

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL082018\
 Data File : VL032407.D
 Acq On : 20 Aug 2018 16:41
 Operator : SY/AP
 Sample : VL0820ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 21 01:41:44 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1840920	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3442952	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3426616	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2547675	9.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

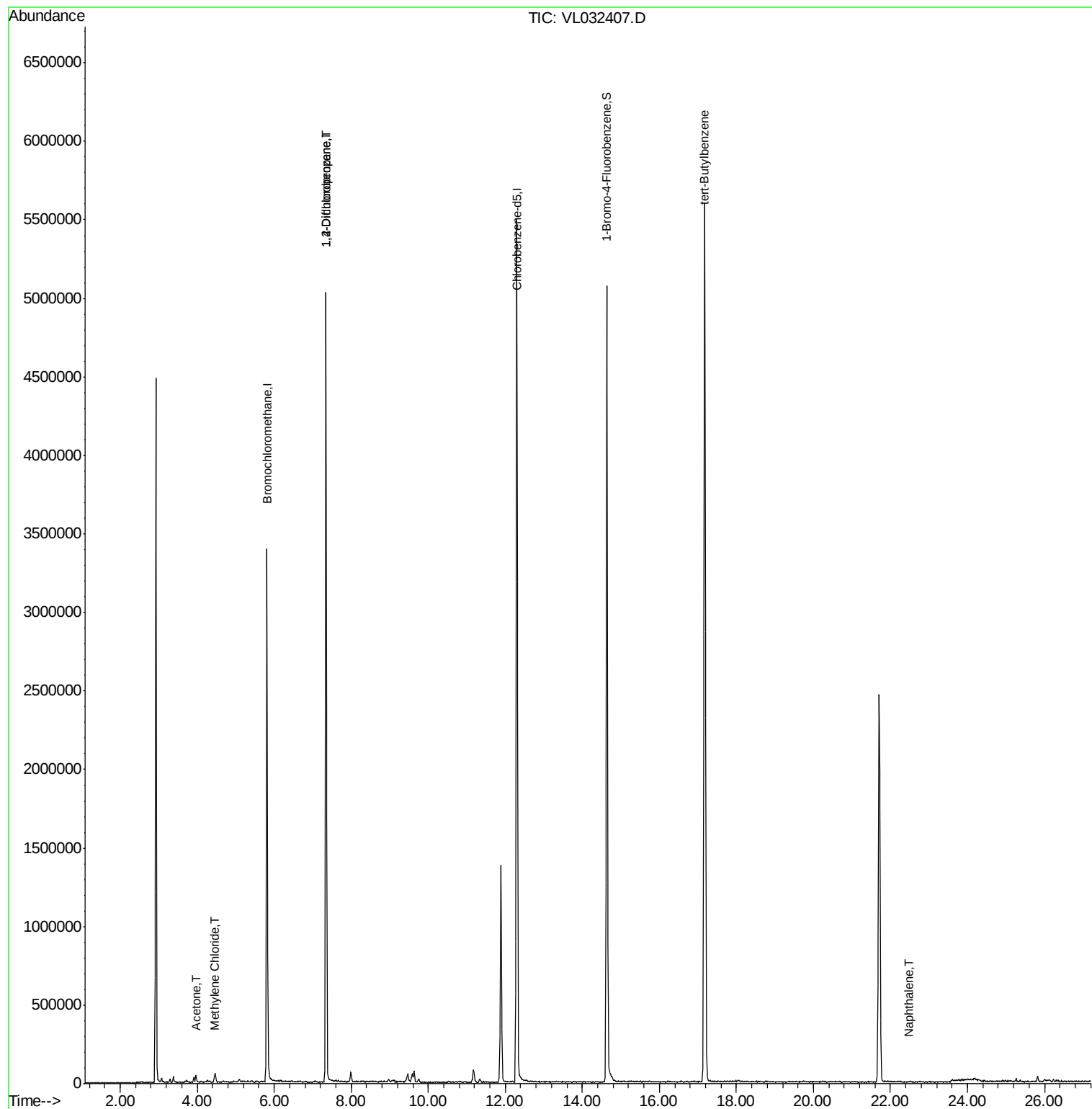
Target Compounds	R.T.	QIon	Response	Ovalue
2) Dichlorodifluoromethane	3.12	85	151	Below Cal # 42
15) Acetone	3.96	43	44947	0.257 ppbv # 85
20) Methylene Chloride	4.45	84	6940	0.105 ppbv # 76
39) 1,2-Dichloropropane	7.34	63	956623	7.846 ppbv # 25
65) tert-Butylbenzene	17.16	119	40981	0.098 ppbv # 25
79) Naphthalene	22.48	128	540	0.329 ppbv # 34

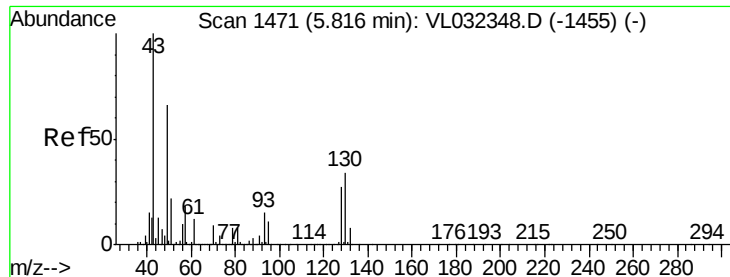
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.81 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VL032407.D

Acq: 20 Aug 2018 16:41

Instrument :

MSVOA_L

ClientSampleId :

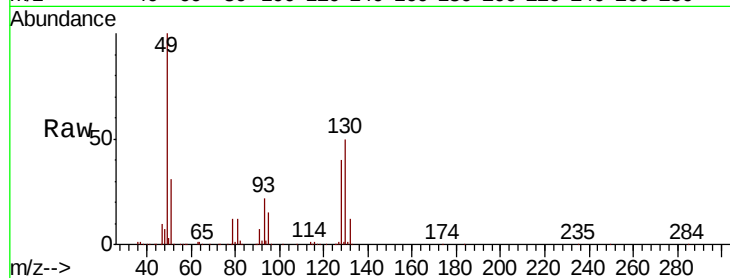
Tot Ion: 49 Resp: 1840920

Ion Ratio Lower Upper

49 100

128 40.7 20.5 61.6

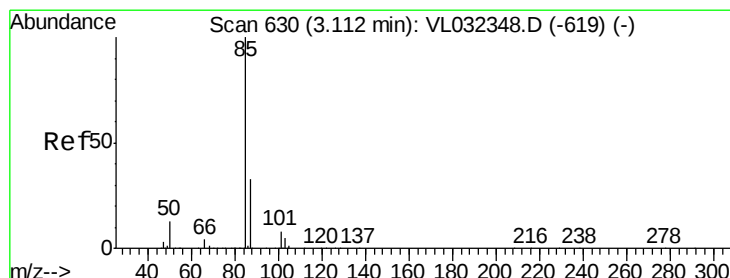
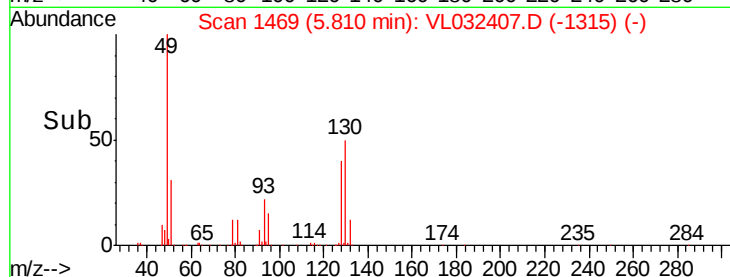
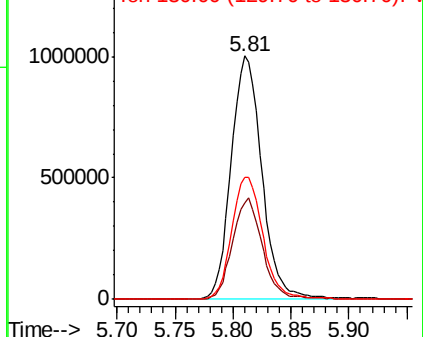
130 51.6 26.2 78.5



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: Below Cal

RT: 3.12 min Scan# 632

Delta R.T. 0.01 min

Lab File: VL032407.D

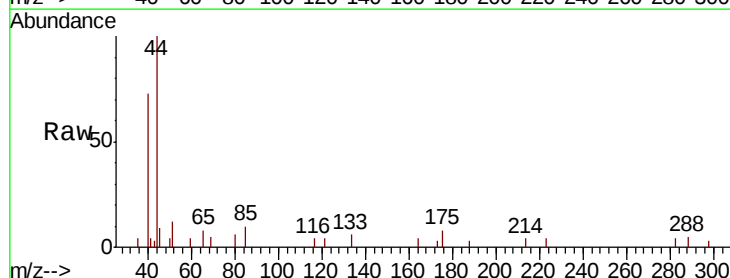
Acq: 20 Aug 2018 16:41

Tgt Ion: 85 Resp: 151

Ion Ratio Lower Upper

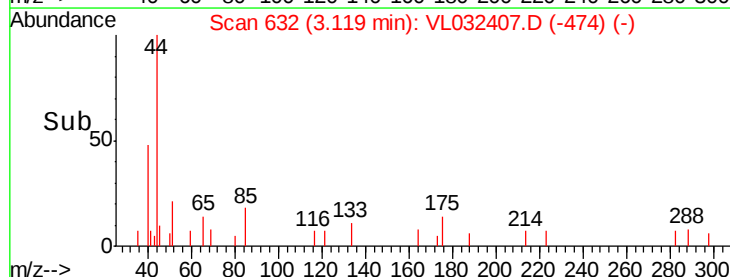
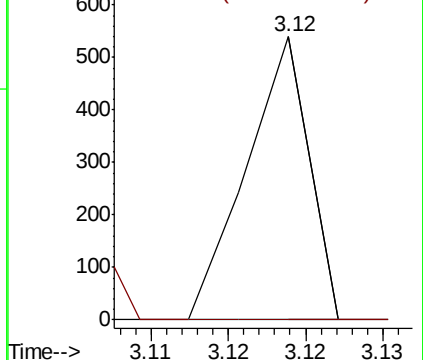
85 100

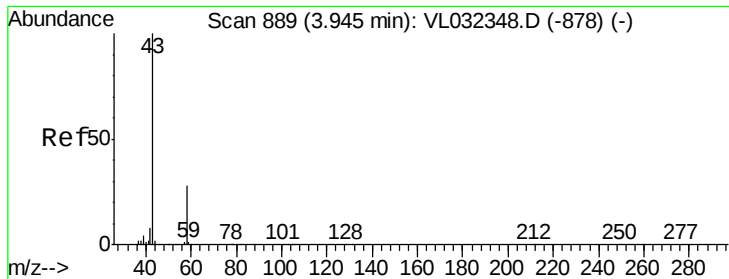
87 0.0 26.3 39.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#15

Acetone

Concen: 0.257 ppbv

RT: 3.96 min Scan# 894

Delta R.T. 0.02 min

Lab File: VL032407.D

Acq: 20 Aug 2018 16:41

Instrument :

MSVOA_L

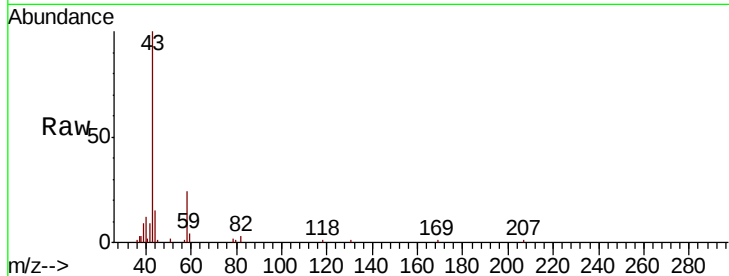
ClientSampleId :

Tot Ion: 43 Resp: 44947

Ion Ratio Lower Upper

43 100

58 35.8 22.4 33.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

30000

25000

20000

15000

10000

5000

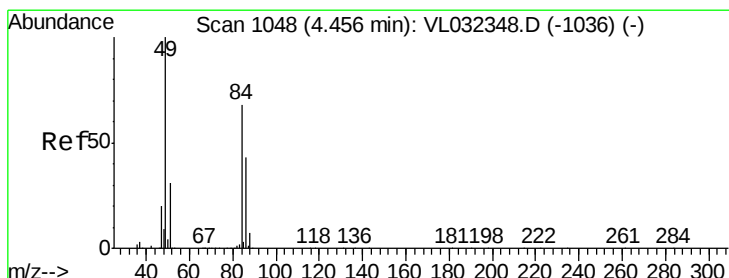
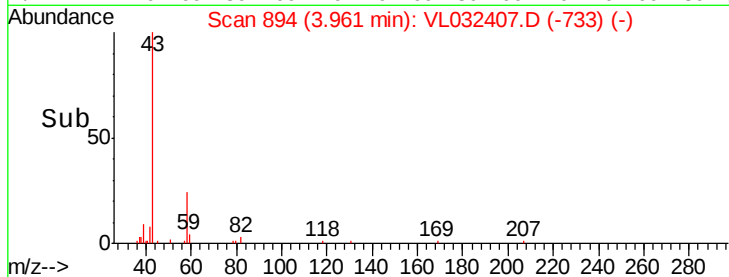
0

Time-->

3.90

3.95

4.00



#20

Methylene Chloride

Concen: 0.105 ppbv

RT: 4.45 min Scan# 1045

Delta R.T. -0.01 min

Lab File: VL032407.D

Acq: 20 Aug 2018 16:41

Tgt Ion: 84 Resp: 6940

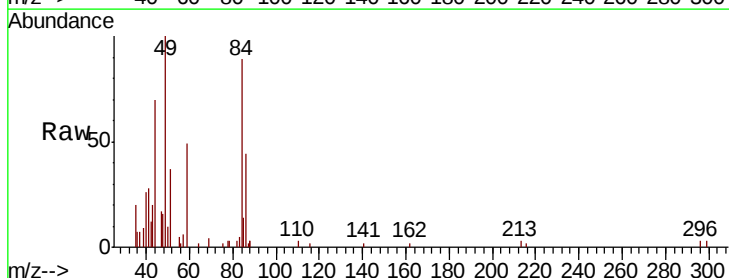
Ion Ratio Lower Upper

84 100

49 106.8 117.3 175.9#

51 41.7 36.6 55.0

86 48.9 49.8 74.8#



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

15000

10000

5000

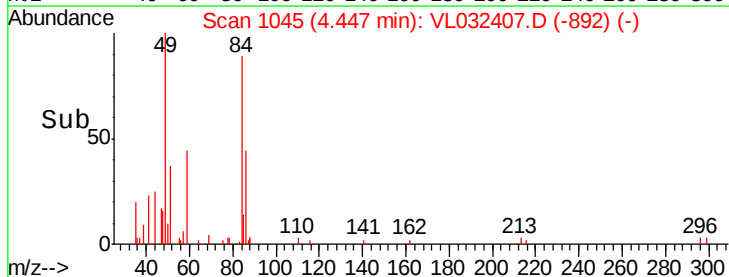
0

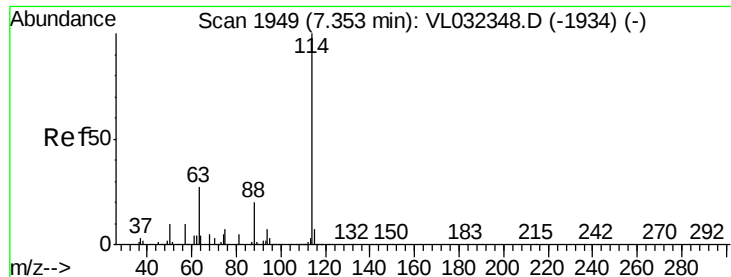
Time-->

4.42

4.44

4.46



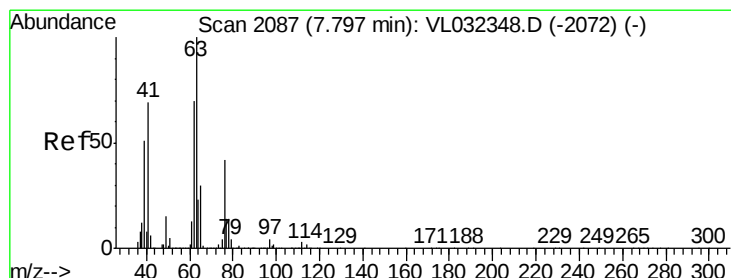
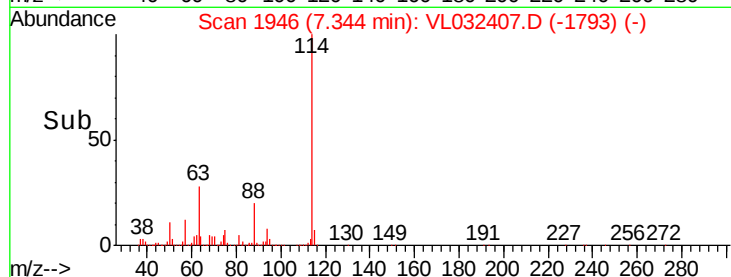
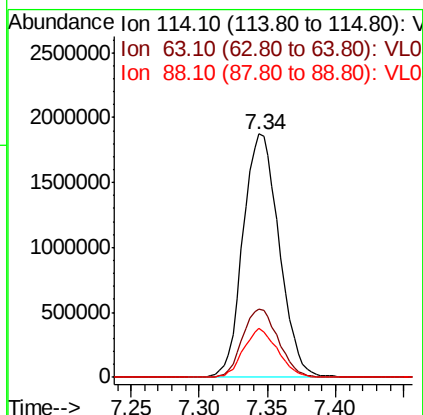
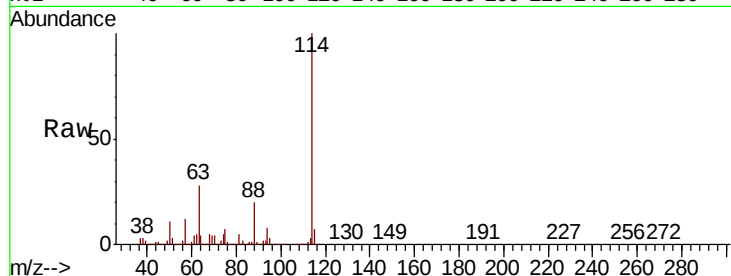


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.34 min Scan# 1946
 Delta R.T. -0.01 min
 Lab File: VL032407.D
 Acq: 20 Aug 2018 16:41

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:114 Resp: 3442952

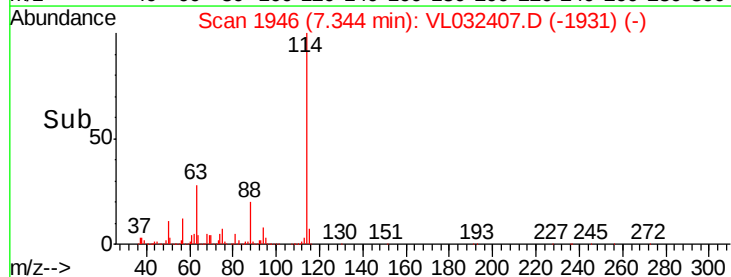
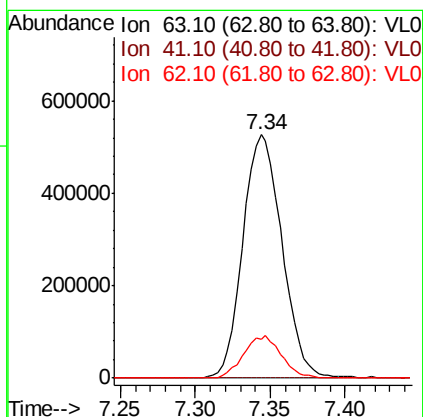
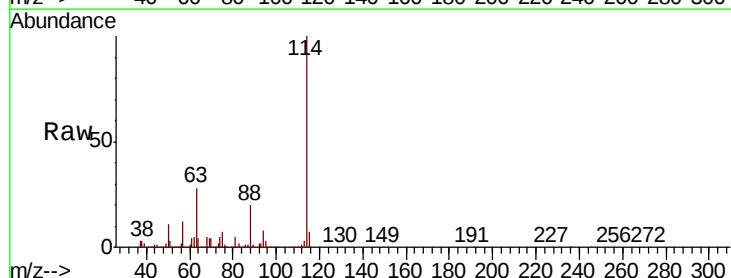
Ion	Ratio	Lower	Upper
114	100		
63	28.0	22.0	33.0
88	19.1	15.3	22.9

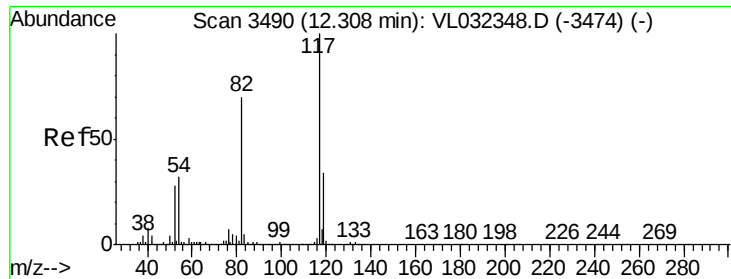


#39
 1,2-Dichloropropane
 Concen: 7.846 ppbv
 RT: 7.34 min Scan# 1946
 Delta R.T. -0.45 min
 Lab File: VL032407.D
 Acq: 20 Aug 2018 16:41

Tgt Ion: 63 Resp: 956623

Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.5	83.3#
62	16.1	56.3	84.5#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.30 min Scan# 3487

Delta R.T. -0.01 min

Lab File: VL032407.D

Acq: 20 Aug 2018 16:41

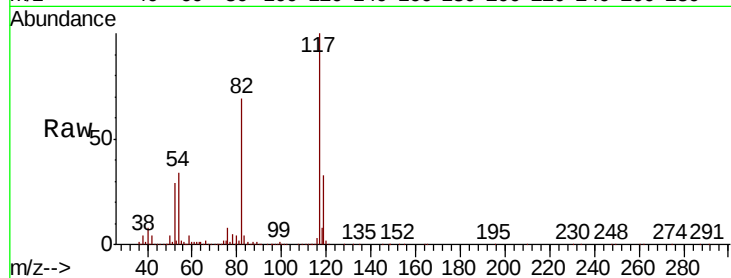
Instrument :

MSVOA_L

ClientSampleId :

Tot Ion:117 Resp: 3426616

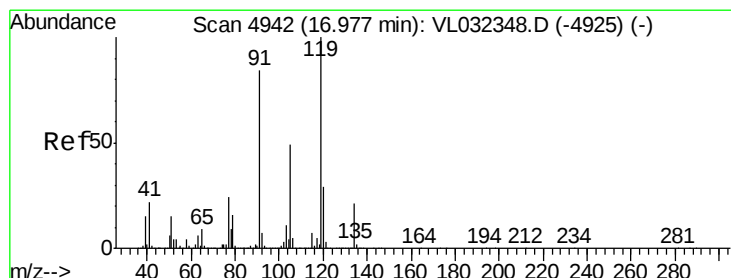
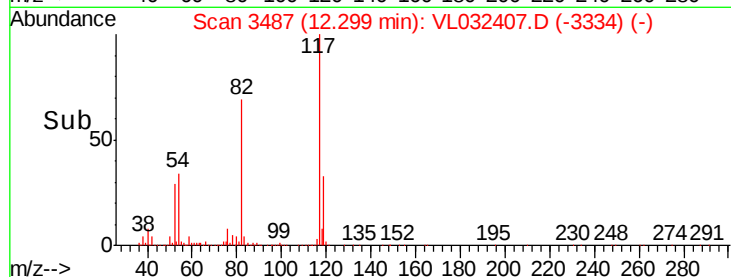
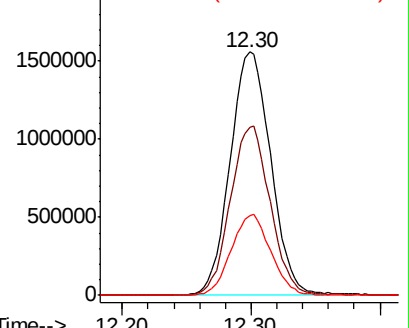
Ion	Ratio	Lower	Upper
117	100		
82	68.8	55.1	82.7
119	32.6	46.0	69.0#



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



#65

tert-Butylbenzene

Concen: 0.098 ppbv

RT: 17.16 min Scan# 4999

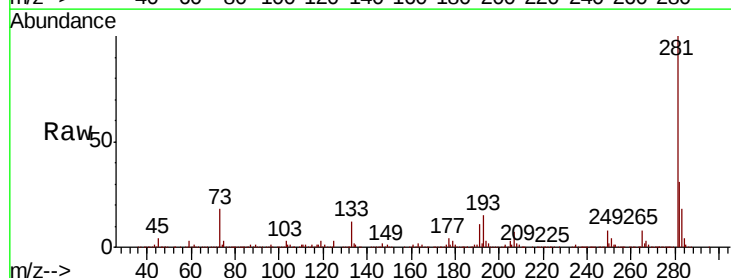
Delta R.T. 0.18 min

Lab File: VL032407.D

Acq: 20 Aug 2018 16:41

Tgt Ion:119 Resp: 40981

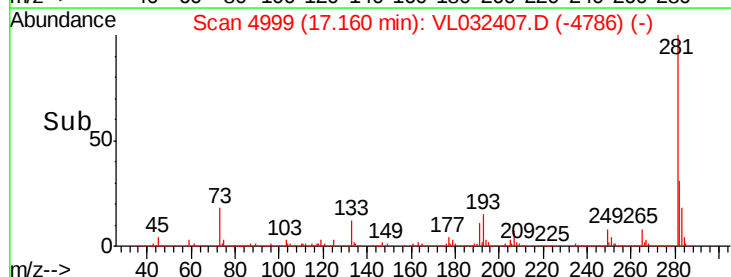
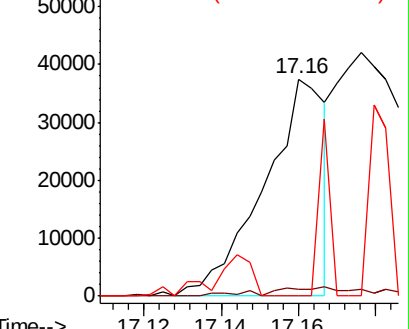
Ion	Ratio	Lower	Upper
119	100		
91	9.5	67.4	101.0#
134	0.0	15.8	23.6#

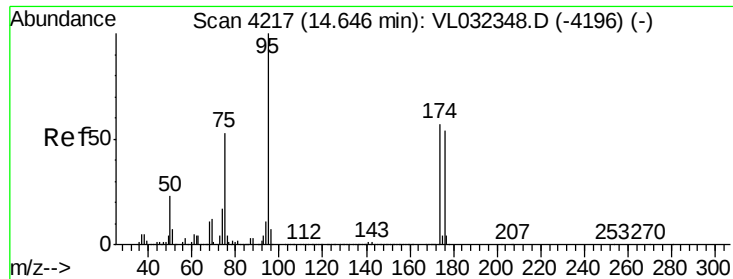


Abundance Ion 119.20 (118.90 to 119.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 134.20 (133.90 to 134.90): V

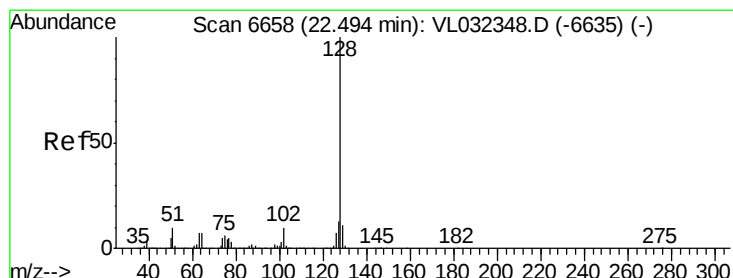
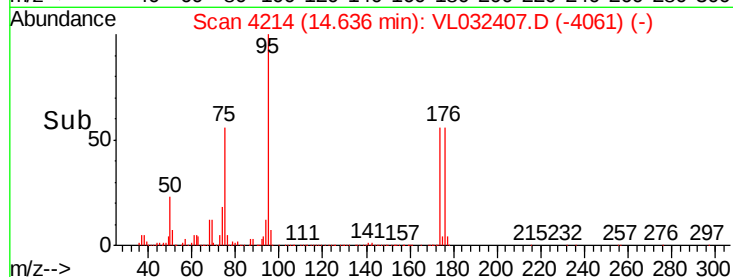
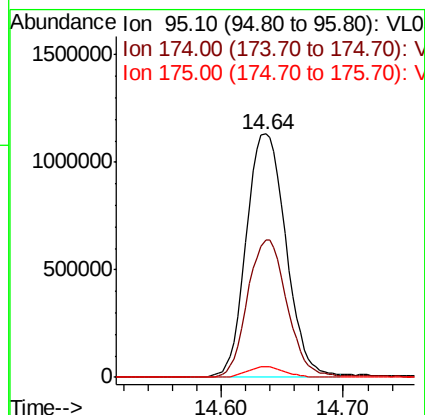
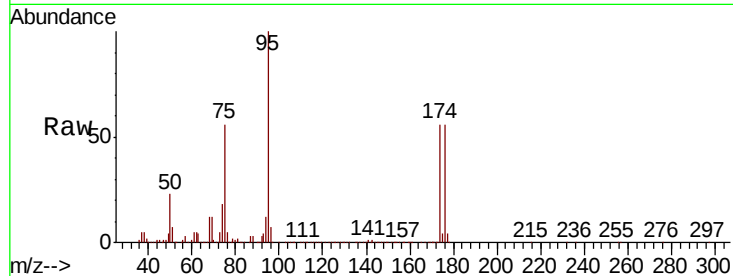




#68
1-Bromo-4-Fluorobenzene
Concen: 9.745 ppbv
RT: 14.64 min Scan# 4214
Delta R.T. -0.01 min
Lab File: VL032407.D
Acq: 20 Aug 2018 16:41

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 95 Resp: 2547675
Ion Ratio Lower Upper
95 100
174 57.1 46.2 69.4
175 4.1 3.4 5.0



#79
Naphthalene
Concen: 0.329 ppbv
RT: 22.48 min Scan# 6654
Delta R.T. -0.01 min
Lab File: VL032407.D
Acq: 20 Aug 2018 16:41

Tgt Ion: 128 Resp: 540
Ion Ratio Lower Upper
128 100
127 51.5 10.3 15.5#
129 0.0 8.6 13.0#

