

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL062419\
 Data File : VL033958.D
 Acq On : 25 Jun 2019 5:14
 Operator : SY/AP
 Sample : OC061919 CAN 10305
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 QC061919 CAN 10305

Quant Time: Jun 25 06:38:08 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	797541	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.26	114	1903714	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.21	117	1827045	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.55	95	1493844	9.95	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%

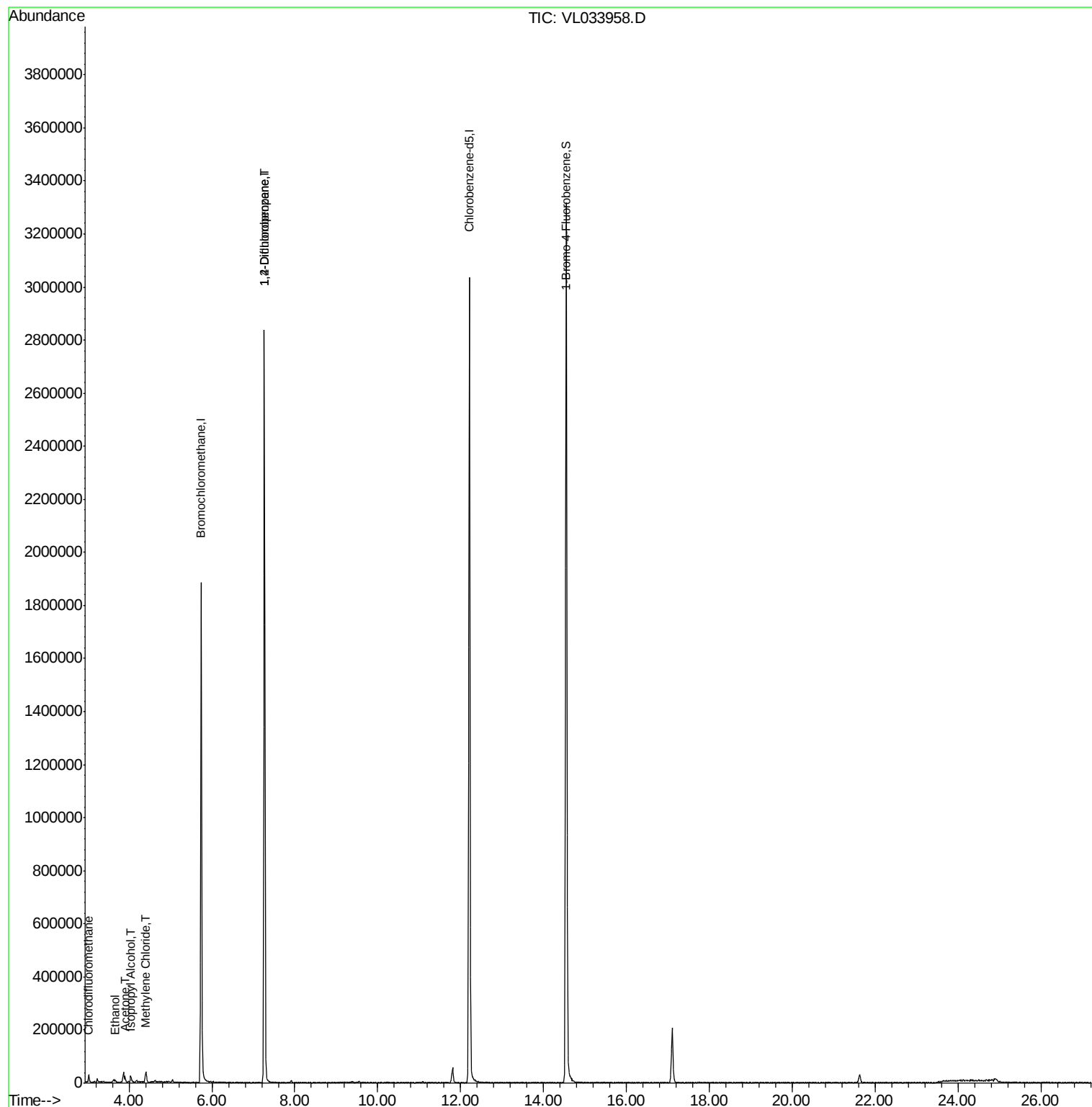
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.00	51	3206	0.034	ppbv	99
13) Ethanol	3.65	45	2641	0.231	ppbv #	37
15) Acetone	3.90	43	22050	0.190	ppbv	95
19) Isopropyl Alcohol	4.04	45	21061	0.317	ppbv #	86
20) Methylene Chloride	4.39	84	8605	0.190	ppbv	94
39) 1,2-Dichloropropane	7.26	63	485496	8.650	ppbv #	25

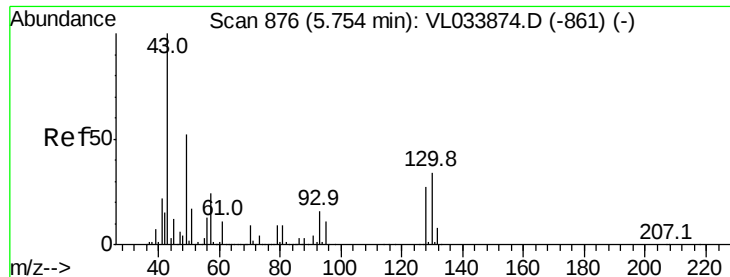
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.74 min Scan# 872

Delta R.T. -0.01 min

Lab File: VL033958.D

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MSVOA_L

ClientSampleId :

QC061919 CAN 10305

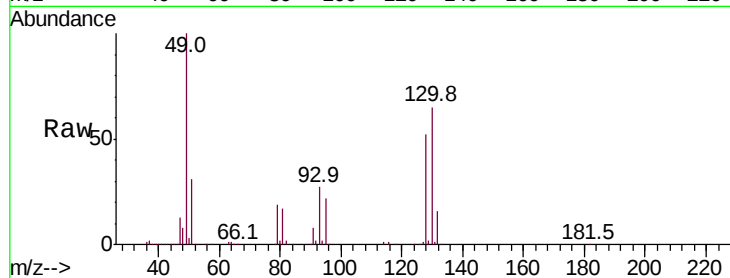
Tot Ion: 49 Resp: 797541

Ion Ratio Lower Upper

49 100

128 52.0 25.5 76.5

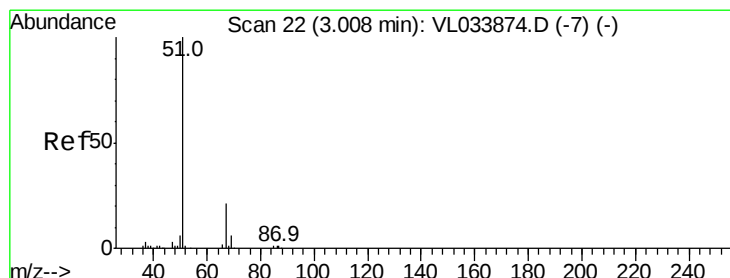
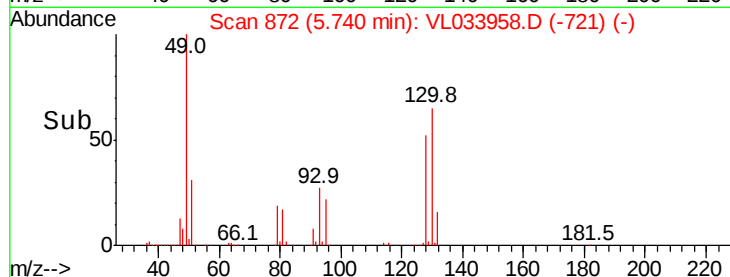
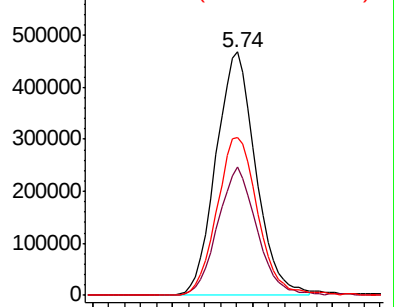
130 67.6 32.5 97.4



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



#3

Chlorodifluoromethane

Concen: 0.034 ppbv

RT: 3.00 min Scan# 21

Delta R.T. -0.00 min

Lab File: VL033958.D

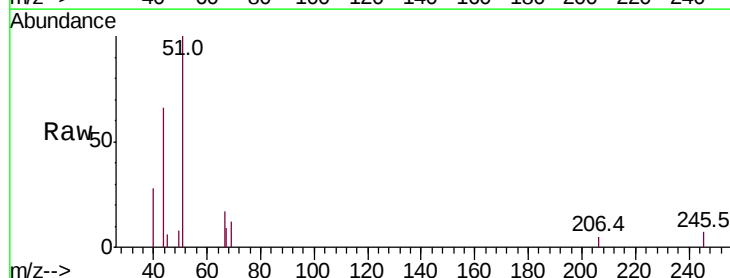
Acq: 25 Jun 2019 5:14

Tgt Ion: 51 Resp: 3206

Ion Ratio Lower Upper

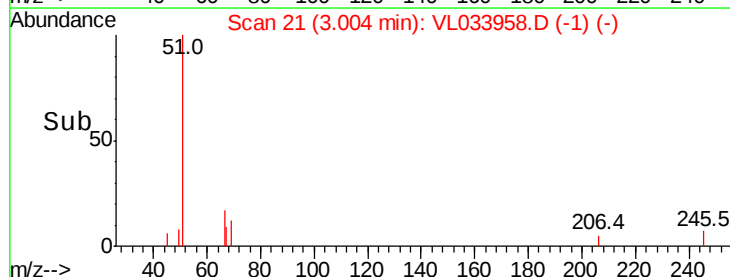
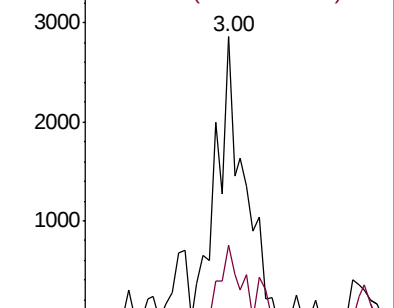
51 100

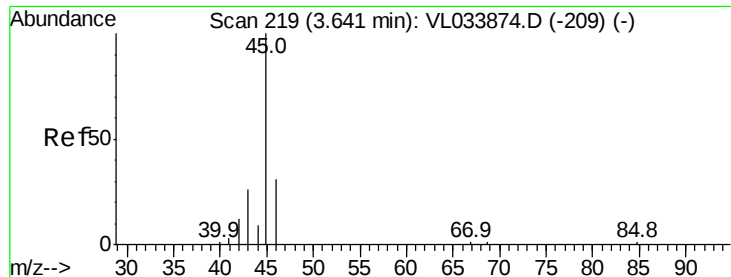
67 20.9 16.4 24.6



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#13

Ethanol

Concen: 0.231 ppbv

RT: 3.65 min Scan# 222

Delta R.T. 0.01 min

Lab File: VL033958.D

Acq: 25 Jun 2019 5:14

Instrument :

MSVOA_L

ClientSampleId :

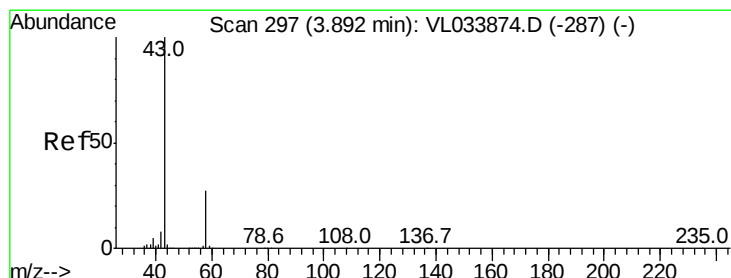
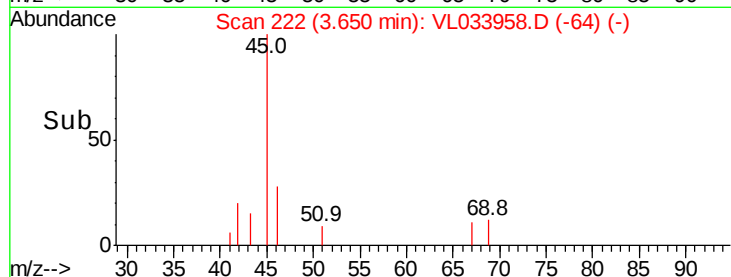
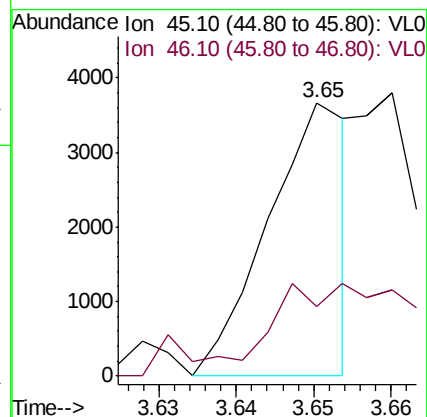
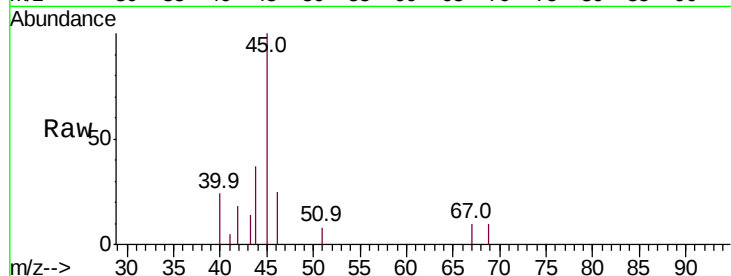
QC061919 CAN 10305

Tot Ion: 45 Resp: 2641

Ion Ratio Lower Upper

45 100

46 0.0 15.3 61.1#



#15

Acetone

Concen: 0.190 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.01 min

Lab File: VL033958.D

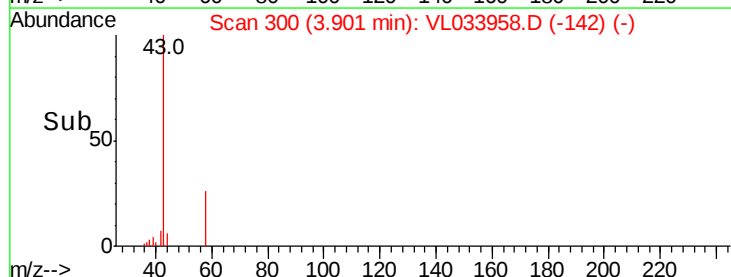
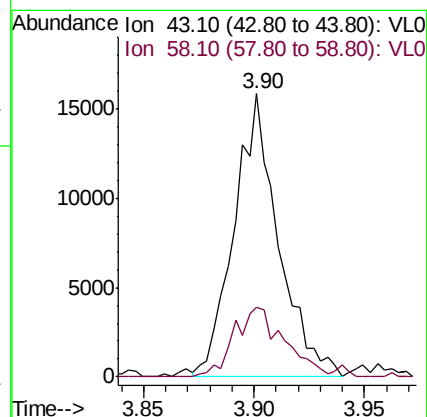
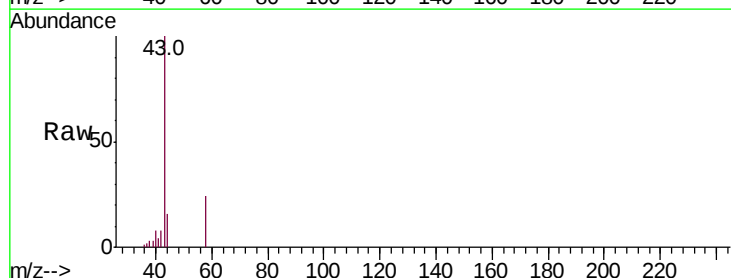
Acq: 25 Jun 2019 5:14

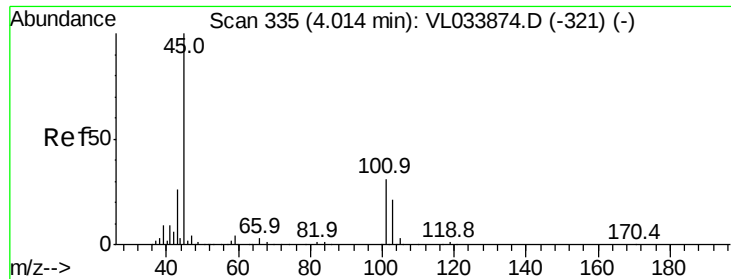
Tgt Ion: 43 Resp: 22050

Ion Ratio Lower Upper

43 100

58 29.1 21.3 31.9





#19

Isopropyl Alcohol

Concen: 0.317 ppbv

RT: 4.04 min Scan# 343

Delta R.T. 0.03 min

Lab File: VL033958.D

Acq: 25 Jun 2019 5:14

Instrument :

MSVOA_L

ClientSampleId :

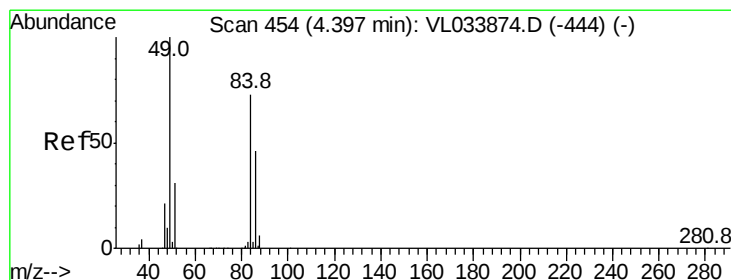
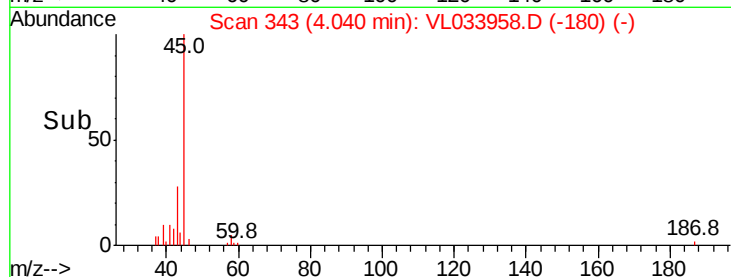
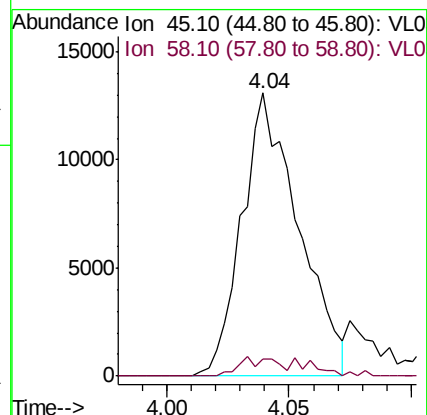
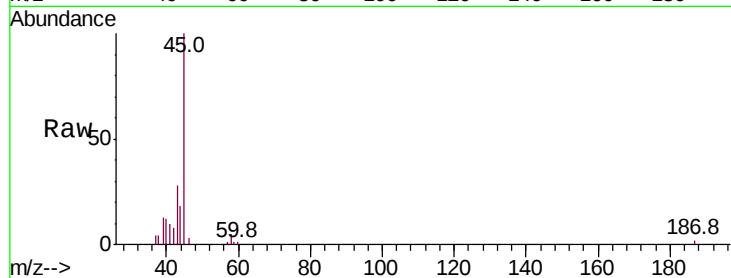
QC061919 CAN 10305

Tot Ion: 45 Resp: 21061

Ion Ratio Lower Upper

45 100

58 7.2 1.8 2.6#



#20

Methylene Chloride

Concen: 0.190 ppbv

RT: 4.39 min Scan# 453

Delta R.T. -0.00 min

Lab File: VL033958.D

Acq: 25 Jun 2019 5:14

Tgt Ion: 84 Resp: 8605

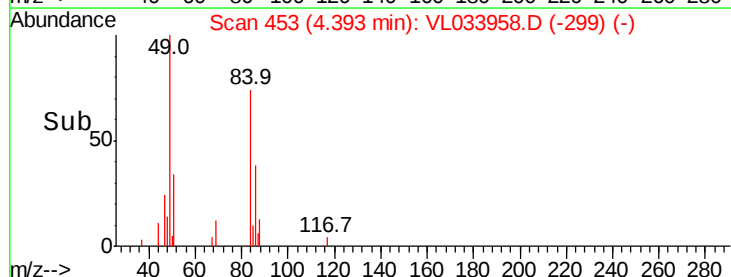
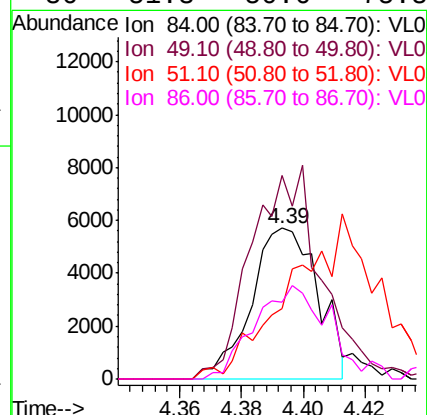
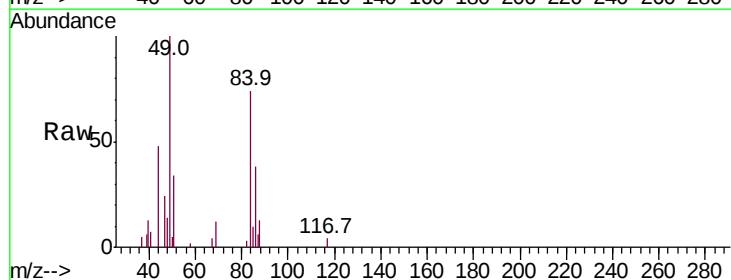
Ion Ratio Lower Upper

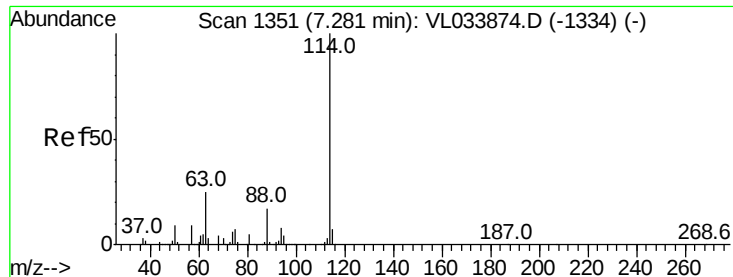
84 100

49 135.4 110.0 165.0

51 46.7 34.6 51.8

86 51.3 50.6 75.8

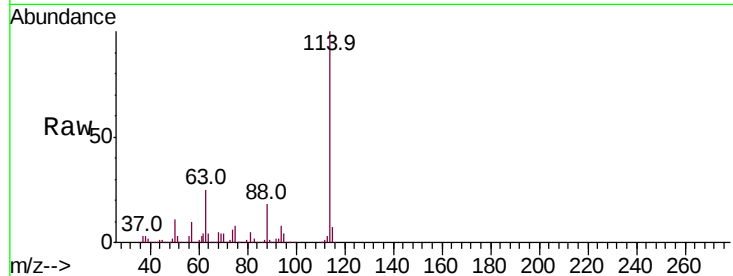




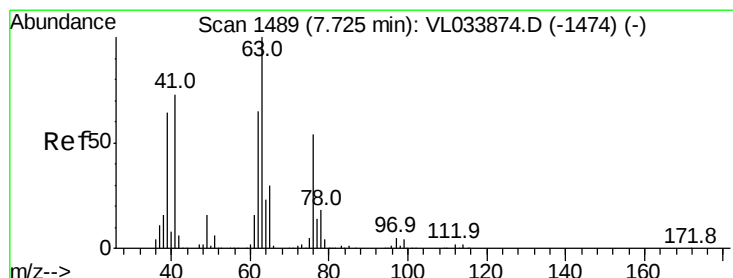
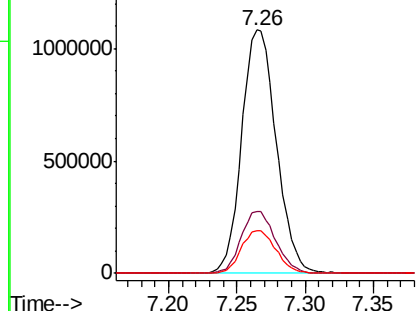
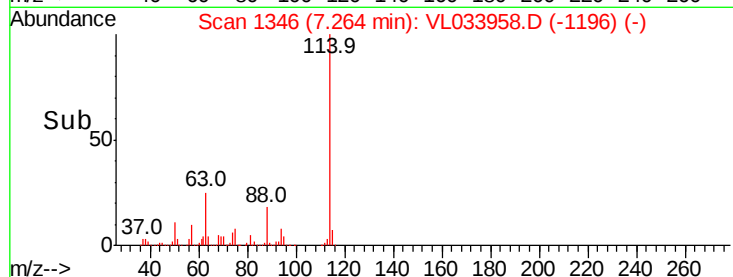
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.26 min Scan# 1346
 Delta R.T. -0.02 min
 Lab File: VL033958.D
 Acq: 25 Jun 2019 5:14

Instrument :
 MSVOA_L
 ClientSampleId :
 QC061919 CAN 10305

Tot Ion:114 Resp: 1903714
 Ion Ratio Lower Upper
 114 100
 63 25.6 21.1 31.7
 88 17.7 14.2 21.4

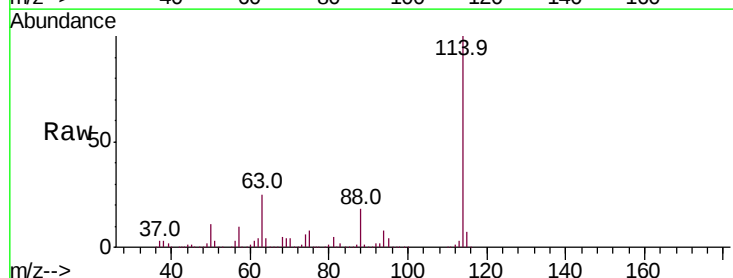


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

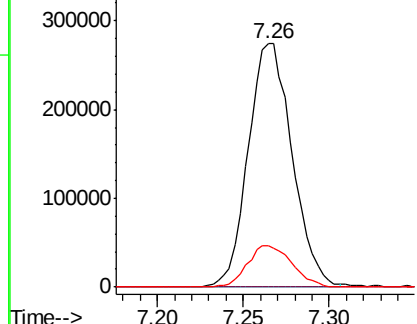
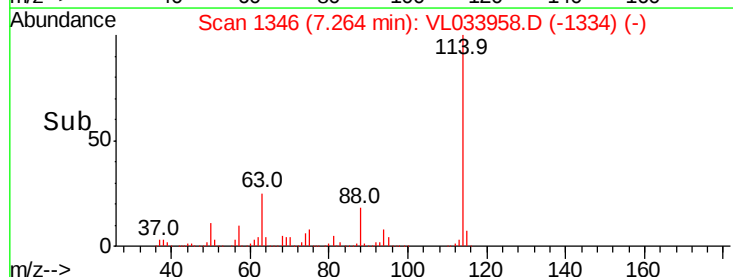


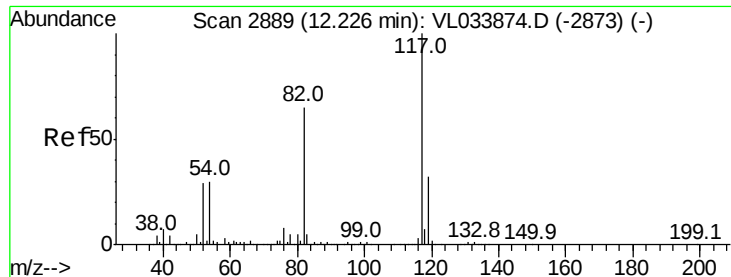
#39
 1,2-Dichloropropane
 Concen: 8.650 ppbv
 RT: 7.26 min Scan# 1346
 Delta R.T. -0.46 min
 Lab File: VL033958.D
 Acq: 25 Jun 2019 5:14

Tgt Ion: 63 Resp: 485496
 Ion Ratio Lower Upper
 63 100
 41 0.0 58.7 88.1#
 62 16.9 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

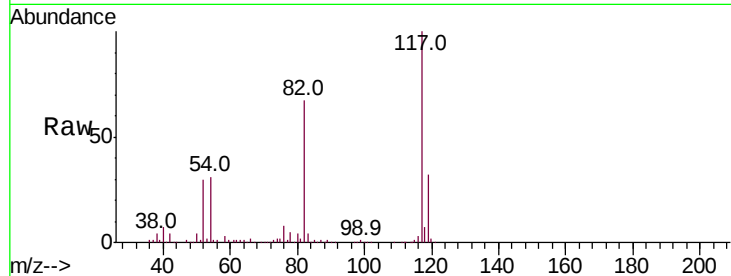




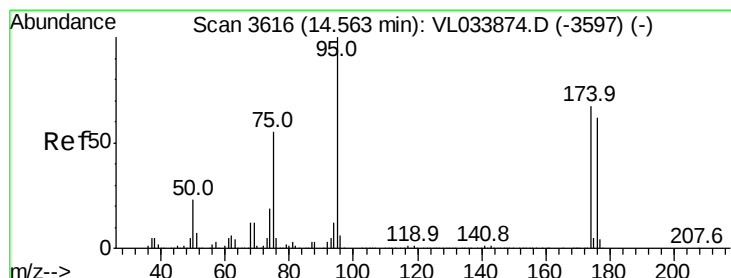
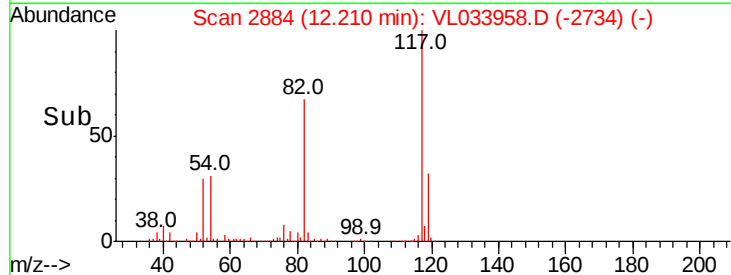
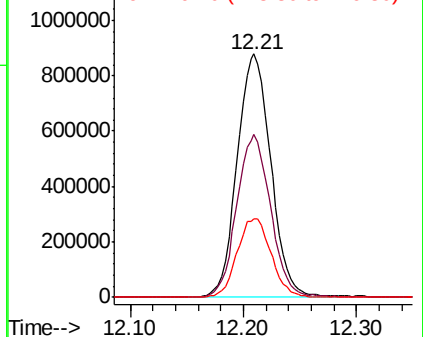
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.21 min Scan# 2884
Delta R.T. -0.02 min
Lab File: VL033958.D
Acq: 25 Jun 2019 5:14

Instrument :
MSVOA_L
ClientSampleId :
QC061919 CAN 10305

Tot Ion:117 Resp: 1827045
Ion Ratio Lower Upper
117 100
82 67.3 50.2 75.2
119 33.0 24.8 37.2

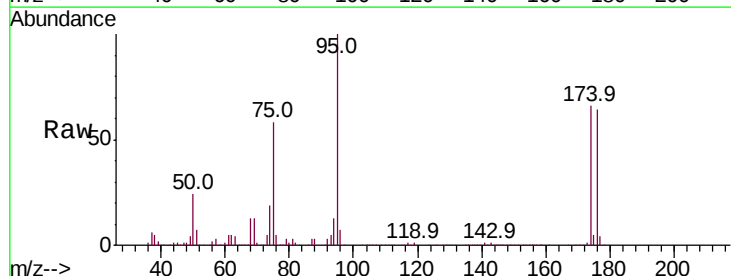


Abundance Ion 117.10 (116.80 to 117.80): V
1200000
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.954 ppbv
RT: 14.55 min Scan# 3611
Delta R.T. -0.02 min
Lab File: VL033958.D
Acq: 25 Jun 2019 5:14

Tgt Ion: 95 Resp: 1493844
Ion Ratio Lower Upper
95 100
174 67.2 54.0 81.0
175 4.8 3.8 5.8



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

