

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL081618\
 Data File : VL032399.D
 Acq On : 17 Aug 2018 8:46
 Operator : SY/AP
 Sample : J4457-02DL2 200X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS08-MIVIDL2

Quant Time: Aug 17 23:20:40 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.81	49	1774242	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3430102	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.30	117	3444998	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2679196	10.19	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.90%

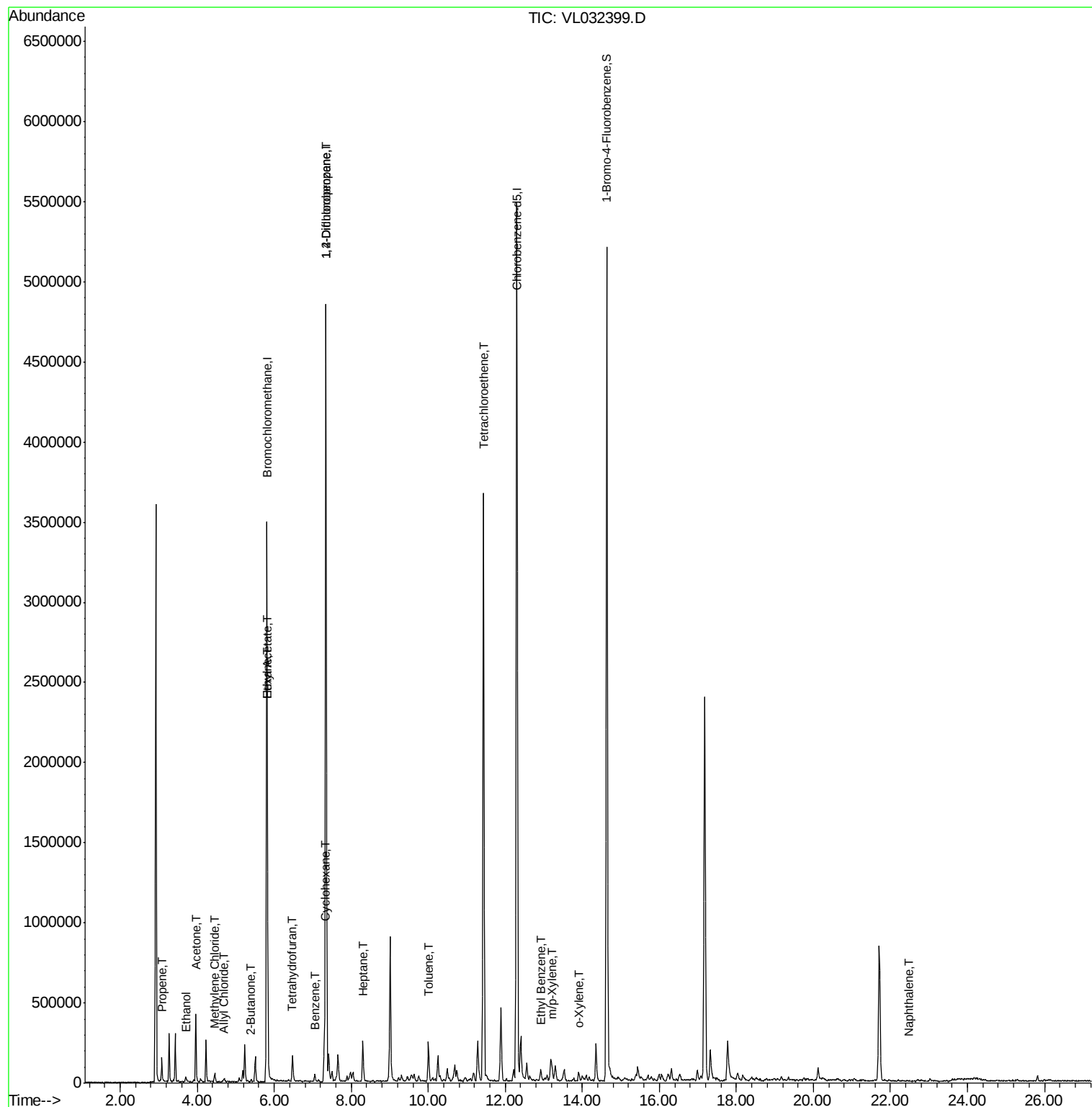
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.11	85	831	Below Cal		91
9) Propene	3.08	41	34520	0.491	ppbv	84
10) Heptane	8.30	43	79881	0.377	ppbv	97
13) Ethanol	3.70	45	15392	0.852	ppbv #	48
15) Acetone	3.96	43	175500	1.041	ppbv #	71
20) Methylene Chloride	4.45	84	14330	0.225	ppbv #	85
21) Allyl Chloride	4.70	41	3937	0.037	ppbv #	21
25) Ethyl Acetate	5.83	43	94319	0.261	ppbv #	79
26) Hexane	5.83	57	128213	0.796	ppbv #	40
30) Cyclohexane	7.31	84	70341	0.573	ppbv	84
34) 2-Butanone	5.40	43	9350	0.040	ppbv #	89
36) Benzene	7.06	78	29501	0.101	ppbv #	91
39) 1,2-Dichloropropane	7.34	63	945798	7.786	ppbv #	25
41) Tetrahydrofuran	6.48	42	18093	0.144	ppbv #	39
52) Tetrachloroethene	11.43	164	877466	10.231	ppbv	92
53) Toluene	10.01	91	180099	0.565	ppbv	97
58) Ethyl Benzene	12.92	91	31695	0.076	ppbv	100
59) m/p-Xylene	13.21	91	30313	0.086	ppbv #	30
60) o-Xylene	13.91	91	20060	0.058	ppbv #	38
79) Naphthalene	22.48	128	696	0.329	ppbv #	47

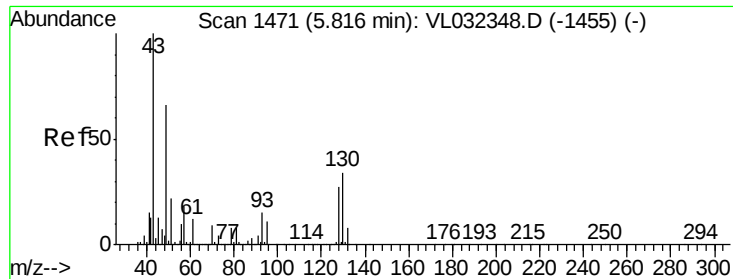
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL081618\
Data File : VL032399.D
Acq On : 17 Aug 2018 8:46
Operator : SY/AP
Sample : J4457-02DL2 200X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

Quant Time: Aug 17 23:20:40 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.81 min Scan# 1469

Delta R.T. -0.01 min

Lab File: VL032399.D

Acq: 17 Aug 2018 8:46

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDL2

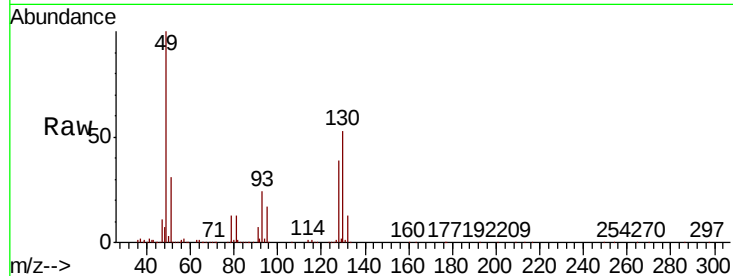
Tgt Ion: 49 Resp: 1774242

Ion Ratio Lower Upper

49 100

128 41.1 20.5 61.6

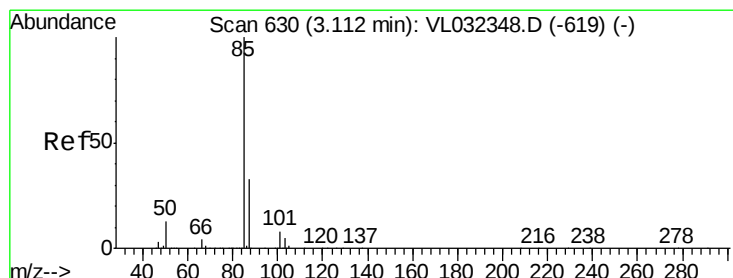
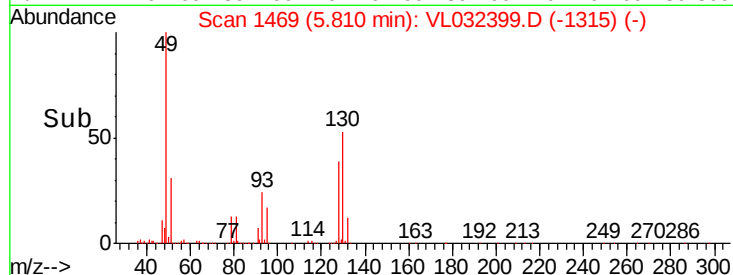
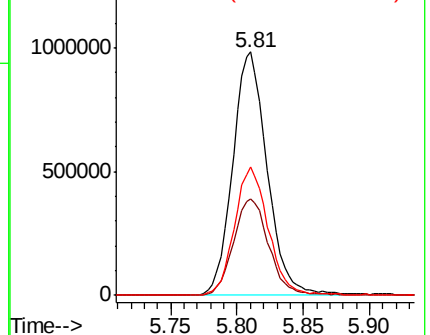
130 52.4 26.2 78.5



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



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 3.11 min Scan# 630

Delta R.T. 0.00 min

Lab File: VL032399.D

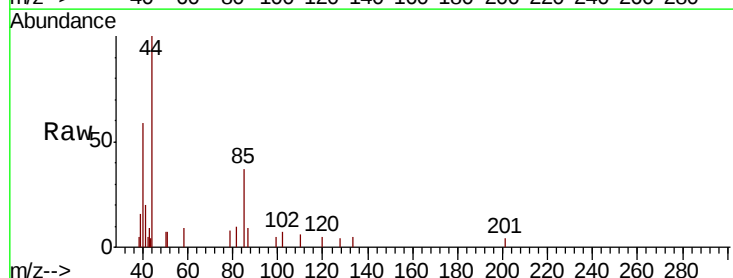
Acq: 17 Aug 2018 8:46

Tgt Ion: 85 Resp: 831

Ion Ratio Lower Upper

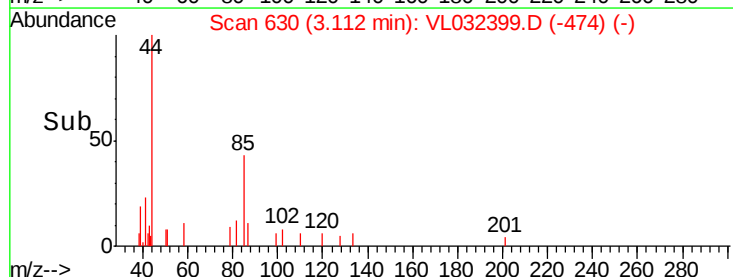
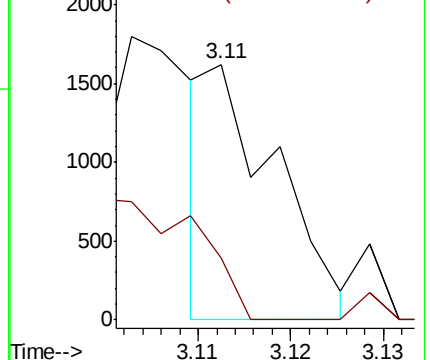
85 100

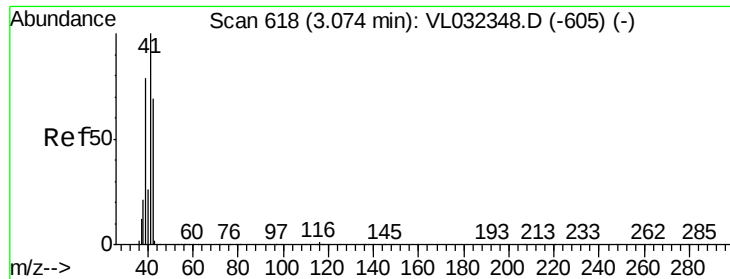
87 27.6 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#9

Propene

Concen: 0.491 ppbv

RT: 3.08 min Scan# 620

Delta R.T. 0.01 min

Lab File: VL032399.D

Acq: 17 Aug 2018 8:46

Instrument :

MSVOA_L

ClientSampleId :

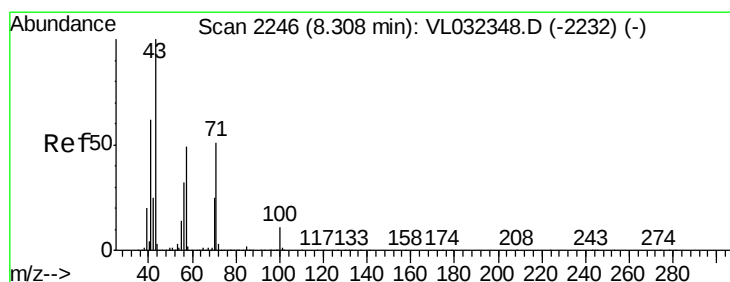
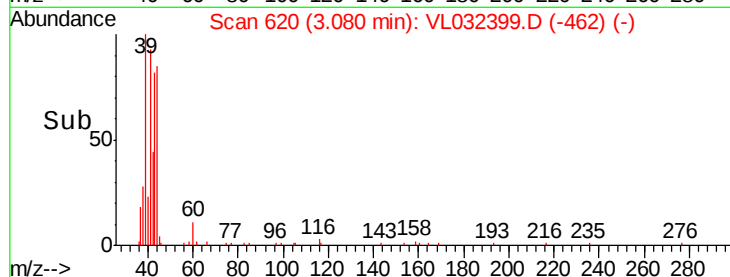
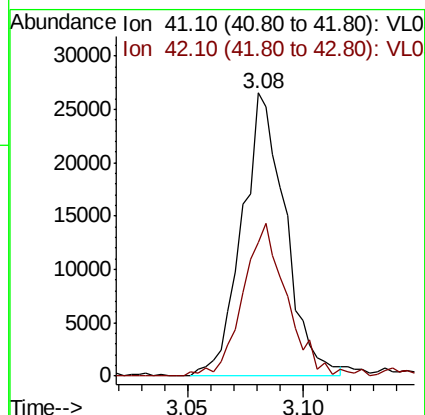
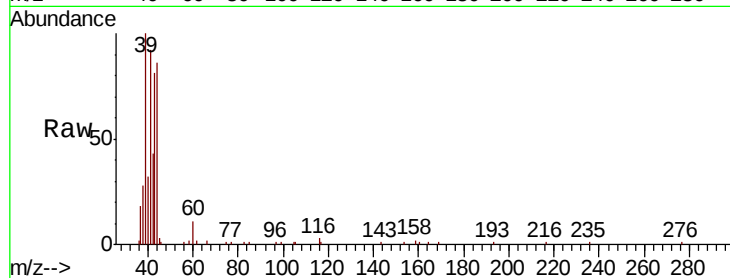
SS08-MIVIDL2

Tgt Ion: 41 Resp: 34520

Ion Ratio Lower Upper

41 100

42 56.5 55.9 83.9



#10

Heptane

Concen: 0.377 ppbv

RT: 8.30 min Scan# 2244

Delta R.T. -0.01 min

Lab File: VL032399.D

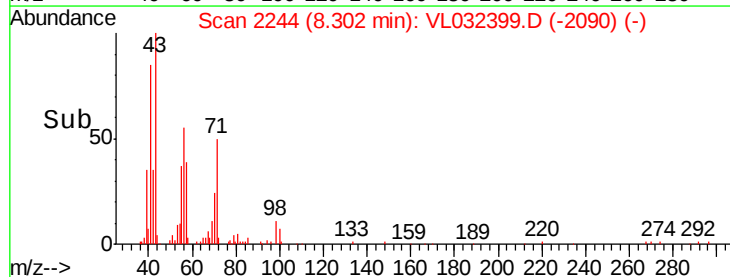
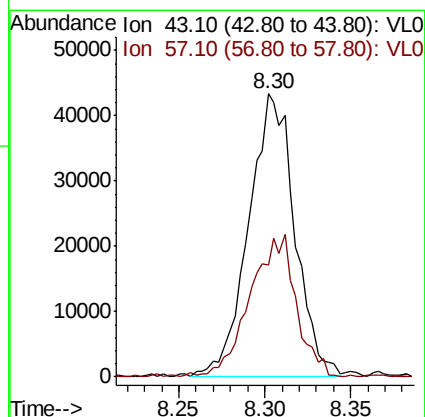
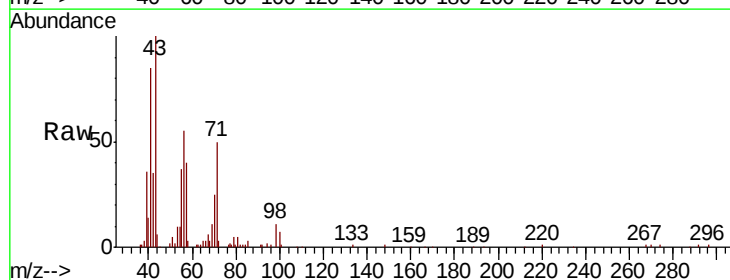
Acq: 17 Aug 2018 8:46

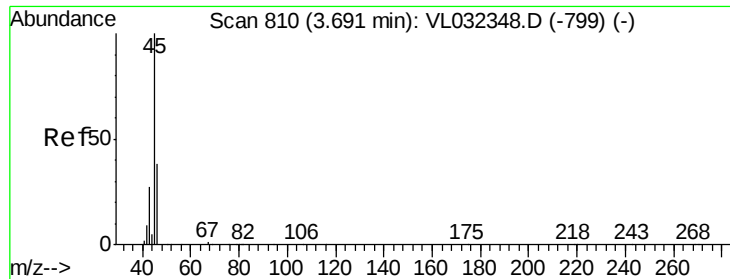
Tgt Ion: 43 Resp: 79881

Ion Ratio Lower Upper

43 100

57 51.4 39.5 59.3

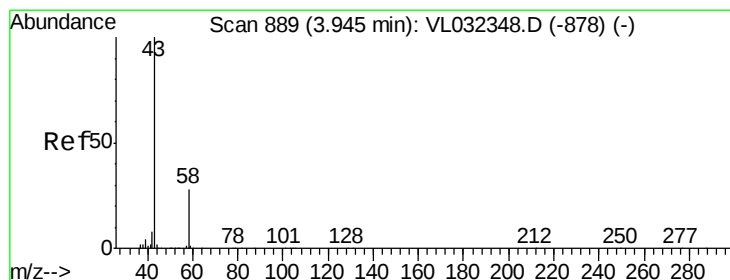
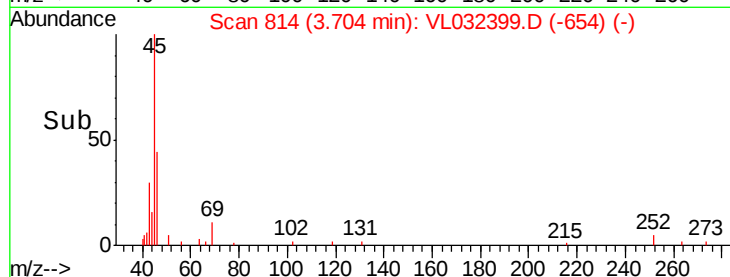
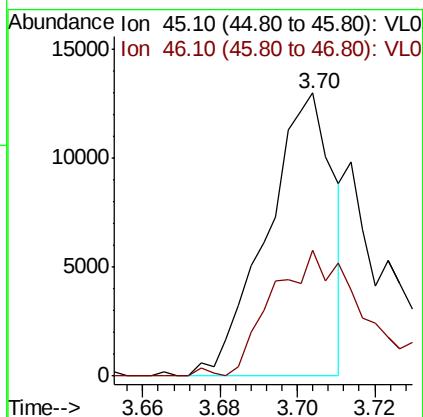
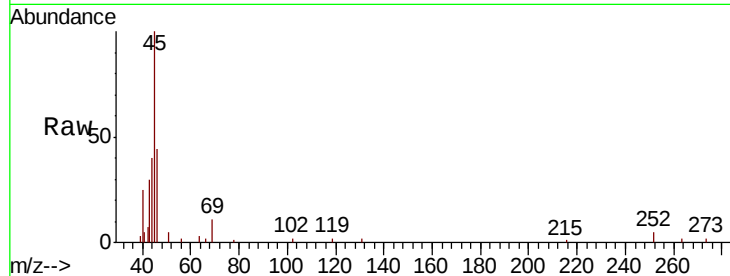




#13
Ethanol
Concen: 0.852 ppbv
RT: 3.70 min Scan# 814
Delta R.T. 0.01 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

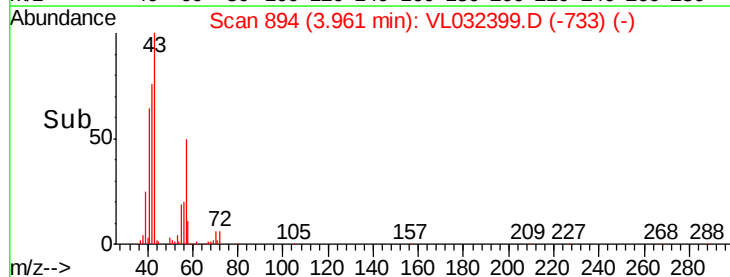
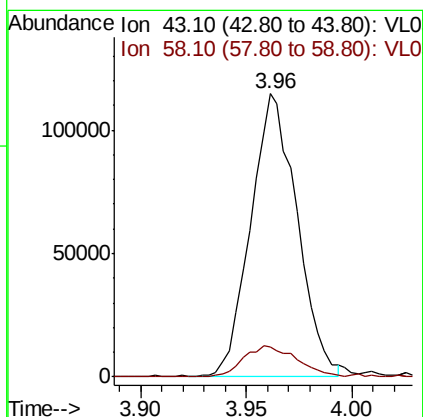
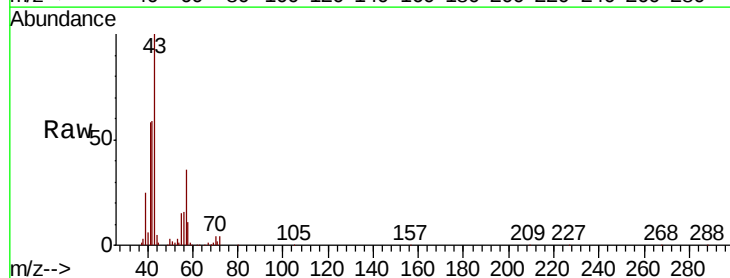
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

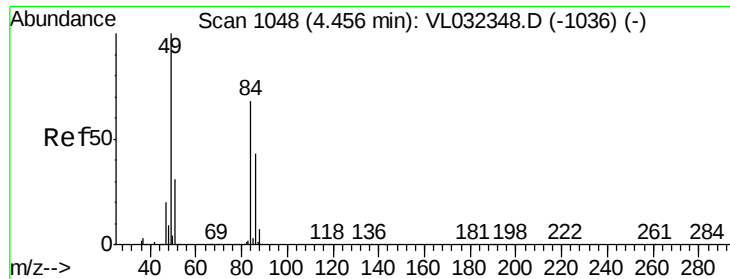
Tgt Ion: 45 Resp: 15392
Ion Ratio Lower Upper
45 100
46 70.9 15.6 62.4#



#15
Acetone
Concen: 1.041 ppbv
RT: 3.96 min Scan# 894
Delta R.T. 0.02 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

Tgt Ion: 43 Resp: 175500
Ion Ratio Lower Upper
43 100
58 13.0 22.4 33.6#

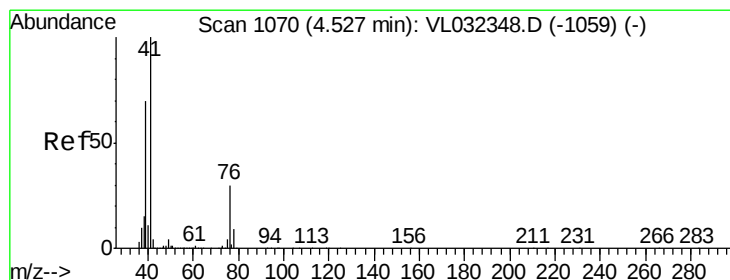
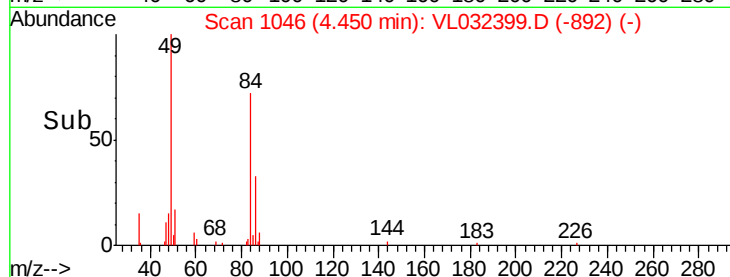
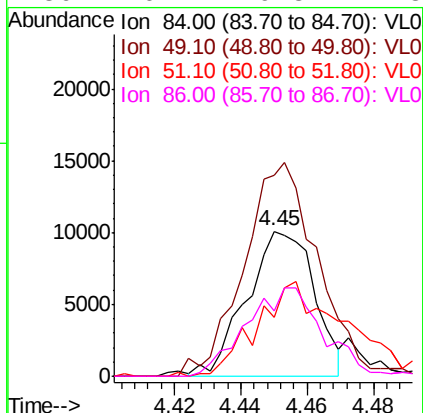
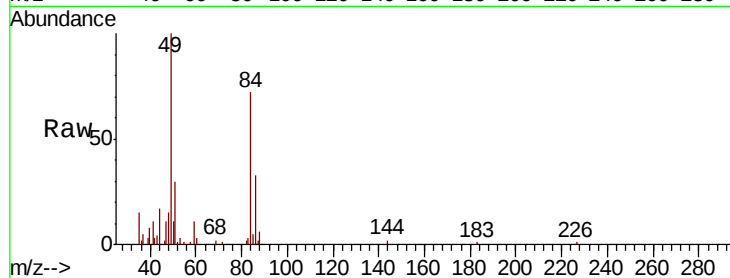




#20
Methylene Chloride
Concen: 0.225 ppbv
RT: 4.45 min Scan# 1046
Delta R.T. -0.01 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

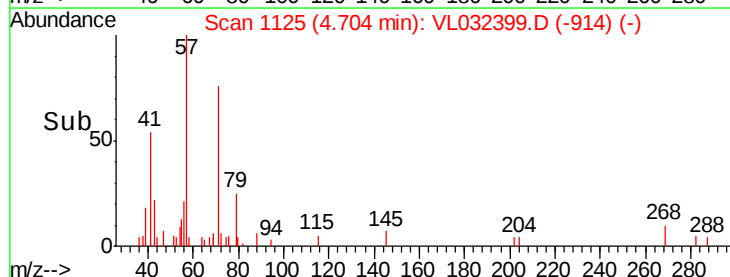
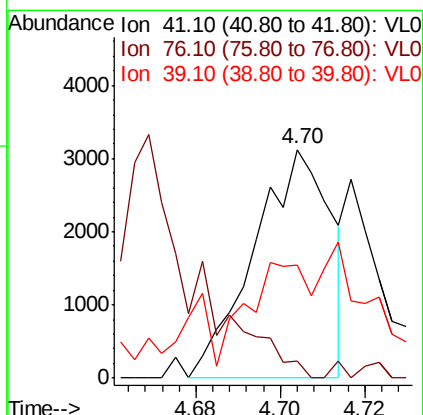
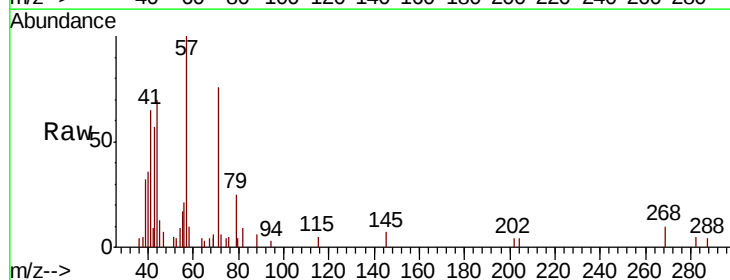
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

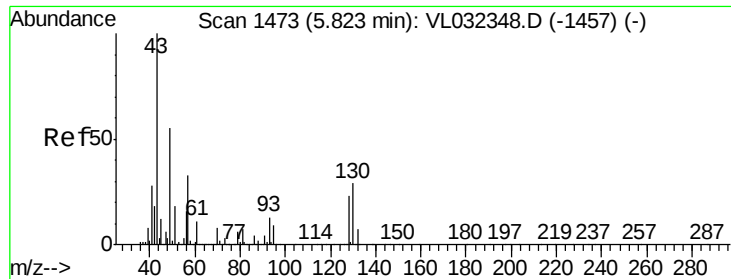
Tgt Ion:	84	Resp:	14330
Ion	Ratio	Lower	Upper
84	100		
49	128.3	117.3	175.9
51	41.5	36.6	55.0
86	46.2	49.8	74.8#



#21
Allyl Chloride
Concen: 0.037 ppbv
RT: 4.70 min Scan# 1125
Delta R.T. 0.18 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

Tgt Ion:	41	Resp:	3937
Ion	Ratio	Lower	Upper
41	100		
76	111.1	22.9	34.3#
39	31.8	57.6	86.4#

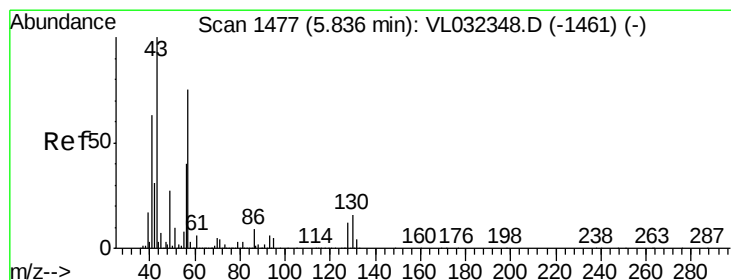
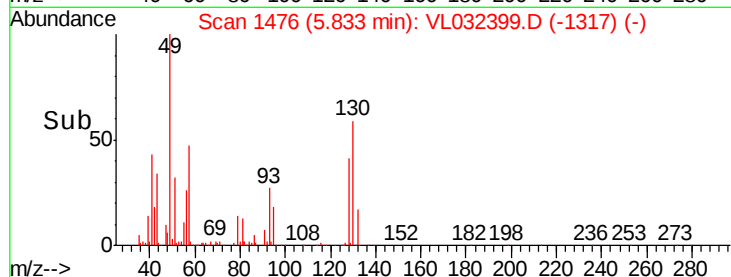
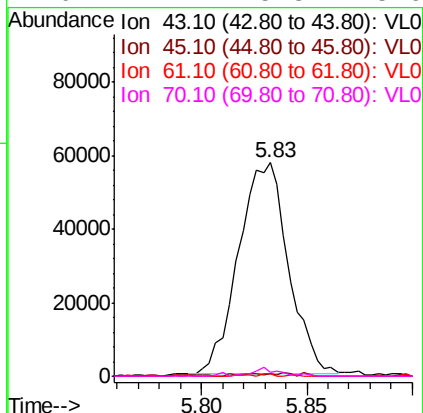
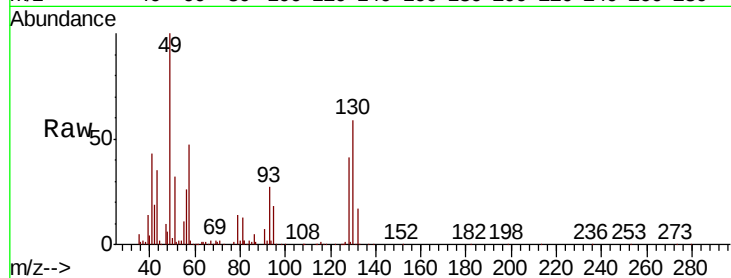




#25
Ethyl Acetate
Concen: 0.261 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. 0.01 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

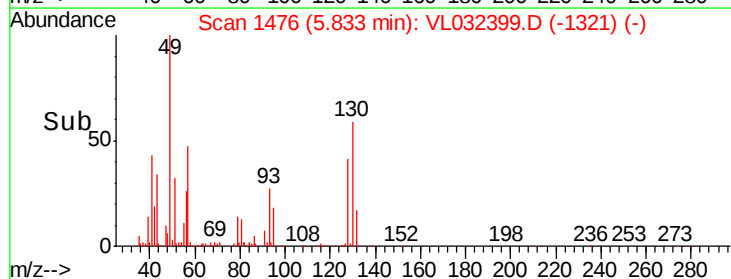
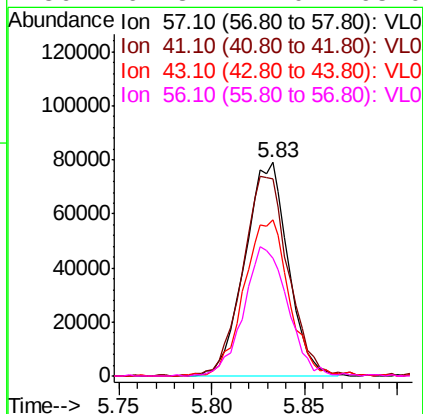
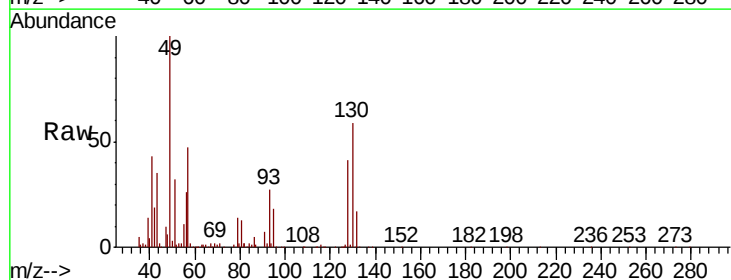
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

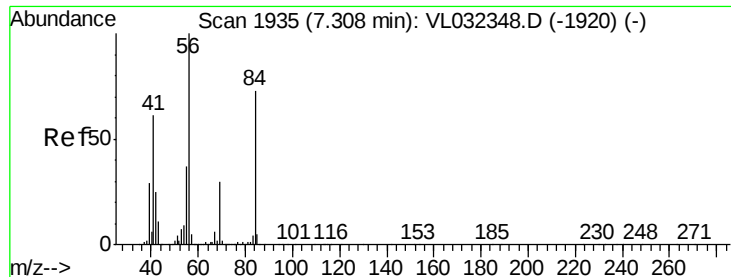
Tgt Ion:	43	Resp:	94319
Ion	Ratio	Lower	Upper
43	100		
45	1.5	7.9	11.9#
61	0.7	7.4	11.2#
70	2.4	5.8	8.6#



#26
Hexane
Concen: 0.796 ppbv
RT: 5.83 min Scan# 1476
Delta R.T. -0.00 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

Tgt Ion:	57	Resp:	128213
Ion	Ratio	Lower	Upper
57	100		
41	99.9	68.0	102.0
43	77.3	175.3	262.9#
56	61.3	42.0	63.0

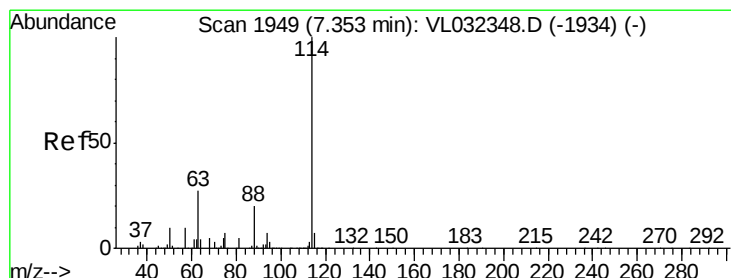
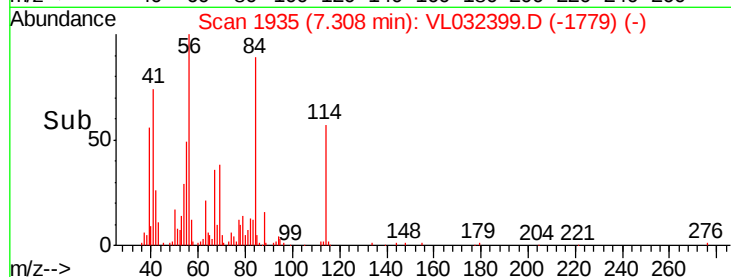
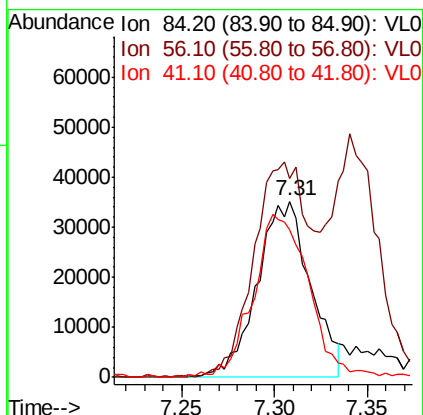
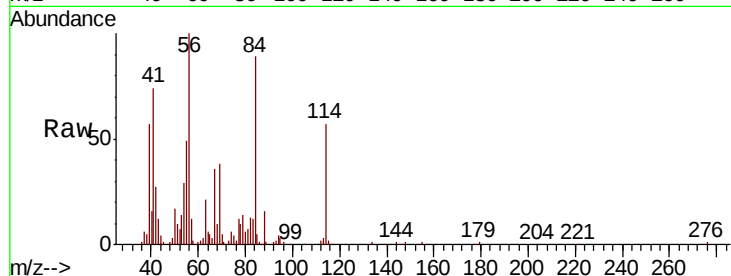




#30
Cyclohexane
Concen: 0.573 ppbv
RT: 7.31 min Scan# 1935
Delta R.T. 0.00 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

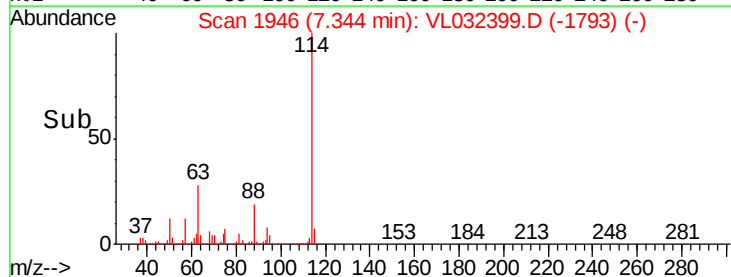
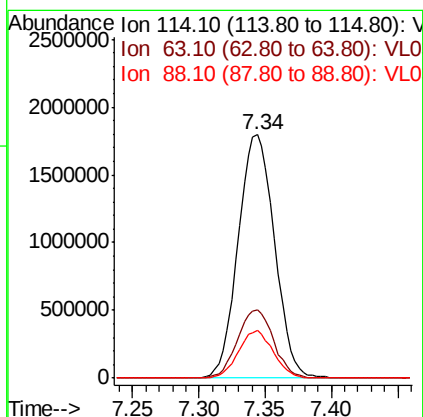
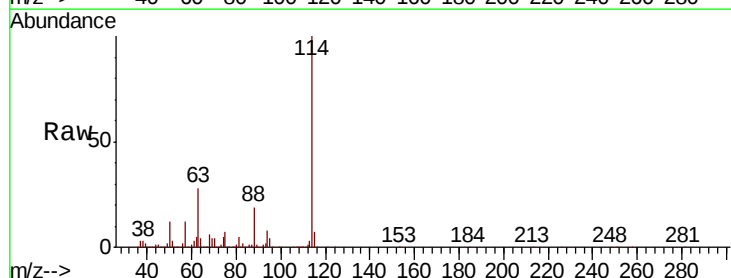
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

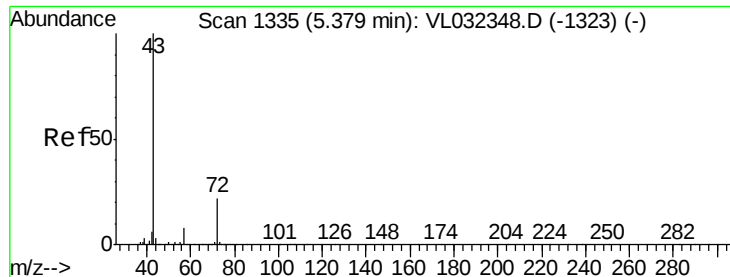
Tgt Ion: 84 Resp: 70341
Ion Ratio Lower Upper
84 100
56 123.6 115.7 173.5
41 97.8 67.9 101.9



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.34 min Scan# 1946
Delta R.T. -0.01 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

Tgt Ion: 114 Resp: 3430102
Ion Ratio Lower Upper
114 100
63 28.0 22.0 33.0
88 18.8 15.3 22.9

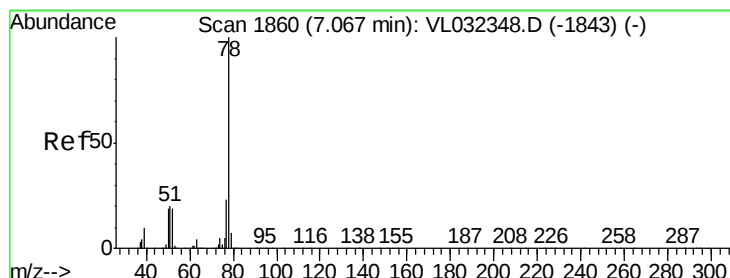
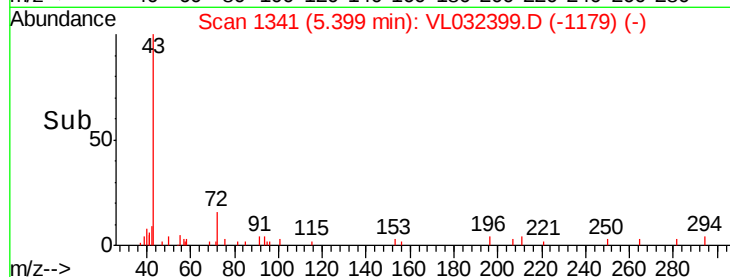
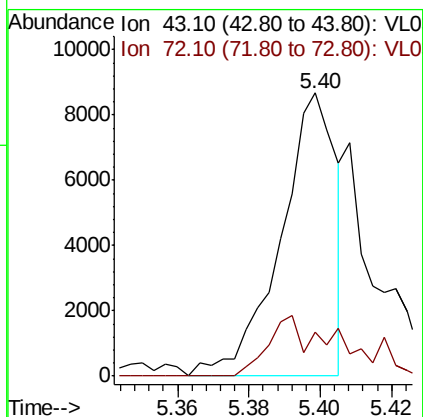
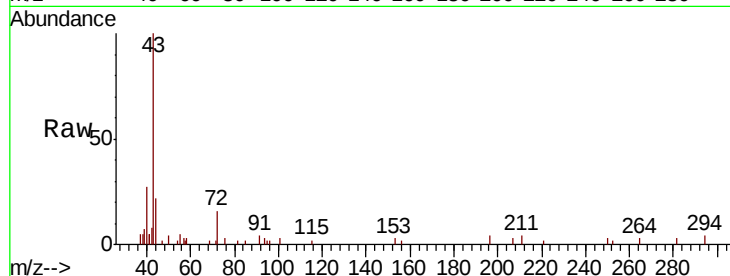




#34
2-Butanone
Concen: 0.040 ppbv
RT: 5.40 min Scan# 1341
Delta R.T. 0.02 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

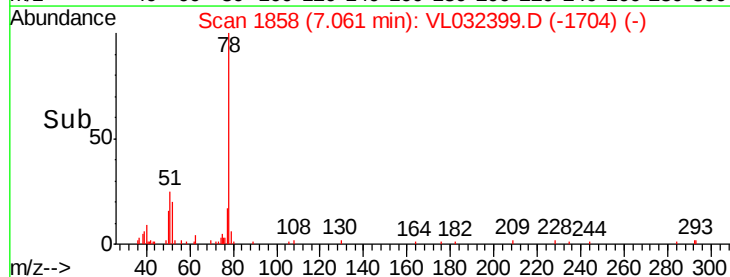
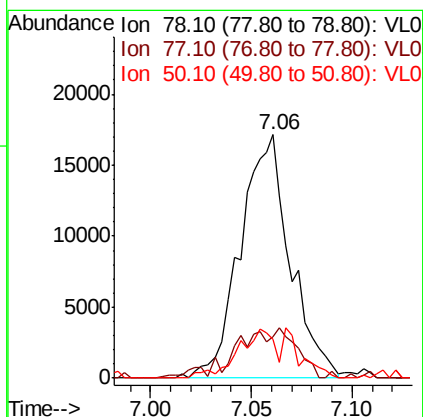
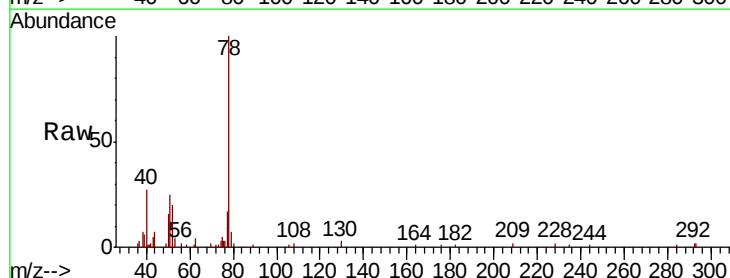
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

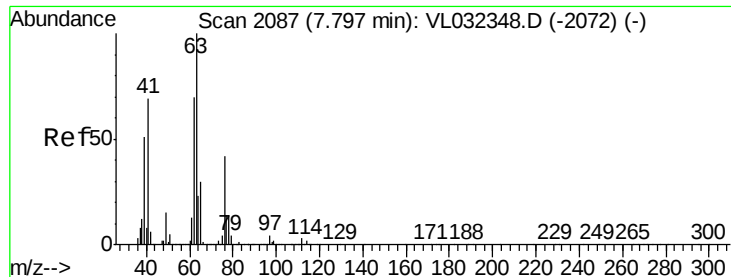
Tgt Ion: 43 Resp: 9350
Ion Ratio Lower Upper
43 100
72 27.7 17.9 26.9#



#36
Benzene
Concen: 0.101 ppbv
RT: 7.06 min Scan# 1858
Delta R.T. -0.01 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

Tgt Ion: 78 Resp: 29501
Ion Ratio Lower Upper
78 100
77 17.0 18.0 27.0#
50 16.0 15.1 22.7





#39

1,2-Dichloropropane

Concen: 7.786 ppbv

RT: 7.34 min Scan# 1946

Delta R.T. -0.45 min

Lab File: VL032399.D

Acq: 17 Aug 2018 8:46

Instrument :

MSVOA_L

ClientSampleId :

SS08-MIVIDL2

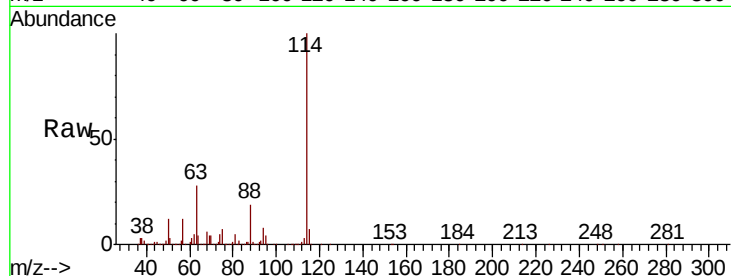
Tgt Ion: 63 Resp: 945798

Ion Ratio Lower Upper

63 100

41 0.0 55.5 83.3#

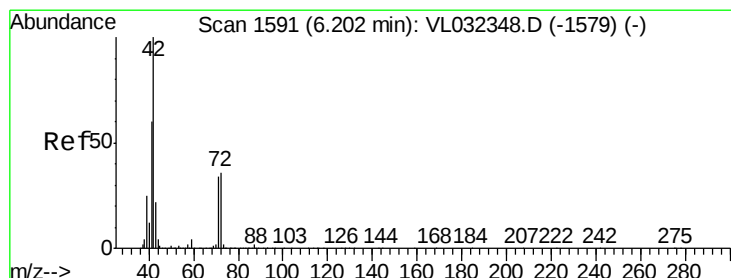
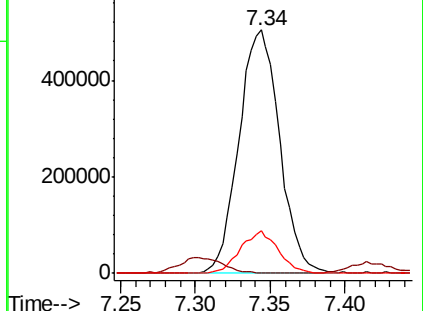
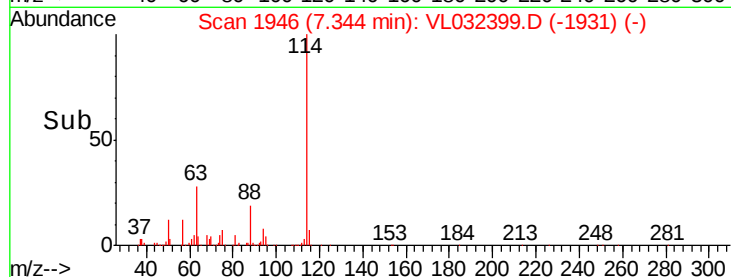
62 17.5 56.3 84.5#



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



#41

Tetrahydrofuran

Concen: 0.144 ppbv

RT: 6.48 min Scan# 1677

Delta R.T. 0.28 min

Lab File: VL032399.D

Acq: 17 Aug 2018 8:46

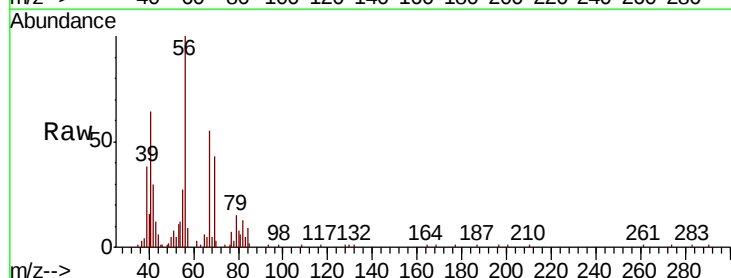
Tgt Ion: 42 Resp: 18093

Ion Ratio Lower Upper

42 100

72 1.0 29.8 44.6#

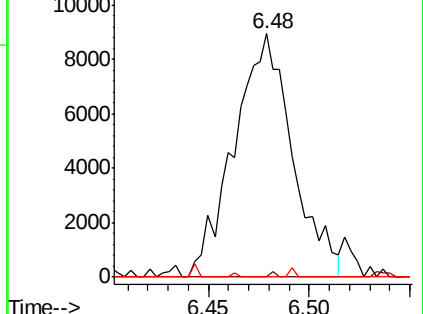
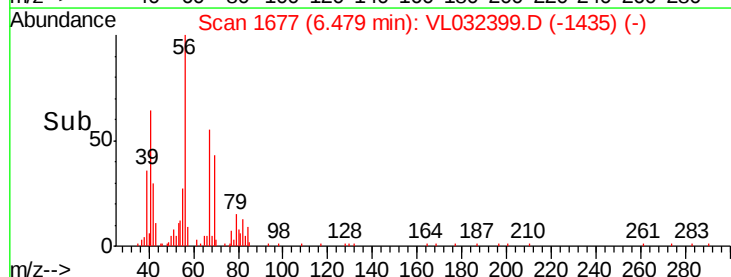
71 0.0 28.2 42.2#

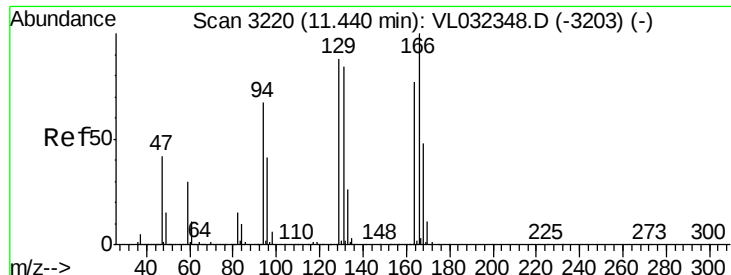


Abundance Ion 42.10 (41.80 to 42.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

Ion 71.10 (70.80 to 71.80): VL0

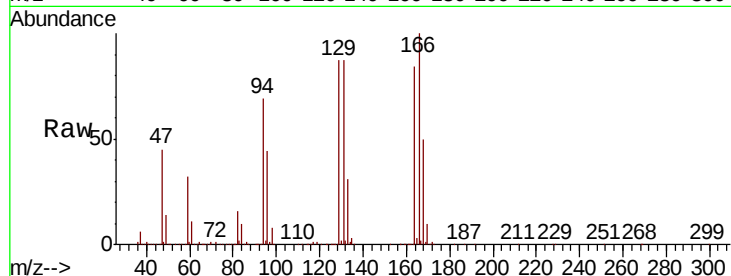




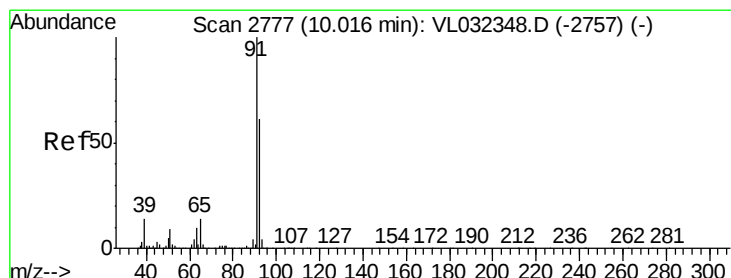
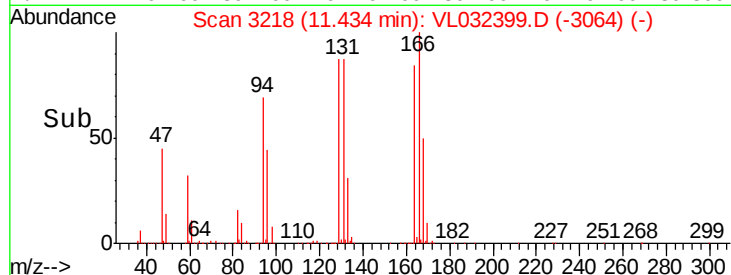
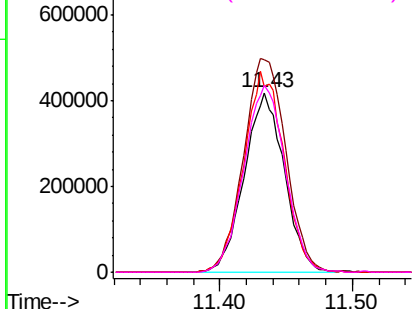
#52
Tetrachloroethene
Concen: 10.231 ppbv
RT: 11.43 min Scan# 3218
Delta R.T. -0.01 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

Tgt Ion	Ratio	Lower	Upper
164	100		
166	118.6	103.5	155.3
129	103.4	90.9	136.3
131	103.7	86.7	130.1

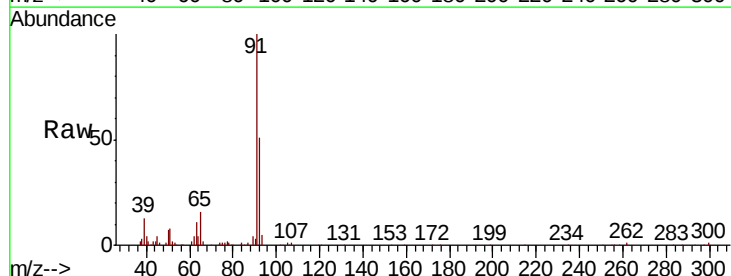


Abundance Ion 163.90 (163.60 to 164.60): V
Ion 165.90 (165.60 to 166.60): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V

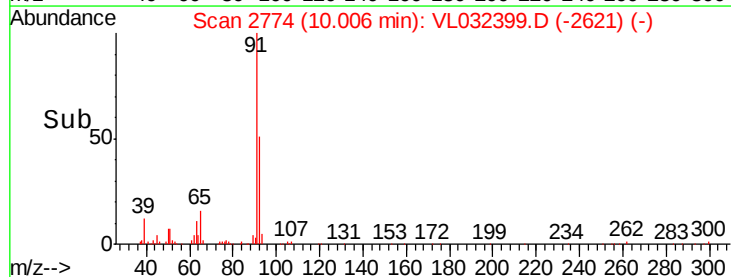
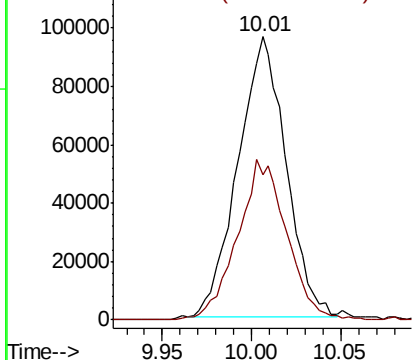


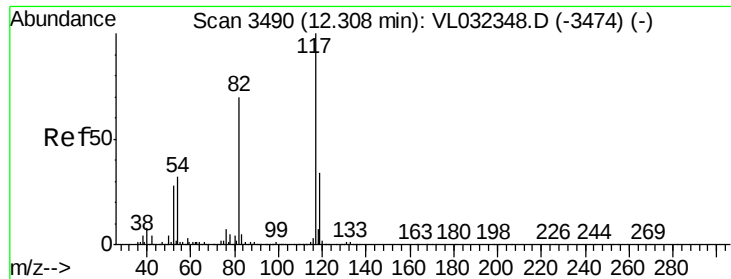
#53
Toluene
Concen: 0.565 ppbv
RT: 10.01 min Scan# 2774
Delta R.T. -0.01 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.0	48.7	73.1



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 92.10 (91.80 to 92.80): VL0

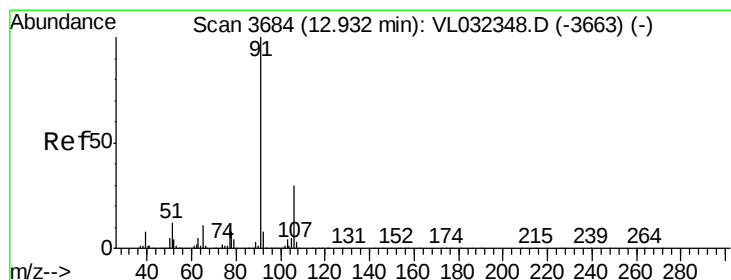
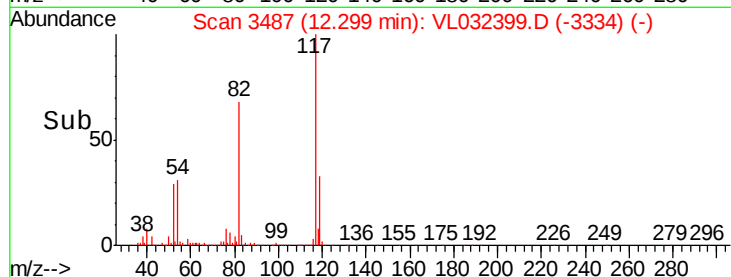
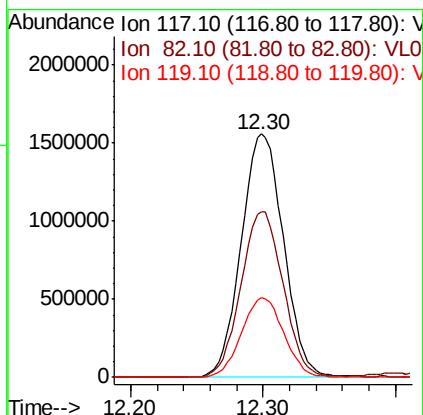
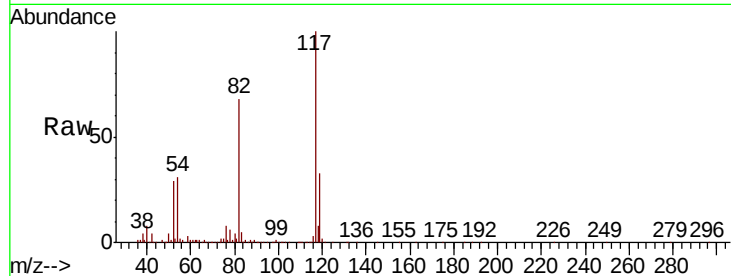




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.30 min Scan# 3487
Delta R.T. -0.01 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

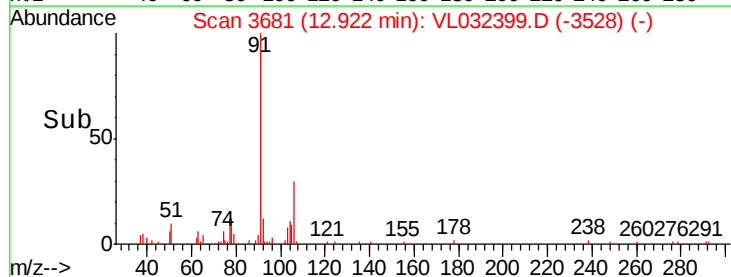
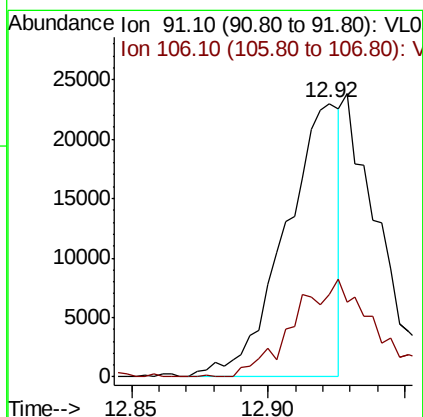
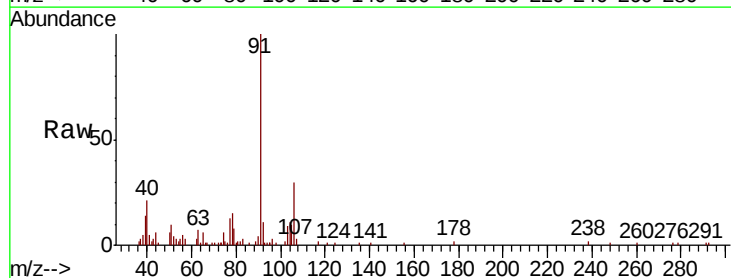
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

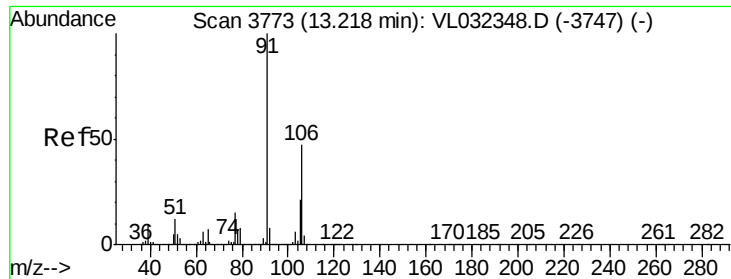
Tgt Ion: 117 Resp: 3444998
Ion Ratio Lower Upper
117 100
82 68.1 55.1 82.7
119 32.9 46.0 69.0#



#58
Ethyl Benzene
Concen: 0.076 ppbv
RT: 12.92 min Scan# 3681
Delta R.T. -0.01 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

Tgt Ion: 91 Resp: 31695
Ion Ratio Lower Upper
91 100
106 30.3 24.3 36.5

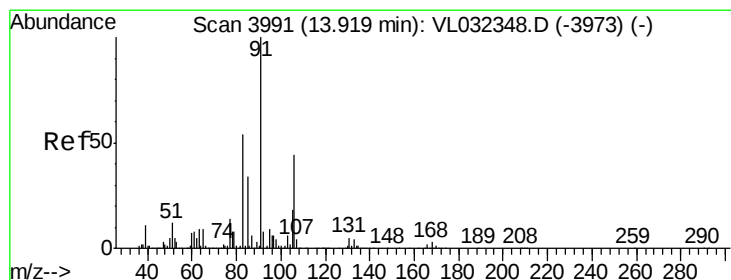
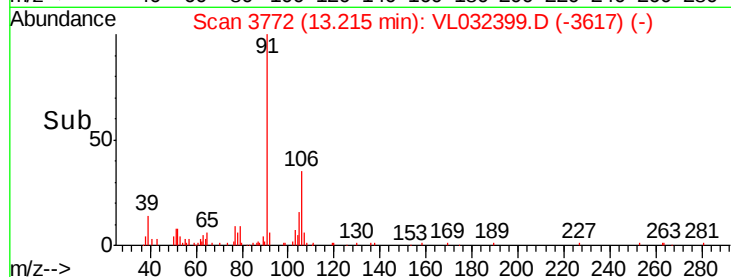
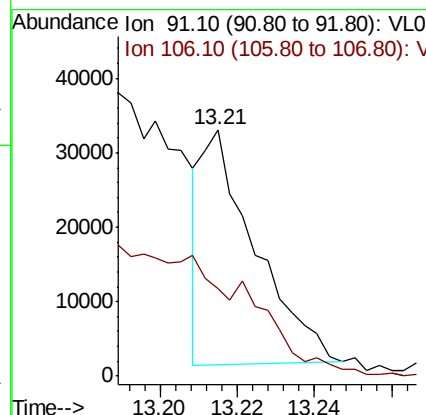
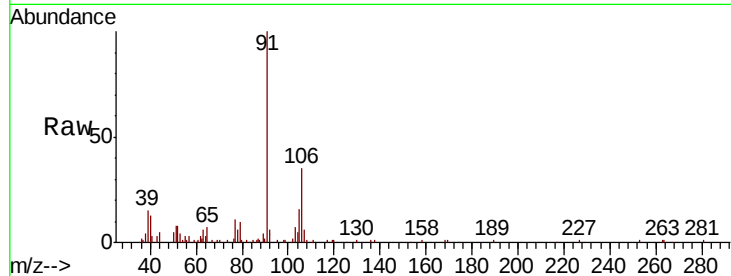




#59
m/p-Xylene
Concen: 0.086 ppbv
RT: 13.21 min Scan# 3772
Delta R.T. -0.00 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

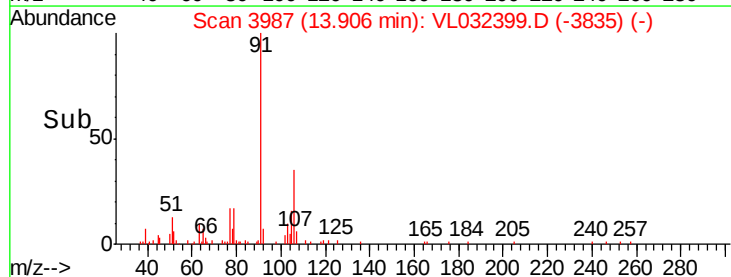
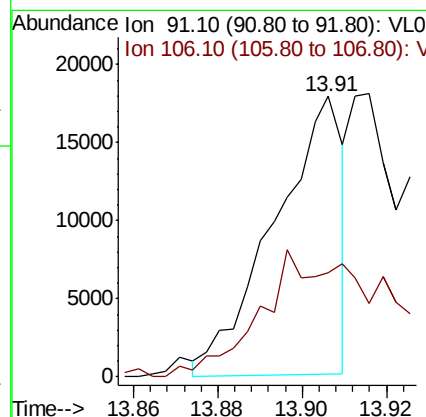
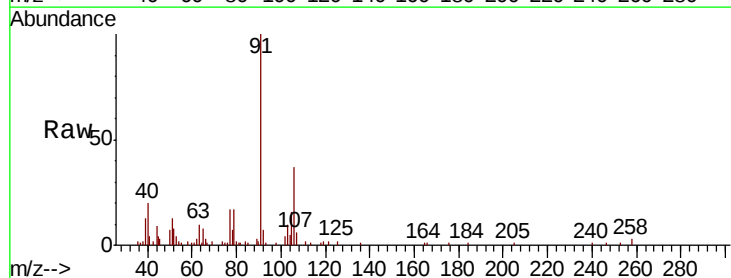
Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

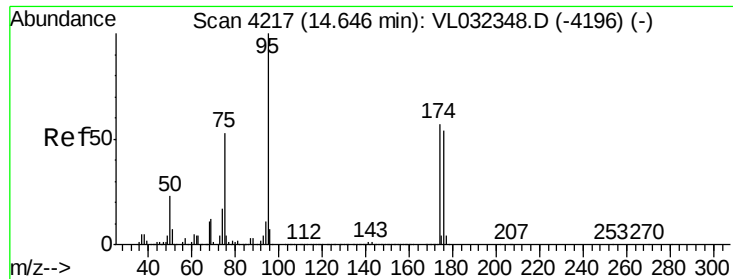
Tgt Ion: 91 Resp: 30313
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.4#



#60
o-Xylene
Concen: 0.058 ppbv
RT: 13.91 min Scan# 3987
Delta R.T. -0.01 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

Tgt Ion: 91 Resp: 20060
Ion Ratio Lower Upper
91 100
106 85.0 22.3 66.8#

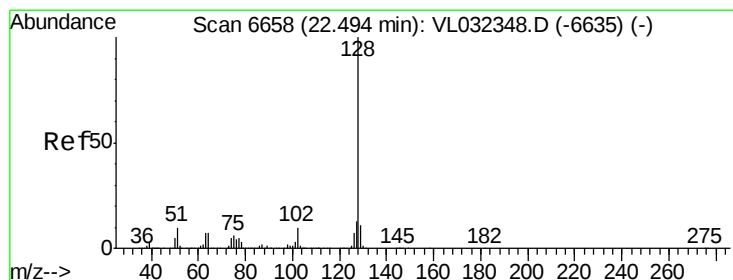
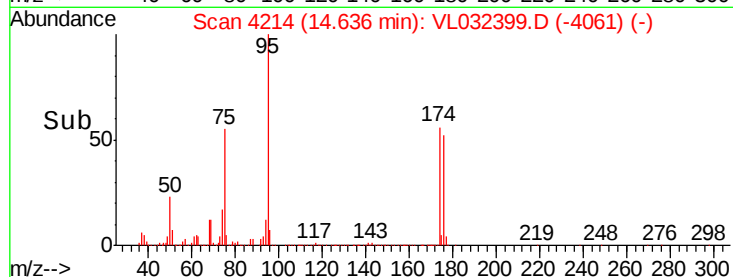
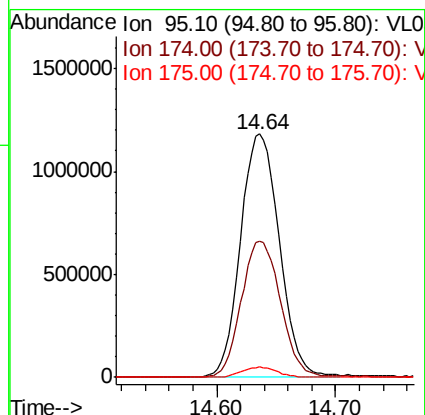
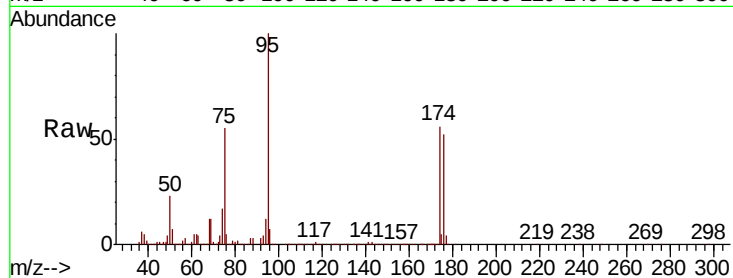




#68
1-Bromo-4-Fluorobenzene
Concen: 10.194 ppbv
RT: 14.64 min Scan# 4214
Delta R.T. -0.01 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

Instrument :
MSVOA_L
ClientSampleId :
SS08-MIVIDL2

Tgt Ion: 95 Resp: 2679196
Ion Ratio Lower Upper
95 100
174 57.2 46.2 69.4
175 4.1 3.4 5.0



#79
Naphthalene
Concen: 0.329 ppbv
RT: 22.48 min Scan# 6653
Delta R.T. -0.02 min
Lab File: VL032399.D
Acq: 17 Aug 2018 8:46

Tgt Ion: 128 Resp: 696
Ion Ratio Lower Upper
128 100
127 0.0 10.3 15.5#
129 39.8 8.6 13.0#

