

Data File : VX001375.D

Acq On : 03 May 2018 22:27

Operator : JC/MD

Sample : J2679-06 5X

Misc : 5.0mL/MSVOA_X/WATER

ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
EO-01-050218-C

Quant Time: May 04 07:18:21 2018

Quant Method : W:\HPCHEM1\MSVOA_X\METHOD\82X050118W.M

Quant Title : SW846 8260

QLast Update : Wed May 02 01:48:25 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	152196	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	216719	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	194408	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.09	152	96641	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.08	65	82144	38.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.98%	
35) Dibromofluoromethane	5.51	113	67282	36.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	72.08%	
50) Toluene-d8	8.72	98	251749	37.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	75.48%	
62) 4-Bromofluorobenzene	11.14	95	81881	30.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	61.38%	

Target Compounds

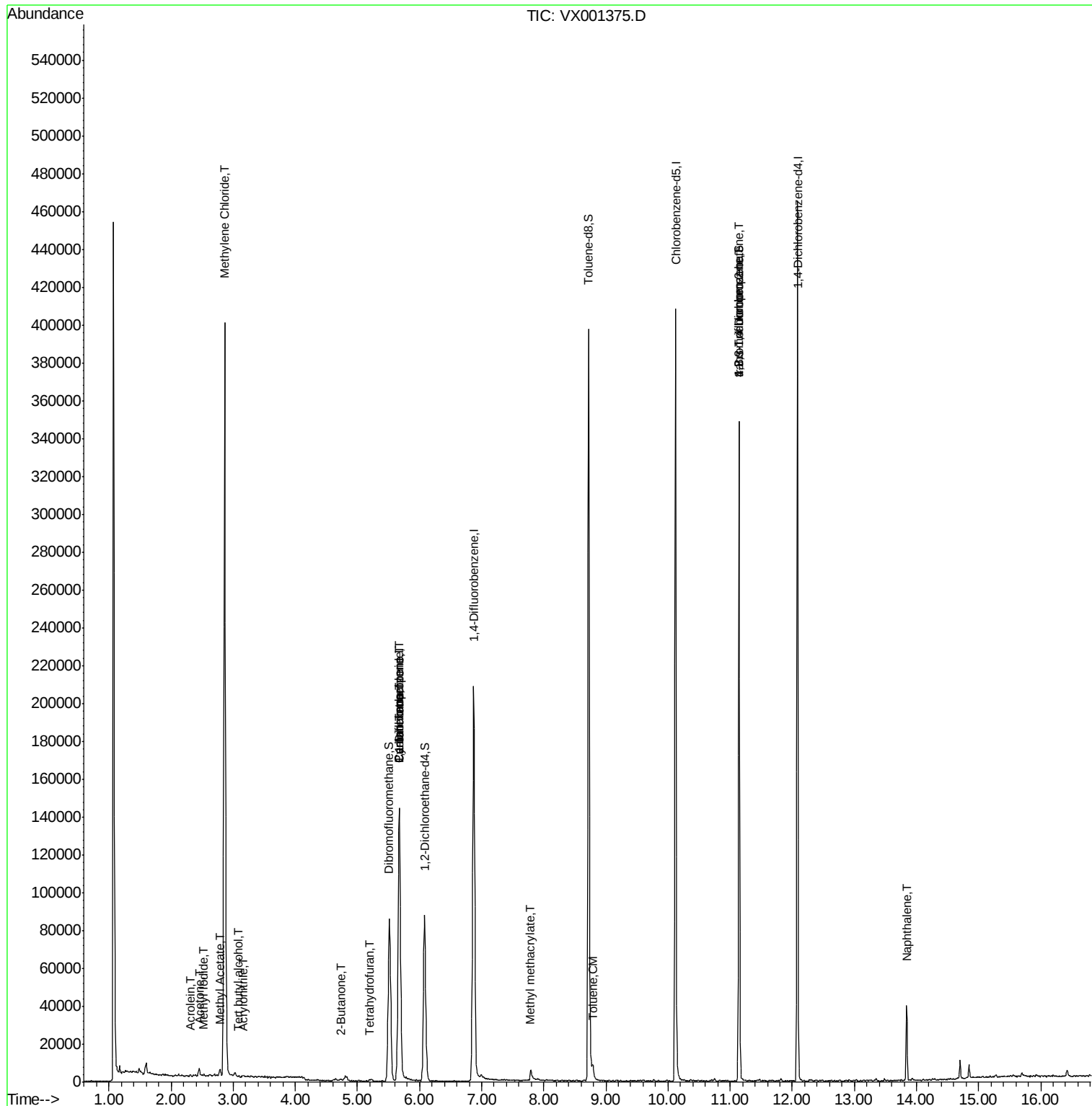
						Qvalue
5) Bromomethane	1.65	94	554	Below Cal		93
10) Methyl Iodide	2.52	142	538	4.60 ug/l #		79
11) Tert butyl alcohol	3.07	59	334	0.92 ug/l #		18
13) Acrolein	2.32	56	113	0.54 ug/l #		1
15) Acrylonitrile	3.16	53	226	0.27 ug/l #		44
16) Acetone	2.45	43	3713	4.13 ug/l #		86
18) Methyl Acetate	2.78	43	4381	2.06 ug/l		98
20) Methylene Chloride	2.86	84	180289	113.12 ug/l		100
25) 2-Butanone	4.73	43	1051	0.86 ug/l		93
29) Tetrahydrofuran	5.19	42	651	0.87 ug/l #		62
31) Cyclohexane	5.67	56	2754	1.06 ug/l #		24
36) 1,1-Dichloropropene	5.67	75	9640	3.85 ug/l #		50
38) Carbon Tetrachloride	5.68	117	12441	4.75 ug/l #		17
48) Methyl methacrylate	7.79	41	608	0.28 ug/l #		20
52) Toluene	8.79	92	1535	0.33 ug/l		97
76) 1,2,3-Trichloropropane	11.15	75	41246	23.08 ug/l #		39
81) trans-1,4-Dichloro-2-buten	11.15	75	41246	72.94 ug/l #		6
95) Naphthalene	13.84	128	24755	3.50 ug/l		100

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

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.00 min

Lab File: VX001375.D

Acq: 03 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

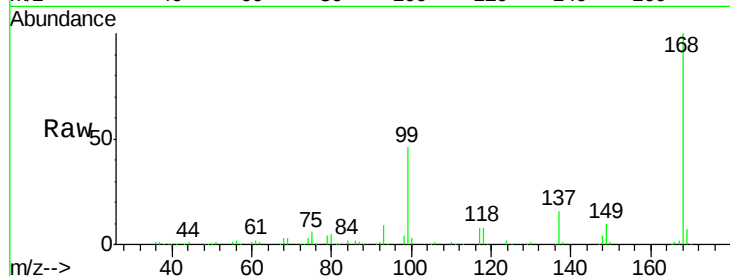
EO-01-050218-C

Tgt Ion: 168 Resp: 152196

Ion Ratio Lower Upper

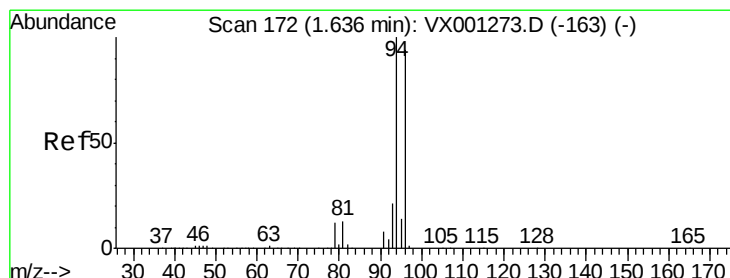
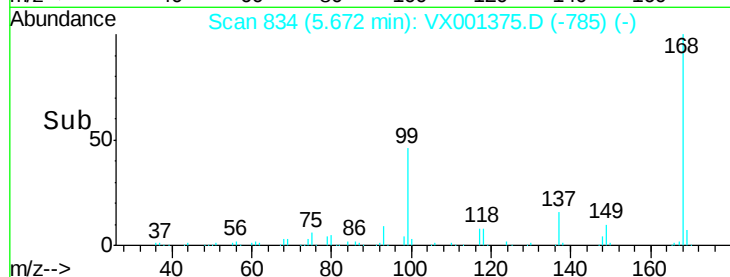
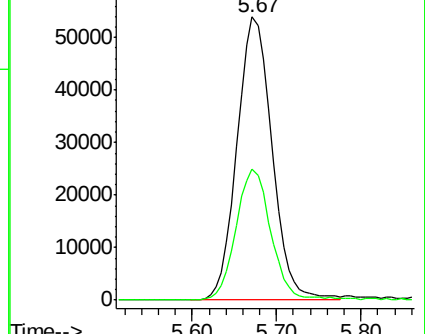
168 100

99 46.3 36.5 54.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.65 min Scan# 174

Delta R.T. 0.01 min

Lab File: VX001375.D

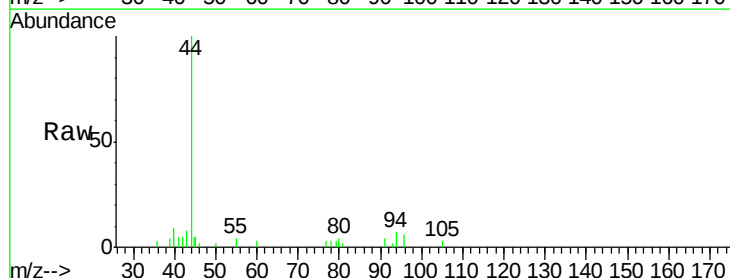
Acq: 03 May 2018 22:27

Tgt Ion: 94 Resp: 554

Ion Ratio Lower Upper

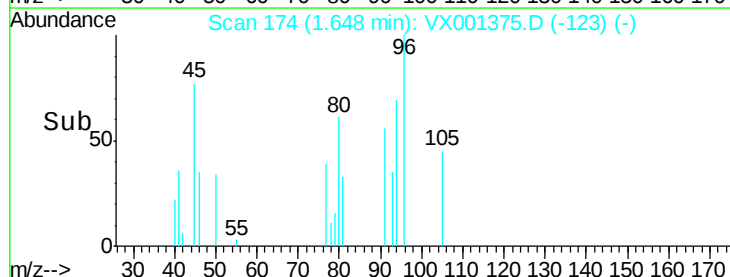
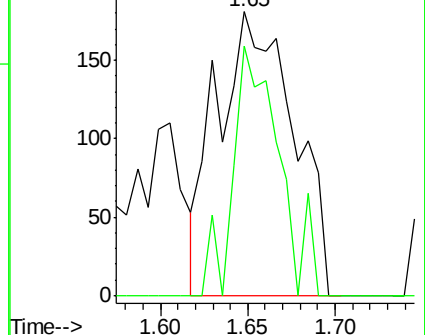
94 100

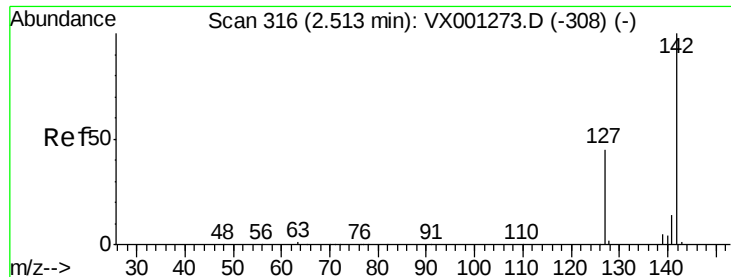
96 87.8 75.6 113.4



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

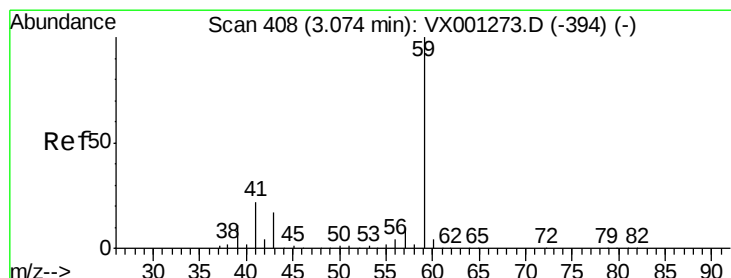
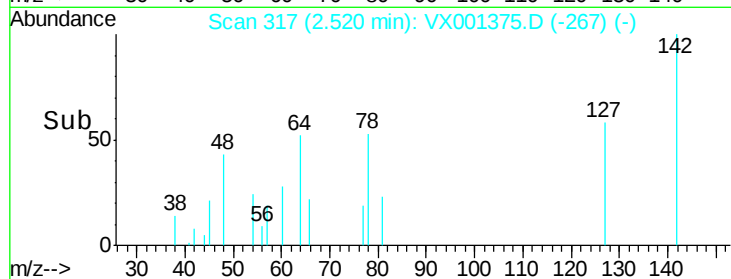
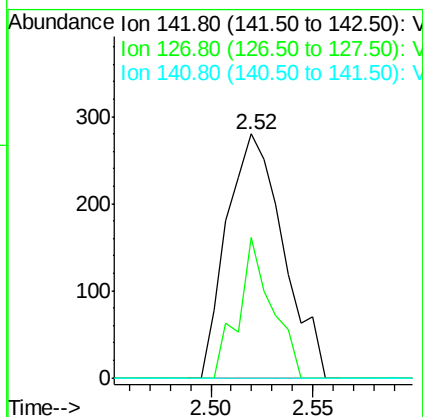
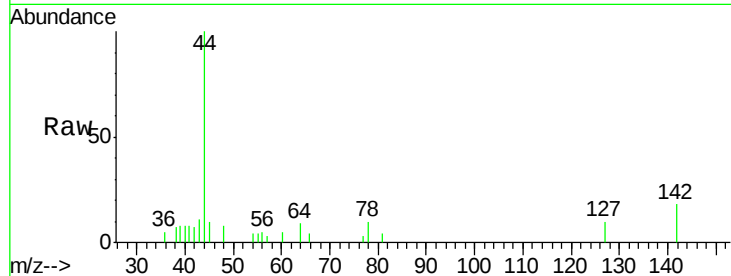




#10
Methyl Iodide
Concen: 4.60 ug/l
RT: 2.52 min Scan# 317
Delta R.T. 0.01 min
Lab File: VX001375.D
Acq: 03 May 2018 22:27

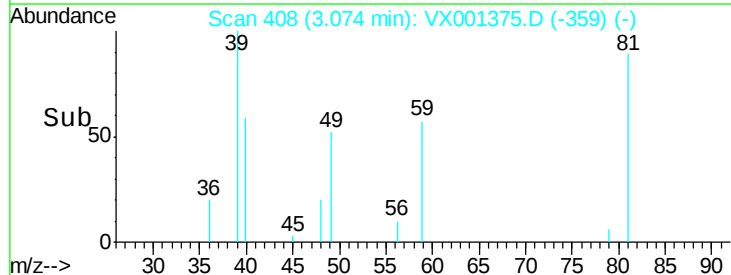
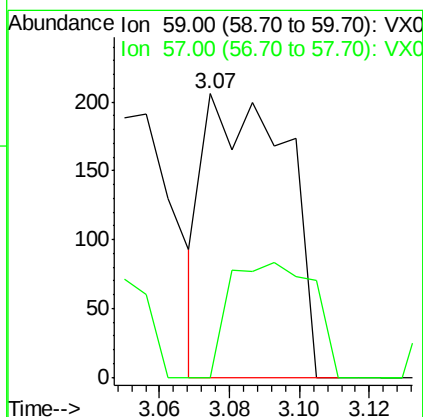
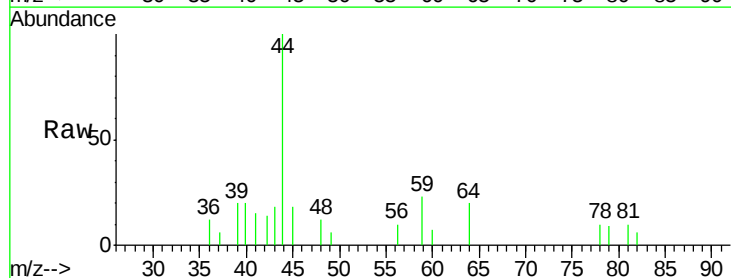
Instrument :
MSVOA_X
ClientSampleId :
EO-01-050218-C

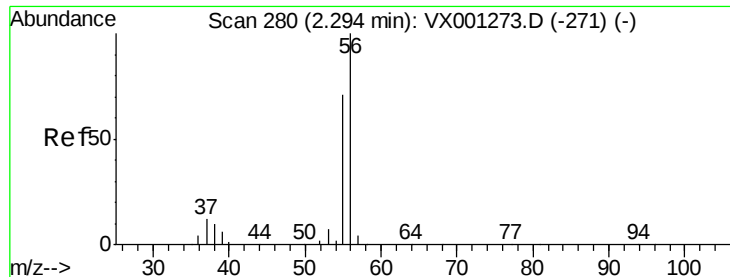
Tgt Ion: 142 Resp: 538
Ion Ratio Lower Upper
142 100
127 34.0 35.7 53.5#
141 0.0 11.4 17.0#



#11
Tert butyl alcohol
Concen: 0.92 ug/l
RT: 3.07 min Scan# 408
Delta R.T. 0.00 min
Lab File: VX001375.D
Acq: 03 May 2018 22:27

Tgt Ion: 59 Resp: 334
Ion Ratio Lower Upper
59 100
57 41.6 8.6 12.8#





#13

Acrolein

Concen: 0.54 ug/l

RT: 2.32 min Scan# 284

Delta R.T. 0.02 min

Lab File: VX001375.D

Acq: 03 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

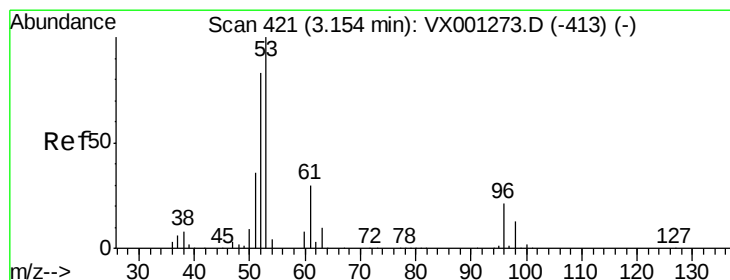
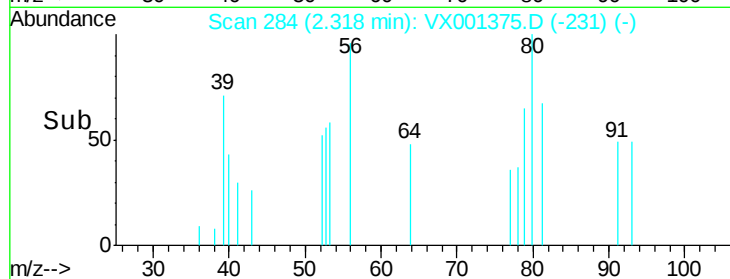
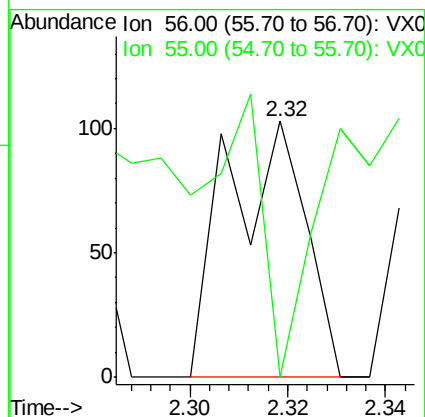
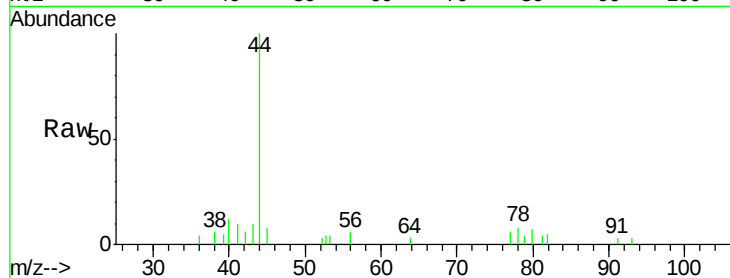
EO-01-050218-C

Tgt Ion: 56 Resp: 113

Ion Ratio Lower Upper

56 100

55 174.3 57.2 85.8#



#15

Acrylonitrile

Concen: 0.27 ug/l

RT: 3.16 min Scan# 422

Delta R.T. 0.01 min

Lab File: VX001375.D

Acq: 03 May 2018 22:27

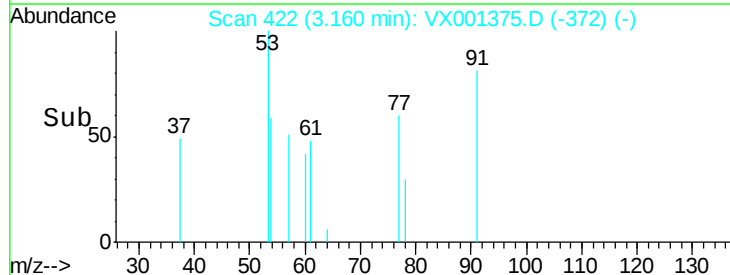
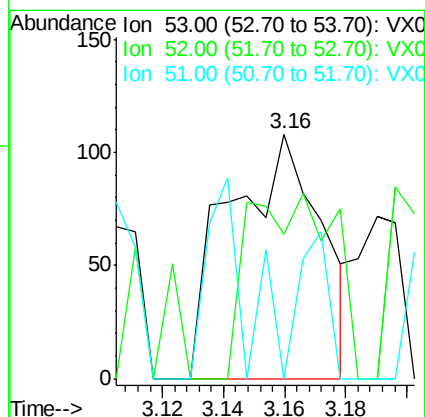
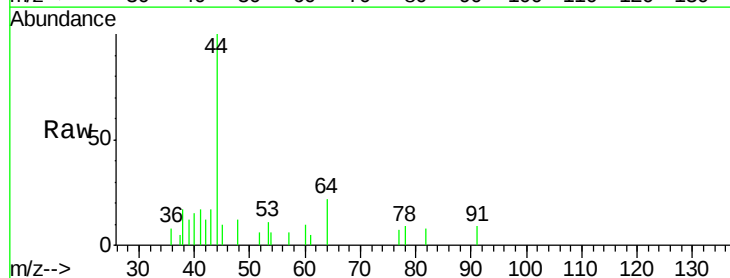
Tgt Ion: 53 Resp: 226

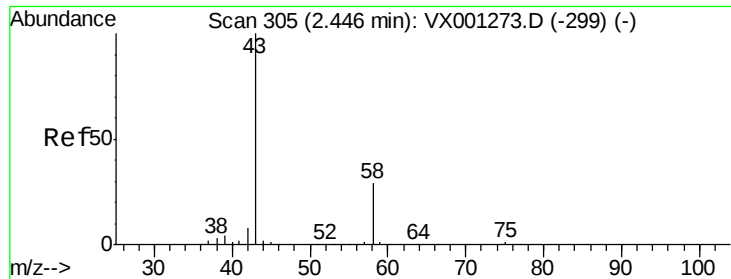
Ion Ratio Lower Upper

53 100

52 35.4 67.0 100.4#

51 0.0 29.9 44.9#





#16

Acetone

Concen: 4.13 ug/l

RT: 2.45 min Scan# 306

Delta R.T. 0.01 min

Lab File: VX001375.D

Acq: 03 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

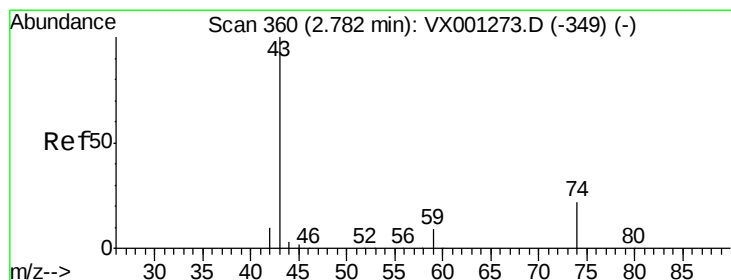
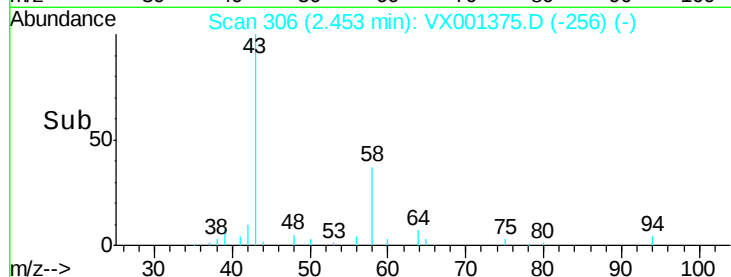
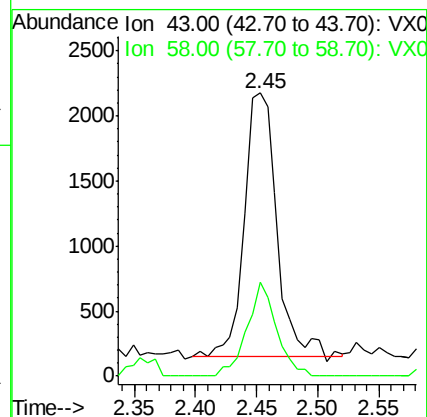
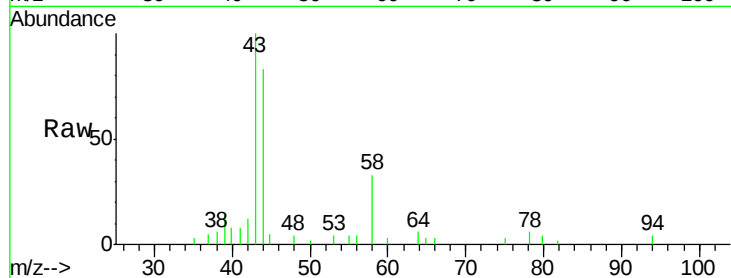
EO-01-050218-C

Tgt Ion: 43 Resp: 3713

Ion Ratio Lower Upper

43 100

58 35.7 22.8 34.2#



#18

Methyl Acetate

Concen: 2.06 ug/l

RT: 2.78 min Scan# 360

Delta R.T. 0.00 min

Lab File: VX001375.D

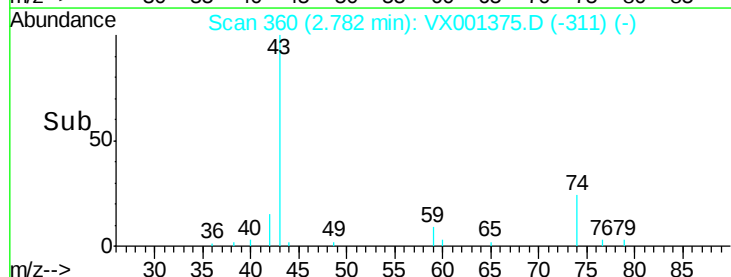
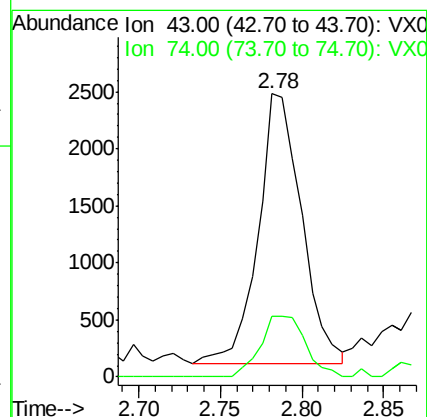
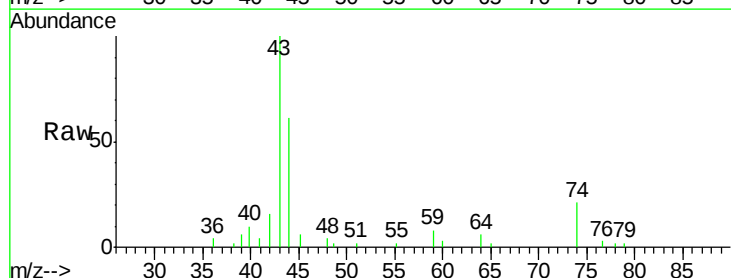
Acq: 03 May 2018 22:27

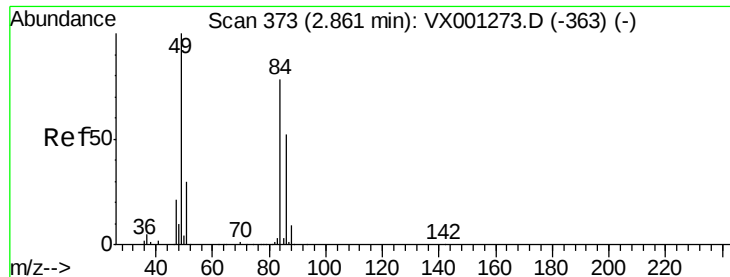
Tgt Ion: 43 Resp: 4381

Ion Ratio Lower Upper

43 100

74 23.2 17.8 26.6





#20

Methylene Chloride

Concen: 113.12 ug/l

RT: 2.86 min Scan# 373

Delta R.T. 0.00 min

Lab File: VX001375.D

Acq: 03 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

EO-01-050218-C

Tgt Ion: 84 Resp: 180289

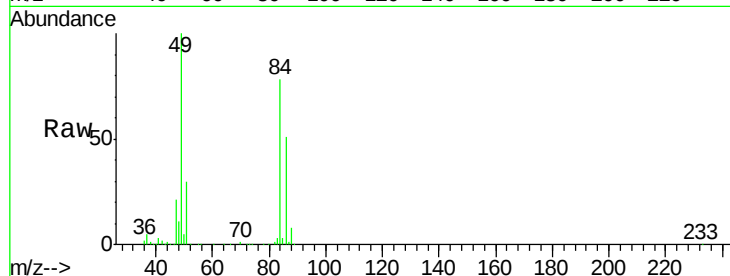
Ion Ratio Lower Upper

84 100

49 128.4 102.8 154.2

51 38.4 30.9 46.3

86 65.7 53.0 79.4

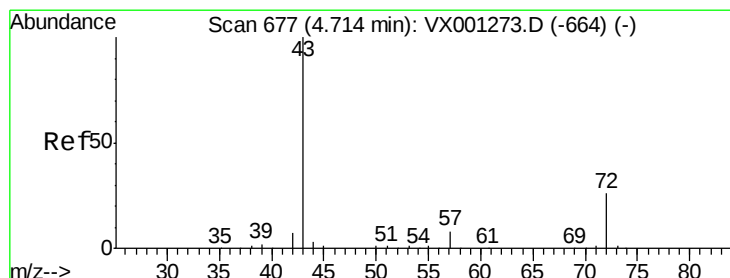
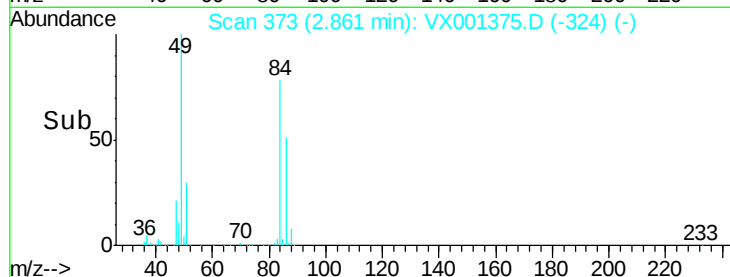
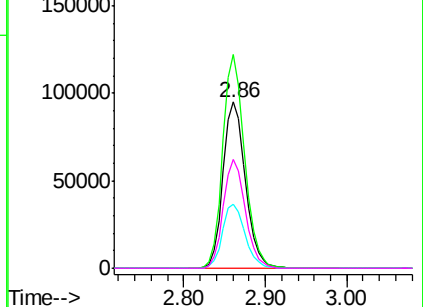


Abundance Ion 83.90 (83.60 to 84.60): VX0

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: 0.86 ug/l

RT: 4.73 min Scan# 680

Delta R.T. 0.02 min

Lab File: VX001375.D

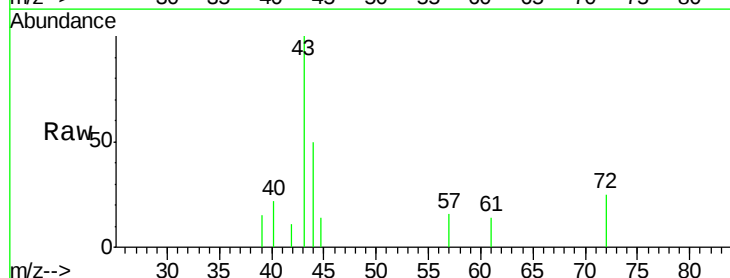
Acq: 03 May 2018 22:27

Tgt Ion: 43 Resp: 1051

Ion Ratio Lower Upper

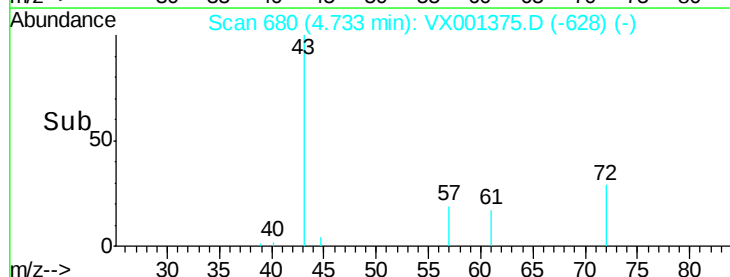
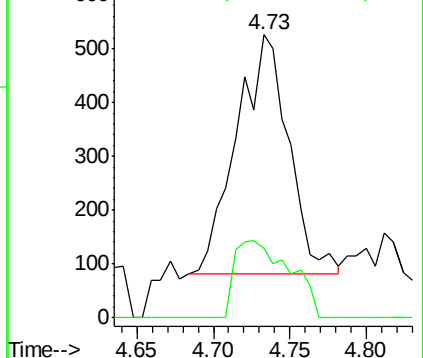
43 100

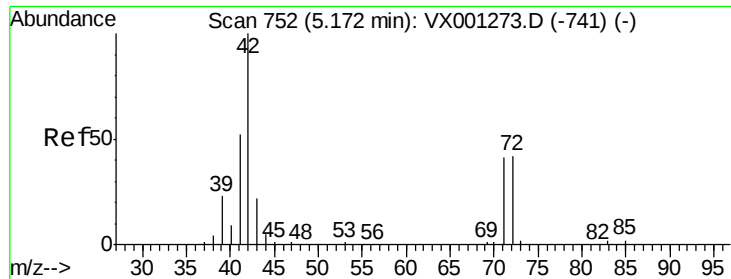
72 29.1 20.5 30.7



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0





#29

Tetrahydrofuran

Concen: 0.87 ug/l

RT: 5.19 min Scan# 755

Delta R.T. 0.02 min

Lab File: VX001375.D

Acq: 03 May 2018 22:27

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EO-01-050218-C

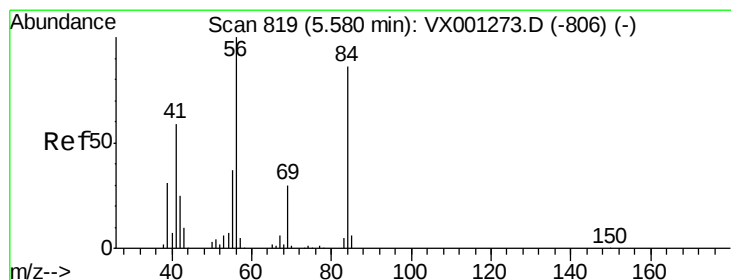
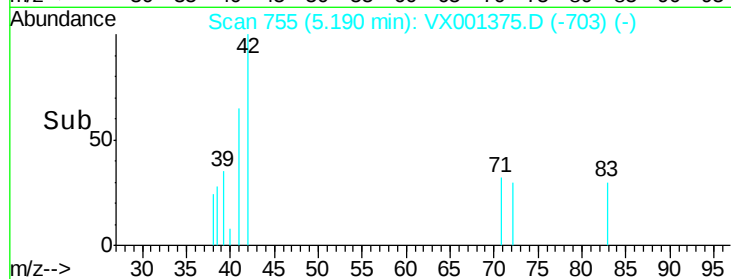
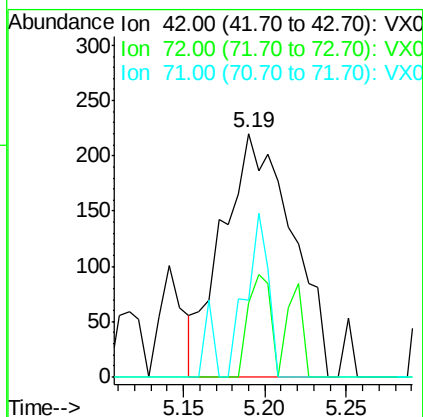
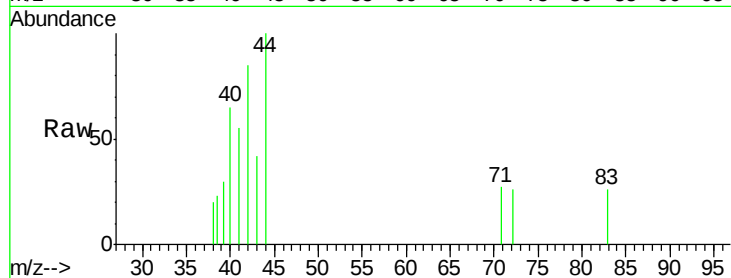
Tgt Ion: 42 Resp: 651

Ion Ratio Lower Upper

42 100

72 13.8 34.6 52.0#

71 21.8 32.7 49.1#



#31

Cyclohexane

Concen: 1.06 ug/l

RT: 5.67 min Scan# 834

Delta R.T. 0.09 min

Lab File: VX001375.D

Acq: 03 May 2018 22:27

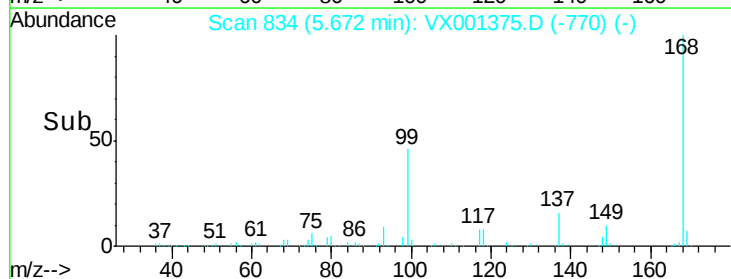
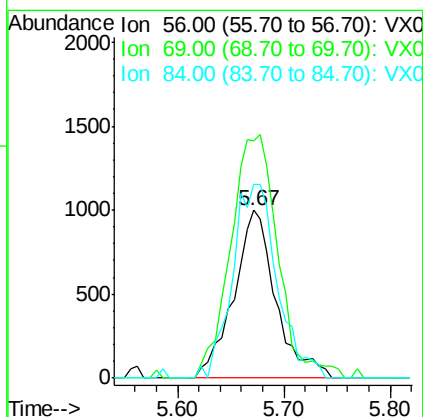
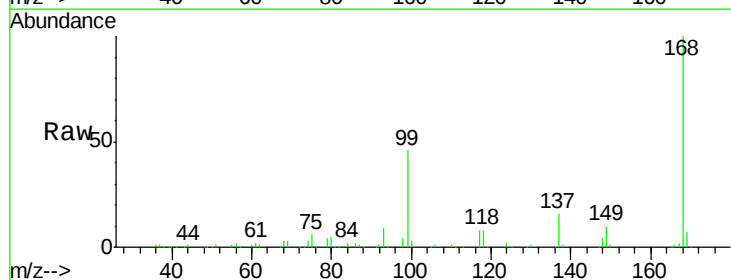
Tgt Ion: 56 Resp: 2754

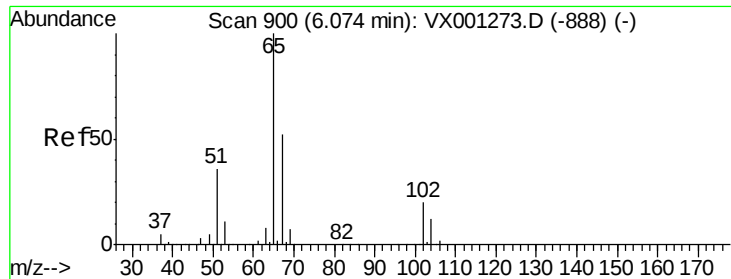
Ion Ratio Lower Upper

56 100

69 141.2 24.0 36.0#

84 115.0 69.0 103.4#

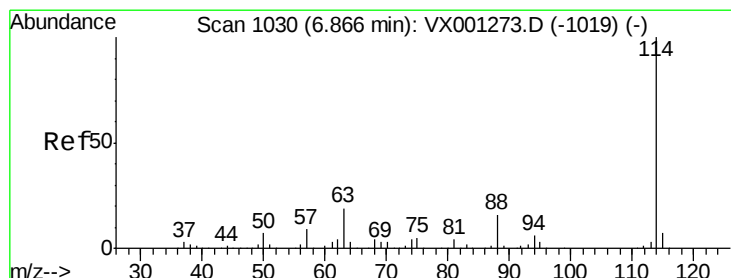
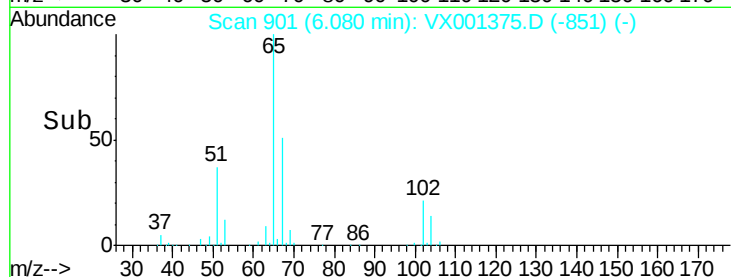
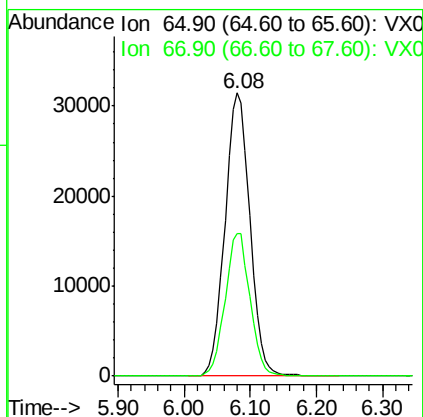
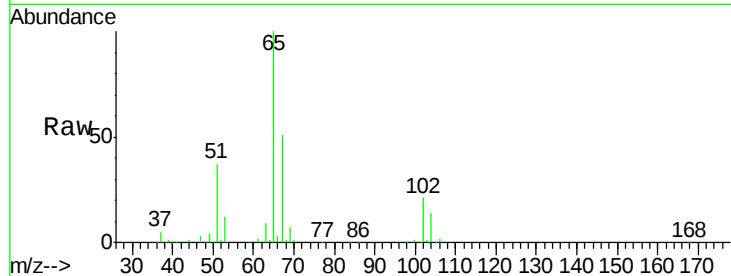




#33
 1,2-Dichloroethane-d4
 Concen: 38.99 ug/l
 RT: 6.08 min Scan# 901
 Delta R.T. 0.01 min
 Lab File: VX001375.D
 Acq: 03 May 2018 22:27

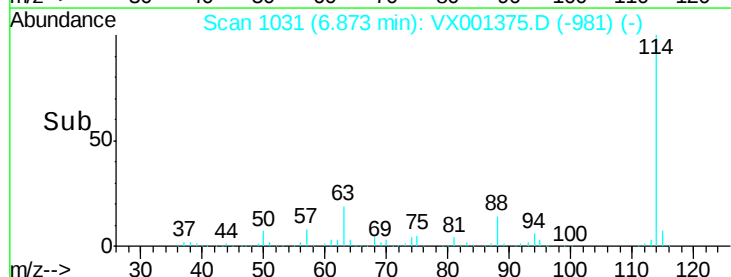
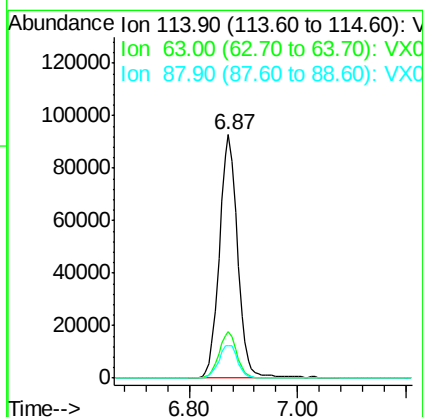
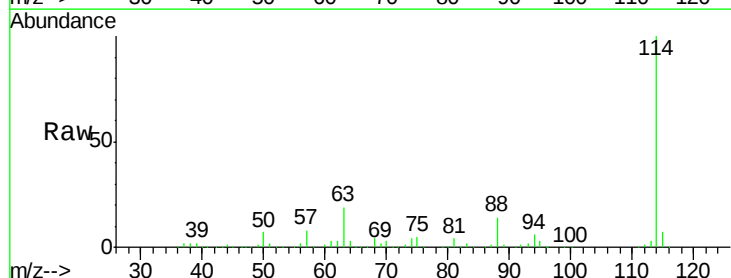
Instrument :
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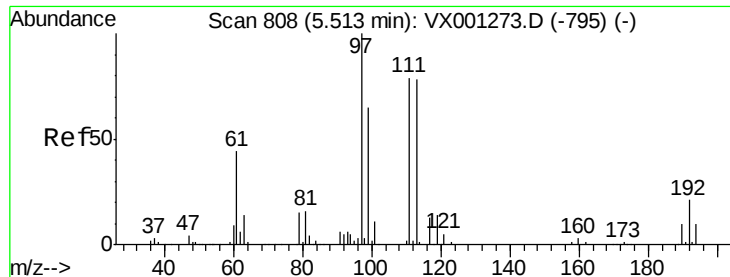
Tgt Ion: 65 Resp: 82144
 Ion Ratio Lower Upper
 65 100
 67 50.2 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1031
 Delta R.T. 0.01 min
 Lab File: VX001375.D
 Acq: 03 May 2018 22:27

Tgt Ion: 114 Resp: 216719
 Ion Ratio Lower Upper
 114 100
 63 18.9 0.0 38.8
 88 13.5 0.0 32.2





#35

Dibromofluoromethane

Concen: 36.04 ug/l

RT: 5.51 min Scan# 808

Delta R.T. 0.00 min

Lab File: VX001375.D

Acq: 03 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

EO-01-050218-C

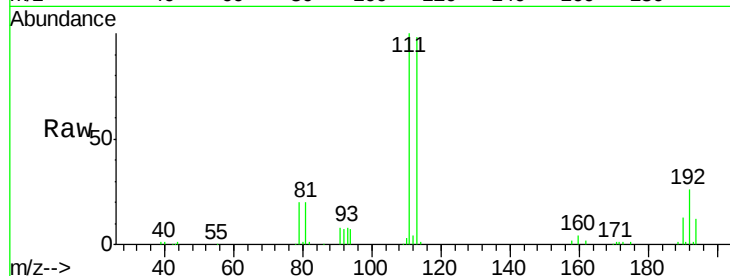
Tgt Ion:113 Resp: 67282

Ion Ratio Lower Upper

113 100

111 103.1 81.2 121.8

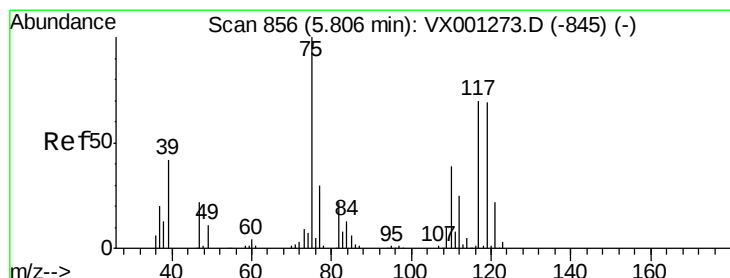
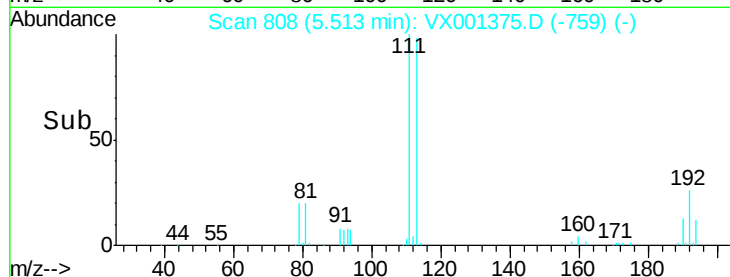
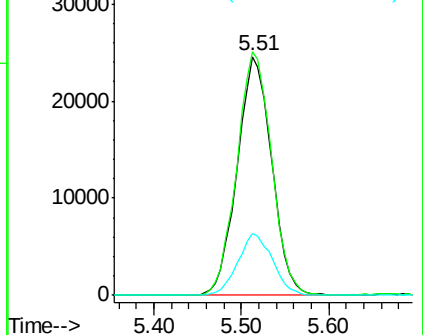
192 26.1 20.7 31.1



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: 3.85 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.13 min

Lab File: VX001375.D

Acq: 03 May 2018 22:27

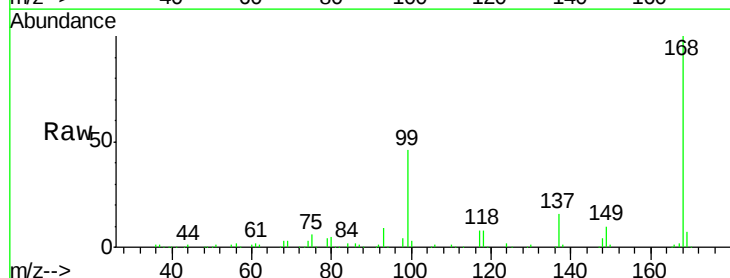
Tgt Ion: 75 Resp: 9640

Ion Ratio Lower Upper

75 100

110 10.4 18.9 56.9#

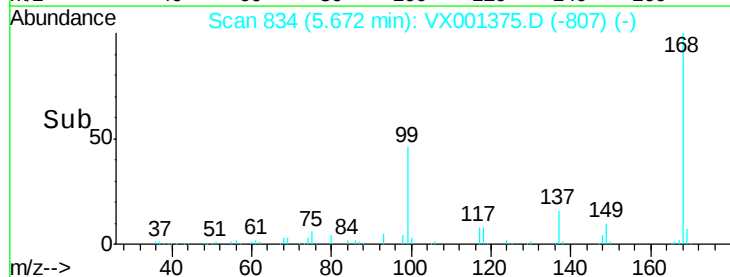
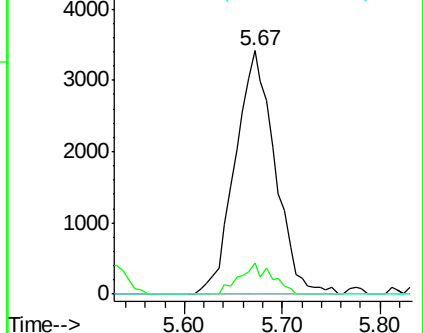
77 0.0 24.2 36.2#

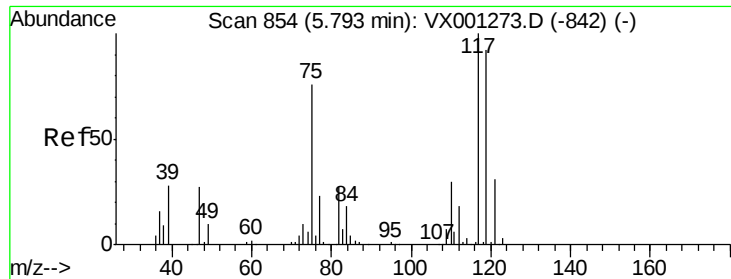


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 4.75 ug/l

RT: 5.68 min Scan# 835

Delta R.T. -0.12 min

Lab File: VX001375.D

Acq: 03 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

EO-01-050218-C

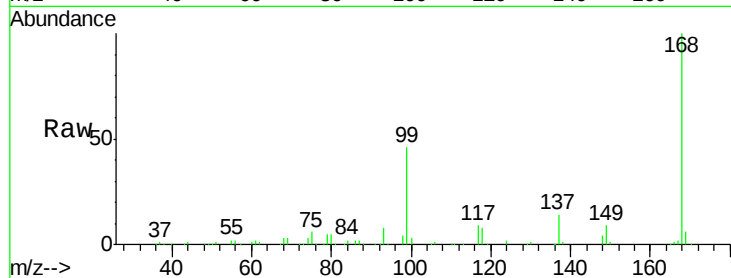
Tgt Ion:117 Resp: 12441

Ion Ratio Lower Upper

117 100

119 4.5 73.4 110.2#

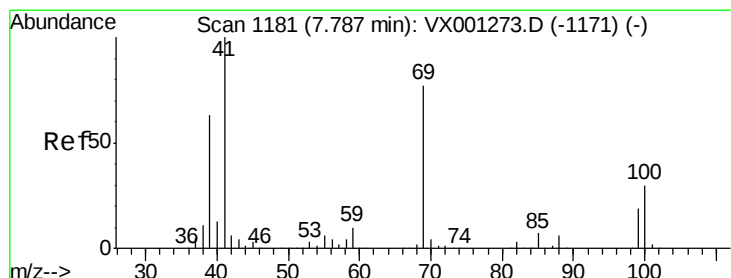
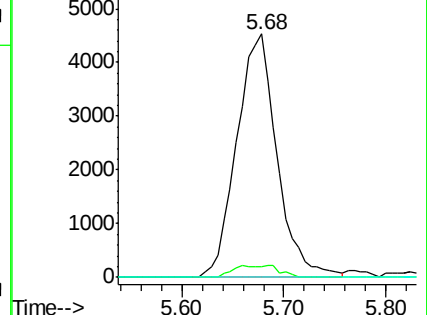
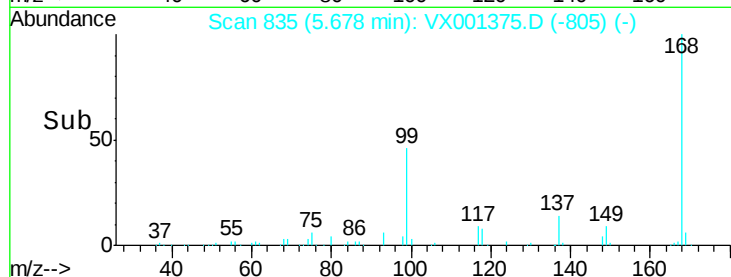
121 0.0 25.0 37.4#



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



#48

Methyl methacrylate

Concen: 0.28 ug/l

RT: 7.79 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VX001375.D

Acq: 03 May 2018 22:27

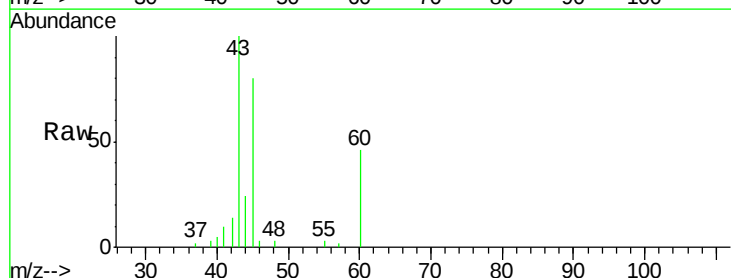
Tgt Ion: 41 Resp: 608

Ion Ratio Lower Upper

41 100

69 0.0 63.0 94.6#

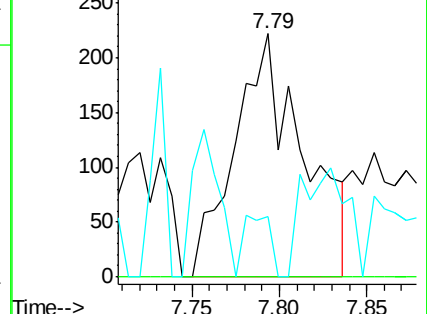
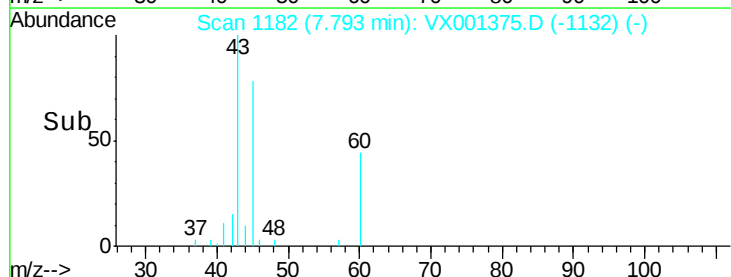
39 9.9 50.2 75.4#

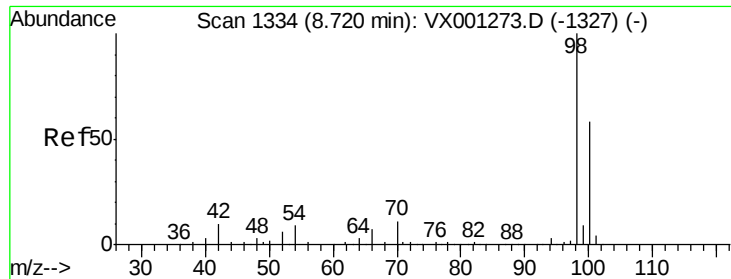


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

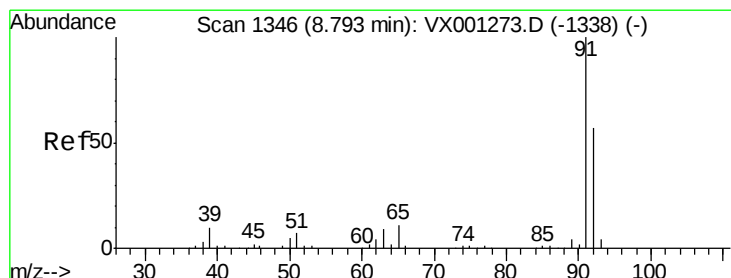
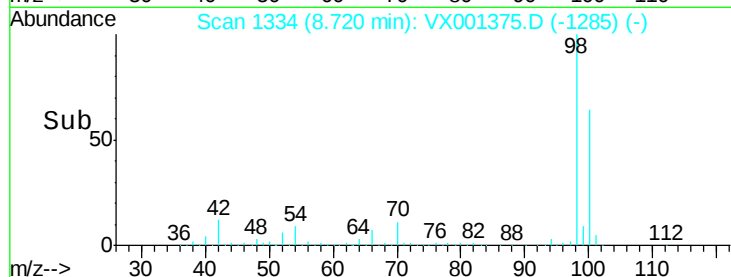
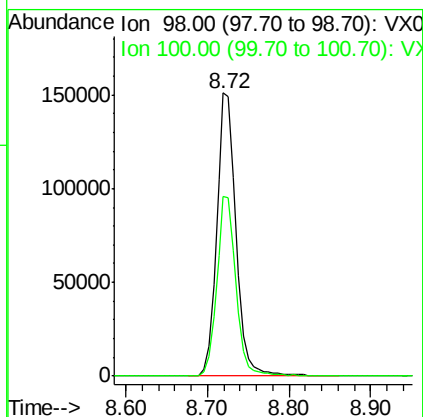
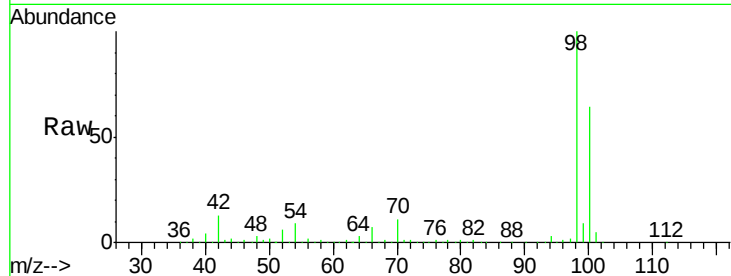




#50
Toluene-d8
Concen: 37.74 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX001375.D
Acq: 03 May 2018 22:27

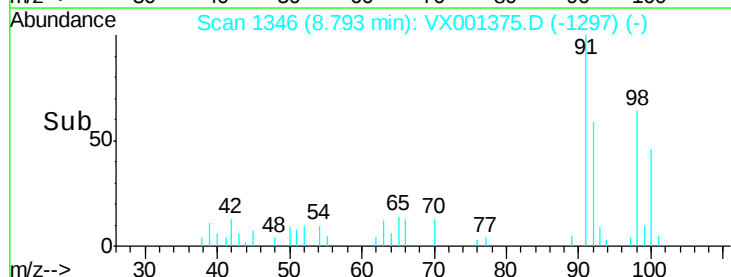
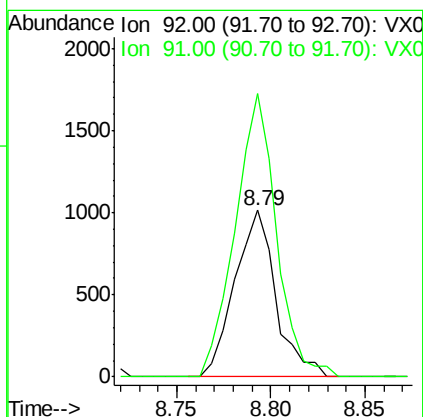
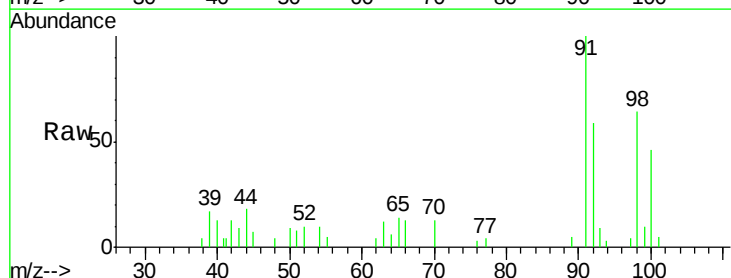
Instrument :
MSVOA_X
ClientSampleId :
EO-01-050218-C

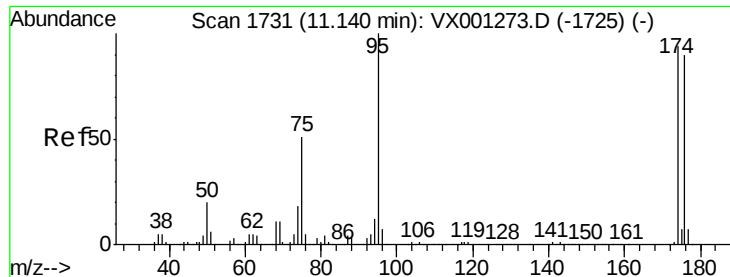
Tgt Ion: 98 Resp: 251749
Ion Ratio Lower Upper
98 100
100 63.3 51.0 76.4



#52
Toluene
Concen: 0.33 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.00 min
Lab File: VX001375.D
Acq: 03 May 2018 22:27

Tgt Ion: 92 Resp: 1535
Ion Ratio Lower Upper
92 100
91 170.2 139.0 208.6

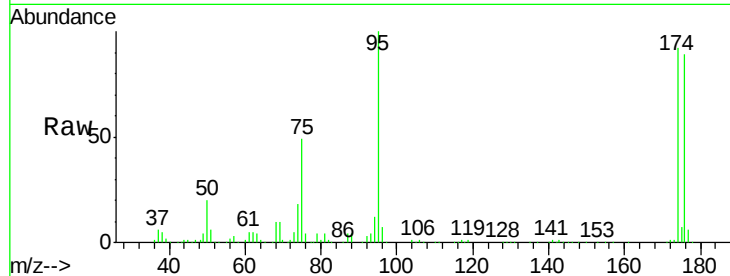




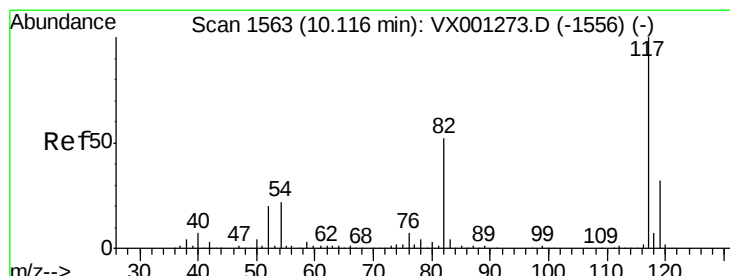
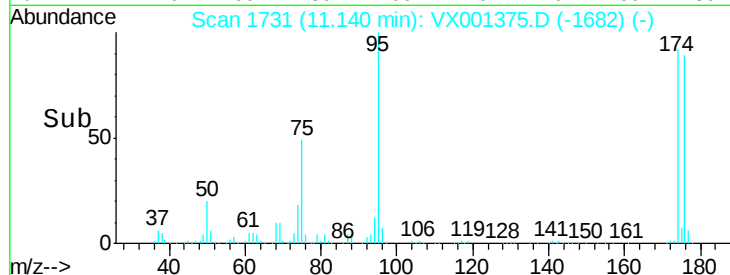
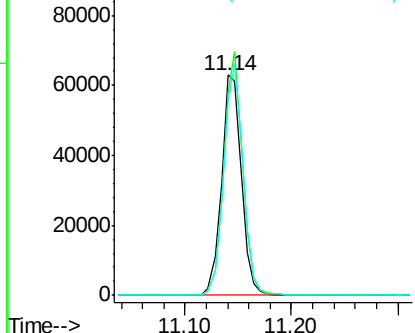
#62
4-Bromofluorobenzene
Concen: 30.69 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. 0.00 min
Lab File: VX001375.D
Acq: 03 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
EO-01-050218-C

Tgt Ion: 95 Resp: 81881
Ion Ratio Lower Upper
95 100
174 105.1 0.0 201.8
176 102.2 0.0 197.2

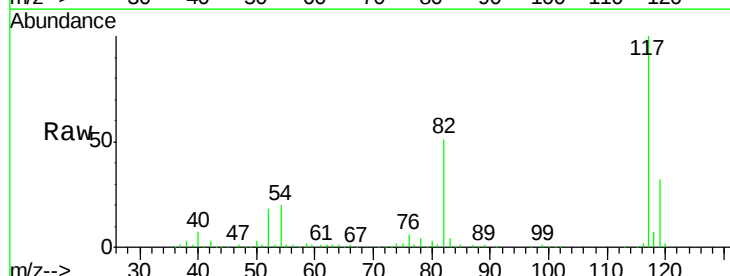


Abundance Ion 94.90 (94.60 to 95.60): VX0
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

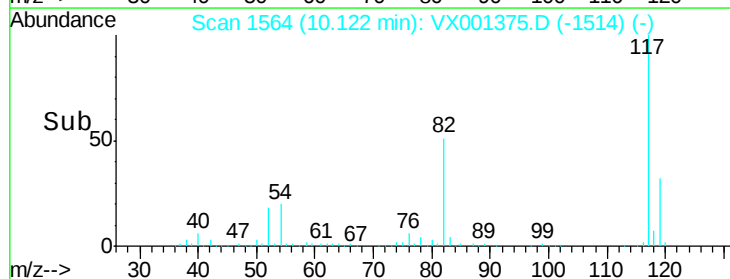
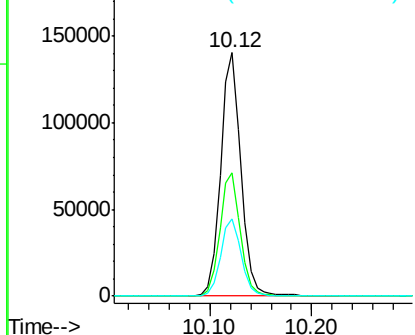


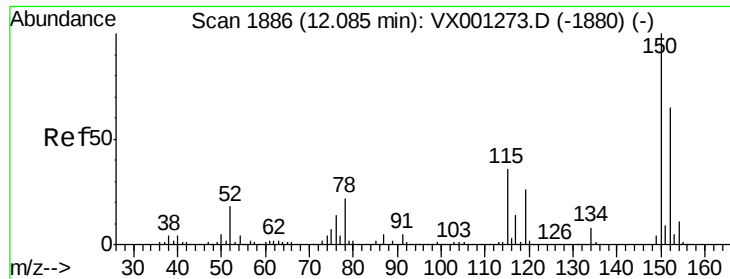
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VX001375.D
Acq: 03 May 2018 22:27

Tgt Ion: 117 Resp: 194408
Ion Ratio Lower Upper
117 100
82 50.9 41.4 62.0
119 31.8 25.5 38.3



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





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.09 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VX001375.D

Acq: 03 May 2018 22:27

Instrument :

MSVOA_X

ClientSampleId :

EO-01-050218-C

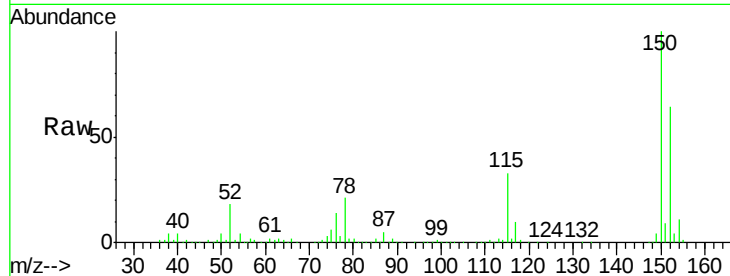
Tgt Ion:152 Resp: 96641

Ion Ratio Lower Upper

152 100

115 52.2 38.6 115.7

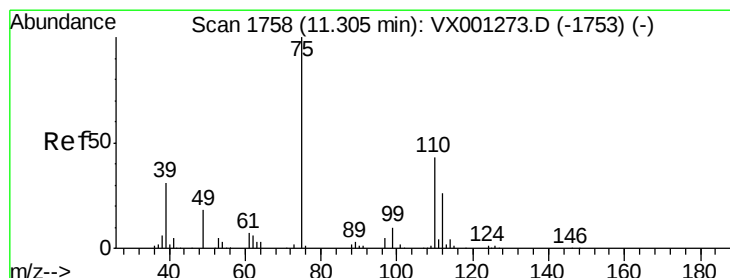
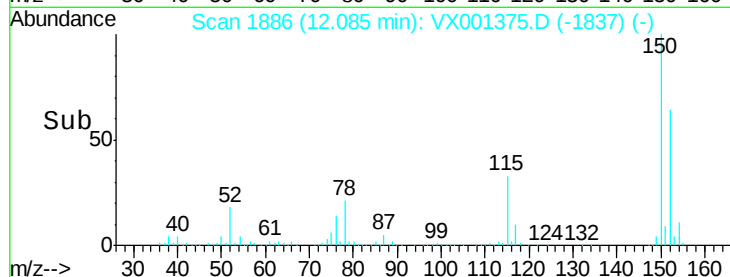
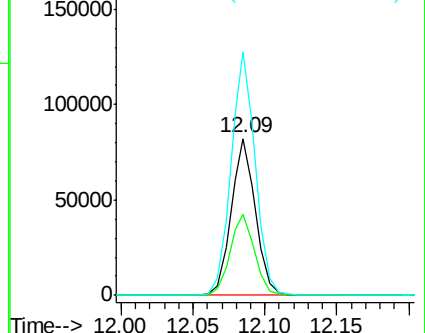
150 155.7 0.0 349.2



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: 23.08 ug/l

RT: 11.15 min Scan# 1732

Delta R.T. -0.16 min

Lab File: VX001375.D

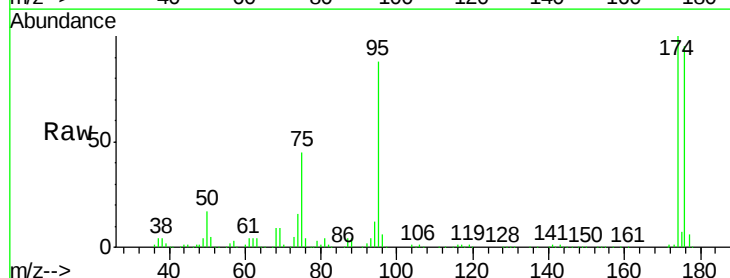
Acq: 03 May 2018 22:27

Tgt Ion: 75 Resp: 41246

Ion Ratio Lower Upper

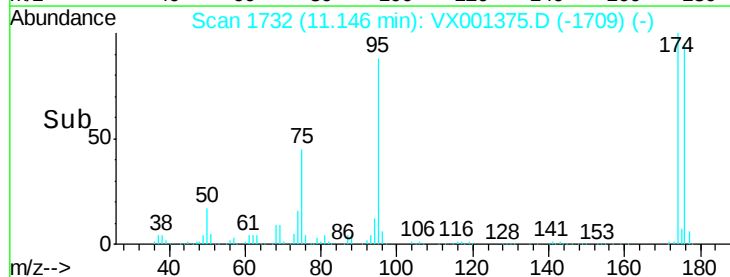
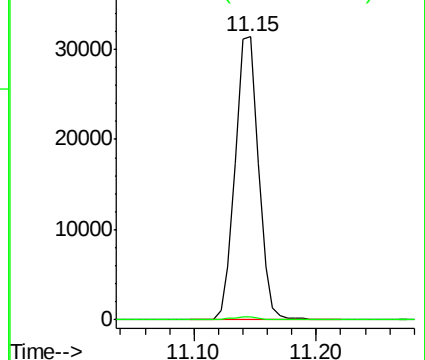
75 100

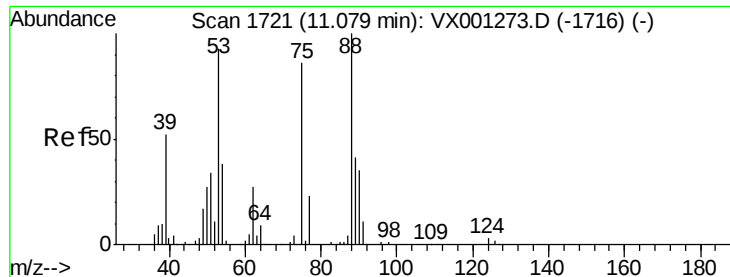
77 1.1 18.9 56.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

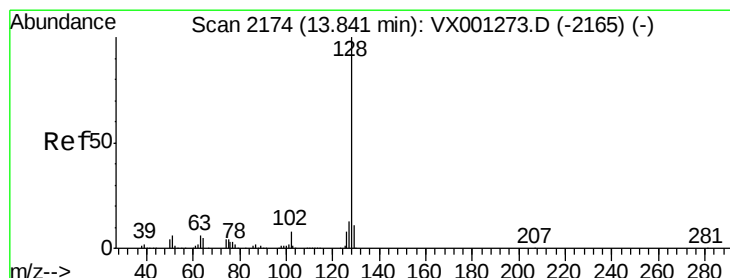
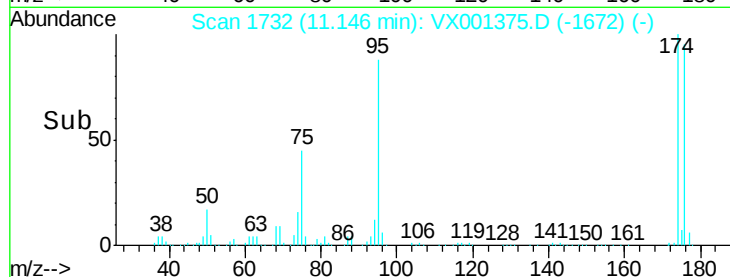
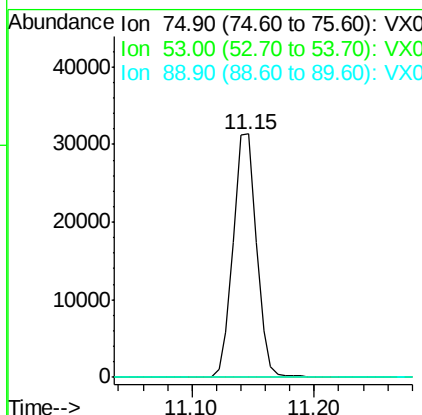
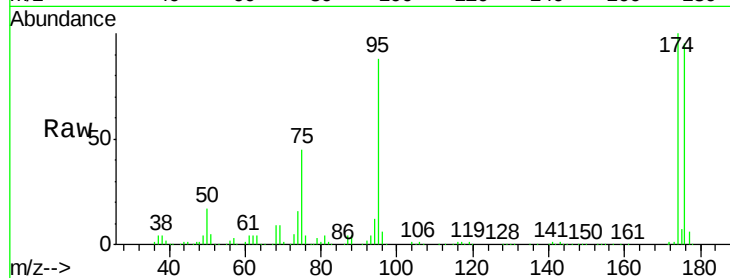




#81
trans-1,4-Dichloro-2-butene
Concen: 72.94 ug/l
RT: 11.15 min Scan# 1732
Delta R.T. 0.07 min
Lab File: VX001375.D
Acq: 03 May 2018 22:27

Instrument :
MSVOA_X
ClientSampleId :
EO-01-050218-C

Tgt Ion: 75 Resp: 41246
Ion Ratio Lower Upper
75 100
53 0.1 87.1 130.7#
89 0.0 38.9 58.3#



#95
Naphthalene
Concen: 3.50 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. 0.00 min
Lab File: VX001375.D
Acq: 03 May 2018 22:27

Tgt Ion: 128 Resp: 24755
Ion Ratio Lower Upper
128 100
127 13.1 10.5 15.7
129 10.8 8.7 13.1

