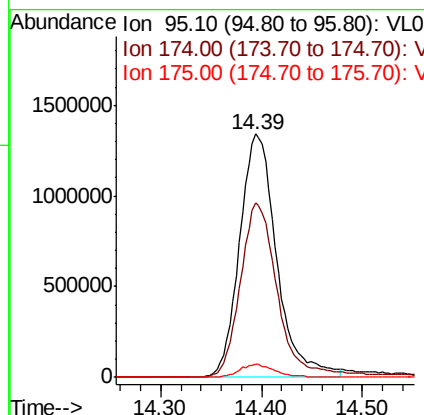
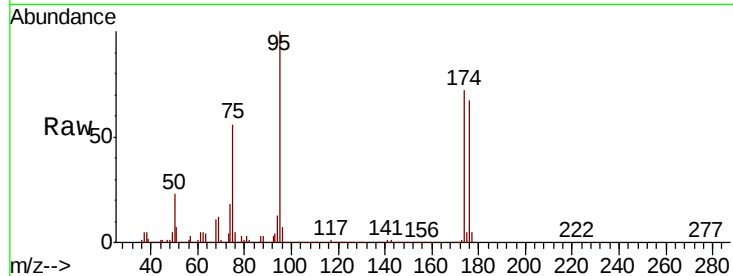




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.217 ppbv
 RT: 14.39 min Scan# 3610
 Delta R.T. -0.00 min
 Lab File: VL037070.D
 Acq: 1 Jun 2021 15:06

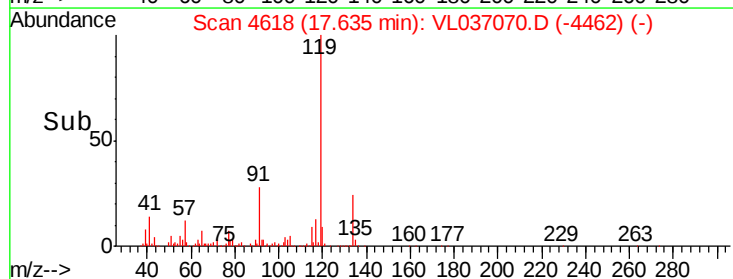
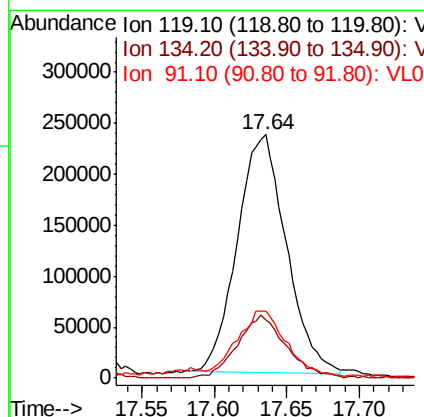
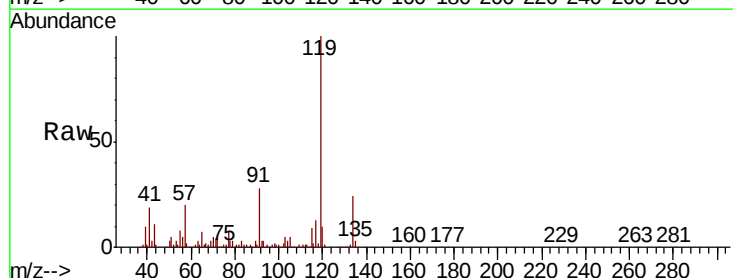
Instrument :
 MSVOA_L
 ClientSampleId :

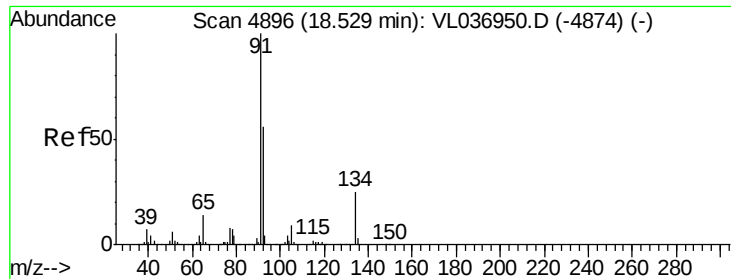
Tot Ion: 95 Resp: 3419571
 Ion Ratio Lower Upper
 95 100
 174 74.2 58.4 87.6
 175 5.3 4.4 6.6



#69
 p-Isopropyltoluene
 Concen: 0.727 ppbv
 RT: 17.64 min Scan# 4618
 Delta R.T. 0.00 min
 Lab File: VL037070.D
 Acq: 1 Jun 2021 15:06

Tgt Ion: 119 Resp: 548416
 Ion Ratio Lower Upper
 119 100
 134 26.7 21.2 31.8
 91 32.4 22.2 33.4





#70

n-Butylbenzene

Concen: 0.043 ppbv

RT: 18.54 min Scan# 4899

Delta R.T. 0.01 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

Instrument :

MSVOA_L

ClientSampled :

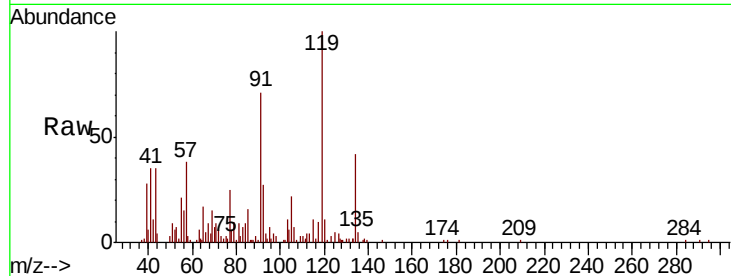
Tot Ion: 91 Resp: 30482

Ion Ratio Lower Upper

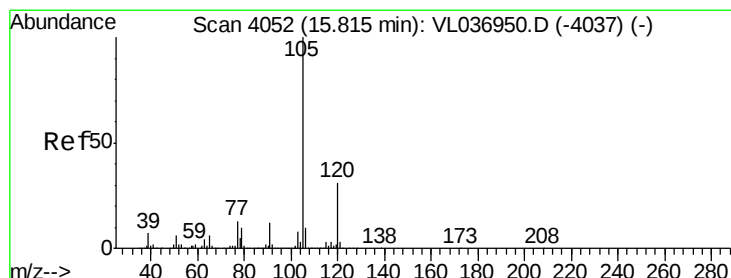
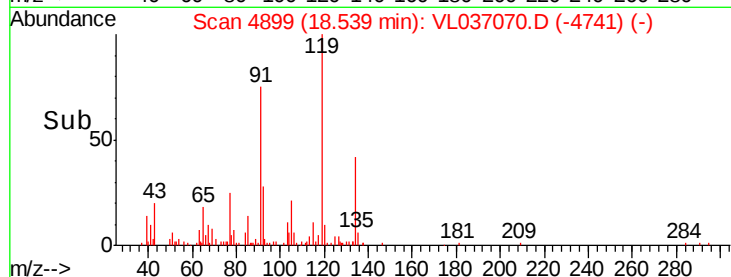
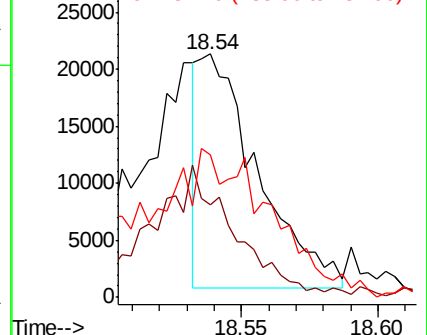
91 100

92 90.5 44.6 66.8#

134 164.2 20.2 30.2#



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



#72

4-Ethyltoluene

Concen: 0.106 ppbv

RT: 15.81 min Scan# 4051

Delta R.T. -0.00 min

Lab File: VL037070.D

Acq: 1 Jun 2021 15:06

Tgt Ion: 105 Resp: 62469

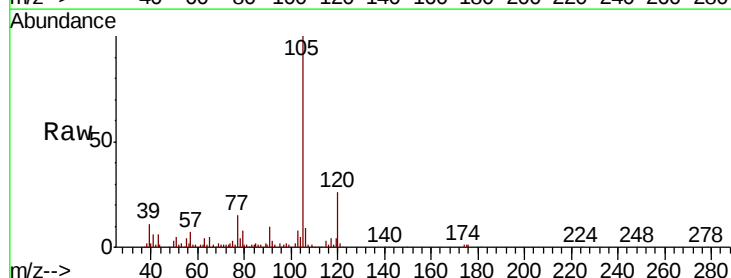
Ion Ratio Lower Upper

105 100

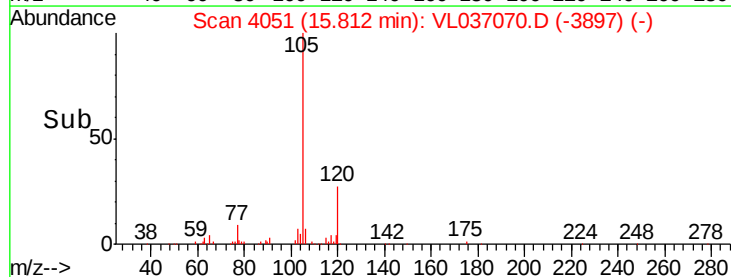
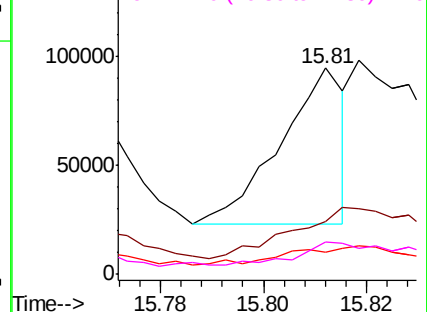
120 0.0 24.6 37.0#

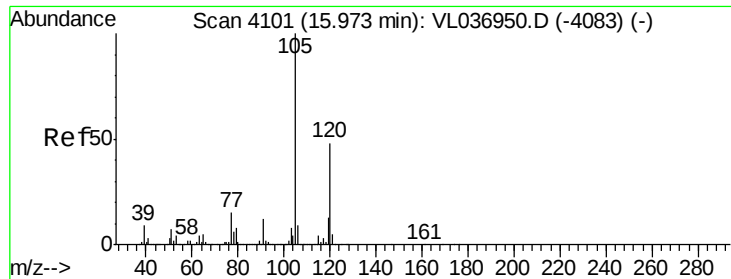
91 0.0 9.8 14.6#

77 49.0 10.4 15.6#



Abundance Ion 105.10 (104.80 to 105.80): V
Ion 120.20 (119.90 to 120.90): V
Ion 91.10 (90.80 to 91.80): VL0
Ion 77.10 (76.80 to 77.80): VL0

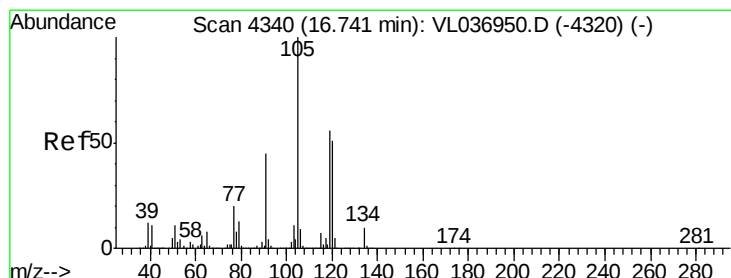
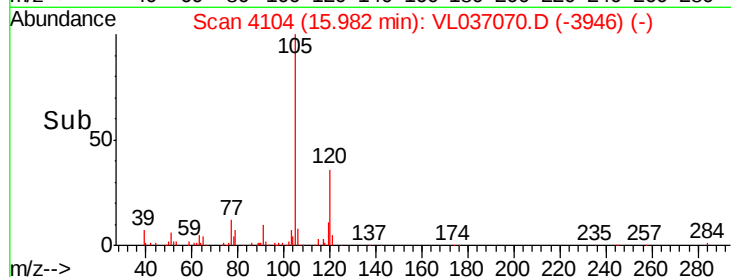
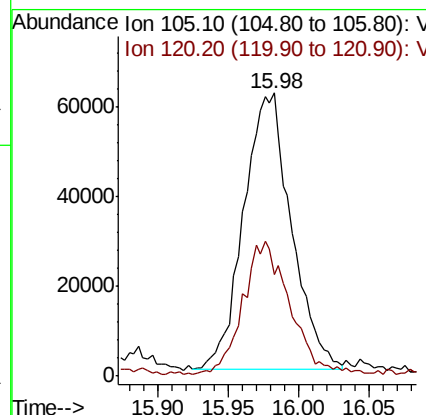
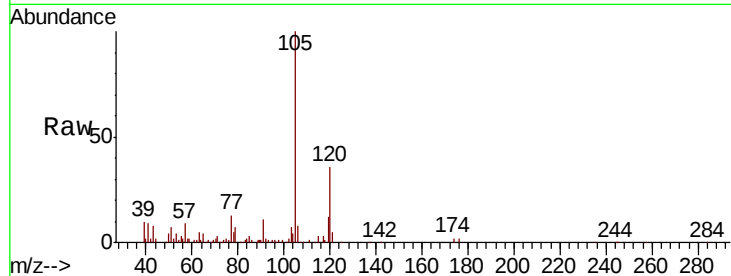




#73
 1,3,5-Trimethylbenzene
 Concen: 0.264 ppbv
 RT: 15.98 min Scan# 4104
 Delta R.T. 0.01 min
 Lab File: VL037070.D
 Acq: 1 Jun 2021 15:06

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:105 Resp: 145763
 Ion Ratio Lower Upper
 105 100
 120 36.3 38.6 58.0#



#74
 1,2,4-Trimethylbenzene
 Concen: 1.044 ppbv
 RT: 16.74 min Scan# 4341
 Delta R.T. 0.00 min
 Lab File: VL037070.D
 Acq: 1 Jun 2021 15:06

Tgt Ion:105 Resp: 596579
 Ion Ratio Lower Upper
 105 100
 120 44.3 40.6 61.0
 91 10.2 37.4 56.0#
 77 13.2 16.2 24.4#

