

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050620\
 Data File : VL034960.D
 Acq On : 7 May 2020 8:05
 Operator : SY/AP
 Sample : L2507-03DL2 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 09:26:17 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	5.66	49	1146728	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.19	114	2687426	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.12	117	2488666	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.46	95	2054336	10.20	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.00%

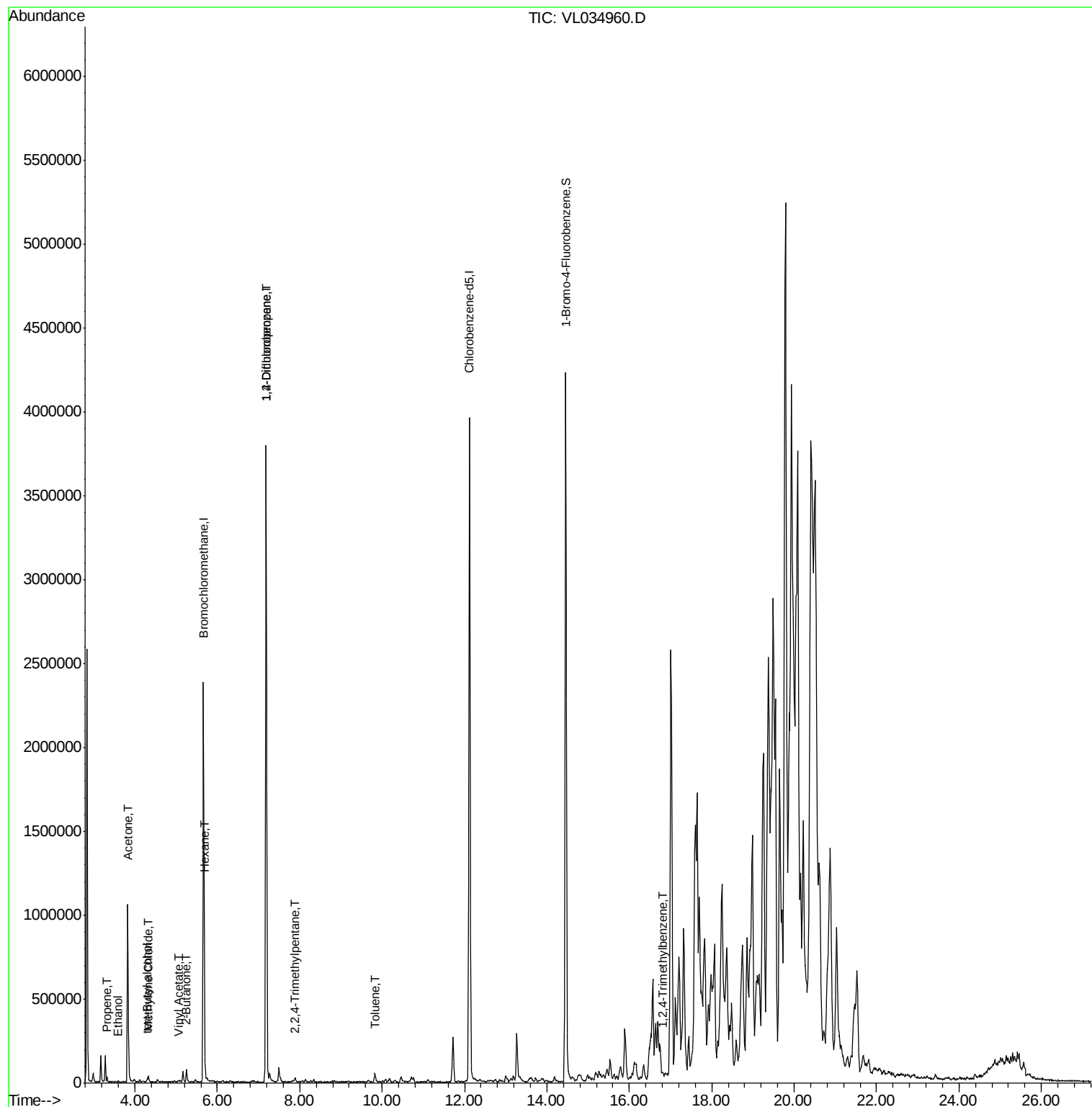
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.32	41	4759	0.084	ppbv	84
13) Ethanol	3.58	45	894	0.048	ppbv #	39
15) Acetone	3.83	43	1087106	7.171	ppbv	100
17) tert-Butyl alcohol	4.30	59	11972	0.089	ppbv #	81
20) Methylene Chloride	4.33	84	10449	0.208	ppbv #	76
23) Vinyl Acetate	5.07	43	4656	0.024	ppbv #	71
26) Hexane	5.69	57	3757	0.034	ppbv #	38
34) 2-Butanone	5.25	43	81726	0.489	ppbv	100
39) 1,2-Dichloropropane	7.19	63	703002	7.915	ppbv #	24
44) 2,2,4-Trimethylpentane	7.88	57	17463	0.044	ppbv #	57
53) Toluene	9.84	91	16748	0.071	ppbv	95
74) 1,2,4-Trimethylbenzene	16.81	105	7750	0.024	ppbv #	57

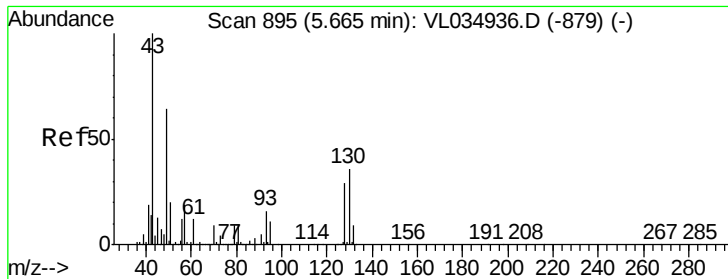
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 07 09:26:17 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 895

Delta R.T. -0.00 min

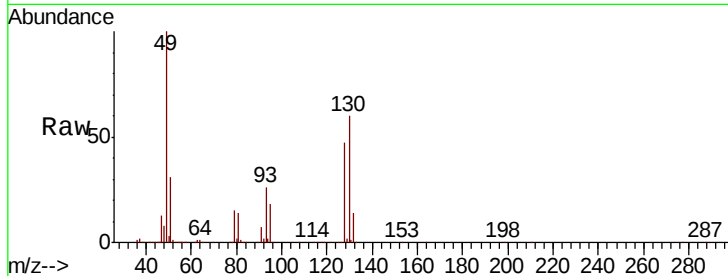
Lab File: VL034960.D

Acq: 7 May 2020 8:05

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1146728

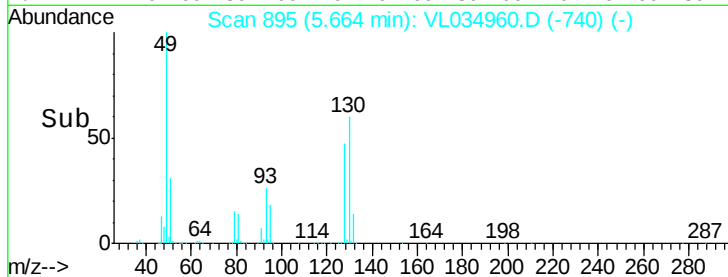
Ion	Ratio	Lower	Upper
49	100		
128	46.4	22.1	66.5
130	58.8	29.1	87.3



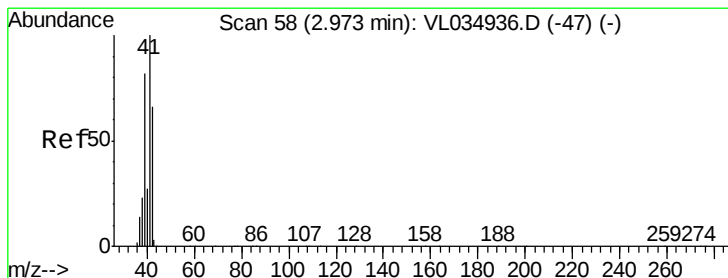
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#9

Propene

Concen: 0.084 ppbv

RT: 3.32 min Scan# 167

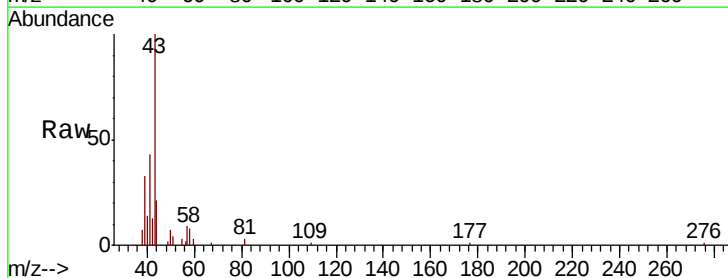
Delta R.T. 0.35 min

Lab File: VL034960.D

Acq: 7 May 2020 8:05

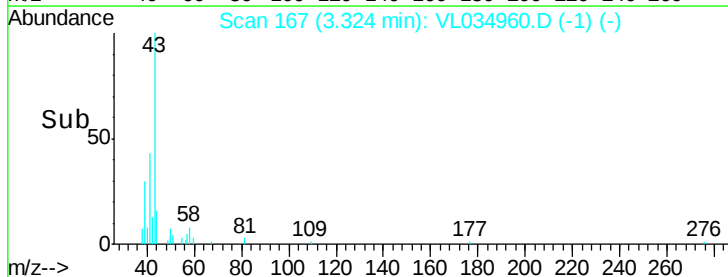
Tgt Ion: 41 Resp: 4759

Ion	Ratio	Lower	Upper
41	100		
42	55.5	54.5	81.7

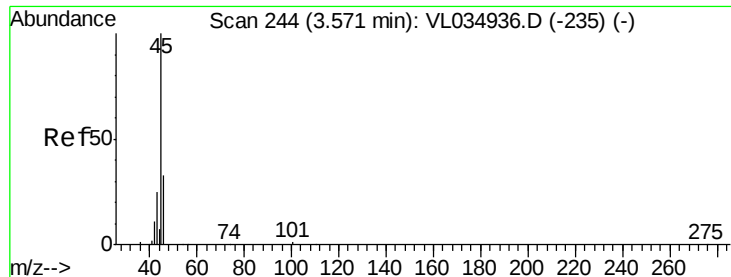


Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



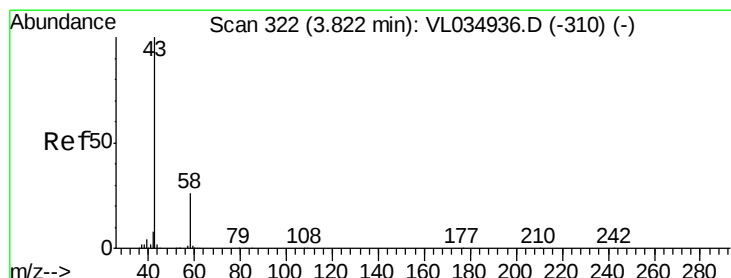
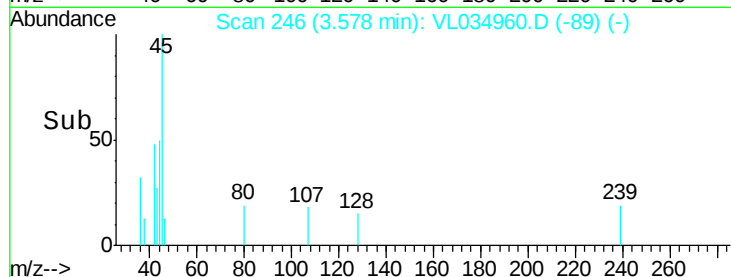
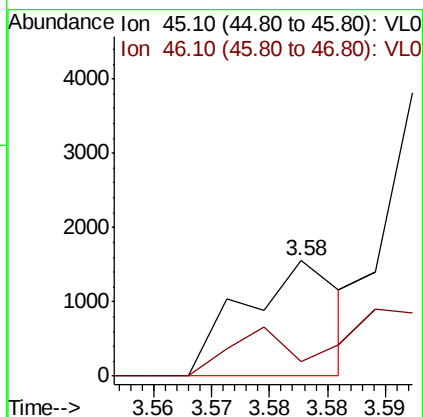
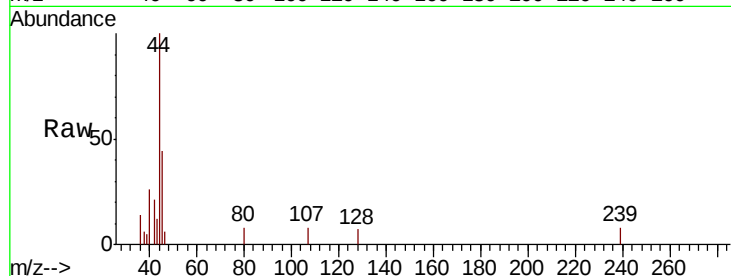
Time-->



#13
Ethanol
Concen: 0.048 ppbv
RT: 3.58 min Scan# 246
Delta R.T. 0.01 min
Lab File: VL034960.D
Acq: 7 May 2020 8:05

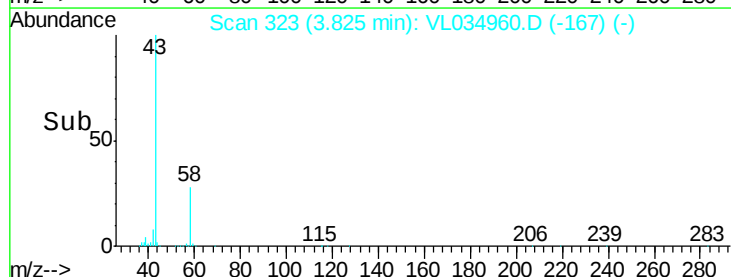
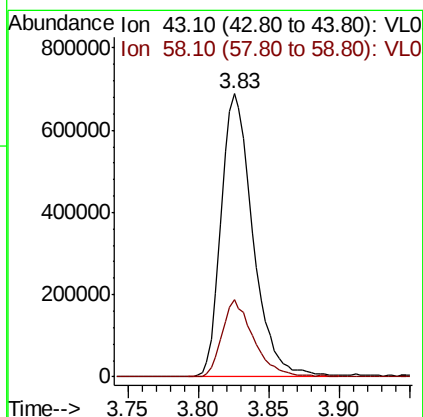
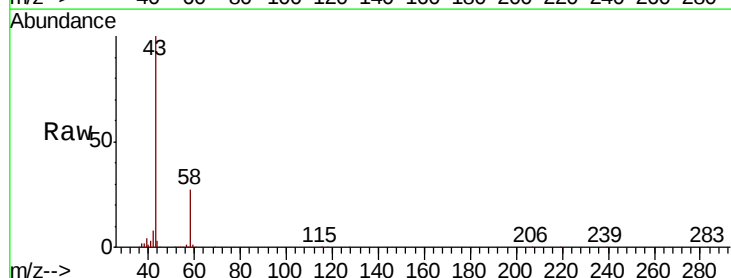
Instrument :
MSVOA_L
ClientSampled :

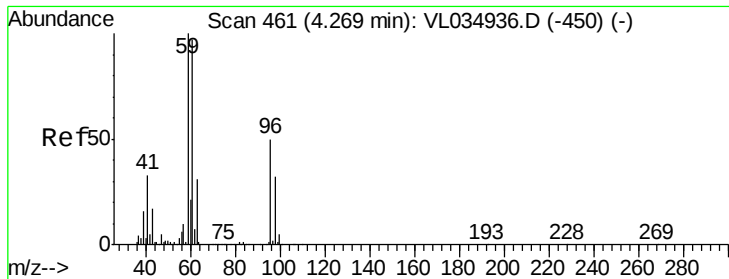
Tot Ion: 45 Resp: 894
Ion Ratio Lower Upper
45 100
46 0.0 14.3 57.3#



#15
Acetone
Concen: 7.171 ppbv
RT: 3.83 min Scan# 323
Delta R.T. 0.00 min
Lab File: VL034960.D
Acq: 7 May 2020 8:05

Tgt Ion: 43 Resp: 1087106
Ion Ratio Lower Upper
43 100
58 27.2 21.7 32.5



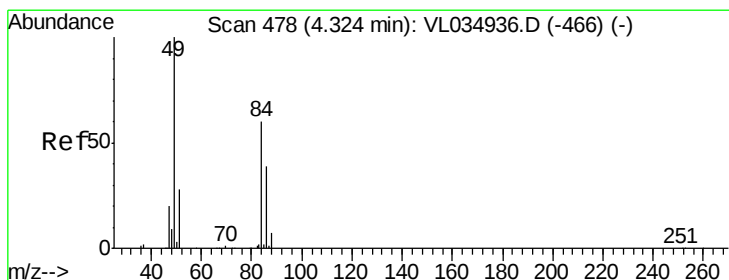
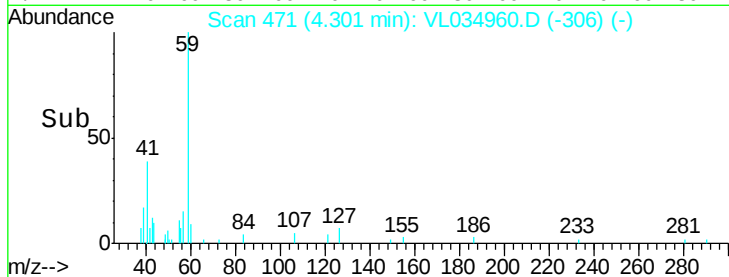
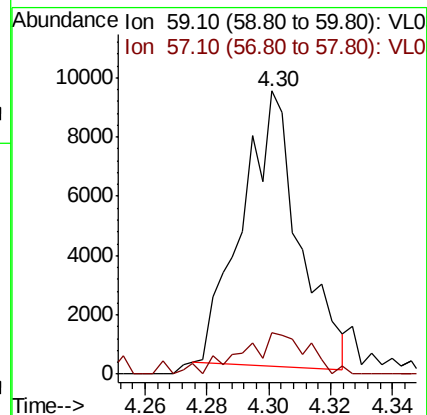
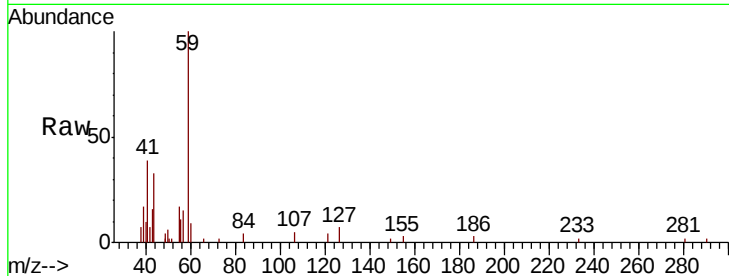


#17

tert-Butyl alcohol
 Concen: 0.089 ppbv
 RT: 4.30 min Scan# 471
 Delta R.T. 0.03 min
 Lab File: VL034960.D
 Acq: 7 May 2020 8:05

Instrument :
 MSVOA_L
 ClientSampled :

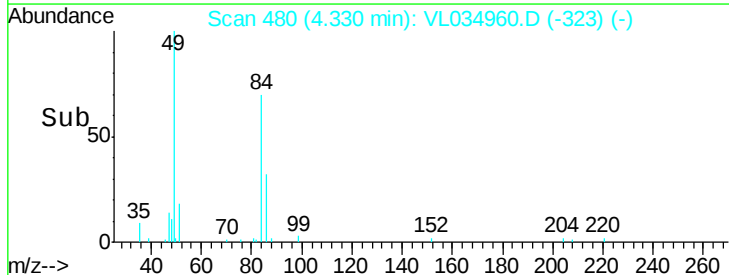
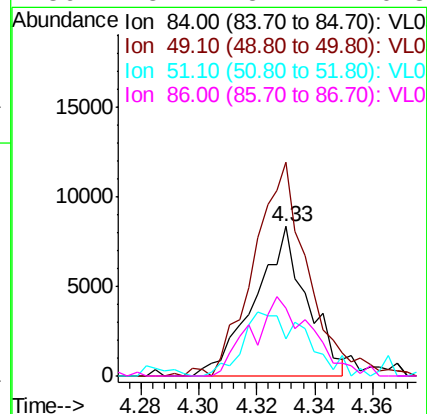
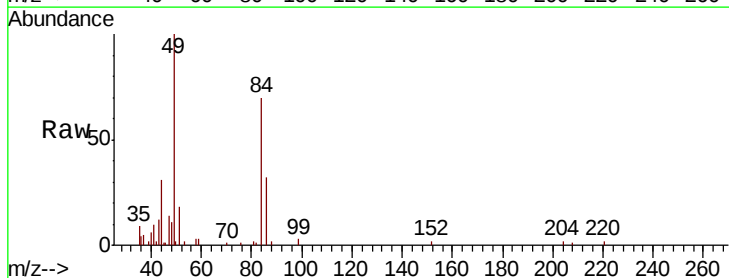
Tot Ion: 59 Resp: 11972
 Ion Ratio Lower Upper
 59 100
 57 18.1 8.7 13.1#

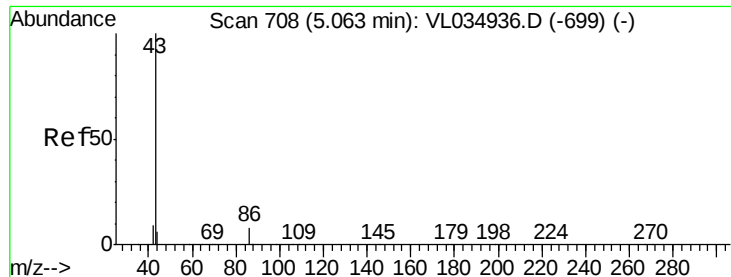


#20

Methylene Chloride
 Concen: 0.208 ppbv
 RT: 4.33 min Scan# 480
 Delta R.T. 0.01 min
 Lab File: VL034960.D
 Acq: 7 May 2020 8:05

Tgt Ion: 84 Resp: 10449
 Ion Ratio Lower Upper
 84 100
 49 138.1 132.5 198.7
 51 25.1 38.4 57.6#
 86 45.1 51.2 76.8#

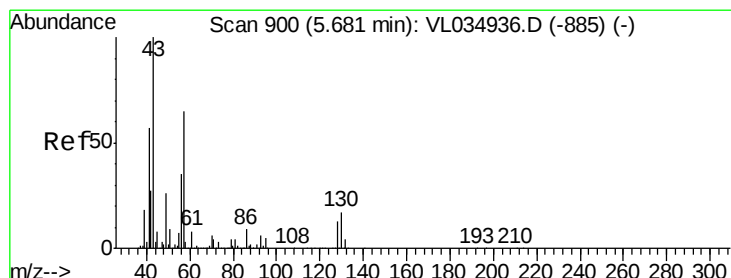
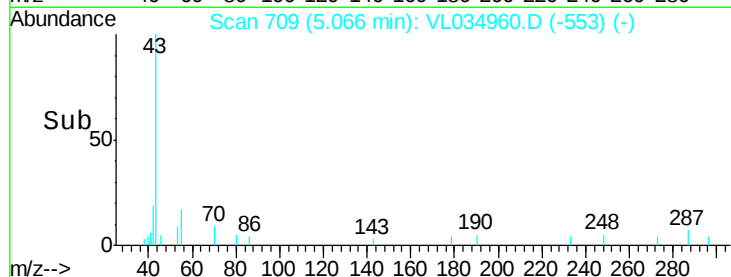
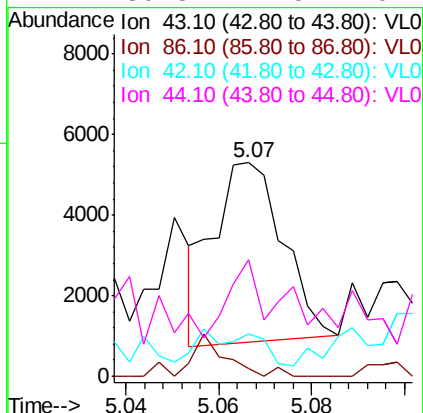
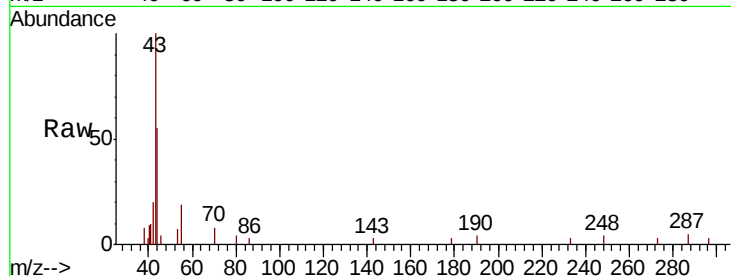




#23
 Vinyl Acetate
 Concen: 0.024 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. 0.00 min
 Lab File: VL034960.D
 Acq: 7 May 2020 8:05

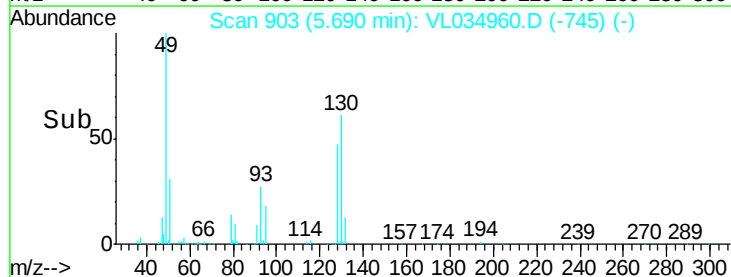
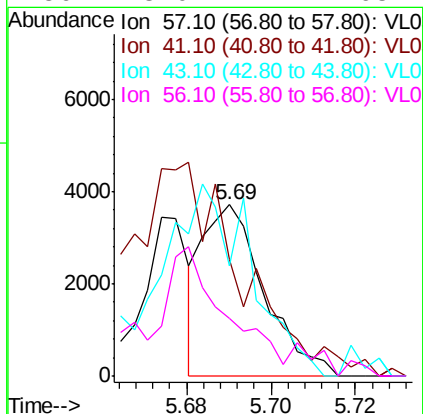
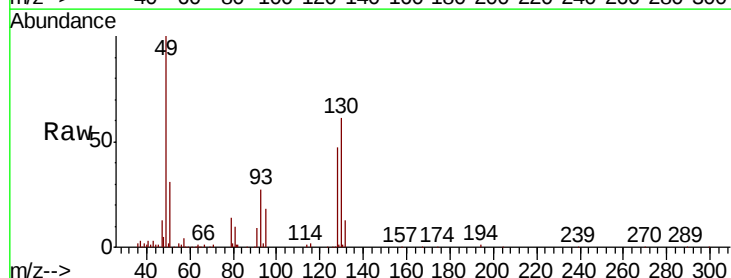
Instrument :
 MSVOA_L
 ClientSampleId :

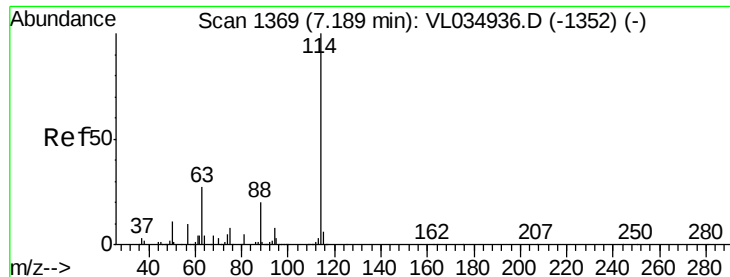
Tot Ion:	43	Resp:	4656
Ion	Ratio	Lower	Upper
43	100		
86	4.2	5.5	8.3#
42	11.3	8.0	12.0
44	39.3	4.5	6.7#



#26
 Hexane
 Concen: 0.034 ppbv
 RT: 5.69 min Scan# 903
 Delta R.T. 0.01 min
 Lab File: VL034960.D
 Acq: 7 May 2020 8:05

Tgt Ion:	57	Resp:	3757
Ion	Ratio	Lower	Upper
57	100		
41	243.4	72.7	109.1#
43	199.0	182.1	273.1
56	113.0	42.2	63.2#



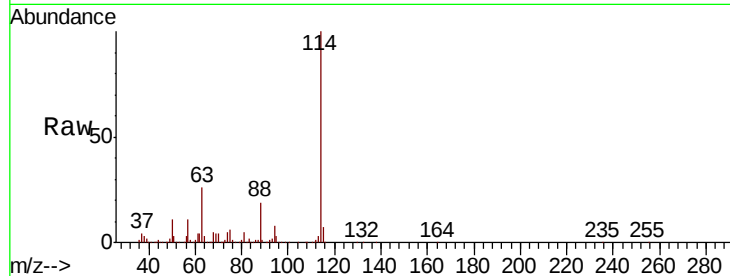


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.00 min
 Lab File: VL034960.D
 Acq: 7 May 2020 8:05

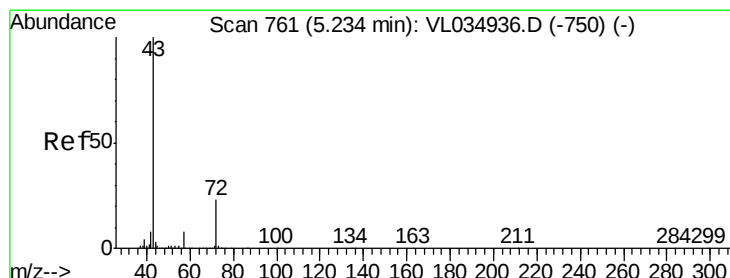
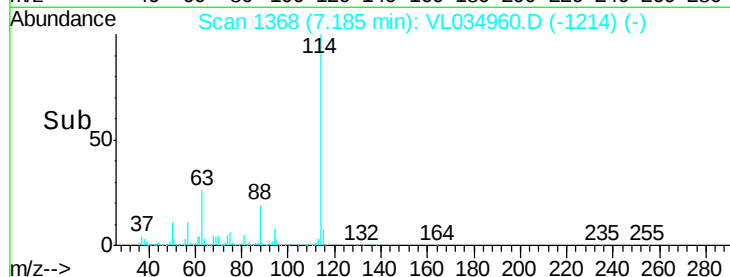
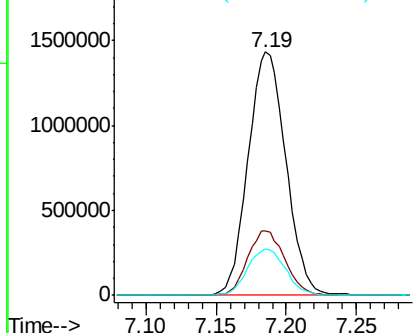
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 2687426

Ion	Ratio	Lower	Upper
114	100		
63	26.3	22.2	33.4
88	19.3	15.5	23.3



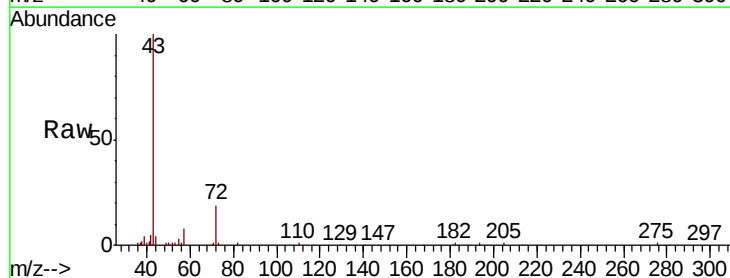
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



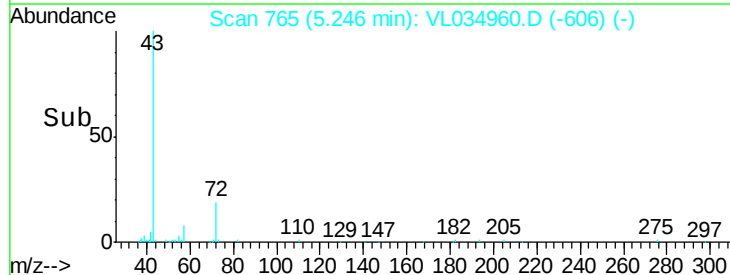
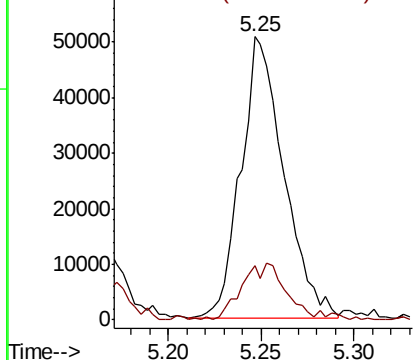
#34
 2-Butanone
 Concen: 0.489 ppbv
 RT: 5.25 min Scan# 765
 Delta R.T. 0.01 min
 Lab File: VL034960.D
 Acq: 7 May 2020 8:05

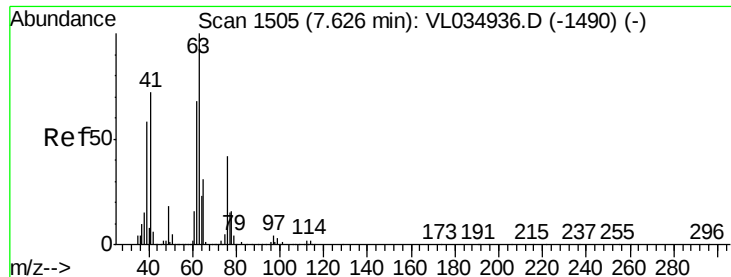
Tgt Ion: 43 Resp: 81726

Ion	Ratio	Lower	Upper
43	100		
72	22.5	18.0	27.0



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

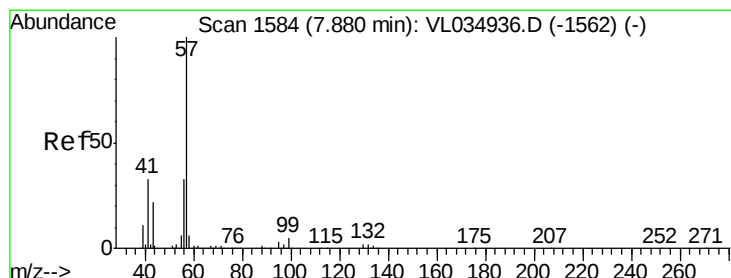
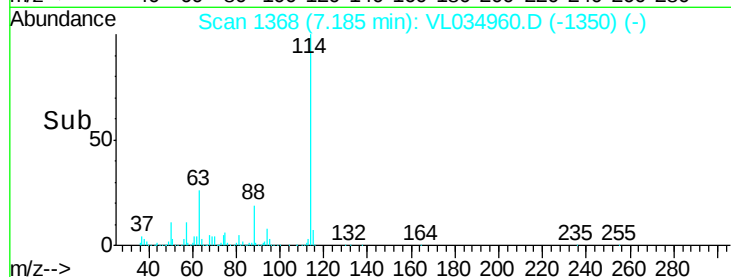
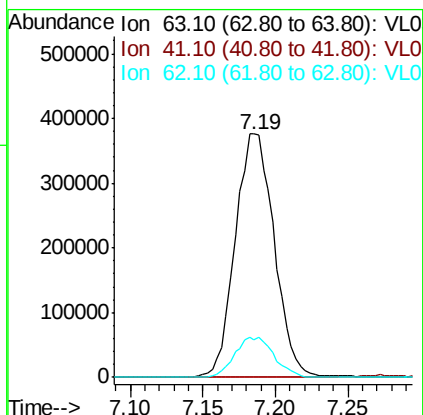
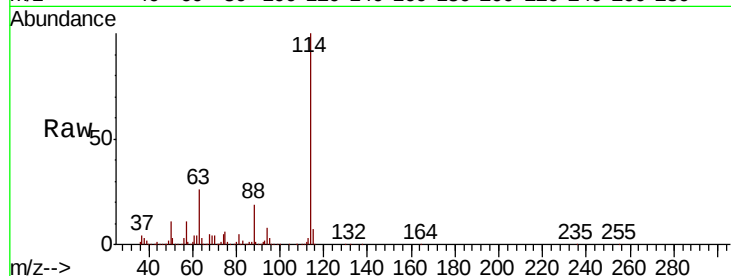




#39
 1,2-Dichloropropane
 Concen: 7.915 ppbv
 RT: 7.19 min Scan# 1368
 Delta R.T. -0.44 min
 Lab File: VL034960.D
 Acq: 7 May 2020 8:05

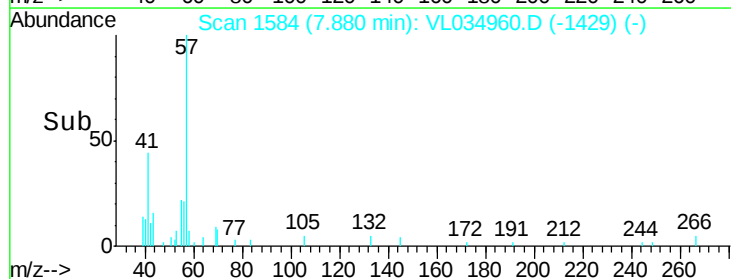
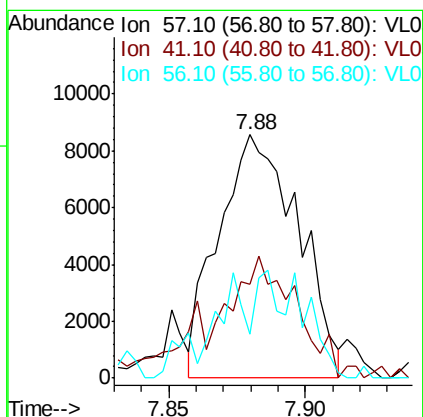
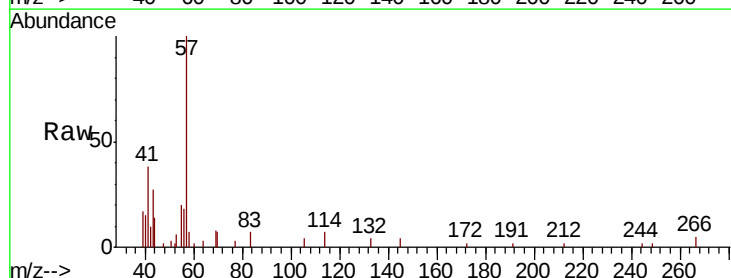
Instrument :
 MSVOA_L
 ClientSampleId :

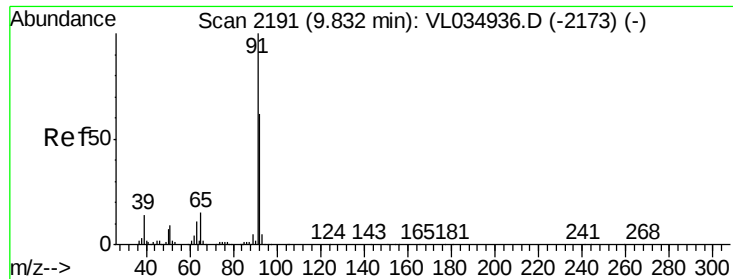
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	57.8	86.8#
62	15.5	54.2	81.2#



#44
 2,2,4-Trimethylpentane
 Concen: 0.044 ppbv
 RT: 7.88 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: VL034960.D
 Acq: 7 May 2020 8:05

Tgt Ion	Ratio	Lower	Upper
57	100		
41	58.2	26.4	39.6#
56	54.7	25.5	38.3#





#53

Toluene

Concen: 0.071 ppbv

RT: 9.84 min Scan# 2193

Delta R.T. 0.01 min

Lab File: VL034960.D

Acq: 7 May 2020 8:05

Instrument :

MSVOA_L

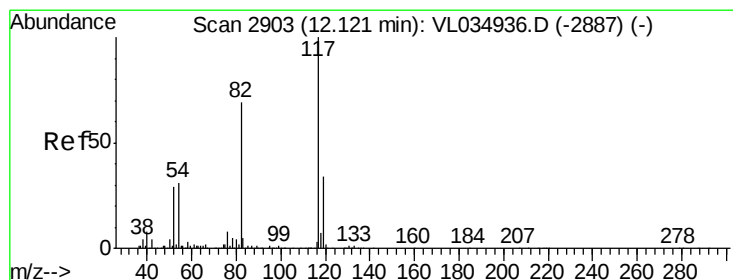
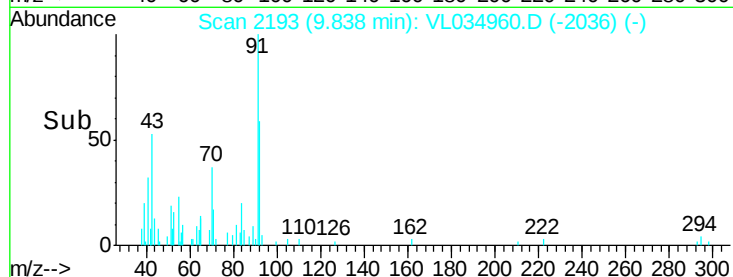
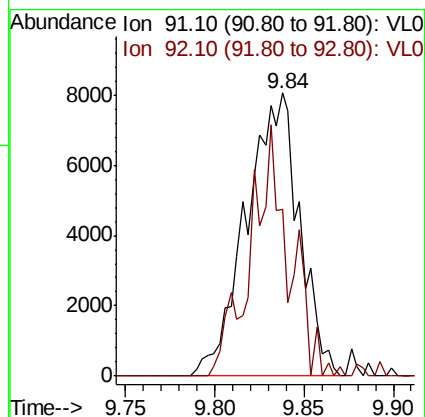
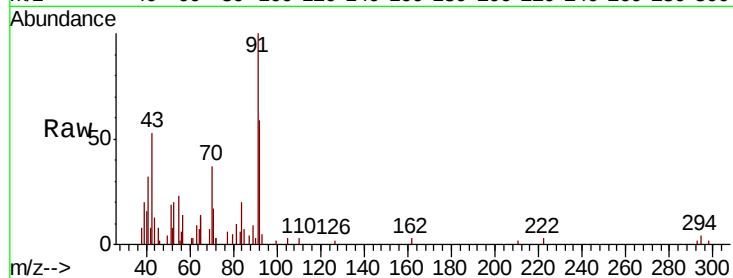
ClientSampleId :

Tot Ion: 91 Resp: 16748

Ion Ratio Lower Upper

91 100

92 64.4 48.6 73.0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.12 min Scan# 2903

Delta R.T. -0.00 min

Lab File: VL034960.D

Acq: 7 May 2020 8:05

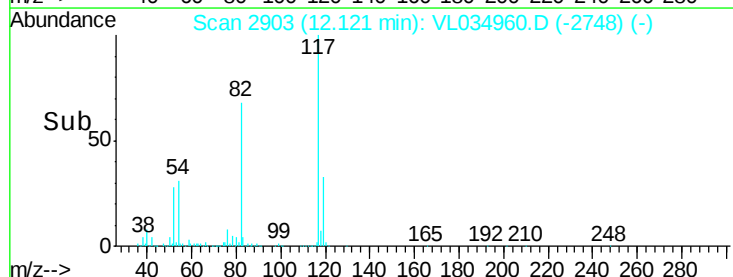
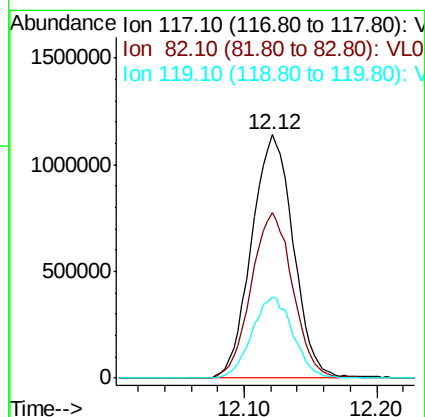
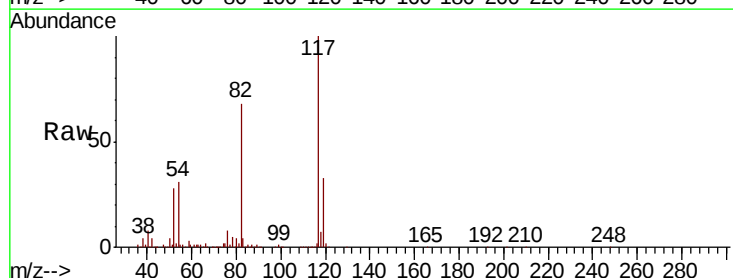
Tgt Ion: 117 Resp: 2488666

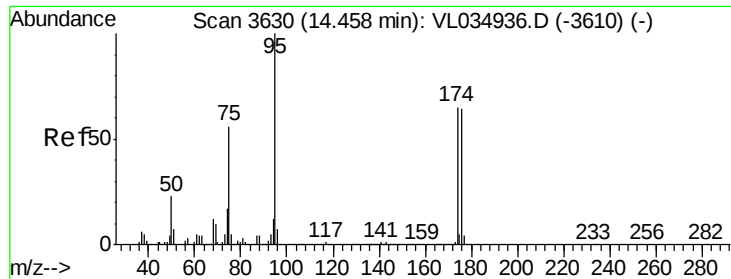
Ion Ratio Lower Upper

117 100

82 68.5 53.1 79.7

119 33.3 26.7 40.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.198 ppbv

RT: 14.46 min Scan# 3630

Delta R.T. -0.00 min

Lab File: VL034960.D

Acq: 7 May 2020 8:05

Instrument :

MSVOA_L

ClientSampleId :

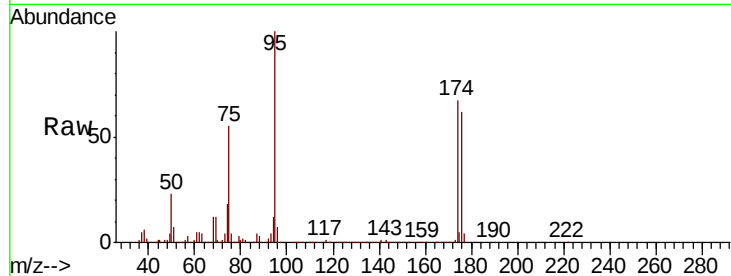
Tot Ion: 95 Resp: 2054336

Ion Ratio Lower Upper

95 100

174 66.9 51.5 77.3

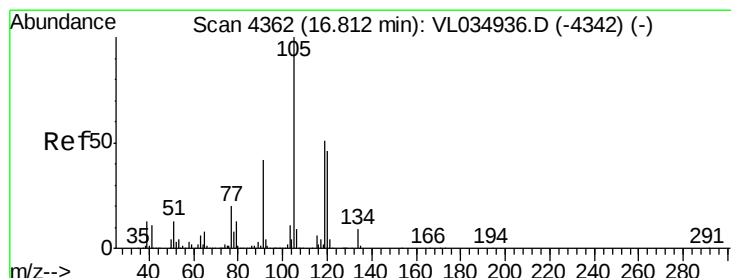
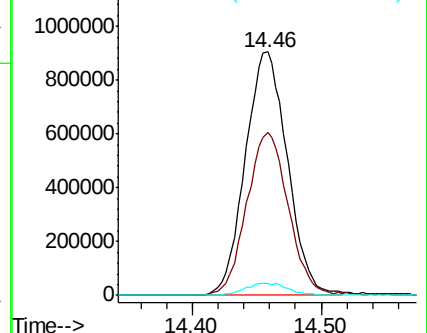
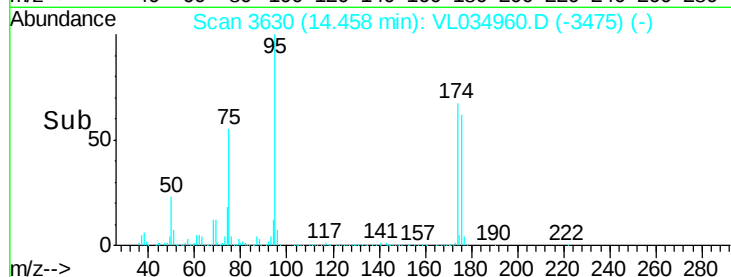
175 5.2 3.8 5.8



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



#74

1,2,4-Trimethylbenzene

Concen: 0.024 ppbv

RT: 16.81 min Scan# 4361

Delta R.T. -0.00 min

Lab File: VL034960.D

Acq: 7 May 2020 8:05

Tgt Ion: 105 Resp: 7750

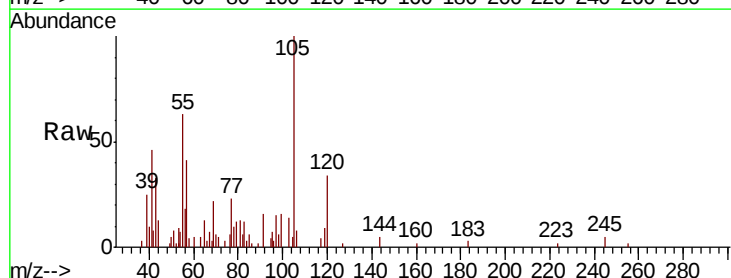
Ion Ratio Lower Upper

105 100

120 19.6 36.8 55.2#

91 14.2 35.4 53.0#

77 0.0 16.2 24.2#



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

