

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082020\
 Data File : VL035484.D
 Acq On : 20 Aug 2020 21:05
 Operator : SY/AP
 Sample : OC081820 CAN 10328
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC081820 CAN 10328

Quant Time: Aug 21 06:02:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Aug 17 19:28:30 2020
 QLast Update : Mon Aug 17 19:28:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1016247	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	4614004	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	4554908	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3228692	10.13	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

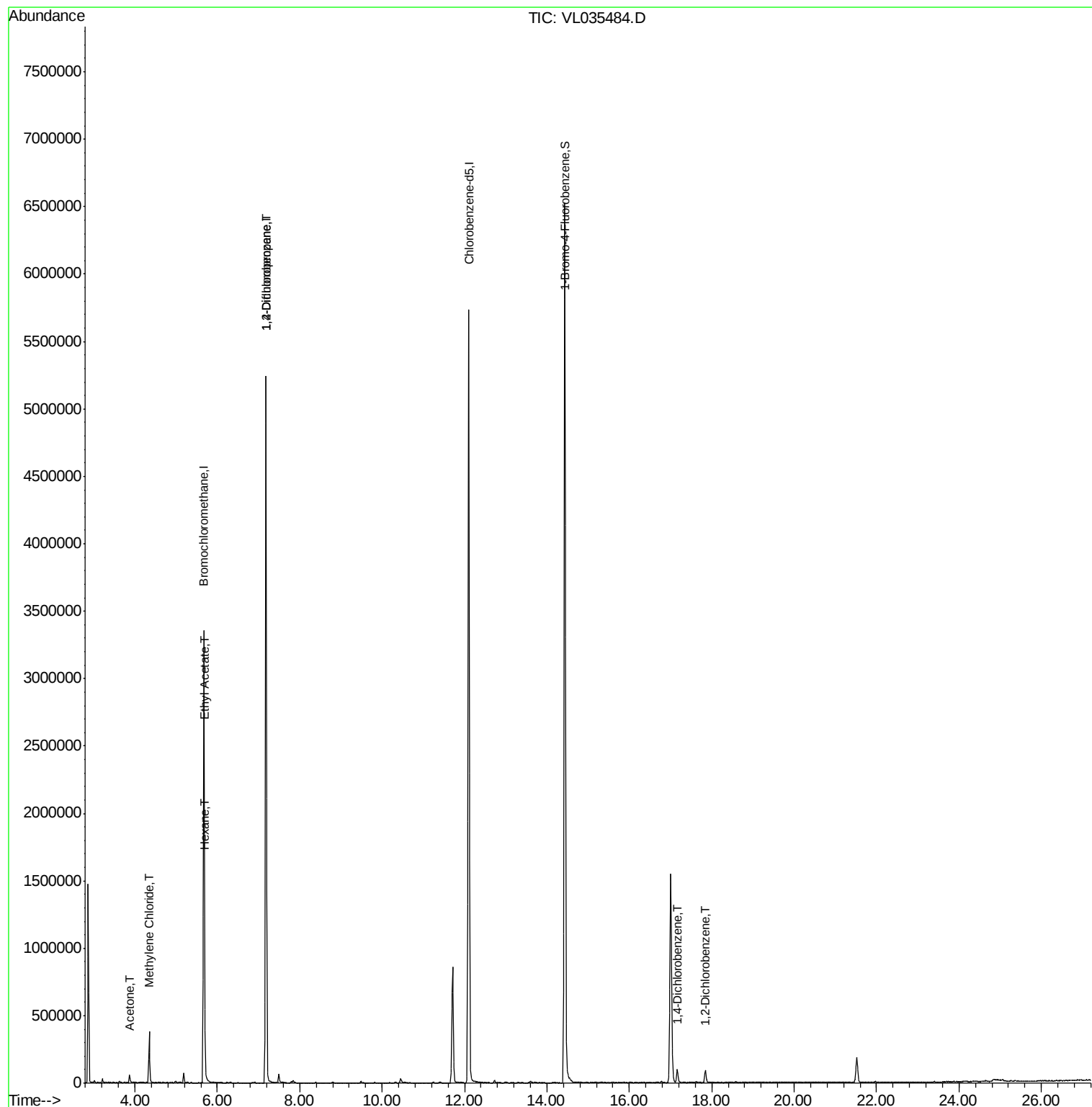
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.87	43	47854	0.409	ppbv #	31
20) Methylene Chloride	4.35	84	168009	1.780	ppbv #	63
25) Ethyl Acetate	5.69	43	35248	0.155	ppbv #	77
26) Hexane	5.70	57	64108	0.499	ppbv #	30
39) 1,2-Dichloropropane	7.18	63	801642	7.183	ppbv #	23
76) 1,4-Dichlorobenzene	17.16	146	28015	0.061	ppbv #	22
77) 1,2-Dichlorobenzene	17.85	146	67373	0.149	ppbv	93

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

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QLast Update : Mon Aug 17 19:28:30 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

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QC081820 CAN 10328

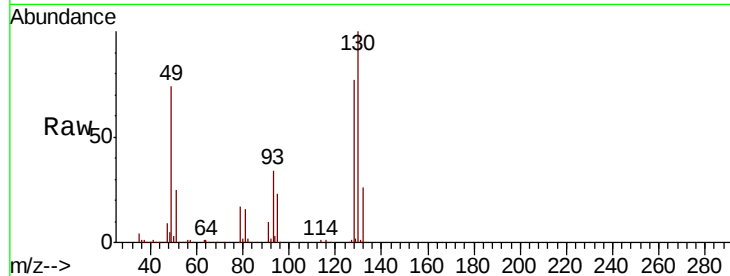
Tot Ion: 49 Resp: 1016247

Ion Ratio Lower Upper

49 100

128 103.1 20.9 62.7#

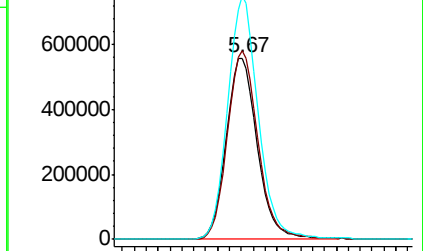
130 132.4 26.7 80.1#



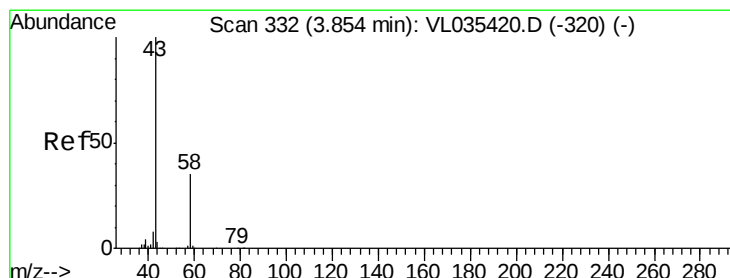
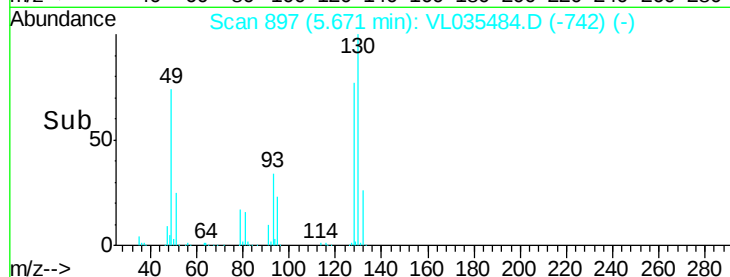
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



Time-->



#15

Acetone

Concen: 0.409 ppbv

RT: 3.87 min Scan# 337

Delta R.T. 0.02 min

Lab File: VL035484.D

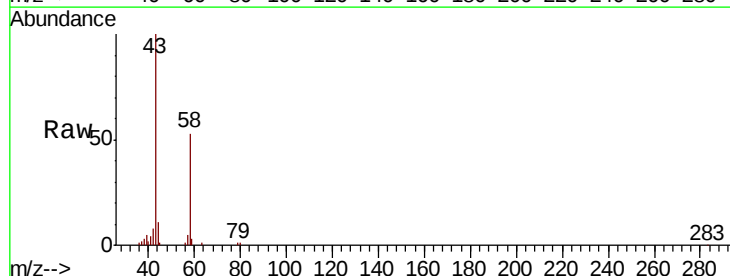
Acq: 20 Aug 2020 21:05

Tgt Ion: 43 Resp: 47854

Ion Ratio Lower Upper

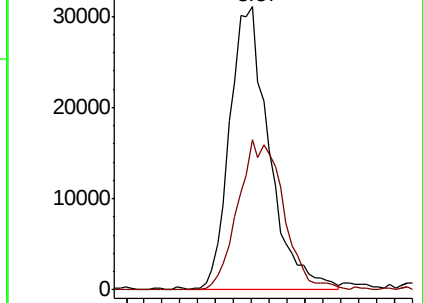
43 100

58 61.6 21.0 31.6#

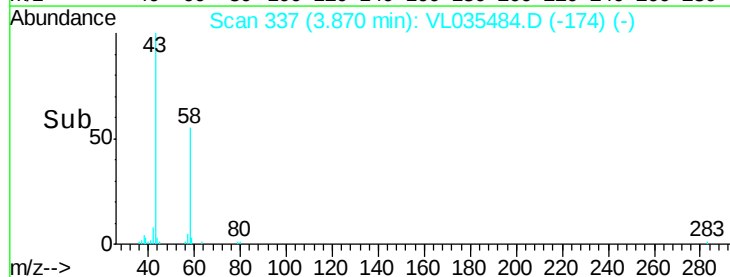


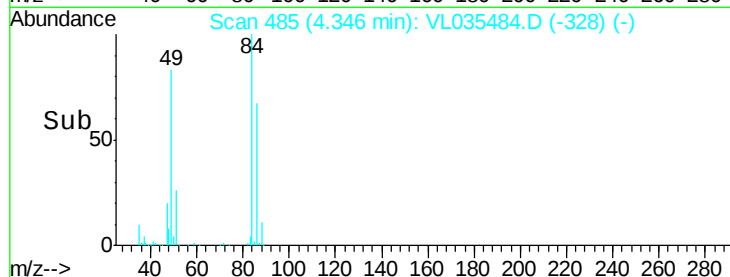
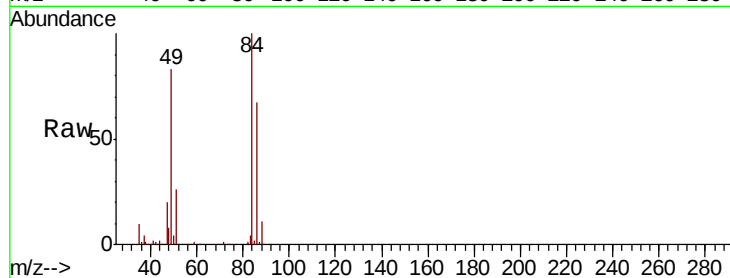
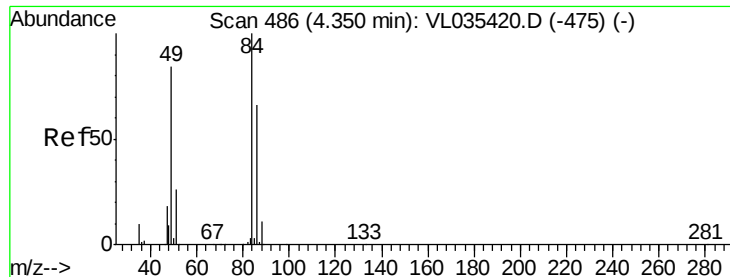
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



Time-->

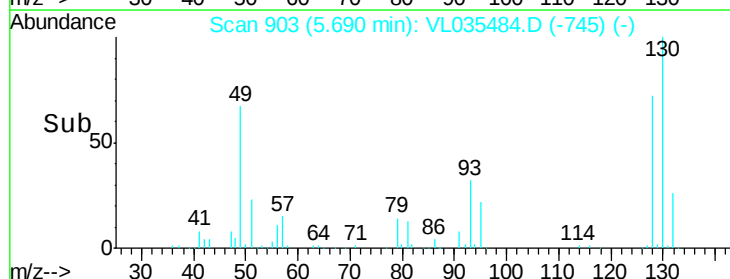
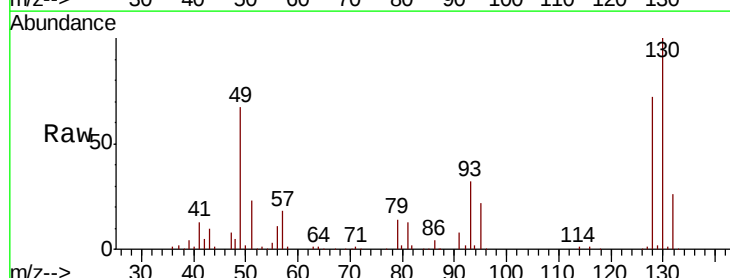
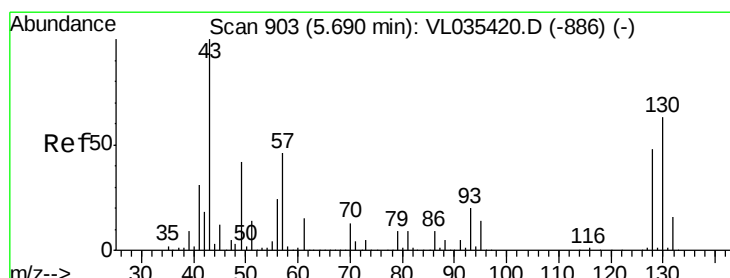
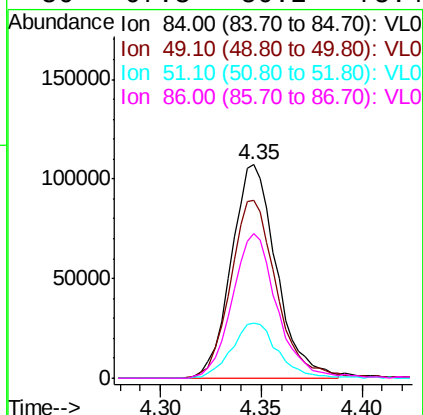




#20
Methvlene Chloride
Concen: 1.780 ppbv
RT: 4.35 min Scan# 485
Delta R.T. 0.00 min
Lab File: VL035484.D
Acq: 20 Aug 2020 21:05

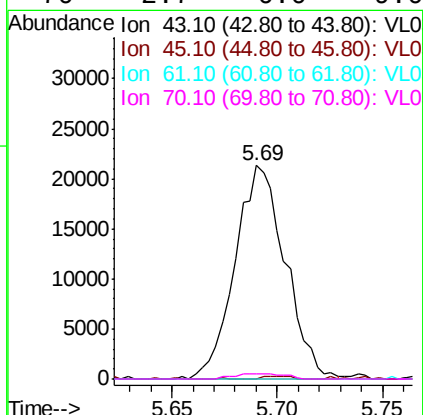
Instrument :
MSVOA_L
ClientSampleId :
QC081820 CAN 10328

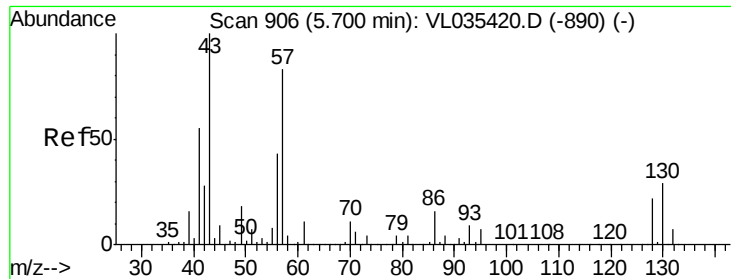
Tot Ion:	84	Resp:	168009
Ion	Ratio	Lower	Upper
84	100		
49	83.0	118.6	177.8#
51	25.8	36.4	54.6#
86	67.3	50.2	75.4



#25
Ethyl Acetate
Concen: 0.155 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.01 min
Lab File: VL035484.D
Acq: 20 Aug 2020 21:05

Tgt Ion:	43	Resp:	35248
Ion	Ratio	Lower	Upper
43	100		
45	0.7	8.3	12.5#
61	0.0	7.6	11.4#
70	2.7	6.0	9.0#

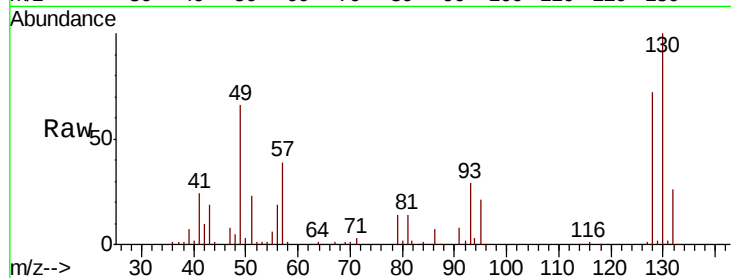




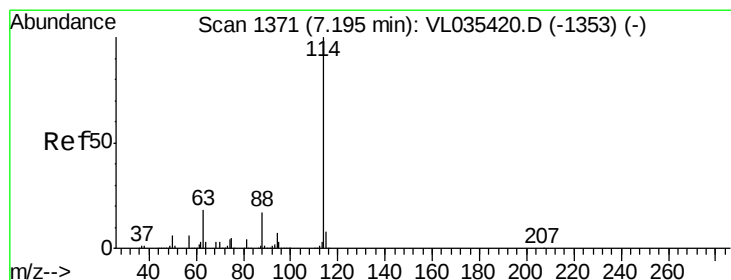
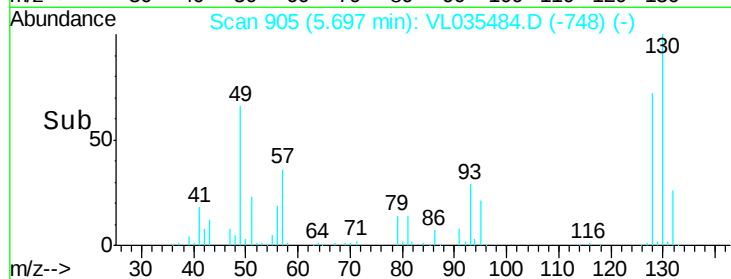
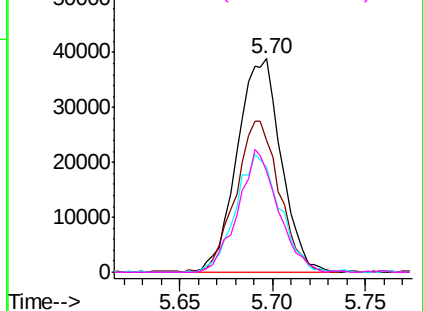
#26
Hexane
Concen: 0.499 ppbv
RT: 5.70 min Scan# 905
Delta R.T. 0.00 min
Lab File: VL035484.D
Acq: 20 Aug 2020 21:05

Instrument :
MSVOA_L
ClientSampleId :
QC081820 CAN 10328

Tot Ion: 57 Resp: 64108
Ion Ratio Lower Upper
57 100
41 71.1 75.5 113.3#
43 55.6 181.7 272.5#
56 52.1 42.4 63.6

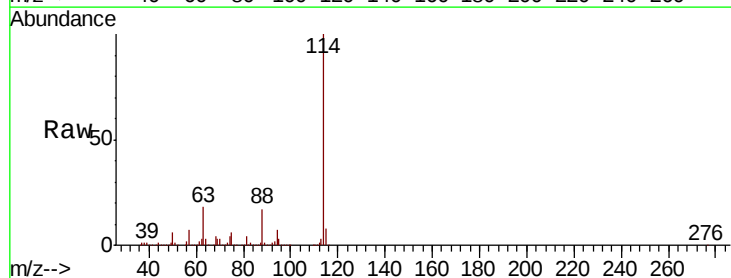


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

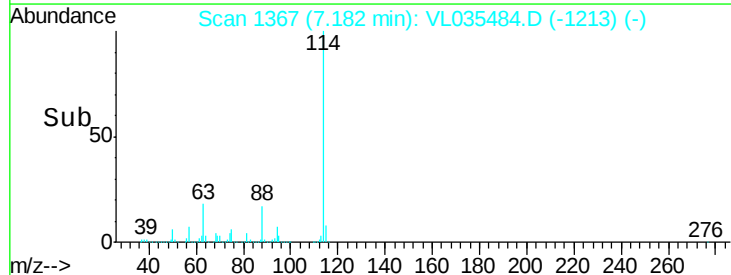
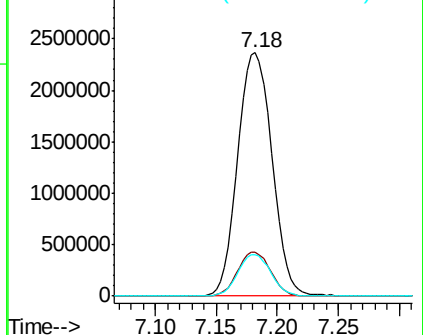


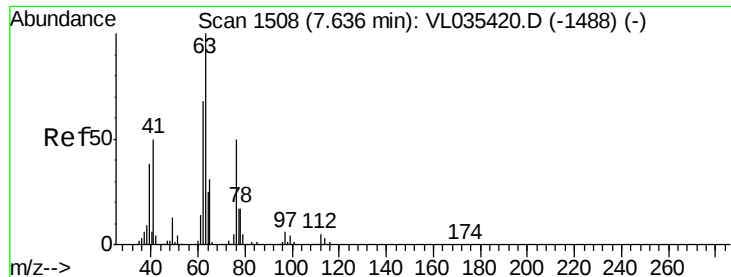
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. -0.01 min
Lab File: VL035484.D
Acq: 20 Aug 2020 21:05

Tgt Ion: 114 Resp: 4614004
Ion Ratio Lower Upper
114 100
63 17.5 23.1 34.7#
88 16.4 15.9 23.9



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





#39

1,2-Dichloropropane

Concen: 7.183 ppbv

RT: 7.18 min Scan# 1367

Delta R.T. -0.44 min

Lab File: VL035484.D

Acq: 20 Aug 2020 21:05

Instrument :

MSVOA_L

ClientSampleId :

QC081820 CAN 10328

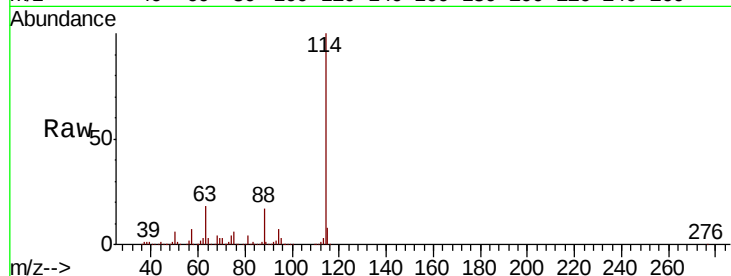
Tot Ion: 63 Resp: 801642

Ion Ratio Lower Upper

63 100

41 0.1 61.1 91.7#

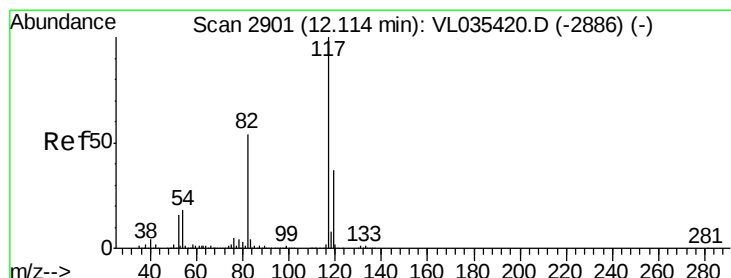
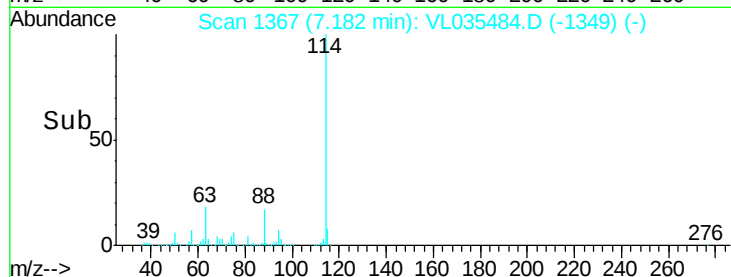
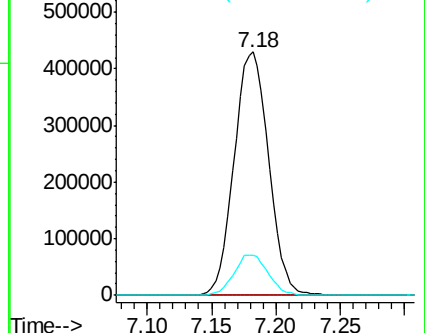
62 16.5 55.3 82.9#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.10 min Scan# 2897

Delta R.T. -0.01 min

Lab File: VL035484.D

Acq: 20 Aug 2020 21:05

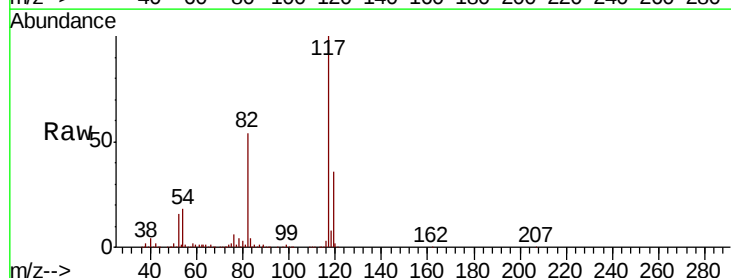
Tgt Ion: 117 Resp: 4554908

Ion Ratio Lower Upper

117 100

82 53.3 57.4 86.0#

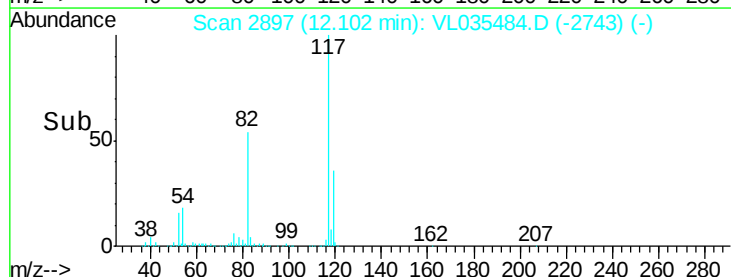
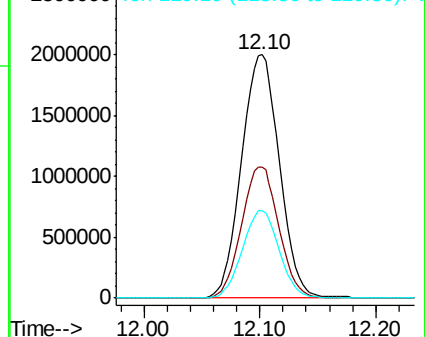
119 35.0 28.4 42.6

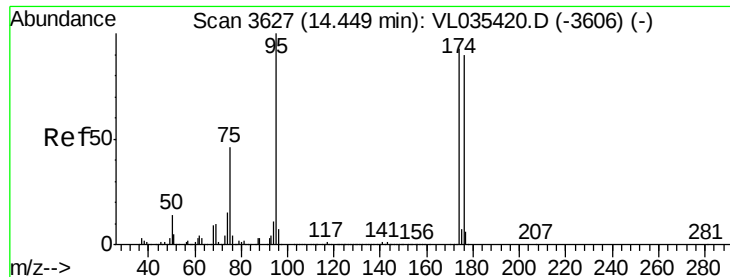


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.125 ppbv

RT: 14.43 min Scan# 3622

Delta R.T. -0.01 min

Lab File: VL035484.D

Acq: 20 Aug 2020 21:05

Instrument :

MSVOA_L

ClientSampleId :

QC081820 CAN 10328

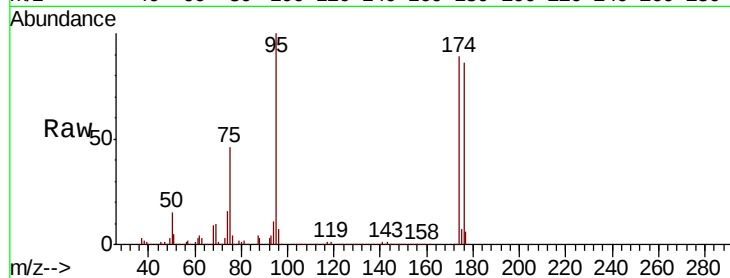
Tot Ion: 95 Resp: 3228692

Ion Ratio Lower Upper

95 100

174 91.4 44.0 66.0#

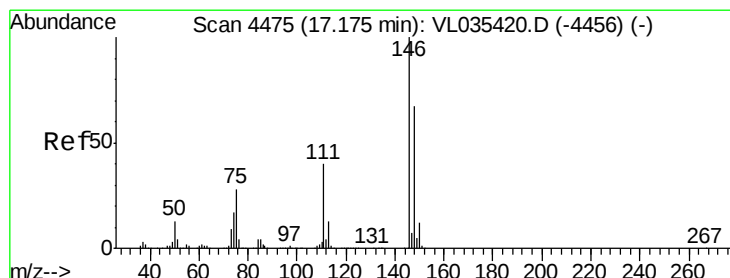
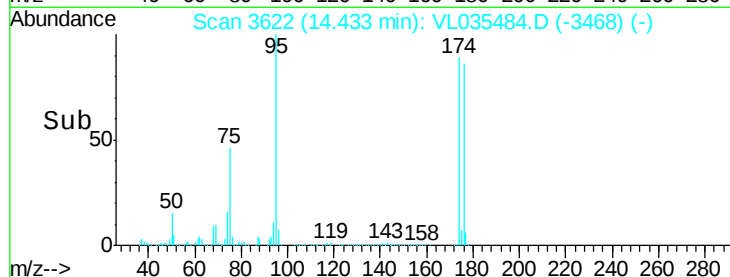
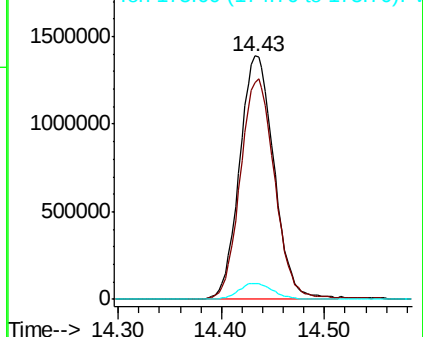
175 6.7 3.2 4.8#



Abundance Ion 95.10 (94.80 to 95.80): VL035420.D (-3606) (-)

Ion 174.00 (173.70 to 174.70): VL035420.D (-3606) (-)

Ion 175.00 (174.70 to 175.70): VL035420.D (-3606) (-)



#76

1,4-Dichlorobenzene

Concen: 0.061 ppbv

RT: 17.16 min Scan# 4469

Delta R.T. -0.01 min

Lab File: VL035484.D

Acq: 20 Aug 2020 21:05

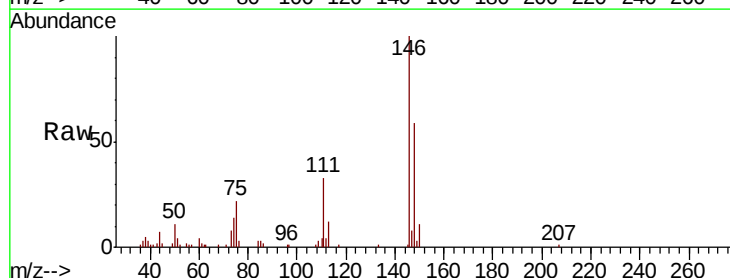
Tgt Ion: 146 Resp: 28015

Ion Ratio Lower Upper

146 100

111 0.0 24.8 74.4#

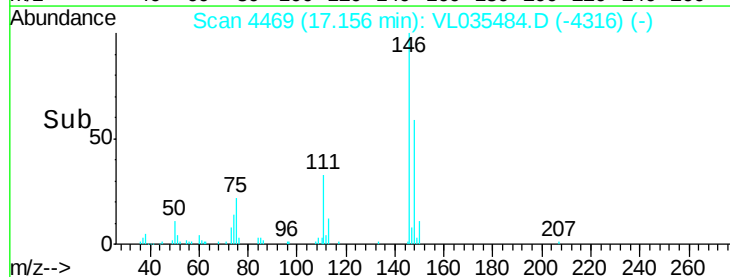
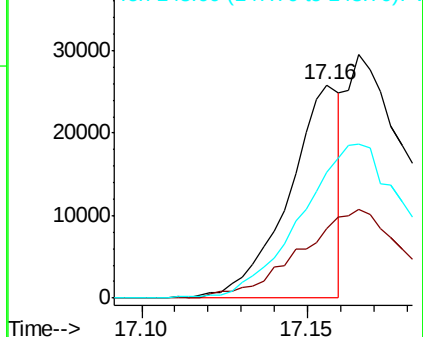
148 0.0 32.1 96.3#

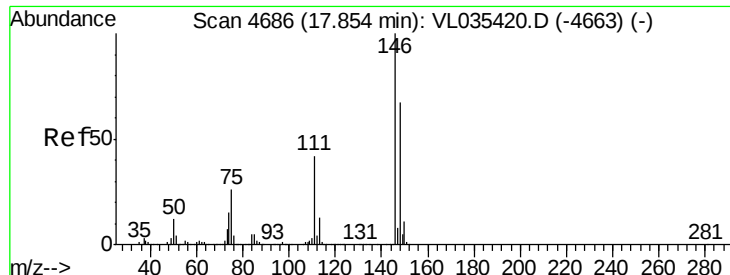


Abundance Ion 146.00 (145.70 to 146.70): VL035420.D (-4456) (-)

Ion 111.10 (110.80 to 111.80): VL035420.D (-4456) (-)

Ion 148.00 (147.70 to 148.70): VL035420.D (-4456) (-)





#77

1,2-Dichlorobenzene

Concen: 0.149 ppbv

RT: 17.85 min Scan# 4685

Delta R.T. 0.00 min

Lab File: VL035484.D

Acq: 20 Aug 2020 21:05

Instrument :

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QC081820 CAN 10328

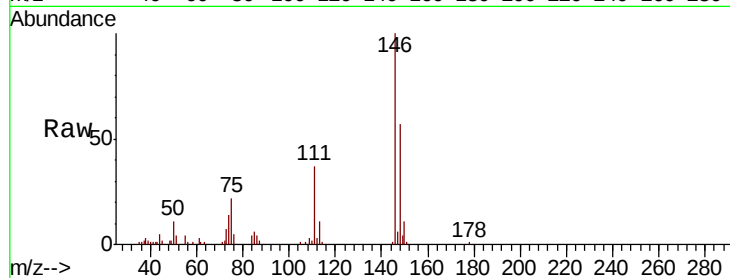
Tot Ion:146 Resp: 67373

Ion Ratio Lower Upper

146 100

111 41.4 26.3 78.9

148 63.6 32.0 96.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.10 (110.80 to 111.80): V

Ion 148.00 (147.70 to 148.70): V

