

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX101218\
 Data File : VX005313.D
 Acq On : 13 Oct 2018 00:57
 Operator : JC/MD
 Sample : J5317-08
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RE-122D3-IMP-20181004

Quant Time: Oct 13 02:41:19 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	280206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	396450	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	346910	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	168940	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	158079	50.83	ug/l	0.00
Spiked Amount			Recovery	=	101.66%	
35) Dibromofluoromethane	5.50	113	129159	49.19	ug/l	0.00
Spiked Amount			Recovery	=	98.38%	
50) Toluene-d8	8.71	98	464447	51.52	ug/l	0.00
Spiked Amount			Recovery	=	103.04%	
62) 4-Bromofluorobenzene	11.14	95	149599	44.18	ug/l	0.00
Spiked Amount			Recovery	=	88.36%	

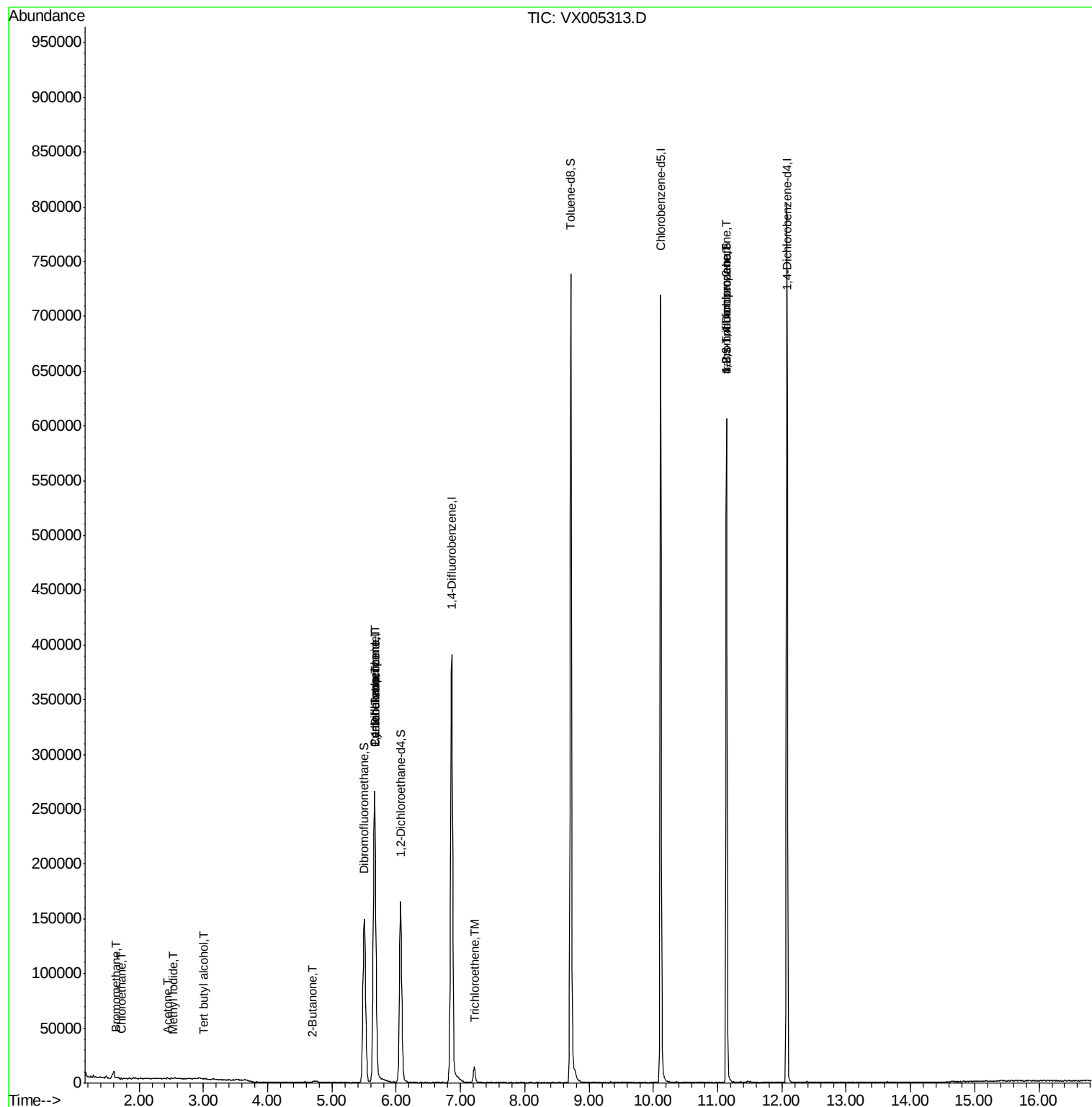
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	1.65	94	639	0.932	ug/l #	75
6) Chloroethane	1.71	64	50	0.359	ug/l #	1
10) Methyl Iodide	2.52	142	581	2.692	ug/l #	90
11) Tert butyl alcohol	3.01	59	789	0.899	ug/l	95
13) Acrolein	2.31	56	22	Below Cal	#	1
16) Acetone	2.45	43	1039	0.578	ug/l #	81
20) Methylene Chloride	2.85	84	173	Below Cal	#	47
25) 2-Butanone	4.70	43	2223	0.845	ug/l #	84
31) Cyclohexane	5.67	56	4818	1.127	ug/l #	1
36) 1,1-Dichloropropene	5.67	75	19254	5.015	ug/l #	49
38) Carbon Tetrachloride	5.67	117	25728	6.669	ug/l #	15
44) Trichloroethene	7.22	130	5861	1.388	ug/l	95
76) 1,2,3-Trichloropropane	11.14	75	74107	22.615	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	74107	68.714	ug/l #	10

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

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 741

Delta R.T. 0.01 min

Lab File: VX005313.D

Acq: 13 Oct 2018 00:57

Instrument :

MSVOA_X

ClientSampleId :

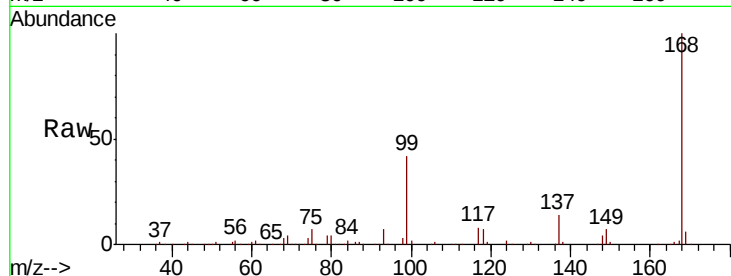
RE-122D3-IMP-20181004

Tot Ion:168 Resp: 280206

Ion Ratio Lower Upper

168 100

99 41.9 39.9 59.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.67

120000

100000

80000

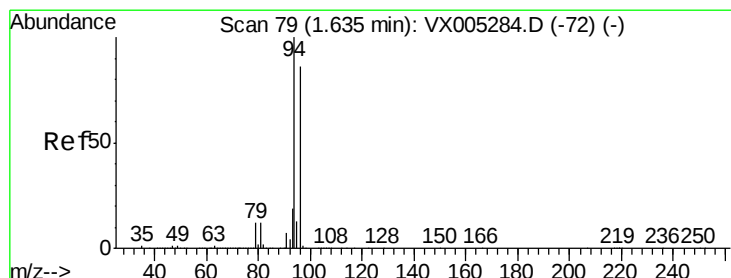
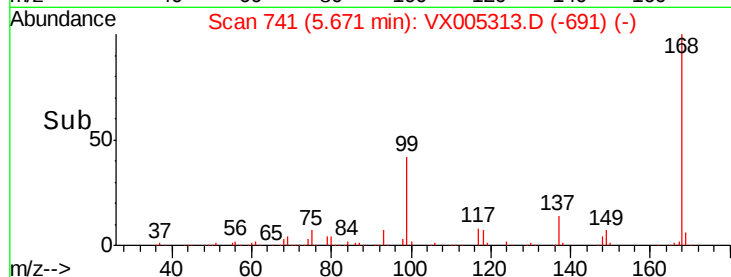
60000

40000

20000

0

Time--> 5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.932 ug/l

RT: 1.65 min Scan# 81

Delta R.T. 0.01 min

Lab File: VX005313.D

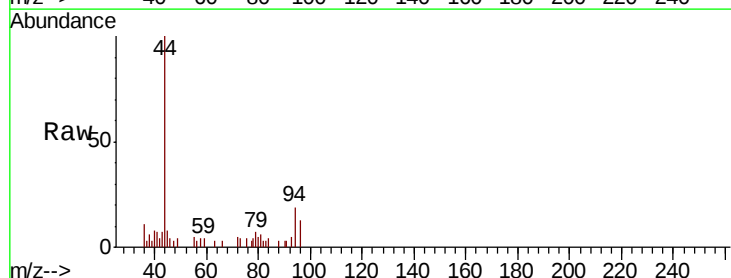
Acq: 13 Oct 2018 00:57

Tgt Ion: 94 Resp: 639

Ion Ratio Lower Upper

94 100

96 68.7 74.5 111.7#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.65

400

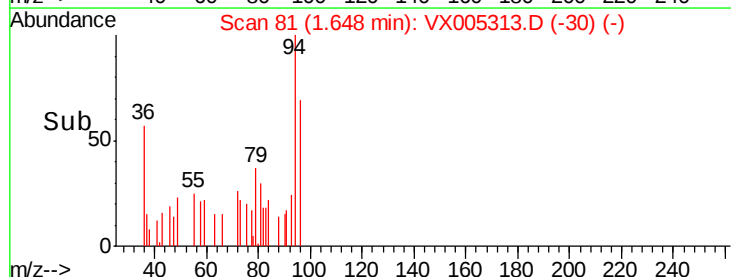
300

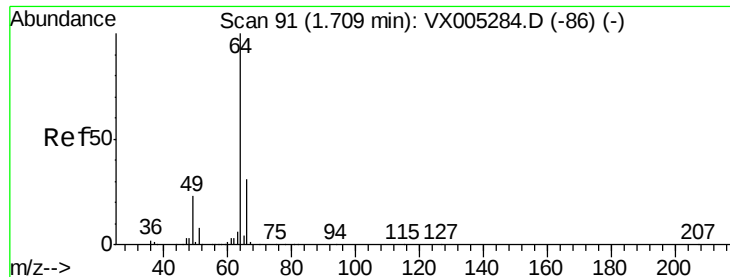
200

100

0

Time--> 1.60 1.65 1.70





#6

Chloroethane

Concen: 0.359 ug/l

RT: 1.71 min Scan# 92

Delta R.T. 0.01 min

Lab File: VX005313.D

Acq: 13 Oct 2018 00:57

Instrument :

MSVOA_X

ClientSampleId :

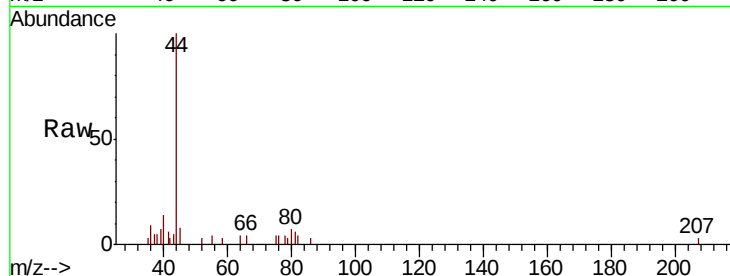
RE-122D3-IMP-20181004

Tot Ion: 64 Resp: 50

Ion Ratio Lower Upper

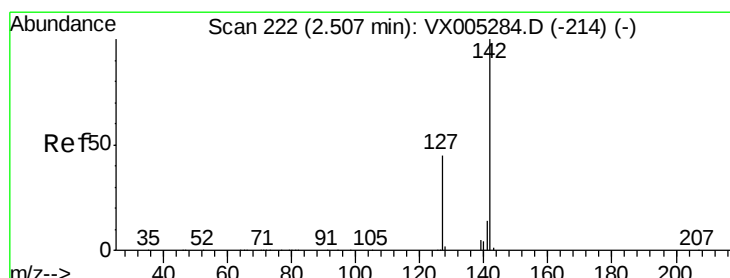
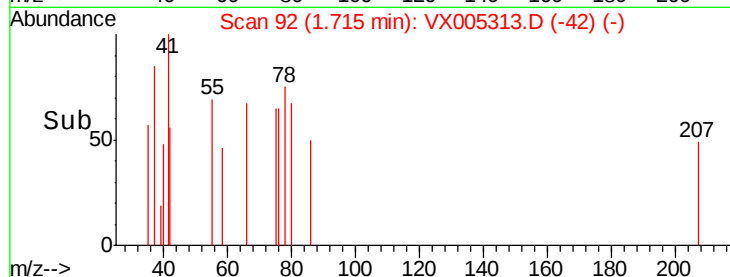
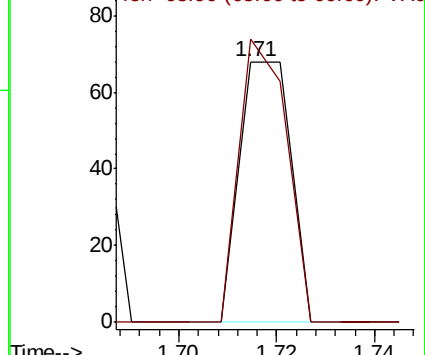
64 100

66 108.8 24.6 36.8#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#10

Methyl Iodide

Concen: 2.692 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005313.D

Acq: 13 Oct 2018 00:57

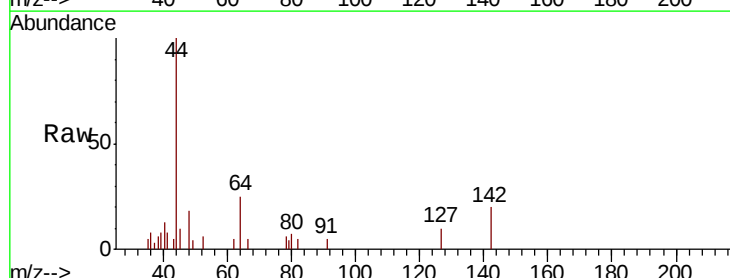
Tgt Ion: 142 Resp: 581

Ion Ratio Lower Upper

142 100

127 43.4 33.8 50.6

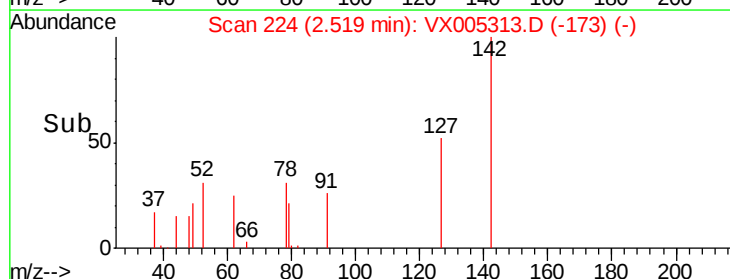
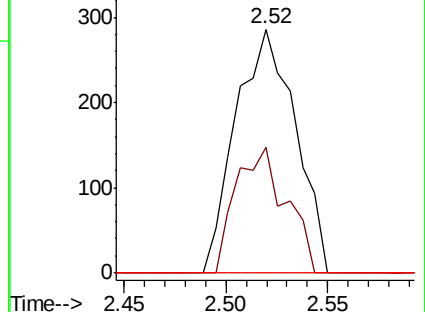
141 0.0 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



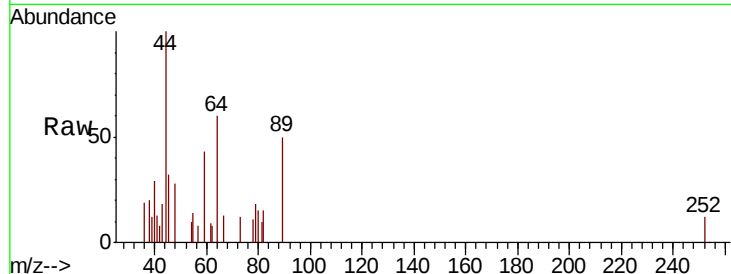


#11

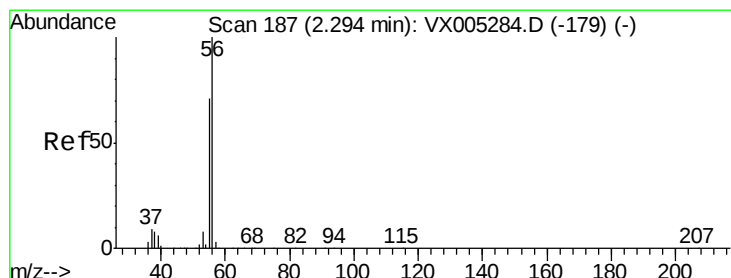
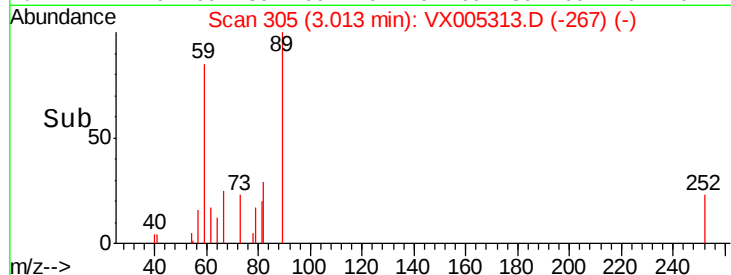
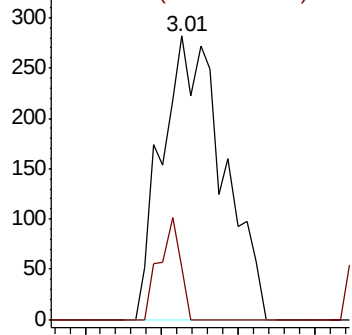
Tert butyl alcohol
Concen: 0.899 ug/l
RT: 3.01 min Scan# 305
Delta R.T. -0.07 min
Lab File: VX005313.D
Acq: 13 Oct 2018 00:57

Instrument :
MSVOA_X
ClientSampleId :
RE-122D3-IMP-20181004

Tot Ion: 59 Resp: 789
Ion Ratio Lower Upper
59 100
57 12.3 8.2 12.4



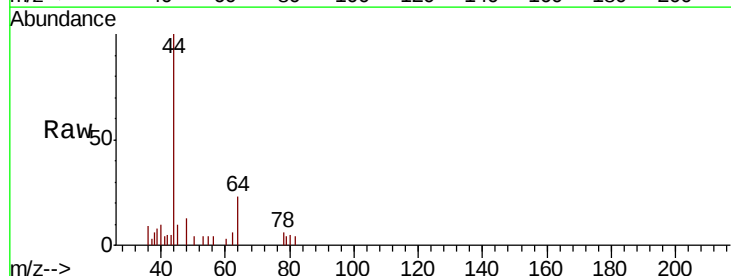
Abundance Ion 59.00 (58.70 to 59.70): VX0
Ion 57.00 (56.70 to 57.70): VX0



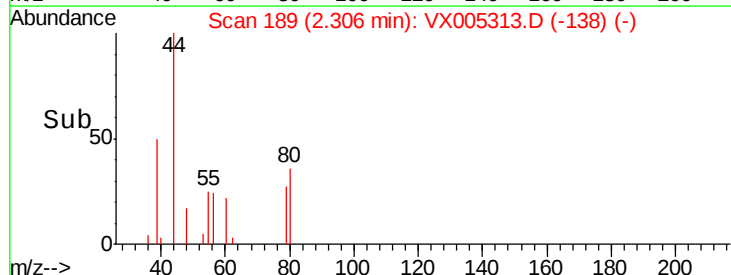
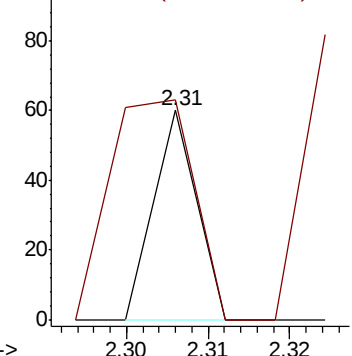
#13

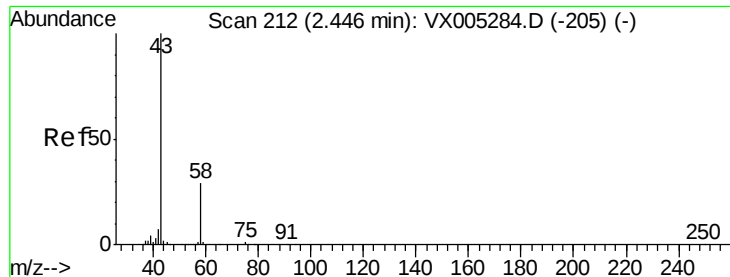
Acrolein
Concen: Below Cal
RT: 2.31 min Scan# 189
Delta R.T. 0.01 min
Lab File: VX005313.D
Acq: 13 Oct 2018 00:57

Tgt Ion: 56 Resp: 22
Ion Ratio Lower Upper
56 100
55 204.5 54.7 82.1#



Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 55.00 (54.70 to 55.70): VX0

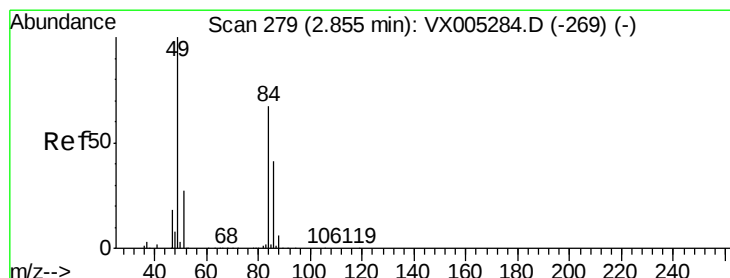
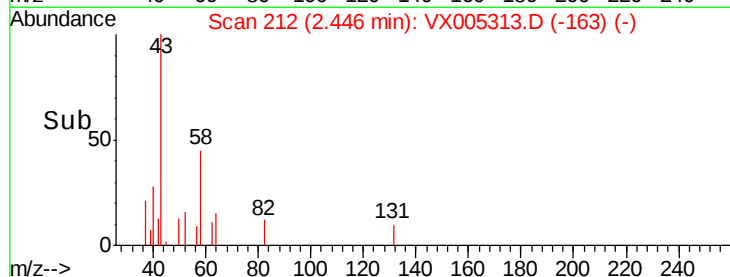
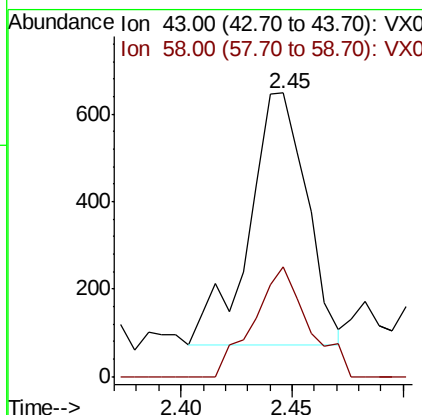
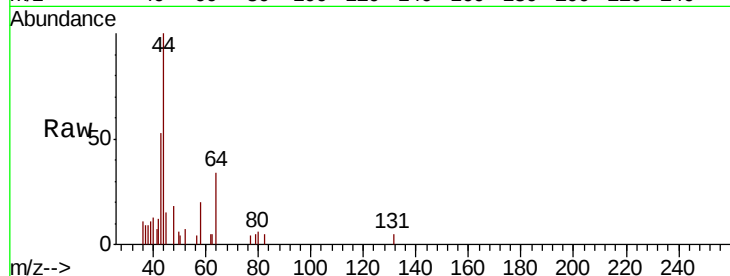




#16
Acetone
Concen: 0.578 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX005313.D
Acq: 13 Oct 2018 00:57

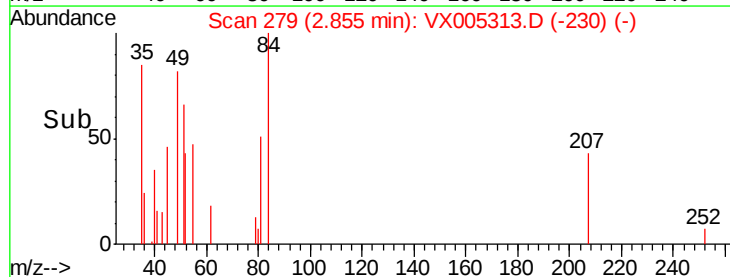
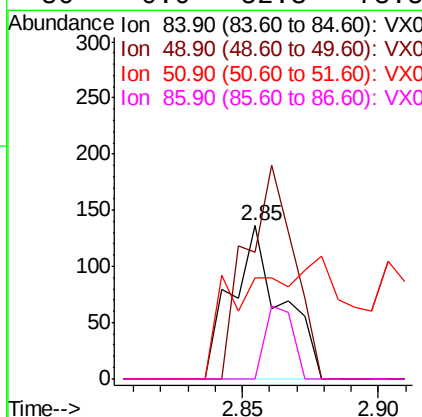
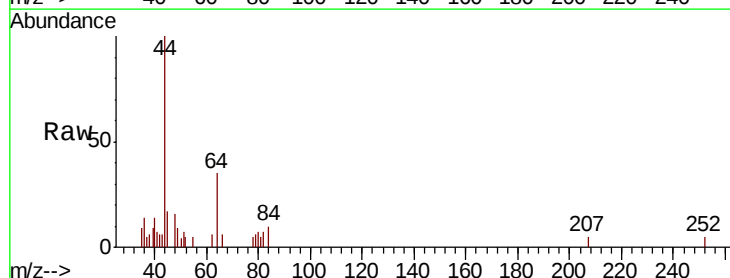
Instrument :
MSVOA_X
ClientSampleId :
RE-122D3-IMP-20181004

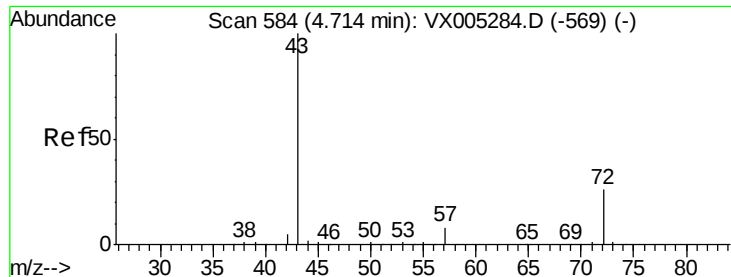
Tot Ion: 43 Resp: 1039
Ion Ratio Lower Upper
43 100
58 43.7 26.2 39.4#



#20
Methylene Chloride
Concen: Below Cal
RT: 2.85 min Scan# 279
Delta R.T. 0.00 min
Lab File: VX005313.D
Acq: 13 Oct 2018 00:57

Tgt Ion: 84 Resp: 173
Ion Ratio Lower Upper
84 100
49 82.4 101.2 151.8#
51 66.2 29.5 44.3#
86 0.0 52.3 78.5#





#25

2-Butanone

Concen: 0.845 ug/l

RT: 4.70 min Scan# 581

Delta R.T. -0.02 min

Lab File: VX005313.D

Acq: 13 Oct 2018 00:57

Instrument :

MSVOA_X

ClientSampleId :

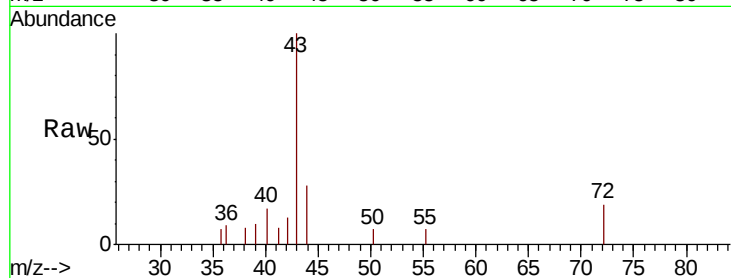
RE-122D3-IMP-20181004

Tot Ion: 43 Resp: 2223

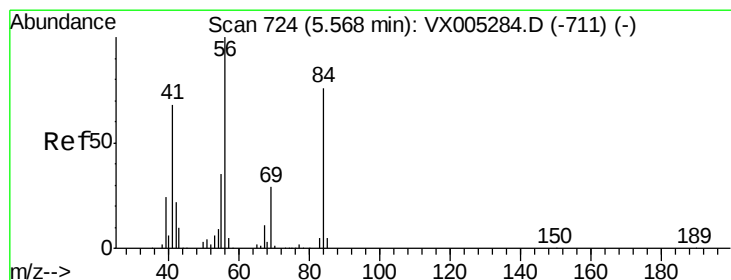
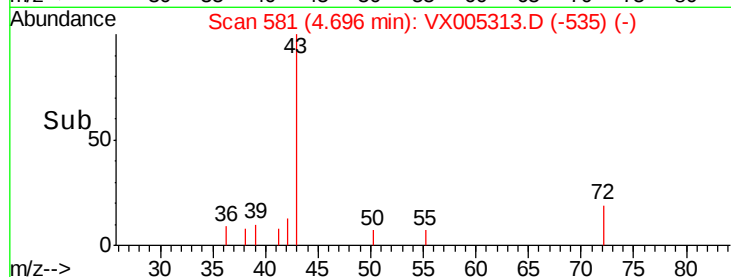
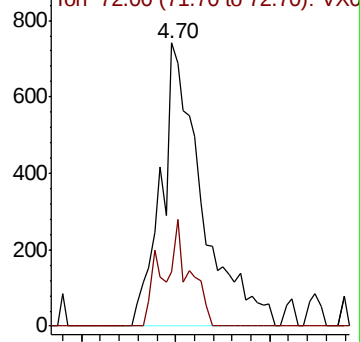
Ion Ratio Lower Upper

43 100

72 19.2 22.0 33.0#



Abundance Ion 43.00 (42.70 to 43.70): VX0



#31

Cyclohexane

Concen: 1.127 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.10 min

Lab File: VX005313.D

Acq: 13 Oct 2018 00:57

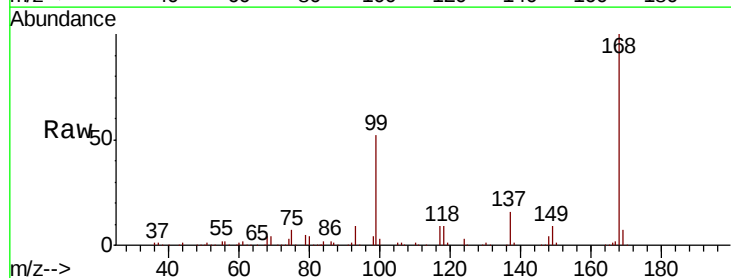
Tgt Ion: 56 Resp: 4818

Ion Ratio Lower Upper

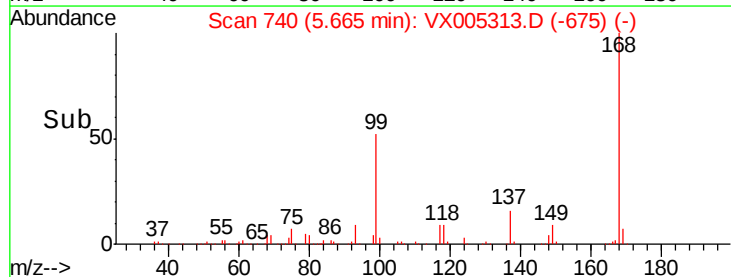
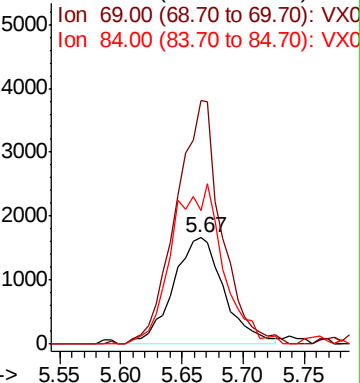
56 100

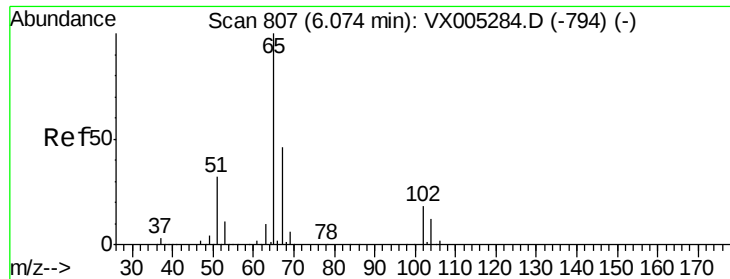
69 229.4 25.4 38.2#

84 125.6 71.4 107.2#



Abundance Ion 56.00 (55.70 to 56.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.832 ug/l

RT: 6.07 min Scan# 806

Delta R.T. -0.01 min

Lab File: VX005313.D

Acq: 13 Oct 2018 00:57

Instrument :

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ClientSampleId :

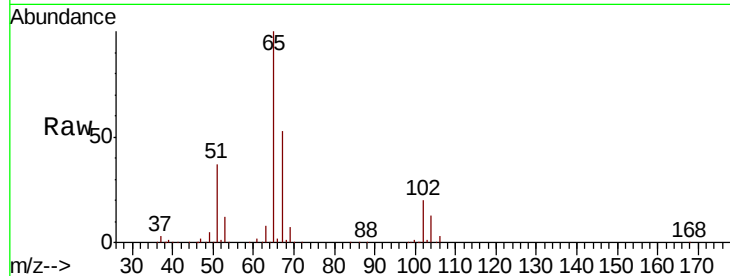
RE-122D3-IMP-20181004

Tot Ion: 65 Resp: 158079

Ion Ratio Lower Upper

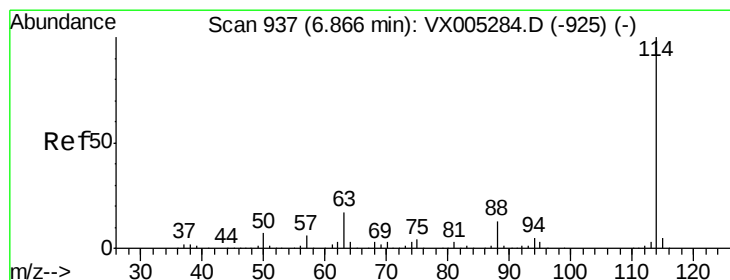
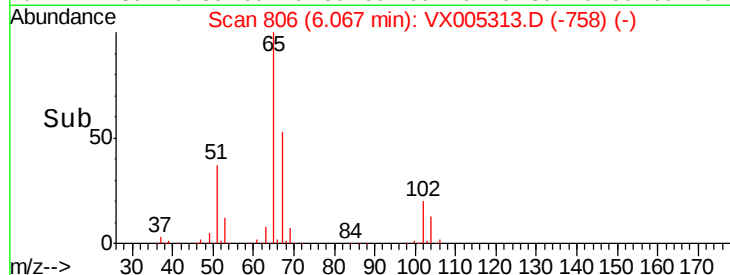
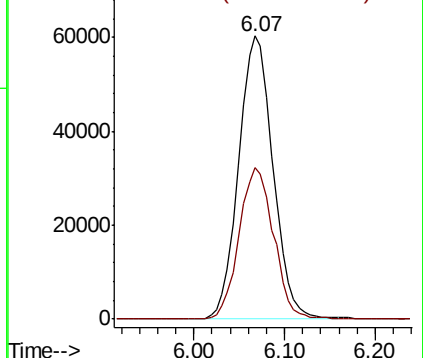
65 100

67 54.1 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: 6.87 min Scan# 937

Delta R.T. -0.00 min

Lab File: VX005313.D

Acq: 13 Oct 2018 00:57

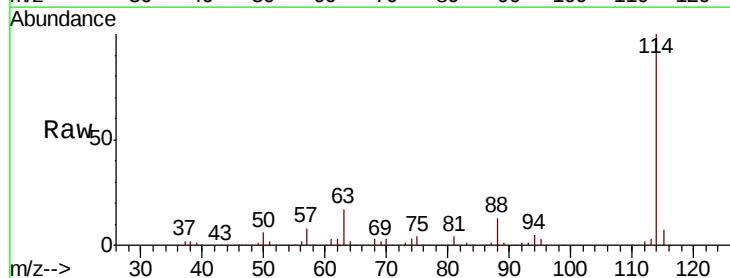
Tgt Ion: 114 Resp: 396450

Ion Ratio Lower Upper

114 100

63 17.1 0.0 39.0

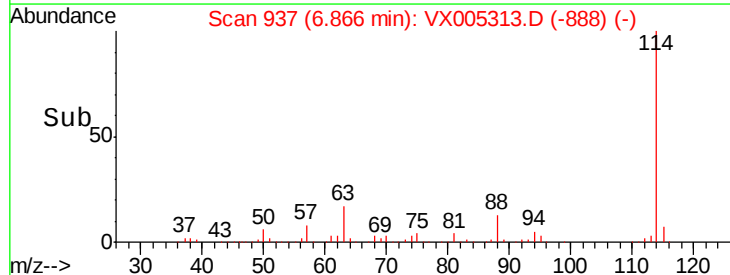
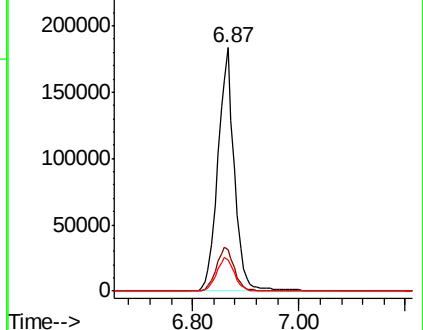
88 12.8 0.0 30.4

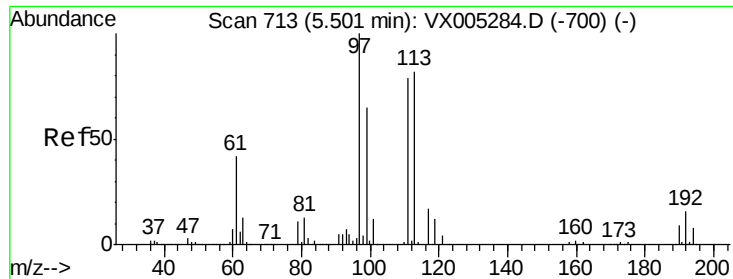


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

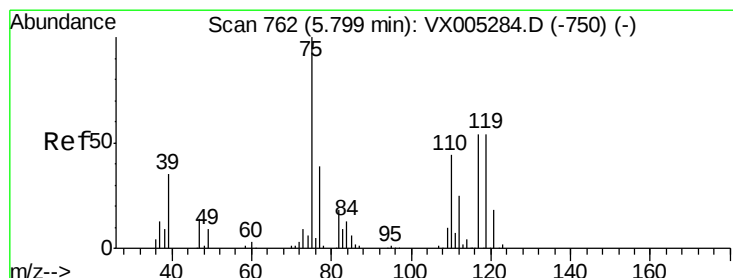
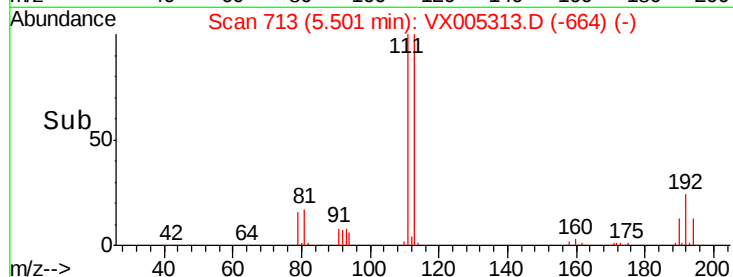
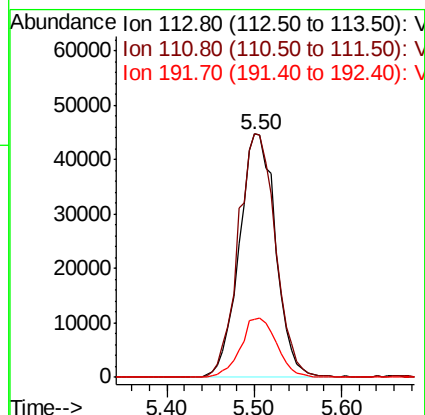
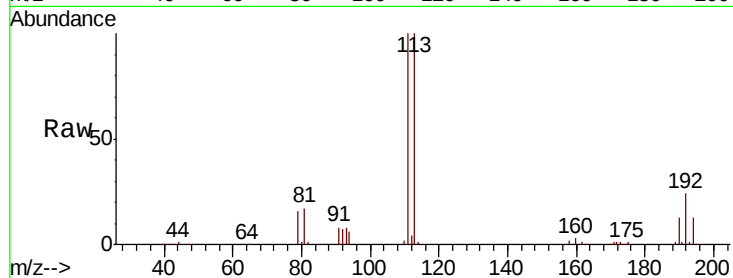




#35
 Dibromofluoromethane
 Concen: 49.189 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX005313.D
 Acq: 13 Oct 2018 00:57

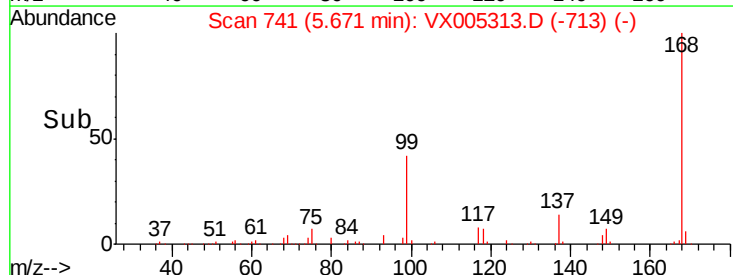
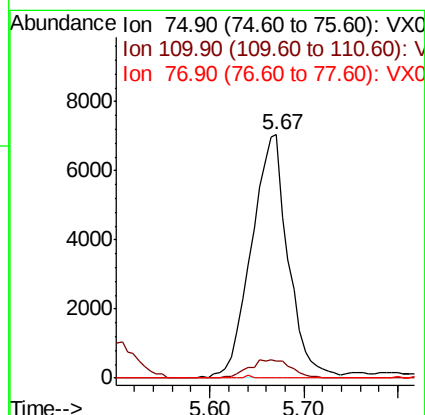
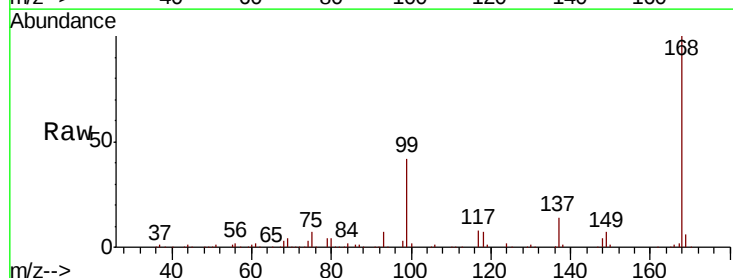
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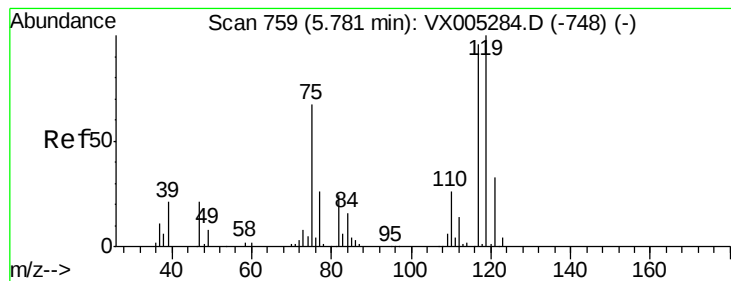
Tot Ion:113 Resp: 129159
 Ion Ratio Lower Upper
 113 100
 111 102.6 82.4 123.6
 192 24.4 19.4 29.2



#36
 1,1-Dichloropropene
 Concen: 5.015 ug/l
 RT: 5.67 min Scan# 741
 Delta R.T. -0.13 min
 Lab File: VX005313.D
 Acq: 13 Oct 2018 00:57

Tgt Ion: 75 Resp: 19254
 Ion Ratio Lower Upper
 75 100
 110 8.8 18.0 54.0#
 77 0.0 24.6 36.8#





#38

Carbon Tetrachloride

Concen: 6.669 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.12 min

Lab File: VX005313.D

Acq: 13 Oct 2018 00:57

Instrument :

MSVOA_X

ClientSampleId :

RE-122D3-IMP-20181004

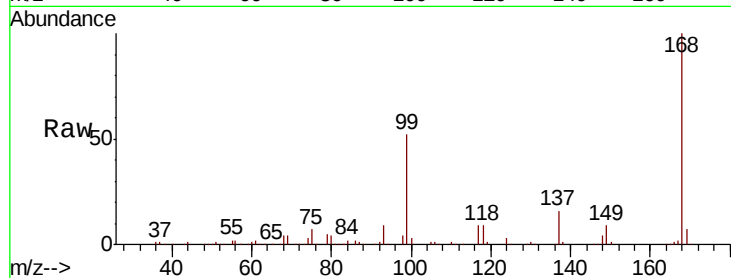
Tot Ion:117 Resp: 25728

Ion Ratio Lower Upper

117 100

119 5.6 78.8 118.2#

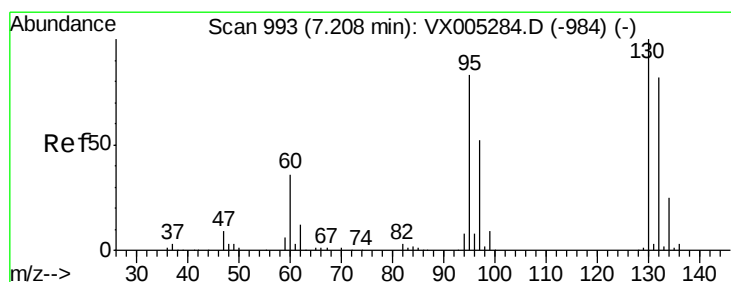
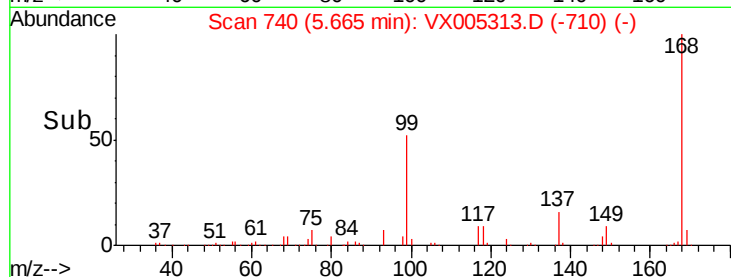
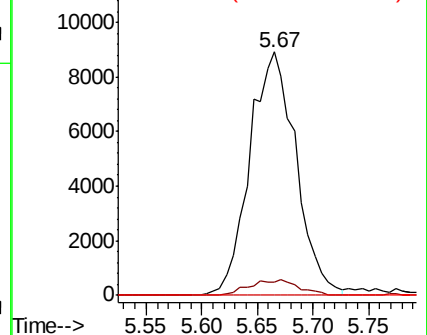
121 0.0 24.9 37.3#



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: 1.388 ug/l

RT: 7.22 min Scan# 995

Delta R.T. 0.01 min

Lab File: VX005313.D

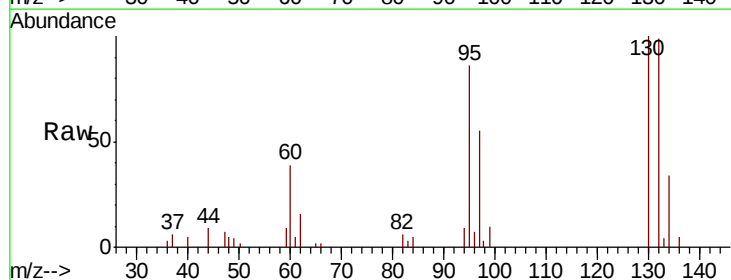
Acq: 13 Oct 2018 00:57

Tgt Ion:130 Resp: 5861

Ion Ratio Lower Upper

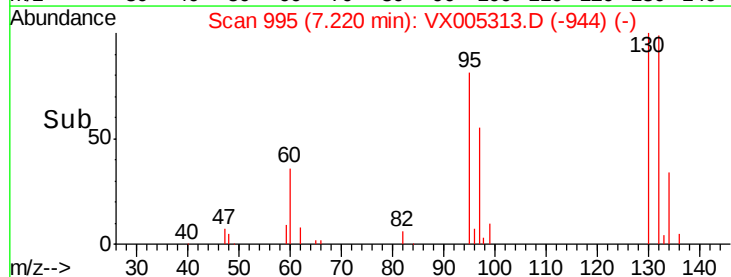
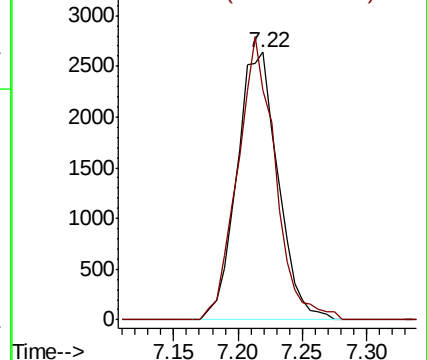
130 100

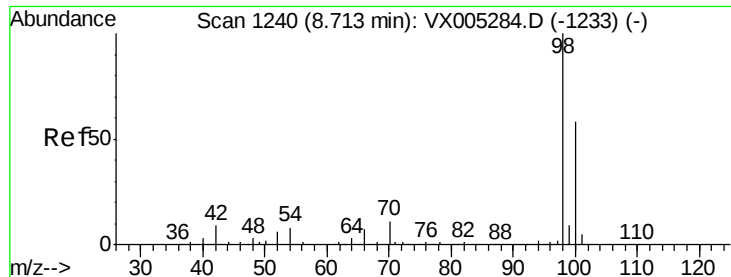
95 86.0 0.0 181.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0





#50

Toluene-d8

Concen: 51.522 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005313.D

Acq: 13 Oct 2018 00:57

Instrument :

MSVOA_X

ClientSampleId :

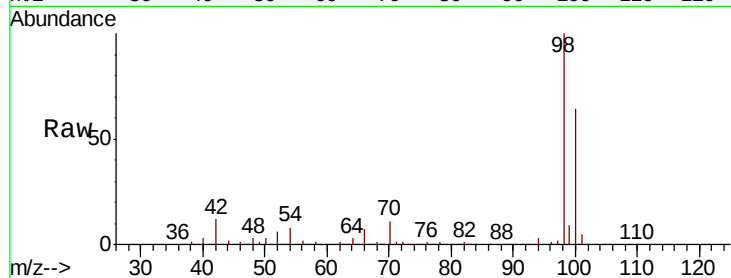
RE-122D3-IMP-20181004

Tot Ion: 98 Resp: 464447

Ion Ratio Lower Upper

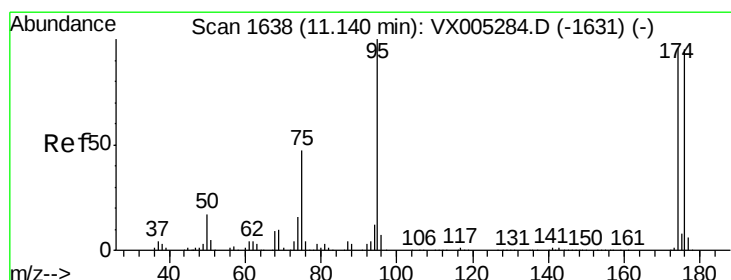
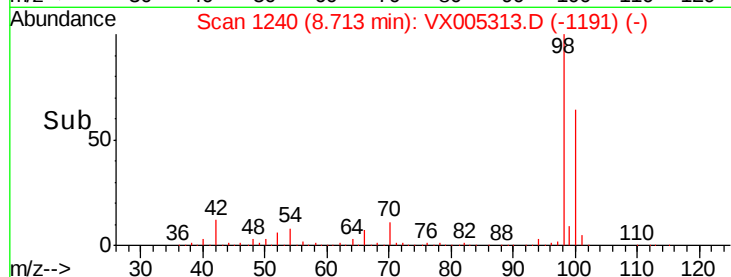
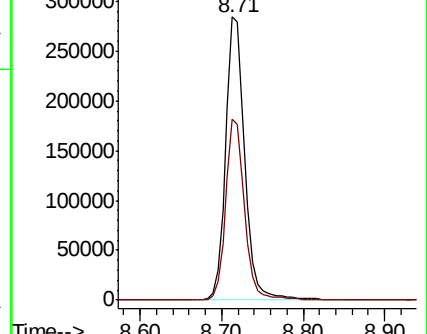
98 100

100 63.3 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: 44.176 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005313.D

Acq: 13 Oct 2018 00:57

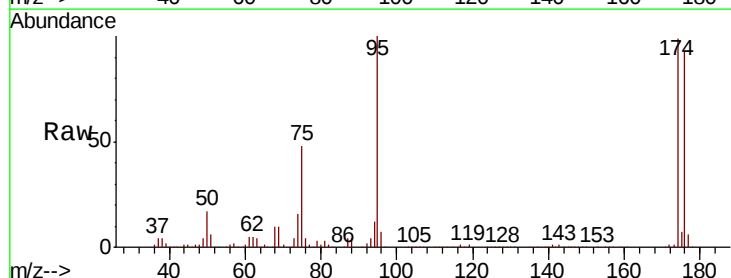
Tgt Ion: 95 Resp: 149599

Ion Ratio Lower Upper

95 100

174 97.9 0.0 185.2

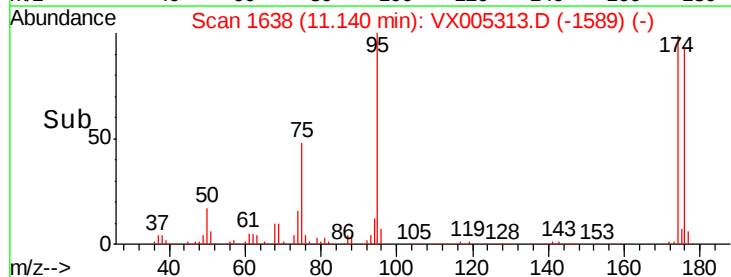
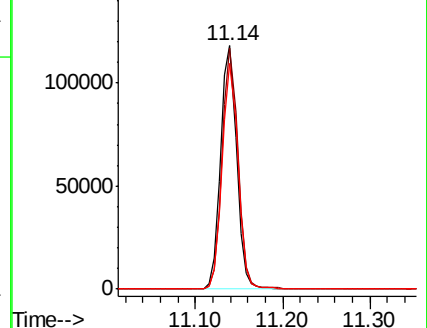
176 91.9 0.0 178.6

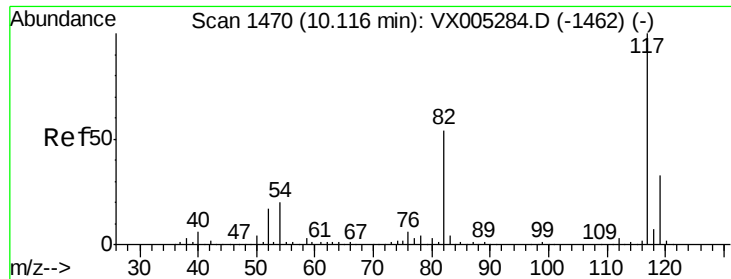


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

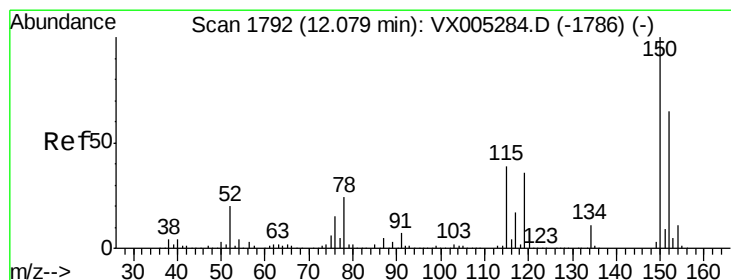
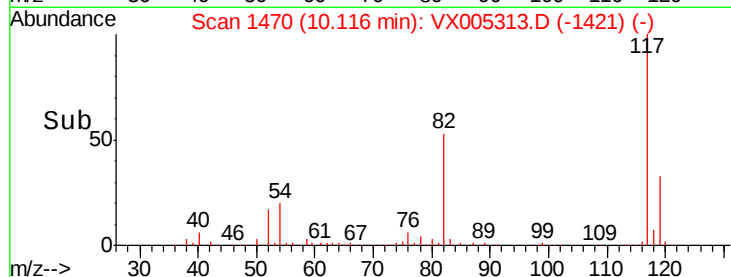
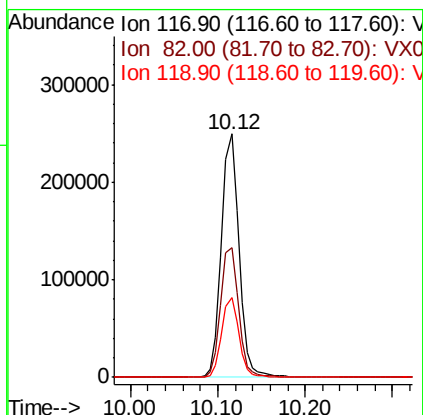
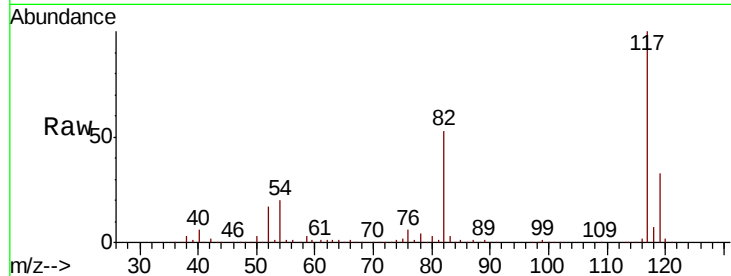




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005313.D
Acq: 13 Oct 2018 00:57

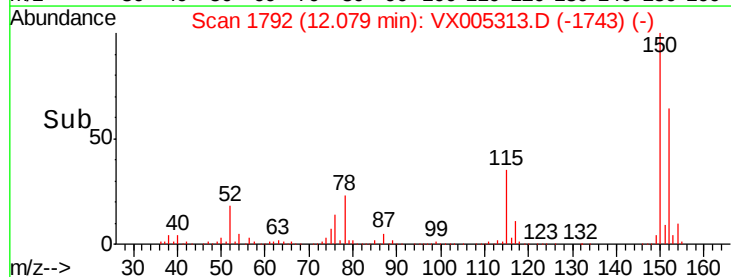
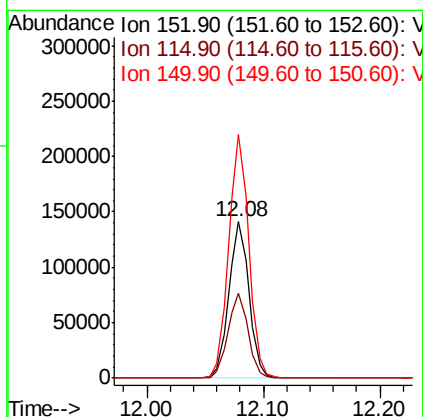
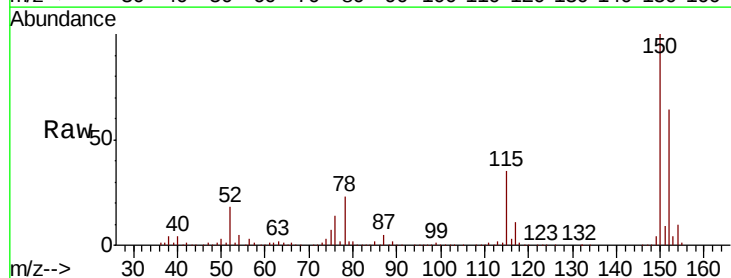
Instrument :
MSVOA_X
ClientSampleId :
RE-122D3-IMP-20181004

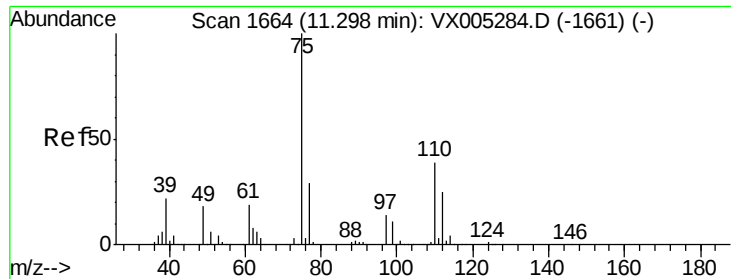
Tot Ion:117 Resp: 346910
Ion Ratio Lower Upper
117 100
82 53.4 47.8 71.6
119 32.9 29.3 43.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005313.D
Acq: 13 Oct 2018 00:57

Tgt Ion:152 Resp: 168940
Ion Ratio Lower Upper
152 100
115 54.4 39.0 117.0
150 155.8 0.0 351.0





#76

1,2,3-Trichloropropane

Concen: 22.615 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005313.D

Acq: 13 Oct 2018 00:57

Instrument :

MSVOA_X

ClientSampleId :

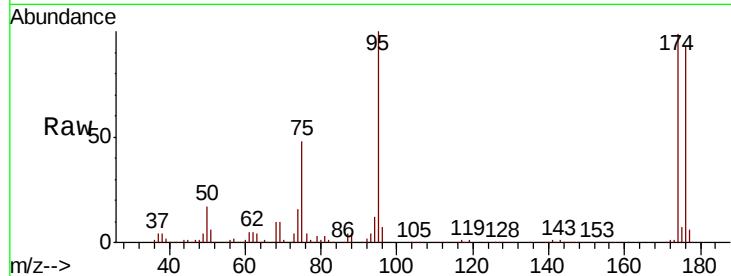
RE-122D3-IMP-20181004

Tot Ion: 75 Resp: 74107

Ion Ratio Lower Upper

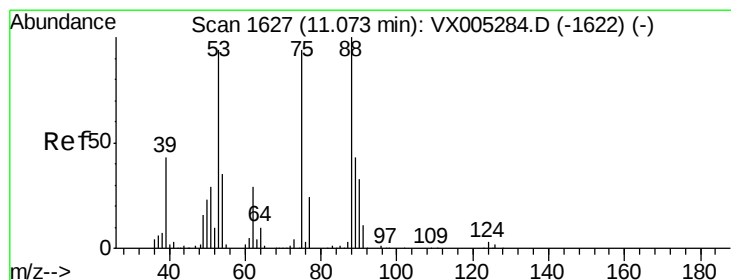
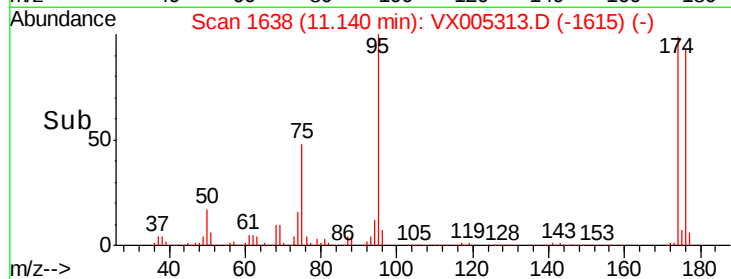
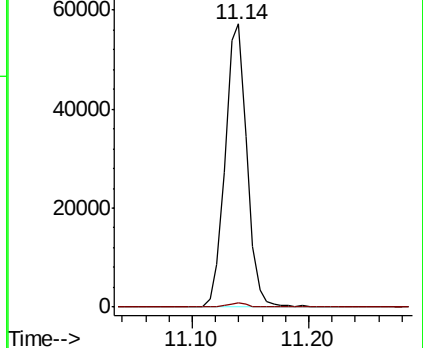
75 100

77 1.5 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: 68.714 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005313.D

Acq: 13 Oct 2018 00:57

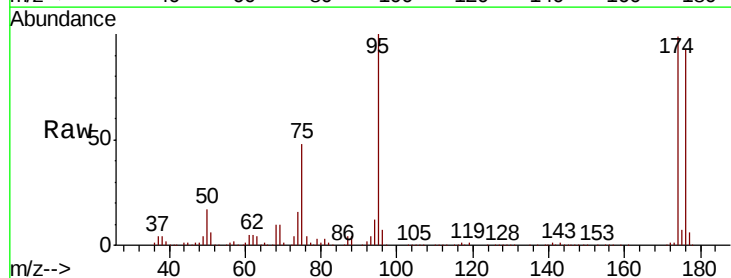
Tgt Ion: 75 Resp: 74107

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

