

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100418\
 Data File : VX005028.D
 Acq On : 04 Oct 2018 19:35
 Operator : JC/MD
 Sample : J5243-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 64 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 DSN001

Quant Time: Oct 05 03:23:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092618W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 03 04:00:03 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	230582	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	373772	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	362801	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	201070	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	174095	52.85	ug/l	0.00
Spiked Amount			Recovery	=	105.70%	
35) Dibromofluoromethane	5.50	113	145076	45.80	ug/l	0.00
Spiked Amount			Recovery	=	91.60%	
50) Toluene-d8	8.72	98	535378	50.84	ug/l	0.00
Spiked Amount			Recovery	=	101.68%	
62) 4-Bromofluorobenzene	11.14	95	193696	51.05	ug/l	0.00
Spiked Amount			Recovery	=	102.10%	

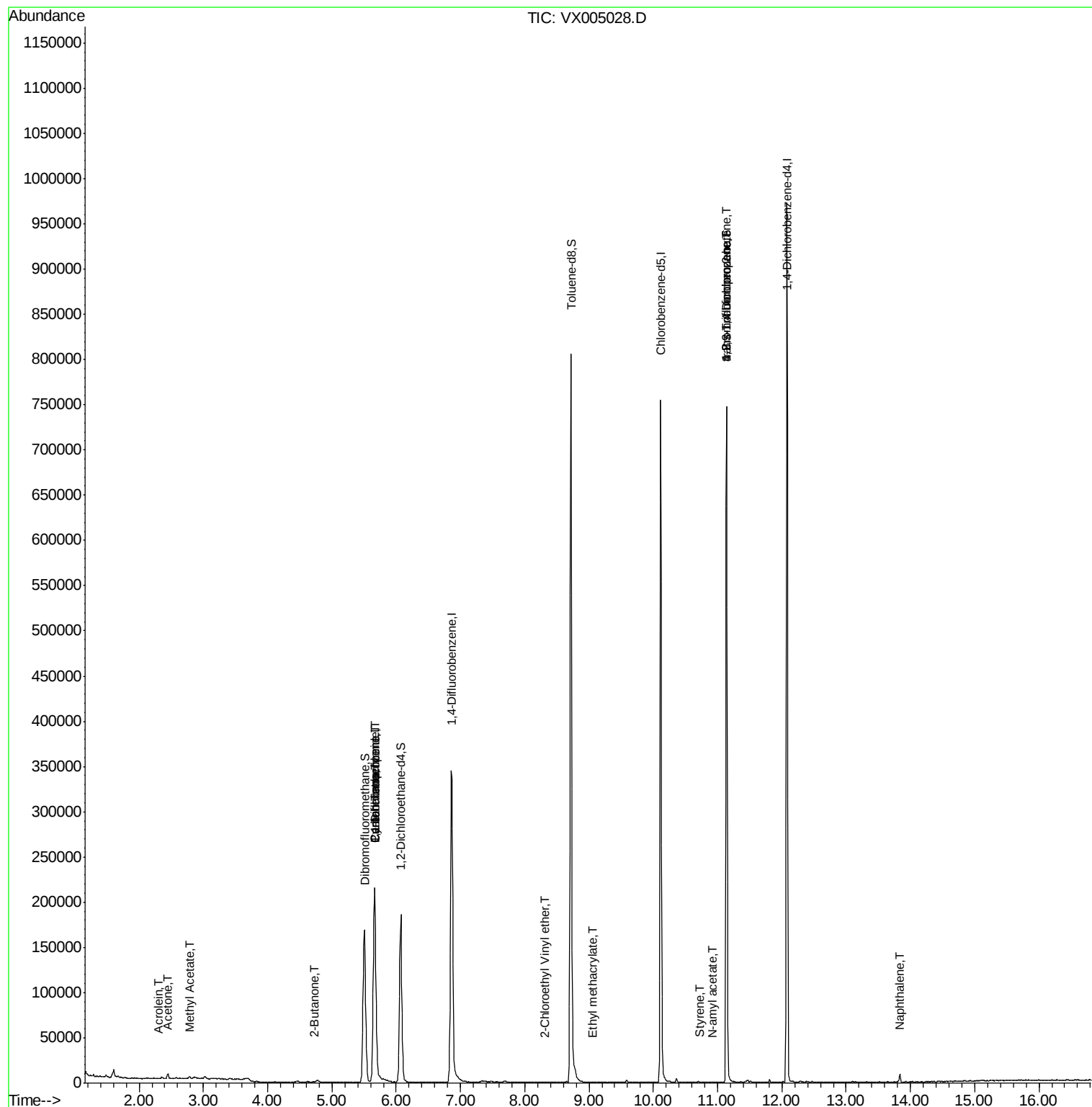
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.71	64	158	Below Cal	#	45
13) Acrolein	2.29	56	736	1.123	ug/l #	72
16) Acetone	2.45	43	5676	2.952	ug/l	94
18) Methyl Acetate	2.79	43	1823	0.374	ug/l	93
20) Methylene Chloride	2.85	84	621	Below Cal	#	93
25) 2-Butanone	4.72	43	1144	0.404	ug/l	91
31) Cyclohexane	5.66	56	4147	0.990	ug/l #	1
36) 1,1-Dichloropropene	5.66	75	15552	3.598	ug/l #	46
38) Carbon Tetrachloride	5.66	117	20303	4.469	ug/l #	19
56) Ethyl methacrylate	9.07	69	42	2.870	ug/l #	20
58) 2-Chloroethyl Vinyl ether	8.32	63	20	14.249	ug/l #	49
70) Styrene	10.72	104	55	2.146	ug/l #	1
74) N-amyl acetate	10.91	43	406	1.804	ug/l #	69
76) 1,2,3-Trichloropropane	11.14	75	94255	20.914	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	487	Below Cal		96
81) trans-1,4-Dichloro-2-buten	11.14	75	94255	56.762	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	1201	Below Cal		100
95) Naphthalene	13.83	128	5477	1.042	ug/l	97

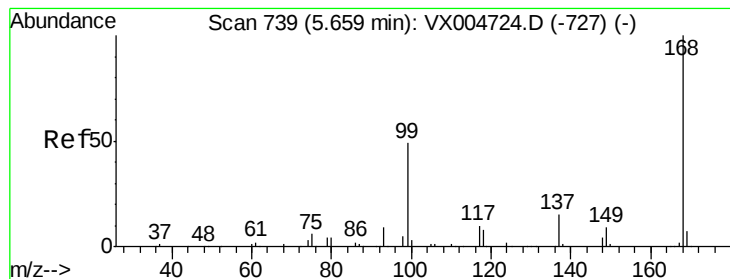
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 03 04:00:03 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX005028.D

Acq: 04 Oct 2018 19:35

Instrument :

MSVOA_X

ClientSampleId :

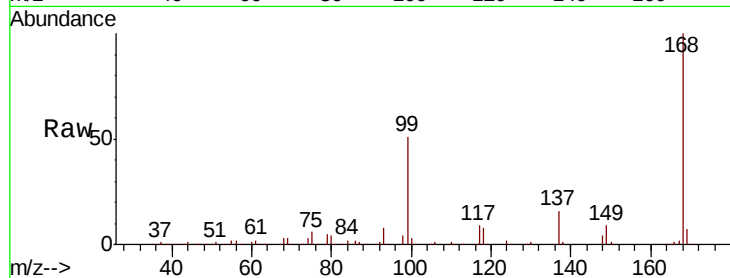
DSN001

Tot Ion:168 Resp: 230582

Ion Ratio Lower Upper

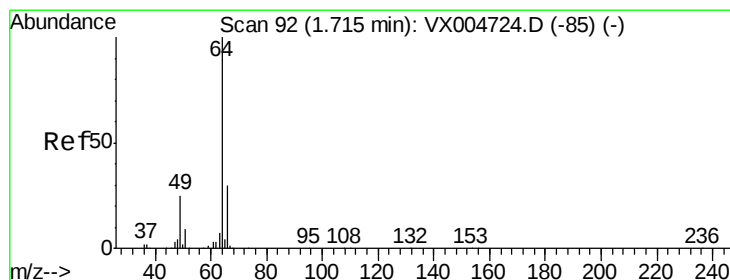
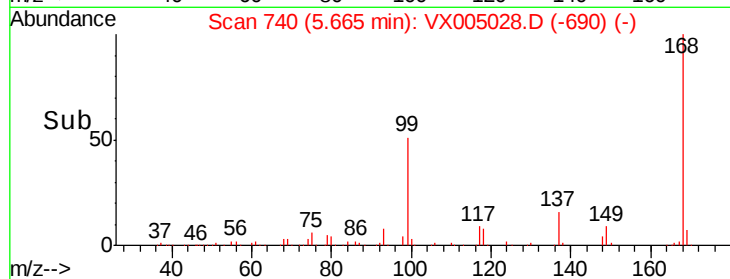
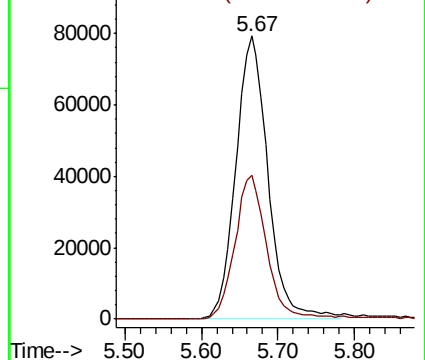
168 100

99 50.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 92

Delta R.T. 0.00 min

Lab File: VX005028.D

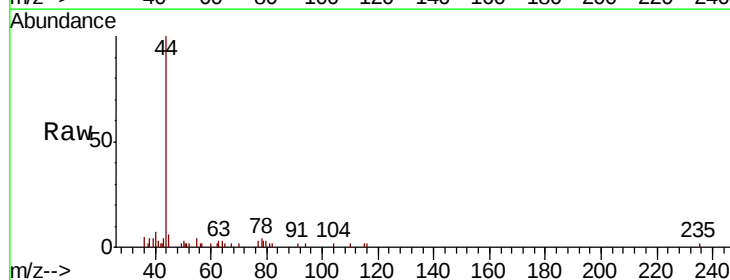
Acq: 04 Oct 2018 19:35

Tgt Ion: 64 Resp: 158

Ion Ratio Lower Upper

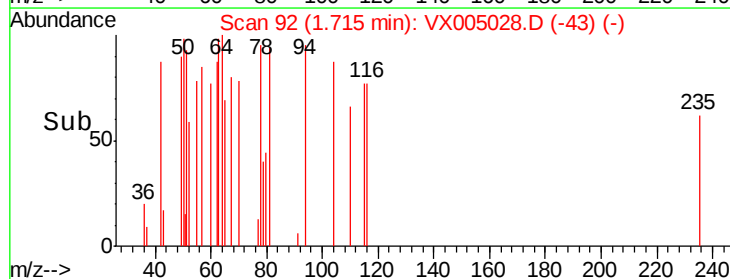
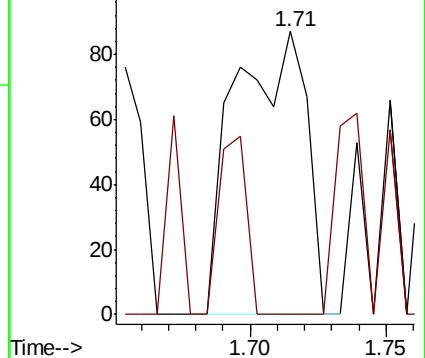
64 100

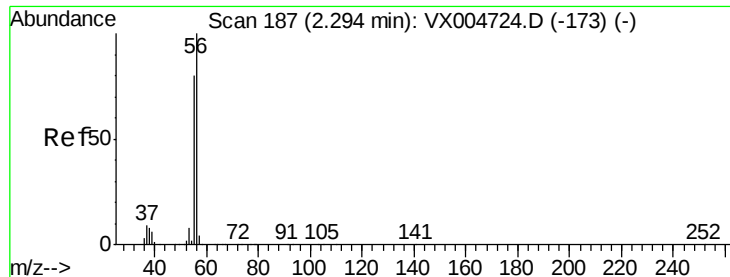
66 0.0 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

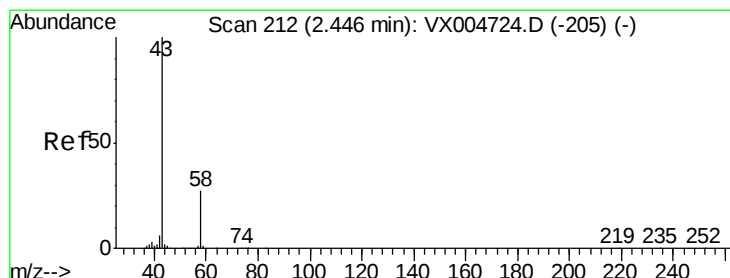
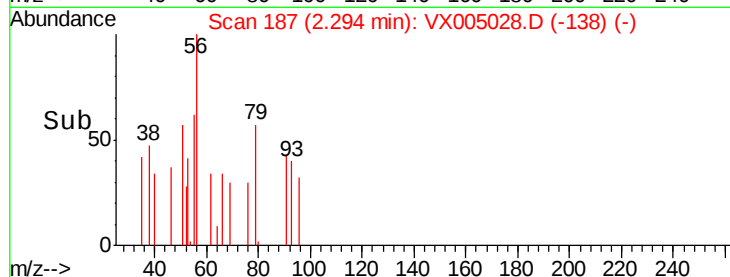
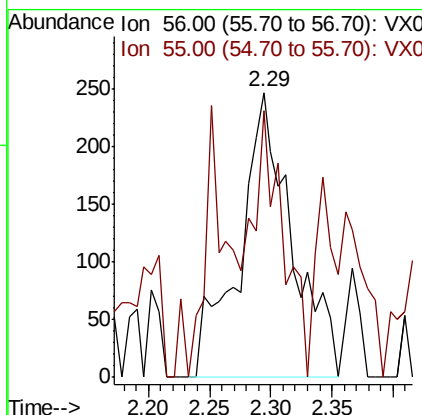
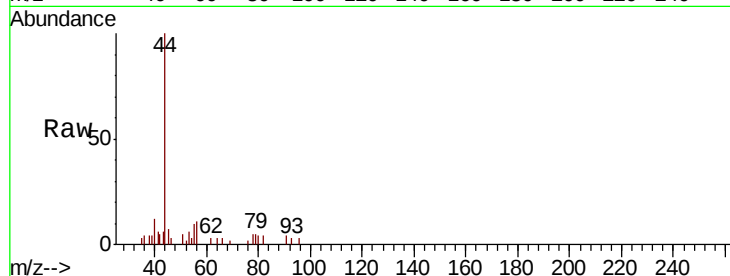




#13
Acrolein
Concen: 1.123 ug/l
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005028.D
Acq: 04 Oct 2018 19:35

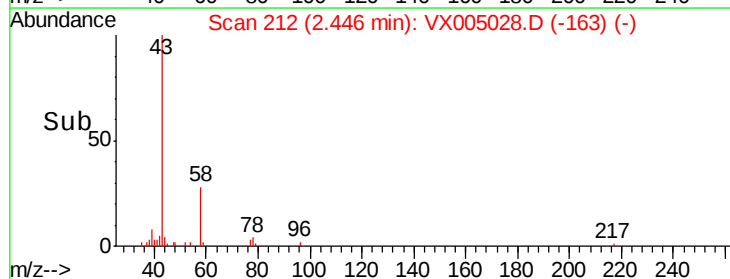
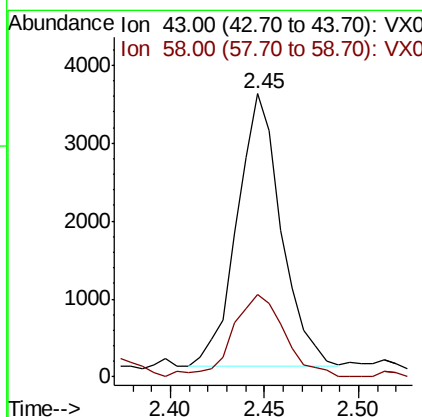
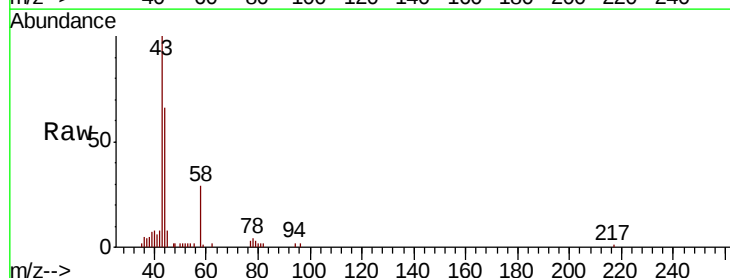
Instrument :
MSVOA_X
ClientSampleId :
DSN001

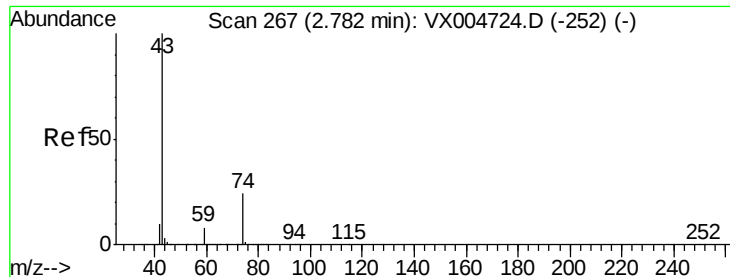
Tot Ion: 56 Resp: 736
Ion Ratio Lower Upper
56 100
55 54.3 63.4 95.2#



#16
Acetone
Concen: 2.952 ug/l
RT: 2.45 min Scan# 212
Delta R.T. 0.00 min
Lab File: VX005028.D
Acq: 04 Oct 2018 19:35

Tgt Ion: 43 Resp: 5676
Ion Ratio Lower Upper
43 100
58 30.3 21.8 32.6

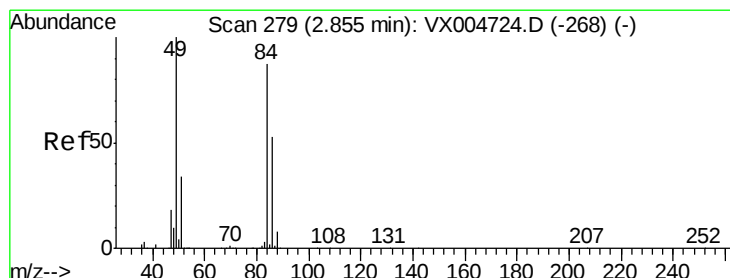
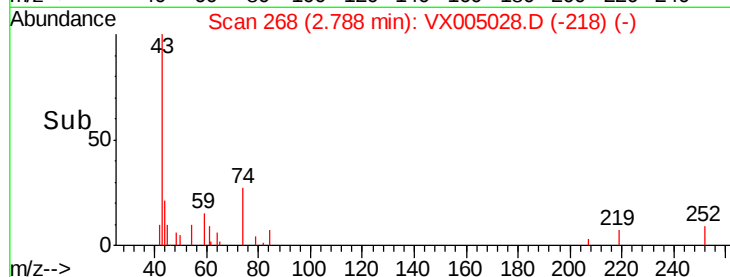
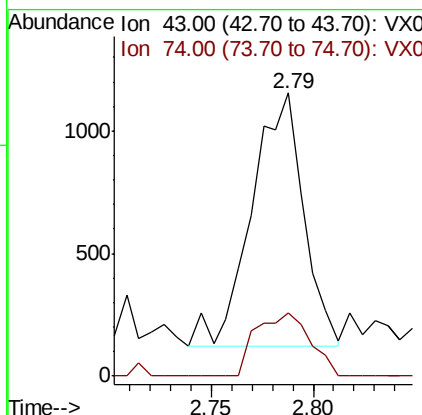
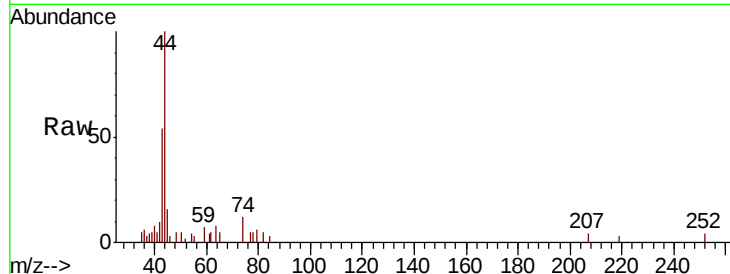




#18
Methyl Acetate
Concen: 0.374 ug/l
RT: 2.79 min Scan# 268
Delta R.T. 0.01 min
Lab File: VX005028.D
Acq: 04 Oct 2018 19:35

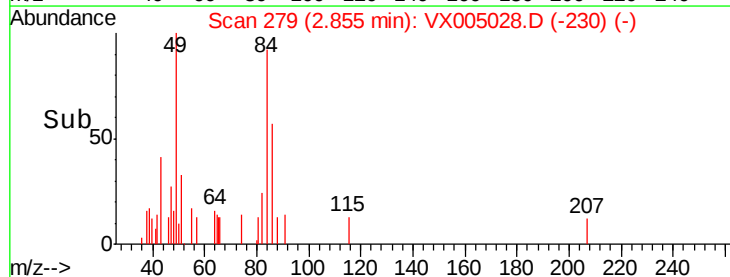
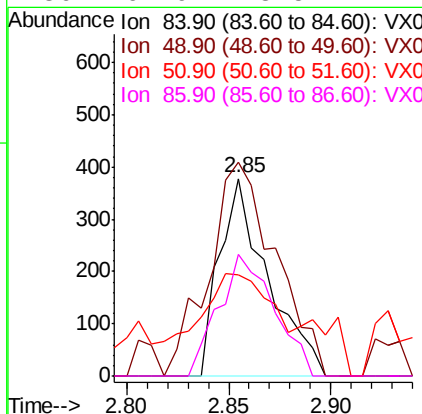
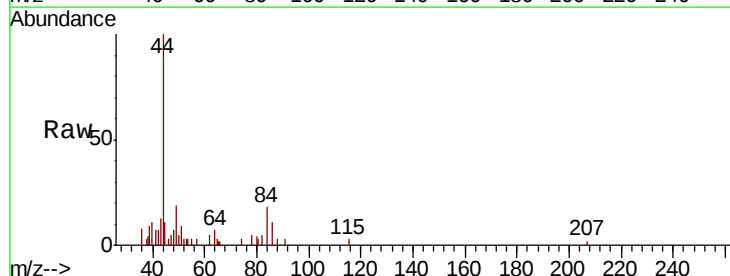
Instrument :
MSVOA_X
ClientSampleID :
DSN001

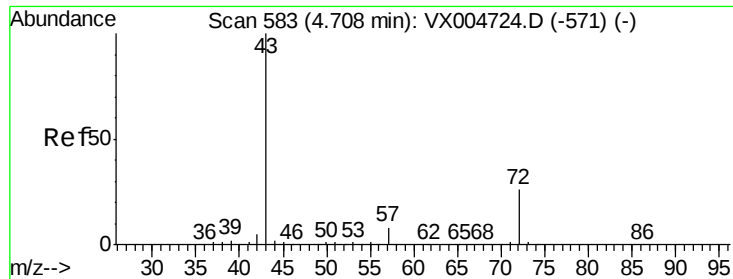
Tot Ion: 43 Resp: 1823
Ion Ratio Lower Upper
43 100
74 25.8 17.8 26.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005028.D
Acq: 04 Oct 2018 19:35

Tgt Ion: 84 Resp: 621
Ion Ratio Lower Upper
84 100
49 108.2 92.3 138.5
51 28.8 31.8 47.6#
86 61.9 48.5 72.7

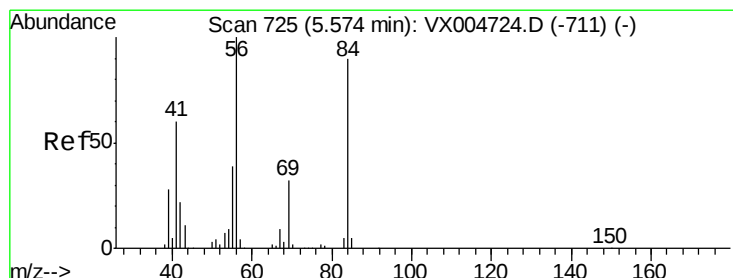
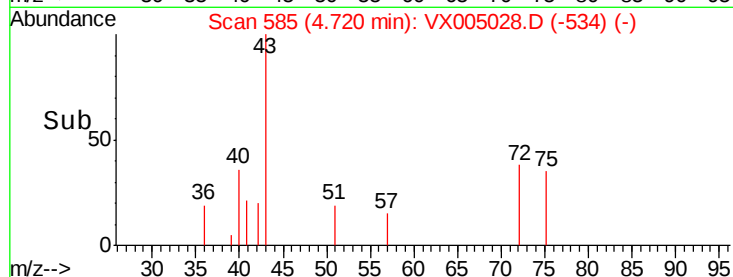
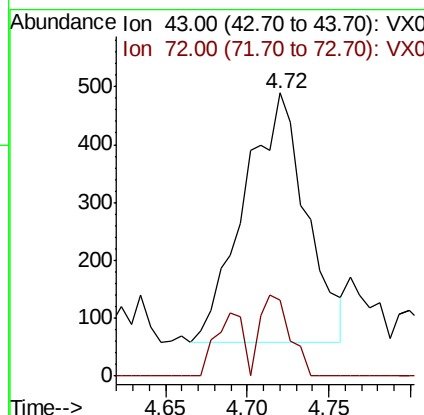
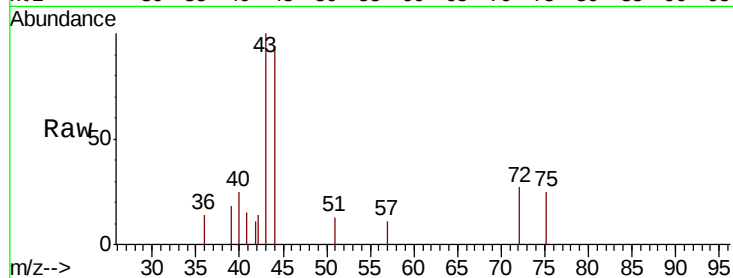




#25
2-Butanone
Concen: 0.404 ug/l
RT: 4.72 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX005028.D
Acq: 04 Oct 2018 19:35

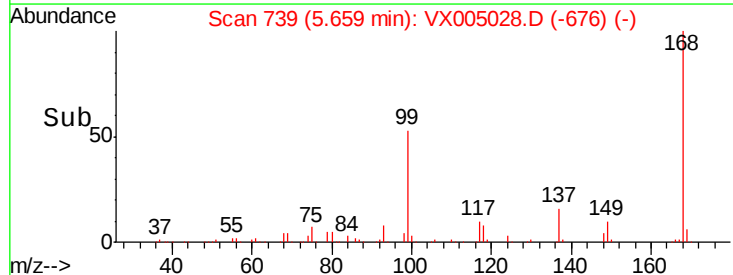
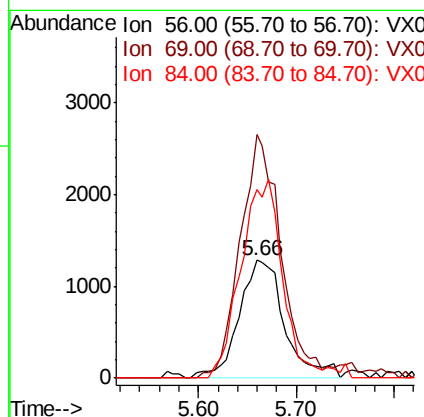
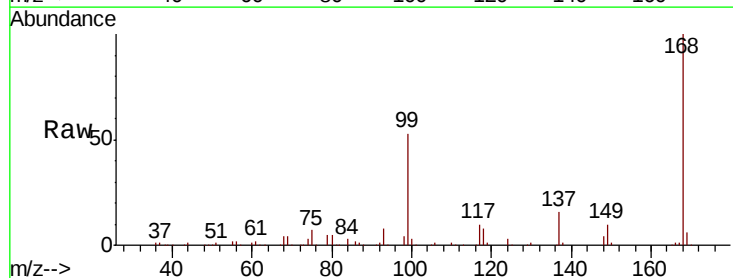
Instrument :
MSVOA_X
ClientSampled :
DSN001

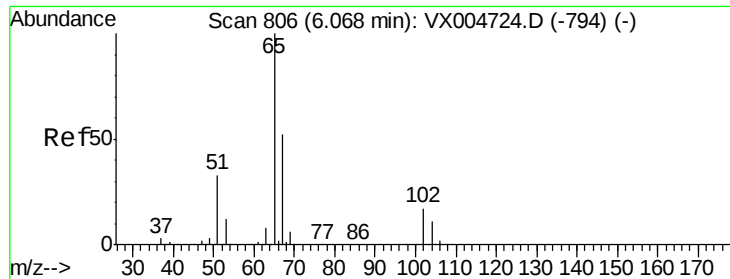
Tot Ion: 43 Resp: 1144
Ion Ratio Lower Upper
43 100
72 30.6 20.8 31.2



#31
Cyclohexane
Concen: 0.990 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005028.D
Acq: 04 Oct 2018 19:35

Tgt Ion: 56 Resp: 4147
Ion Ratio Lower Upper
56 100
69 206.5 25.9 38.9#
84 159.9 71.9 107.9#





#33

1,2-Dichloroethane-d4

Concen: 52.854 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005028.D

Acq: 04 Oct 2018 19:35

Instrument :

MSVOA_X

ClientSampleId :

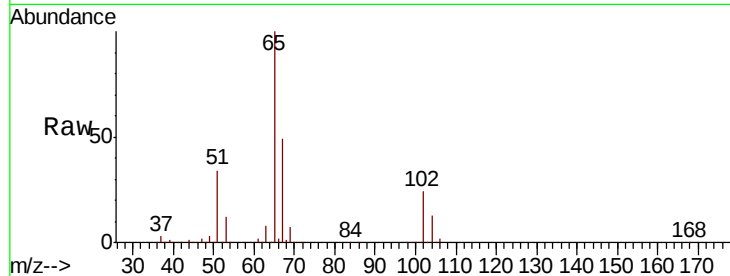
DSN001

Tot Ion: 65 Resp: 174095

Ion Ratio Lower Upper

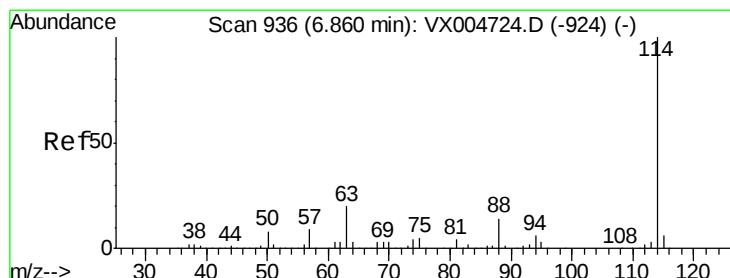
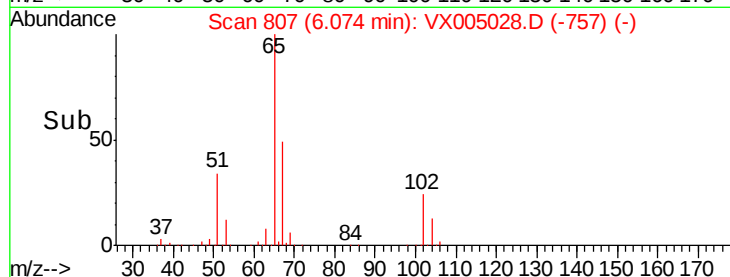
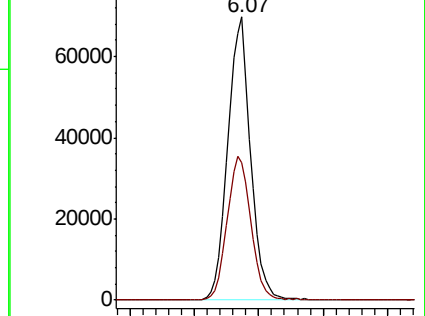
65 100

67 53.0 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. 0.00 min

Lab File: VX005028.D

Acq: 04 Oct 2018 19:35

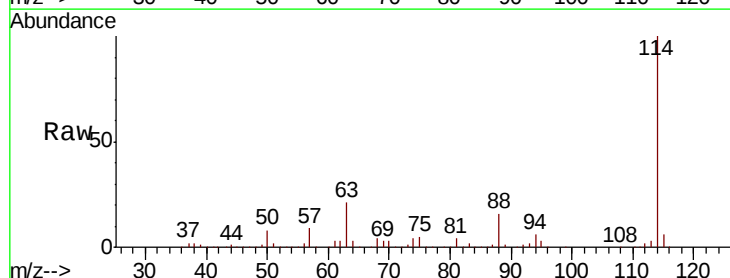
Tgt Ion: 114 Resp: 373772

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.8

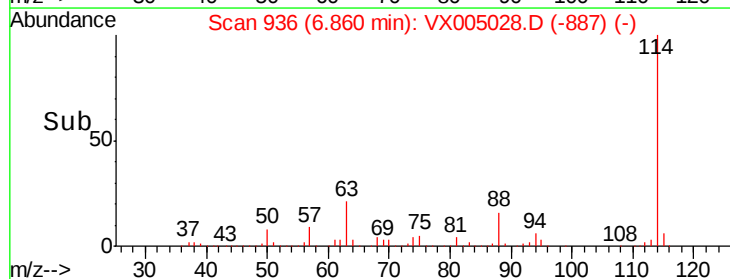
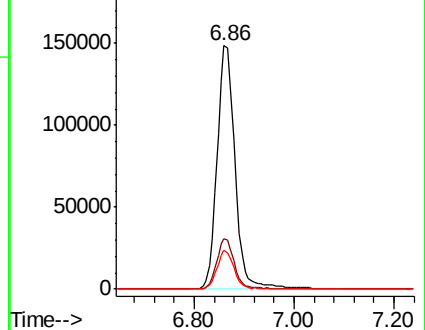
88 15.8 0.0 27.0

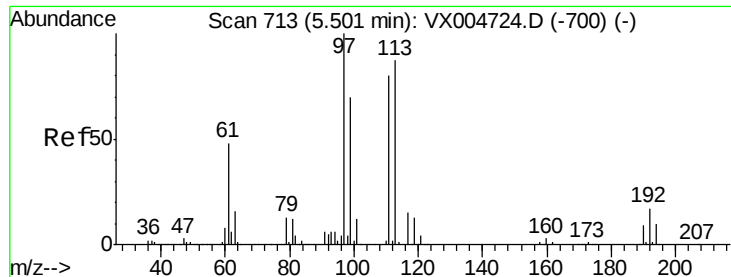


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 45.798 ug/l

RT: 5.50 min Scan# 713

Delta R.T. 0.00 min

Lab File: VX005028.D

Acq: 04 Oct 2018 19:35

Instrument :

MSVOA_X

ClientSampleId :

DSN001

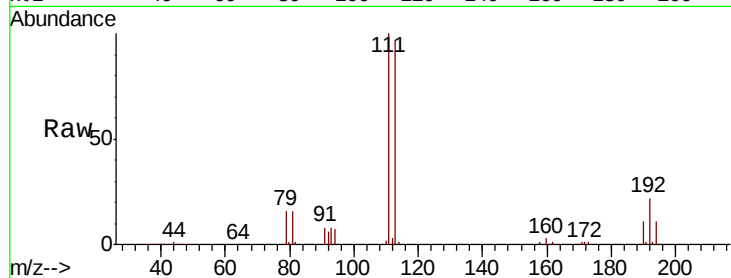
Tot Ion:113 Resp: 145076

Ion Ratio Lower Upper

113 100

111 101.9 77.0 115.4

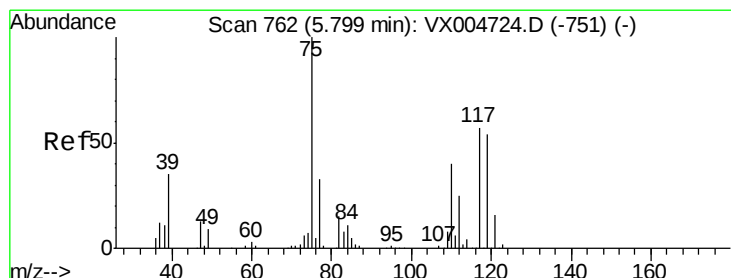
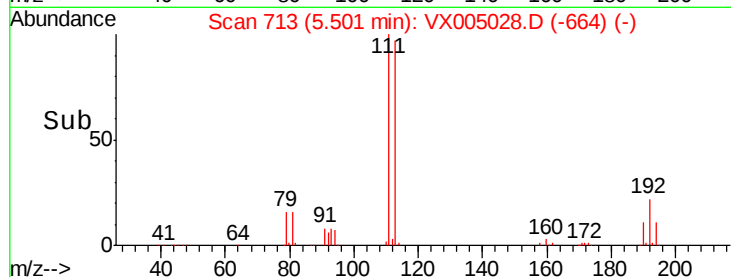
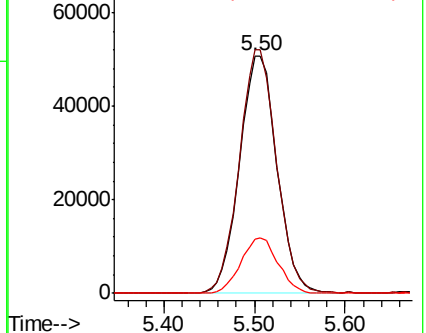
192 23.3 17.0 25.6



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: 3.598 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.14 min

Lab File: VX005028.D

Acq: 04 Oct 2018 19:35

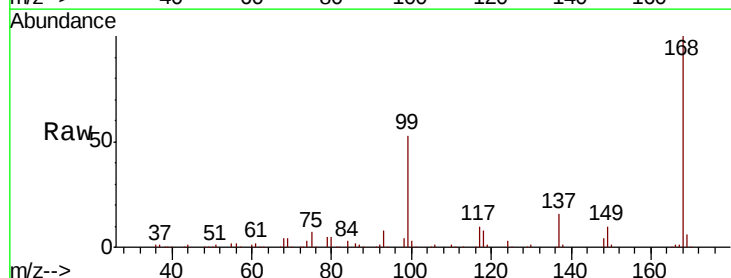
Tgt Ion: 75 Resp: 15552

Ion Ratio Lower Upper

75 100

110 9.3 20.0 59.9#

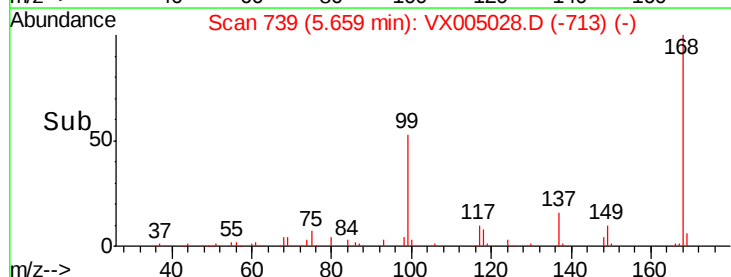
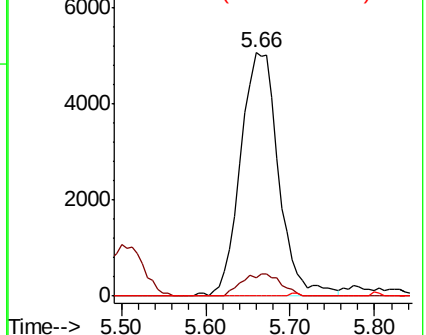
77 0.0 27.1 40.7#

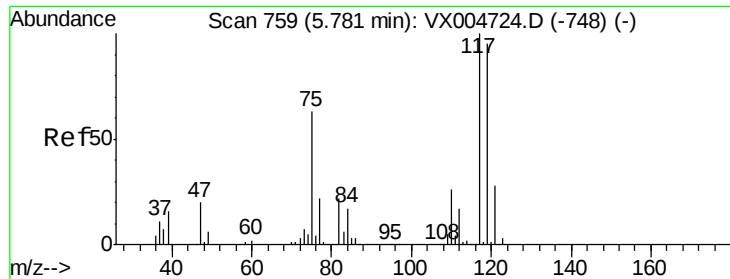


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0

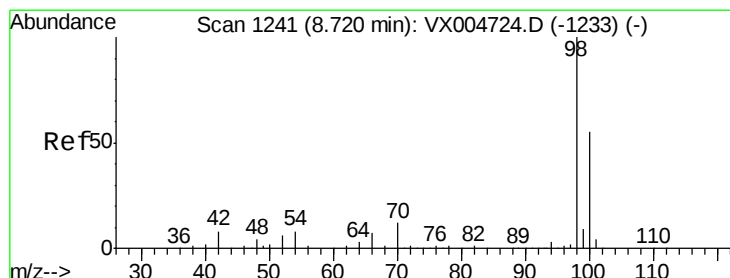
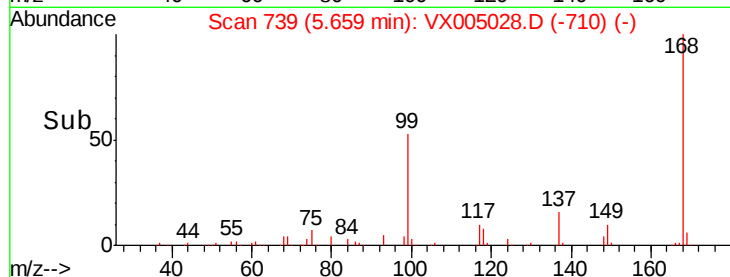
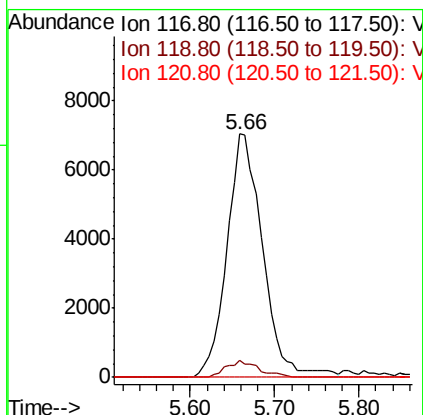
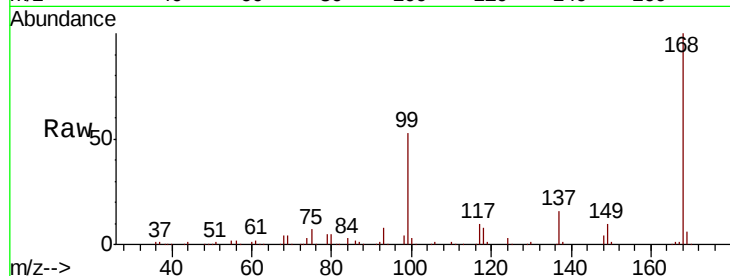




#38
Carbon Tetrachloride
Concen: 4.469 ug/l
RT: 5.66 min Scan# 739
Delta R.T. -0.12 min
Lab File: VX005028.D
Acq: 04 Oct 2018 19:35

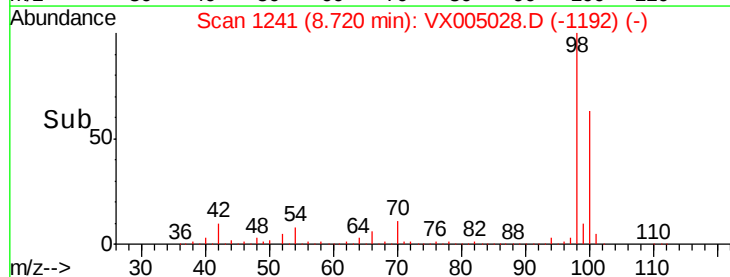
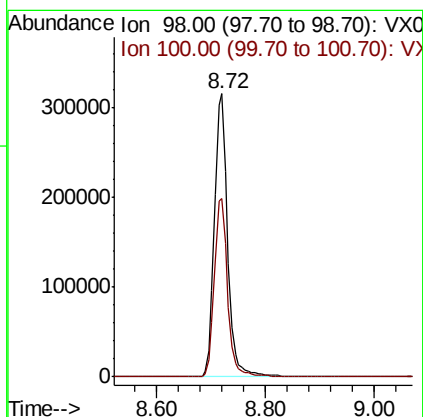
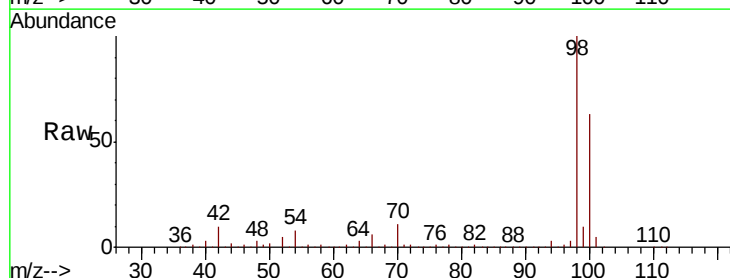
Instrument :
MSVOA_X
ClientSampleId :
DSN001

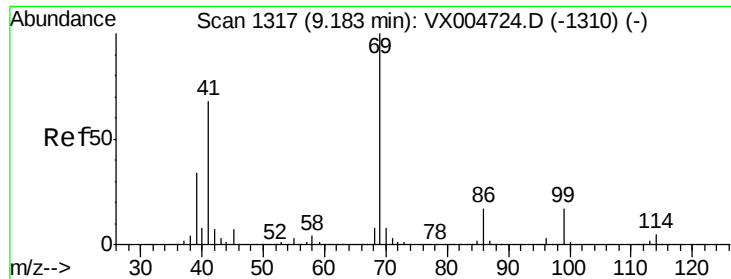
Tot Ion:117 Resp: 20303
Ion Ratio Lower Upper
117 100
119 7.2 75.2 112.8#
121 0.0 22.5 33.7#



#50
Toluene-d8
Concen: 50.837 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. 0.00 min
Lab File: VX005028.D
Acq: 04 Oct 2018 19:35

Tgt Ion: 98 Resp: 535378
Ion Ratio Lower Upper
98 100
100 63.6 51.9 77.9





#56

Ethyl methacrylate

Concen: 2.870 ug/l

RT: 9.07 min Scan# 1298

Delta R.T. -0.12 min

Lab File: VX005028.D

Acq: 04 Oct 2018 19:35

Instrument :

MSVOA_X

ClientSampled :

DSN001

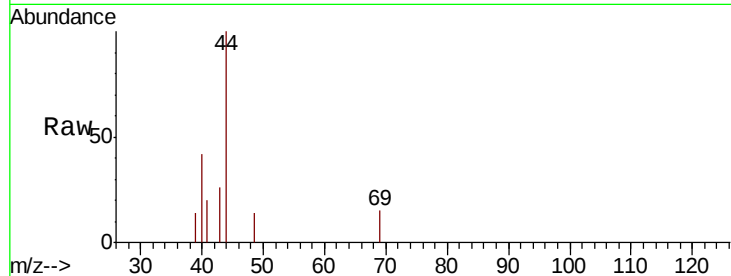
Tot Ion: 69 Resp: 42

Ion Ratio Lower Upper

69 100

41 145.2 56.9 85.3#

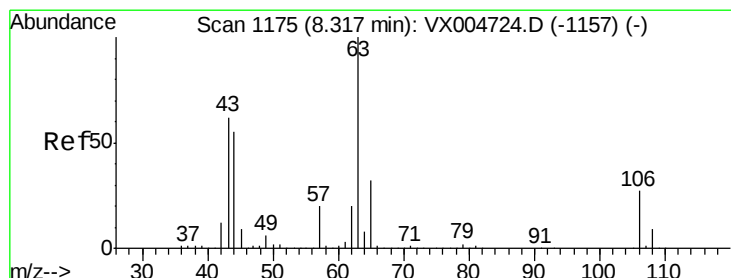
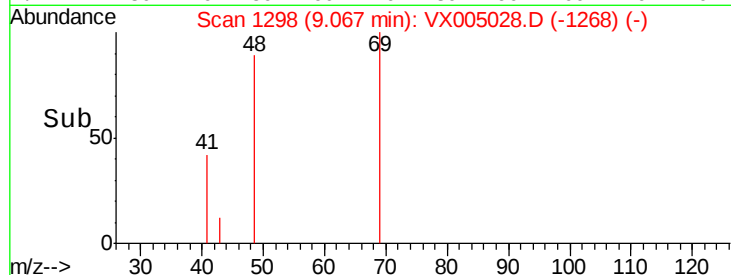
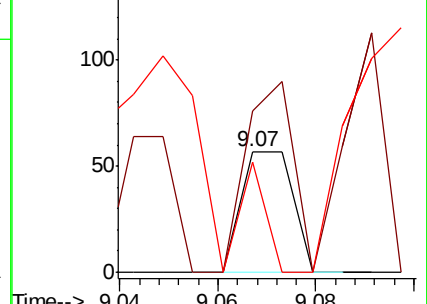
39 0.0 28.4 42.6#



Abundance Ion 69.00 (68.70 to 69.70): VX0

Ion 41.00 (40.70 to 41.70): VX0

Ion 39.00 (38.70 to 39.70): VX0



#58

2-Chloroethyl Vinyl ether

Concen: 14.249 ug/l

RT: 8.32 min Scan# 1176

Delta R.T. 0.01 min

Lab File: VX005028.D

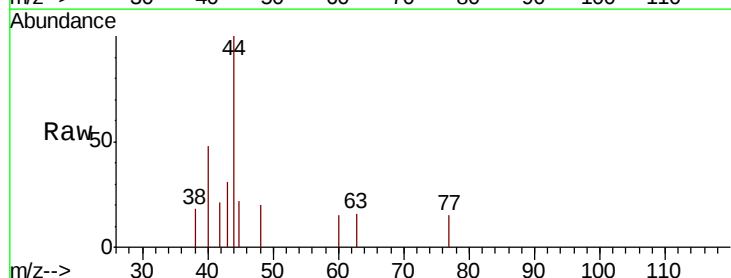
Acq: 04 Oct 2018 19:35

Tgt Ion: 63 Resp: 20

Ion Ratio Lower Upper

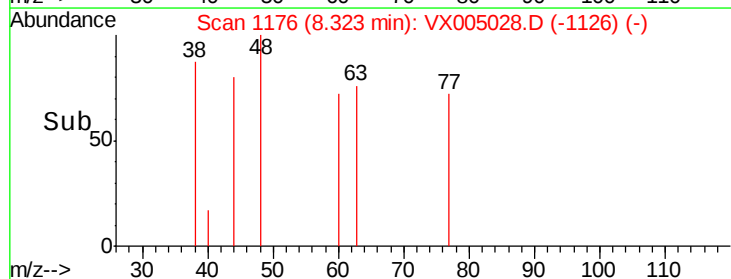
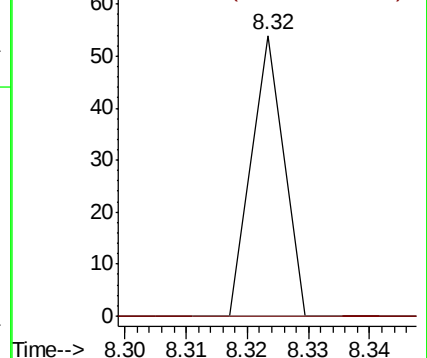
63 100

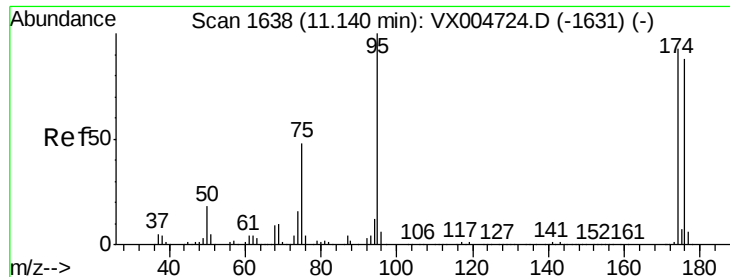
106 0.0 21.0 31.6#



Abundance Ion 62.90 (62.60 to 63.60): VX0

Ion 105.90 (105.60 to 106.60): V

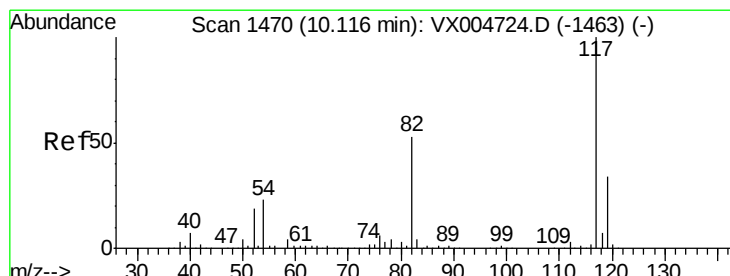
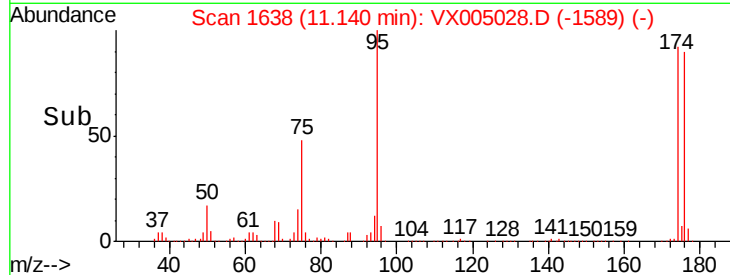
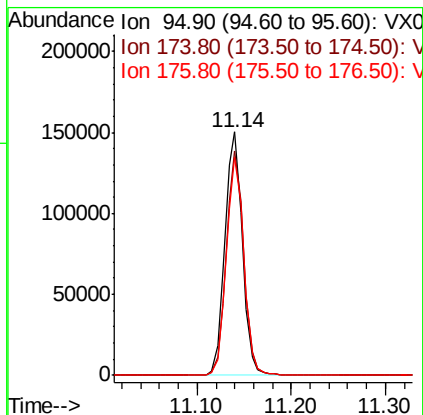
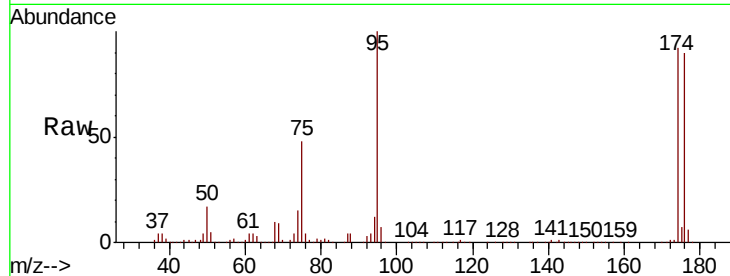




#62
4-Bromofluorobenzene
Concen: 51.054 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. 0.00 min
Lab File: VX005028.D
Acq: 04 Oct 2018 19:35

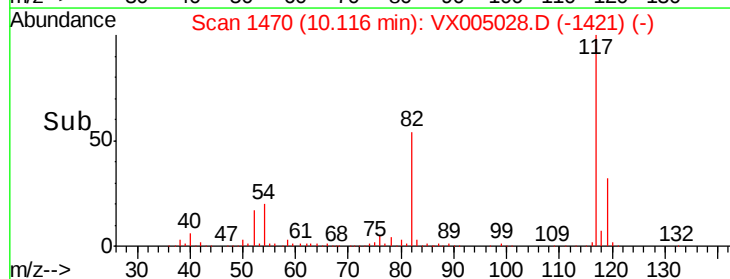
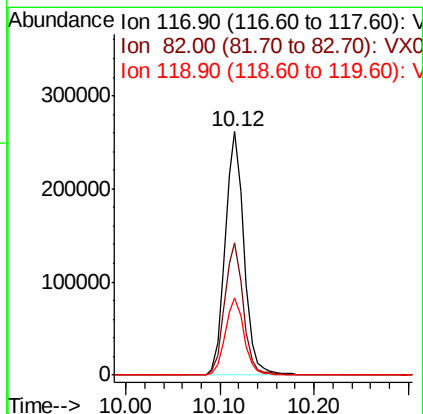
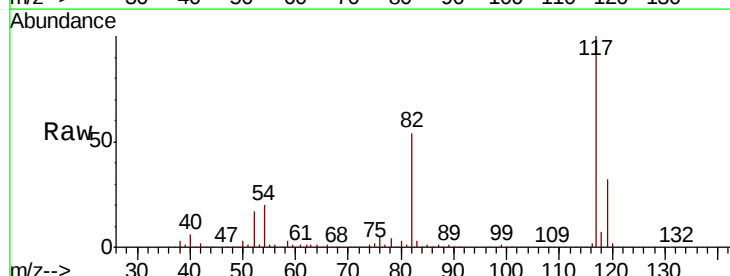
Instrument :
MSVOA_X
ClientSampleId :
DSN001

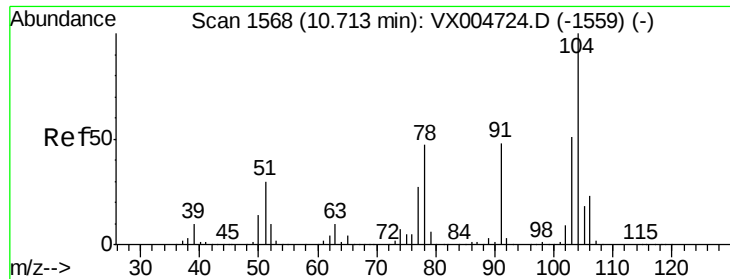
Tot Ion: 95 Resp: 193696
Ion Ratio Lower Upper
95 100
174 92.0 0.0 185.0
176 89.5 0.0 180.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005028.D
Acq: 04 Oct 2018 19:35

Tgt Ion: 117 Resp: 362801
Ion Ratio Lower Upper
117 100
82 54.3 42.2 63.4
119 31.7 27.4 41.0

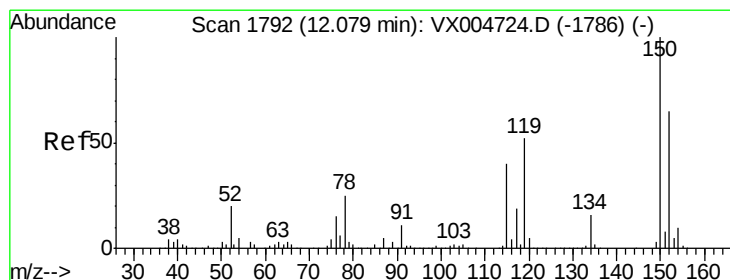
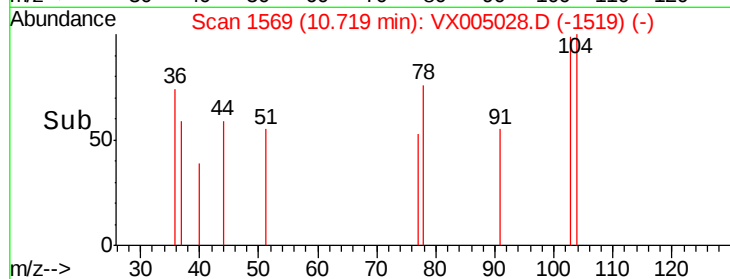
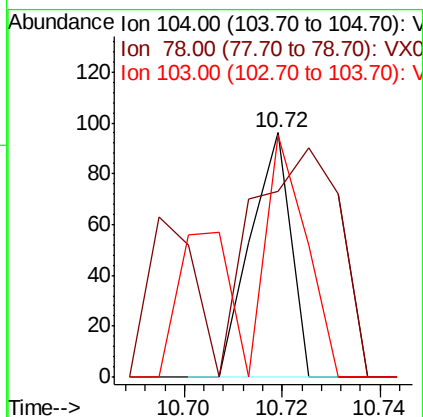
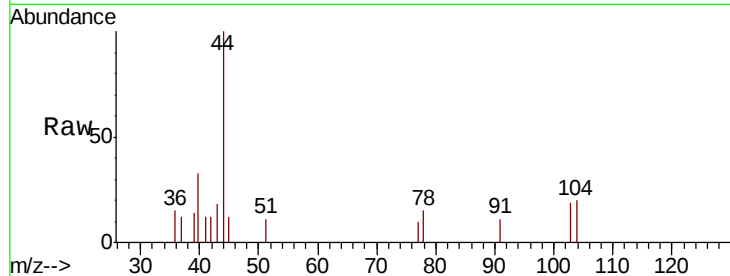




#70
Stvrene
Concen: 2.146 ug/l
RT: 10.72 min Scan# 1569
Delta R.T. 0.01 min
Lab File: VX005028.D
Acq: 04 Oct 2018 19:35

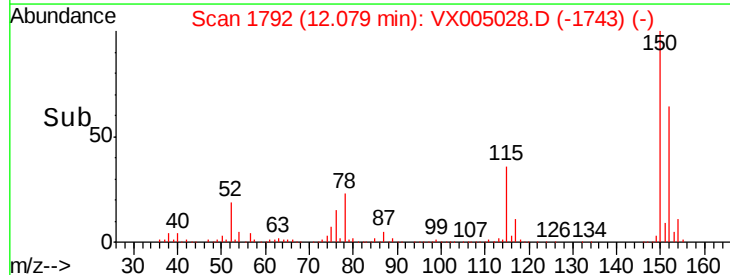
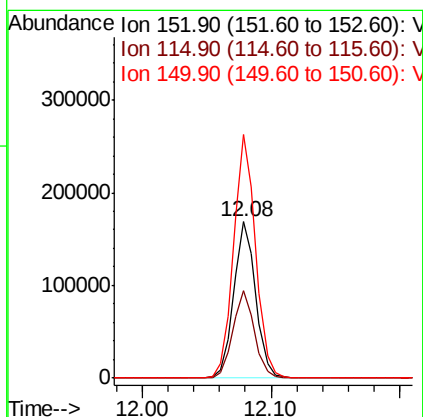
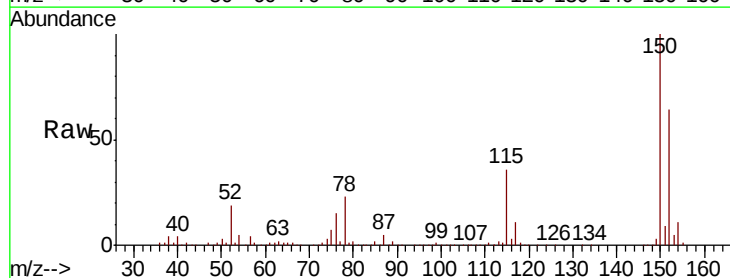
Instrument :
MSVOA_X
ClientSampleId :
DSN001

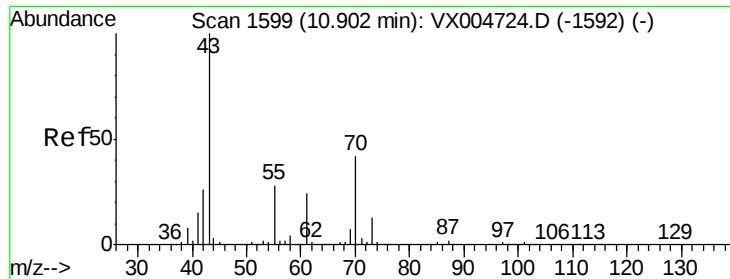
Tot Ion:104 Resp: 55
Ion Ratio Lower Upper
104 100
78 203.6 40.0 60.0#
103 98.2 44.3 66.5#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.00 min
Lab File: VX005028.D
Acq: 04 Oct 2018 19:35

Tgt Ion:152 Resp: 201070
Ion Ratio Lower Upper
152 100
115 55.0 40.2 120.6
150 155.6 0.0 351.0





#74

N-amvl acetate

Concen: 1.804 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX005028.D

Acq: 04 Oct 2018 19:35

Instrument :

MSVOA_X

ClientSampled :

DSN001

Tot Ion: 43 Resp: 406

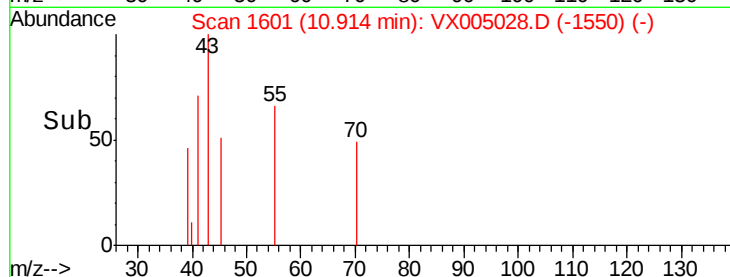
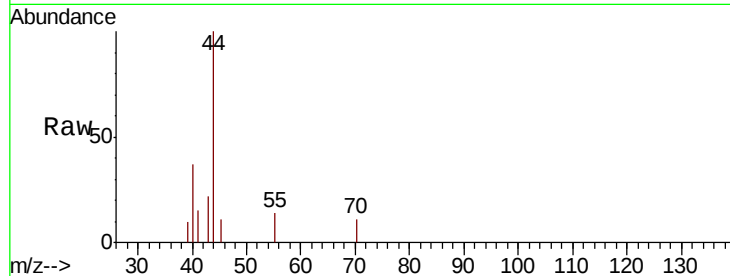
Ion Ratio Lower Upper

43 100

70 20.9 32.6 48.8#

55 34.7 21.6 32.4#

61 0.0 19.1 28.7#

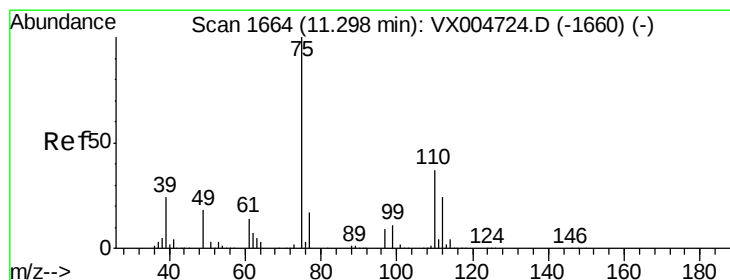
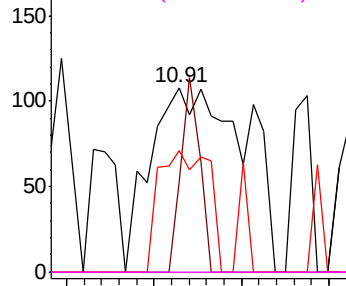


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 70.00 (69.70 to 70.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 61.00 (60.70 to 61.70): VX0



#76

1,2,3-Trichloropropane

Concen: 20.914 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005028.D

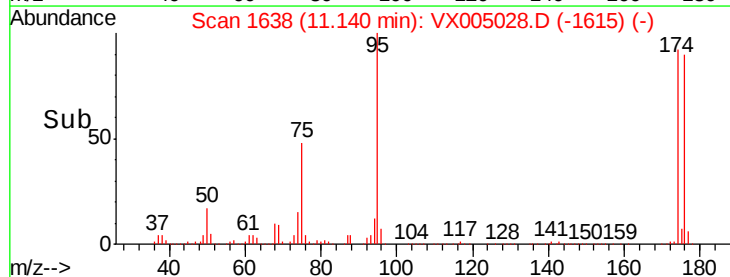
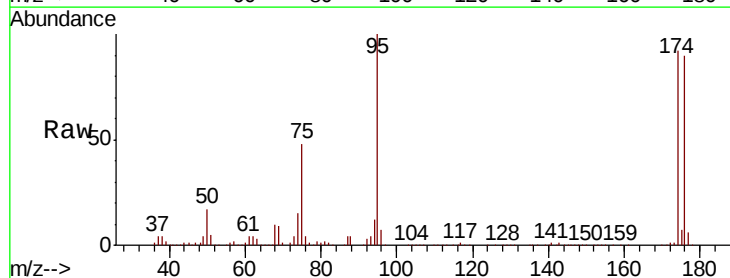
Acq: 04 Oct 2018 19:35

Tgt Ion: 75 Resp: 94255

Ion Ratio Lower Upper

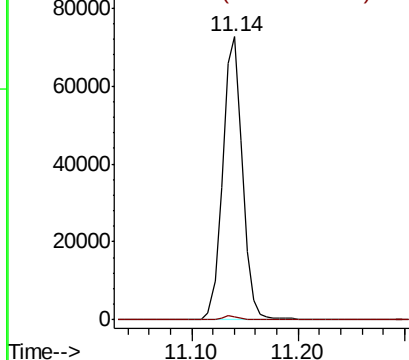
75 100

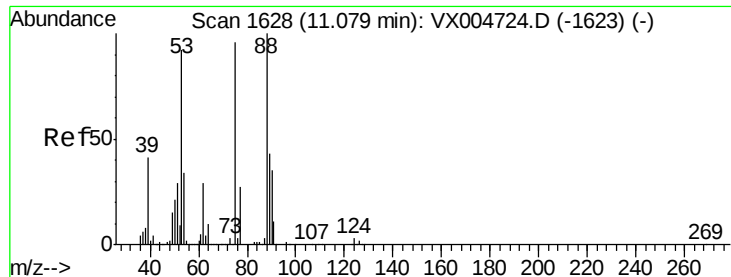
77 1.4 21.4 64.3#



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: 56.762 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005028.D

Acq: 04 Oct 2018 19:35

Instrument :

MSVOA_X

ClientSampleId :

DSN001

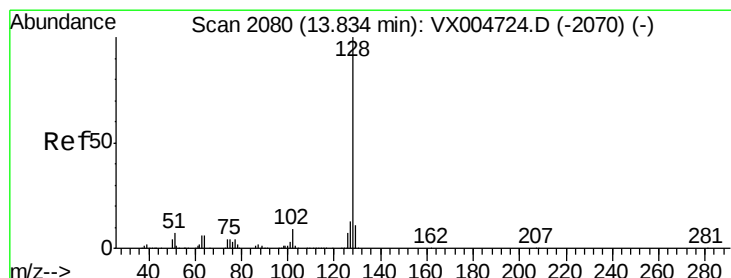
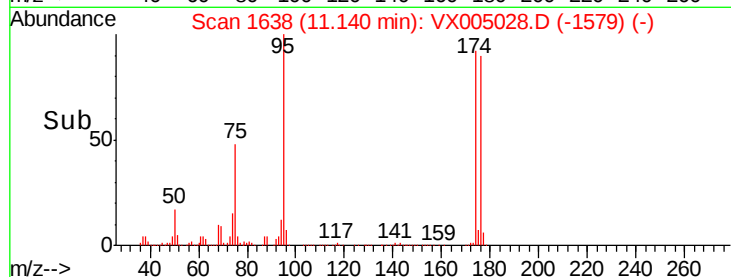
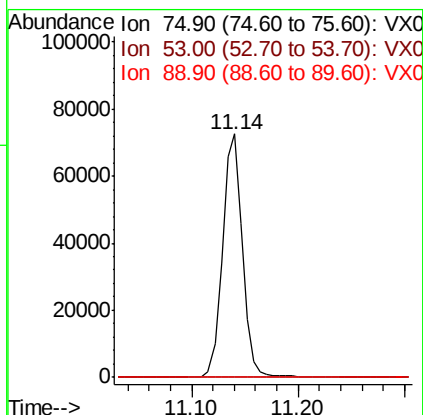
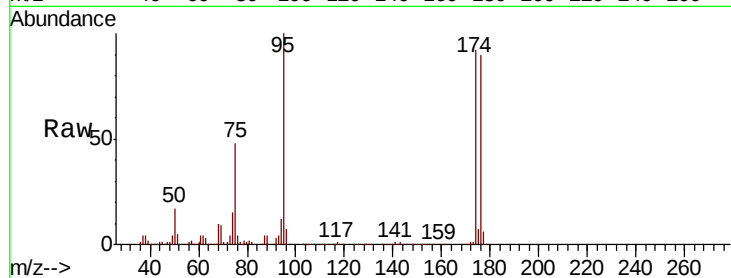
Tot Ion: 75 Resp: 94255

Ion Ratio Lower Upper

75 100

53 0.2 80.2 120.4#

89 0.0 37.1 55.7#



#95

Naphthalene

Concen: 1.042 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. 0.00 min

Lab File: VX005028.D

Acq: 04 Oct 2018 19:35

Tgt Ion:128 Resp: 5477

Ion Ratio Lower Upper

128 100

127 14.1 10.4 15.6

129 9.3 8.7 13.1

