

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX102918\
 Data File : VX005669.D
 Acq On : 29 Oct 2018 19:11
 Operator : JC/MD
 Sample : J5692-05DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ171I-20181024DL

Quant Time: Oct 30 02:01:41 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X102418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 25 02:52:45 2018
 Response via : Initial Calibration

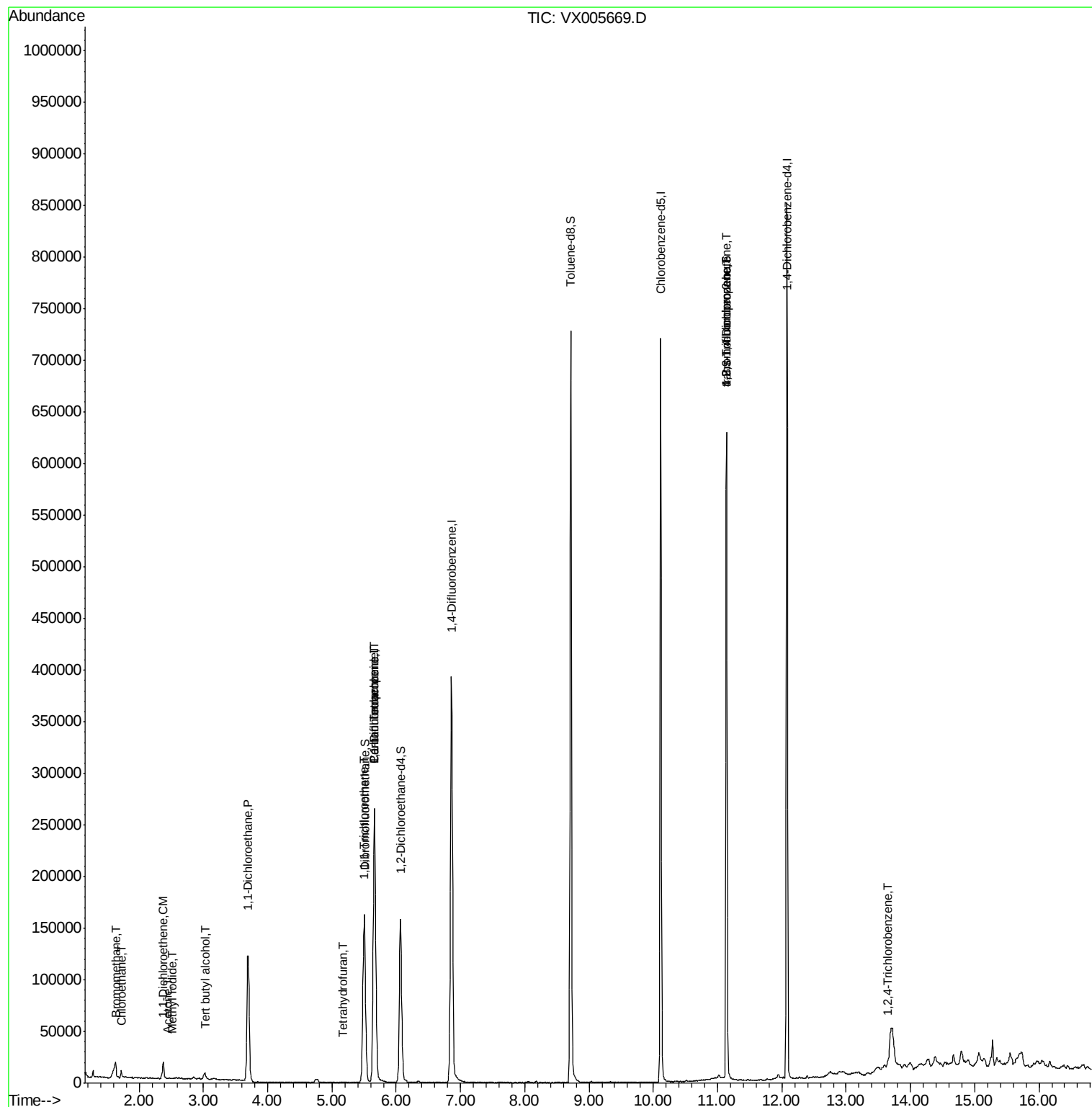
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	264535	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	397435	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	341329	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	174303	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	153810	47.63	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.26%	
35) Dibromofluoromethane	5.51	113	121353	45.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	90.18%	
50) Toluene-d8	8.71	98	447488	46.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.56%	
62) 4-Bromofluorobenzene	11.14	95	163992	44.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	89.82%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.64	94	580	0.285	ug/l	81
6) Chloroethane	1.72	64	5529	2.647	ug/l #	88
10) Methyl Iodide	2.52	142	575	2.925	ug/l #	87
11) Tert butyl alcohol	3.03	59	3848	4.428	ug/l #	75
12) 1,1-Dichloroethene	2.37	96	5294	2.132	ug/l	87
16) Acetone	2.45	43	684	0.401	ug/l	96
18) Methyl Acetate	2.78	43	253	Below Cal	#	71
24) 1,1-Dichloroethane	3.70	63	149401	28.394	ug/l	99
29) Tetrahydrofuran	5.17	42	540	0.319	ug/l #	63
32) 1,1,1-Trichloroethane	5.49	97	14265	3.284	ug/l	99
36) 1,1-Dichloropropene	5.67	75	17597	4.562	ug/l #	49
38) Carbon Tetrachloride	5.67	117	23494	5.783	ug/l #	16
76) 1,2,3-Trichloropropane	11.14	75	81685	22.118	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.14	75	81685	72.273	ug/l #	9
93) 1,2,4-Trichlorobenzene	13.65	180	1136	0.277	ug/l	91

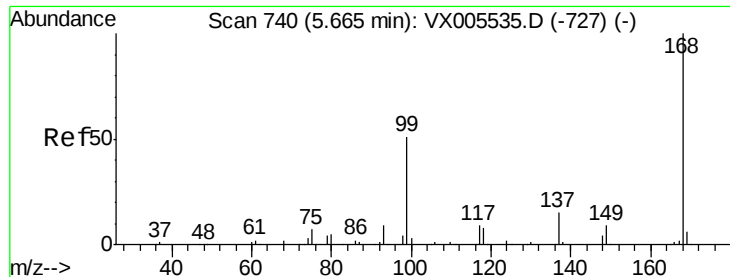
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Oct 25 02:52:45 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.01 min

Lab File: VX005669.D

Acq: 29 Oct 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

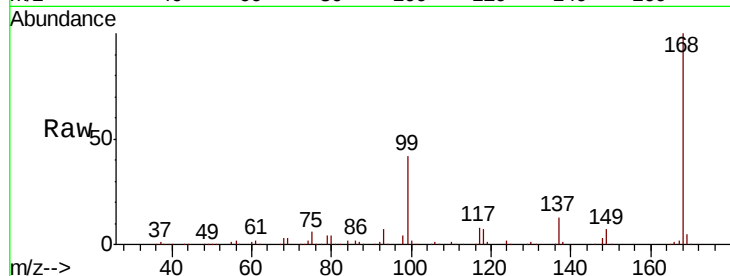
SA-PZ171I-20181024DL

Tot Ion:168 Resp: 264535

Ion Ratio Lower Upper

168 100

99 42.2 40.7 61.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

120000

100000

80000

60000

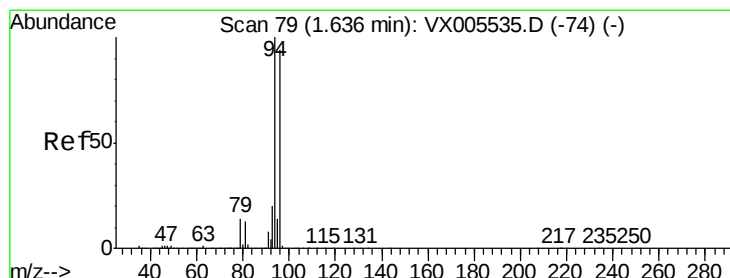
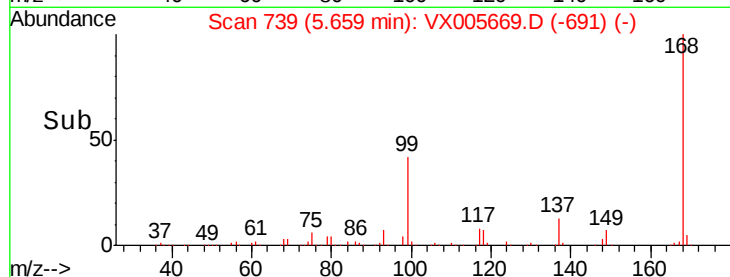
40000

20000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.285 ug/l

RT: 1.64 min Scan# 79

Delta R.T. -0.00 min

Lab File: VX005669.D

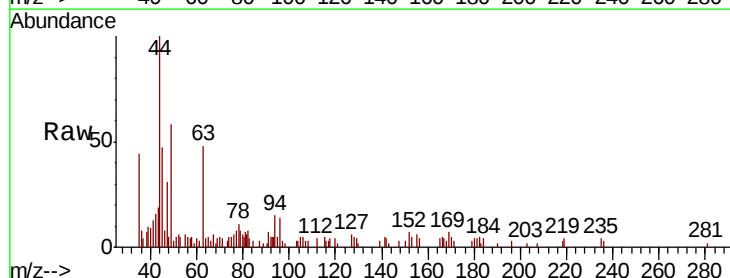
Acq: 29 Oct 2018 19:11

Tgt Ion: 94 Resp: 580

Ion Ratio Lower Upper

94 100

96 75.4 75.2 112.8



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

1.64

400

300

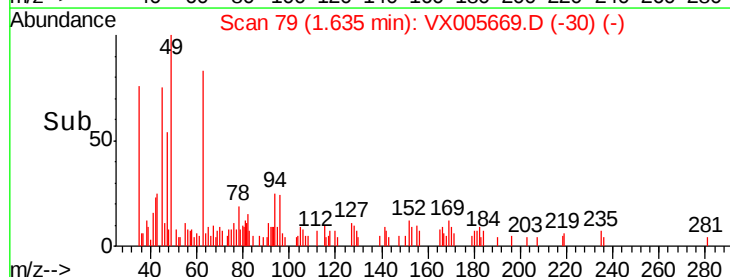
200

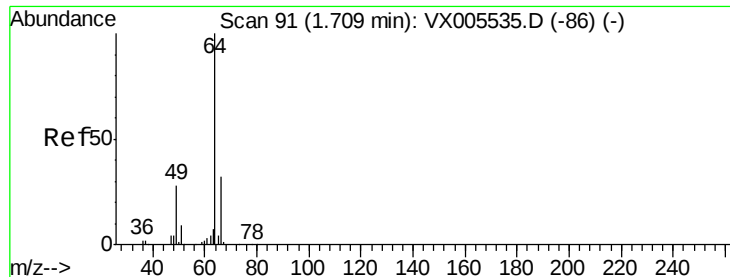
100

0

Time-->

1.60 1.65





#6

Chloroethane

Concen: 2.647 ug/l

RT: 1.72 min Scan# 93

Delta R.T. 0.01 min

Lab File: VX005669.D

Acq: 29 Oct 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

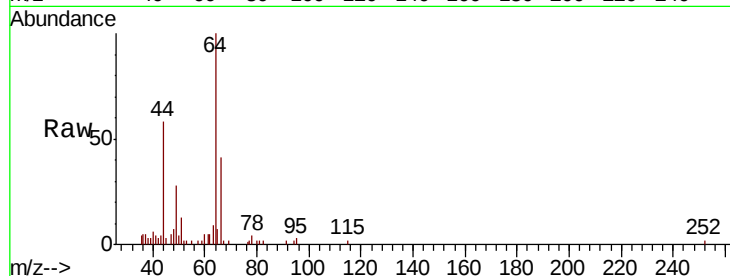
SA-PZ171I-20181024DL

Tot Ion: 64 Resp: 5529

Ion Ratio Lower Upper

64 100

66 39.1 25.8 38.6#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0

1.72

3000

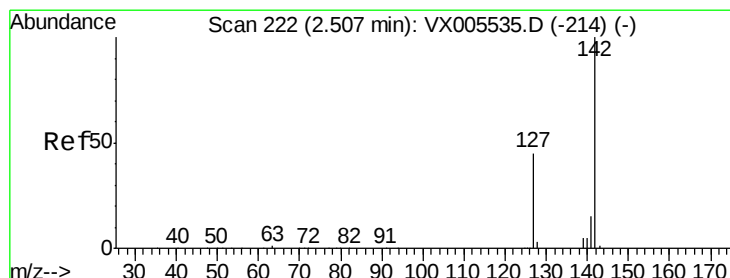
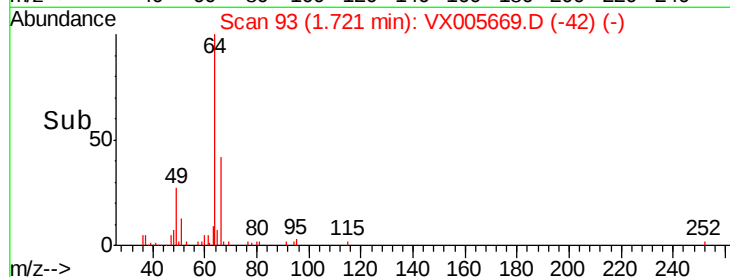
2000

1000

0

1.70 1.75

Time-->



#10

Methyl Iodide

Concen: 2.925 ug/l

RT: 2.52 min Scan# 224

Delta R.T. 0.01 min

Lab File: VX005669.D

Acq: 29 Oct 2018 19:11

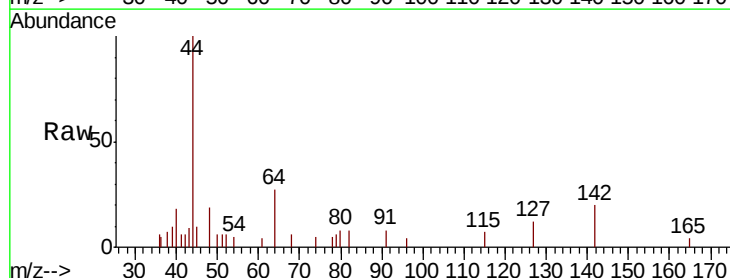
Tgt Ion:142 Resp: 575

Ion Ratio Lower Upper

142 100

127 53.4 36.0 54.0

141 20.9 11.7 17.5#



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

2.52

300

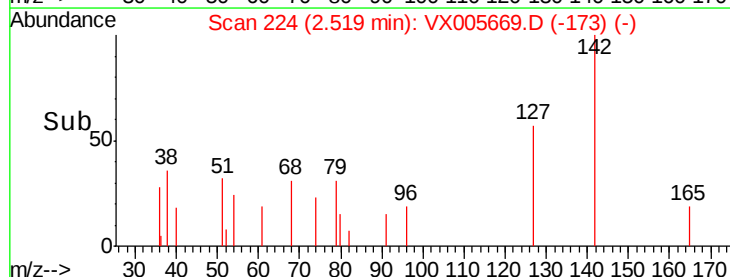
200

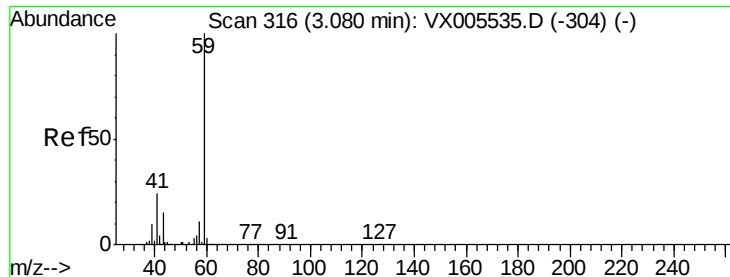
100

0

2.45 2.50 2.55

Time-->



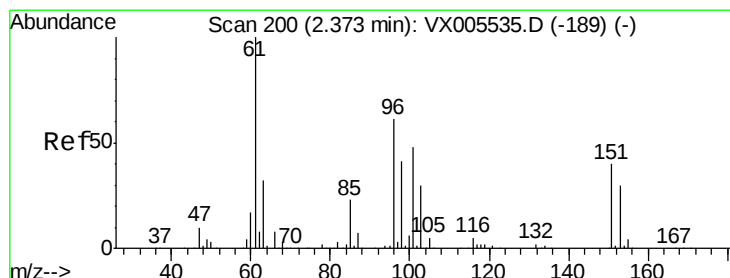
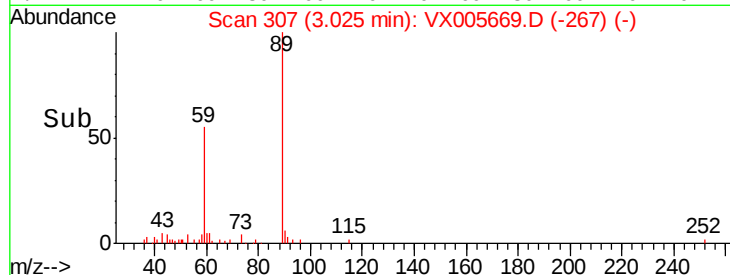
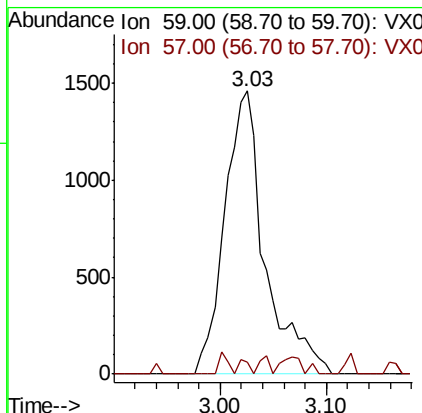
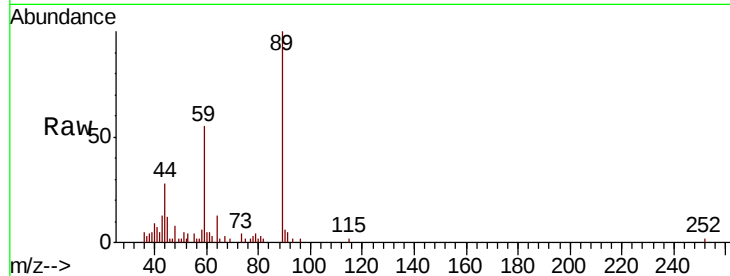


#11

Tert butyl alcohol
 Concen: 4.428 ug/l
 RT: 3.03 min Scan# 307
 Delta R.T. -0.06 min
 Lab File: VX005669.D
 Acq: 29 Oct 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ171I-20181024DL

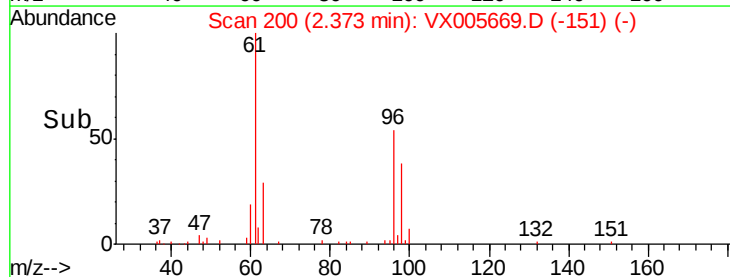
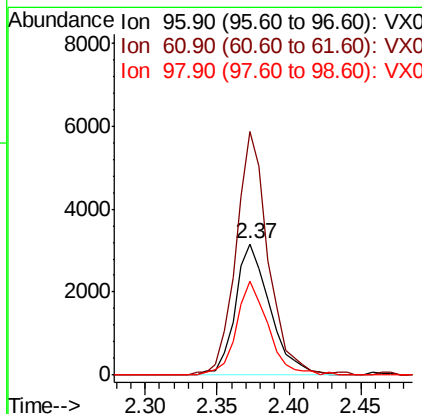
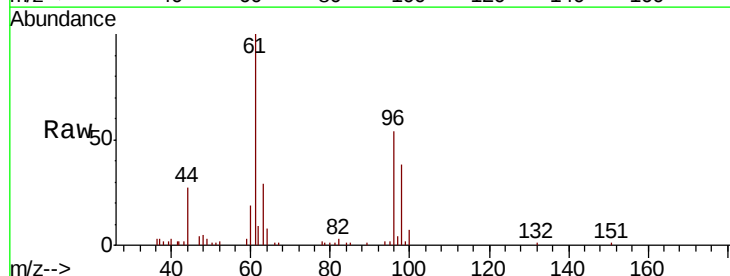
Tot Ion: 59 Resp: 3848
 Ion Ratio Lower Upper
 59 100
 57 1.3 8.5 12.7#

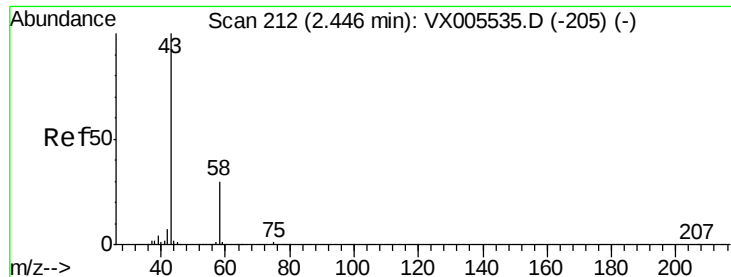


#12

1,1-Dichloroethene
 Concen: 2.132 ug/l
 RT: 2.37 min Scan# 200
 Delta R.T. -0.00 min
 Lab File: VX005669.D
 Acq: 29 Oct 2018 19:11

Tgt Ion: 96 Resp: 5294
 Ion Ratio Lower Upper
 96 100
 61 185.5 131.8 197.8
 98 71.3 53.4 80.2





#16

Acetone

Concen: 0.401 ug/l

RT: 2.45 min Scan# 212

Delta R.T. -0.00 min

Lab File: VX005669.D

Acq: 29 Oct 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

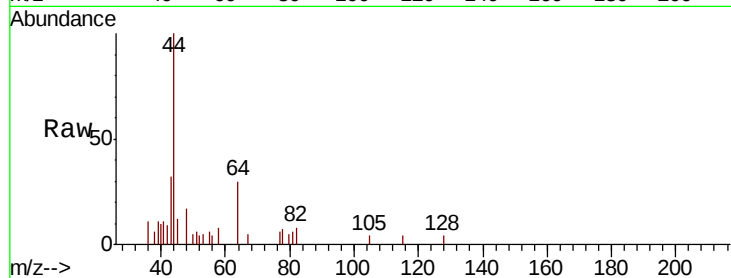
SA-PZ171I-20181024DL

Tot Ion: 43 Resp: 684

Ion Ratio Lower Upper

43 100

58 31.6 23.8 35.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.45

400

300

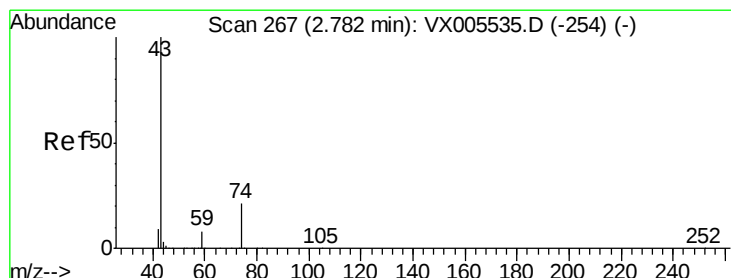
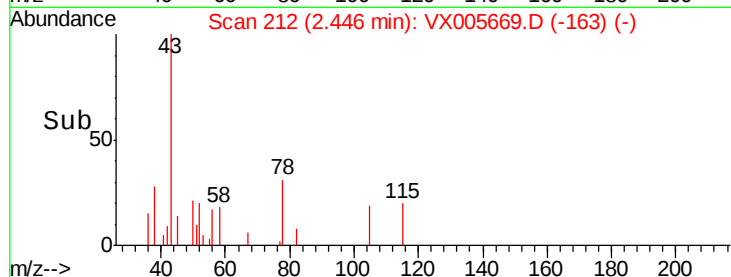
200

100

0

2.40 2.45 2.50

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 2.78 min Scan# 266

Delta R.T. -0.01 min

Lab File: VX005669.D

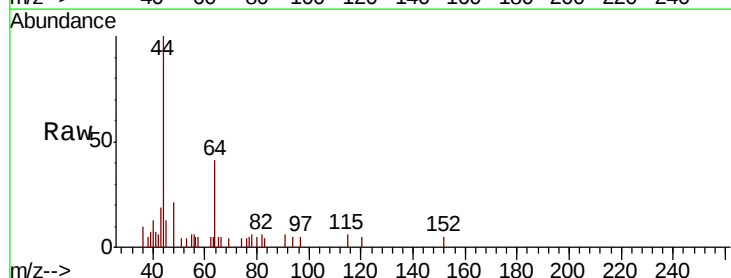
Acq: 29 Oct 2018 19:11

Tgt Ion: 43 Resp: 253

Ion Ratio Lower Upper

43 100

74 7.5 16.8 25.2#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

2.78

250

200

150

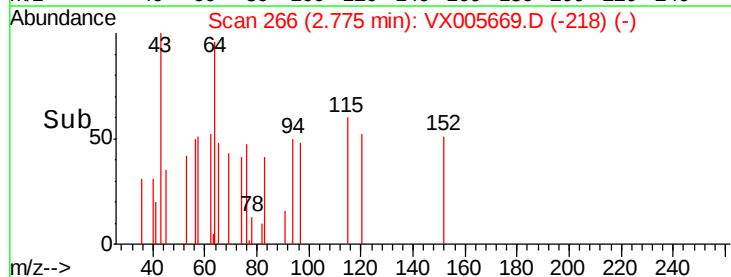
100

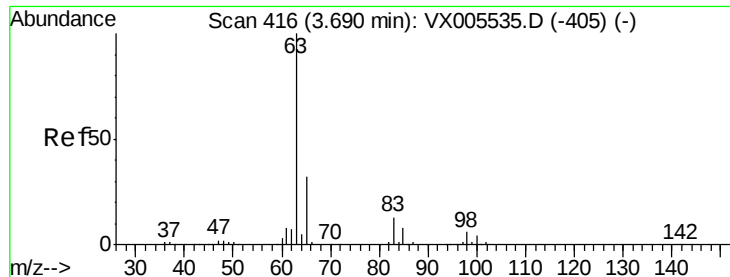
50

0

2.70 2.75 2.80

Time-->





#24

1,1-Dichloroethane

Concen: 28.394 ug/l

RT: 3.70 min Scan# 417

Delta R.T. 0.01 min

Lab File: VX005669.D

Acq: 29 Oct 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

SA-PZ171I-20181024DL

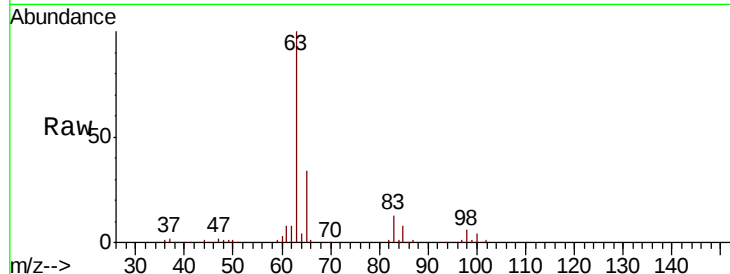
Tot Ion: 63 Resp: 149401

Ion Ratio Lower Upper

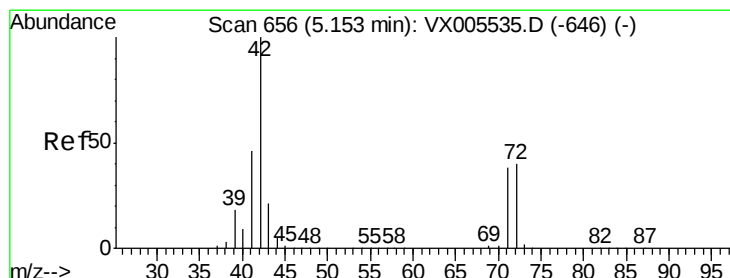
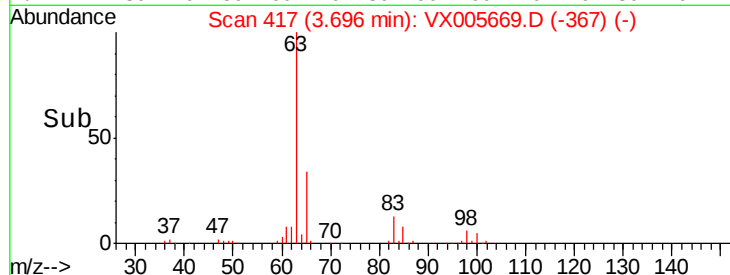
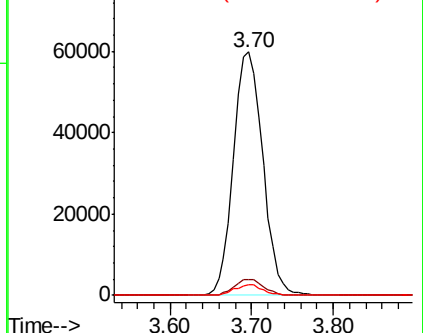
63 100

98 6.4 3.2 9.6

100 4.5 2.1 6.2



Abundance Ion 62.90 (62.60 to 63.60): VX0
Ion 97.90 (97.60 to 98.60): VX0
Ion 99.90 (99.60 to 100.60): VX0



#29

Tetrahydrofuran

Concen: 0.319 ug/l

RT: 5.17 min Scan# 658

Delta R.T. 0.01 min

Lab File: VX005669.D

Acq: 29 Oct 2018 19:11

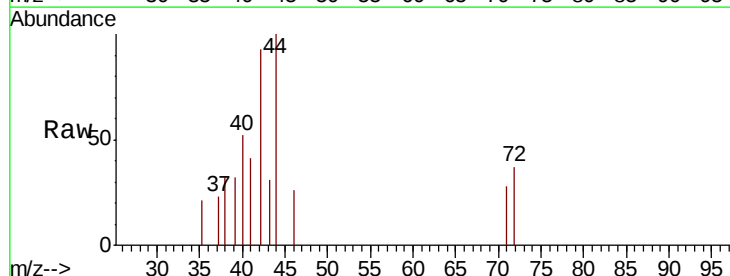
Tgt Ion: 42 Resp: 540

Ion Ratio Lower Upper

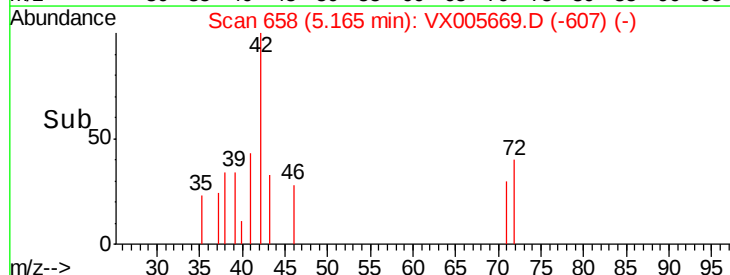
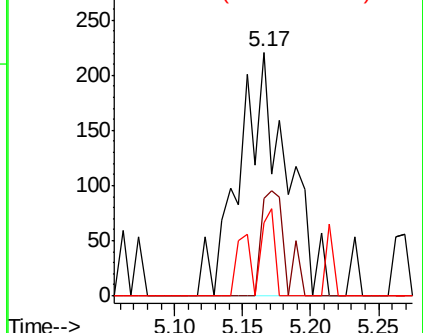
42 100

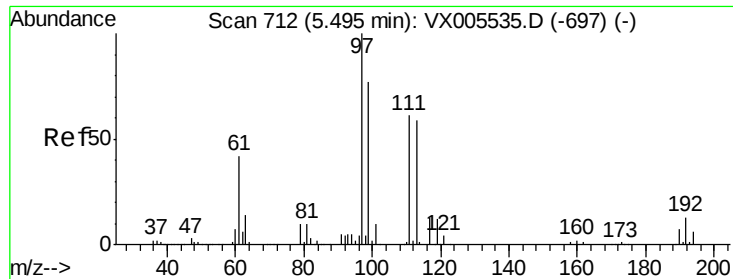
72 21.9 32.0 48.0#

71 9.8 29.8 44.8#



Abundance Ion 42.00 (41.70 to 42.70): VX0
Ion 72.00 (71.70 to 72.70): VX0
Ion 71.00 (70.70 to 71.70): VX0





#32

1,1,1-Trichloroethane

Concen: 3.284 ug/l

RT: 5.49 min Scan# 712

Delta R.T. -0.00 min

Lab File: VX005669.D

Acq: 29 Oct 2018 19:11

Instrument :

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SA-PZ171I-20181024DL

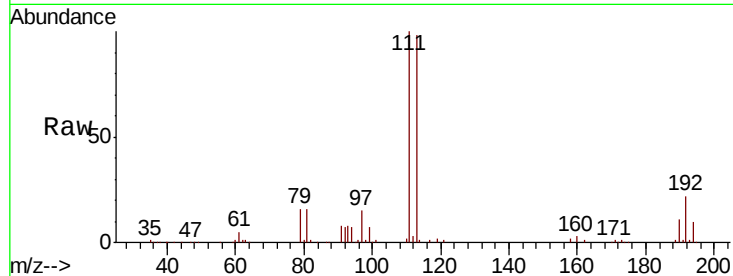
Tot Ion: 97 Resp: 14265

Ion Ratio Lower Upper

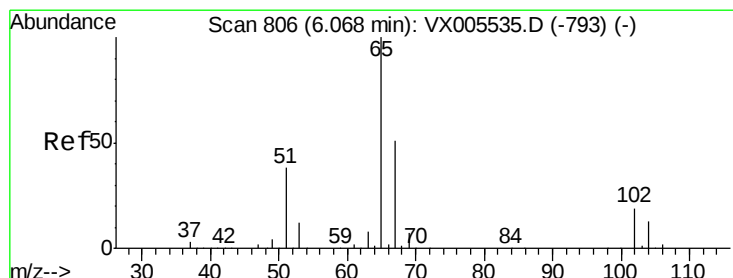
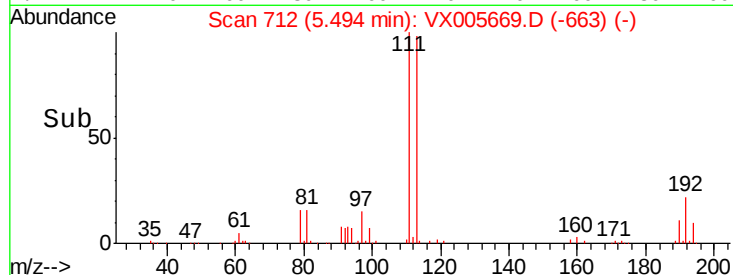
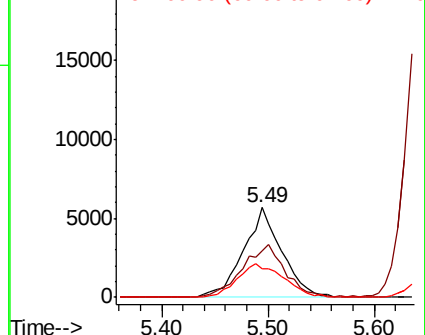
97 100

99 65.2 52.3 78.5

61 45.7 35.2 52.8



Abundance Ion 96.90 (96.60 to 97.60): VX0
Ion 98.90 (98.60 to 99.60): VX0
Ion 60.90 (60.60 to 61.60): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.632 ug/l

RT: 6.07 min Scan# 807

Delta R.T. 0.01 min

Lab File: VX005669.D

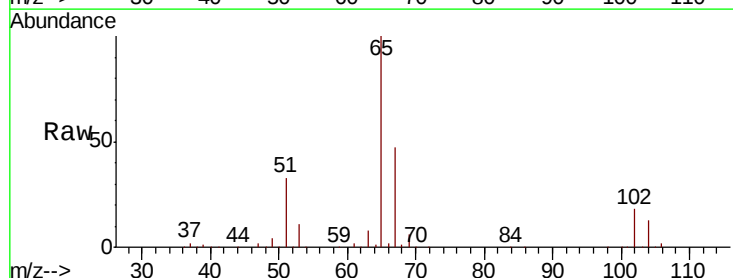
Acq: 29 Oct 2018 19:11

Tgt Ion: 65 Resp: 153810

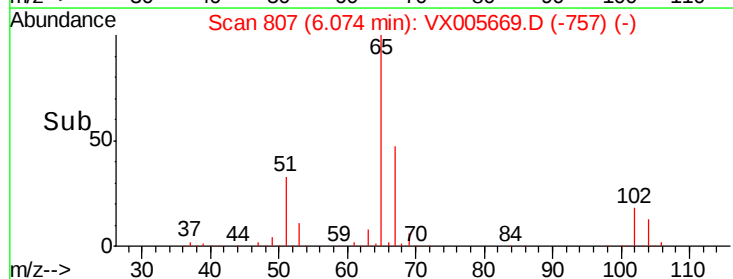
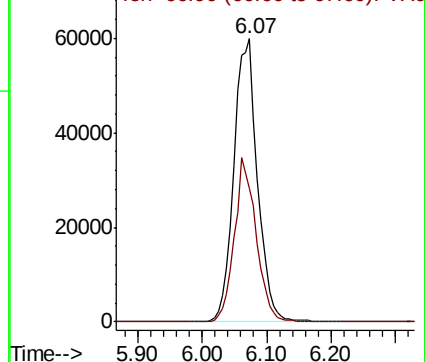
Ion Ratio Lower Upper

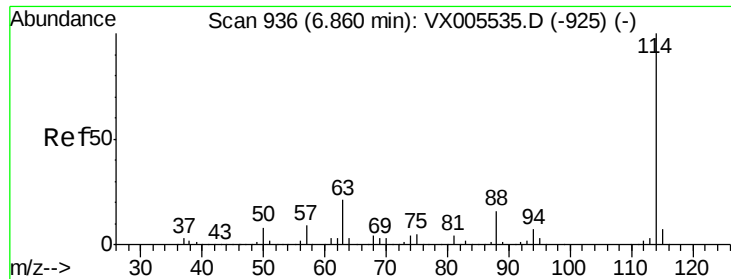
65 100

67 53.6 0.0 105.0



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

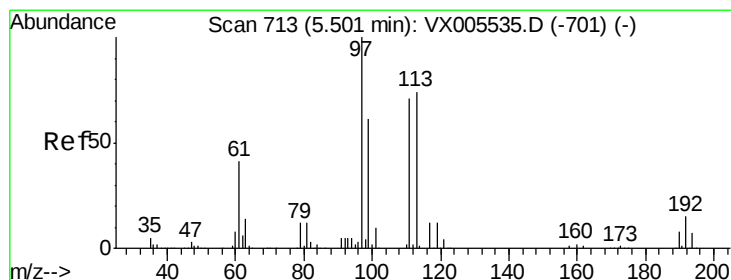
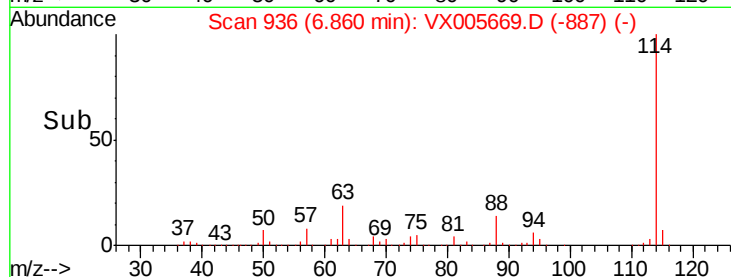
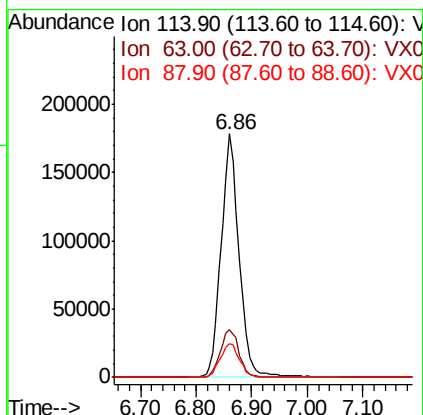
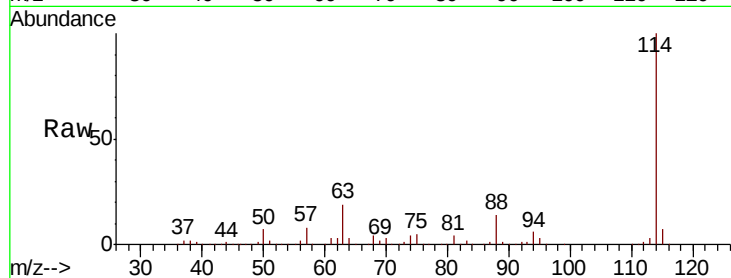




#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX005669.D
 Acq: 29 Oct 2018 19:11

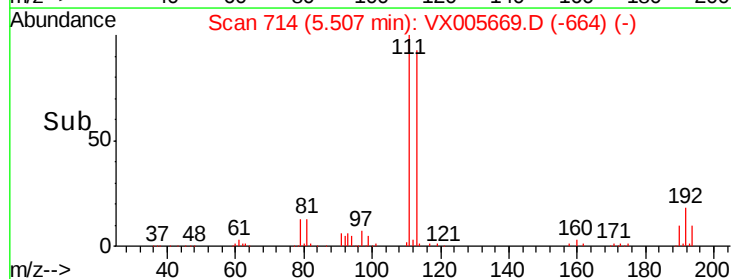
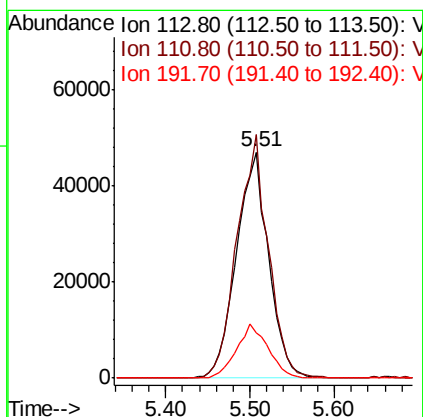
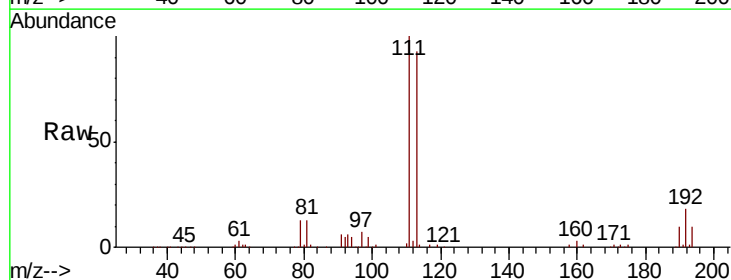
Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ171I-20181024DL

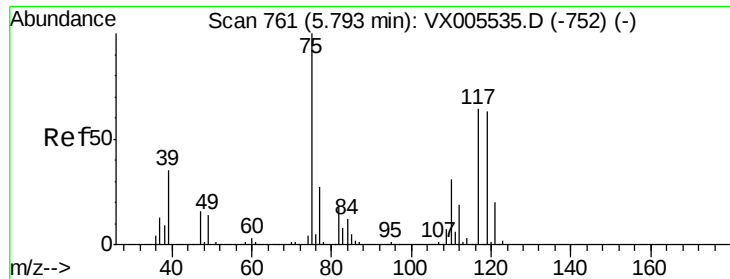
Tot Ion:114 Resp: 397435
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 42.8
 88 13.7 0.0 31.2



#35
 Dibromofluoromethane
 Concen: 45.094 ug/l
 RT: 5.51 min Scan# 714
 Delta R.T. 0.01 min
 Lab File: VX005669.D
 Acq: 29 Oct 2018 19:11

Tgt Ion:113 Resp: 121353
 Ion Ratio Lower Upper
 113 100
 111 104.5 82.3 123.5
 192 23.6 17.9 26.9

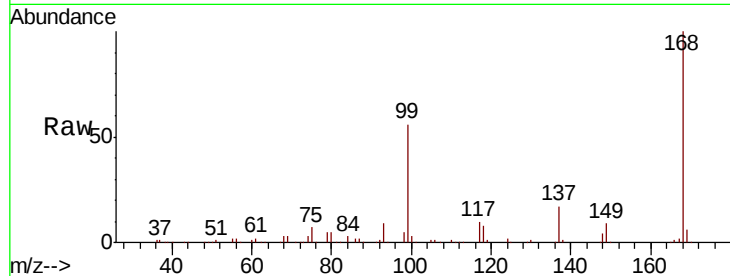




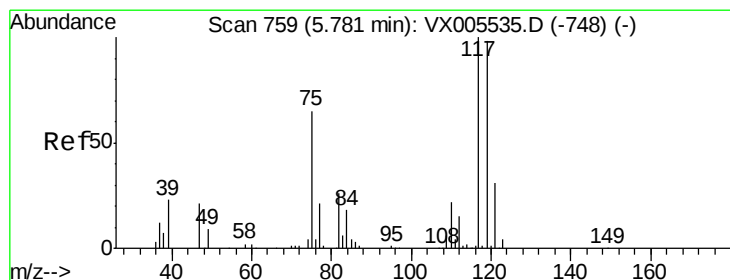
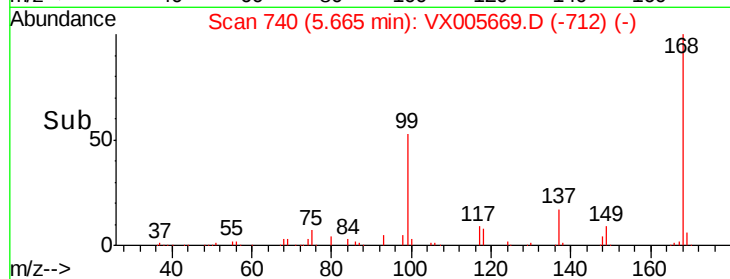
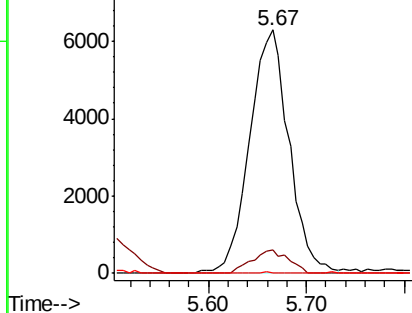
#36
 1,1-Dichloropropene
 Concen: 4.562 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.13 min
 Lab File: VX005669.D
 Acq: 29 Oct 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ171I-20181024DL

Tot Ion	75	Resp	17597
Ion Ratio	Lower	Upper	
75	100		
110	8.9	17.4	52.2#
77	0.1	25.8	38.6#

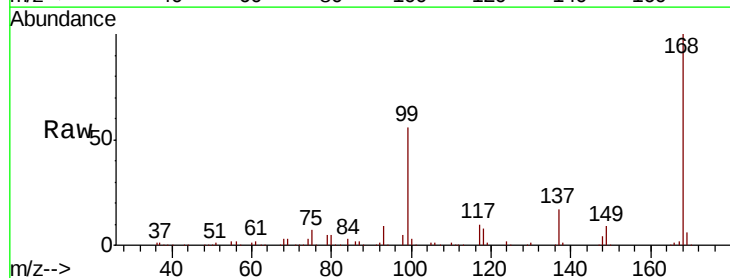


Abundance Ion 74.90 (74.60 to 75.60): VX0
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VX0

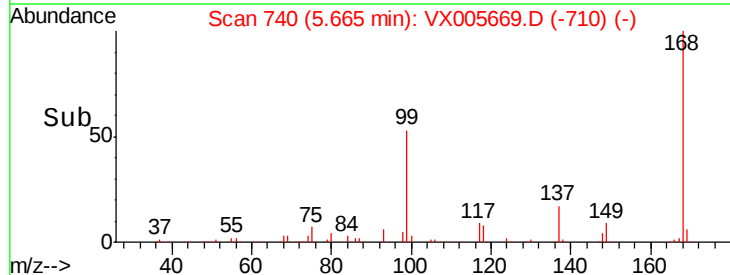
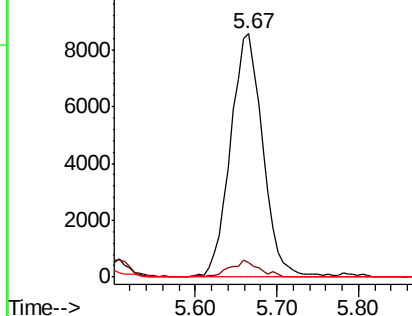


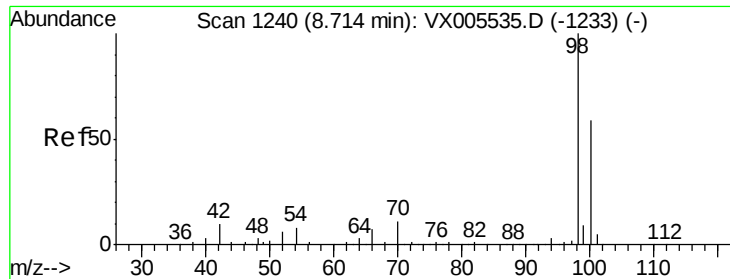
#38
 Carbon Tetrachloride
 Concen: 5.783 ug/l
 RT: 5.67 min Scan# 740
 Delta R.T. -0.12 min
 Lab File: VX005669.D
 Acq: 29 Oct 2018 19:11

Tgt Ion	117	Resp	23494
Ion Ratio	Lower	Upper	
117	100		
119	6.2	78.1	117.1#
121	0.0	24.6	36.8#



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





#50

Toluene-d8

Concen: 46.277 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX005669.D

Acq: 29 Oct 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

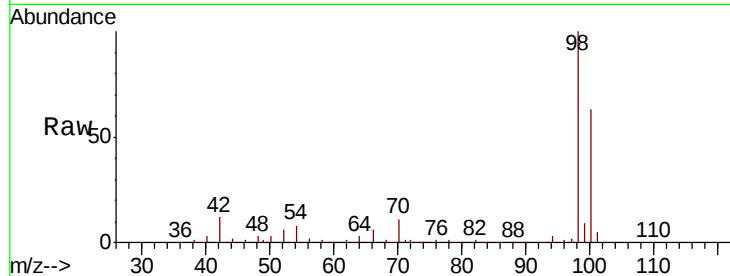
SA-PZ171I-20181024DL

Tot Ion: 98 Resp: 447488

Ion Ratio Lower Upper

98 100

100 63.2 51.3 76.9



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V>

300000

250000

200000

150000

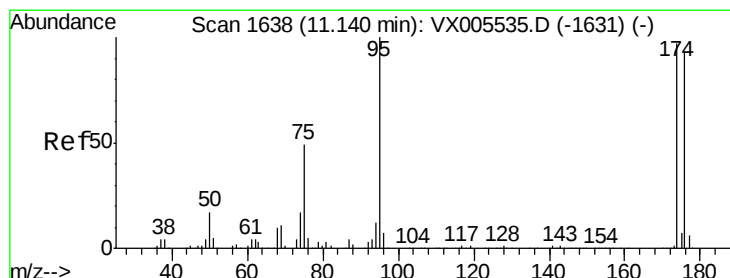
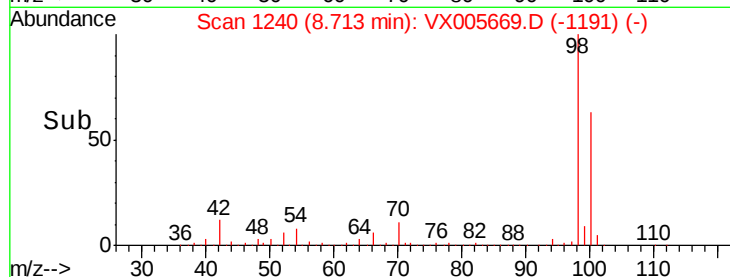
100000

50000

0

8.60 8.70 8.80 8.90

Time-->



#62

4-Bromofluorobenzene

Concen: 44.908 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.00 min

Lab File: VX005669.D

Acq: 29 Oct 2018 19:11

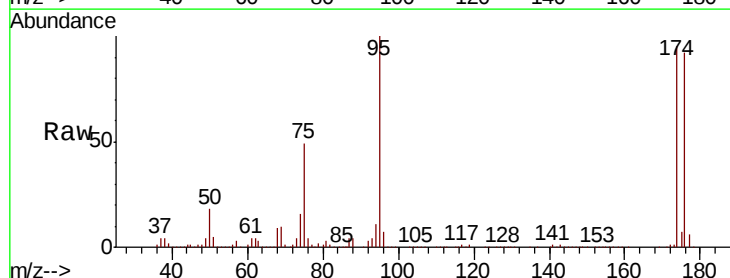
Tgt Ion: 95 Resp: 163992

Ion Ratio Lower Upper

95 100

174 91.3 0.0 184.4

176 88.2 0.0 177.4



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

150000

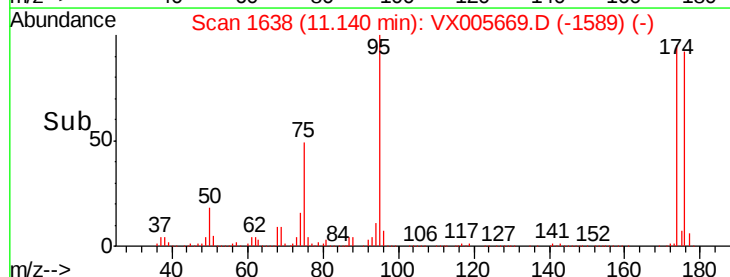
100000

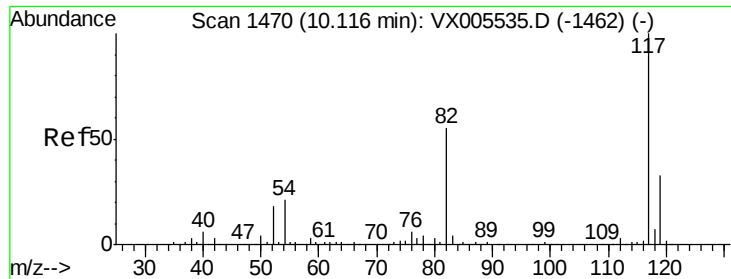
50000

0

11.10 11.20

Time-->

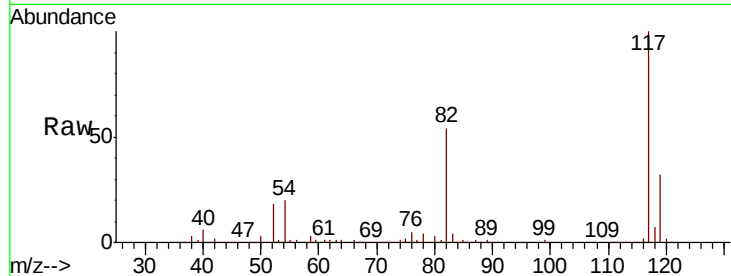




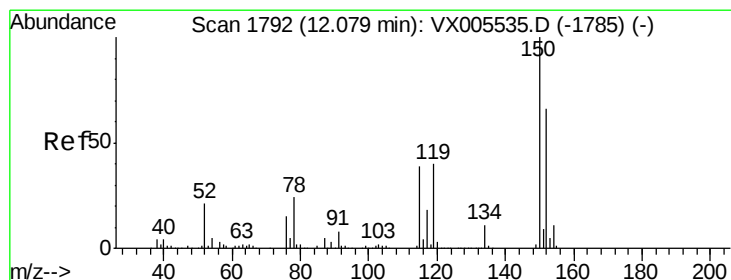
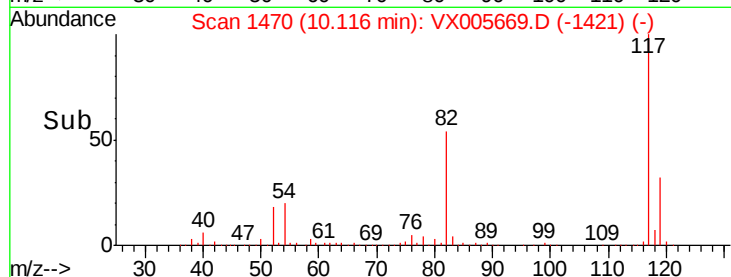
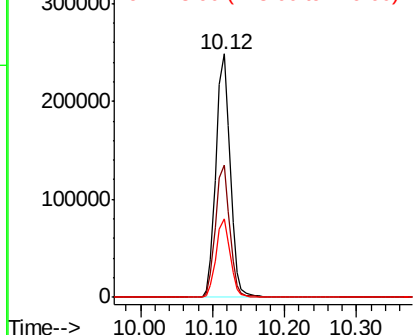
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1470
Delta R.T. -0.00 min
Lab File: VX005669.D
Acq: 29 Oct 2018 19:11

Instrument :
MSVOA_X
ClientSampleId :
SA-PZ171I-20181024DL

Tot Ion:117 Resp: 341329
Ion Ratio Lower Upper
117 100
82 54.4 44.1 66.1
119 32.1 26.2 39.2

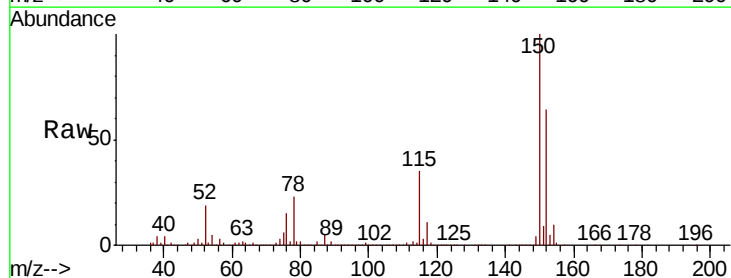


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

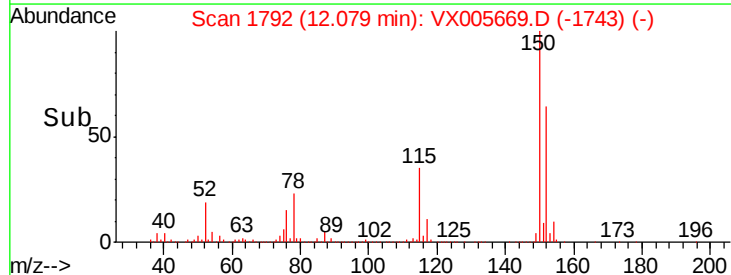
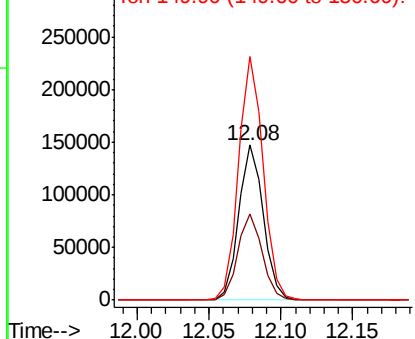


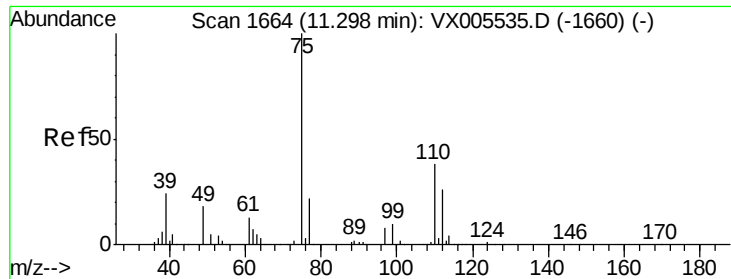
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX005669.D
Acq: 29 Oct 2018 19:11

Tgt Ion:152 Resp: 174303
Ion Ratio Lower Upper
152 100
115 56.0 39.4 118.1
150 157.7 0.0 346.4



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: 22.118 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. -0.16 min

Lab File: VX005669.D

Acq: 29 Oct 2018 19:11

Instrument :

MSVOA_X

ClientSampleId :

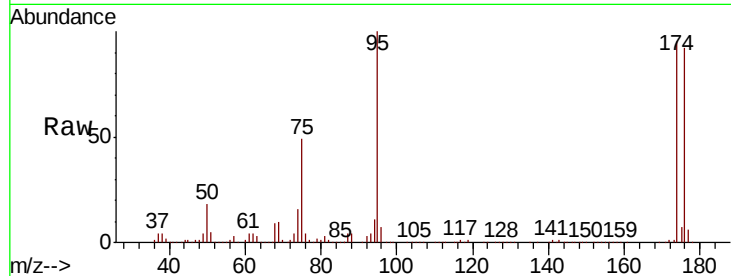
SA-PZ171I-20181024DL

Tot Ion: 75 Resp: 81685

Ion Ratio Lower Upper

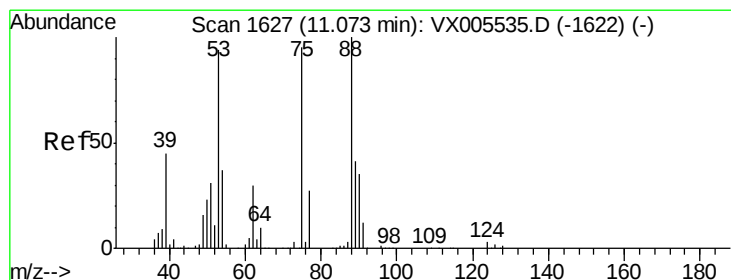
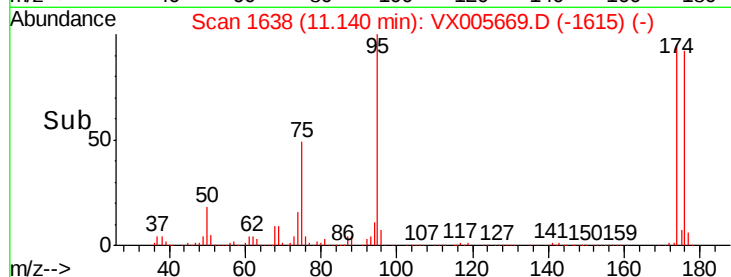
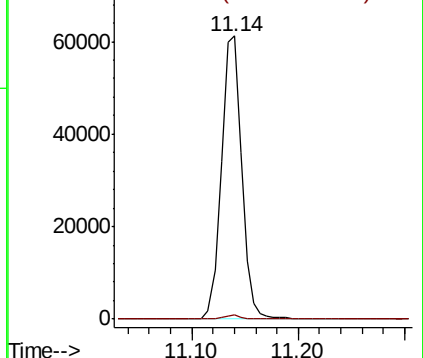
75 100

77 1.4 20.5 61.6#



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: 72.273 ug/l

RT: 11.14 min Scan# 1638

Delta R.T. 0.07 min

Lab File: VX005669.D

Acq: 29 Oct 2018 19:11

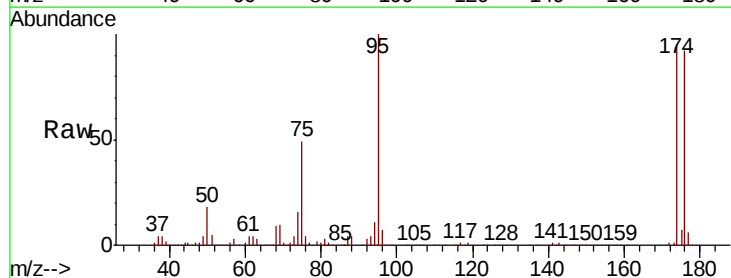
Tgt Ion: 75 Resp: 81685

Ion Ratio Lower Upper

75 100

53 0.3 80.2 120.2#

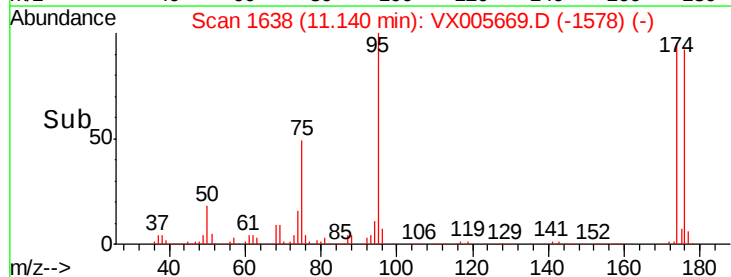
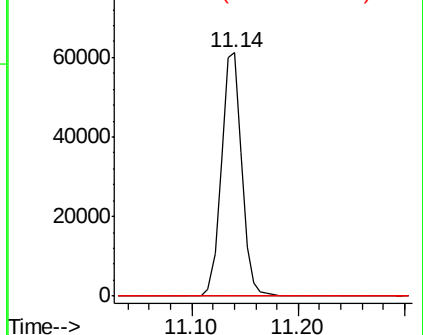
89 0.0 39.8 59.8#

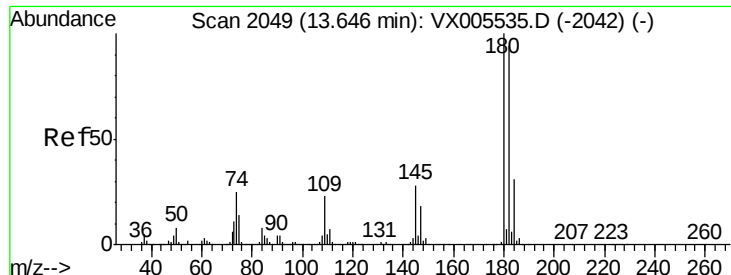


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0





#93
 1,2,4-Trichlorobenzene
 Concen: 0.277 ug/l
 RT: 13.65 min Scan# 2049
 Delta R.T. -0.00 min
 Lab File: VX005669.D
 Acq: 29 Oct 2018 19:11

Instrument :
 MSVOA_X
 ClientSampleId :
 SA-PZ171I-20181024DL

Tot Ion	Ratio	Lower	Upper
180	100		
182	90.8	47.6	142.8
145	42.0	14.1	42.2

