

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080118\
 Data File : VL032333.D
 Acq On : 1 Aug 2018 21:55
 Operator : SY/AP
 Sample : J4235-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 02 00:47:56 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 07:05:37 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1945629	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.36	114	4391190	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.32	117	4671388	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.66	95	3680450	10.15	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.50%

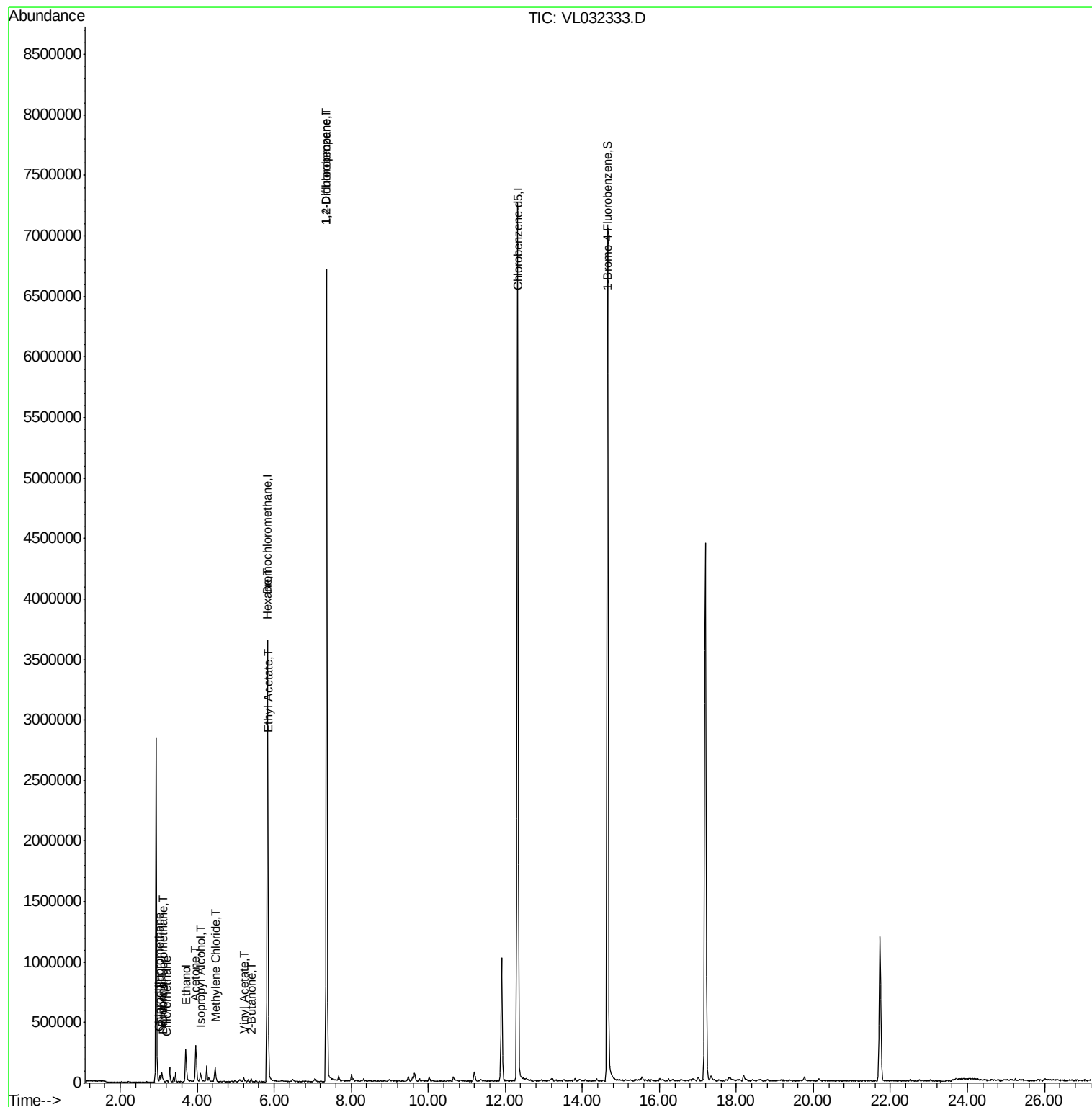
Target Compounds						Ovalue
2) Dichlorodifluoromethane	3.12	85	12081	0.051	ppbv #	88
3) Chlorodifluoromethane	3.03	51	39796	0.205	ppbv #	74
4) Chloromethane	3.22	50	7391	0.063	ppbv #	77
9) Propene	3.08	41	11896	0.136	ppbv #	1
13) Ethanol	3.70	45	329309	13.100	ppbv	100
15) Acetone	3.96	43	307052	1.674	ppbv	95
19) Isopropyl Alcohol	4.09	45	78615	0.642	ppbv #	89
20) Methylene Chloride	4.47	84	35728	0.485	ppbv	92
23) Vinyl Acetate	5.21	43	28975	0.088	ppbv #	85
25) Ethyl Acetate	5.85	43	63305	0.154	ppbv #	94
26) Hexane	5.84	57	30638	0.165	ppbv #	1
34) 2-Butanone	5.40	43	14395	0.051	ppbv #	54
39) 1,2-Dichloropropane	7.36	63	1238864	6.362	ppbv #	27

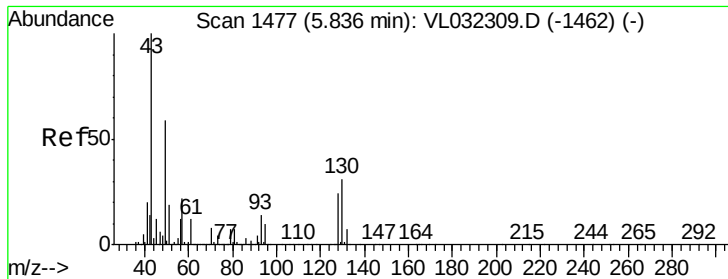
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_L
ClientSampleId :

Quant Time: Aug 02 00:47:56 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 07:05:37 2018
QLast Update : Fri Jul 27 07:05:37 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.83 min Scan# 1474

Delta R.T. -0.01 min

Lab File: VL032333.D

Acq: 1 Aug 2018 21:55

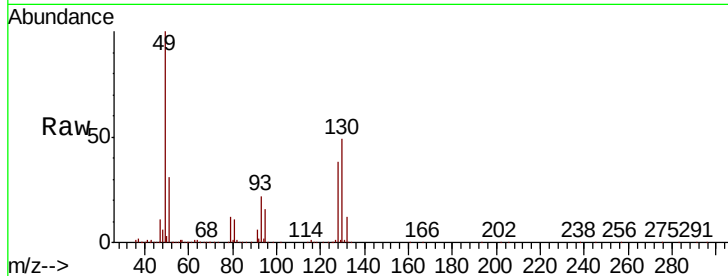
Instrument :

MSVOA_L

ClientSampled :

Tot Ion: 49 Resp: 1945629

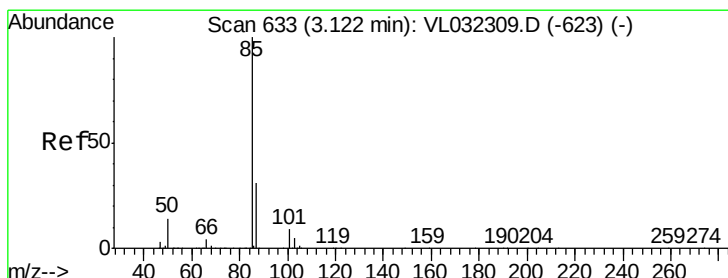
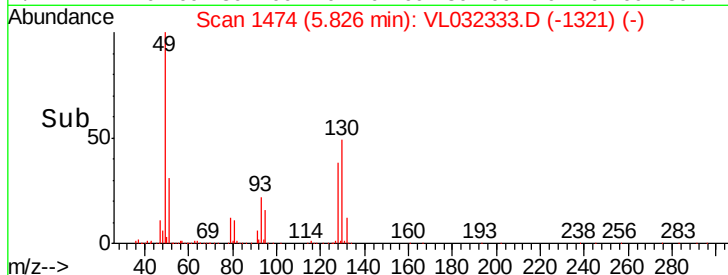
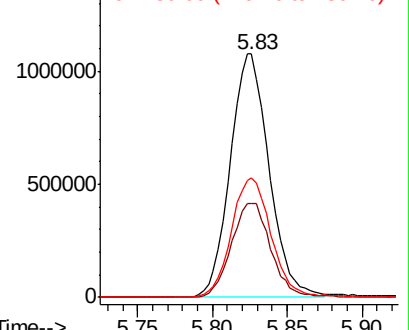
Ion	Ratio	Lower	Upper
49	100		
128	39.9	20.2	60.6
130	50.4	25.8	77.3



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: 0.051 ppbv

RT: 3.12 min Scan# 632

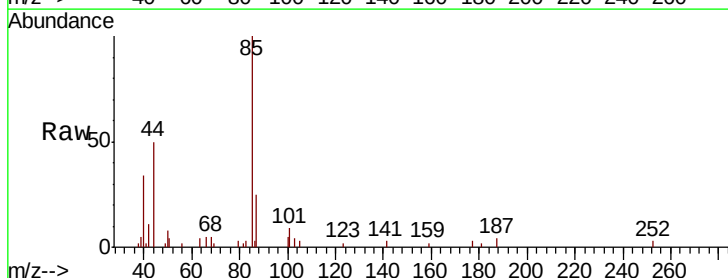
Delta R.T. -0.00 min

Lab File: VL032333.D

Acq: 1 Aug 2018 21:55

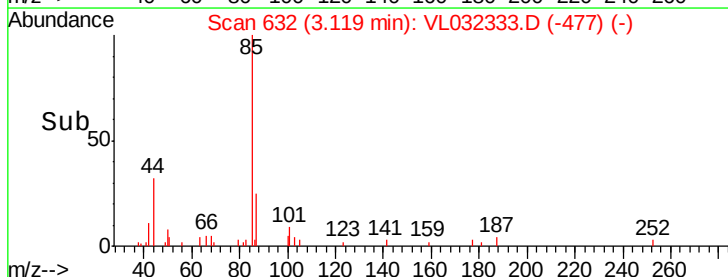
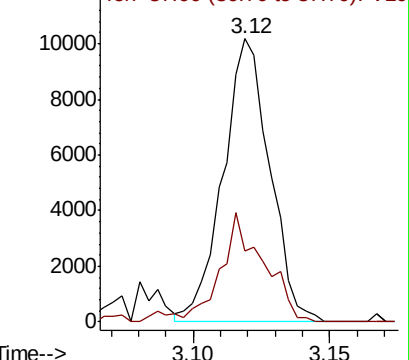
Tgt Ion: 85 Resp: 12081

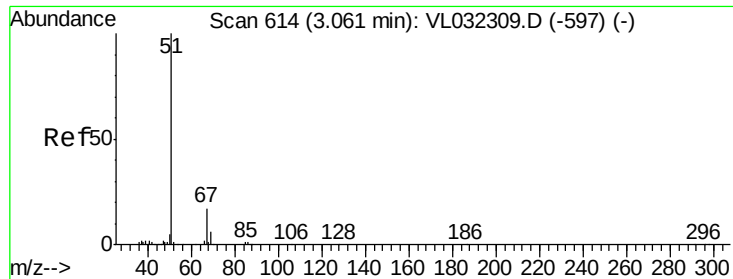
Ion	Ratio	Lower	Upper
85	100		
87	24.9	25.2	37.8



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

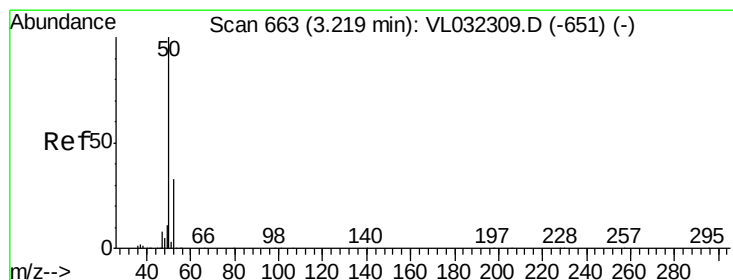
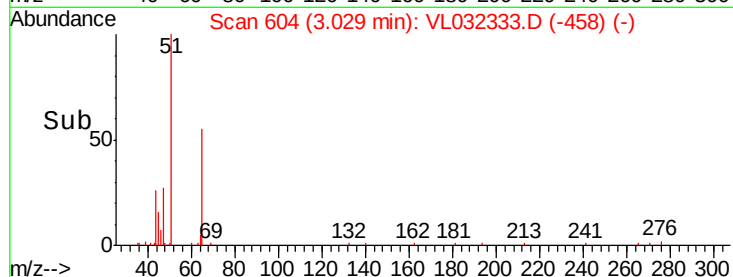
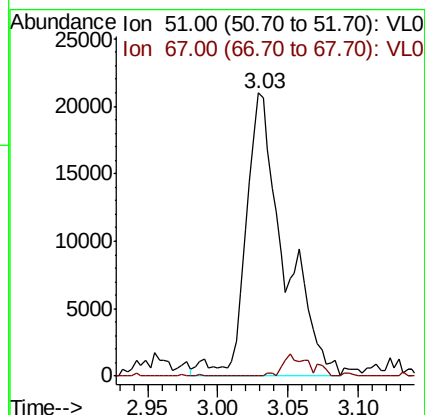
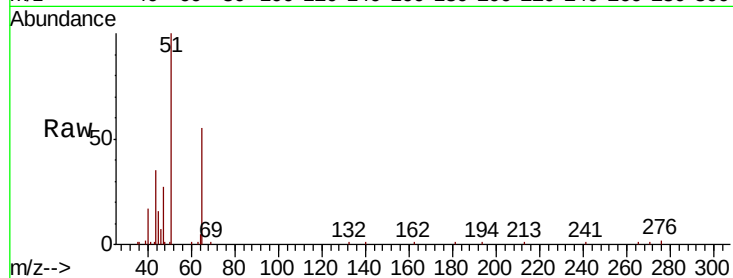




#3
 Chlorodifluoromethane
 Concen: 0.205 ppbv
 RT: 3.03 min Scan# 604
 Delta R.T. -0.03 min
 Lab File: VL032333.D
 Acq: 1 Aug 2018 21:55

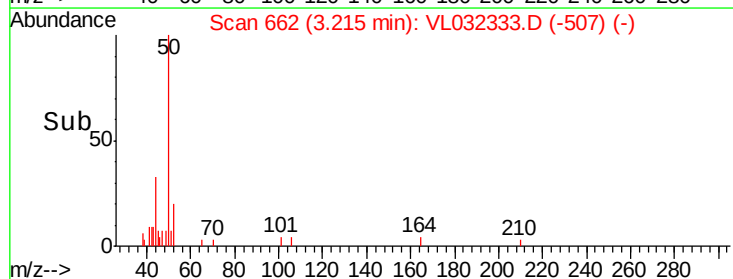
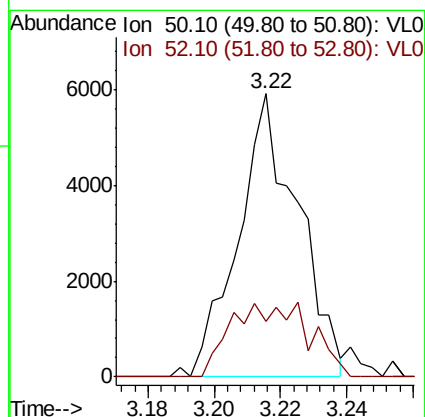
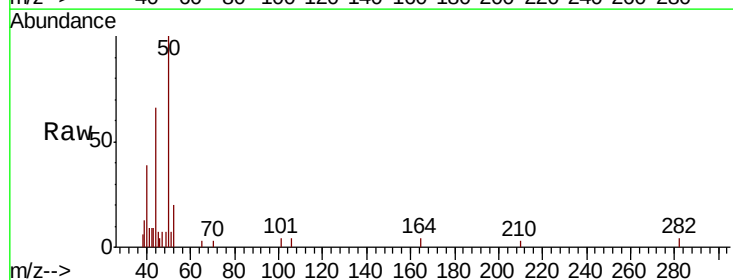
Instrument :
 MSVOA_L
 ClientSampleId :

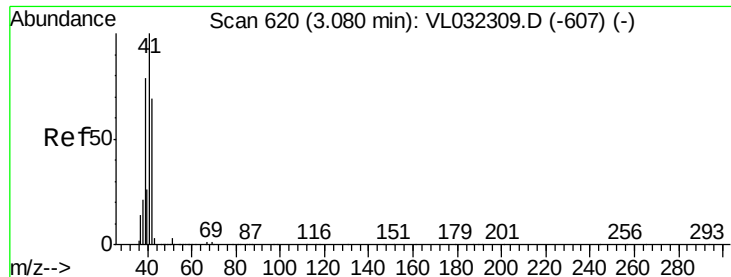
Tot Ion: 51 Resp: 39796
 Ion Ratio Lower Upper
 51 100
 67 5.6 13.5 20.3#



#4
 Chloromethane
 Concen: 0.063 ppbv
 RT: 3.22 min Scan# 662
 Delta R.T. -0.00 min
 Lab File: VL032333.D
 Acq: 1 Aug 2018 21:55

Tgt Ion: 50 Resp: 7391
 Ion Ratio Lower Upper
 50 100
 52 19.8 26.2 39.4#





#9

Propene

Concen: 0.136 ppbv

RT: 3.08 min Scan# 619

Delta R.T. -0.00 min

Lab File: VL032333.D

Acq: 1 Aug 2018 21:55

Instrument :

MSVOA_L

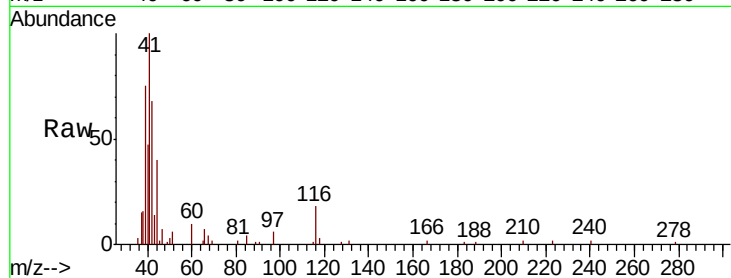
ClientSampleId :

Tot Ion: 41 Resp: 11896

Ion Ratio Lower Upper

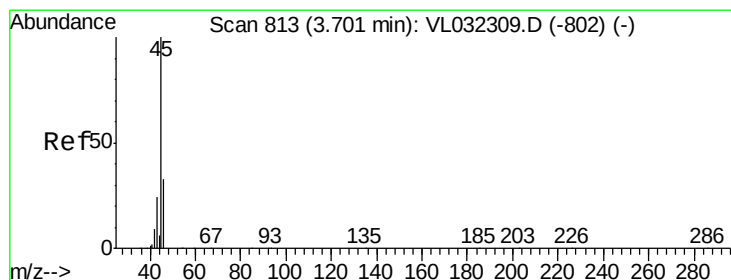
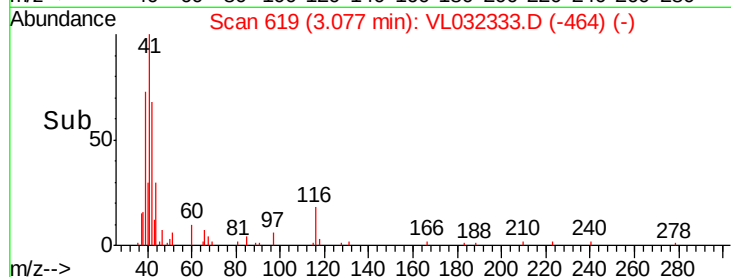
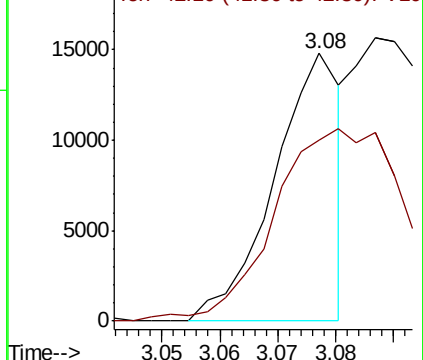
41 100

42 155.2 56.8 85.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 13.100 ppbv

RT: 3.70 min Scan# 813

Delta R.T. 0.00 min

Lab File: VL032333.D

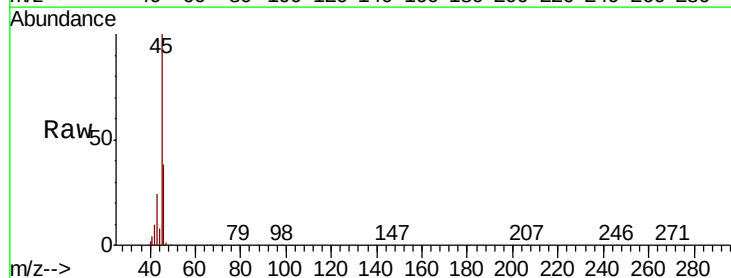
Acq: 1 Aug 2018 21:55

Tgt Ion: 45 Resp: 329309

Ion Ratio Lower Upper

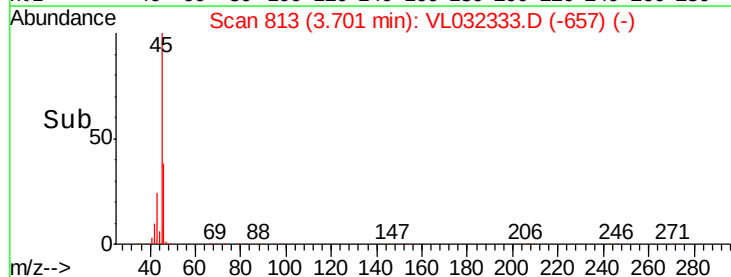
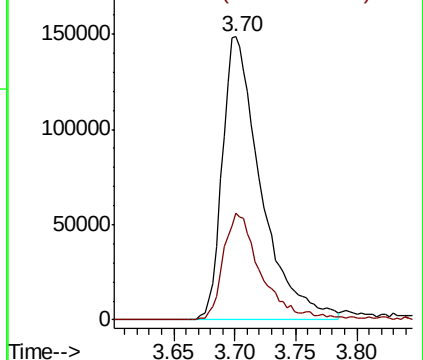
45 100

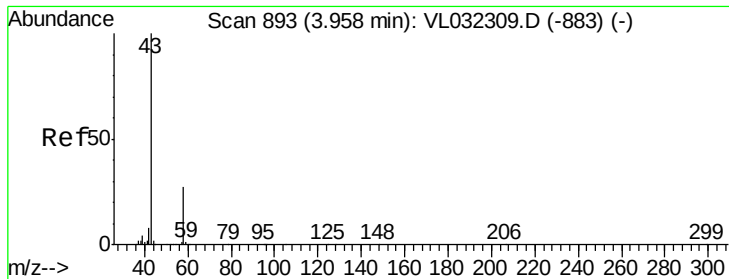
46 38.2 15.2 60.6



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 1.674 ppbv

RT: 3.96 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL032333.D

Acq: 1 Aug 2018 21:55

Instrument :

MSVOA_L

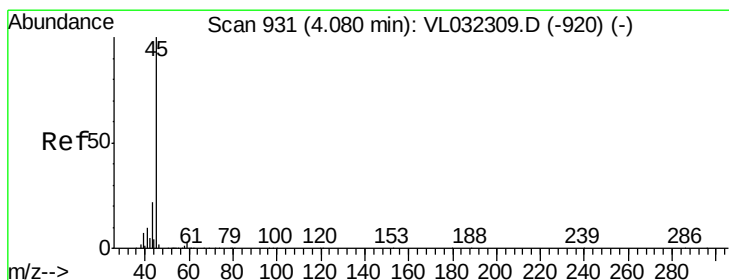
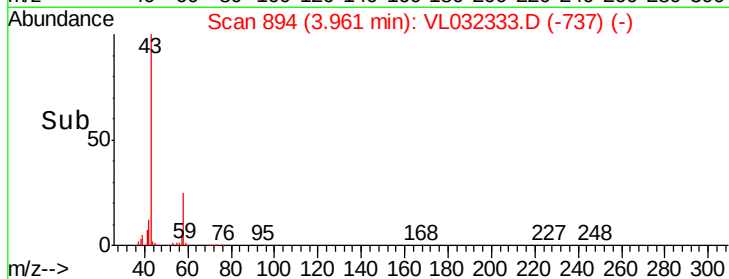
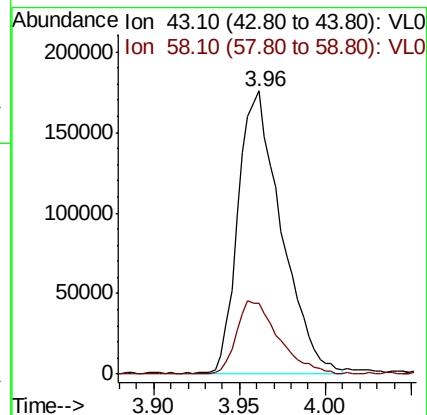
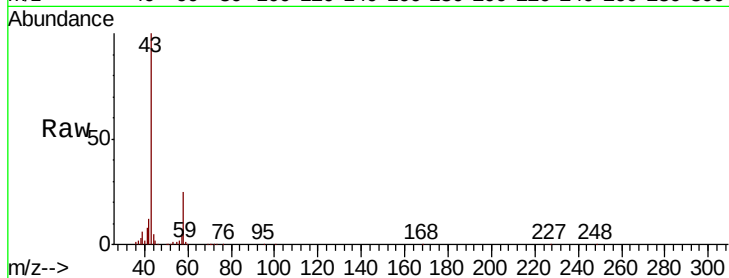
ClientSampleId :

Tot Ion: 43 Resp: 307052

Ion Ratio Lower Upper

43 100

58 25.6 22.5 33.7



#19

Isopropyl Alcohol

Concen: 0.642 ppbv

RT: 4.09 min Scan# 934

Delta R.T. 0.01 min

Lab File: VL032333.D

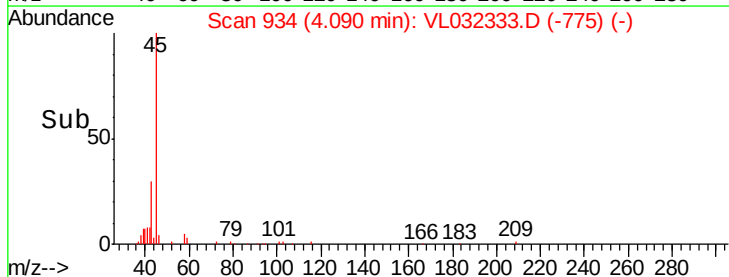
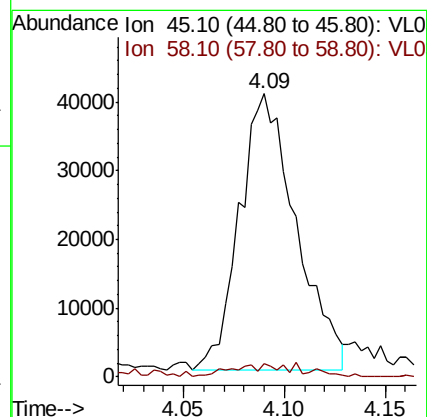
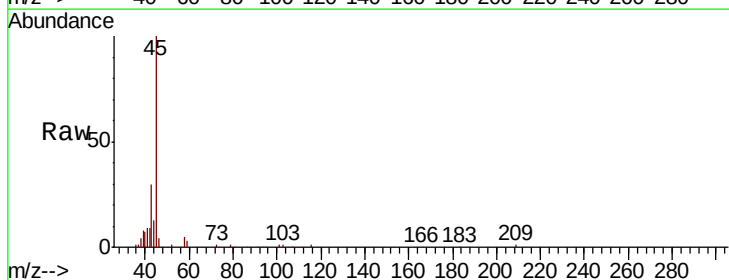
Acq: 1 Aug 2018 21:55

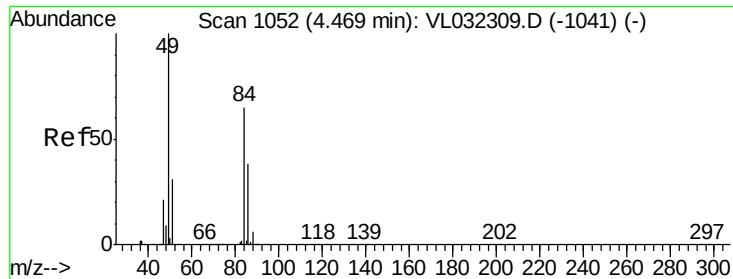
Tgt Ion: 45 Resp: 78615

Ion Ratio Lower Upper

45 100

58 6.0 1.5 2.3#

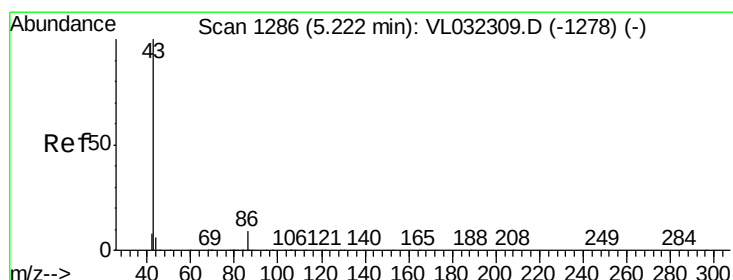
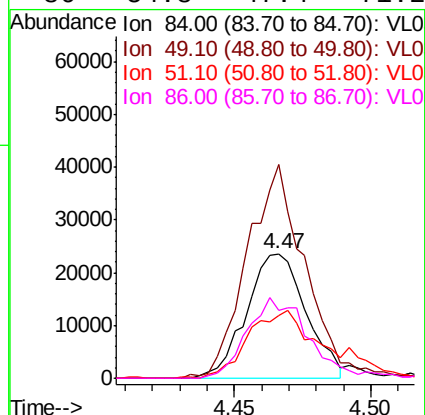
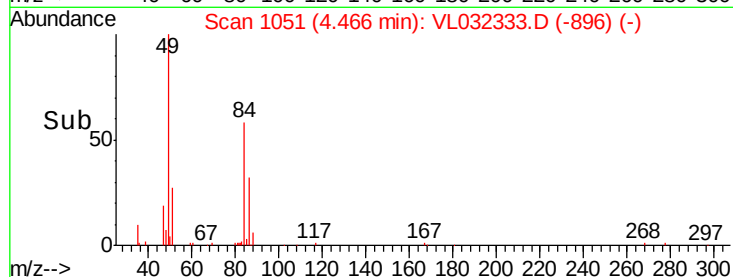
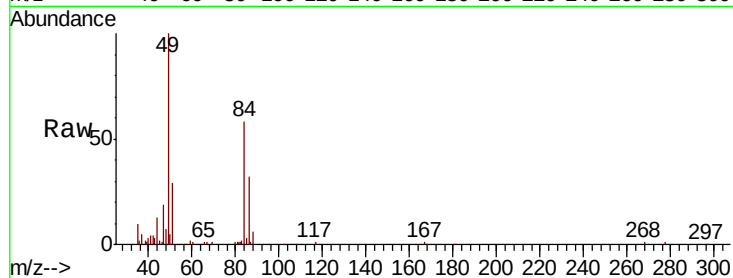




#20
Methvlene Chloride
Concen: 0.485 ppbv
RT: 4.47 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VL032333.D
Acq: 1 Aug 2018 21:55

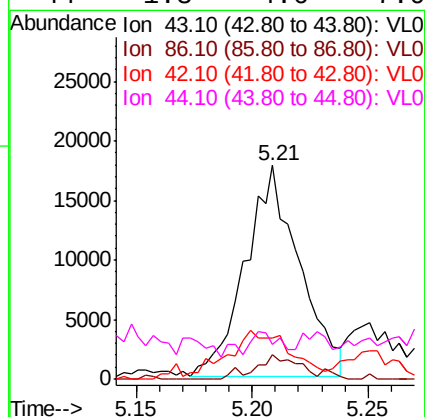
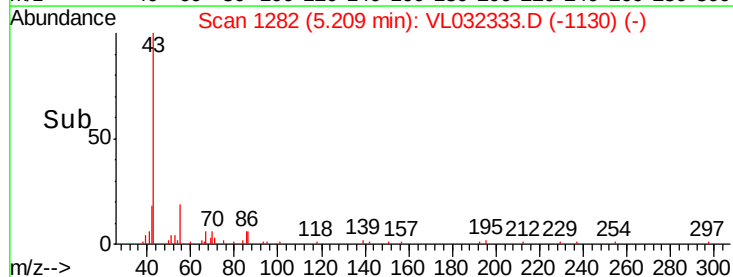
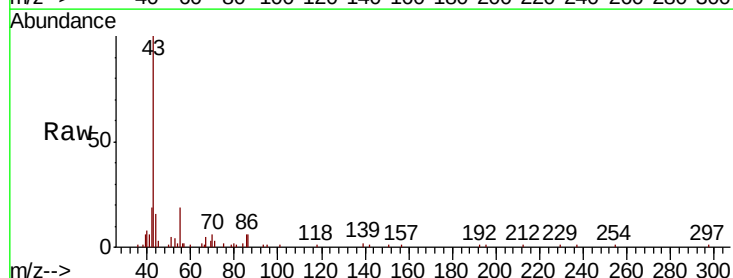
Instrument :
MSVOA_L
ClientSampleId :

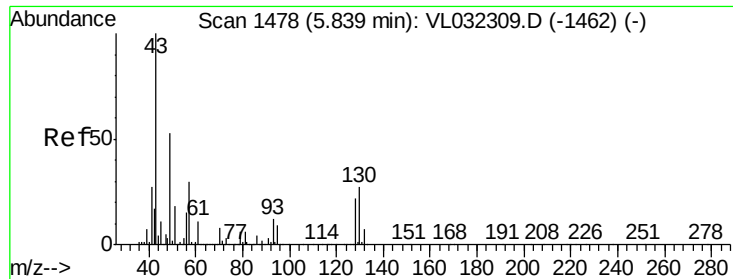
Tot Ion:	84	Resp:	35728
Ion	Ratio	Lower	Upper
84	100		
49	168.5	123.4	185.0
51	49.8	38.2	57.2
86	54.8	47.4	71.2



#23
Vinyl Acetate
Concen: 0.088 ppbv
RT: 5.21 min Scan# 1282
Delta R.T. -0.01 min
Lab File: VL032333.D
Acq: 1 Aug 2018 21:55

Tgt Ion:	43	Resp:	28975
Ion	Ratio	Lower	Upper
43	100		
86	11.3	6.3	9.5#
42	16.2	7.0	10.4#
44	1.3	4.6	7.0#

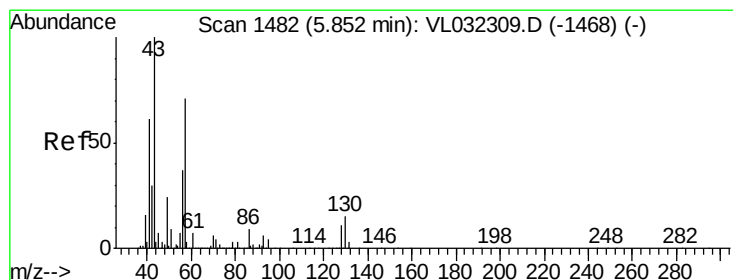
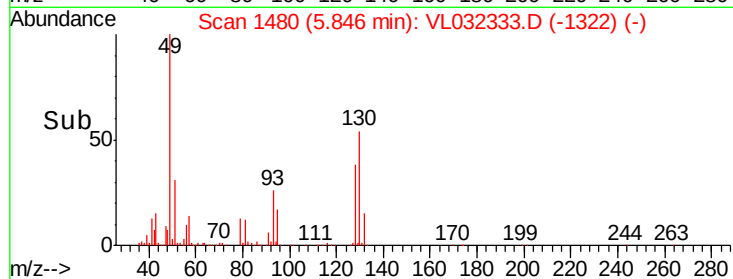
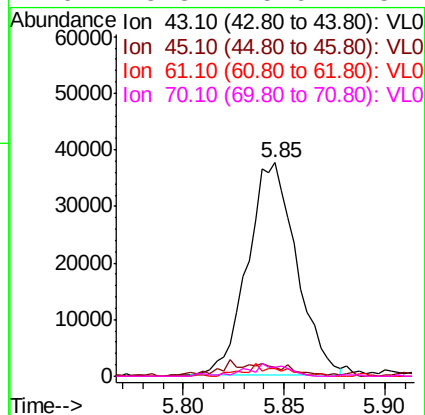
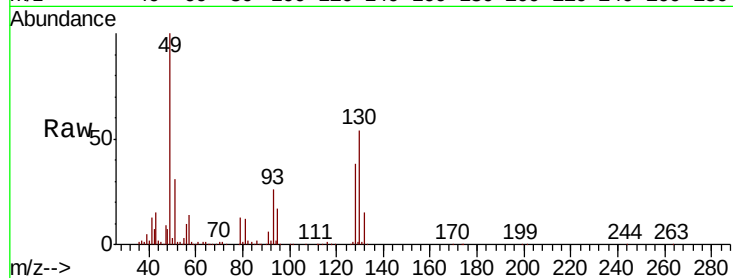




#25
Ethyl Acetate
Concen: 0.154 ppbv
RT: 5.85 min Scan# 1480
Delta R.T. 0.01 min
Lab File: VL032333.D
Acq: 1 Aug 2018 21:55

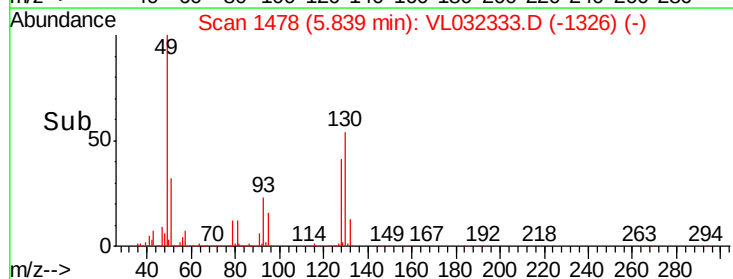
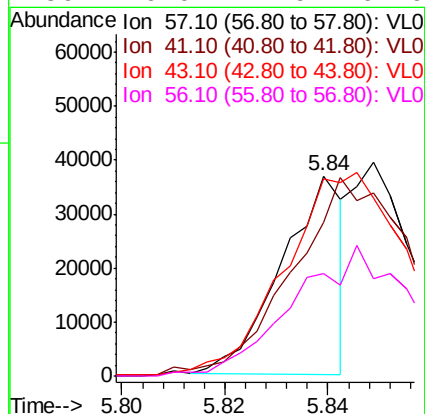
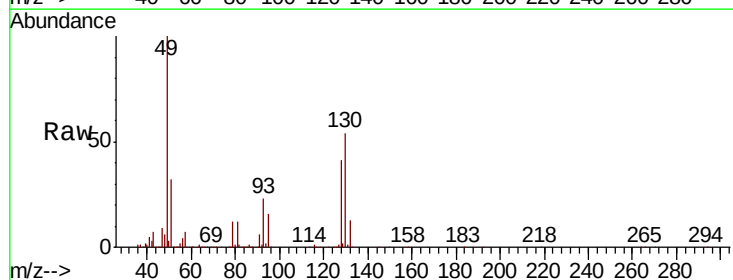
Instrument :
MSVOA_L
ClientSampleId :

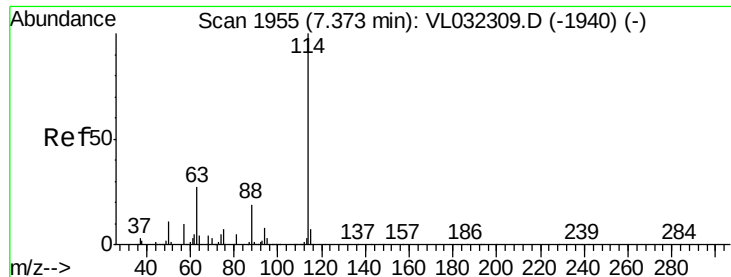
Tot Ion:	43	Resp:	63305
Ion	Ratio	Lower	Upper
43	100		
45	9.7	8.1	12.1
61	4.3	7.4	11.0#
70	5.3	5.6	8.4#



#26
Hexane
Concen: 0.165 ppbv
RT: 5.84 min Scan# 1478
Delta R.T. -0.01 min
Lab File: VL032333.D
Acq: 1 Aug 2018 21:55

Tgt Ion:	57	Resp:	30638
Ion	Ratio	Lower	Upper
57	100		
41	0.0	68.1	102.1#
43	0.0	177.4	266.2#
56	0.0	41.9	62.9#

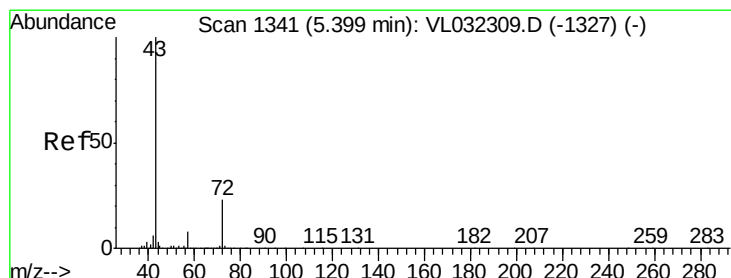
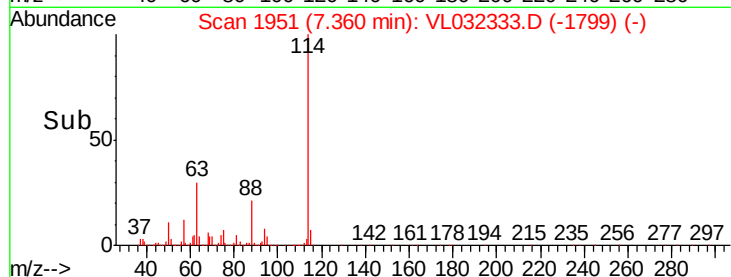
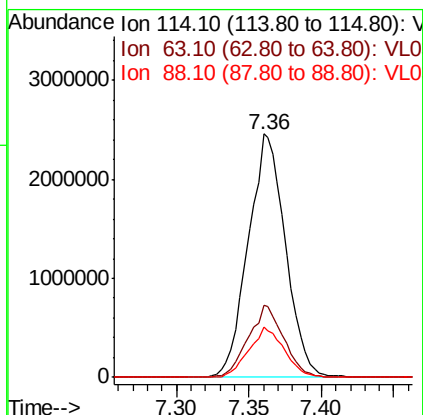
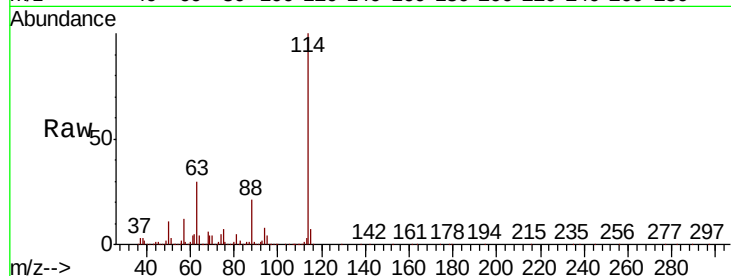




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.36 min Scan# 1951
 Delta R.T. -0.01 min
 Lab File: VL032333.D
 Acq: 1 Aug 2018 21:55

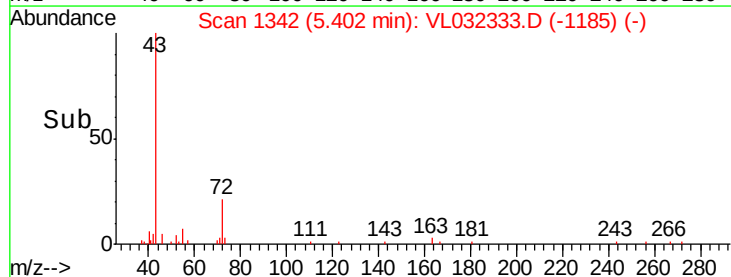
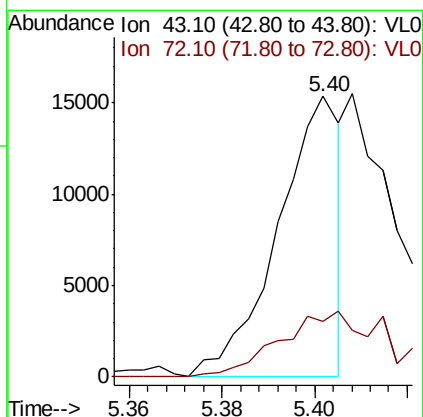
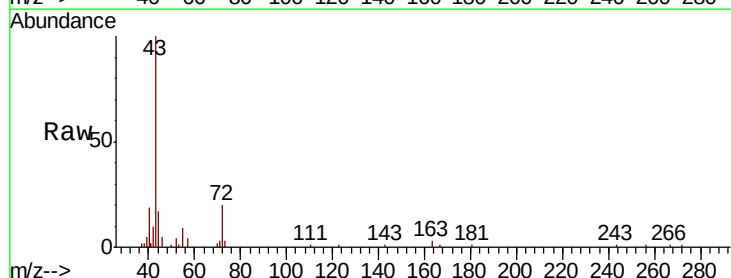
Instrument :
 MSVOA_L
 ClientSampleId :

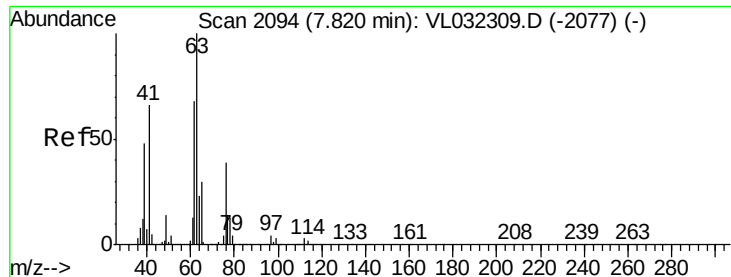
Tot Ion:114 Resp: 4391190
 Ion Ratio Lower Upper
 114 100
 63 28.5 22.4 33.6
 88 19.6 15.3 22.9



#34
 2-Butanone
 Concen: 0.051 ppbv
 RT: 5.40 min Scan# 1342
 Delta R.T. 0.00 min
 Lab File: VL032333.D
 Acq: 1 Aug 2018 21:55

Tgt Ion: 43 Resp: 14395
 Ion Ratio Lower Upper
 43 100
 72 0.0 17.4 26.2#



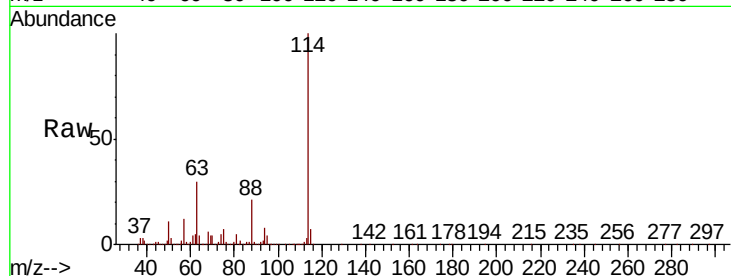


#39
 1,2-Dichloropropane
 Concen: 6.362 ppbv
 RT: 7.36 min Scan# 1951
 Delta R.T. -0.46 min
 Lab File: VL032333.D
 Acq: 1 Aug 2018 21:55

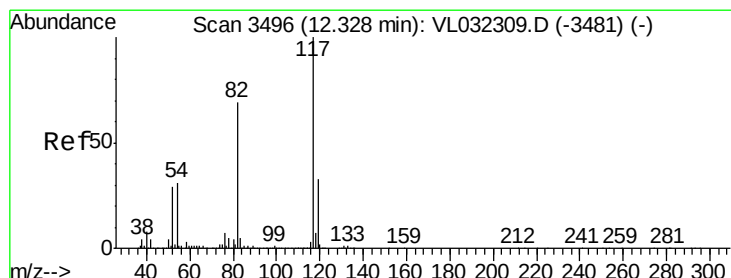
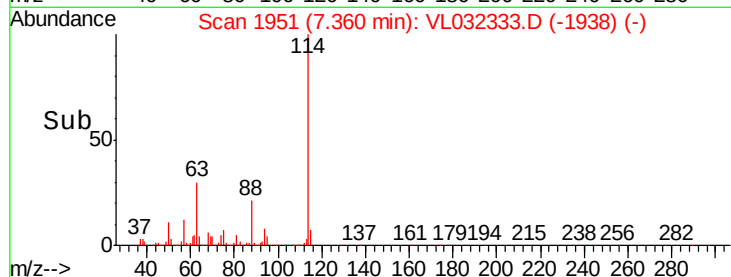
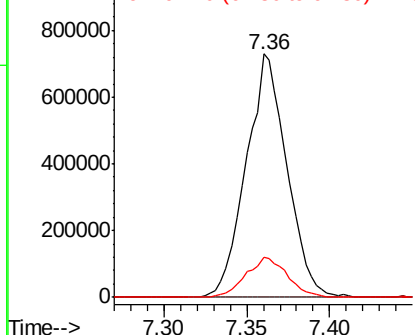
Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 63 Resp: 1238864

Ion	Ratio	Lower	Upper
63	100		
41	0.0	52.5	78.7#
62	16.3	54.6	81.8#



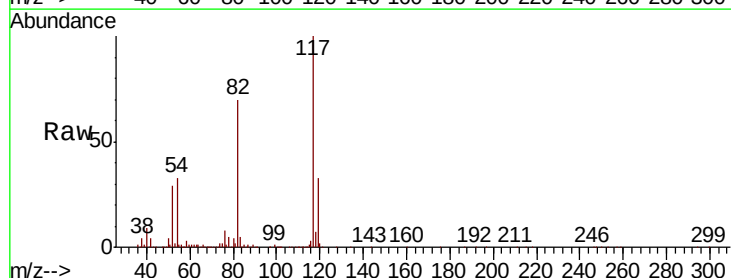
Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0



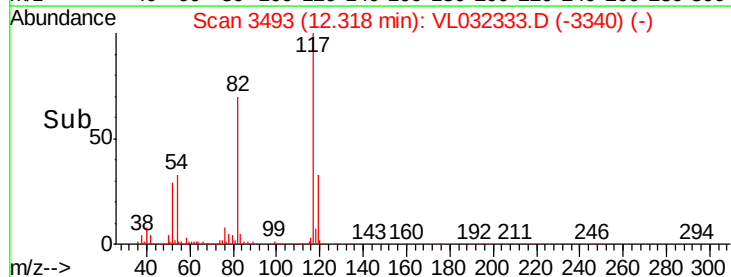
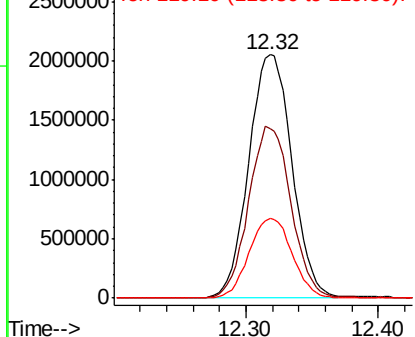
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.32 min Scan# 3493
 Delta R.T. -0.01 min
 Lab File: VL032333.D
 Acq: 1 Aug 2018 21:55

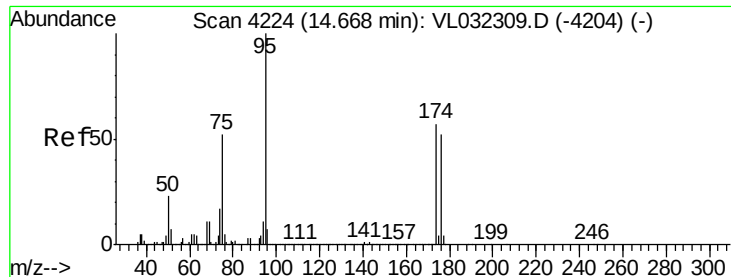
Tgt Ion: 117 Resp: 4671388

Ion	Ratio	Lower	Upper
117	100		
82	69.5	52.6	78.8
119	32.8	25.7	38.5



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: 10.150 ppbv
 RT: 14.66 min Scan# 4220
 Delta R.T. -0.01 min
 Lab File: VL032333.D
 Acq: 1 Aug 2018 21:55

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion: 95 Resp: 3680450
 Ion Ratio Lower Upper
 95 100
 174 57.0 45.5 68.3
 175 4.0 3.3 4.9

