

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100918\
 Data File : VX005188.D
 Acq On : 10 Oct 2018 05:12
 Operator : JC/MD
 Sample : J5303-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW513-2024

Quant Time: Oct 10 06:02:24 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	178815	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	281432	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	279420	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	156143	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	138638	54.27	ug/l	0.00
Spiked Amount			Recovery	=	108.54%	
35) Dibromofluoromethane	5.51	113	118011	49.48	ug/l	0.00
Spiked Amount			Recovery	=	98.96%	
50) Toluene-d8	8.72	98	408126	51.47	ug/l	0.00
Spiked Amount			Recovery	=	102.94%	
62) 4-Bromofluorobenzene	11.14	95	146115	51.15	ug/l	0.00
Spiked Amount			Recovery	=	102.30%	

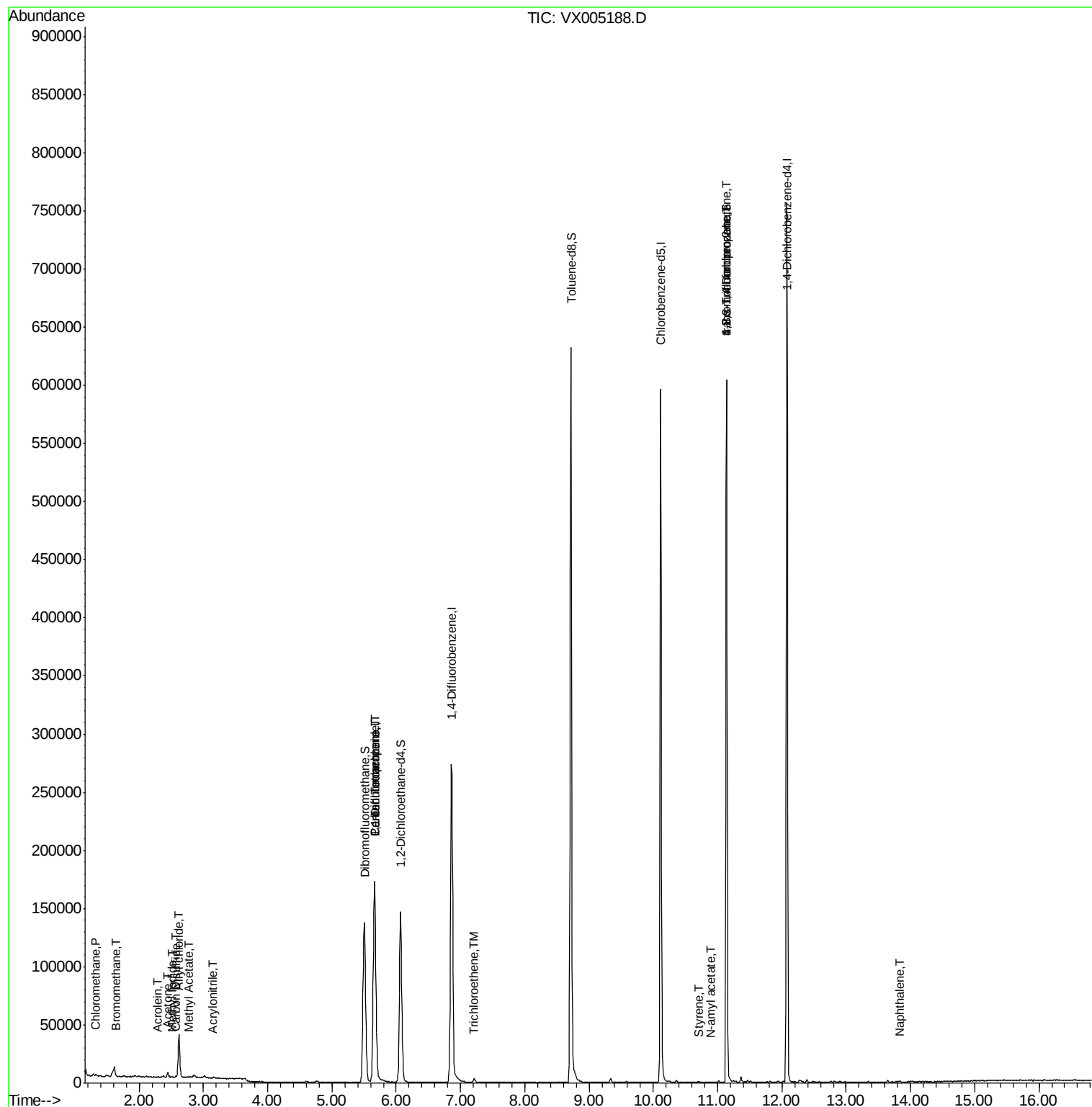
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	1.32	50	758	0.256	ug/l #	86
5) Bromomethane	1.64	94	907	0.551	ug/l #	55
6) Chloroethane	1.61	64	164	Below Cal	#	13
10) Methyl Iodide	2.52	142	619	0.236	ug/l #	88
13) Acrolein	2.29	56	189	0.372	ug/l	89
14) Allyl chloride	2.62	41	3862	0.914	ug/l #	59
15) Acrylonitrile	3.14	53	414	0.263	ug/l #	54
16) Acetone	2.45	43	3980	2.669	ug/l #	86
17) Carbon Disulfide	2.57	76	1442	0.248	ug/l #	82
18) Methyl Acetate	2.78	43	770	0.204	ug/l	100
20) Methylene Chloride	2.86	84	838	Below Cal	#	91
36) 1,1-Dichloropropene	5.67	75	12545	3.855	ug/l #	46
38) Carbon Tetrachloride	5.67	117	16697	4.881	ug/l #	18
44) Trichloroethene	7.21	130	1171	0.468	ug/l	79
70) Styrene	10.71	104	232	2.170	ug/l #	73
74) N-amyl acetate	10.88	43	31	1.753	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	72714	20.777	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	316	Below Cal		99
81) trans-1,4-Dichloro-2-buten	11.14	75	72714	56.402	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	467	Below Cal		94
95) Naphthalene	13.83	128	760	0.777	ug/l #	90

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

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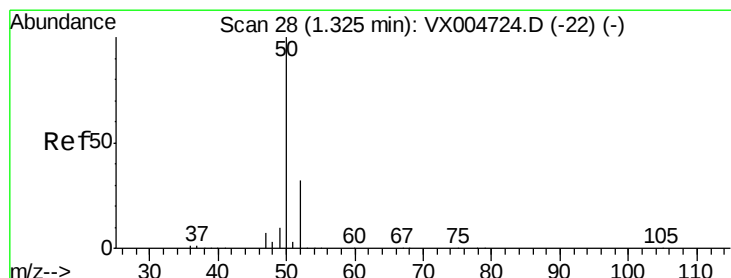
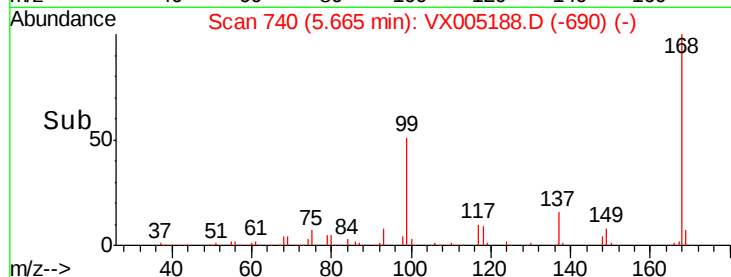
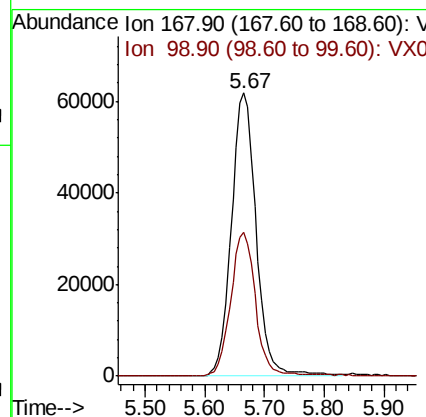
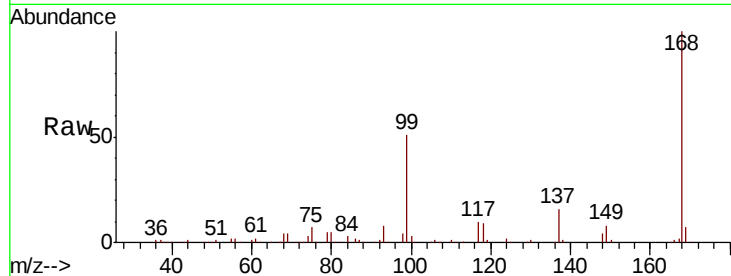




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 740
Delta R.T. 0.01 min
Lab File: VX005188.D
Acq: 10 Oct 2018 05:12

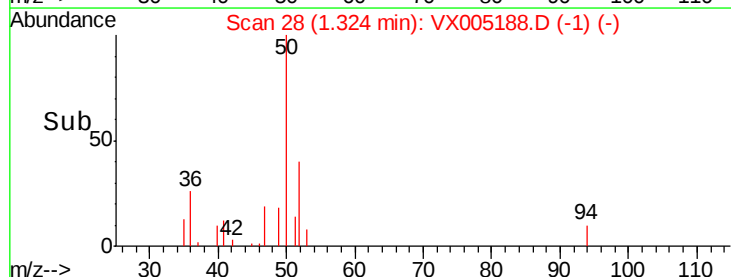
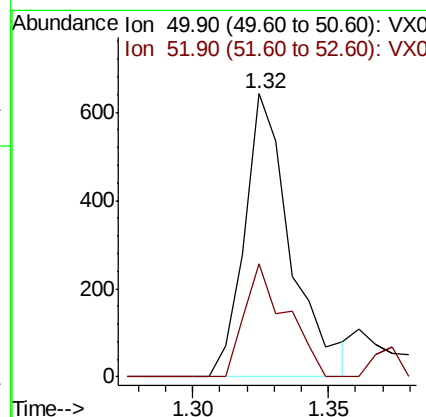
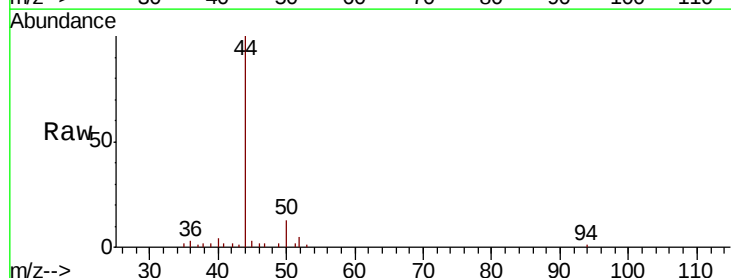
Instrument :
MSVOA_X
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SA-TW513-2024

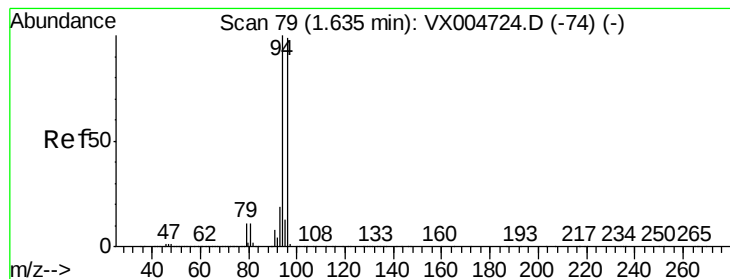
Tot Ion:168 Resp: 178815
Ion Ratio Lower Upper
168 100
99 50.9 39.3 58.9



#3
Chloromethane
Concen: 0.256 ug/l
RT: 1.32 min Scan# 28
Delta R.T. -0.00 min
Lab File: VX005188.D
Acq: 10 Oct 2018 05:12

Tgt Ion: 50 Resp: 758
Ion Ratio Lower Upper
50 100
52 40.2 25.8 38.6#





#5

Bromomethane

Concen: 0.551 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005188.D

Acq: 10 Oct 2018 05:12

Instrument :

MSVOA_X

ClientSampleId :

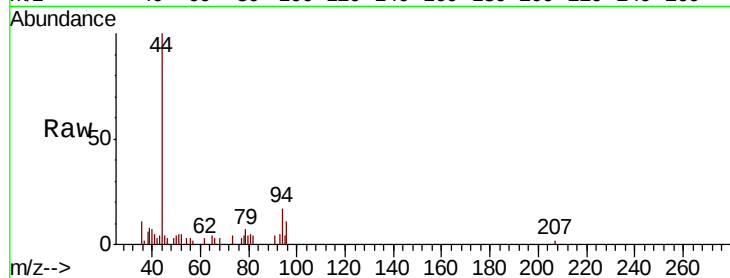
SA-TW513-2024

Tot Ion: 94 Resp: 907

Ion Ratio Lower Upper

94 100

96 54.5 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

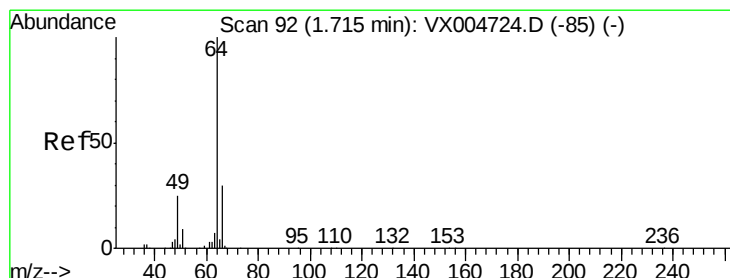
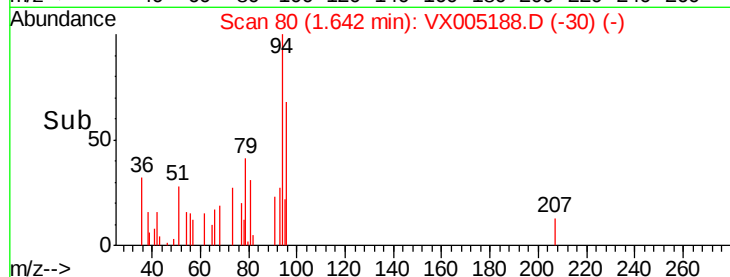
200

100

0

1.60 1.65 1.70

Time-->



#6

Chloroethane

Concen: Below Cal

RT: 1.61 min Scan# 75

Delta R.T. -0.10 min

Lab File: VX005188.D

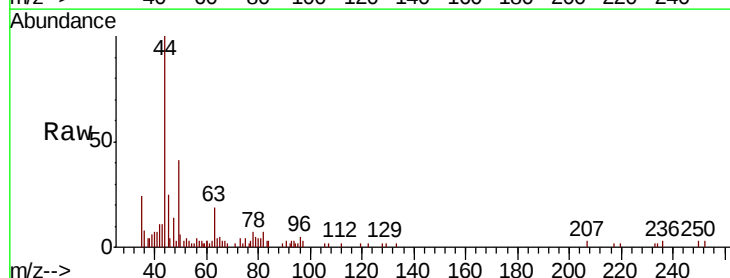
Acq: 10 Oct 2018 05:12

Tgt Ion: 64 Resp: 164

Ion Ratio Lower Upper

64 100

66 76.8 23.8 35.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.61

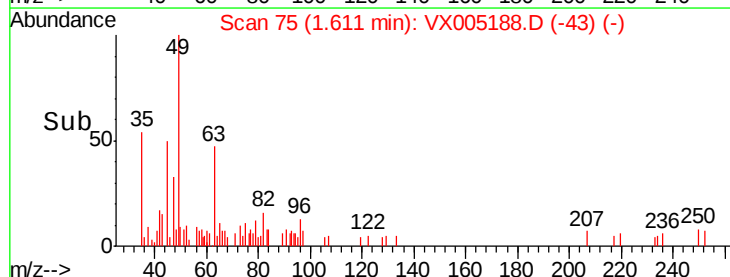
100

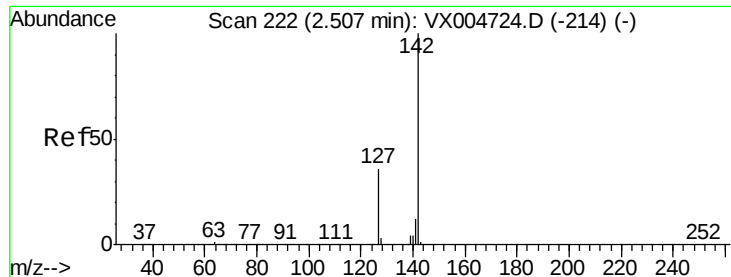
50

0

1.60 1.62 1.64 1.66

Time-->

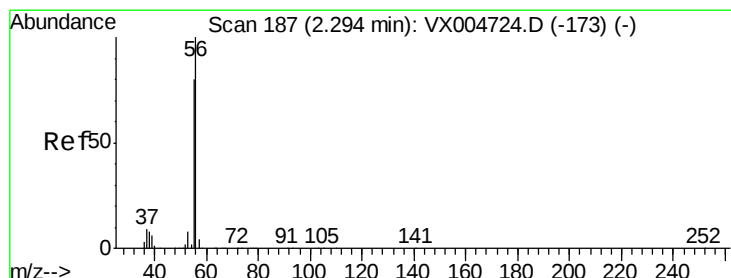
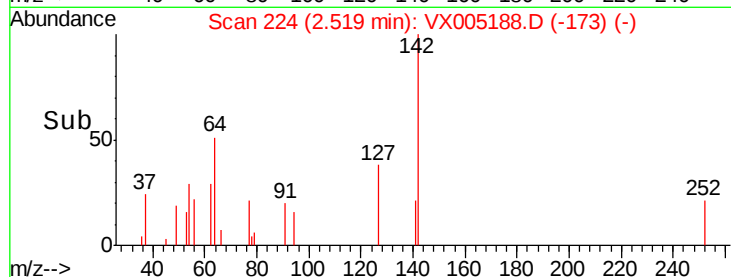
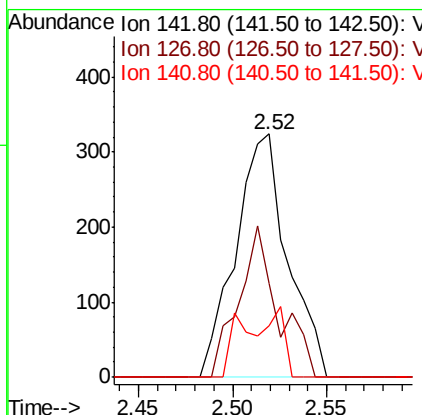
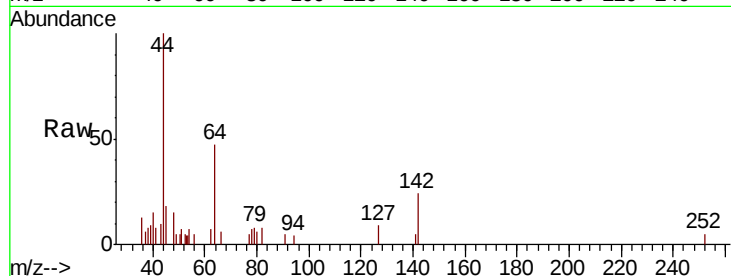




#10
Methvl Iodide
Concen: 0.236 ug/l
RT: 2.52 min Scan# 224
Delta R.T. 0.01 min
Lab File: VX005188.D
Acq: 10 Oct 2018 05:12

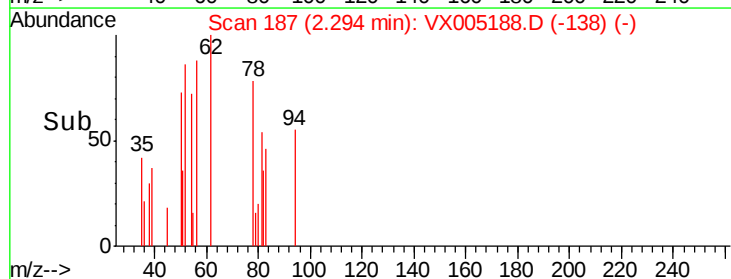
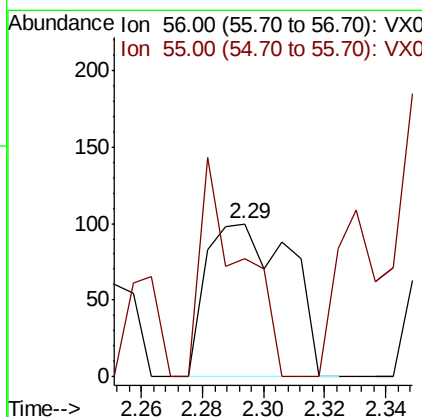
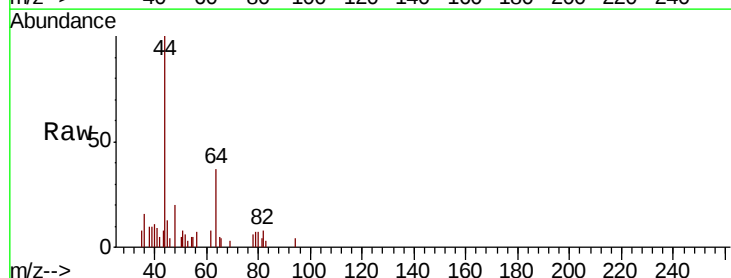
Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-2024

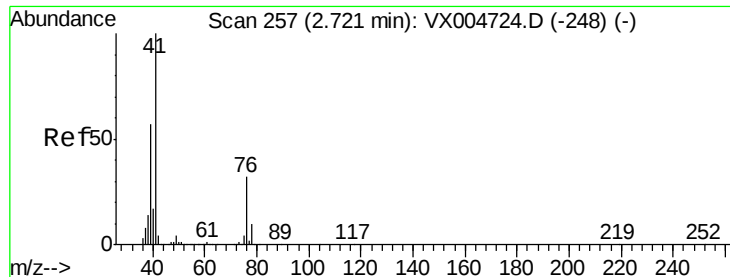
Tot Ion:142 Resp: 619
Ion Ratio Lower Upper
142 100
127 47.2 30.1 45.1#
141 12.0 10.1 15.1



#13
Acrolein
Concen: 0.372 ug/l
RT: 2.29 min Scan# 187
Delta R.T. -0.00 min
Lab File: VX005188.D
Acq: 10 Oct 2018 05:12

Tgt Ion: 56 Resp: 189
Ion Ratio Lower Upper
56 100
55 69.8 63.4 95.2

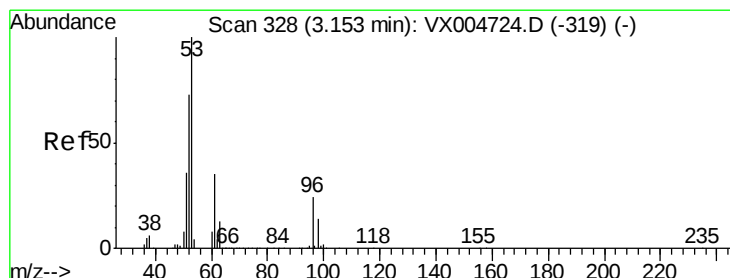
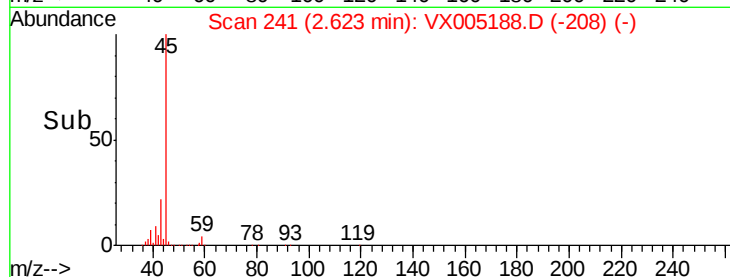
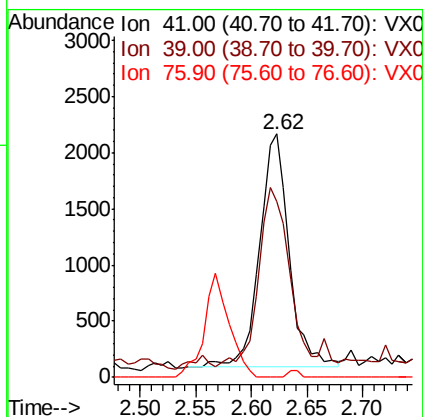
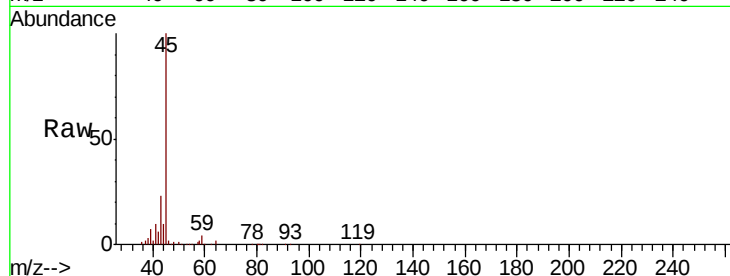




#14
Allvl chloride
Concen: 0.914 ug/l
RT: 2.62 min Scan# 241
Delta R.T. -0.10 min
Lab File: VX005188.D
Acq: 10 Oct 2018 05:12

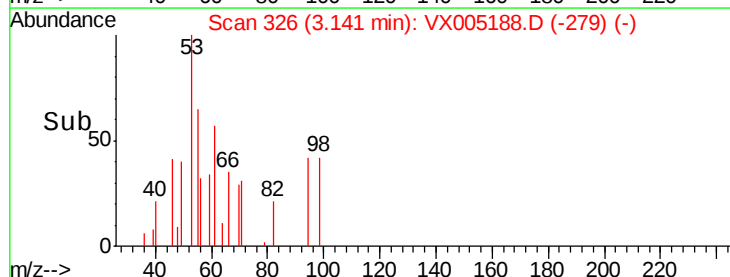
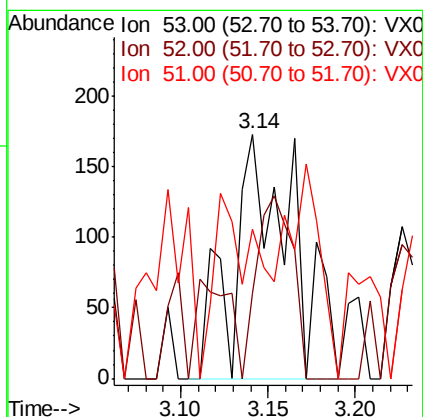
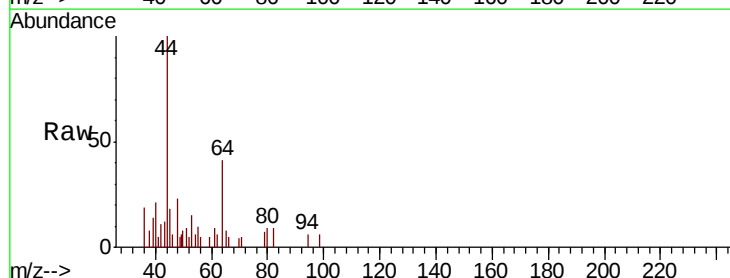
Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-2024

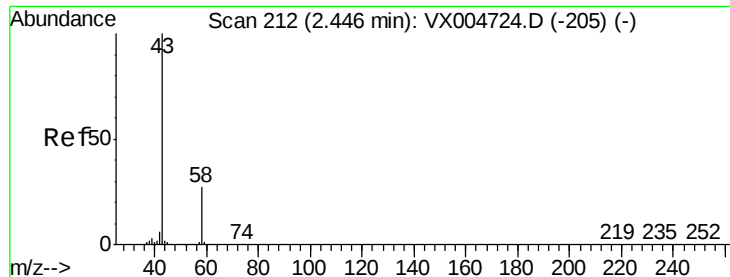
Tot Ion: 41 Resp: 3862
Ion Ratio Lower Upper
41 100
39 78.7 44.1 66.1#
76 0.0 25.0 37.4#



#15
Acrylonitrile
Concen: 0.263 ug/l
RT: 3.14 min Scan# 326
Delta R.T. -0.01 min
Lab File: VX005188.D
Acq: 10 Oct 2018 05:12

Tgt Ion: 53 Resp: 414
Ion Ratio Lower Upper
53 100
52 44.7 63.0 94.4#
51 0.0 28.6 42.8#





#16

Acetone

Concen: 2.669 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005188.D

Acq: 10 Oct 2018 05:12

Instrument :

MSVOA_X

ClientSampleId :

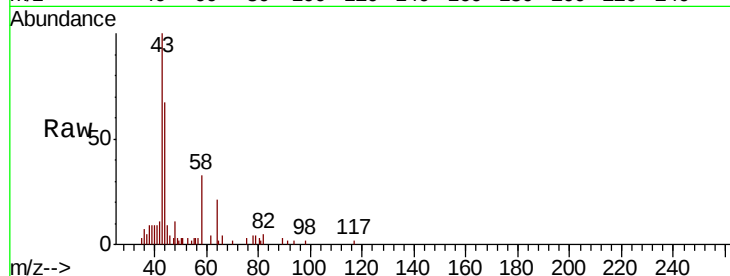
SA-TW513-2024

Tot Ion: 43 Resp: 3980

Ion Ratio Lower Upper

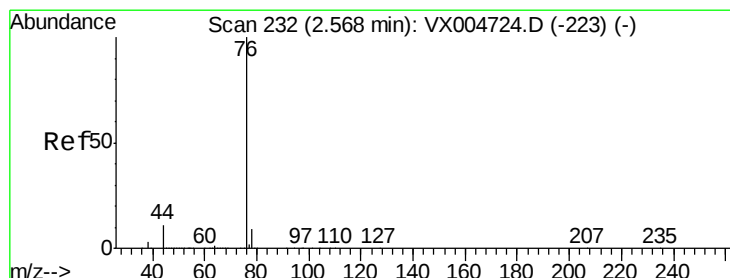
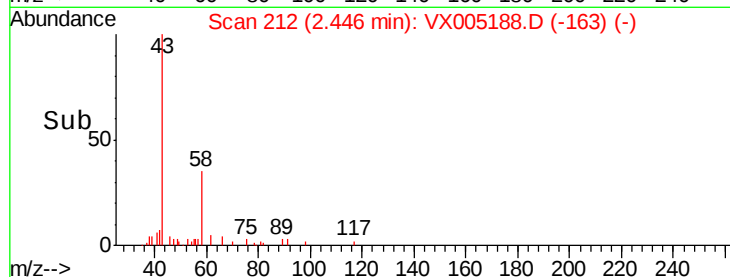
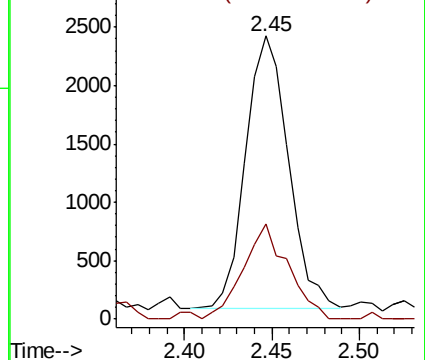
43 100

58 34.7 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#17

Carbon Disulfide

Concen: 0.248 ug/l

RT: 2.57 min Scan# 232

Delta R.T. -0.00 min

Lab File: VX005188.D

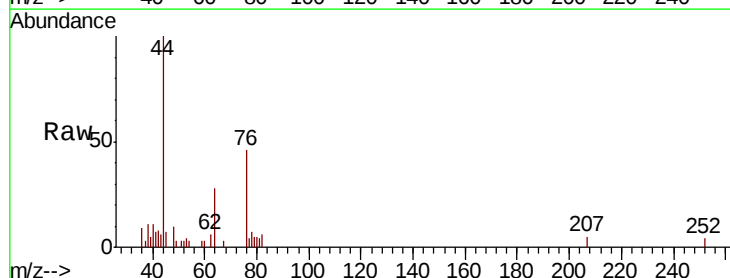
Acq: 10 Oct 2018 05:12

Tgt Ion: 76 Resp: 1442

Ion Ratio Lower Upper

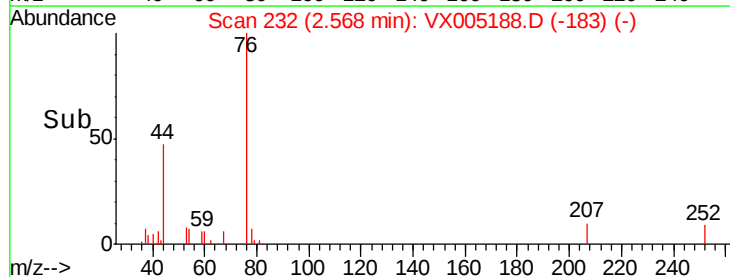
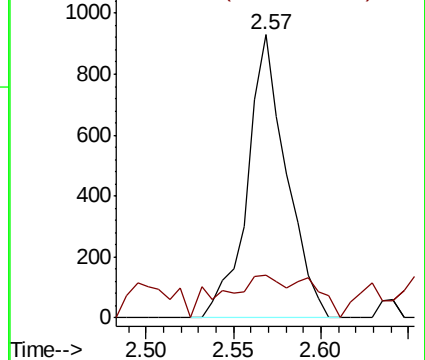
76 100

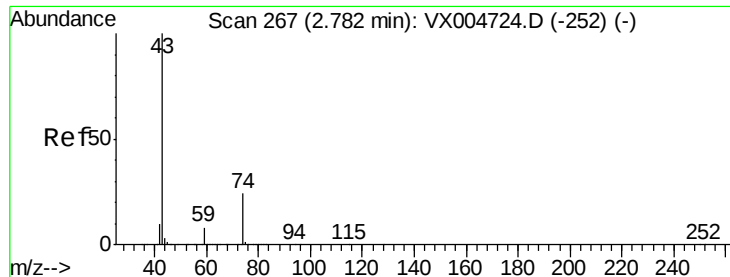
78 15.3 7.0 10.6#



Abundance Ion 75.90 (75.60 to 76.60): VX0

Ion 77.90 (77.60 to 78.60): VX0

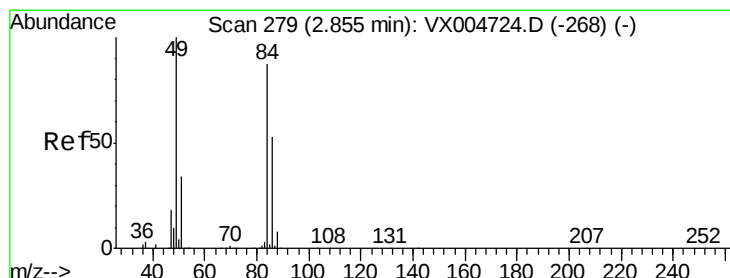
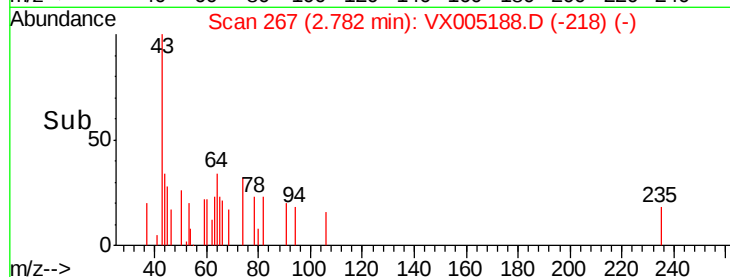
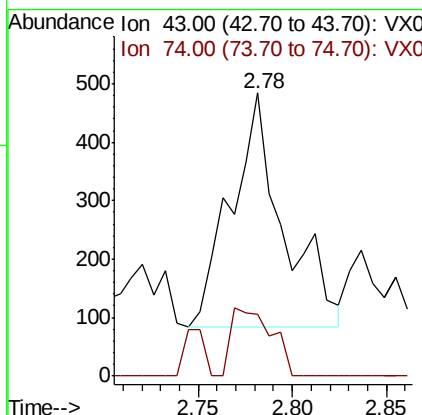
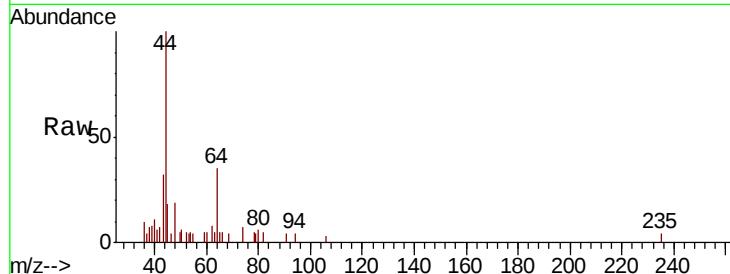




#18
Methvl Acetate
Concen: 0.204 ug/l
RT: 2.78 min Scan# 267
Delta R.T. -0.00 min
Lab File: VX005188.D
Acq: 10 Oct 2018 05:12

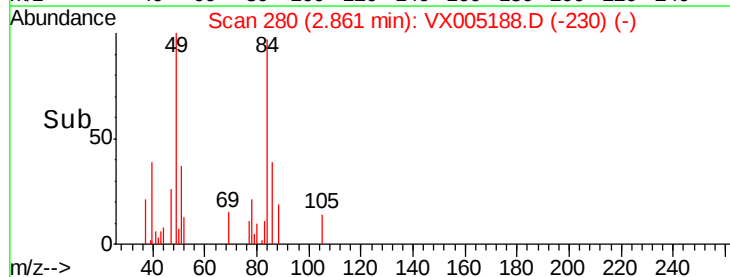
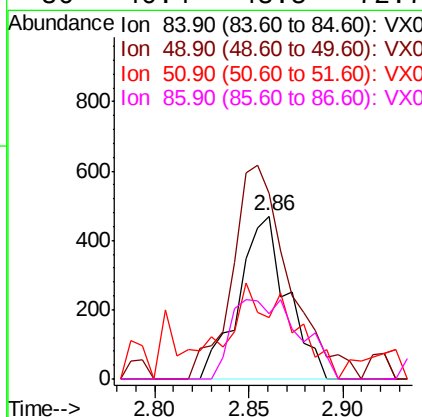
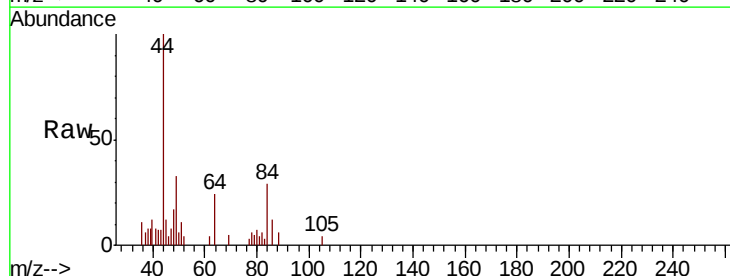
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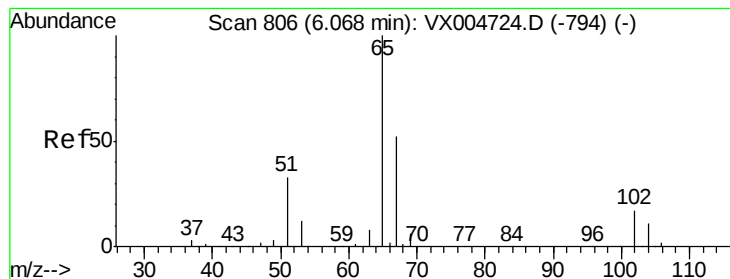
Tot Ion: 43 Resp: 770
Ion Ratio Lower Upper
43 100
74 22.5 17.8 26.8



#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005188.D
Acq: 10 Oct 2018 05:12

Tgt Ion: 84 Resp: 838
Ion Ratio Lower Upper
84 100
49 114.3 92.3 138.5
51 37.9 31.8 47.6
86 40.4 48.5 72.7#





#33

1,2-Dichloroethane-d4

Concen: 54.275 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.00 min

Lab File: VX005188.D

Acq: 10 Oct 2018 05:12

Instrument :

MSVOA_X

ClientSampleId :

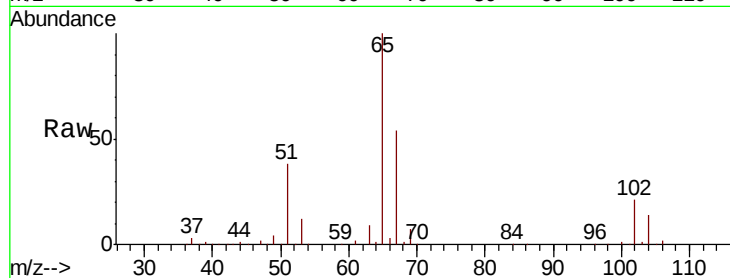
SA-TW513-2024

Tot Ion: 65 Resp: 138638

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.07

60000

50000

40000

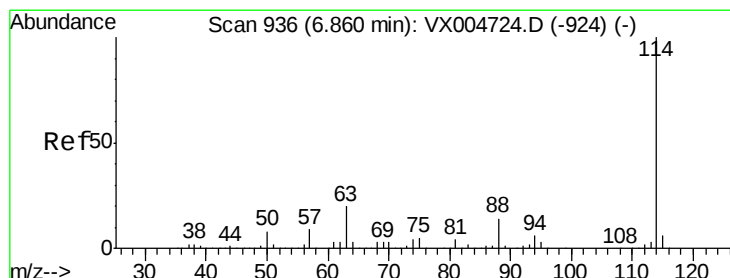
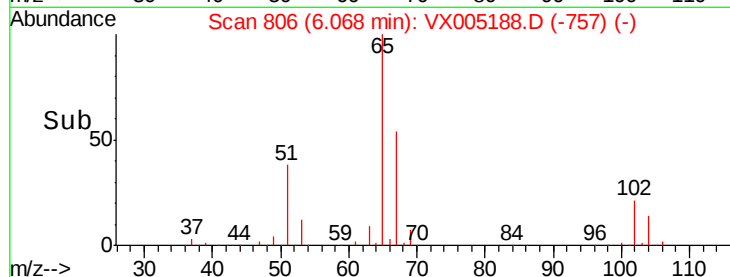
30000

20000

10000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX005188.D

Acq: 10 Oct 2018 05:12

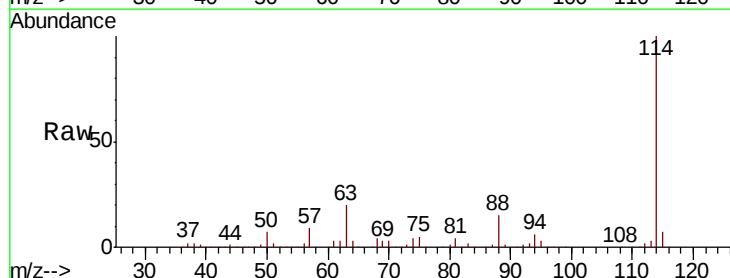
Tgt Ion: 114 Resp: 281432

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.8

88 14.7 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

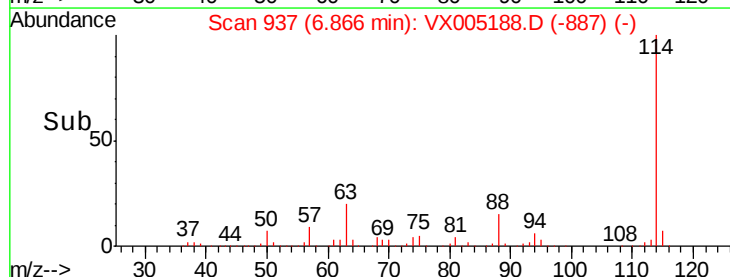
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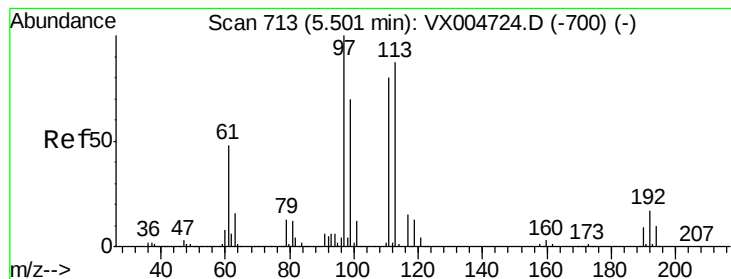
100000

50000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.477 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005188.D

Acq: 10 Oct 2018 05:12

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-2024

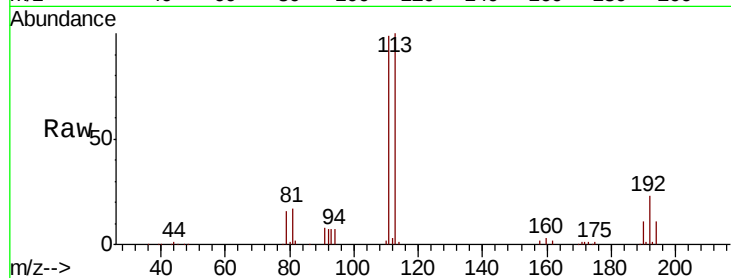
Tot Ion:113 Resp: 118011

Ion Ratio Lower Upper

113 100

111 103.9 77.0 115.4

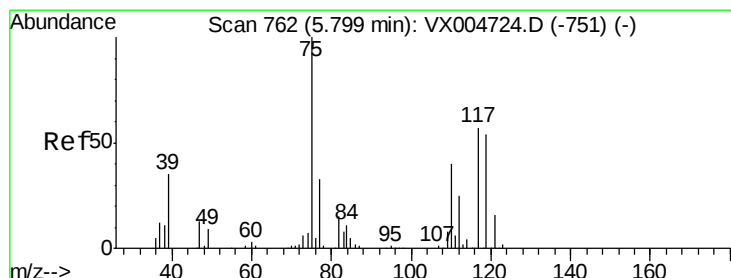
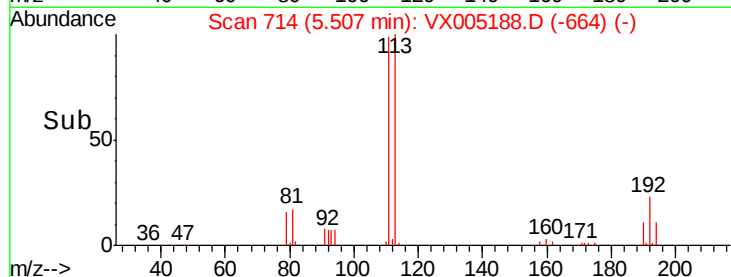
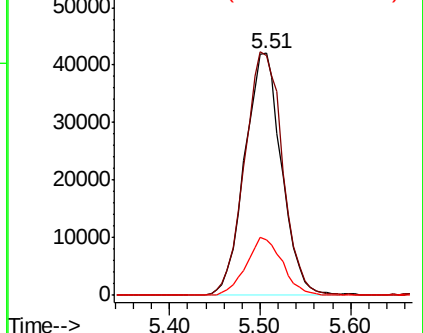
192 23.5 17.0 25.6



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: 3.855 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005188.D

Acq: 10 Oct 2018 05:12

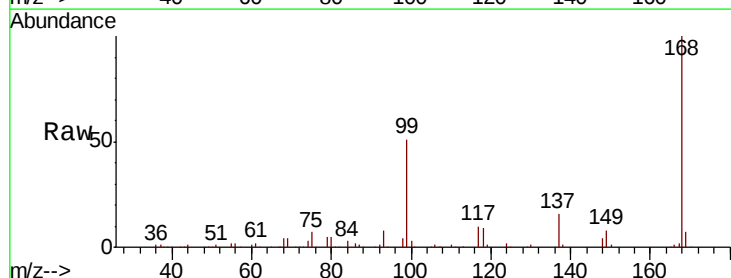
Tgt Ion: 75 Resp: 12545

Ion Ratio Lower Upper

75 100

110 9.3 20.0 59.9#

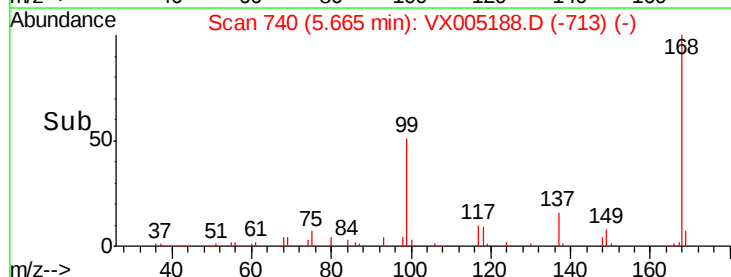
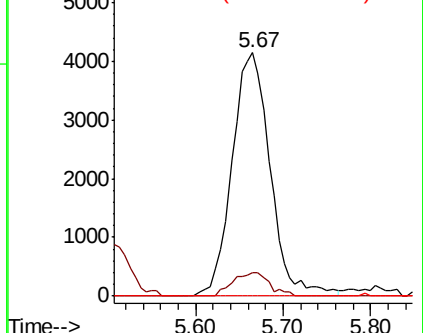
77 0.0 27.1 40.7#

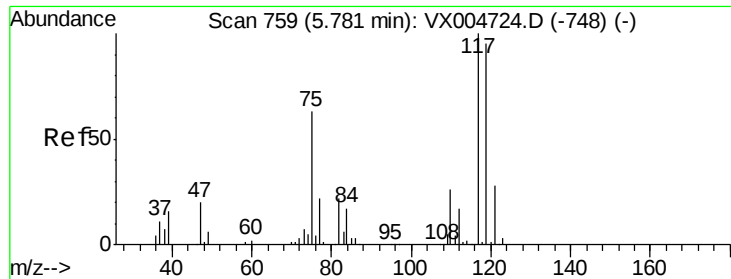


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.881 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005188.D

Acq: 10 Oct 2018 05:12

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-2024

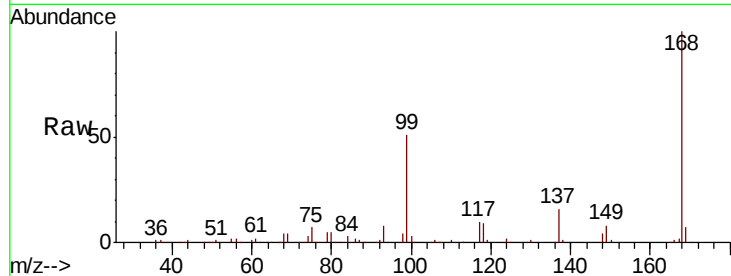
Tot Ion:117 Resp: 16697

Ion Ratio Lower Upper

117 100

119 6.5 75.2 112.8#

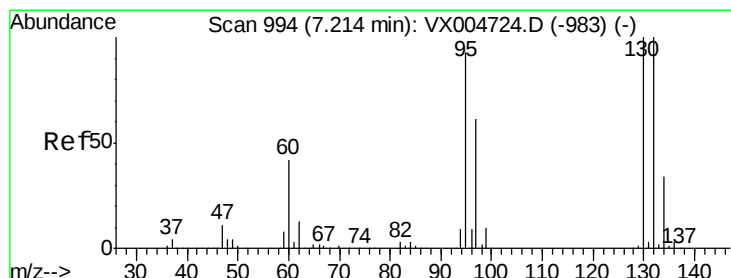
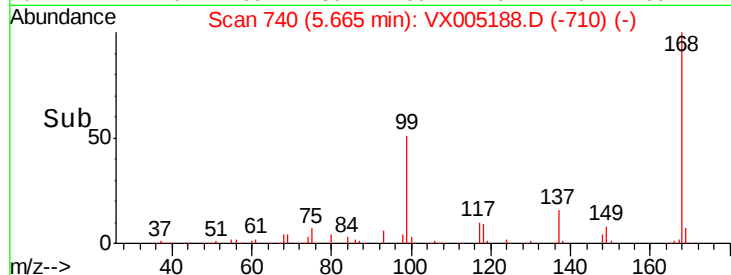
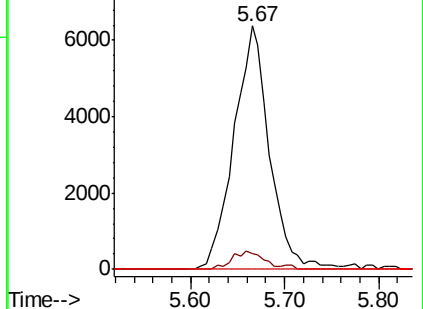
121 0.0 22.5 33.7#



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



#44

Trichloroethene

Concen: 0.468 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005188.D

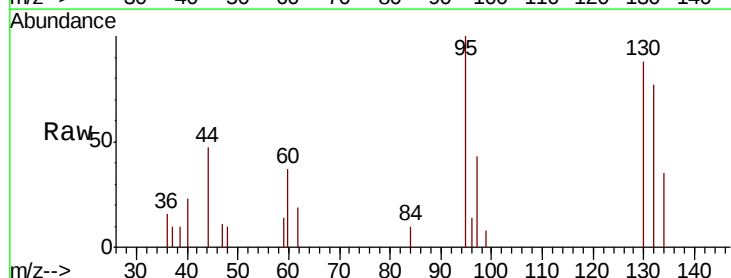
Acq: 10 Oct 2018 05:12

Tgt Ion:130 Resp: 1171

Ion Ratio Lower Upper

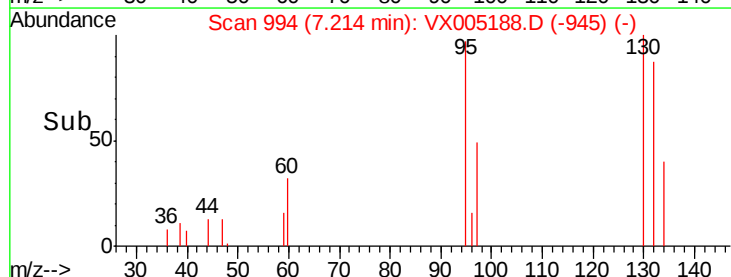
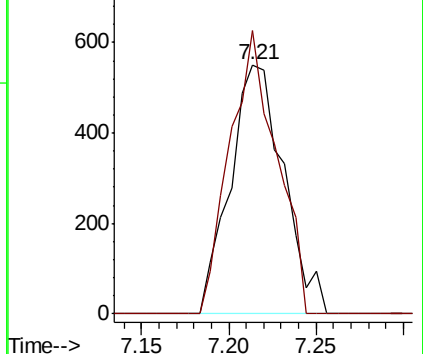
130 100

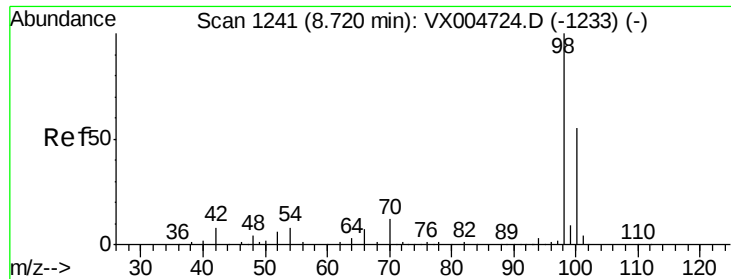
95 113.6 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

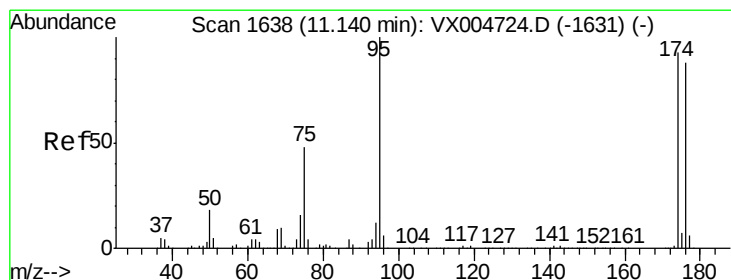
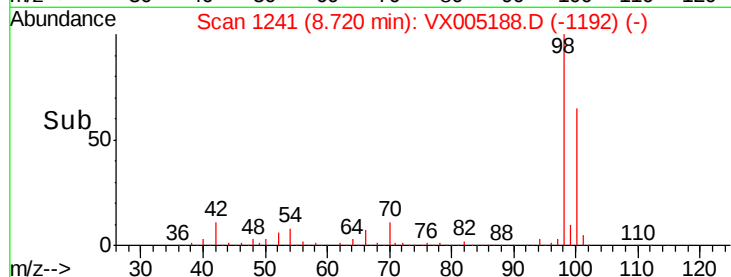
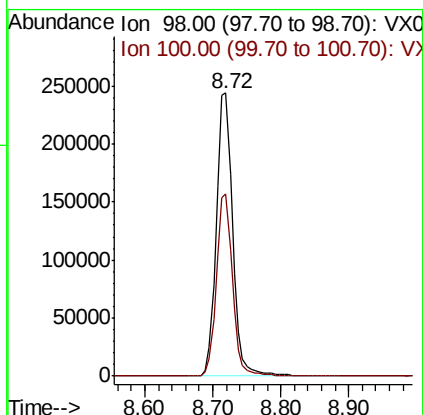
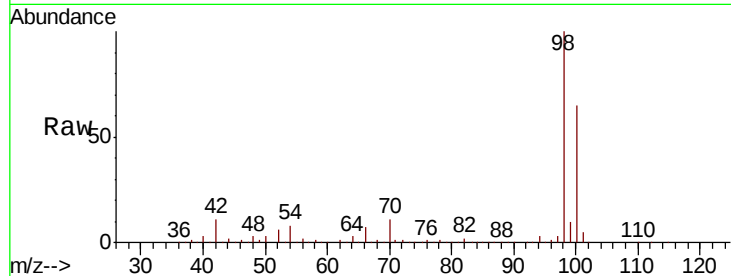




#50
Toluene-d8
Concen: 51.469 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005188.D
Acq: 10 Oct 2018 05:12

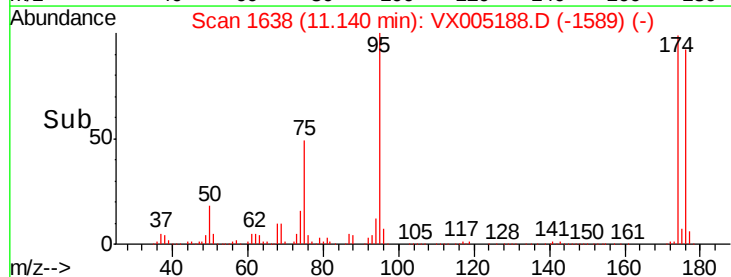
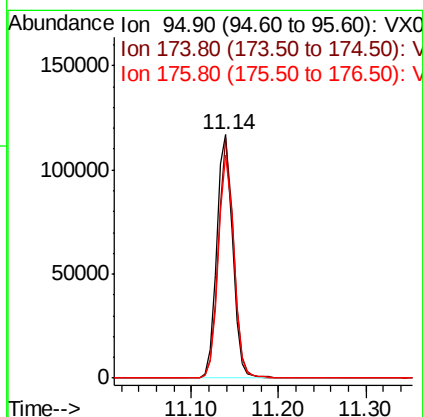
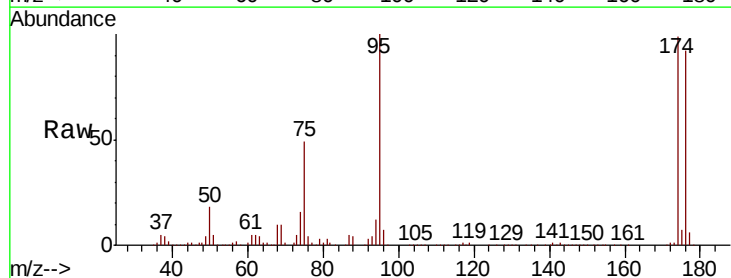
Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-2024

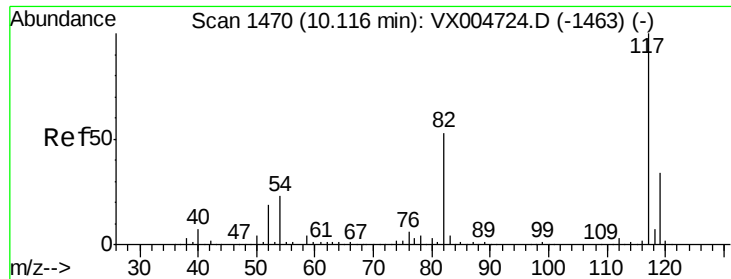
Tot Ion: 98 Resp: 408126
Ion Ratio Lower Upper
98 100
100 63.3 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 51.149 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005188.D
Acq: 10 Oct 2018 05:12

Tgt Ion: 95 Resp: 146115
Ion Ratio Lower Upper
95 100
174 94.7 0.0 185.0
176 89.8 0.0 180.2

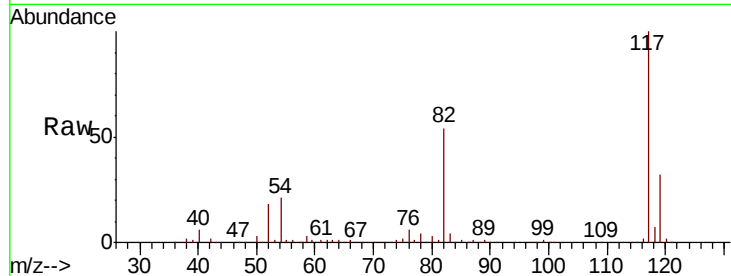




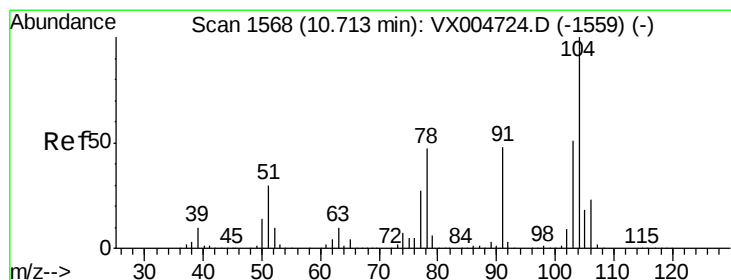
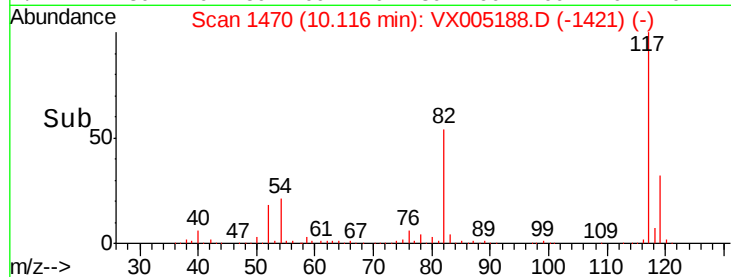
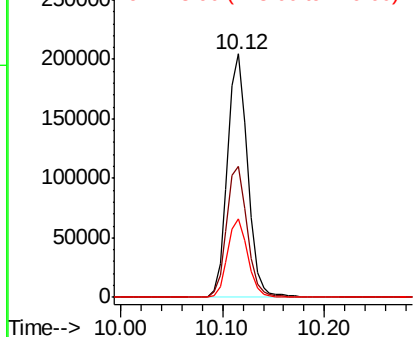
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005188.D
Acq: 10 Oct 2018 05:12

Instrument :
MSVOA_X
ClientSampleId :
SA-TW513-2024

Tot Ion:117 Resp: 279420
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 32.4 27.4 41.0

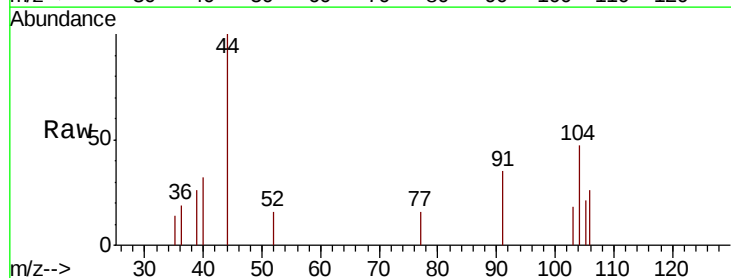


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

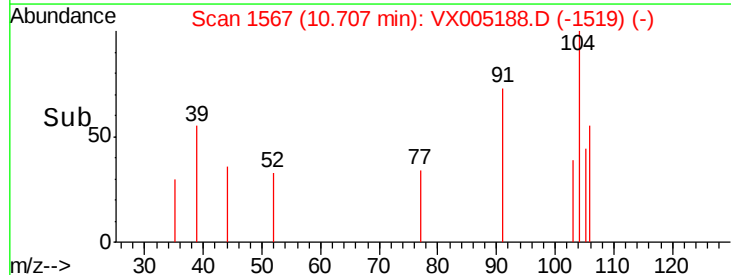
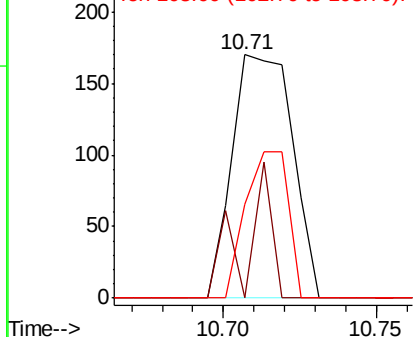


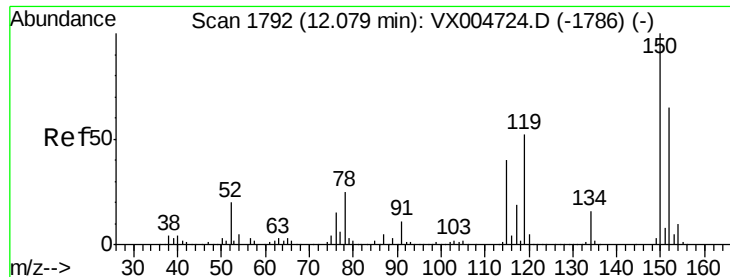
#70
Styrene
Concen: 2.170 ug/l
RT: 10.71 min Scan# 1567
Delta R.T. -0.01 min
Lab File: VX005188.D
Acq: 10 Oct 2018 05:12

Tgt Ion:104 Resp: 232
Ion Ratio Lower Upper
104 100
78 24.6 40.0 60.0#
103 42.7 44.3 66.5#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VX0
Ion 103.00 (102.70 to 103.70): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX005188.D

Acq: 10 Oct 2018 05:12

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-2024

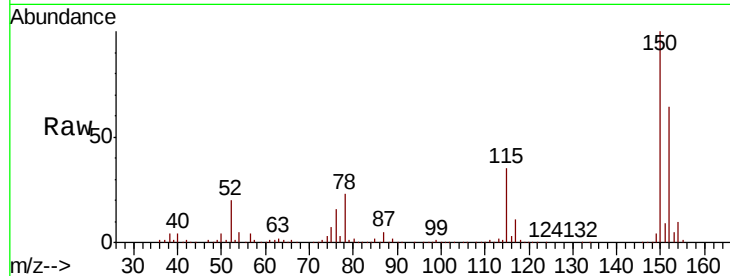
Tot Ion:152 Resp: 156143

Ion Ratio Lower Upper

152 100

115 54.9 40.2 120.6

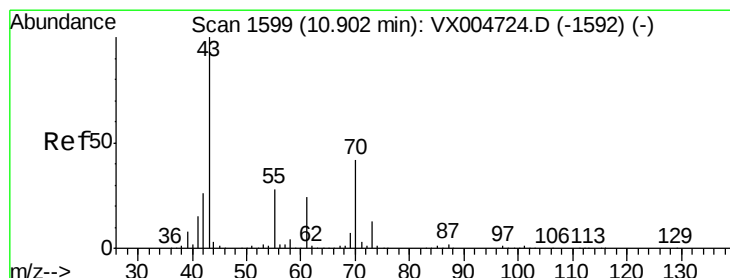
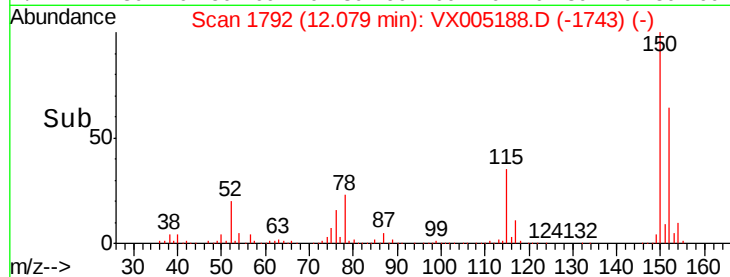
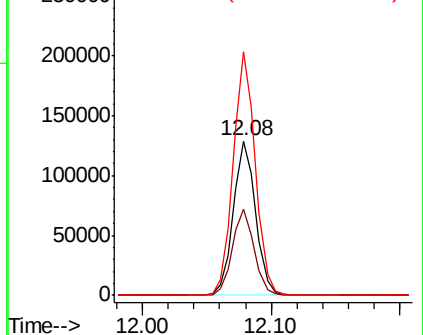
150 156.3 0.0 351.0



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



#74

N-ethyl acetate

Concen: 1.753 ug/l

RT: 10.88 min Scan# 1596

Delta R.T. -0.02 min

Lab File: VX005188.D

Acq: 10 Oct 2018 05:12

Tgt Ion: 43 Resp: 31

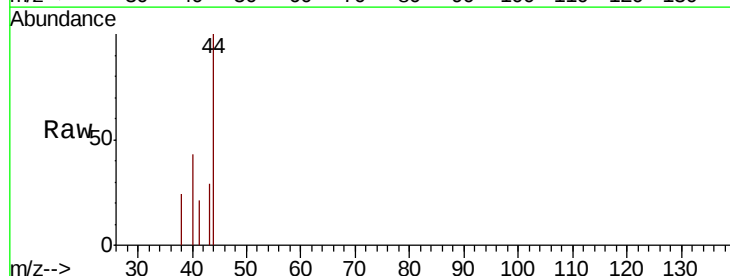
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 0.0 21.6 32.4#

61 0.0 19.1 28.7#

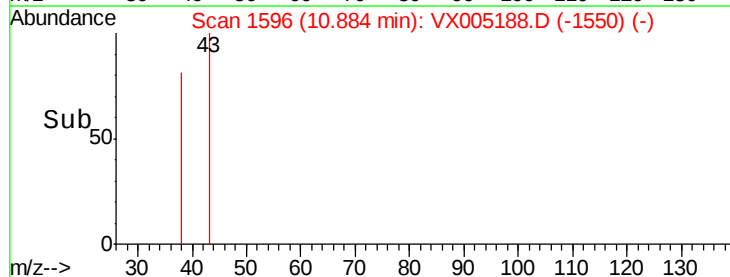
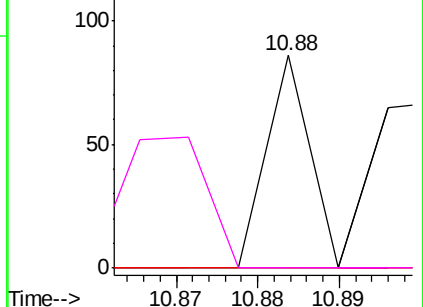


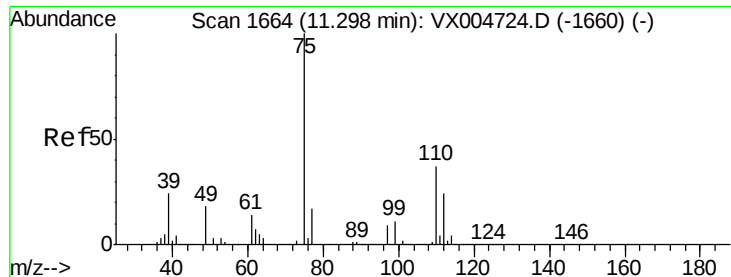
Abundance Ion 43.00 (42.70 to 43.70): VX0

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

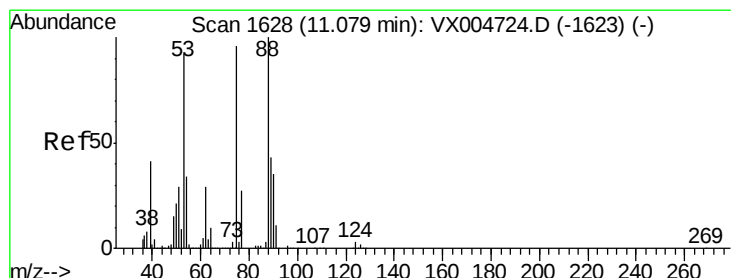
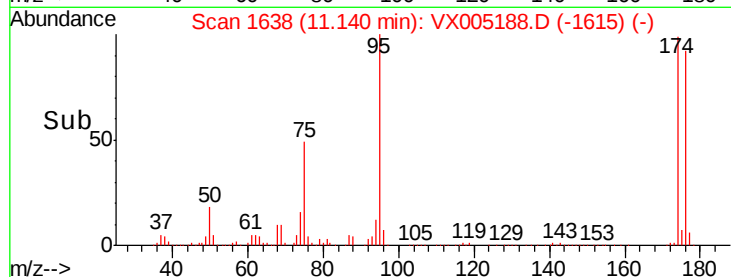
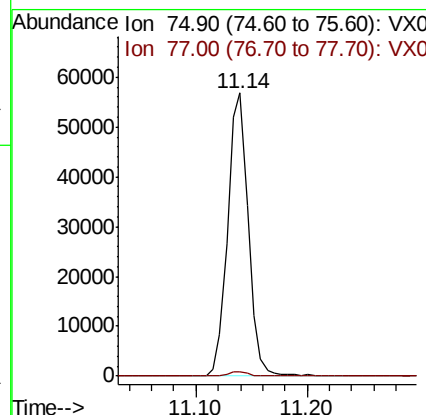
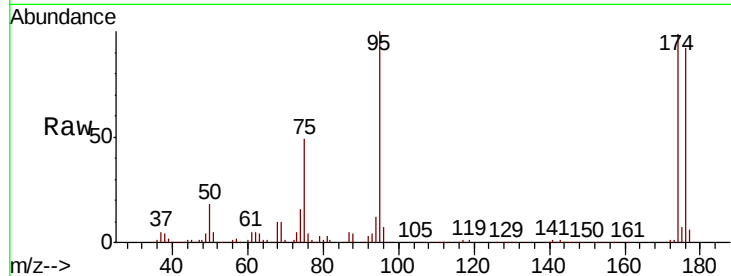




#76
 1,2,3-Trichloropropane
 Concen: 20.777 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. -0.16 min
 Lab File: VX005188.D
 Acq: 10 Oct 2018 05:12

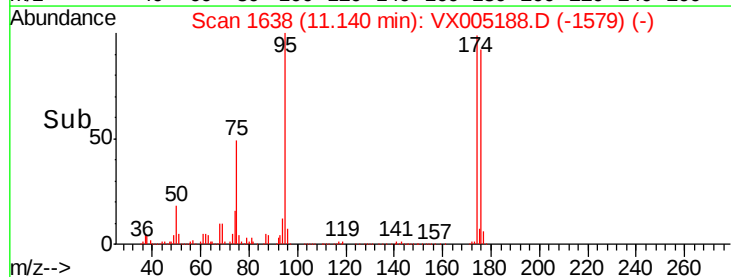
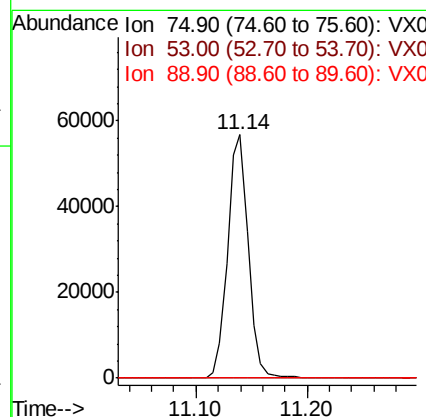
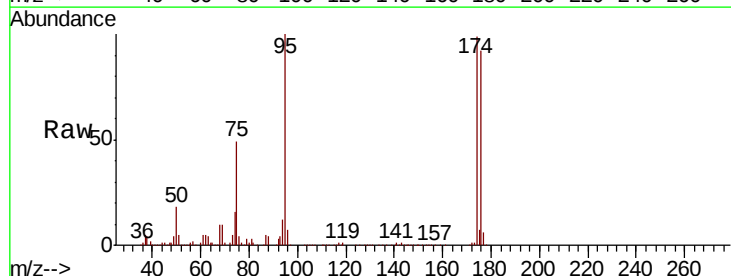
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-TW513-2024

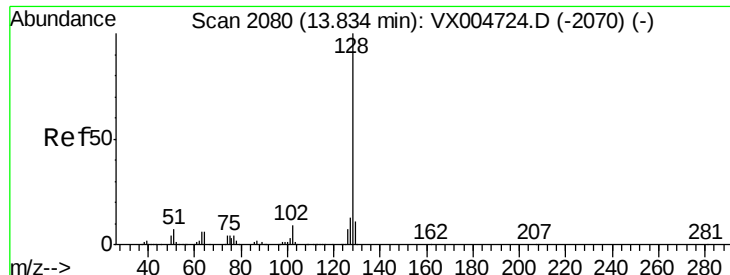
Tot Ion: 75 Resp: 72714
 Ion Ratio Lower Upper
 75 100
 77 1.4 21.4 64.3#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 56.402 ug/l
 RT: 11.14 min Scan# 1638
 Delta R.T. 0.06 min
 Lab File: VX005188.D
 Acq: 10 Oct 2018 05:12

Tgt Ion: 75 Resp: 72714
 Ion Ratio Lower Upper
 75 100
 53 0.4 80.2 120.4#
 89 0.0 37.1 55.7#





#95

Naphthalene

Concen: 0.777 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005188.D

Acq: 10 Oct 2018 05:12

Instrument :

MSVOA_X

ClientSampleId :

SA-TW513-2024

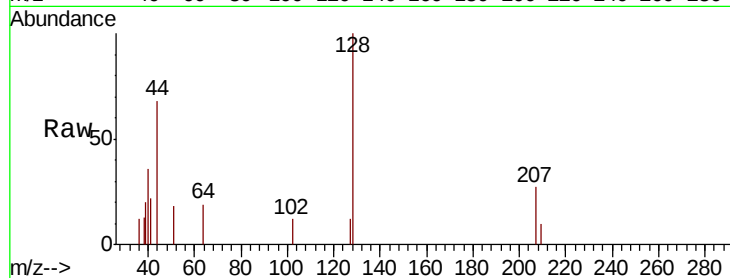
Tot Ion:128 Resp: 760

Ion Ratio Lower Upper

128 100

127 13.3 10.4 15.6

129 3.0 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

