

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101018\
 Data File : VX005234.D
 Acq On : 11 Oct 2018 05:24
 Operator : JC/MD
 Sample : J5284-10DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-103D3-20181003DL

Quant Time: Oct 11 08:09:05 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	172028	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	265195	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	267230	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	149102	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	132832	54.05	ug/l	0.00
Spiked Amount			Recovery	=	108.10%	
35) Dibromofluoromethane	5.51	113	110875	49.33	ug/l	0.00
Spiked Amount			Recovery	=	98.66%	
50) Toluene-d8	8.72	98	389562	52.14	ug/l	0.00
Spiked Amount			Recovery	=	104.28%	
62) 4-Bromofluorobenzene	11.14	95	137347	51.02	ug/l	0.00
Spiked Amount			Recovery	=	102.04%	

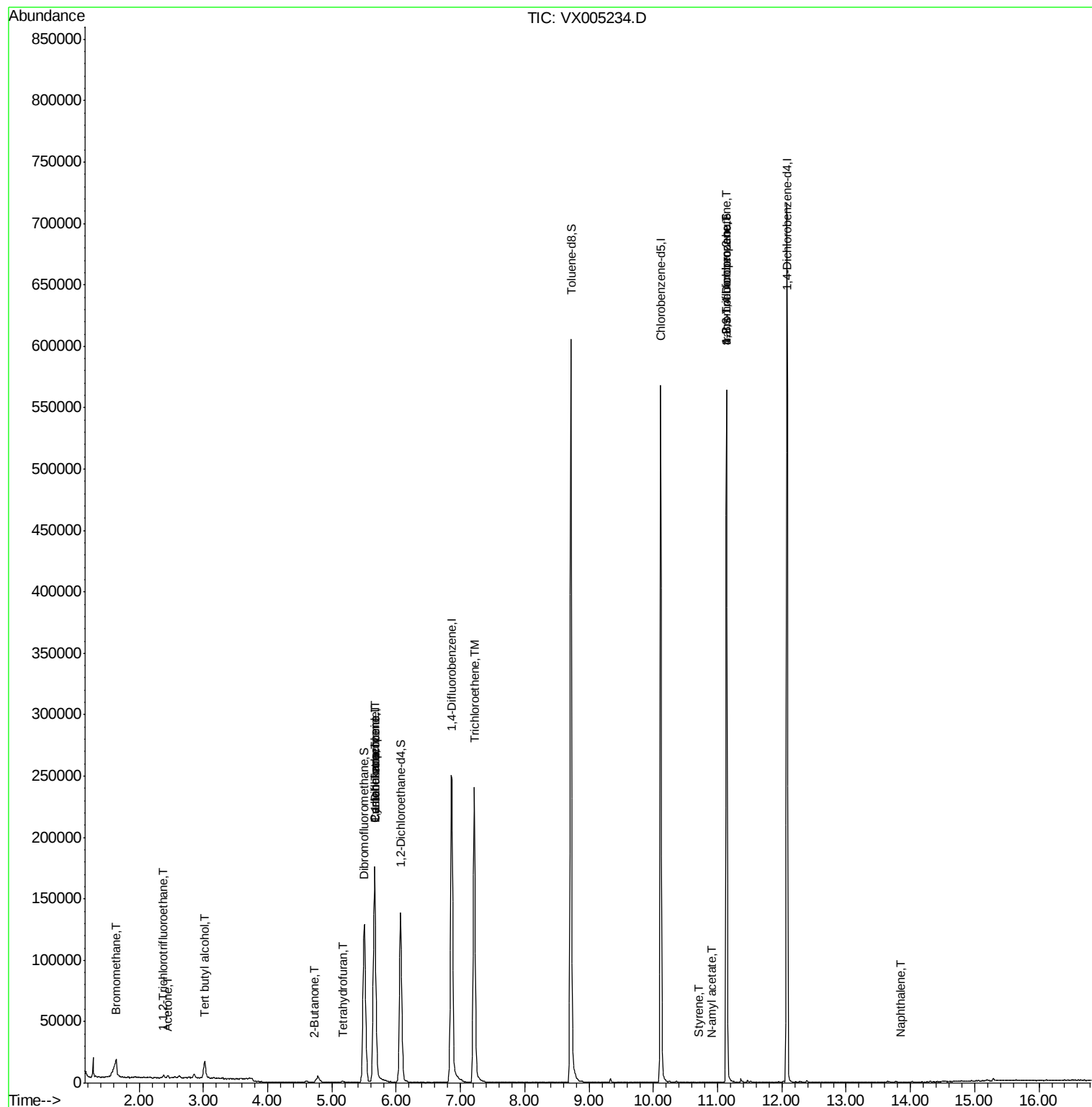
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	933	0.590	ug/l #	80
6) Chloroethane	1.68	64	116	Below Cal	#	45
9) 1,1,2-Trichlorotrifluoroet	2.37	101	548	0.291	ug/l	93
11) Tert butyl alcohol	3.02	59	8499	12.369	ug/l #	81
16) Acetone	2.44	43	1408	0.981	ug/l	95
20) Methylene Chloride	2.85	84	1300	Below Cal	#	85
25) 2-Butanone	4.72	43	465	0.220	ug/l #	49
29) Tetrahydrofuran	5.17	42	465	0.354	ug/l #	68
31) Cyclohexane	5.66	56	3348	1.071	ug/l #	13
36) 1,1-Dichloropropene	5.67	75	12022	3.920	ug/l #	46
38) Carbon Tetrachloride	5.66	117	14973	4.645	ug/l #	19
44) Trichloroethene	7.21	130	98823	41.873	ug/l	97
70) Styrene	10.71	104	89	2.152	ug/l	98
74) N-amyl acetate	10.91	43	27	1.753	ug/l #	43
76) 1,2,3-Trichloropropane	11.14	75	68693	20.555	ug/l #	35
80) 1,3,5-Trimethylbenzene	11.51	105	190	Below Cal		81
81) trans-1,4-Dichloro-2-buten	11.14	75	68693	55.820	ug/l #	10
84) 1,2,4-Trimethylbenzene	11.81	105	263	Below Cal		91
95) Naphthalene	13.83	128	388	0.750	ug/l #	69

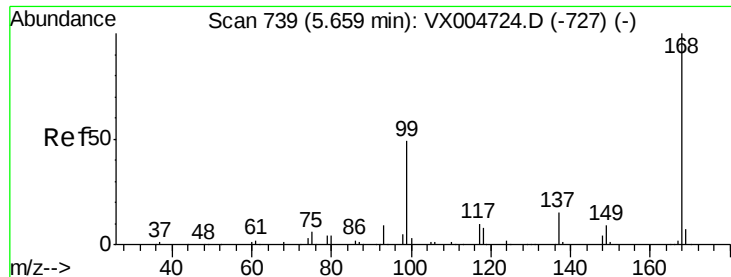
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX005234.D

Acq: 11 Oct 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

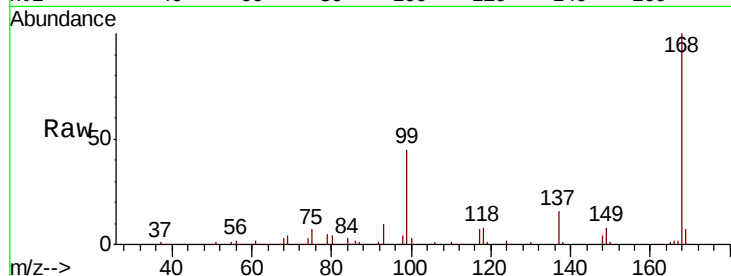
RE-103D3-20181003DL

Tot Ion:168 Resp: 172028

Ion Ratio Lower Upper

168 100

99 45.4 39.3 58.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

60000

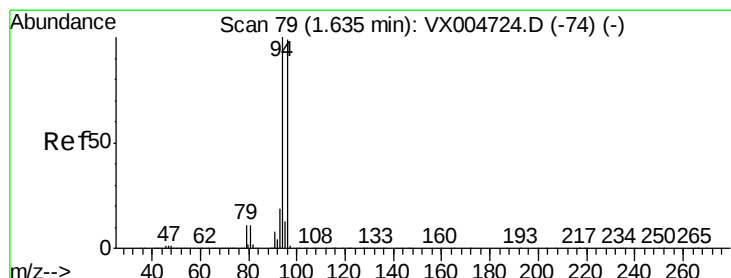
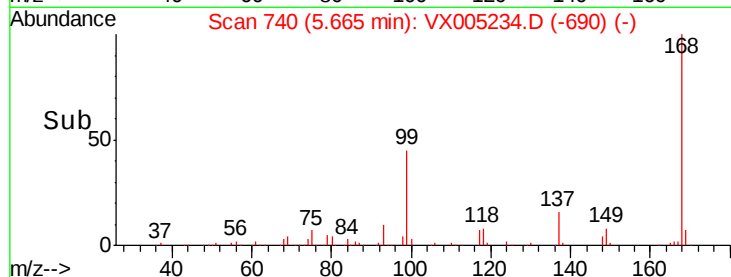
40000

20000

0

Time-->

5.50 5.60 5.70 5.80 5.90



#5

Bromomethane

Concen: 0.590 ug/l

RT: 1.64 min Scan# 79

Delta R.T. 0.00 min

Lab File: VX005234.D

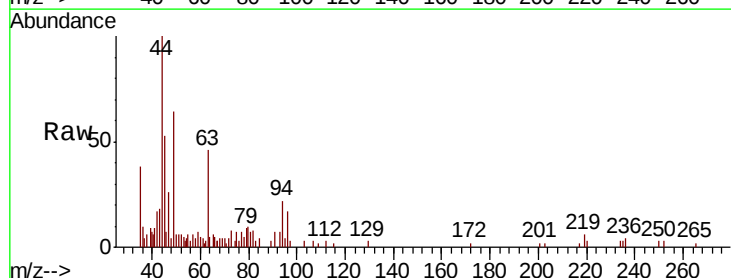
Acq: 11 Oct 2018 05:24

Tgt Ion: 94 Resp: 933

Ion Ratio Lower Upper

94 100

96 79.2 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

600

500

400

300

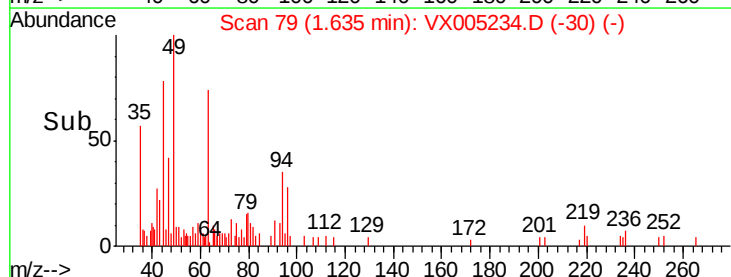
200

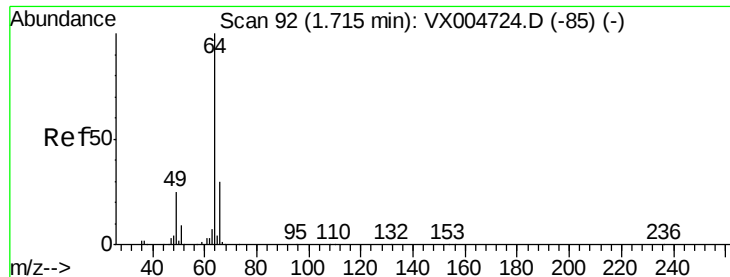
100

0

Time-->

1.60 1.65 1.70





#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 86

Delta R.T. -0.04 min

Lab File: VX005234.D

Acq: 11 Oct 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

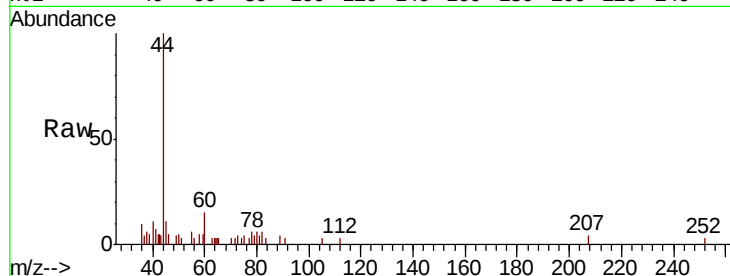
RE-103D3-20181003DL

Tot Ion: 64 Resp: 116

Ion Ratio Lower Upper

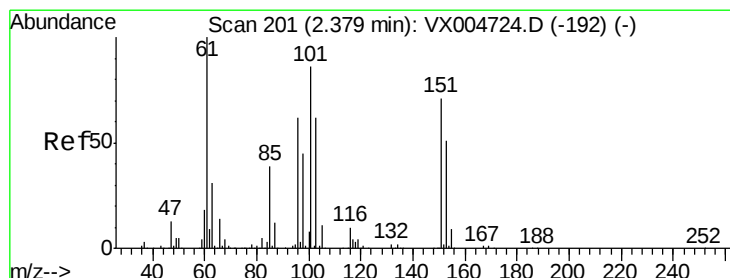
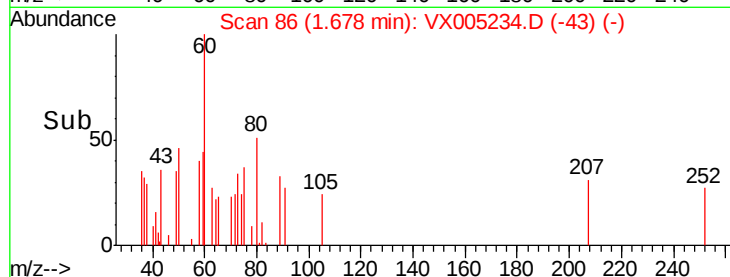
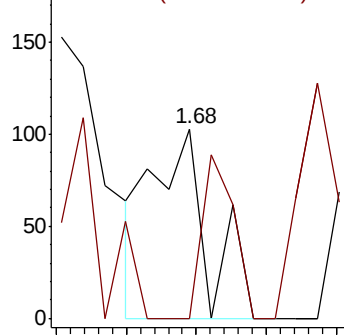
64 100

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



#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.291 ug/l

RT: 2.37 min Scan# 200

Delta R.T. -0.01 min

Lab File: VX005234.D

Acq: 11 Oct 2018 05:24

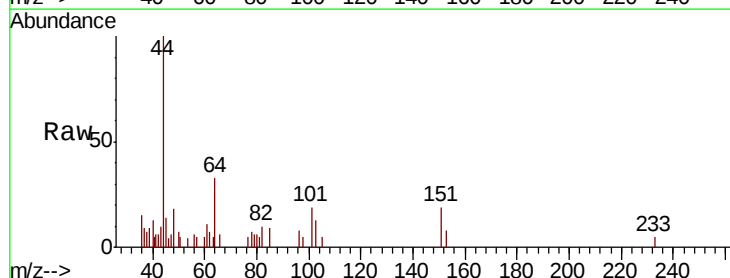
Tgt Ion:101 Resp: 548

Ion Ratio Lower Upper

101 100

85 50.7 35.9 53.9

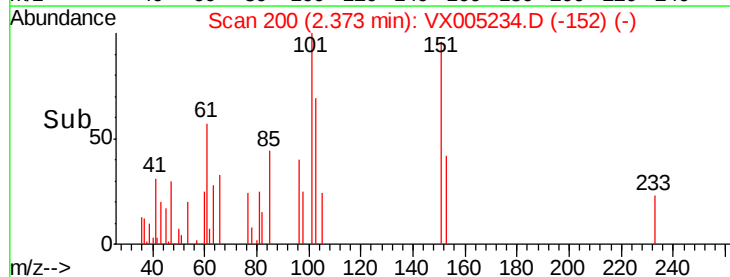
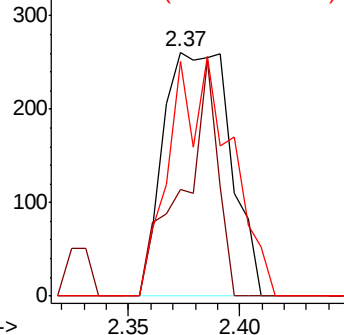
151 88.1 66.6 100.0

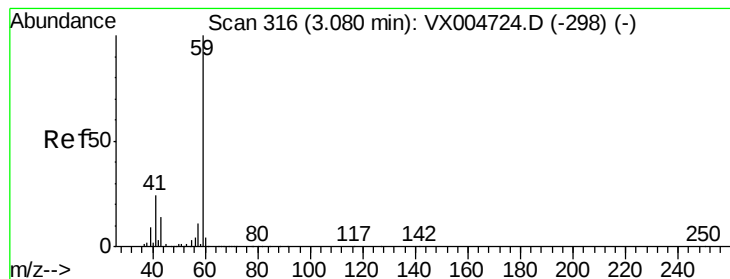


Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VX0

Ion 150.80 (150.50 to 151.50): V



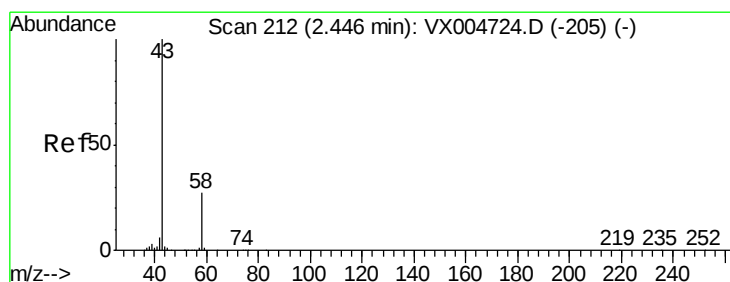
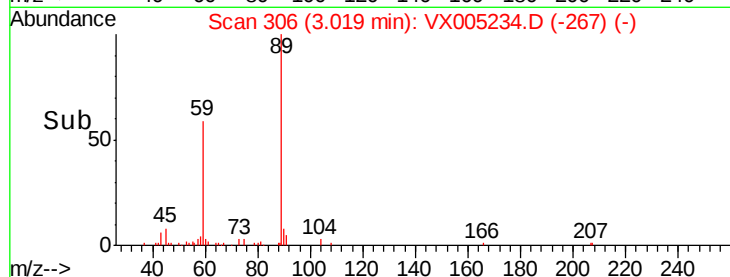
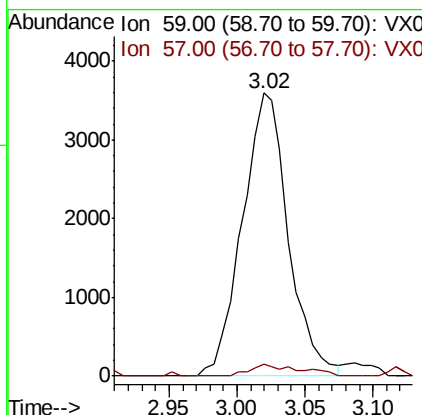
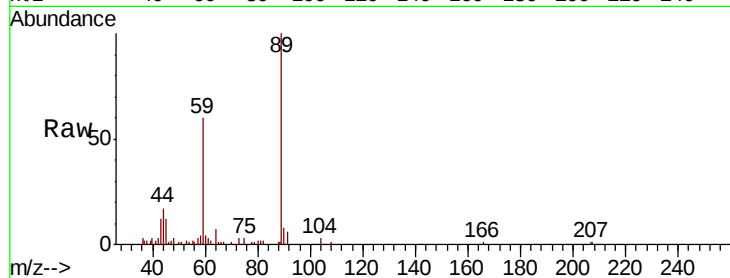


#11

Tert butyl alcohol
 Concen: 12.369 ug/l
 RT: 3.02 min Scan# 306
 Delta R.T. -0.06 min
 Lab File: VX005234.D
 Acq: 11 Oct 2018 05:24

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-103D3-20181003DL

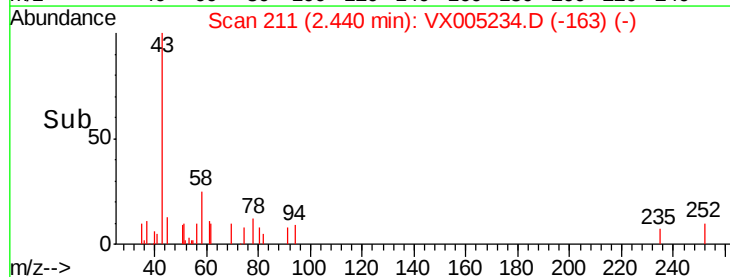
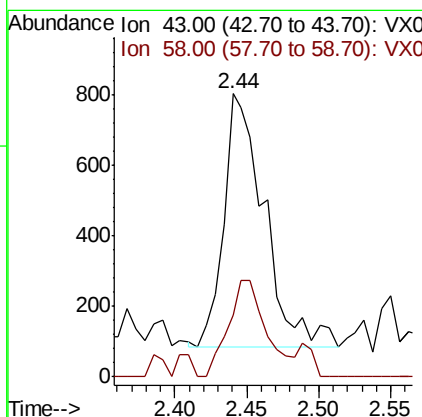
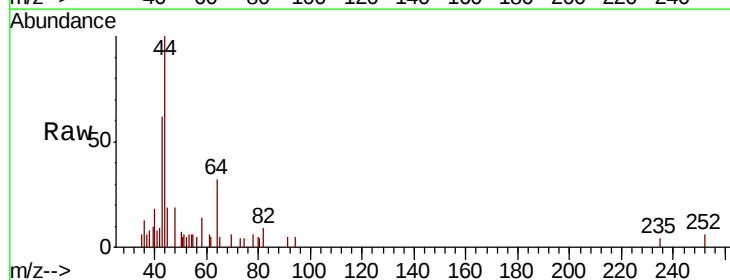
Tot Ion: 59 Resp: 8499
 Ion Ratio Lower Upper
 59 100
 57 3.7 8.6 12.8#

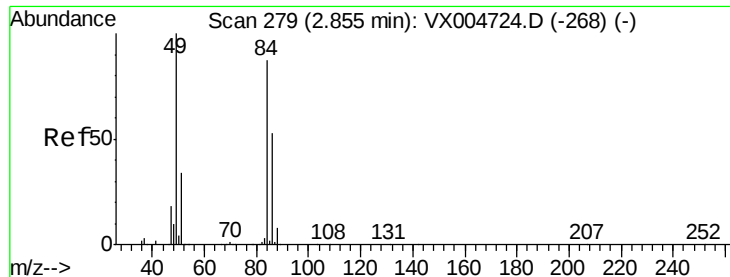


#16

Acetone
 Concen: 0.981 ug/l
 RT: 2.44 min Scan# 211
 Delta R.T. -0.01 min
 Lab File: VX005234.D
 Acq: 11 Oct 2018 05:24

Tgt Ion: 43 Resp: 1408
 Ion Ratio Lower Upper
 43 100
 58 24.4 21.8 32.6

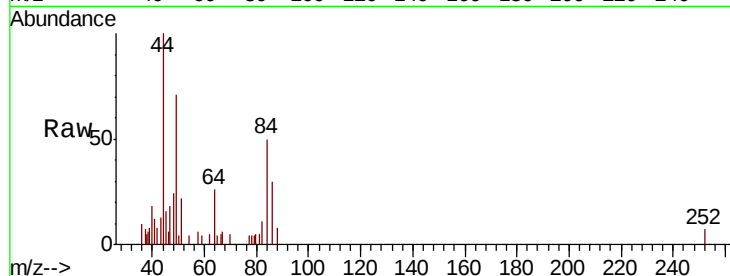




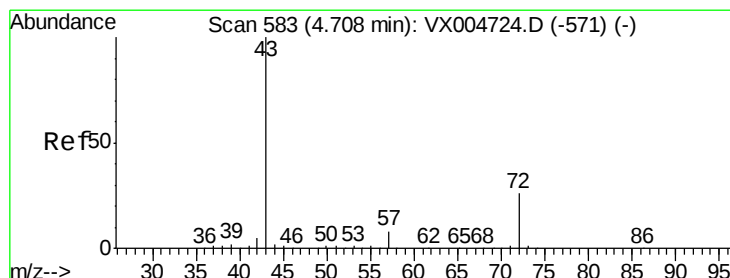
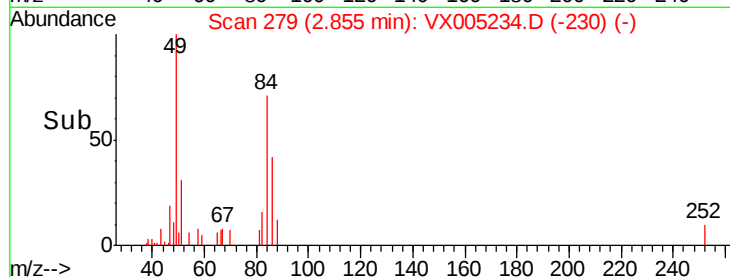
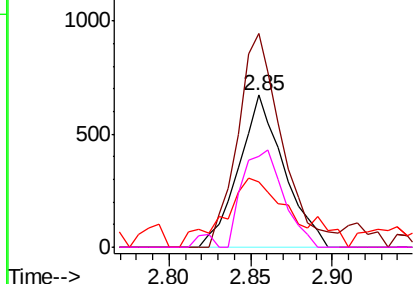
#20
Methvlene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. -0.00 min
Lab File: VX005234.D
Acq: 11 Oct 2018 05:24

Instrument :
MSVOA_X
ClientSampleId :
RE-103D3-20181003DL

Tot Ion: 84 Resp: 1300
Ion Ratio Lower Upper
84 100
49 140.4 92.3 138.5#
51 33.3 31.8 47.6
86 59.6 48.5 72.7

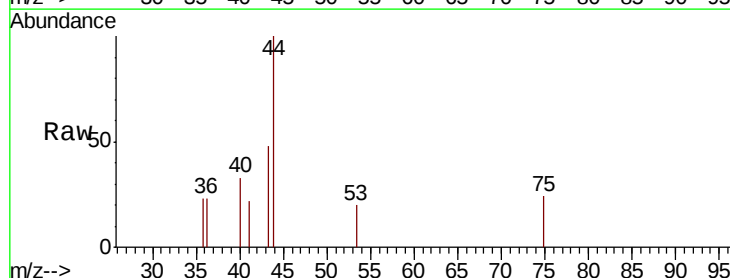


Abundance Ion 83.90 (83.60 to 84.60): VX0
Ion 48.90 (48.60 to 49.60): VX0
Ion 50.90 (50.60 to 51.60): VX0
Ion 85.90 (85.60 to 86.60): VX0

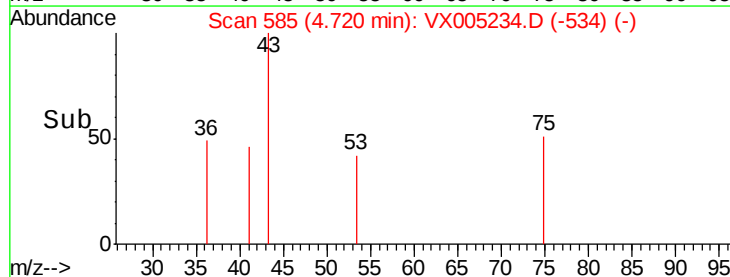
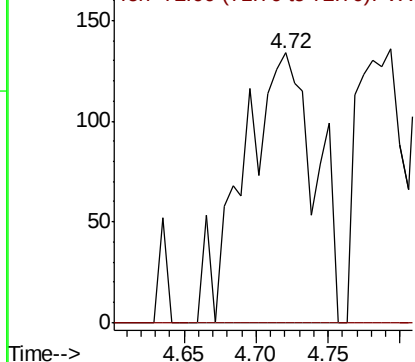


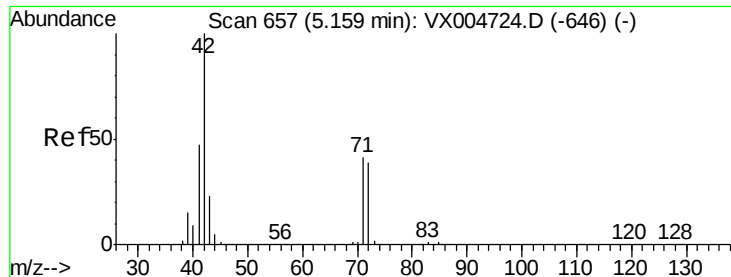
#25
2-Butanone
Concen: 0.220 ug/l
RT: 4.72 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX005234.D
Acq: 11 Oct 2018 05:24

Tgt Ion: 43 Resp: 465
Ion Ratio Lower Upper
43 100
72 0.0 20.8 31.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0
Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.354 ug/l

RT: 5.17 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX005234.D

Acq: 11 Oct 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

RE-103D3-20181003DL

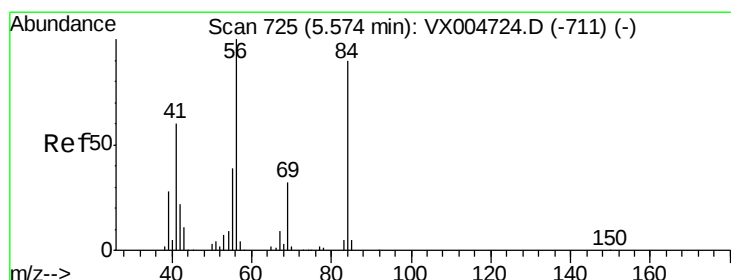
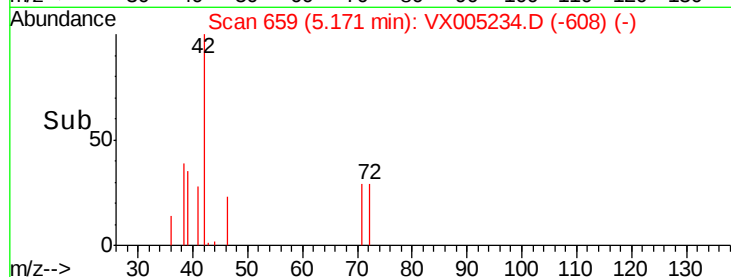
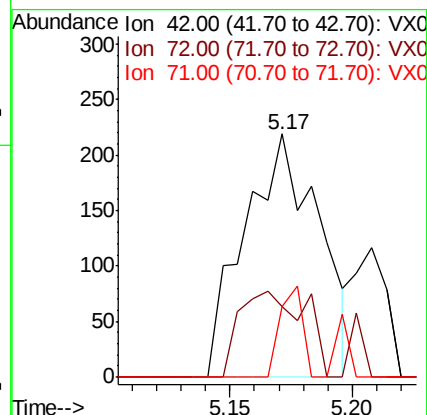
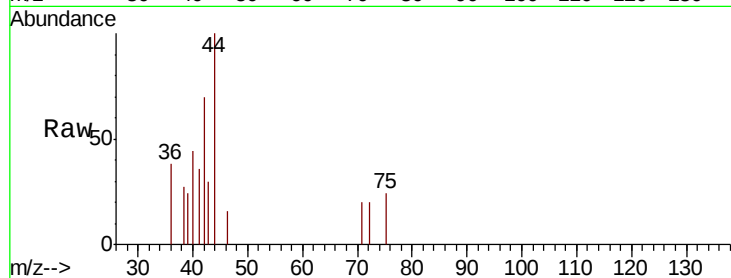
Tot Ion: 42 Resp: 465

Ion Ratio Lower Upper

42 100

72 31.2 33.7 50.5#

71 11.4 32.2 48.4#



#31

Cyclohexane

Concen: 1.071 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005234.D

Acq: 11 Oct 2018 05:24

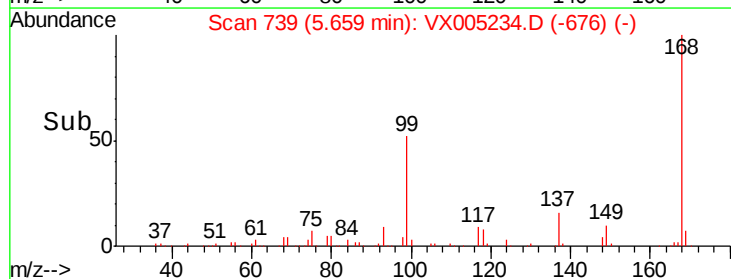
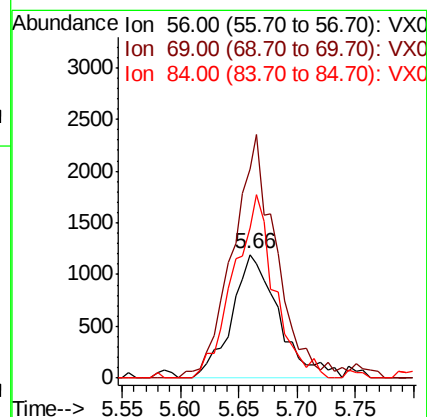
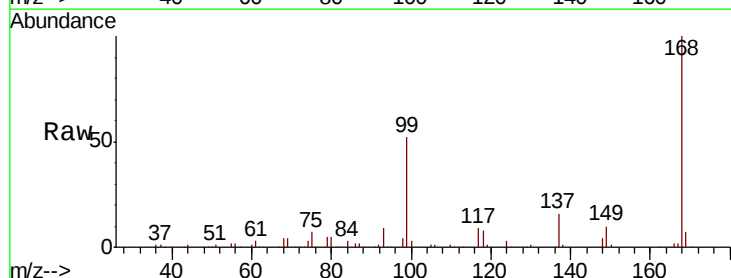
Tgt Ion: 56 Resp: 3348

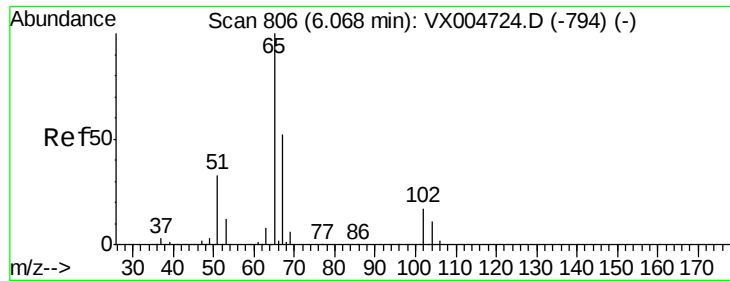
Ion Ratio Lower Upper

56 100

69 163.8 25.9 38.9#

84 121.8 71.9 107.9#





#33

1,2-Dichloroethane-d4

Concen: 54.053 ug/l

RT: 6.07 min Scan# 806

Delta R.T. 0.00 min

Lab File: VX005234.D

Acq: 11 Oct 2018 05:24

Instrument :

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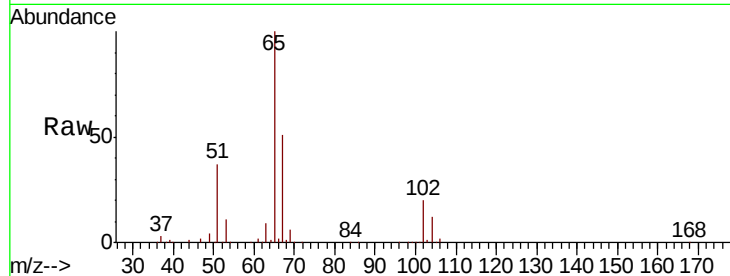
RE-103D3-20181003DL

Tot Ion: 65 Resp: 132832

Ion Ratio Lower Upper

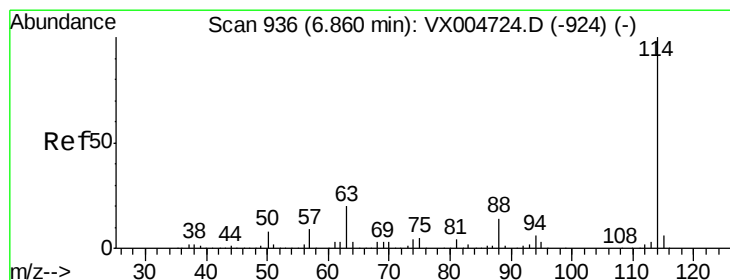
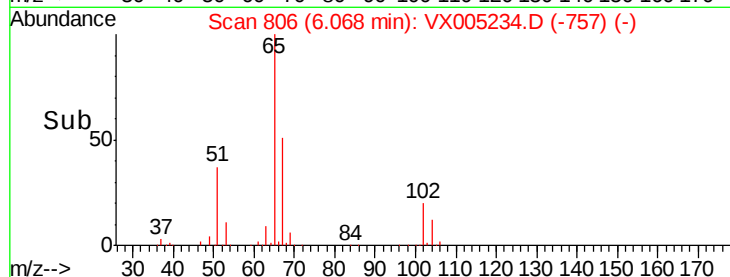
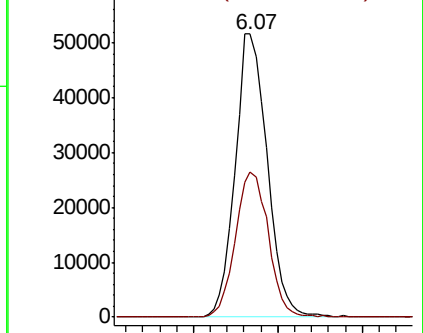
65 100

67 52.5 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: 6.87 min Scan# 937

Delta R.T. 0.01 min

Lab File: VX005234.D

Acq: 11 Oct 2018 05:24

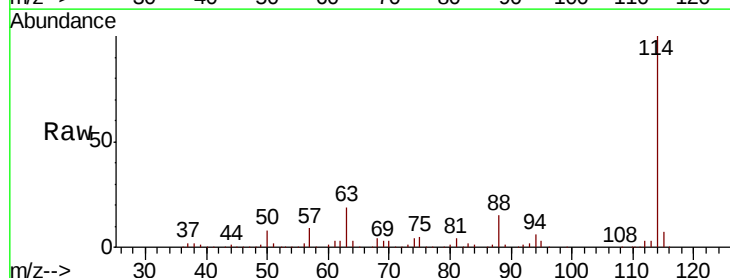
Tgt Ion: 114 Resp: 265195

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.8

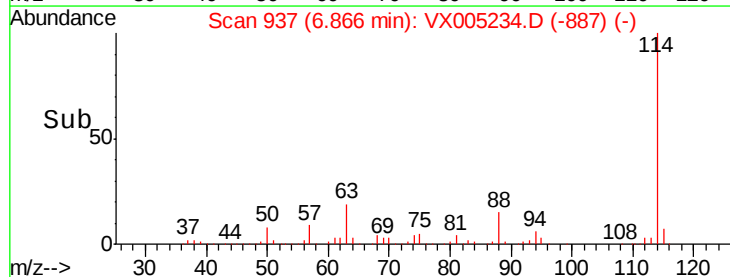
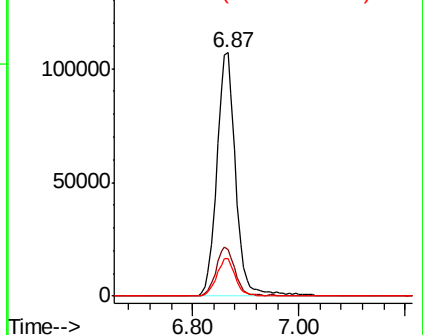
88 15.2 0.0 27.0

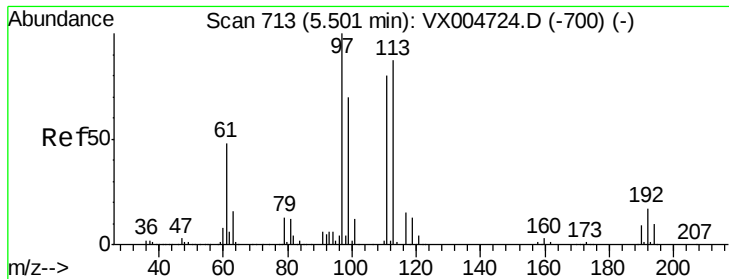


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





#35

Dibromofluoromethane

Concen: 49.331 ug/l

RT: 5.51 min Scan# 714

Delta R.T. 0.01 min

Lab File: VX005234.D

Acq: 11 Oct 2018 05:24

Instrument :

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ClientSampleId :

RE-103D3-20181003DL

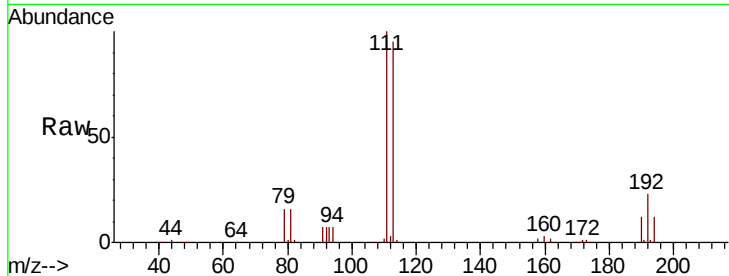
Tot Ion:113 Resp: 110875

Ion Ratio Lower Upper

113 100

111 102.5 77.0 115.4

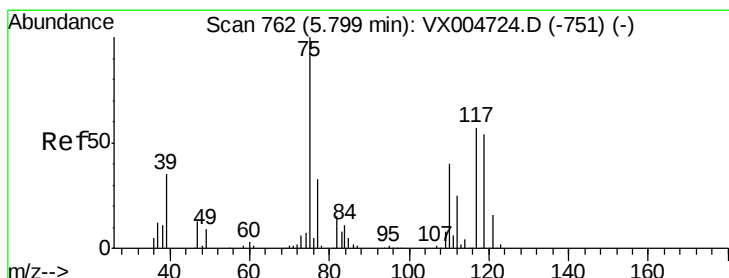
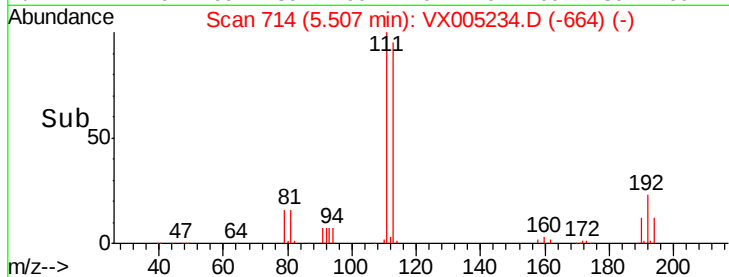
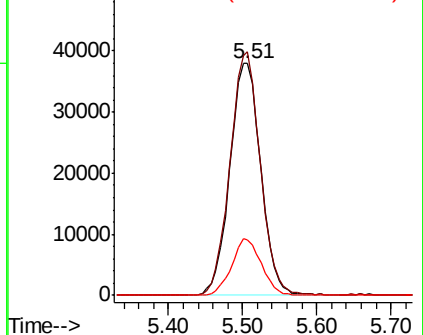
192 23.5 17.0 25.6



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: 3.920 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.13 min

Lab File: VX005234.D

Acq: 11 Oct 2018 05:24

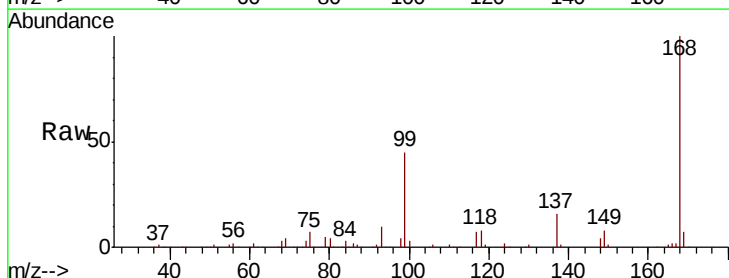
Tgt Ion: 75 Resp: 12022

Ion Ratio Lower Upper

75 100

110 9.3 20.0 59.9#

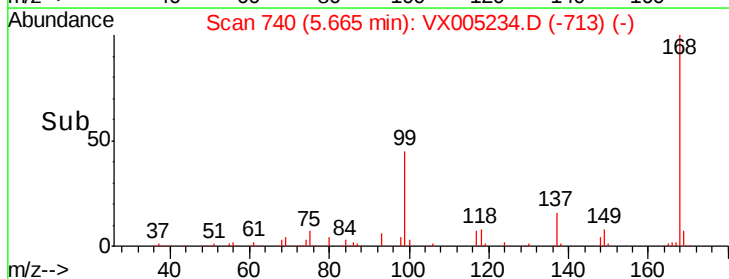
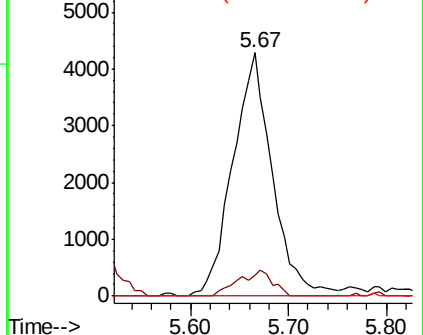
77 0.0 27.1 40.7#

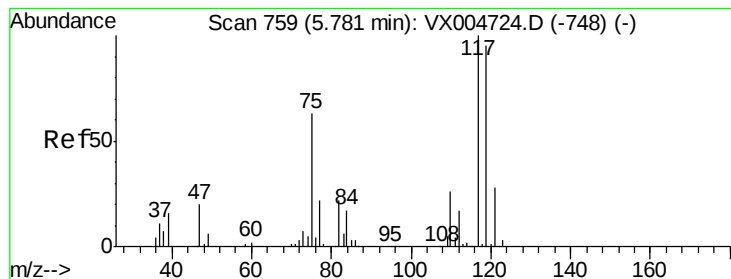


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.645 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.12 min

Lab File: VX005234.D

Acq: 11 Oct 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

RE-103D3-20181003DL

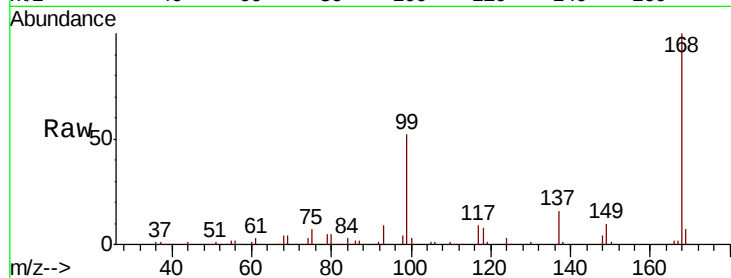
Tot Ion:117 Resp: 14973

Ion Ratio Lower Upper

117 100

119 7.2 75.2 112.8#

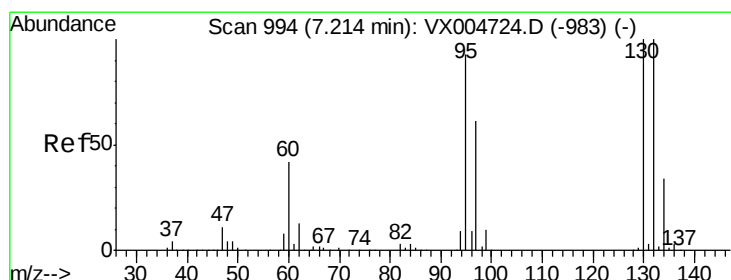
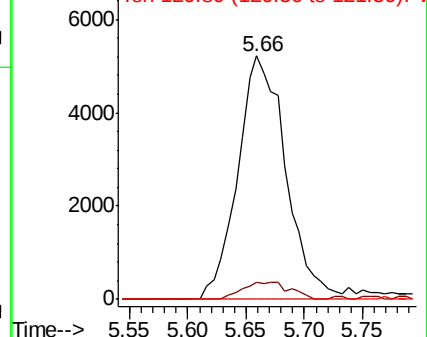
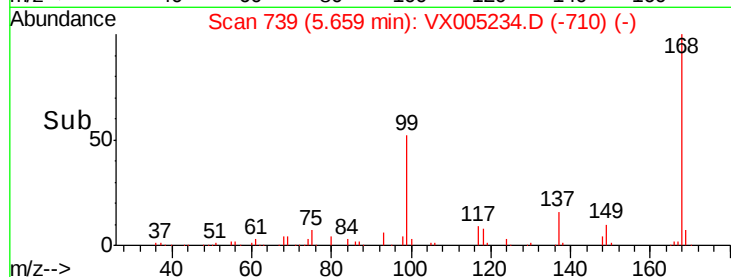
121 0.0 22.5 33.7#



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: 41.873 ug/l

RT: 7.21 min Scan# 994

Delta R.T. 0.00 min

Lab File: VX005234.D

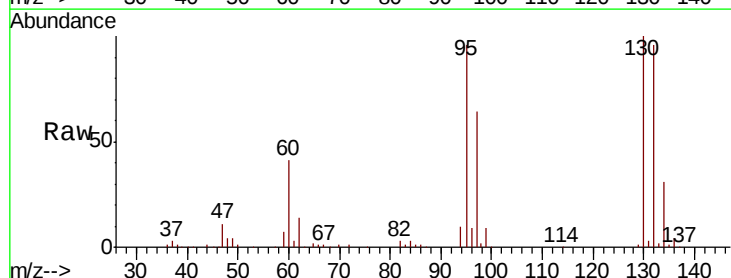
Acq: 11 Oct 2018 05:24

Tgt Ion:130 Resp: 98823

Ion Ratio Lower Upper

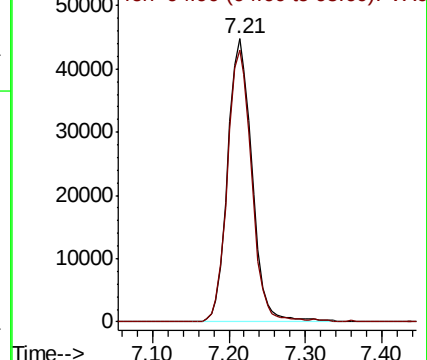
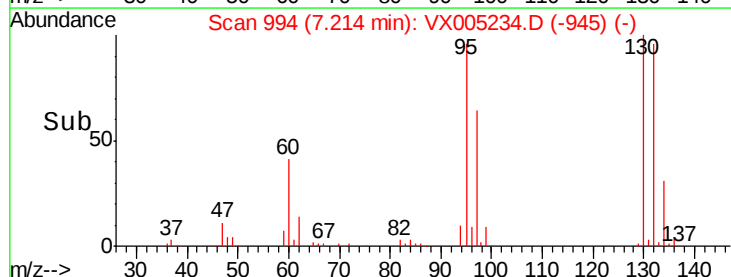
130 100

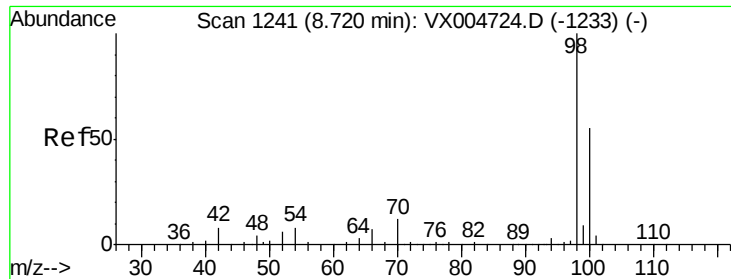
95 96.1 0.0 186.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

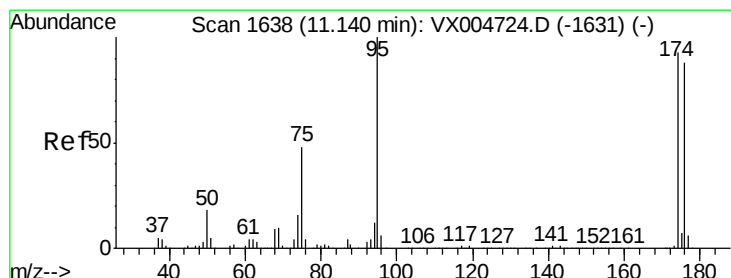
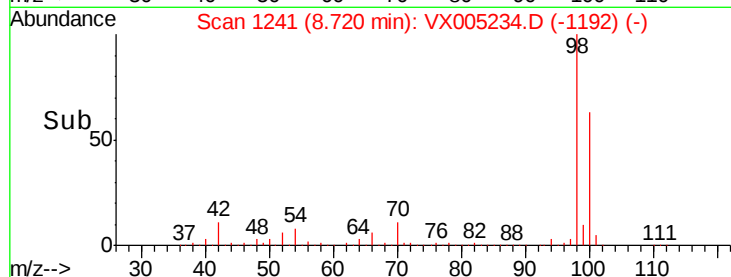
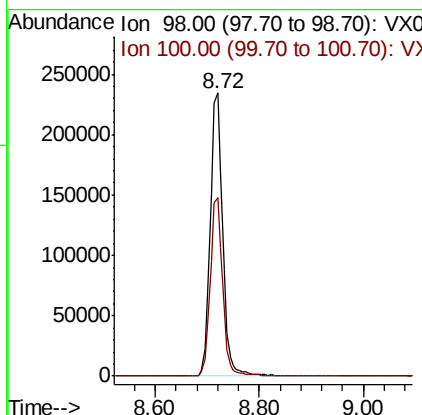
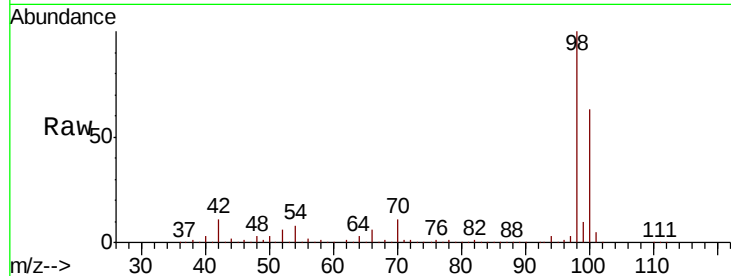




#50
Toluene-d8
Concen: 52.136 ug/l
RT: 8.72 min Scan# 1241
Delta R.T. -0.00 min
Lab File: VX005234.D
Acq: 11 Oct 2018 05:24

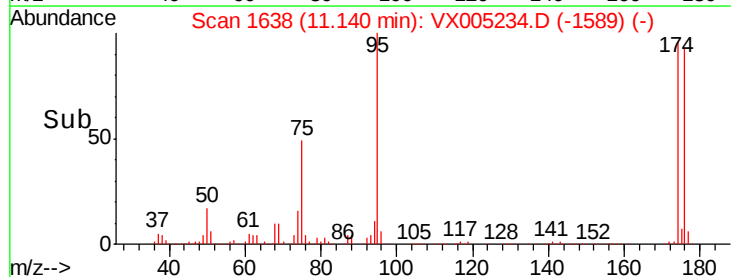
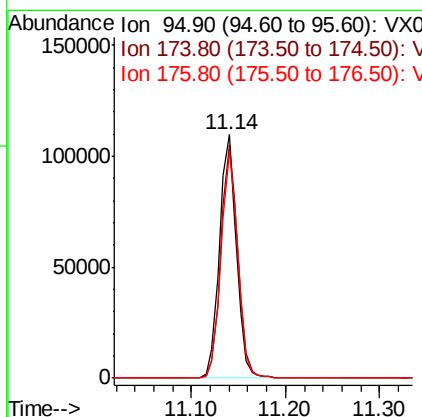
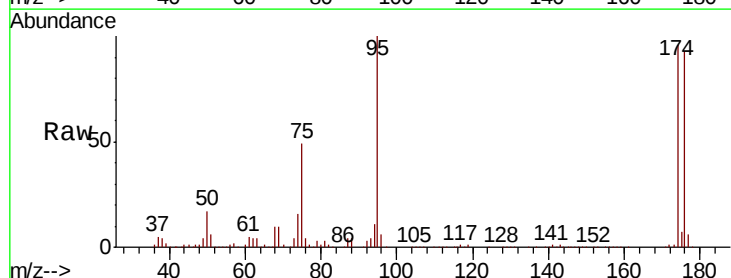
Instrument :
MSVOA_X
ClientSampleId :
RE-103D3-20181003DL

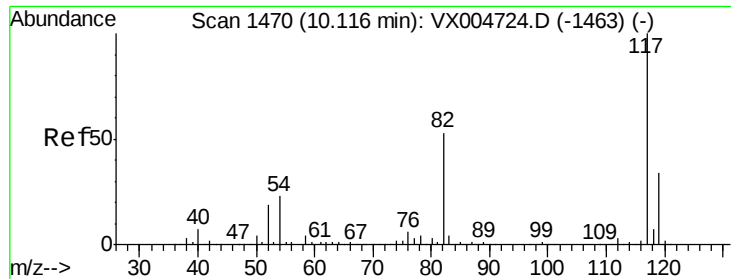
Tot Ion: 98 Resp: 389562
Ion Ratio Lower Upper
98 100
100 62.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 51.024 ug/l
RT: 11.14 min Scan# 1638
Delta R.T. -0.00 min
Lab File: VX005234.D
Acq: 11 Oct 2018 05:24

Tgt Ion: 95 Resp: 137347
Ion Ratio Lower Upper
95 100
174 95.9 0.0 185.0
176 92.4 0.0 180.2

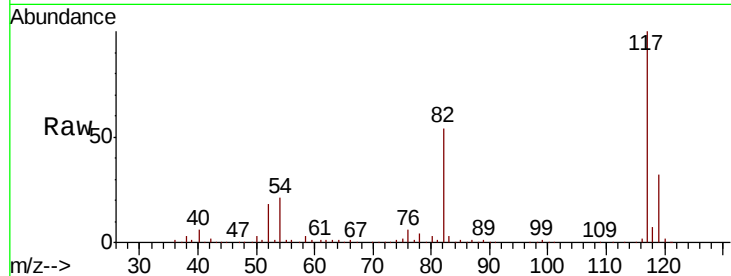




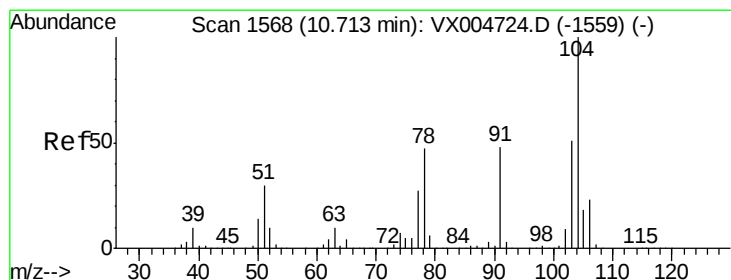
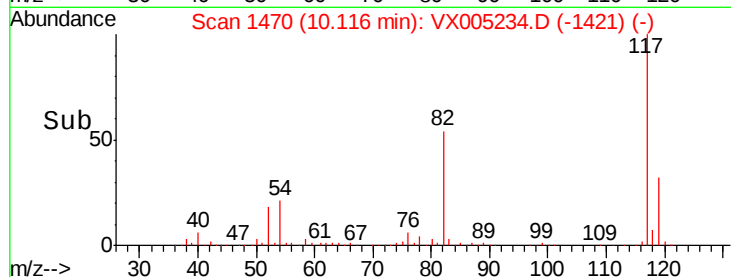
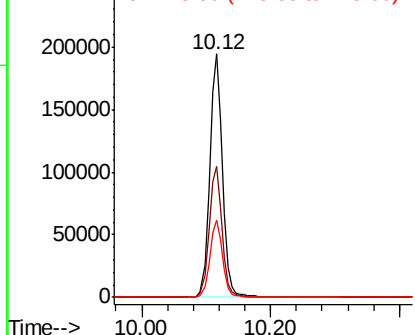
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. 0.00 min
Lab File: VX005234.D
Acq: 11 Oct 2018 05:24

Instrument :
MSVOA_X
ClientSampleId :
RE-103D3-20181003DL

Tot Ion:117 Resp: 267230
Ion Ratio Lower Upper
117 100
82 53.8 42.2 63.4
119 31.7 27.4 41.0

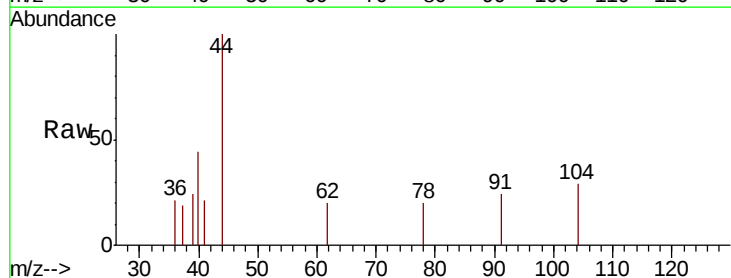


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

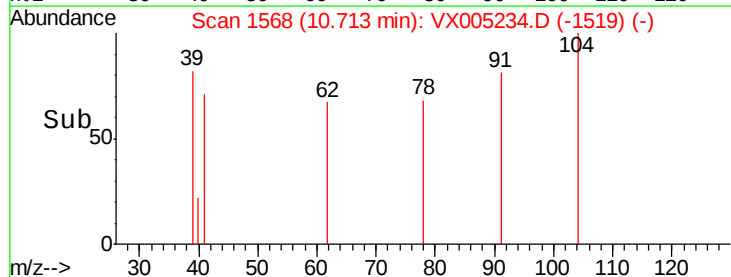
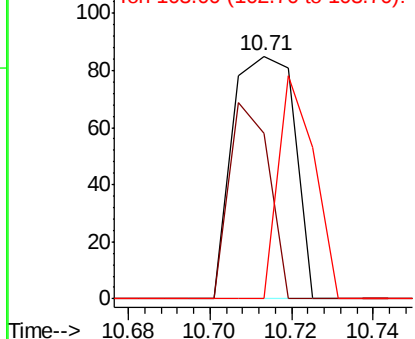


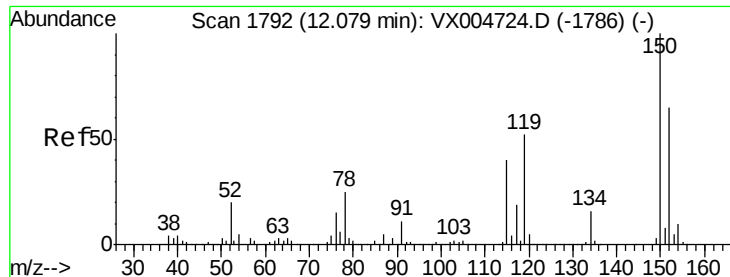
#70
Styrene
Concen: 2.152 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX005234.D
Acq: 11 Oct 2018 05:24

Tgt Ion:104 Resp: 89
Ion Ratio Lower Upper
104 100
78 51.7 40.0 60.0
103 53.9 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



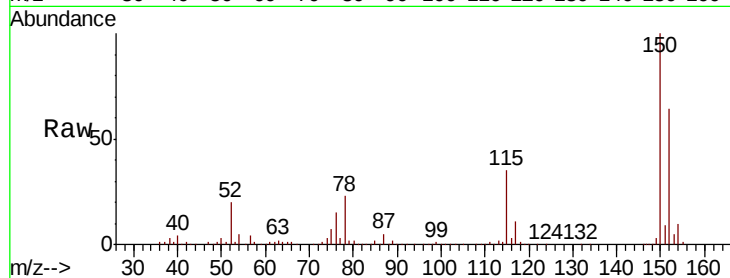


#72

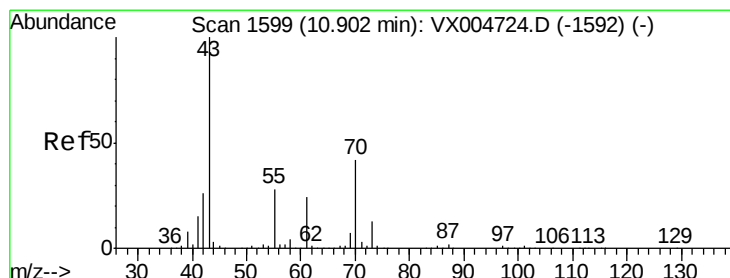
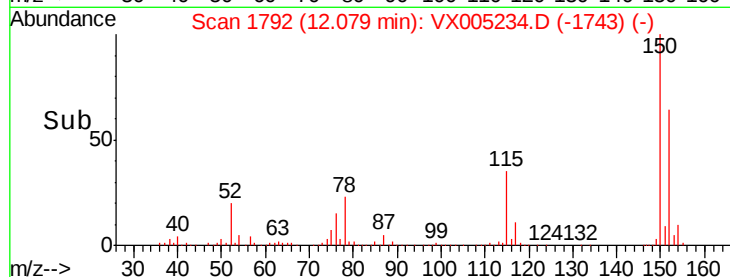
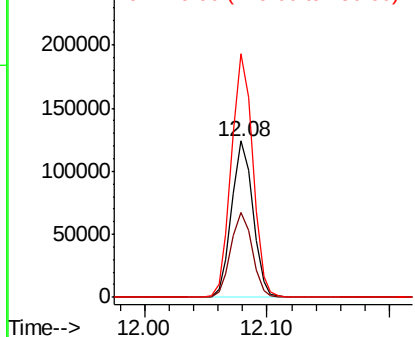
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005234.D
Acq: 11 Oct 2018 05:24

Instrument :
MSVOA_X
ClientSampleId :
RE-103D3-20181003DL

Tot Ion:152 Resp: 149102
Ion Ratio Lower Upper
152 100
115 54.9 40.2 120.6
150 156.3 0.0 351.0



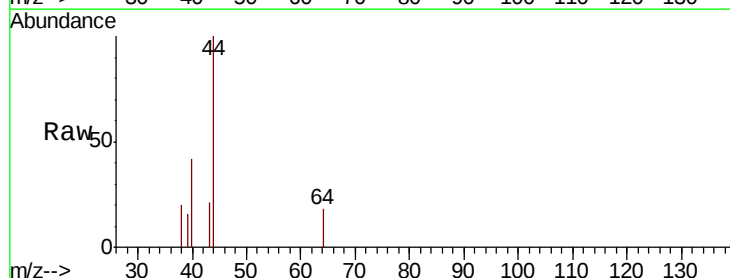
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



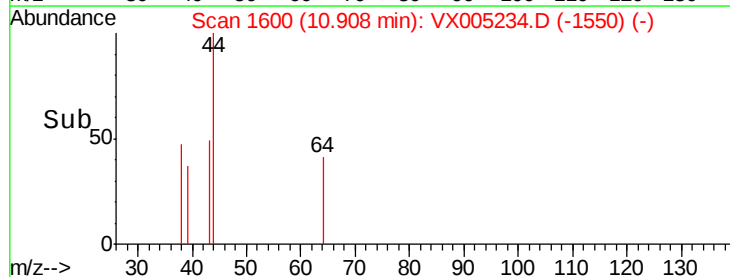
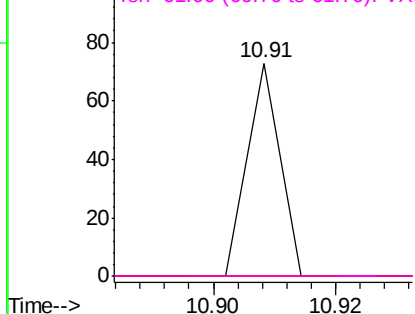
#74

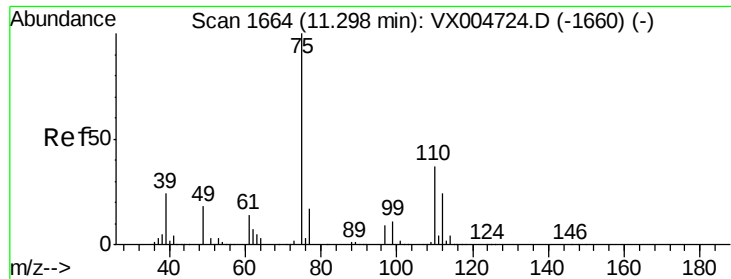
N-ethyl acetate
Concen: 1.753 ug/l
RT: 10.91 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VX005234.D
Acq: 11 Oct 2018 05:24

Tgt Ion: 43 Resp: 27
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: 20.555 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005234.D

Acq: 11 Oct 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

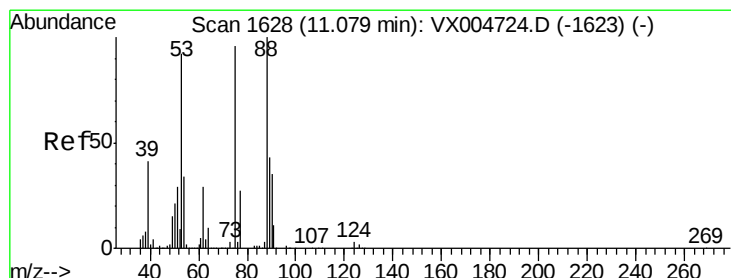
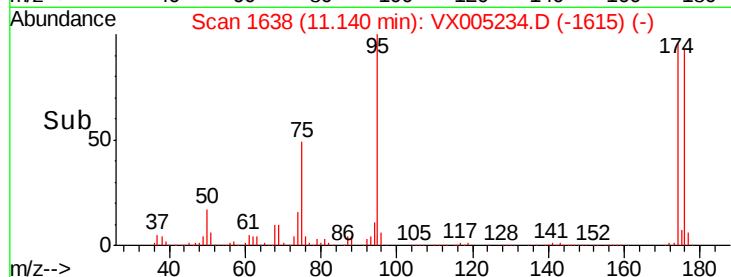
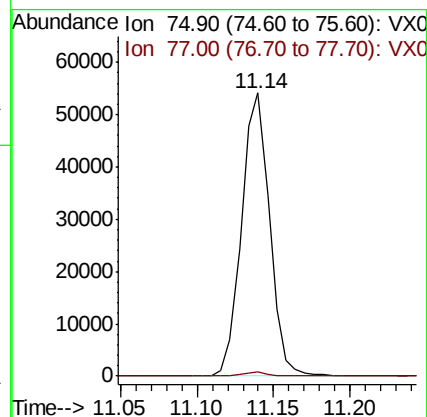
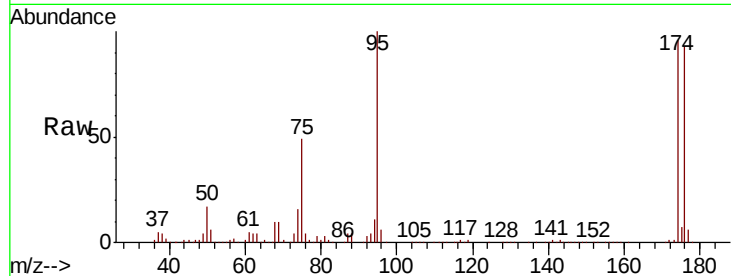
RE-103D3-20181003DL

Tot Ion: 75 Resp: 68693

Ion Ratio Lower Upper

75 100

77 1.3 21.4 64.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.820 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.06 min

Lab File: VX005234.D

Acq: 11 Oct 2018 05:24

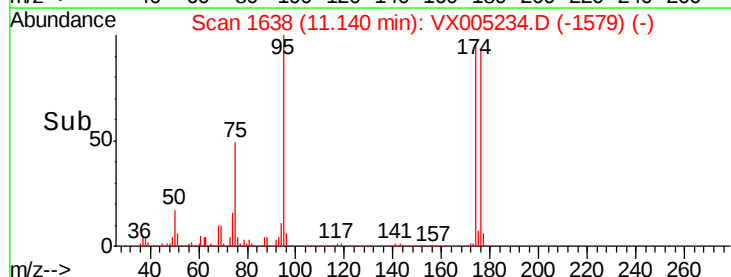
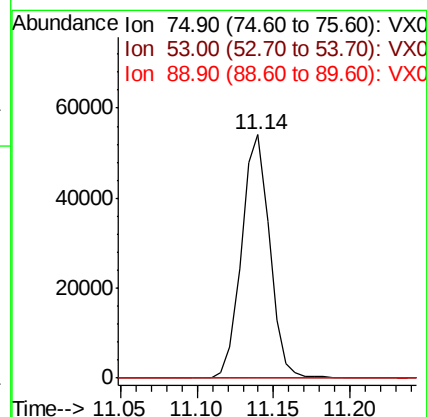
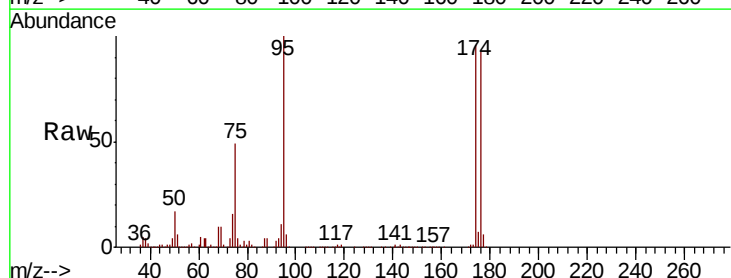
Tgt Ion: 75 Resp: 68693

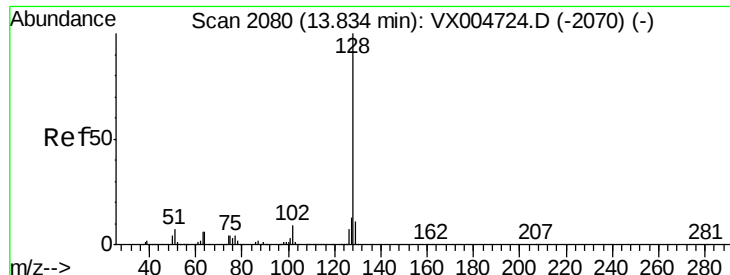
Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.4#

89 0.0 37.1 55.7#





#95

Naphthalene

Concen: 0.750 ug/l

RT: 13.83 min Scan# 2080

Delta R.T. -0.00 min

Lab File: VX005234.D

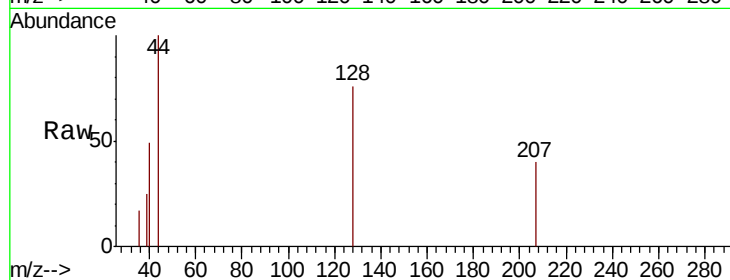
Acq: 11 Oct 2018 05:24

Instrument :

MSVOA_X

ClientSampleId :

RE-103D3-20181003DL



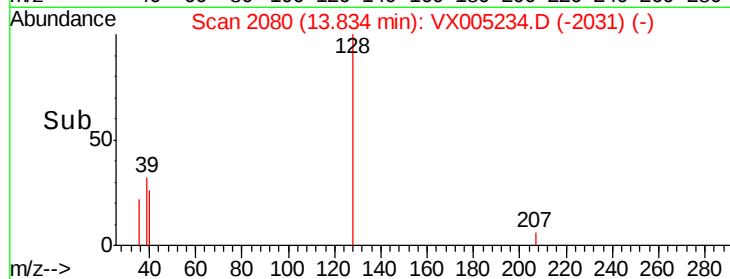
Tot Ion:128 Resp: 388

Ion Ratio Lower Upper

128 100

127 0.0 10.4 15.6#

129 0.0 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

