

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033931.D
 Acq On : 24 Jun 2019 11:02
 Operator : SY/AP
 Sample : VL0624ABL01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VL0624ABL01

Quant Time: Jun 25 03:37:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL060719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 07 08:53:27 2019
 QLast Update : Fri Jun 07 08:53:27 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.74	49	1029793	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.26	114	2292194	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	2459066	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.54	95	1824026	9.03	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.30%

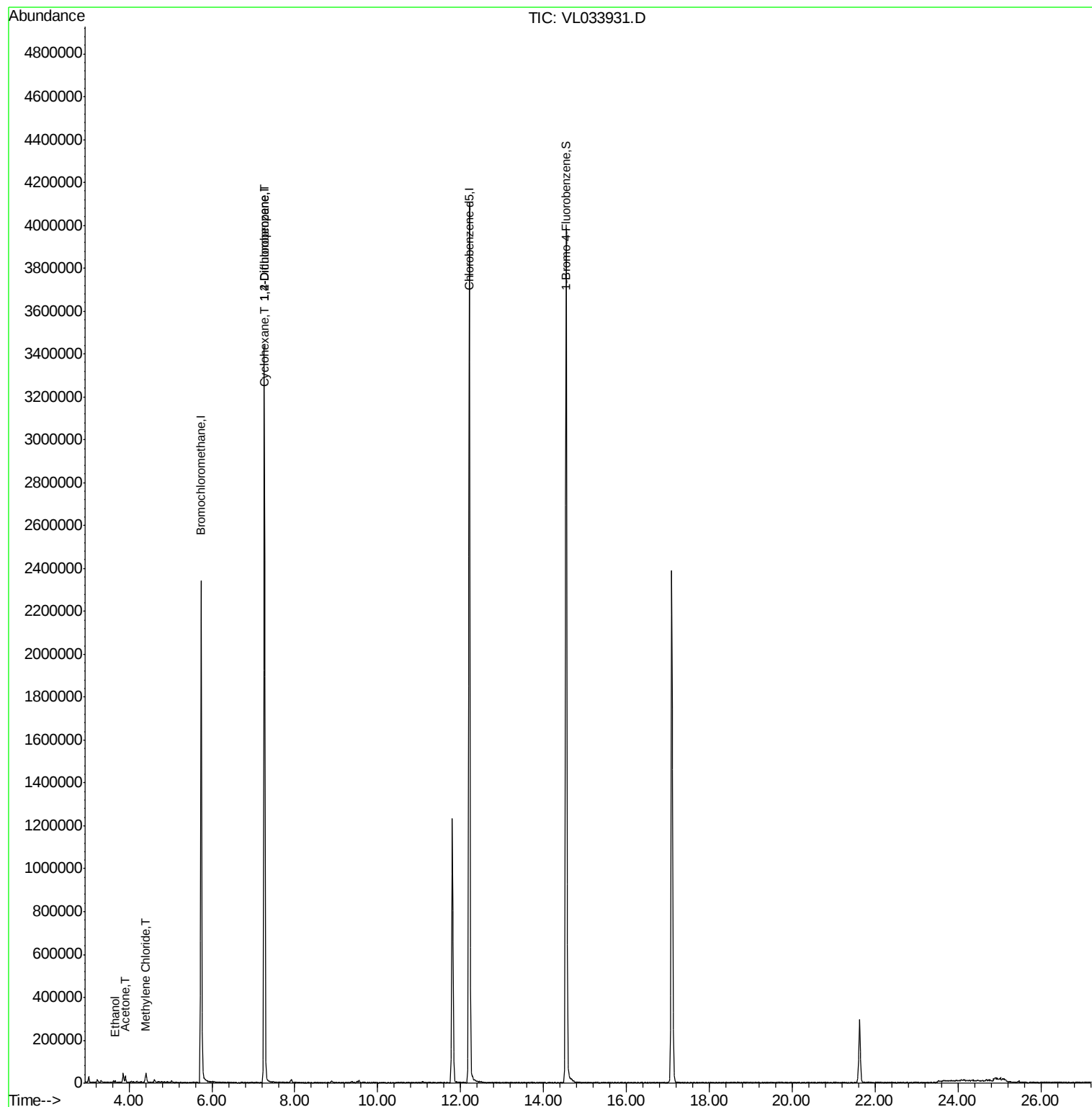
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.65	45	516	0.035	ppbv #	37
15) Acetone	3.91	43	29266	0.195	ppbv	94
20) Methylene Chloride	4.39	84	3129	0.053	ppbv #	83
30) Cyclohexane	7.25	84	3554	0.048	ppbv #	1
39) 1,2-Dichloropropane	7.26	63	601056	8.894	ppbv #	26

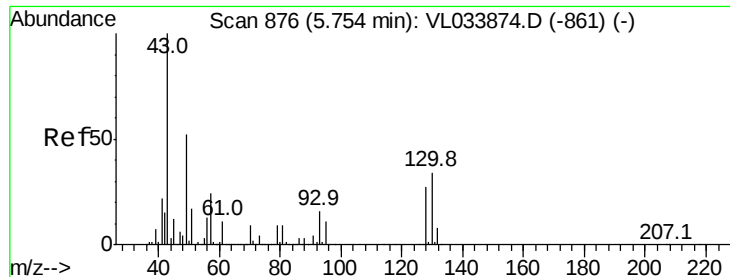
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL062419\
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QLast Update : Fri Jun 07 08:53:27 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 871

Delta R.T. -0.02 min

Lab File: VL033931.D

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Instrument :

MSVOA_L

ClientSampleId :

VL0624ABL01

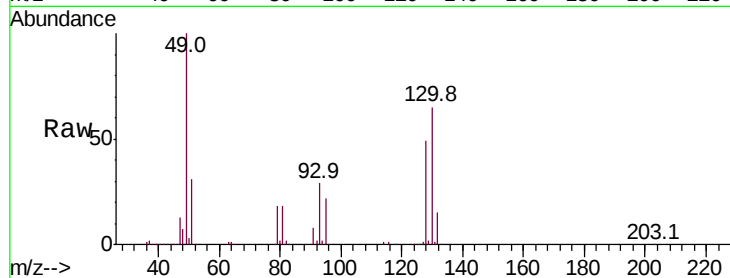
Tot Ion: 49 Resp: 1029793

Ion Ratio Lower Upper

49 100

128 50.8 25.5 76.5

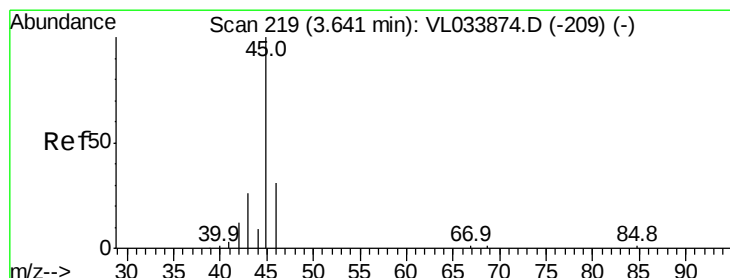
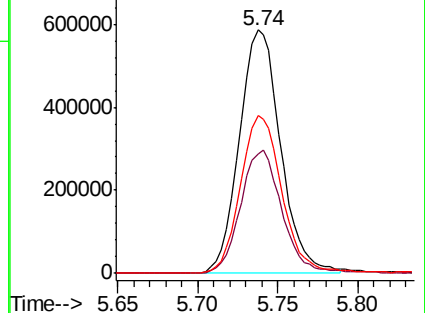
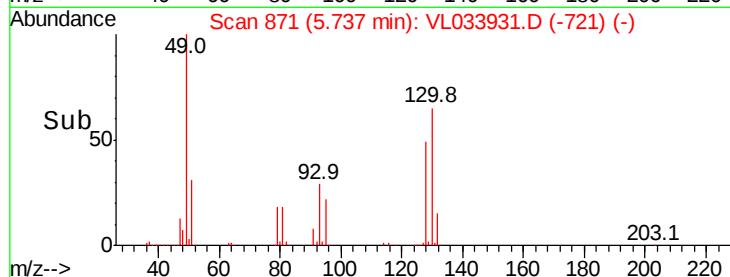
130 66.4 32.5 97.4



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



#13

Ethanol

Concen: 0.035 ppbv

RT: 3.65 min Scan# 221

Delta R.T. 0.01 min

Lab File: VL033931.D

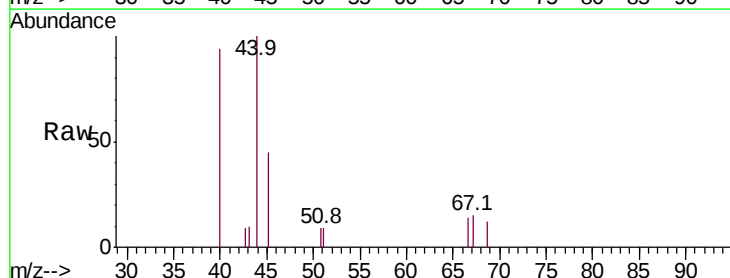
Acq: 24 Jun 2019 11:02

Tgt Ion: 45 Resp: 516

Ion Ratio Lower Upper

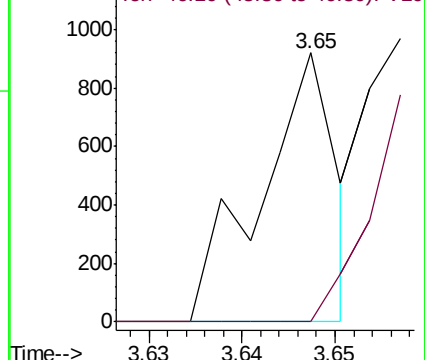
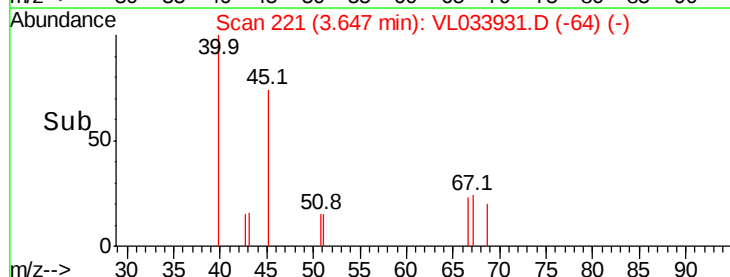
45 100

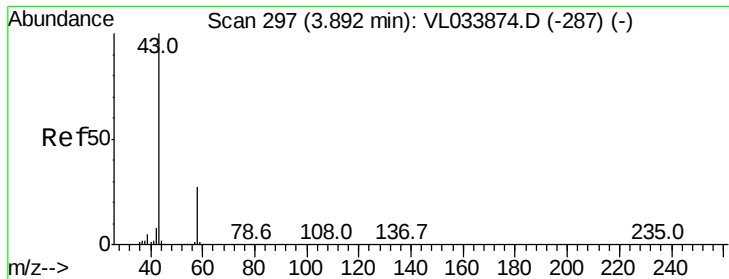
46 0.0 15.3 61.1#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

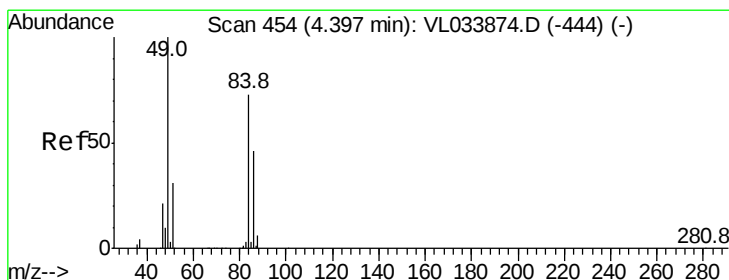
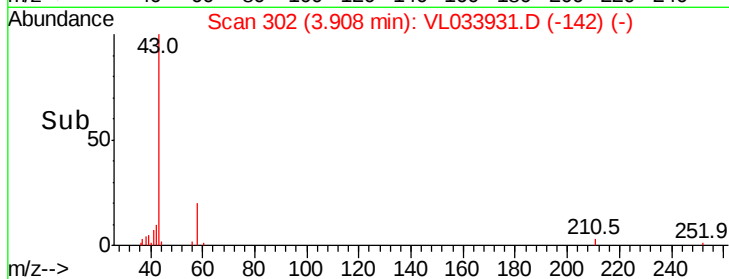
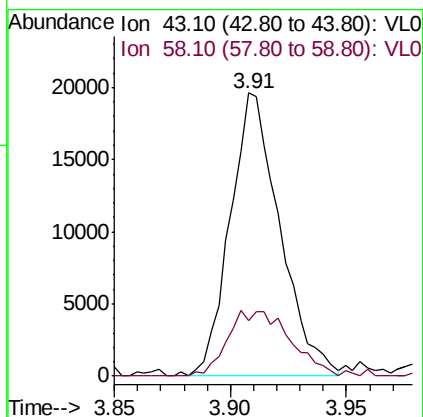
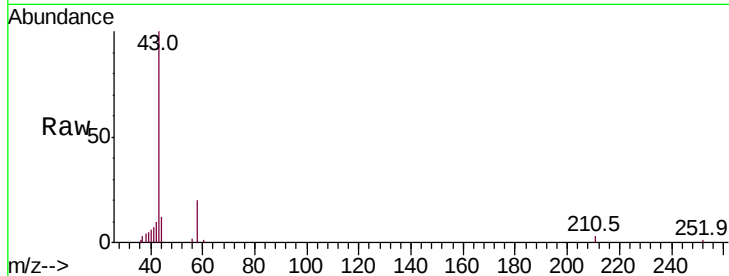




#15
Acetone
Concen: 0.195 ppbv
RT: 3.91 min Scan# 302
Delta R.T. 0.02 min
Lab File: VL033931.D
Acq: 24 Jun 2019 11:02

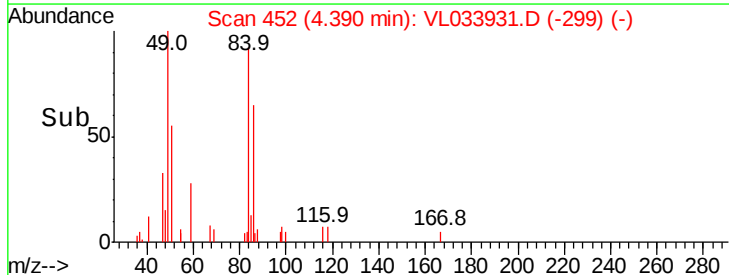
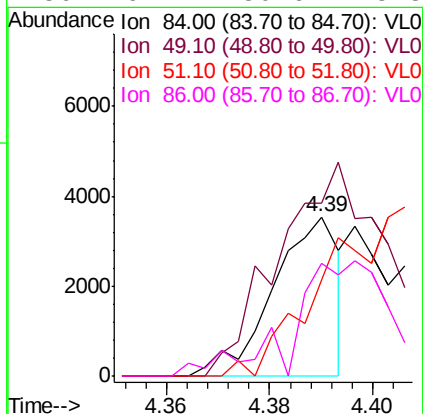
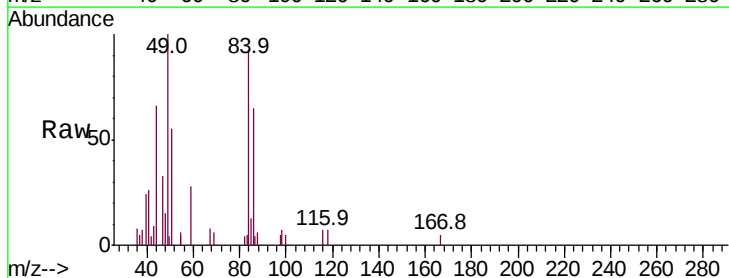
Instrument :
MSVOA_L
ClientSampleId :
VL0624ABL01

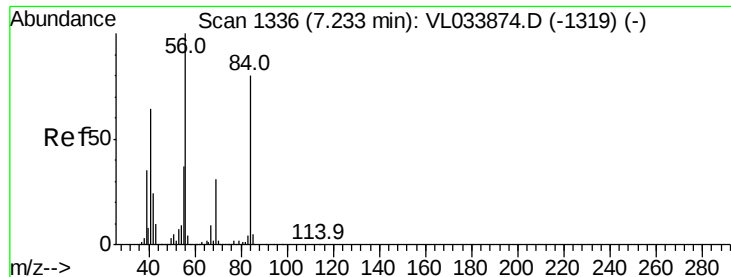
Tot Ion: 43 Resp: 29266
Ion Ratio Lower Upper
43 100
58 29.6 21.3 31.9



#20
Methylene Chloride
Concen: 0.053 ppbv
RT: 4.39 min Scan# 452
Delta R.T. -0.01 min
Lab File: VL033931.D
Acq: 24 Jun 2019 11:02

Tgt Ion: 84 Resp: 3129
Ion Ratio Lower Upper
84 100
49 113.3 110.0 165.0
51 60.1 34.6 51.8#
86 67.2 50.6 75.8

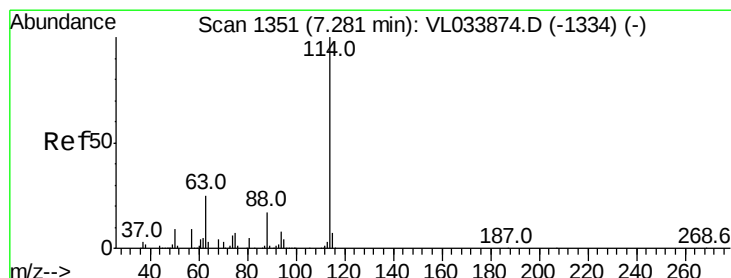
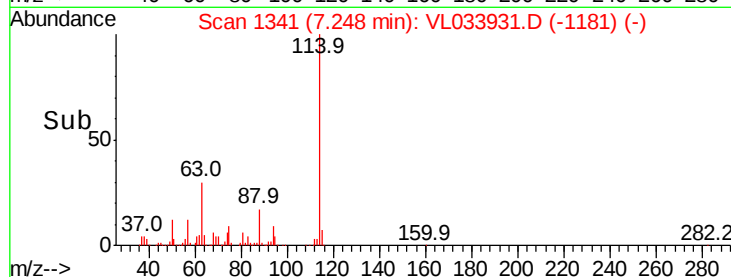
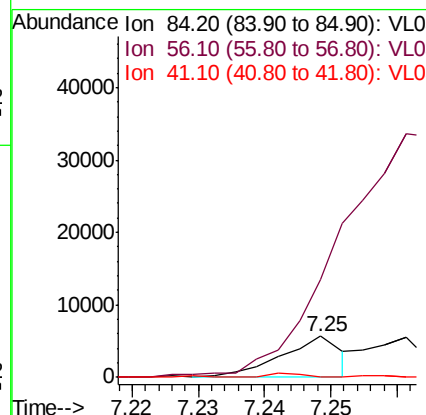
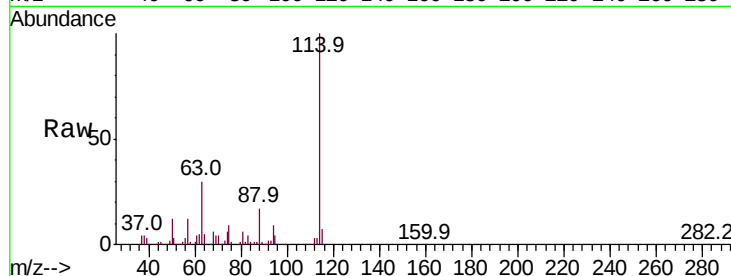




#30
Cvclohexane
Concen: 0.048 ppbv
RT: 7.25 min Scan# 1341
Delta R.T. 0.02 min
Lab File: VL033931.D
Acq: 24 Jun 2019 11:02

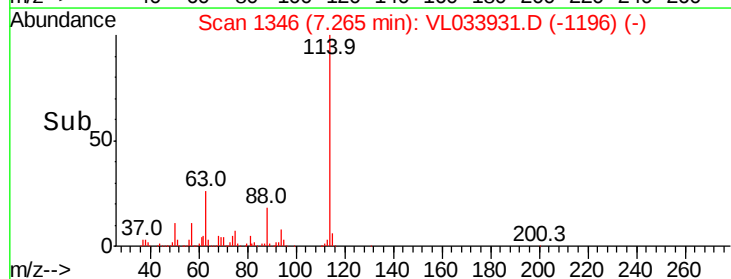
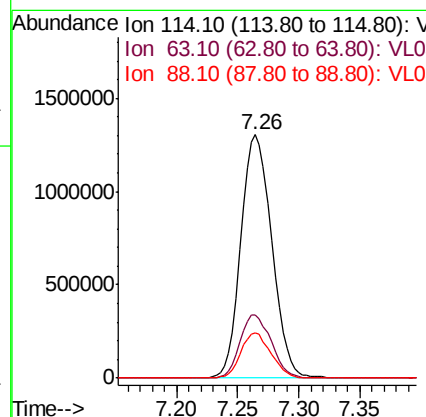
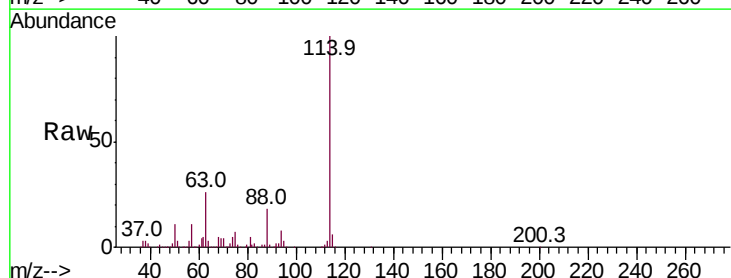
Instrument :
MSVOA_L
ClientSampleId :
VL0624ABL01

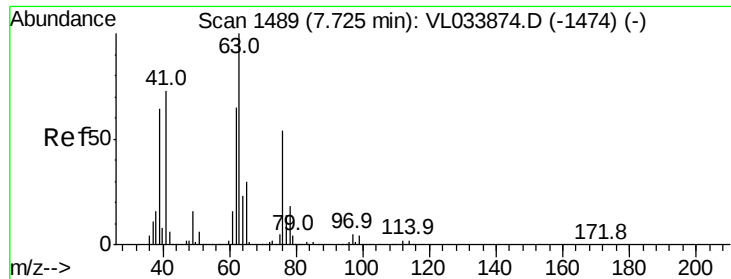
Tot Ion: 84 Resp: 3554
Ion Ratio Lower Upper
84 100
56 0.0 105.8 158.8#
41 9.2 65.7 98.5#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.26 min Scan# 1346
Delta R.T. -0.02 min
Lab File: VL033931.D
Acq: 24 Jun 2019 11:02

Tgt Ion:114 Resp: 2292194
Ion Ratio Lower Upper
114 100
63 26.3 21.1 31.7
88 18.1 14.2 21.4





#39

1,2-Dichloropropane

Concen: 8.894 ppbv

RT: 7.26 min Scan# 1346

Delta R.T. -0.46 min

Lab File: VL033931.D

Acq: 24 Jun 2019 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABL01

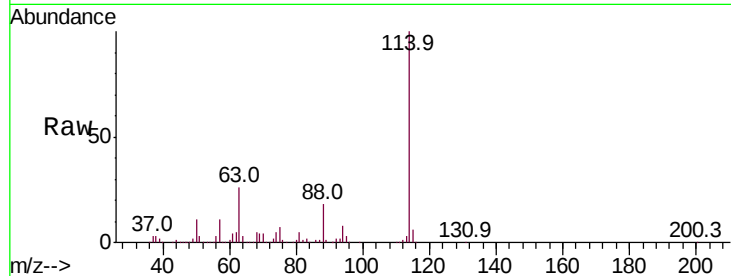
Tot Ion: 63 Resp: 601056

Ion Ratio Lower Upper

63 100

41 0.0 58.7 88.1#

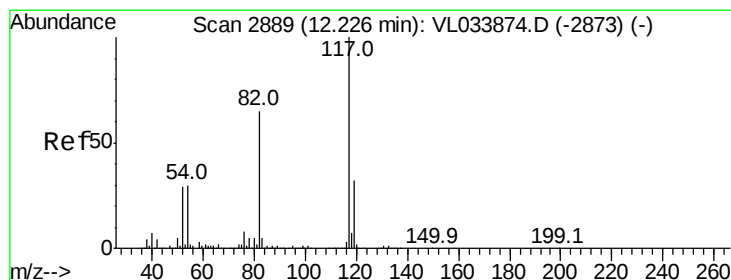
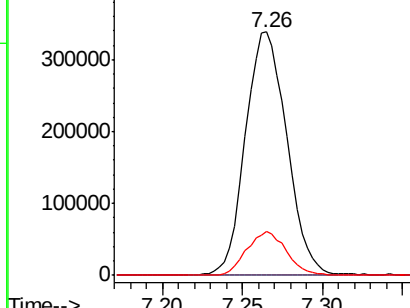
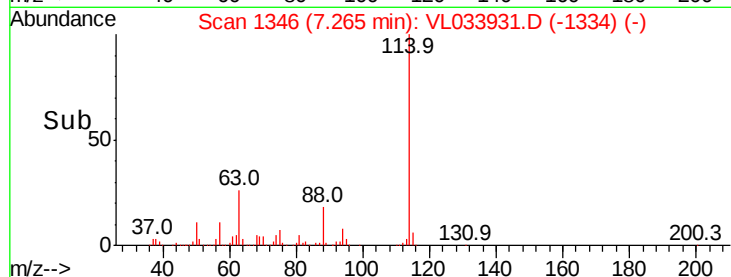
62 17.9 51.9 77.9#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.21 min Scan# 2883

Delta R.T. -0.02 min

Lab File: VL033931.D

Acq: 24 Jun 2019 11:02

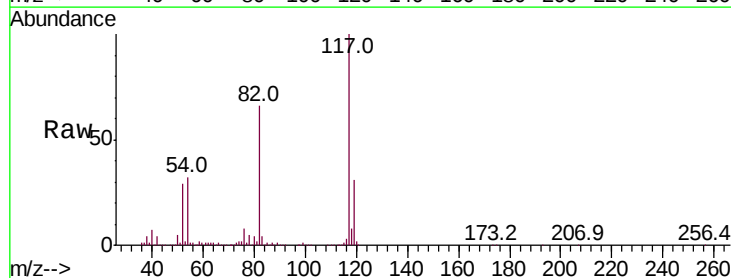
Tgt Ion: 117 Resp: 2459066

Ion Ratio Lower Upper

117 100

82 66.5 50.2 75.2

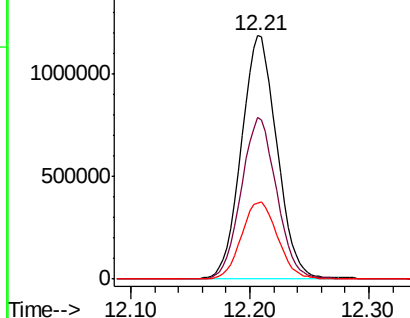
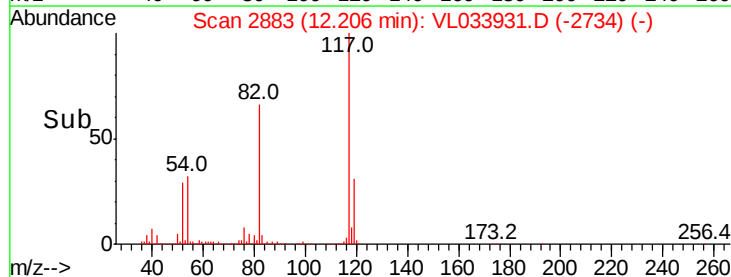
119 32.5 24.8 37.2

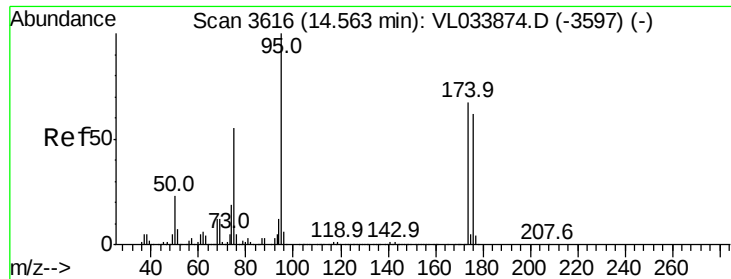


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.031 ppbv

RT: 14.54 min Scan# 3610

Delta R.T. -0.02 min

Lab File: VL033931.D

Acq: 24 Jun 2019 11:02

Instrument :

MSVOA_L

ClientSampleId :

VL0624ABL01

Tot Ion: 95 Resp: 1824026

Ion Ratio Lower Upper

95 100

174 66.5 54.0 81.0

175 4.8 3.8 5.8

