

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101118\
 Data File : VX005269.D
 Acq On : 11 Oct 2018 22:14
 Operator : JC/MD
 Sample : J5393-07
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-123D3-20181008

Quant Time: Oct 12 07:12:28 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

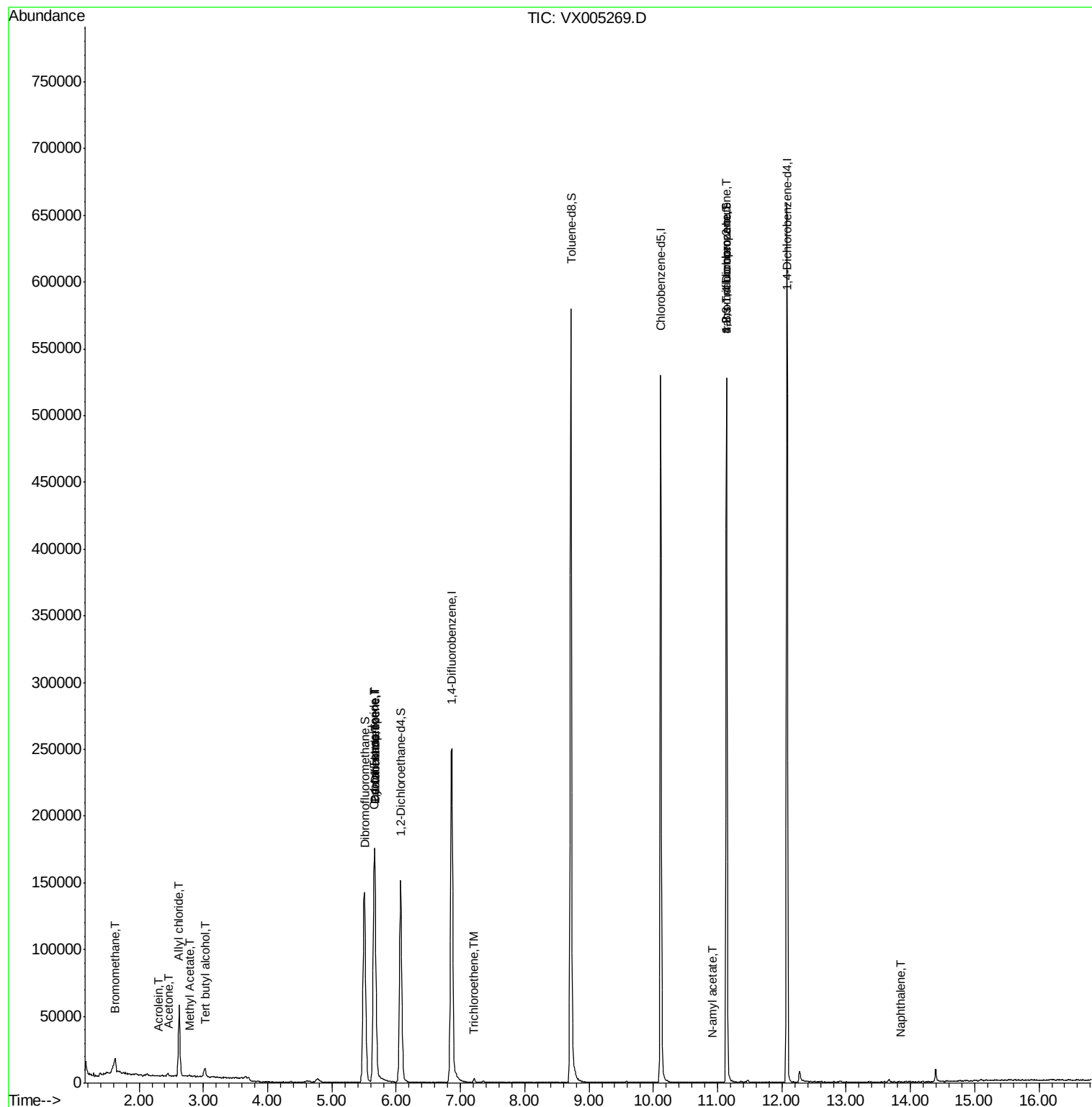
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	186559	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	263745	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	255220	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	138834	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	135524	50.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.70%	
35) Dibromofluoromethane	5.50	113	124375	55.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	111.28%	
50) Toluene-d8	8.72	98	374219	50.36	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.72%	
62) 4-Bromofluorobenzene	11.14	95	131363	49.07	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.14%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	597	0.348	ug/l #	58
6) Chloroethane	1.68	64	706	Below Cal	#	75
11) Tert butyl alcohol	3.03	59	4095	5.495	ug/l #	75
13) Acrolein	2.29	56	130	0.245	ug/l #	10
14) Allyl chloride	2.62	41	5742	1.302	ug/l #	64
16) Acetone	2.45	43	2369	1.523	ug/l	92
18) Methyl Acetate	2.78	43	870	0.221	ug/l #	83
20) Methylene Chloride	2.86	84	124	Below Cal	#	75
31) Cyclohexane	5.66	56	3481	1.027	ug/l #	3
36) 1,1-Dichloropropene	5.67	75	12624	4.139	ug/l #	45
38) Carbon Tetrachloride	5.65	117	16677	5.202	ug/l #	18
44) Trichloroethene	7.21	130	1134	0.483	ug/l	78
74) N-amyl acetate	10.91	43	19	1.752	ug/l #	1
76) 1,2,3-Trichloropropane	11.14	75	64113	20.603	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	104	Below Cal	#	29
81) trans-1,4-Dichloro-2-buten	11.14	75	64113	55.947	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.80	105	110	Below Cal	#	31
95) Naphthalene	13.84	128	276	0.743	ug/l #	69

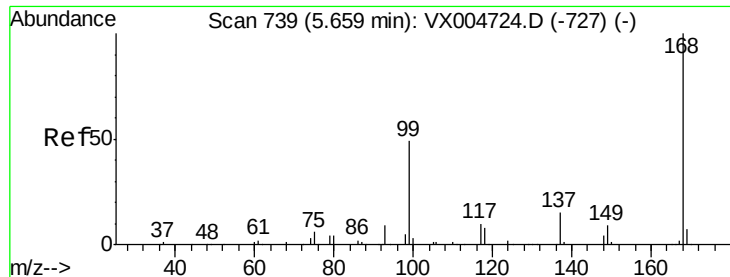
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX005269.D

Acq: 11 Oct 2018 22:14

Instrument :

MSVOA_X

ClientSampleId :

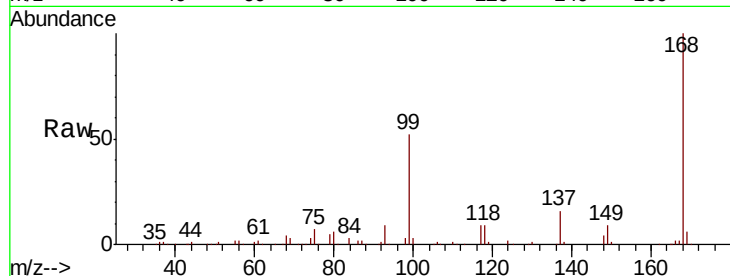
RE-123D3-20181008

Tot Ion:168 Resp: 186559

Ion Ratio Lower Upper

168 100

99 51.7 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

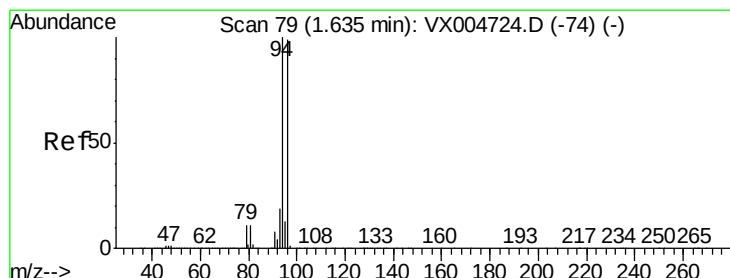
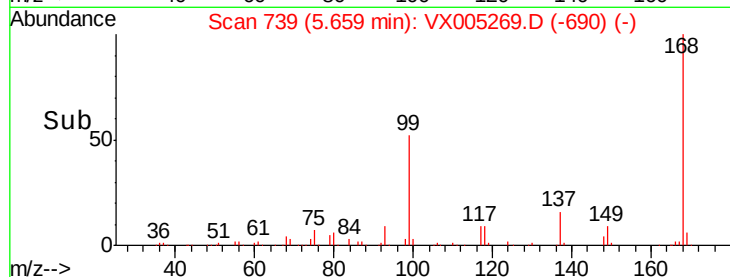
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.348 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005269.D

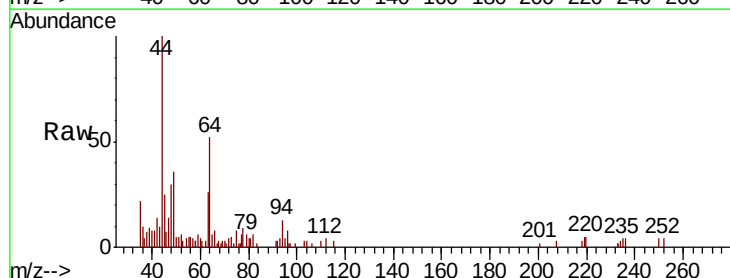
Acq: 11 Oct 2018 22:14

Tgt Ion: 94 Resp: 597

Ion Ratio Lower Upper

94 100

96 57.2 79.5 119.3#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

400

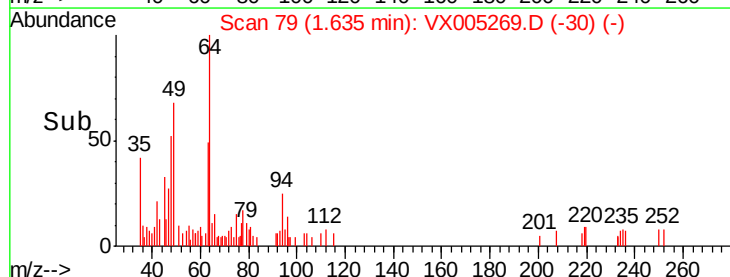
300

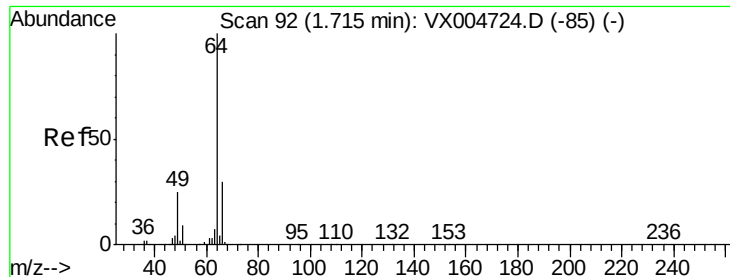
200

100

0

Time--> 1.60 1.65





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX005269.D

Acq: 11 Oct 2018 22:14

Instrument :

MSVOA_X

ClientSampleId :

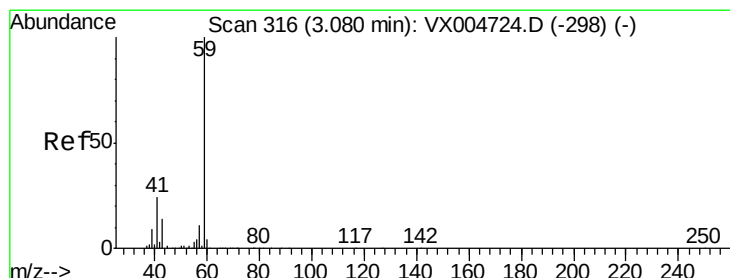
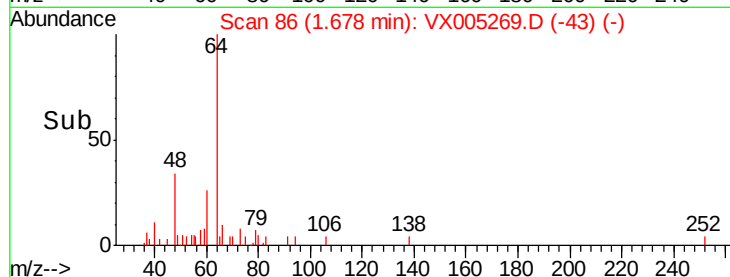
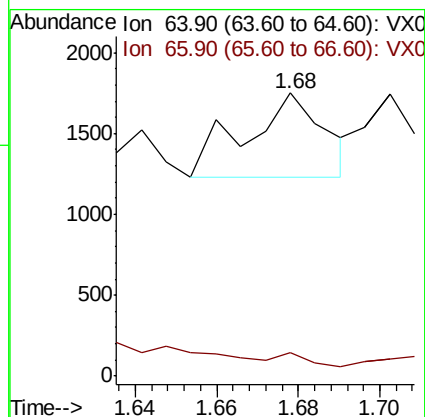
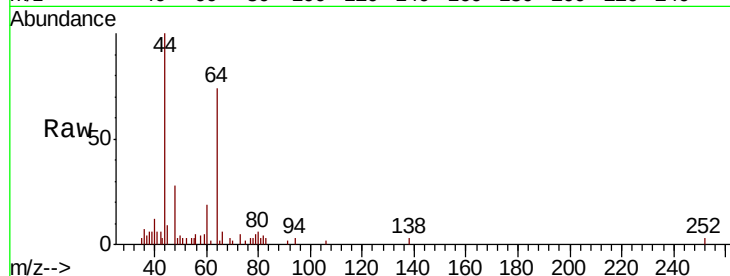
RE-123D3-20181008

Tot Ion: 64 Resp: 706

Ion Ratio Lower Upper

64 100

66 16.0 23.8 35.6#



#11

Tert butyl alcohol

Concen: 5.495 ug/l

RT: 3.03 min Scan# 307

Delta R.T. -0.05 min

Lab File: VX005269.D

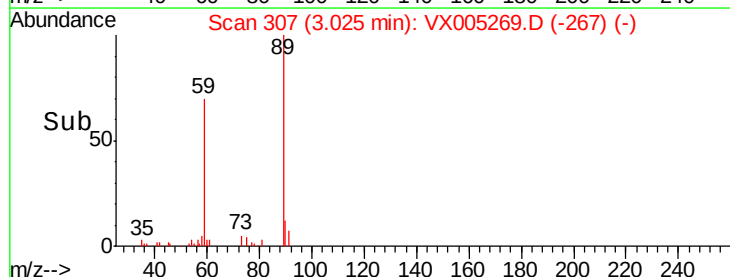
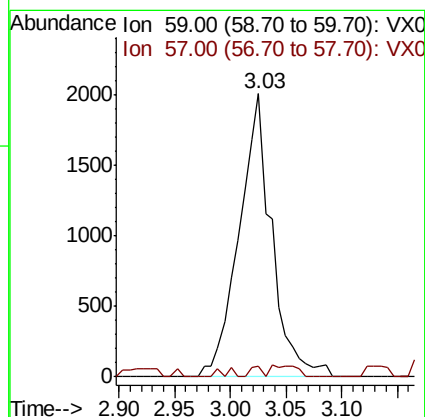
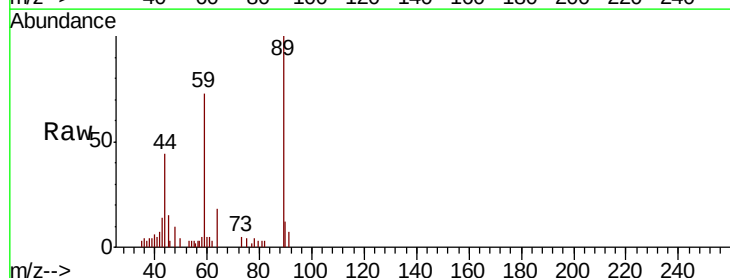
Acq: 11 Oct 2018 22:14

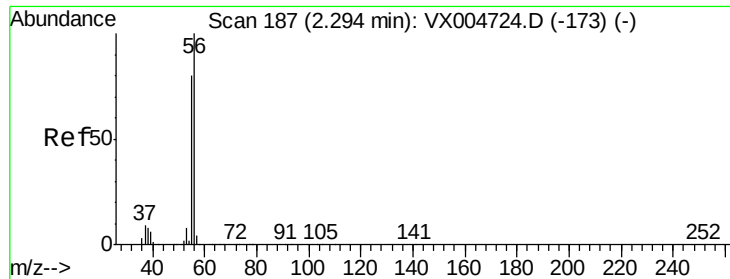
Tgt Ion: 59 Resp: 4095

Ion Ratio Lower Upper

59 100

57 1.3 8.6 12.8#

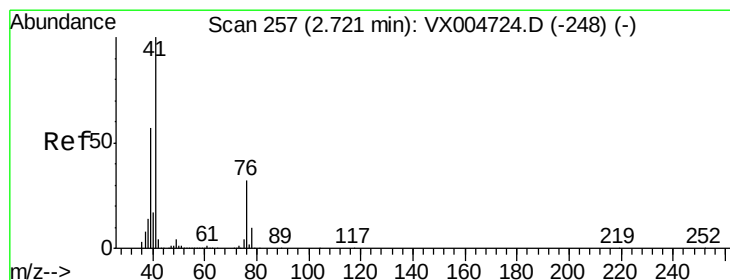
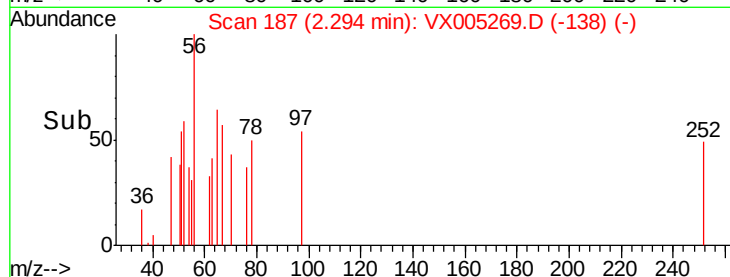
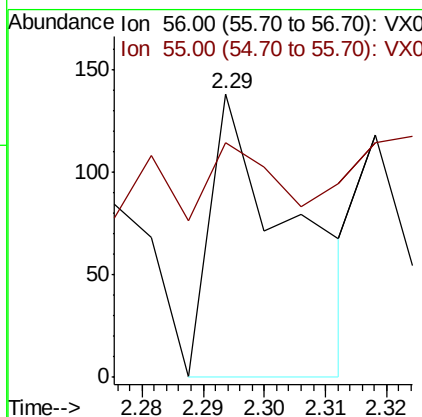
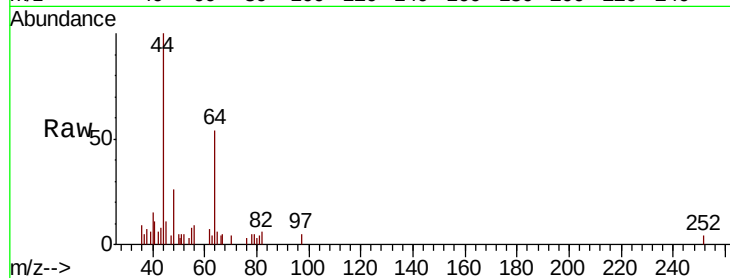




#13
 Acrolein
 Concen: 0.245 ug/l
 RT: 2.29 min Scan# 187
 Delta R.T. -0.00 min
 Lab File: VX005269.D
 Acq: 11 Oct 2018 22:14

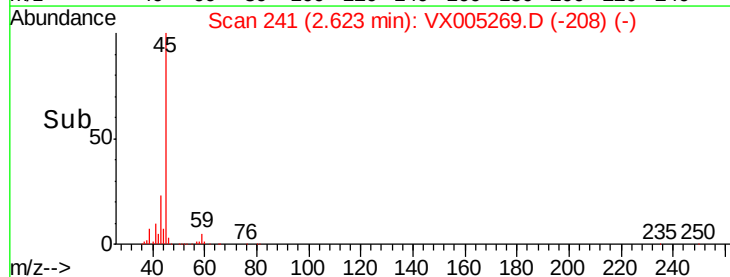
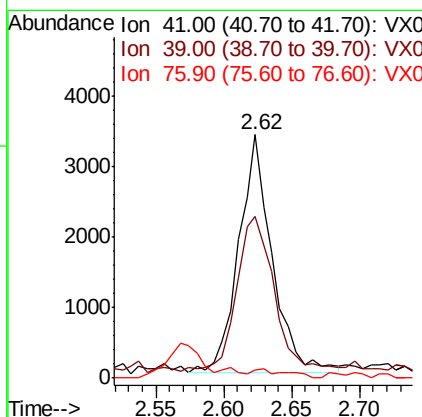
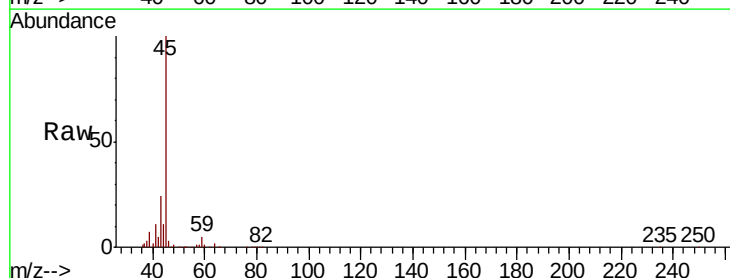
Instrument :
 MSVOA_X
 ClientSampleId :
 RE-123D3-20181008

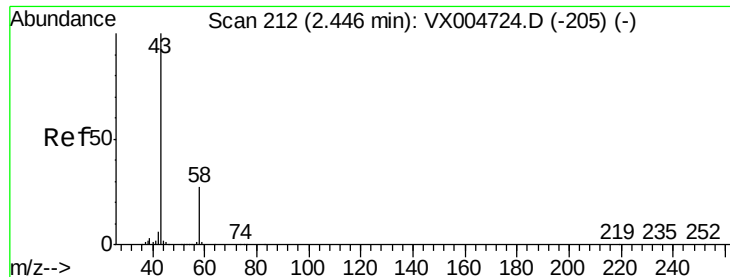
Tot Ion: 56 Resp: 130
 Ion Ratio Lower Upper
 56 100
 55 0.0 63.4 95.2#



#14
 Allyl chloride
 Concen: 1.302 ug/l
 RT: 2.62 min Scan# 241
 Delta R.T. -0.10 min
 Lab File: VX005269.D
 Acq: 11 Oct 2018 22:14

Tgt Ion: 41 Resp: 5742
 Ion Ratio Lower Upper
 41 100
 39 73.6 44.1 66.1#
 76 0.8 25.0 37.4#





#16

Acetone

Concen: 1.523 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005269.D

Acq: 11 Oct 2018 22:14

Instrument :

MSVOA_X

ClientSampleId :

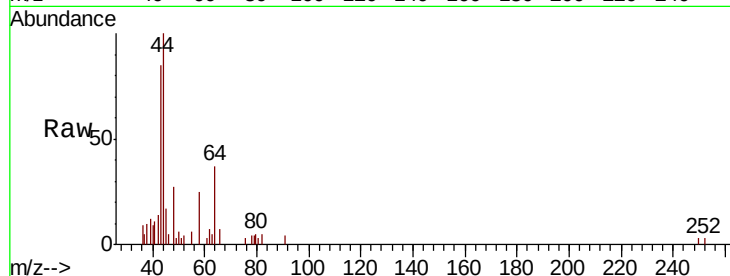
RE-123D3-20181008

Tot Ion: 43 Resp: 2369

Ion Ratio Lower Upper

43 100

58 31.3 21.8 32.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

1500

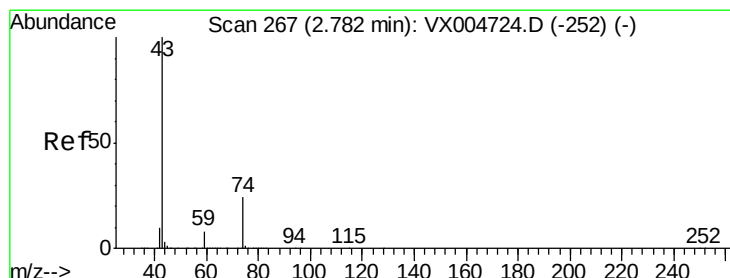
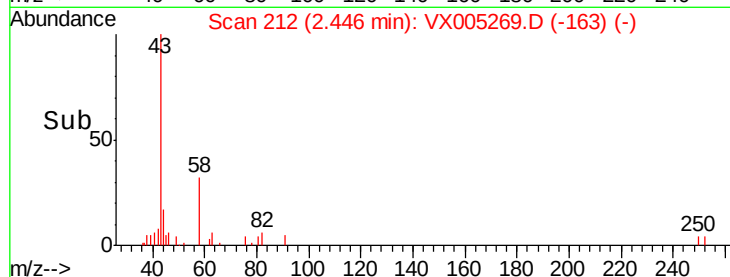
1000

500

0

Time-->

2.35 2.40 2.45 2.50



#18

Methyl Acetate

Concen: 0.221 ug/l

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005269.D

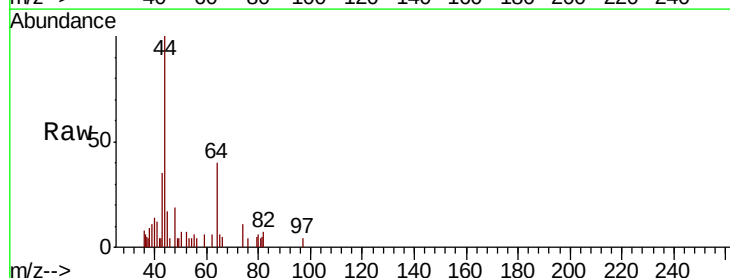
Acq: 11 Oct 2018 22:14

Tgt Ion: 43 Resp: 870

Ion Ratio Lower Upper

43 100

74 30.3 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

500

400

300

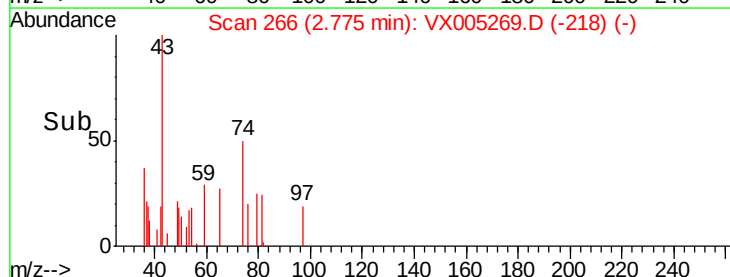
200

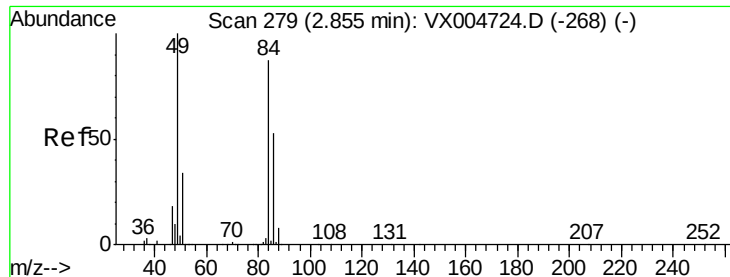
100

0

Time-->

2.70 2.75 2.80 2.85

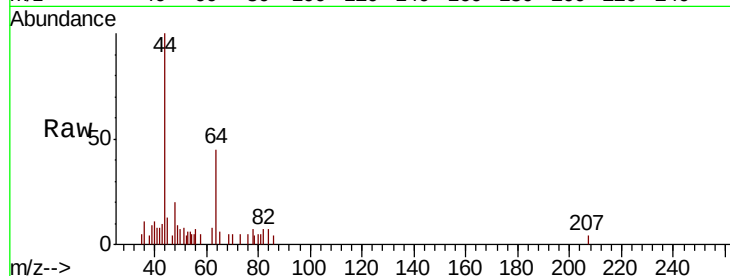




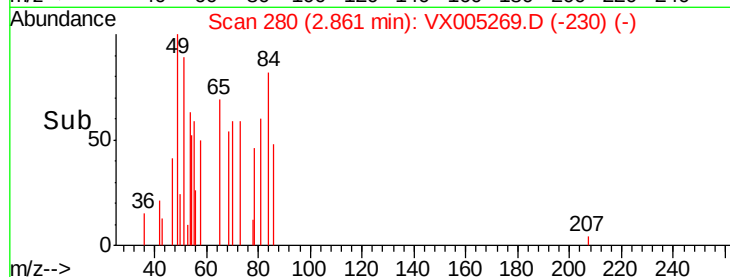
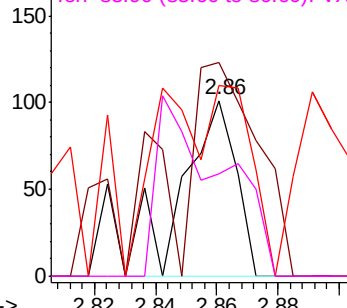
#20
Methylene Chloride
Concen: Below Cal
RT: 2.86 min Scan# 280
Delta R.T. 0.01 min
Lab File: VX005269.D
Acq: 11 Oct 2018 22:14

Instrument :
MSVOA_X
ClientSampleId :
RE-123D3-20181008

Tot Ion: 84 Resp: 124
Ion Ratio Lower Upper
84 100
49 121.8 92.3 138.5
51 108.9 31.8 47.6#
86 58.4 48.5 72.7

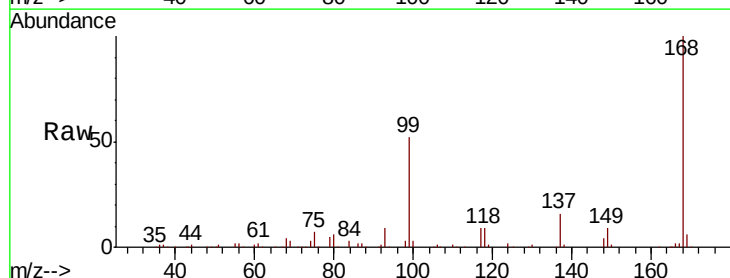
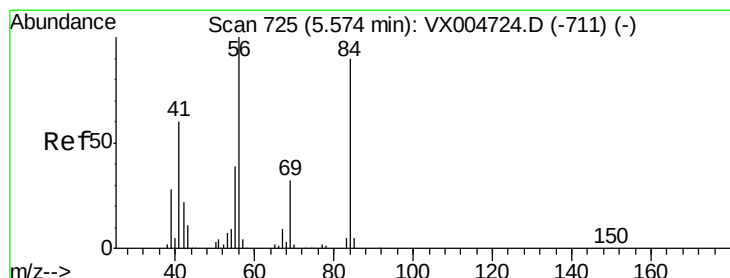


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

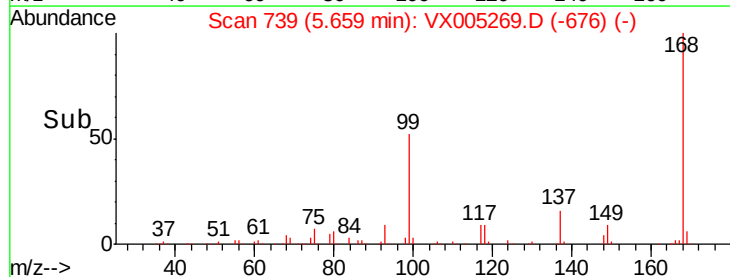
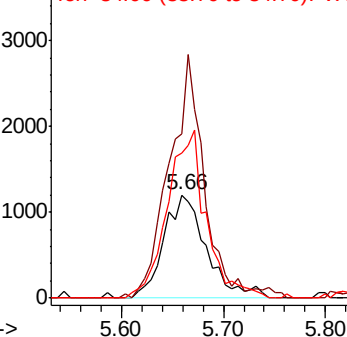


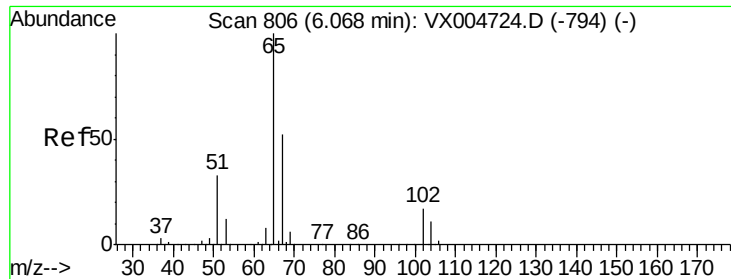
#31
Cyclohexane
Concen: 1.027 ug/l
RT: 5.66 min Scan# 739
Delta R.T. 0.09 min
Lab File: VX005269.D
Acq: 11 Oct 2018 22:14

Tgt Ion: 56 Resp: 3481
Ion Ratio Lower Upper
56 100
69 155.0 25.9 38.9#
84 140.3 71.9 107.9#



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

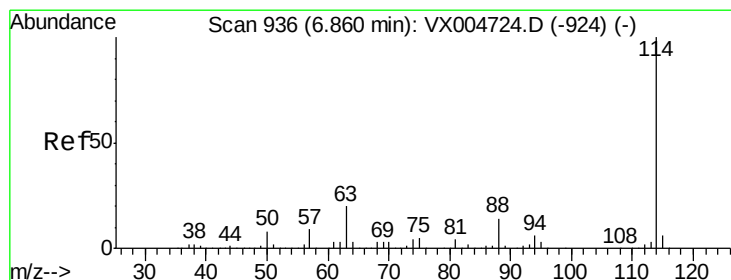
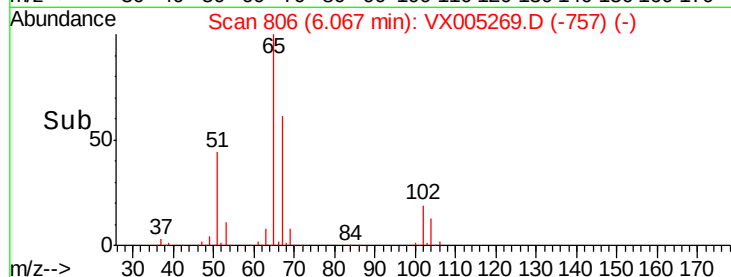
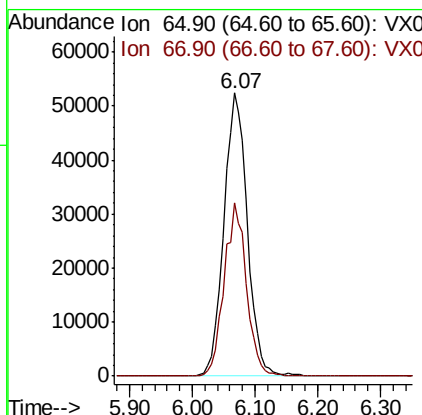
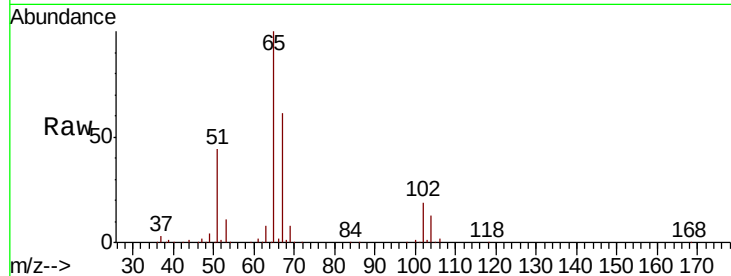




#33
 1,2-Dichloroethane-d4
 Concen: 50.853 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. -0.00 min
 Lab File: VX005269.D
 Acq: 11 Oct 2018 22:14

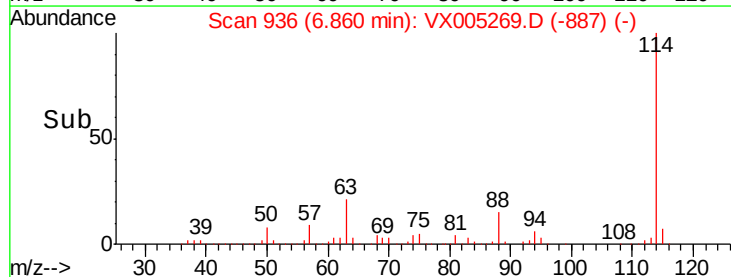
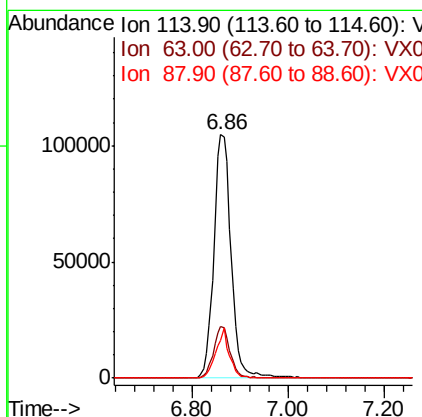
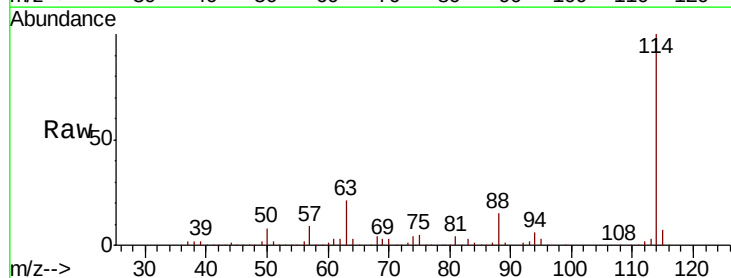
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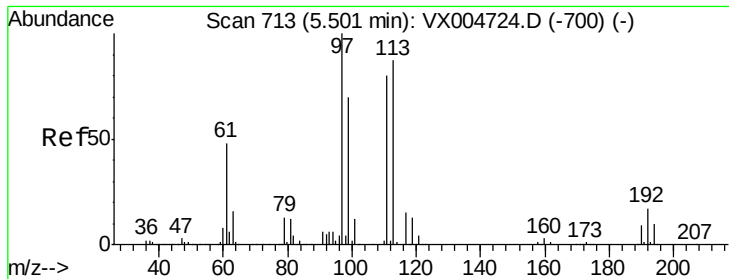
Tot Ion: 65 Resp: 135524
 Ion Ratio Lower Upper
 65 100
 67 58.1 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005269.D
 Acq: 11 Oct 2018 22:14

Tgt Ion: 114 Resp: 263745
 Ion Ratio Lower Upper
 114 100
 63 21.2 0.0 39.8
 88 15.5 0.0 27.0

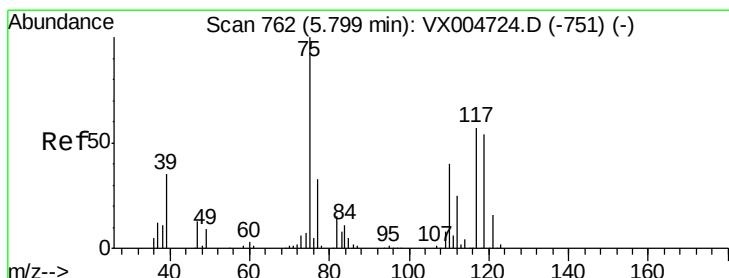
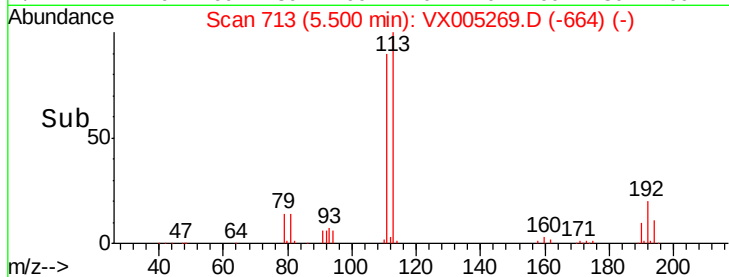
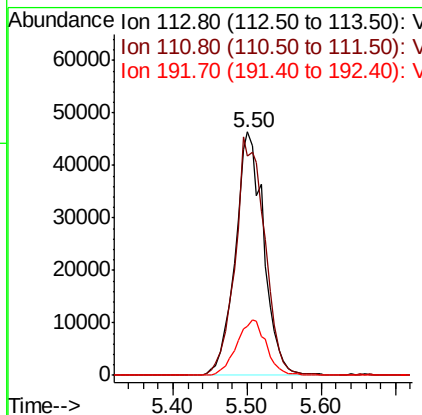
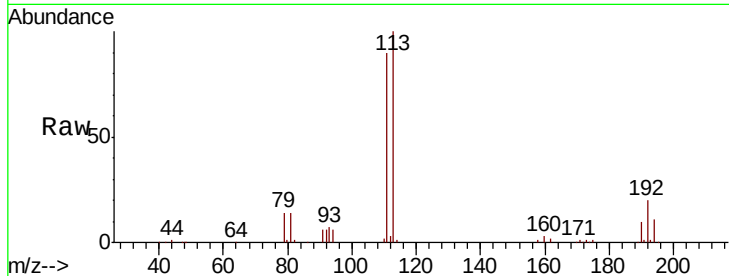




#35
 Dibromofluoromethane
 Concen: 55.642 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005269.D
 Acq: 11 Oct 2018 22:14

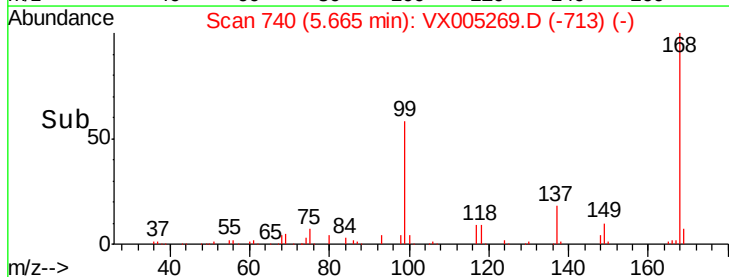
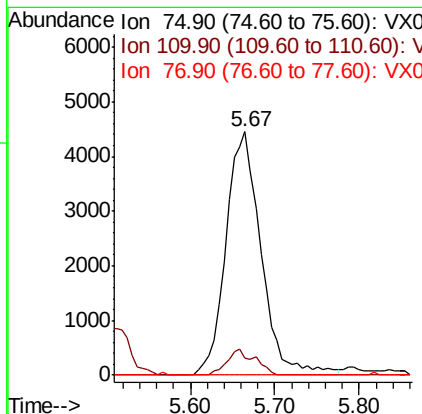
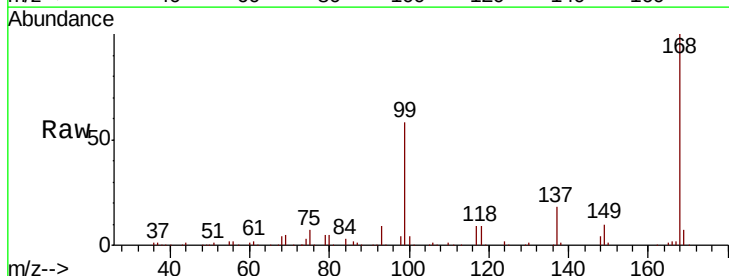
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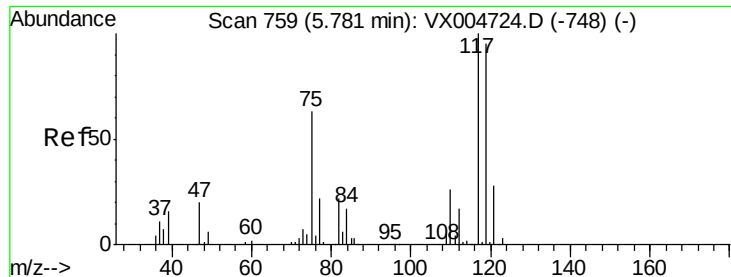
Tot Ion	Ratio	Lower	Upper
113	100		
111	100.9	77.0	115.4
192	23.6	17.0	25.6



#36
 1,1-Dichloropropene
 Concen: 4.139 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005269.D
 Acq: 11 Oct 2018 22:14

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.5	20.0	59.9#
77	0.0	27.1	40.7#





#38

Carbon Tetrachloride

Concen: 5.202 ug/l

RT: 5.65 min Scan# 738

Delta R.T. -0.13 min

Lab File: VX005269.D

Acq: 11 Oct 2018 22:14

Instrument :

MSVOA_X

ClientSampleId :

RE-123D3-20181008

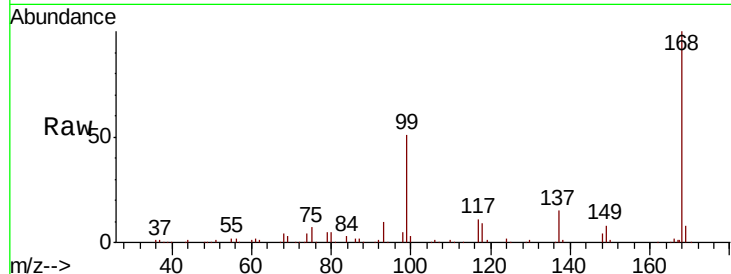
Tot Ion:117 Resp: 16677

Ion Ratio Lower Upper

117 100

119 7.0 75.2 112.8#

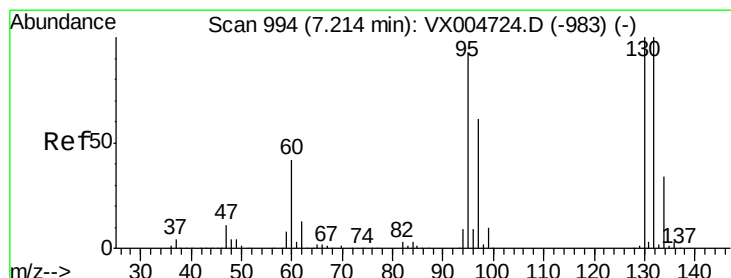
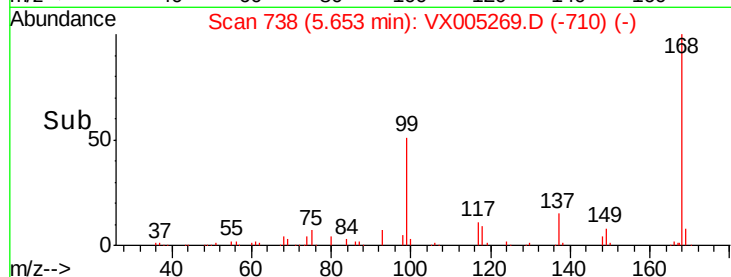
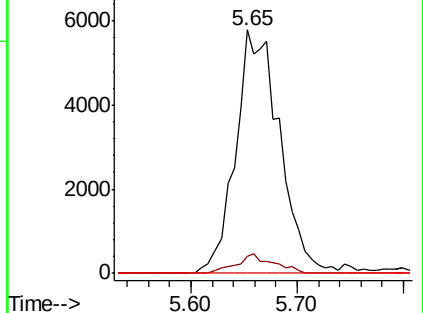
121 0.0 22.5 33.7#



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: 0.483 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX005269.D

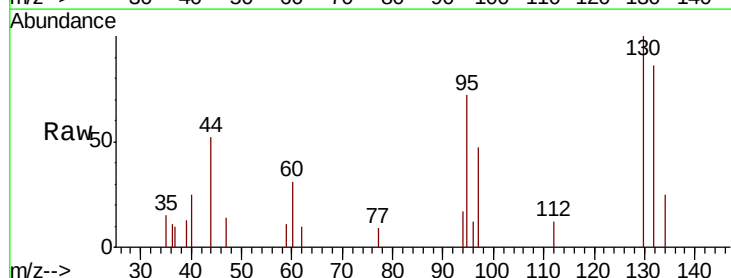
Acq: 11 Oct 2018 22:14

Tgt Ion:130 Resp: 1134

Ion Ratio Lower Upper

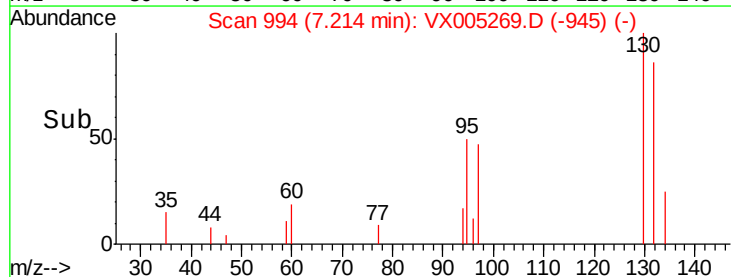
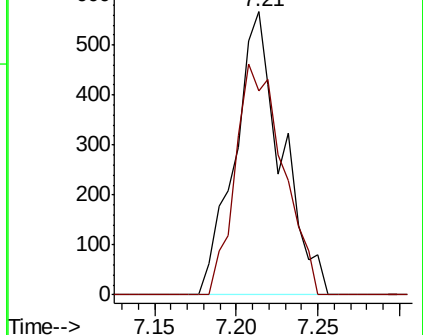
130 100

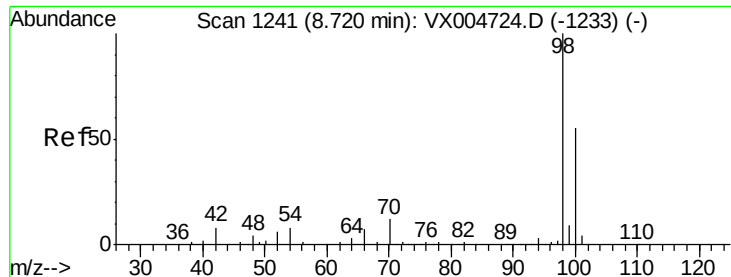
95 72.1 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

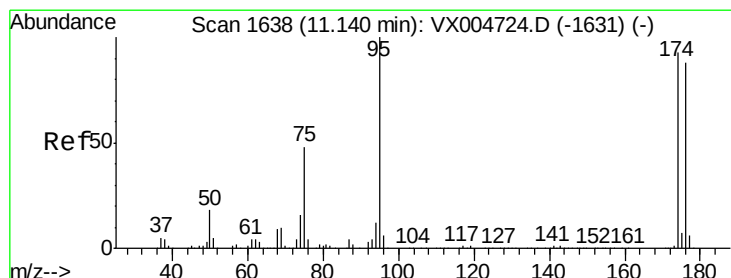
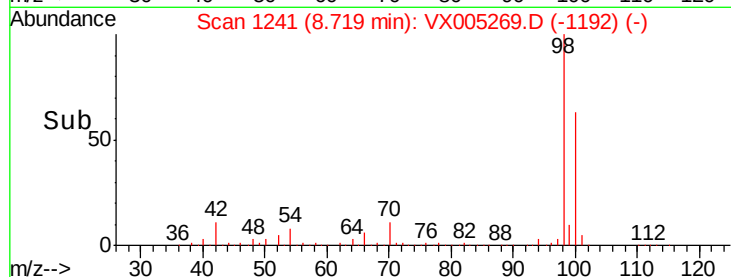
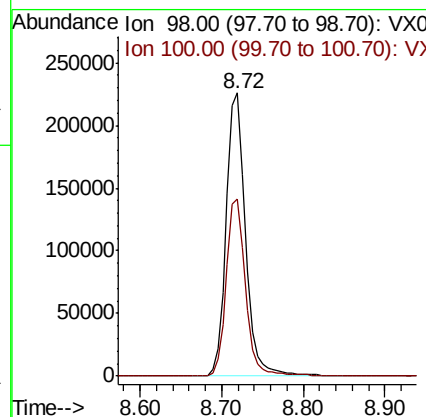
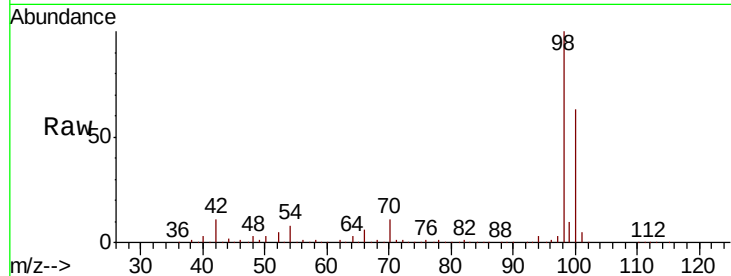




#50
Toluene-d8
Concen: 50.358 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005269.D
Acq: 11 Oct 2018 22:14

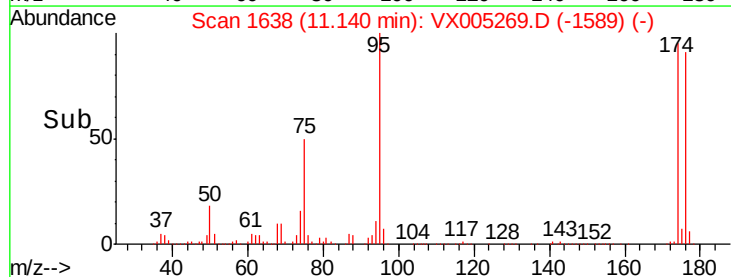
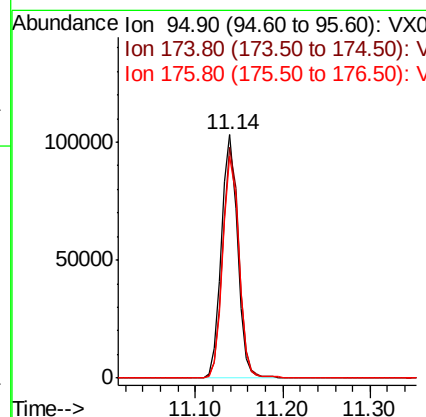
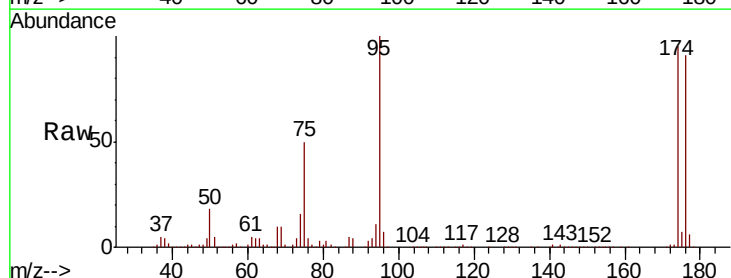
Instrument :
MSVOA_X
ClientSampleId :
RE-123D3-20181008

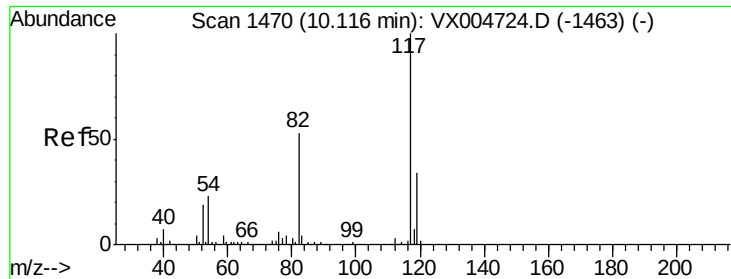
Tot Ion: 98 Resp: 374219
Ion Ratio Lower Upper
98 100
100 62.7 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 49.069 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005269.D
Acq: 11 Oct 2018 22:14

Tgt Ion: 95 Resp: 131363
Ion Ratio Lower Upper
95 100
174 94.9 0.0 185.0
176 91.4 0.0 180.2

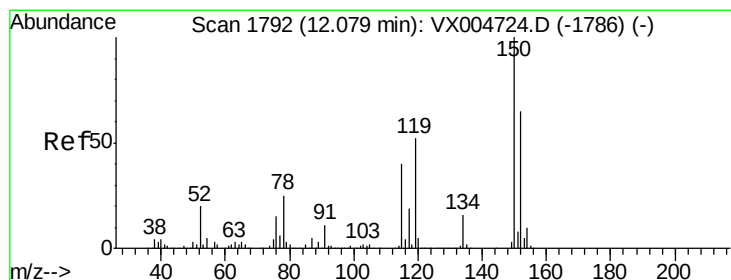
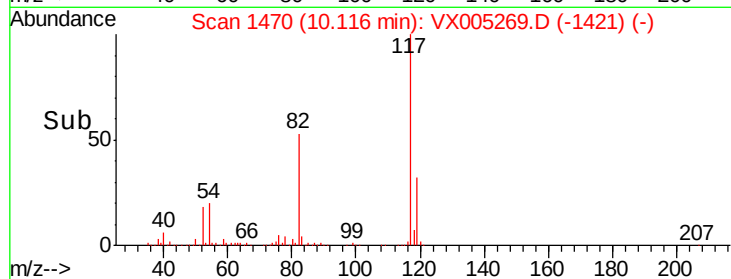
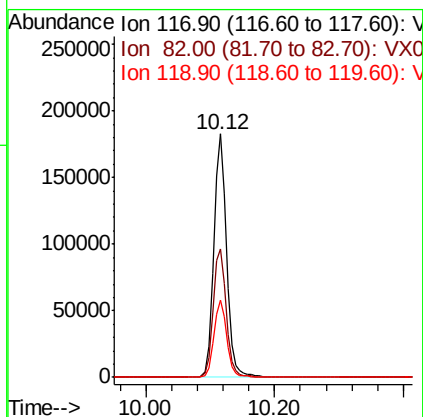
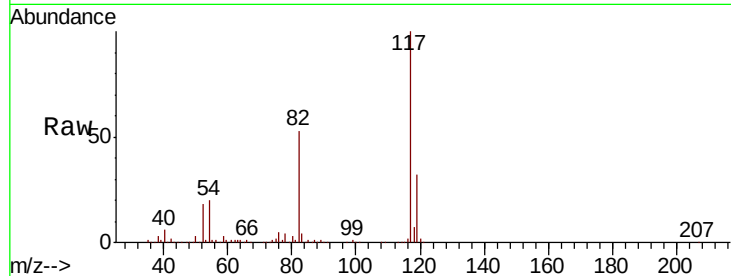




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005269.D
Acq: 11 Oct 2018 22:14

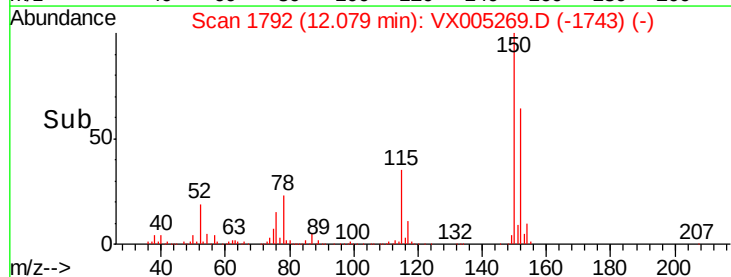
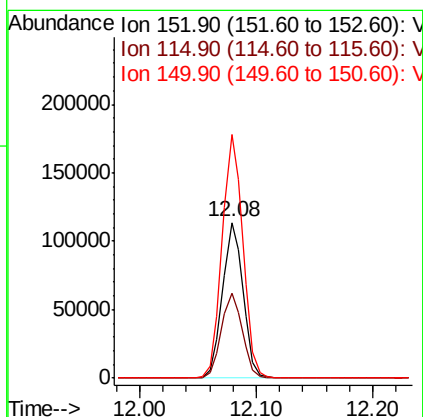
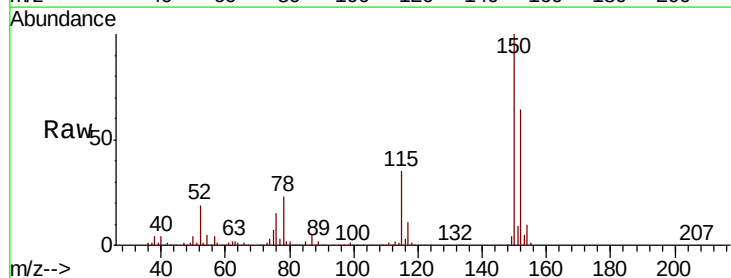
Instrument :
MSVOA_X
ClientSampleId :
RE-123D3-20181008

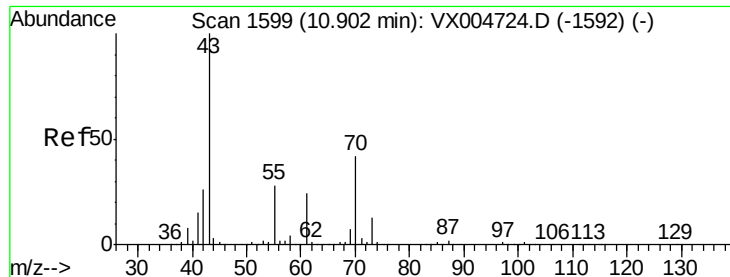
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.8	42.2	63.4
119	31.9	27.4	41.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005269.D
Acq: 11 Oct 2018 22:14

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.3	40.2	120.6
150	157.5	0.0	351.0





#74

N-amvl acetate

Concen: 1.752 ug/l

RT: 10.91 min Scan# 1601

Delta R.T. 0.01 min

Lab File: VX005269.D

Acq: 11 Oct 2018 22:14

Instrument :

MSVOA_X

ClientSampleId :

RE-123D3-20181008

Tot Ion: 43 Resp: 19

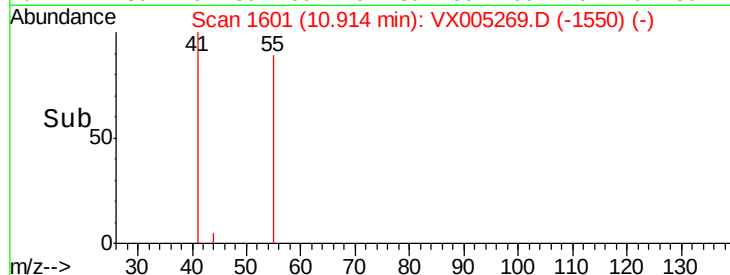
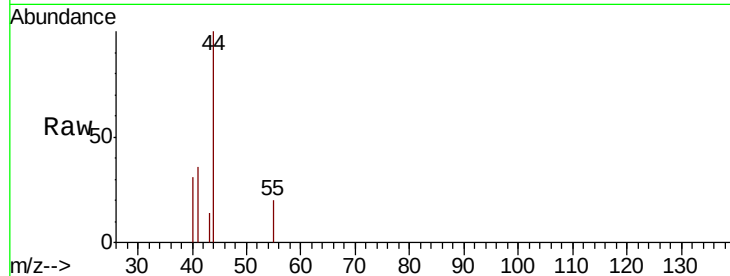
Ion Ratio Lower Upper

43 100

70 0.0 32.6 48.8#

55 284.2 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

100

80

60

40

20

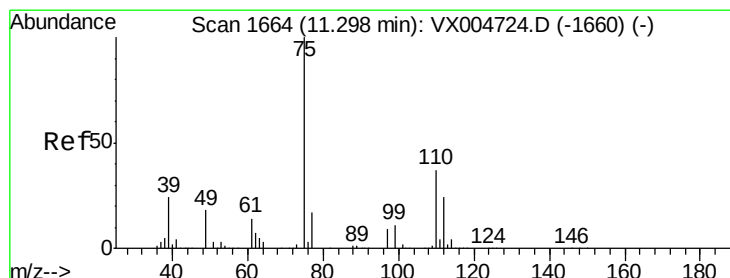
0

10.90

10.91

10.92

Time-->



#76

1,2,3-Trichloropropane

Concen: 20.603 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005269.D

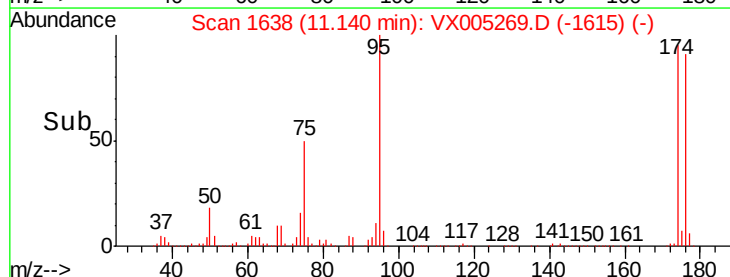
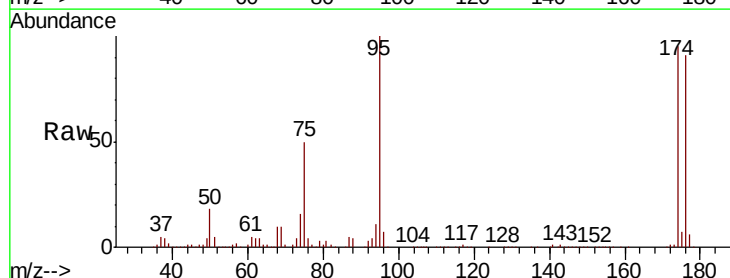
Acq: 11 Oct 2018 22:14

Tgt Ion: 75 Resp: 64113

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

60000

50000

40000

30000

20000

10000

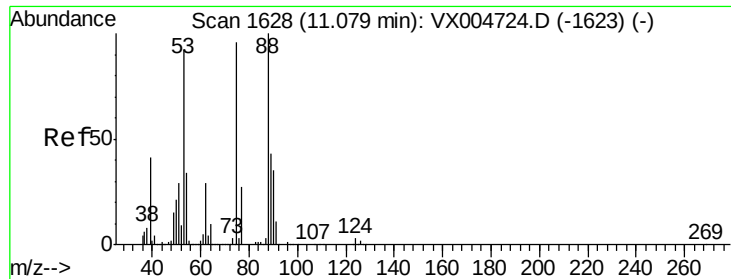
0

11.10

11.14

11.20

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 55.947 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005269.D

Acq: 11 Oct 2018 22:14

Instrument :

MSVOA_X

ClientSampleId :

RE-123D3-20181008

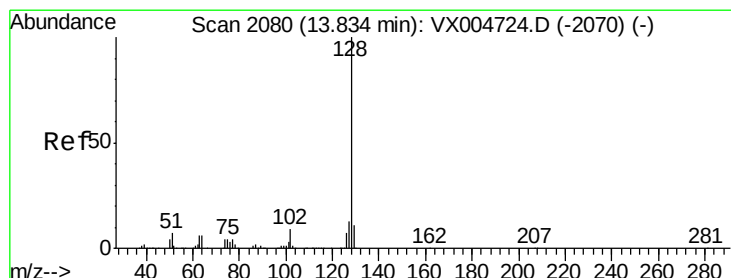
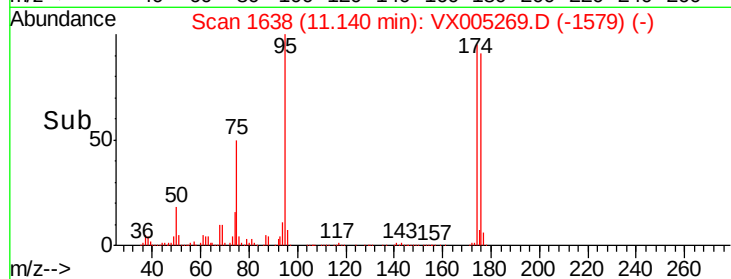
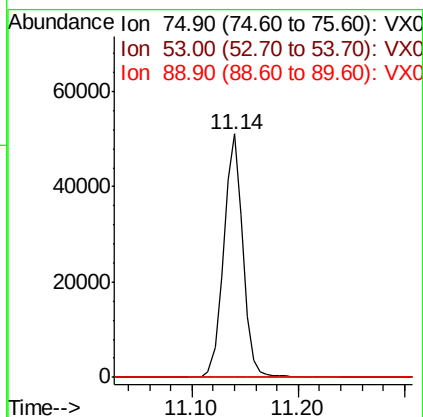
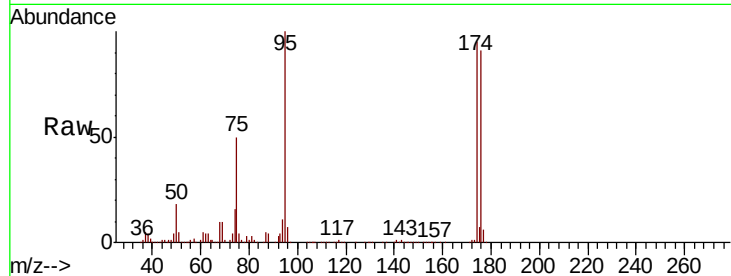
Tot Ion: 75 Resp: 64113

Ion Ratio Lower Upper

75 100

53 0.4 80.2 120.4#

89 0.0 37.1 55.7#



#95

Naphthalene

Concen: 0.743 ug/l

RT: 13.84 min Scan# 2081

Delta R.T. 0.01 min

Lab File: VX005269.D

Acq: 11 Oct 2018 22:14

Tgt Ion: 128 Resp: 276

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 8.7 13.1#

