

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX061620\
 Data File : VX016791.D
 Acq On : 16 Jun 2020 19:39
 Operator : JC/SP
 Sample : L2984-01 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0563

Quant Time: Jun 17 03:59:22 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061520W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 16 02:02:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	262665	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	413903	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	419619	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	216390	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.03	65	145842	49.37	ug/l	0.00
Spiked Amount			Recovery	=	98.74%	
35) Dibromofluoromethane	5.46	113	125692	49.22	ug/l	0.00
Spiked Amount			Recovery	=	98.44%	
50) Toluene-d8	8.70	98	506990	53.84	ug/l	0.00
Spiked Amount			Recovery	=	107.68%	
62) 4-Bromofluorobenzene	11.12	95	210147	58.35	ug/l	0.00
Spiked Amount			Recovery	=	116.70%	

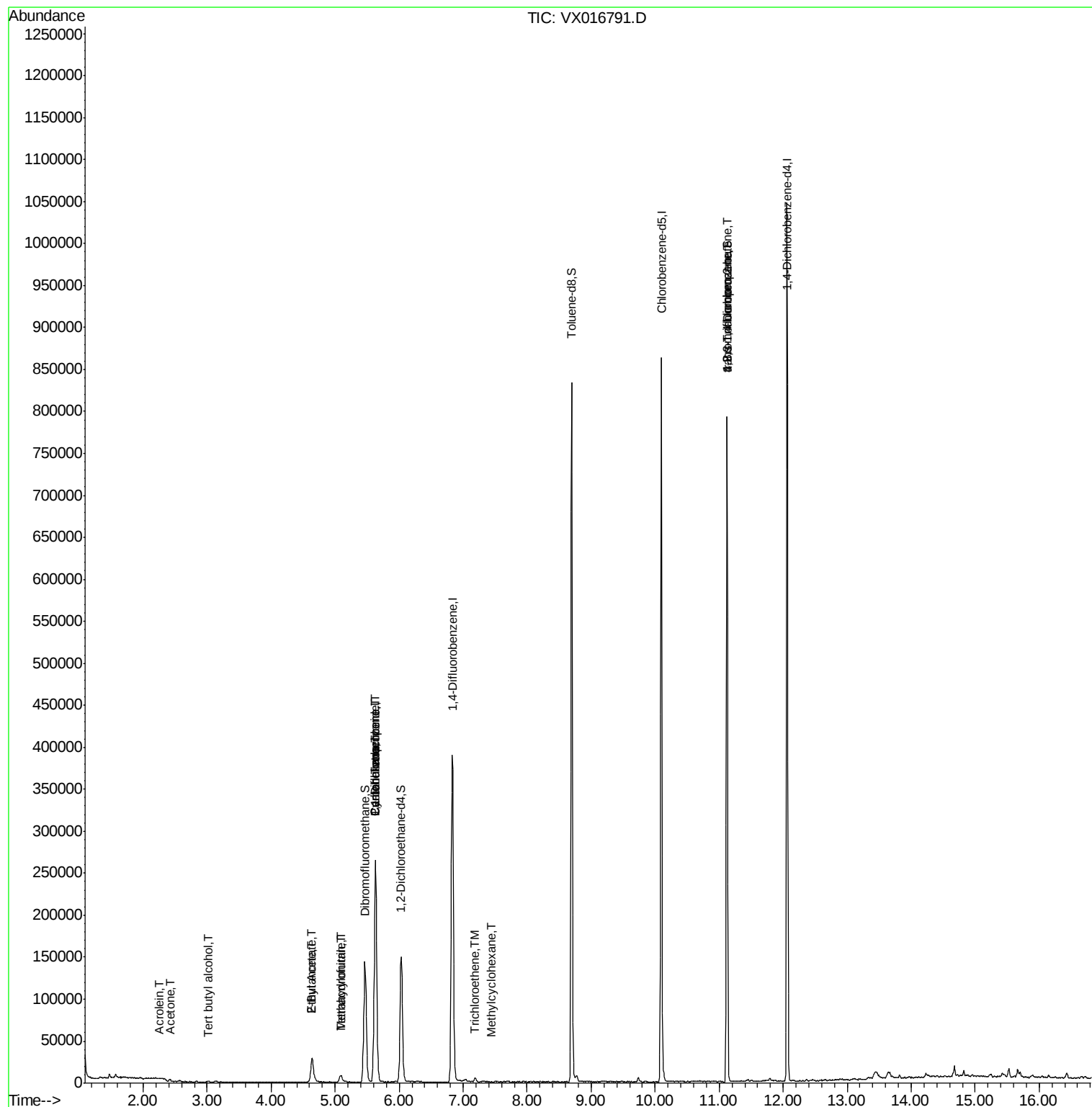
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	334	0.450	ug/l #	73
13) Acrolein	2.26	56	180	2.870	ug/l #	80
16) Acetone	2.42	43	3366	2.512	ug/l	99
25) 2-Butanone	4.64	43	36881	18.260	ug/l	99
29) Tetrahydrofuran	5.09	42	418	0.319	ug/l #	64
31) Cyclohexane	5.62	56	4333	1.820	ug/l #	15
36) 1,1-Dichloropropene	5.63	75	17762	4.856	ug/l #	50
37) Ethyl Acetate	4.64	43	36881	9.207	ug/l #	66
38) Carbon Tetrachloride	5.63	117	24291	5.847	ug/l #	17
39) Methylcyclohexane	7.45	83	20	0.958	ug/l #	19
41) Methacrylonitrile	5.09	41	2015	0.943	ug/l #	39
44) Trichloroethene	7.18	130	1971	0.572	ug/l	77
76) 1,2,3-Trichloropropane	11.12	75	100145	22.007	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	100145	55.402	ug/l #	13

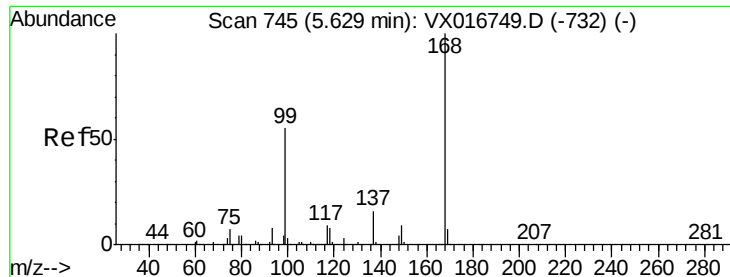
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.00 min

Lab File: VX016791.D

Acq: 16 Jun 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

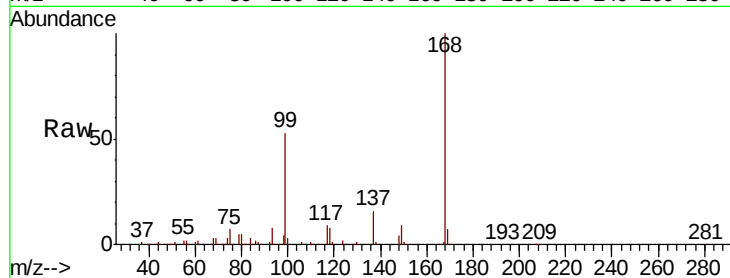
S49-0563

Tot Ion:168 Resp: 262665

Ion Ratio Lower Upper

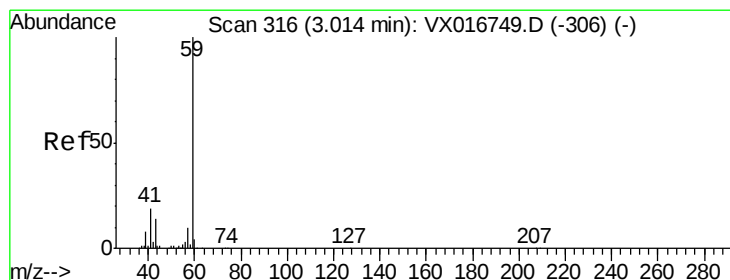
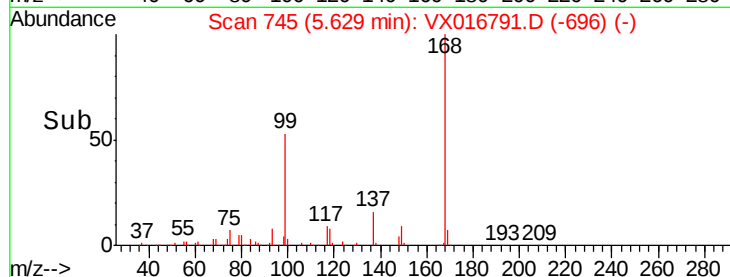
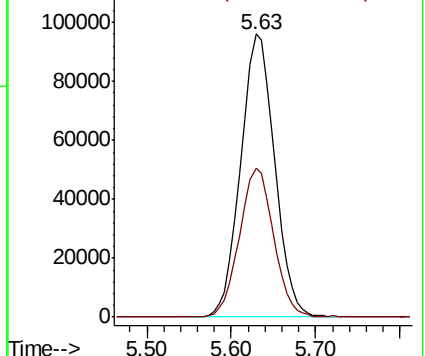
168 100

99 52.8 43.8 65.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 0.450 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016791.D

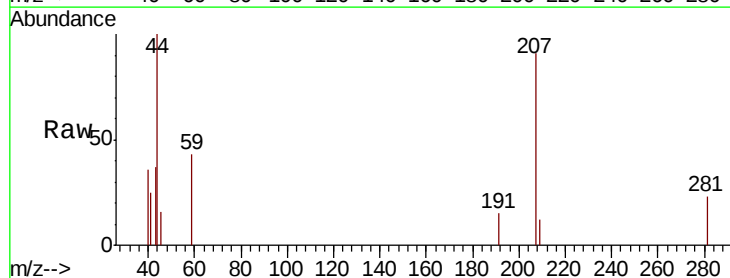
Acq: 16 Jun 2020 19:39

Tgt Ion: 59 Resp: 334

Ion Ratio Lower Upper

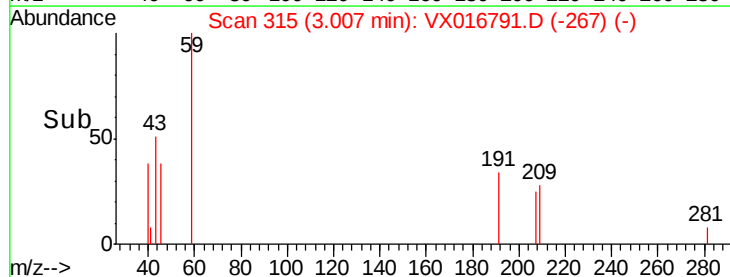
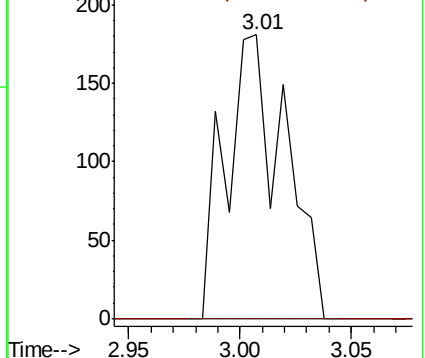
59 100

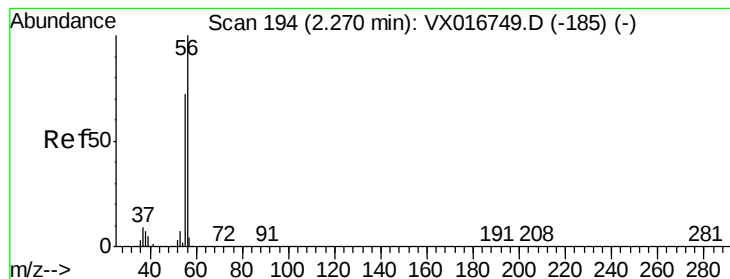
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 2.870 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.01 min

Lab File: VX016791.D

Acq: 16 Jun 2020 19:39

Instrument :

MSVOA_X

ClientSampled :

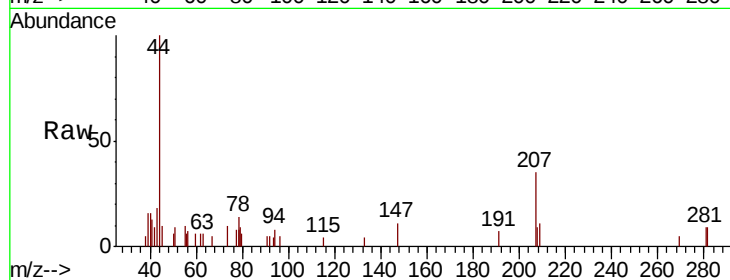
S49-0563

Tot Ion: 56 Resp: 180

Ion Ratio Lower Upper

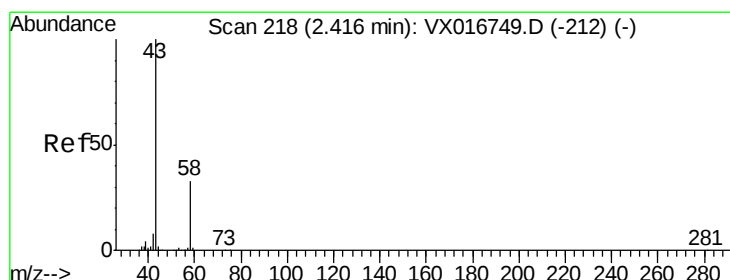
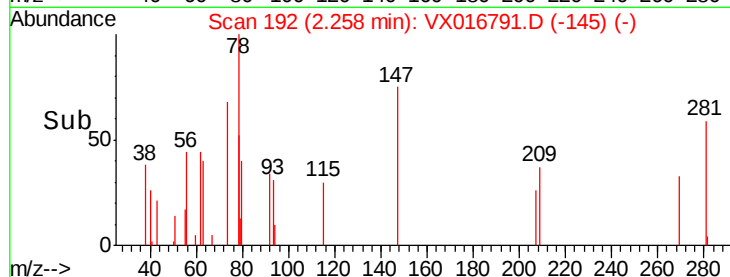
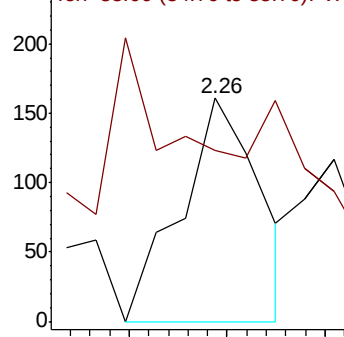
56 100

55 56.1 58.2 87.4#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 2.512 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016791.D

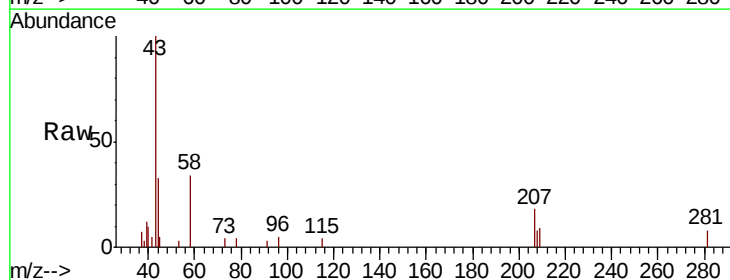
Acq: 16 Jun 2020 19:39

Tgt Ion: 43 Resp: 3366

Ion Ratio Lower Upper

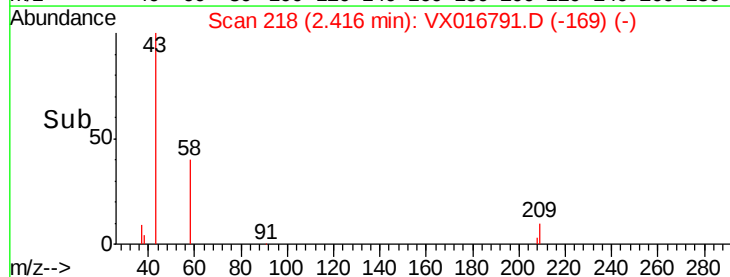
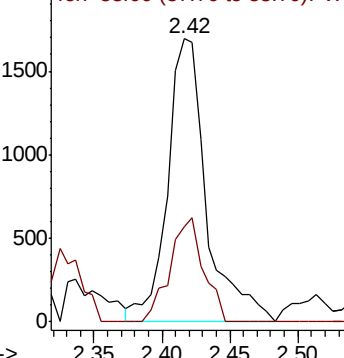
43 100

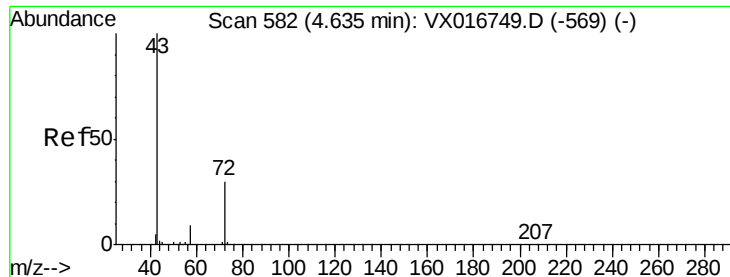
58 33.7 26.3 39.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 18.260 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.00 min

Lab File: VX016791.D

Acq: 16 Jun 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

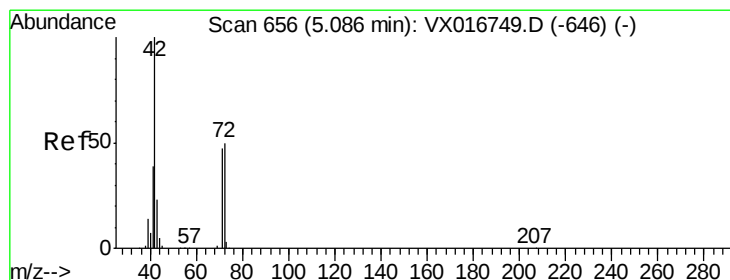
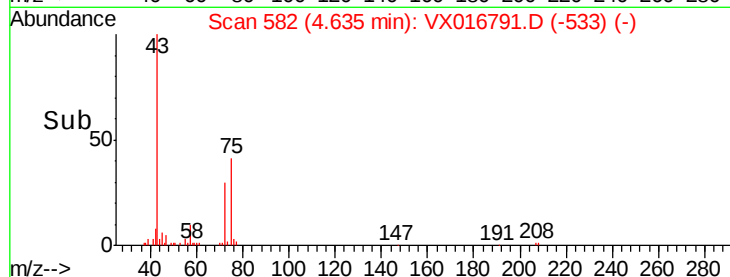
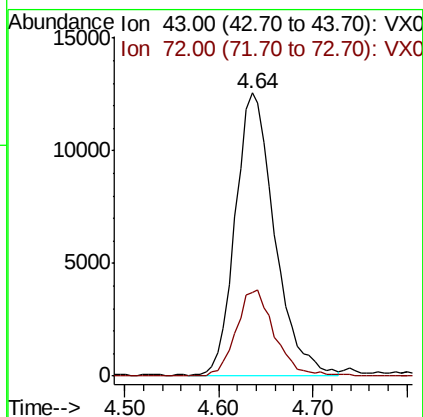
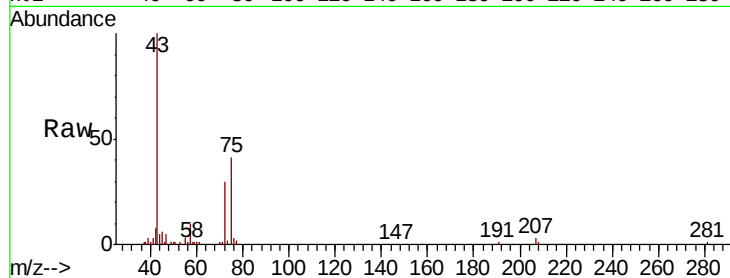
S49-0563

Tot Ion: 43 Resp: 36881

Ion Ratio Lower Upper

43 100

72 29.7 24.2 36.4



#29

Tetrahydrofuran

Concen: 0.319 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.01 min

Lab File: VX016791.D

Acq: 16 Jun 2020 19:39

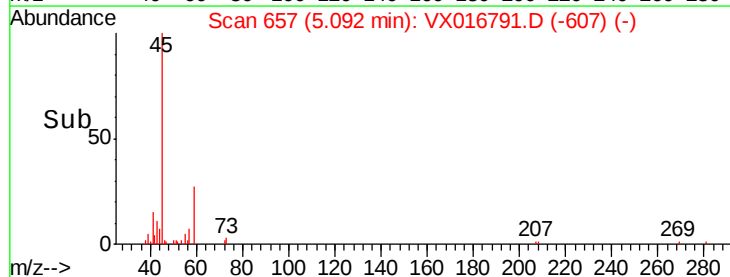
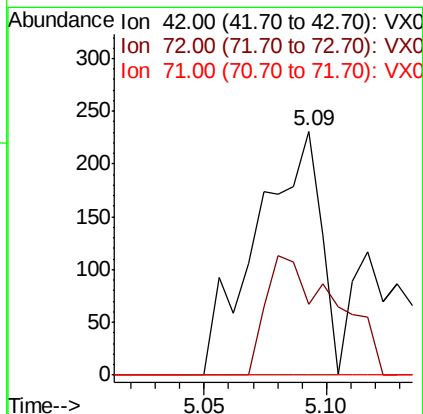
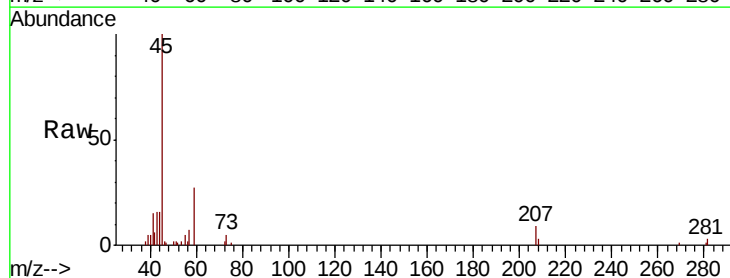
Tgt Ion: 42 Resp: 418

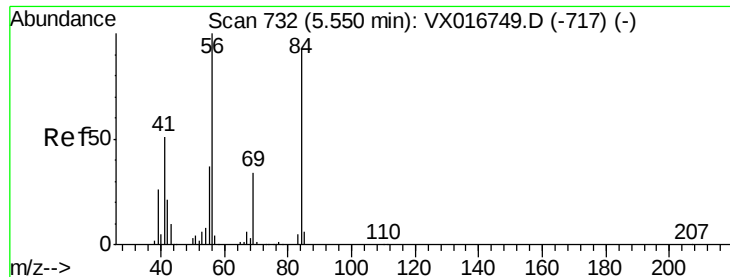
Ion Ratio Lower Upper

42 100

72 53.8 41.0 61.6

71 0.0 38.2 57.4#

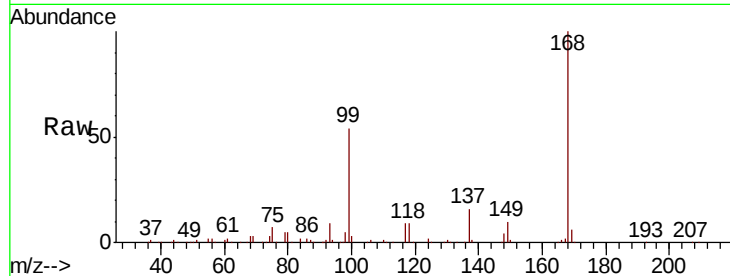




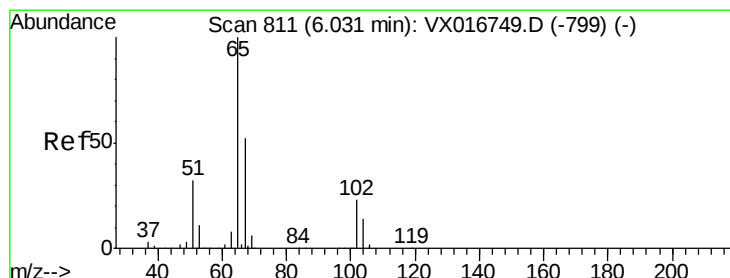
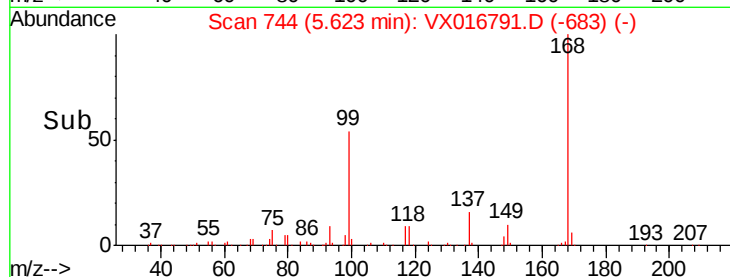
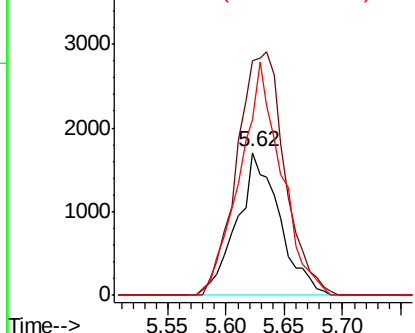
#31
Cyclohexane
Concen: 1.820 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.07 min
Lab File: VX016791.D
Acq: 16 Jun 2020 19:39

Instrument :
MSVOA_X
ClientSampleId :
S49-0563

Tot Ion: 56 Resp: 4333
Ion Ratio Lower Upper
56 100
69 164.4 27.1 40.7#
84 123.7 74.0 111.0#

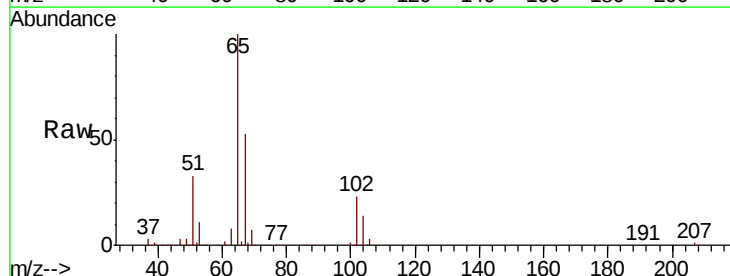


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

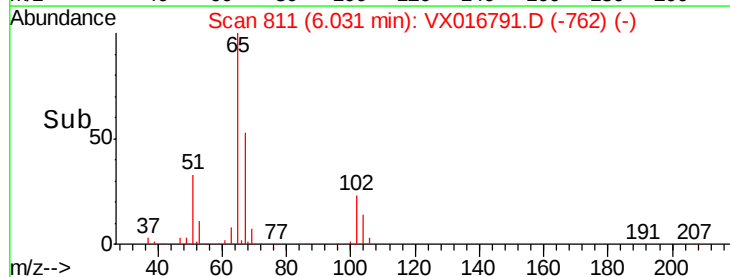
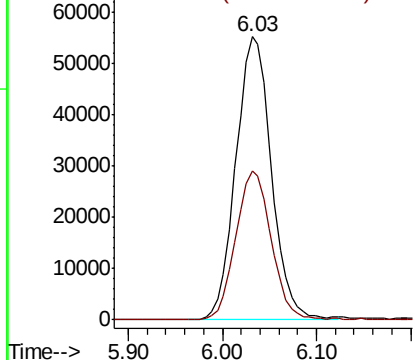


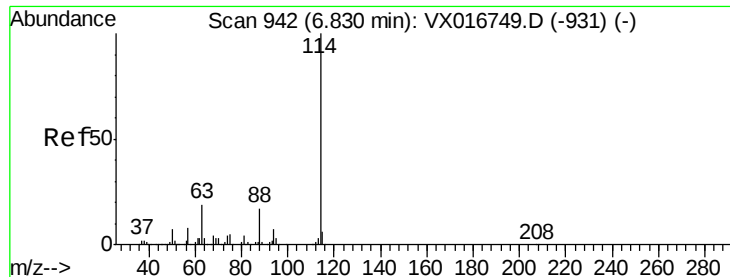
#33
1,2-Dichloroethane-d4
Concen: 49.366 ug/l
RT: 6.03 min Scan# 811
Delta R.T. 0.00 min
Lab File: VX016791.D
Acq: 16 Jun 2020 19:39

Tgt Ion: 65 Resp: 145842
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.0



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: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX016791.D

Acq: 16 Jun 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

S49-0563

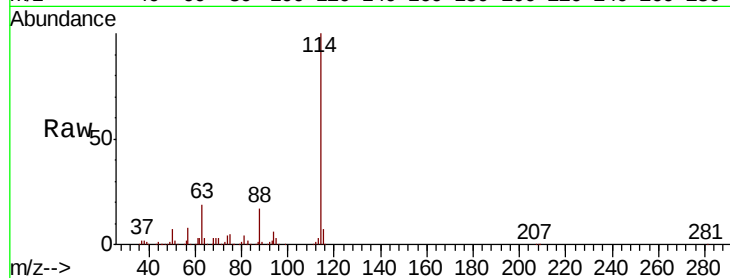
Tot Ion:114 Resp: 413903

Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.8

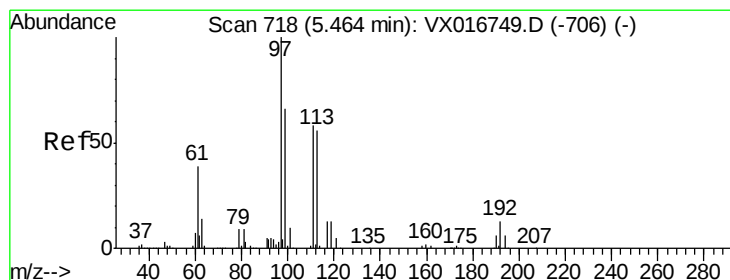
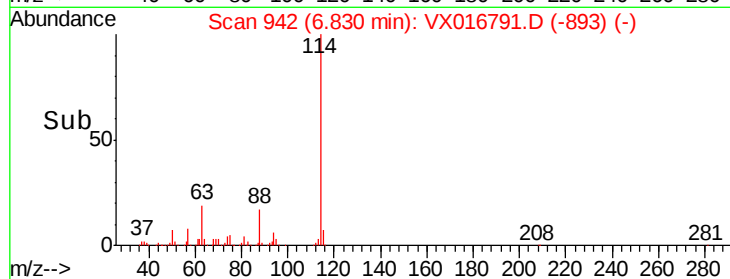
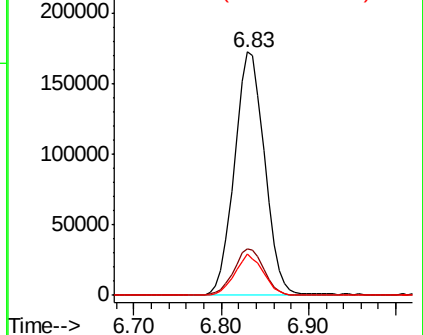
88 16.7 0.0 33.4



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: 49.219 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX016791.D

Acq: 16 Jun 2020 19:39

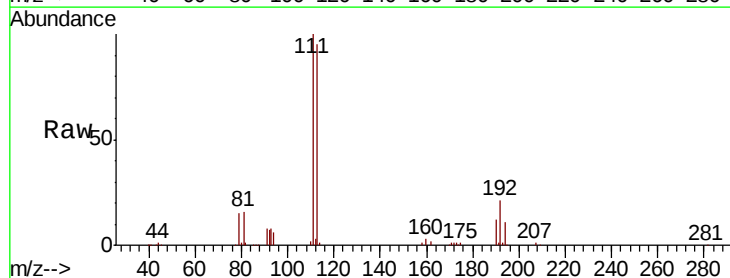
Tgt Ion:113 Resp: 125692

Ion Ratio Lower Upper

113 100

111 103.8 81.8 122.6

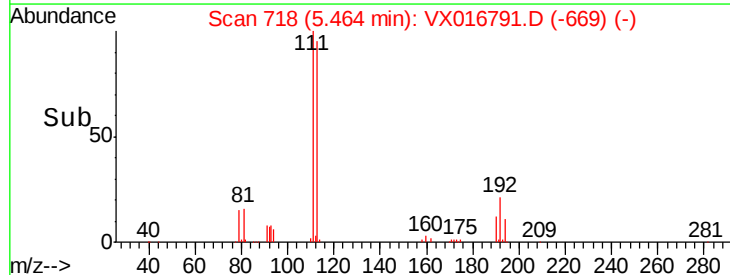
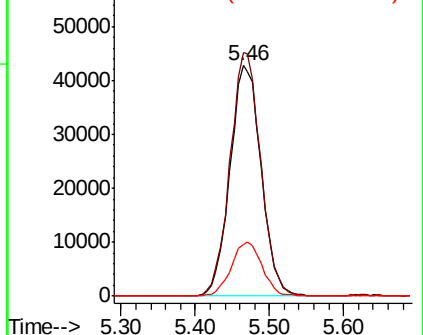
192 23.3 18.2 27.4

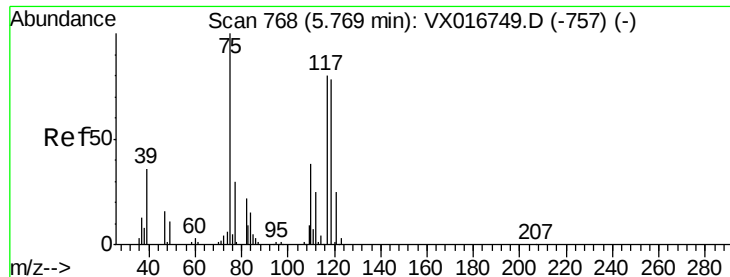


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

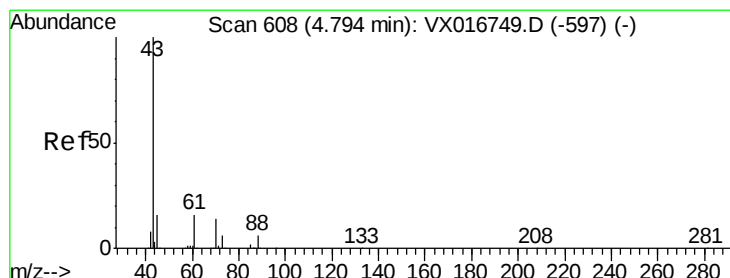
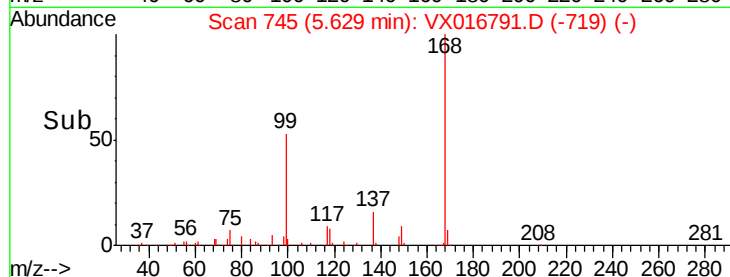
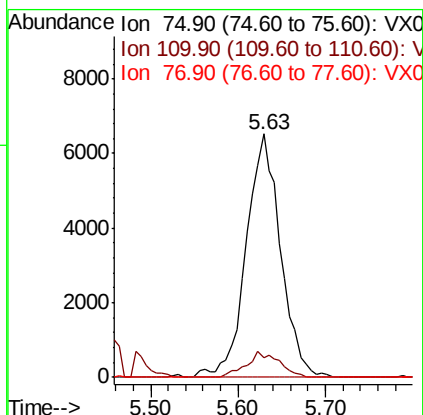
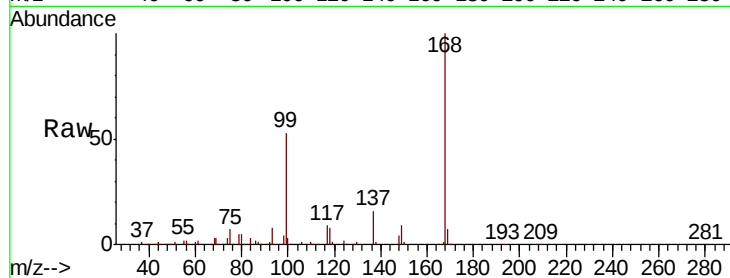




#36
 1,1-Dichloropropene
 Concen: 4.856 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016791.D
 Acq: 16 Jun 2020 19:39

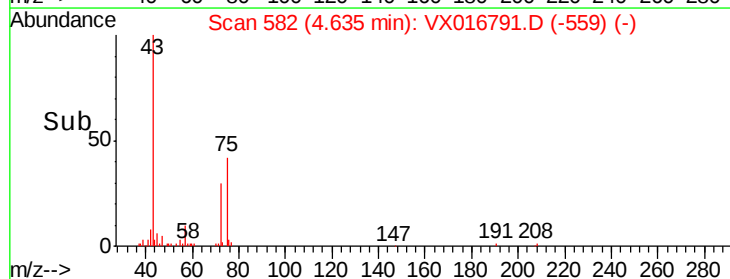
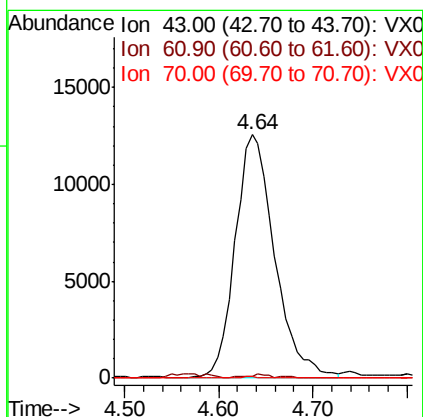
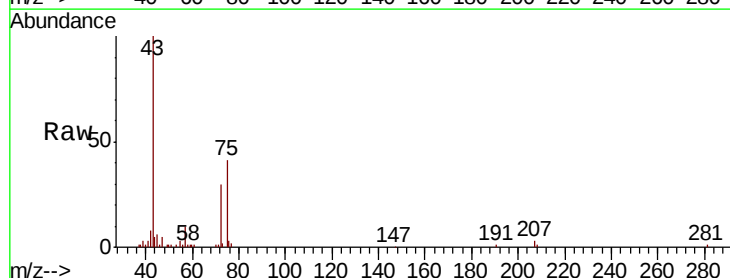
Instrument :
 MSVOA_X
 ClientSampleId :
 S49-0563

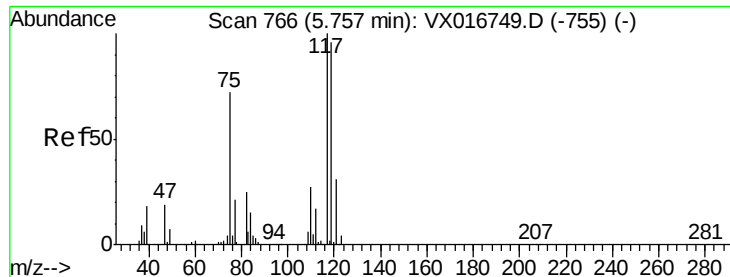
Tot Ion: 75 Resp: 17762
 Ion Ratio Lower Upper
 75 100
 110 10.2 18.4 55.2#
 77 0.0 24.7 37.1#



#37
 Ethyl Acetate
 Concen: 9.207 ug/l
 RT: 4.64 min Scan# 582
 Delta R.T. -0.16 min
 Lab File: VX016791.D
 Acq: 16 Jun 2020 19:39

Tgt Ion: 43 Resp: 36881
 Ion Ratio Lower Upper
 43 100
 61 0.8 12.4 18.6#
 70 0.1 10.8 16.2#





#38

Carbon Tetrachloride

Concen: 5.847 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016791.D

Acq: 16 Jun 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

S49-0563

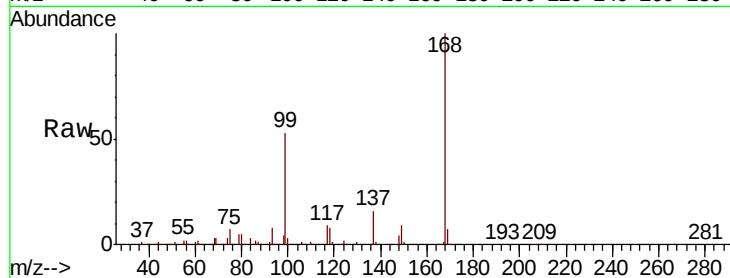
Tot Ion:117 Resp: 24291

Ion Ratio Lower Upper

117 100

119 6.5 76.7 115.1#

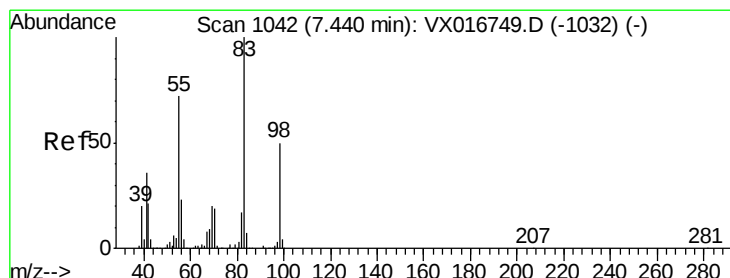
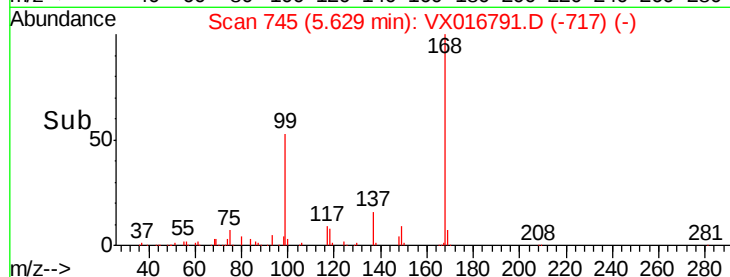
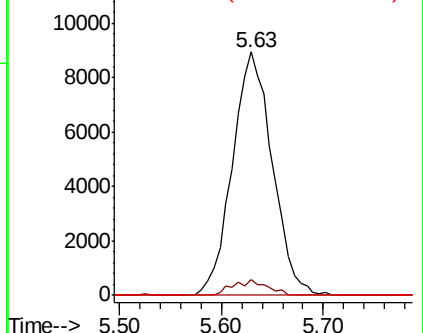
121 0.0 24.7 37.1#



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



#39

Methylcyclohexane

Concen: 0.958 ug/l

RT: 7.45 min Scan# 1043

Delta R.T. 0.01 min

Lab File: VX016791.D

Acq: 16 Jun 2020 19:39

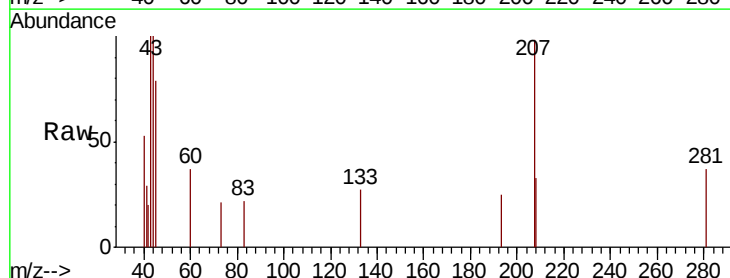
Tgt Ion: 83 Resp: 20

Ion Ratio Lower Upper

83 100

55 0.0 57.3 85.9#

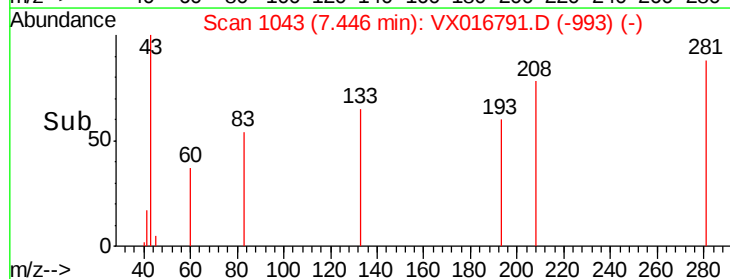
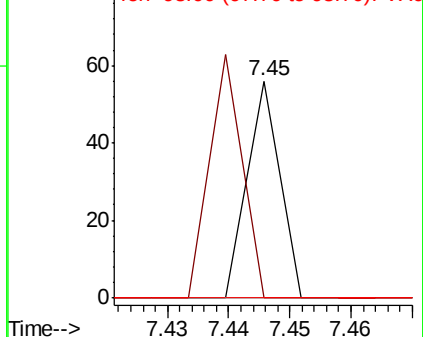
98 0.0 40.3 60.5#

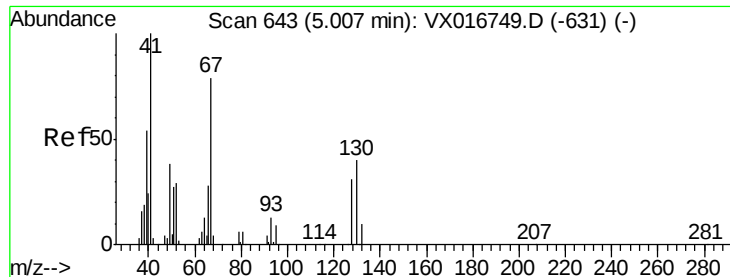


Abundance Ion 83.00 (82.70 to 83.70): VX0

Ion 55.00 (54.70 to 55.70): VX0

Ion 98.00 (97.70 to 98.70): VX0





#41

Methacrylonitrile

Concen: 0.943 ug/l

RT: 5.09 min Scan# 656

Delta R.T. 0.08 min

Lab File: VX016791.D

Acq: 16 Jun 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

S49-0563

Tot Ion: 41 Resp: 2015

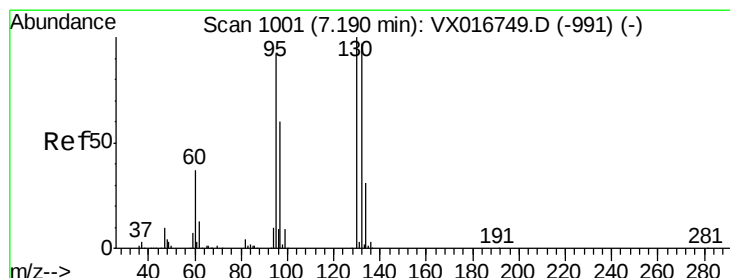
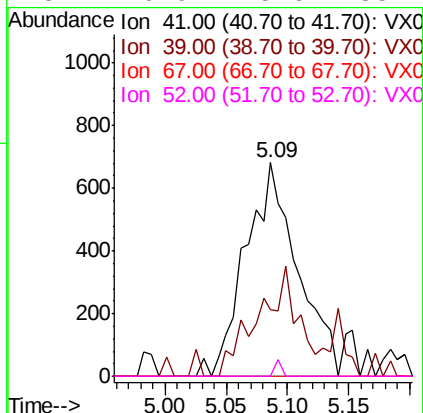
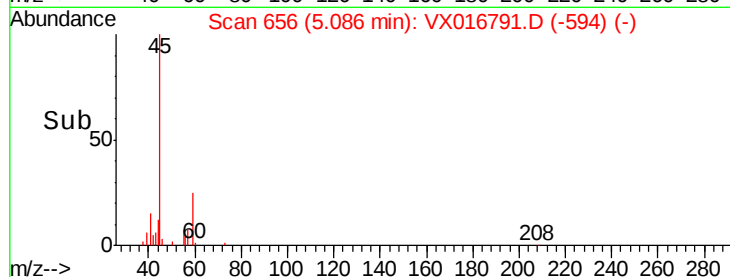
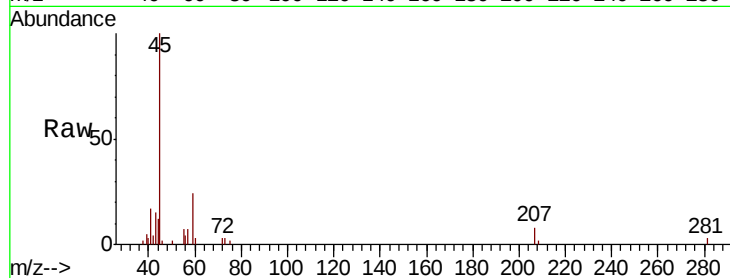
Ion Ratio Lower Upper

41 100

39 39.8 43.7 65.5#

67 0.0 64.6 96.8#

52 0.9 25.6 38.4#



#44

Trichloroethene

Concen: 0.572 ug/l

RT: 7.18 min Scan# 1000

Delta R.T. -0.01 min

Lab File: VX016791.D

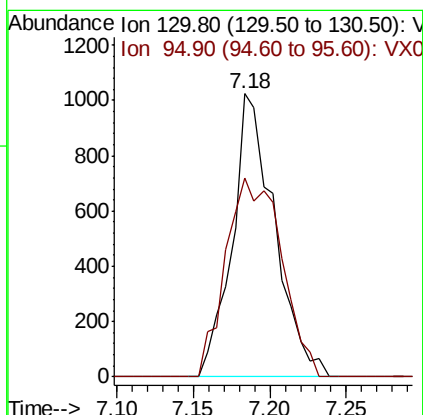
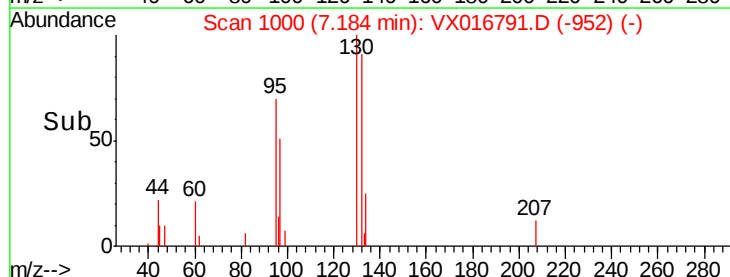
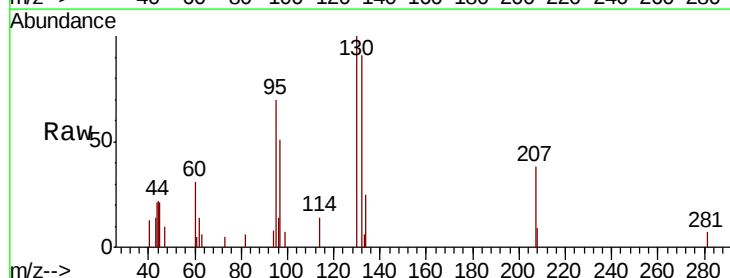
Acq: 16 Jun 2020 19:39

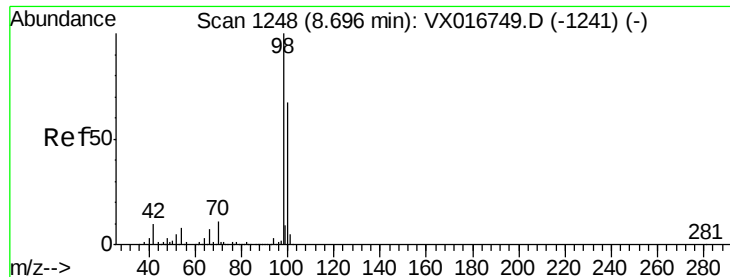
Tgt Ion: 130 Resp: 1971

Ion Ratio Lower Upper

130 100

95 70.2 0.0 183.6

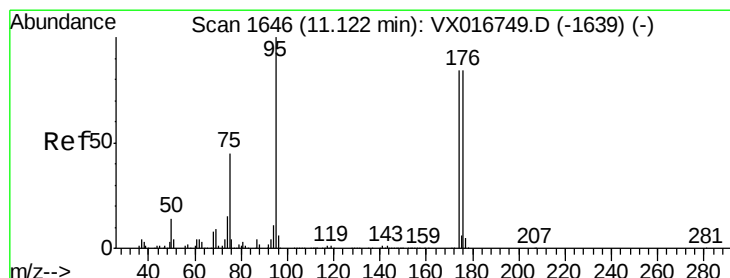
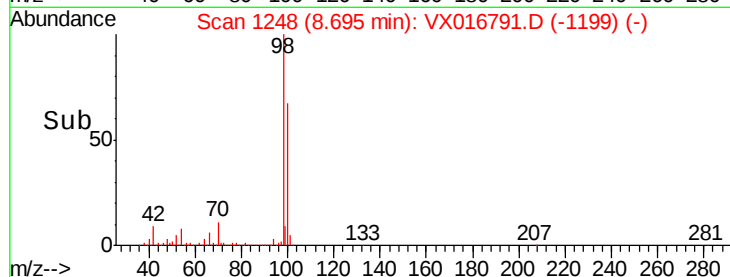
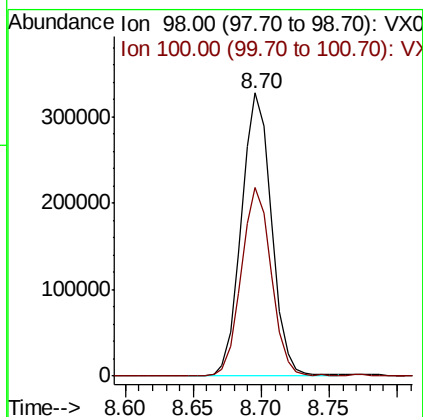
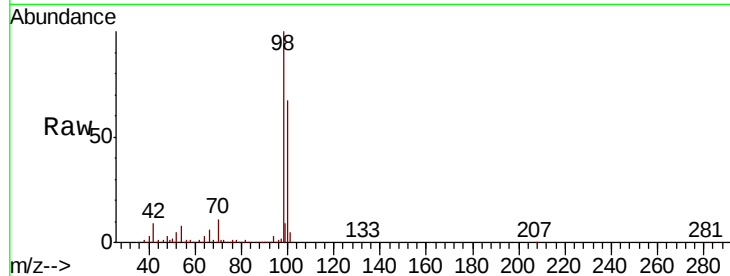




#50
Toluene-d8
Concen: 53.842 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016791.D
Acq: 16 Jun 2020 19:39

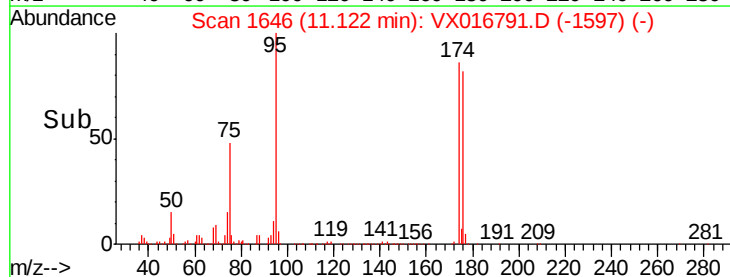
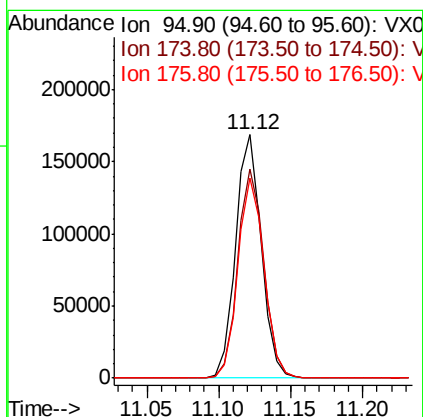
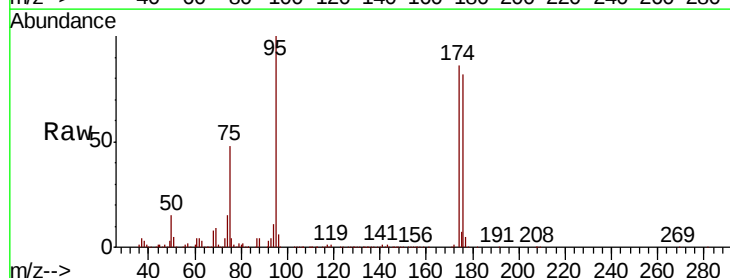
Instrument :
MSVOA_X
ClientSampleId :
S49-0563

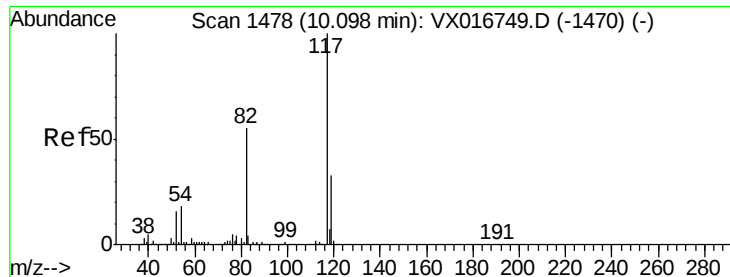
Tot Ion: 98 Resp: 506990
Ion Ratio Lower Upper
98 100
100 66.3 53.9 80.9



#62
4-Bromofluorobenzene
Concen: 58.347 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016791.D
Acq: 16 Jun 2020 19:39

Tgt Ion: 95 Resp: 210147
Ion Ratio Lower Upper
95 100
174 87.1 0.0 171.0
176 83.6 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX016791.D

Acq: 16 Jun 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

S49-0563

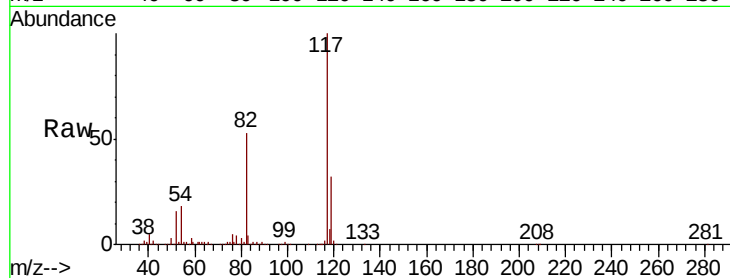
Tot Ion:117 Resp: 419619

Ion Ratio Lower Upper

117 100

82 52.9 43.8 65.6

119 32.1 26.2 39.4

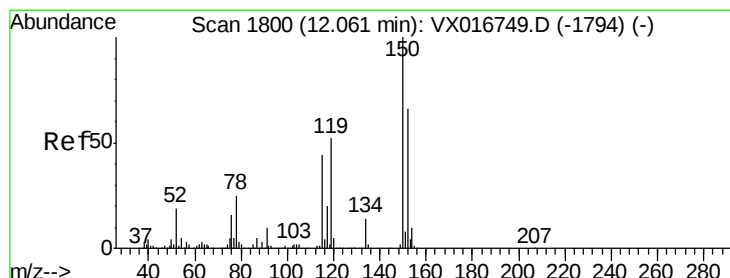
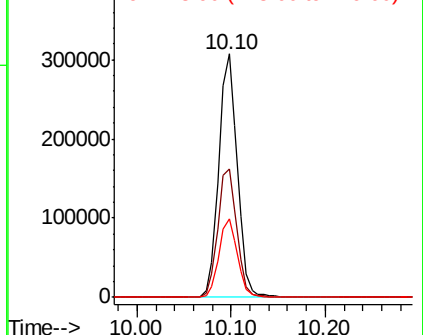
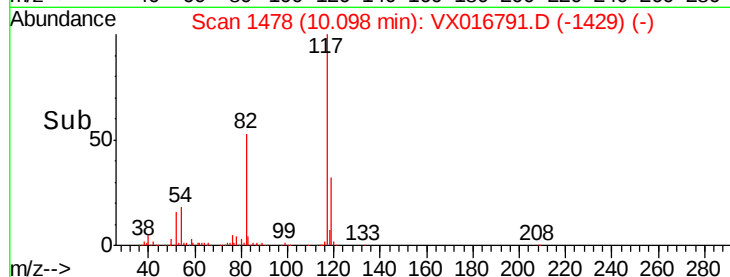


Abundance

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: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX016791.D

Acq: 16 Jun 2020 19:39

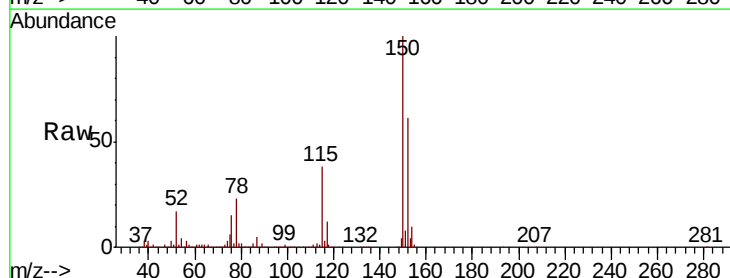
Tgt Ion:152 Resp: 216390

Ion Ratio Lower Upper

152 100

115 59.7 40.3 120.8

150 160.4 0.0 337.4

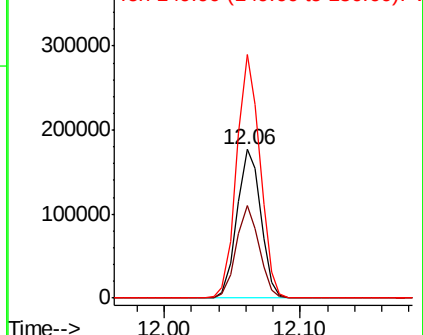
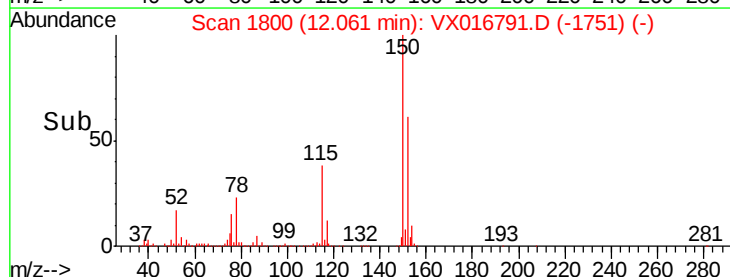


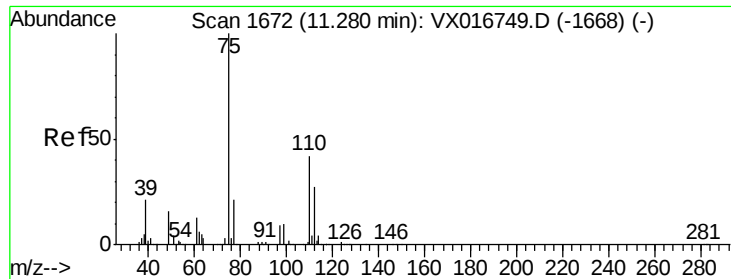
Abundance

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: 22.007 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016791.D

Acq: 16 Jun 2020 19:39

Instrument :

MSVOA_X

ClientSampleId :

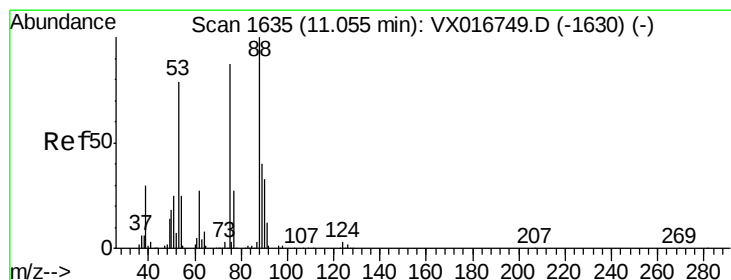
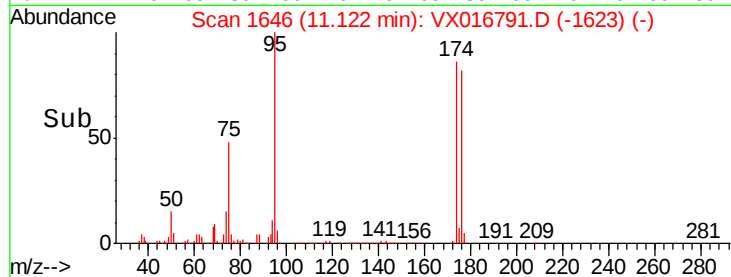
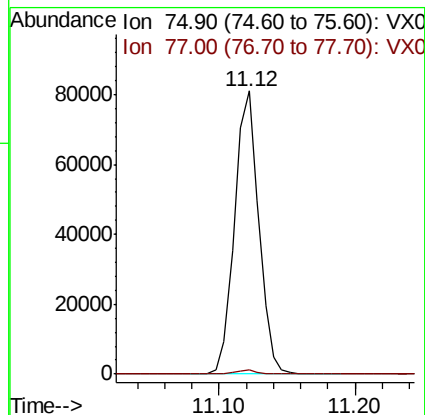
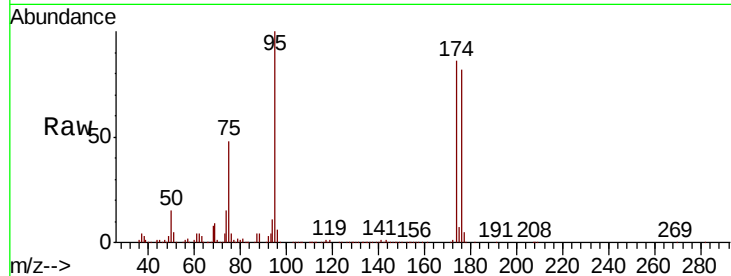
S49-0563

Tot Ion: 75 Resp: 100145

Ion Ratio Lower Upper

75 100

77 1.4 20.3 60.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 55.402 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX016791.D

Acq: 16 Jun 2020 19:39

Tgt Ion: 75 Resp: 100145

Ion Ratio Lower Upper

75 100

53 0.0 71.4 107.0#

89 0.1 39.1 58.7#

