

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL050619\
 Data File : VL033673.D
 Acq On : 7 May 2019 00:28
 Operator : SY/AP
 Sample : OC042919 CAN 10288
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 07 04:11:43 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	5.75	49	861107	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2017018	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1969308	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1715607	10.63	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.30%

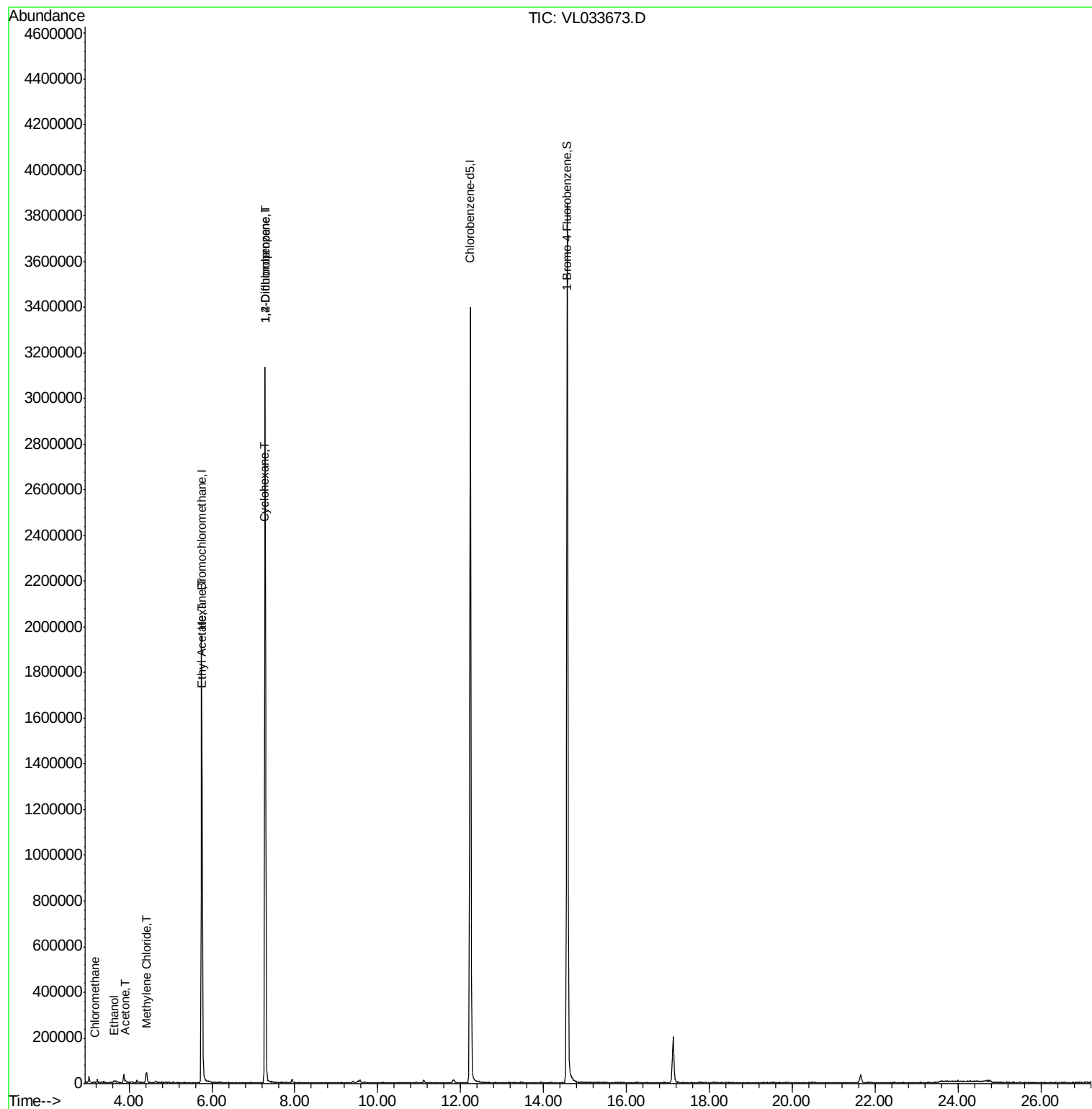
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.17	50	765	0.012	ppbv #	42
13) Ethanol	3.64	45	273	0.019	ppbv #	38
15) Acetone	3.91	43	9832	0.077	ppbv #	84
20) Methylene Chloride	4.41	84	9678	0.199	ppbv #	79
25) Ethyl Acetate	5.77	43	10301	0.049	ppbv #	77
26) Hexane	5.77	57	6780	0.076	ppbv #	1
30) Cyclohexane	7.26	84	1264	0.017	ppbv #	15
39) 1,2-Dichloropropane	7.28	63	540696	8.021	ppbv #	23

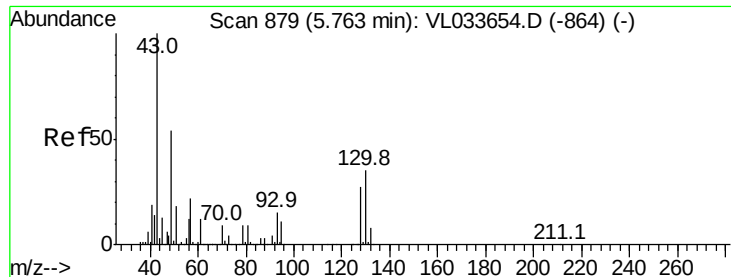
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033673.D

Acq: 7 May 2019 00:28

Instrument :
MSVOA_L
ClientSampleId :

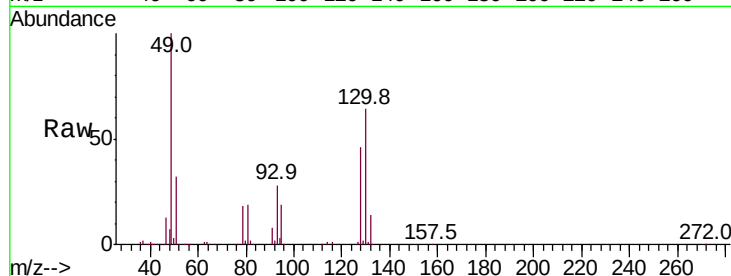
Tot Ion: 49 Resp: 861107

Ion Ratio Lower Upper

49 100

128 48.9 24.8 74.3

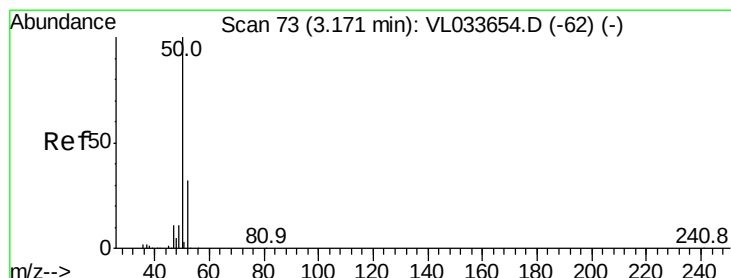
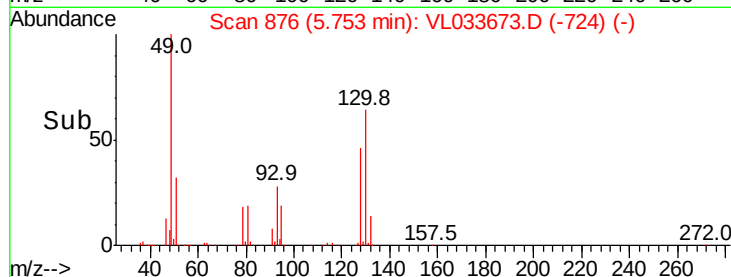
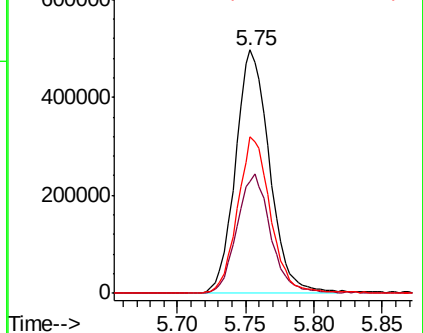
130 62.9 32.1 96.5



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



#4

Chloromethane

Concen: 0.012 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.00 min

Lab File: VL033673.D

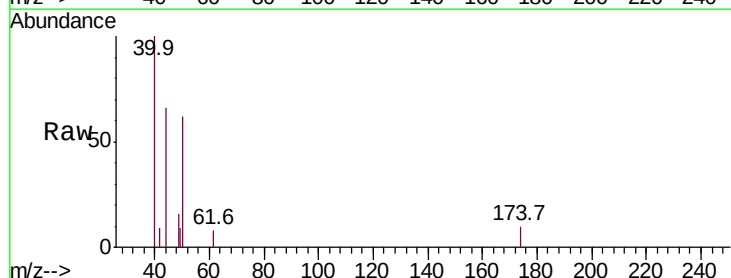
Acq: 7 May 2019 00:28

Tgt Ion: 50 Resp: 765

Ion Ratio Lower Upper

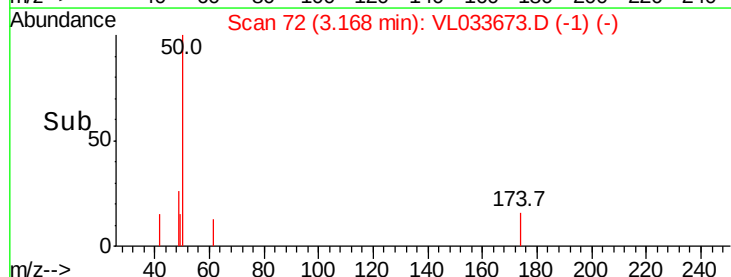
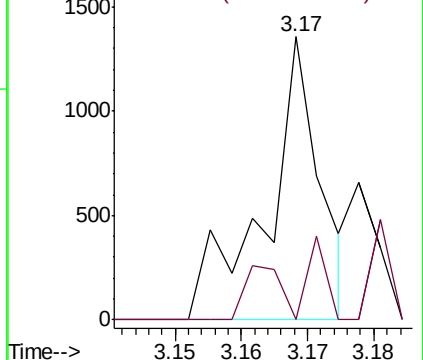
50 100

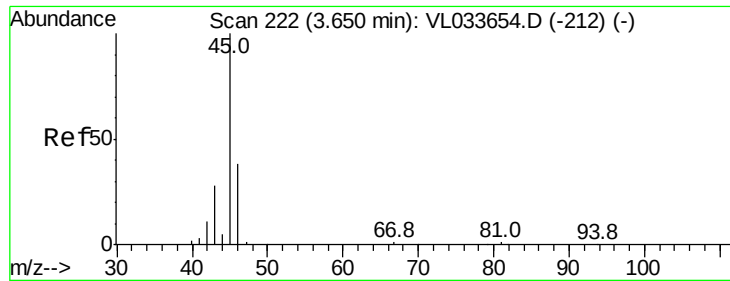
52 0.0 25.8 38.8#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0

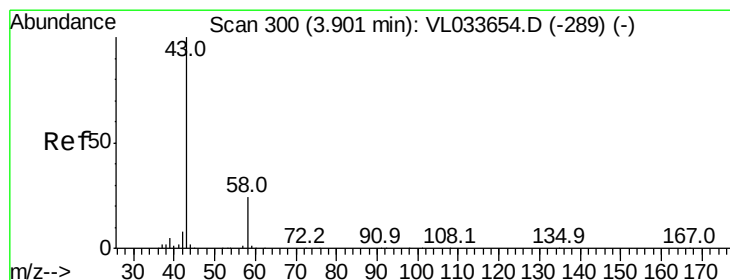
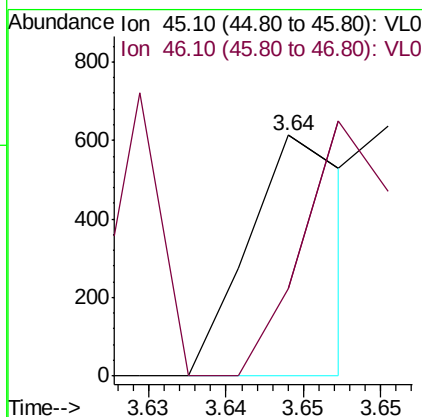
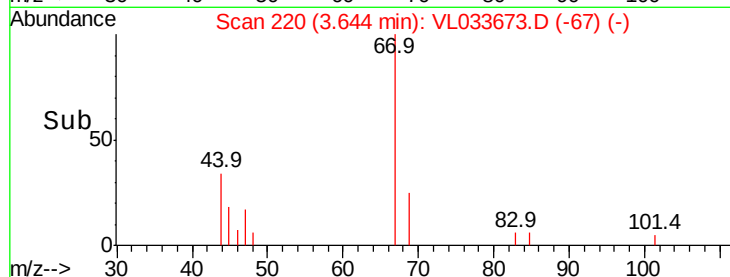
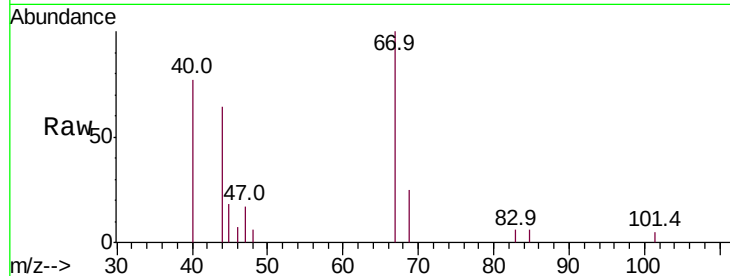




#13
Ethanol
Concen: 0.019 ppbv
RT: 3.64 min Scan# 220
Delta R.T. -0.01 min
Lab File: VL033673.D
Acq: 7 May 2019 00:28

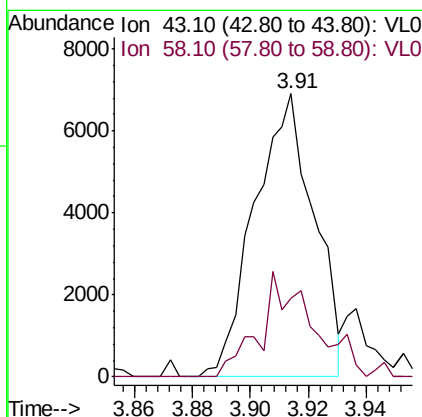
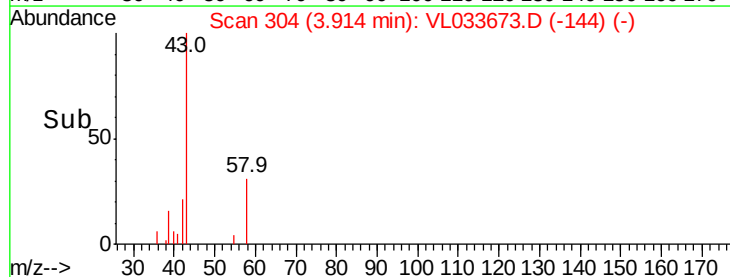
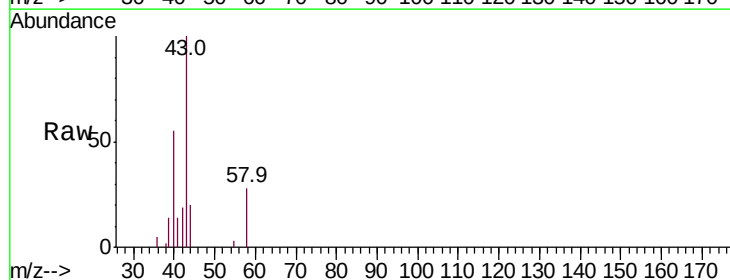
Instrument :
MSVOA_L
ClientSampleId :

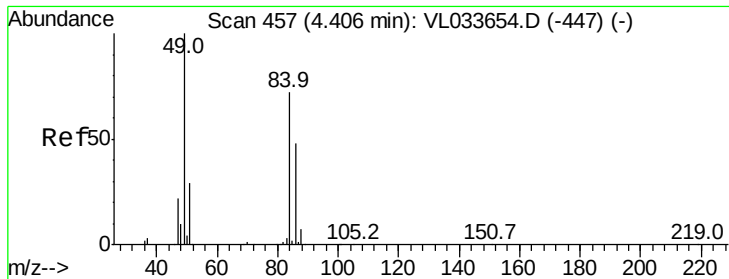
Tot Ion: 45 Resp: 273
Ion Ratio Lower Upper
45 100
46 0.0 14.9 59.7#



#15
Acetone
Concen: 0.077 ppbv
RT: 3.91 min Scan# 304
Delta R.T. 0.01 min
Lab File: VL033673.D
Acq: 7 May 2019 00:28

Tgt Ion: 43 Resp: 9832
Ion Ratio Lower Upper
43 100
58 34.1 20.9 31.3#





#20

Methylene Chloride

Concen: 0.199 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

Lab File: VL033673.D

Acq: 7 May 2019 00:28

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 84 Resp: 9678

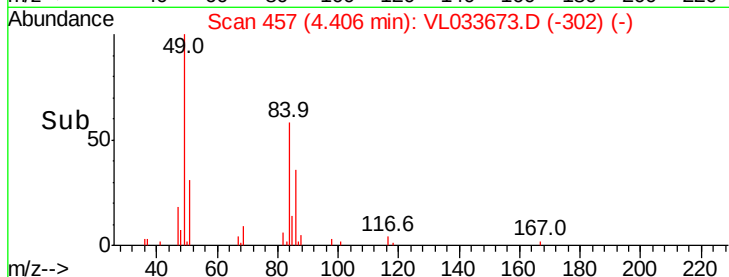
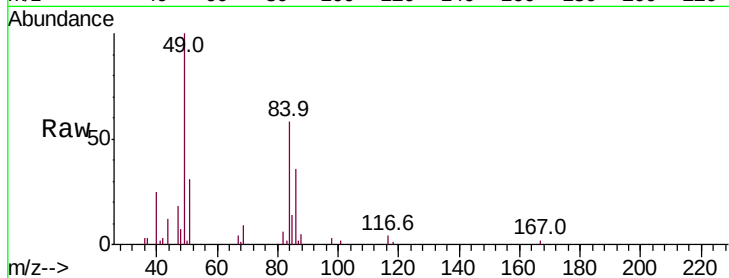
Ion Ratio Lower Upper

84 100

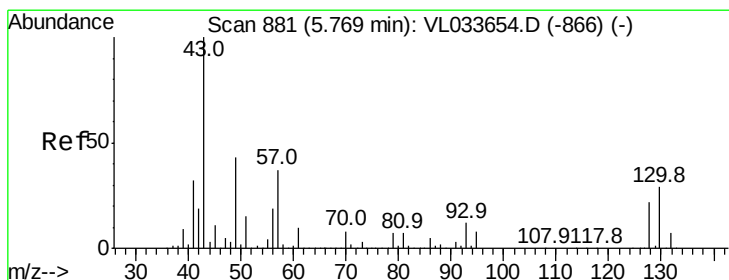
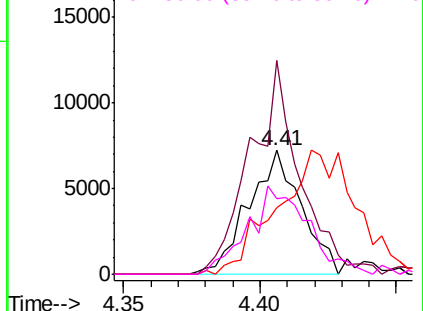
49 172.5 111.8 167.6#

51 54.2 32.3 48.5#

86 61.2 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



#25

Ethyl Acetate

Concen: 0.049 ppbv

RT: 5.77 min Scan# 882

Delta R.T. 0.00 min

Lab File: VL033673.D

Acq: 7 May 2019 00:28

Tgt Ion: 43 Resp: 10301

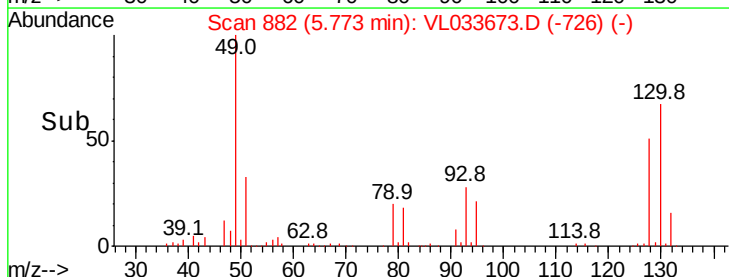
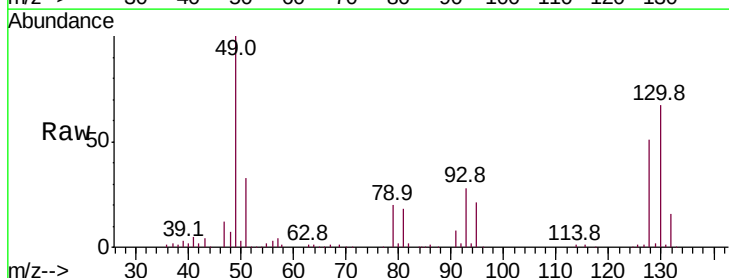
Ion Ratio Lower Upper

43 100

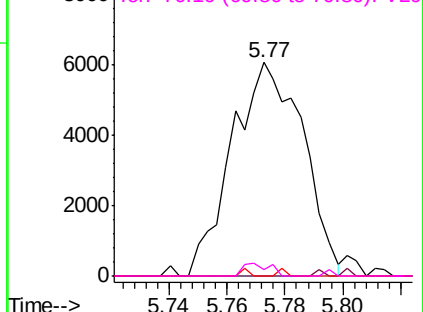
45 0.0 8.0 12.0#

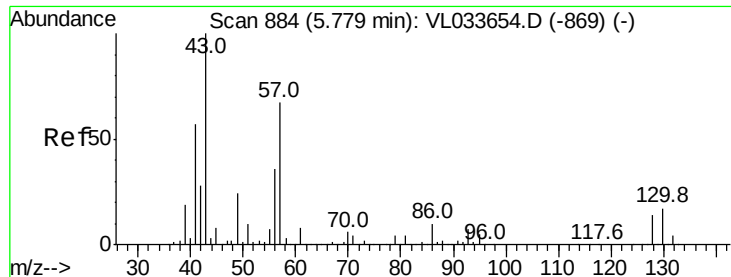
61 0.0 7.5 11.3#

70 2.2 5.8 8.8#



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

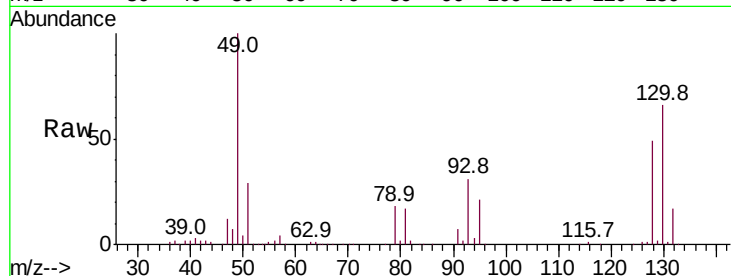




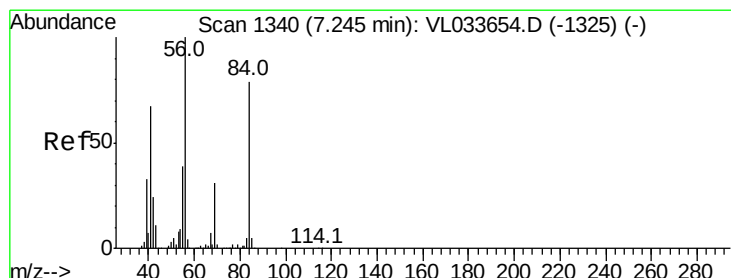
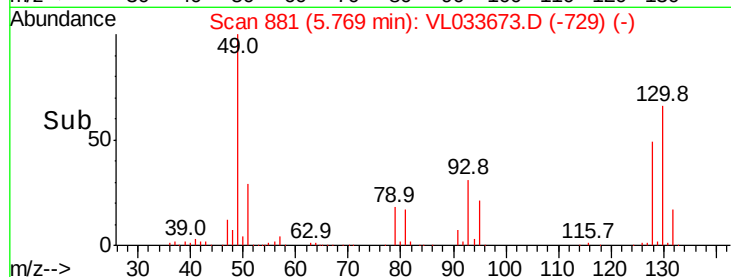
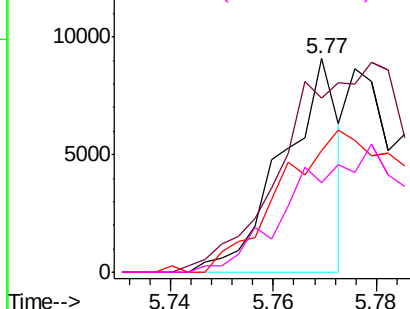
#26
Hexane
Concen: 0.076 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033673.D
Acq: 7 May 2019 00:28

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 6780
Ion Ratio Lower Upper
57 100
41 0.0 69.7 104.5#
43 0.0 181.9 272.9#
56 0.0 42.5 63.7#

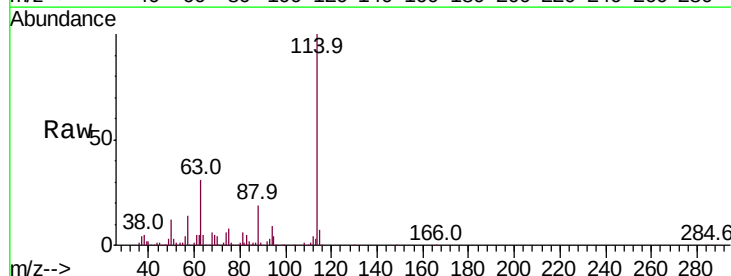


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

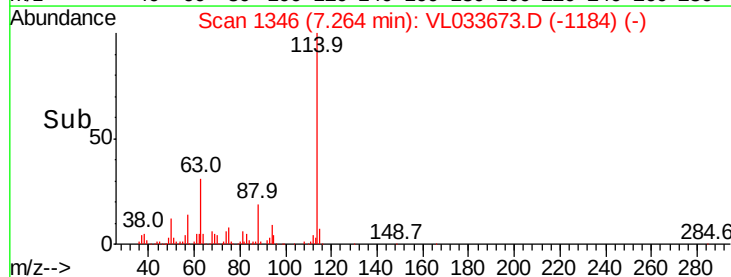
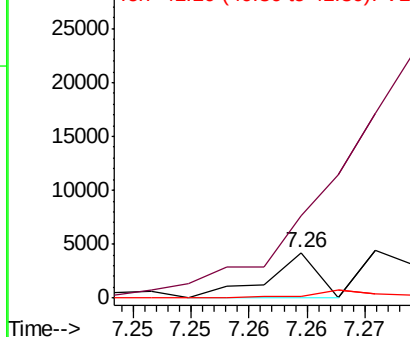


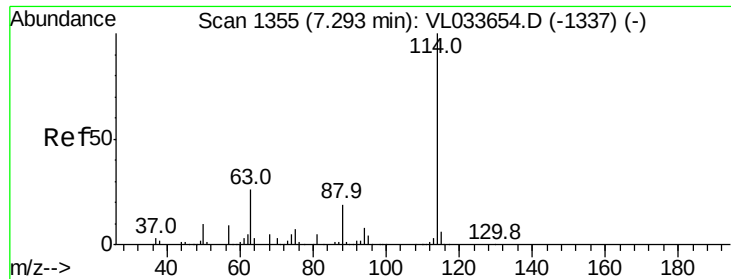
#30
Cyclohexane
Concen: 0.017 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. 0.02 min
Lab File: VL033673.D
Acq: 7 May 2019 00:28

Tgt Ion: 84 Resp: 1264
Ion Ratio Lower Upper
84 100
56 0.0 107.0 160.4#
41 45.9 66.6 99.8#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

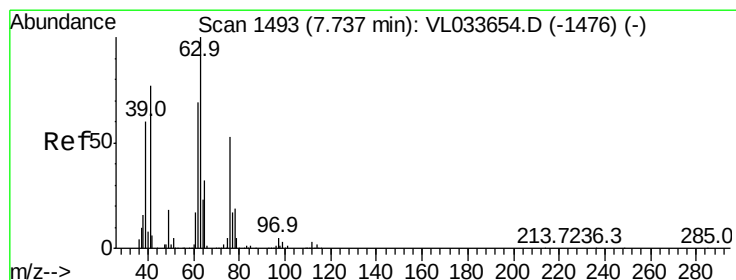
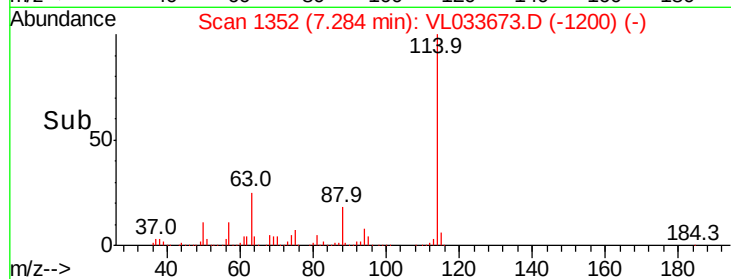
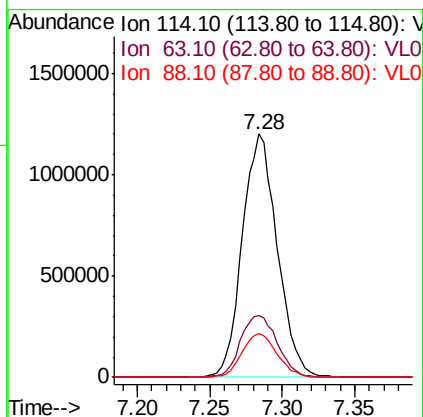
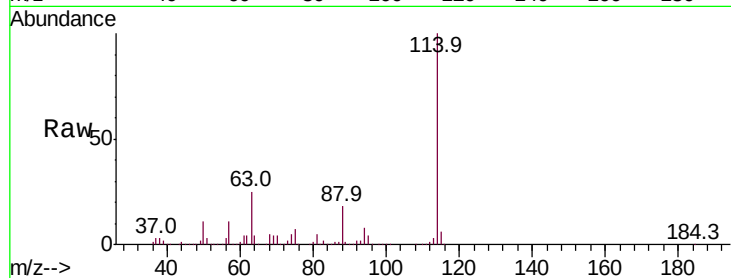




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033673.D
 Acq: 7 May 2019 00:28

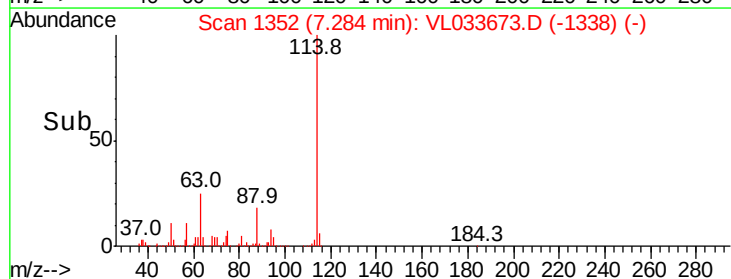
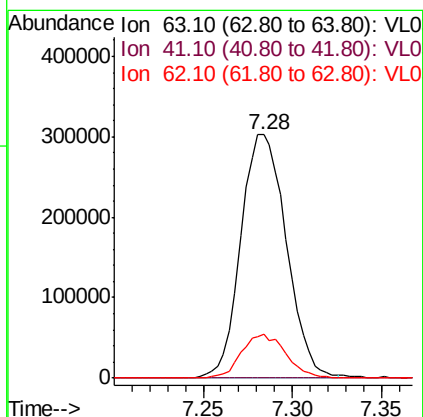
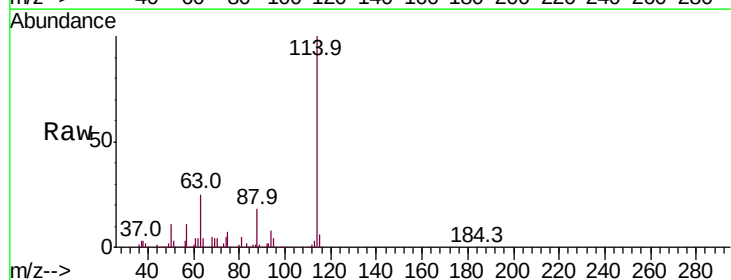
Instrument :
 MSVOA_L
 ClientSampleId :

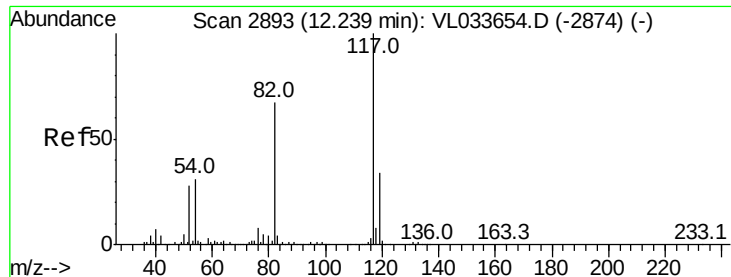
Tot Ion:114 Resp: 2017018
 Ion Ratio Lower Upper
 114 100
 63 27.0 21.3 31.9
 88 18.3 14.4 21.6



#39
 1,2-Dichloropropane
 Concen: 8.021 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.45 min
 Lab File: VL033673.D
 Acq: 7 May 2019 00:28

Tgt Ion: 63 Resp: 540696
 Ion Ratio Lower Upper
 63 100
 41 0.1 61.6 92.4#
 62 17.8 55.0 82.6#

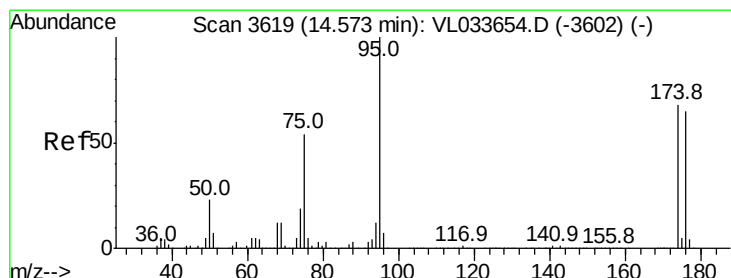
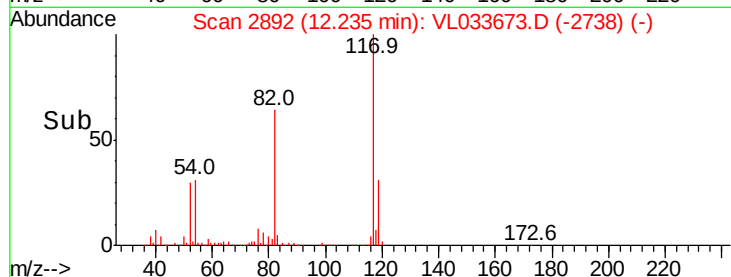
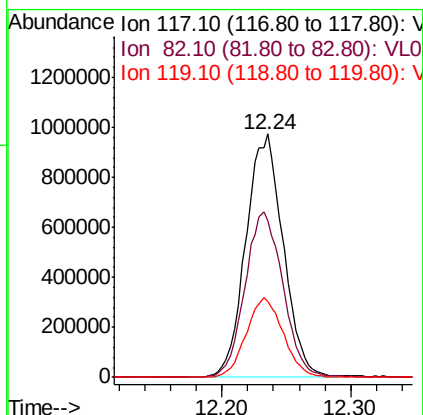
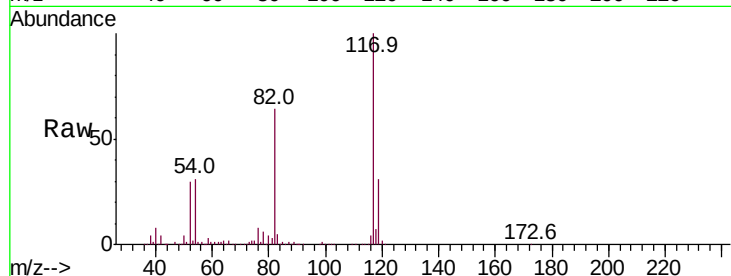




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2892
Delta R.T. -0.00 min
Lab File: VL033673.D
Acq: 7 May 2019 00:28

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 1969308
Ion Ratio Lower Upper
117 100
82 69.6 49.7 74.5
119 32.7 24.8 37.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.628 ppbv
RT: 14.57 min Scan# 3618
Delta R.T. -0.00 min
Lab File: VL033673.D
Acq: 7 May 2019 00:28

Tgt Ion: 95 Resp: 1715607
Ion Ratio Lower Upper
95 100
174 66.0 54.0 81.0
175 4.7 3.8 5.8

