

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112018\
 Data File : VL032797.D
 Acq On : 21 Nov 2018 3:14
 Operator : SY/AP
 Sample : J5998-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 21 04:09:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1326797	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.30	114	3370340	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3067131	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	2398052	10.45	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

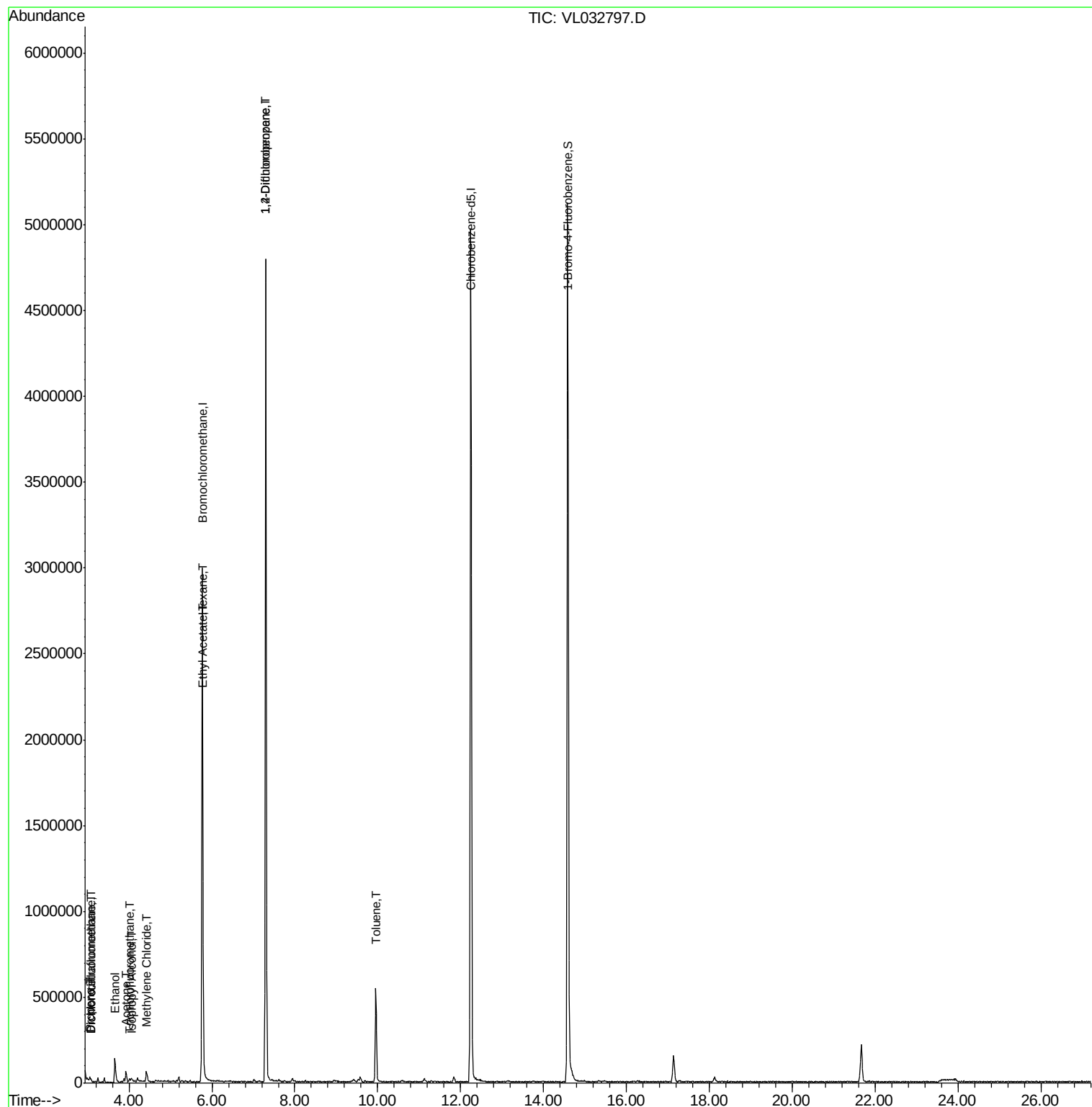
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.08	85	10733	0.056	ppbv #	86
8) Dichlorotetrafluoroethane	3.08	85	10733	0.071	ppbv #	19
9) Propene	3.05	41	5199	0.124	ppbv	90
11) Trichlorofluoromethane	4.01	101	12730	0.071	ppbv	89
13) Ethanol	3.66	45	150885	10.943	ppbv	98
15) Acetone	3.93	43	48539	0.401	ppbv	100
19) Isopropyl Alcohol	4.06	45	13029	0.161	ppbv #	96
20) Methylene Chloride	4.42	84	19984	0.319	ppbv #	87
25) Ethyl Acetate	5.79	43	11668	0.041	ppbv #	77
26) Hexane	5.79	57	6863	0.055	ppbv #	31
39) 1,2-Dichloropropane	7.30	63	829311	8.110	ppbv #	23
53) Toluene	9.96	91	382341	1.366	ppbv	99

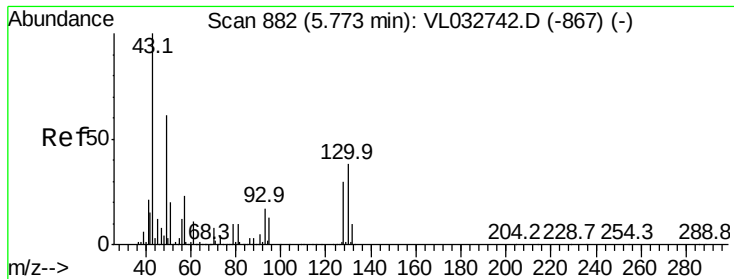
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

Lab File: VL032797.D

Acq: 21 Nov 2018 3:14

Instrument :
MSVOA_L
ClientSampleId :

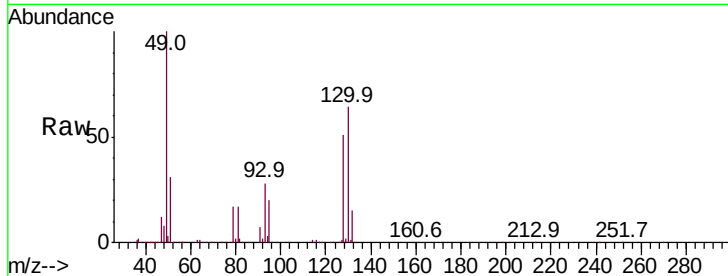
Tot Ion: 49 Resp: 1326797

Ion	Ratio	Lower	Upper
49	100		
128	52.9	24.9	74.6
130	67.8	31.4	94.2

49 100

128 52.9 24.9 74.6

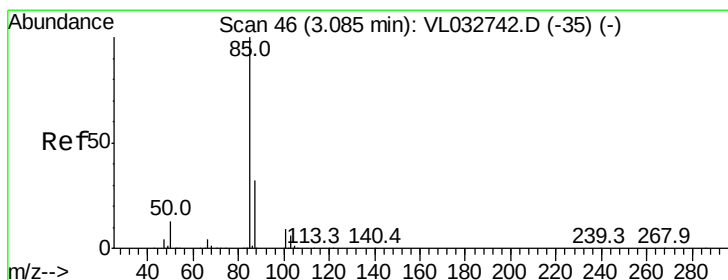
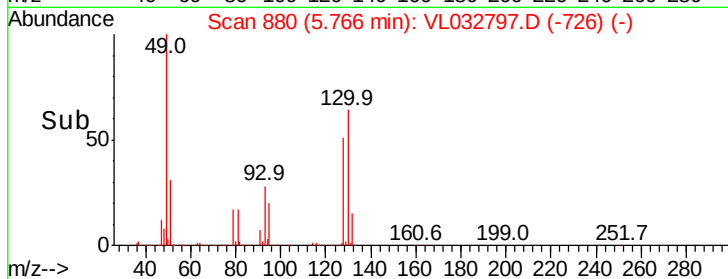
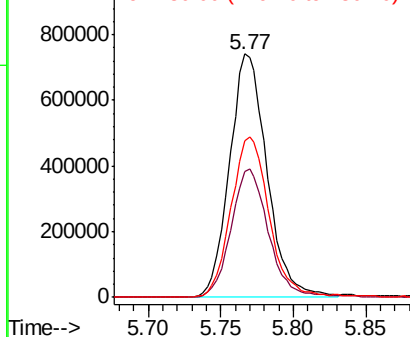
130 67.8 31.4 94.2



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



#2

Dichlorodifluoromethane

Concen: 0.056 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.00 min

Lab File: VL032797.D

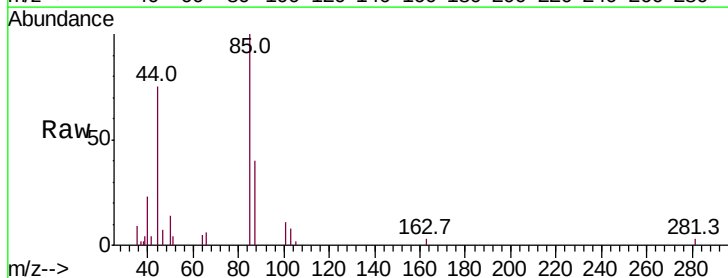
Acq: 21 Nov 2018 3:14

Tgt Ion: 85 Resp: 10733

Ion	Ratio	Lower	Upper
85	100		
87	40.4	26.0	39.0#

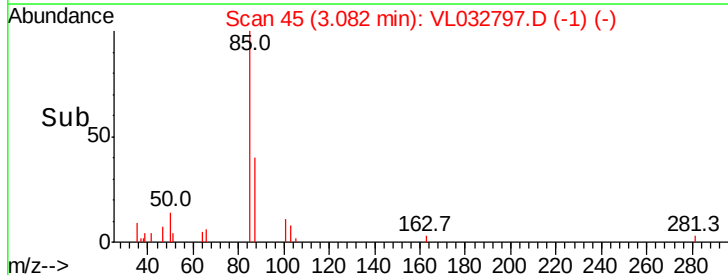
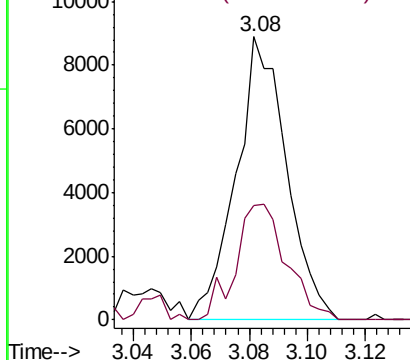
85 100

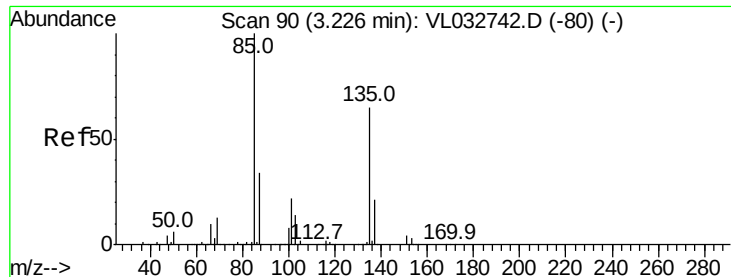
87 40.4 26.0 39.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#8

Dichlorotetrafluoroethane

Concen: 0.071 ppbv

RT: 3.08 min Scan# 45

Delta R.T. -0.14 min

Lab File: VL032797.D

Acq: 21 Nov 2018 3:14

Instrument :

MSVOA_L

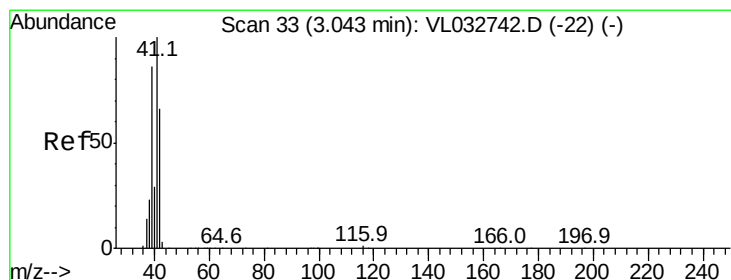
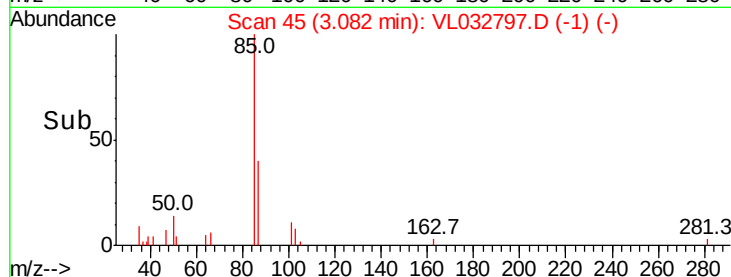
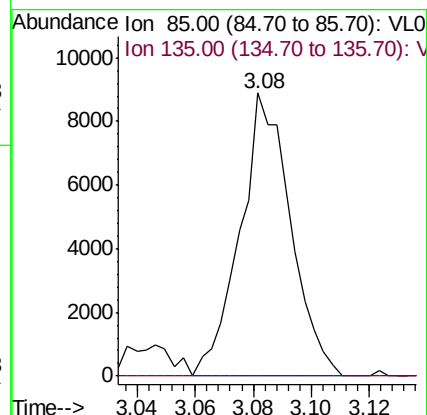
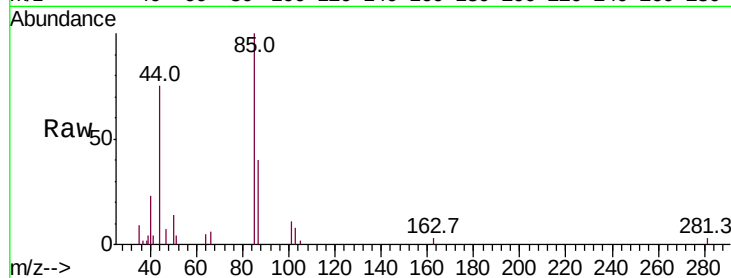
ClientSampleId :

Tot Ion: 85 Resp: 10733

Ion Ratio Lower Upper

85 100

135 2.4 53.8 80.8#



#9

Propene

Concen: 0.124 ppbv

RT: 3.05 min Scan# 36

Delta R.T. 0.01 min

Lab File: VL032797.D

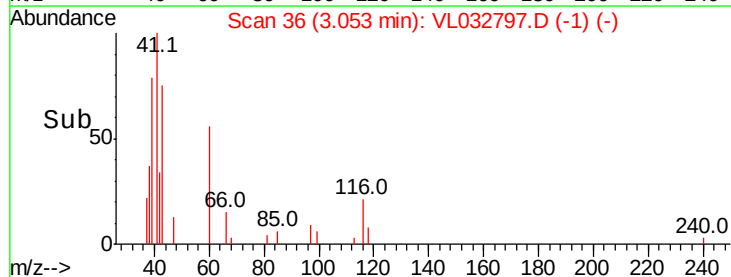
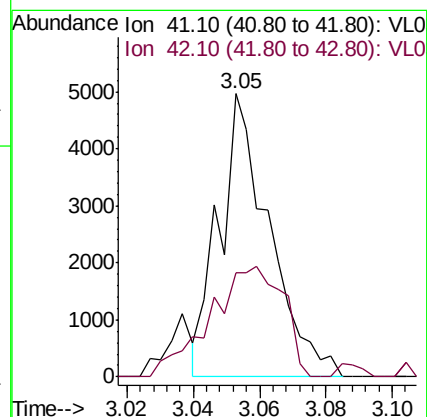
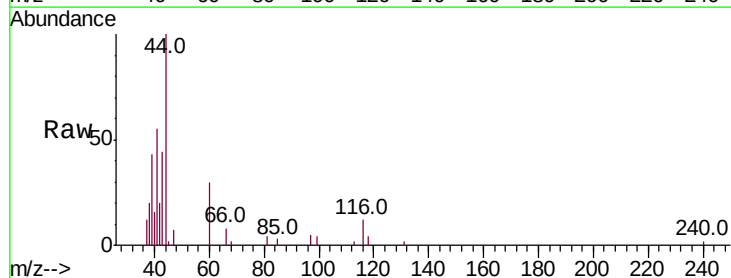
Acq: 21 Nov 2018 3:14

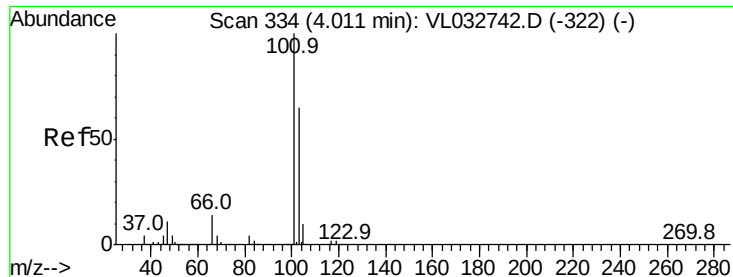
Tgt Ion: 41 Resp: 5199

Ion Ratio Lower Upper

41 100

42 60.4 55.0 82.6





#11

Trichlorofluoromethane

Concen: 0.071 ppbv

RT: 4.01 min Scan# 334

Delta R.T. 0.00 min

Lab File: VL032797.D

Acq: 21 Nov 2018 3:14

Instrument :

MSVOA_L

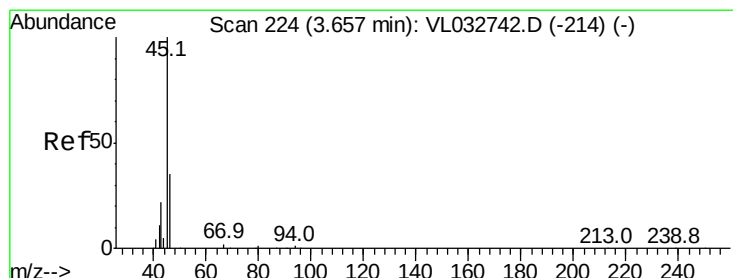
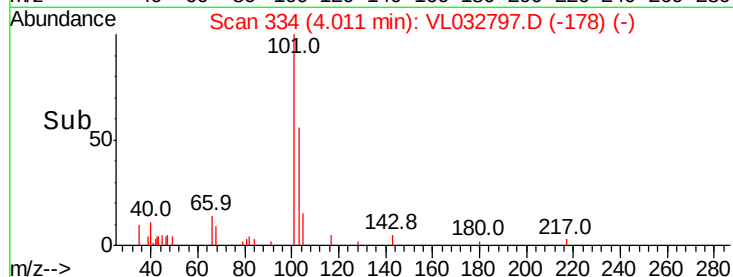
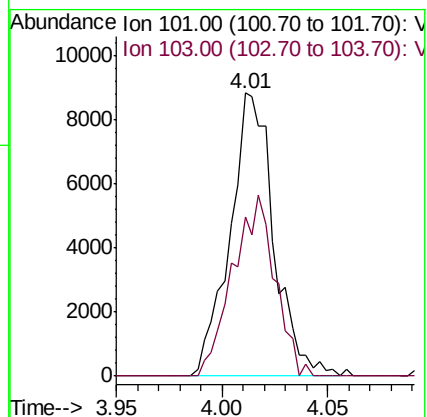
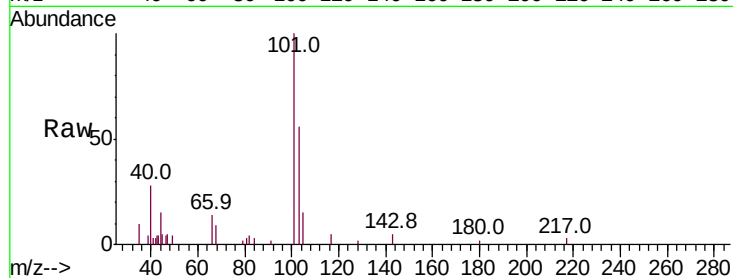
ClientSampleId :

Tot Ion:101 Resp: 12730

Ion Ratio Lower Upper

101 100

103 56.1 51.6 77.4



#13

Ethanol

Concen: 10.943 ppbv

RT: 3.66 min Scan# 226

Delta R.T. 0.01 min

Lab File: VL032797.D

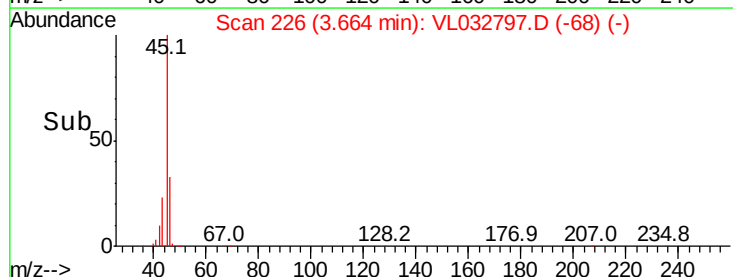
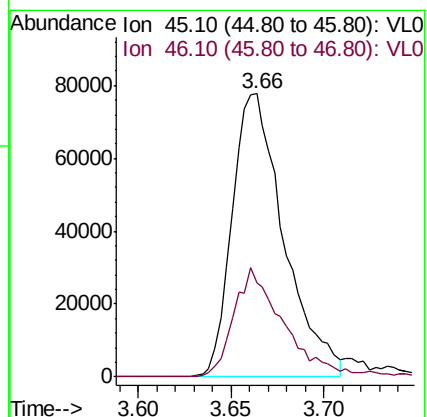
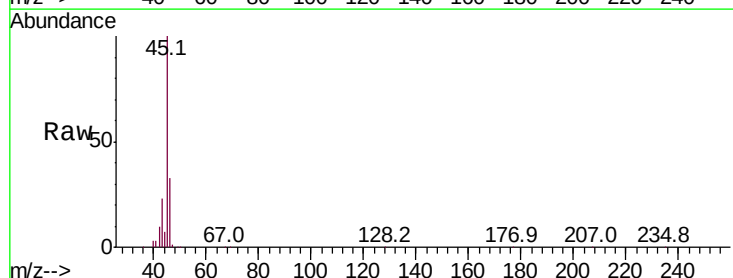
Acq: 21 Nov 2018 3:14

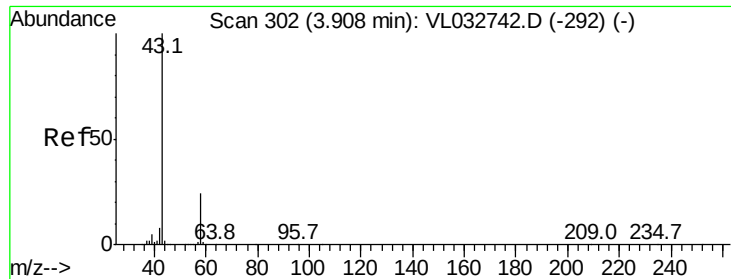
Tgt Ion: 45 Resp: 150885

Ion Ratio Lower Upper

45 100

46 37.6 14.5 57.9





#15

Acetone

Concen: 0.401 ppbv

RT: 3.93 min Scan# 308

Delta R.T. 0.02 min

Lab File: VL032797.D

Acq: 21 Nov 2018 3:14

Instrument :

MSVOA_L

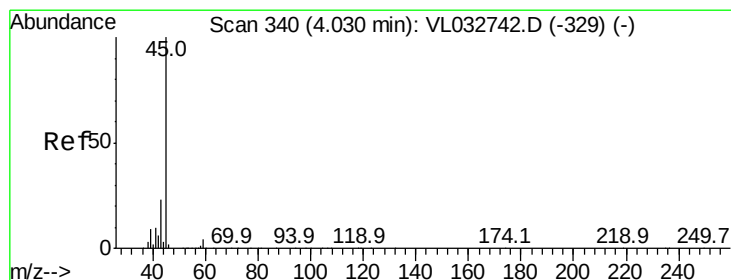
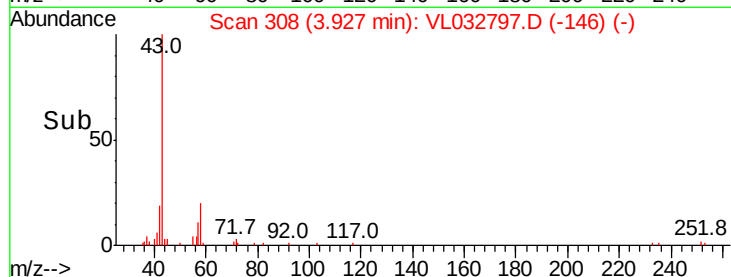
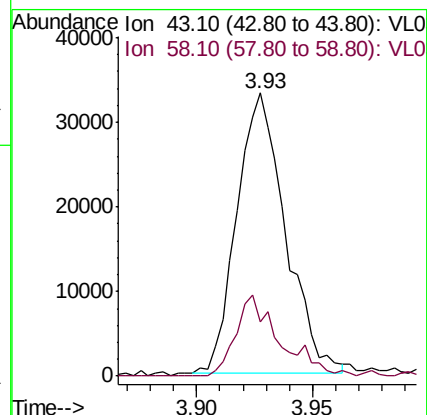
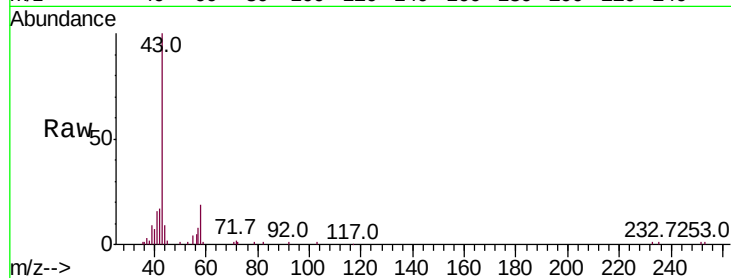
ClientSampleId :

Tot Ion: 43 Resp: 48539

Ion Ratio Lower Upper

43 100

58 26.6 21.1 31.7



#19

Isopropyl Alcohol

Concen: 0.161 ppbv

RT: 4.06 min Scan# 349

Delta R.T. 0.03 min

Lab File: VL032797.D

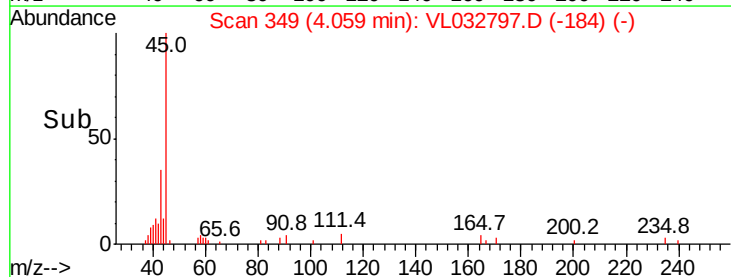
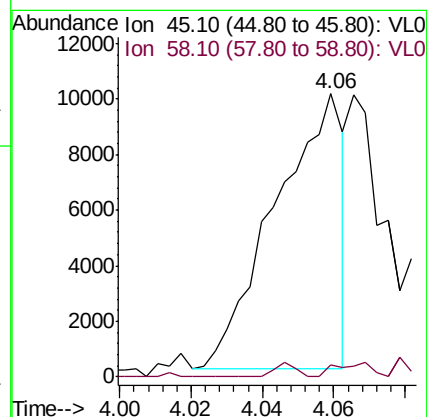
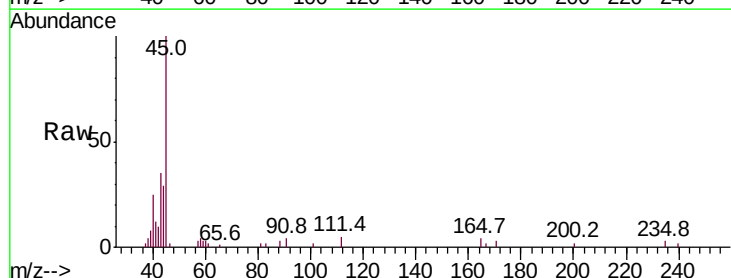
Acq: 21 Nov 2018 3:14

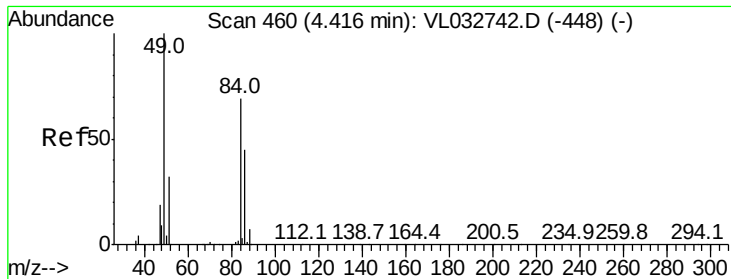
Tgt Ion: 45 Resp: 13029

Ion Ratio Lower Upper

45 100

58 3.3 1.4 2.0#

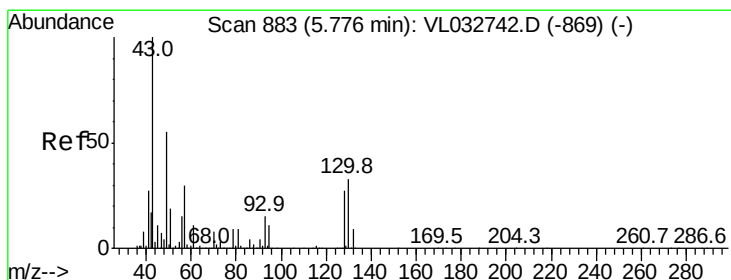
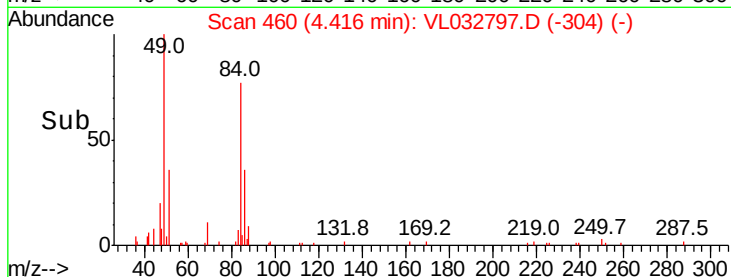
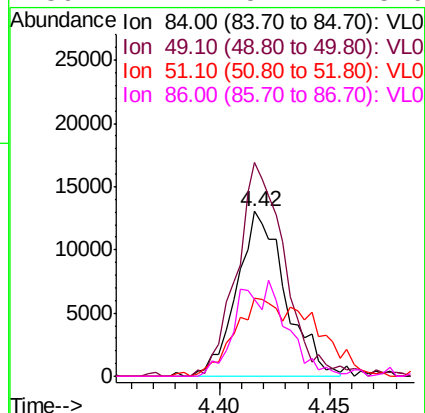
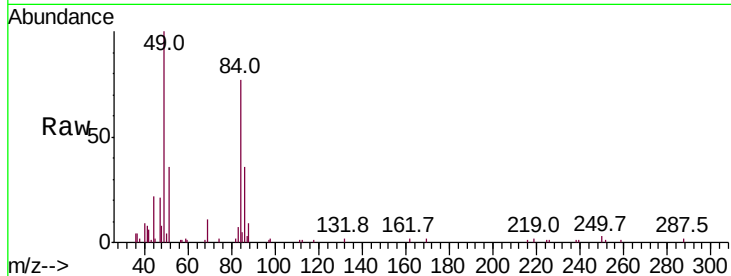




#20
Methvlene Chloride
Concen: 0.319 ppbv
RT: 4.42 min Scan# 460
Delta R.T. 0.00 min
Lab File: VL032797.D
Acq: 21 Nov 2018 3:14

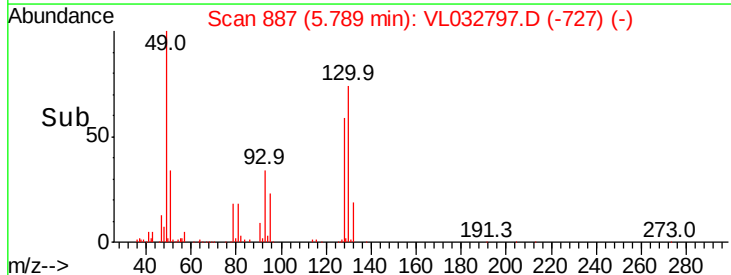
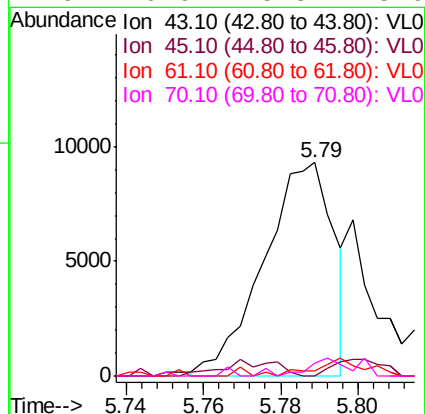
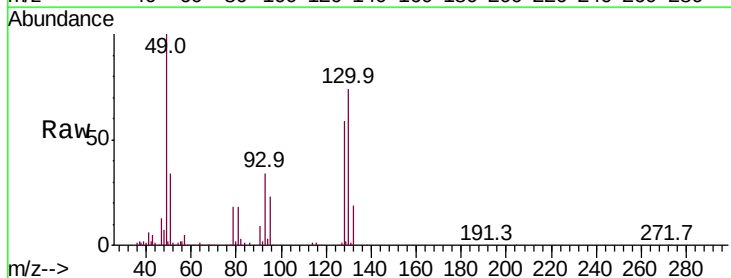
Instrument :
MSVOA_L
ClientSampleId :

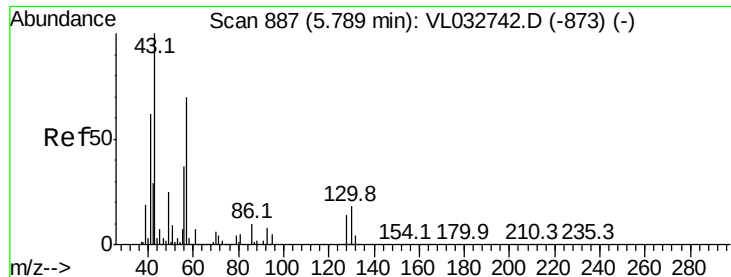
Tot Ion:	84	Resp:	19984
Ion	Ratio	Lower	Upper
84	100		
49	129.8	115.8	173.6
51	47.1	36.9	55.3
86	47.1	52.4	78.6#



#25
Ethyl Acetate
Concen: 0.041 ppbv
RT: 5.79 min Scan# 887
Delta R.T. 0.01 min
Lab File: VL032797.D
Acq: 21 Nov 2018 3:14

Tgt Ion:	43	Resp:	11668
Ion	Ratio	Lower	Upper
43	100		
45	0.4	7.9	11.9#
61	1.0	7.8	11.6#
70	0.6	5.8	8.6#





#26

Hexane

Concen: 0.055 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.00 min

Lab File: VL032797.D

Acq: 21 Nov 2018 3:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 6863

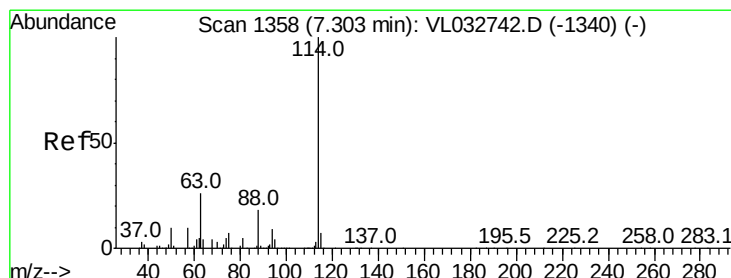
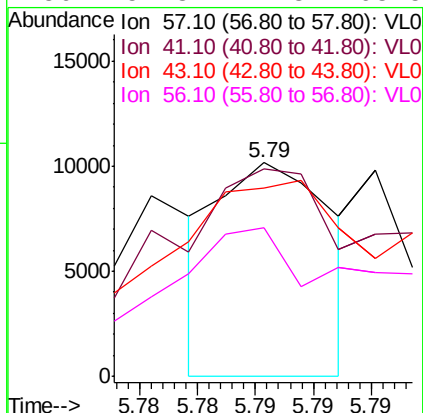
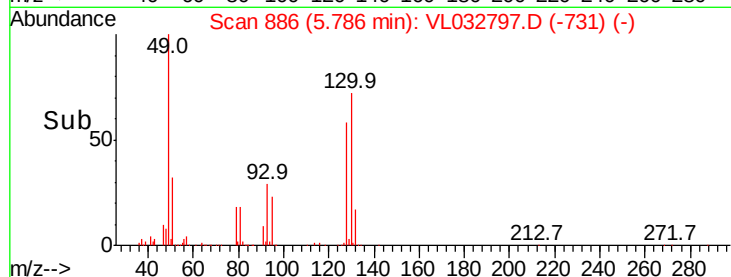
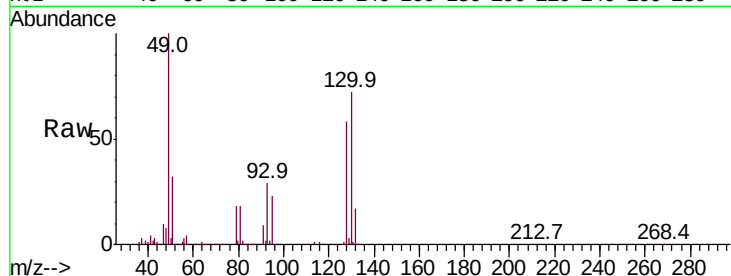
Ion Ratio Lower Upper

57 100

41 242.1 70.3 105.5#

43 235.1 174.0 261.0

56 157.8 42.3 63.5#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.01 min

Lab File: VL032797.D

Acq: 21 Nov 2018 3:14

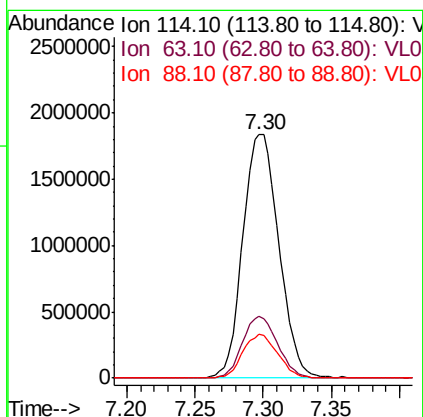
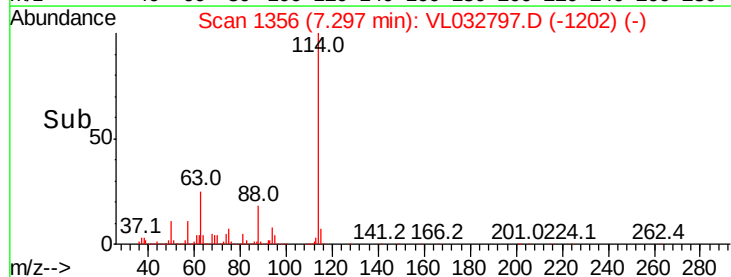
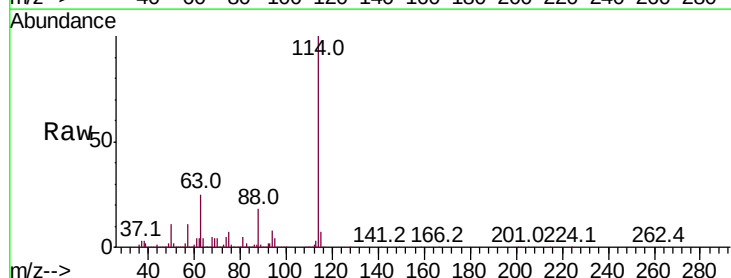
Tgt Ion:114 Resp: 3370340

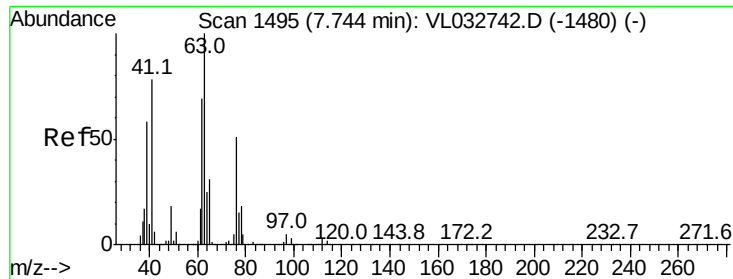
Ion Ratio Lower Upper

114 100

63 24.8 20.9 31.3

88 17.6 14.4 21.6





#39

1,2-Dichloropropane

Concen: 8.110 ppbv

RT: 7.30 min Scan# 1356

Delta R.T. -0.45 min

Lab File: VL032797.D

Acq: 21 Nov 2018 3:14

Instrument :

MSVOA_L

ClientSampleId :

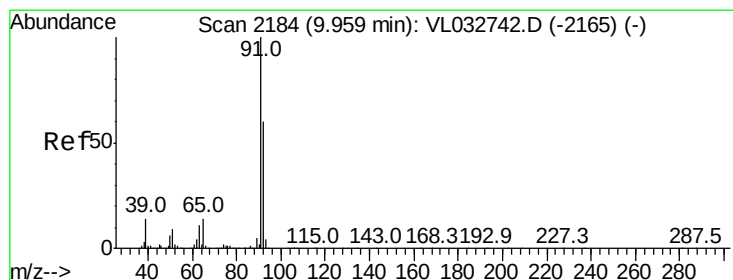
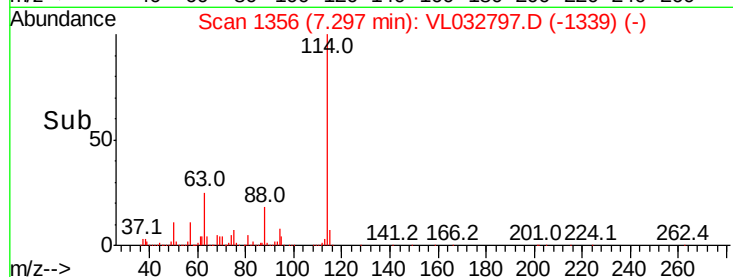
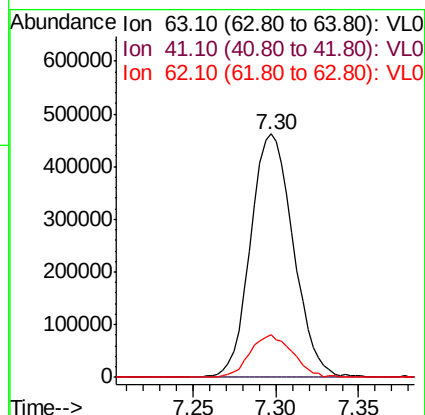
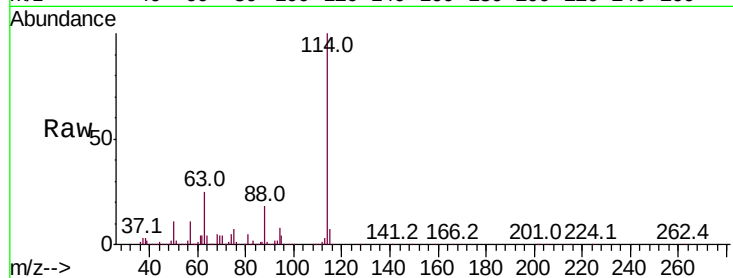
Tot Ion: 63 Resp: 829311

Ion Ratio Lower Upper

63 100

41 0.0 62.0 93.0#

62 17.7 55.4 83.2#



#53

Toluene

Concen: 1.366 ppbv

RT: 9.96 min Scan# 2183

Delta R.T. -0.00 min

Lab File: VL032797.D

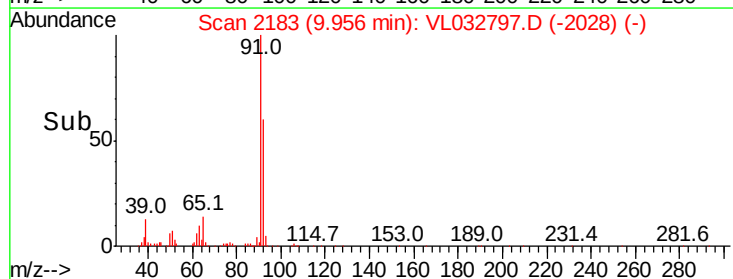
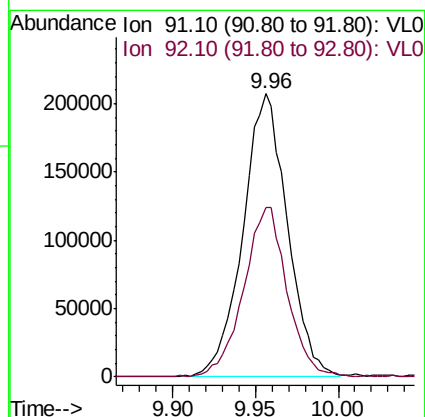
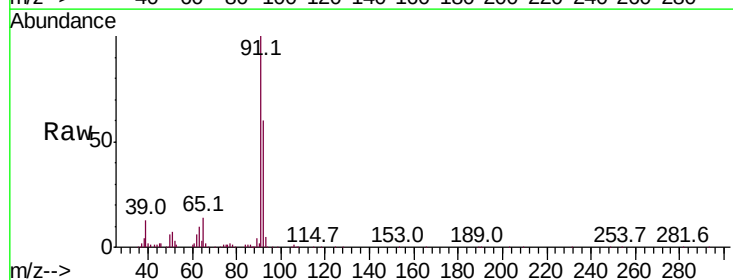
Acq: 21 Nov 2018 3:14

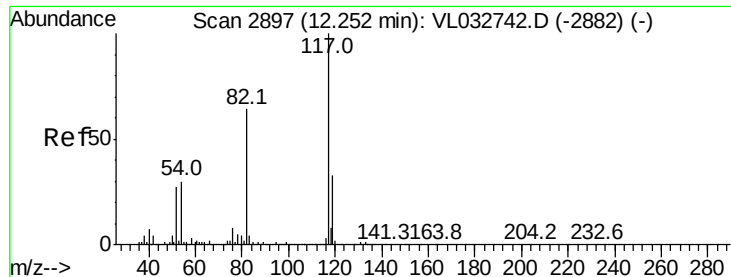
Tgt Ion: 91 Resp: 382341

Ion Ratio Lower Upper

91 100

92 59.4 47.9 71.9

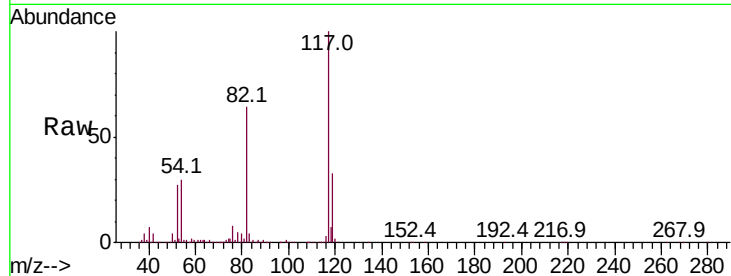




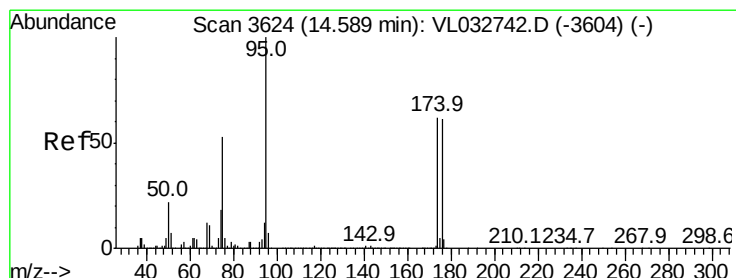
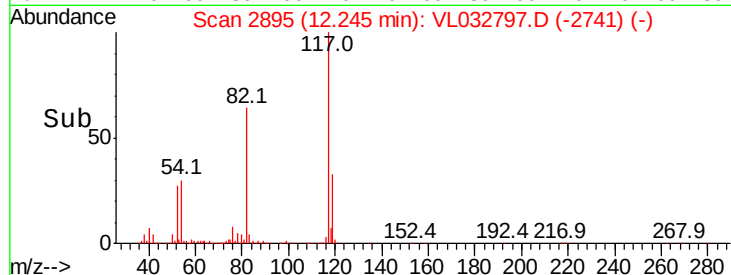
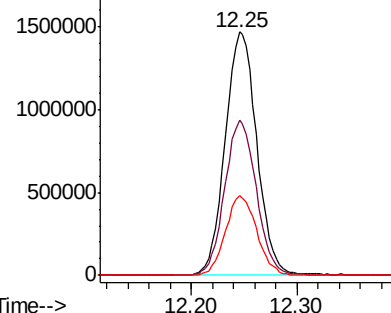
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032797.D
Acq: 21 Nov 2018 3:14

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3067131
Ion Ratio Lower Upper
117 100
82 64.1 51.0 76.6
119 32.7 28.0 42.0

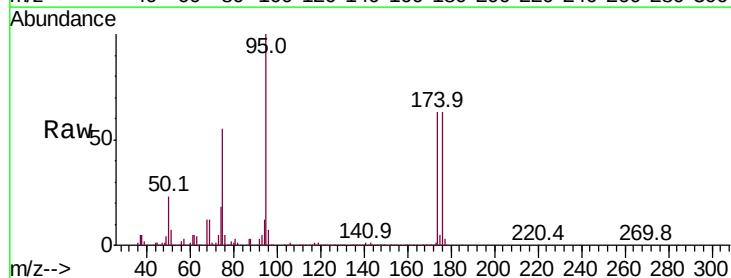


Abundance Ion 117.10 (116.80 to 117.80): V
2000000
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 10.453 ppbv
RT: 14.58 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL032797.D
Acq: 21 Nov 2018 3:14

Tgt Ion: 95 Resp: 2398052
Ion Ratio Lower Upper
95 100
174 66.9 50.7 76.1
175 4.9 3.8 5.6



Abundance Ion 95.10 (94.80 to 95.80): VL0
1500000
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

