

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035062.D
 Acq On : 20 May 2020 2:50
 Operator : SY/AP
 Sample : L2683-08
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 20 04:50:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1164420	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2612560	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2547381	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2186531	10.60	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.00%

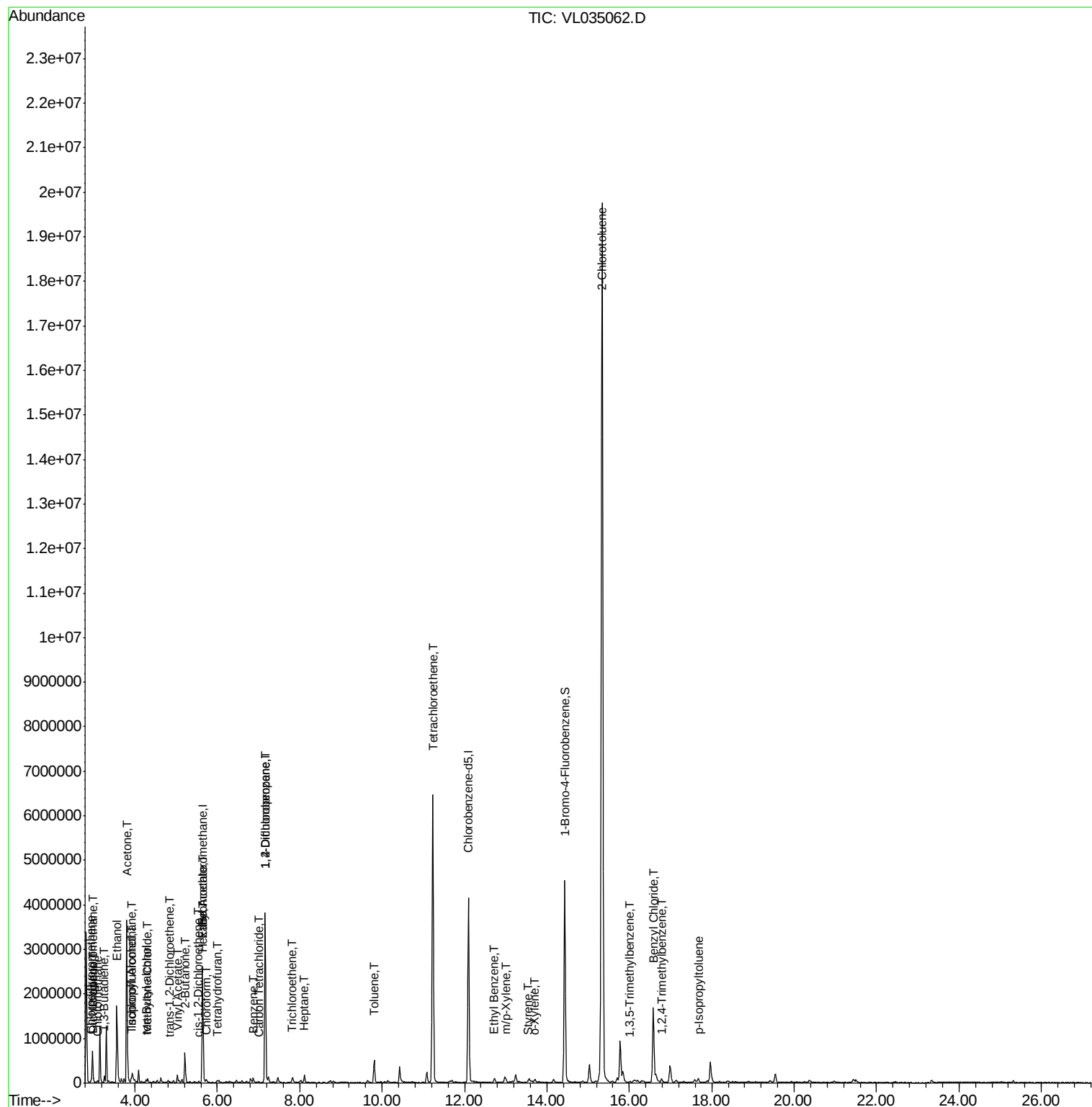
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	44185	0.267	ppbv	95
3) Chlorodifluoromethane	2.93	51	88486	0.666	ppbv	93
4) Chloromethane	3.09	50	30931	0.406	ppbv #	83
9) Propene	2.97	41	178592	3.096	ppbv #	76
10) Heptane	8.11	43	52093	0.360	ppbv	94
11) Trichlorofluoromethane	3.91	101	44988	0.264	ppbv	93
13) Ethanol	3.56	45	1803192	94.725	ppbv	98
15) Acetone	3.80	43	3557713	23.111	ppbv	95
16) 1,3-Butadiene	3.26	39	24475	0.369	ppbv #	77
17) tert-Butyl alcohol	4.26	59	6007	0.044	ppbv #	26
19) Isopropyl Alcohol	3.94	45	200723	1.955	ppbv #	1
20) Methylene Chloride	4.31	84	25913	0.509	ppbv #	73
22) trans-1,2-Dichloroethene	4.85	96	2132	0.041	ppbv #	57
23) Vinyl Acetate	5.03	43	152625	0.782	ppbv #	94
25) Ethyl Acetate	5.66	43	26309	0.102	ppbv #	87
26) Hexane	5.66	57	36744	0.328	ppbv #	47
29) Chloroform	5.73	83	37143	0.203	ppbv	91
31) cis-1,2-Dichloroethene	5.52	61	7188	0.066	ppbv #	88
34) 2-Butanone	5.21	43	714879	4.403	ppbv	99
35) Carbon Tetrachloride	7.00	117	10788	0.065	ppbv #	69
36) Benzene	6.87	78	72296	0.336	ppbv #	93
38) Trichloroethene	7.83	130	21875	0.262	ppbv #	89
39) 1,2-Dichloropropane	7.16	63	717820	8.313	ppbv #	25
41) Tetrahydrofuran	6.01	42	2783	0.033	ppbv #	37
52) Tetrachloroethene	11.23	164	1663637	21.721	ppbv	99
53) Toluene	9.81	91	360642	1.579	ppbv	98
58) Ethyl Benzene	12.73	91	18779	0.060	ppbv	96
59) m/p-Xylene	13.01	91	21280	0.077	ppbv #	8
60) o-Xylene	13.70	91	15087	0.055	ppbv #	32
61) Styrene	13.54	104	9940	0.057	ppbv #	17
66) Benzyl Chloride	16.58	91	286275	2.381	ppbv #	66
69) p-Isopropyltoluene	17.67	119	43146	0.105	ppbv #	78
71) 2-Chlorotoluene	15.34	91	5397533	17.512	ppbv #	45
73) 1,3,5-Trimethylbenzene	16.00	105	9266	0.031	ppbv #	71
74) 1,2,4-Trimethylbenzene	16.78	105	15939	0.049	ppbv #	51

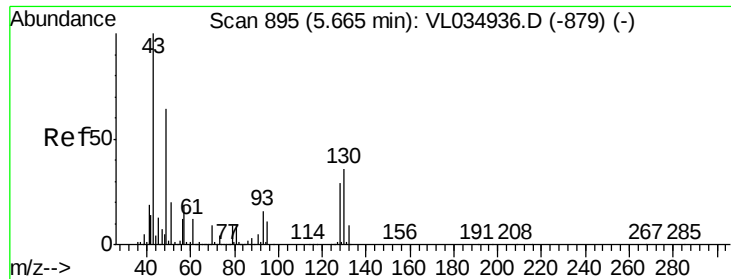
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL035062.D

Acq: 20 May 2020 2:50

Instrument :

MSVOA_L

ClientSampleId :

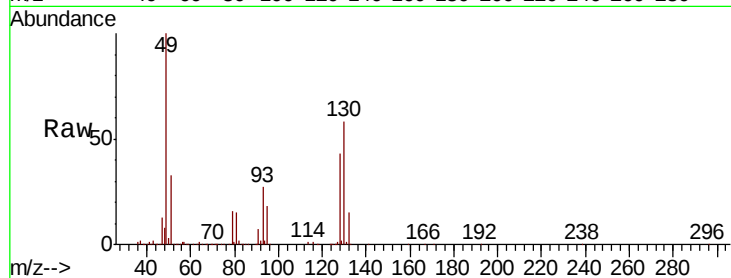
Tot Ion: 49 Resp: 1164420

Ion Ratio Lower Upper

49 100

128 44.7 22.1 66.5

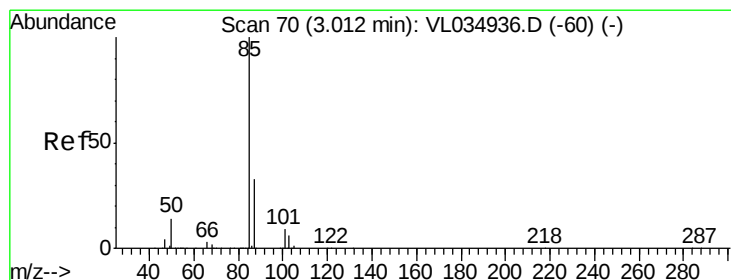
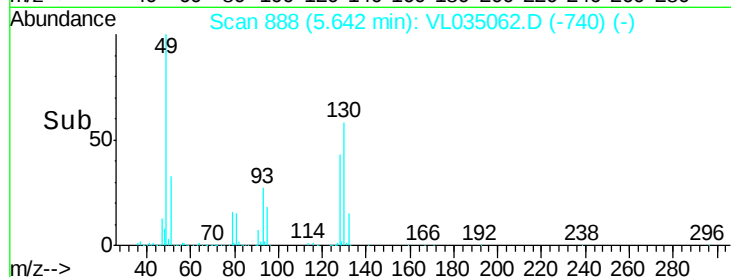
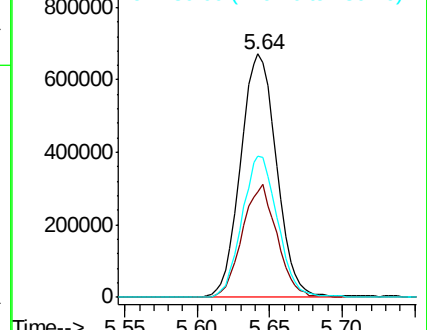
130 57.4 29.1 87.3



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: 0.267 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035062.D

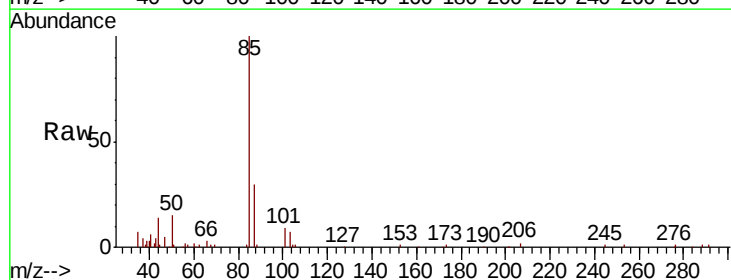
Acq: 20 May 2020 2:50

Tgt Ion: 85 Resp: 44185

Ion Ratio Lower Upper

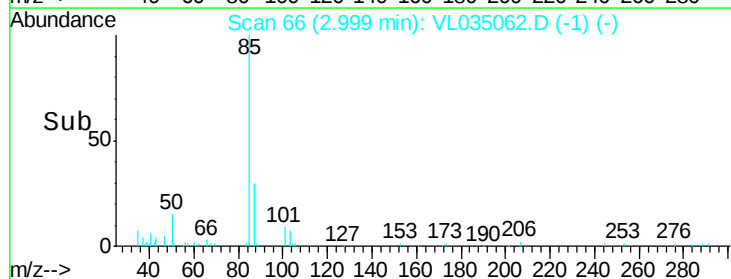
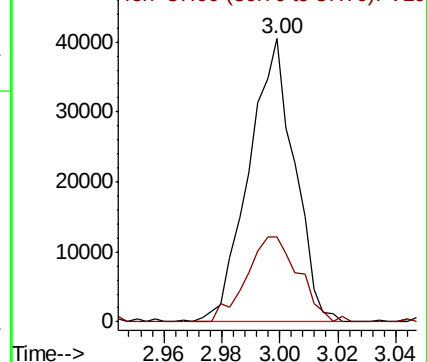
85 100

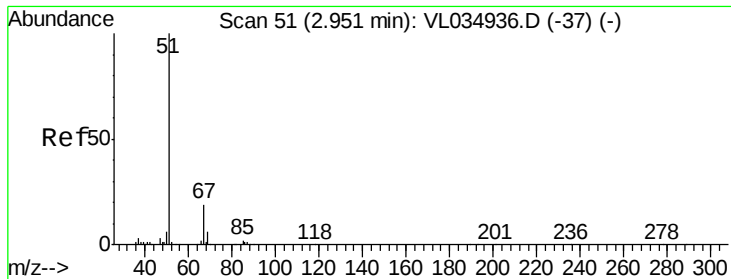
87 29.8 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.666 ppbv

RT: 2.93 min Scan# 46

Delta R.T. -0.02 min

Lab File: VL035062.D

Acq: 20 May 2020 2:50

Instrument :

MSVOA_L

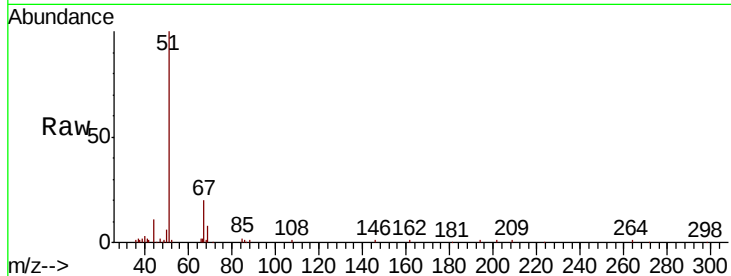
ClientSampleId :

Tot Ion: 51 Resp: 88486

Ion Ratio Lower Upper

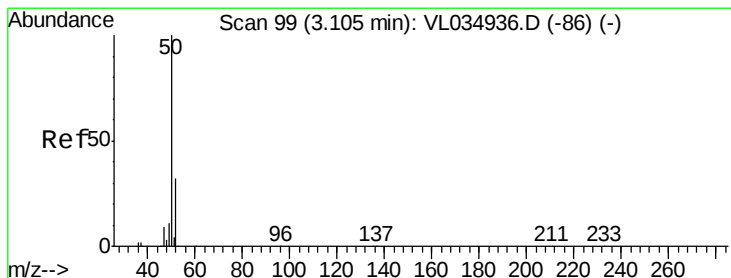
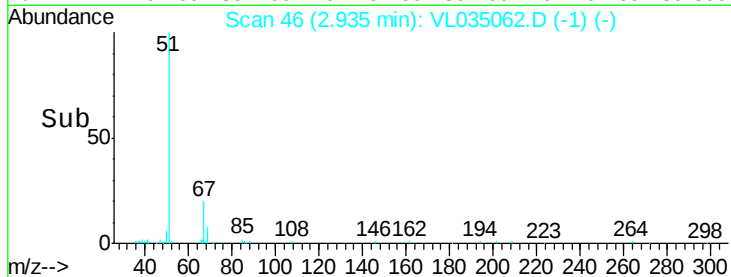
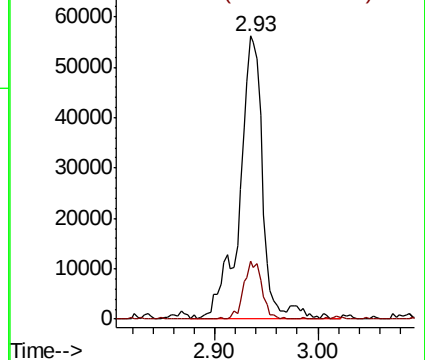
51 100

67 15.8 15.0 22.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.406 ppbv

RT: 3.09 min Scan# 95

Delta R.T. -0.01 min

Lab File: VL035062.D

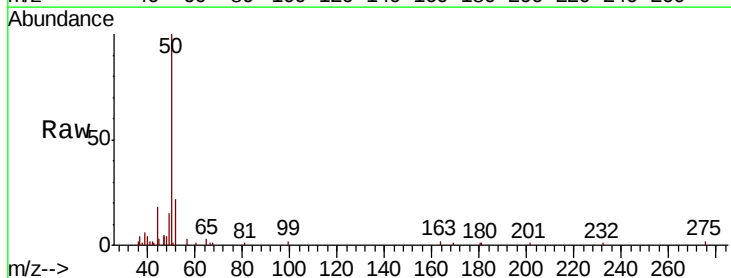
Acq: 20 May 2020 2:50

Tgt Ion: 50 Resp: 30931

Ion Ratio Lower Upper

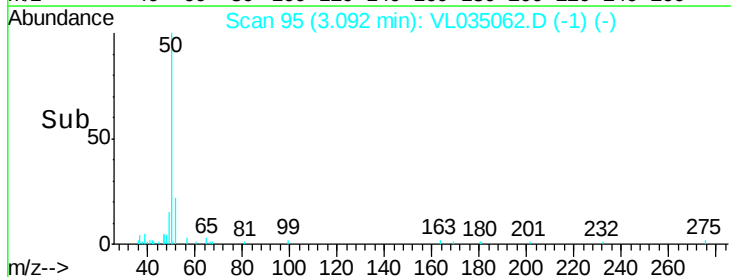
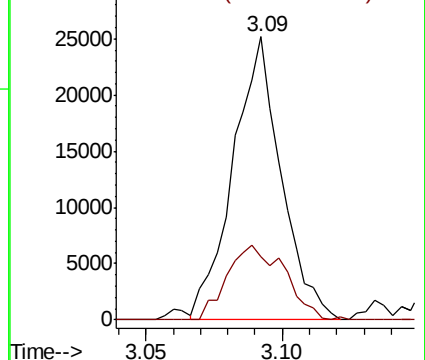
50 100

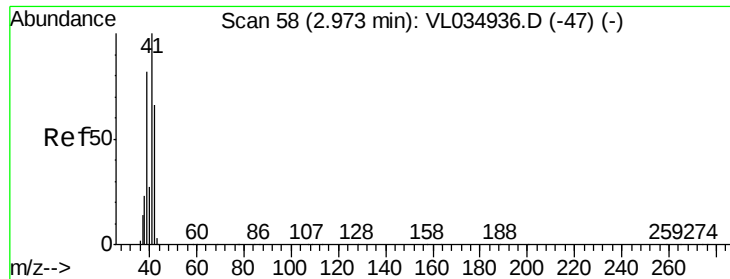
52 22.2 25.4 38.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 3.096 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL035062.D

Acq: 20 May 2020 2:50

Instrument :

MSVOA_L

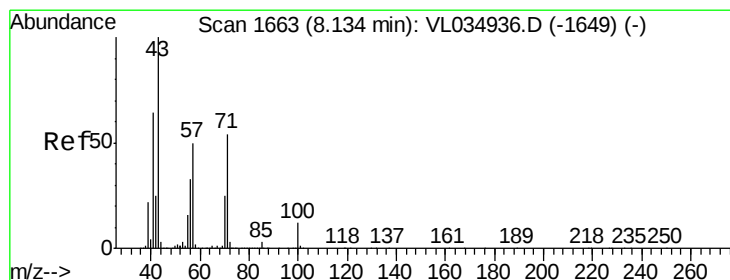
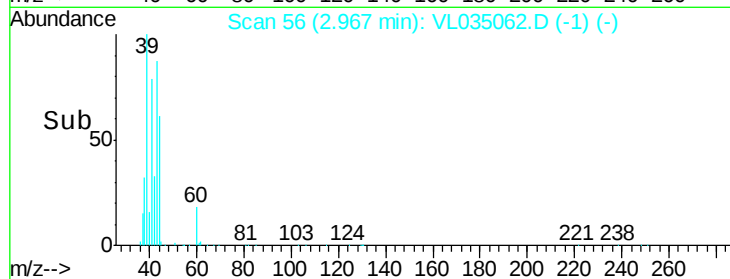
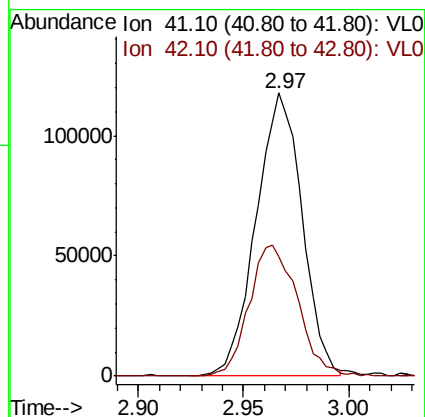
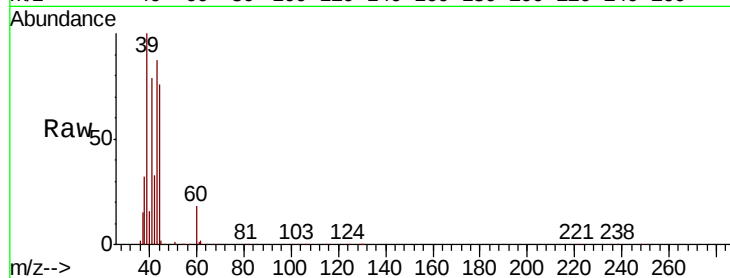
ClientSampleId :

Tot Ion: 41 Resp: 178592

Ion Ratio Lower Upper

41 100

42 48.8 54.5 81.7#



#10

Heptane

Concen: 0.360 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. -0.02 min

Lab File: VL035062.D

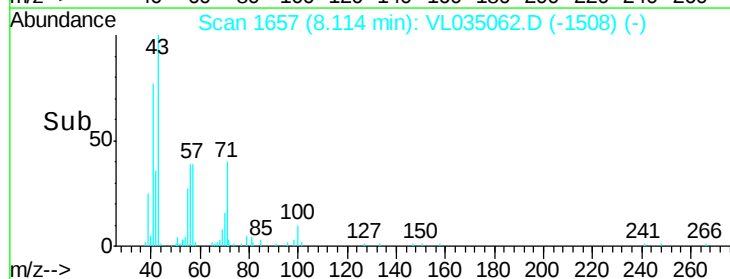
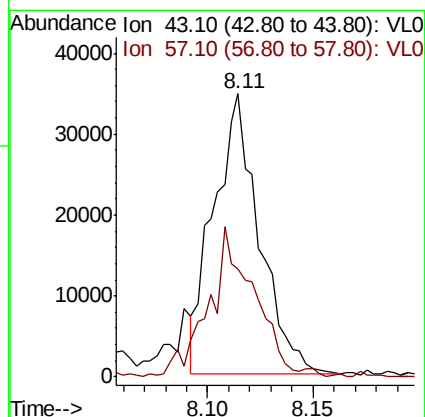
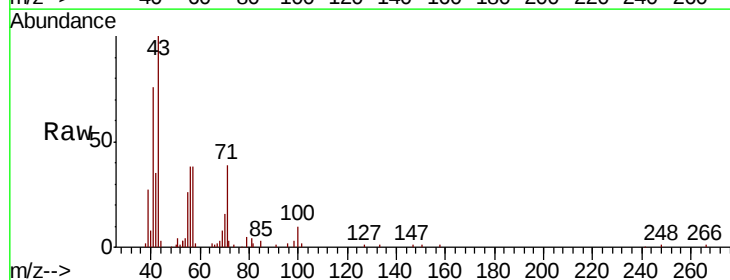
Acq: 20 May 2020 2:50

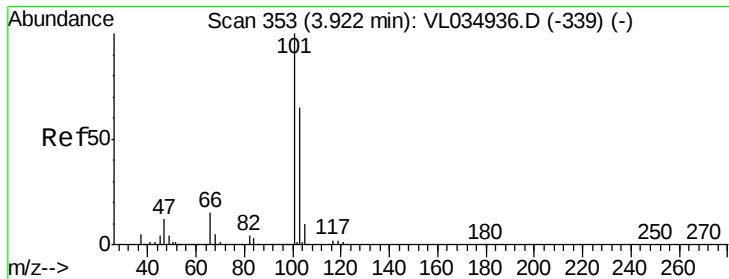
Tgt Ion: 43 Resp: 52093

Ion Ratio Lower Upper

43 100

57 55.5 41.1 61.7





#11

Trichlorofluoromethane

Concen: 0.264 ppbv

RT: 3.91 min Scan# 349

Delta R.T. -0.01 min

Lab File: VL035062.D

Acq: 20 May 2020 2:50

Instrument :

MSVOA_L

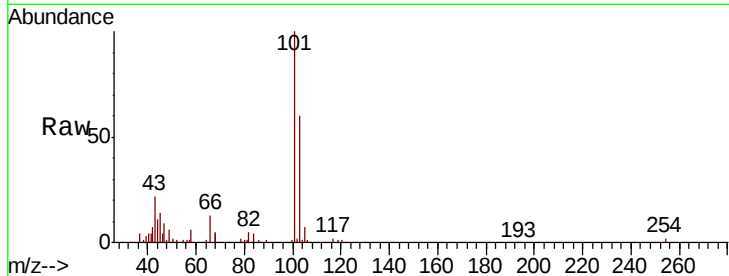
ClientSampleId :

Tot Ion:101 Resp: 44988

Ion Ratio Lower Upper

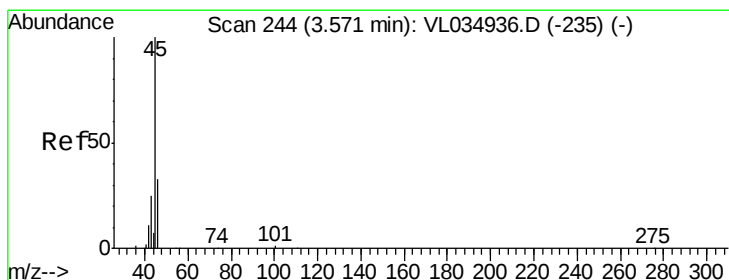
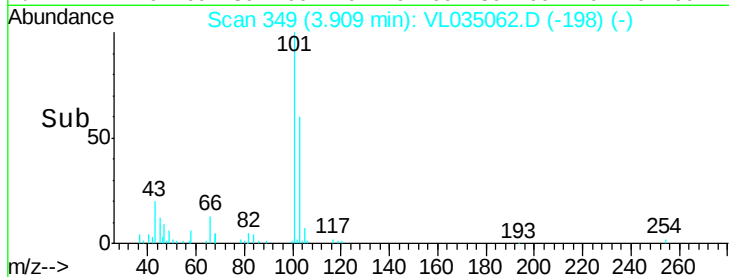
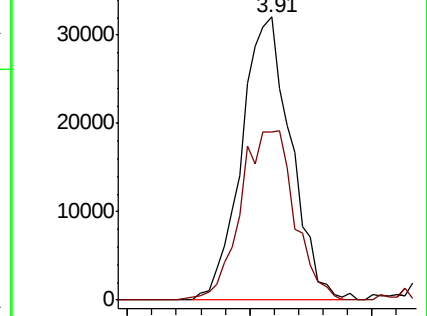
101 100

103 59.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 94.725 ppbv

RT: 3.56 min Scan# 241

Delta R.T. -0.01 min

Lab File: VL035062.D

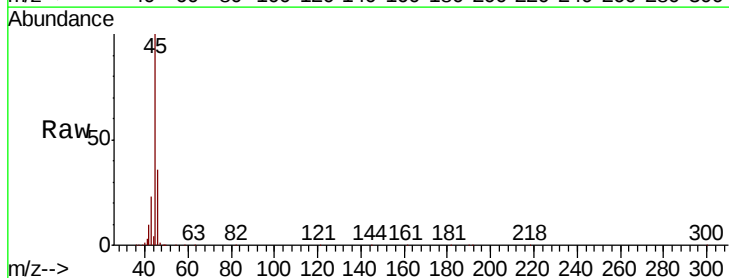
Acq: 20 May 2020 2:50

Tgt Ion: 45 Resp: 1803192

Ion Ratio Lower Upper

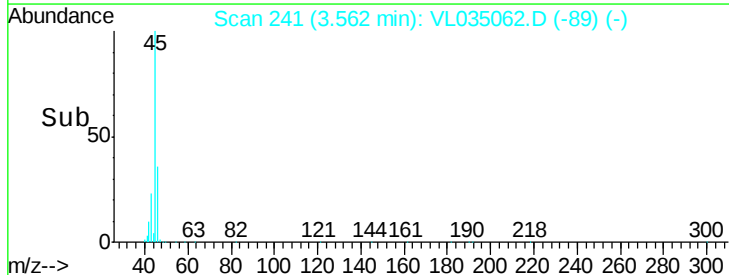
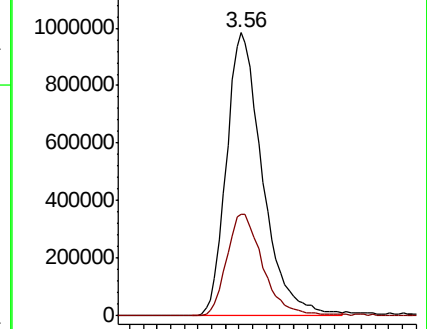
45 100

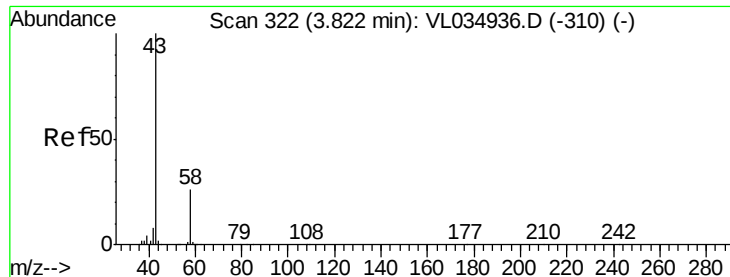
46 37.2 14.3 57.3



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 23.111 ppbv

RT: 3.80 min Scan# 315

Delta R.T. -0.02 min

Lab File: VL035062.D

Acq: 20 May 2020 2:50

Instrument :

MSVOA_L

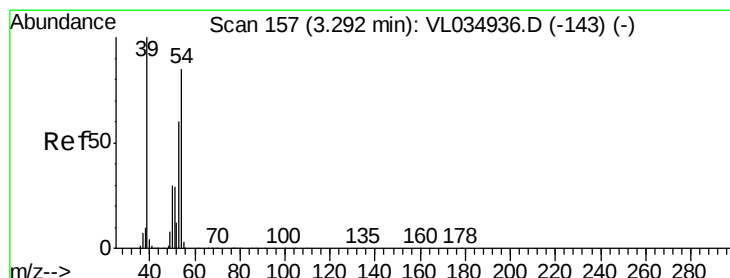
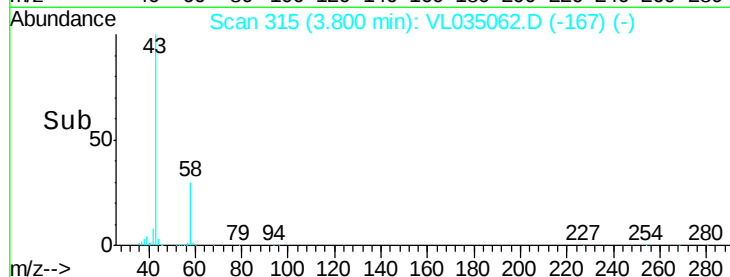
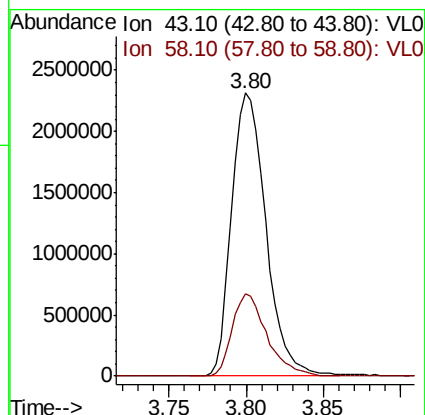
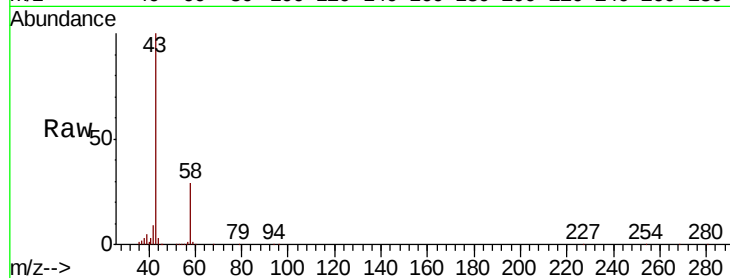
ClientSampleId :

Tot Ion: 43 Resp: 3557713

Ion Ratio Lower Upper

43 100

58 29.5 21.7 32.5



#16

1,3-Butadiene

Concen: 0.369 ppbv

RT: 3.26 min Scan# 147

Delta R.T. -0.03 min

Lab File: VL035062.D

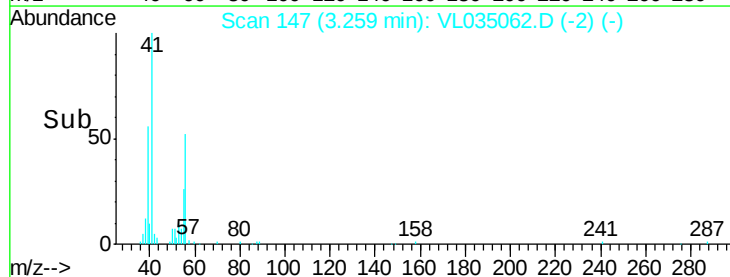
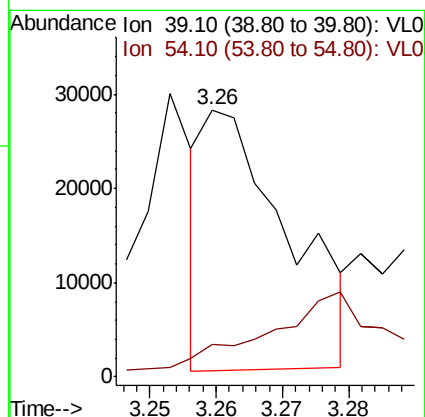
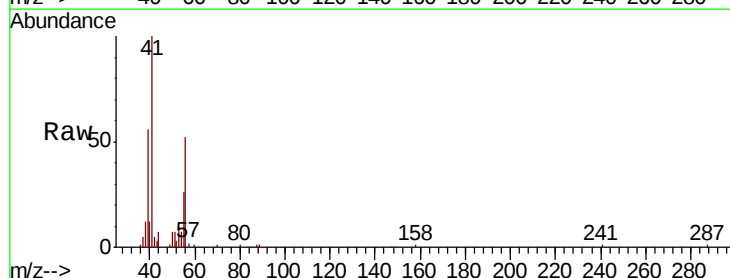
Acq: 20 May 2020 2:50

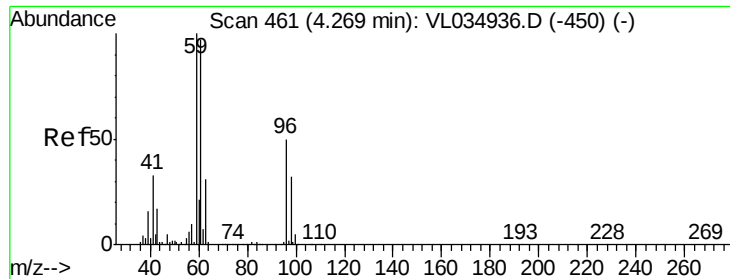
Tgt Ion: 39 Resp: 24475

Ion Ratio Lower Upper

39 100

54 62.2 66.6 100.0#



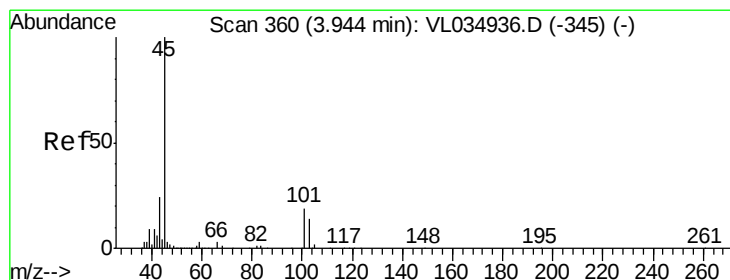
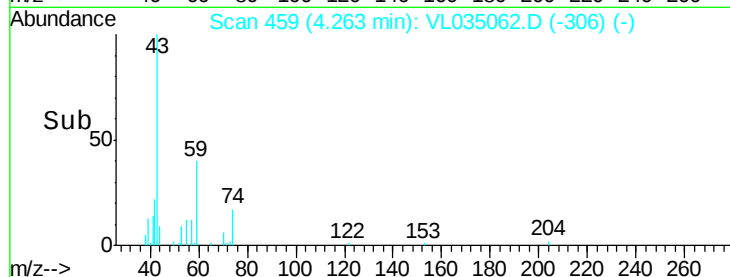
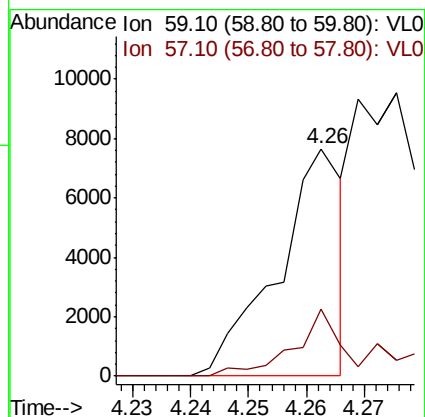
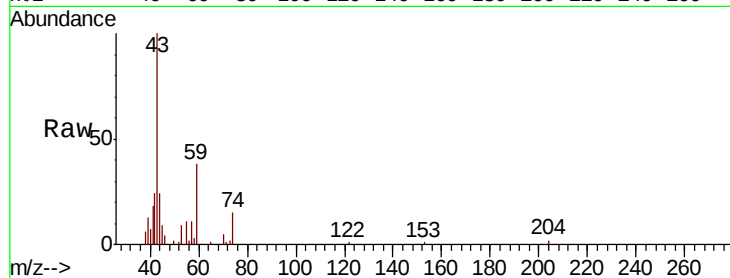


#17

tert-Butyl alcohol
Concen: 0.044 ppbv
RT: 4.26 min Scan# 459
Delta R.T. -0.01 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

Instrument :
MSVOA_L
ClientSampled :

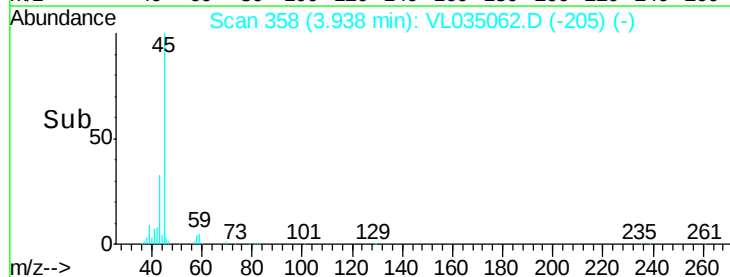
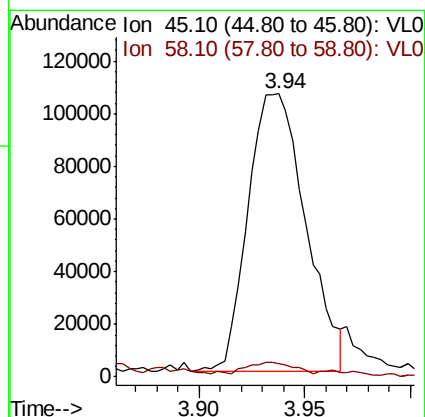
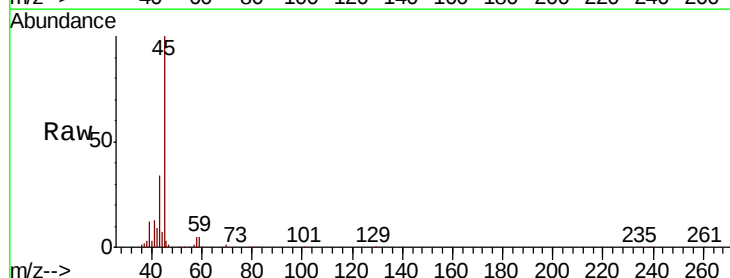
Tot Ion: 59 Resp: 6007
Ion Ratio Lower Upper
59 100
57 38.7 8.7 13.1#

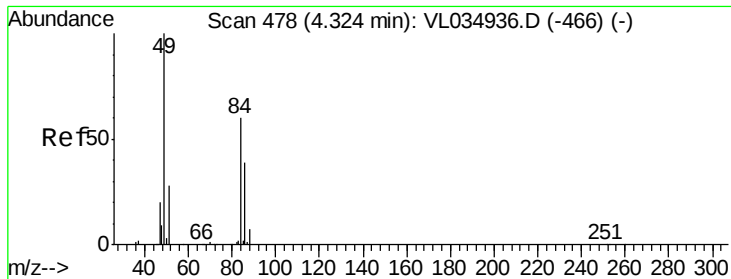


#19

Isopropyl Alcohol
Concen: 1.955 ppbv
RT: 3.94 min Scan# 358
Delta R.T. -0.01 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

Tgt Ion: 45 Resp: 200723
Ion Ratio Lower Upper
45 100
58 522.5 1.7 2.5#

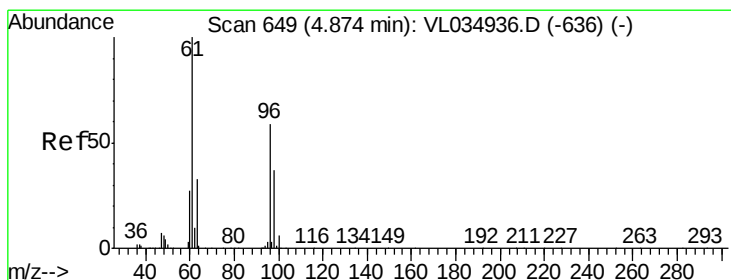
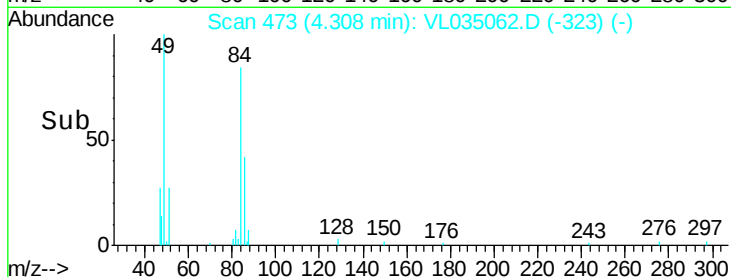
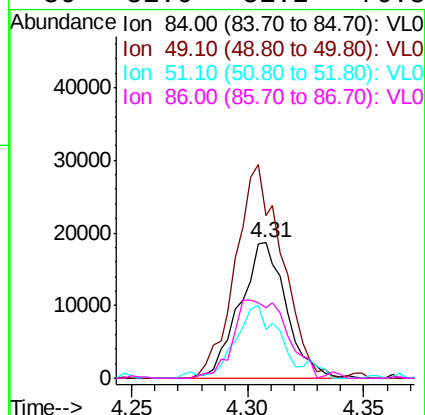
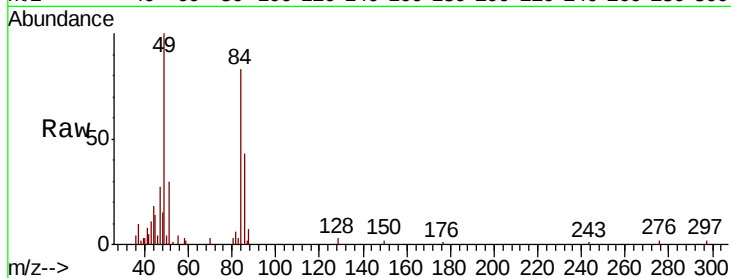




#20
Methvlene Chloride
Concen: 0.509 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.02 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

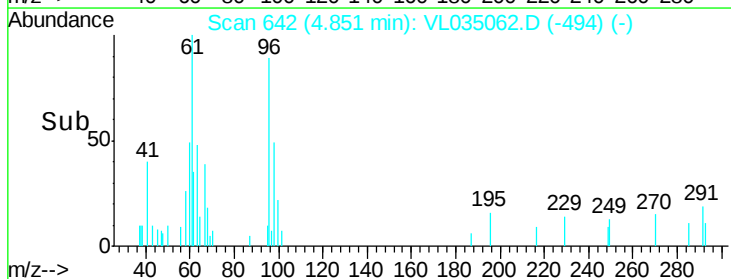
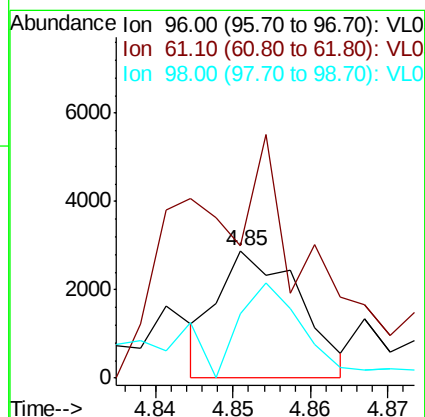
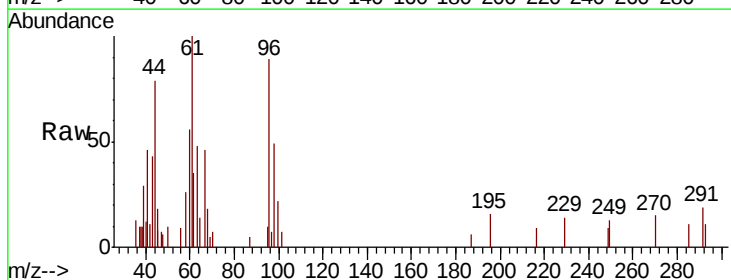
Instrument :
MSVOA_L
ClientSampleId :

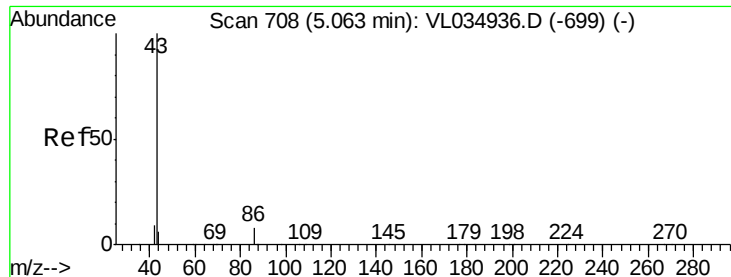
Tot Ion: 84 Resp: 25913
Ion Ratio Lower Upper
84 100
49 119.9 132.5 198.7#
51 36.2 38.4 57.6#
86 51.6 51.2 76.8



#22
trans-1,2-Dichloroethene
Concen: 0.041 ppbv
RT: 4.85 min Scan# 642
Delta R.T. -0.02 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

Tgt Ion: 96 Resp: 2132
Ion Ratio Lower Upper
96 100
61 95.4 135.3 202.9#
98 52.3 50.4 75.6





#23

Vinyl Acetate

Concen: 0.782 ppbv

RT: 5.03 min Scan# 699

Delta R.T. -0.03 min

Lab File: VL035062.D

Acq: 20 May 2020 2:50

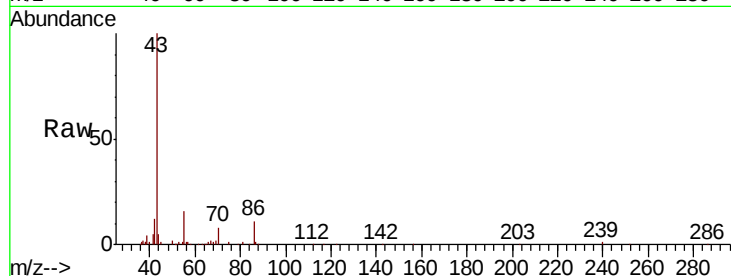
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 43 Resp: 152625

Ion	Ratio	Lower	Upper
43	100		
86	10.6	5.5	8.3#
42	11.4	8.0	12.0
44	3.8	4.5	6.7#



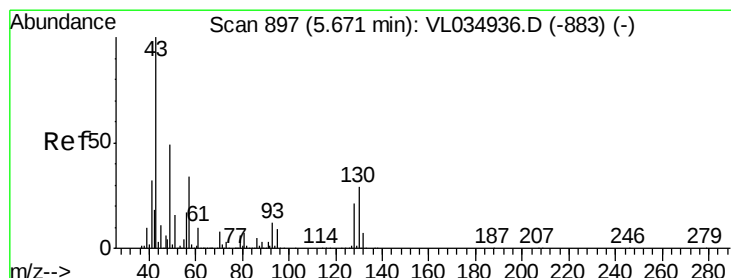
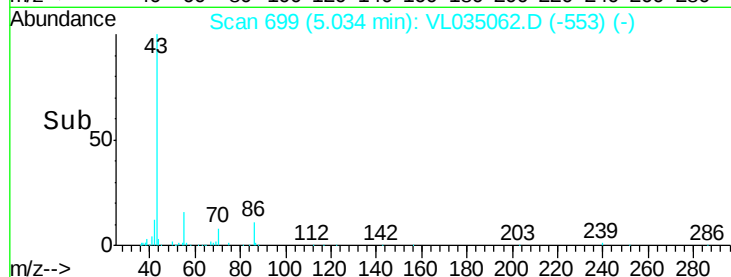
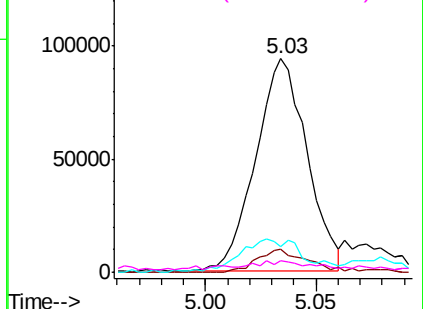
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Ion 44.10 (43.80 to 44.80): VL0



#25

Ethyl Acetate

Concen: 0.102 ppbv

RT: 5.66 min Scan# 893

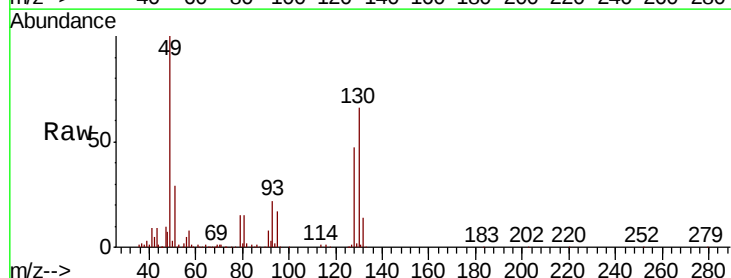
Delta R.T. -0.01 min

Lab File: VL035062.D

Acq: 20 May 2020 2:50

Tgt Ion: 43 Resp: 26309

Ion	Ratio	Lower	Upper
43	100		
45	19.6	8.1	12.1#
61	7.7	7.8	11.8#
70	9.7	6.0	9.0#



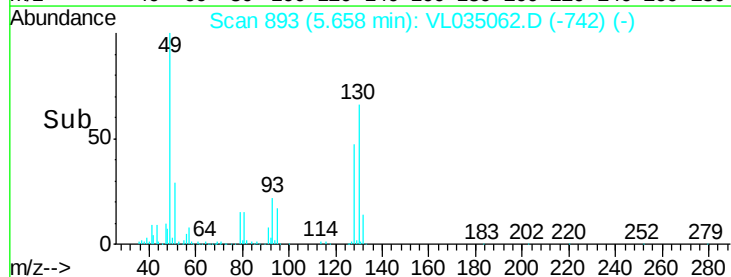
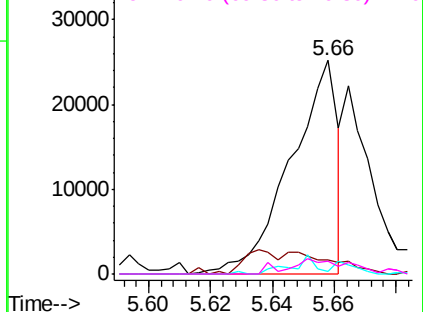
Abundance

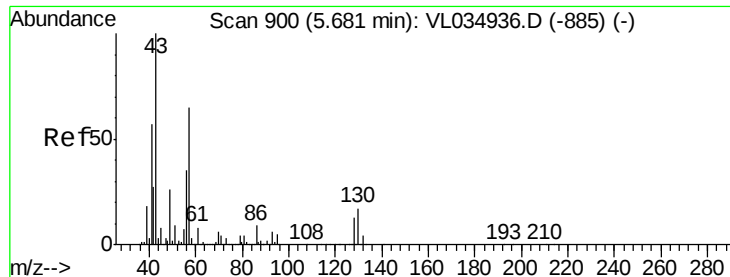
Ion 43.10 (42.80 to 43.80): VL0

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

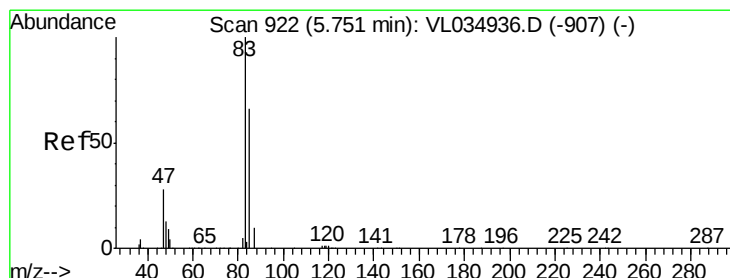
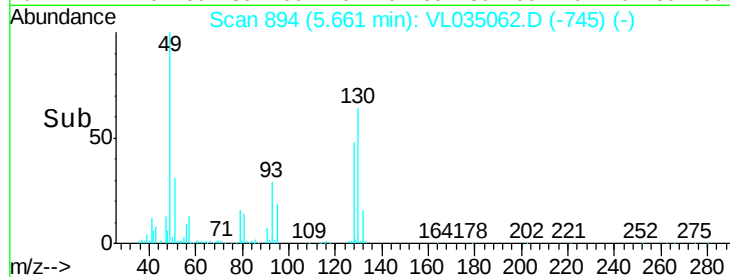
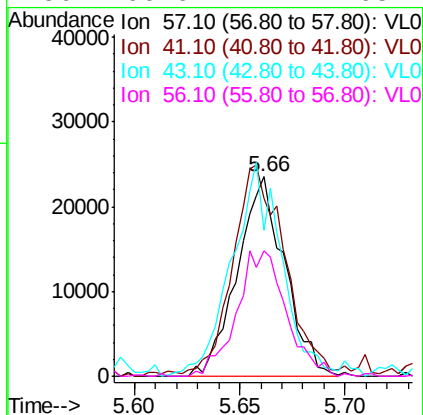
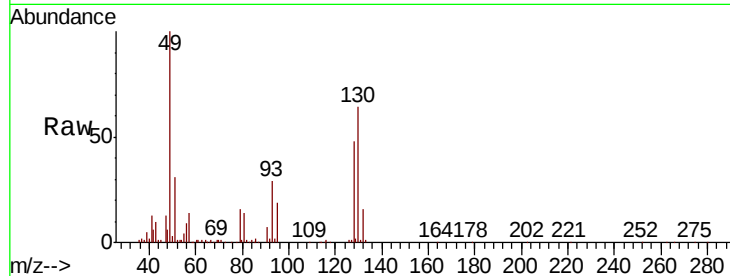




#26
Hexane
Concen: 0.328 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

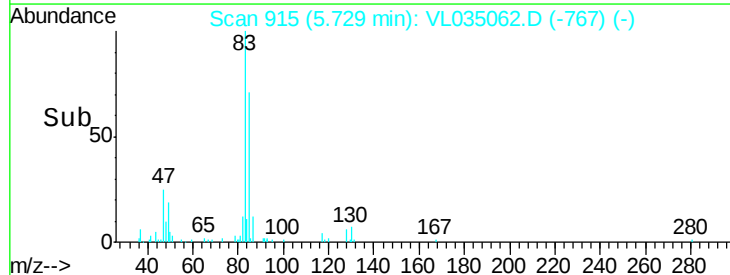
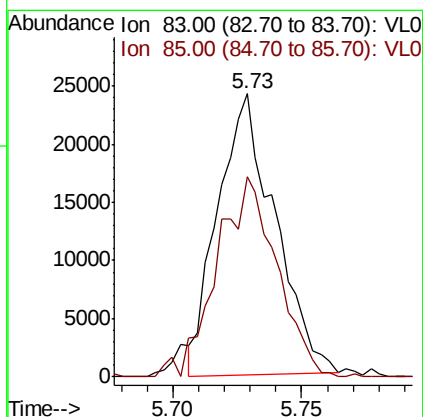
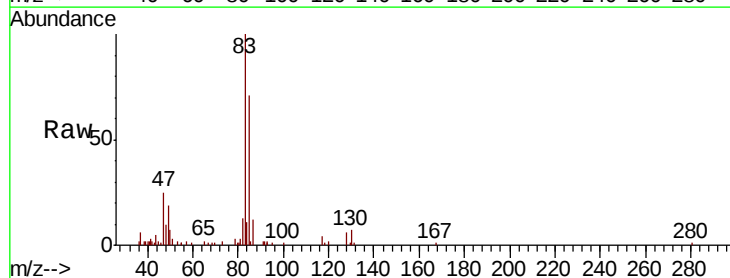
Instrument :
MSVOA_L
ClientSampled :

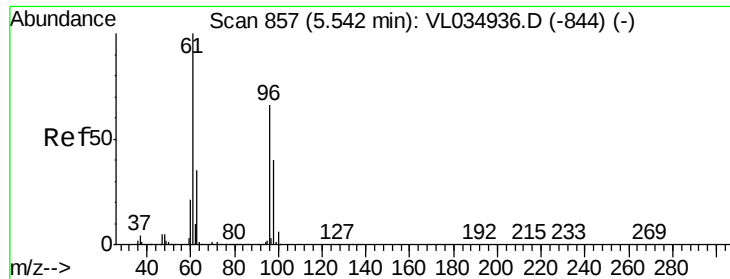
Tot Ion: 57 Resp: 36744
Ion Ratio Lower Upper
57 100
41 124.3 72.7 109.1#
43 116.1 182.1 273.1#
56 66.6 42.2 63.2#



#29
Chloroform
Concen: 0.203 ppbv
RT: 5.73 min Scan# 915
Delta R.T. -0.02 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

Tgt Ion: 83 Resp: 37143
Ion Ratio Lower Upper
83 100
85 73.4 53.0 79.6



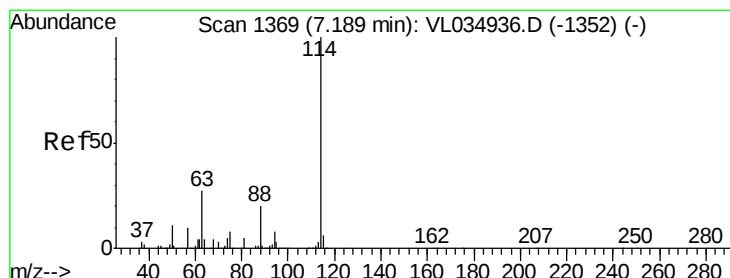
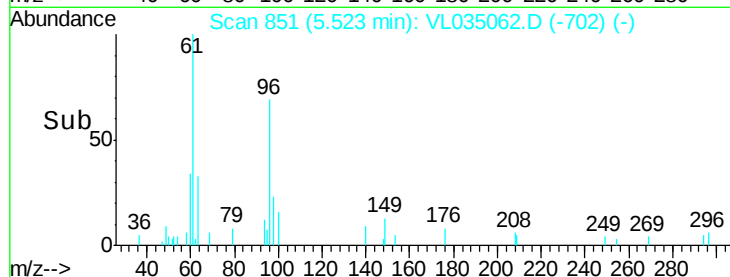
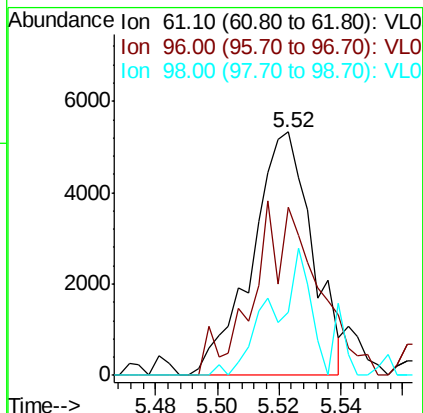
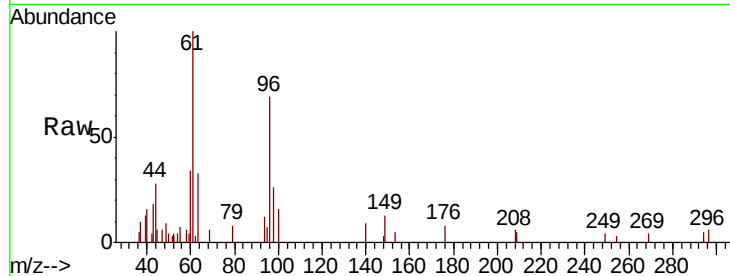


#31

cis-1,2-Dichloroethene
 Concen: 0.066 ppbv
 RT: 5.52 min Scan# 851
 Delta R.T. -0.02 min
 Lab File: VL035062.D
 Acq: 20 May 2020 2:50

Instrument :
 MSVOA_L
 ClientSampleId :

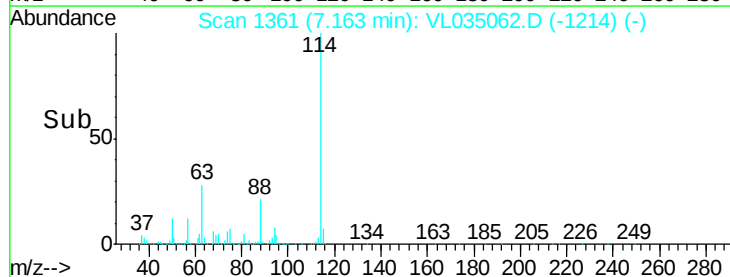
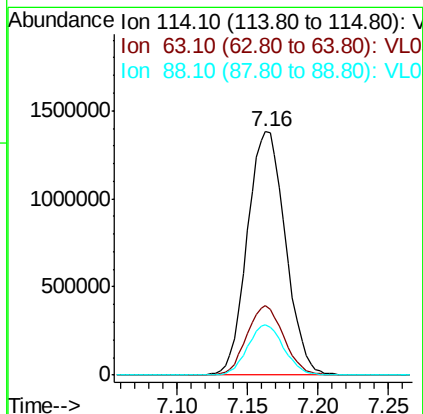
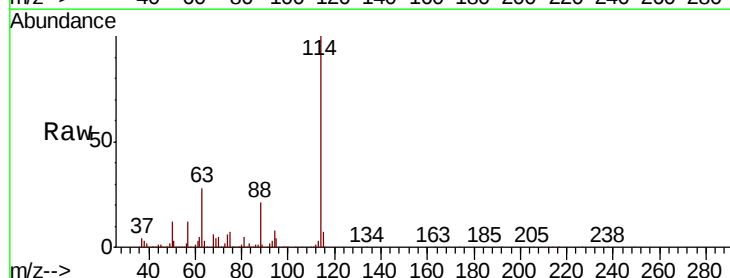
Tot Ion	61.10	Resp	7188
Ion Ratio	Lower	Upper	
61	100		
96	71.5	53.0	79.6
98	26.6	32.2	48.2#

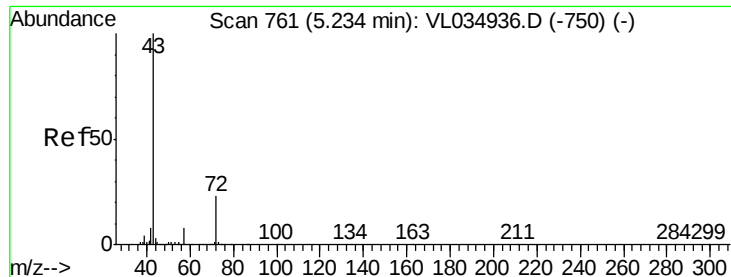


#33

1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.03 min
 Lab File: VL035062.D
 Acq: 20 May 2020 2:50

Tgt Ion	114	Resp	2612560
Ion Ratio	Lower	Upper	
114	100		
63	27.6	22.2	33.4
88	19.7	15.5	23.3

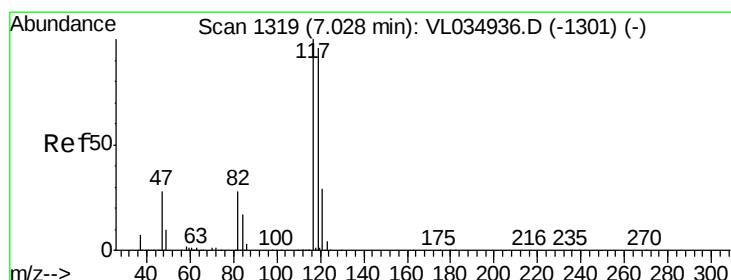
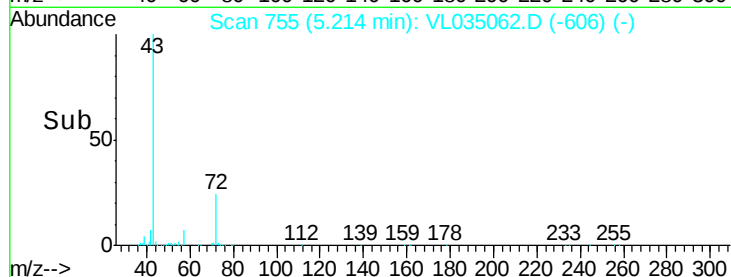
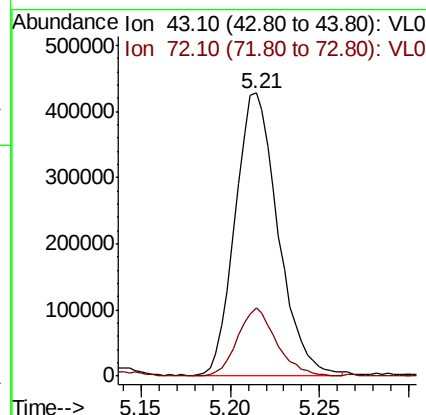
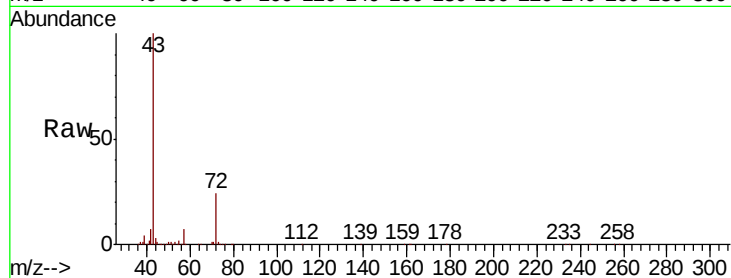




#34
2-Butanone
Concen: 4.403 ppbv
RT: 5.21 min Scan# 755
Delta R.T. -0.02 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

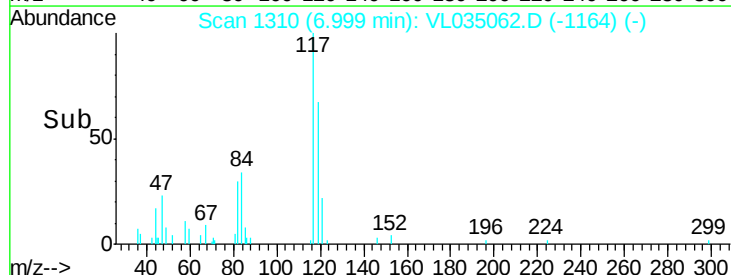
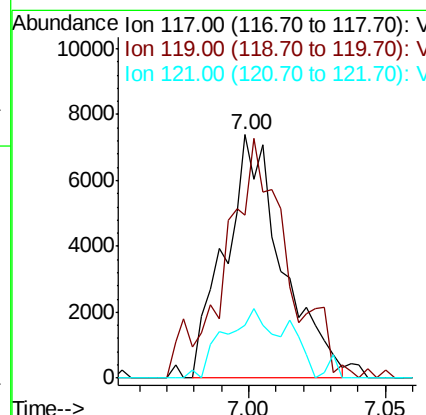
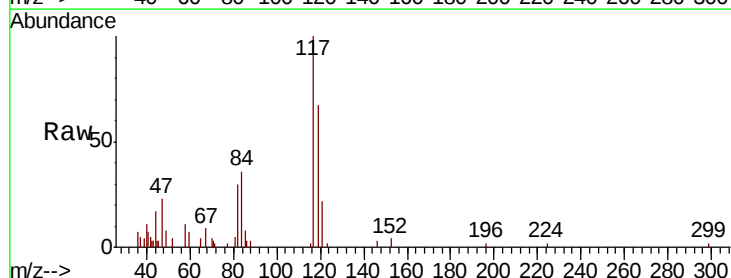
Instrument :
MSVOA_L
ClientSampleId :

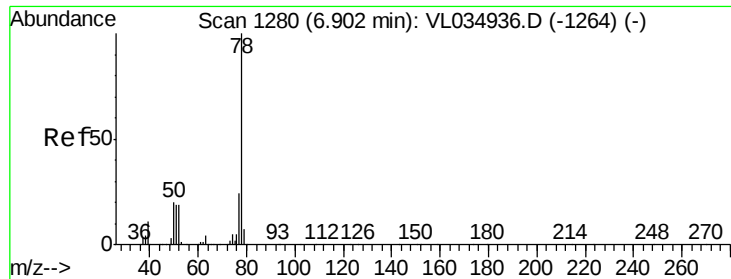
Tot Ion: 43 Resp: 714879
Ion Ratio Lower Upper
43 100
72 22.2 18.0 27.0



#35
Carbon Tetrachloride
Concen: 0.065 ppbv
RT: 7.00 min Scan# 1310
Delta R.T. -0.03 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

Tgt Ion: 117 Resp: 10788
Ion Ratio Lower Upper
117 100
119 61.5 77.0 115.6#
121 21.6 23.0 34.6#

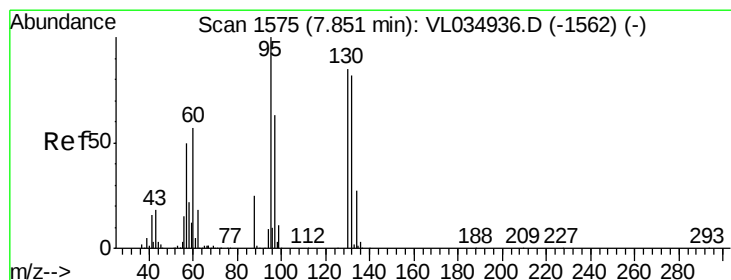
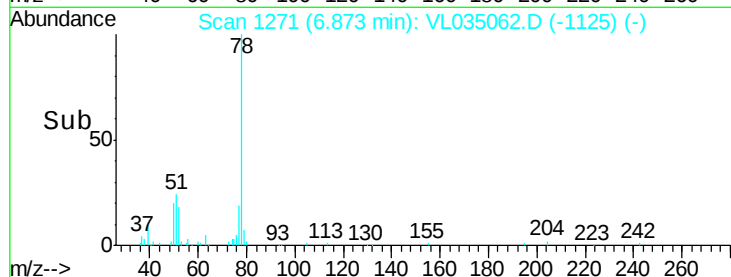
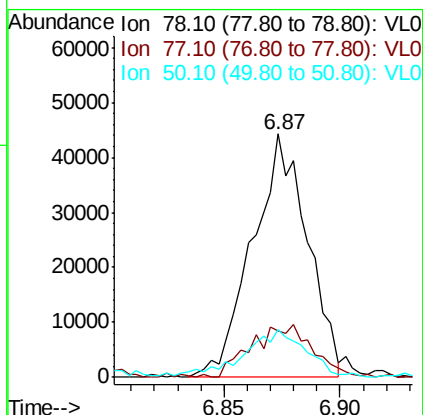
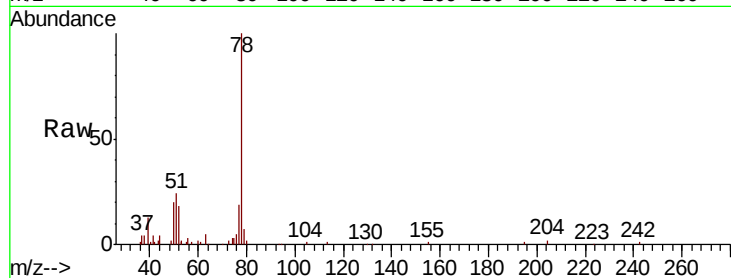




#36
Benzene
Concen: 0.336 ppbv
RT: 6.87 min Scan# 1271
Delta R.T. -0.03 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

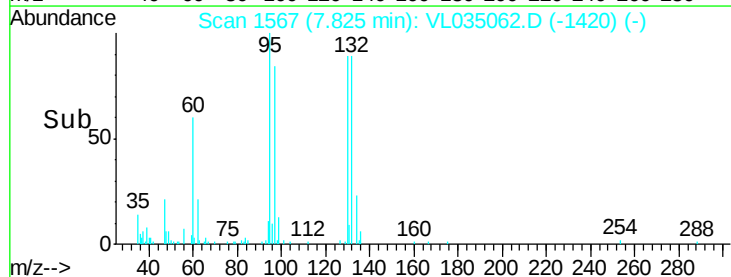
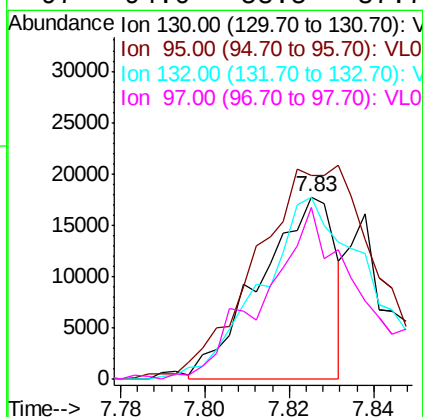
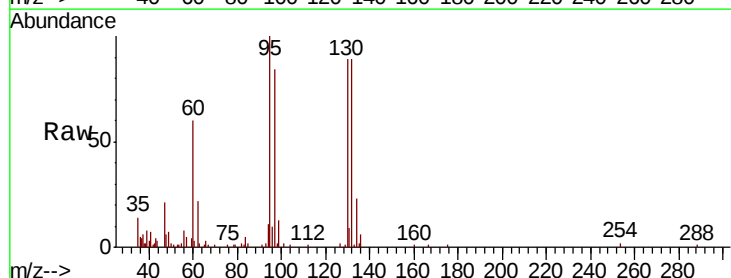
Instrument :
MSVOA_L
ClientSampleId :

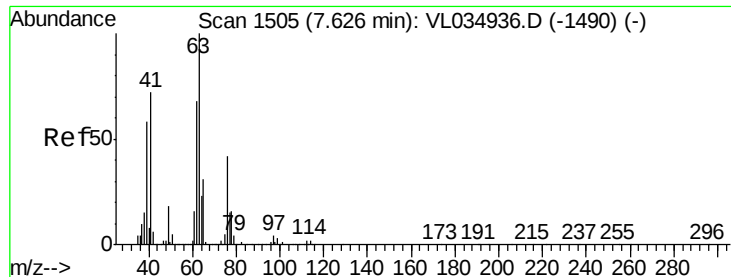
Tot Ion: 78 Resp: 72296
Ion Ratio Lower Upper
78 100
77 18.6 19.0 28.6#
50 18.7 15.8 23.8



#38
Trichloroethene
Concen: 0.262 ppbv
RT: 7.83 min Scan# 1567
Delta R.T. -0.03 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

Tgt Ion: 130 Resp: 21875
Ion Ratio Lower Upper
130 100
95 104.6 93.4 140.0
132 95.9 76.4 114.6
97 94.0 58.5 87.7#

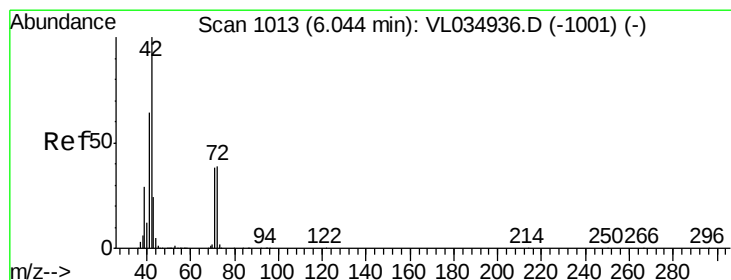
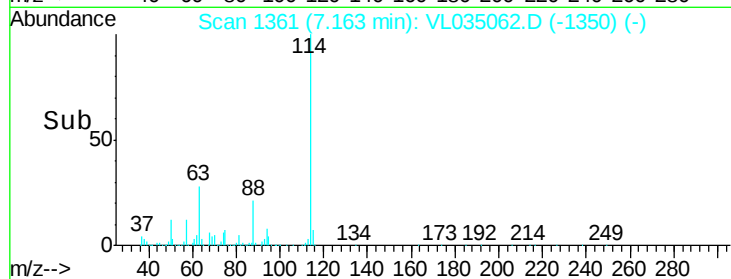
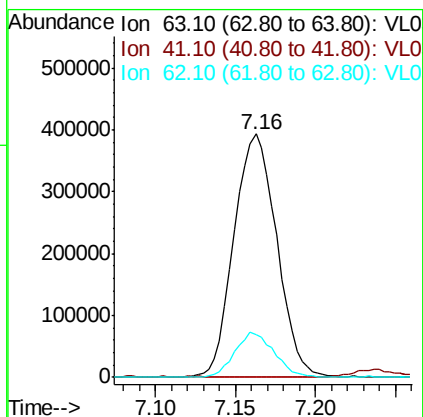
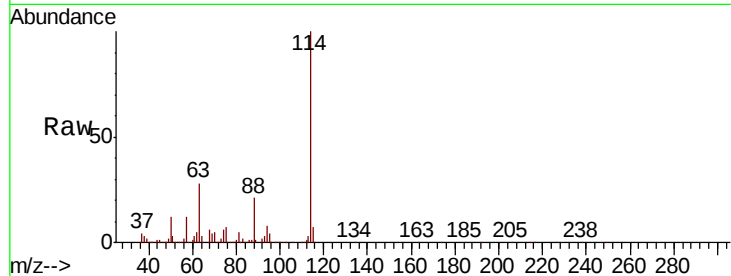




#39
 1,2-Dichloropropane
 Concen: 8.313 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.46 min
 Lab File: VL035062.D
 Acq: 20 May 2020 2:50

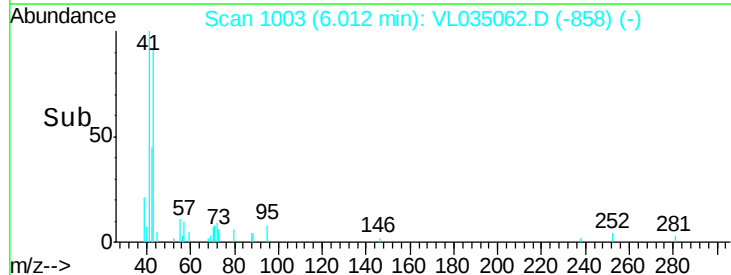
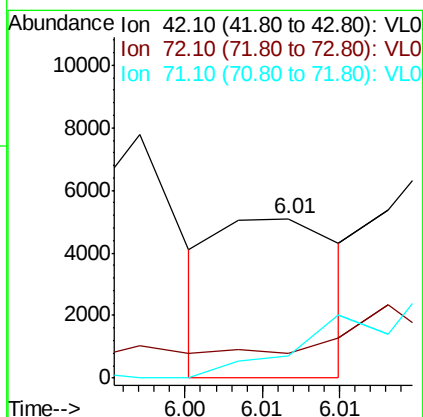
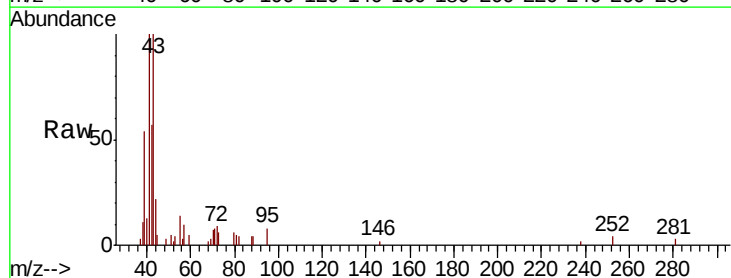
Instrument :
 MSVOA_L
 ClientSampled :

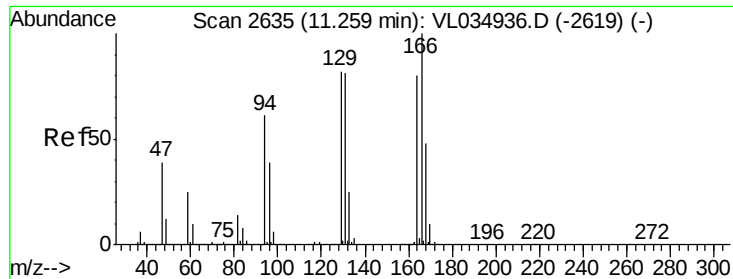
Tot Ion: 63 Resp: 717820
 Ion Ratio Lower Upper
 63 100
 41 0.0 57.8 86.8#
 62 17.5 54.2 81.2#



#41
 Tetrahydrofuran
 Concen: 0.033 ppbv
 RT: 6.01 min Scan# 1003
 Delta R.T. -0.03 min
 Lab File: VL035062.D
 Acq: 20 May 2020 2:50

Tgt Ion: 42 Resp: 2783
 Ion Ratio Lower Upper
 42 100
 72 0.0 31.4 47.0#
 71 0.0 29.8 44.8#





#52

Tetrachloroethene

Concen: 21.721 ppbv

RT: 11.23 min Scan# 2627

Delta R.T. -0.03 min

Lab File: VL035062.D

Acq: 20 May 2020 2:50

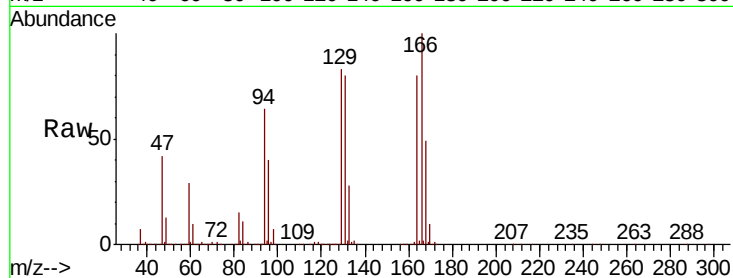
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 1663637

Ion	Ratio	Lower	Upper
164	100		
166	124.4	100.7	151.1
129	102.8	83.0	124.4
131	99.5	81.0	121.4



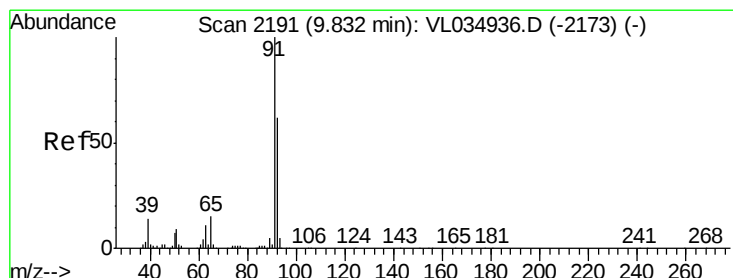
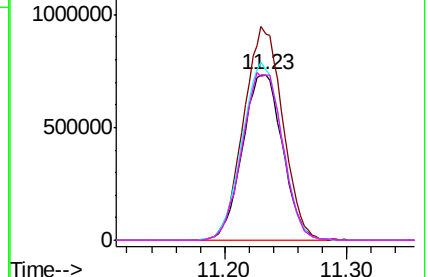
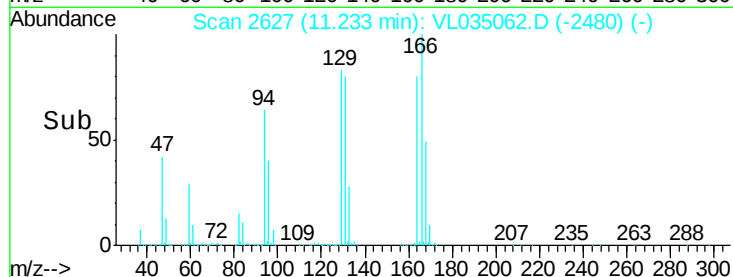
Abundance

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: 1.579 ppbv

RT: 9.81 min Scan# 2184

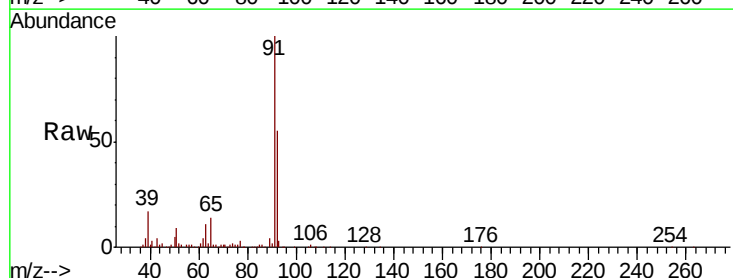
Delta R.T. -0.02 min

Lab File: VL035062.D

Acq: 20 May 2020 2:50

Tgt Ion: 91 Resp: 360642

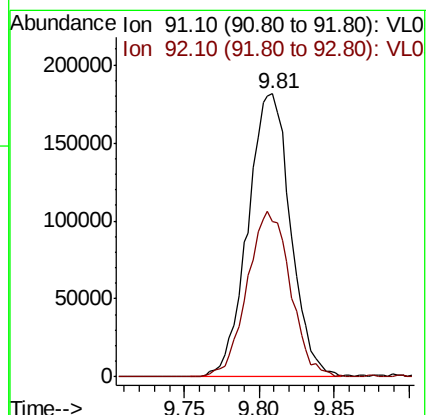
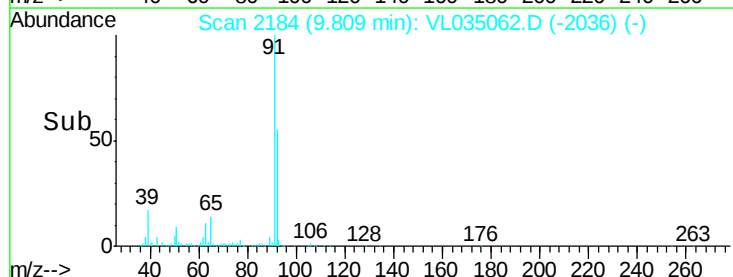
Ion	Ratio	Lower	Upper
91	100		
92	59.1	48.6	73.0

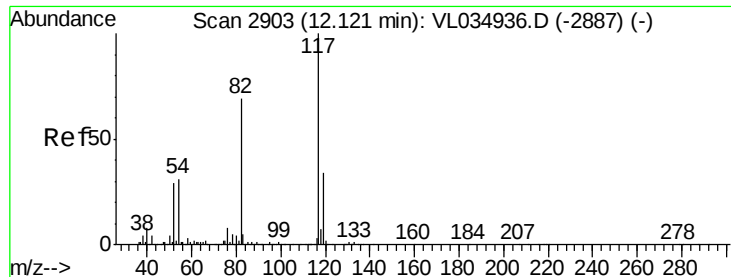


Abundance

Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

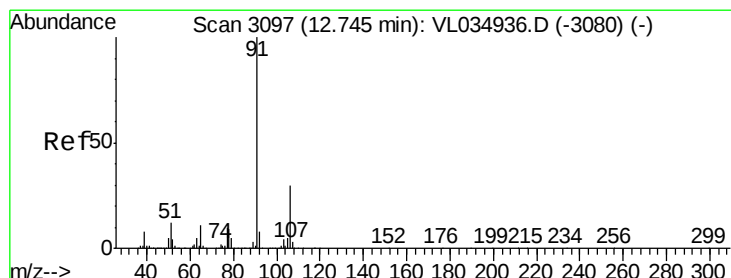
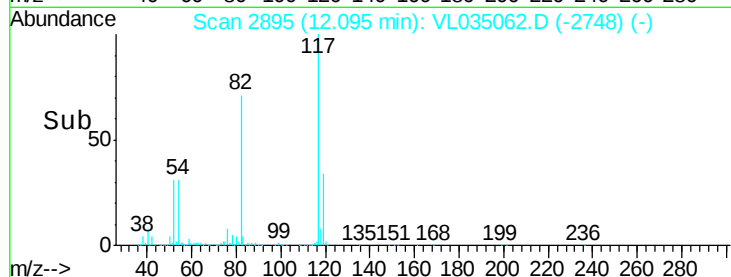
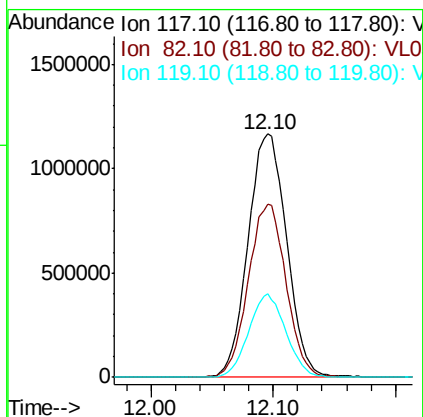
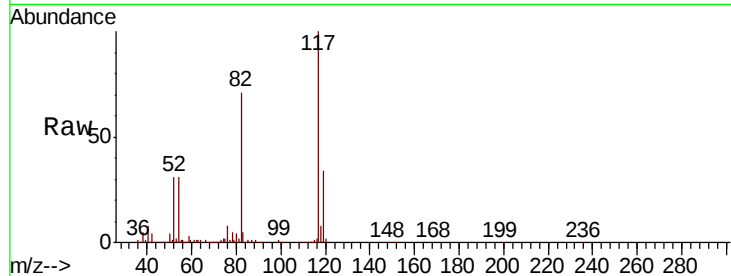




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2895
Delta R.T. -0.03 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

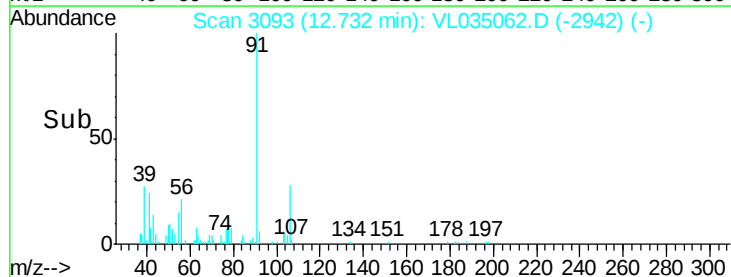
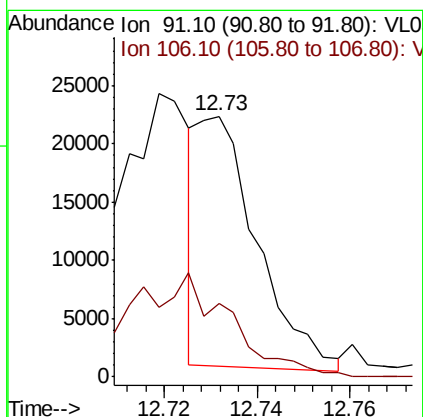
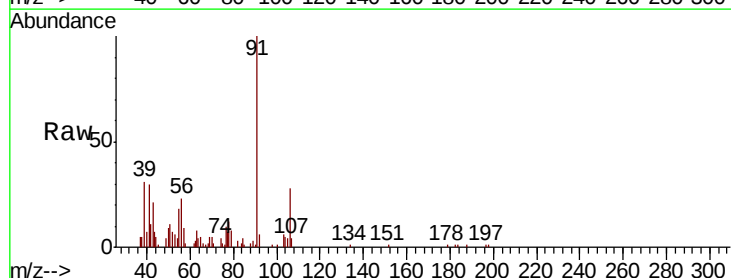
Instrument :
MSVOA_L
ClientSampleId :

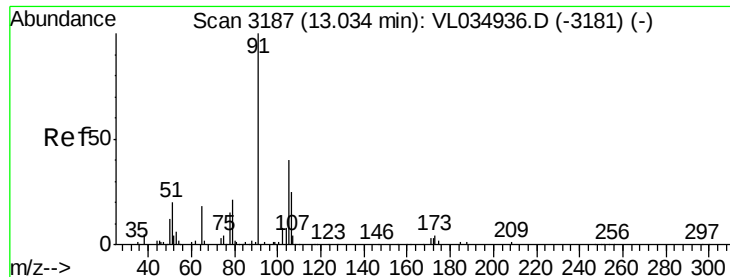
Tot Ion:117 Resp: 2547381
Ion Ratio Lower Upper
117 100
82 69.6 53.1 79.7
119 33.0 26.7 40.1



#58
Ethyl Benzene
Concen: 0.060 ppbv
RT: 12.73 min Scan# 3093
Delta R.T. -0.01 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

Tgt Ion: 91 Resp: 18779
Ion Ratio Lower Upper
91 100
106 28.2 24.2 36.4

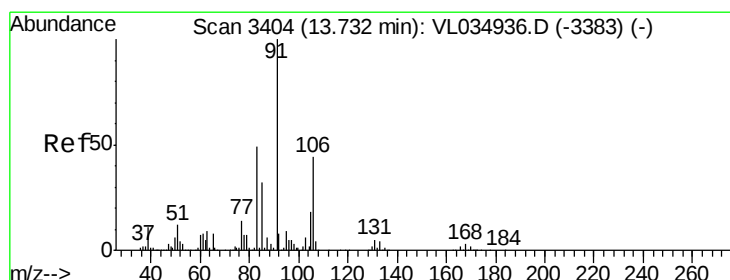
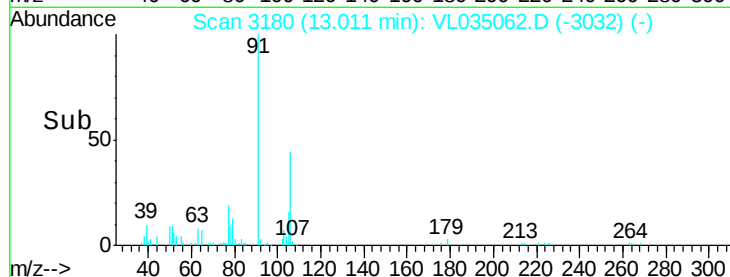
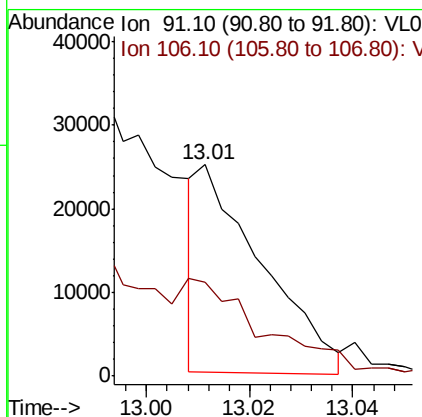
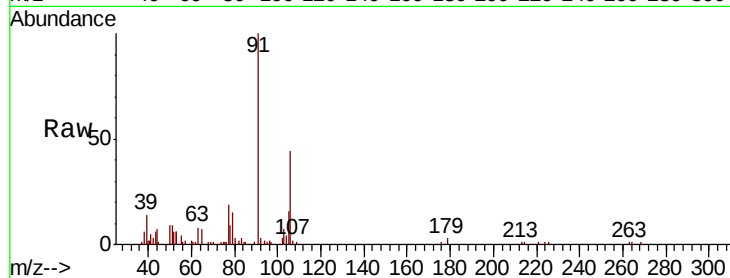




#59
m/p-Xylene
Concen: 0.077 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.02 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

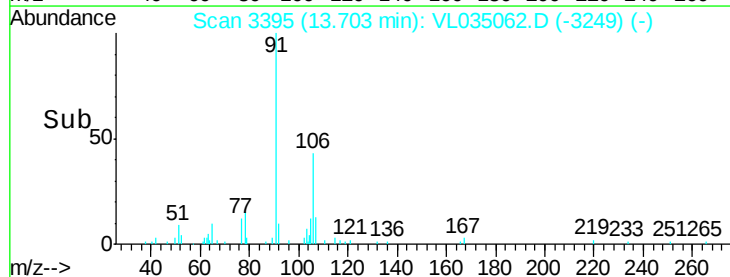
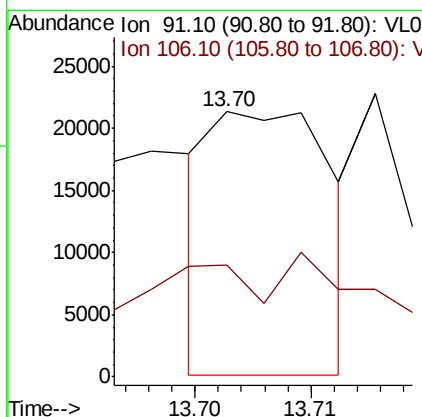
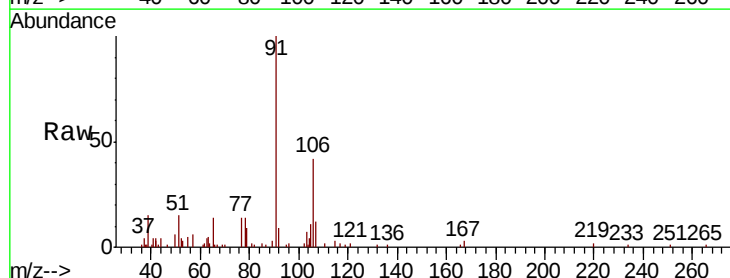
Instrument :
MSVOA_L
ClientSampleId :

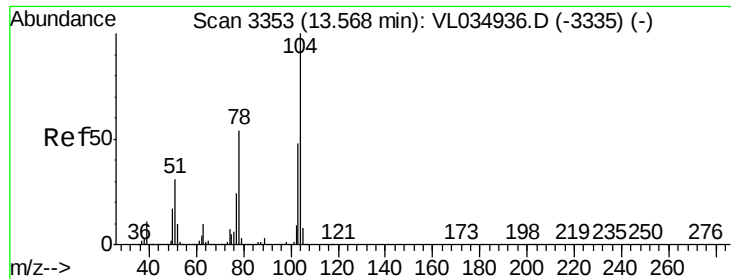
Tot Ion: 91 Resp: 21280
Ion Ratio Lower Upper
91 100
106 0.0 66.0 99.0#



#60
o-Xylene
Concen: 0.055 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.03 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

Tgt Ion: 91 Resp: 15087
Ion Ratio Lower Upper
91 100
106 0.0 21.9 65.5#

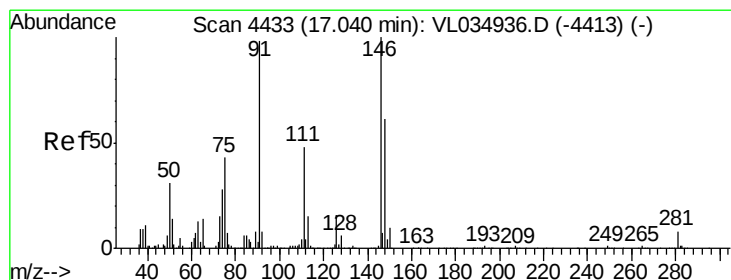
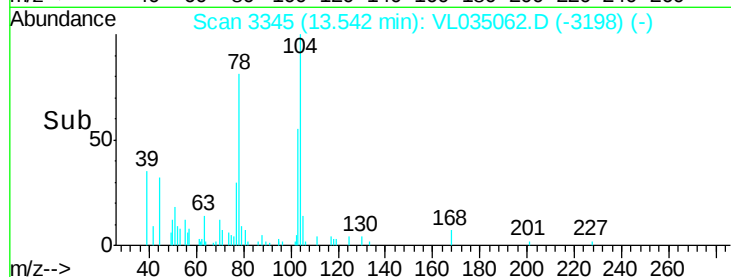
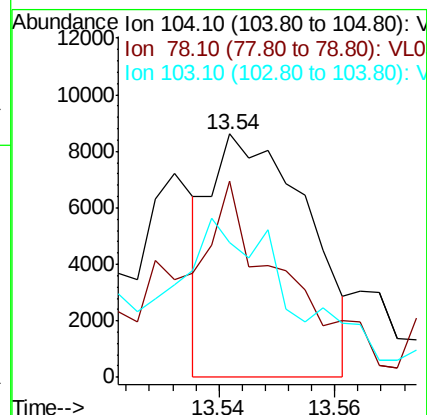
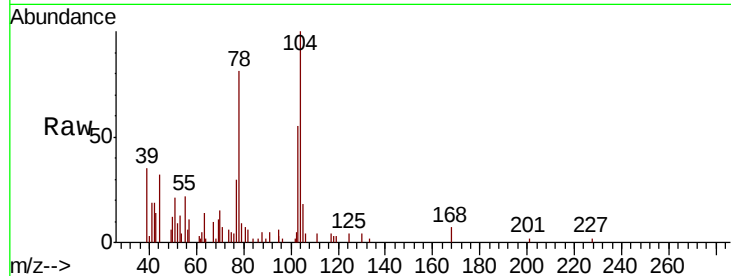




#61
Stvrene
Concen: 0.057 ppbv
RT: 13.54 min Scan# 3345
Delta R.T. -0.03 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

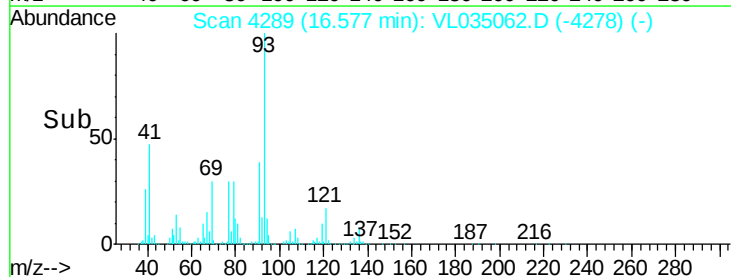
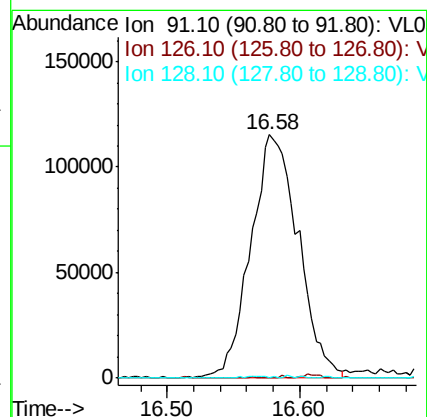
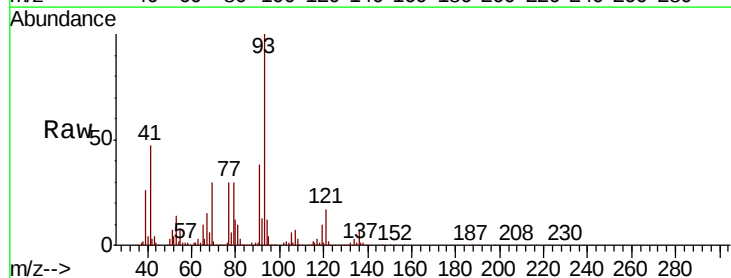
Instrument :
MSVOA_L
ClientSampleId :

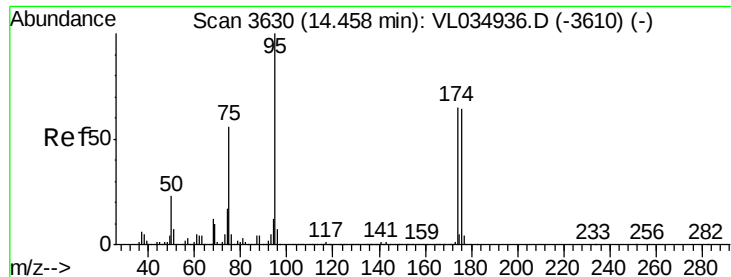
Tot Ion:104 Resp: 9940
Ion Ratio Lower Upper
104 100
78 116.0 43.7 65.5#
103 103.4 38.8 58.2#



#66
Benzyl Chloride
Concen: 2.381 ppbv
RT: 16.58 min Scan# 4289
Delta R.T. -0.46 min
Lab File: VL035062.D
Acq: 20 May 2020 2:50

Tgt Ion: 91 Resp: 286275
Ion Ratio Lower Upper
91 100
126 0.1 13.8 20.6#
128 0.4 4.3 6.5#

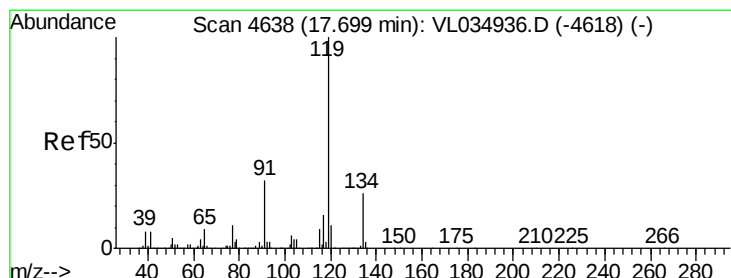
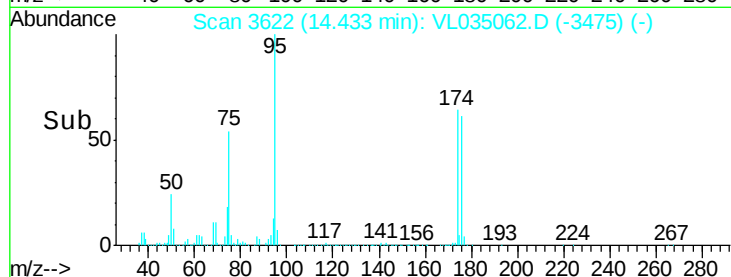
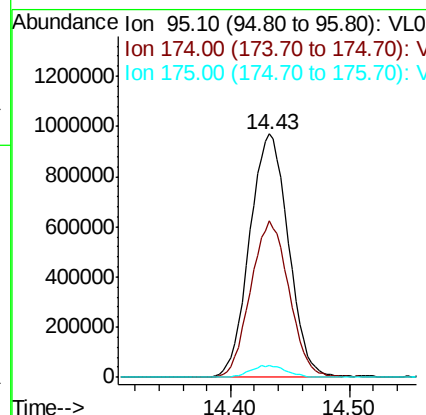
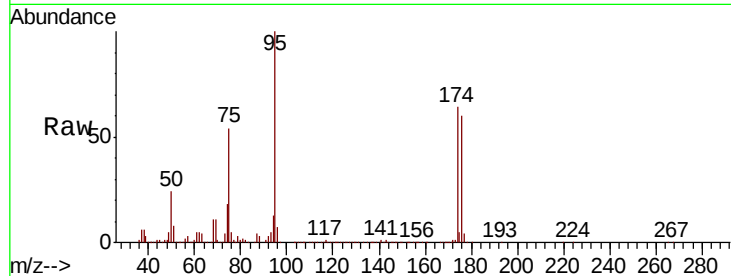




#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.604 ppbv
 RT: 14.43 min Scan# 3622
 Delta R.T. -0.03 min
 Lab File: VL035062.D
 Acq: 20 May 2020 2:50

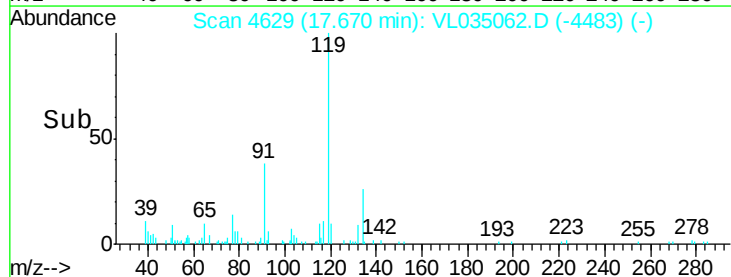
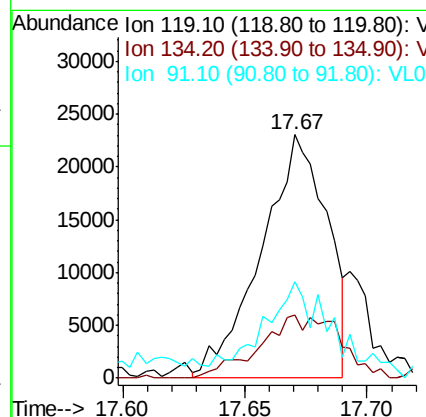
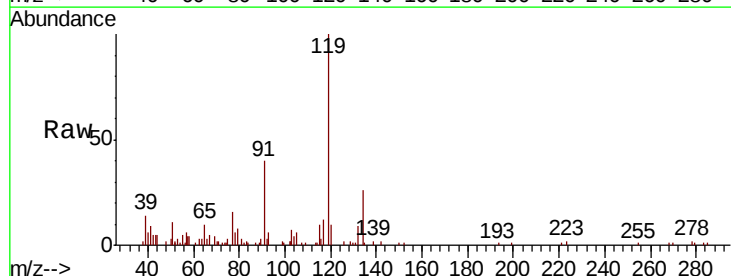
Instrument :
 MSVOA_L
 ClientSampled :

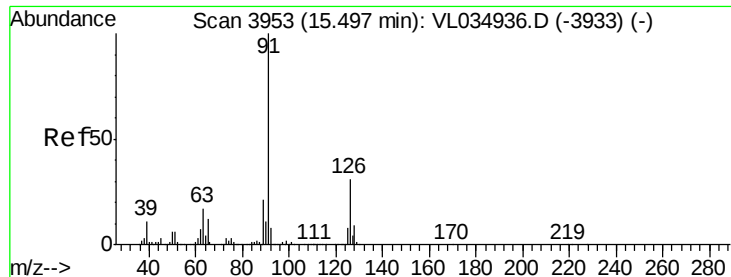
Tot Ion: 95 Resp: 2186531
 Ion Ratio Lower Upper
 95 100
 174 63.6 51.5 77.3
 175 4.6 3.8 5.8



#69
 p-Isopropyltoluene
 Concen: 0.105 ppbv
 RT: 17.67 min Scan# 4629
 Delta R.T. -0.03 min
 Lab File: VL035062.D
 Acq: 20 May 2020 2:50

Tgt Ion: 119 Resp: 43146
 Ion Ratio Lower Upper
 119 100
 134 31.5 20.3 30.5#
 91 47.0 24.6 36.8#





#71

2-Chlorotoluene

Concen: 17.512 ppbv

RT: 15.34 min Scan# 3904

Delta R.T. -0.16 min

Lab File: VL035062.D

Acq: 20 May 2020 2:50

Instrument :

MSVOA_L

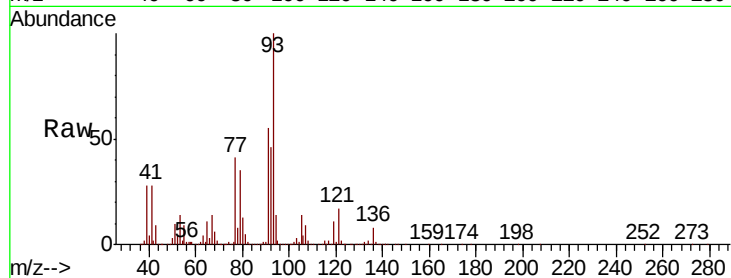
ClientSampleId :

Tot Ion: 91 Resp: 5397533

Ion Ratio Lower Upper

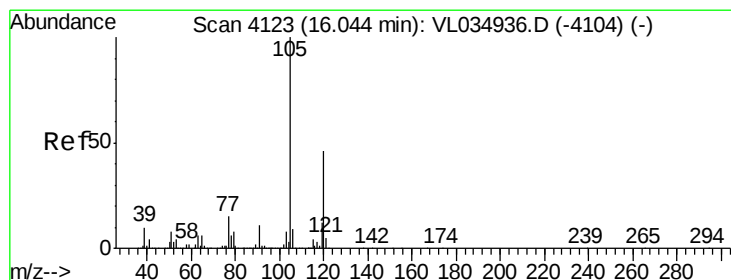
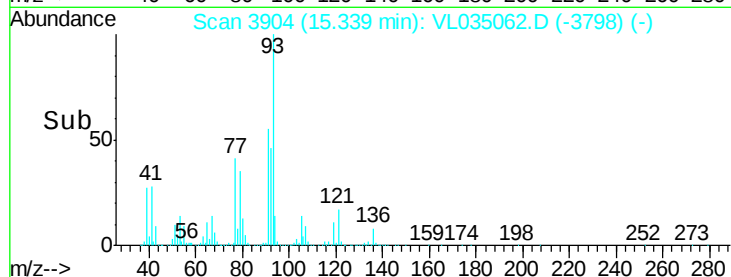
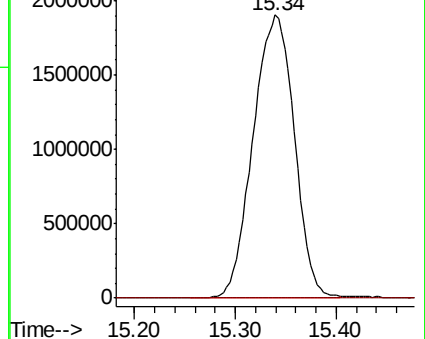
91 100

126 0.0 12.0 47.8#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 126.10 (125.80 to 126.80): V



#73

1,3,5-Trimethylbenzene

Concen: 0.031 ppbv

RT: 16.00 min Scan# 4111

Delta R.T. -0.04 min

Lab File: VL035062.D

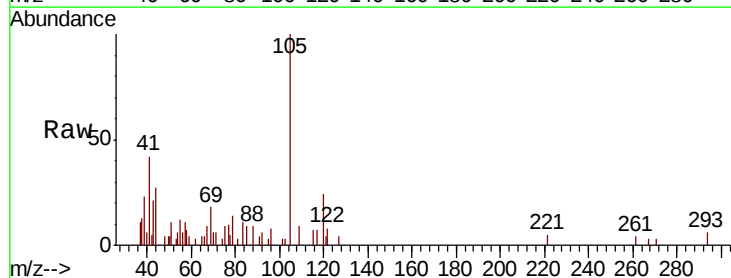
Acq: 20 May 2020 2:50

Tgt Ion:105 Resp: 9266

Ion Ratio Lower Upper

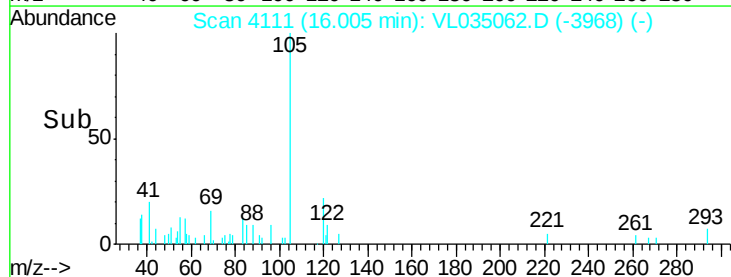
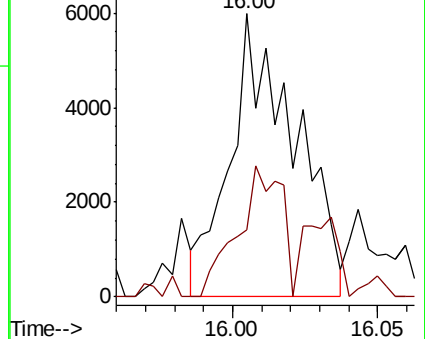
105 100

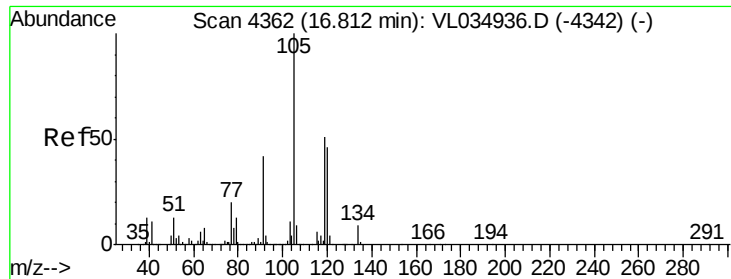
120 26.4 36.4 54.6#



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V





#74
 1,2,4-Trimethylbenzene
 Concen: 0.049 ppbv
 RT: 16.78 min Scan# 4353
 Delta R.T. -0.03 min
 Lab File: VL035062.D
 Acq: 20 May 2020 2:50

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:	105	Resp:	15939
Ion Ratio	Lower	Upper	
105	100		
120	16.2	36.8	55.2#
91	8.7	35.4	53.0#
77	0.0	16.2	24.2#

