

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032974.D
 Acq On : 12 Dec 2018 3:48
 Operator : SY/AP
 Sample : J6262-04DL2 400X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 12 04:23:36 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
 QLast Update : Fri Dec 07 09:35:17 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1216466	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2951918	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	2949716	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2029060	9.31	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.10%

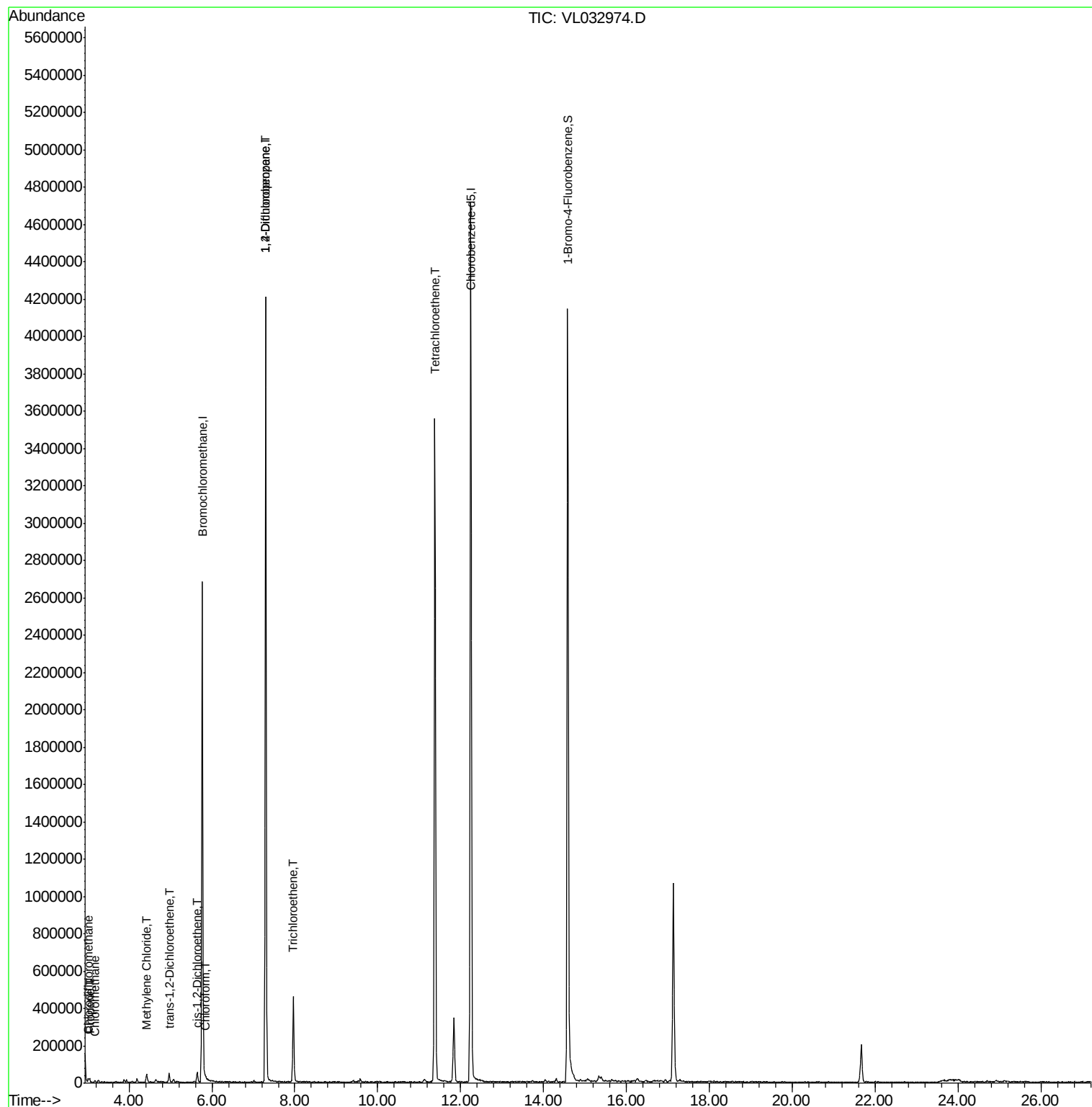
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.02	51	19549	0.212	ppbv #	89
4) Chloromethane	3.18	50	7637	0.142	ppbv	99
9) Propene	3.05	41	1638	0.045	ppbv	96
20) Methylene Chloride	4.42	84	11134	0.218	ppbv #	91
22) trans-1,2-Dichloroethene	4.97	96	14698	0.232	ppbv #	68
29) Chloroform	5.85	83	6703	0.033	ppbv	88
31) cis-1,2-Dichloroethene	5.64	61	27927	0.267	ppbv #	84
38) Trichloroethene	7.96	130	90467	1.001	ppbv	93
39) 1,2-Dichloropropane	7.29	63	719241	8.735	ppbv #	21
52) Tetrachloroethene	11.38	164	832753	10.544	ppbv	99

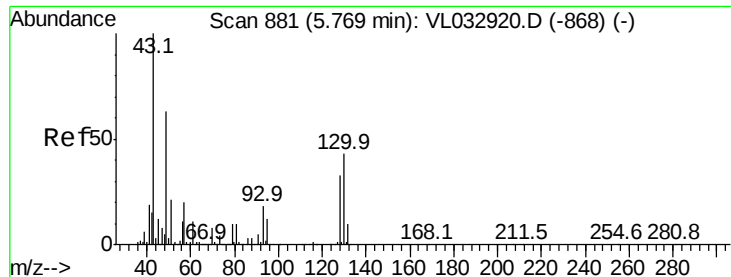
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121118\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL120718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Dec 07 09:35:17 2018
QLast Update : Fri Dec 07 09:35:17 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.00 min

Lab File: VL032974.D

Acq: 12 Dec 2018 3:48

Instrument :
MSVOA_L
ClientSampleId :

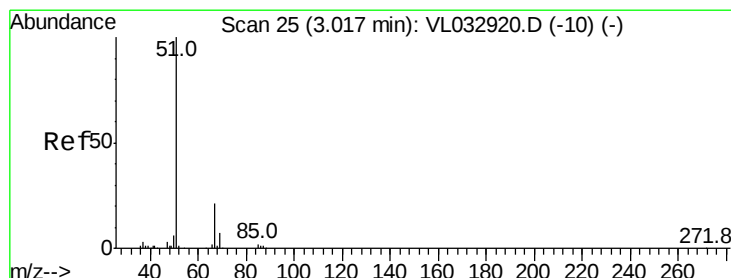
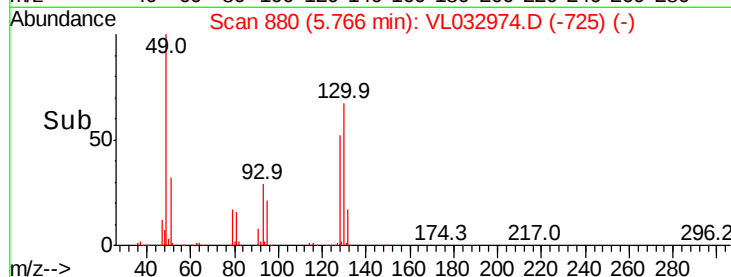
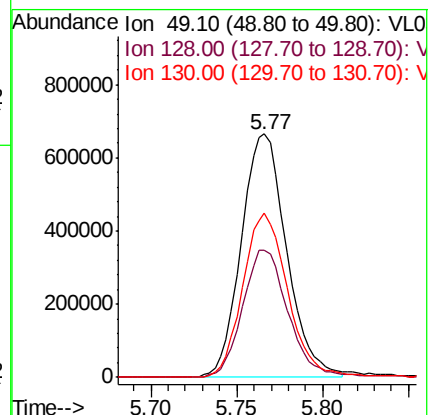
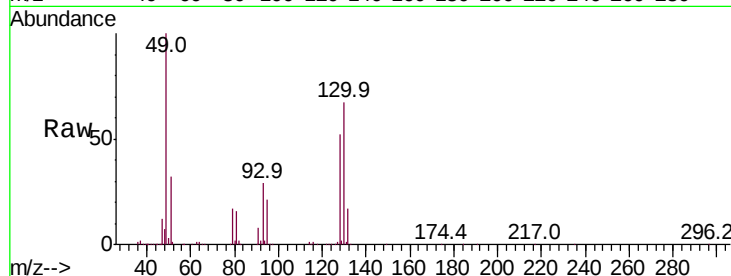
Tot Ion: 49 Resp: 1216466

Ion Ratio Lower Upper

49 100

128 53.4 26.3 78.8

130 68.2 33.9 101.7



#3

Chlorodifluoromethane

Concen: 0.212 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.00 min

Lab File: VL032974.D

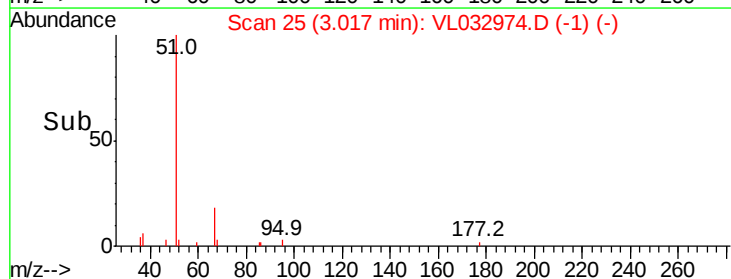
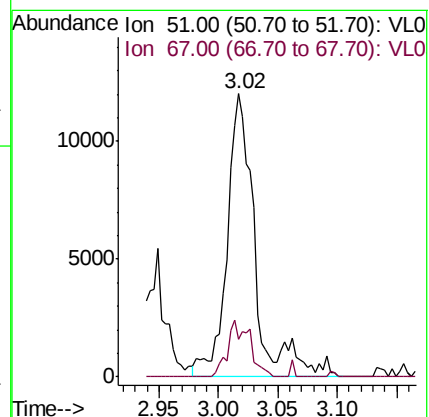
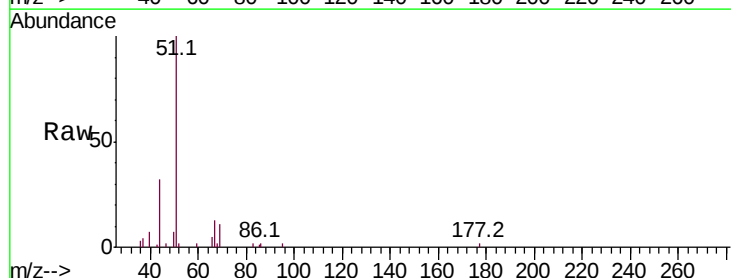
Acq: 12 Dec 2018 3:48

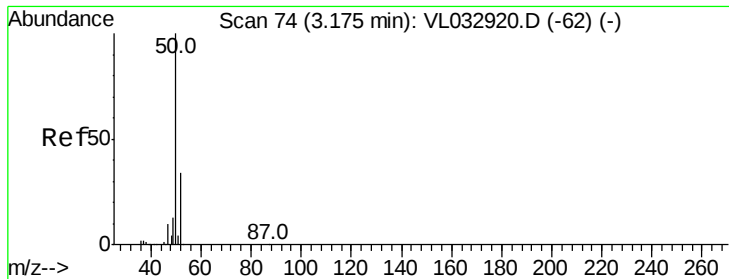
Tgt Ion: 51 Resp: 19549

Ion Ratio Lower Upper

51 100

67 15.9 16.8 25.2#





#4

Chloromethane

Concen: 0.142 ppbv

RT: 3.18 min Scan# 76

Delta R.T. 0.01 min

Lab File: VL032974.D

Acq: 12 Dec 2018 3:48

Instrument :

MSVOA_L

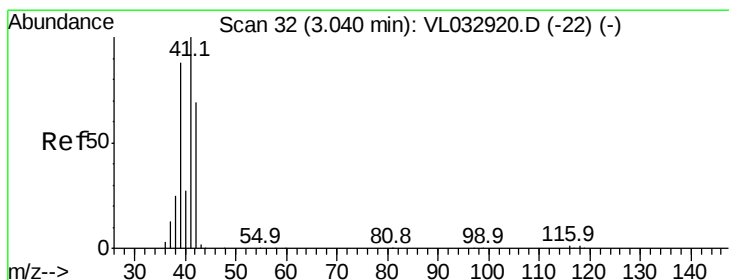
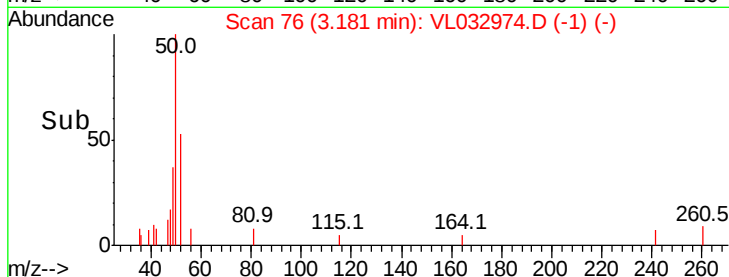
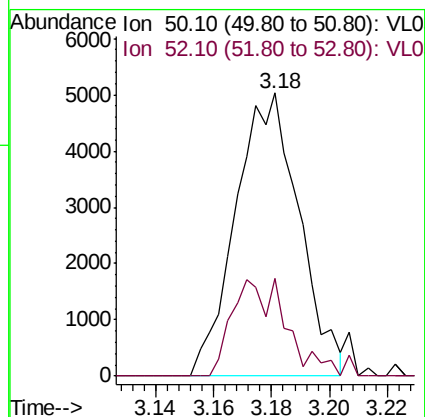
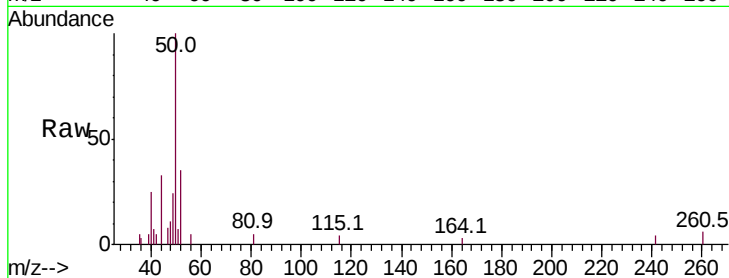
ClientSampleId :

Tot Ion: 50 Resp: 7637

Ion Ratio Lower Upper

50 100

52 34.6 27.3 40.9



#9

Propene

Concen: 0.045 ppbv

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL032974.D

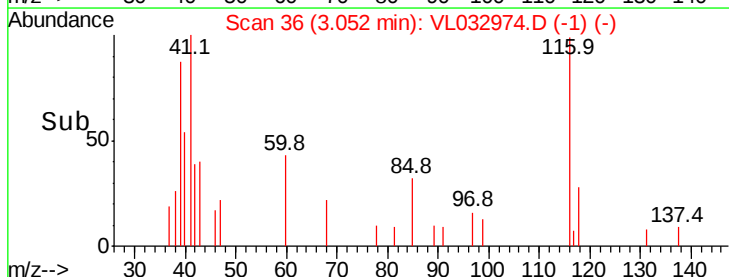
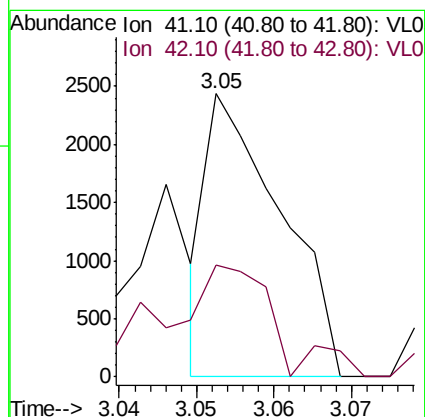
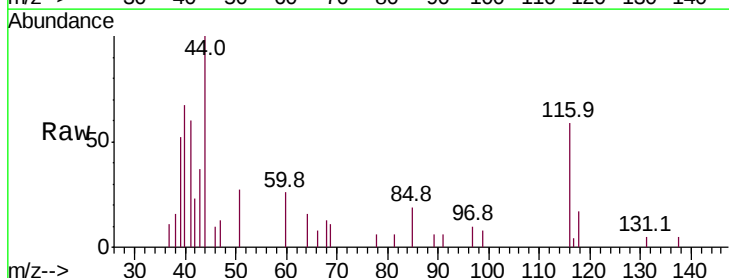
Acq: 12 Dec 2018 3:48

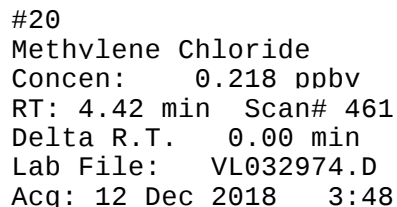
Tgt Ion: 41 Resp: 1638

Ion Ratio Lower Upper

41 100

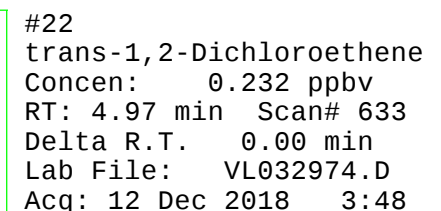
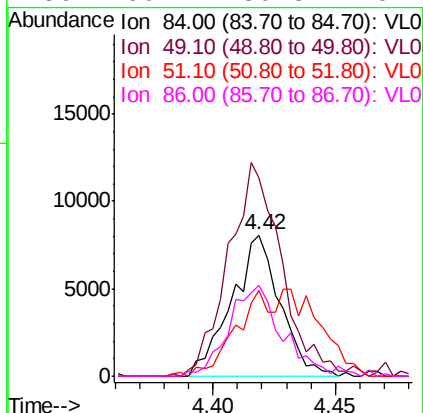
42 73.1 56.2 84.2



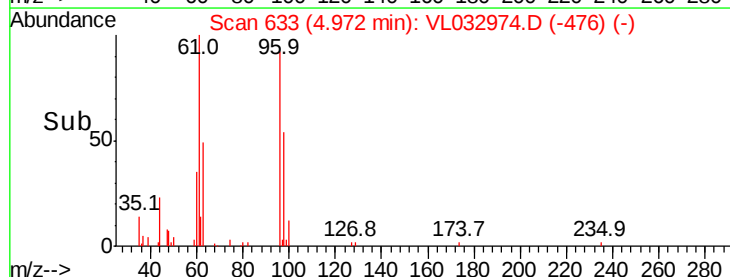
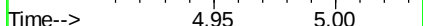
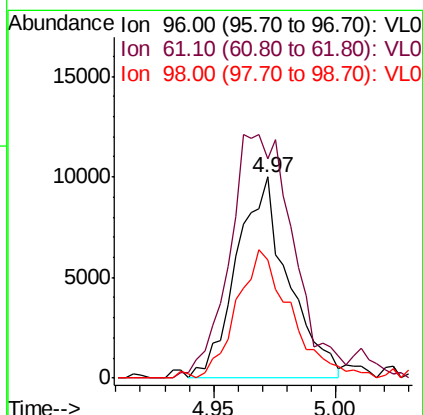


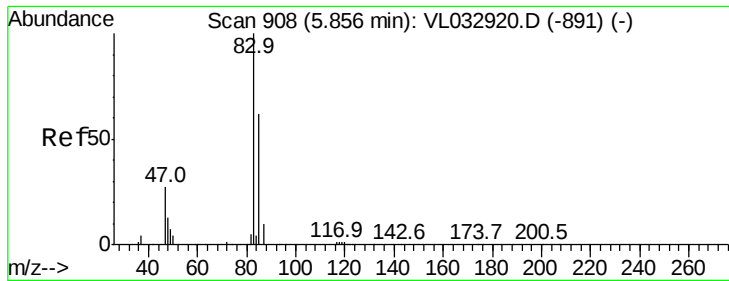
Instrument :
MSVOA_L
ClientSampleId :

Tot	Ion: 84	Resp:	11134
Ion	Ratio	Lower	Upper
84	100		
49	137.0	113.8	170.8
51	61.3	31.8	47.8#
86	60.7	50.8	76.2



Tgt	Ion: 96	Resp:	14698
Ion	Ratio	Lower	Upper
96	100		
61	106.0	127.1	190.7#
98	56.1	51.3	76.9

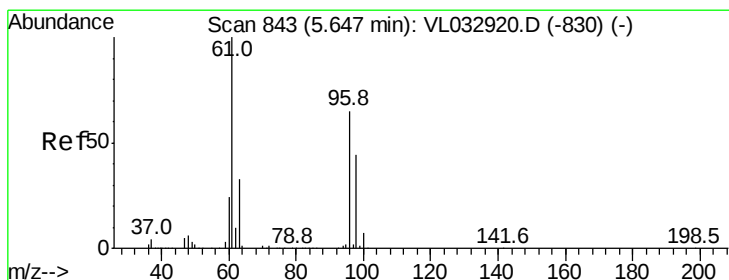
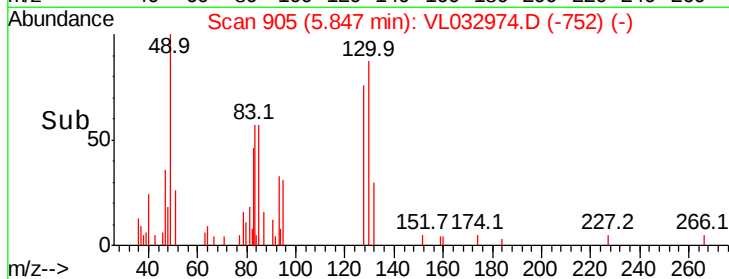
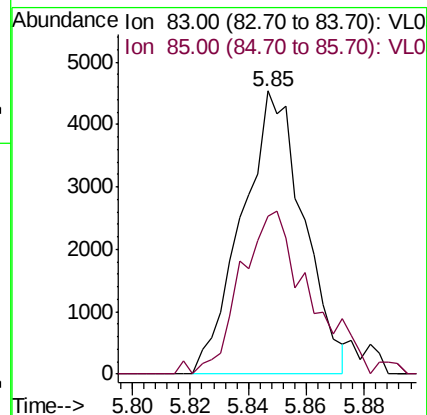
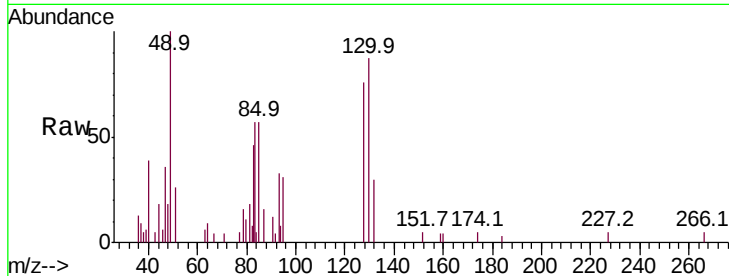




#29
Chloroform
Concen: 0.033 ppbv
RT: 5.85 min Scan# 905
Delta R.T. -0.01 min
Lab File: VL032974.D
Acq: 12 Dec 2018 3:48

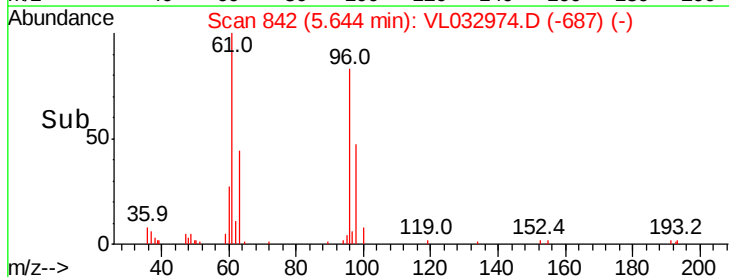
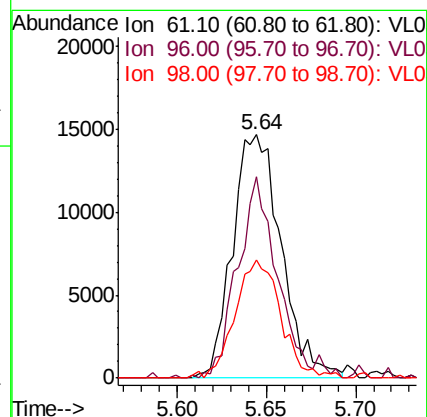
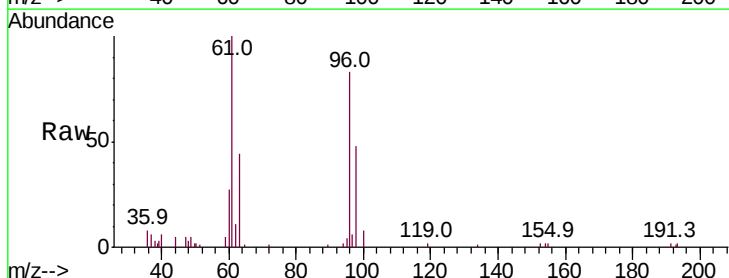
Instrument :
MSVOA_L
ClientSampleId :

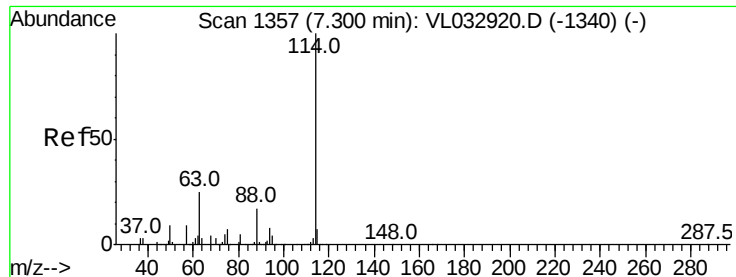
Tot Ion: 83 Resp: 6703
Ion Ratio Lower Upper
83 100
85 53.2 49.8 74.8



#31
cis-1,2-Dichloroethene
Concen: 0.267 ppbv
RT: 5.64 min Scan# 842
Delta R.T. -0.00 min
Lab File: VL032974.D
Acq: 12 Dec 2018 3:48

Tgt Ion: 61 Resp: 27927
Ion Ratio Lower Upper
61 100
96 82.7 51.9 77.9#
98 48.4 35.0 52.4

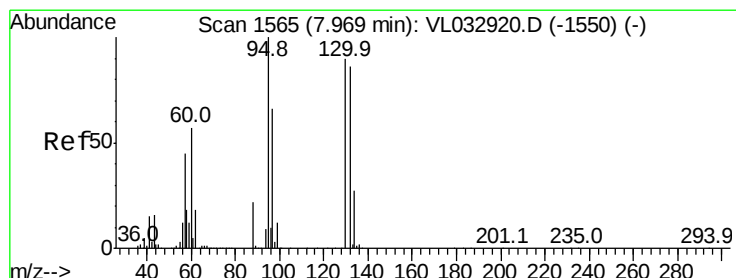
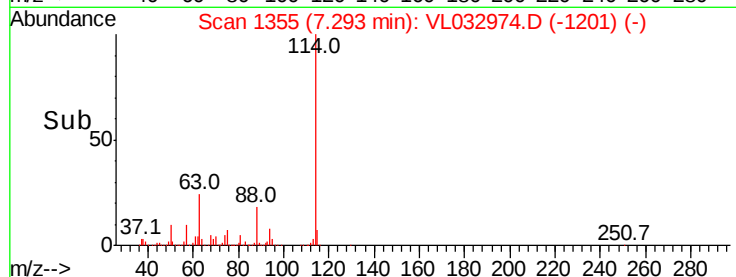
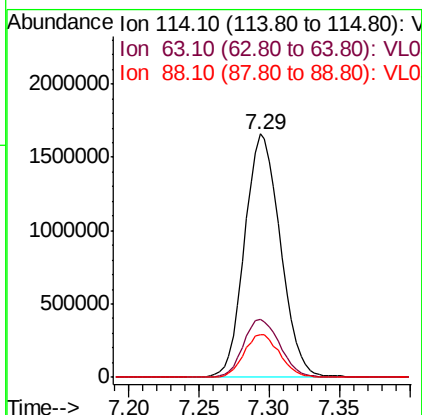
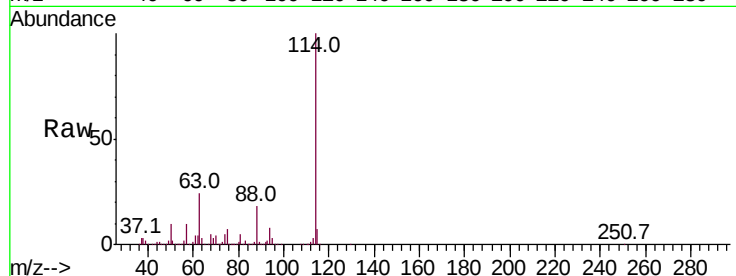




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL032974.D
 Acq: 12 Dec 2018 3:48

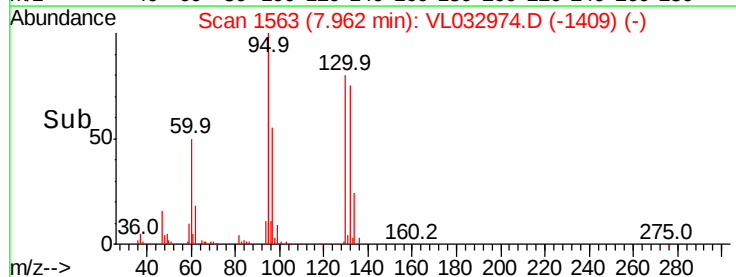
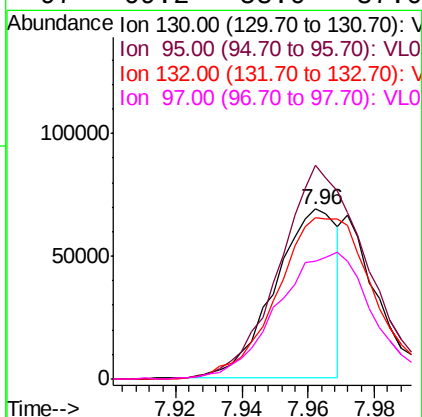
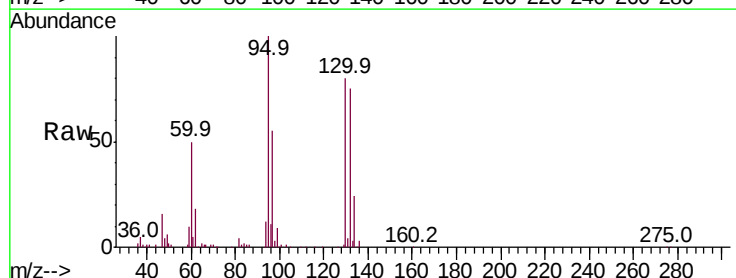
Instrument :
 MSVOA_L
 ClientSampleId :

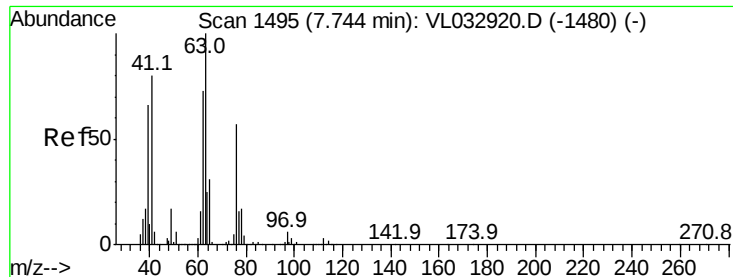
Tot Ion:114 Resp: 2951918
 Ion Ratio Lower Upper
 114 100
 63 24.5 20.1 30.1
 88 17.7 14.2 21.4



#38
 Trichloroethene
 Concen: 1.001 ppbv
 RT: 7.96 min Scan# 1563
 Delta R.T. -0.01 min
 Lab File: VL032974.D
 Acq: 12 Dec 2018 3:48

Tgt Ion:130 Resp: 90467
 Ion Ratio Lower Upper
 130 100
 95 125.8 88.6 132.8
 132 94.2 76.1 114.1
 97 69.2 58.0 87.0





#39

1,2-Dichloropropane

Concen: 8.735 ppbv

RT: 7.29 min Scan# 1355

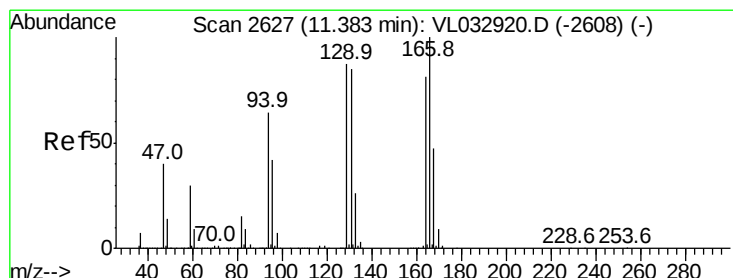
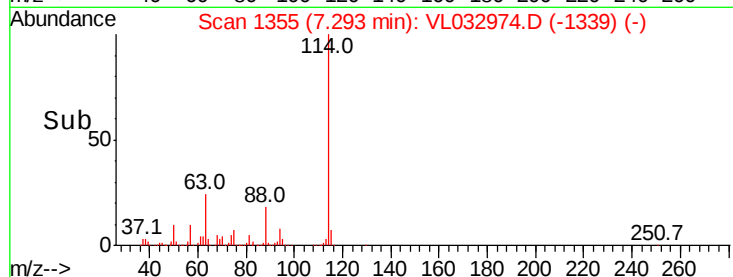
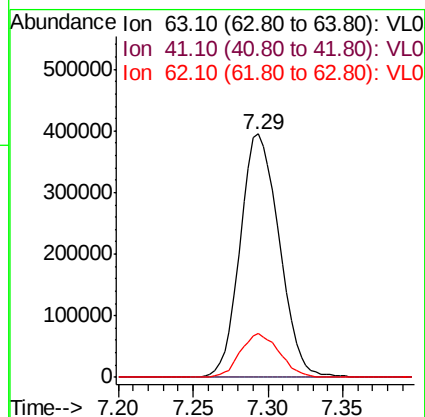
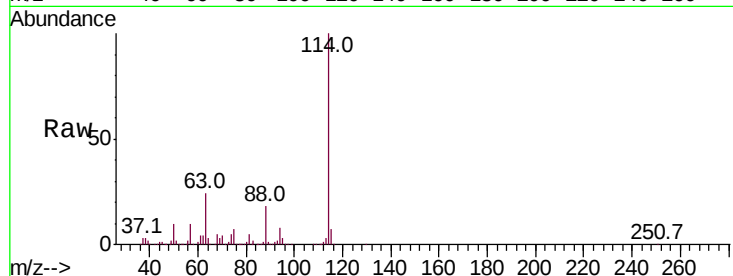
Delta R.T. -0.45 min

Lab File: VL032974.D

Acq: 12 Dec 2018 3:48

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	63	Resp:	719241
Ion	Ratio	Lower	Upper
63	100		
41	0.0	63.9	95.9#
62	18.2	58.8	88.2#



#52

Tetrachloroethene

Concen: 10.544 ppbv

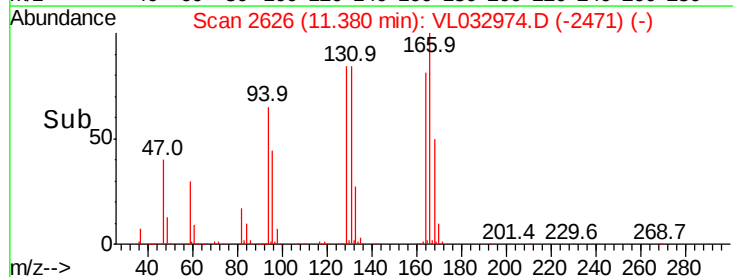
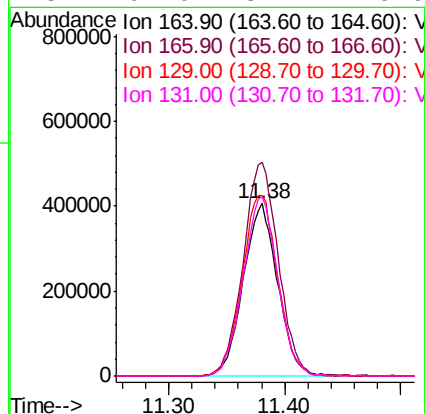
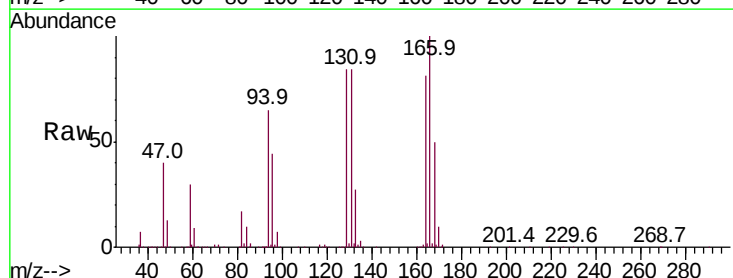
RT: 11.38 min Scan# 2626

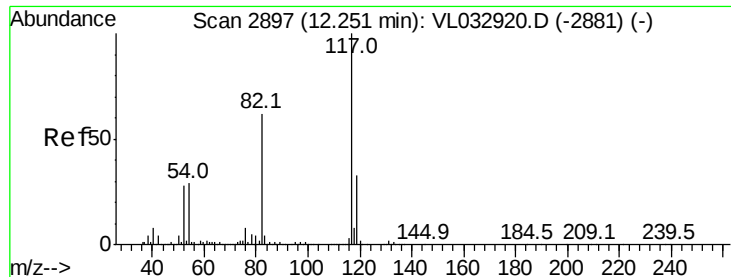
Delta R.T. -0.00 min

Lab File: VL032974.D

Acq: 12 Dec 2018 3:48

Tgt Ion:	164	Resp:	832753
Ion	Ratio	Lower	Upper
164	100		
166	123.9	98.8	148.2
129	104.3	85.5	128.3
131	104.0	84.4	126.6

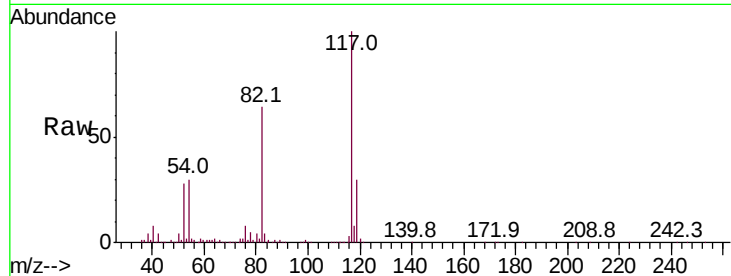




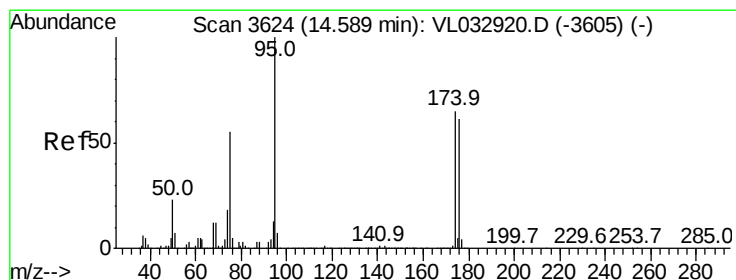
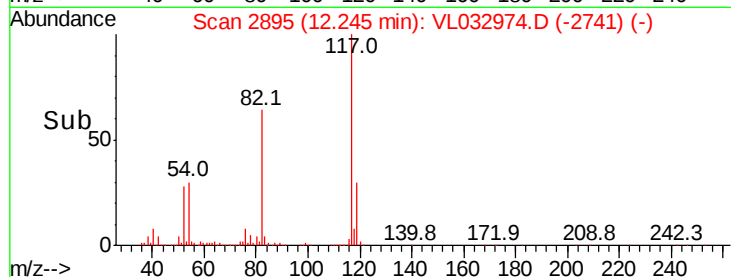
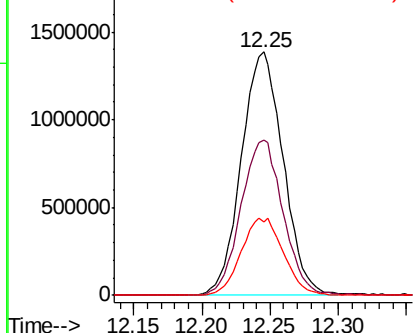
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032974.D
Acq: 12 Dec 2018 3:48

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2949716
Ion Ratio Lower Upper
117 100
82 64.8 47.8 71.8
119 32.4 43.1 64.7#

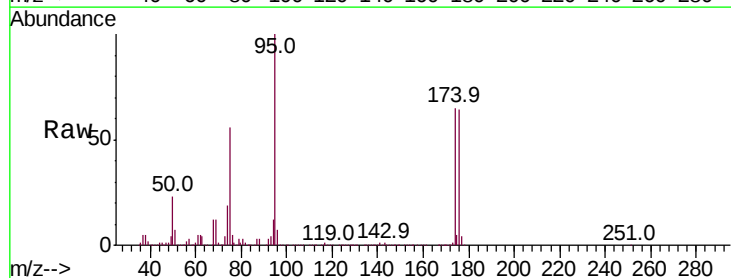


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.311 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032974.D
Acq: 12 Dec 2018 3:48

Tgt Ion: 95 Resp: 2029060
Ion Ratio Lower Upper
95 100
174 65.1 51.4 77.0
175 4.9 3.8 5.6



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

