

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
 Data File : VL032959.D
 Acq On : 11 Dec 2018 18:01
 Operator : SY/AP
 Sample : J6338-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 12 00:51:22 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	5.76	49	1377304	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3317767	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3061479	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2243680	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

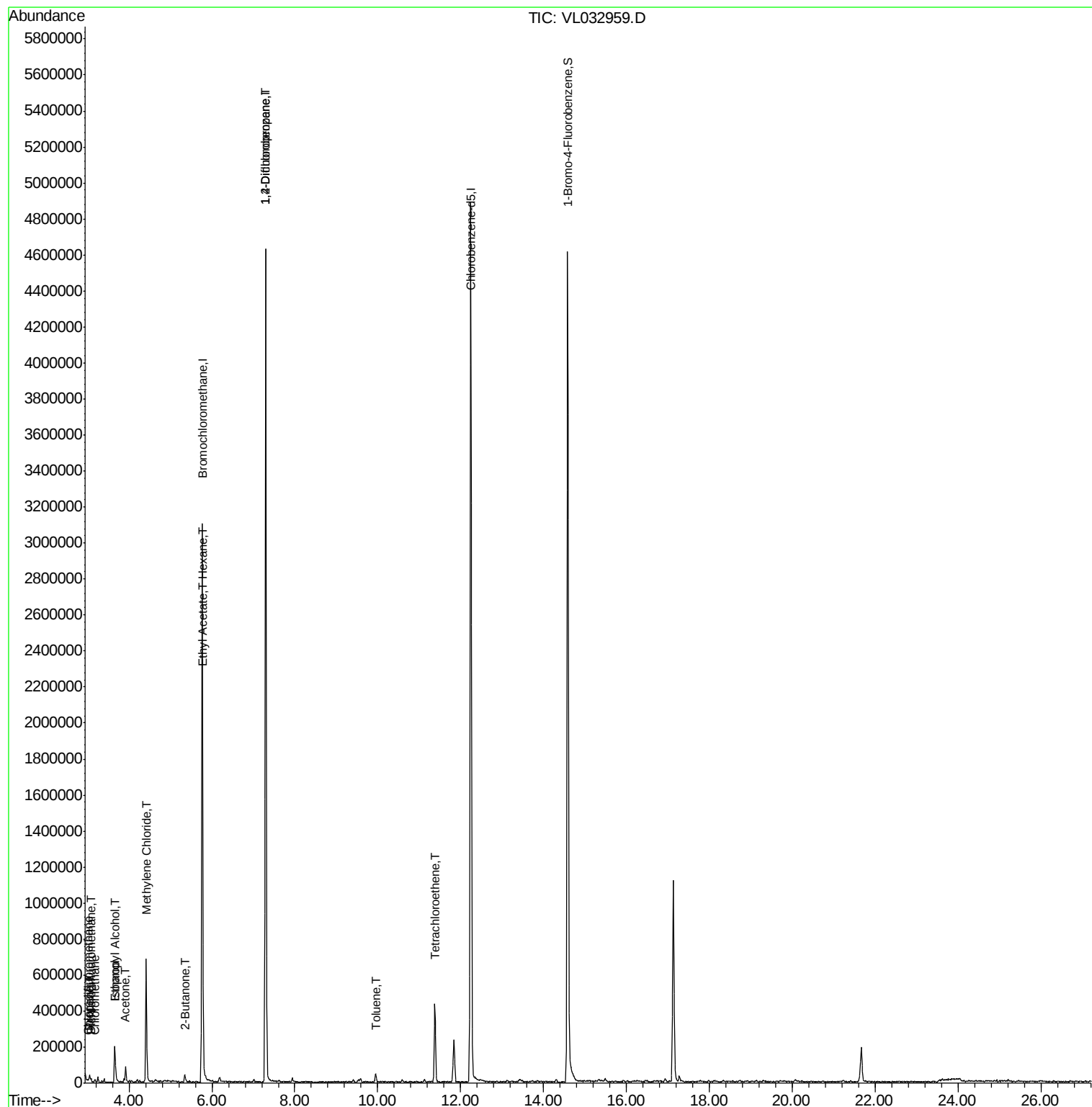
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	11140	0.061	ppbv	89
3) Chlorodifluoromethane	3.01	51	7311	0.070	ppbv #	86
4) Chloromethane	3.17	50	3622	0.060	ppbv	96
9) Propene	3.05	41	4007	0.097	ppbv	90
13) Ethanol	3.65	45	231905	16.330	ppbv	97
15) Acetone	3.92	43	78918	0.668	ppbv	95
19) Isopropyl Alcohol	3.65	45	231905	3.124	ppbv #	95
20) Methylene Chloride	4.42	84	241779	4.185	ppbv	97
25) Ethyl Acetate	5.79	43	27239	0.098	ppbv #	93
26) Hexane	5.78	57	27411	0.213	ppbv #	54
34) 2-Butanone	5.35	43	27141	0.188	ppbv #	59
39) 1,2-Dichloropropane	7.29	63	812441	8.779	ppbv #	21
52) Tetrachloroethene	11.38	164	55946	0.630	ppbv	97
53) Toluene	9.95	91	22700	0.088	ppbv #	59

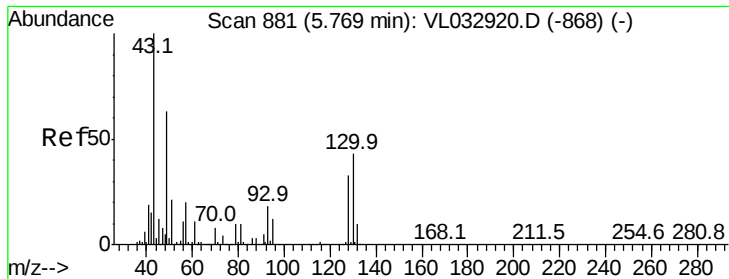
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121118\
Data File : VL032959.D
Acq On : 11 Dec 2018 18:01
Operator : SY/AP
Sample : J6338-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 12 00:51:22 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 879

Delta R.T. -0.01 min

Lab File: VL032959.D

Acq: 11 Dec 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :

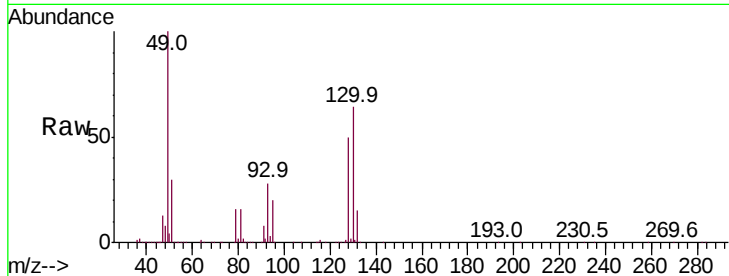
Tot Ion: 49 Resp: 1377304

Ion Ratio Lower Upper

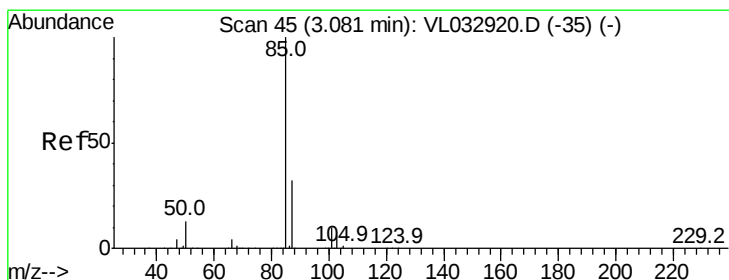
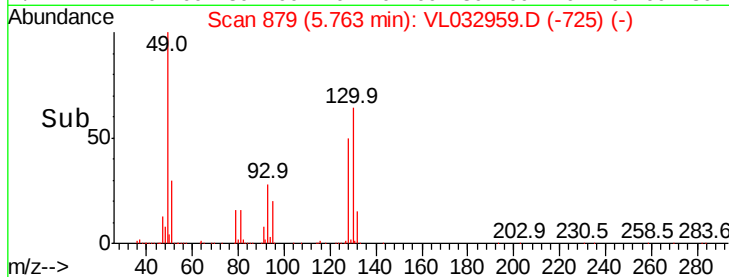
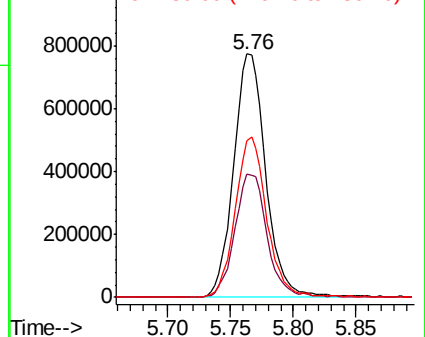
49 100

128 51.6 26.3 78.8

130 65.0 33.9 101.7



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



#2

Dichlorodifluoromethane

Concen: 0.061 ppbv

RT: 3.08 min Scan# 45

Delta R.T. 0.00 min

Lab File: VL032959.D

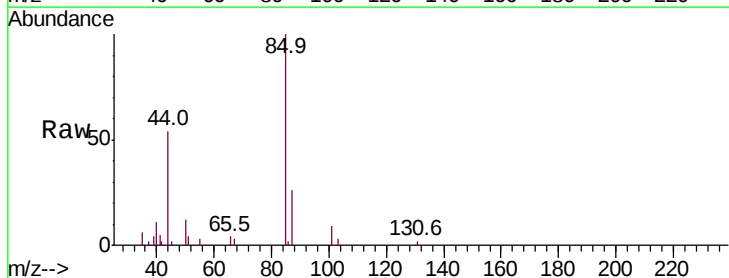
Acq: 11 Dec 2018 18:01

Tgt Ion: 85 Resp: 11140

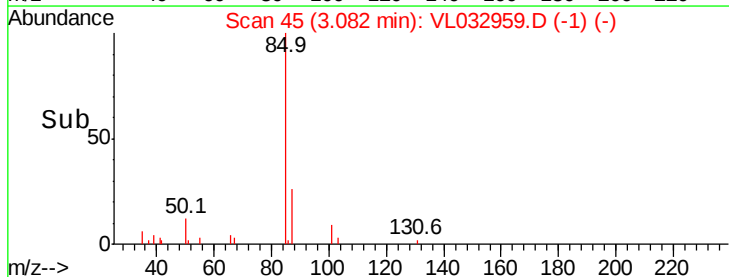
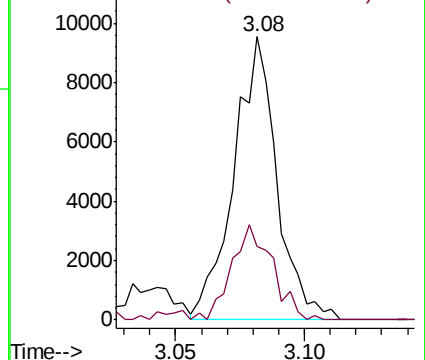
Ion Ratio Lower Upper

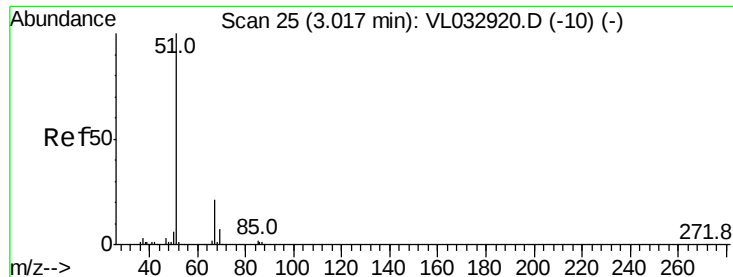
85 100

87 25.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.070 ppbv

RT: 3.01 min Scan# 24

Delta R.T. -0.00 min

Lab File: VL032959.D

Acq: 11 Dec 2018 18:01

Instrument :

MSVOA_L

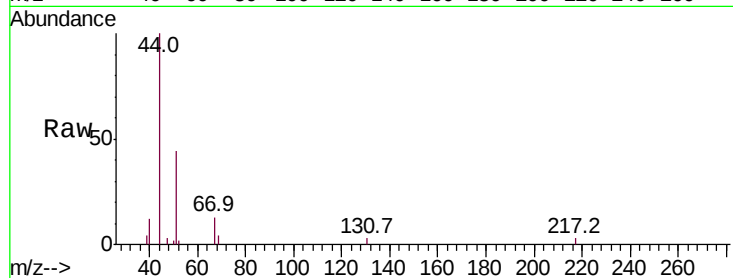
ClientSampleId :

Tot Ion: 51 Resp: 7311

Ion Ratio Lower Upper

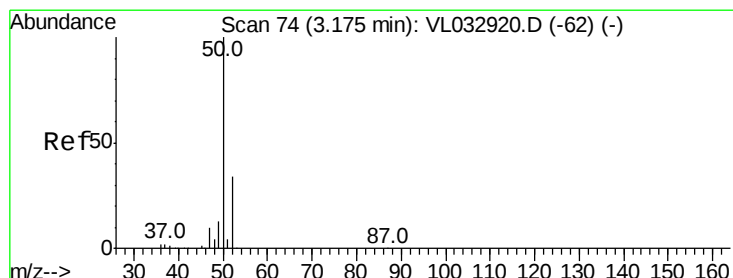
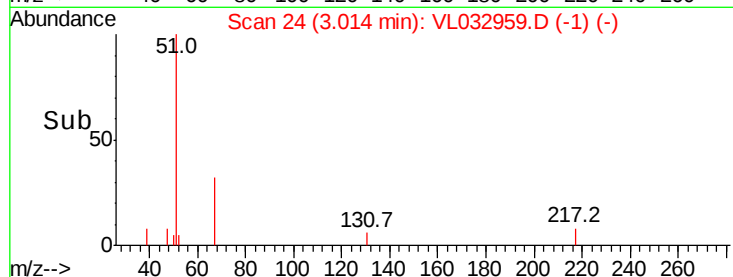
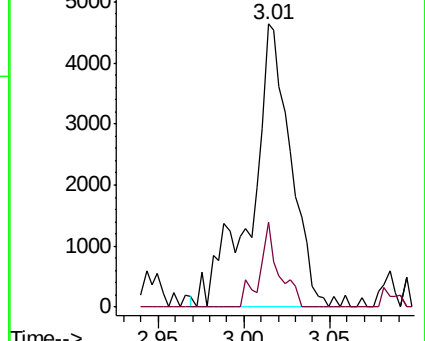
51 100

67 14.6 16.8 25.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.060 ppbv

RT: 3.17 min Scan# 72

Delta R.T. -0.01 min

Lab File: VL032959.D

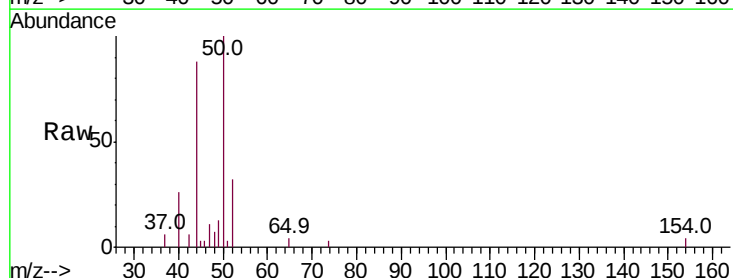
Acq: 11 Dec 2018 18:01

Tgt Ion: 50 Resp: 3622

Ion Ratio Lower Upper

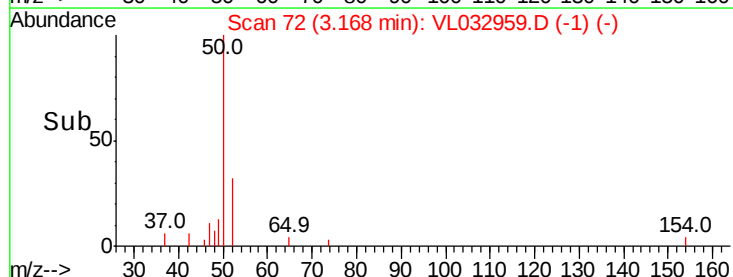
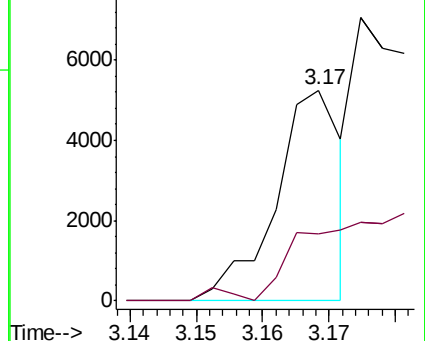
50 100

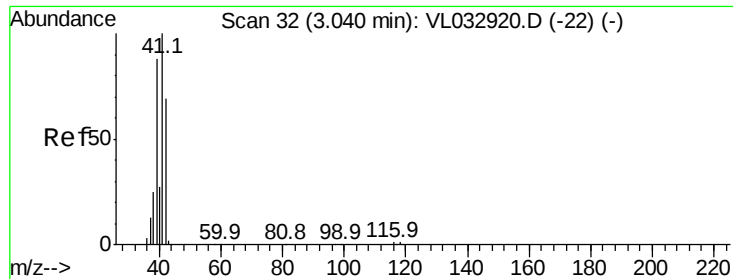
52 32.0 27.3 40.9



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.097 ppbv

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL032959.D

Acq: 11 Dec 2018 18:01

Instrument :

MSVOA_L

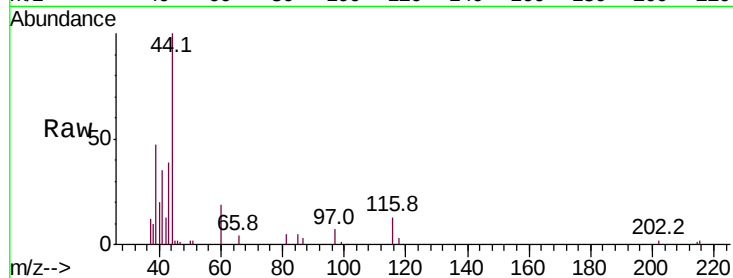
ClientSampleId :

Tot Ion: 41 Resp: 4007

Ion Ratio Lower Upper

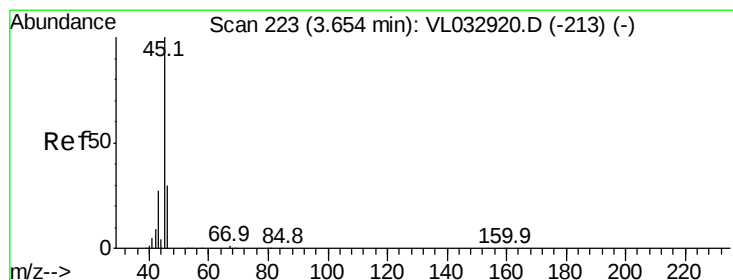
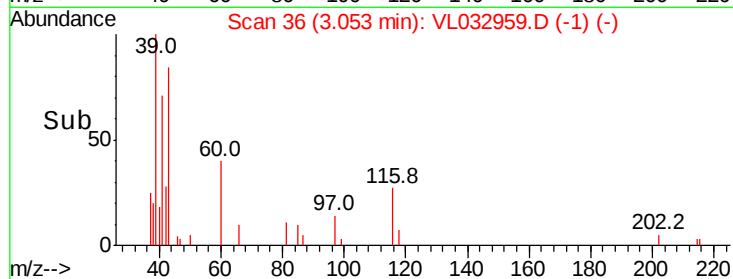
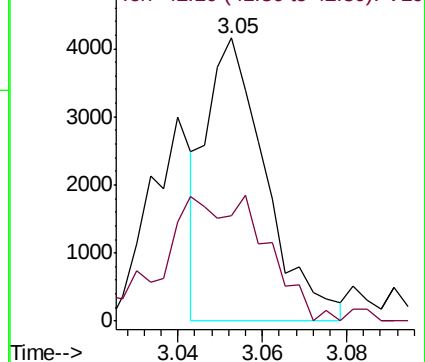
41 100

42 78.8 56.2 84.2



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 16.330 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL032959.D

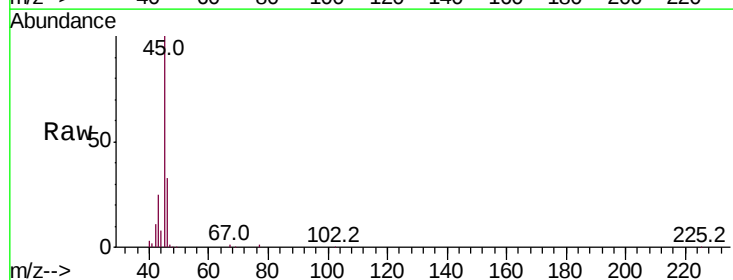
Acq: 11 Dec 2018 18:01

Tgt Ion: 45 Resp: 231905

Ion Ratio Lower Upper

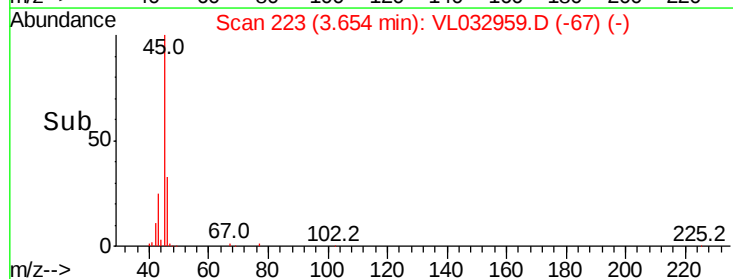
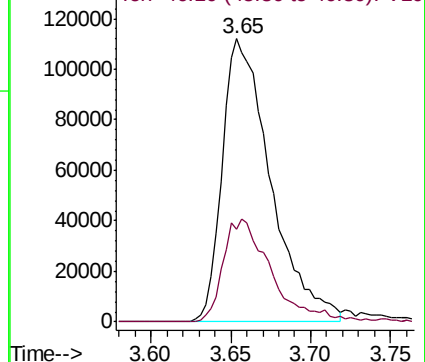
45 100

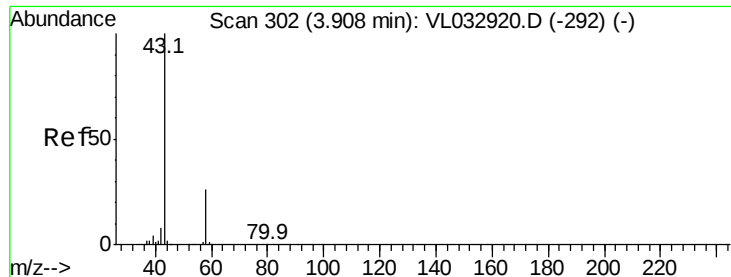
46 36.5 13.8 55.4



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.668 ppbv

RT: 3.92 min Scan# 305

Delta R.T. 0.01 min

Lab File: VL032959.D

Acq: 11 Dec 2018 18:01

Instrument :

MSVOA_L

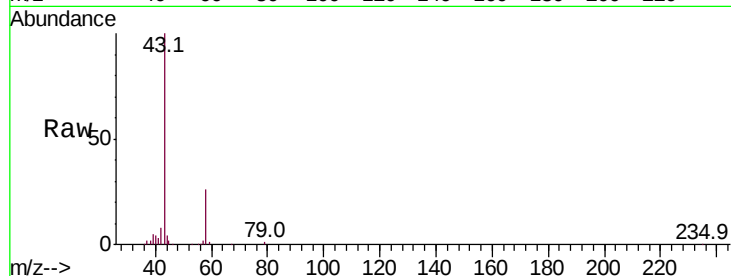
ClientSampleId :

Tot Ion: 43 Resp: 78918

Ion Ratio Lower Upper

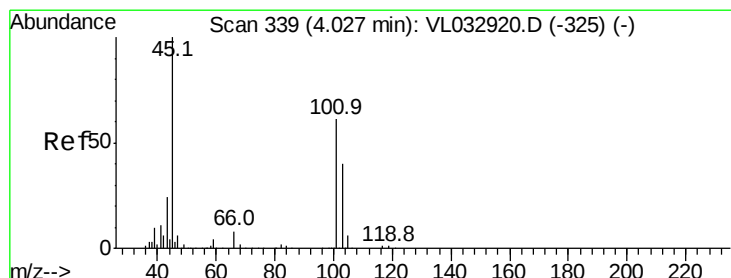
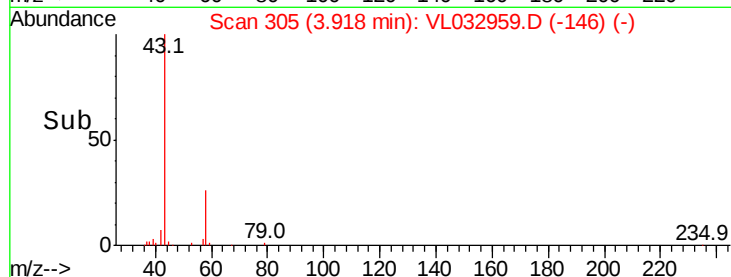
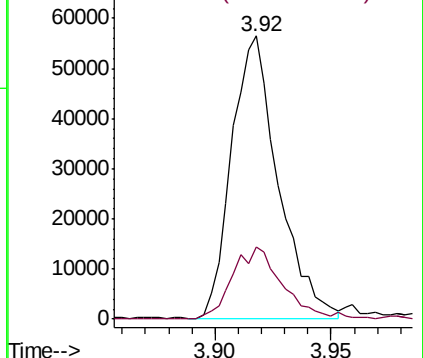
43 100

58 28.1 20.6 30.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 3.124 ppbv

RT: 3.65 min Scan# 223

Delta R.T. -0.37 min

Lab File: VL032959.D

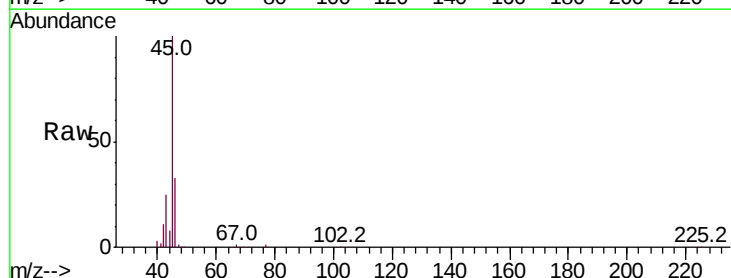
Acq: 11 Dec 2018 18:01

Tgt Ion: 45 Resp: 231905

Ion Ratio Lower Upper

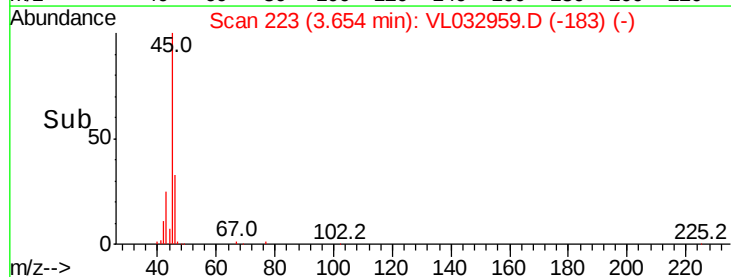
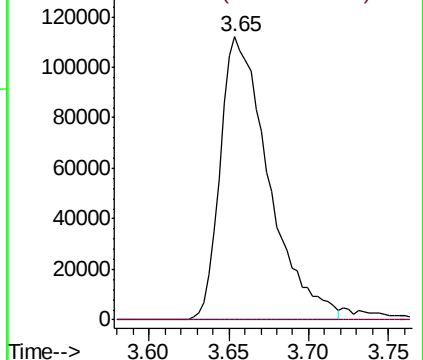
45 100

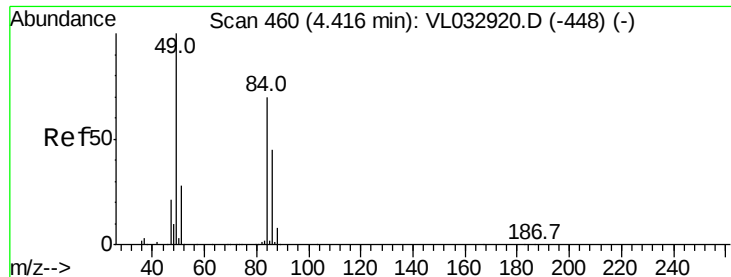
58 0.0 1.4 2.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

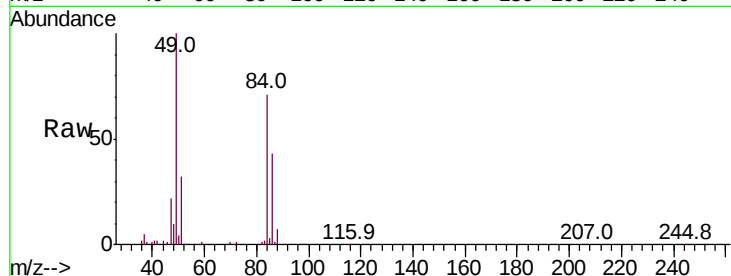




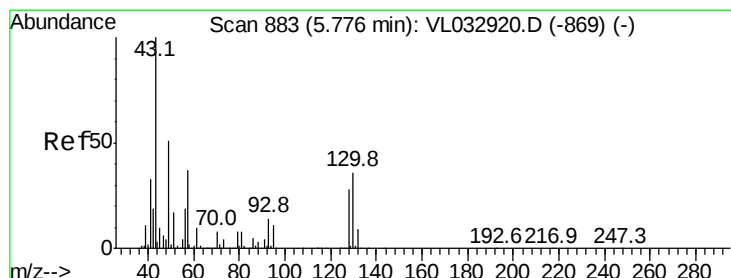
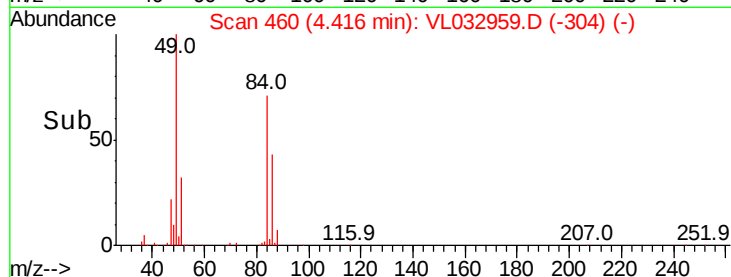
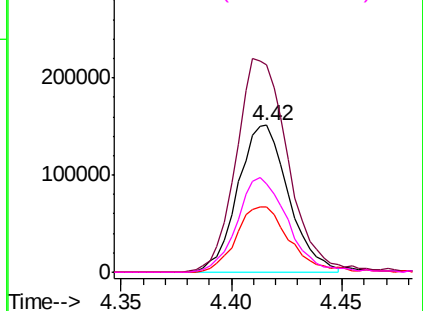
#20
Methvlene Chloride
Concen: 4.185 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032959.D
Acq: 11 Dec 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	241779
Ion	Ratio	Lower	Upper
84	100		
49	141.0	113.8	170.8
51	44.8	31.8	47.8
86	59.8	50.8	76.2

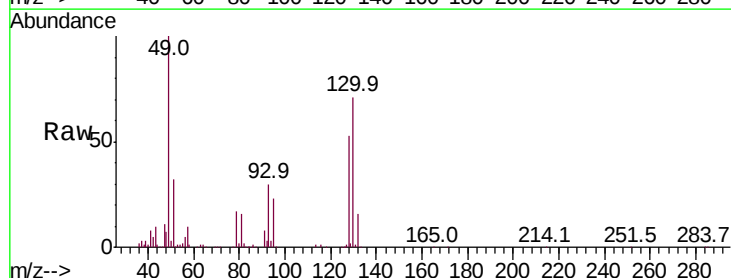


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

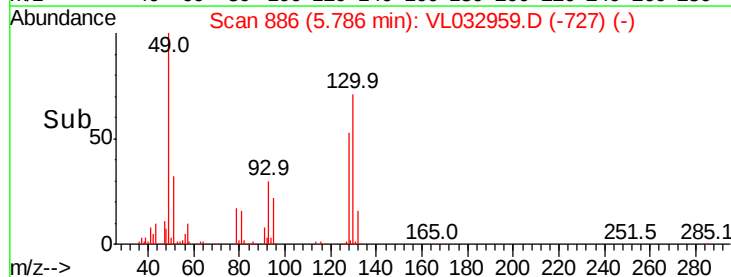
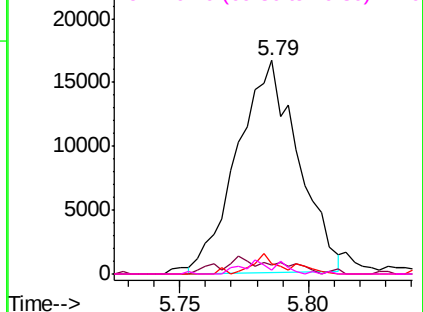


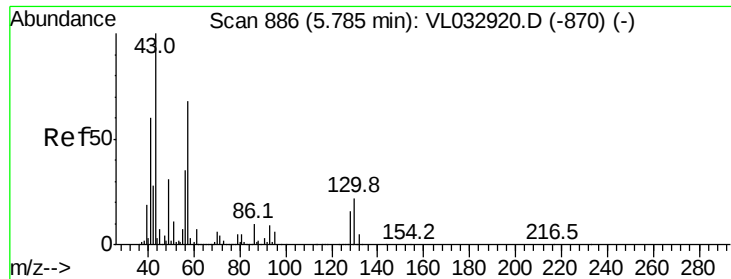
#25
Ethyl Acetate
Concen: 0.098 ppbv
RT: 5.79 min Scan# 886
Delta R.T. 0.01 min
Lab File: VL032959.D
Acq: 11 Dec 2018 18:01

Tgt Ion:	43	Resp:	27239
Ion	Ratio	Lower	Upper
43	100		
45	8.7	7.8	11.6
61	5.4	7.4	11.2#
70	4.2	5.7	8.5#



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

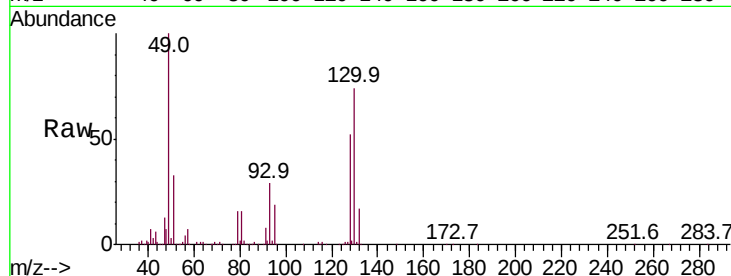




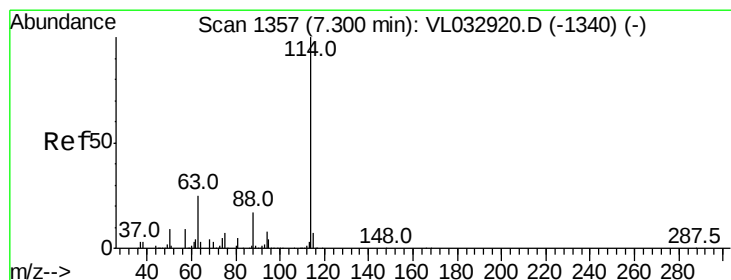
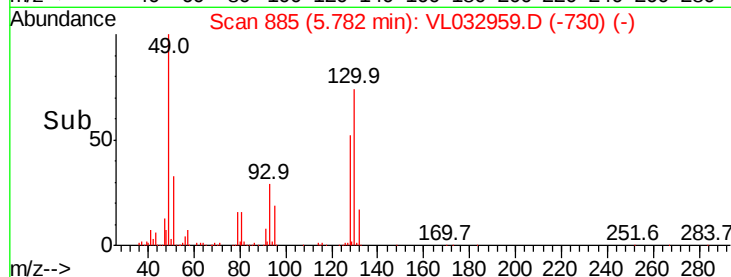
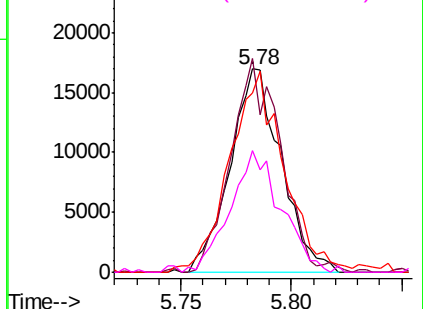
#26
Hexane
Concen: 0.213 ppbv
RT: 5.78 min Scan# 885
Delta R.T. -0.00 min
Lab File: VL032959.D
Acq: 11 Dec 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 27411
Ion Ratio Lower Upper
57 100
41 102.9 72.2 108.2
43 106.9 171.9 257.9#
56 60.9 42.2 63.2

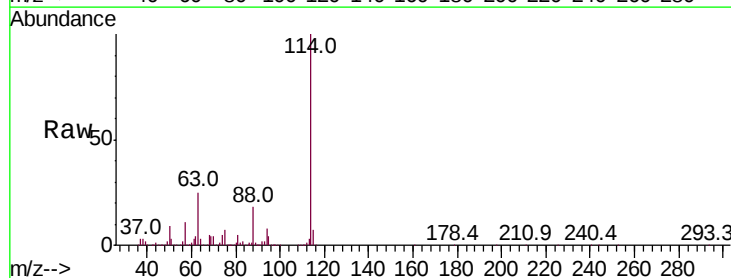


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

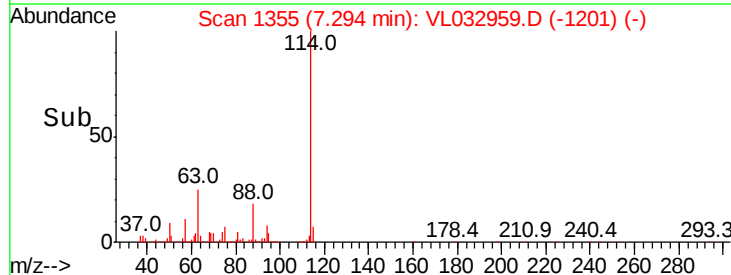
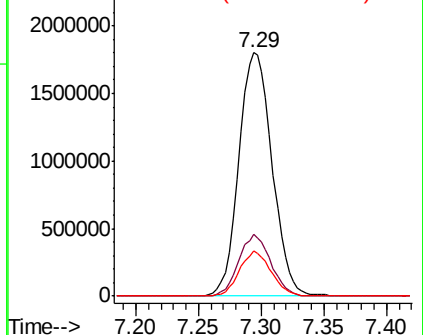


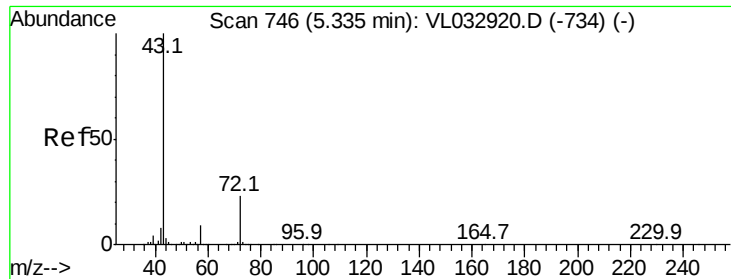
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.01 min
Lab File: VL032959.D
Acq: 11 Dec 2018 18:01

Tgt Ion:114 Resp: 3317767
Ion Ratio Lower Upper
114 100
63 24.7 20.1 30.1
88 17.8 14.2 21.4



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

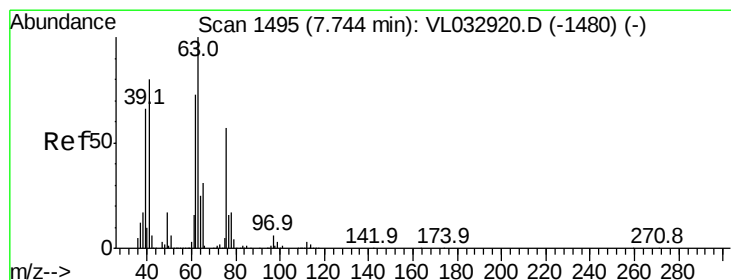
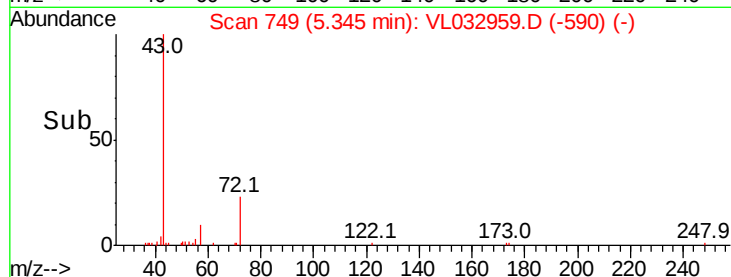
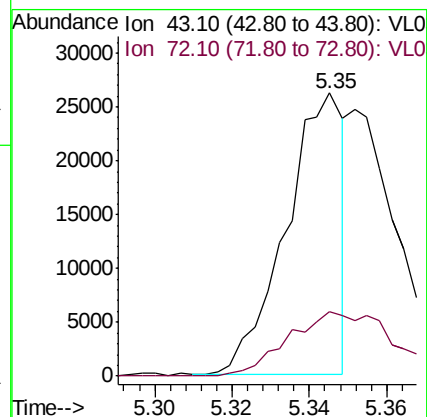
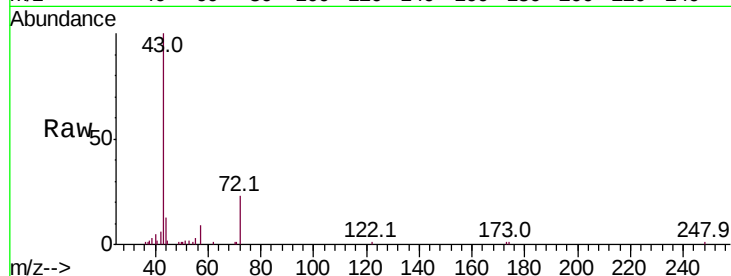




#34
2-Butanone
Concen: 0.188 ppbv
RT: 5.35 min Scan# 749
Delta R.T. 0.01 min
Lab File: VL032959.D
Acq: 11 Dec 2018 18:01

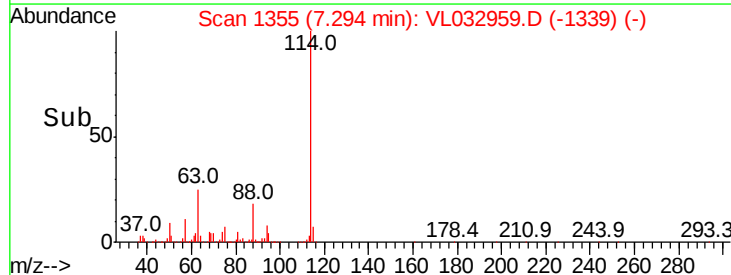
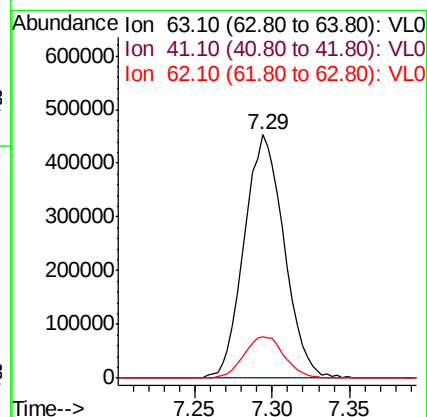
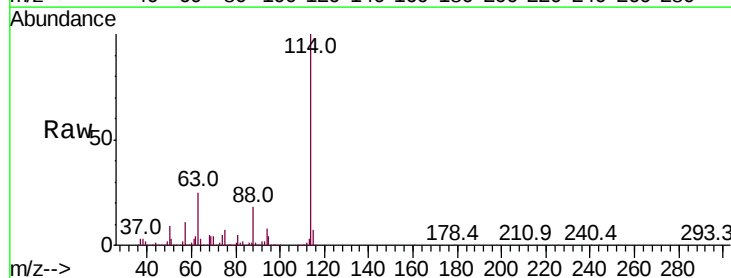
Instrument :
MSVOA_L
ClientSampled :

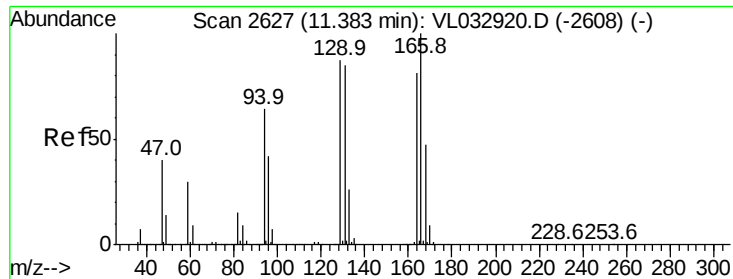
Tot Ion: 43 Resp: 27141
Ion Ratio Lower Upper
43 100
72 43.8 18.8 28.2#



#39
1,2-Dichloropropane
Concen: 8.779 ppbv
RT: 7.29 min Scan# 1355
Delta R.T. -0.45 min
Lab File: VL032959.D
Acq: 11 Dec 2018 18:01

Tgt Ion: 63 Resp: 812441
Ion Ratio Lower Upper
63 100
41 0.0 63.9 95.9#
62 16.9 58.8 88.2#





#52

Tetrachloroethene

Concen: 0.630 ppbv

RT: 11.38 min Scan# 2625

Delta R.T. -0.01 min

Lab File: VL032959.D

Acq: 11 Dec 2018 18:01

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:164 Resp: 55946

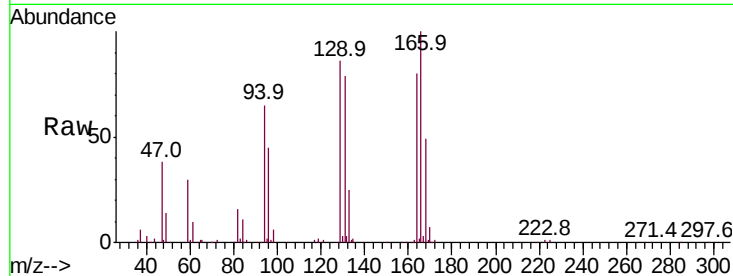
Ion Ratio Lower Upper

164 100

166 125.5 98.8 148.2

129 106.7 85.5 128.3

131 99.2 84.4 126.6

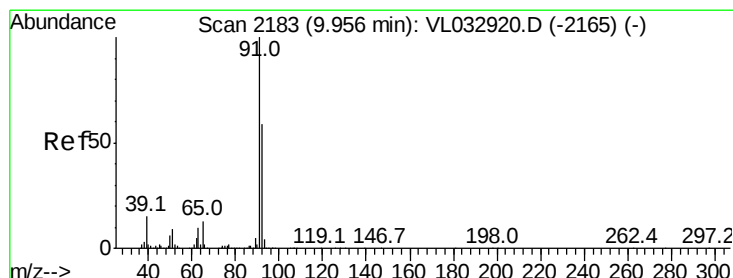
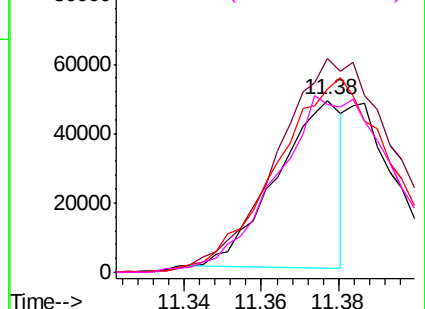
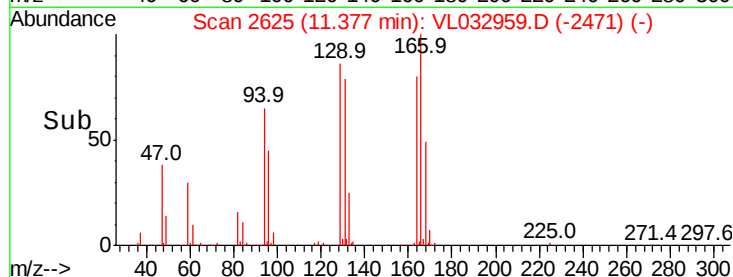


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.088 ppbv

RT: 9.95 min Scan# 2182

Delta R.T. -0.00 min

Lab File: VL032959.D

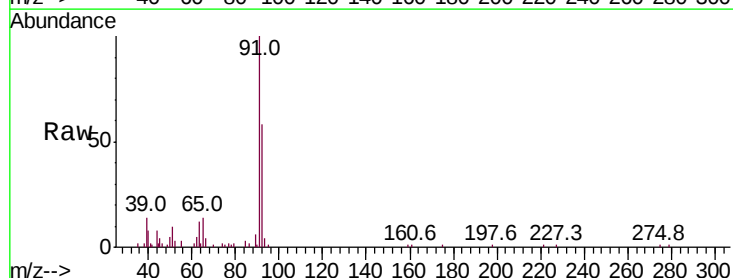
Acq: 11 Dec 2018 18:01

Tgt Ion: 91 Resp: 22700

Ion Ratio Lower Upper

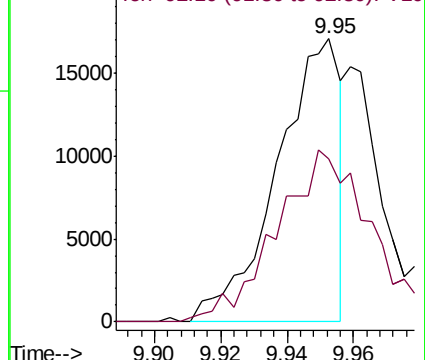
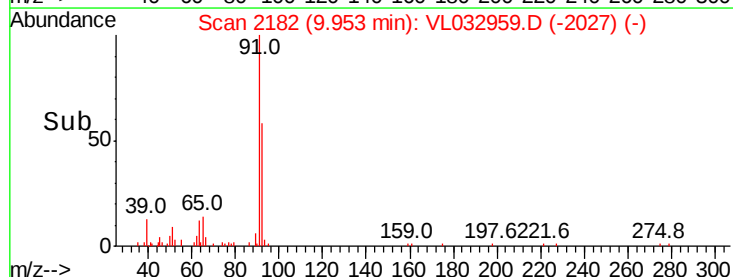
91 100

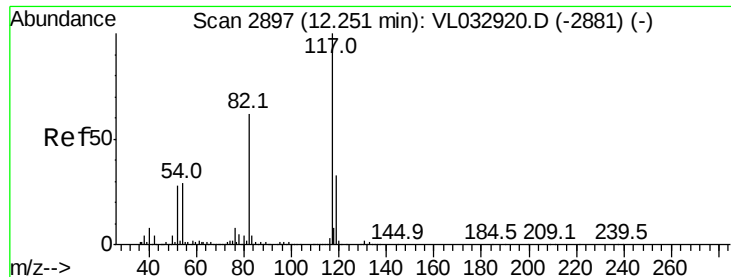
92 90.3 47.4 71.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

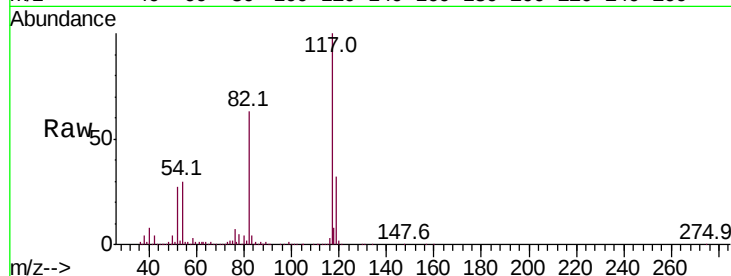




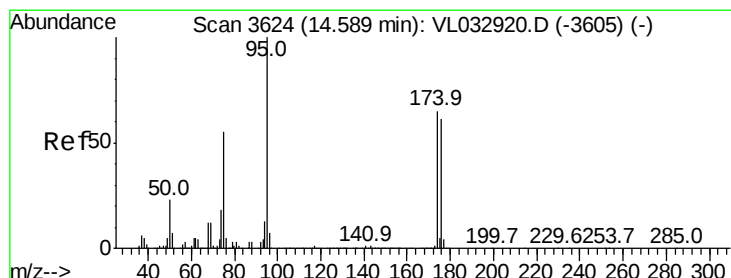
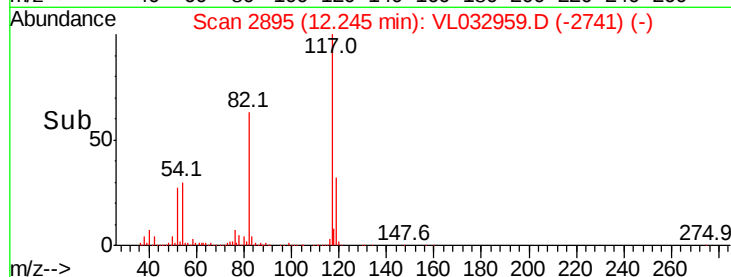
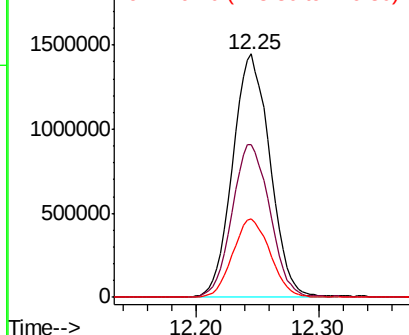
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032959.D
Acq: 11 Dec 2018 18:01

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3061479
Ion Ratio Lower Upper
117 100
82 64.0 47.8 71.8
119 32.8 43.1 64.7#

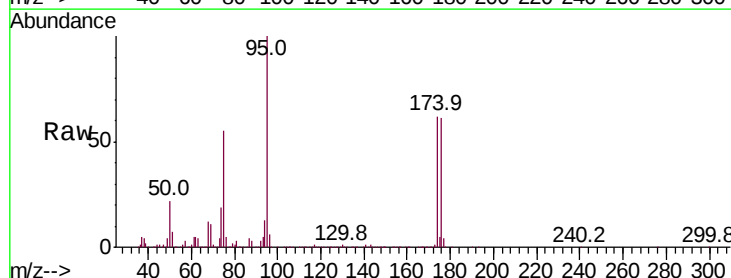


Abundance Ion 117.10 (116.80 to 117.80): V
2000000 Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.920 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032959.D
Acq: 11 Dec 2018 18:01

Tgt Ion: 95 Resp: 2243680
Ion Ratio Lower Upper
95 100
174 65.7 51.4 77.0
175 4.8 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

