

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032280.D
 Acq On : 19 Jul 2018 3:46
 Operator : SY/AP
 Sample : J3454-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 19 04:12:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 14:38:53 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1650312	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3244579	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4020393	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.67	95	3103946	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

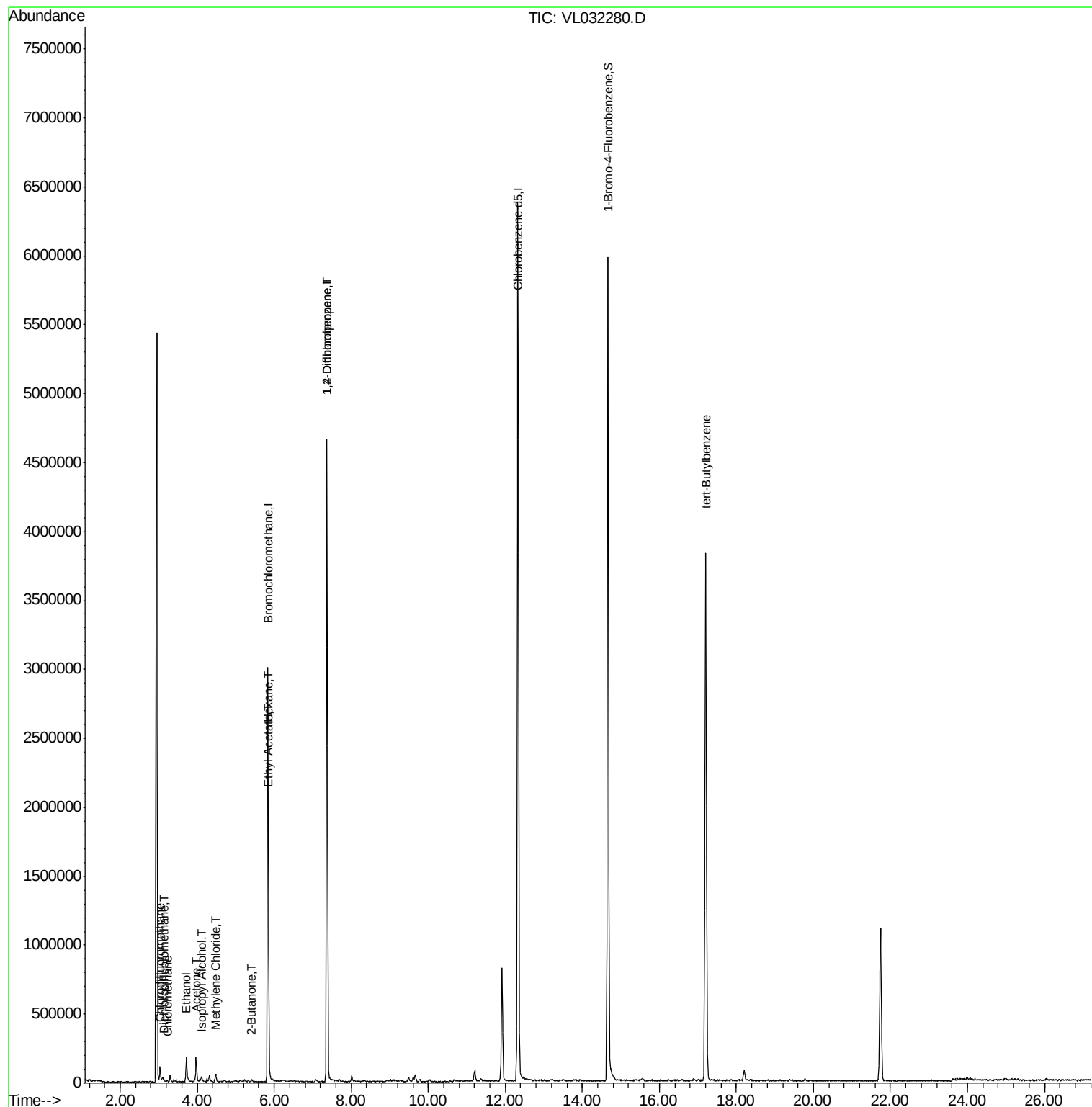
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.13	85	17173	0.061	ppbv	93
3) Chlorodifluoromethane	3.04	51	68271	0.369	ppbv #	68
4) Chloromethane	3.22	50	3521	0.032	ppbv #	74
13) Ethanol	3.71	45	190491	8.237	ppbv	99
15) Acetone	3.97	43	170696	0.988	ppbv	97
19) Isopropyl Alcohol	4.11	45	35981	0.308	ppbv #	85
20) Methylene Chloride	4.48	84	9995	0.150	ppbv	90
25) Ethyl Acetate	5.86	43	22096	0.059	ppbv #	91
26) Hexane	5.86	57	19006	0.110	ppbv #	57
34) 2-Butanone	5.41	43	6556	0.029	ppbv #	32
39) 1,2-Dichloropropane	7.37	63	904166	7.151	ppbv #	26
65) tert-Butylbenzene	17.20	119	44936	0.076	ppbv #	5

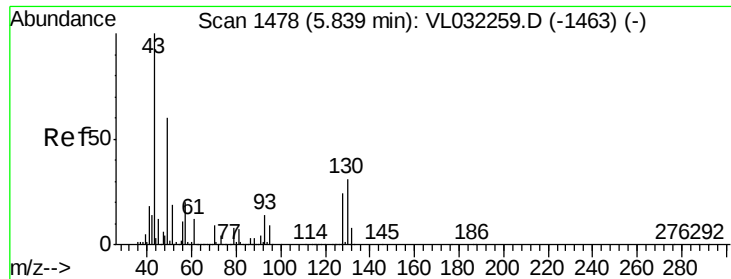
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071818\
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Misc : 400ml/MSVOA L
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MSVOA_L
ClientSampleId :

Quant Time: Jul 19 04:12:50 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 14:38:53 2018
QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VL032280.D

Acq: 19 Jul 2018 3:46

Instrument :
MSVOA_L
ClientSampled :

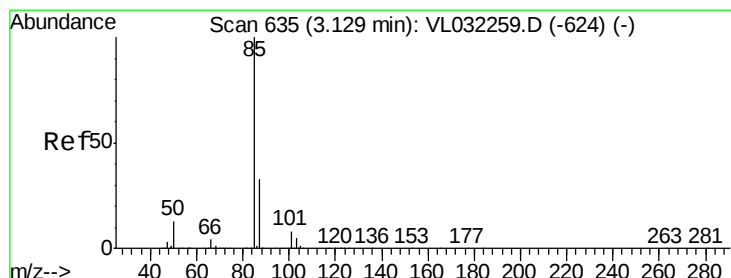
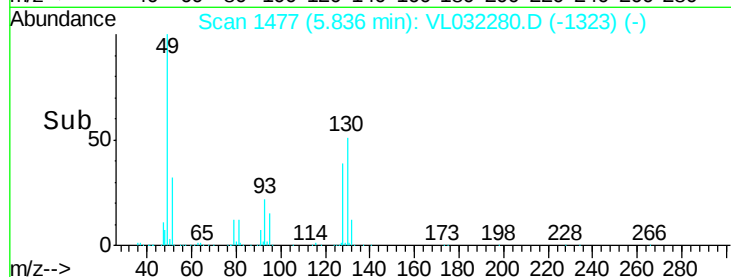
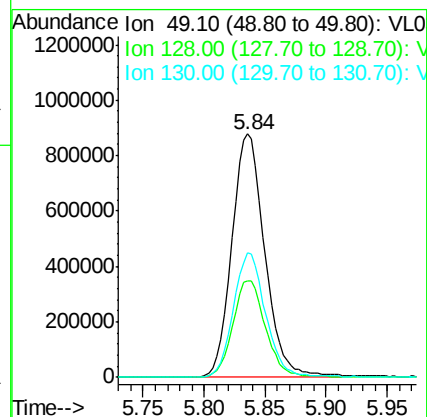
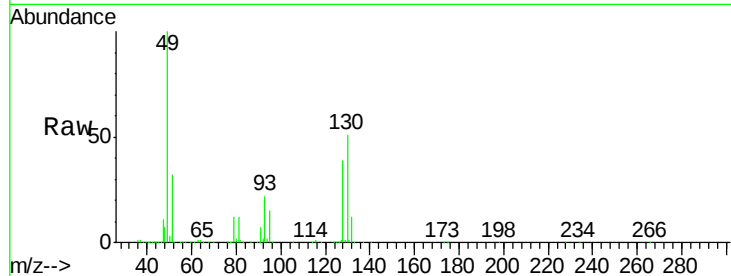
Tot Ion: 49 Resp: 1650312

Ion Ratio Lower Upper

49 100

128 39.7 20.1 60.2

130 50.9 25.9 77.6



#2

Dichlorodifluoromethane

Concen: 0.061 ppbv

RT: 3.13 min Scan# 635

Delta R.T. -0.00 min

Lab File: VL032280.D

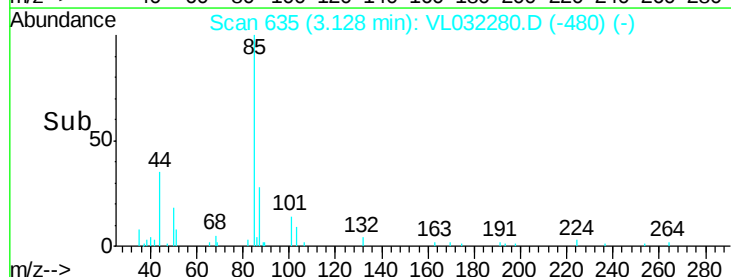
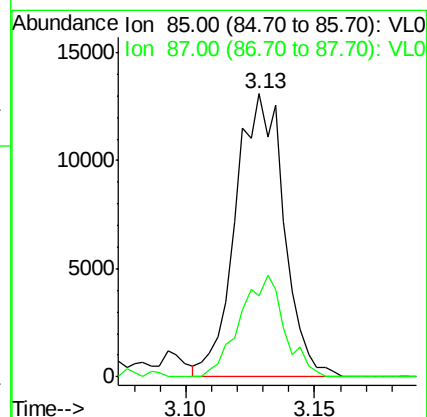
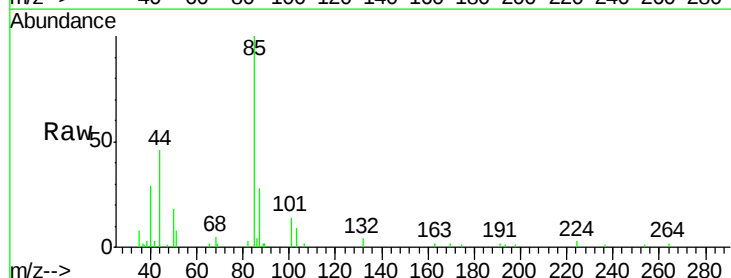
Acq: 19 Jul 2018 3:46

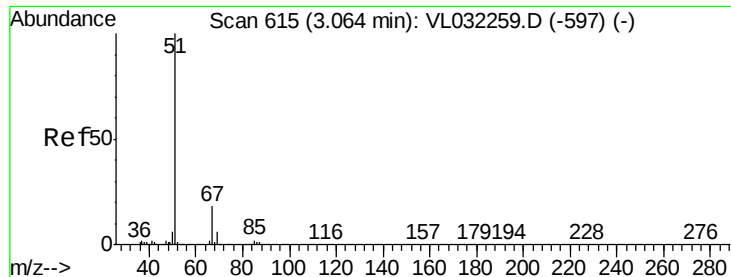
Tgt Ion: 85 Resp: 17173

Ion Ratio Lower Upper

85 100

87 28.5 26.2 39.2





#3

Chlorodifluoromethane

Concen: 0.369 ppbv

RT: 3.04 min Scan# 607

Delta R.T. -0.03 min

Lab File: VL032280.D

Acq: 19 Jul 2018 3:46

Instrument :

MSVOA_L

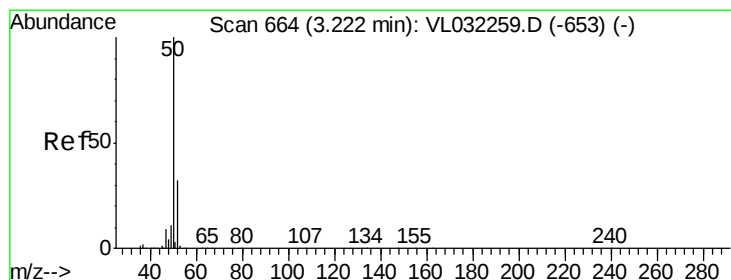
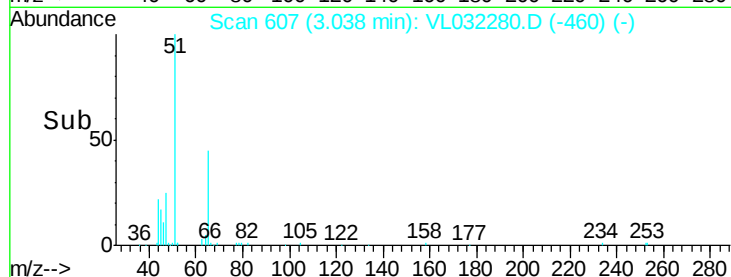
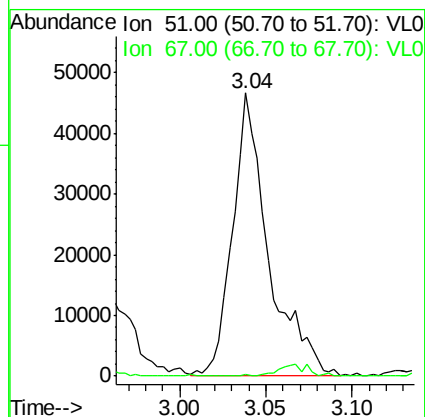
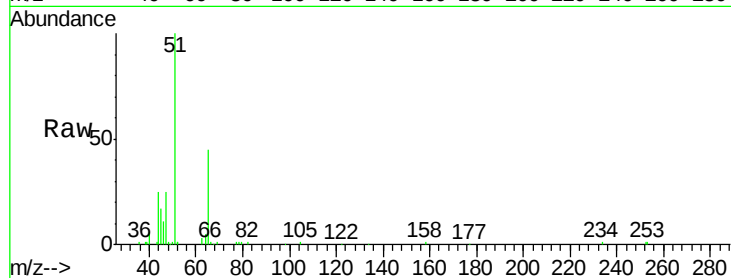
ClientSampleId :

Tot Ion: 51 Resp: 68271

Ion Ratio Lower Upper

51 100

67 3.5 14.2 21.4#



#4

Chloromethane

Concen: 0.032 ppbv

RT: 3.22 min Scan# 664

Delta R.T. -0.00 min

Lab File: VL032280.D

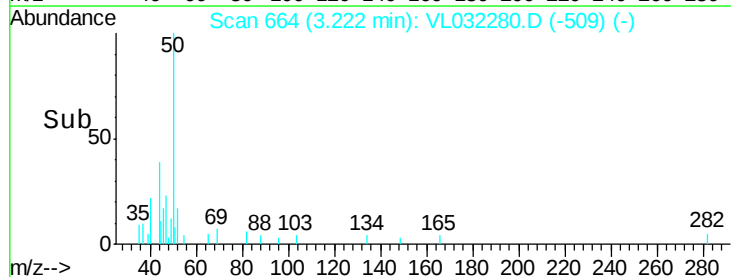
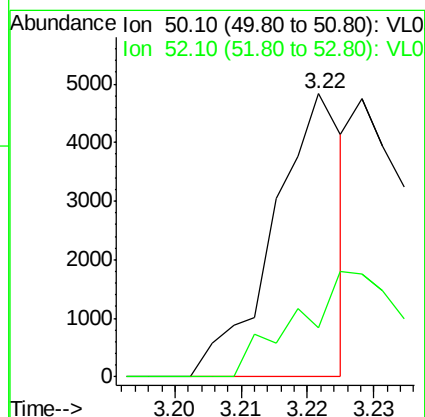
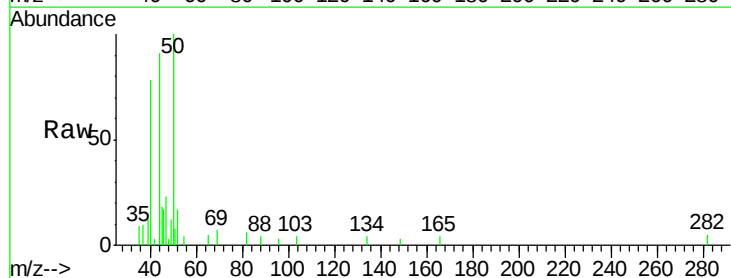
Acq: 19 Jul 2018 3:46

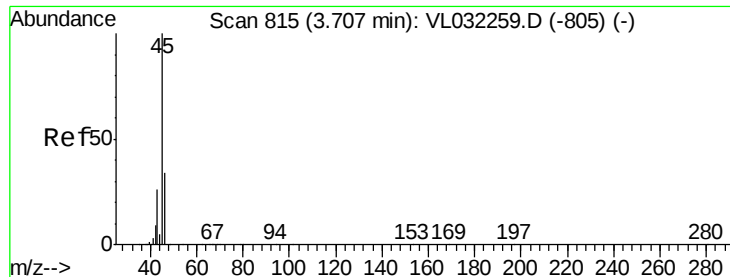
Tgt Ion: 50 Resp: 3521

Ion Ratio Lower Upper

50 100

52 17.3 25.3 37.9#

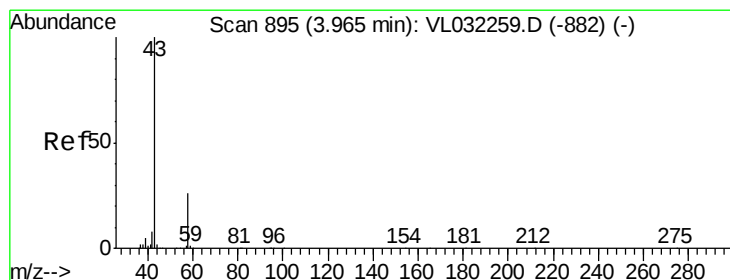
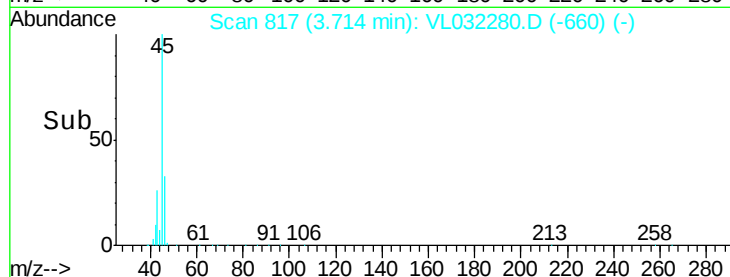
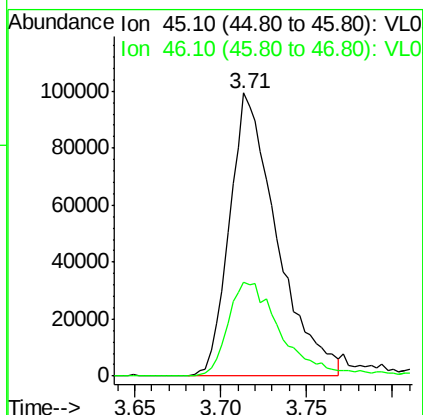
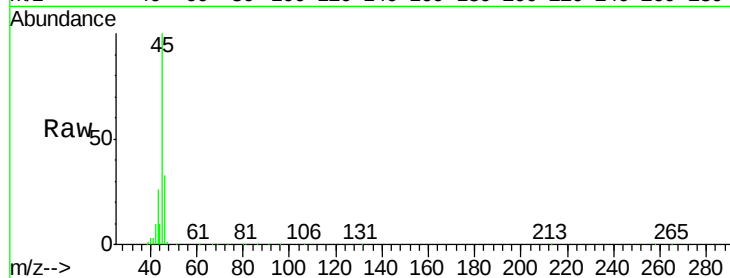




#13
Ethanol
Concen: 8.237 ppbv
RT: 3.71 min Scan# 817
Delta R.T. 0.01 min
Lab File: VL032280.D
Acq: 19 Jul 2018 3:46

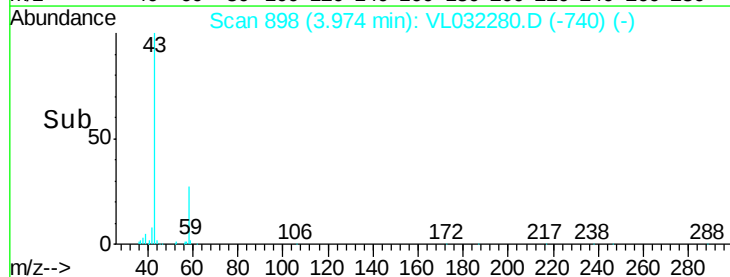
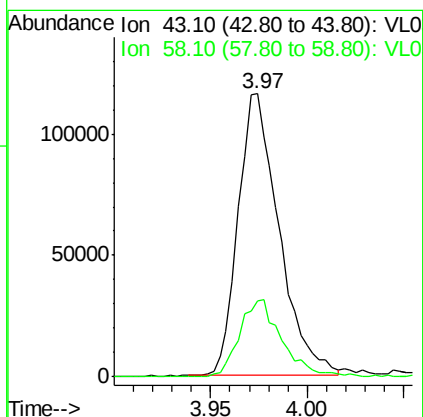
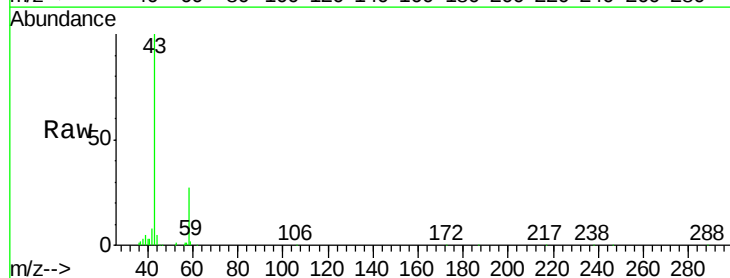
Instrument :
MSVOA_L
ClientSampled :

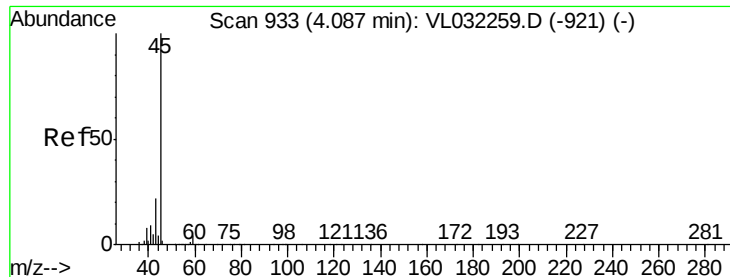
Tot Ion: 45 Resp: 190491
Ion Ratio Lower Upper
45 100
46 38.4 15.2 60.8



#15
Acetone
Concen: 0.988 ppbv
RT: 3.97 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL032280.D
Acq: 19 Jul 2018 3:46

Tgt Ion: 43 Resp: 170696
Ion Ratio Lower Upper
43 100
58 28.9 21.8 32.6





#19

Isopropyl Alcohol

Concen: 0.308 ppbv

RT: 4.11 min Scan# 941

Delta R.T. 0.03 min

Lab File: VL032280.D

Acq: 19 Jul 2018 3:46

Instrument :

MSVOA_L

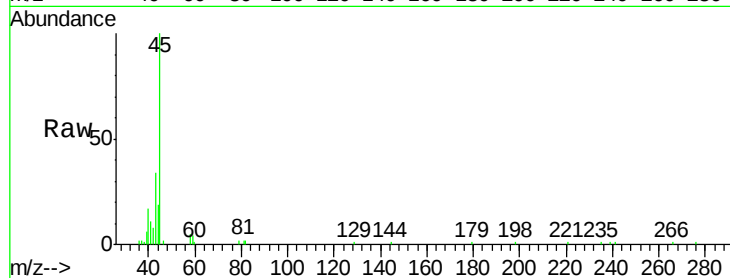
ClientSampleId :

Tot Ion: 45 Resp: 35981

Ion Ratio Lower Upper

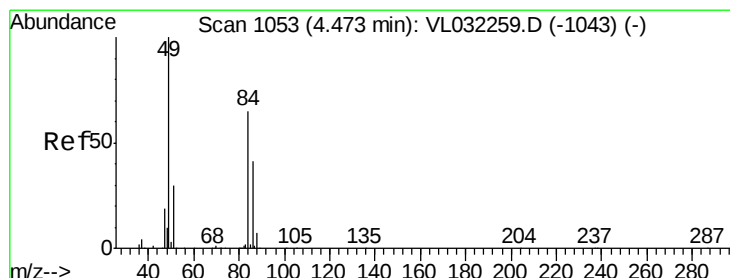
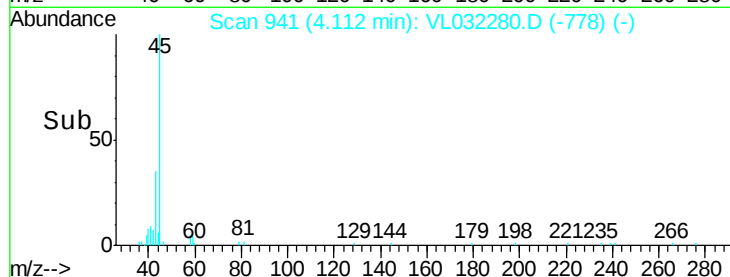
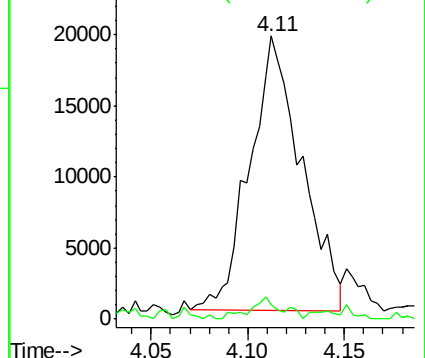
45 100

58 7.1 1.5 2.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.150 ppbv

RT: 4.48 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VL032280.D

Acq: 19 Jul 2018 3:46

Tgt Ion: 84 Resp: 9995

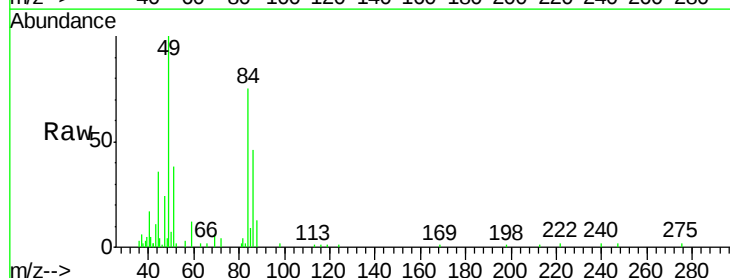
Ion Ratio Lower Upper

84 100

49 133.6 122.4 183.6

51 48.7 36.8 55.2

86 62.0 50.7 76.1

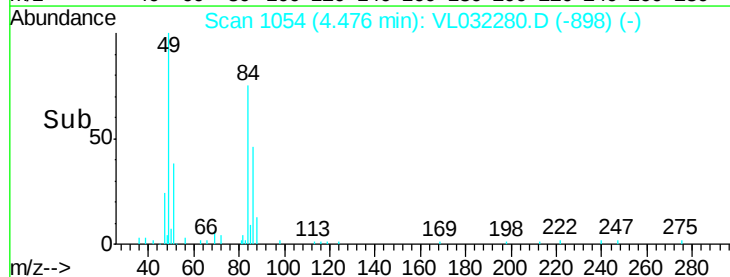
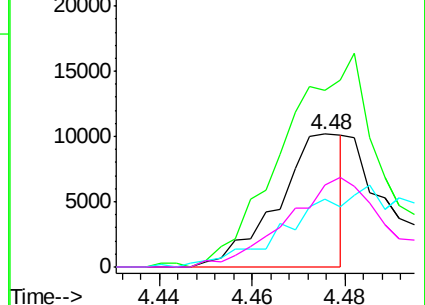


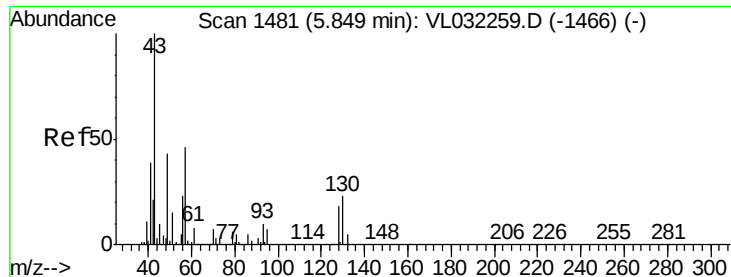
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

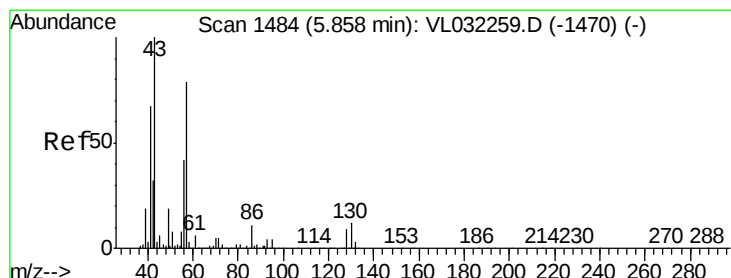
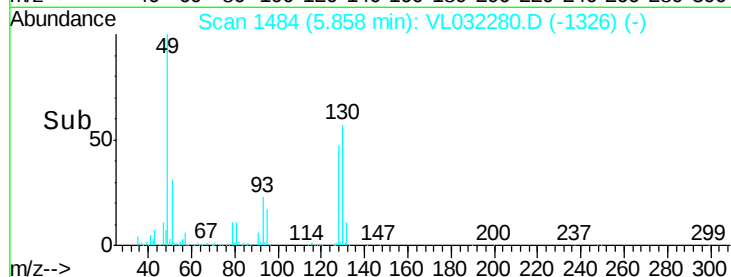
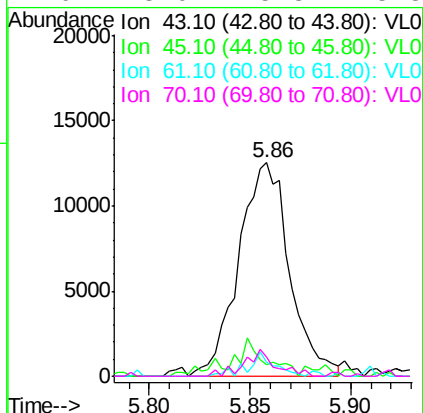
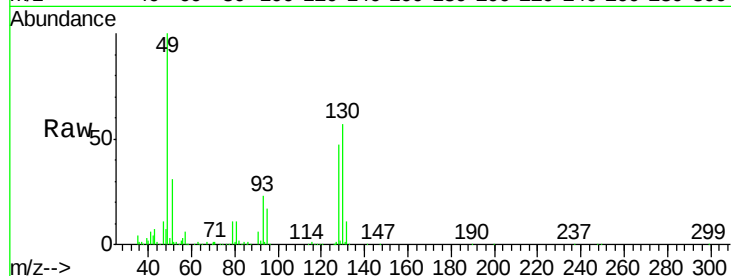




#25
Ethyl Acetate
Concen: 0.059 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. 0.01 min
Lab File: VL032280.D
Acq: 19 Jul 2018 3:46

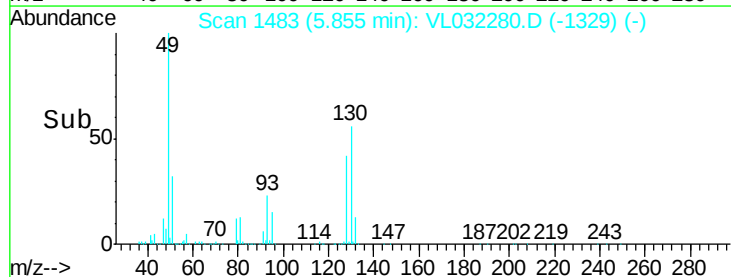
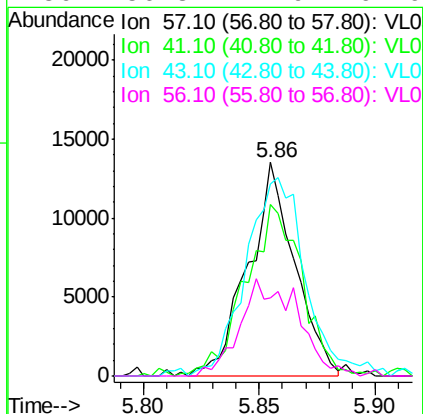
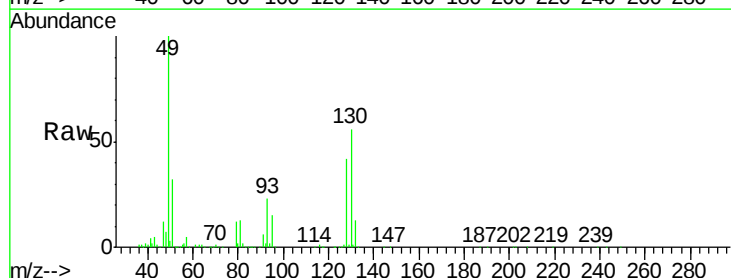
Instrument :
MSVOA_L
ClientSampled :

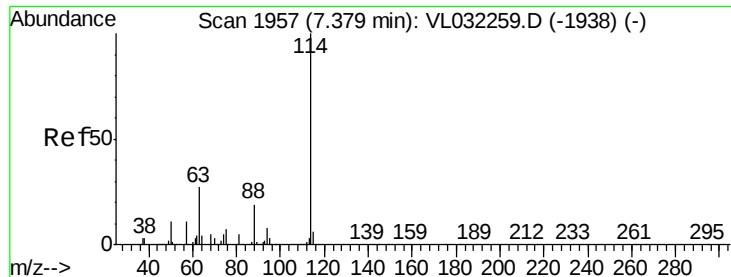
Tot Ion:	43	Resp:	22096
Ion	Ratio	Lower	Upper
43	100		
45	15.3	7.9	11.9#
61	6.4	7.6	11.4#
70	8.0	5.8	8.8



#26
Hexane
Concen: 0.110 ppbv
RT: 5.86 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL032280.D
Acq: 19 Jul 2018 3:46

Tgt Ion:	57	Resp:	19006
Ion	Ratio	Lower	Upper
57	100		
41	98.9	67.9	101.9
43	120.2	175.9	263.9#
56	56.3	41.9	62.9





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.37 min Scan# 1955

Delta R.T. -0.01 min

Lab File: VL032280.D

Acq: 19 Jul 2018 3:46

Instrument :

MSVOA_L

ClientSampleId :

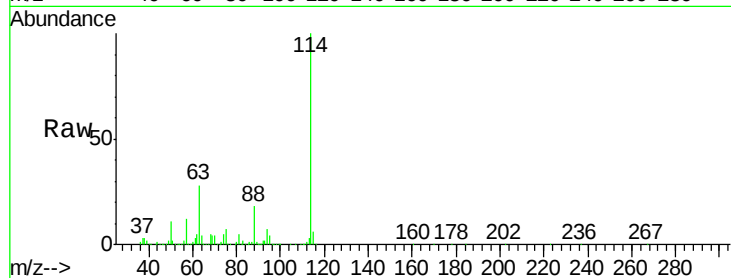
Tot Ion:114 Resp: 3244579

Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.6	33.8
88	18.9	15.2	22.8

114 100

63 28.3 22.6 33.8

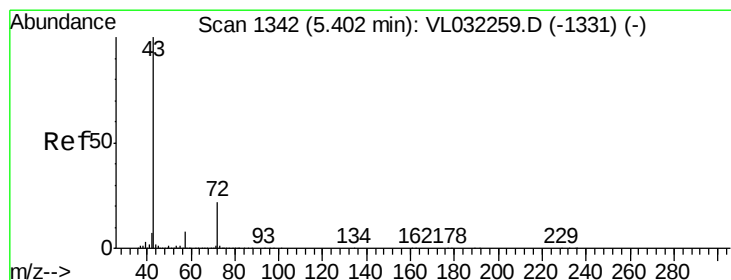
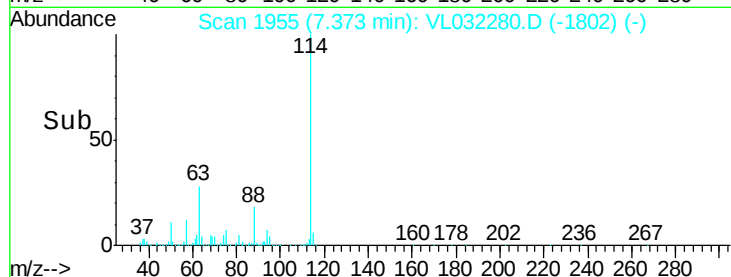
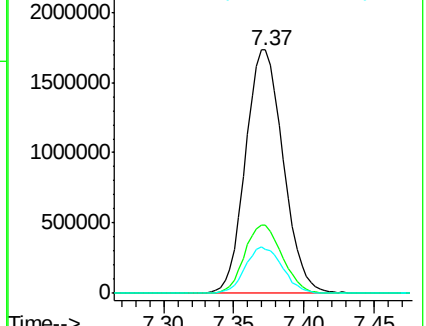
88 18.9 15.2 22.8



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



#34

2-Butanone

Concen: 0.029 ppbv

RT: 5.41 min Scan# 1346

Delta R.T. 0.01 min

Lab File: VL032280.D

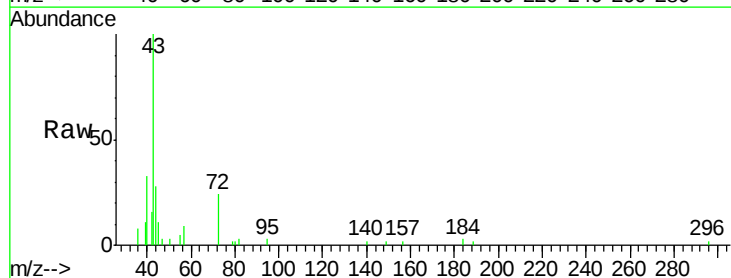
Acq: 19 Jul 2018 3:46

Tgt Ion: 43 Resp: 6556

Ion	Ratio	Lower	Upper
43	100		
72	54.3	17.7	26.5

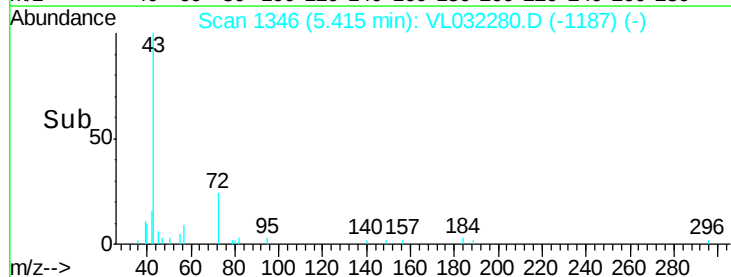
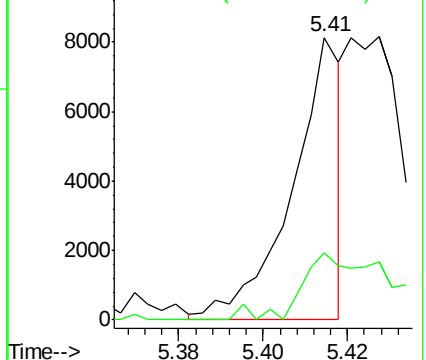
43 100

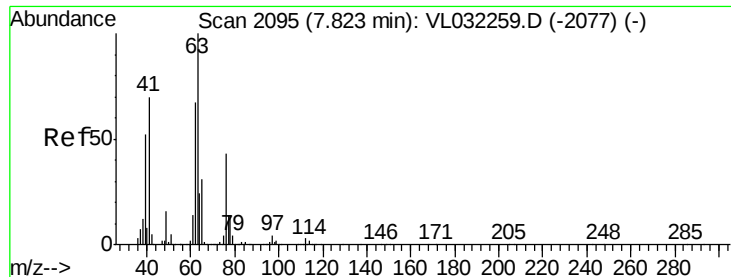
72 54.3 17.7 26.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

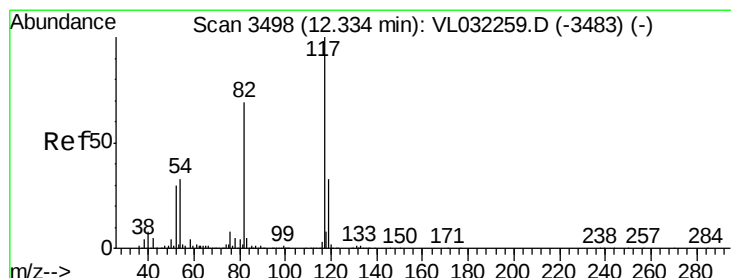
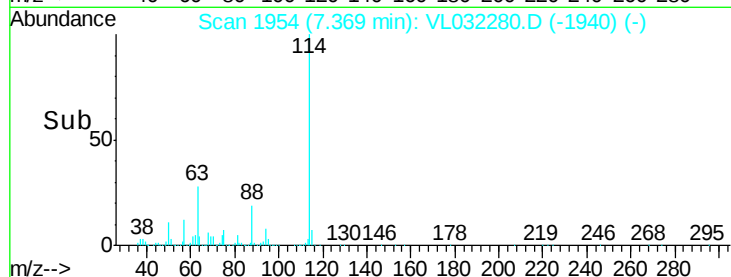
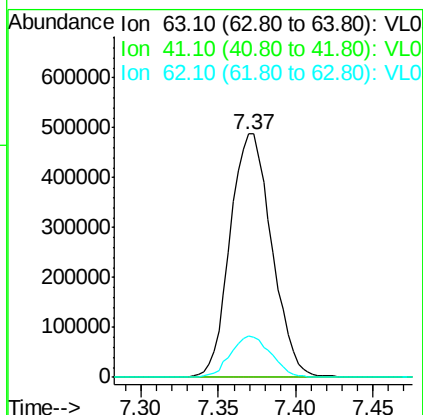
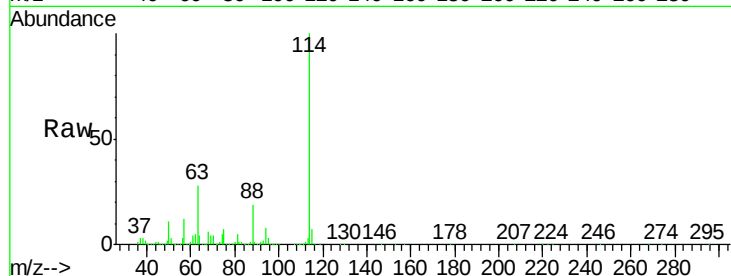




#39
 1,2-Dichloropropane
 Concen: 7.151 ppbv
 RT: 7.37 min Scan# 1954
 Delta R.T. -0.45 min
 Lab File: VL032280.D
 Acq: 19 Jul 2018 3:46

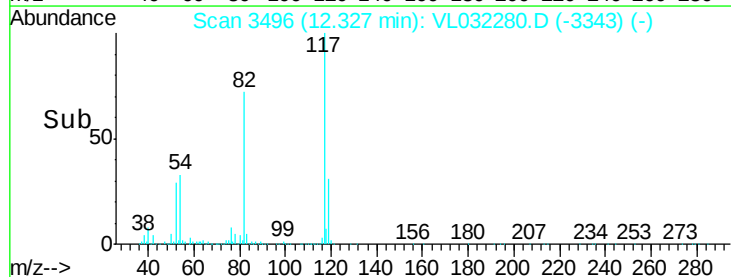
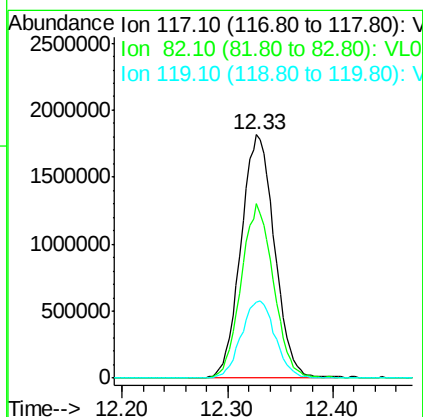
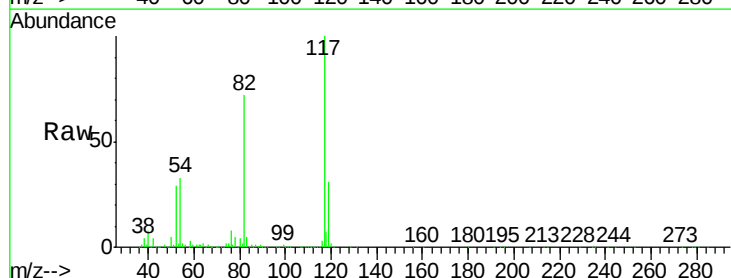
Instrument :
 MSVOA_L
 ClientSampleId :

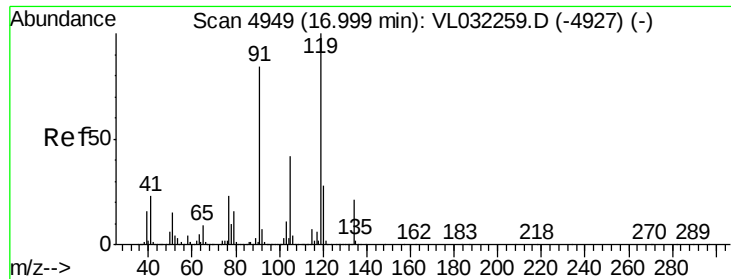
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.1	55.8	83.6#
62	17.0	53.8	80.8#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.33 min Scan# 3496
 Delta R.T. -0.01 min
 Lab File: VL032280.D
 Acq: 19 Jul 2018 3:46

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.5	53.9	80.9
119	32.1	25.5	38.3

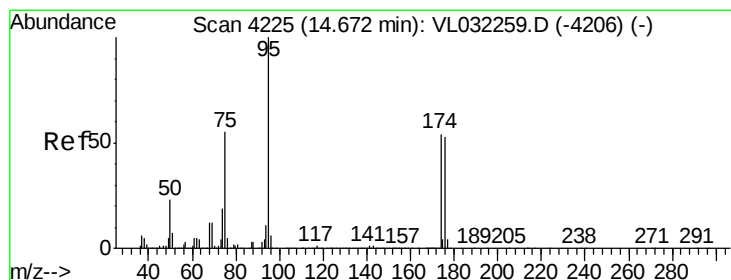
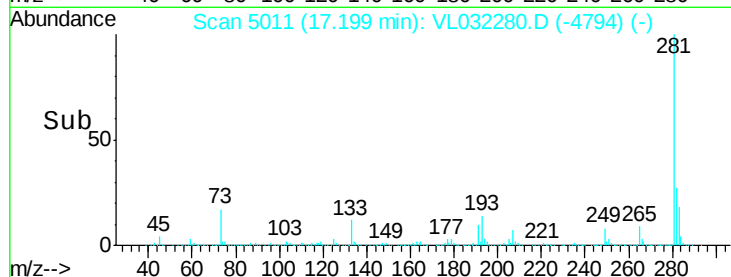
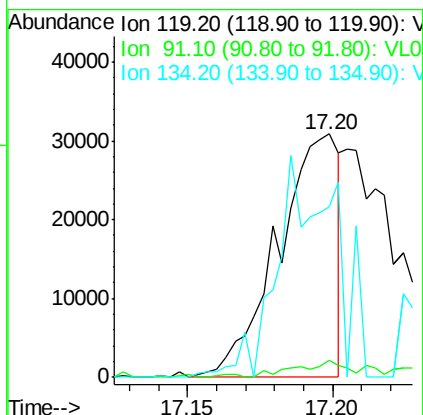
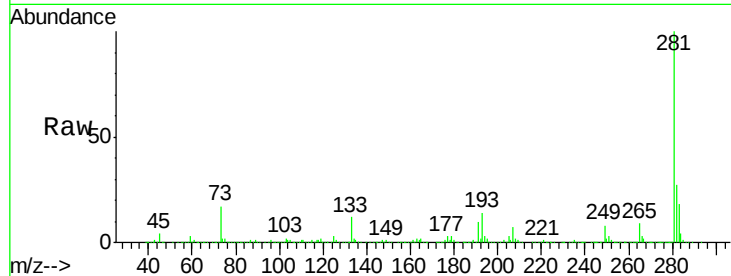




#65
tert-Butylbenzene
Concen: 0.076 ppbv
RT: 17.20 min Scan# 5011
Delta R.T. 0.20 min
Lab File: VL032280.D
Acq: 19 Jul 2018 3:46

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 119 Resp: 44936
Ion Ratio Lower Upper
119 100
91 9.6 68.2 102.4#
134 86.3 15.6 23.4#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.522 ppbv
RT: 14.67 min Scan# 4224
Delta R.T. -0.00 min
Lab File: VL032280.D
Acq: 19 Jul 2018 3:46

Tgt Ion: 95 Resp: 3103946
Ion Ratio Lower Upper
95 100
174 55.9 44.3 66.5
175 4.0 3.3 4.9

