

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
 Data File : VL033671.D
 Acq On : 6 May 2019 23:07
 Operator : SY/AP
 Sample : OC042619 CAN 10404
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 04:11:23 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050619AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon May 06 15:19:01 2019
 QLast Update : Mon May 06 15:19:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	806962	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1899575	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1888882	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1642701	10.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.10%

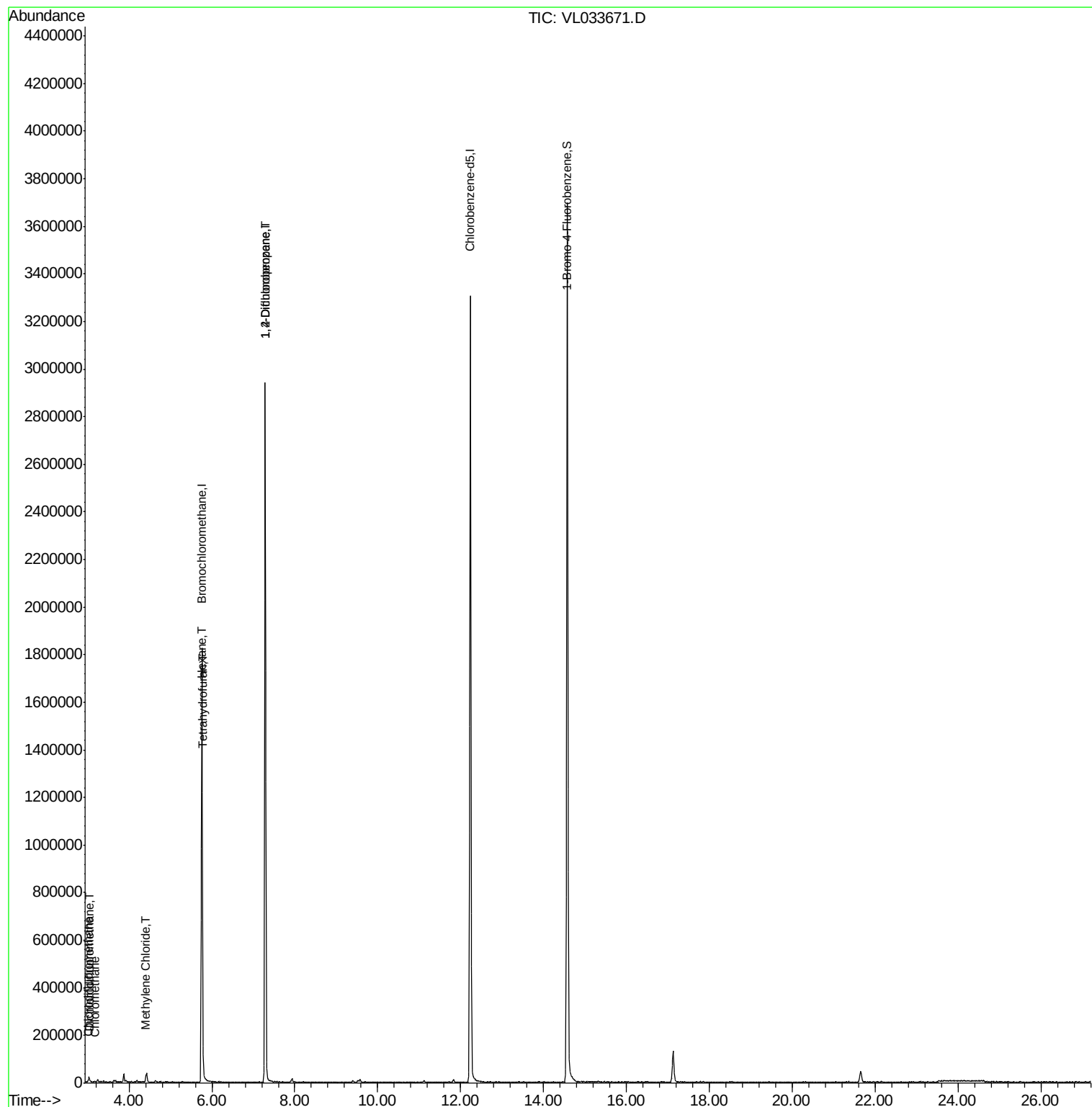
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	2807	0.015	ppbv	94
3) Chlorodifluoromethane	3.01	51	2389	0.021	ppbv	92
4) Chloromethane	3.17	50	634	0.010	ppbv #	83
20) Methylene Chloride	4.40	84	3680	0.081	ppbv #	78
26) Hexane	5.77	57	9418	0.112	ppbv #	33
39) 1,2-Dichloropropane	7.28	63	505417	7.961	ppbv #	23
41) Tetrahydrofuran	5.78	42	4368	0.069	ppbv #	43

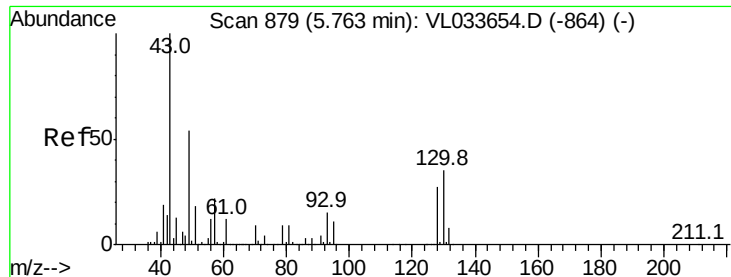
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 877

Delta R.T. -0.01 min

Lab File: VL033671.D

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Instrument :

MSVOA_L

ClientSampleId :

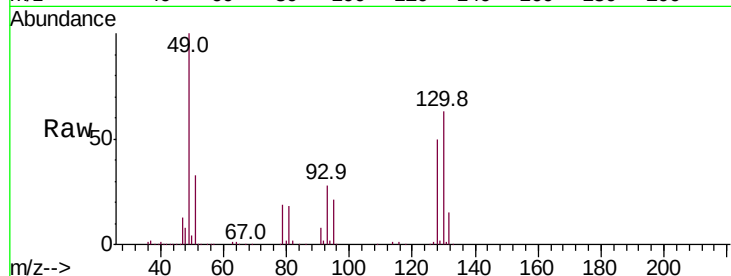
Tot Ion: 49 Resp: 806962

Ion Ratio Lower Upper

49 100

128 49.1 24.8 74.3

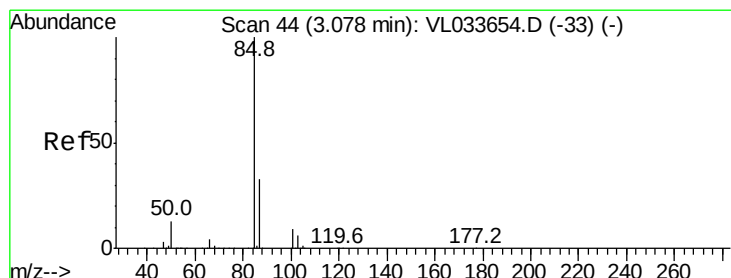
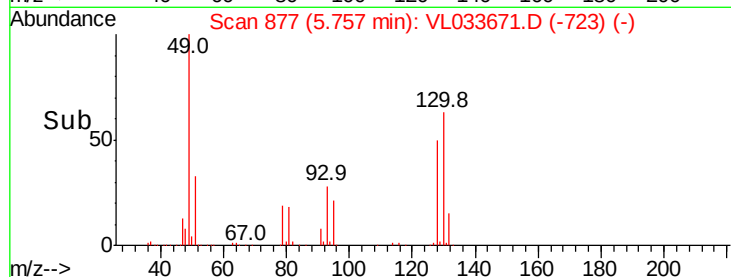
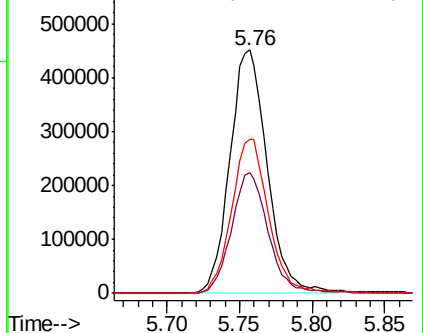
130 63.3 32.1 96.5



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



#2

Dichlorodifluoromethane

Concen: 0.015 ppbv

RT: 3.03 min Scan# 30

Delta R.T. -0.04 min

Lab File: VL033671.D

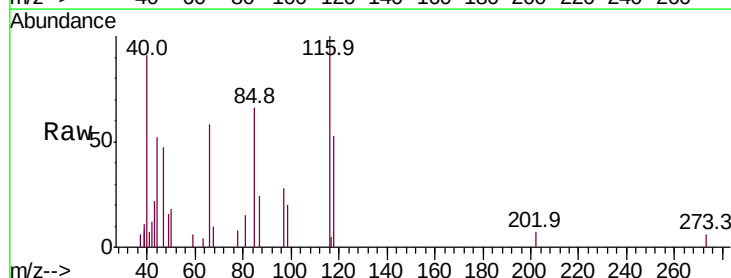
Acq: 6 May 2019 23:07

Tgt Ion: 85 Resp: 2807

Ion Ratio Lower Upper

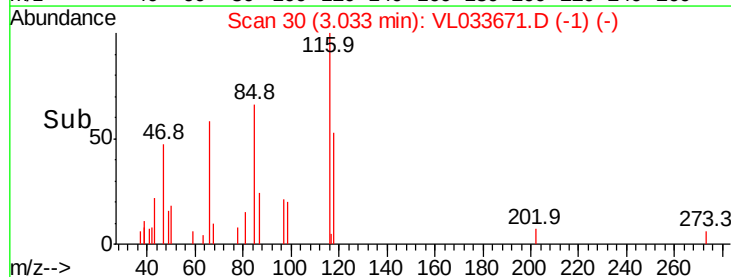
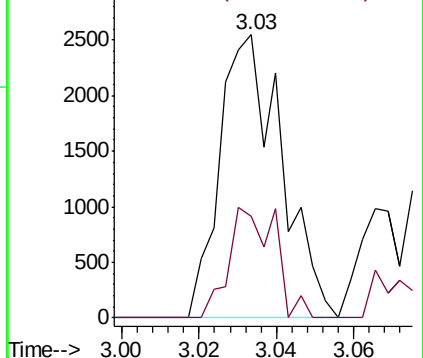
85 100

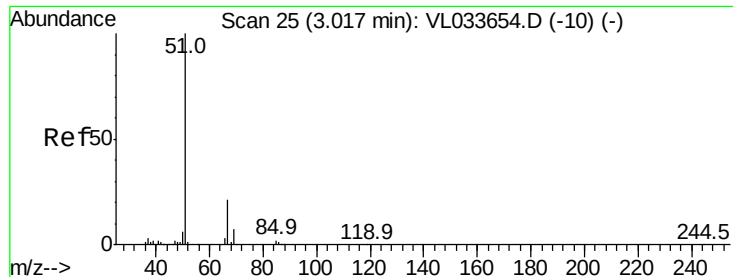
87 36.0 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

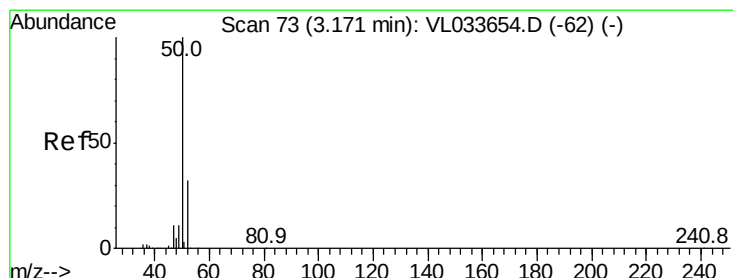
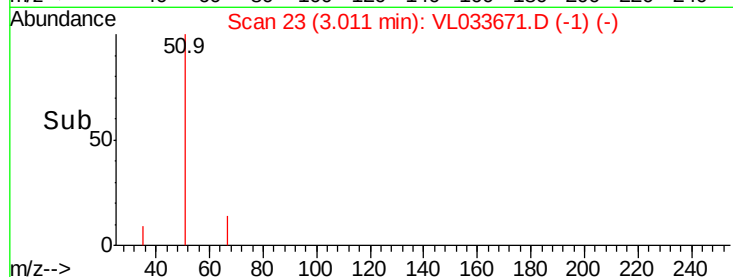
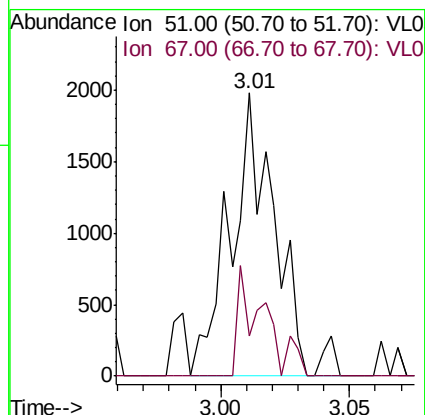
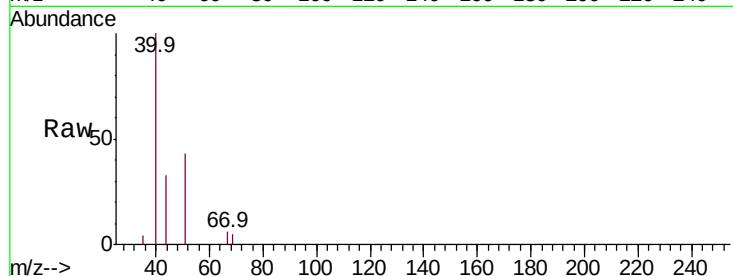




#3
 Chlorodifluoromethane
 Concen: 0.021 ppbv
 RT: 3.01 min Scan# 23
 Delta R.T. -0.01 min
 Lab File: VL033671.D
 Acq: 6 May 2019 23:07

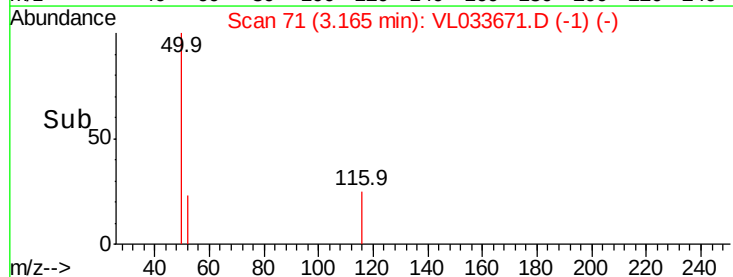
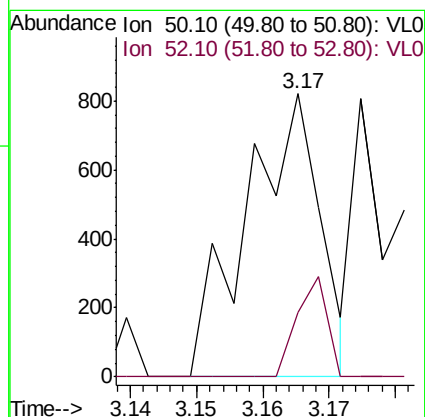
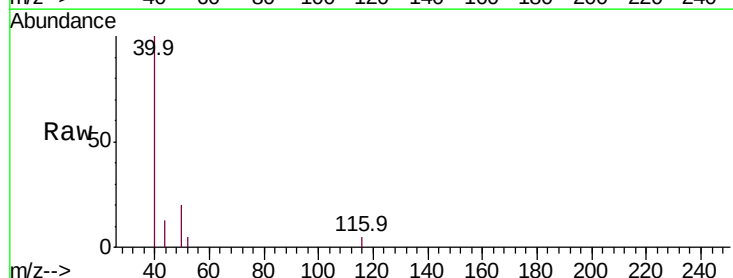
Instrument :
 MSVOA_L
 ClientSampleId :

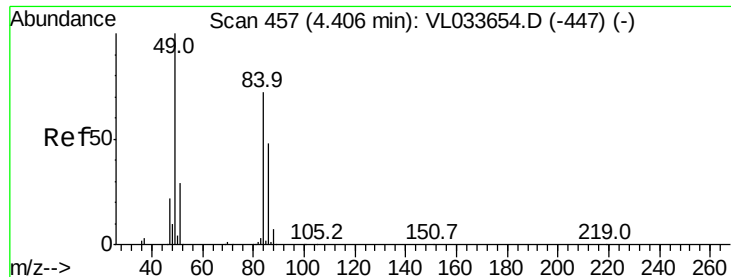
Tot Ion: 51 Resp: 2389
 Ion Ratio Lower Upper
 51 100
 67 23.1 15.7 23.5



#4
 Chloromethane
 Concen: 0.010 ppbv
 RT: 3.17 min Scan# 71
 Delta R.T. -0.01 min
 Lab File: VL033671.D
 Acq: 6 May 2019 23:07

Tgt Ion: 50 Resp: 634
 Ion Ratio Lower Upper
 50 100
 52 22.8 25.8 38.8#

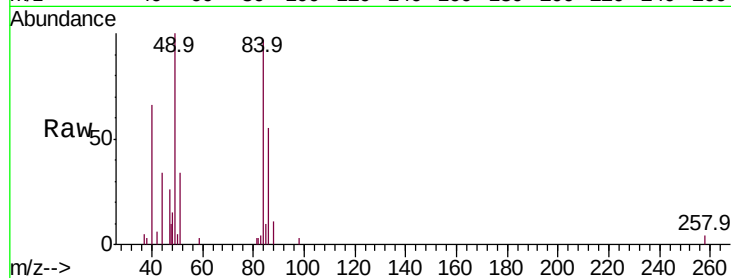




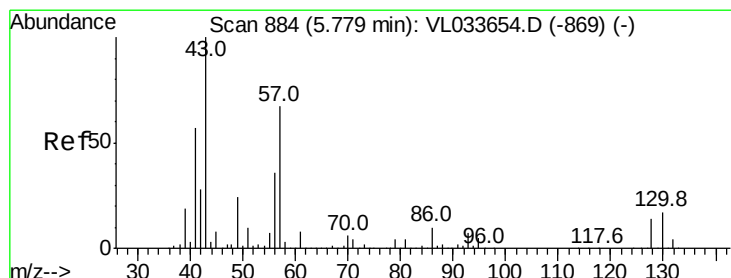
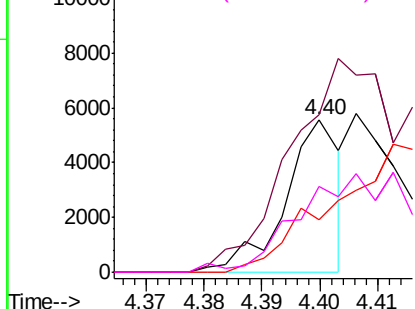
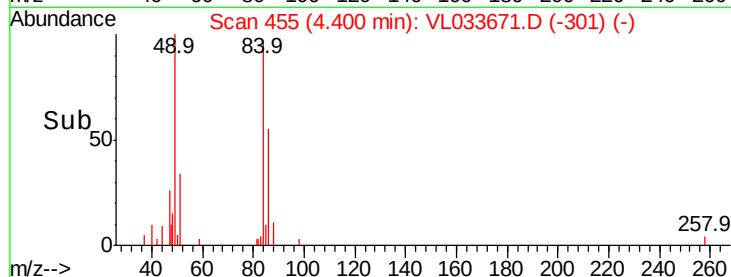
#20
Methylene Chloride
Concen: 0.081 ppbv
RT: 4.40 min Scan# 455
Delta R.T. -0.01 min
Lab File: VL033671.D
Acq: 6 May 2019 23:07

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	84	Resp:	3680
Ion	Ratio	Lower	Upper
84	100		
49	102.9	111.8	167.6#
51	34.7	32.3	48.5
86	56.4	53.9	80.9

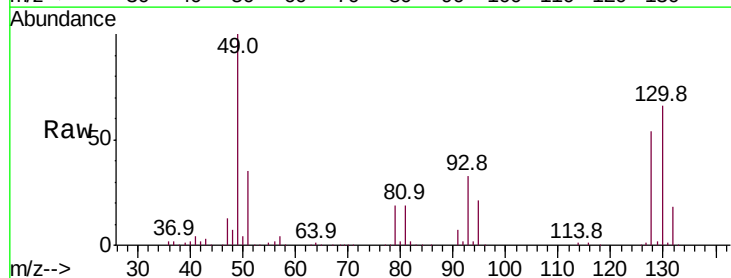


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

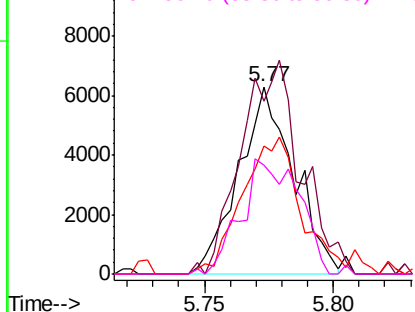
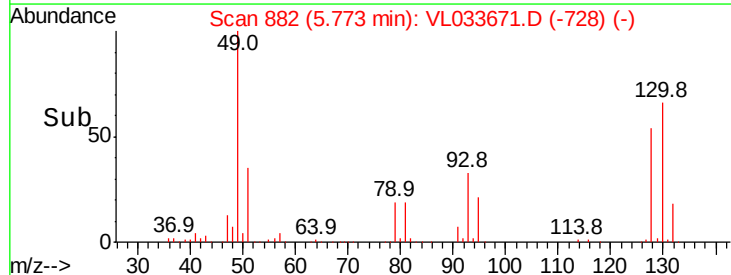


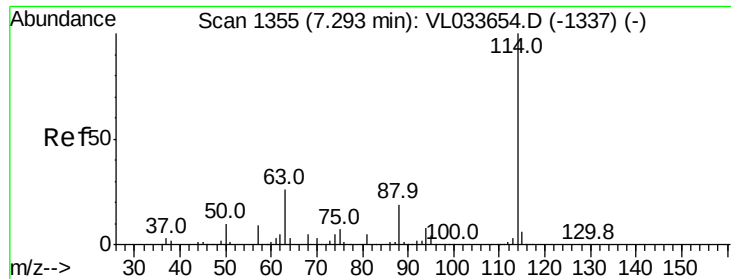
#26
Hexane
Concen: 0.112 ppbv
RT: 5.77 min Scan# 882
Delta R.T. -0.01 min
Lab File: VL033671.D
Acq: 6 May 2019 23:07

Tgt Ion:	57	Resp:	9418
Ion	Ratio	Lower	Upper
57	100		
41	124.5	69.7	104.5#
43	81.5	181.9	272.9#
56	65.2	42.5	63.7#



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

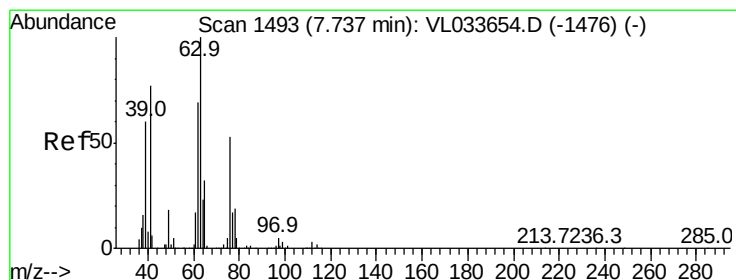
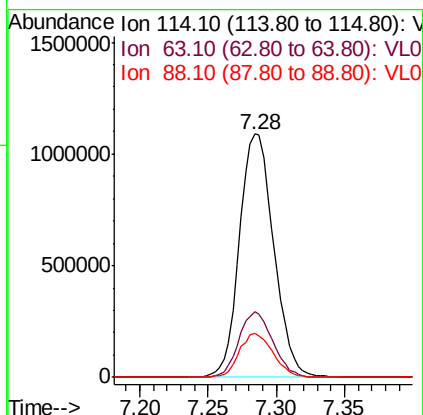
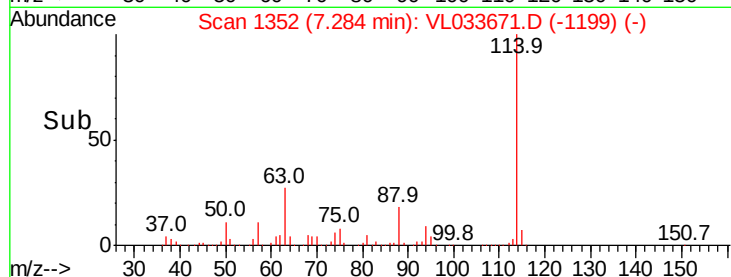
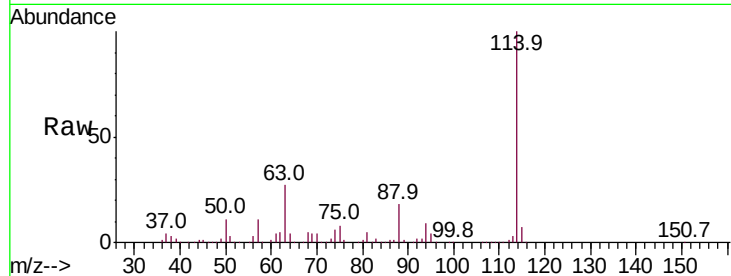




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033671.D
 Acq: 6 May 2019 23:07

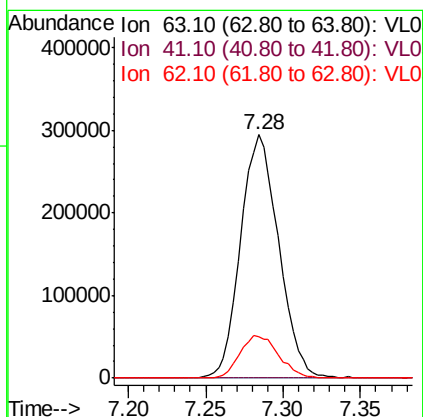
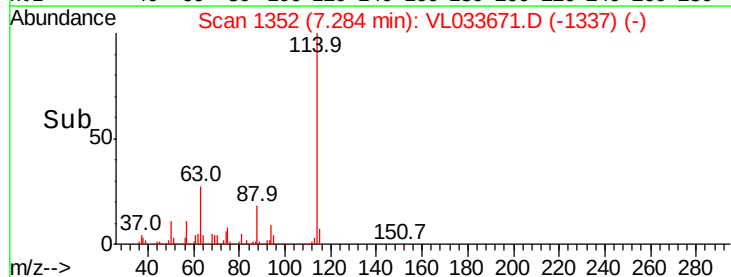
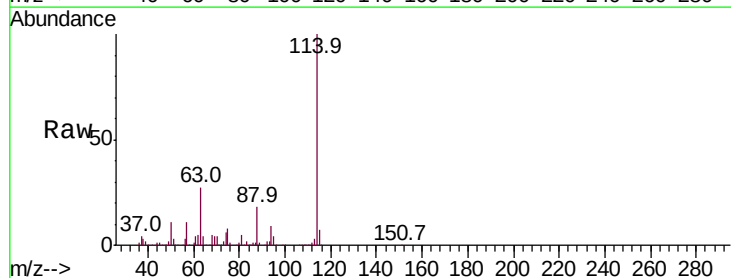
Instrument :
 MSVOA_L
 ClientSampled :

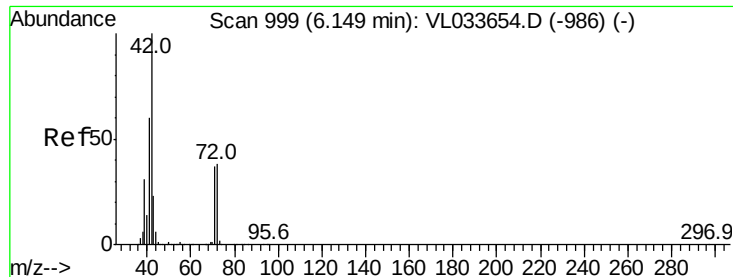
Tot Ion:114 Resp: 1899575
 Ion Ratio Lower Upper
 114 100
 63 26.8 21.3 31.9
 88 17.9 14.4 21.6



#39
 1,2-Dichloropropane
 Concen: 7.961 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.45 min
 Lab File: VL033671.D
 Acq: 6 May 2019 23:07

Tgt Ion: 63 Resp: 505417
 Ion Ratio Lower Upper
 63 100
 41 0.1 61.6 92.4#
 62 16.8 55.0 82.6#





#41

Tetrahydrofuran

Concen: 0.069 ppbv

RT: 5.78 min Scan# 883

Delta R.T. -0.37 min

Lab File: VL033671.D

Acq: 6 May 2019 23:07

Instrument :

MSVOA_L

ClientSampleId :

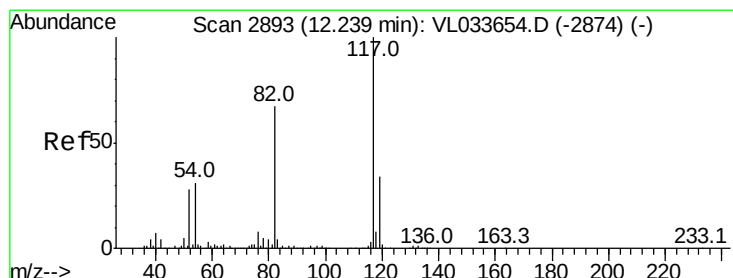
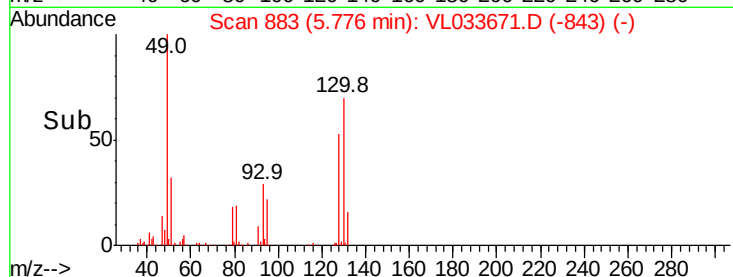
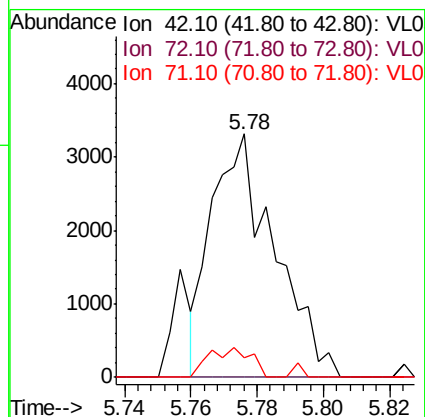
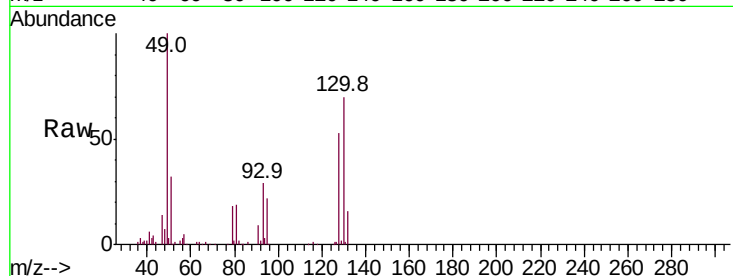
Tot Ion: 42 Resp: 4368

Ion Ratio Lower Upper

42 100

72 0.0 31.6 47.4#

71 9.0 30.6 46.0#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2892

Delta R.T. -0.00 min

Lab File: VL033671.D

Acq: 6 May 2019 23:07

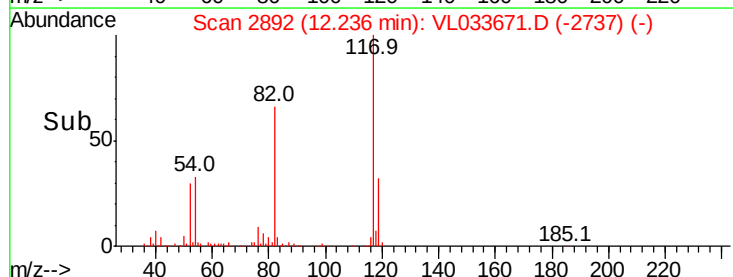
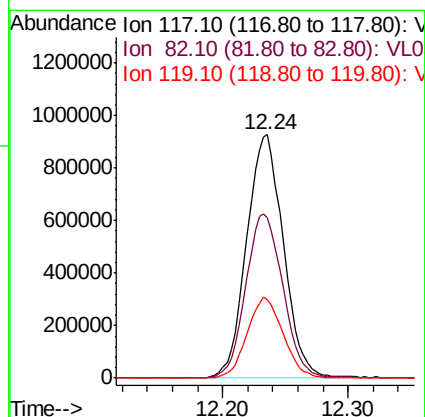
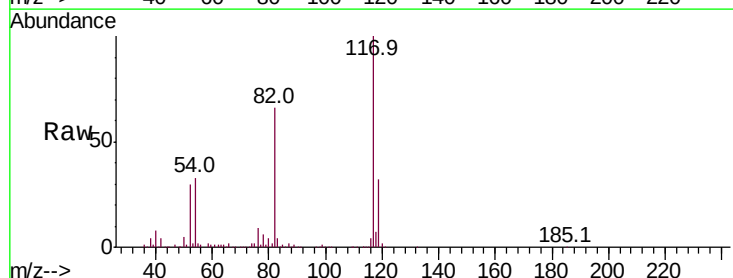
Tgt Ion: 117 Resp: 1888882

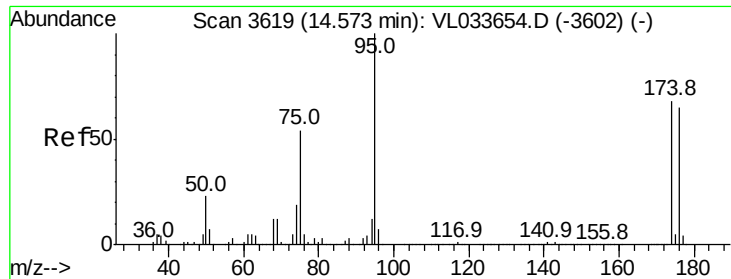
Ion Ratio Lower Upper

117 100

82 69.2 49.7 74.5

119 32.7 24.8 37.2





#68

1-Bromo-4-Fluorobenzene

Concen: 10.609 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.00 min

Lab File: VL033671.D

Acq: 6 May 2019 23:07

Instrument :

MSVOA_L

ClientSampleId :

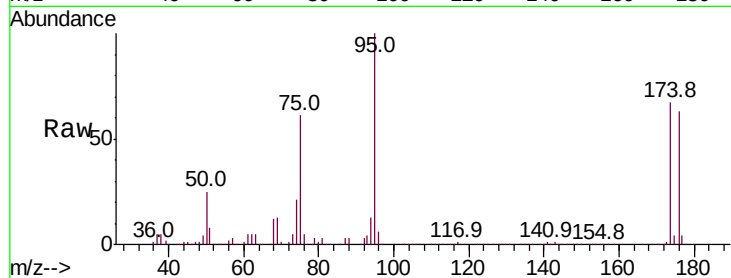
Tot Ion: 95 Resp: 1642701

Ion Ratio Lower Upper

95 100

174 66.6 54.0 81.0

175 4.7 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

