

Data File : VX016701.D
Acq On : 11 Jun 2020 14:03
Operator : JC/SP
Sample : L2978-04
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
Z1-DUP-0569-200610

Quant Time: Jun 12 06:55:26 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X052720W.M
Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	210707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	329379	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	342374	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	171850	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.04	65	125945	48.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.26%	
35) Dibromofluoromethane	5.46	113	101391	49.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.98%	
50) Toluene-d8	8.70	98	405595	51.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.76%	
62) 4-Bromofluorobenzene	11.12	95	163109	53.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.94%	

Target Compounds

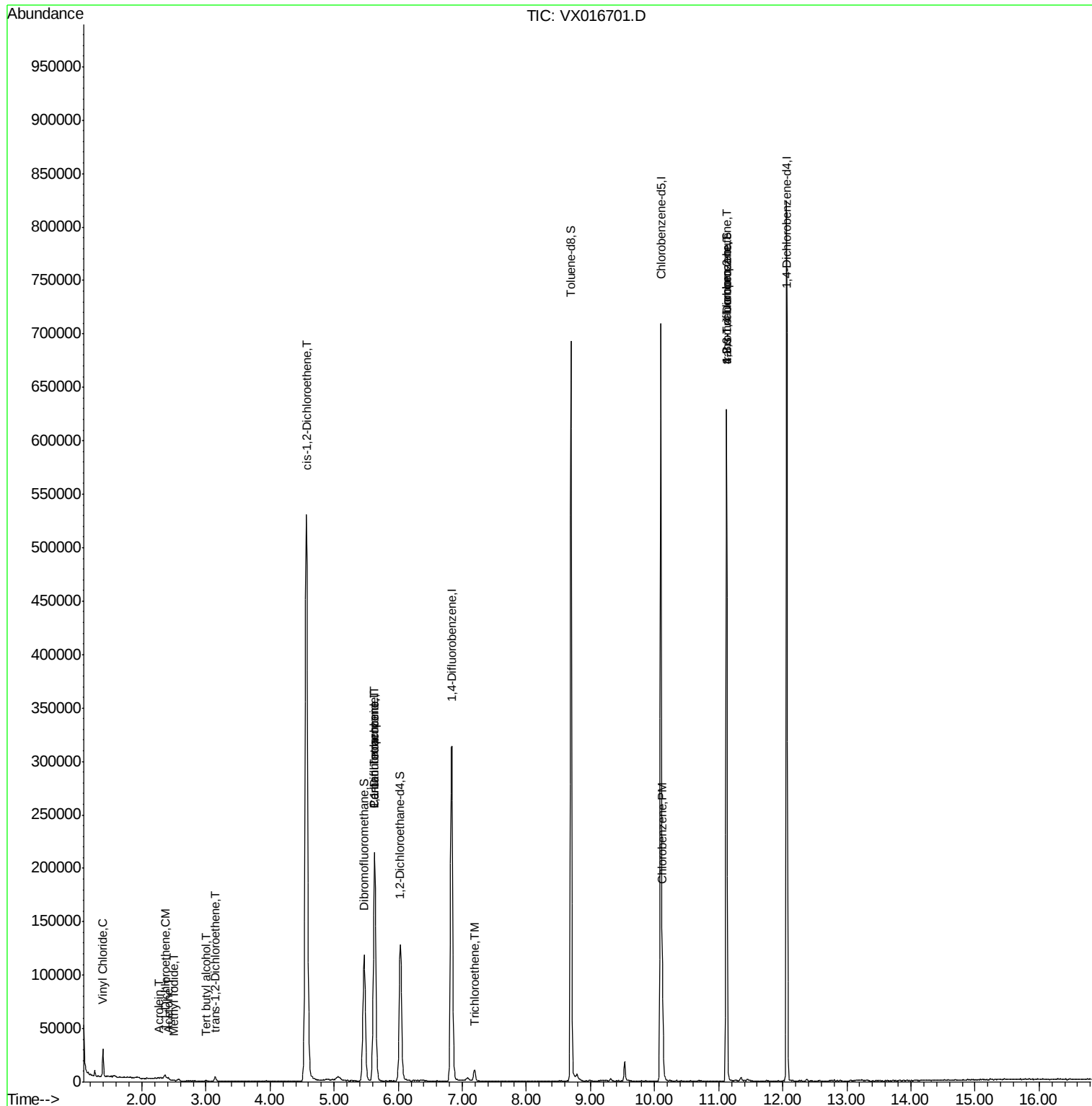
						Qvalue
4) Vinyl Chloride	1.39	62	14450	5.453	ug/l	97
10) Methyl Iodide	2.50	142	19	3.063	ug/l #	8
11) Tert butyl alcohol	3.00	59	317	0.472	ug/l #	72
12) 1,1-Dichloroethene	2.36	96	1547	0.763	ug/l #	81
13) Acrolein	2.28	56	168	0.589	ug/l #	13
16) Acetone	2.42	43	1715	1.496	ug/l #	88
21) trans-1,2-Dichloroethene	3.14	96	1569	0.700	ug/l #	72
27) cis-1,2-Dichloroethene	4.57	96	359367	138.517	ug/l	88
36) 1,1-Dichloropropene	5.63	75	14070	4.512	ug/l #	52
38) Carbon Tetrachloride	5.64	117	20119	6.139	ug/l #	16
44) Trichloroethene	7.19	130	4190	1.422	ug/l	94
65) Chlorobenzene	10.12	112	41559	5.954	ug/l	100
76) 1,2,3-Trichloropropane	11.12	75	79786	21.122	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	79786	51.957	ug/l #	14

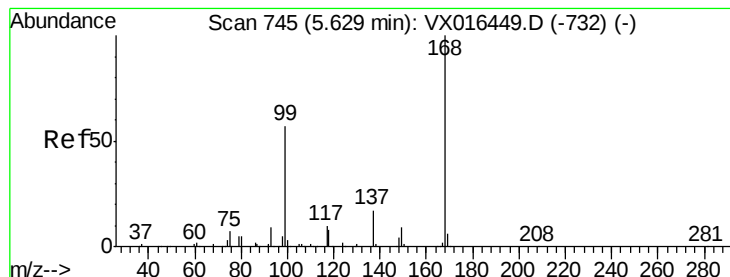
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016701.D

Acq: 11 Jun 2020 14:03

Instrument :

MSVOA_X

ClientSampleId :

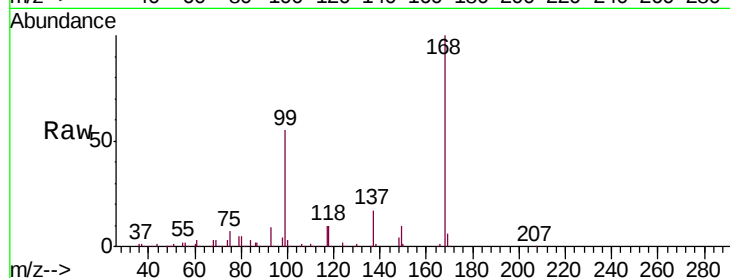
Z1-DUP-0569-200610

Tgt Ion:168 Resp: 210707

Ion Ratio Lower Upper

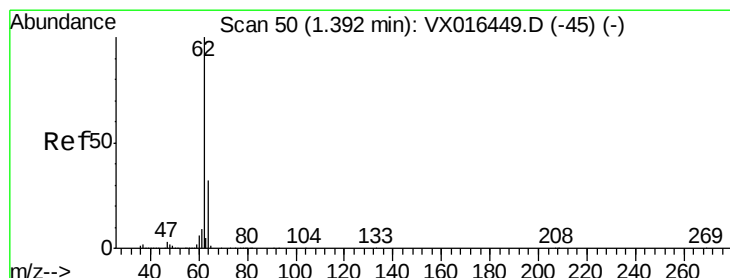
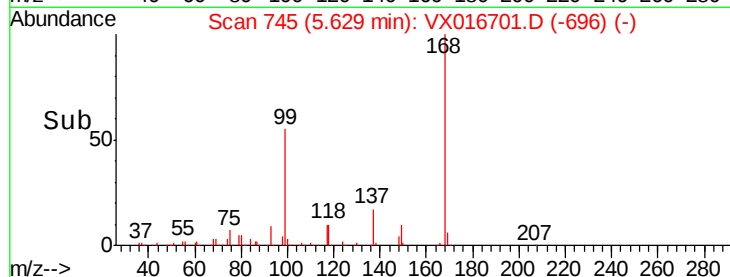
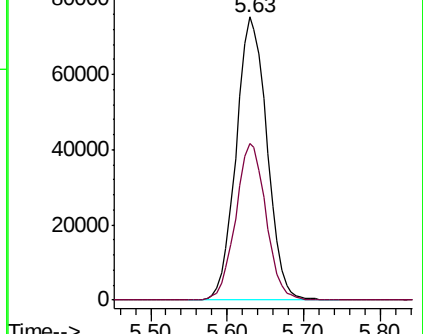
168 100

99 55.3 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 5.453 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX016701.D

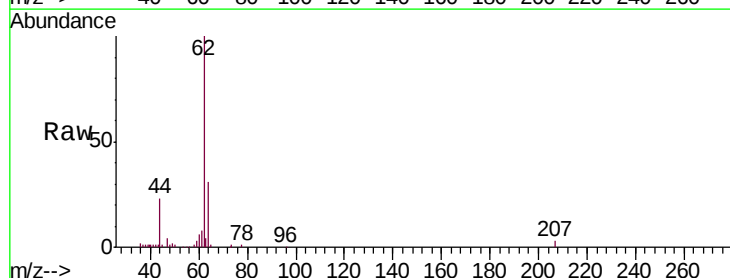
Acq: 11 Jun 2020 14:03

Tgt Ion: 62 Resp: 14450

Ion Ratio Lower Upper

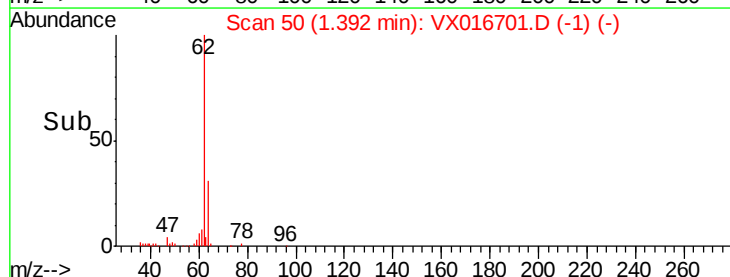
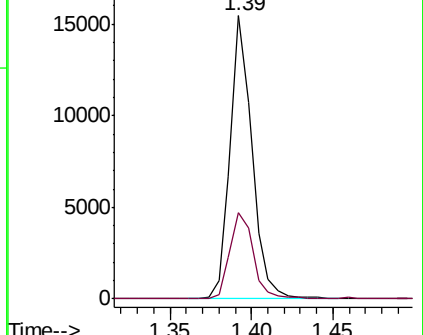
62 100

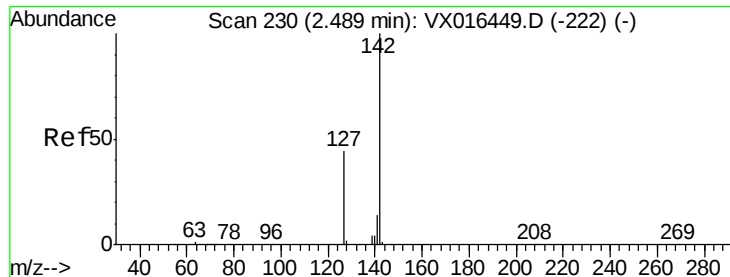
64 30.6 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#10

Methyl Iodide

Concen: 3.063 ug/l

RT: 2.50 min Scan# 232

Delta R.T. 0.01 min

Lab File: VX016701.D

Acq: 11 Jun 2020 14:03

Instrument :

MSVOA_X

ClientSampleId :

Z1-DUP-0569-200610

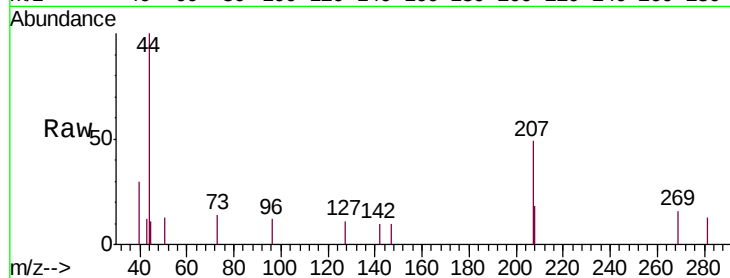
Tgt Ion:142 Resp: 19

Ion Ratio Lower Upper

142 100

127 115.8 35.3 52.9#

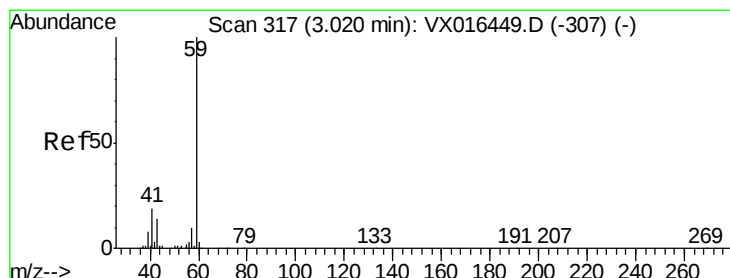
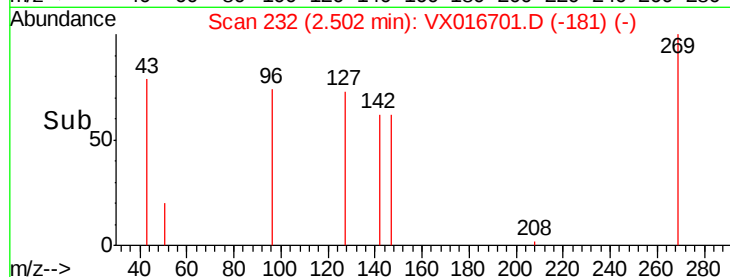
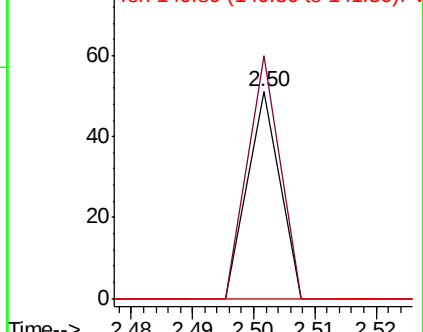
141 0.0 11.4 17.2#



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: 0.472 ug/l

RT: 3.00 min Scan# 314

Delta R.T. -0.02 min

Lab File: VX016701.D

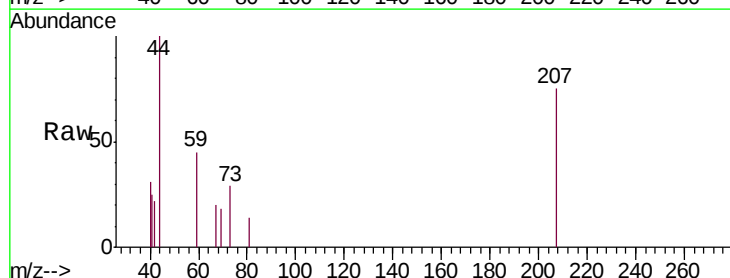
Acq: 11 Jun 2020 14:03

Tgt Ion: 59 Resp: 317

Ion Ratio Lower Upper

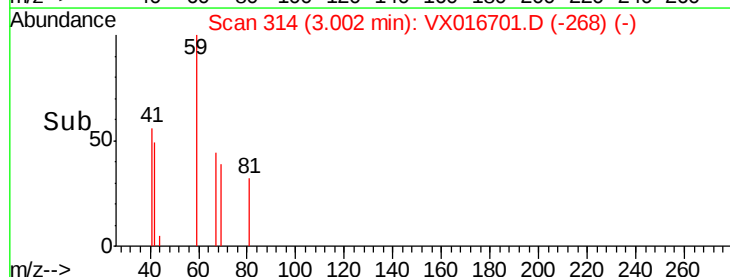
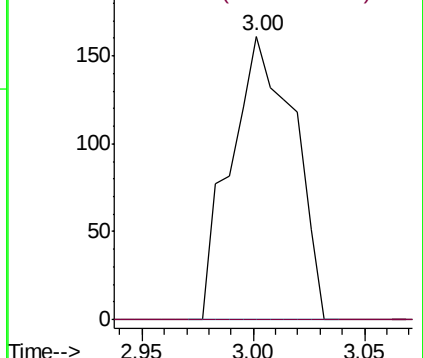
59 100

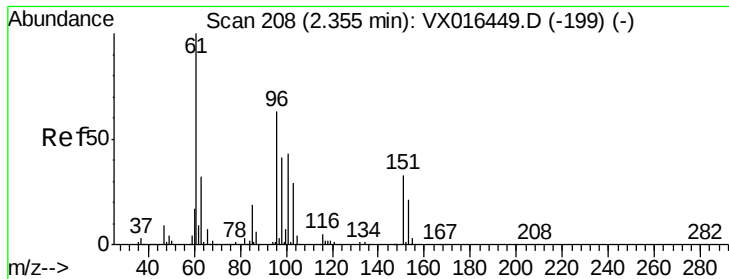
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#12

1,1-Dichloroethene

Concen: 0.763 ug/l

RT: 2.36 min Scan# 209

Delta R.T. 0.01 min

Lab File: VX016701.D

Acq: 11 Jun 2020 14:03

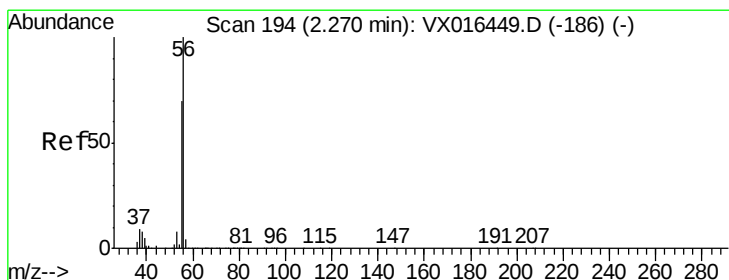
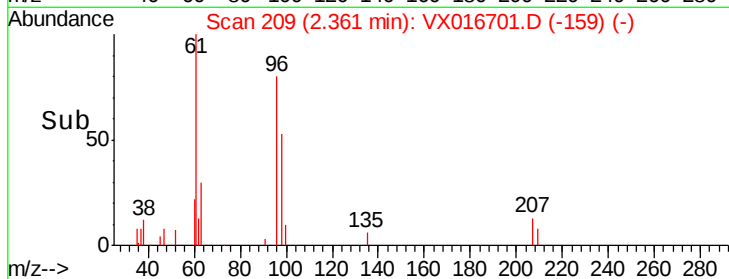
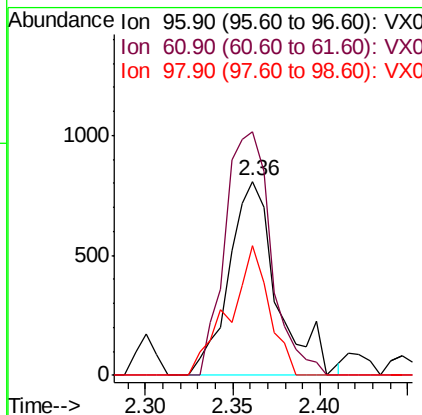
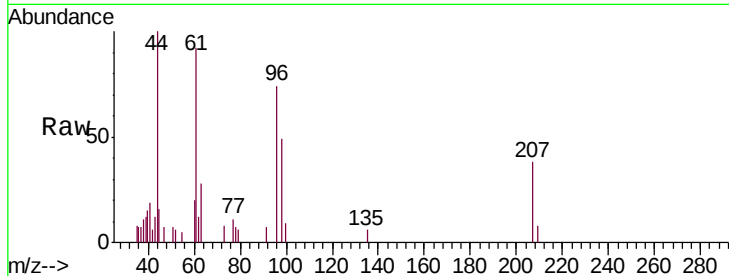
Instrument :

MSVOA_X

ClientSampleId :

Z1-DUP-0569-200610

Tgt Ion:	96	Resp:	1547
Ion	Ratio	Lower	Upper
96	100		
61	125.3	126.6	189.8#
98	66.9	51.3	76.9



#13

Acrolein

Concen: 0.589 ug/l

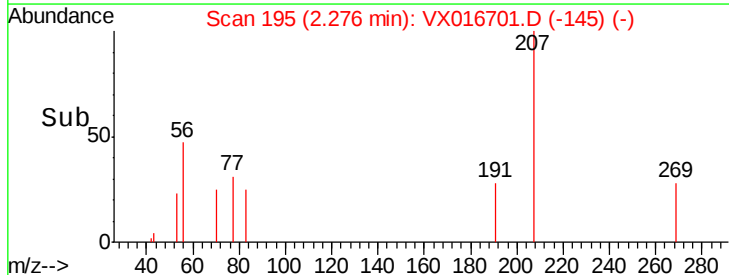
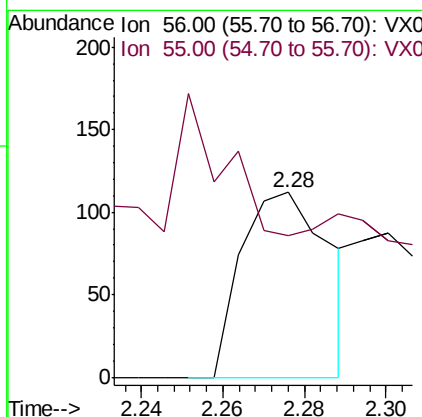
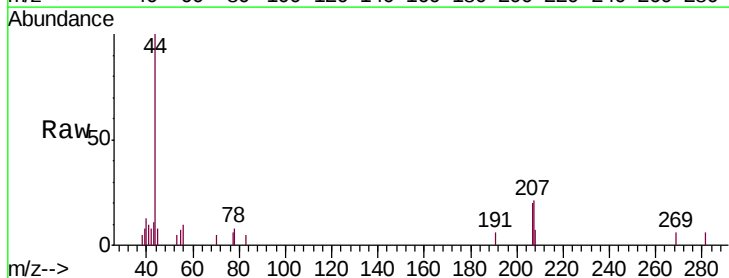
RT: 2.28 min Scan# 195

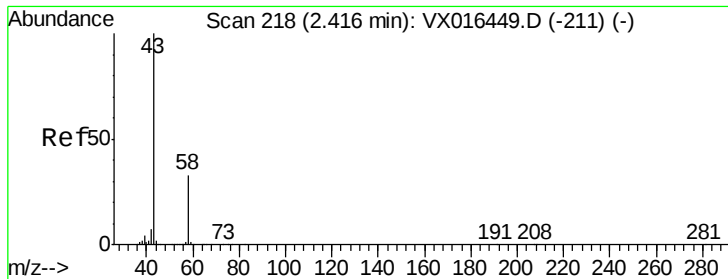
Delta R.T. 0.01 min

Lab File: VX016701.D

Acq: 11 Jun 2020 14:03

Tgt Ion:	56	Resp:	168
Ion	Ratio	Lower	Upper
56	100		
55	0.0	58.3	87.5#

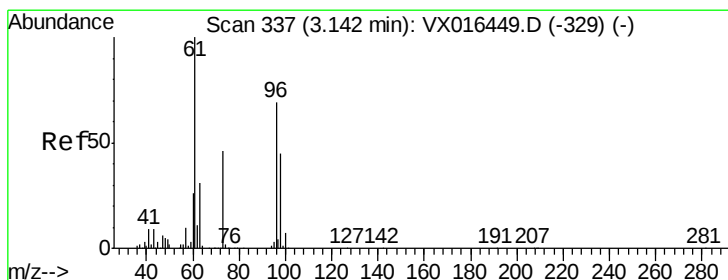
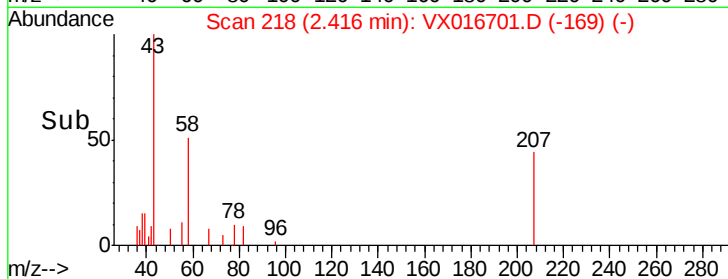
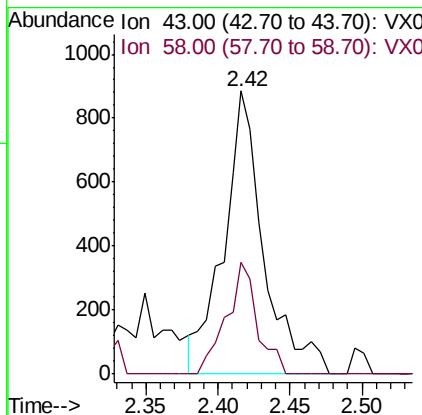
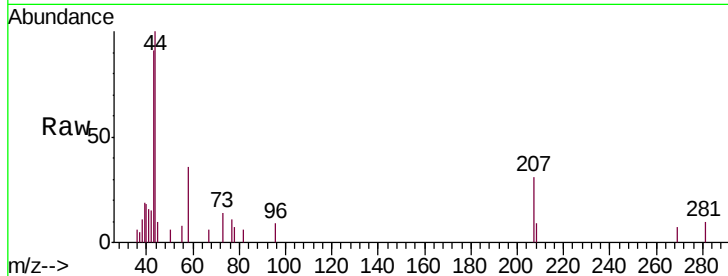




#16
Acetone
Concen: 1.496 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.00 min
Lab File: VX016701.D
Acq: 11 Jun 2020 14:03

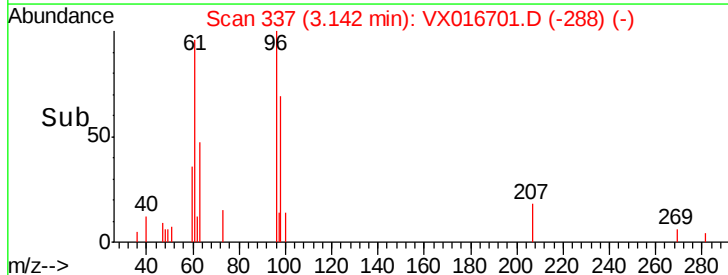
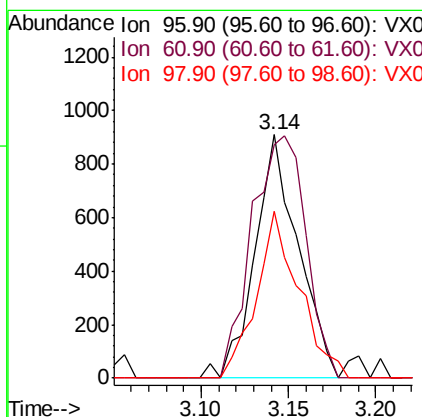
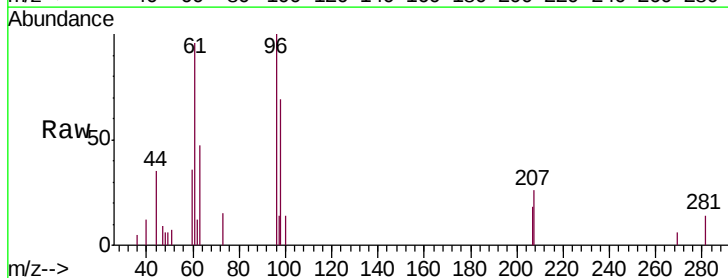
Instrument :
MSVOA_X
ClientSampleId :
Z1-DUP-0569-200610

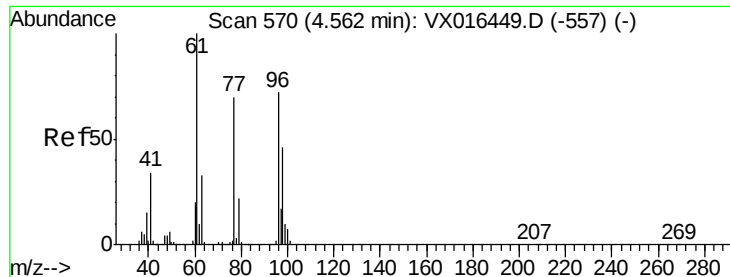
Tgt Ion: 43 Resp: 1715
Ion Ratio Lower Upper
43 100
58 39.3 26.1 39.1#



#21
trans-1,2-Dichloroethene
Concen: 0.700 ug/l
RT: 3.14 min Scan# 337
Delta R.T. -0.00 min
Lab File: VX016701.D
Acq: 11 Jun 2020 14:03

Tgt Ion: 96 Resp: 1569
Ion Ratio Lower Upper
96 100
61 95.9 115.3 172.9#
98 68.7 51.9 77.9



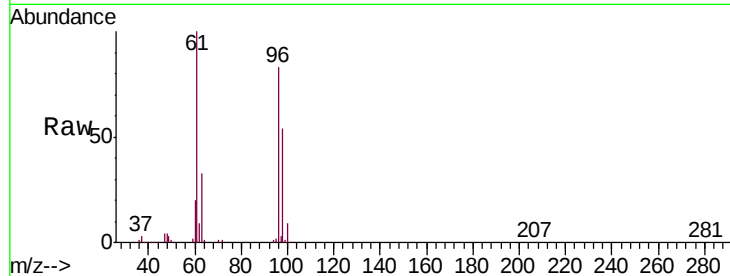


#27

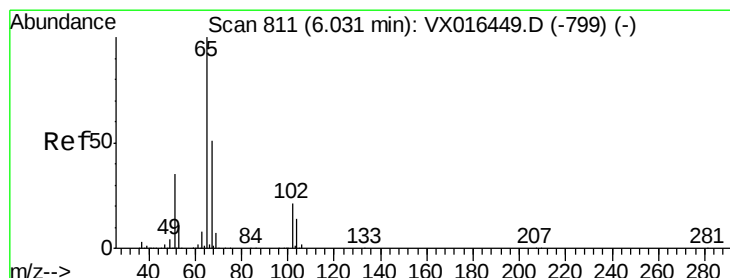
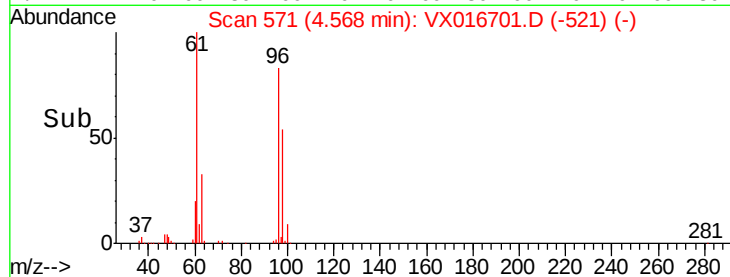
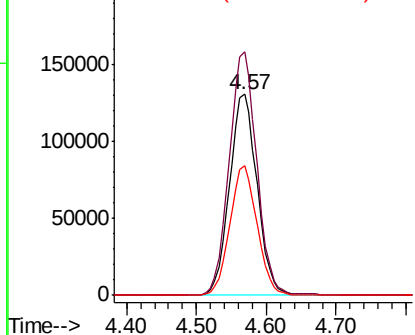
cis-1,2-Dichloroethene
 Concen: 138.517 ug/l
 RT: 4.57 min Scan# 571
 Delta R.T. 0.01 min
 Lab File: VX016701.D
 Acq: 11 Jun 2020 14:03

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1-DUP-0569-200610

Tgt Ion	Ratio	Lower	Upper
96	100		
61	120.8	0.0	284.6
98	63.8	0.0	127.2



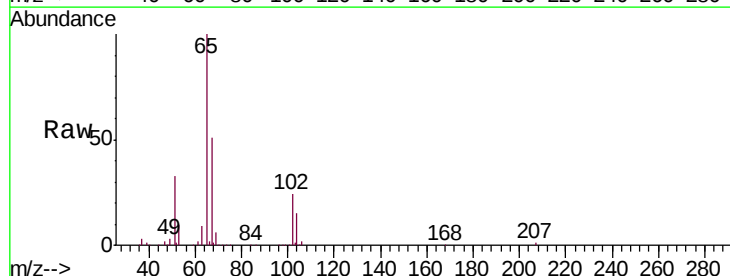
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



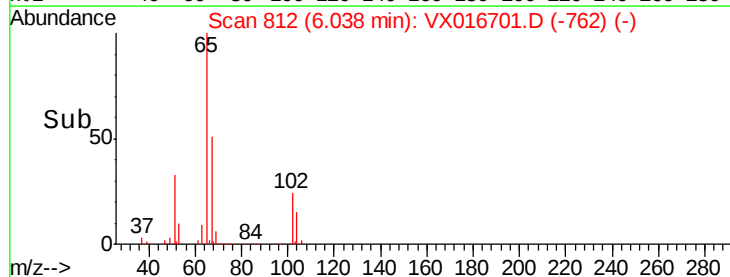
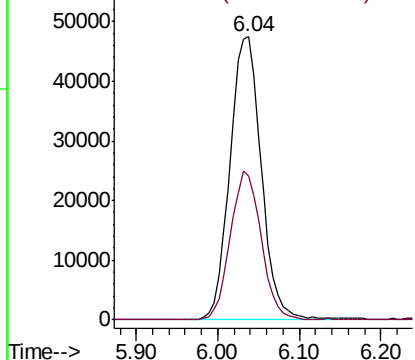
#33

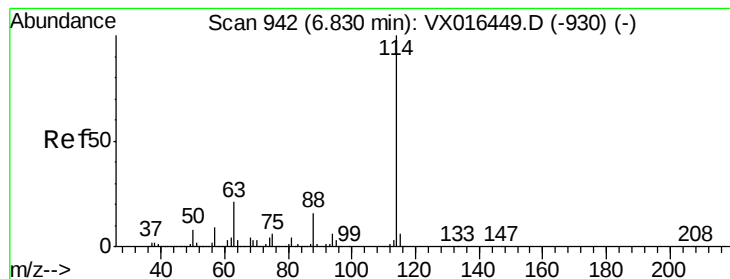
1,2-Dichloroethane-d4
 Concen: 48.131 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX016701.D
 Acq: 11 Jun 2020 14:03

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	104.8



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: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX016701.D

Acq: 11 Jun 2020 14:03

Instrument :

MSVOA_X

ClientSampleId :

Z1-DUP-0569-200610

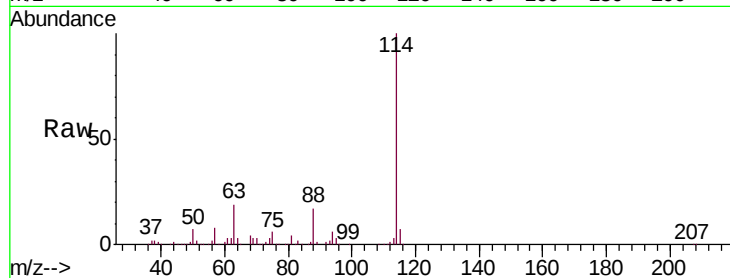
Tgt Ion:114 Resp: 329379

Ion Ratio Lower Upper

114 100

63 19.0 0.0 42.6

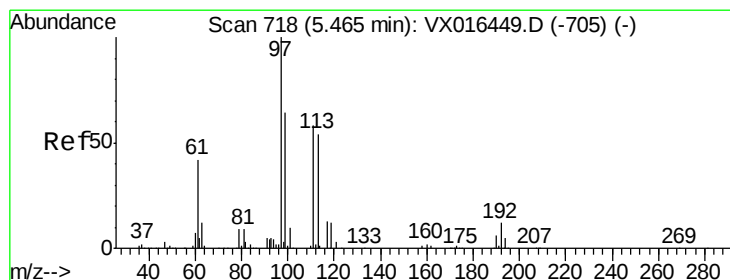
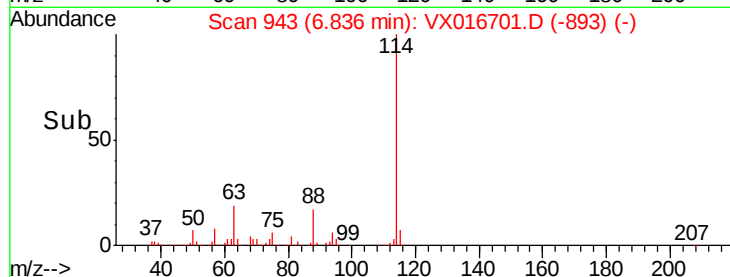
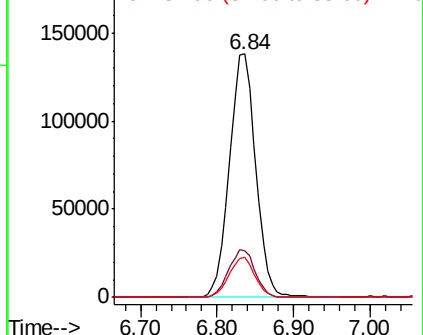
88 16.6 0.0 32.8



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: 49.992 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016701.D

Acq: 11 Jun 2020 14:03

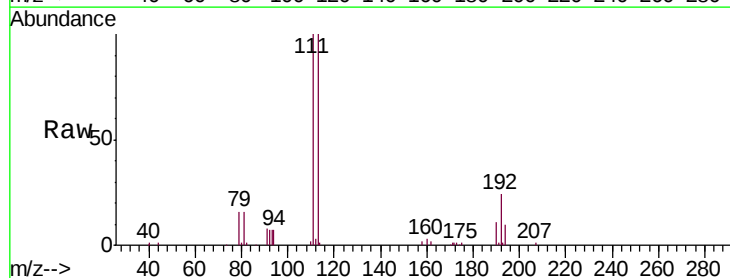
Tgt Ion:113 Resp: 101391

Ion Ratio Lower Upper

113 100

111 103.5 83.0 124.6

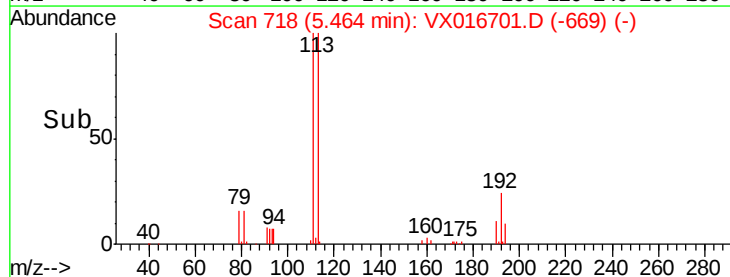
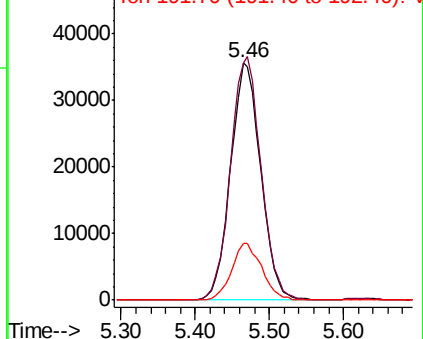
192 23.8 17.7 26.5

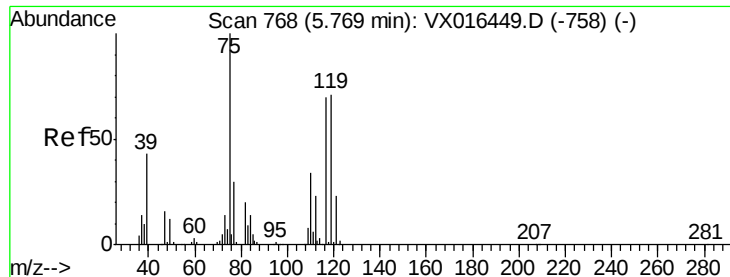


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.512 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX016701.D

Acq: 11 Jun 2020 14:03

Instrument :

MSVOA_X

ClientSampleId :

Z1-DUP-0569-200610

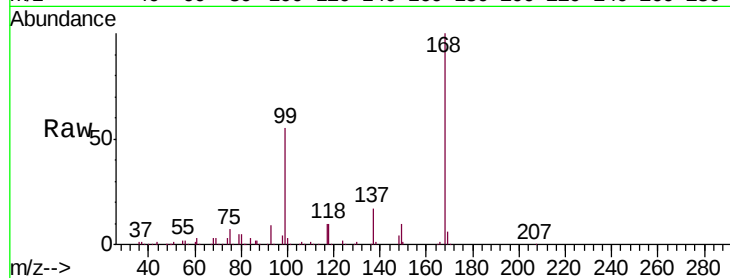
Tgt Ion: 75 Resp: 14070

Ion Ratio Lower Upper

75 100

110 10.7 17.4 52.3#

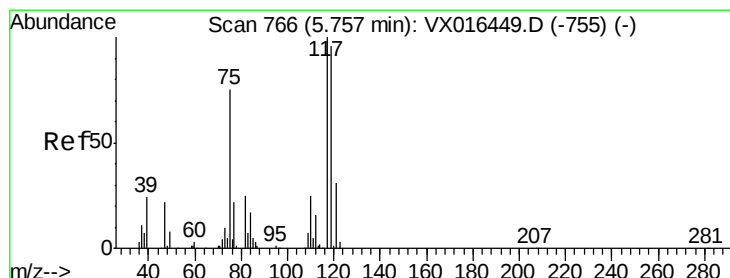
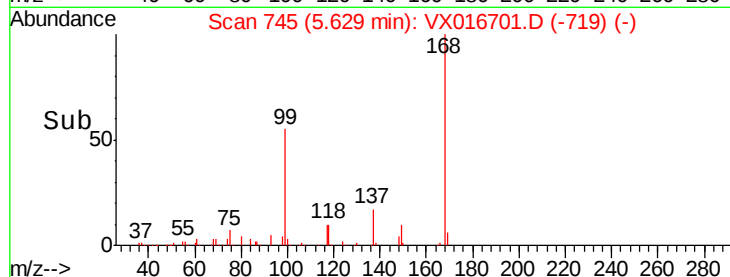
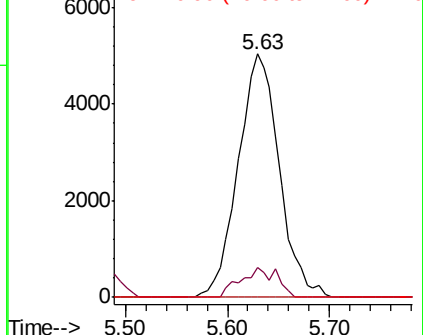
77 0.0 24.2 36.4#



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: 6.139 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.12 min

Lab File: VX016701.D

Acq: 11 Jun 2020 14:03

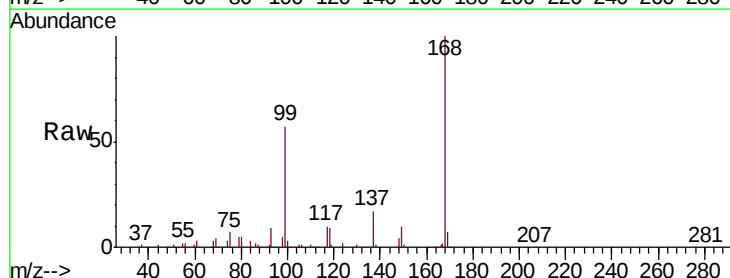
Tgt Ion: 117 Resp: 20119

Ion Ratio Lower Upper

117 100

119 5.3 76.3 114.5#

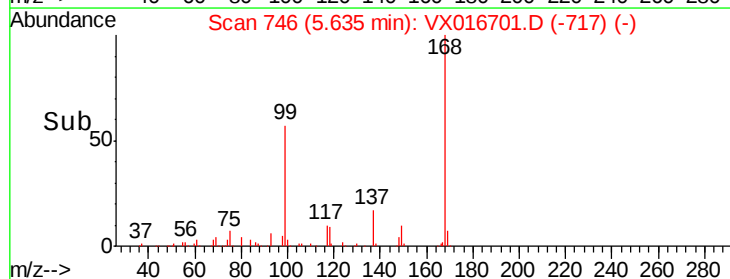
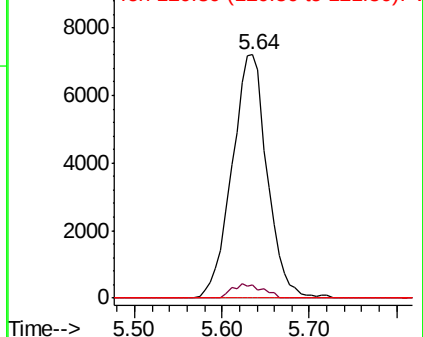
121 0.0 24.6 37.0#

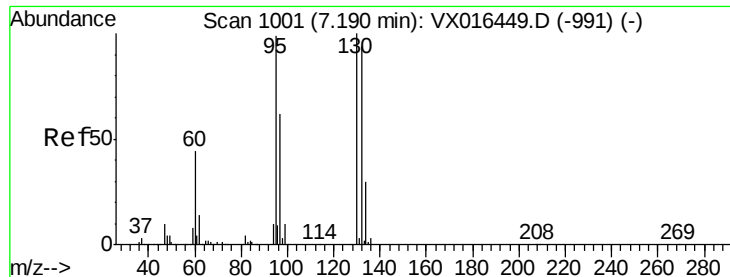


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#44

Trichloroethene

Concen: 1.422 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. -0.00 min

Lab File: VX016701.D

Acq: 11 Jun 2020 14:03

Instrument :

MSVOA_X

ClientSampleId :

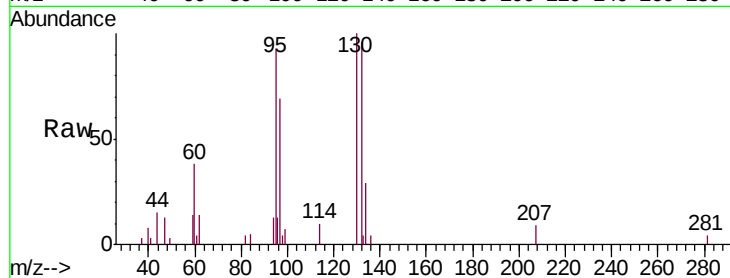
Z1-DUP-0569-200610

Tgt Ion:130 Resp: 4190

Ion Ratio Lower Upper

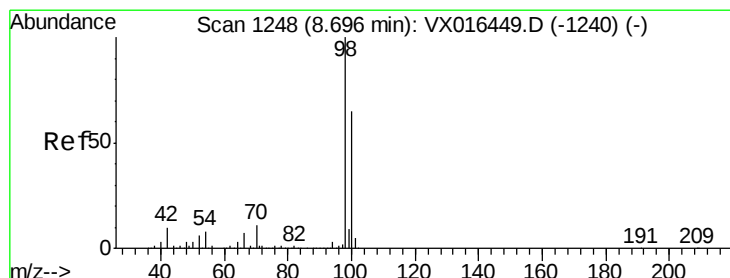
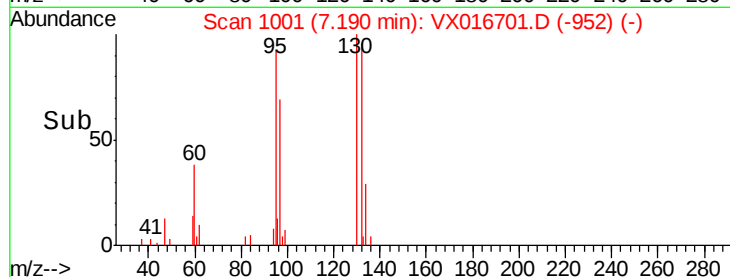
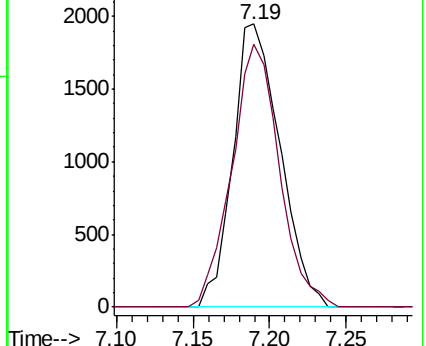
130 100

95 93.0 0.0 198.2



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0



#50

Toluene-d8

Concen: 51.381 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX016701.D

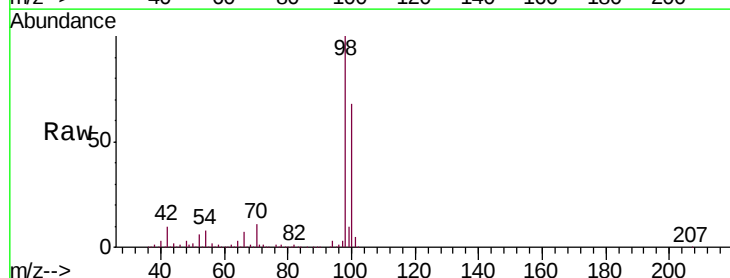
Acq: 11 Jun 2020 14:03

Tgt Ion: 98 Resp: 405595

Ion Ratio Lower Upper

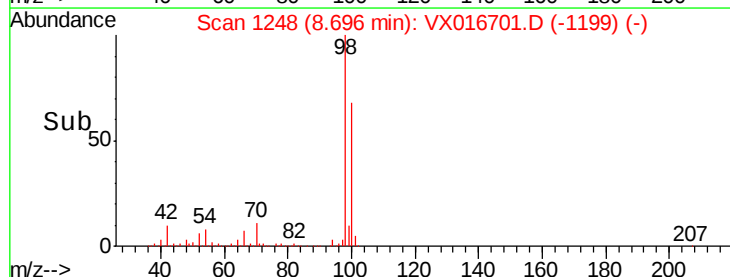
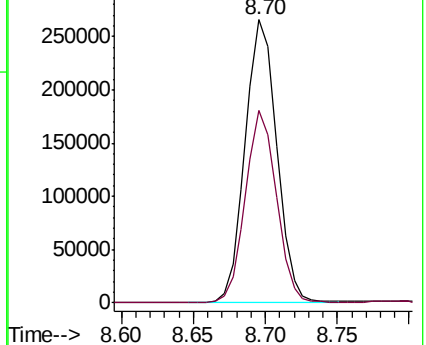
98 100

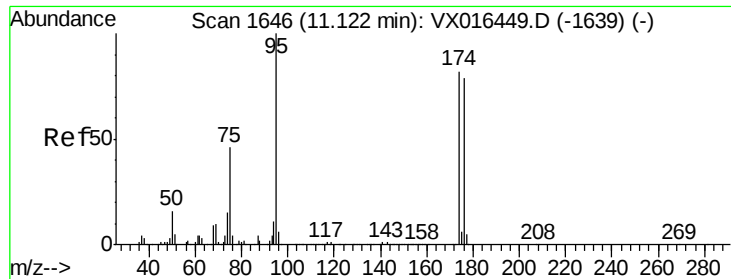
100 66.6 53.8 80.6



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

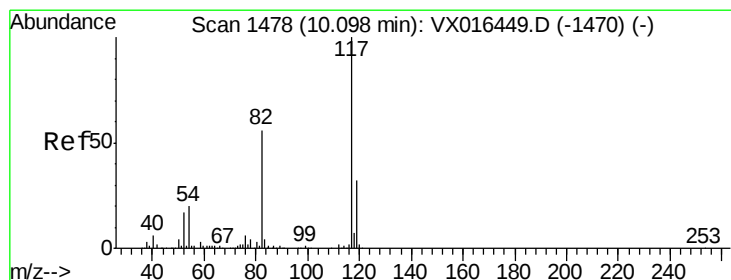
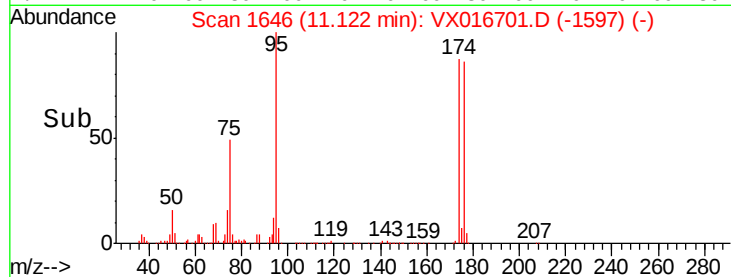
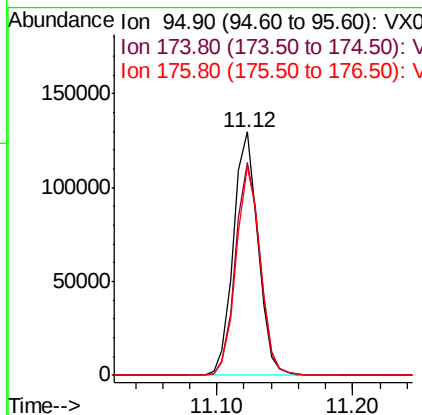
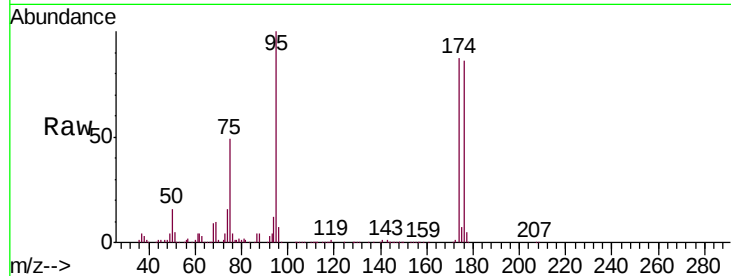




#62
4-Bromofluorobenzene
Concen: 53.475 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016701.D
Acq: 11 Jun 2020 14:03

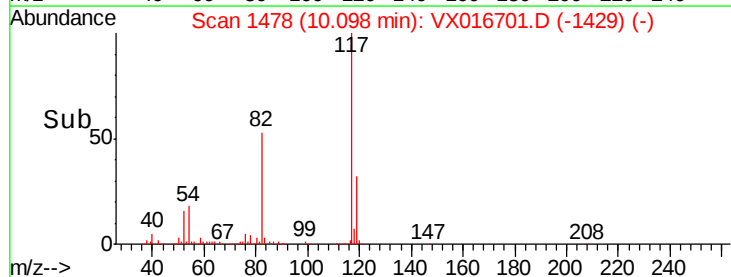
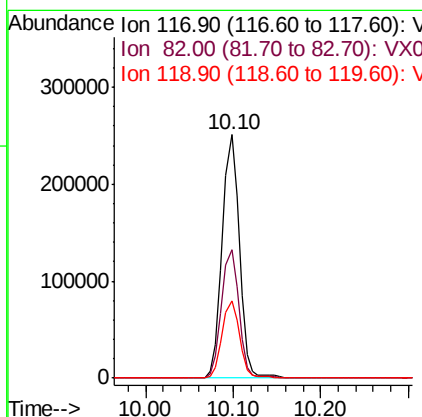
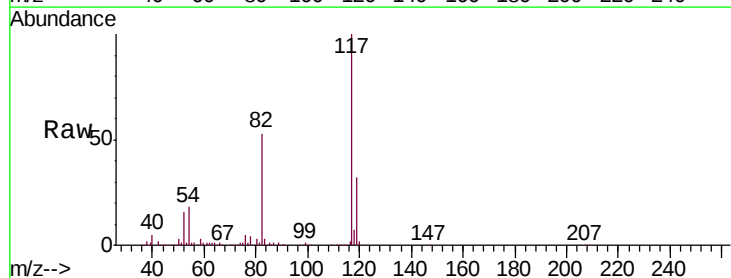
Instrument :
MSVOA_X
ClientSampleId :
Z1-DUP-0569-200610

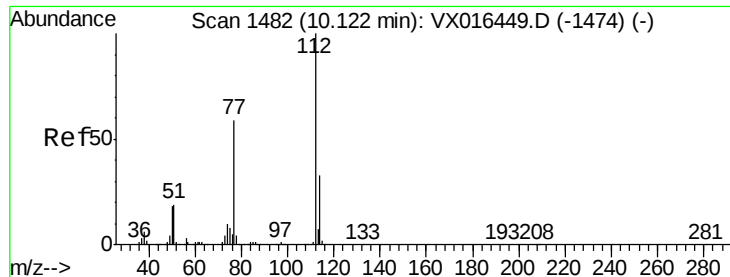
Tgt Ion	Ratio	Lower	Upper
95	100		
174	88.0	0.0	163.0
176	84.5	0.0	156.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016701.D
Acq: 11 Jun 2020 14:03

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.7	45.0	67.6
119	31.8	25.8	38.8

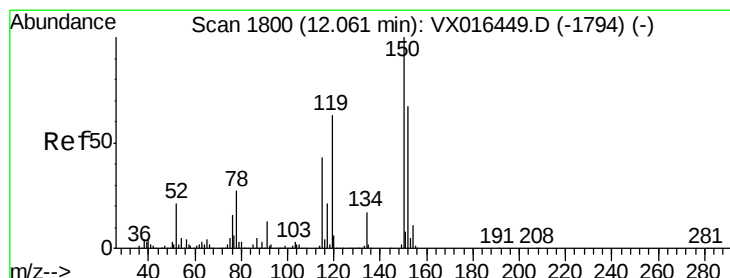
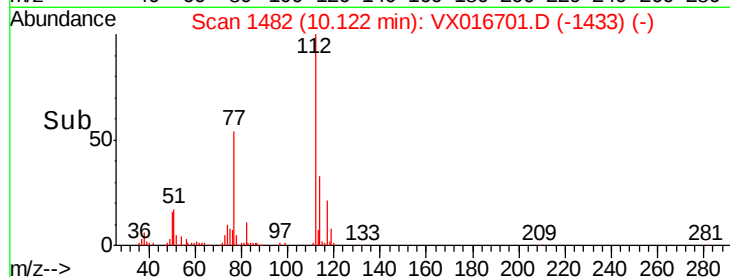
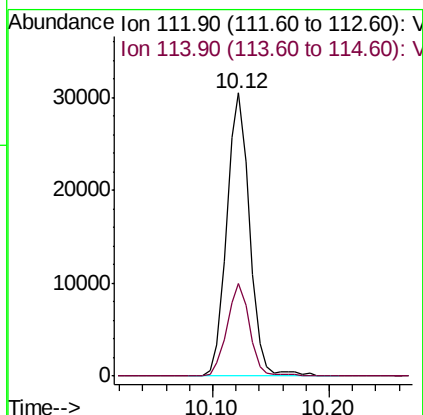
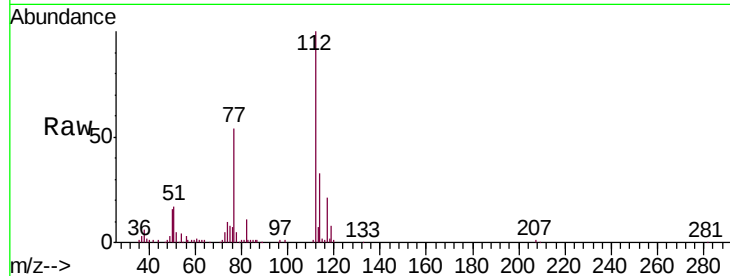




#65
Chlorobenzene
Concen: 5.954 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX016701.D
Acq: 11 Jun 2020 14:03

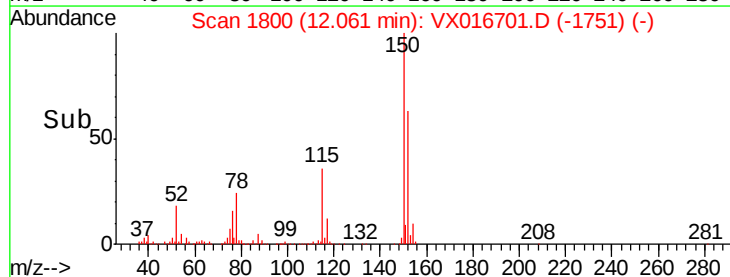
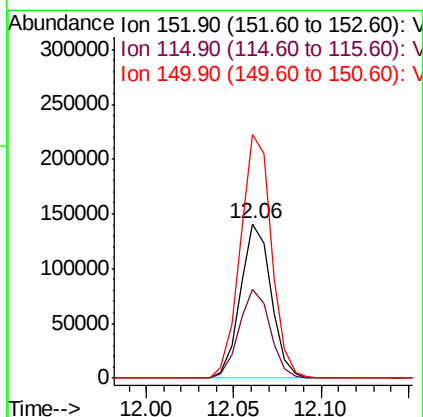
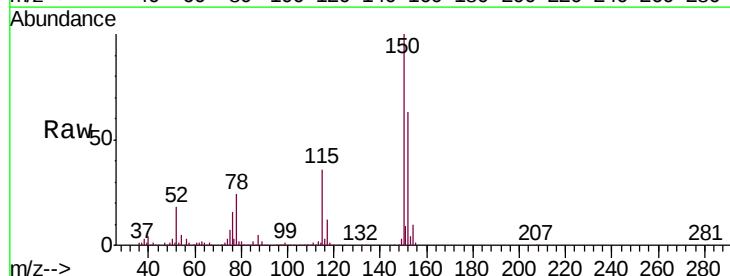
Instrument :
MSVOA_X
ClientSampleId :
Z1-DUP-0569-200610

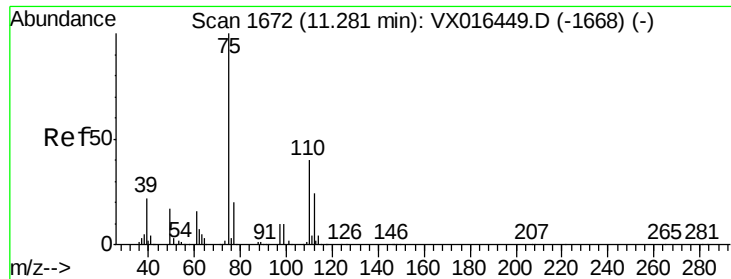
Tgt Ion:112 Resp: 41559
Ion Ratio Lower Upper
112 100
114 32.7 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016701.D
Acq: 11 Jun 2020 14:03

Tgt Ion:152 Resp: 171850
Ion Ratio Lower Upper
152 100
115 58.3 39.9 119.6
150 159.6 0.0 341.0

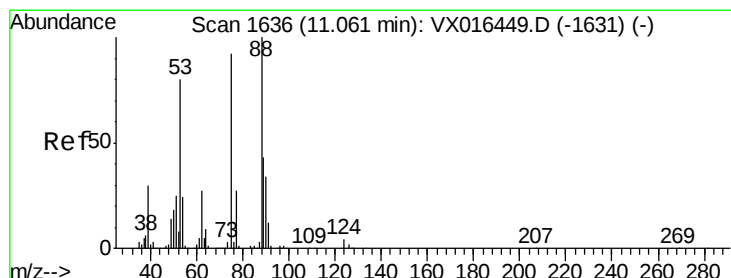
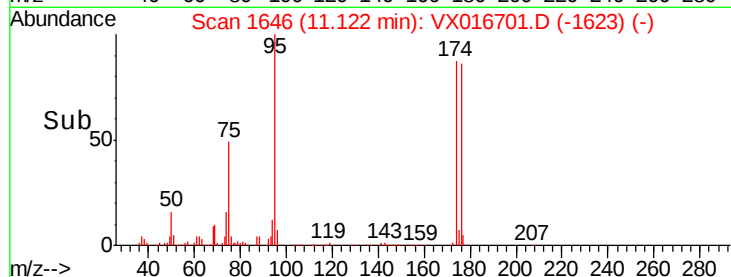
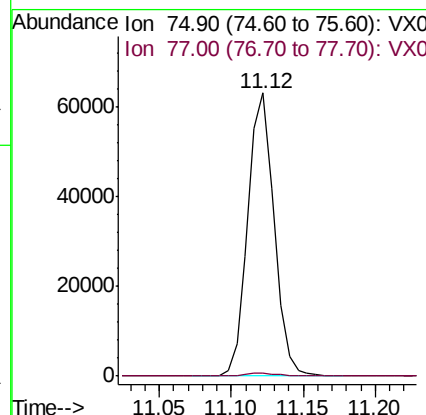
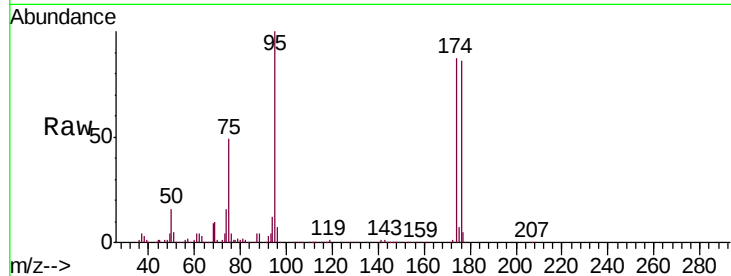




#76
 1,2,3-Trichloropropane
 Concen: 21.122 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. -0.16 min
 Lab File: VX016701.D
 Acq: 11 Jun 2020 14:03

Instrument :
 MSVOA_X
 ClientSampleId :
 Z1-DUP-0569-200610

Tgt Ion: 75 Resp: 79786
 Ion Ratio Lower Upper
 75 100
 77 1.2 21.3 63.7#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 51.957 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.06 min
 Lab File: VX016701.D
 Acq: 11 Jun 2020 14:03

Tgt Ion: 75 Resp: 79786
 Ion Ratio Lower Upper
 75 100
 53 0.1 71.3 106.9#
 89 0.0 36.6 55.0#

