

Data File : VL033722.D
Acq On : 20 May 2019 12:54
Operator : SY/AP
Sample : VL0520ABL01
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VL0520ABL01

Quant Time: May 21 01:31:10 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	1042942	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	2436257	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	2486566	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.56	95	1995321	9.90	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

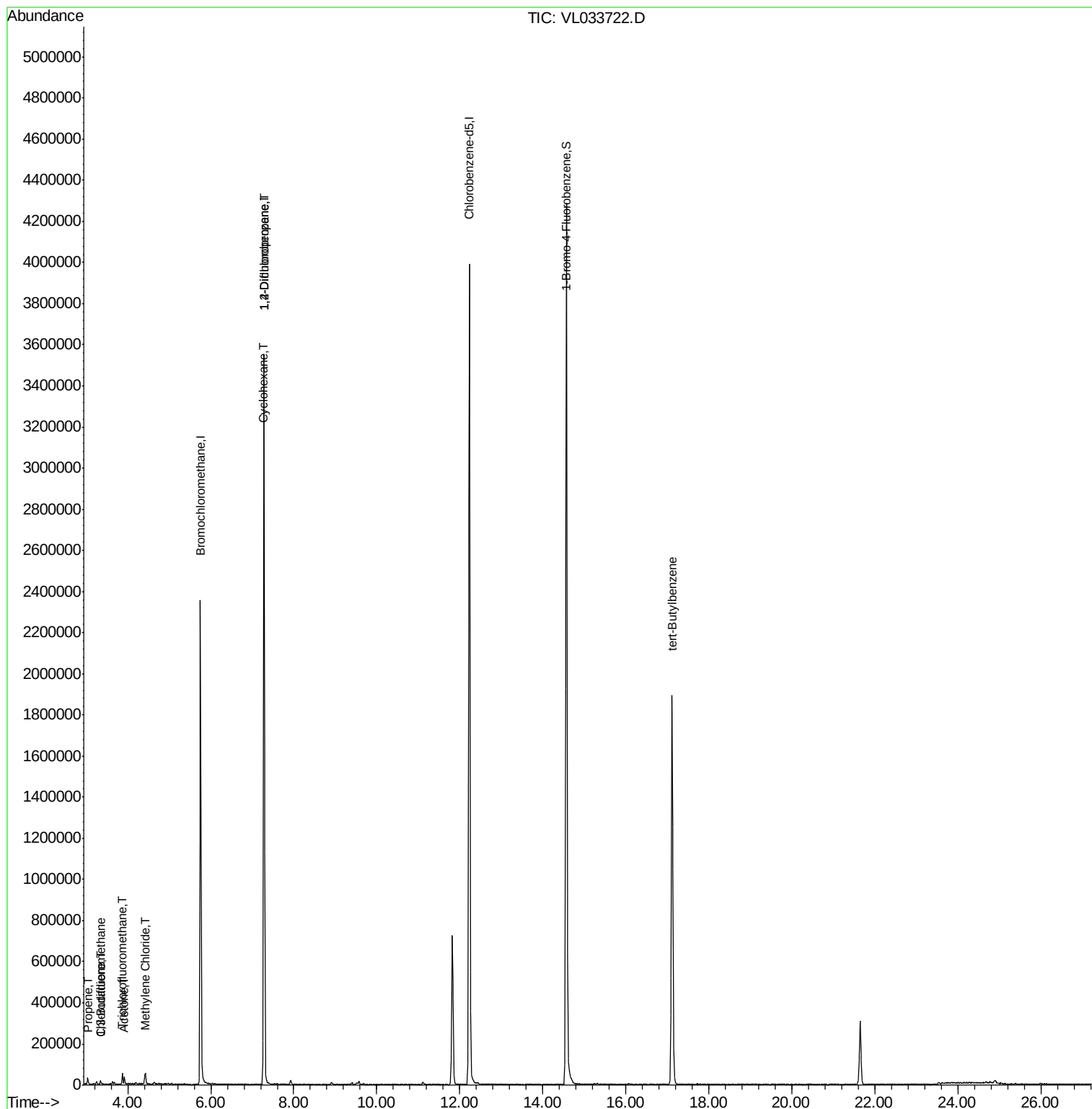
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.35	51	1581	0.013	ppbv	97
9) Propene	3.03	41	701	0.014	ppbv #	15
11) Trichlorofluoromethane	3.88	101	5080	0.024	ppbv #	62
15) Acetone	3.91	43	35023	0.242	ppbv	92
16) 1,3-Butadiene	3.35	39	1148	0.020	ppbv #	6
20) Methylene Chloride	4.40	84	8185	0.147	ppbv #	81
30) Cyclohexane	7.26	84	4370	0.048	ppbv #	1
39) 1,2-Dichloropropane	7.28	63	642414	7.775	ppbv #	22
65) tert-Butylbenzene	17.10	119	12011	0.034	ppbv #	19

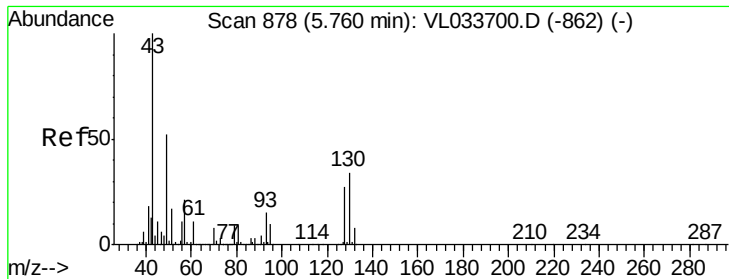
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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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VL0520ABL01

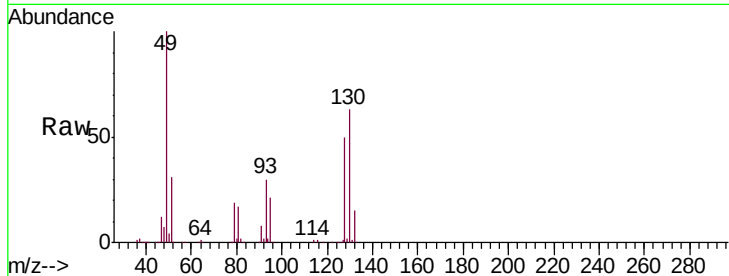
Tgt Ion: 49 Resp: 1042942

Ion Ratio Lower Upper

49 100

128 50.6 25.2 75.6

130 64.2 32.5 97.5



Abundance Ion 49.10 (48.80 to 49.80): VL0

800000 Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

600000

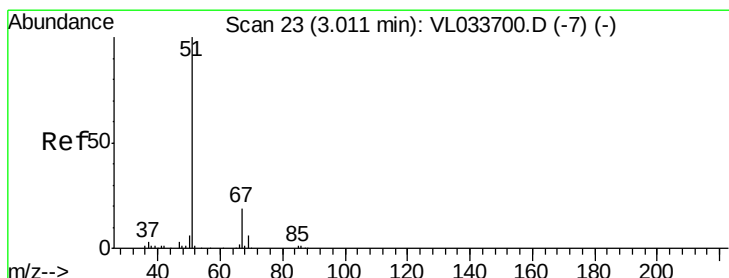
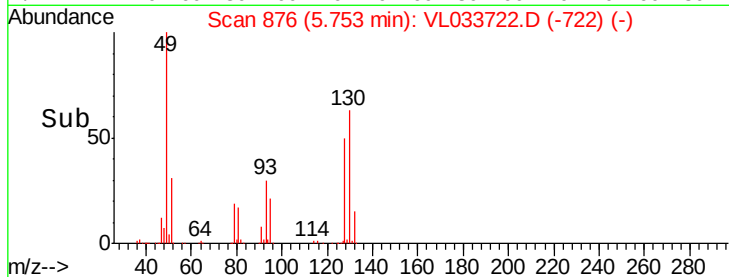
400000

200000

0

5.70 5.75 5.80

Time-->



#3

Chlorodifluoromethane

Concen: 0.013 ppbv

RT: 3.35 min Scan# 130

Delta R.T. 0.34 min

Lab File: VL033722.D

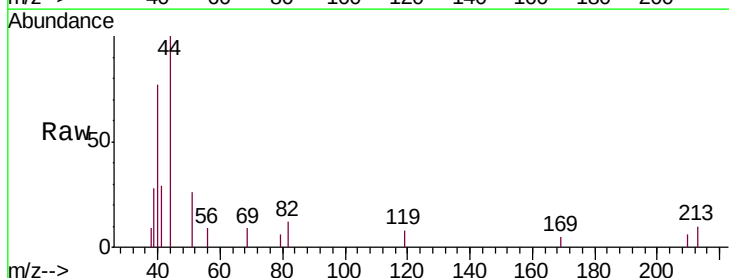
Acq: 20 May 2019 12:54

Tgt Ion: 51 Resp: 1581

Ion Ratio Lower Upper

51 100

67 21.0 15.6 23.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

1000 Ion 67.00 (66.70 to 67.70): VL0

800

600

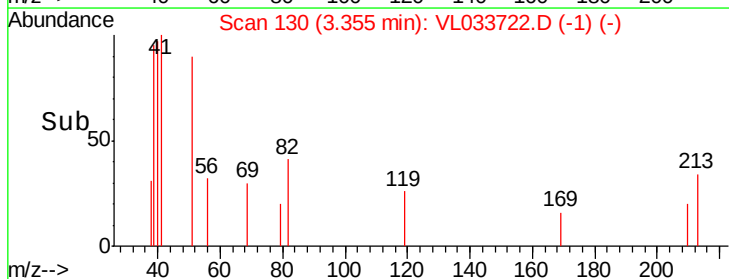
400

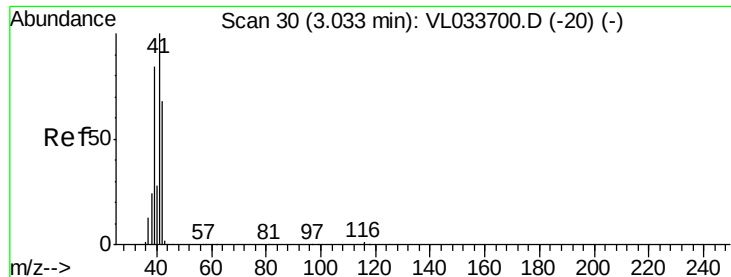
200

0

3.25 3.30 3.35 3.40

Time-->





#9

Propene

Concen: 0.014 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.00 min

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Instrument :

MSVOA_L

ClientSampleId :

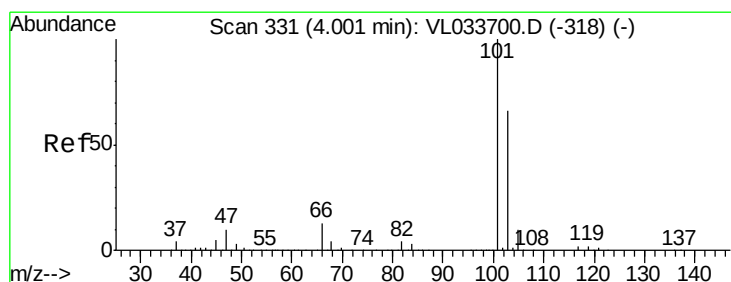
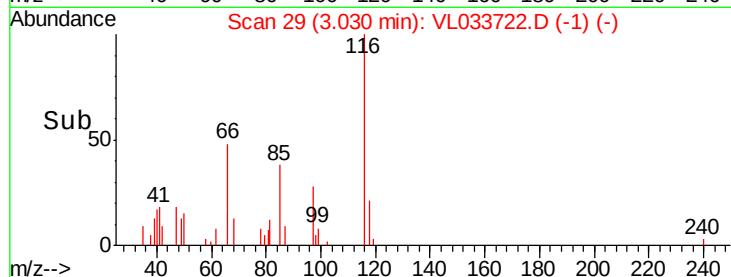
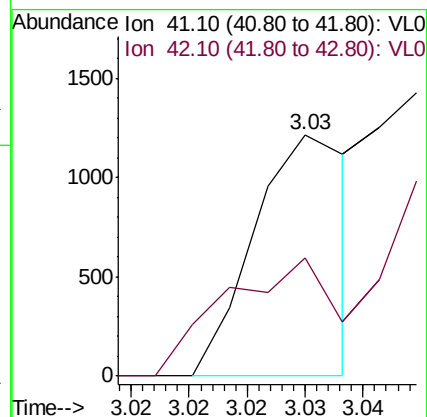
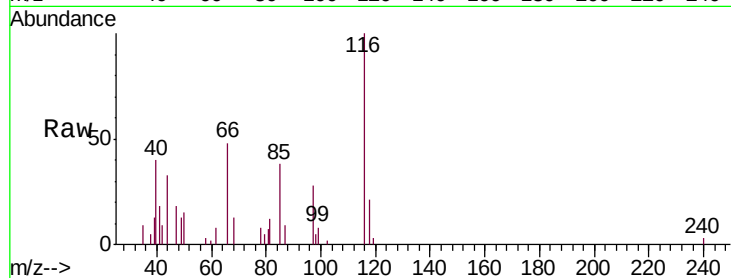
VL0520ABL01

Tgt Ion: 41 Resp: 701

Ion Ratio Lower Upper

41 100

42 0.0 56.1 84.1#



#11

Trichlorofluoromethane

Concen: 0.024 ppbv

RT: 3.88 min Scan# 293

Delta R.T. -0.12 min

Lab File: VL033722.D

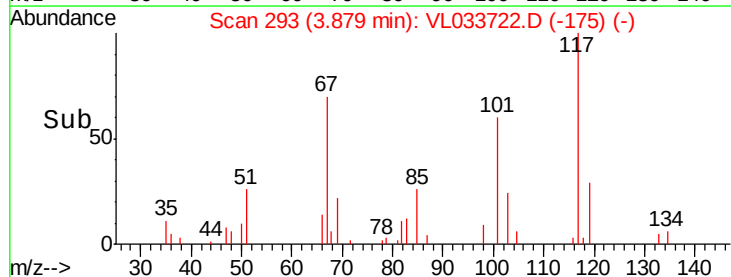
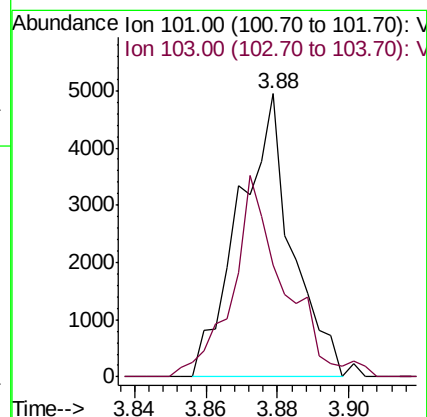
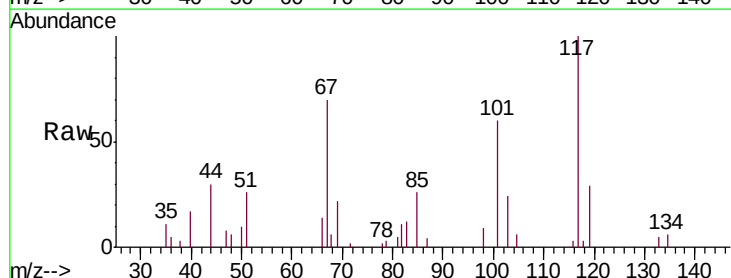
Acq: 20 May 2019 12:54

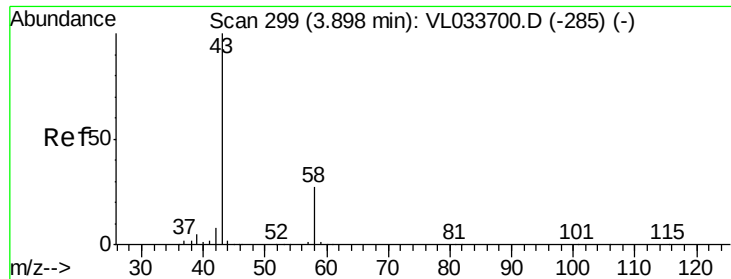
Tgt Ion: 101 Resp: 5080

Ion Ratio Lower Upper

101 100

103 35.7 52.6 78.8#





#15

Acetone

Concen: 0.242 ppbv

RT: 3.91 min Scan# 304

Delta R.T. 0.02 min

Lab File: VL033722.D

Acq: 20 May 2019 12:54

Instrument :

MSVOA_L

ClientSampleId :

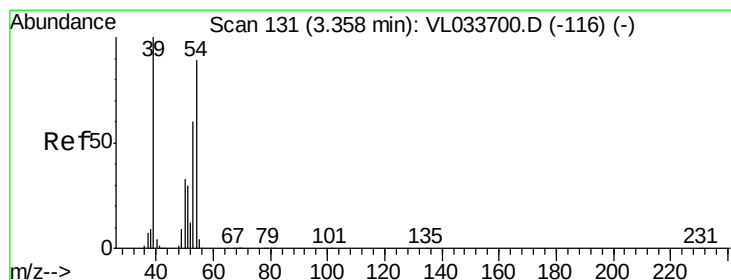
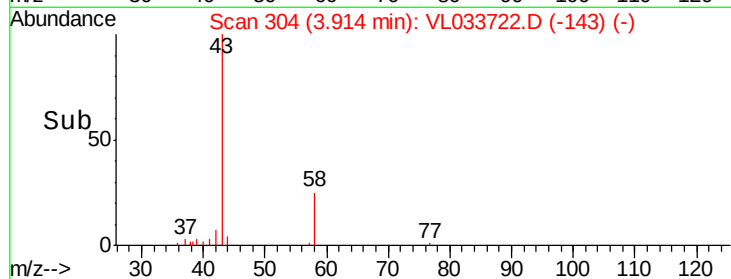
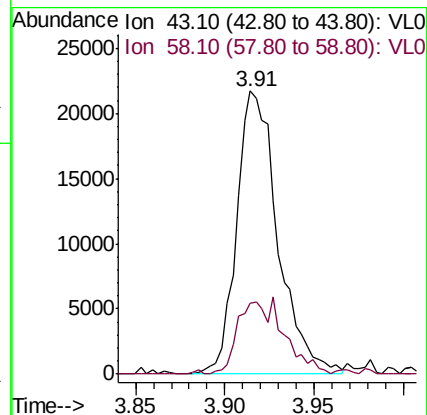
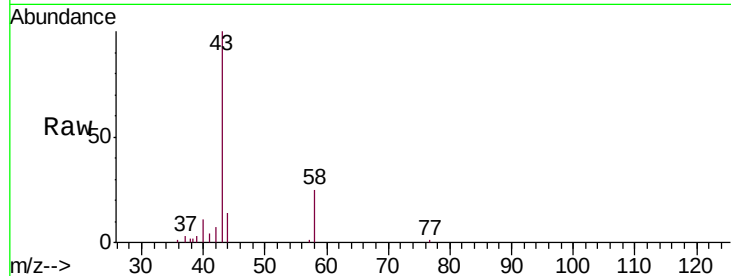
VL0520ABL01

Tgt Ion: 43 Resp: 35023

Ion Ratio Lower Upper

43 100

58 30.6 21.3 31.9



#16

1,3-Butadiene

Concen: 0.020 ppbv

RT: 3.35 min Scan# 128

Delta R.T. -0.01 min

Lab File: VL033722.D

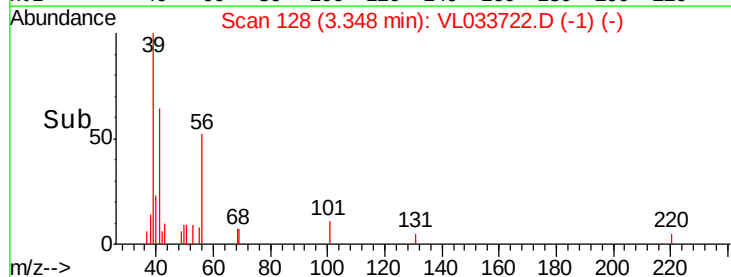
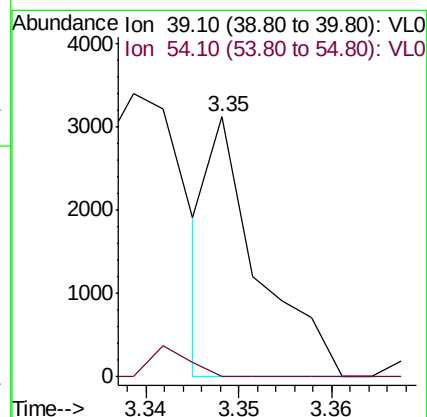
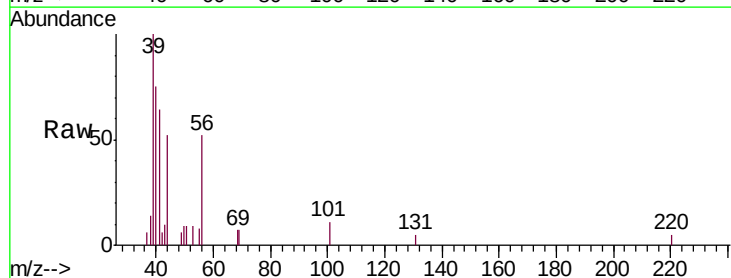
Acq: 20 May 2019 12:54

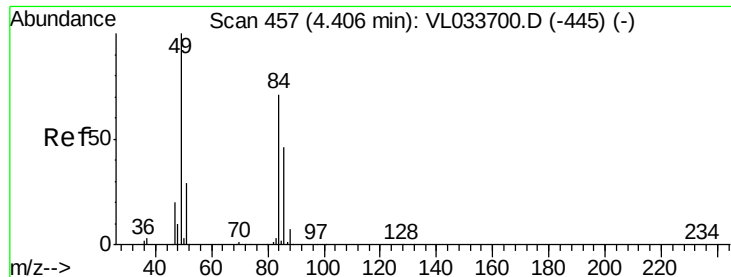
Tgt Ion: 39 Resp: 1148

Ion Ratio Lower Upper

39 100

54 0.0 69.0 103.6#





#20

Methylene Chloride

Concen: 0.147 ppbv

RT: 4.40 min Scan# 456

Delta R.T. -0.00 min

Lab File: VL033722.D

Acq: 20 May 2019 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABL01

Tgt Ion: 84 Resp: 8185

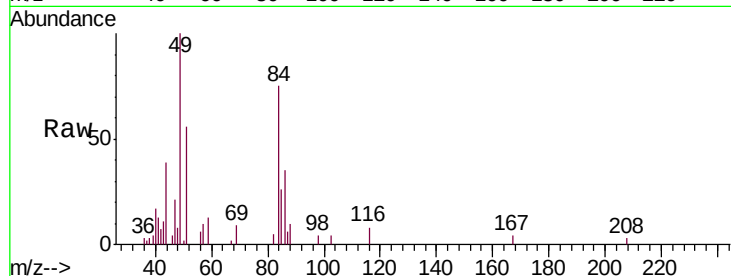
Ion Ratio Lower Upper

84 100

49 132.9 112.8 169.2

51 73.9 33.4 50.0#

86 46.1 51.7 77.5#

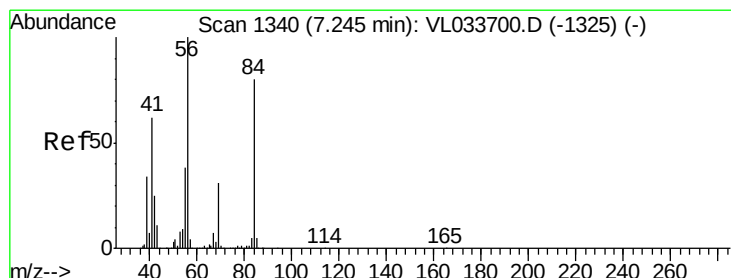
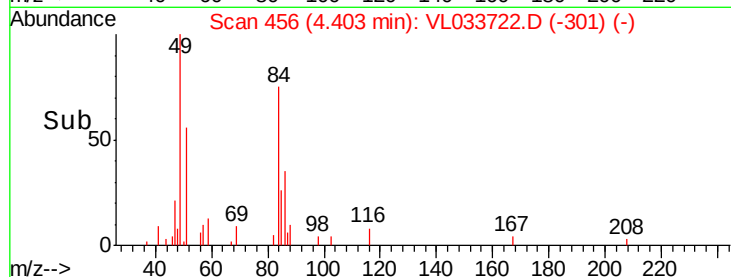
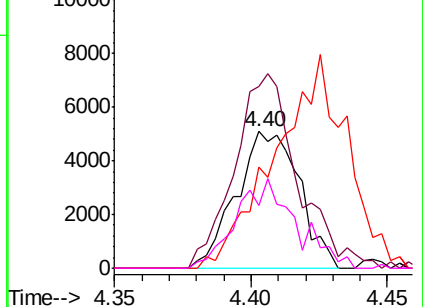


Abundance Ion 84.00 (83.70 to 84.70): VL0

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



#30

Cyclohexane

Concen: 0.048 ppbv

RT: 7.26 min Scan# 1346

Delta R.T. 0.02 min

Lab File: VL033722.D

Acq: 20 May 2019 12:54

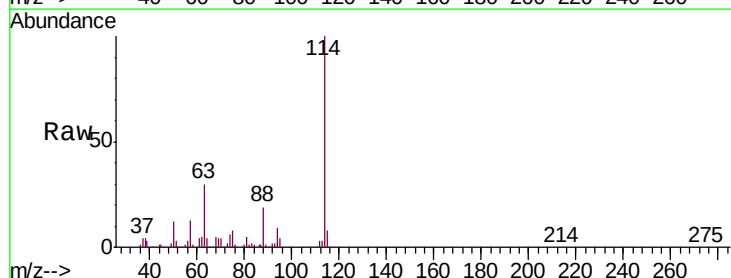
Tgt Ion: 84 Resp: 4370

Ion Ratio Lower Upper

84 100

56 0.0 107.7 161.5#

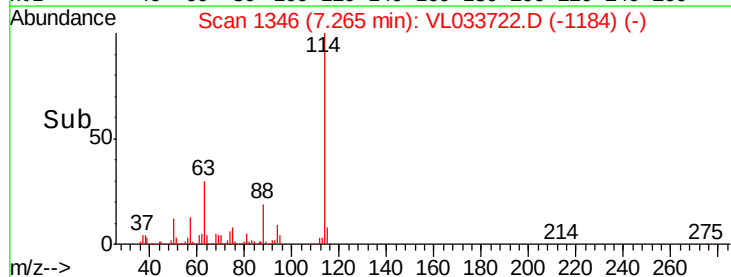
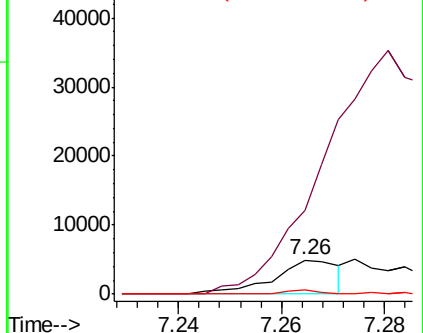
41 7.3 66.0 99.0#

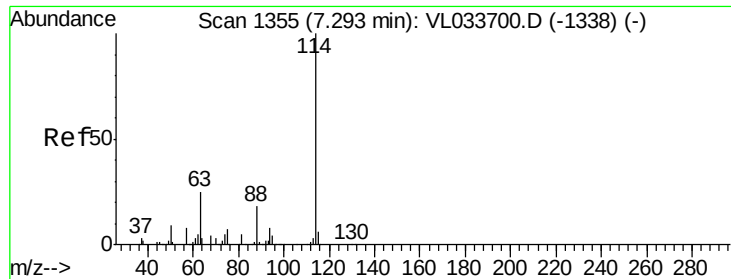


Abundance Ion 84.20 (83.90 to 84.90): VL0

Ion 56.10 (55.80 to 56.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

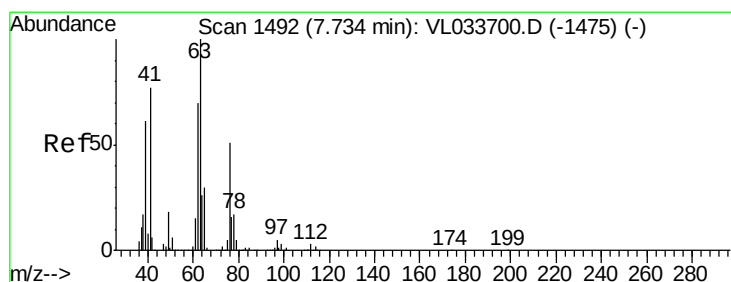
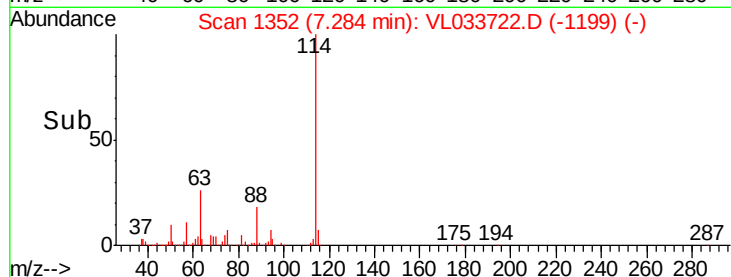
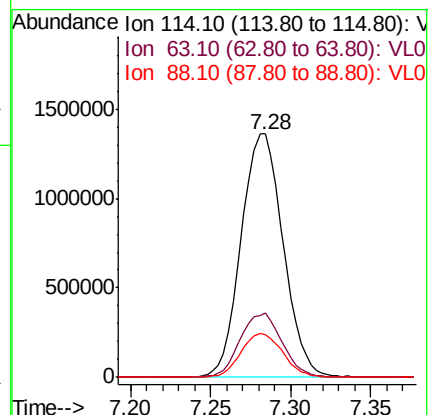
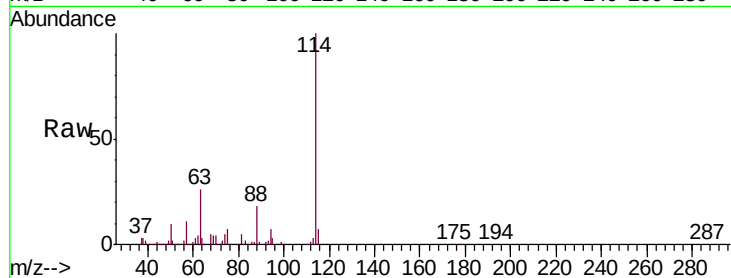




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033722.D
 Acq: 20 May 2019 12:54

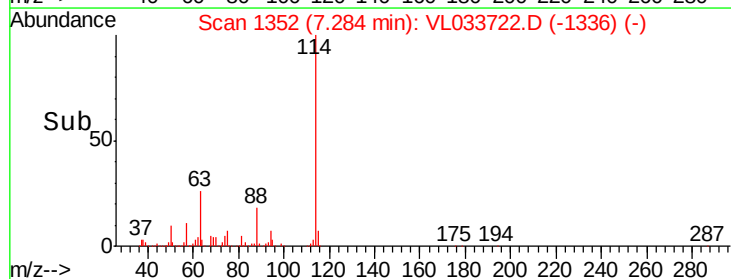
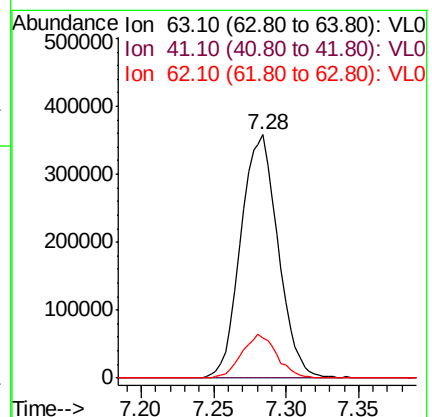
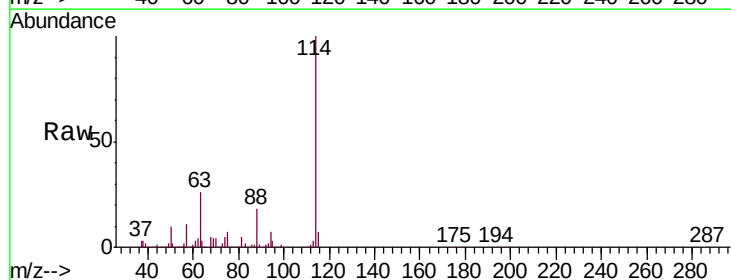
Instrument :
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 ClientSampleId :
 VL0520ABL01

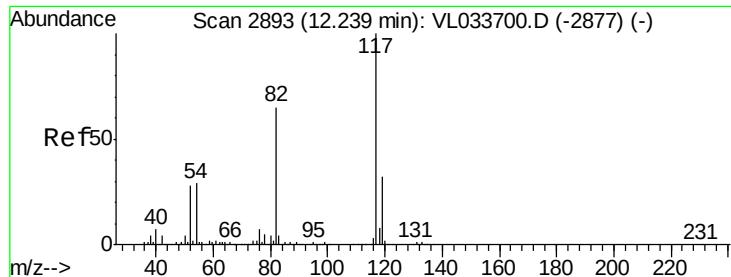
Tgt Ion: 114 Resp: 2436257
 Ion Ratio Lower Upper
 114 100
 63 26.4 20.9 31.3
 88 18.0 14.3 21.5



#39
 1,2-Dichloropropane
 Concen: 7.775 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.45 min
 Lab File: VL033722.D
 Acq: 20 May 2019 12:54

Tgt Ion: 63 Resp: 642414
 Ion Ratio Lower Upper
 63 100
 41 0.1 61.5 92.3#
 62 16.7 56.2 84.4#

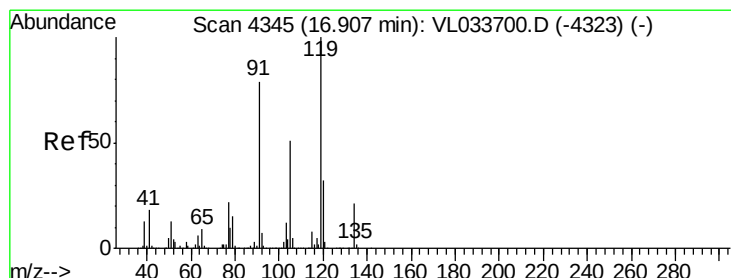
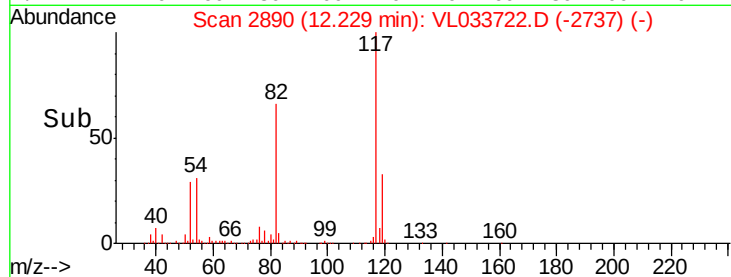
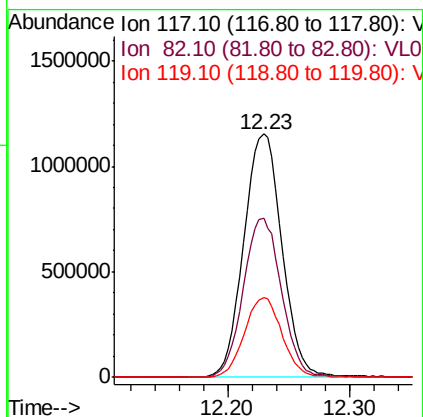
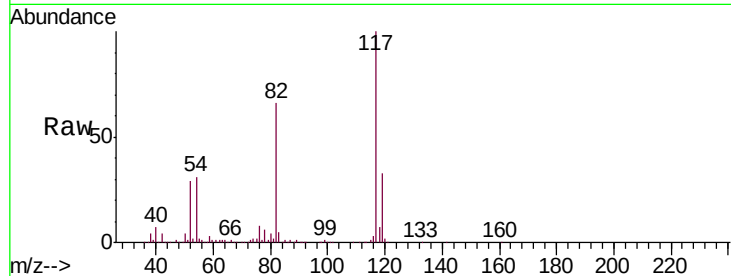




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL033722.D
Acq: 20 May 2019 12:54

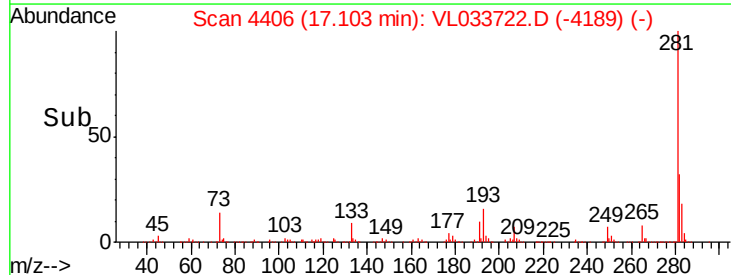
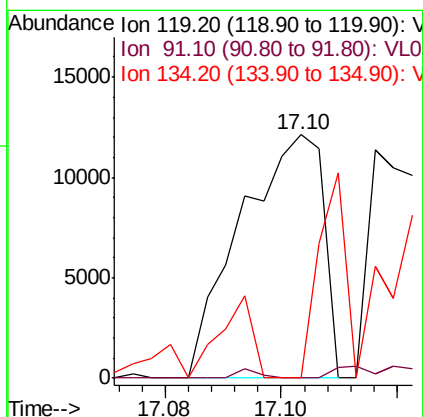
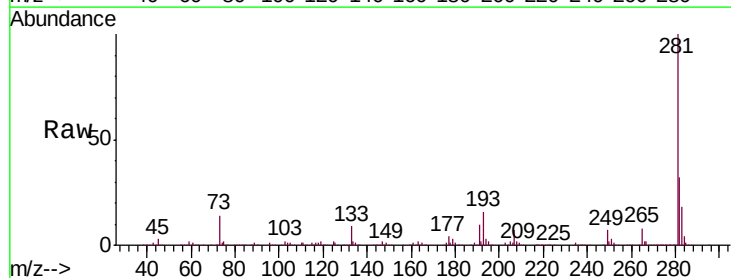
Instrument :
MSVOA_L
ClientSampleId :
VL0520ABL01

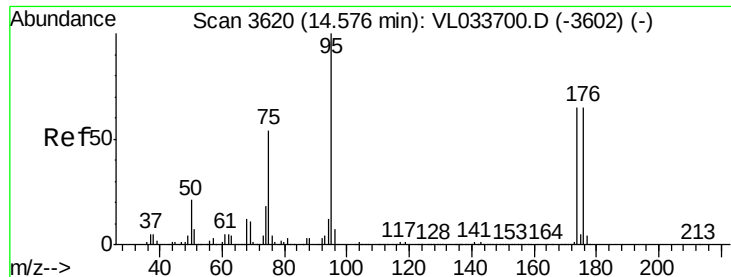
Tgt Ion:117 Resp: 2486566
Ion Ratio Lower Upper
117 100
82 66.2 49.4 74.0
119 32.5 24.9 37.3



#65
tert-Butylbenzene
Concen: 0.034 ppbv
RT: 17.10 min Scan# 4406
Delta R.T. 0.20 min
Lab File: VL033722.D
Acq: 20 May 2019 12:54

Tgt Ion:119 Resp: 12011
Ion Ratio Lower Upper
119 100
91 1.0 65.3 97.9#
134 0.0 15.7 23.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.898 ppbv

RT: 14.56 min Scan# 3616

Delta R.T. -0.01 min

Lab File: VL033722.D

Acq: 20 May 2019 12:54

Instrument :

MSVOA_L

ClientSampleId :

VL0520ABL01

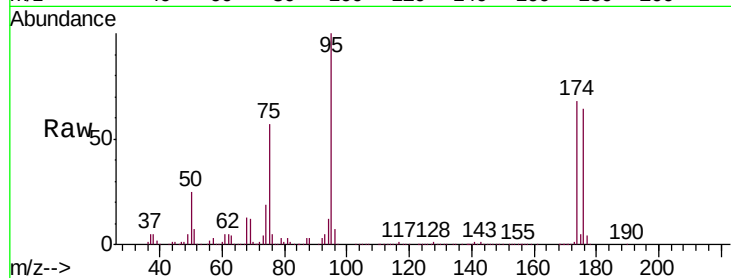
Tgt Ion: 95 Resp: 1995321

Ion Ratio Lower Upper

95 100

174 67.8 53.9 80.9

175 4.9 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

