

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL022621\
 Data File : VL036404.D
 Acq On : 26 Feb 2021 16:15
 Operator : SY/AP
 Sample : M1502-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Feb 27 03:17:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Feb 10 16:04:02 2021
 QLast Update : Wed Feb 10 16:04:02 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1522476	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.14	114	3397382	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.05	117	3070578	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2521096	9.98	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.80%

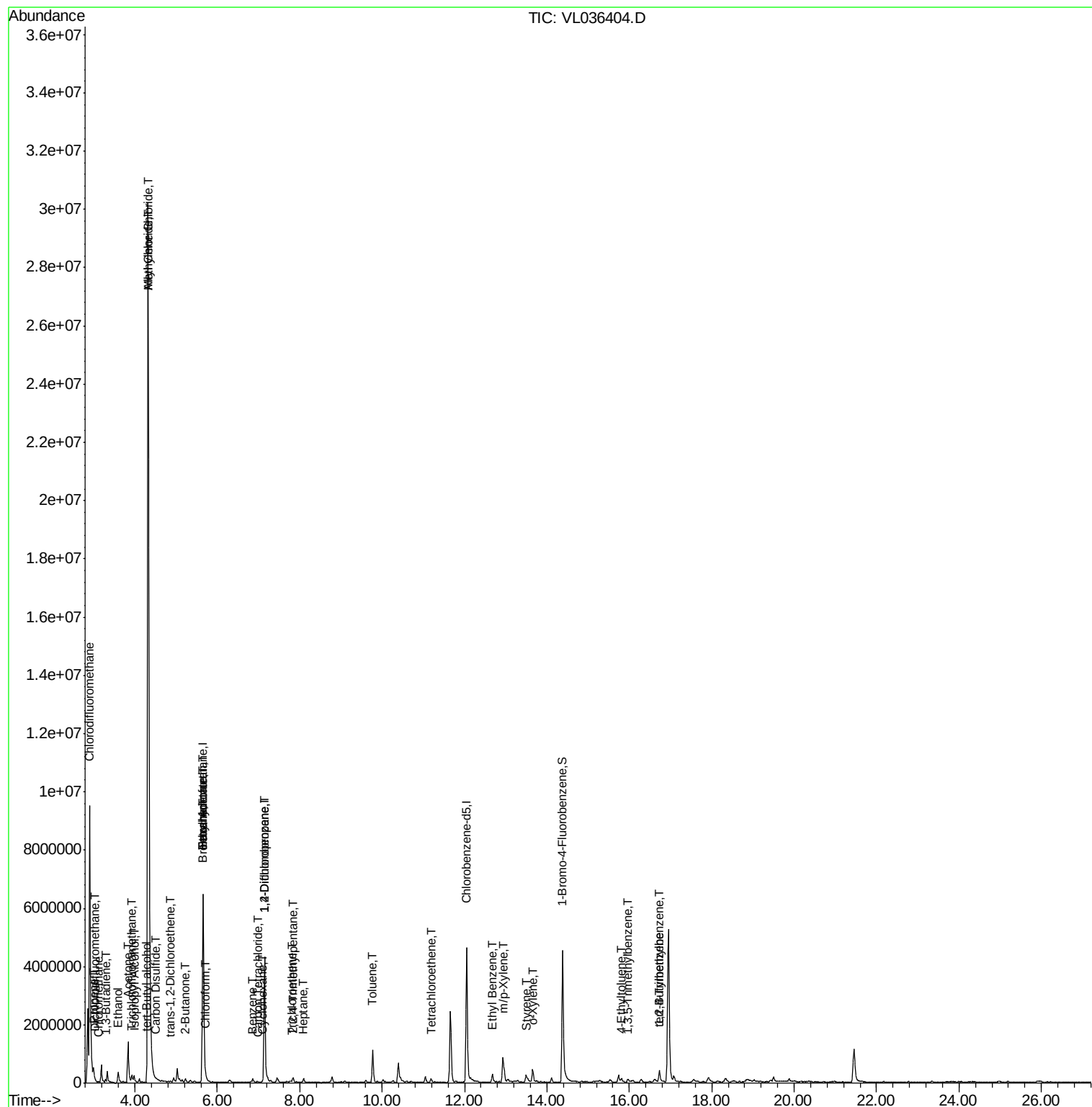
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.02	85	60052	0.264	ppbv 95
3) Chlorodifluoromethane	2.90	51	1684885	8.907	ppbv # 59
4) Chloromethane	3.12	50	27668	0.303	ppbv 90
9) Propene	2.99	41	120361	1.707	ppbv 84
10) Heptane	8.10	43	59787	0.288	ppbv 90
11) Trichlorofluoromethane	3.92	101	143878	0.647	ppbv 95
13) Ethanol	3.59	45	511082	38.580	ppbv 89
15) Acetone	3.83	43	1817022	9.764	ppbv 98
16) 1,3-Butadiene	3.29	39	14966	0.168	ppbv # 81
17) tert-Butyl alcohol	4.28	59	5377	0.037	ppbv # 1
19) Isopropyl Alcohol	3.98	45	45042	0.437	ppbv # 93
20) Methylene Chloride	4.32	84	14716173	245.100	ppbv # 67
21) Allyl Chloride	4.32	41	789198	7.617	ppbv # 20
22) trans-1,2-Dichloroethene	4.86	96	3449	0.061	ppbv # 43
25) Ethyl Acetate	5.66	43	1777680	4.948	ppbv # 77
26) Hexane	5.66	57	2402974	16.278	ppbv # 37
27) Carbon Disulfide	4.52	76	25622	0.189	ppbv # 57
29) Chloroform	5.73	83	17424	0.073	ppbv 93
30) Cyclohexane	7.10	84	9393	0.077	ppbv # 1
34) 2-Butanone	5.22	43	84476	0.374	ppbv # 51
35) Carbon Tetrachloride	6.99	117	9444	0.041	ppbv # 62
36) Benzene	6.86	78	95034	0.329	ppbv 94
38) Trichloroethene	7.81	130	5668	0.055	ppbv # 79
39) 1,2-Dichloropropane	7.14	63	974776	8.315	ppbv # 22
41) Tetrahydrofuran	5.65	42	961073	7.630	ppbv # 52
44) 2,2,4-Trimethylpentane	7.84	57	64835	0.124	ppbv # 25
52) Tetrachloroethene	11.19	164	17613	0.167	ppbv # 83
53) Toluene	9.77	91	855442	2.737	ppbv 100
58) Ethyl Benzene	12.68	91	249804	0.594	ppbv 94
59) m/p-Xylene	12.93	91	910249	2.465	ppbv 95
60) o-Xylene	13.65	91	351399	0.995	ppbv 99
61) Styrene	13.50	104	69447	0.317	ppbv # 12
65) tert-Butylbenzene	16.72	119	13826	0.031	ppbv # 15
72) 4-Ethyltoluene	15.81	105	108224	0.275	ppbv 95
73) 1,3,5-Trimethylbenzene	15.96	105	43959	0.115	ppbv 90
74) 1,2,4-Trimethylbenzene	16.73	105	141856	0.365	ppbv # 72

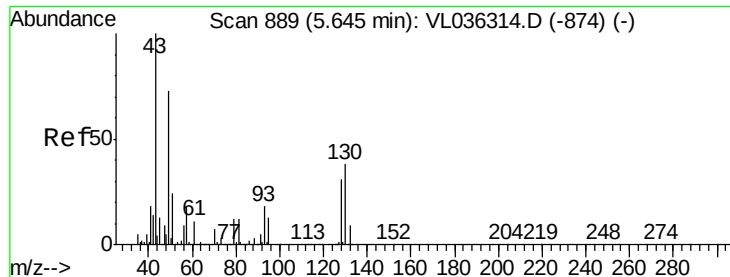
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL022621\
Data File : VL036404.D
Acq On : 26 Feb 2021 16:15
Operator : SY/AP
Sample : M1502-03
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Feb 27 03:17:28 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL021021AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Feb 10 16:04:02 2021
QLast Update : Wed Feb 10 16:04:02 2021
Response via : Initial Calibration

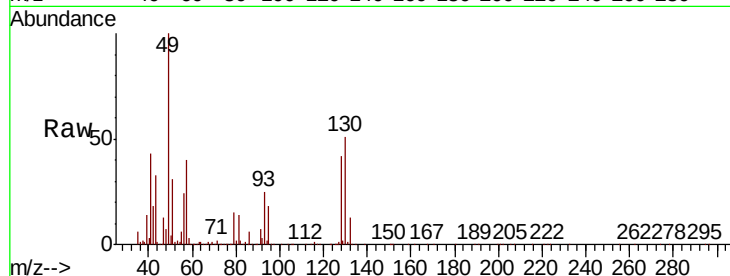




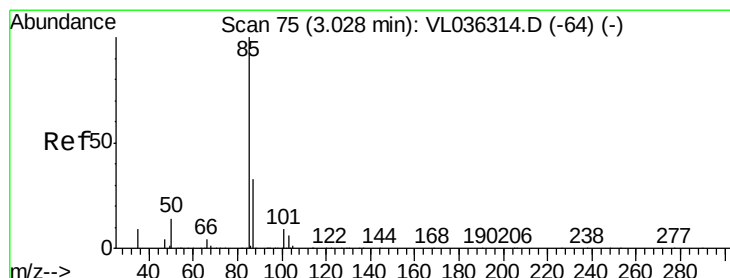
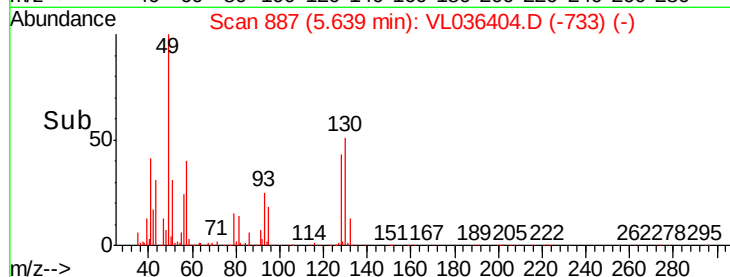
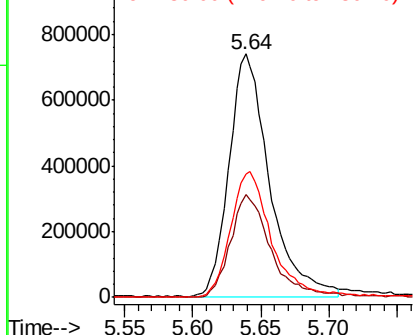
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 887
Delta R.T. -0.01 min
Lab File: VL036404.D
Acq: 26 Feb 2021 16:15

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1522476
Ion Ratio Lower Upper
49 100
128 43.4 20.8 62.5
130 54.0 26.7 80.1

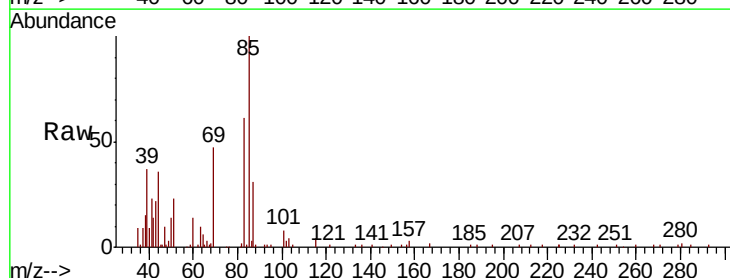


Abundance Ion 49.10 (48.80 to 49.80): VL0
Ion 128.00 (127.70 to 128.70): V
Ion 130.00 (129.70 to 130.70): V

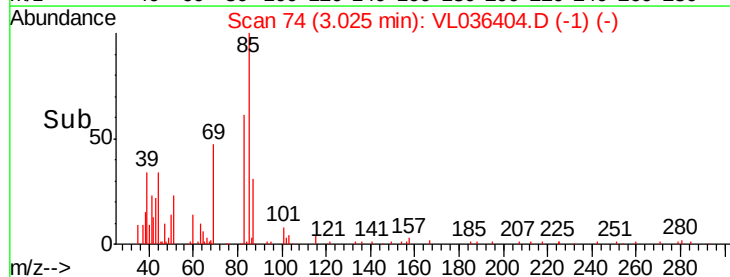
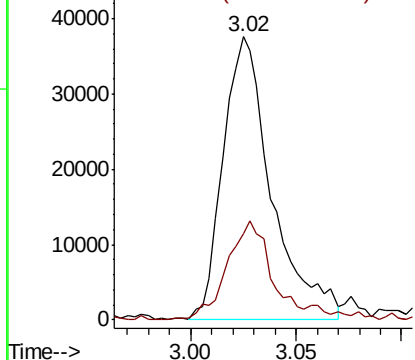


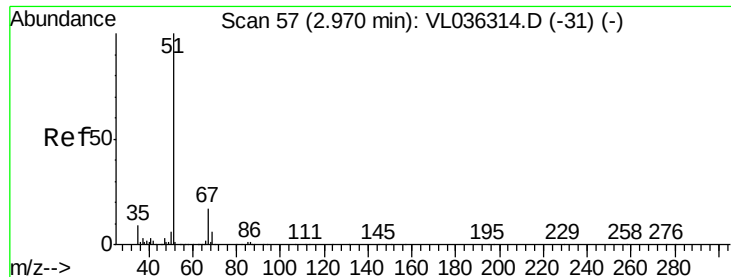
#2
Dichlorodifluoromethane
Concen: 0.264 ppbv
RT: 3.02 min Scan# 74
Delta R.T. -0.00 min
Lab File: VL036404.D
Acq: 26 Feb 2021 16:15

Tgt Ion: 85 Resp: 60052
Ion Ratio Lower Upper
85 100
87 30.2 26.5 39.7



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 8.907 ppbv

RT: 2.90 min Scan# 35

Delta R.T. -0.07 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

Instrument :

MSVOA_L

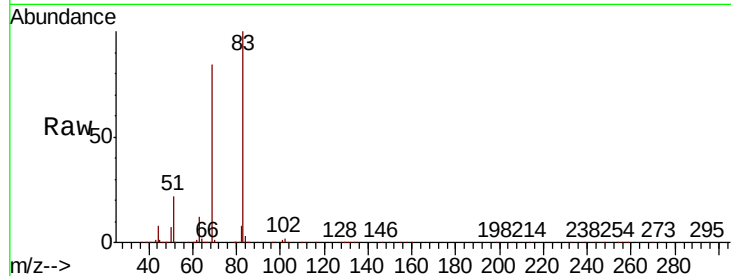
ClientSampleId :

Tot Ion: 51 Resp: 1684885

Ion Ratio Lower Upper

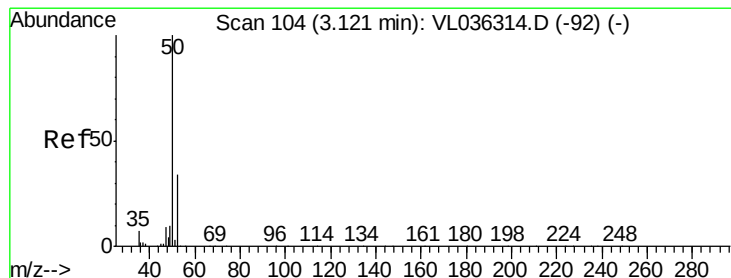
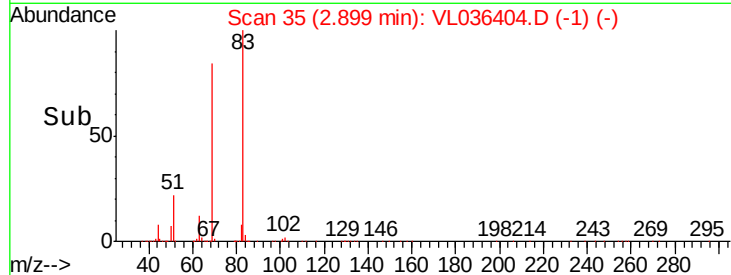
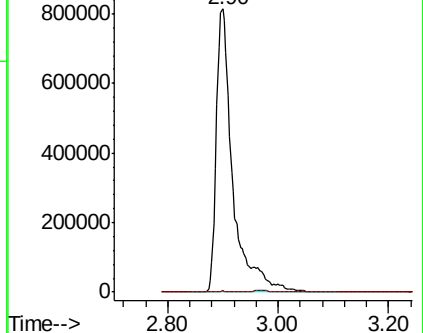
51 100

67 0.2 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.303 ppbv

RT: 3.12 min Scan# 104

Delta R.T. 0.00 min

Lab File: VL036404.D

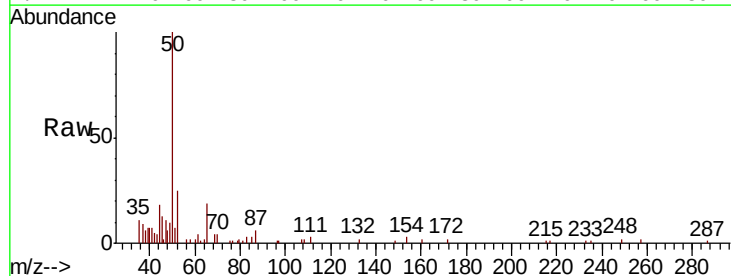
Acq: 26 Feb 2021 16:15

Tgt Ion: 50 Resp: 27668

Ion Ratio Lower Upper

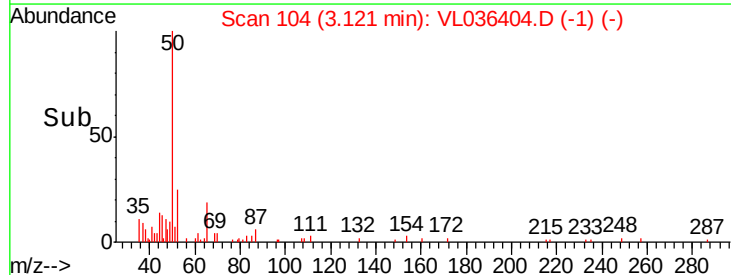
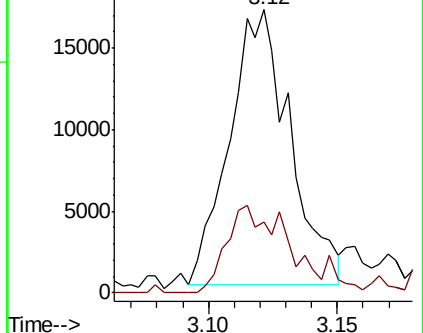
50 100

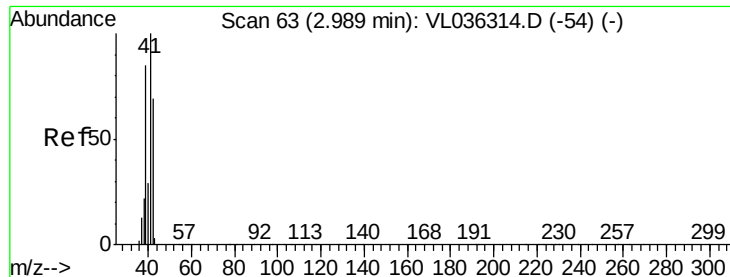
52 27.9 27.0 40.4



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 1.707 ppbv

RT: 2.99 min Scan# 63

Delta R.T. 0.00 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

Instrument :

MSVOA_L

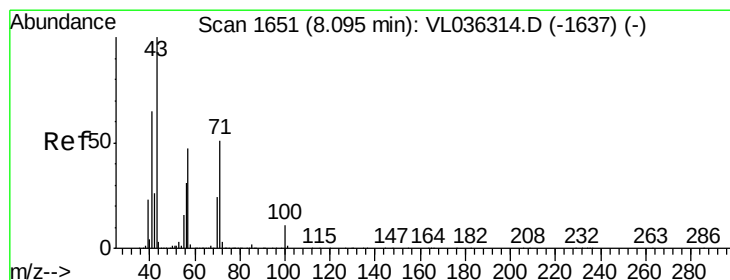
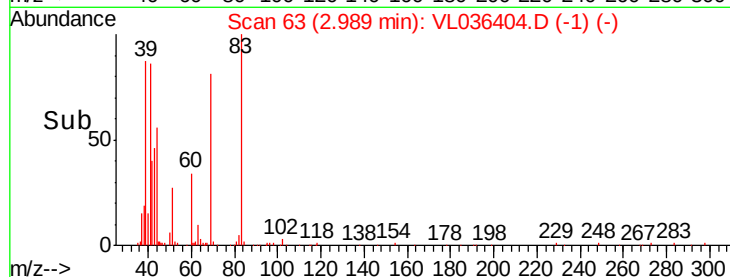
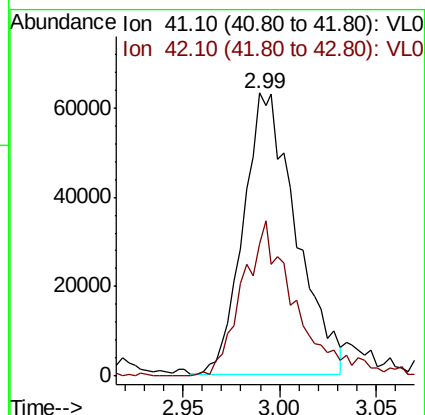
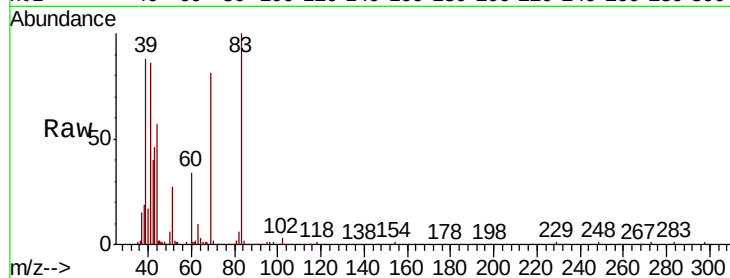
ClientSampleId :

Tot Ion: 41 Resp: 120361

Ion Ratio Lower Upper

41 100

42 57.4 56.2 84.2



#10

Heptane

Concen: 0.288 ppbv

RT: 8.10 min Scan# 1651

Delta R.T. 0.00 min

Lab File: VL036404.D

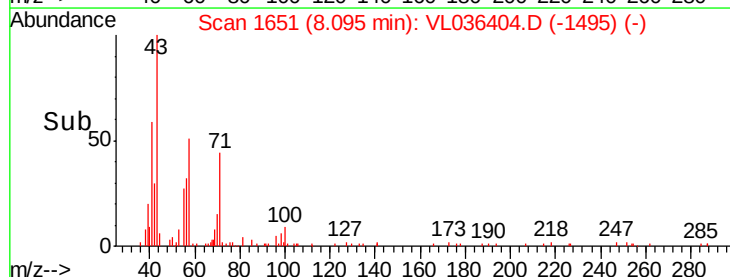
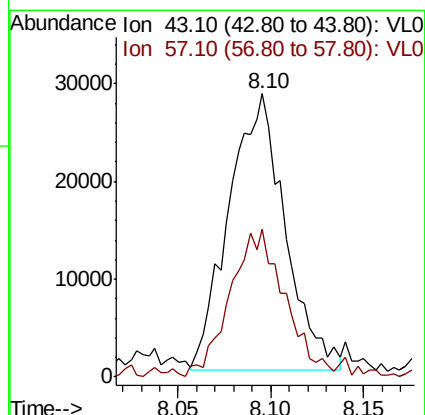
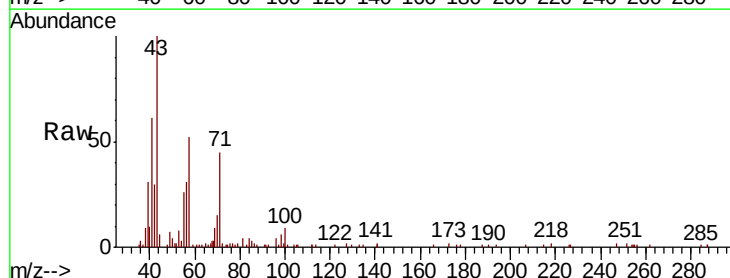
Acq: 26 Feb 2021 16:15

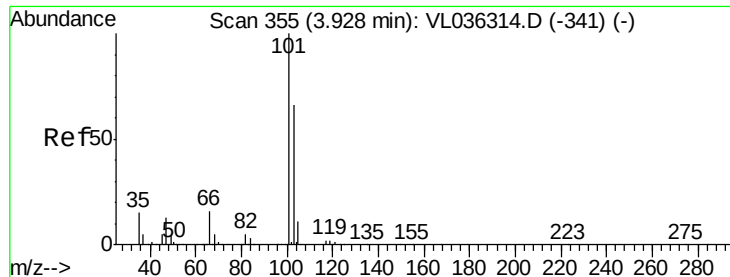
Tgt Ion: 43 Resp: 59787

Ion Ratio Lower Upper

43 100

57 56.4 39.4 59.2





#11

Trichlorofluoromethane

Concen: 0.647 ppbv

RT: 3.92 min Scan# 353

Delta R.T. -0.01 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

Instrument :

MSVOA_L

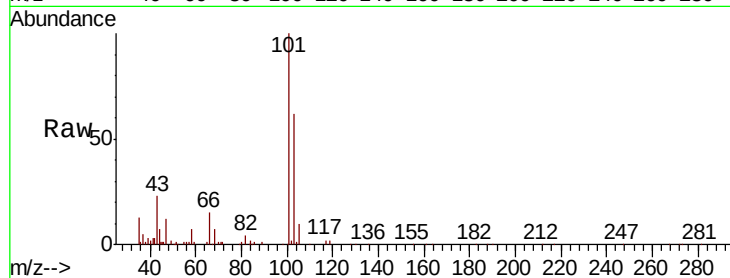
ClientSampleId :

Tot Ion:101 Resp: 143878

Ion Ratio Lower Upper

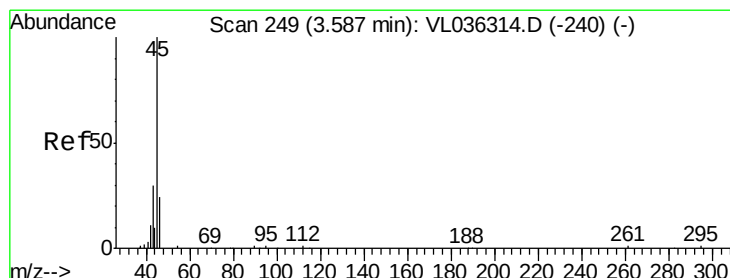
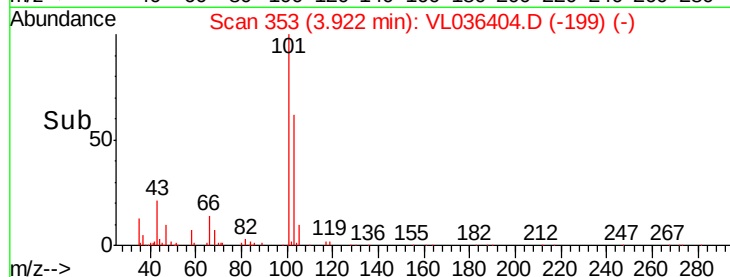
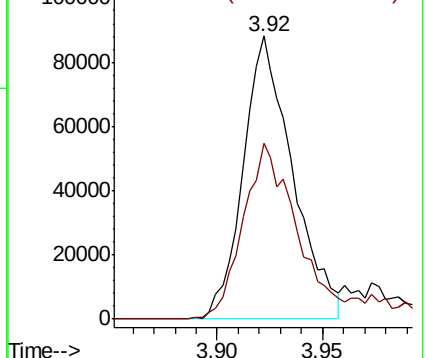
101 100

103 62.3 52.9 79.3



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 38.580 ppbv

RT: 3.59 min Scan# 250

Delta R.T. 0.00 min

Lab File: VL036404.D

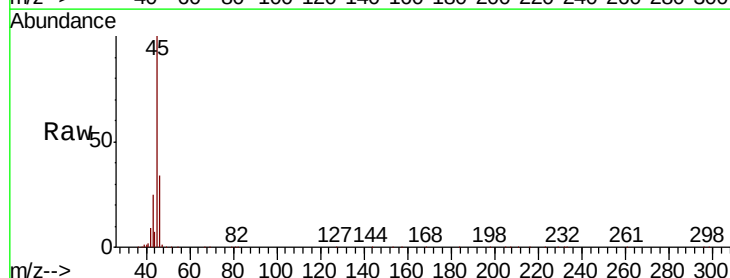
Acq: 26 Feb 2021 16:15

Tgt Ion: 45 Resp: 511082

Ion Ratio Lower Upper

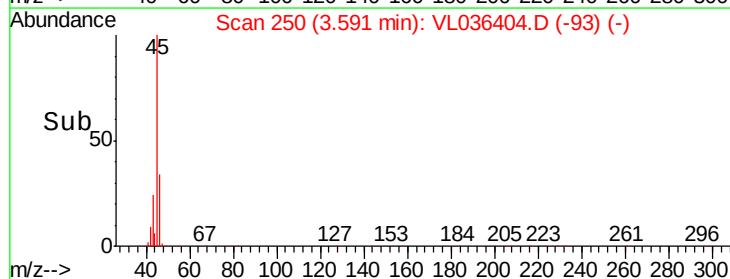
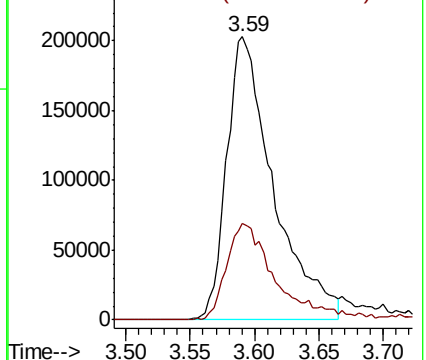
45 100

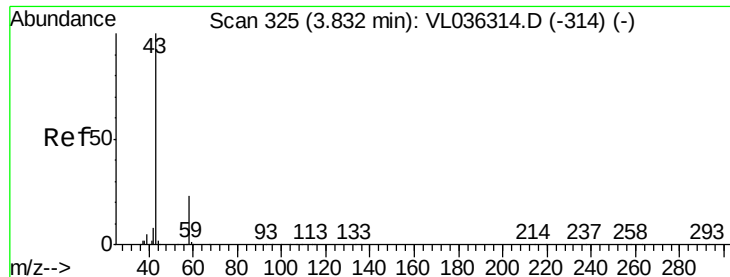
46 37.3 17.7 70.7



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

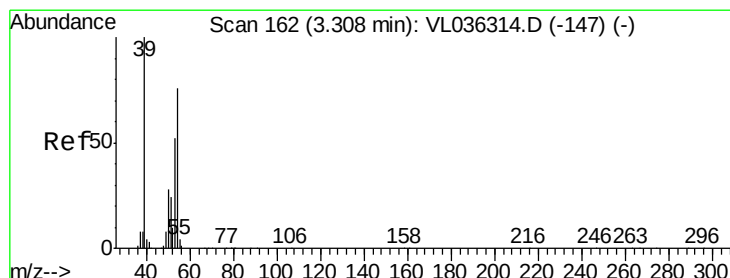
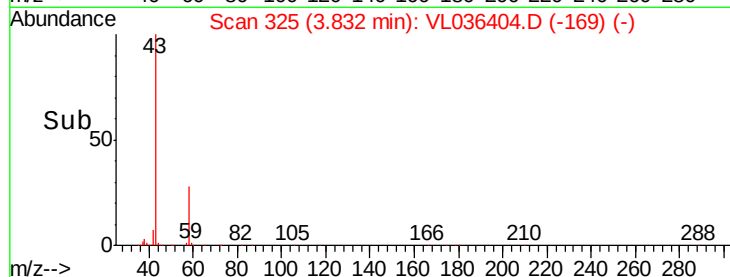
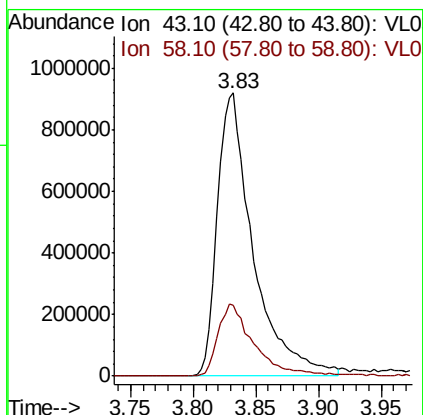
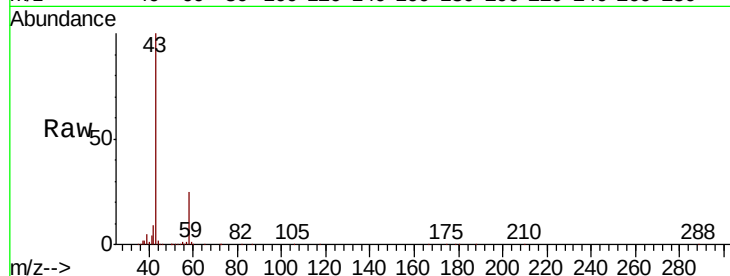




#15
Acetone
Concen: 9.764 ppbv
RT: 3.83 min Scan# 325
Delta R.T. 0.00 min
Lab File: VL036404.D
Acq: 26 Feb 2021 16:15

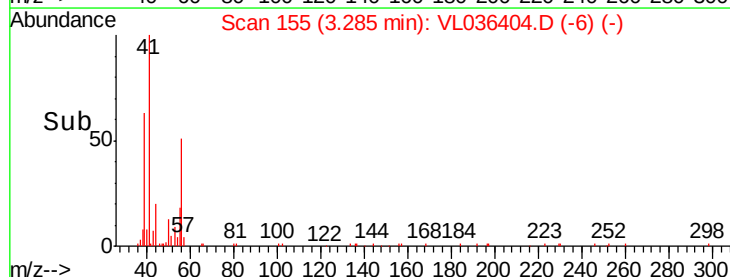
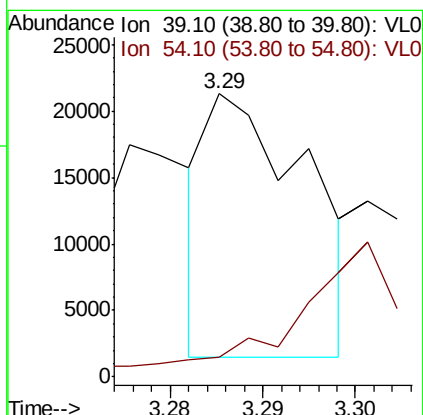
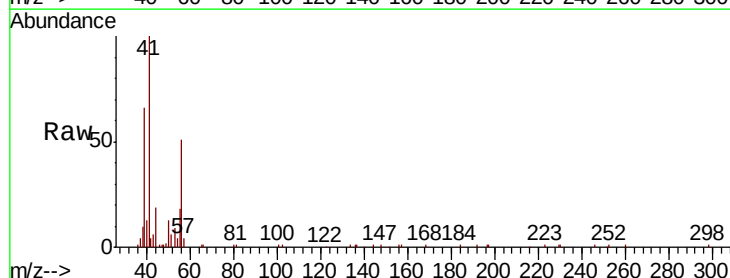
Instrument :
MSVOA_L
ClientSampleId :

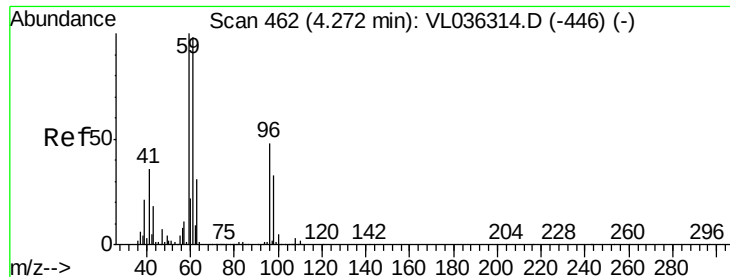
Tot Ion: 43 Resp: 1817022
Ion Ratio Lower Upper
43 100
58 26.3 20.3 30.5



#16
1,3-Butadiene
Concen: 0.168 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.02 min
Lab File: VL036404.D
Acq: 26 Feb 2021 16:15

Tgt Ion: 39 Resp: 14966
Ion Ratio Lower Upper
39 100
54 97.2 64.4 96.6#





#17

tert-Butyl alcohol

Concen: 0.037 ppbv

RT: 4.28 min Scan# 463

Delta R.T. 0.00 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

Instrument :

MSVOA_L

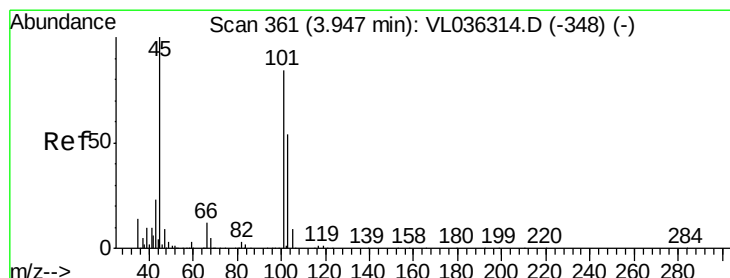
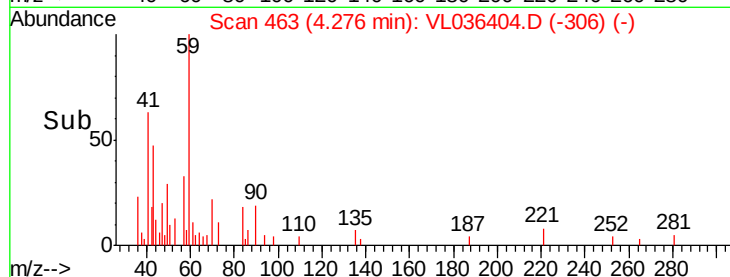
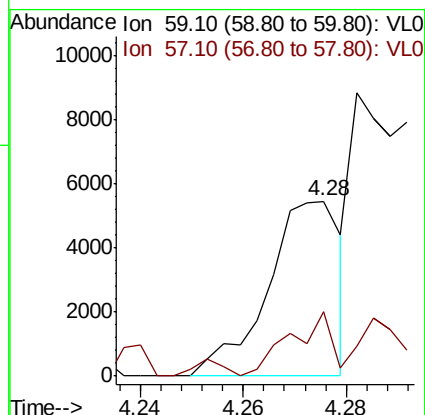
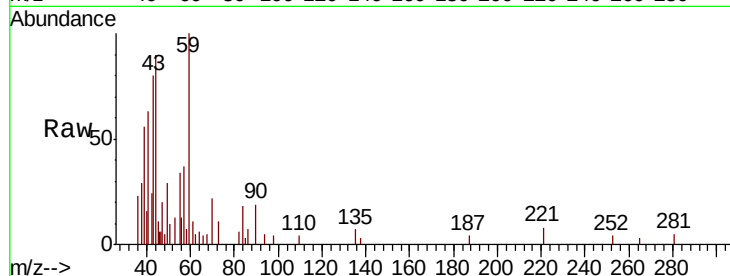
ClientSampleId :

Tot Ion: 59 Resp: 5377

Ion Ratio Lower Upper

59 100

57 69.6 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 0.437 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.03 min

Lab File: VL036404.D

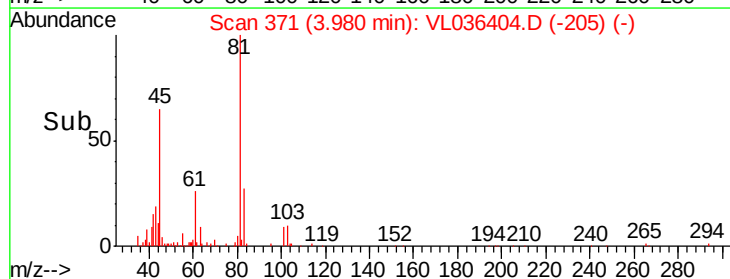
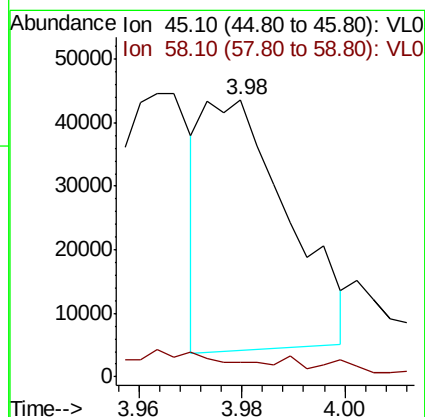
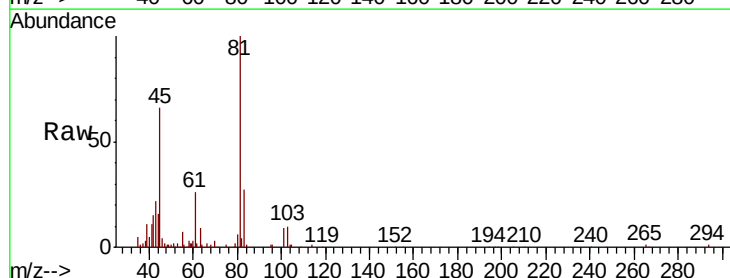
Acq: 26 Feb 2021 16:15

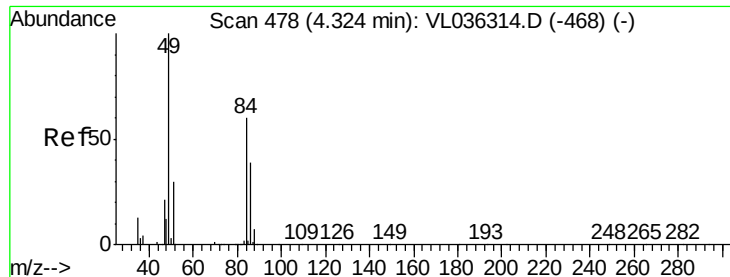
Tgt Ion: 45 Resp: 45042

Ion Ratio Lower Upper

45 100

58 0.0 1.9 2.9#

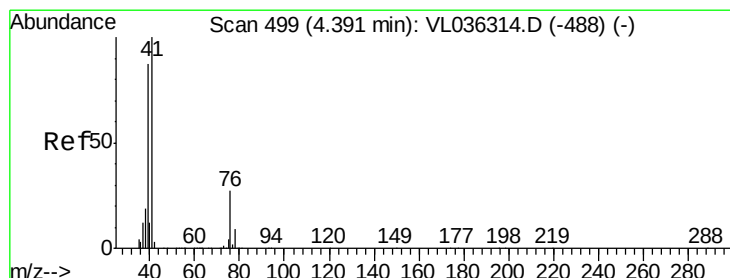
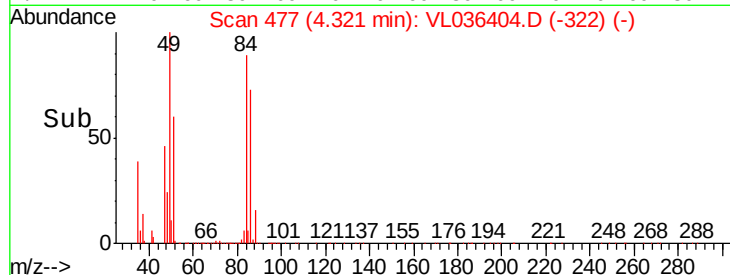
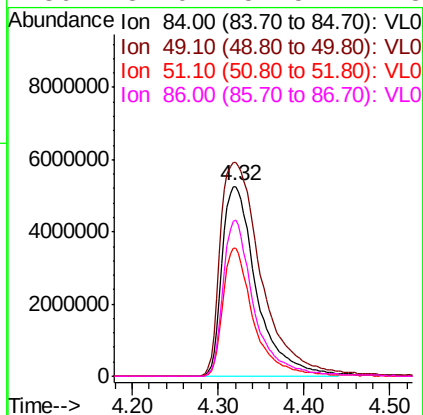
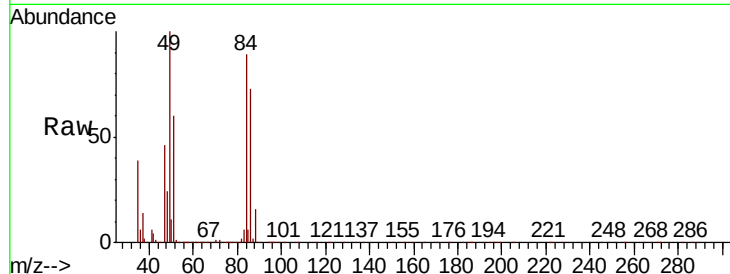




#20
Methvlene Chloride
Concen: 245.100 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.00 min
Lab File: VL036404.D
Acq: 26 Feb 2021 16:15

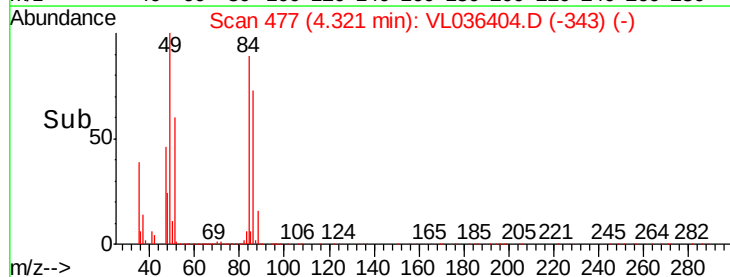
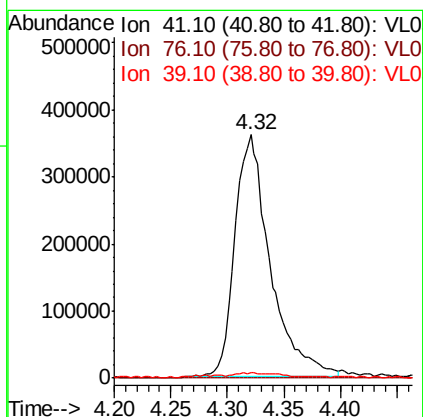
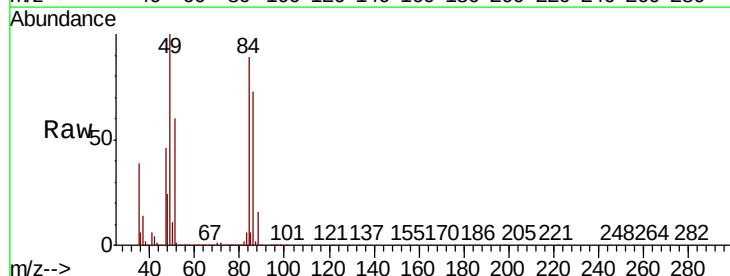
Instrument :
MSVOA_L
ClientSampleId :

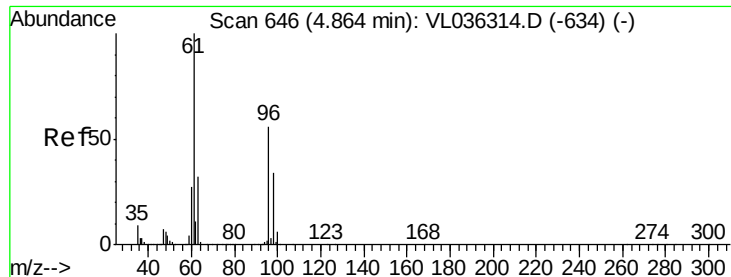
Tot Ion: 84 Resp:14716173
Ion Ratio Lower Upper
84 100
49 112.2 133.8 200.8#
51 67.1 41.4 62.0#
86 82.0 51.5 77.3#



#21
Allyl Chloride
Concen: 7.617 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.07 min
Lab File: VL036404.D
Acq: 26 Feb 2021 16:15

Tgt Ion: 41 Resp: 789198
Ion Ratio Lower Upper
41 100
76 0.0 22.0 33.0#
39 5.3 70.2 105.2#





#22

trans-1,2-Dichloroethene

Concen: 0.061 ppbv

RT: 4.86 min Scan# 646

Delta R.T. 0.00 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

Instrument :

MSVOA_L

ClientSampleId :

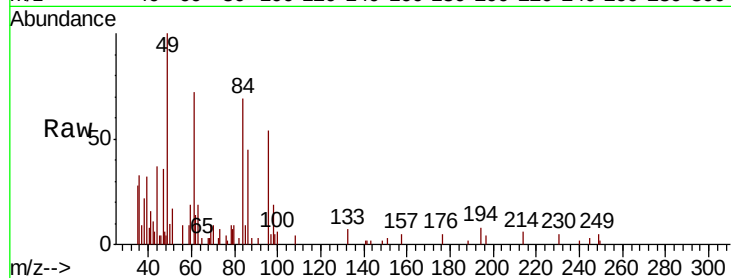
Tot Ion: 96 Resp: 3449

Ion Ratio Lower Upper

96 100

61 100.7 143.7 215.5#

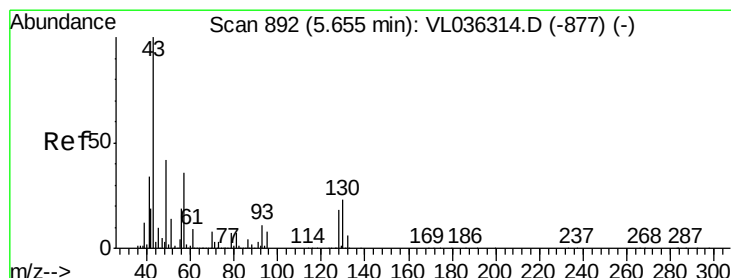
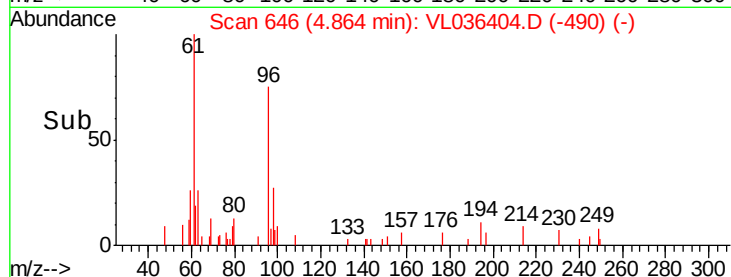
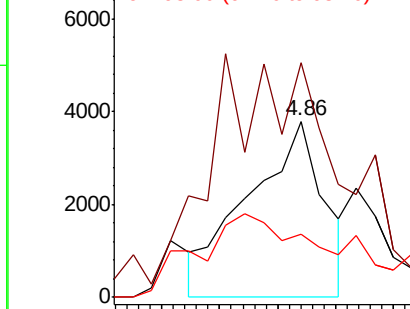
98 15.6 48.5 72.7#



Abundance Ion 96.00 (95.70 to 96.70): VL0

Ion 61.10 (60.80 to 61.80): VL0

Ion 98.00 (97.70 to 98.70): VL0



#25

Ethyl Acetate

Concen: 4.948 ppbv

RT: 5.66 min Scan# 893

Delta R.T. 0.00 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

Tgt Ion: 43 Resp: 1777680

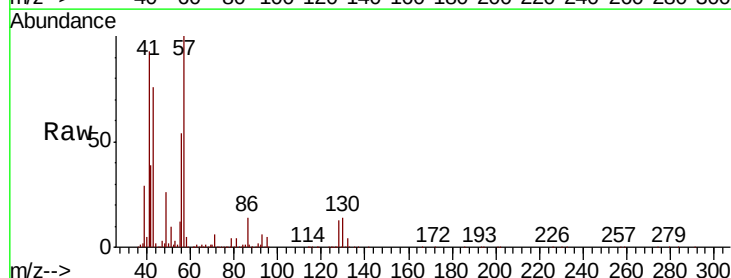
Ion Ratio Lower Upper

43 100

45 0.2 8.3 12.5#

61 0.2 7.3 10.9#

70 1.4 5.4 8.0#

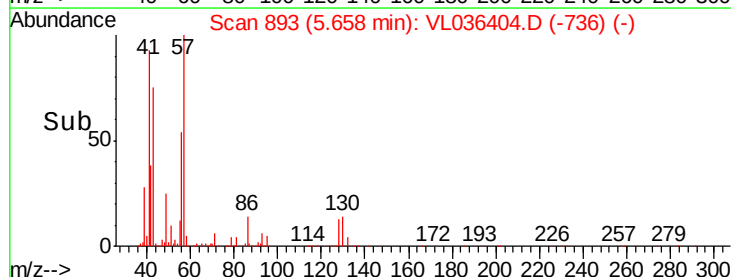
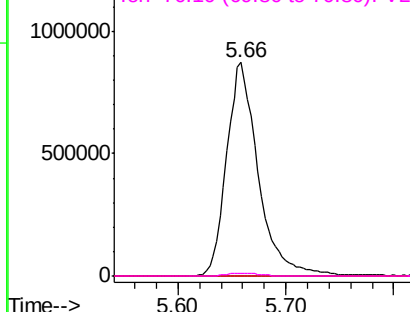


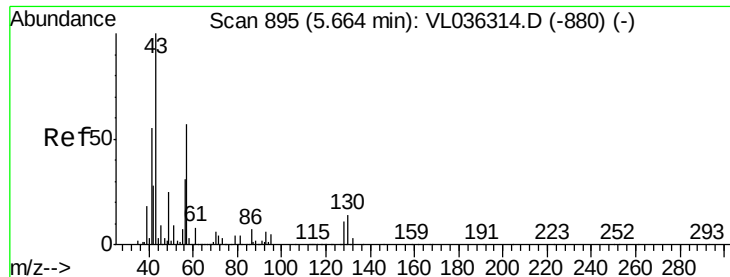
Abundance Ion 43.10 (42.80 to 43.80): VL0

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: 16.278 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

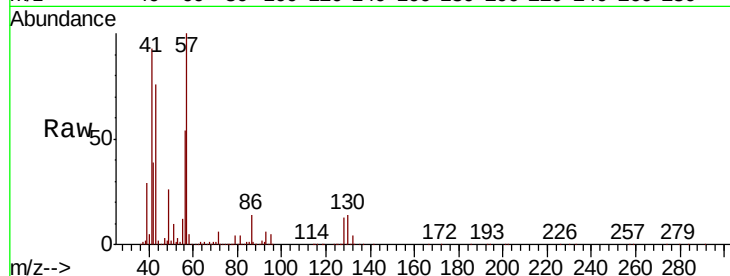
Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

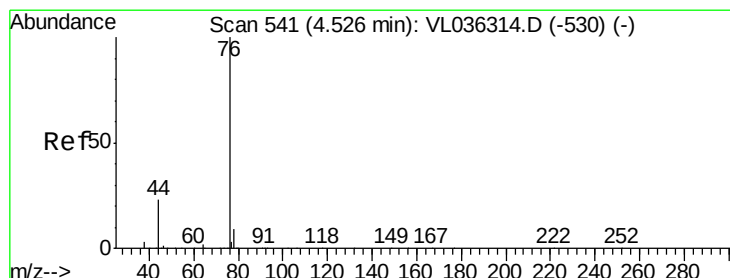
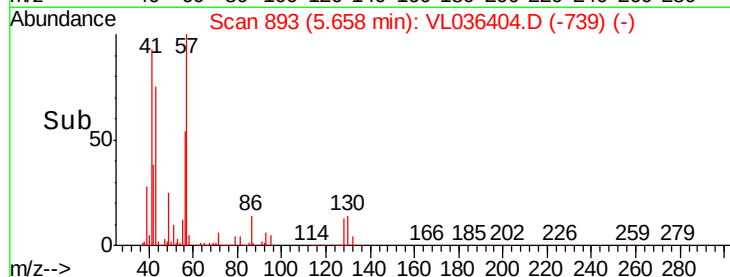
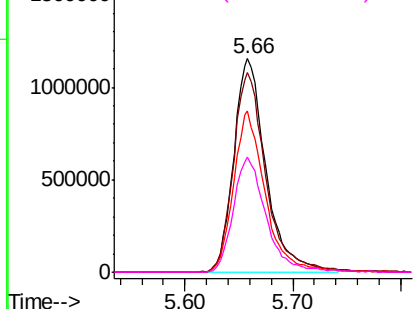
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 2402974

Ion	Ratio	Lower	Upper
57	100		
41	95.7	81.7	122.5
43	74.7	199.1	298.7#
56	55.3	44.0	66.0



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: 0.189 ppbv

RT: 4.52 min Scan# 539

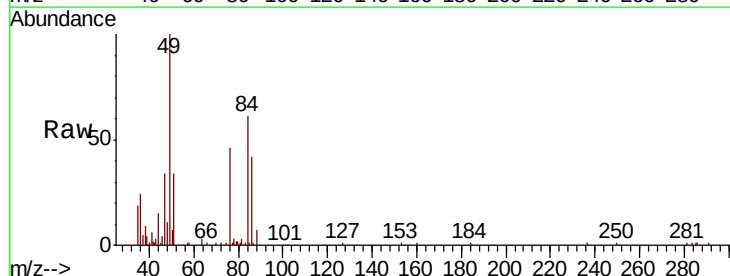
Delta R.T. -0.01 min

Lab File: VL036404.D

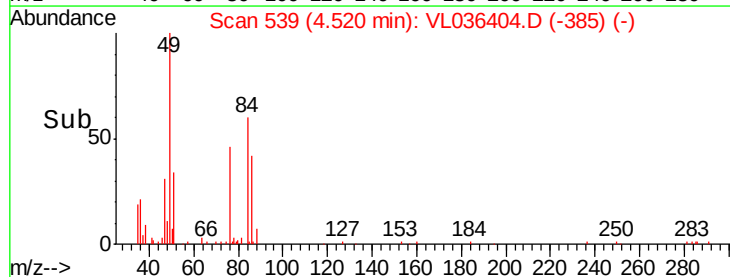
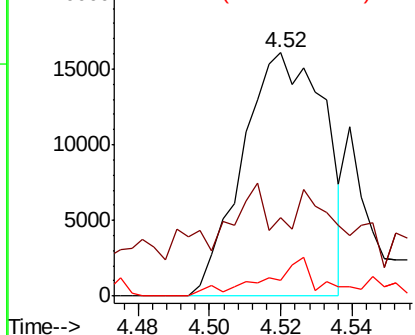
Acq: 26 Feb 2021 16:15

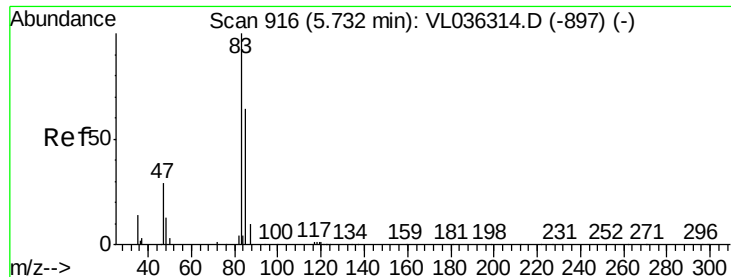
Tgt Ion: 76 Resp: 25622

Ion	Ratio	Lower	Upper
76	100		
44	50.8	18.4	27.6#
78	13.5	8.0	12.0#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0





#29

Chloroform

Concen: 0.073 ppbv

RT: 5.73 min Scan# 914

Delta R.T. -0.01 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

Instrument :

MSVOA_L

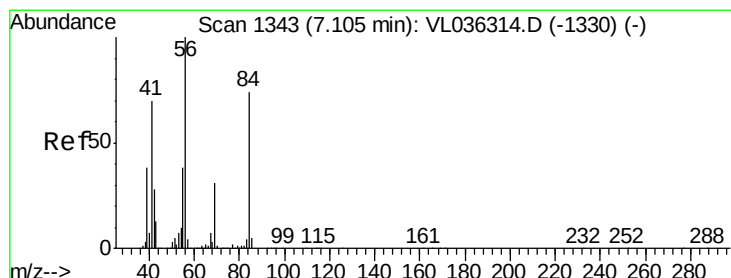
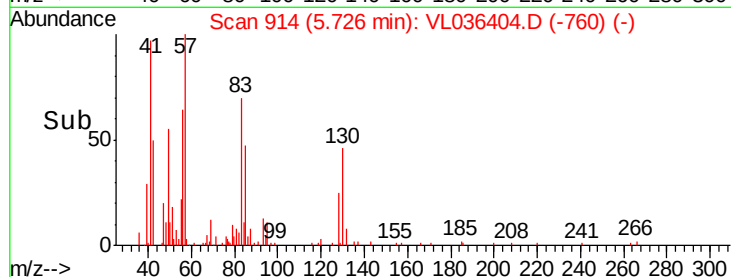
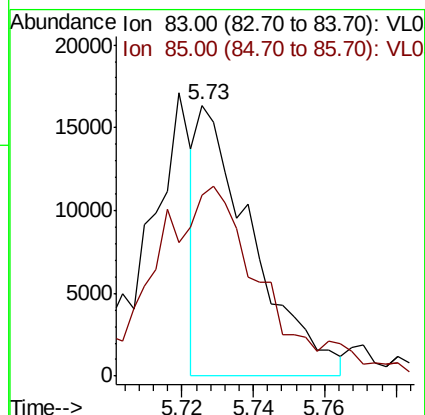
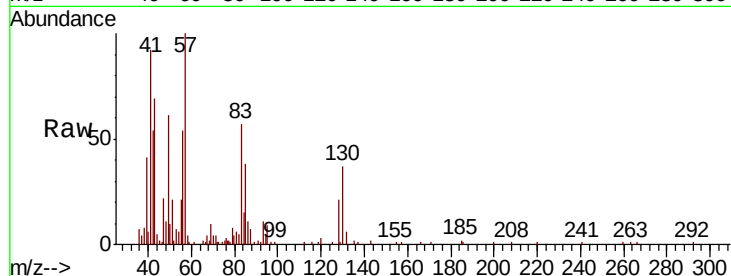
ClientSampleId :

Tot Ion: 83 Resp: 17424

Ion Ratio Lower Upper

83 100

85 59.1 51.4 77.2



#30

Cyclohexane

Concen: 0.077 ppbv

RT: 7.10 min Scan# 1341

Delta R.T. -0.01 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

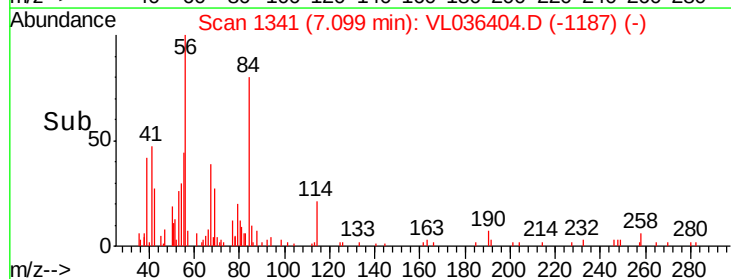
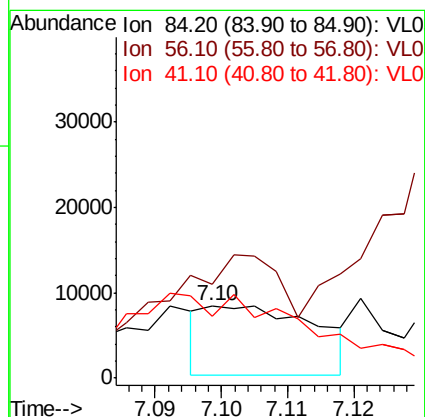
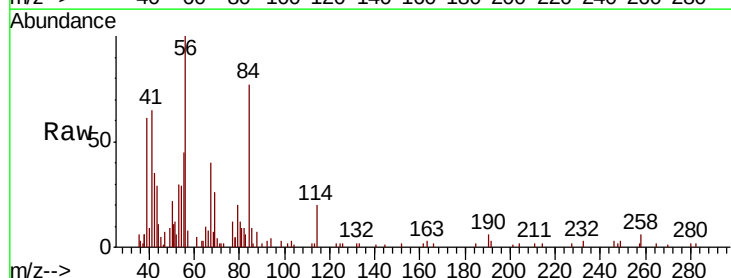
Tgt Ion: 84 Resp: 9393

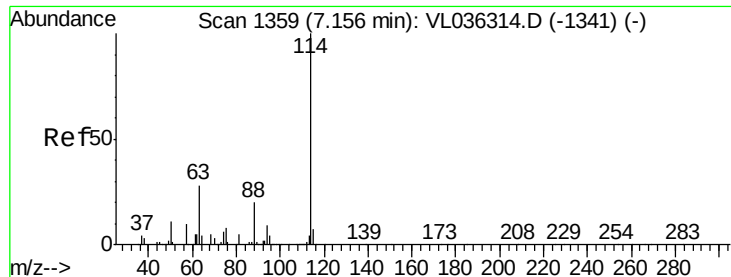
Ion Ratio Lower Upper

84 100

56 0.0 120.2 180.4#

41 0.0 79.7 119.5#



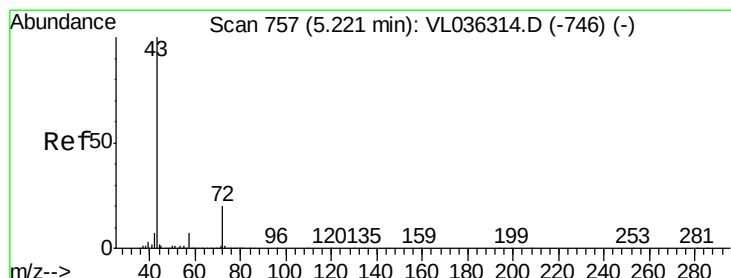
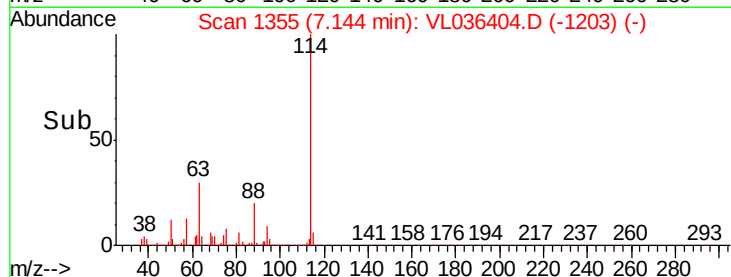
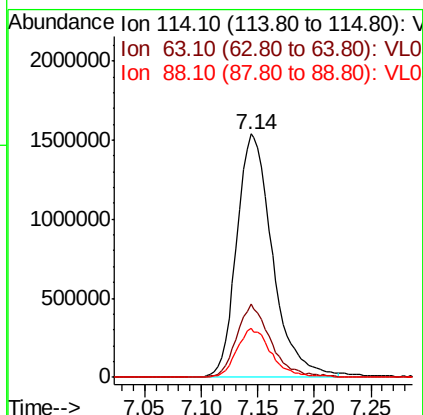
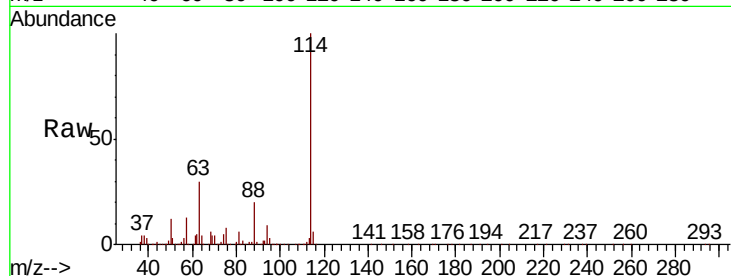


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL036404.D
 Acq: 26 Feb 2021 16:15

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3397382

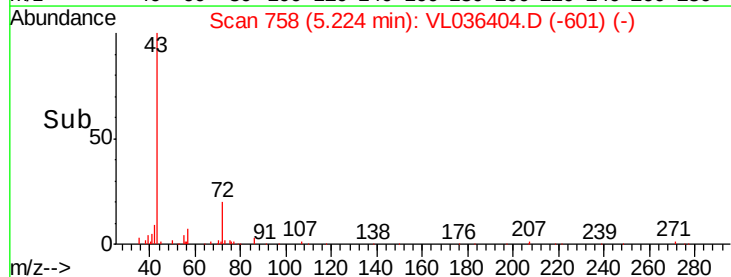
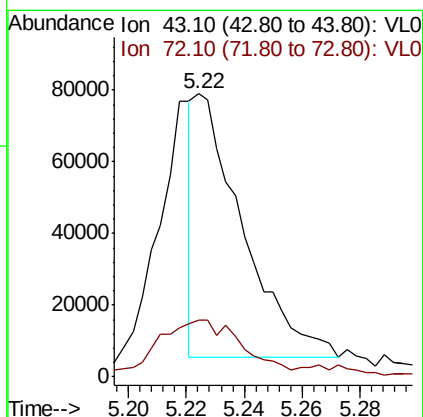
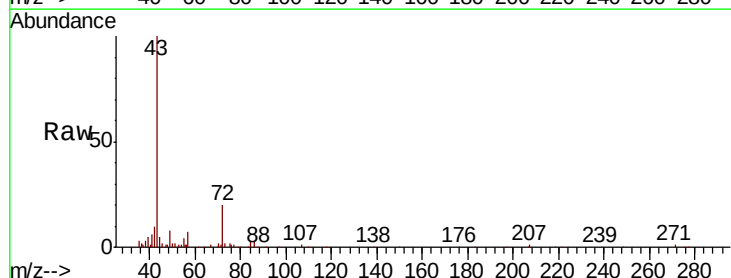
Ion	Ratio	Lower	Upper
114	100		
63	29.2	24.1	36.1
88	19.6	16.0	24.0

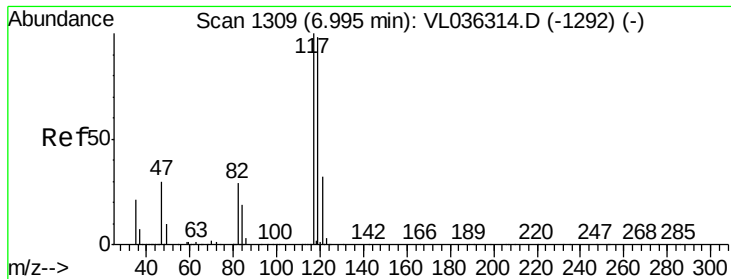


#34
 2-Butanone
 Concen: 0.374 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. 0.00 min
 Lab File: VL036404.D
 Acq: 26 Feb 2021 16:15

Tgt Ion: 43 Resp: 84476

Ion	Ratio	Lower	Upper
43	100		
72	43.9	16.7	25.1#





#35

Carbon Tetrachloride

Concen: 0.041 ppbv

RT: 6.99 min Scan# 1306

Delta R.T. -0.01 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

Instrument :

MSVOA_L

ClientSampleId :

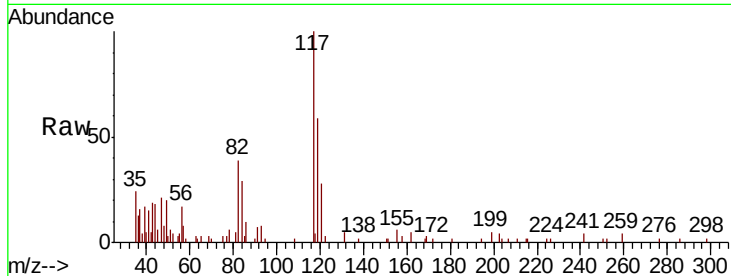
Tot Ion:117 Resp: 9444

Ion Ratio Lower Upper

117 100

119 50.4 78.1 117.1#

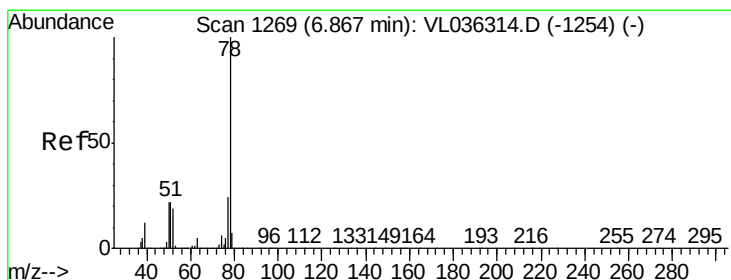
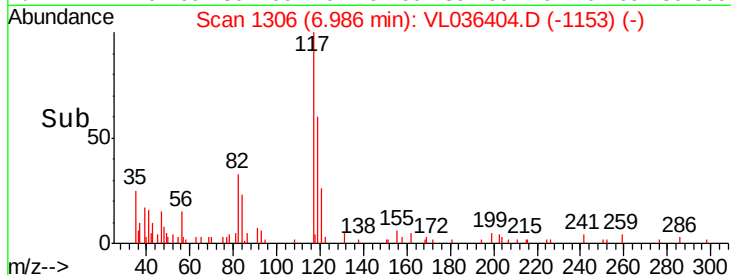
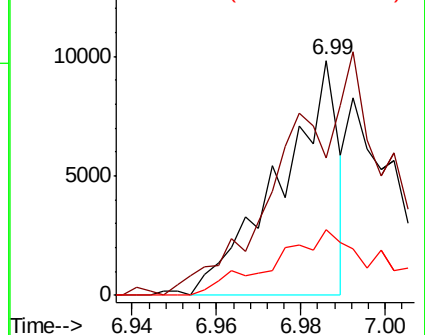
121 28.0 25.8 38.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#36

Benzene

Concen: 0.329 ppbv

RT: 6.86 min Scan# 1266

Delta R.T. -0.01 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

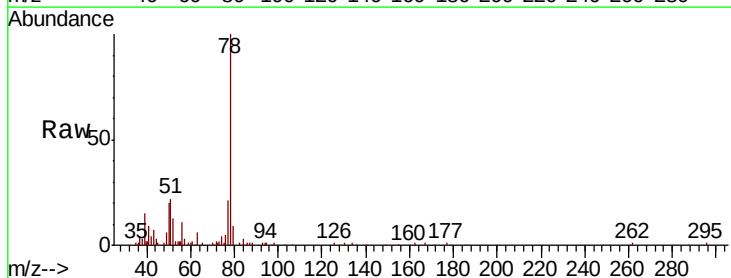
Tgt Ion: 78 Resp: 95034

Ion Ratio Lower Upper

78 100

77 19.9 18.9 28.3

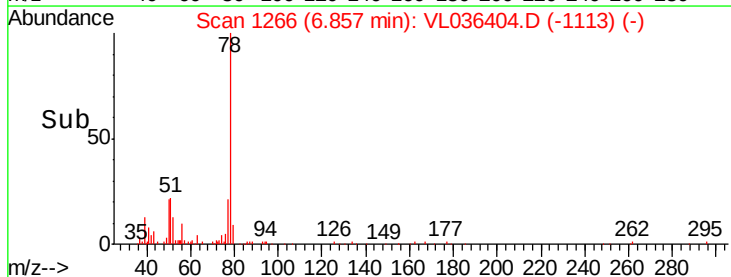
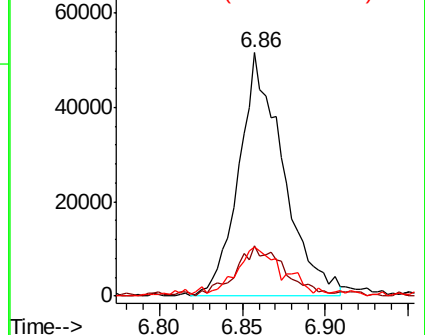
50 19.3 17.3 25.9

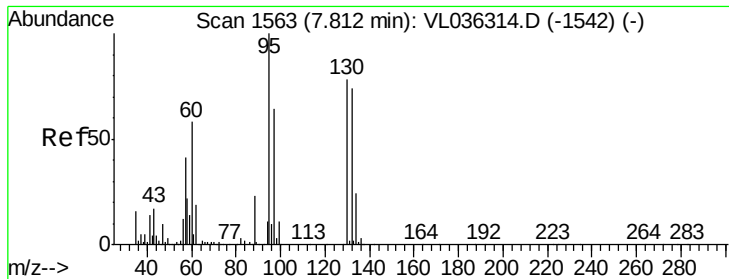


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

Ion 50.10 (49.80 to 50.80): VL0

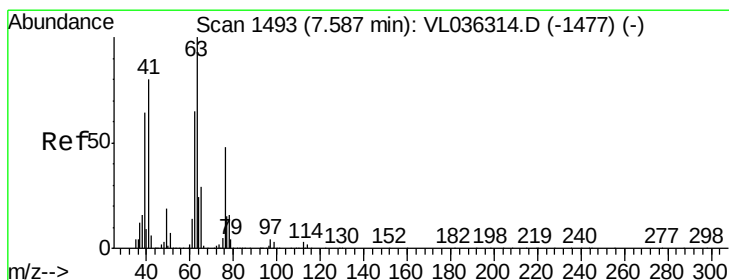
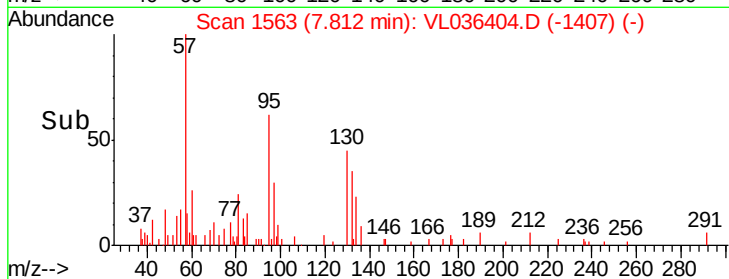
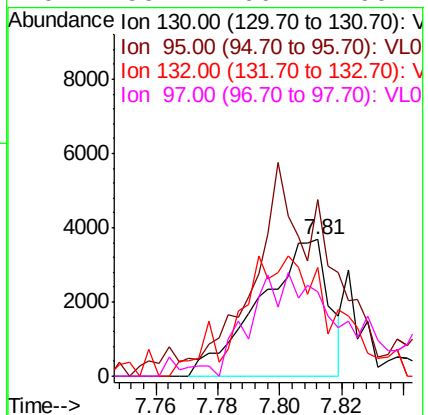
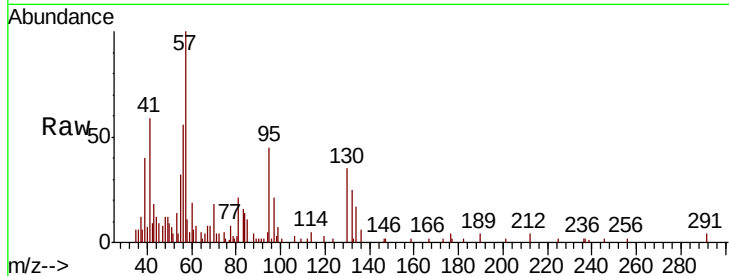




#38
 Trichloroethene
 Concen: 0.055 ppbv
 RT: 7.81 min Scan# 1563
 Delta R.T. 0.00 min
 Lab File: VL036404.D
 Acq: 26 Feb 2021 16:15

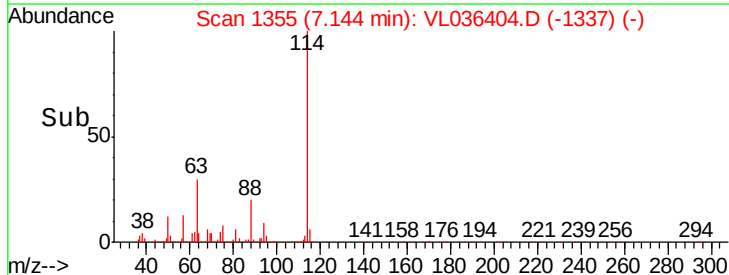
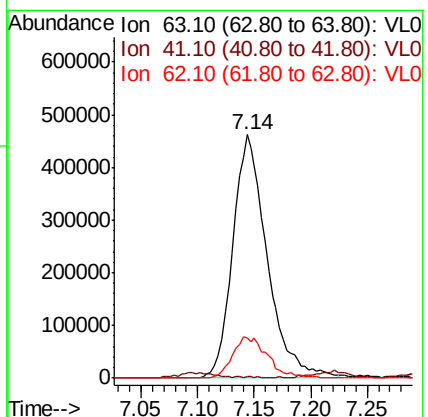
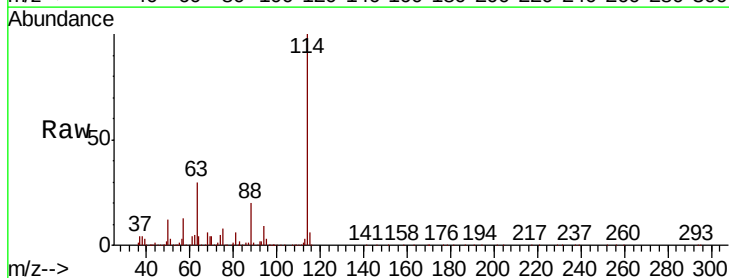
Instrument :
 MSVOA_L
 ClientSampleId :

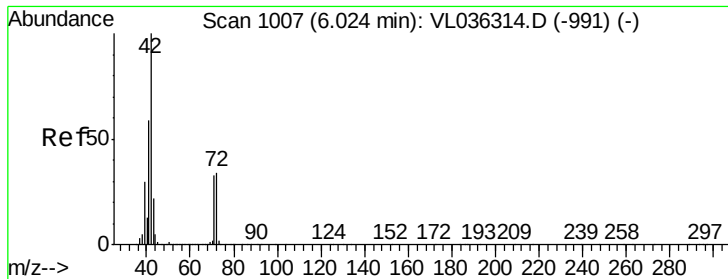
Tot Ion:130 Resp: 5668
 Ion Ratio Lower Upper
 130 100
 95 116.0 102.8 154.2
 132 68.3 75.7 113.5#
 97 55.2 66.2 99.2#



#39
 1,2-Dichloropropane
 Concen: 8.315 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.44 min
 Lab File: VL036404.D
 Acq: 26 Feb 2021 16:15

Tgt Ion: 63 Resp: 974776
 Ion Ratio Lower Upper
 63 100
 41 0.0 63.8 95.6#
 62 16.2 52.3 78.5#





#41

Tetrahydrofuran

Concen: 7.630 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.37 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

Instrument :

MSVOA_L

ClientSampleId :

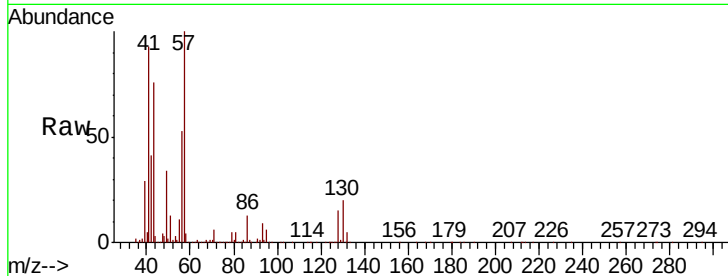
Tot Ion: 42 Resp: 961073

Ion Ratio Lower Upper

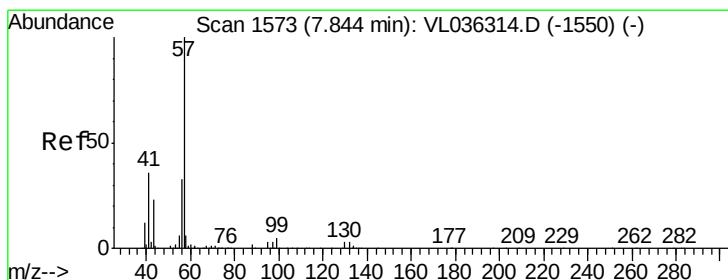
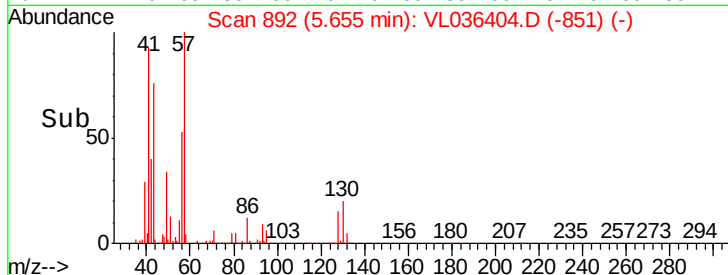
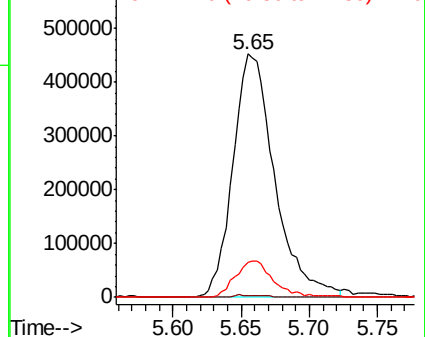
42 100

72 0.8 29.3 43.9#

71 14.0 27.8 41.8#



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



#44

2,2,4-Trimethylpentane

Concen: 0.124 ppbv

RT: 7.84 min Scan# 1571

Delta R.T. -0.01 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

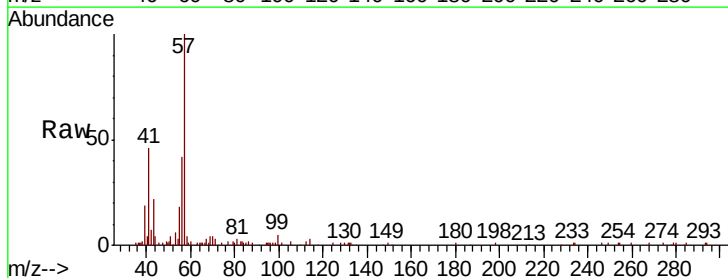
Tgt Ion: 57 Resp: 64835

Ion Ratio Lower Upper

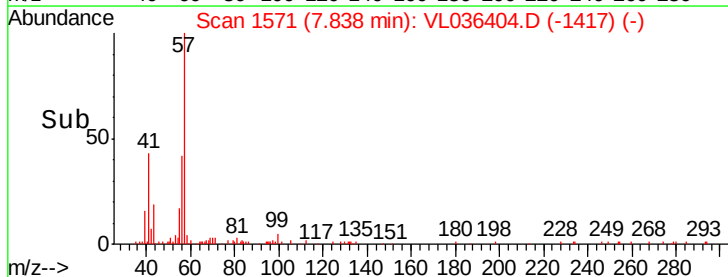
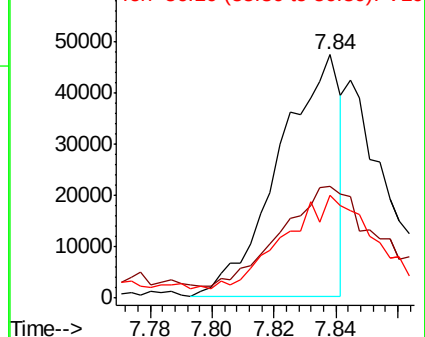
57 100

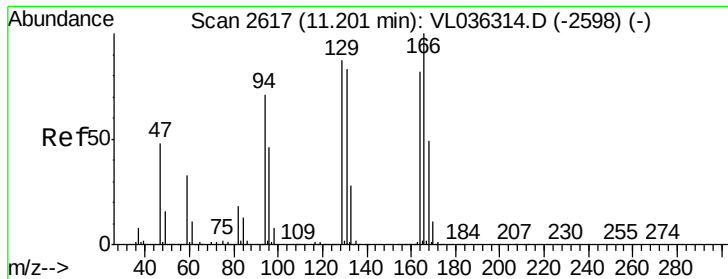
41 81.5 28.8 43.2#

56 73.2 25.8 38.6#



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





#52

Tetrachloroethene

Concen: 0.167 ppbv

RT: 11.19 min Scan# 2613

Delta R.T. -0.01 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 17613

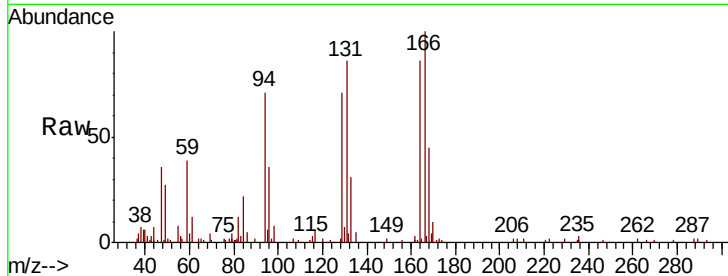
Ion Ratio Lower Upper

164 100

166 107.2 97.8 146.8

129 77.8 84.9 127.3#

131 89.8 81.4 122.2

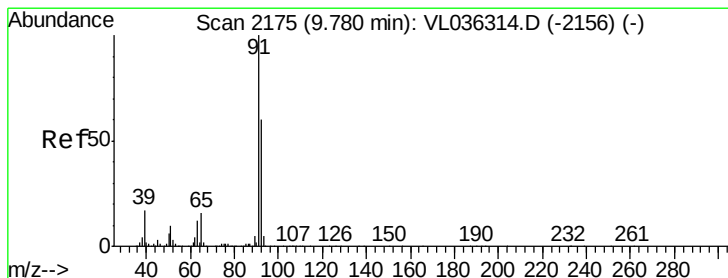
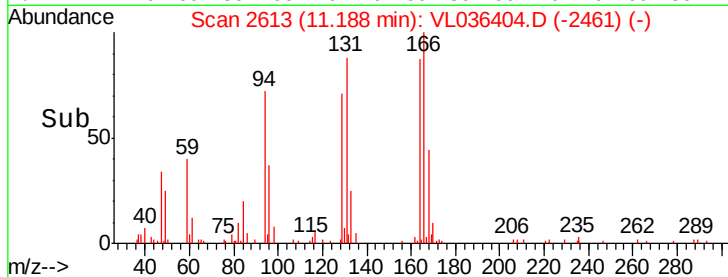
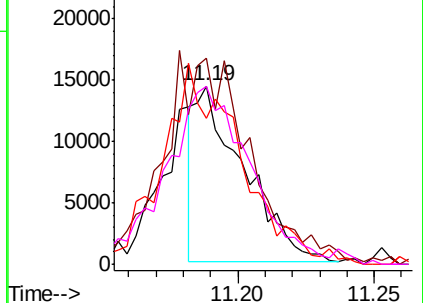


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 2.737 ppbv

RT: 9.77 min Scan# 2173

Delta R.T. -0.01 min

Lab File: VL036404.D

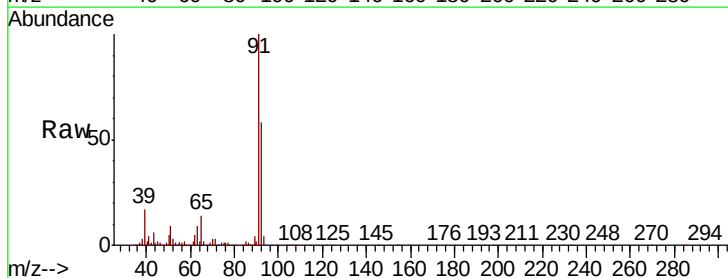
Acq: 26 Feb 2021 16:15

Tgt Ion: 91 Resp: 855442

Ion Ratio Lower Upper

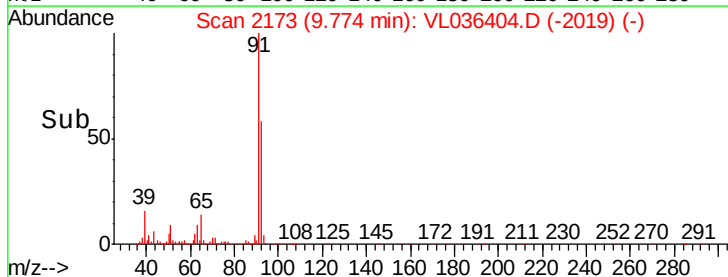
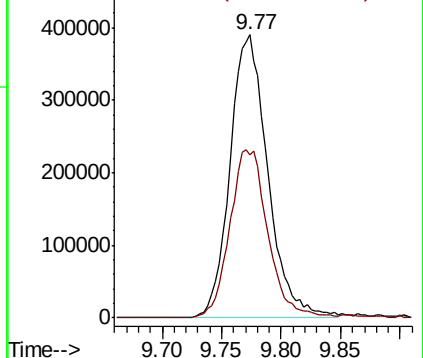
91 100

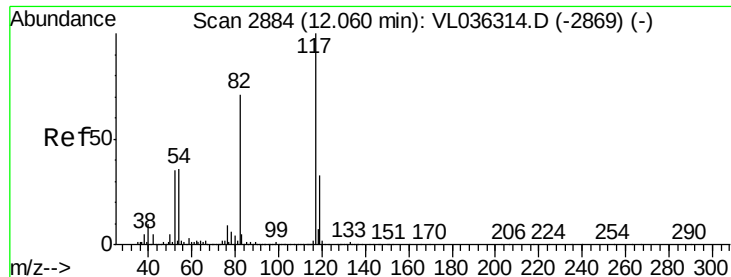
92 60.9 48.6 72.8



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

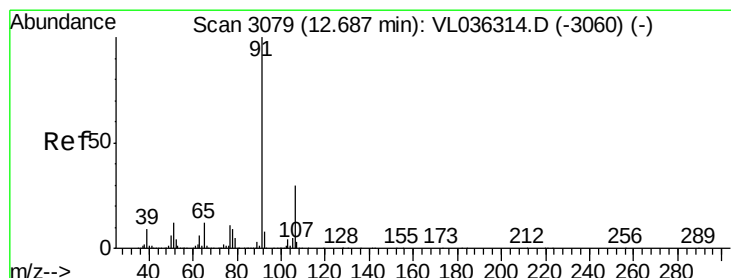
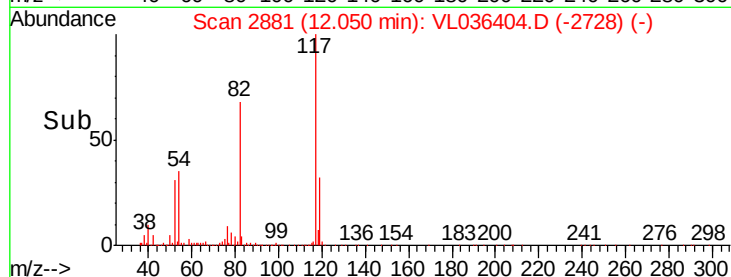
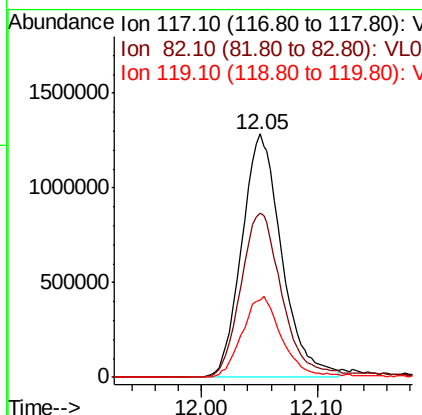
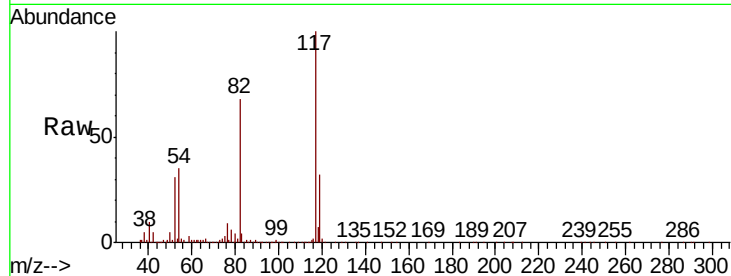




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2881
Delta R.T. -0.01 min
Lab File: VL036404.D
Acq: 26 Feb 2021 16:15

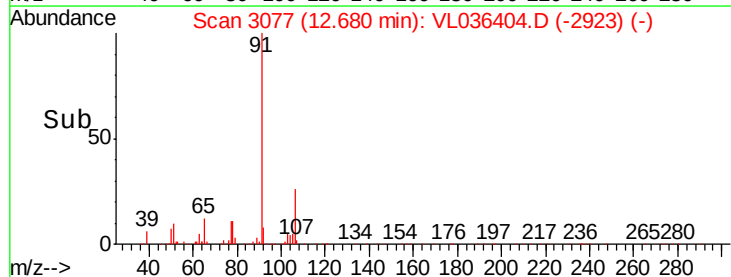
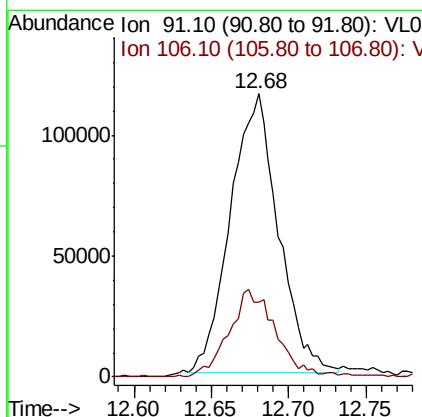
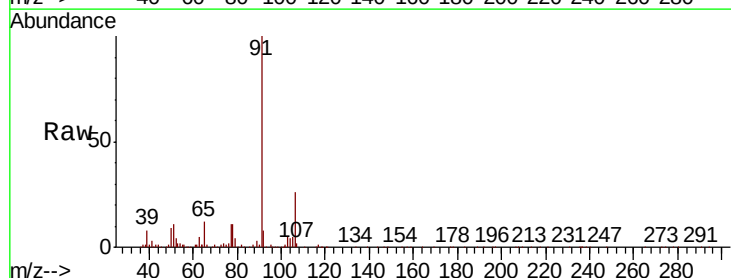
Instrument :
MSVOA_L
ClientSampleId :

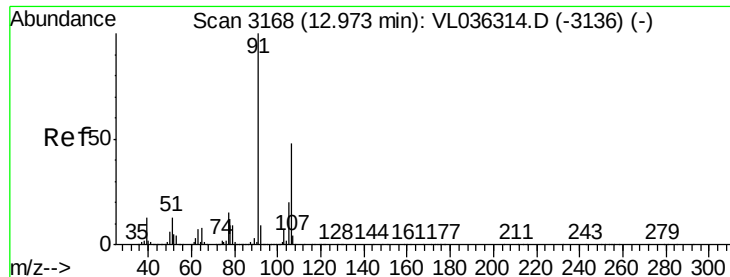
Tot Ion:117 Resp: 3070578
Ion Ratio Lower Upper
117 100
82 72.7 59.1 88.7
119 34.4 46.3 69.5#



#58
Ethyl Benzene
Concen: 0.594 ppbv
RT: 12.68 min Scan# 3077
Delta R.T. -0.01 min
Lab File: VL036404.D
Acq: 26 Feb 2021 16:15

Tgt Ion: 91 Resp: 249804
Ion Ratio Lower Upper
91 100
106 26.4 23.8 35.6





#59

m/p-Xylene

Concen: 2.465 ppbv

RT: 12.93 min Scan# 3156

Delta R.T. -0.04 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

Instrument :

MSVOA_L

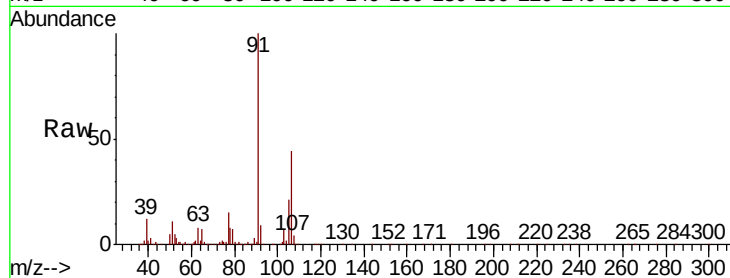
ClientSampleId :

Tot Ion: 91 Resp: 910249

Ion Ratio Lower Upper

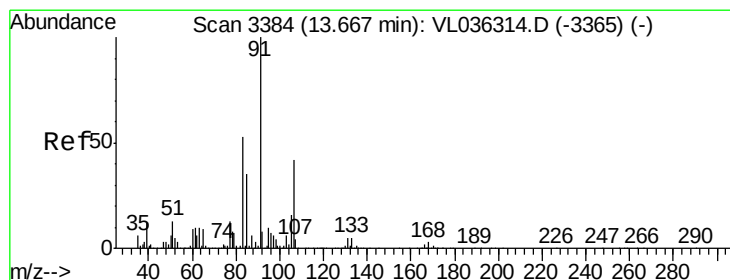
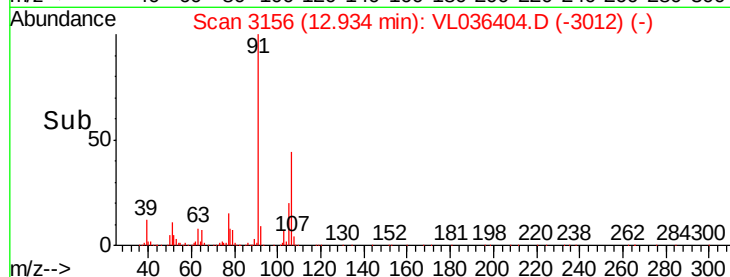
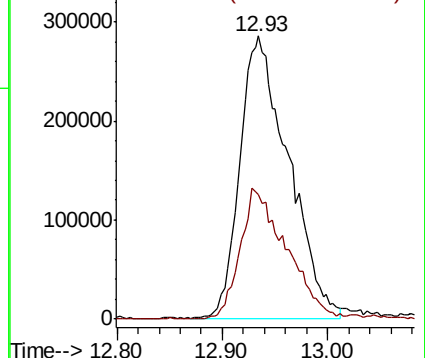
91 100

106 45.6 34.2 51.2



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V



#60

o-Xylene

Concen: 0.995 ppbv

RT: 13.65 min Scan# 3380

Delta R.T. -0.01 min

Lab File: VL036404.D

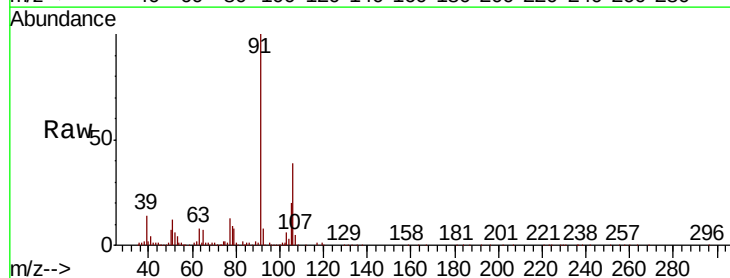
Acq: 26 Feb 2021 16:15

Tgt Ion: 91 Resp: 351399

Ion Ratio Lower Upper

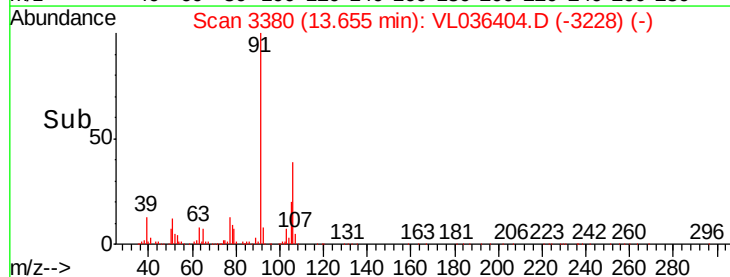
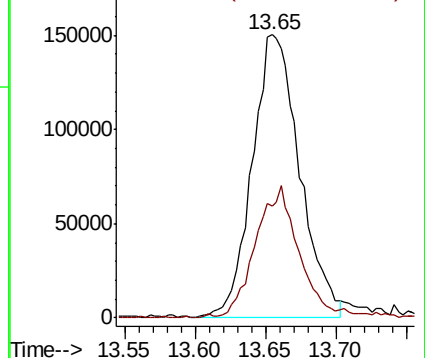
91 100

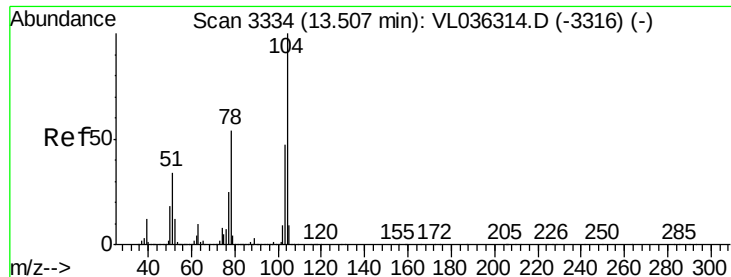
106 43.6 22.0 66.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 106.10 (105.80 to 106.80): V





#61

Stvrene

Concen: 0.317 ppbv

RT: 13.50 min Scan# 3332

Delta R.T. -0.01 min

Lab File: VL036404.D

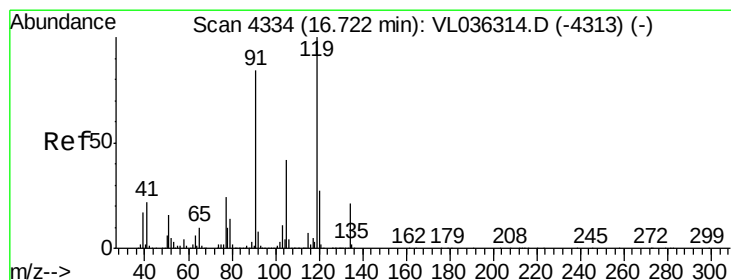
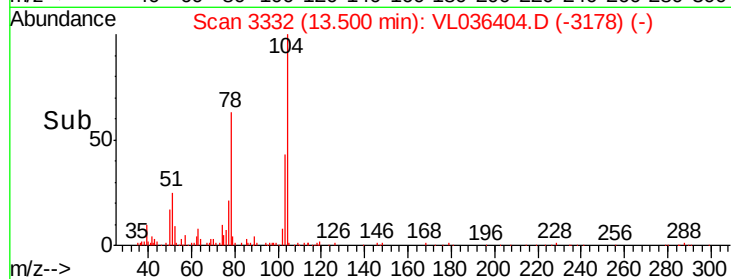
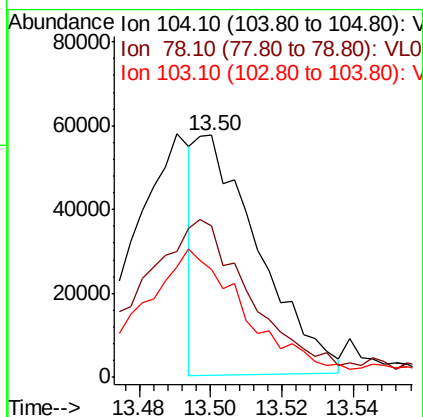
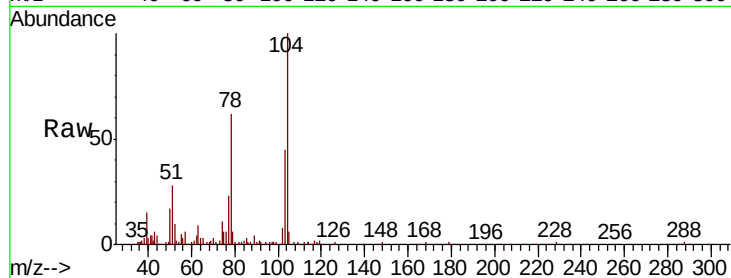
Acq: 26 Feb 2021 16:15

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:	104	Resp:	69447
Ion	Ratio	Lower	Upper
104	100		
78	128.7	46.2	69.2#
103	100.9	38.3	57.5#



#65

tert-Butylbenzene

Concen: 0.031 ppbv

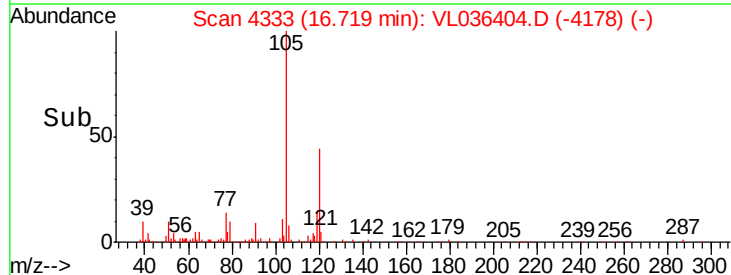
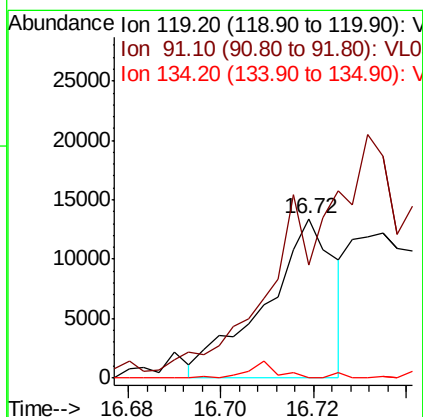
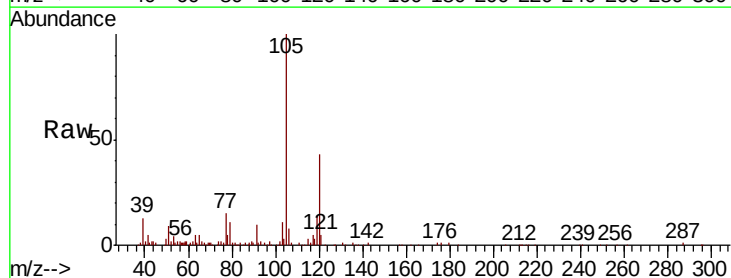
RT: 16.72 min Scan# 4333

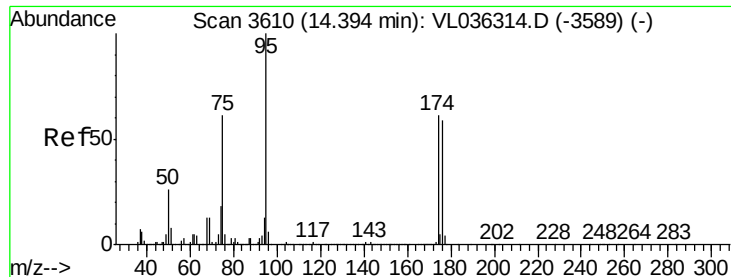
Delta R.T. -0.00 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

Tgt Ion:	119	Resp:	13826
Ion	Ratio	Lower	Upper
119	100		
91	0.0	70.5	105.7#
134	0.0	15.8	23.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.979 ppbv

RT: 14.38 min Scan# 3606

Delta R.T. -0.01 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

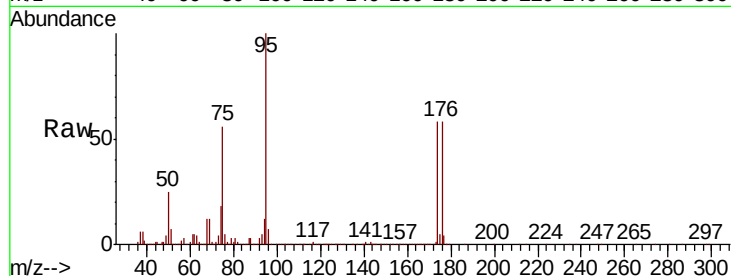
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 95 Resp: 2521096

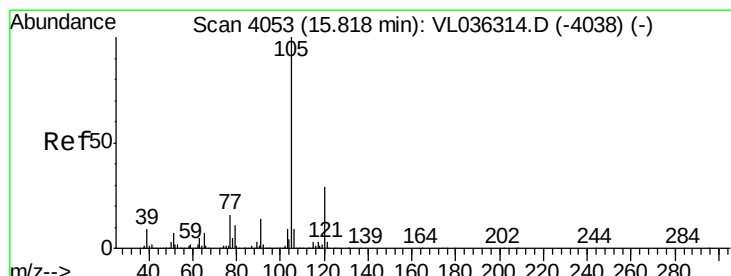
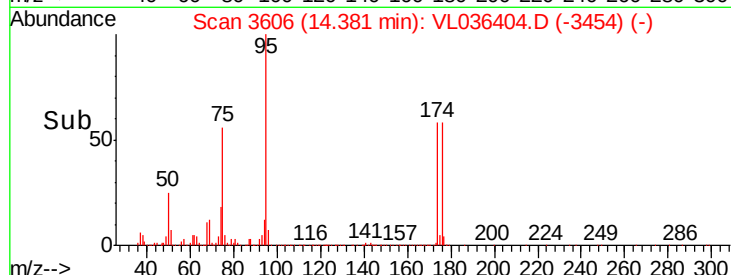
Ion	Ratio	Lower	Upper
95	100		
174	64.0	49.8	74.6
175	4.7	3.7	5.5



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V



#72

4-Ethyltoluene

Concen: 0.275 ppbv

RT: 15.81 min Scan# 4049

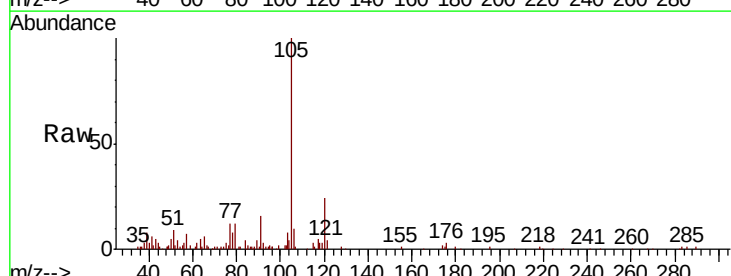
Delta R.T. -0.01 min

Lab File: VL036404.D

Acq: 26 Feb 2021 16:15

Tgt Ion:105 Resp: 108224

Ion	Ratio	Lower	Upper
105	100		
120	31.8	23.2	34.8
91	11.5	11.0	16.4
77	14.1	12.2	18.4

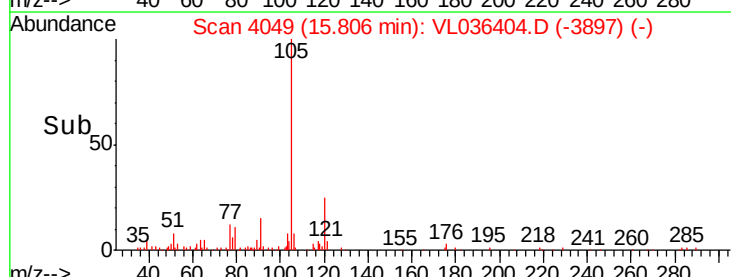


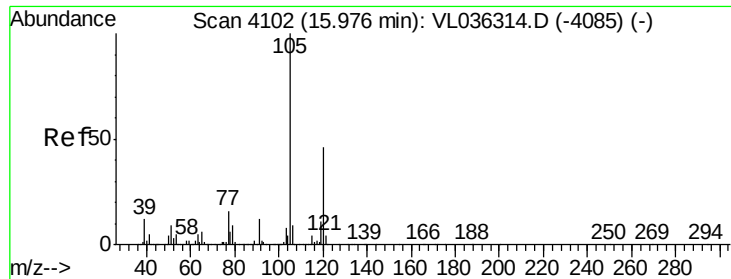
Abundance Ion 105.10 (104.80 to 105.80): V

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

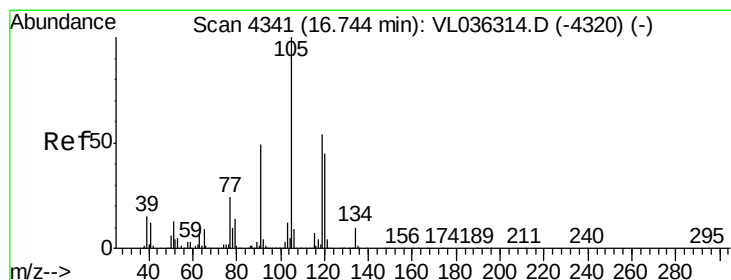
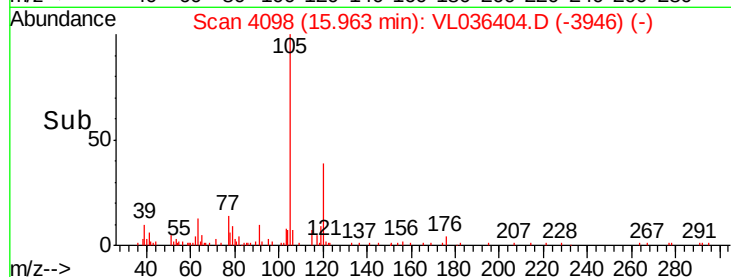
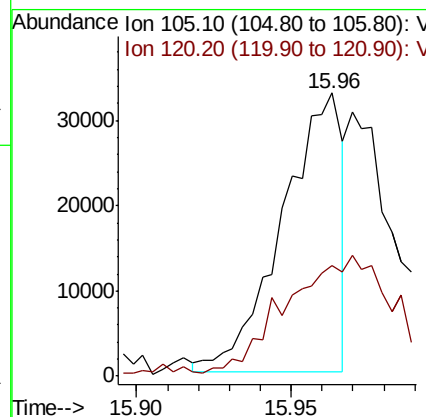
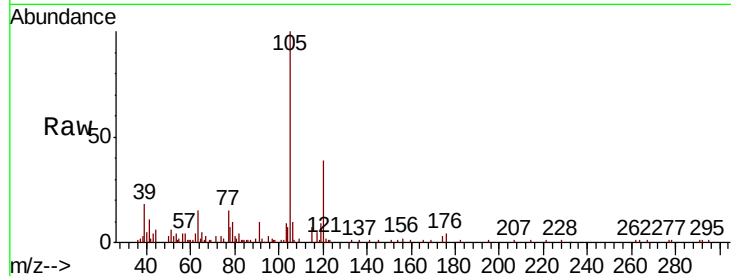




#73
 1,3,5-Trimethylbenzene
 Concen: 0.115 ppbv
 RT: 15.96 min Scan# 4098
 Delta R.T. -0.01 min
 Lab File: VL036404.D
 Acq: 26 Feb 2021 16:15

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:105 Resp: 43959
 Ion Ratio Lower Upper
 105 100
 120 39.5 36.9 55.3



#74
 1,2,4-Trimethylbenzene
 Concen: 0.365 ppbv
 RT: 16.73 min Scan# 4337
 Delta R.T. -0.01 min
 Lab File: VL036404.D
 Acq: 26 Feb 2021 16:15

Tgt Ion:105 Resp: 141856
 Ion Ratio Lower Upper
 105 100
 120 36.3 35.8 53.6
 91 16.5 39.8 59.6#
 77 17.1 19.1 28.7#

