

Data File : VX000164.D

Acq On : 28 Feb 2018 14:04

Operator : JC/MD

Sample : J1690-01

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
DSN001

Quant Time: Mar 01 06:30:49 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M

Quant Title : SW846 8260

QLast Update : Thu Feb 15 12:46:41 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.68	168	122387	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	202818	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	185769	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	96354	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	77013	50.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.78%	
35) Dibromofluoromethane	5.51	113	58755	45.90	ug/l	0.00
Spiked Amount	50.000		Recovery	=	91.80%	
50) Toluene-d8	8.73	98	242771	48.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.16%	
62) 4-Bromofluorobenzene	11.15	95	85911	43.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.78%	

Target Compounds

						Qvalue
5) Bromomethane	1.64	94	217	Below Cal	#	3
6) Chloroethane	1.73	64	427	0.46	ug/l #	42
11) Tert butyl alcohol	3.06	59	256	0.43	ug/l #	72
13) Acrolein	2.29	56	287	1.02	ug/l #	1
15) Acrylonitrile	3.15	53	428	0.43	ug/l #	75
16) Acetone	2.45	43	5394	5.44	ug/l	98
17) Carbon Disulfide	2.58	76	931	0.25	ug/l	96
20) Methylene Chloride	2.86	84	700	Below Cal		98
25) 2-Butanone	4.72	43	654	0.47	ug/l #	48
28) Bromochloromethane	5.20	49	951	0.95	ug/l #	7
30) Chloroform	5.23	83	10322	4.42	ug/l	87
31) Cyclohexane	5.68	56	2763	1.45	ug/l #	45
36) 1,1-Dichloropropene	5.67	75	9526	5.23	ug/l #	48
38) Carbon Tetrachloride	5.67	117	11940	6.07	ug/l #	16
41) Methacrylonitrile	5.09	41	53	Below Cal	#	1
47) Bromodichloromethane	7.91	83	2898	1.58	ug/l	92
51) 4-Methyl-2-Pentanone	8.63	43	834	0.32	ug/l #	36
60) Dibromochloromethane	9.59	129	580	0.36	ug/l	98
76) 1,2,3-Trichloropropane	11.15	75	49632	24.87	ug/l #	32
81) trans-1,4-Dichloro-2-buten	11.15	75	49632	70.82	ug/l #	12

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

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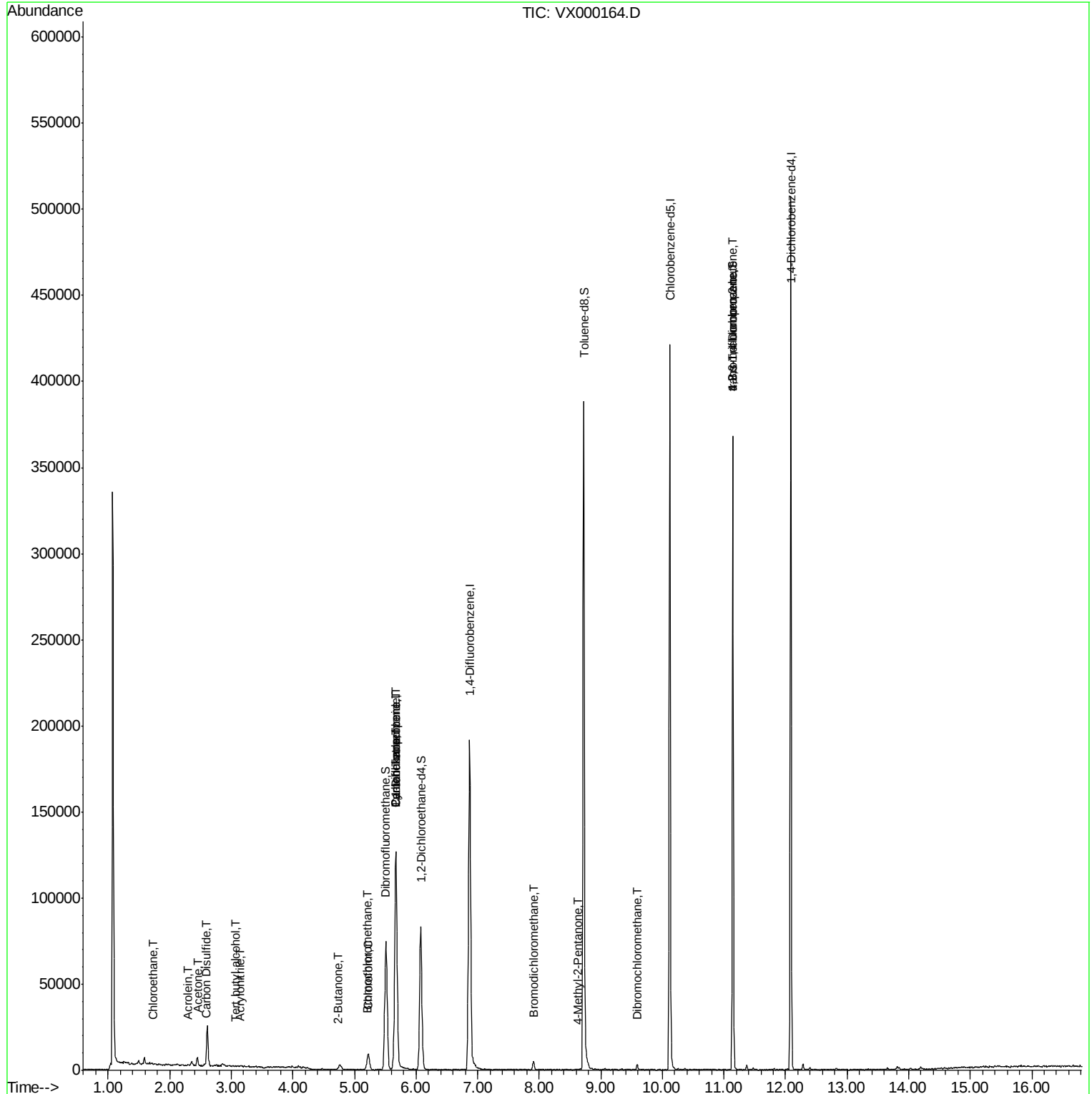
Quant Time: Mar 01 06:30:49 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X021418W.M

Quant Title : SW846 8260

QLast Update : Thu Feb 15 12:46:41 2018

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.00 min

Lab File: VX000164.D

Acq: 28 Feb 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

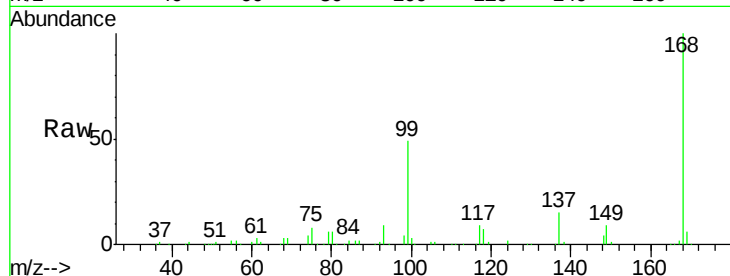
DSN001

Tgt Ion: 168 Resp: 122387

Ion Ratio Lower Upper

168 100

99 49.3 43.1 64.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.68

40000

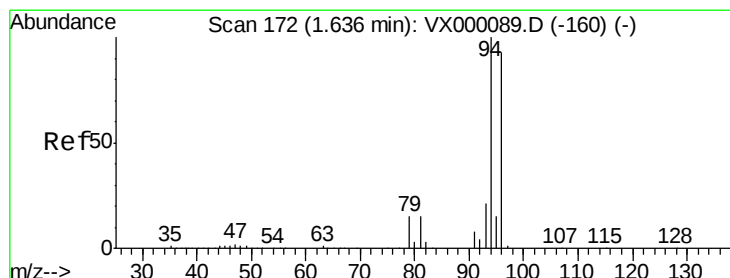
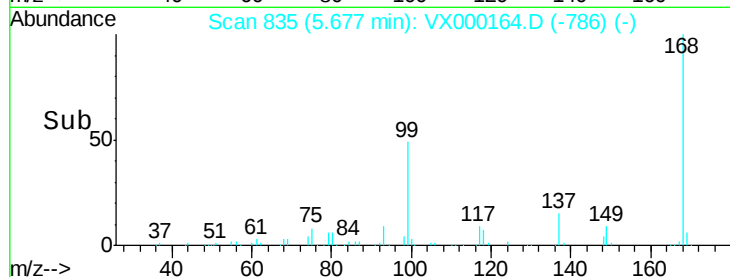
30000

20000

10000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 173

Delta R.T. 0.01 min

Lab File: VX000164.D

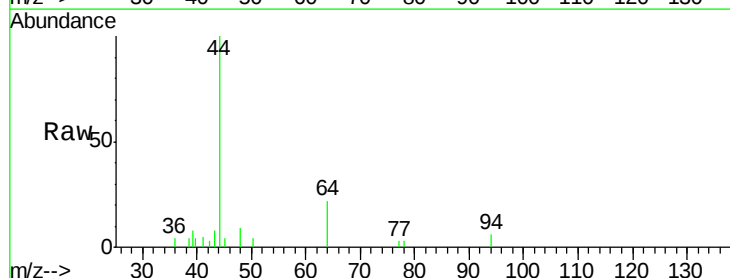
Acq: 28 Feb 2018 14:04

Tgt Ion: 94 Resp: 217

Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

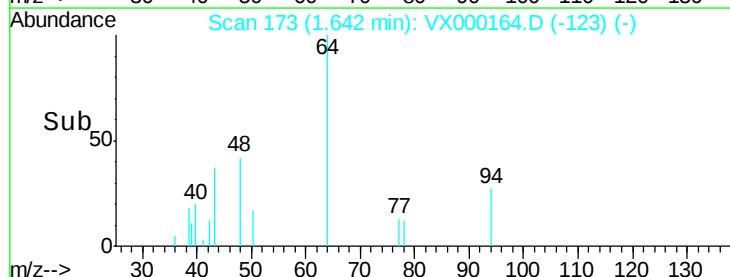
150

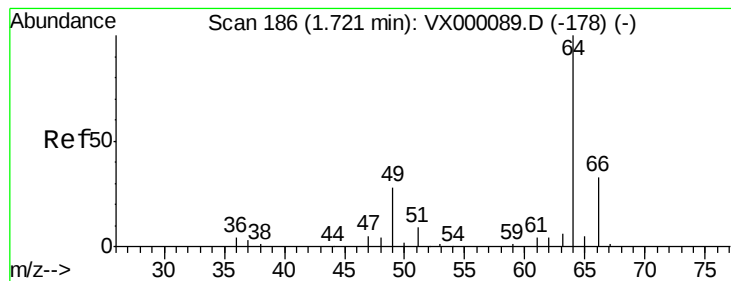
100

50

0

Time-->





#6

Chloroethane

Concen: 0.46 ug/l

RT: 1.73 min Scan# 188

Delta R.T. 0.01 min

Lab File: VX000164.D

Acq: 28 Feb 2018 14:04

Instrument :

MSVOA_X

ClientSampled :

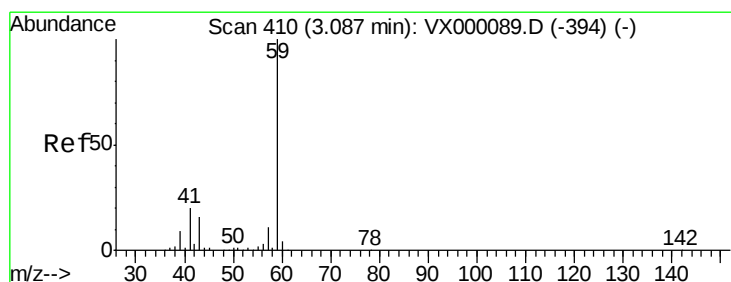
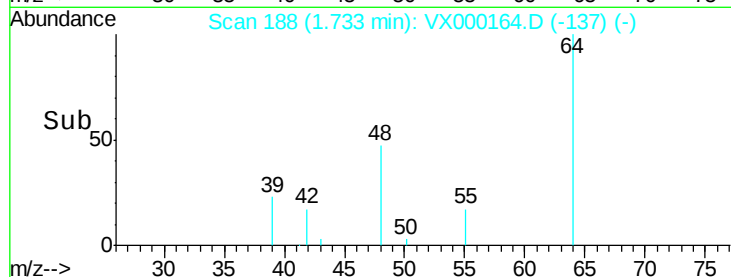
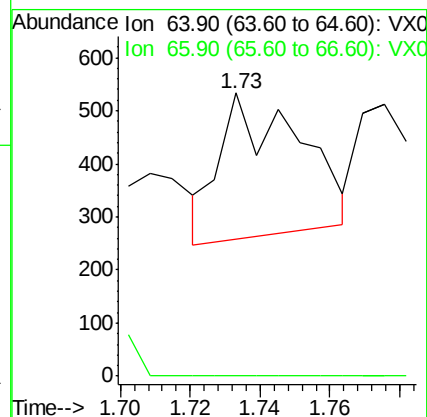
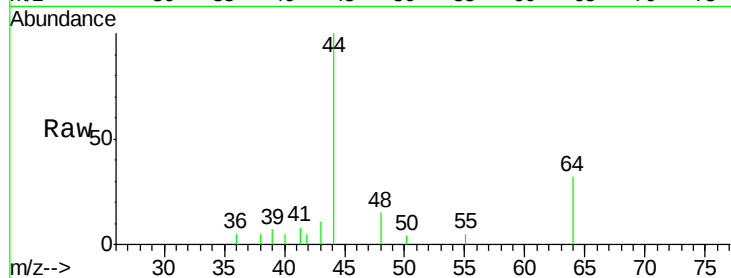
DSN001

Tgt Ion: 64 Resp: 427

Ion Ratio Lower Upper

64 100

66 0.0 26.0 39.0#



#11

Tert butyl alcohol

Concen: 0.43 ug/l

RT: 3.06 min Scan# 405

Delta R.T. -0.03 min

Lab File: VX000164.D

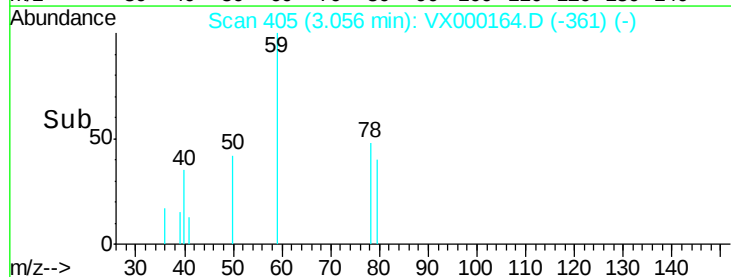
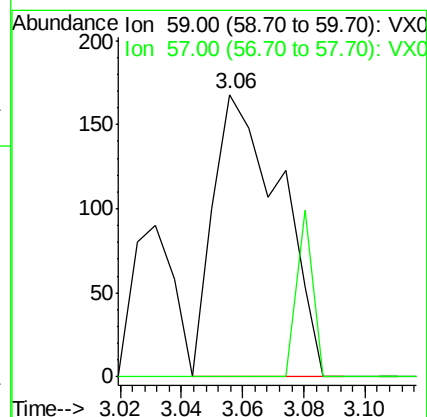
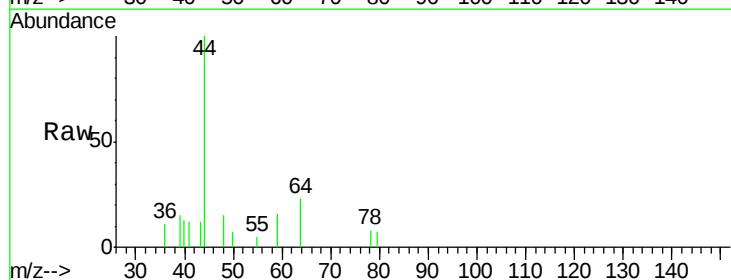
Acq: 28 Feb 2018 14:04

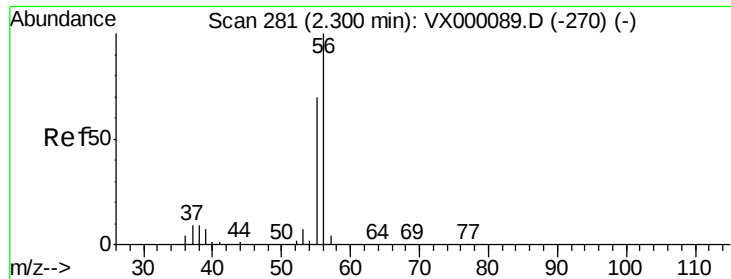
Tgt Ion: 59 Resp: 256

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#





#13

Acrolein

Concen: 1.02 ug/l

RT: 2.29 min Scan# 280

Delta R.T. -0.01 min

Lab File: VX000164.D

Acq: 28 Feb 2018 14:04

Instrument :

MSVOA_X

ClientSampled :

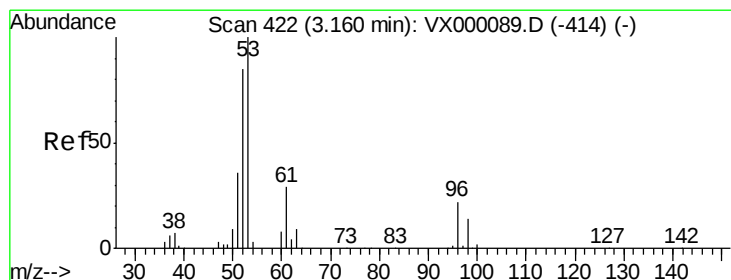
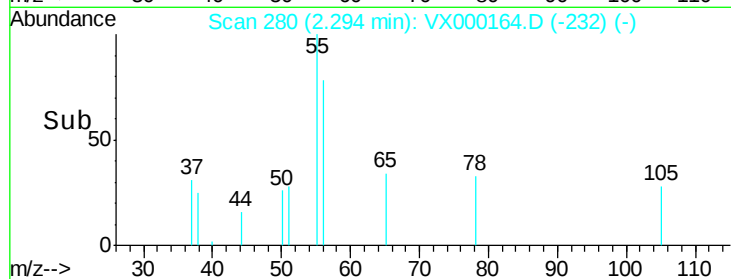
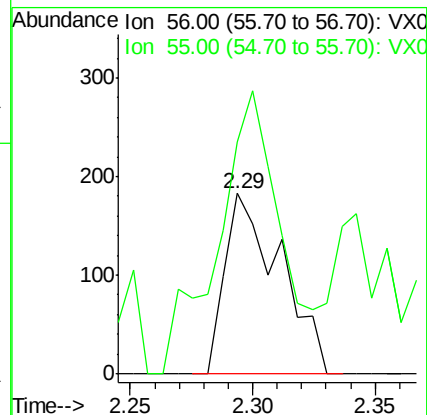
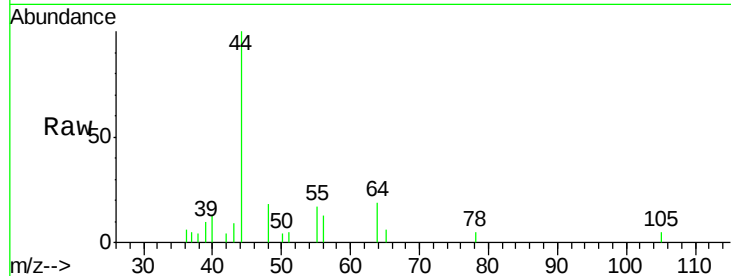
DSN001

Tgt Ion: 56 Resp: 287

Ion Ratio Lower Upper

56 100

55 178.0 56.2 84.4#



#15

Acrylonitrile

Concen: 0.43 ug/l

RT: 3.15 min Scan# 420

Delta R.T. -0.01 min

Lab File: VX000164.D

Acq: 28 Feb 2018 14:04

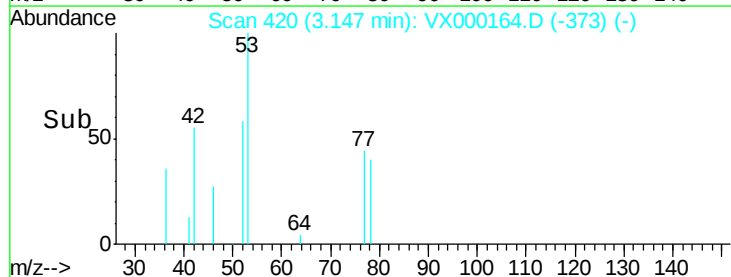
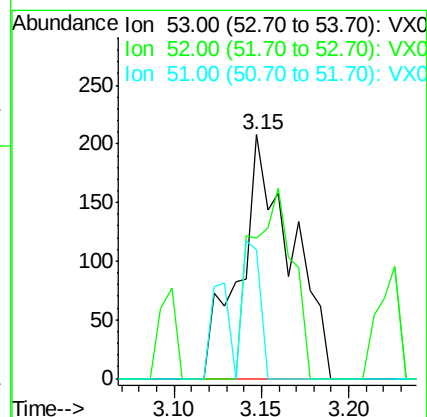
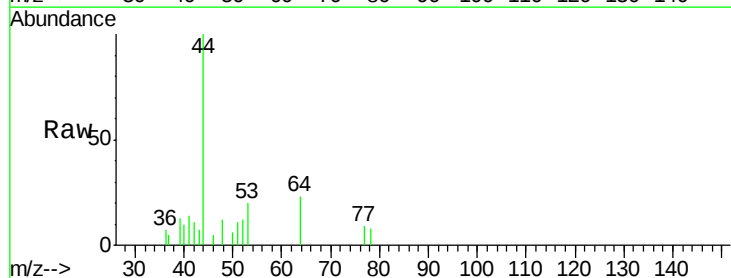
Tgt Ion: 53 Resp: 428

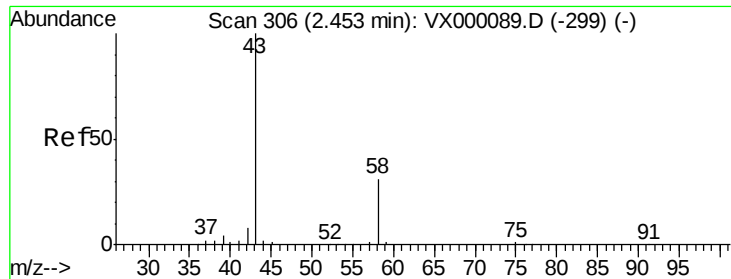
Ion Ratio Lower Upper

53 100

52 62.4 66.5 99.7#

51 19.4 29.0 43.6#

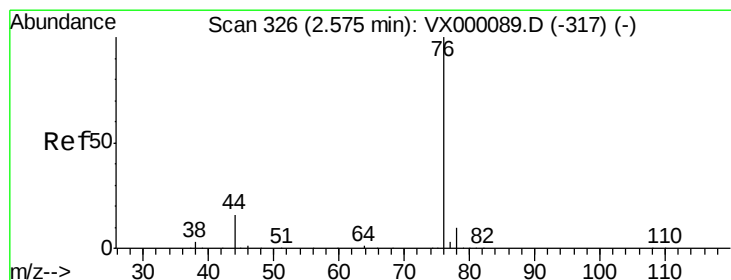
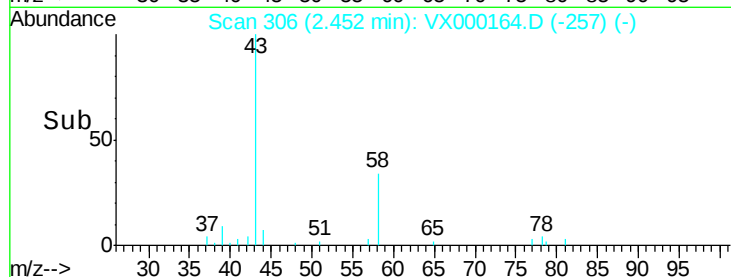
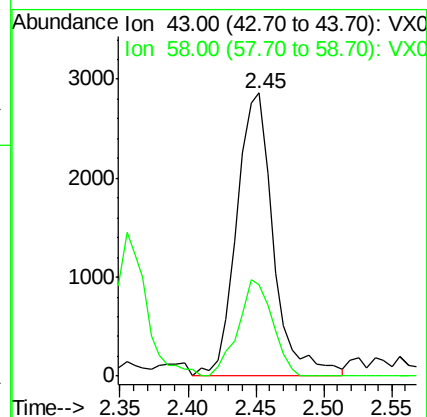
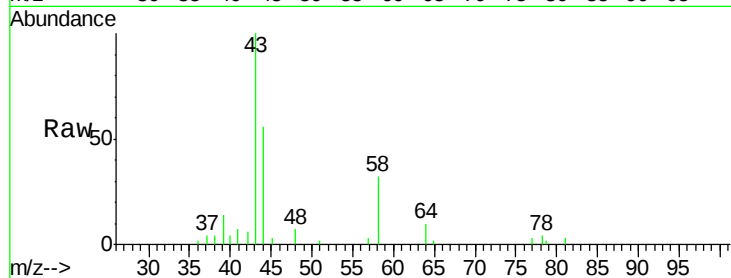




#16
Acetone
Concen: 5.44 ug/l
RT: 2.45 min Scan# 306
Delta R.T. -0.00 min
Lab File: VX000164.D
Acq: 28 Feb 2018 14:04

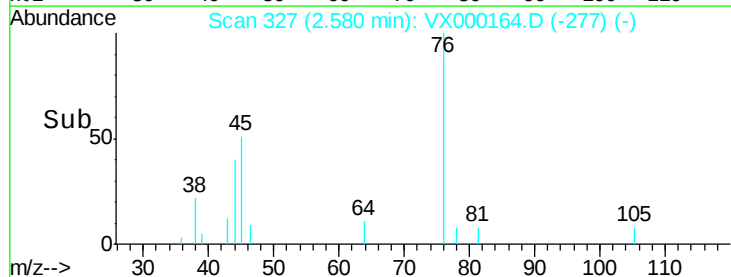
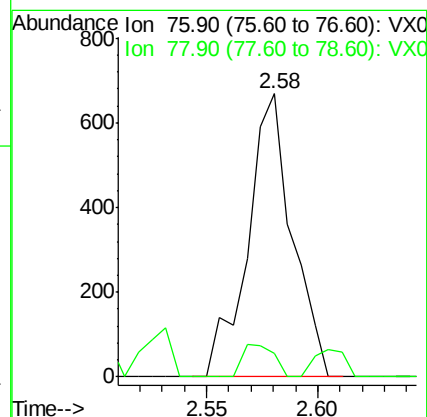
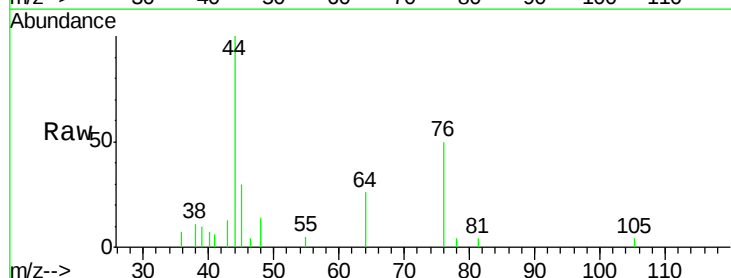
Instrument :
MSVOA_X
ClientSampleId :
DSN001

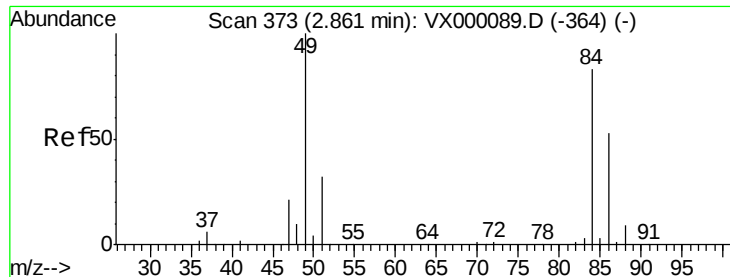
Tgt Ion: 43 Resp: 5394
Ion Ratio Lower Upper
43 100
58 32.4 25.0 37.4



#17
Carbon Disulfide
Concen: 0.25 ug/l
RT: 2.58 min Scan# 327
Delta R.T. 0.01 min
Lab File: VX000164.D
Acq: 28 Feb 2018 14:04

Tgt Ion: 76 Resp: 931
Ion Ratio Lower Upper
76 100
78 8.4 7.8 11.8



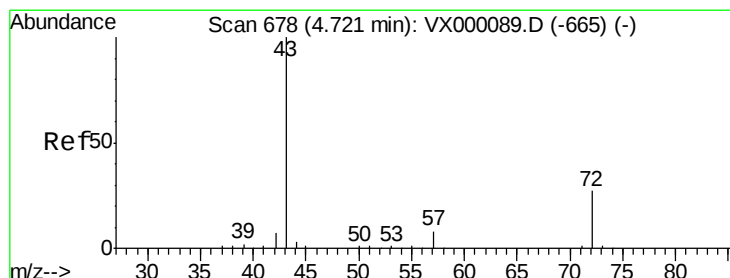
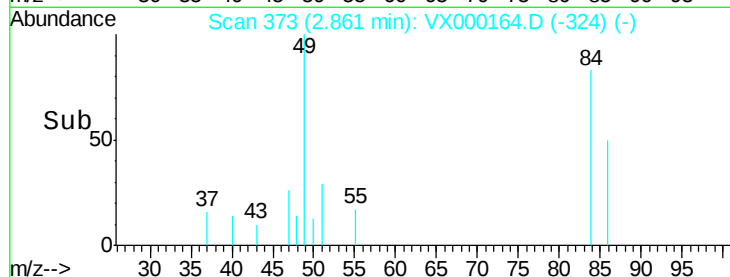
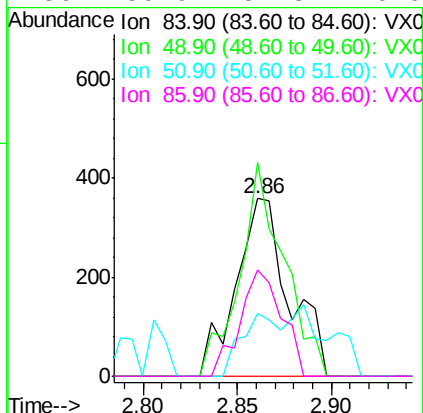
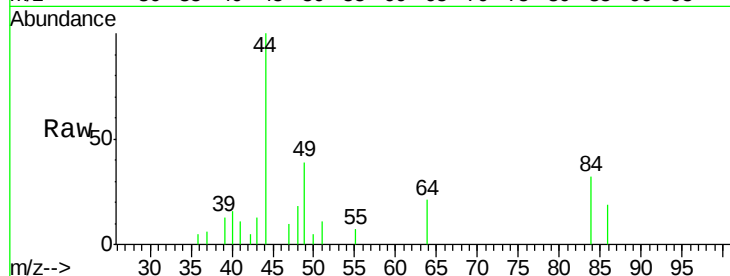


#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 373
Delta R.T. -0.00 min
Lab File: VX000164.D
Acq: 28 Feb 2018 14:04

Instrument :
MSVOA_X
ClientSampleId :
DSN001

Tgt Ion: 84 Resp: 700

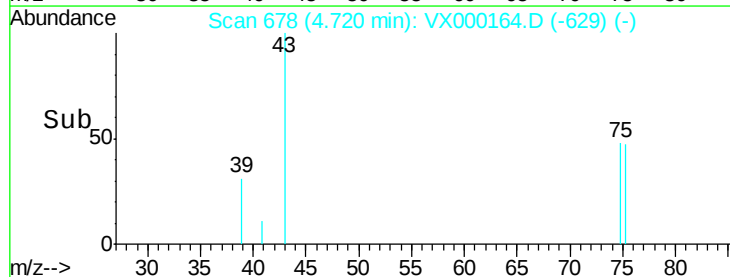
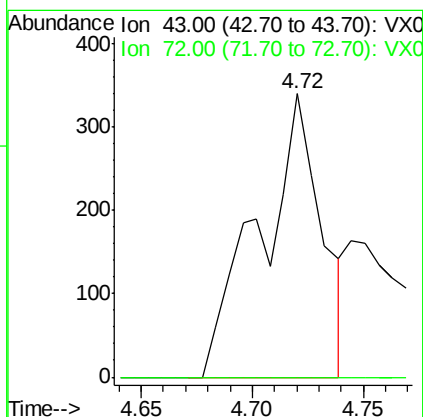
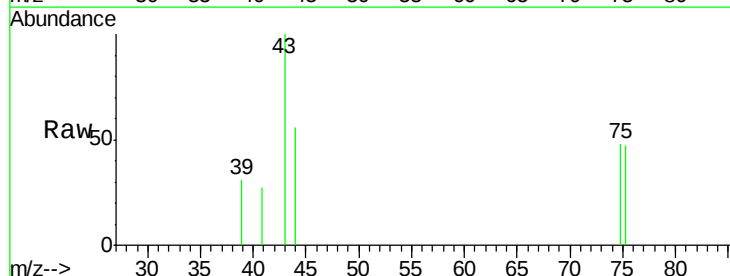
Ion	Ratio	Lower	Upper
84	100		
49	120.1	96.1	144.1
51	35.1	30.5	45.7
86	59.9	51.3	76.9

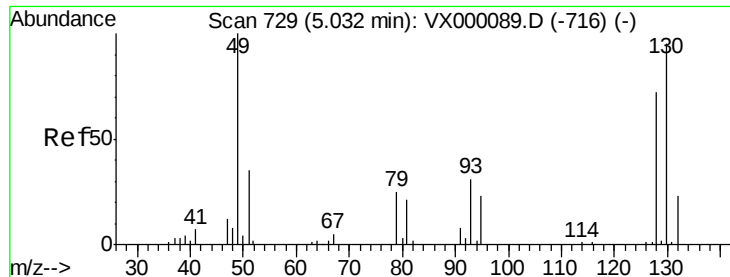


#25
2-Butanone
Concen: 0.47 ug/l
RT: 4.72 min Scan# 678
Delta R.T. -0.00 min
Lab File: VX000164.D
Acq: 28 Feb 2018 14:04

Tgt Ion: 43 Resp: 654

Ion	Ratio	Lower	Upper
43	100		
72	0.0	21.3	31.9#

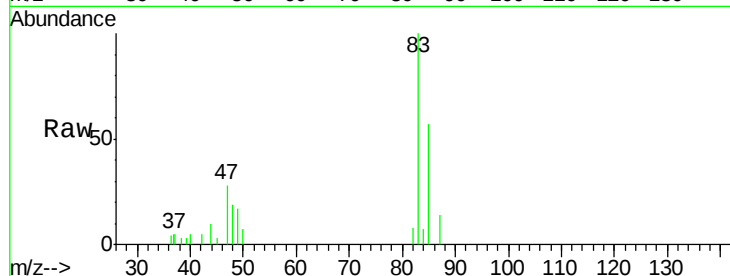




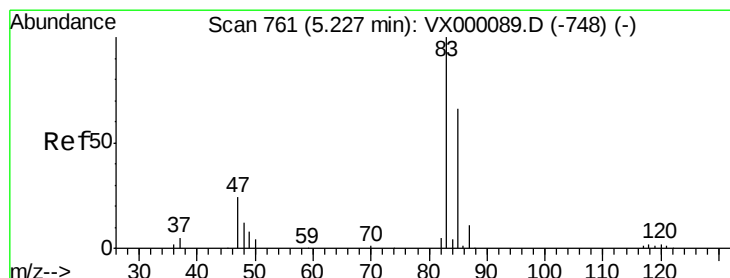
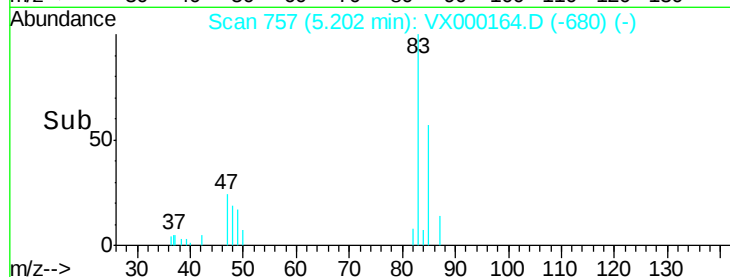
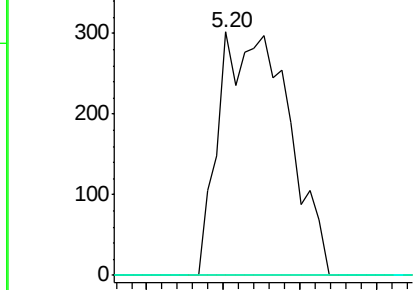
#28
Bromochloromethane
Concen: 0.95 ug/l
RT: 5.20 min Scan# 757
Delta R.T. 0.17 min
Lab File: VX000164.D
Acq: 28 Feb 2018 14:04

Instrument :
MSVOA_X
ClientSampleId :
DSN001

Tgt Ion: 49 Resp: 951
Ion Ratio Lower Upper
49 100
129 0.0 0.0 5.0
130 0.0 71.9 107.9#

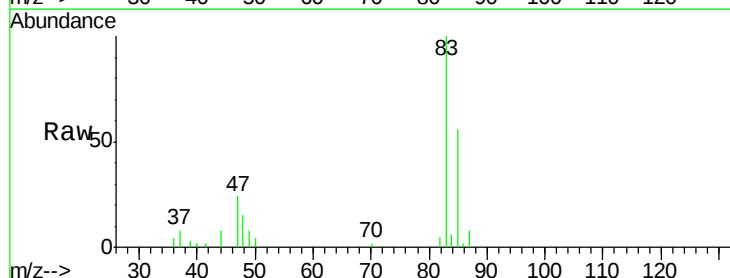


Abundance Ion 48.90 (48.60 to 49.60): VX0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

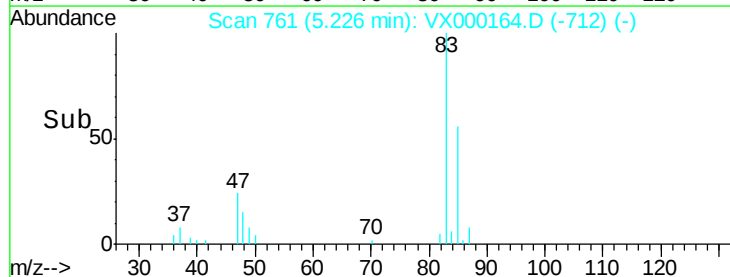
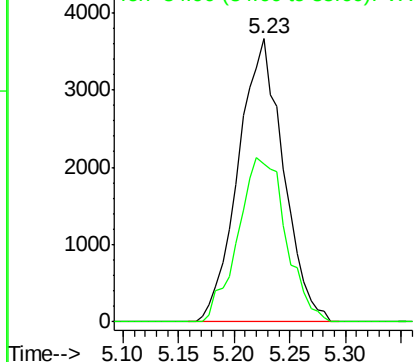


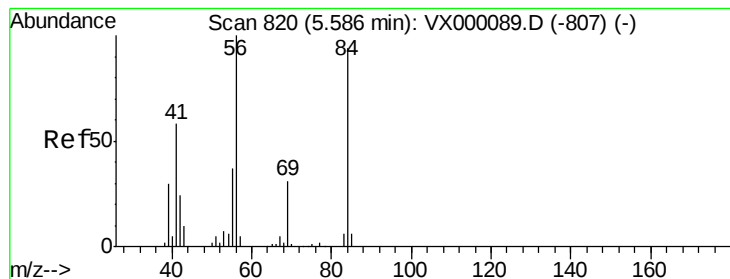
#30
Chloroform
Concen: 4.42 ug/l
RT: 5.23 min Scan# 761
Delta R.T. -0.00 min
Lab File: VX000164.D
Acq: 28 Feb 2018 14:04

Tgt Ion: 83 Resp: 10322
Ion Ratio Lower Upper
83 100
85 55.6 52.7 79.1



Abundance Ion 82.90 (82.60 to 83.60): VX0
Ion 84.90 (84.60 to 85.60): VX0





#31

Cyclohexane

Concen: 1.45 ug/l

RT: 5.68 min Scan# 835

Delta R.T. 0.09 min

Lab File: VX000164.D

Acq: 28 Feb 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

DSN001

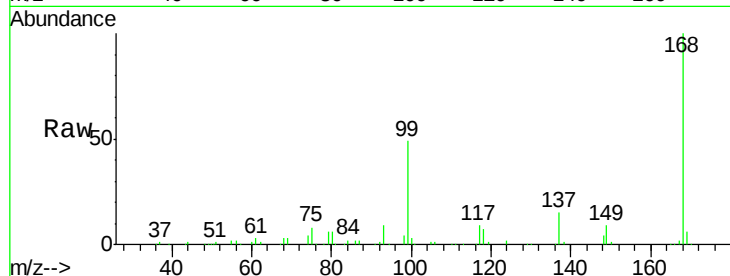
Tgt Ion: 56 Resp: 2763

Ion Ratio Lower Upper

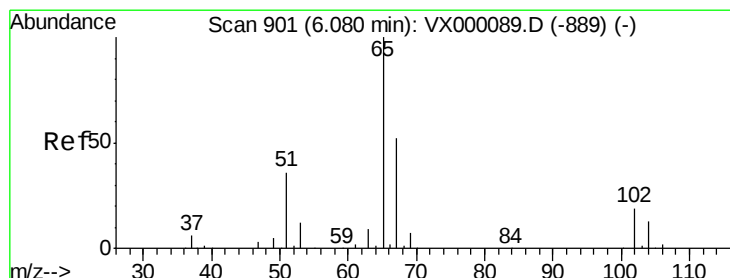
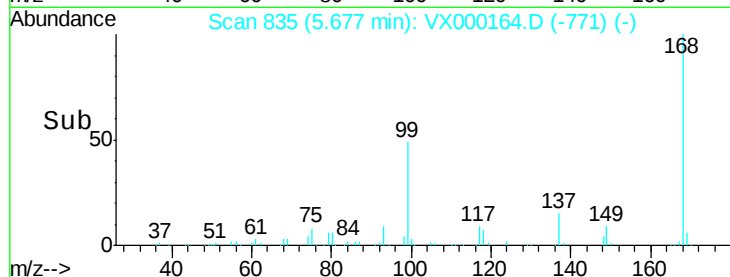
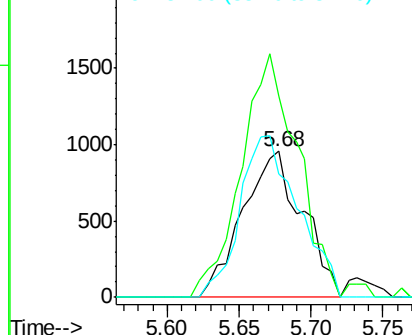
56 100

69 138.0 24.9 37.3#

84 84.7 75.0 112.4



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 50.39 ug/l

RT: 6.08 min Scan# 901

Delta R.T. -0.00 min

Lab File: VX000164.D

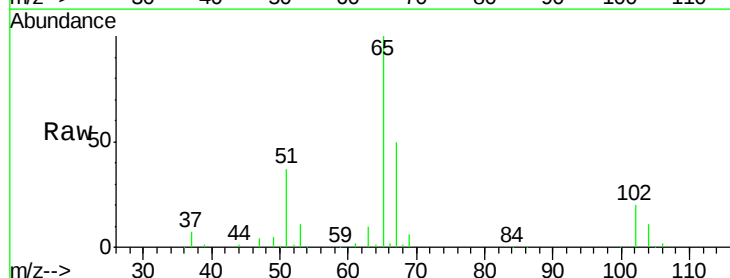
Acq: 28 Feb 2018 14:04

Tgt Ion: 65 Resp: 77013

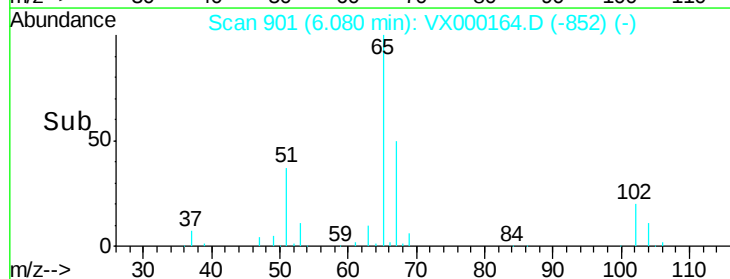
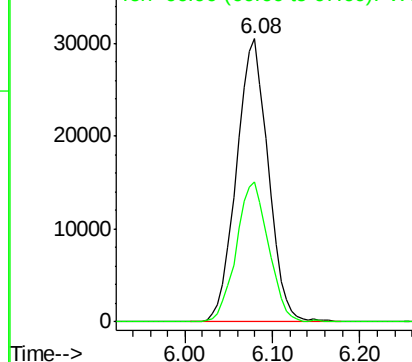
Ion Ratio Lower Upper

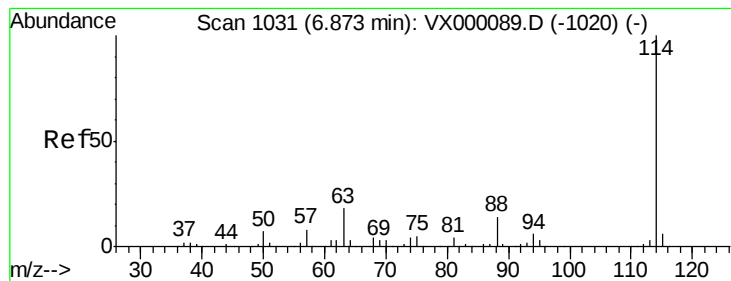
65 100

67 50.1 0.0 104.8



Abundance Ion 64.90 (64.60 to 65.60): VX0
Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.87 min Scan# 1031

Delta R.T. -0.00 min

Lab File: VX000164.D

Acq: 28 Feb 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

DSN001

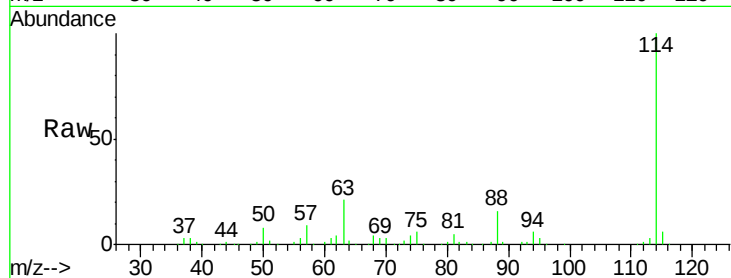
Tgt Ion:114 Resp: 202818

Ion Ratio Lower Upper

114 100

63 21.0 0.0 36.4

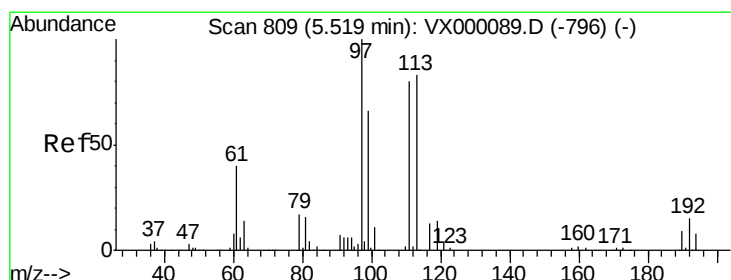
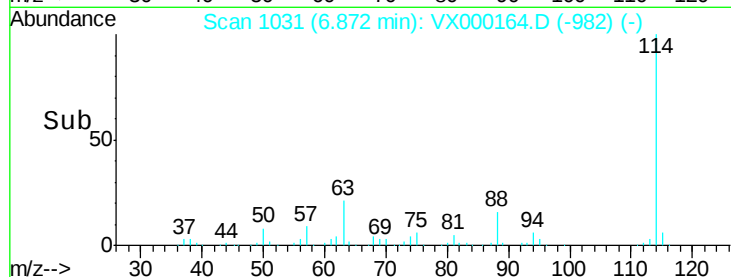
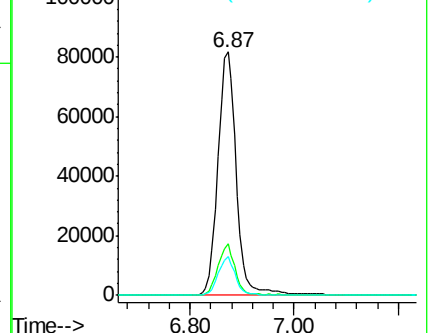
88 16.1 0.0 29.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0



#35

Dibromofluoromethane

Concen: 45.90 ug/l

RT: 5.51 min Scan# 808

Delta R.T. -0.01 min

Lab File: VX000164.D

Acq: 28 Feb 2018 14:04

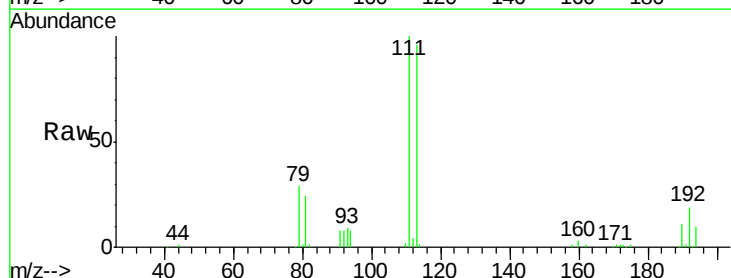
Tgt Ion:113 Resp: 58755

Ion Ratio Lower Upper

113 100

111 103.6 81.0 121.6

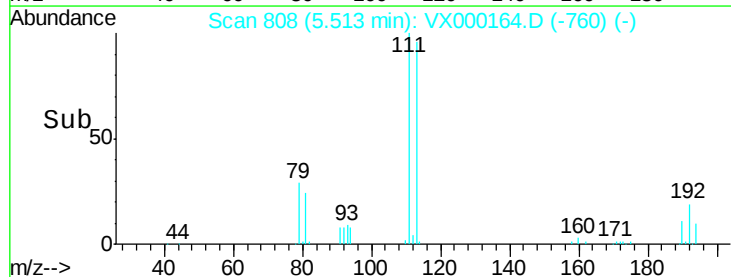
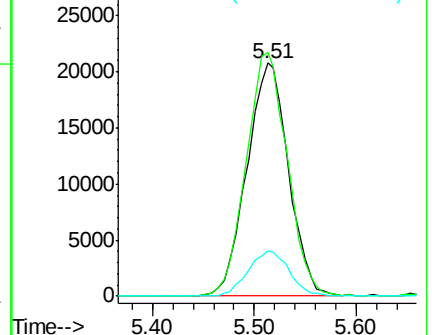
192 19.3 15.7 23.5

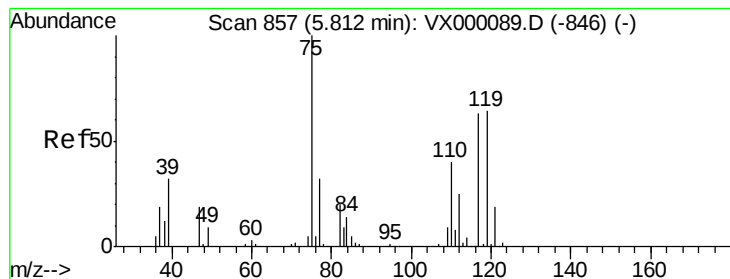


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 5.23 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.14 min

Lab File: VX000164.D

Acq: 28 Feb 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

DSN001

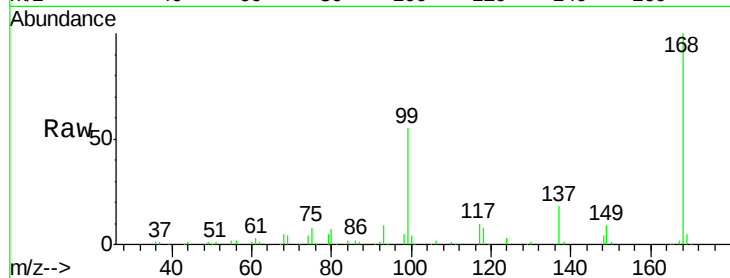
Tgt Ion: 75 Resp: 9526

Ion Ratio Lower Upper

75 100

110 9.7 19.5 58.5#

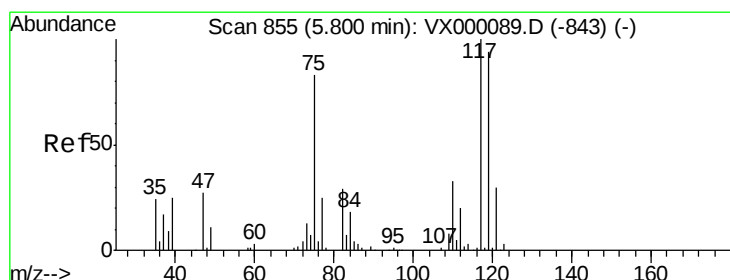
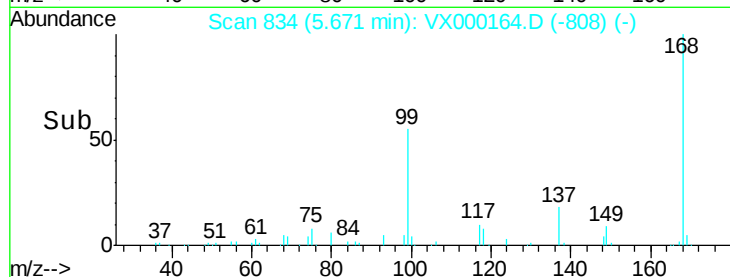
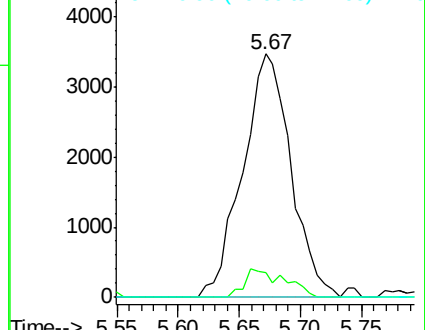
77 0.0 24.7 37.1#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0



#38

Carbon Tetrachloride

Concen: 6.07 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX000164.D

Acq: 28 Feb 2018 14:04

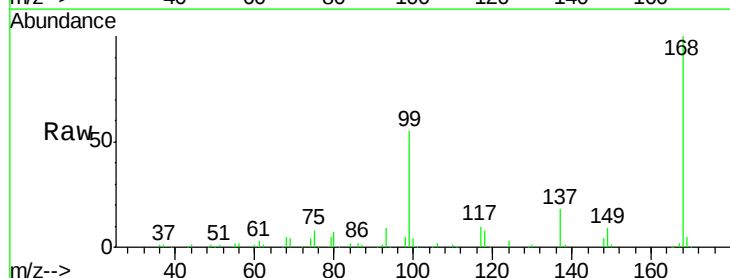
Tgt Ion: 117 Resp: 11940

Ion Ratio Lower Upper

117 100

119 3.9 75.3 112.9#

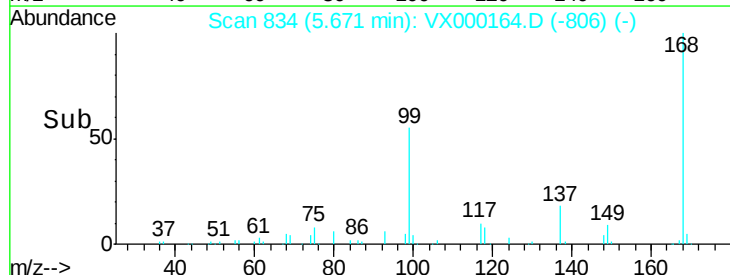
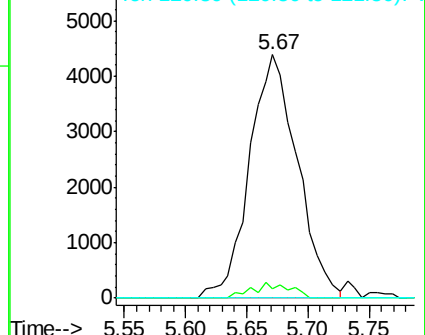
121 0.0 23.7 35.5#

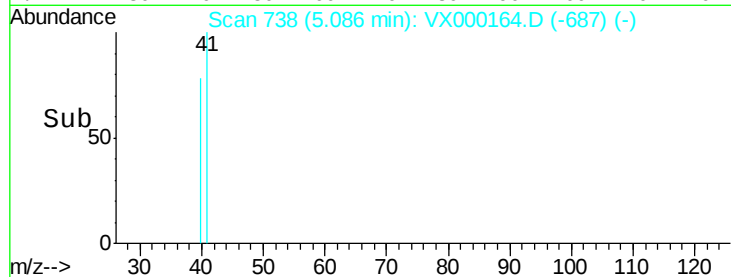
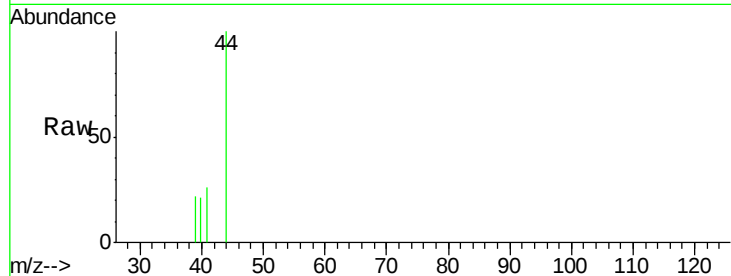
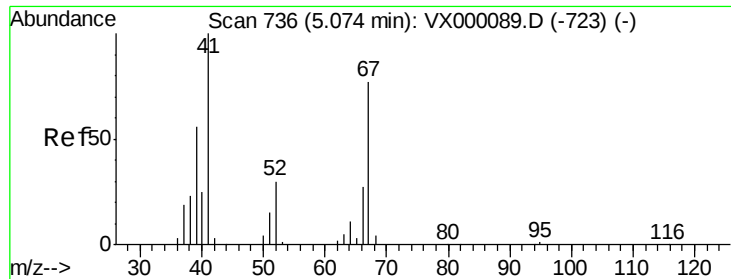


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

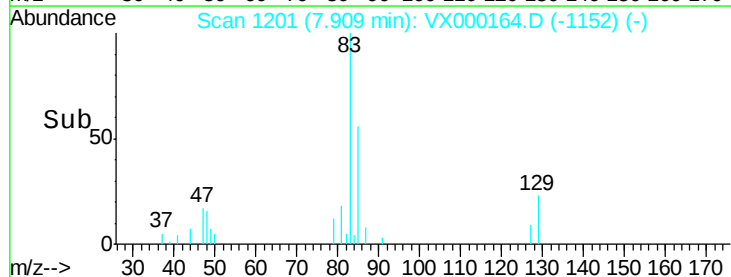
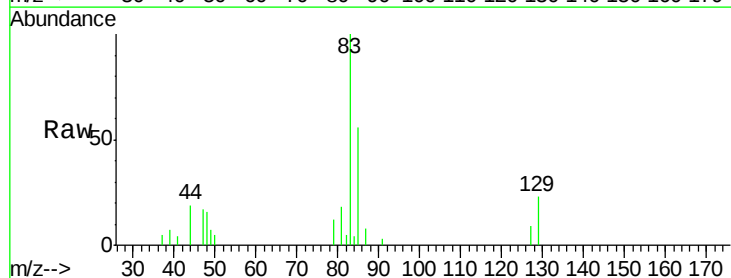
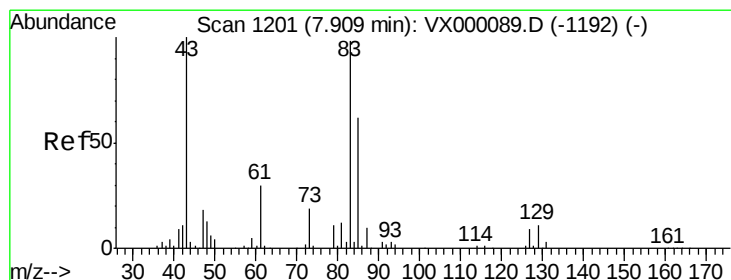
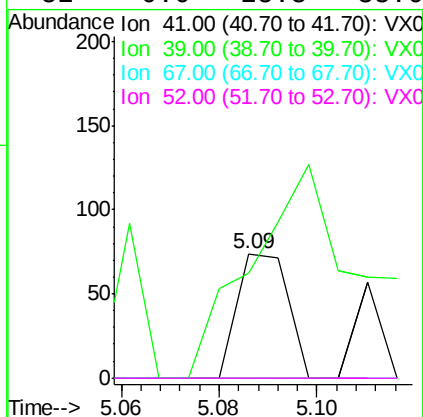




#41
Methacrylonitrile
Concen: Below Cal
RT: 5.09 min Scan# 738
Delta R.T. 0.01 min
Lab File: VX000164.D
Acq: 28 Feb 2018 14:04

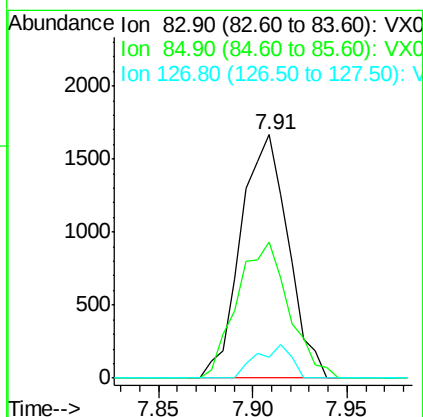
Instrument :
MSVOA_X
ClientSampleId :
DSN001

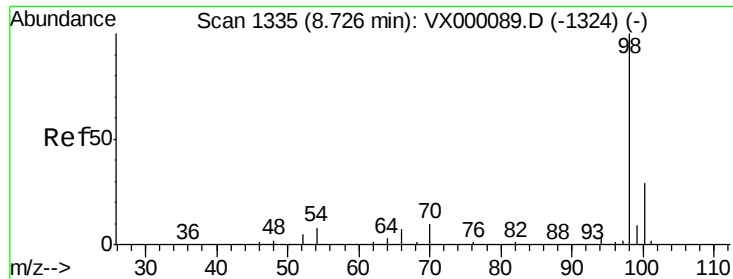
Tgt Ion:	41	Resp:	53
Ion	Ratio	Lower	Upper
41	100		
39	358.5	45.1	67.7#
67	0.0	61.0	91.4#
52	0.0	25.8	38.6#



#47
Bromodichloromethane
Concen: 1.58 ug/l
RT: 7.91 min Scan# 1201
Delta R.T. -0.00 min
Lab File: VX000164.D
Acq: 28 Feb 2018 14:04

Tgt Ion:	83	Resp:	2898
Ion	Ratio	Lower	Upper
83	100		
85	55.8	50.4	75.6
127	8.6	7.2	10.8

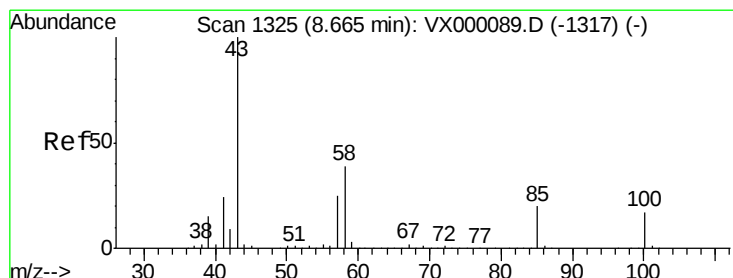
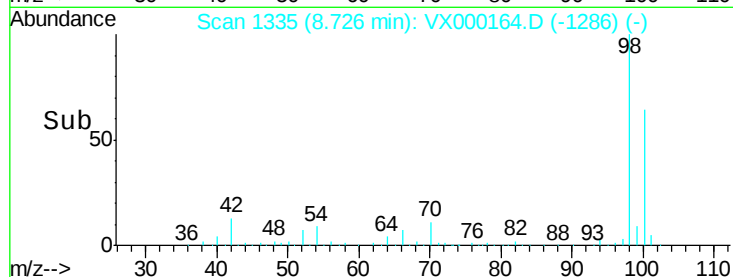
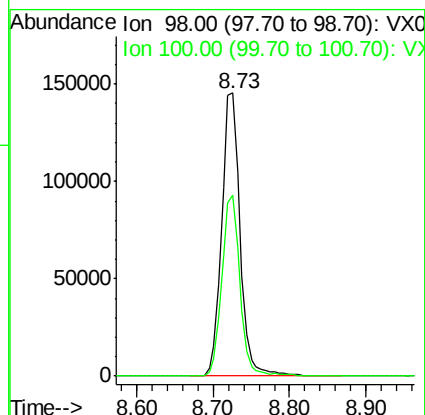
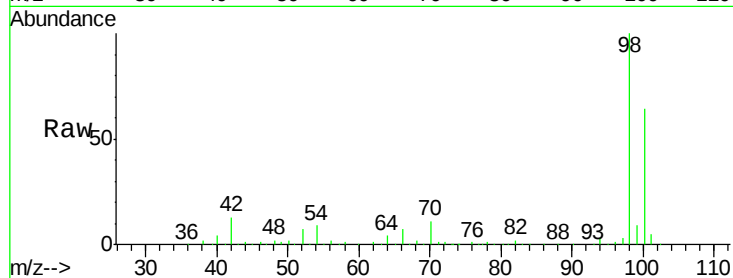




#50
Toluene-d8
Concen: 48.08 ug/l
RT: 8.73 min Scan# 1335
Delta R.T. -0.00 min
Lab File: VX000164.D
Acq: 28 Feb 2018 14:04

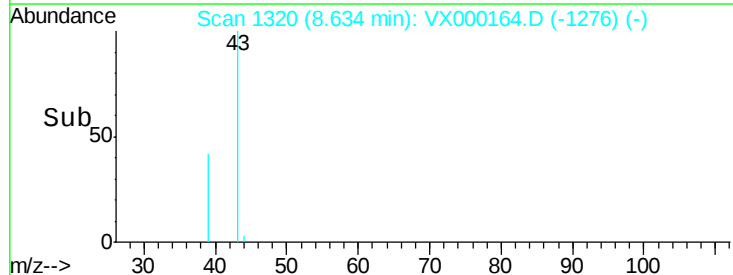
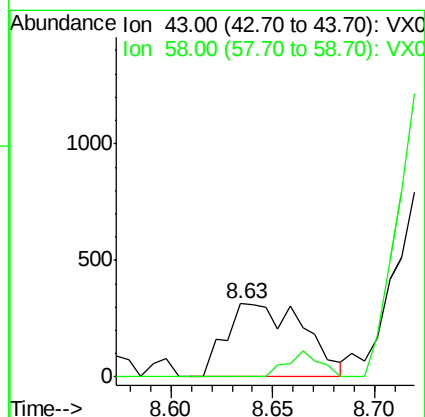
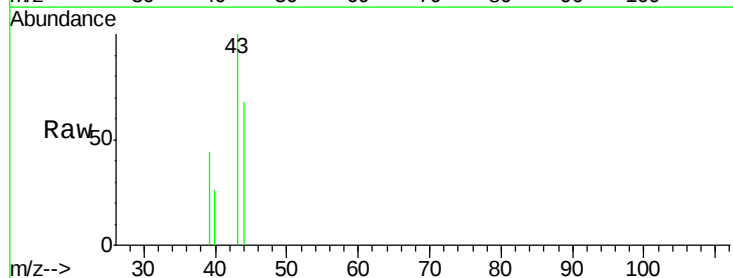
Instrument :
MSVOA_X
ClientSampleId :
DSN001

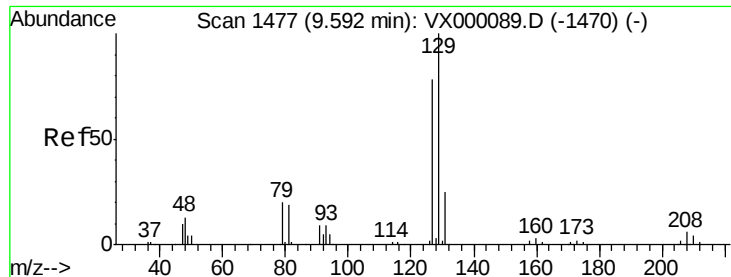
Tgt Ion: 98 Resp: 242771
Ion Ratio Lower Upper
98 100
100 62.9 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.32 ug/l
RT: 8.63 min Scan# 1320
Delta R.T. -0.03 min
Lab File: VX000164.D
Acq: 28 Feb 2018 14:04

Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
58 0.0 31.6 47.4#





#60

Dibromochloromethane

Concen: 0.36 ug/l

RT: 9.59 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VX000164.D

Acq: 28 Feb 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

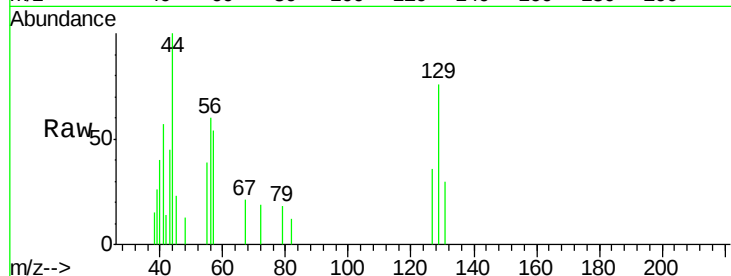
DSN001

Tgt Ion:129 Resp: 580

Ion Ratio Lower Upper

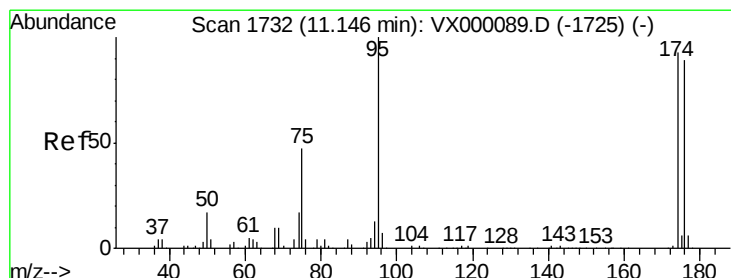
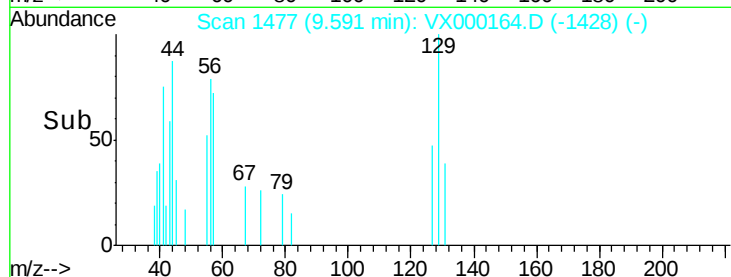
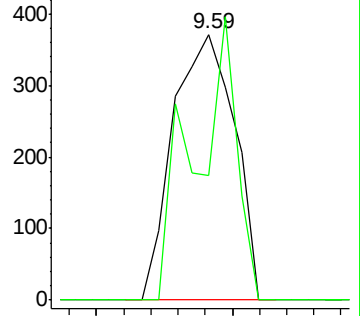
129 100

127 73.8 37.6 112.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#62

4-Bromofluorobenzene

Concen: 43.39 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.00 min

Lab File: VX000164.D

Acq: 28 Feb 2018 14:04

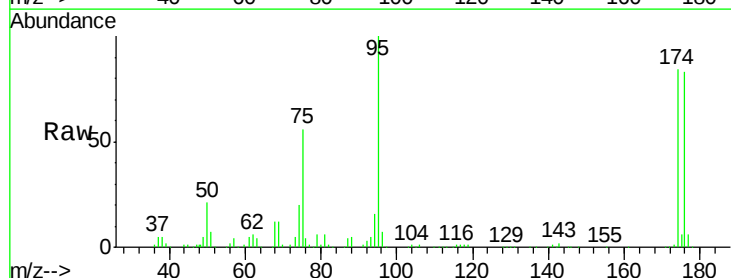
Tgt Ion: 95 Resp: 85911

Ion Ratio Lower Upper

95 100

174 85.2 0.0 187.8

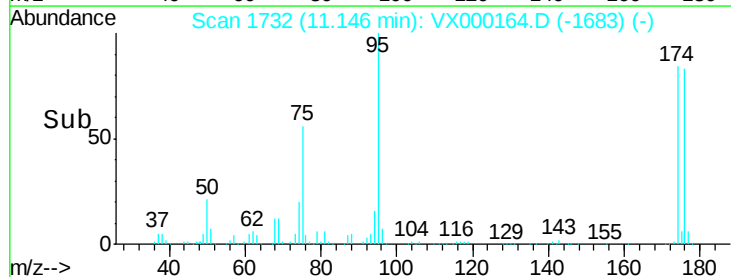
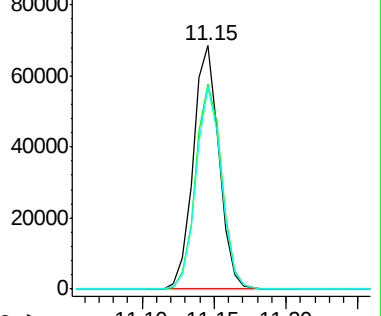
176 81.6 0.0 181.2

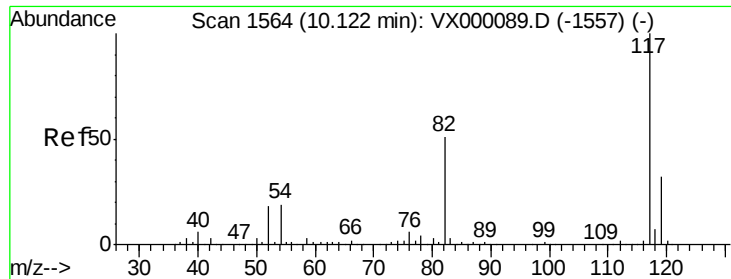


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

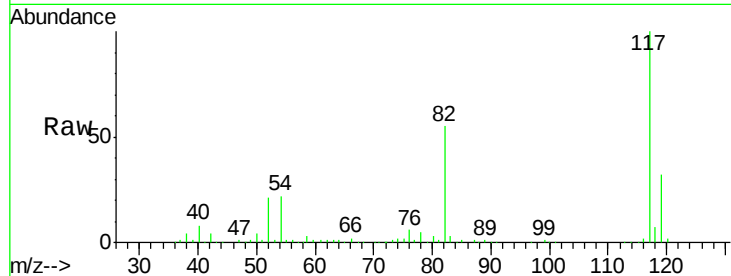




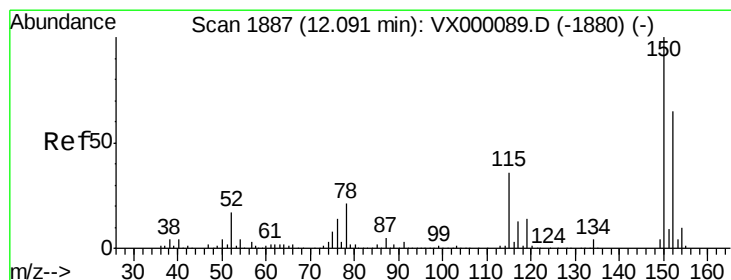
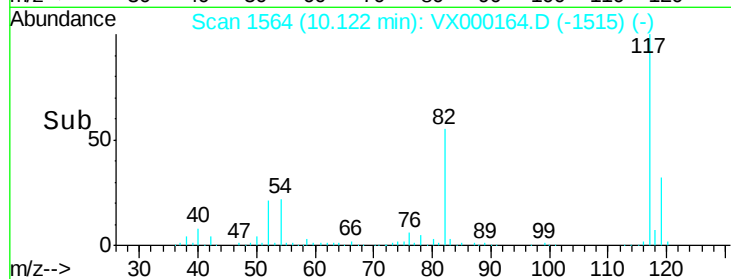
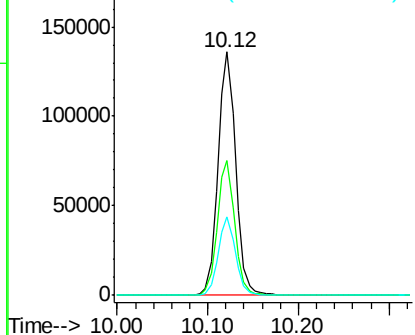
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. -0.00 min
Lab File: VX000164.D
Acq: 28 Feb 2018 14:04

Instrument :
MSVOA_X
ClientSampleId :
DSN001

Tgt Ion:117 Resp: 185769
Ion Ratio Lower Upper
117 100
82 55.3 41.0 61.6
119 32.4 25.5 38.3

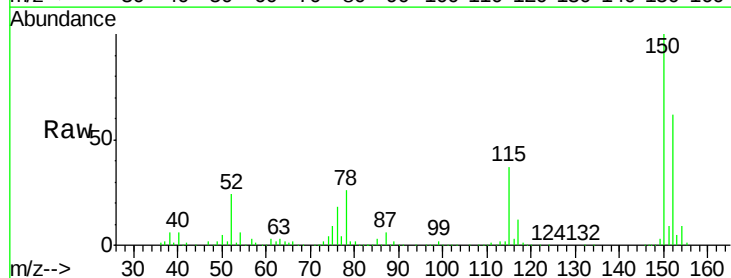


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

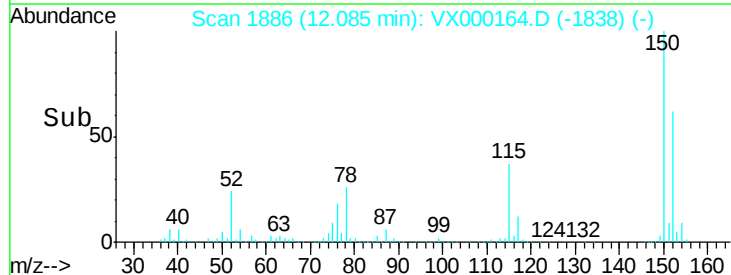
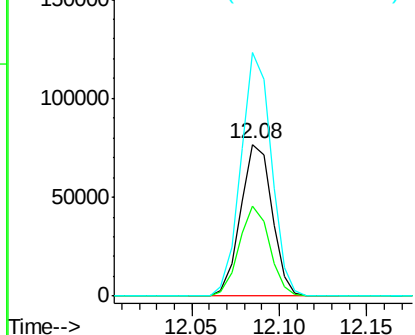


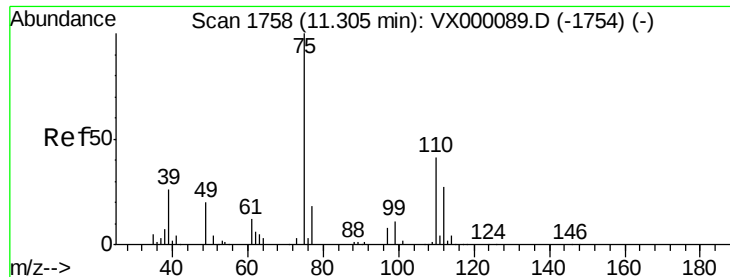
#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.01 min
Lab File: VX000164.D
Acq: 28 Feb 2018 14:04

Tgt Ion:152 Resp: 96354
Ion Ratio Lower Upper
152 100
115 57.2 39.1 117.2
150 155.3 0.0 348.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 24.87 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX000164.D

Acq: 28 Feb 2018 14:04

Instrument :

MSVOA_X

ClientSampleId :

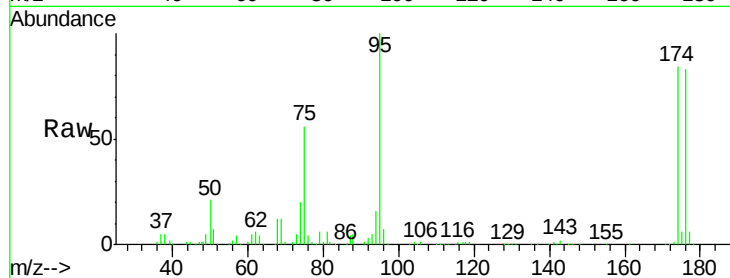
DSN001

Tgt Ion: 75 Resp: 49632

Ion Ratio Lower Upper

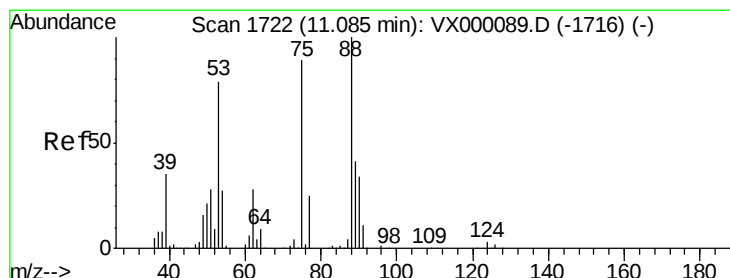
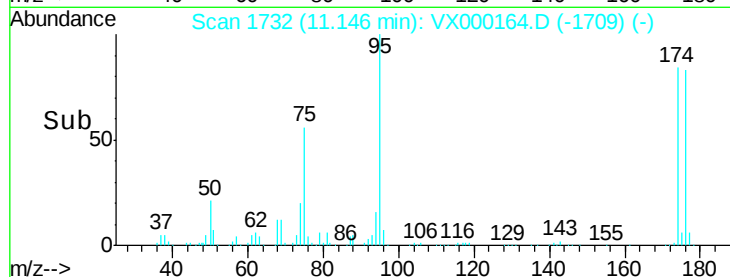
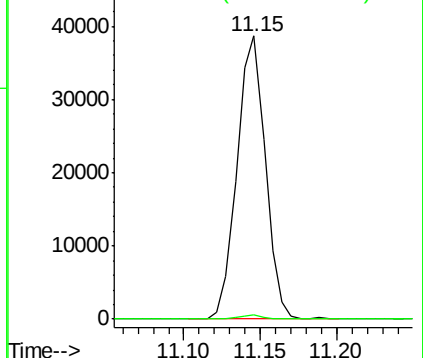
75 100

77 1.1 22.8 68.3#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0



#81

trans-1,4-Dichloro-2-butene

Concen: 70.82 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. 0.06 min

Lab File: VX000164.D

Acq: 28 Feb 2018 14:04

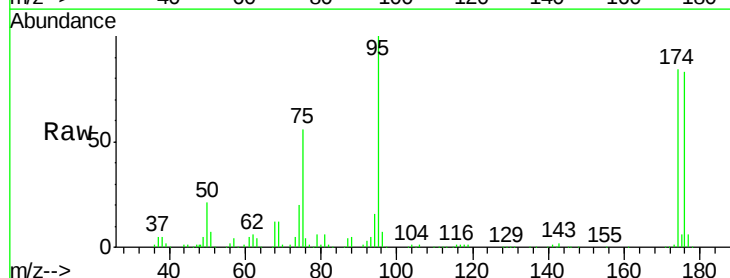
Tgt Ion: 75 Resp: 49632

Ion Ratio Lower Upper

75 100

53 0.0 72.3 108.5#

89 0.0 40.6 60.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

