

Data File : VL033099.D
Acq On : 16 Jan 2019 19:43
Operator : SY/AP
Sample : QC011419 CAN 10325
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
QC011419 CAN 10325

Quant Time: Jan 17 01:55:06 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL010419AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jan 04 16:09:05 2019
QLast Update : Fri Jan 04 16:09:05 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	974122	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	2285485	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	2281658	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1736844	9.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

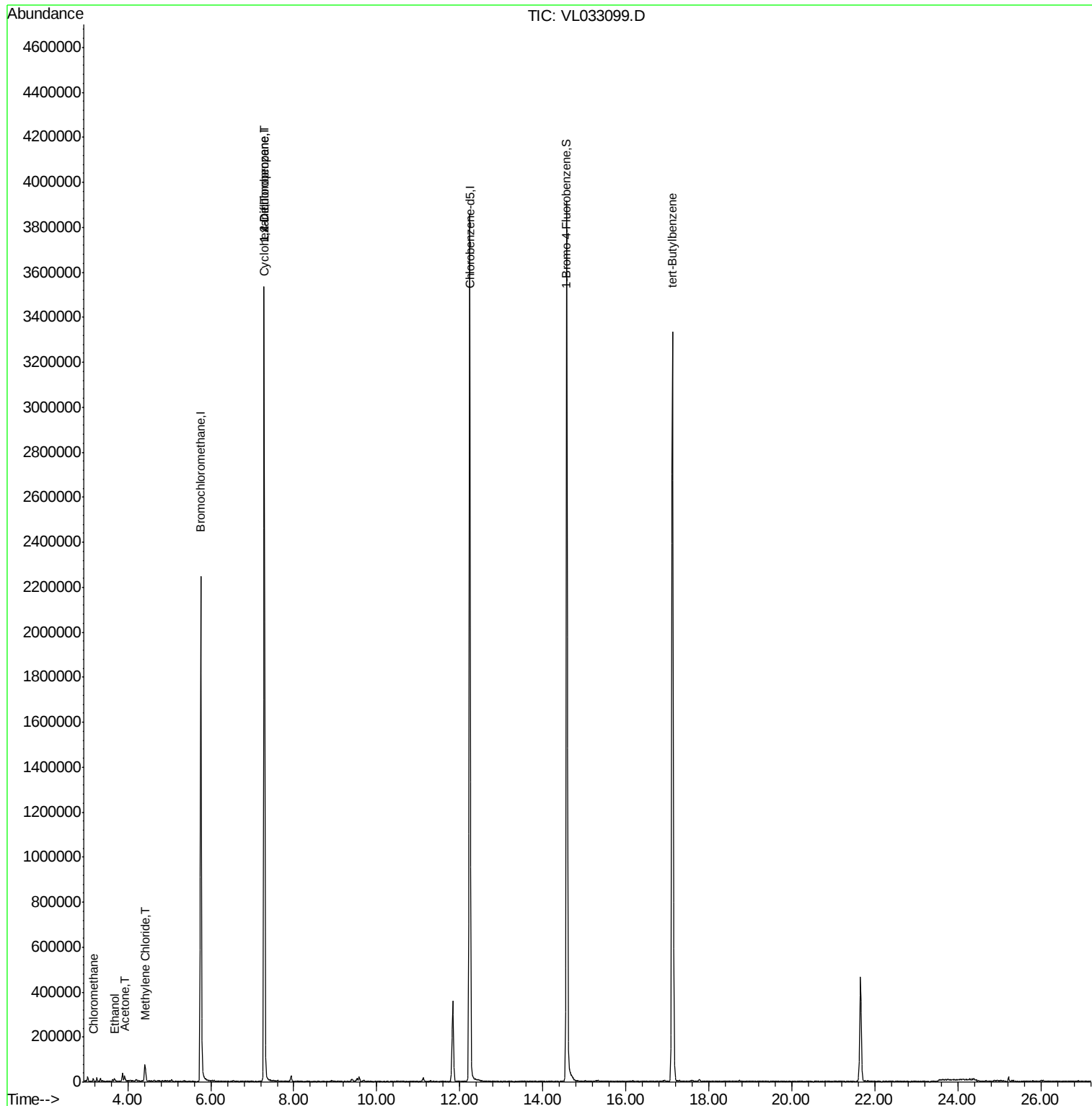
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	3.18	50	8047	0.127	ppbv #	84
13) Ethanol	3.67	45	1412	0.086	ppbv #	40
15) Acetone	3.92	43	22568	0.167	ppbv #	88
20) Methylene Chloride	4.41	84	12486	0.222	ppbv	95
30) Cyclohexane	7.27	84	5293	0.066	ppbv #	3
39) 1,2-Dichloropropane	7.29	63	578701	8.228	ppbv #	24
65) tert-Butylbenzene	17.12	119	35681	0.108	ppbv #	21

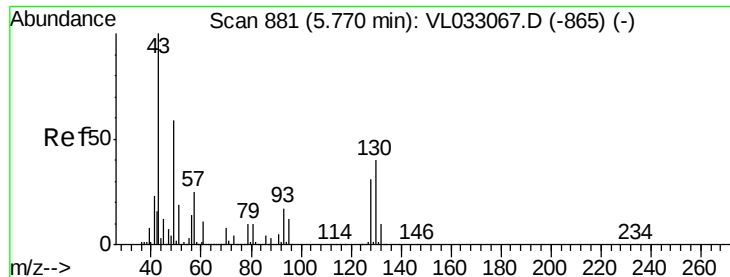
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.01 min

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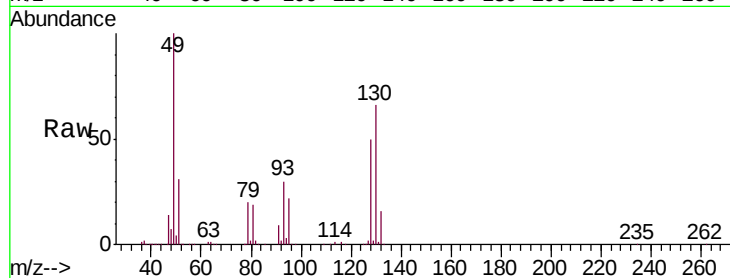
Tgt Ion: 49 Resp: 974122

Ion Ratio Lower Upper

49 100

128 51.8 26.2 78.5

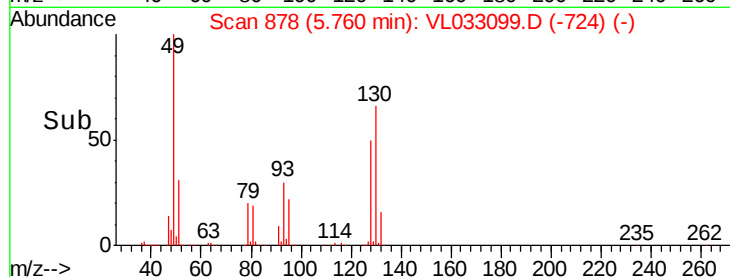
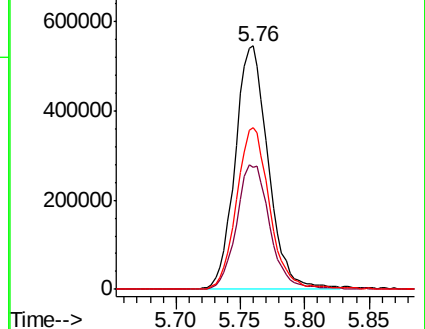
130 67.1 33.6 100.6



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



#4

Chloromethane

Concen: 0.127 ppbv

RT: 3.18 min Scan# 75

Delta R.T. 0.01 min

Lab File: VL033099.D

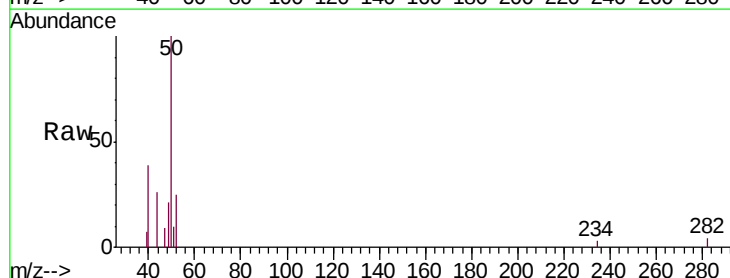
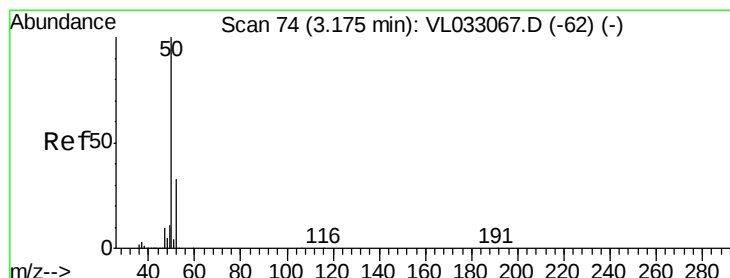
Acq: 16 Jan 2019 19:43

Tgt Ion: 50 Resp: 8047

Ion Ratio Lower Upper

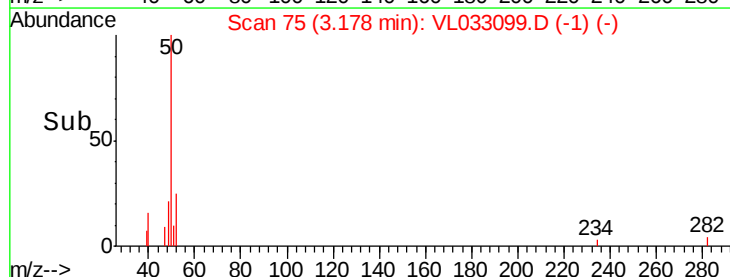
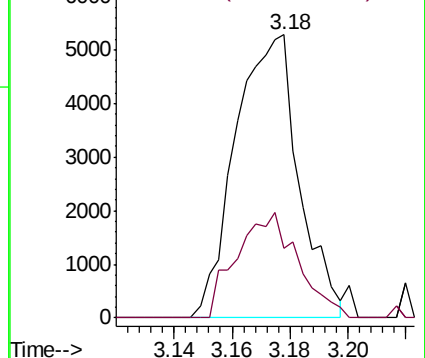
50 100

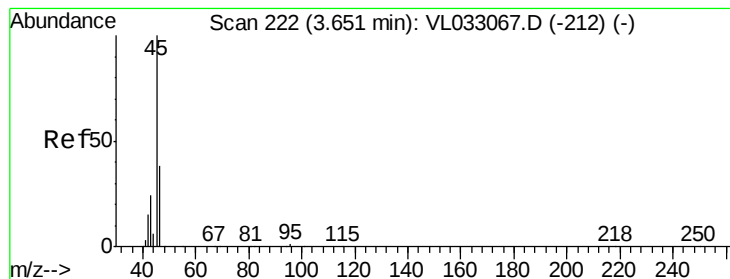
52 24.6 26.9 40.3#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#13

Ethanol

Concen: 0.086 ppbv

RT: 3.67 min Scan# 229

Delta R.T. 0.02 min

Lab File: VL033099.D

Acq: 16 Jan 2019 19:43

Instrument :

MSVOA_L

ClientSampleId :

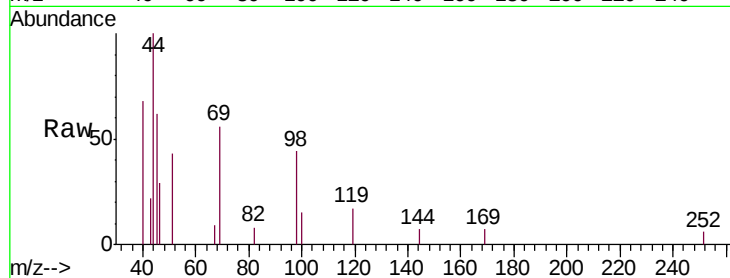
QC011419 CAN 10325

Tgt Ion: 45 Resp: 1412

Ion Ratio Lower Upper

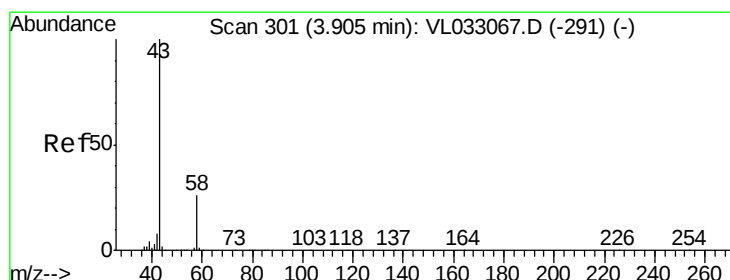
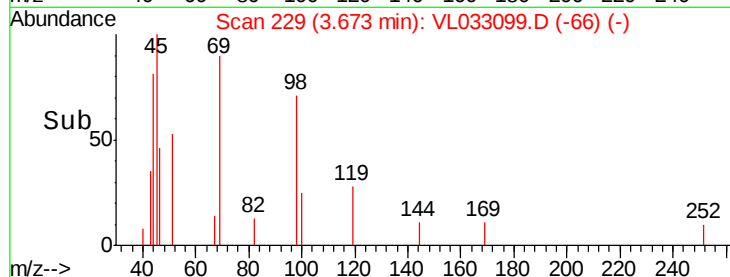
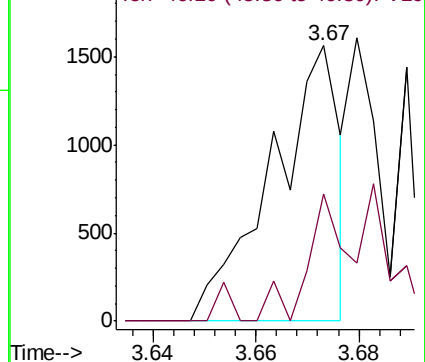
45 100

46 0.0 13.8 55.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.167 ppbv

RT: 3.92 min Scan# 307

Delta R.T. 0.02 min

Lab File: VL033099.D

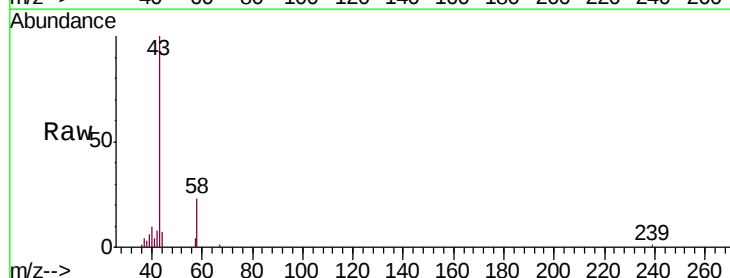
Acq: 16 Jan 2019 19:43

Tgt Ion: 43 Resp: 22568

Ion Ratio Lower Upper

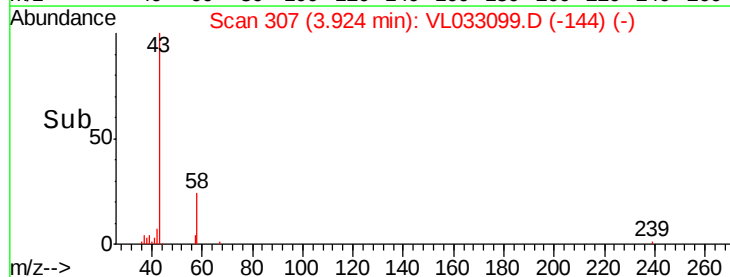
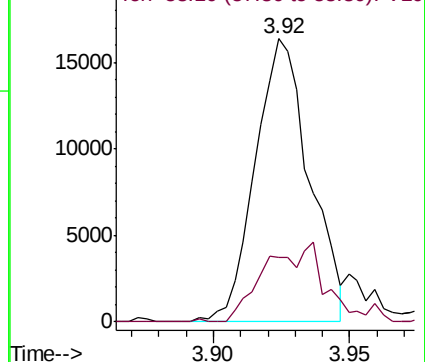
43 100

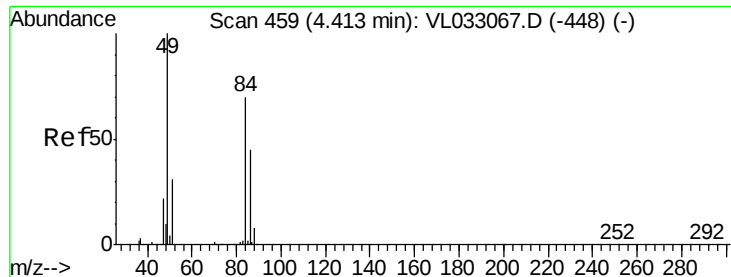
58 32.4 21.1 31.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 0.222 ppbv

RT: 4.41 min Scan# 457

Delta R.T. -0.00 min

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Acq: 16 Jan 2019 19:43

Instrument :

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ClientSampleId :

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Tgt Ion: 84 Resp: 12486

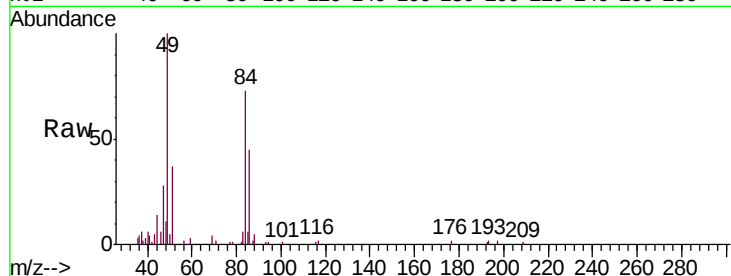
Ion Ratio Lower Upper

84 100

49 135.6 115.8 173.6

51 48.2 35.7 53.5

86 61.3 49.7 74.5

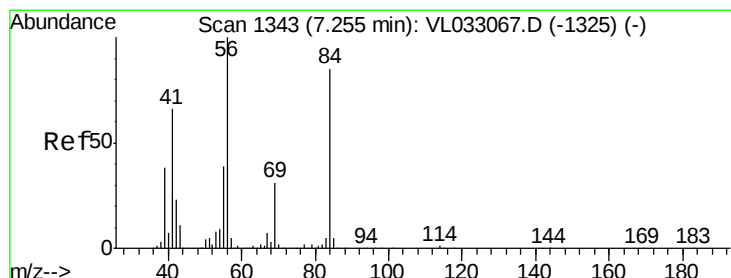
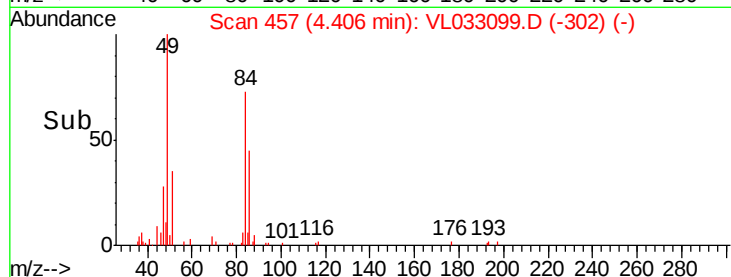
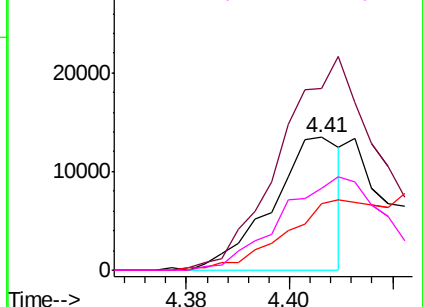


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#30

Cyclohexane

Concen: 0.066 ppbv

RT: 7.27 min Scan# 1349

Delta R.T. 0.03 min

Lab File: VL033099.D

Acq: 16 Jan 2019 19:43

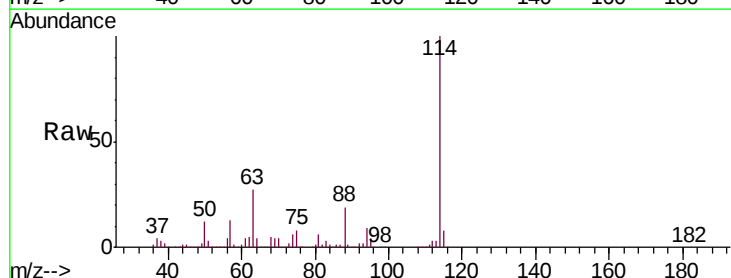
Tgt Ion: 84 Resp: 5293

Ion Ratio Lower Upper

84 100

56 0.0 101.8 152.6#

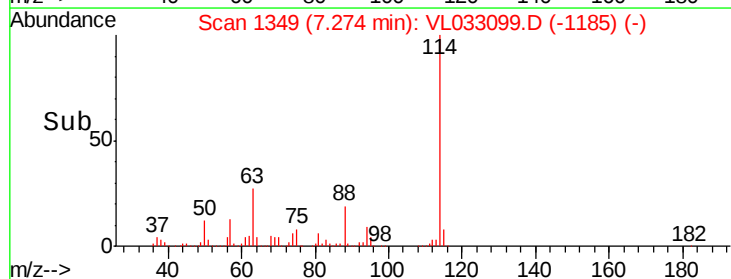
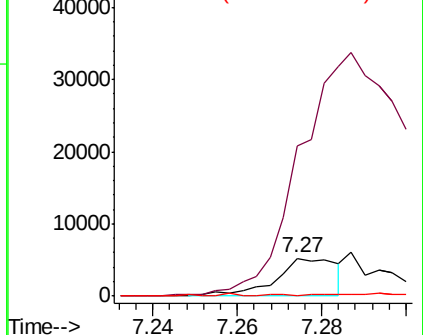
41 13.1 63.2 94.8#

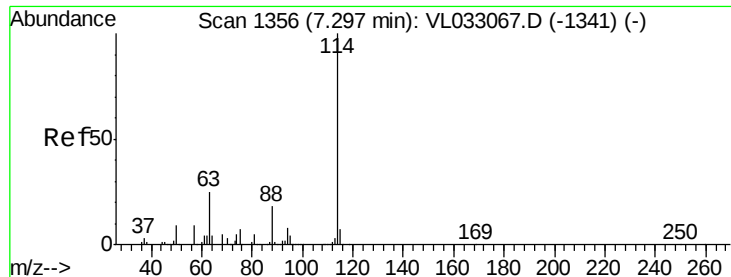


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

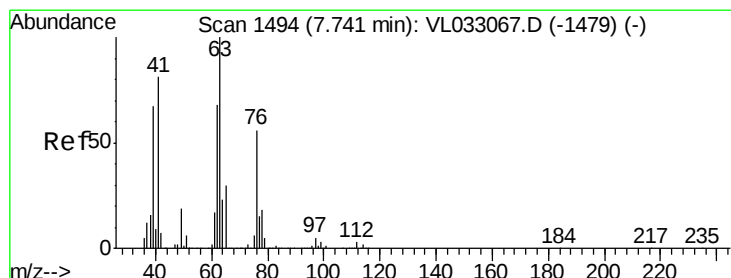
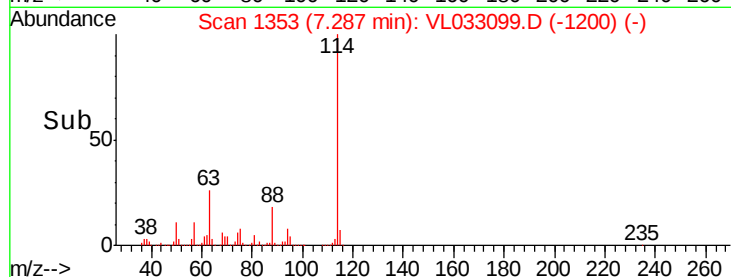
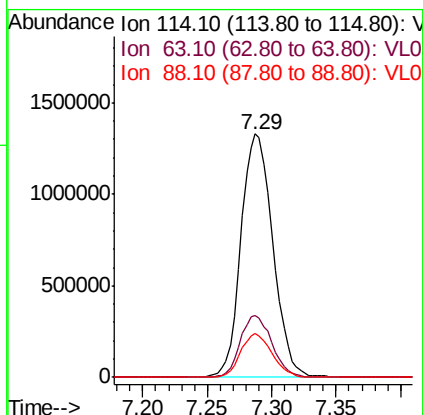
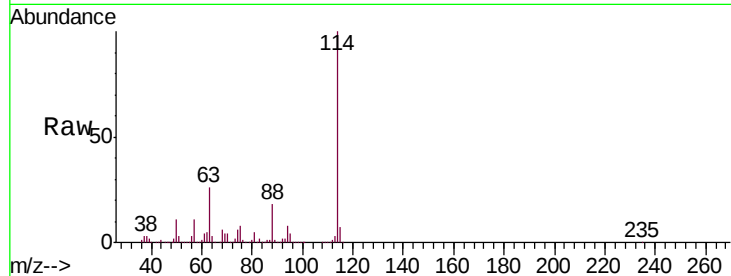




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.01 min
 Lab File: VL033099.D
 Acq: 16 Jan 2019 19:43

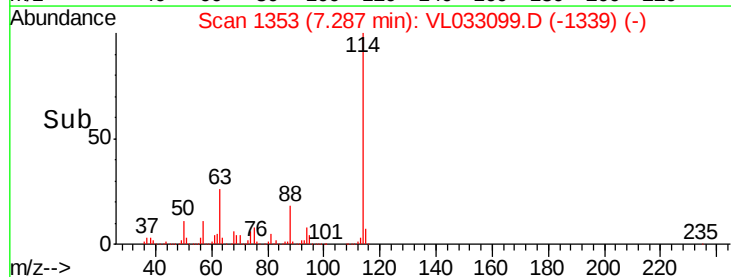
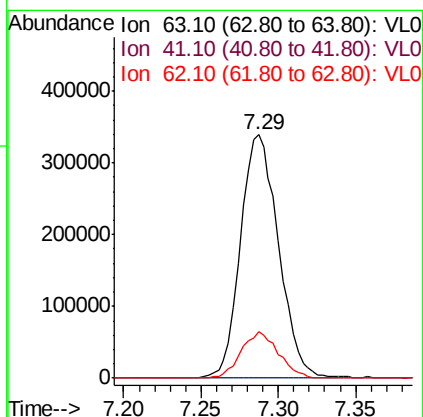
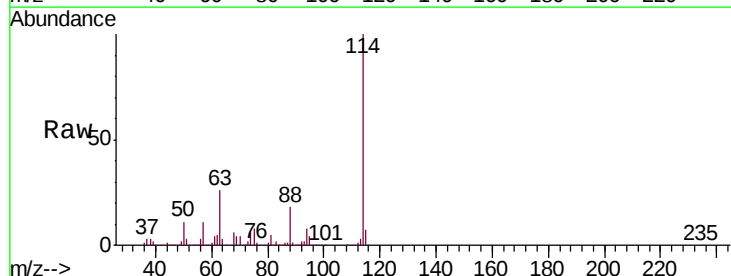
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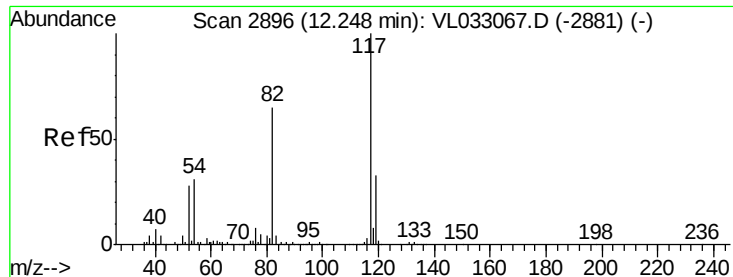
Tgt Ion: 114 Resp: 2285485
 Ion Ratio Lower Upper
 114 100
 63 25.5 20.1 30.1
 88 17.7 14.0 21.0



#39
 1,2-Dichloropropane
 Concen: 8.228 ppbv
 RT: 7.29 min Scan# 1353
 Delta R.T. -0.46 min
 Lab File: VL033099.D
 Acq: 16 Jan 2019 19:43

Tgt Ion: 63 Resp: 578701
 Ion Ratio Lower Upper
 63 100
 41 0.1 61.9 92.9#
 62 19.0 55.8 83.6#

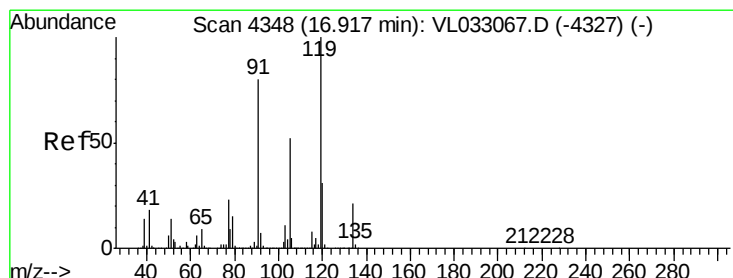
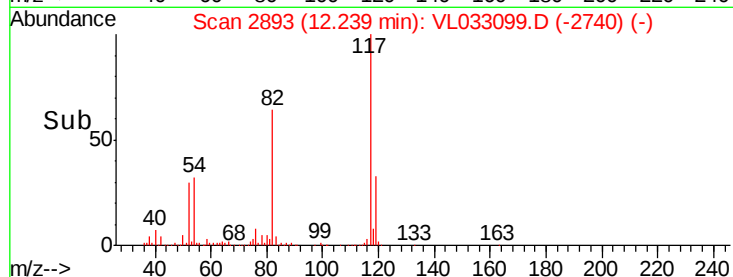
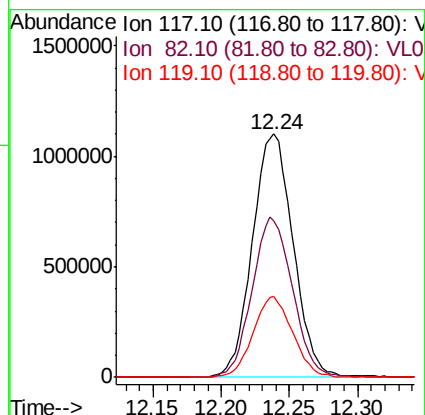
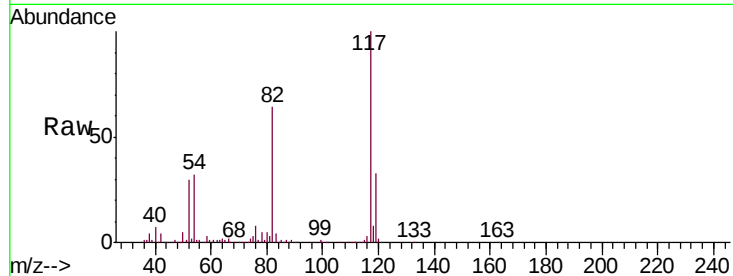




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL033099.D
Acq: 16 Jan 2019 19:43

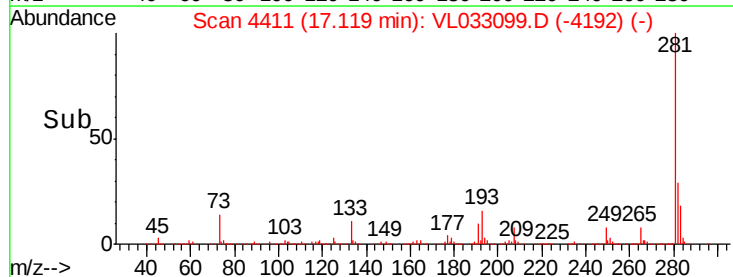
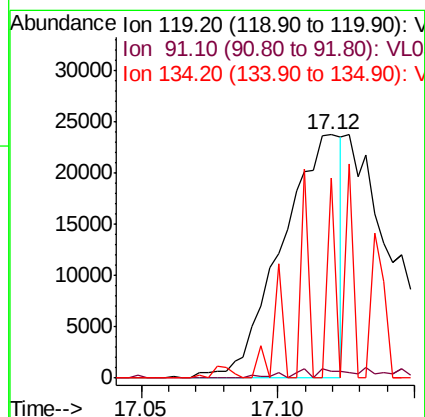
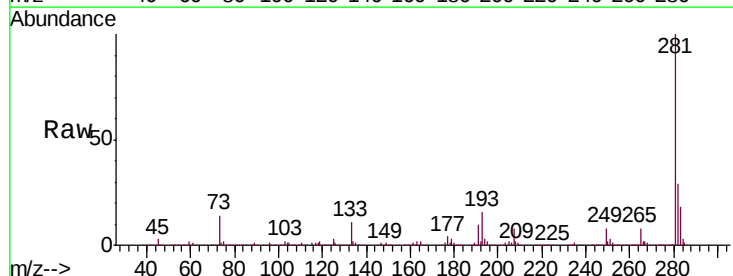
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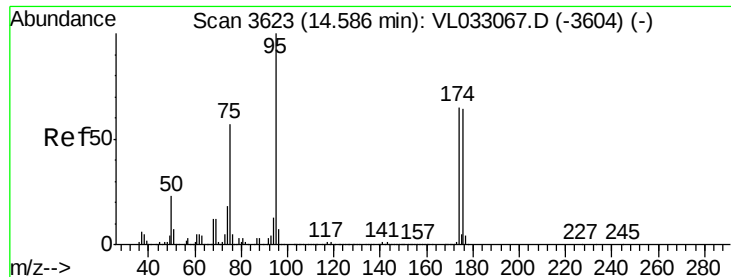
Tgt Ion:117 Resp: 2281658
Ion Ratio Lower Upper
117 100
82 66.0 48.9 73.3
119 32.5 24.6 37.0



#65
tert-Butylbenzene
Concen: 0.108 ppbv
RT: 17.12 min Scan# 4411
Delta R.T. 0.20 min
Lab File: VL033099.D
Acq: 16 Jan 2019 19:43

Tgt Ion:119 Resp: 35681
Ion Ratio Lower Upper
119 100
91 1.2 64.6 97.0#
134 3.3 15.8 23.8#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.930 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.01 min
 Lab File: VL033099.D
 Acq: 16 Jan 2019 19:43

Instrument :
 MSVOA_L
 ClientSampleId :
 QC011419 CAN 10325

Tgt Ion: 95 Resp: 1736844
 Ion Ratio Lower Upper
 95 100
 174 65.0 51.9 77.9
 175 4.5 3.9 5.9

