

Data File : VL033731.D
Acq On : 20 May 2019 19:35
Operator : SY/AP
Sample : CAN 10116
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
CAN 10116

Quant Time: May 21 01:33:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 17 08:15:41 2019
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	952534	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2141215	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2257802	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.57	95	1883158	10.29	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

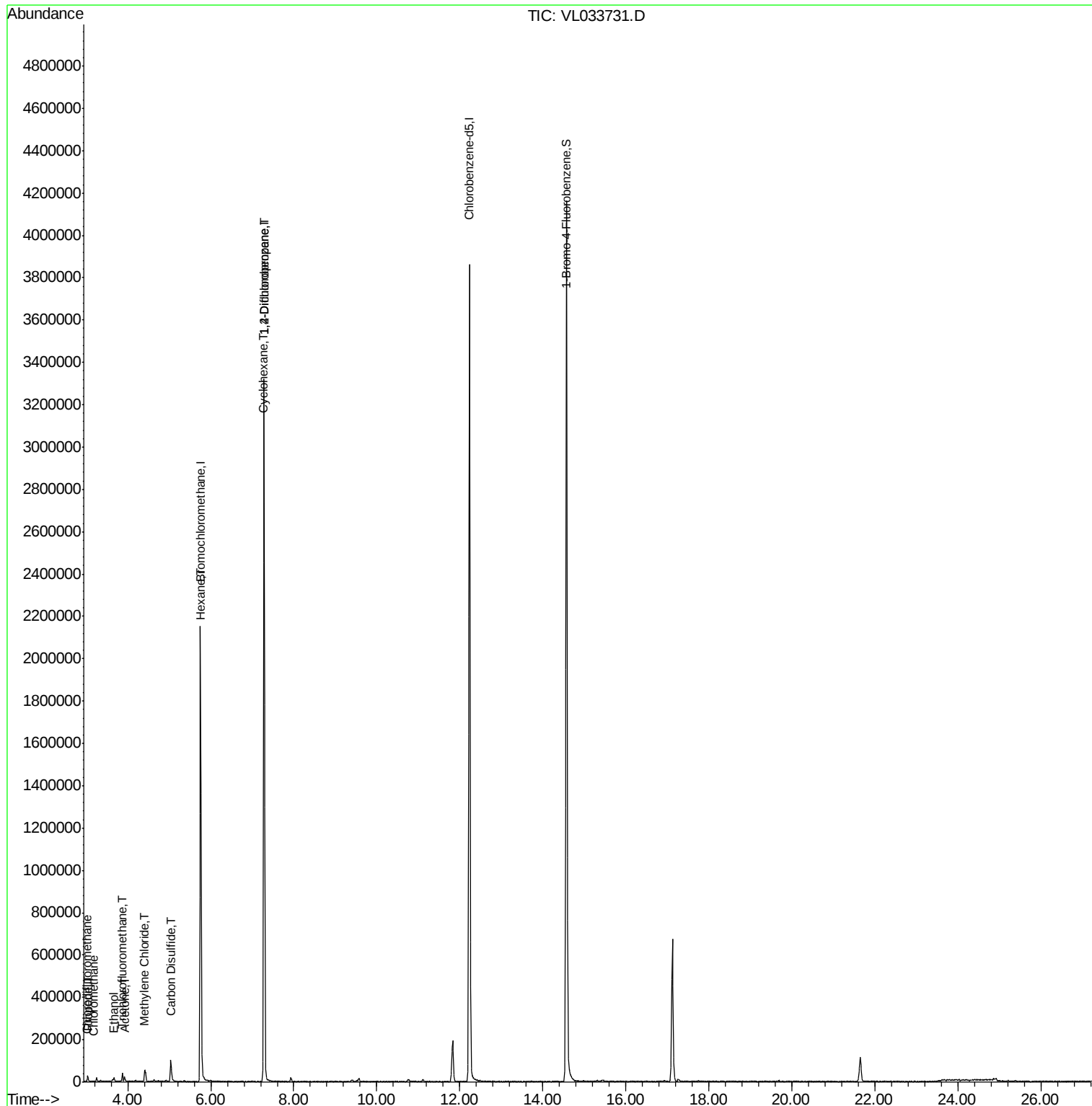
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.02	51	1823	0.017	ppbv #	86
4) Chloromethane	3.17	50	961	0.015	ppbv #	82
9) Propene	3.05	41	1586	0.034	ppbv	94
11) Trichlorofluoromethane	3.88	101	2724	0.014	ppbv	91
13) Ethanol	3.67	45	13080	0.872	ppbv	99
15) Acetone	3.92	43	18731	0.142	ppbv	93
20) Methylene Chloride	4.41	84	14497	0.285	ppbv #	90
26) Hexane	5.77	57	4749	0.048	ppbv #	1
27) Carbon Disulfide	5.04	76	4994	0.036	ppbv #	78
30) Cyclohexane	7.27	84	3474	0.041	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	576431	7.938	ppbv #	22

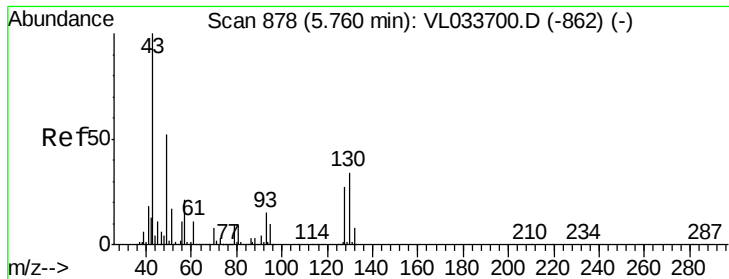
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

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MSVOA_L

ClientSampleId :

CAN 10116

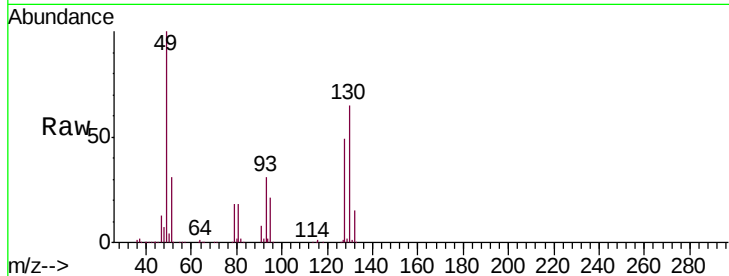
Tgt Ion: 49 Resp: 952534

Ion Ratio Lower Upper

49 100

128 49.1 25.2 75.6

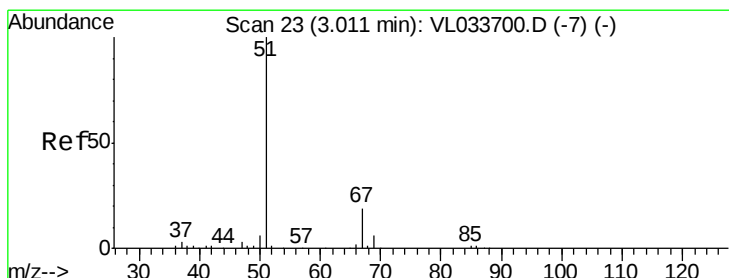
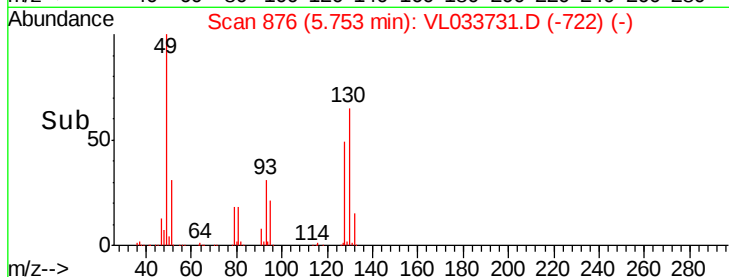
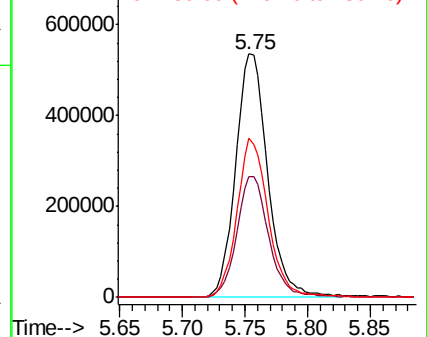
130 63.9 32.5 97.5



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: 0.017 ppbv

RT: 3.02 min Scan# 25

Delta R.T. 0.01 min

Lab File: VL033731.D

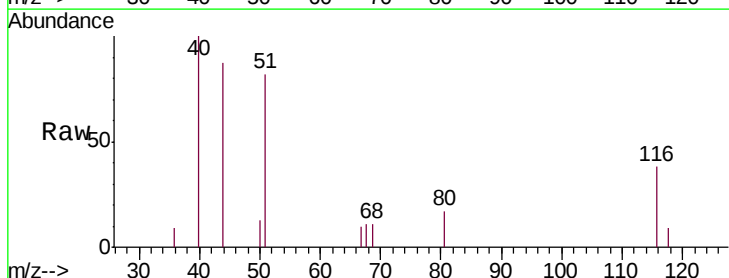
Acq: 20 May 2019 19:35

Tgt Ion: 51 Resp: 1823

Ion Ratio Lower Upper

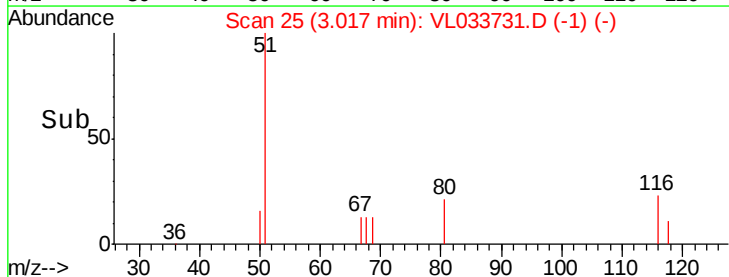
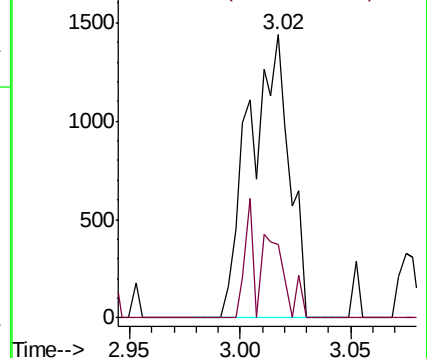
51 100

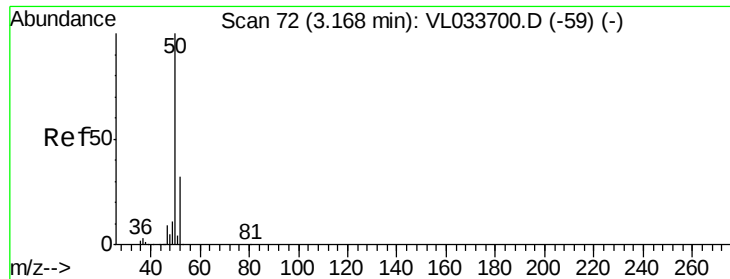
67 25.7 15.6 23.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.015 ppbv

RT: 3.17 min Scan# 72

Delta R.T. 0.00 min

Lab File: VL033731.D

Acq: 20 May 2019 19:35

Instrument :

MSVOA_L

ClientSampleId :

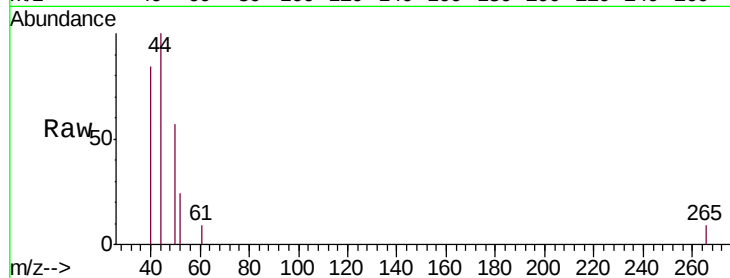
CAN 10116

Tgt Ion: 50 Resp: 961

Ion Ratio Lower Upper

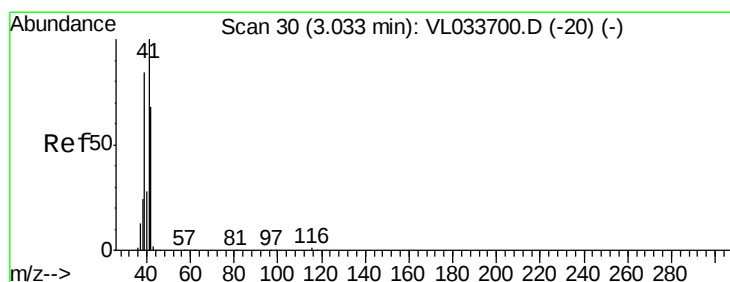
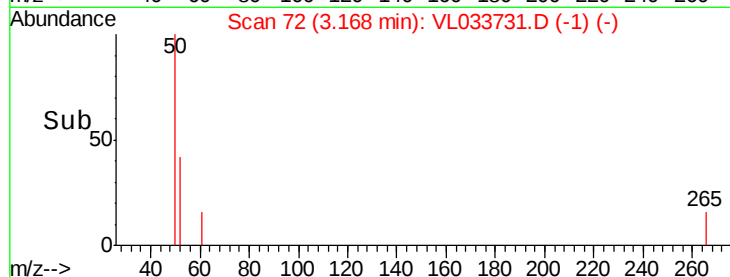
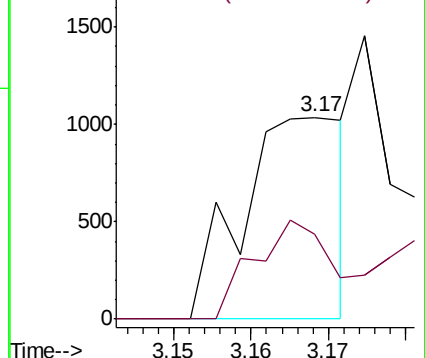
50 100

52 42.2 25.7 38.5#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.034 ppbv

RT: 3.05 min Scan# 34

Delta R.T. 0.01 min

Lab File: VL033731.D

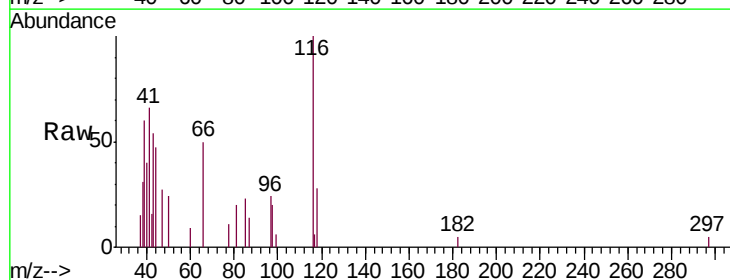
Acq: 20 May 2019 19:35

Tgt Ion: 41 Resp: 1586

Ion Ratio Lower Upper

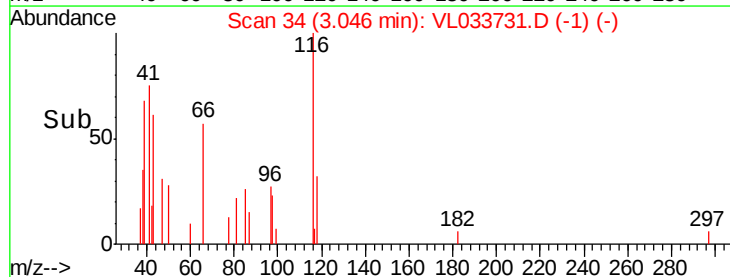
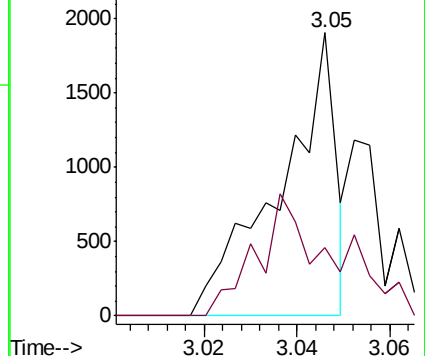
41 100

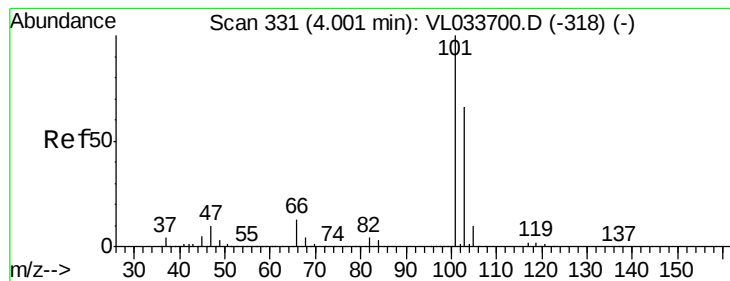
42 65.4 56.1 84.1



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#11

Trichlorofluoromethane

Concen: 0.014 ppbv

RT: 3.88 min Scan# 293

Delta R.T. -0.12 min

Lab File: VL033731.D

Acq: 20 May 2019 19:35

Instrument :

MSVOA_L

ClientSampleId :

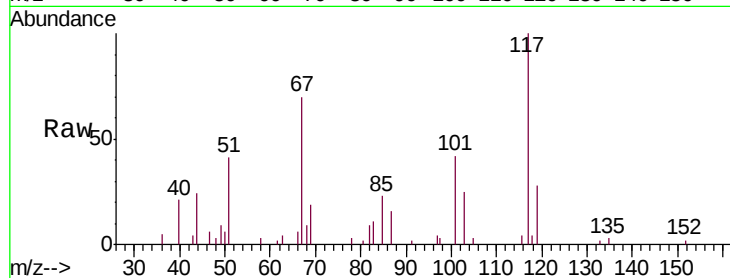
CAN 10116

Tgt Ion:101 Resp: 2724

Ion Ratio Lower Upper

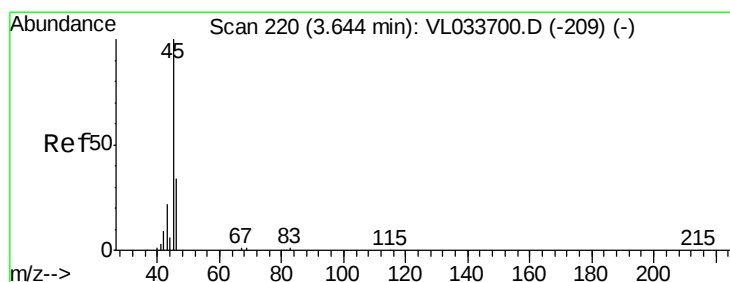
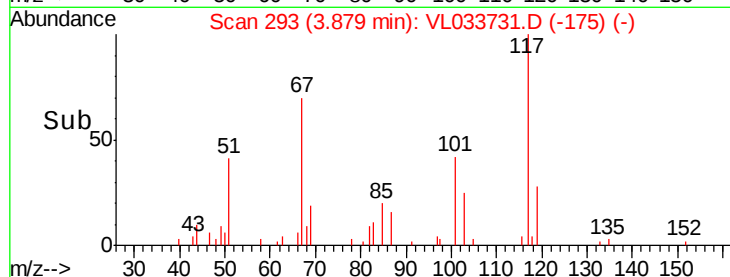
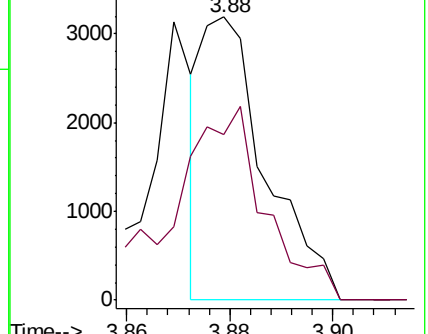
101 100

103 58.3 52.6 78.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V



#13

Ethanol

Concen: 0.872 ppbv

RT: 3.67 min Scan# 227

Delta R.T. 0.02 min

Lab File: VL033731.D

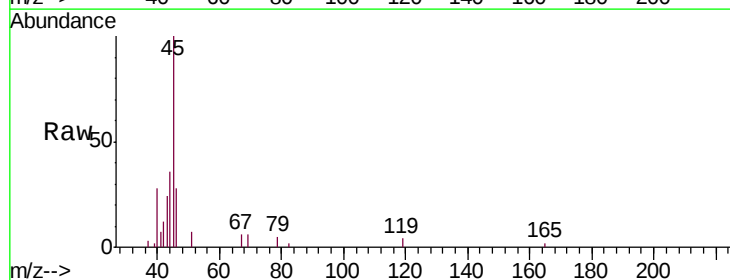
Acq: 20 May 2019 19:35

Tgt Ion: 45 Resp: 13080

Ion Ratio Lower Upper

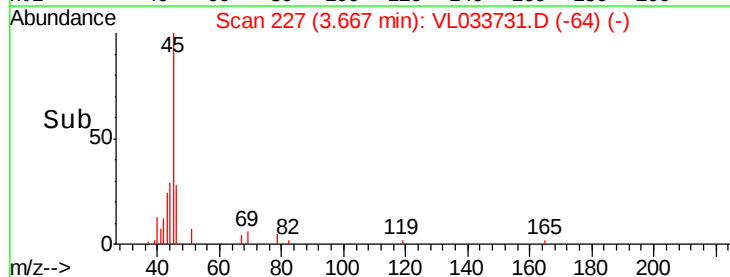
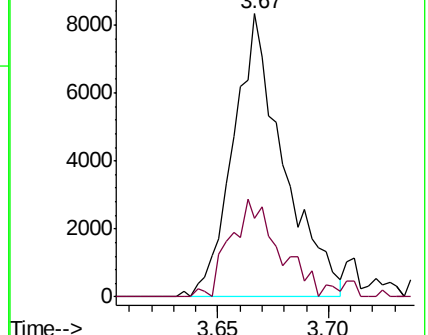
45 100

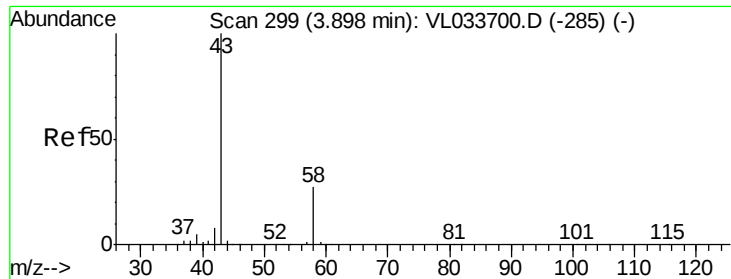
46 36.3 14.8 59.0



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.142 ppbv

RT: 3.92 min Scan# 307

Delta R.T. 0.03 min

Lab File: VL033731.D

Acq: 20 May 2019 19:35

Instrument :

MSVOA_L

ClientSampleId :

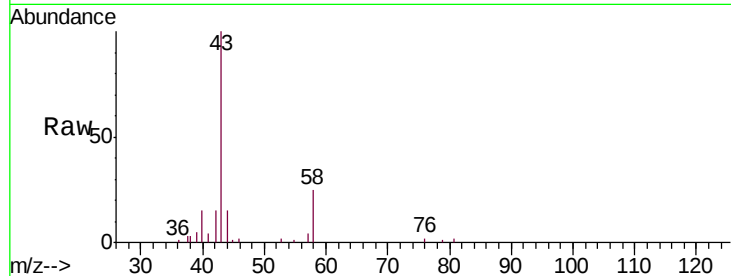
CAN 10116

Tgt Ion: 43 Resp: 18731

Ion Ratio Lower Upper

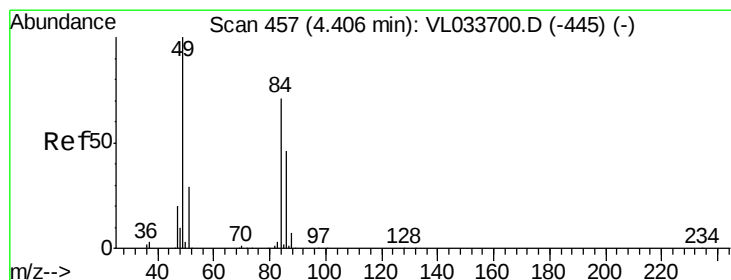
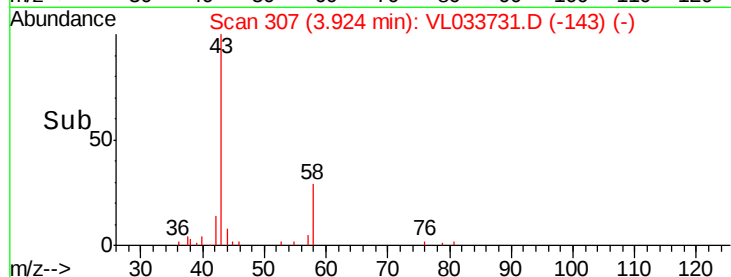
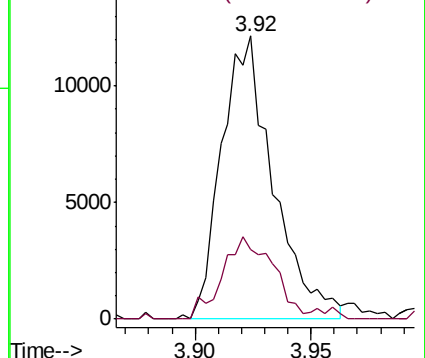
43 100

58 30.4 21.3 31.9



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.285 ppbv

RT: 4.41 min Scan# 457

Delta R.T. 0.00 min

Lab File: VL033731.D

Acq: 20 May 2019 19:35

Tgt Ion: 84 Resp: 14497

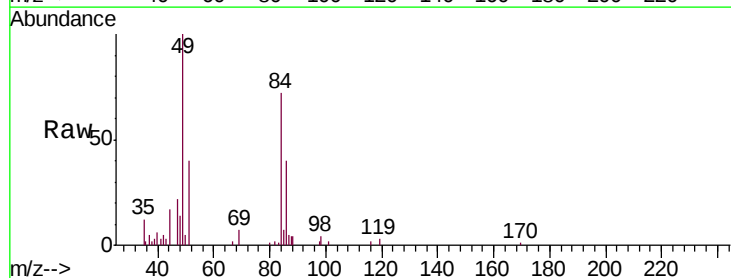
Ion Ratio Lower Upper

84 100

49 134.3 112.8 169.2

51 55.4 33.4 50.0#

86 54.4 51.7 77.5

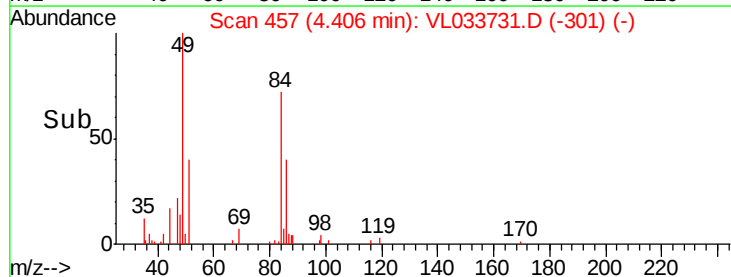
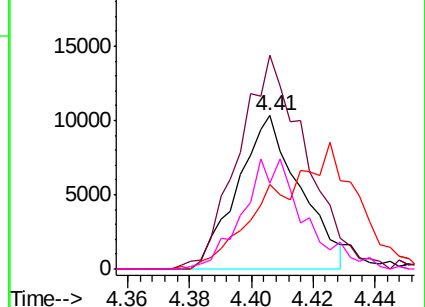


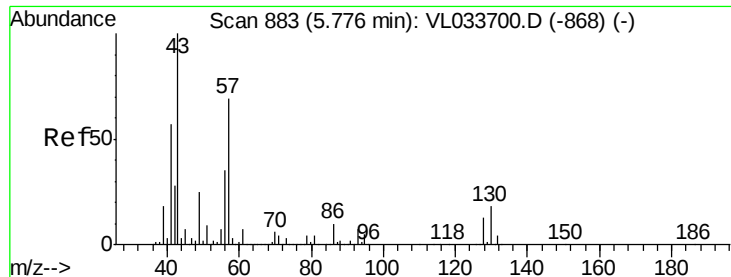
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

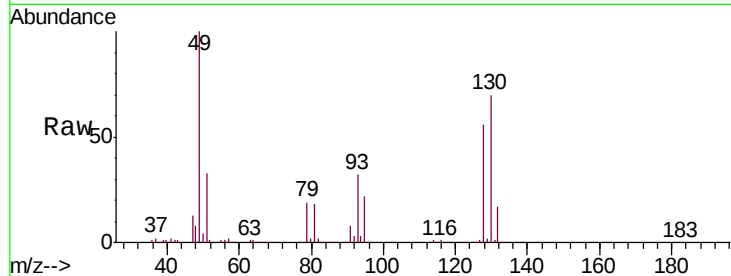




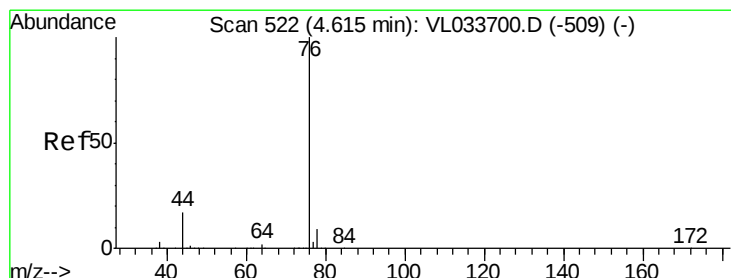
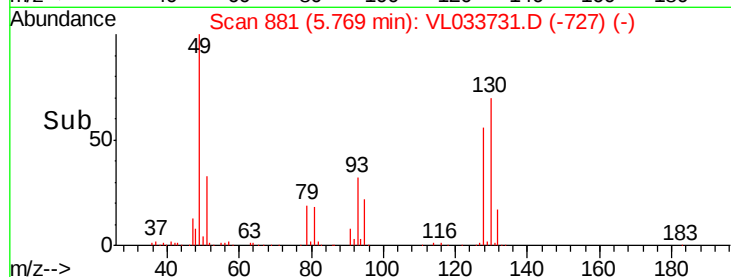
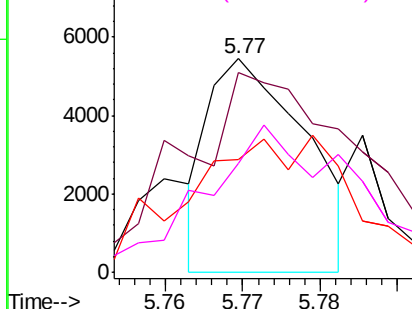
#26
Hexane
Concen: 0.048 ppbv
RT: 5.77 min Scan# 881
Delta R.T. -0.01 min
Lab File: VL033731.D
Acq: 20 May 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
CAN 10116

Tgt Ion: 57 Resp: 4749
Ion Ratio Lower Upper
57 100
41 176.9 69.8 104.6#
43 0.0 181.8 272.6#
56 109.3 42.1 63.1#

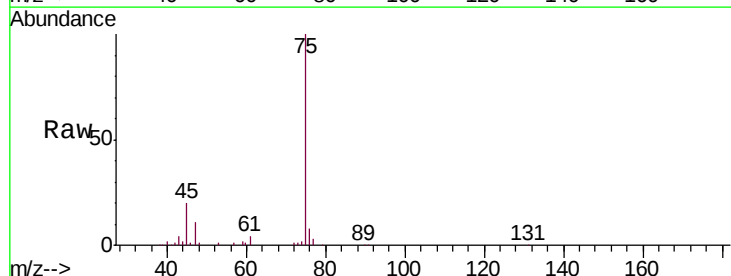


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

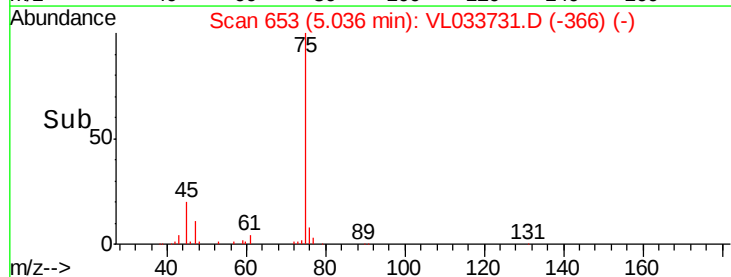
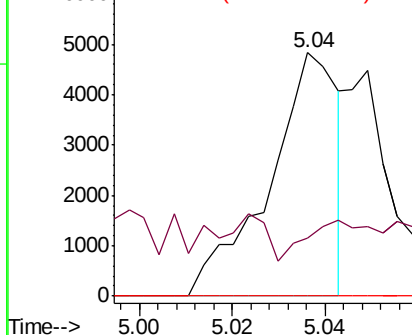


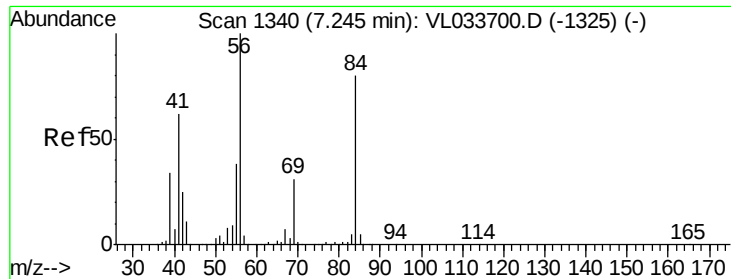
#27
Carbon Disulfide
Concen: 0.036 ppbv
RT: 5.04 min Scan# 653
Delta R.T. 0.42 min
Lab File: VL033731.D
Acq: 20 May 2019 19:35

Tgt Ion: 76 Resp: 4994
Ion Ratio Lower Upper
76 100
44 8.5 13.8 20.8#
78 0.0 7.4 11.0#



Abundance Ion 76.00 (75.70 to 76.70): VL0
Ion 44.10 (43.80 to 44.80): VL0
Ion 78.00 (77.70 to 78.70): VL0

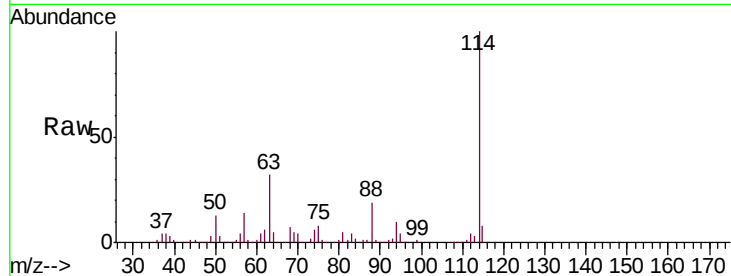




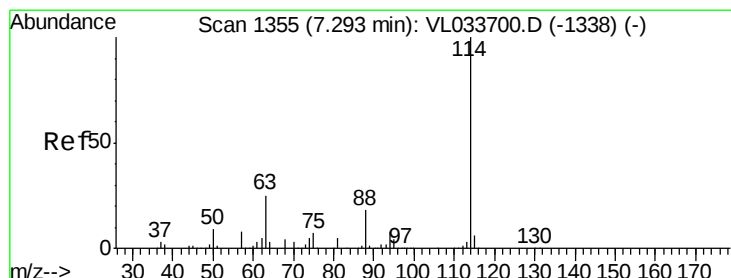
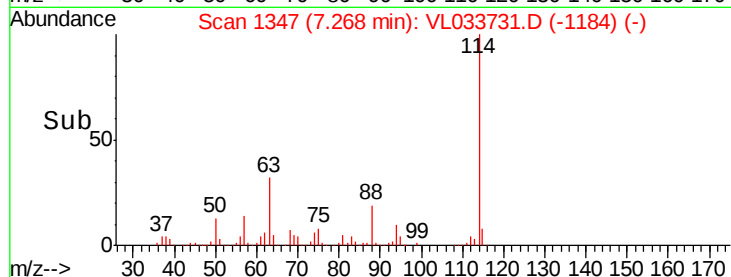
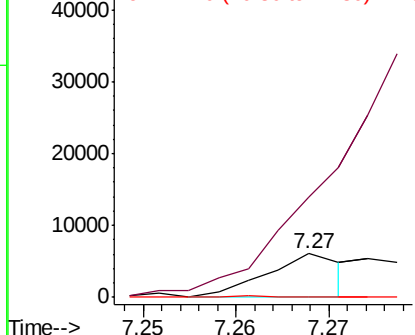
#30
Cyclohexane
Concen: 0.041 ppbv
RT: 7.27 min Scan# 1347
Delta R.T. 0.02 min
Lab File: VL033731.D
Acq: 20 May 2019 19:35

Instrument :
MSVOA_L
ClientSampleId :
CAN 10116

Tgt Ion: 84 Resp: 3474
Ion Ratio Lower Upper
84 100
56 0.0 107.7 161.5#
41 0.0 66.0 99.0#

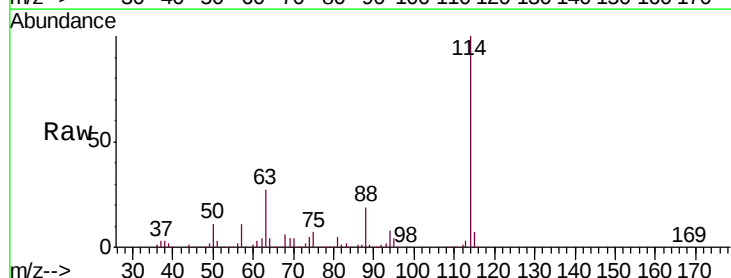


Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0

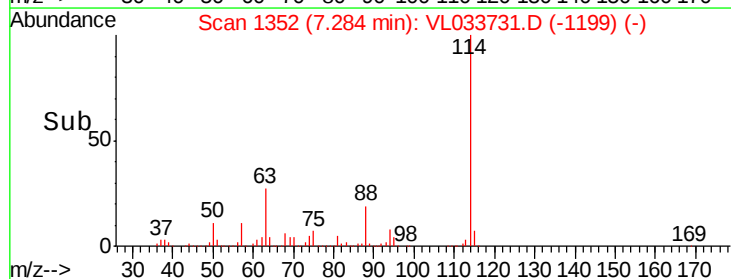
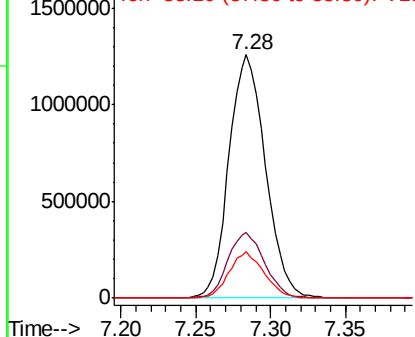


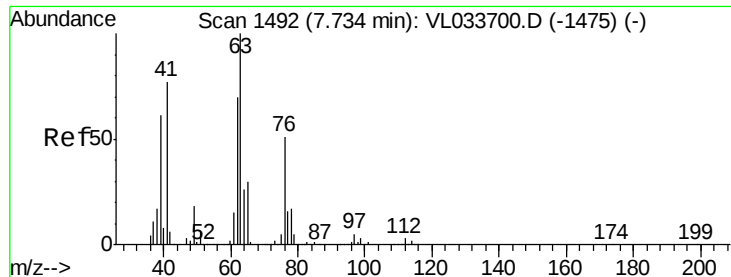
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.28 min Scan# 1352
Delta R.T. -0.01 min
Lab File: VL033731.D
Acq: 20 May 2019 19:35

Tgt Ion: 114 Resp: 2141215
Ion Ratio Lower Upper
114 100
63 27.1 20.9 31.3
88 18.2 14.3 21.5



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

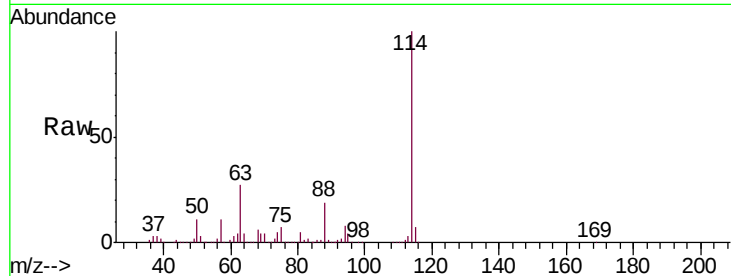




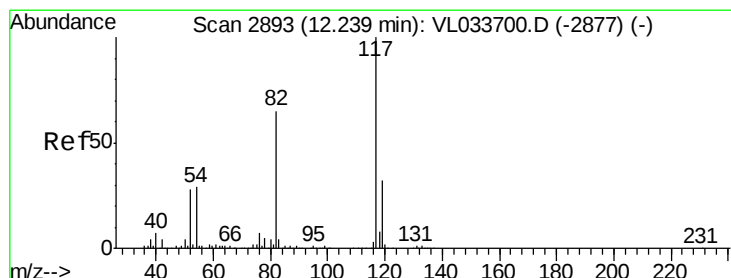
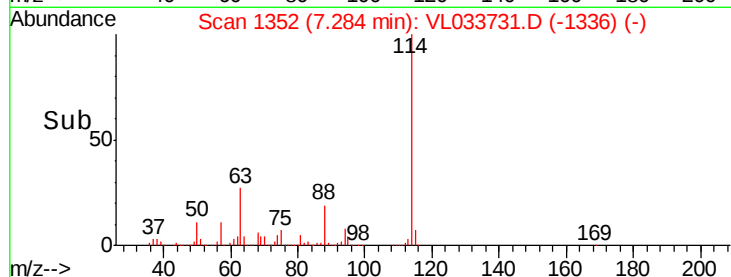
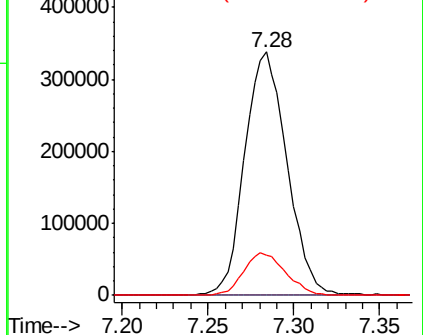
#39
 1,2-Dichloropropane
 Concen: 7.938 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.45 min
 Lab File: VL033731.D
 Acq: 20 May 2019 19:35

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10116

Tgt Ion: 63 Resp: 576431
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.5 92.3#
 62 16.3 56.2 84.4#

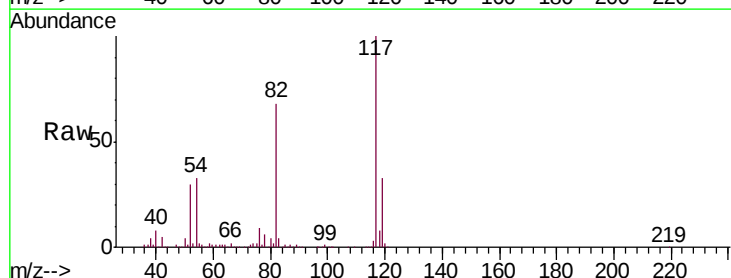


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

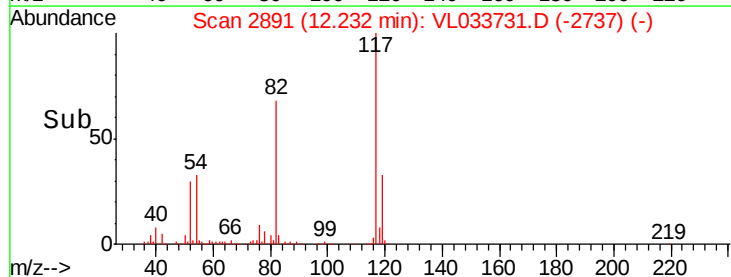
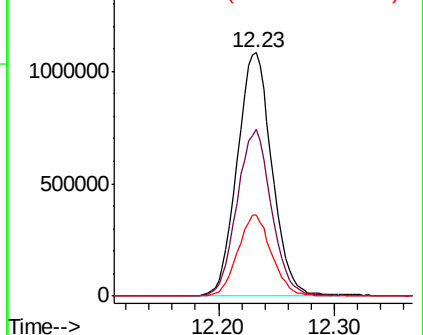


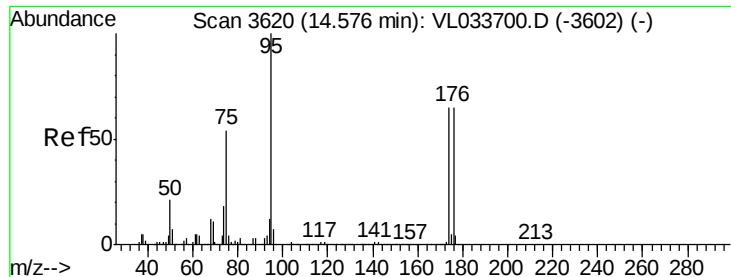
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.23 min Scan# 2891
 Delta R.T. -0.01 min
 Lab File: VL033731.D
 Acq: 20 May 2019 19:35

Tgt Ion: 117 Resp: 2257802
 Ion Ratio Lower Upper
 117 100
 82 68.3 49.4 74.0
 119 32.6 24.9 37.3



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: 10.288 ppbv

RT: 14.57 min Scan# 3618

Delta R.T. -0.01 min

Lab File: VL033731.D

Acq: 20 May 2019 19:35

Instrument :

MSVOA_L

ClientSampleId :

CAN 10116

Tgt Ion: 95 Resp: 1883158

Ion Ratio Lower Upper

95 100

174 65.7 53.9 80.9

175 4.6 3.8 5.8

