

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX101618\
 Data File : VX005375.D
 Acq On : 16 Oct 2018 18:13
 Operator : JC/MD
 Sample : J5538-11 200X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TKDSLUDGE

Quant Time: Oct 17 04:58:18 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X101218W.M
 Quant Title : SW846 8260
 QLast Update : Fri Oct 12 11:28:43 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	294656	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	399824	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	361547	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	177817	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	160163	48.98	ug/l	0.00
Spiked Amount			Recovery	=	97.96%	
35) Dibromofluoromethane	5.50	113	132437	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	8.71	98	478023	52.58	ug/l	0.00
Spiked Amount			Recovery	=	105.16%	
62) 4-Bromofluorobenzene	11.14	95	158696	46.47	ug/l	0.00
Spiked Amount			Recovery	=	92.94%	

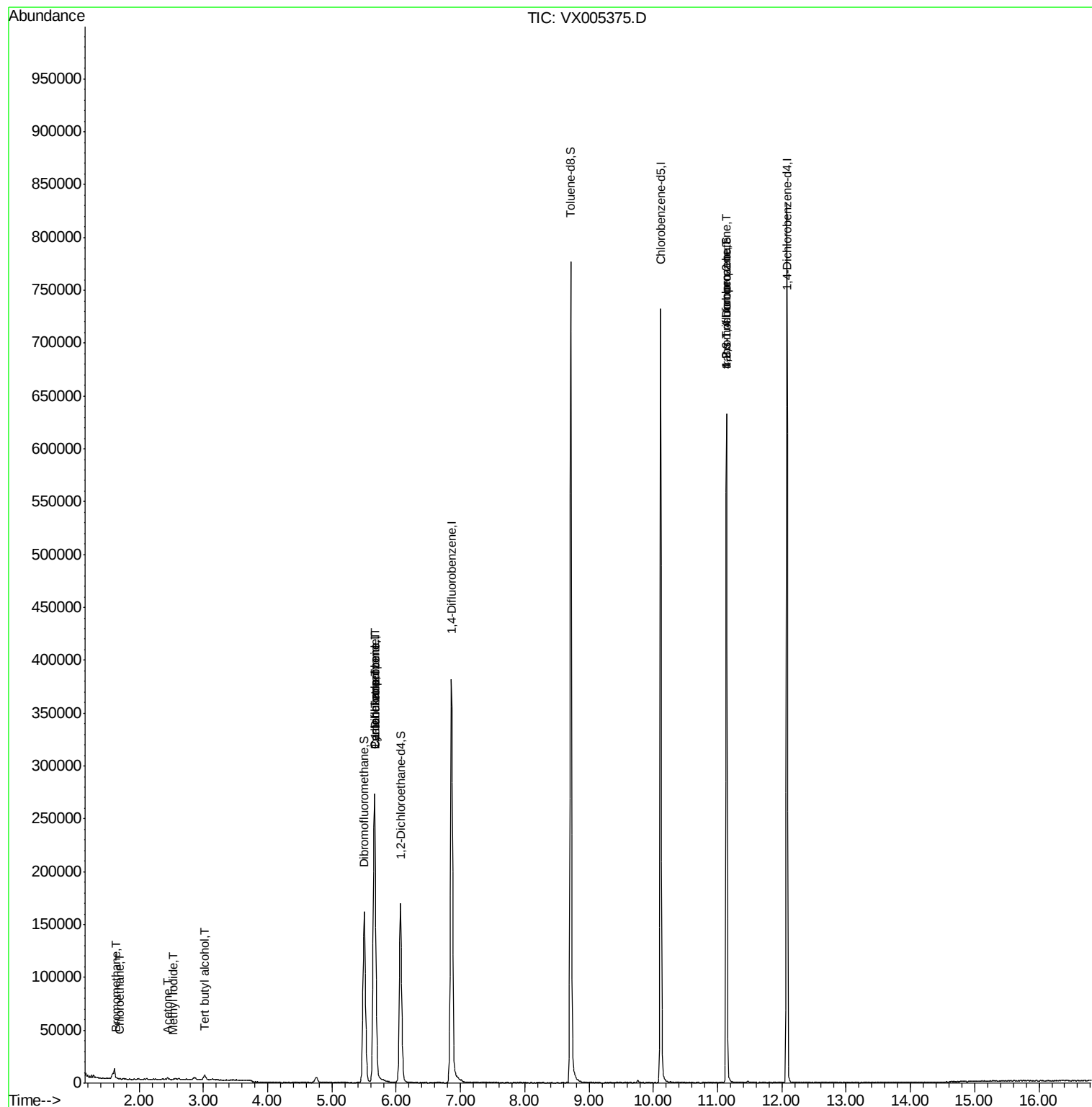
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.64	94	353	0.767	ug/l	92
6) Chloroethane	1.70	64	50	0.357	ug/l #	44
10) Methyl Iodide	2.53	142	45	2.504	ug/l #	41
11) Tert butyl alcohol	3.02	59	2856	3.096	ug/l #	72
13) Acrolein	2.29	56	21	Below Cal	#	1
16) Acetone	2.45	43	1381	0.730	ug/l	93
20) Methylene Chloride	2.85	84	707	Below Cal	#	76
31) Cyclohexane	5.66	56	5001	1.112	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19266	4.975	ug/l #	49
38) Carbon Tetrachloride	5.67	117	24930	6.407	ug/l #	15
44) Trichloroethene	7.21	130	25	Below Cal		90
76) 1,2,3-Trichloropropane	11.14	75	78182	22.667	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	78182	68.873	ug/l #	10

(#) = 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# 741

Delta R.T. 0.01 min

Lab File: VX005375.D

Acq: 16 Oct 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

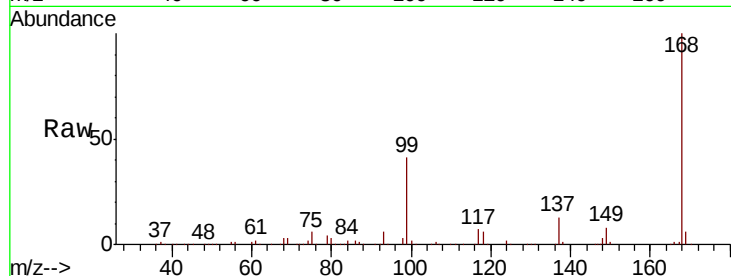
TKDSLUDGE

Tgt Ion: 168 Resp: 294656

Ion Ratio Lower Upper

168 100

99 40.8 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): VX005284.D (-726) (-)

Ion 98.90 (98.60 to 99.60): VX005284.D (-726) (-)

5.67

120000

100000

80000

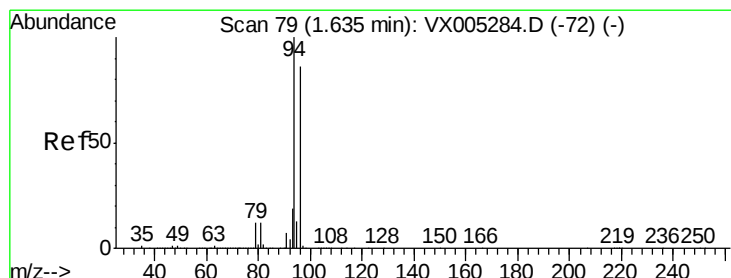
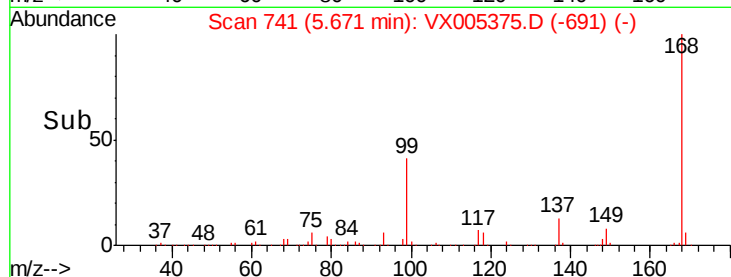
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.767 ug/l

RT: 1.64 min Scan# 80

Delta R.T. 0.01 min

Lab File: VX005375.D

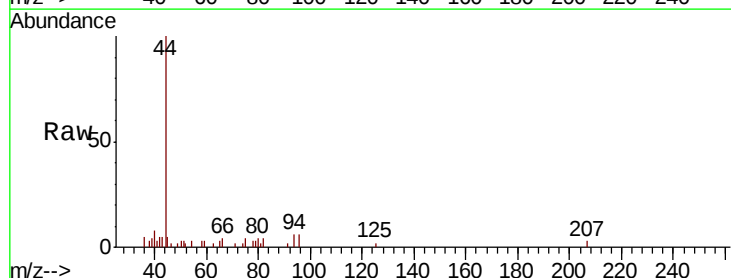
Acq: 16 Oct 2018 18:13

Tgt Ion: 94 Resp: 353

Ion Ratio Lower Upper

94 100

96 101.3 74.5 111.7



Abundance Ion 93.90 (93.60 to 94.60): VX005284.D (-72) (-)

Ion 95.90 (95.60 to 96.60): VX005284.D (-72) (-)

1.64

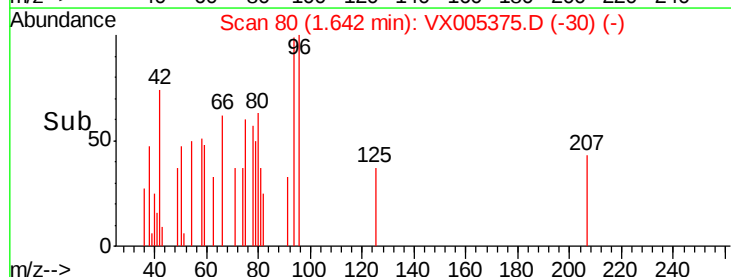
150

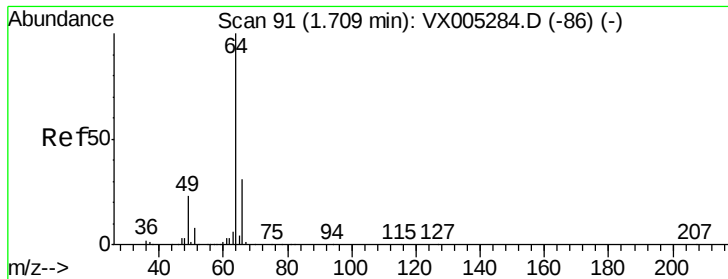
100

50

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.357 ug/l

RT: 1.70 min Scan# 90

Delta R.T. -0.01 min

Lab File: VX005375.D

Acq: 16 Oct 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

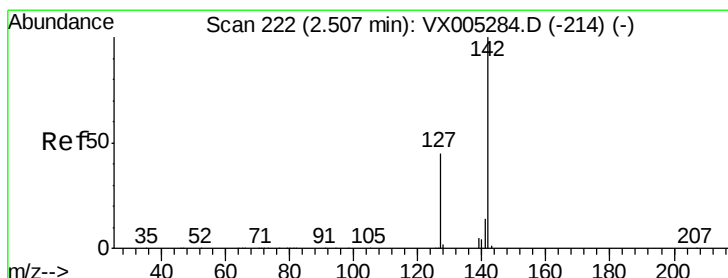
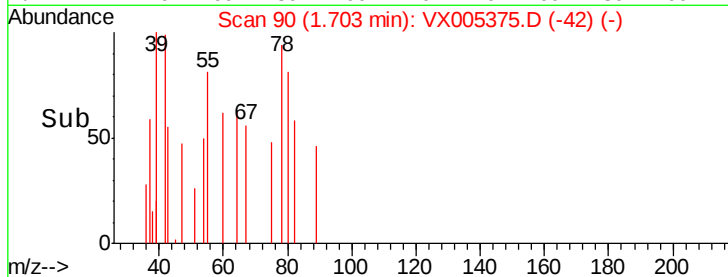
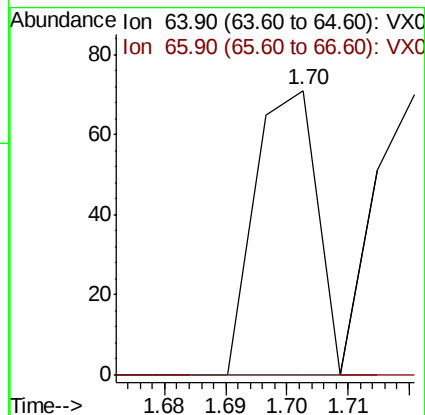
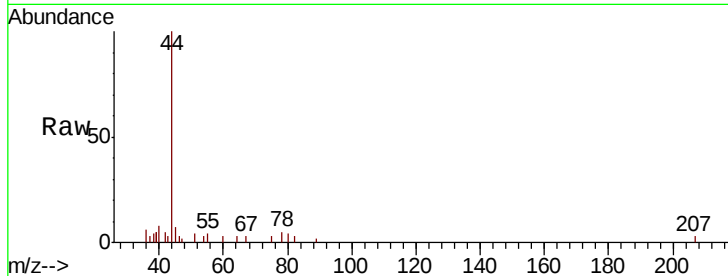
TKDSLUDGE

Tgt Ion: 64 Resp: 50

Ion Ratio Lower Upper

64 100

66 0.0 24.6 36.8#



#10

Methyl Iodide

Concen: 2.504 ug/l

RT: 2.53 min Scan# 225

Delta R.T. 0.02 min

Lab File: VX005375.D

Acq: 16 Oct 2018 18:13

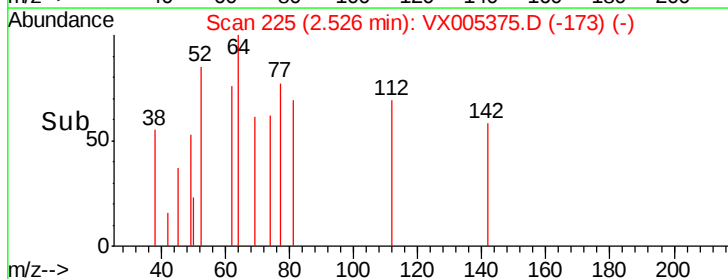
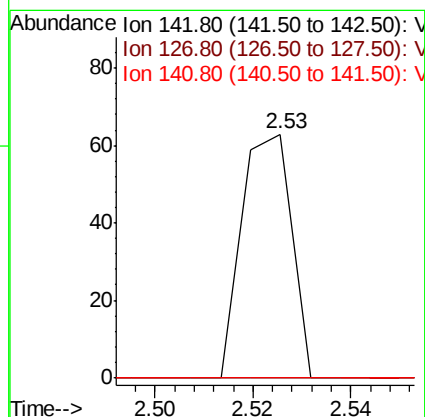
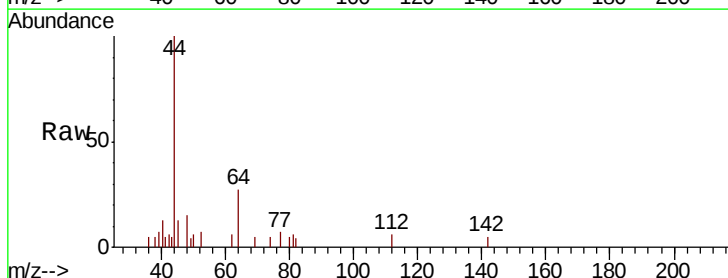
Tgt Ion: 142 Resp: 45

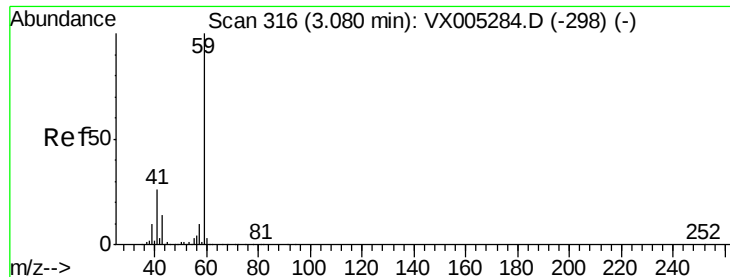
Ion Ratio Lower Upper

142 100

127 0.0 33.8 50.6#

141 0.0 11.4 17.0#

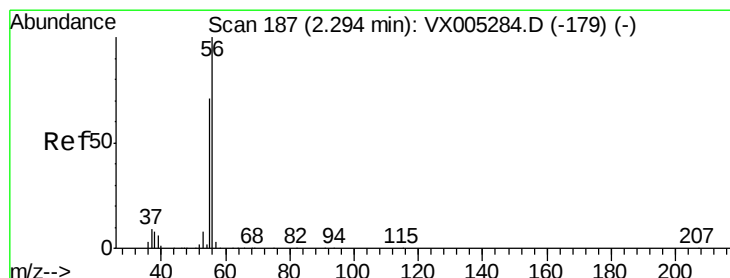
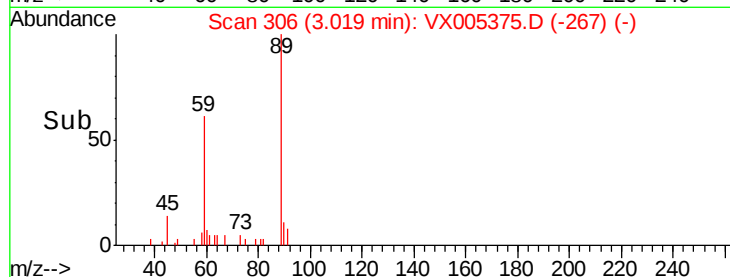
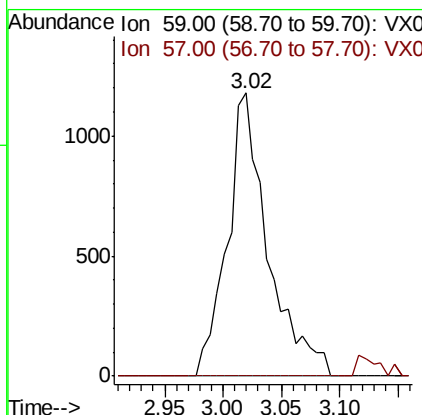
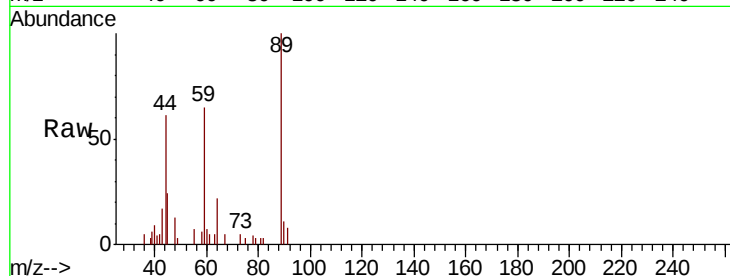




#11
Tert butyl alcohol
Concen: 3.096 ug/l
RT: 3.02 min Scan# 306
Delta R.T. -0.06 min
Lab File: VX005375.D
Acq: 16 Oct 2018 18:13

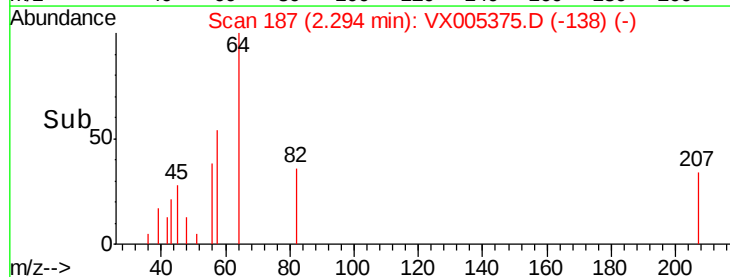
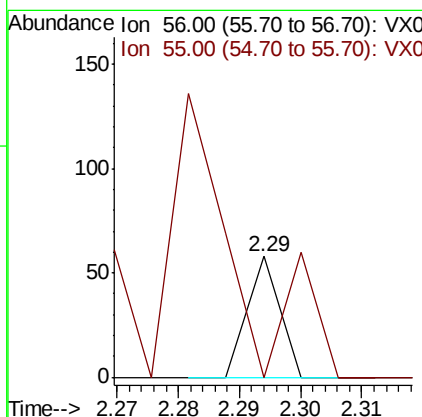
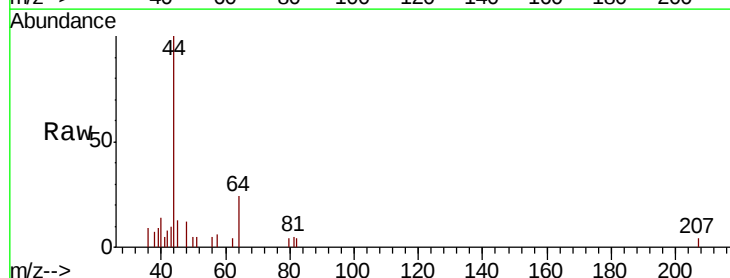
Instrument :
MSVOA_X
ClientSampled :
TKDSLUDGE

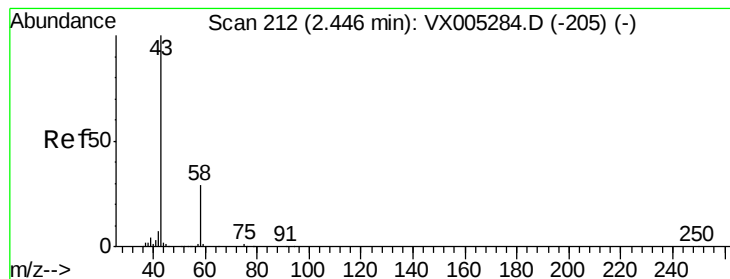
Tgt Ion: 59 Resp: 2856
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#



#13
Acrolein
Concen: Below Cal
RT: 2.29 min Scan# 187
Delta R.T. 0.00 min
Lab File: VX005375.D
Acq: 16 Oct 2018 18:13

Tgt Ion: 56 Resp: 21
Ion Ratio Lower Upper
56 100
55 461.9 54.7 82.1#





#16

Acetone

Concen: 0.730 ug/l

RT: 2.45 min Scan# 212

Delta R.T. 0.00 min

Lab File: VX005375.D

Acq: 16 Oct 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

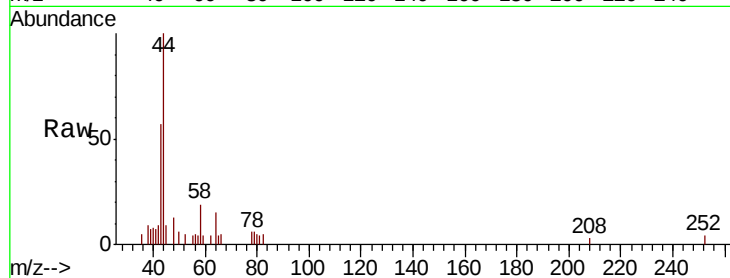
TKDSLUDGE

Tgt Ion: 43 Resp: 1381

Ion Ratio Lower Upper

43 100

58 36.9 26.2 39.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

1000

800

600

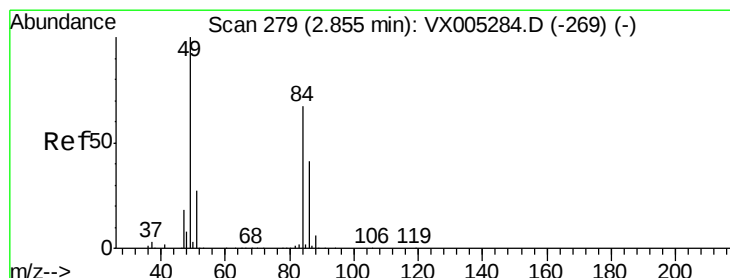
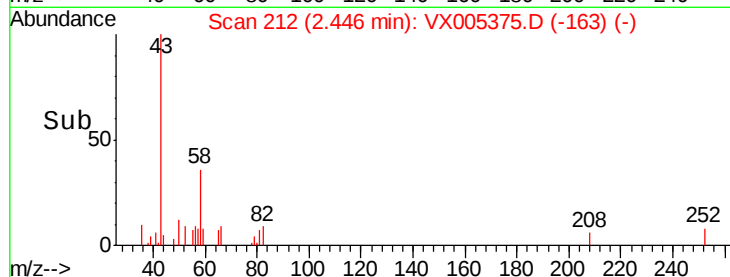
400

200

0

Time--> 2.35 2.40 2.45 2.50

2.45



#20

Methylene Chloride

Concen: Below Cal

RT: 2.85 min Scan# 279

Delta R.T. 0.00 min

Lab File: VX005375.D

Acq: 16 Oct 2018 18:13

Tgt Ion: 84 Resp: 707

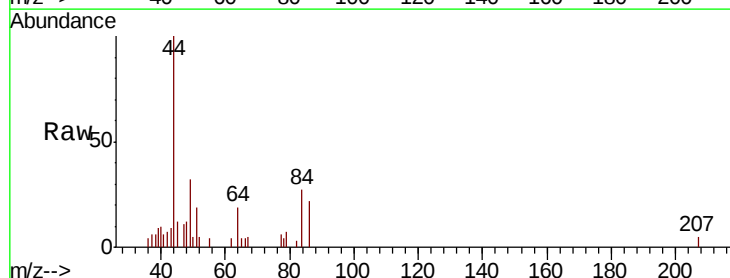
Ion Ratio Lower Upper

84 100

49 106.7 101.2 151.8

51 69.8 29.5 44.3#

86 81.3 52.3 78.5#



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

1000

800

600

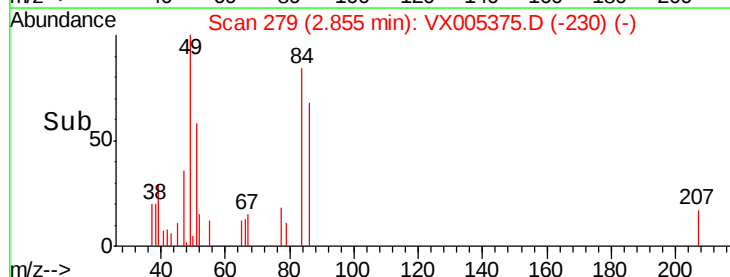
400

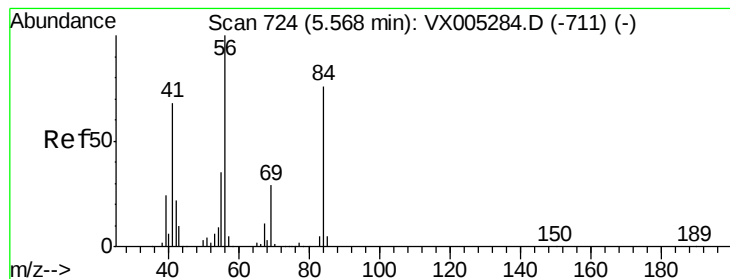
200

0

Time--> 2.80 2.85 2.90

2.85





#31

Cyclohexane

Concen: 1.112 ug/l

RT: 5.66 min Scan# 739

Delta R.T. 0.09 min

Lab File: VX005375.D

Acq: 16 Oct 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

TKDSLUDGE

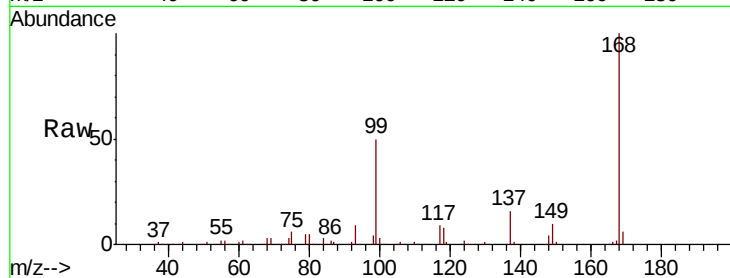
Tgt Ion: 56 Resp: 5001

Ion Ratio Lower Upper

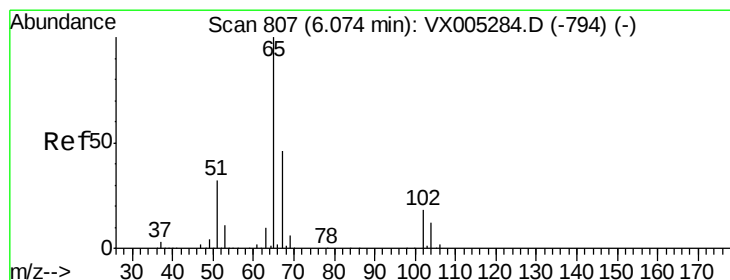
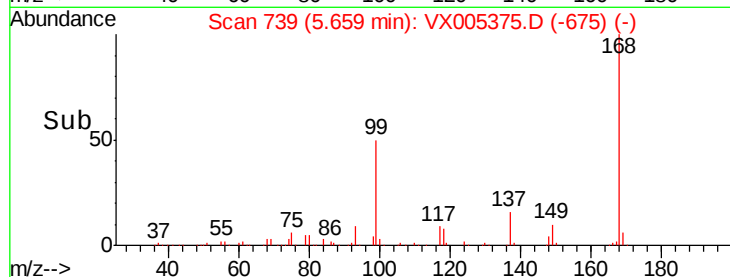
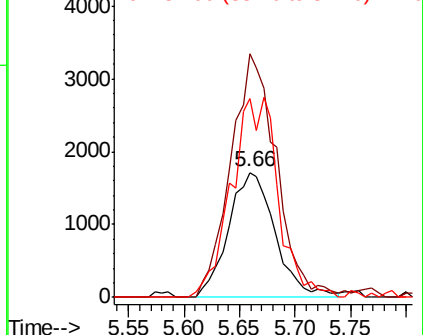
56 100

69 194.5 25.4 38.2#

84 159.1 71.4 107.2#



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: 48.976 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005375.D

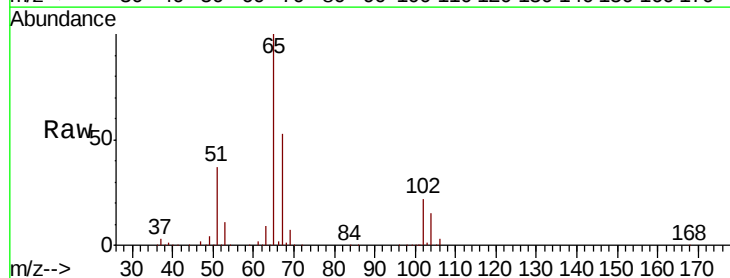
Acq: 16 Oct 2018 18:13

Tgt Ion: 65 Resp: 160163

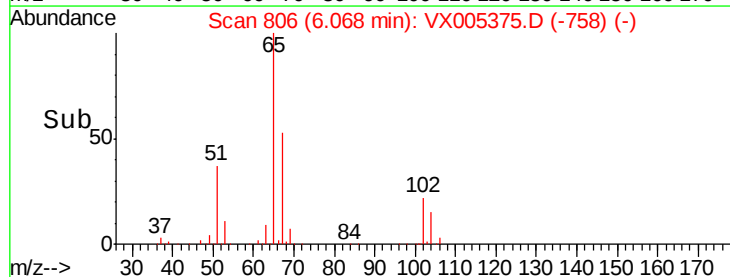
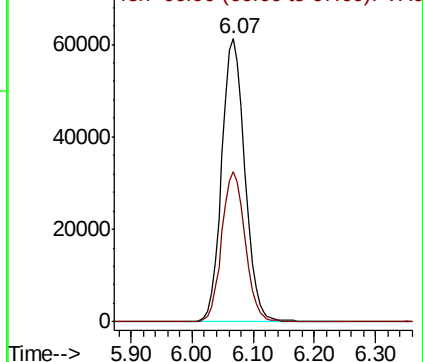
Ion Ratio Lower Upper

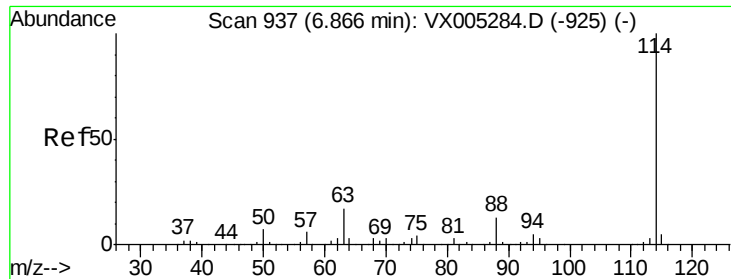
65 100

67 53.7 0.0 106.8



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

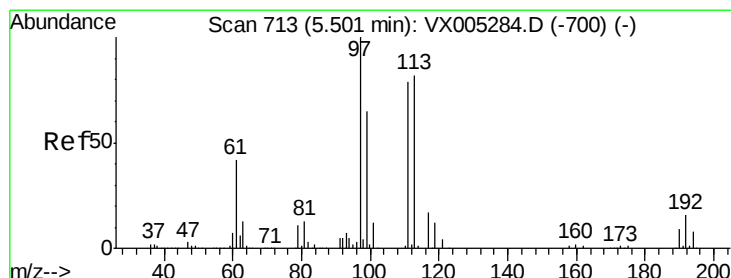
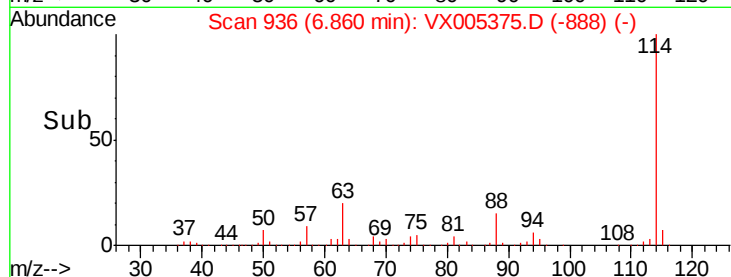
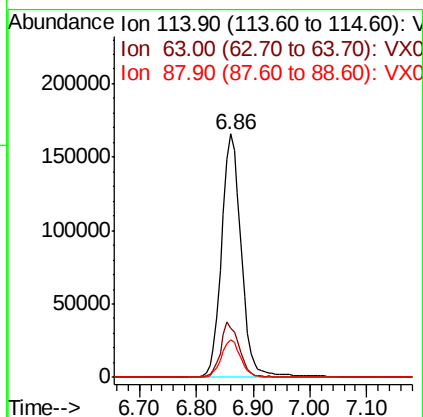
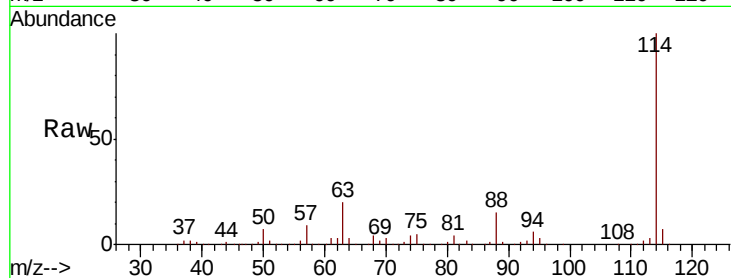




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.86 min Scan# 936
Delta R.T. -0.01 min
Lab File: VX005375.D
Acq: 16 Oct 2018 18:13

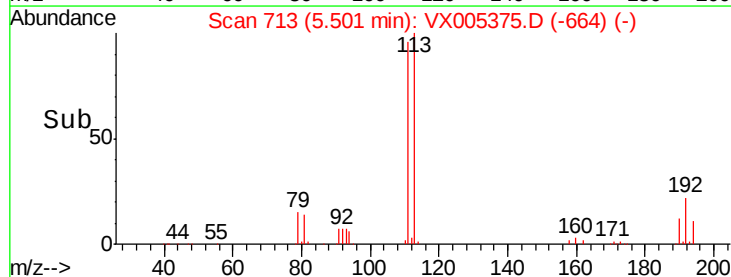
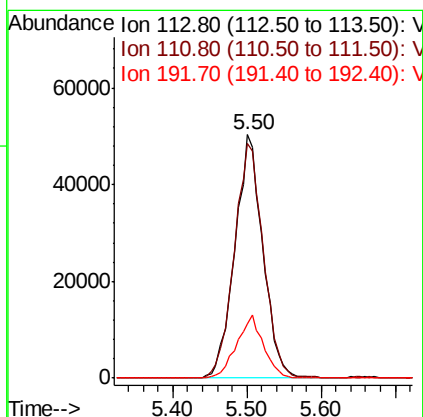
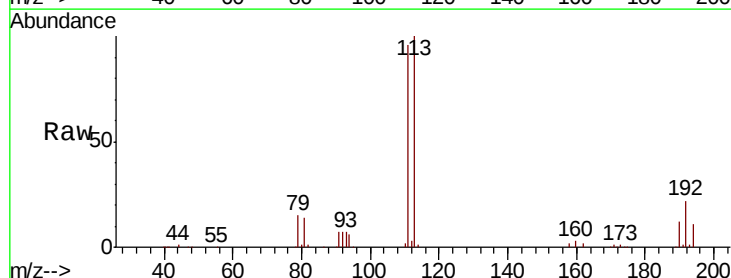
Instrument :
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TKDSLUDGE

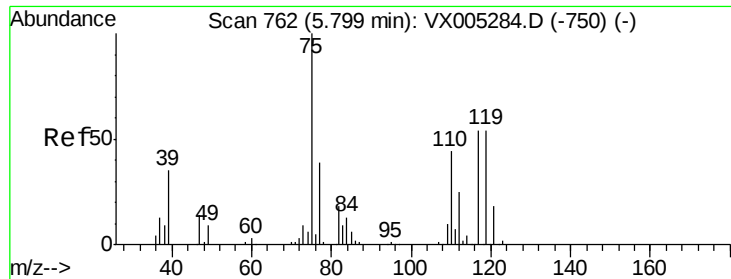
Tgt Ion:114 Resp: 399824
Ion Ratio Lower Upper
114 100
63 20.3 0.0 39.0
88 15.4 0.0 30.4



#35
Dibromofluoromethane
Concen: 50.011 ug/l
RT: 5.50 min Scan# 713
Delta R.T. 0.00 min
Lab File: VX005375.D
Acq: 16 Oct 2018 18:13

Tgt Ion:113 Resp: 132437
Ion Ratio Lower Upper
113 100
111 100.5 82.4 123.6
192 24.6 19.4 29.2

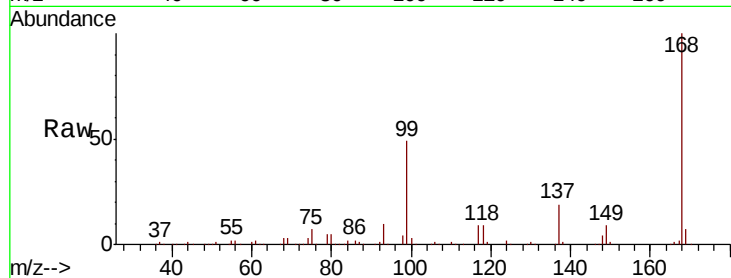




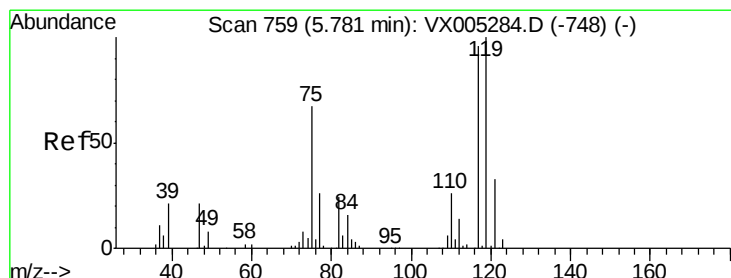
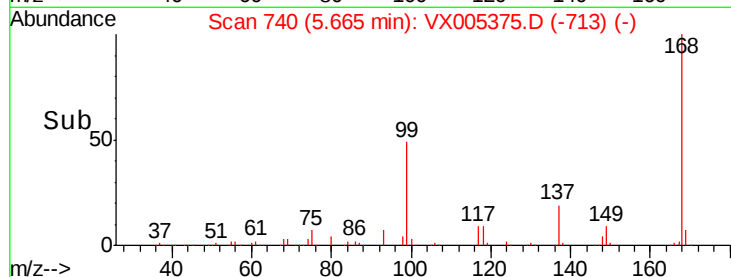
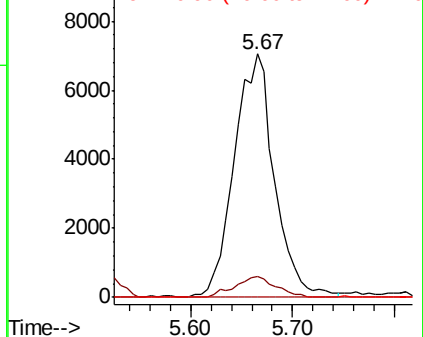
#36
 1,1-Dichloropropene
 Concen: 4.975 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005375.D
 Acq: 16 Oct 2018 18:13

Instrument :
 MSVOA_X
 ClientSampleId :
 TKDSLUDGE

Tgt Ion: 75 Resp: 19266
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.0 54.0#
 77 0.0 24.6 36.8#

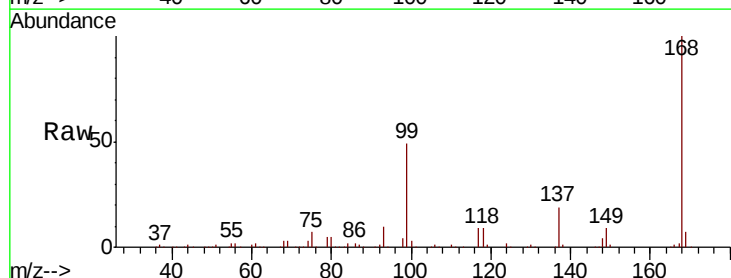


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

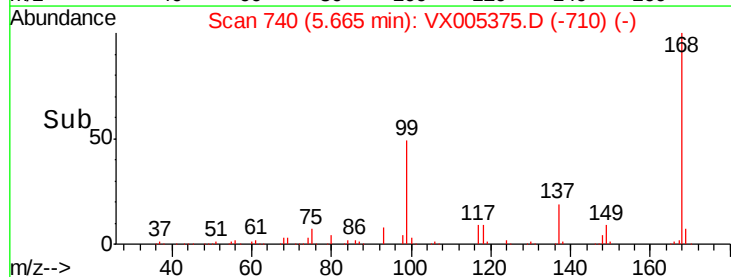
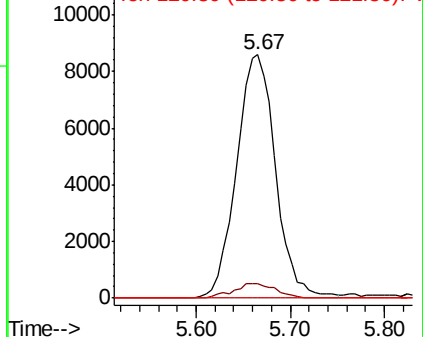


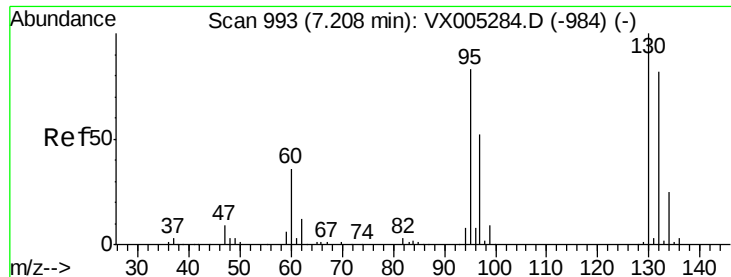
#38
 Carbon Tetrachloride
 Concen: 6.407 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005375.D
 Acq: 16 Oct 2018 18:13

Tgt Ion: 117 Resp: 24930
 Ion Ratio Lower Upper
 117 100
 119 5.9 78.8 118.2#
 121 0.0 24.9 37.3#



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: Below Cal

RT: 7.21 min Scan# 994

Delta R.T. 0.01 min

Lab File: VX005375.D

Acq: 16 Oct 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

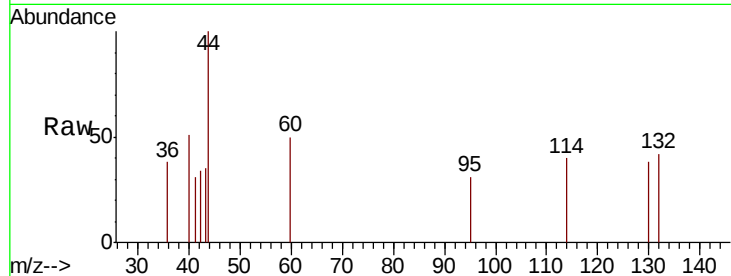
TKDSLUDGE

Tgt Ion:130 Resp: 25

Ion Ratio Lower Upper

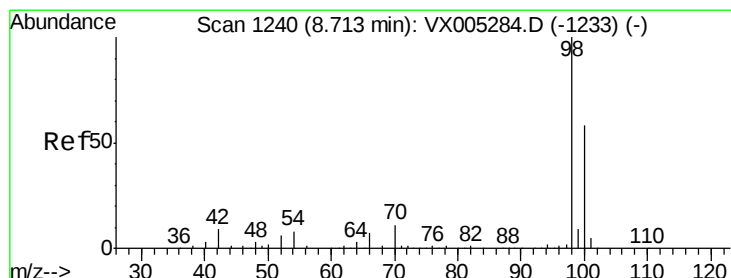
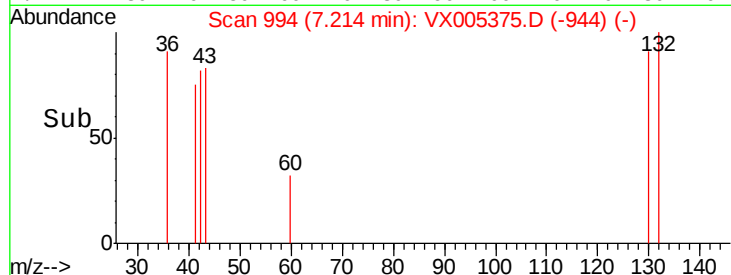
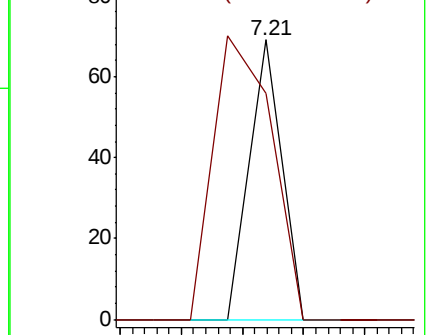
130 100

95 81.2 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 52.581 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. 0.00 min

Lab File: VX005375.D

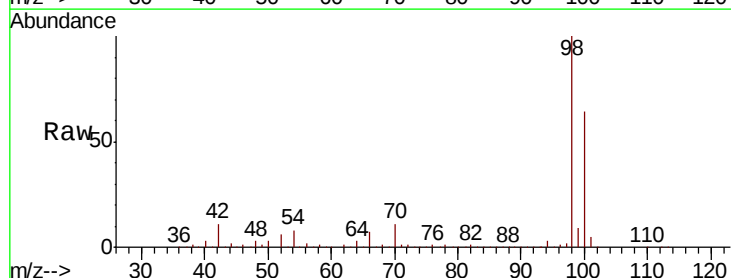
Acq: 16 Oct 2018 18:13

Tgt Ion: 98 Resp: 478023

Ion Ratio Lower Upper

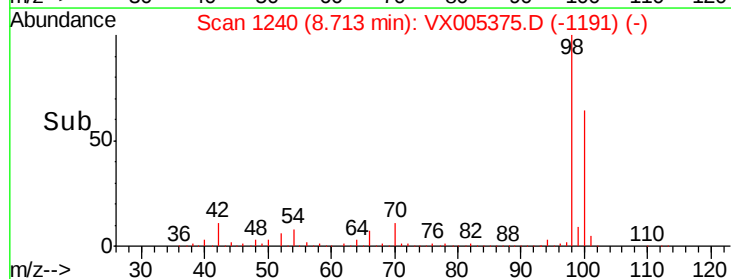
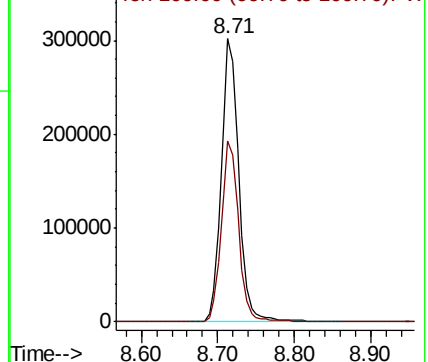
98 100

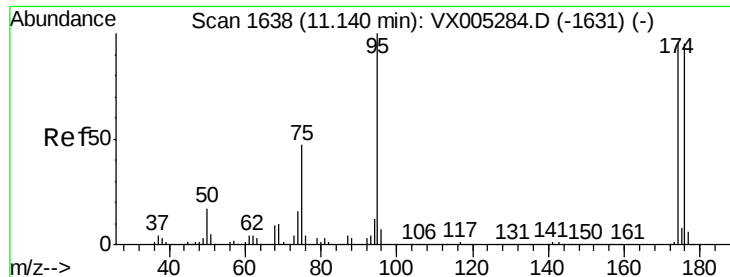
100 63.8 52.9 79.3



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.467 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.00 min

Lab File: VX005375.D

Acq: 16 Oct 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

TKDSLUDGE

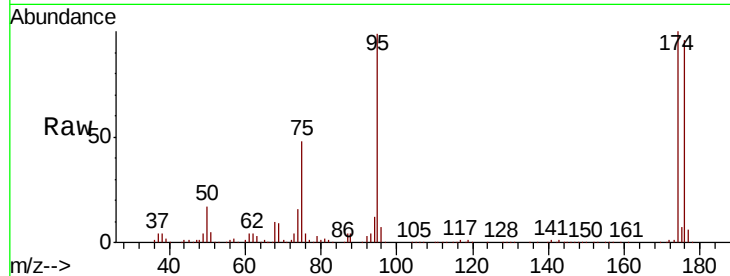
Tgt Ion: 95 Resp: 158696

Ion Ratio Lower Upper

95 100

174 96.6 0.0 185.2

176 92.6 0.0 178.6

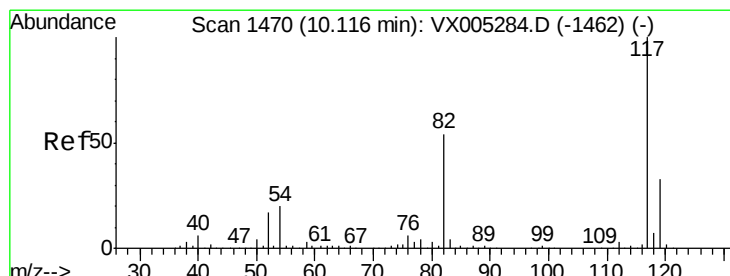
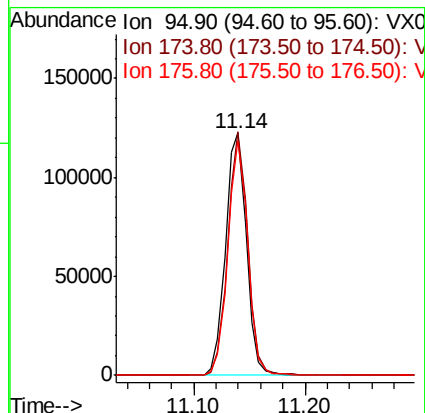
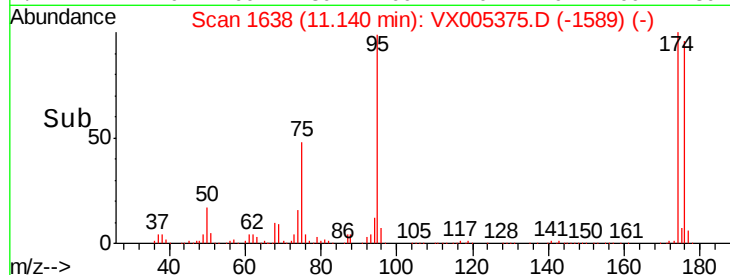


Abundance Ion 94.90 (94.60 to 95.60): VX005284.D (-1631) (-)

Ion 173.80 (173.50 to 174.50): VX005284.D (-1631) (-)

Ion 175.80 (175.50 to 176.50): VX005284.D (-1631) (-)

11.14



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.12 min Scan# 1470

Delta R.T. 0.00 min

Lab File: VX005375.D

Acq: 16 Oct 2018 18:13

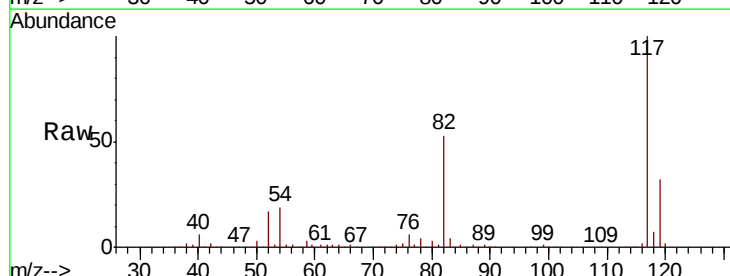
Tgt Ion: 117 Resp: 361547

Ion Ratio Lower Upper

117 100

82 52.7 47.8 71.6

119 32.4 29.3 43.9

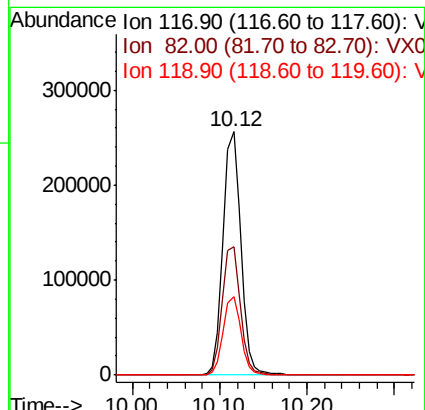
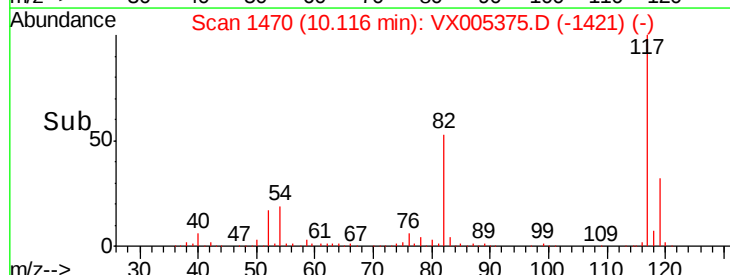


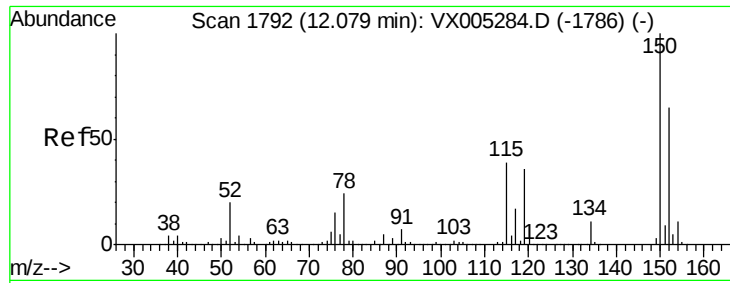
Abundance Ion 116.90 (116.60 to 117.60): VX005284.D (-1462) (-)

Ion 82.00 (81.70 to 82.70): VX005284.D (-1462) (-)

Ion 118.90 (118.60 to 119.60): VX005284.D (-1462) (-)

10.12





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. 0.00 min

Lab File: VX005375.D

Acq: 16 Oct 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

TKDSLUDGE

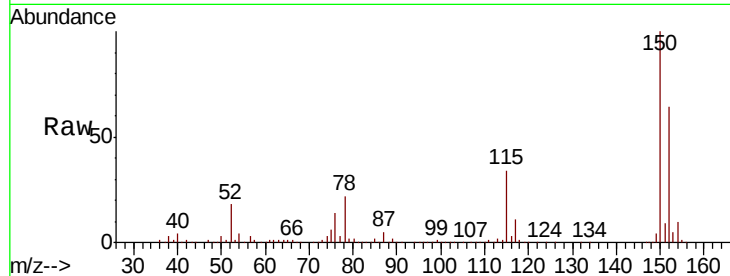
Tgt Ion:152 Resp: 177817

Ion Ratio Lower Upper

152 100

115 54.3 39.0 117.0

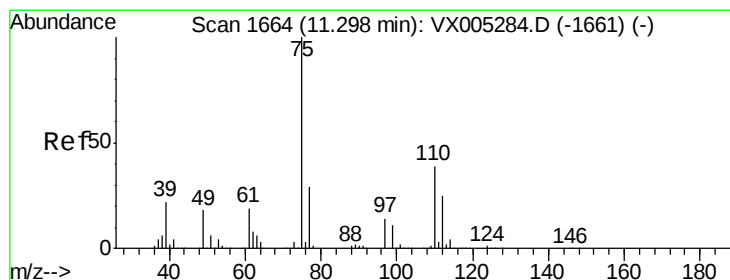
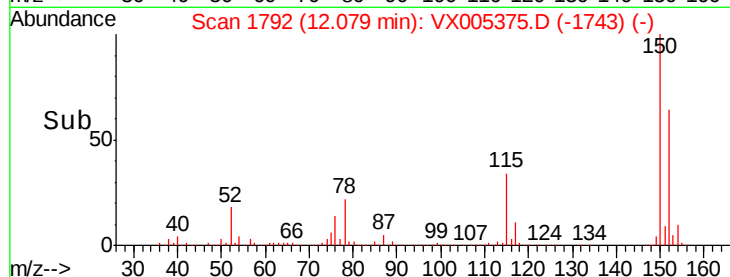
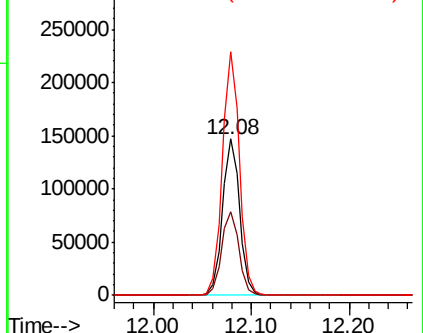
150 155.3 0.0 351.0



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



#76

1,2,3-Trichloropropane

Concen: 22.667 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005375.D

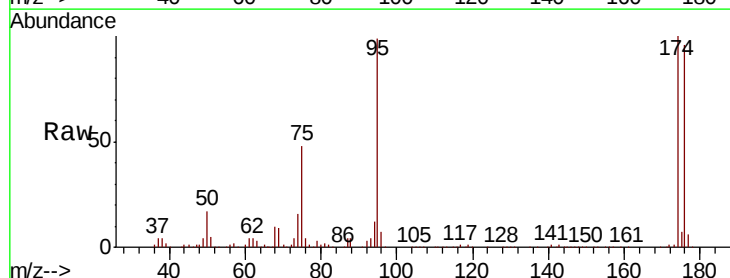
Acq: 16 Oct 2018 18:13

Tgt Ion: 75 Resp: 78182

Ion Ratio Lower Upper

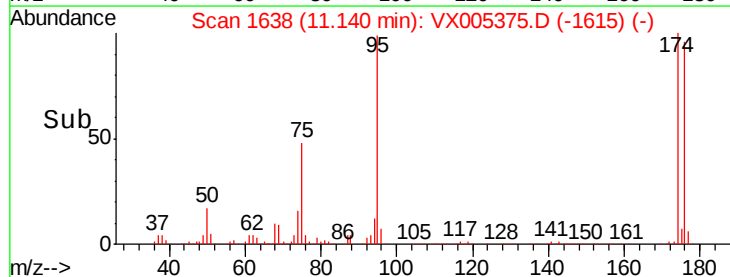
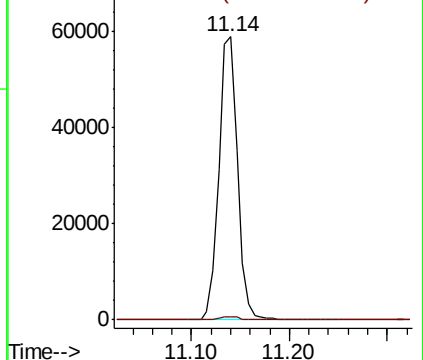
75 100

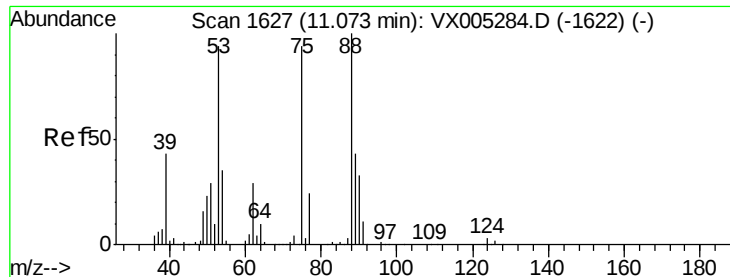
77 1.2 20.2 60.6#



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: 68.873 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005375.D

Acq: 16 Oct 2018 18:13

Instrument :

MSVOA_X

ClientSampleId :

TKDSLUDGE

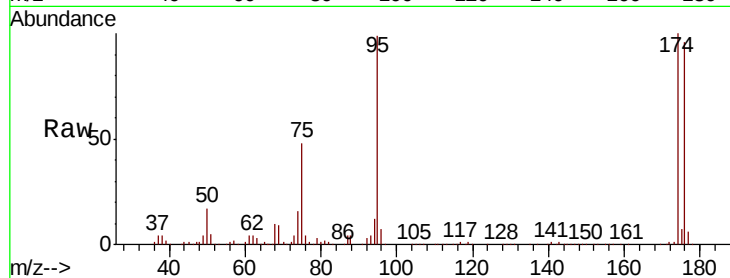
Tgt Ion: 75 Resp: 78182

Ion Ratio Lower Upper

75 100

53 0.2 80.1 120.1#

89 0.0 37.2 55.8#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0

