

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX070120\
 Data File : VX017135.D
 Acq On : 02 Jul 2020 06:02
 Operator : JC/SP
 Sample : L3159-22 100X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40BR-20200629

Quant Time: Jul 02 07:01:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	209476	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	354346	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	362231	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	198115	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	140850	54.54	ug/l	0.00
Spiked Amount			Recovery	=	109.08%	
35) Dibromofluoromethane	5.47	113	120208	53.63	ug/l	0.00
Spiked Amount			Recovery	=	107.26%	
50) Toluene-d8	8.70	98	430288	51.91	ug/l	0.00
Spiked Amount			Recovery	=	103.82%	
62) 4-Bromofluorobenzene	11.12	95	178684	55.15	ug/l	0.00
Spiked Amount			Recovery	=	110.30%	

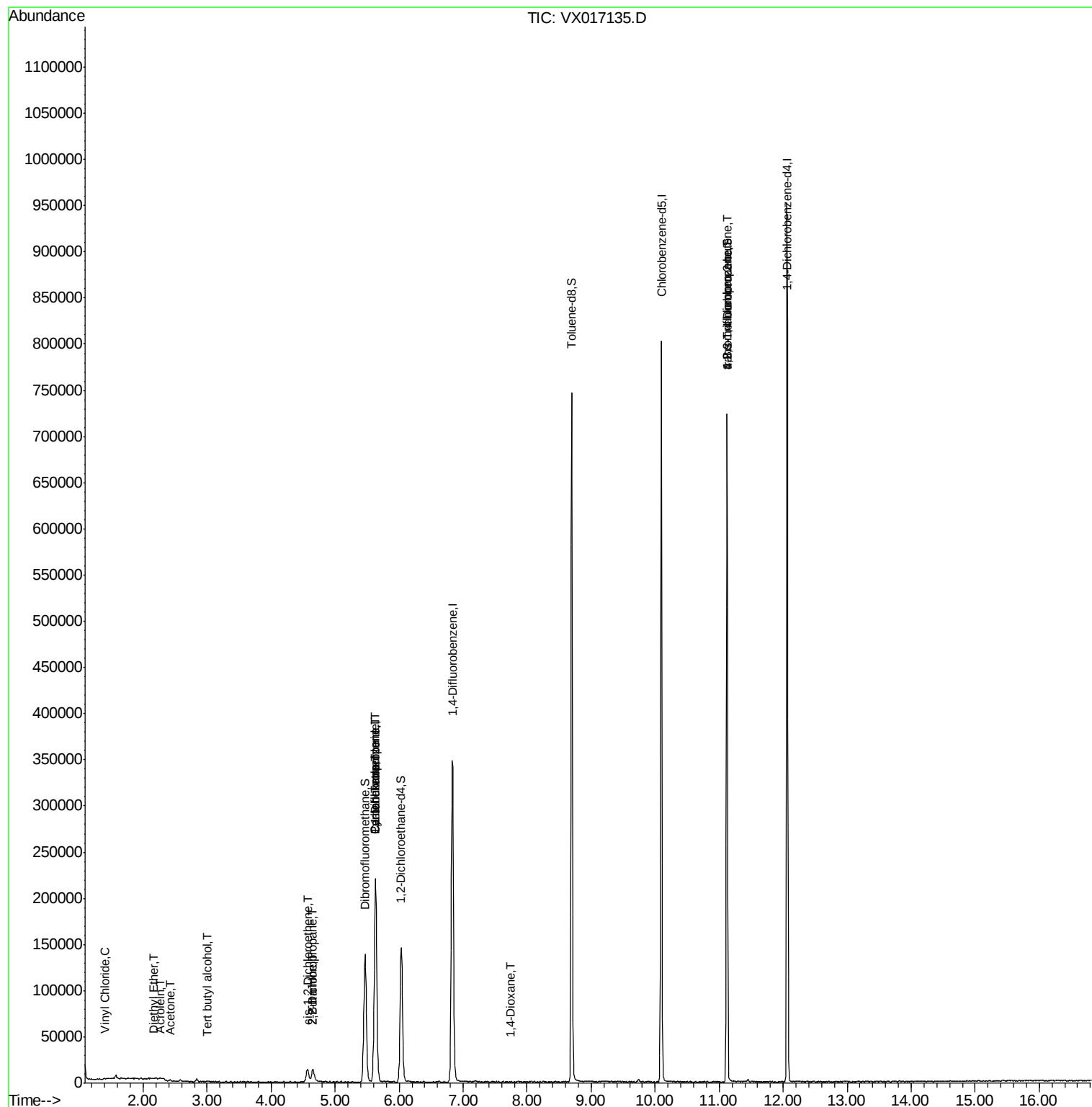
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	668	0.294	ug/l #	63
8) Diethyl Ether	2.17	74	231	0.568	ug/l #	1
11) Tert butyl alcohol	3.01	59	855	1.736	ug/l #	73
13) Acrolein	2.26	56	121	0.411	ug/l #	6
16) Acetone	2.42	43	1346	1.393	ug/l #	72
20) Methylene Chloride	2.84	84	1366	Below Cal		94
25) 2-Butanone	4.65	43	995	0.618	ug/l #	49
26) 2,2-Dichloropropane	4.65	77	1196	0.334	ug/l #	53
27) cis-1,2-Dichloroethene	4.57	96	9142	3.508	ug/l #	87
31) Cyclohexane	5.63	56	4294	1.232	ug/l #	11
36) 1,1-Dichloropropene	5.63	75	16071	4.799	ug/l #	51
38) Carbon Tetrachloride	5.63	117	20586	5.581	ug/l #	19
44) Trichloroethene	7.20	130	521	Below Cal		81
49) 1,4-Dioxane	7.74	88	40	0.658	ug/l #	24
76) 1,2,3-Trichloropropane	11.12	75	89435	22.957	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	89435	59.450	ug/l #	13
88) 1,4-Dichlorobenzene	12.07	146	529	Below Cal	#	1

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

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ClientSampled :
40BR-20200629

Quant Time: Jul 02 07:01:59 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.01 min

Lab File: VX017135.D

Acq: 02 Jul 2020 06:02

Instrument :

MSVOA_X

ClientSampleId :

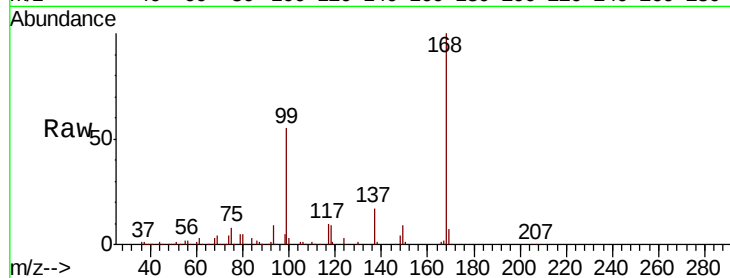
40BR-20200629

Tot Ion:168 Resp: 209476

Ion Ratio Lower Upper

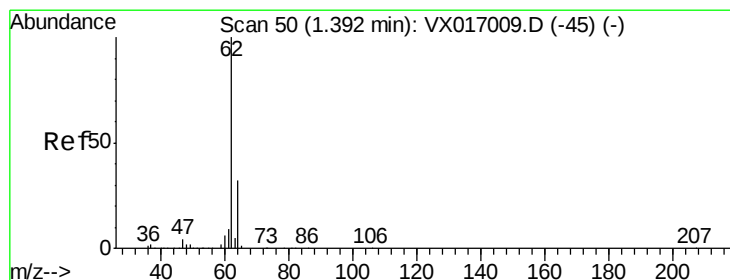
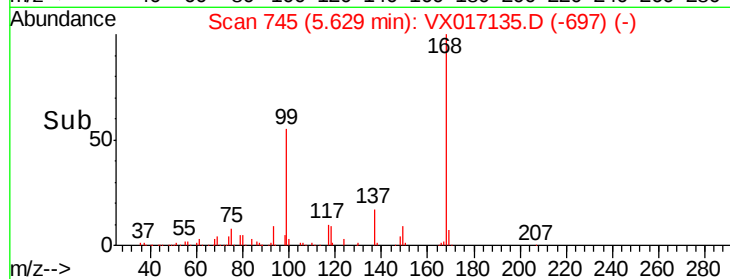
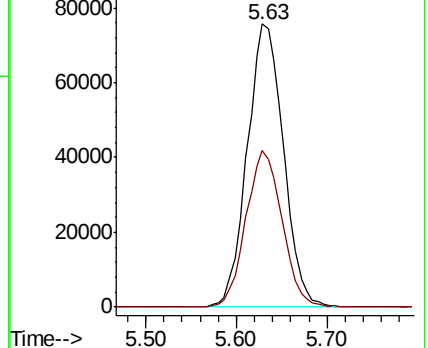
168 100

99 55.3 42.6 64.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#4

Vinyl Chloride

Concen: 0.294 ug/l

RT: 1.39 min Scan# 50

Delta R.T. -0.00 min

Lab File: VX017135.D

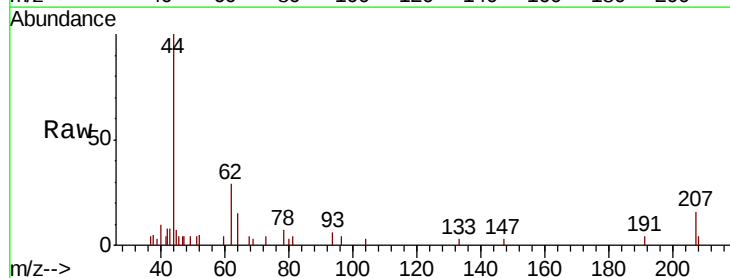
Acq: 02 Jul 2020 06:02

Tgt Ion: 62 Resp: 668

Ion Ratio Lower Upper

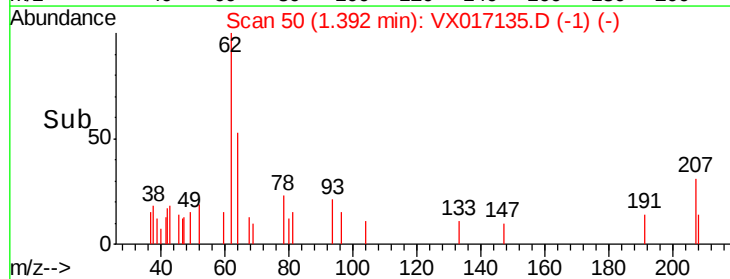
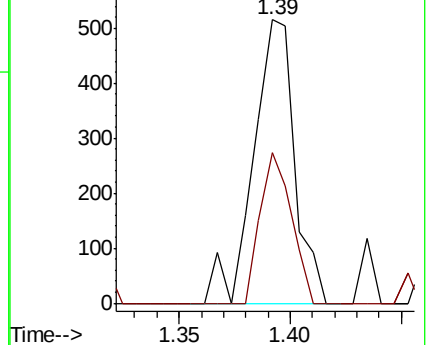
62 100

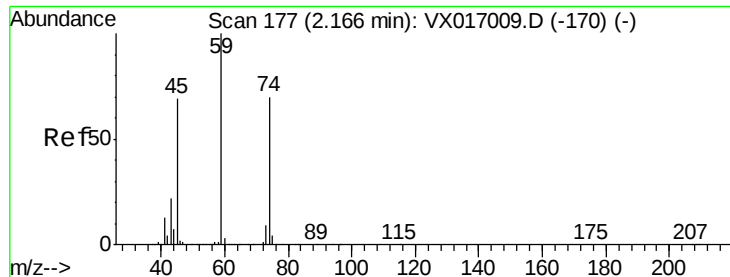
64 53.0 25.9 38.9#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0





#8

Diethyl Ether

Concen: 0.568 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017135.D

Acq: 02 Jul 2020 06:02

Instrument :

MSVOA_X

ClientSampleId :

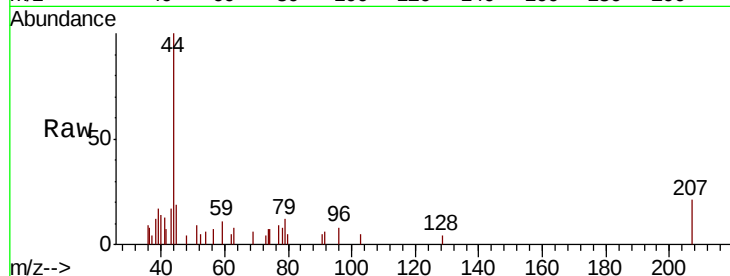
40BR-20200629

Tot Ion: 74 Resp: 231

Ion Ratio Lower Upper

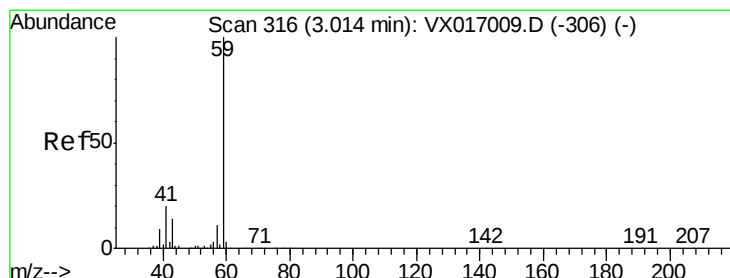
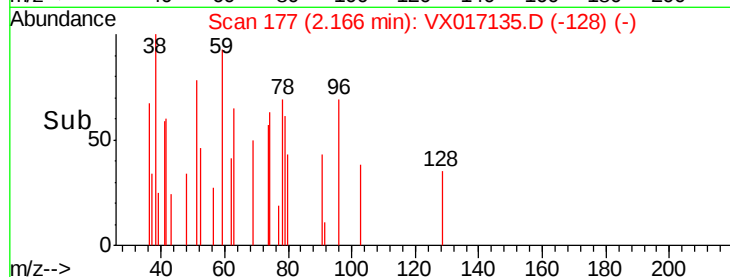
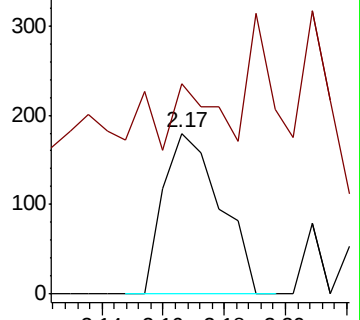
74 100

45 0.0 49.8 149.3#



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



#11

Tert butyl alcohol

Concen: 1.736 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.00 min

Lab File: VX017135.D

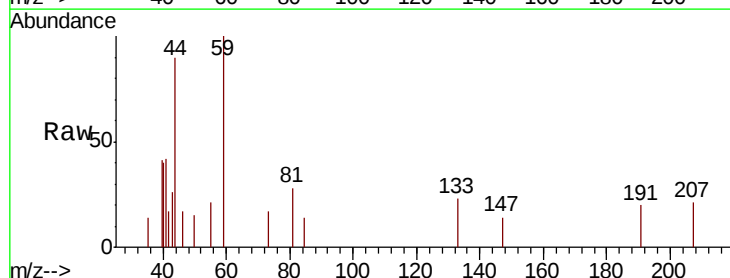
Acq: 02 Jul 2020 06:02

Tgt Ion: 59 Resp: 855

Ion Ratio Lower Upper

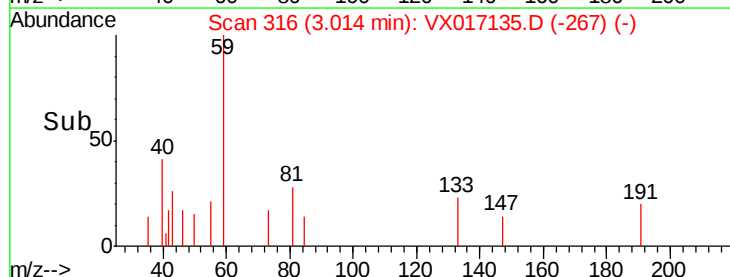
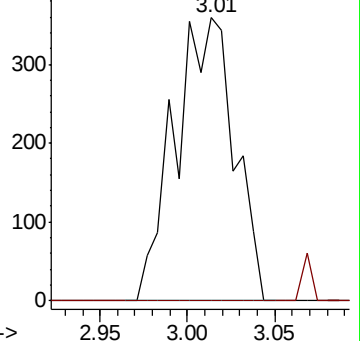
59 100

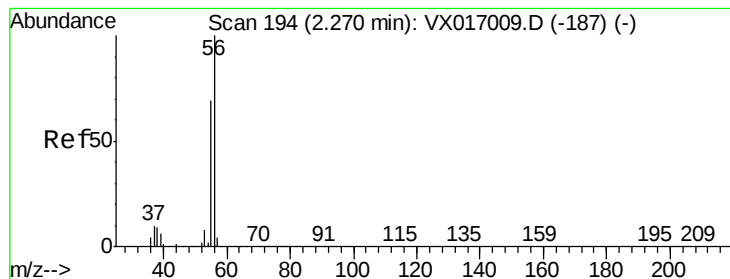
57 0.0 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.411 ug/l

RT: 2.26 min Scan# 192

Delta R.T. -0.01 min

Lab File: VX017135.D

Acq: 02 Jul 2020 06:02

Instrument :

MSVOA_X

ClientSampleId :

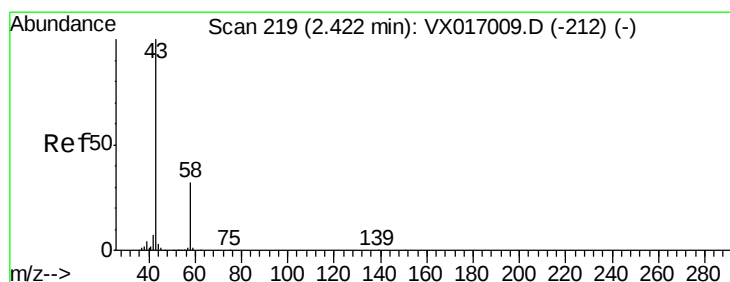
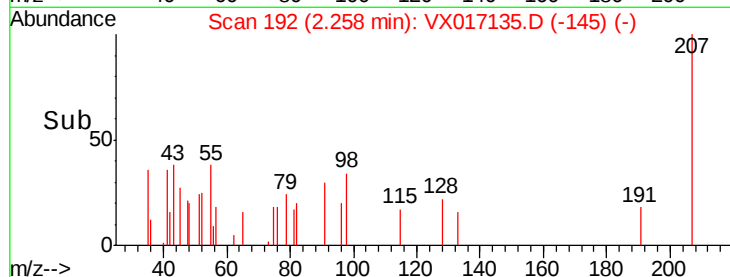
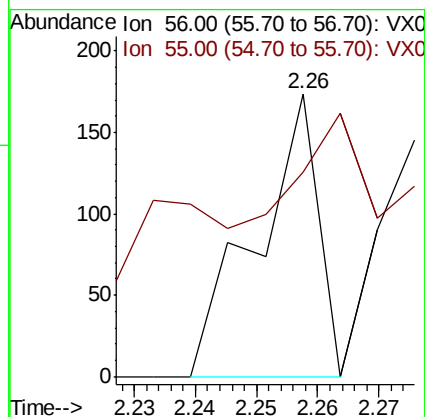
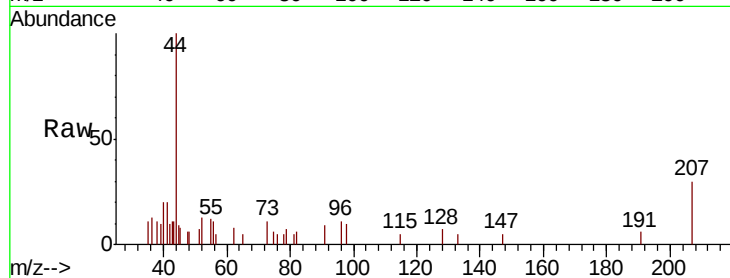
40BR-20200629

Tot Ion: 56 Resp: 121

Ion Ratio Lower Upper

56 100

55 146.3 55.7 83.5#



#16

Acetone

Concen: 1.393 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017135.D

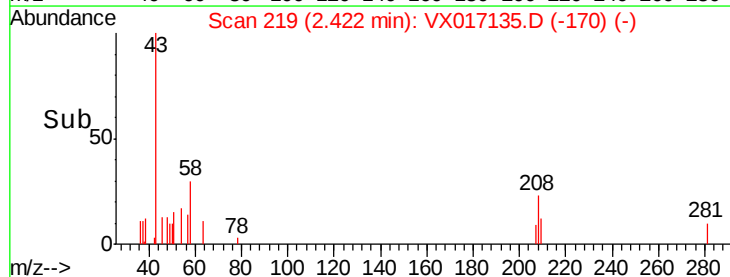
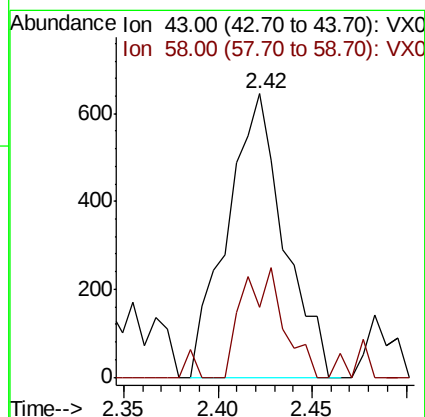
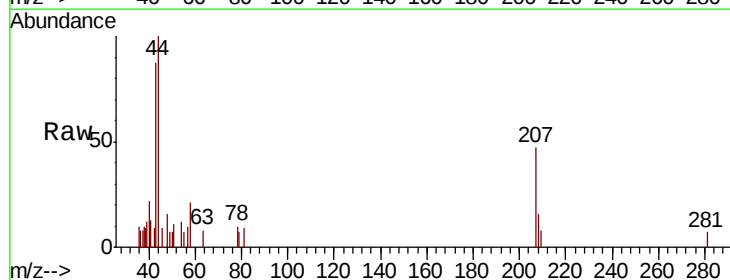
Acq: 02 Jul 2020 06:02

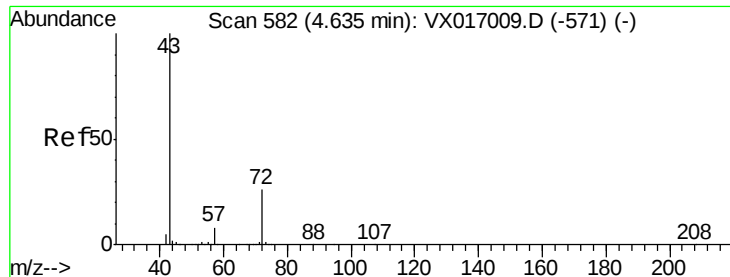
Tgt Ion: 43 Resp: 1346

Ion Ratio Lower Upper

43 100

58 16.3 25.7 38.5#





#25

2-Butanone

Concen: 0.618 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.01 min

Lab File: VX017135.D

Acq: 02 Jul 2020 06:02

Instrument :

MSVOA_X

ClientSampleId :

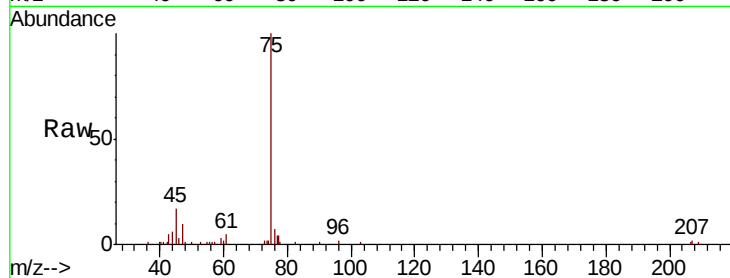
40BR-20200629

Tot Ion: 43 Resp: 995

Ion Ratio Lower Upper

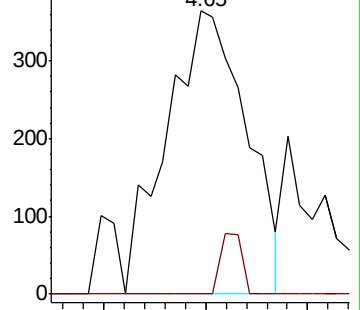
43 100

72 0.0 20.8 31.2#

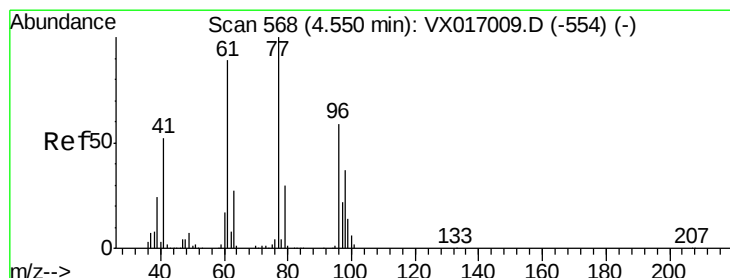
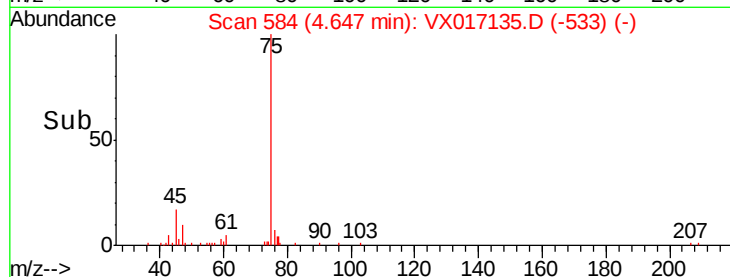


Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



Time-->



#26

2,2-Dichloropropane

Concen: 0.334 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.10 min

Lab File: VX017135.D

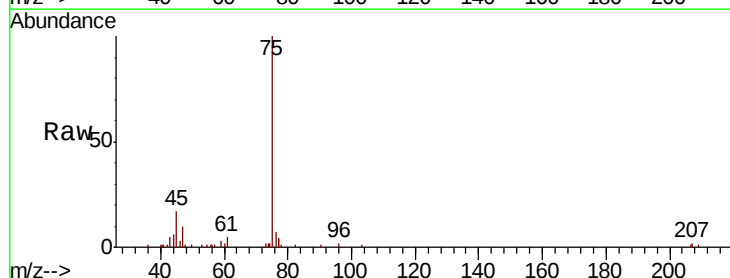
Acq: 02 Jul 2020 06:02

Tgt Ion: 77 Resp: 1196

Ion Ratio Lower Upper

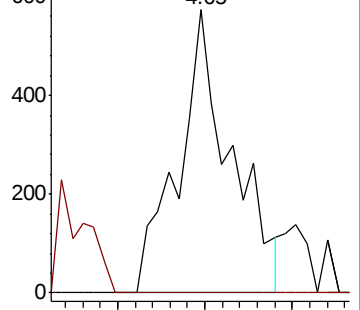
77 100

97 0.0 11.4 34.2#

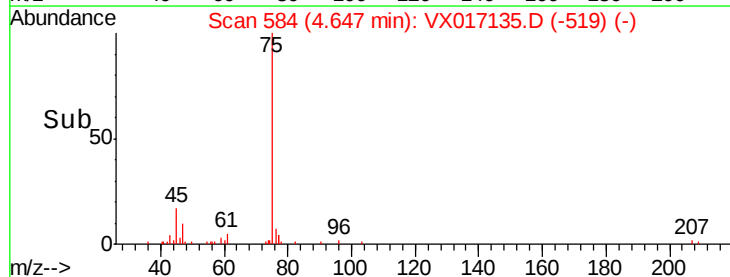


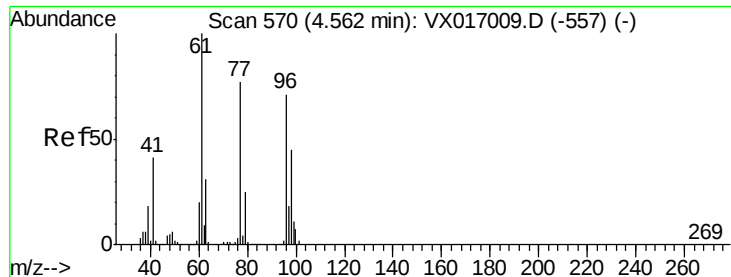
Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



Time-->



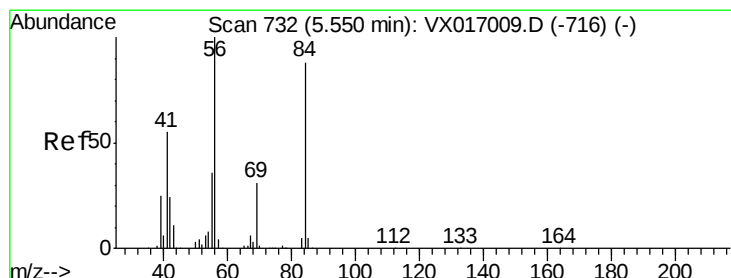
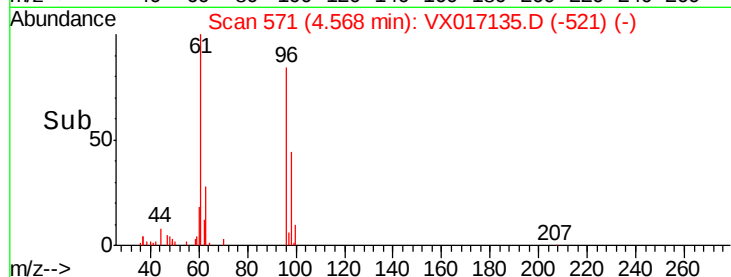
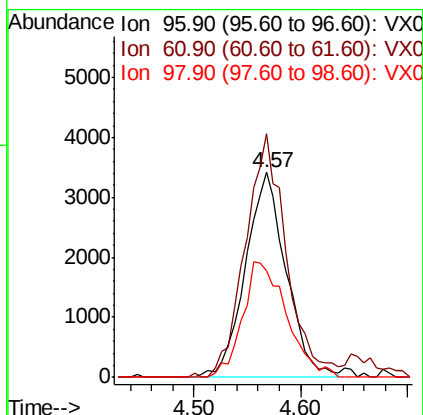
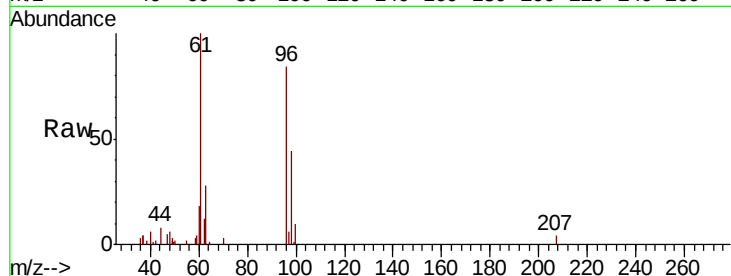


#27

cis-1,2-Dichloroethene
Concen: 3.508 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX017135.D
Acq: 02 Jul 2020 06:02

Instrument :
MSVOA_X
ClientSampleId :
40BR-20200629

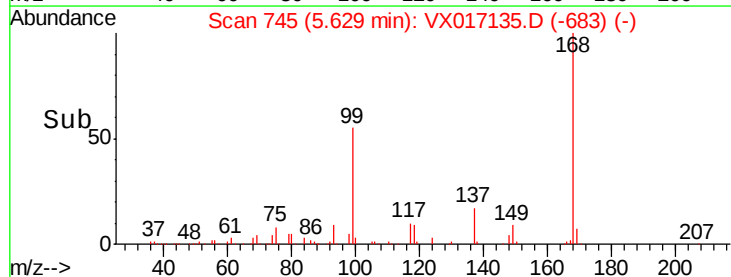
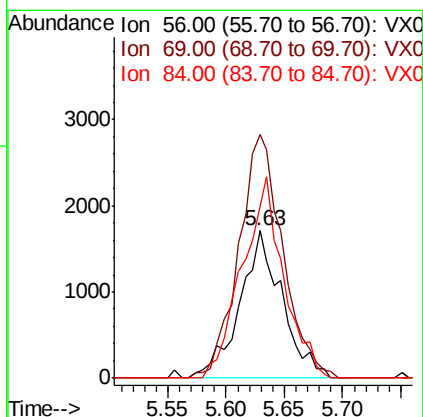
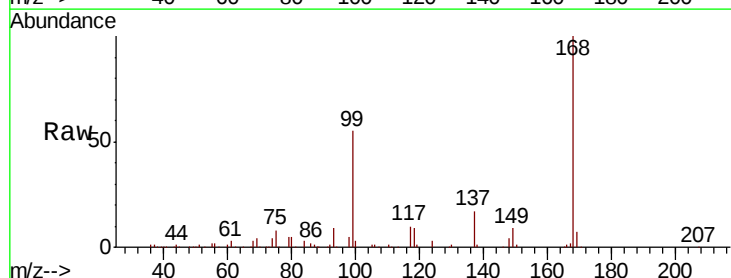
Tot Ion	96	Resp	9142
Ion	Ratio	Lower	Upper
96	100		
61	119.6	0.0	282.8
98	61.4	0.0	127.6

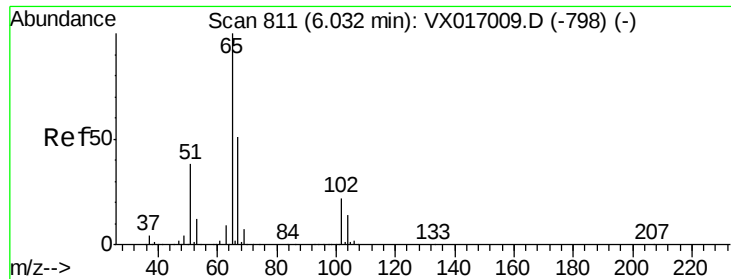


#31

Cyclohexane
Concen: 1.232 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX017135.D
Acq: 02 Jul 2020 06:02

Tgt Ion	56	Resp	4294
Ion	Ratio	Lower	Upper
56	100		
69	165.5	25.0	37.4#
84	116.9	69.1	103.7#

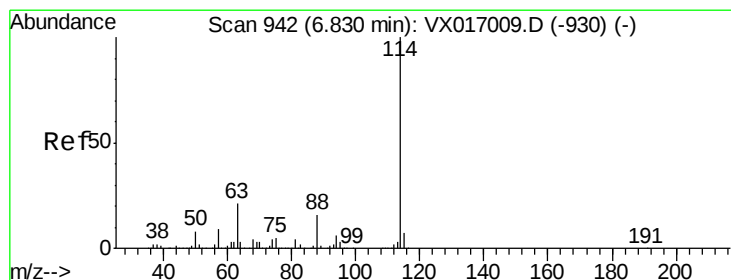
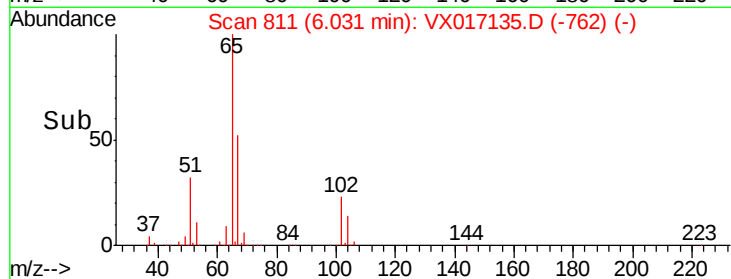
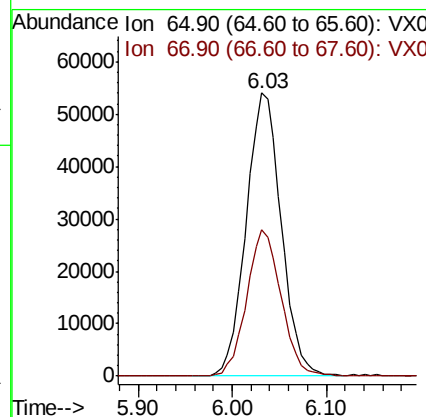
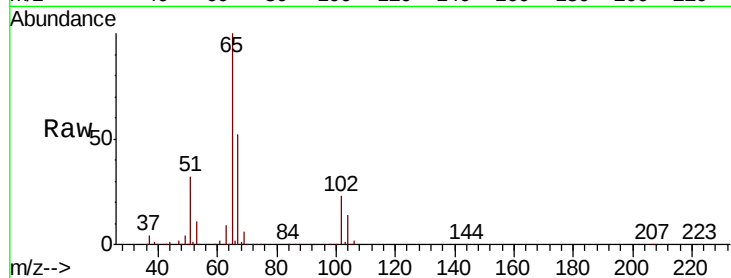




#33
 1,2-Dichloroethane-d4
 Concen: 54.542 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. -0.00 min
 Lab File: VX017135.D
 Acq: 02 Jul 2020 06:02

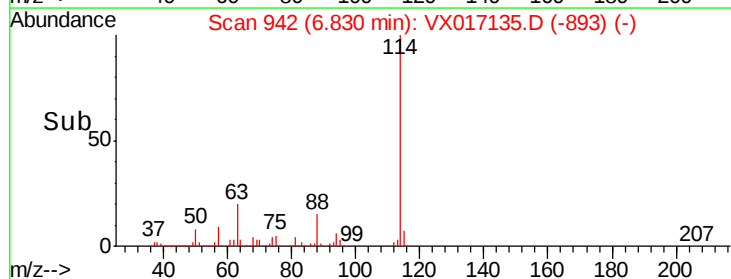
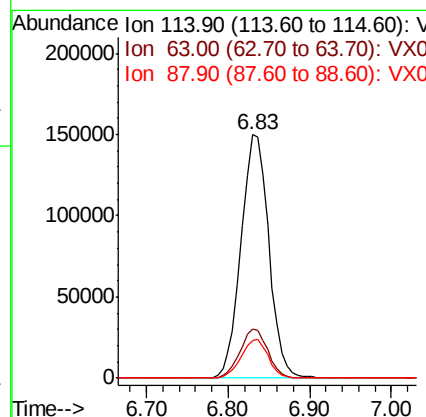
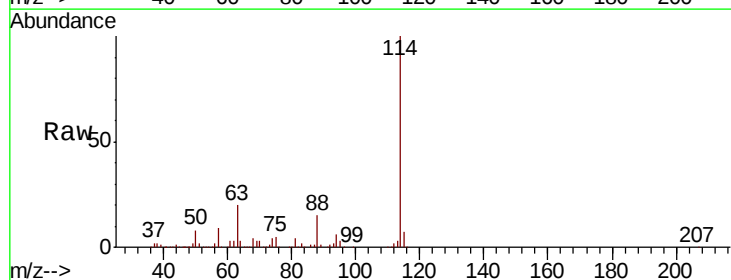
Instrument :
 MSVOA_X
 ClientSampleId :
 40BR-20200629

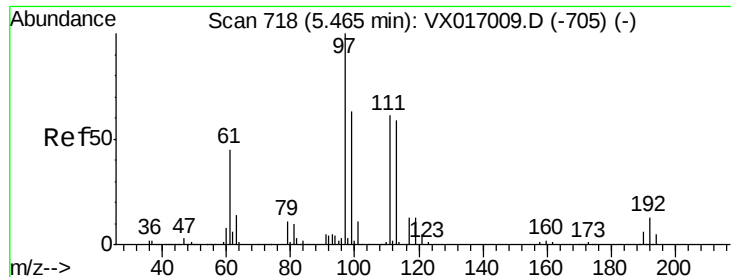
Tot Ion: 65 Resp: 140850
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. -0.00 min
 Lab File: VX017135.D
 Acq: 02 Jul 2020 06:02

Tgt Ion: 114 Resp: 354346
 Ion Ratio Lower Upper
 114 100
 63 20.1 0.0 41.4
 88 15.3 0.0 32.4





#35

Dibromofluoromethane

Concen: 53.629 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX017135.D

Acq: 02 Jul 2020 06:02

Instrument :

MSVOA_X

ClientSampleId :

40BR-20200629

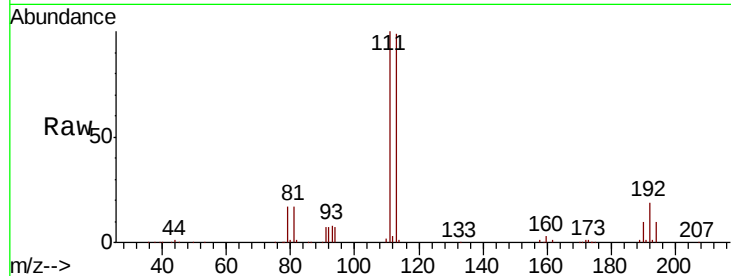
Tot Ion:113 Resp: 120208

Ion Ratio Lower Upper

113 100

111 101.7 81.9 122.9

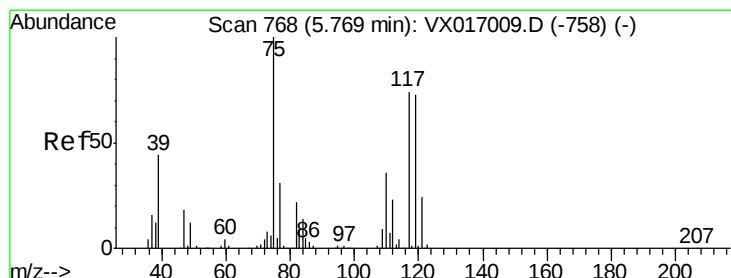
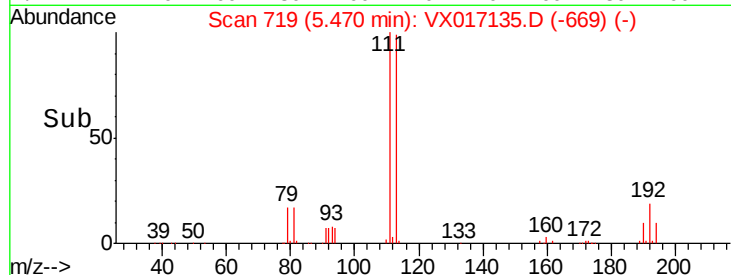
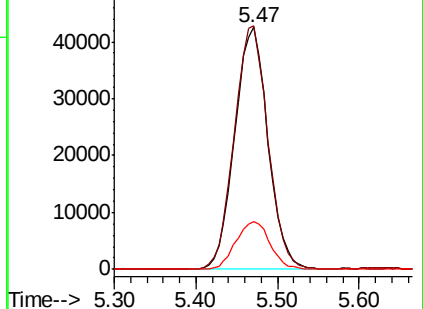
192 20.2 16.7 25.1



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: 4.799 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017135.D

Acq: 02 Jul 2020 06:02

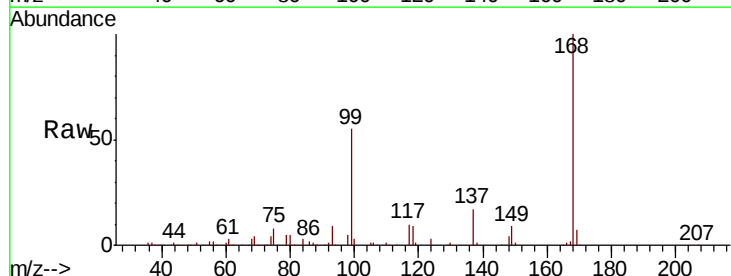
Tgt Ion: 75 Resp: 16071

Ion Ratio Lower Upper

75 100

110 10.2 18.1 54.1#

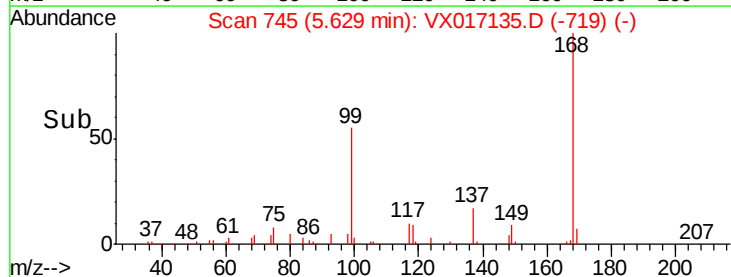
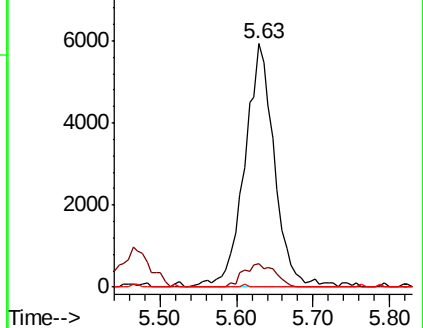
77 0.2 24.6 37.0#

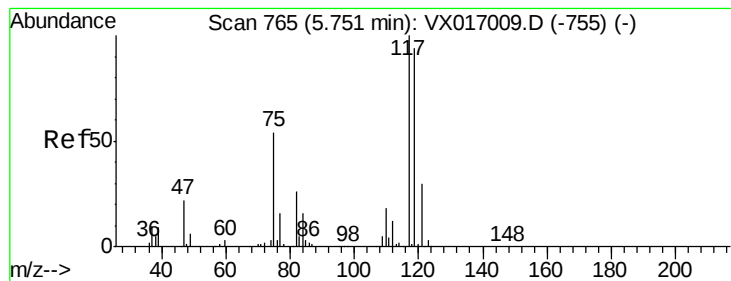


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.581 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX017135.D

Acq: 02 Jul 2020 06:02

Instrument :

MSVOA_X

ClientSampleId :

40BR-20200629

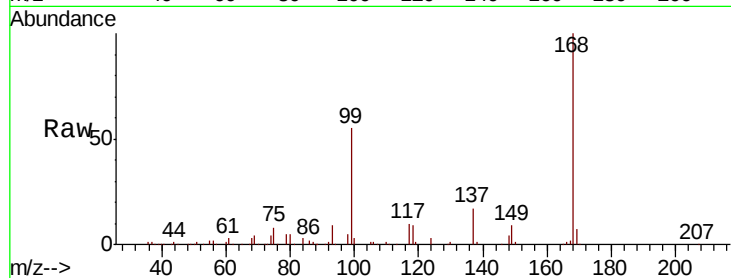
Tot Ion:117 Resp: 20586

Ion Ratio Lower Upper

117 100

119 8.0 75.4 113.0#

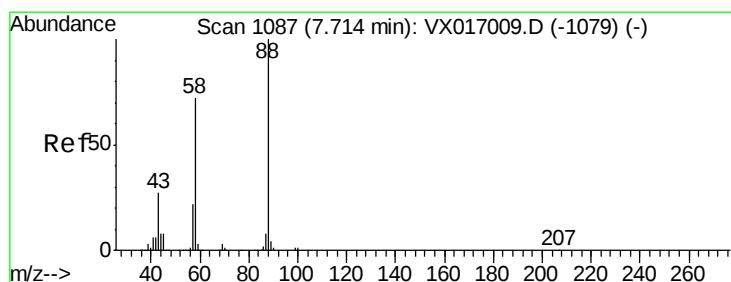
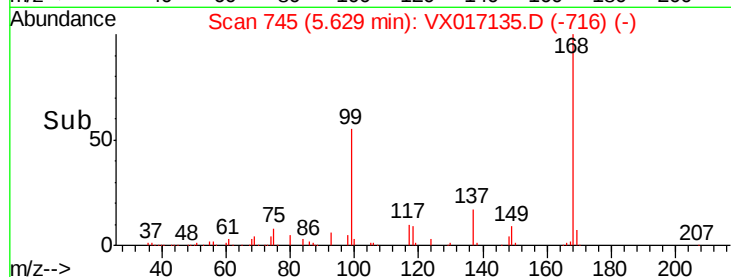
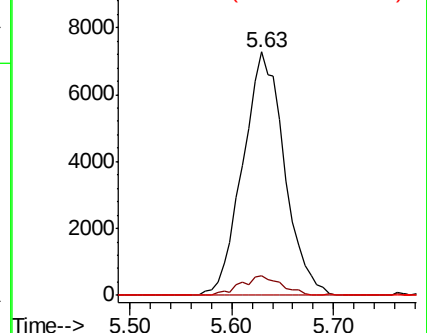
121 0.0 23.8 35.6#



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



#49

1,4-Dioxane

Concen: 0.658 ug/l

RT: 7.74 min Scan# 1092

Delta R.T. 0.03 min

Lab File: VX017135.D

Acq: 02 Jul 2020 06:02

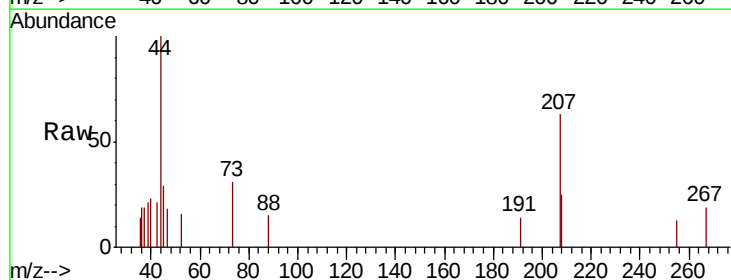
Tgt Ion: 88 Resp: 40

Ion Ratio Lower Upper

88 100

43 0.0 25.8 38.8#

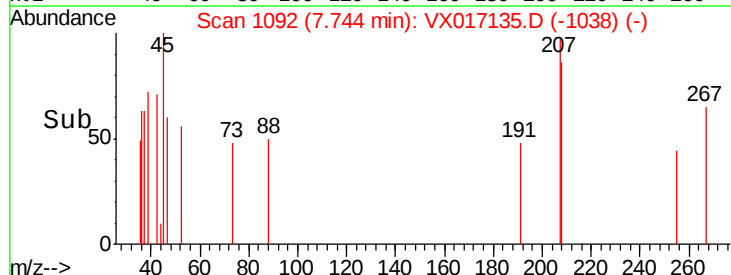
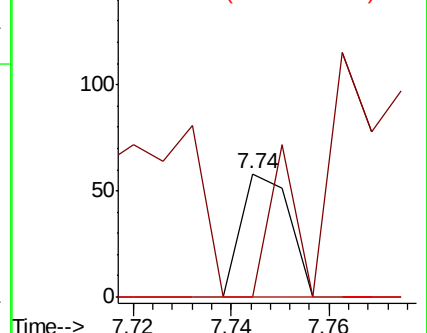
58 0.0 54.8 82.2#

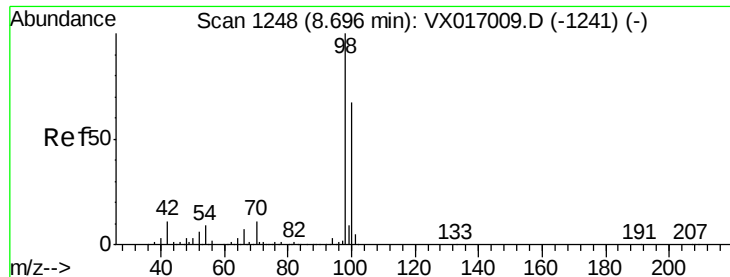


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.914 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017135.D

Acq: 02 Jul 2020 06:02

Instrument :

MSVOA_X

ClientSampleId :

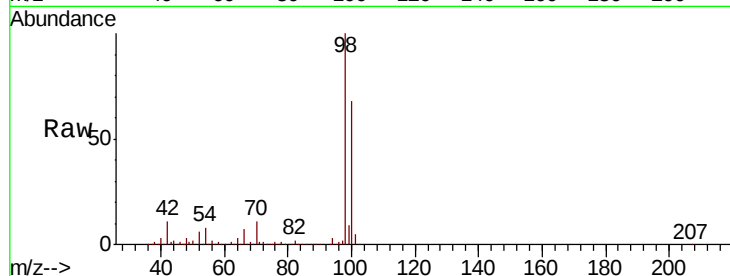
40BR-20200629

Tot Ion: 98 Resp: 430288

Ion Ratio Lower Upper

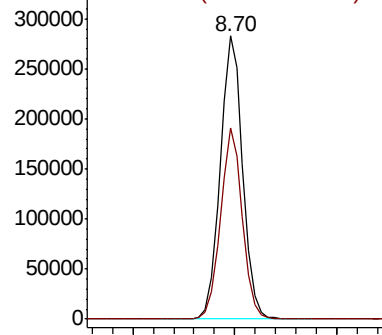
98 100

100 65.8 53.8 80.6

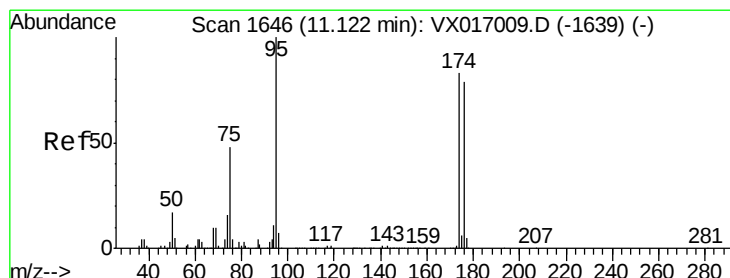
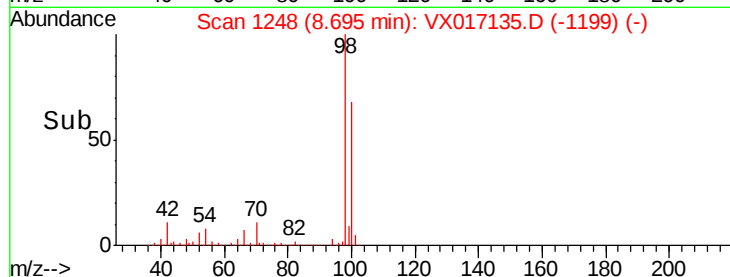


Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V



Time-->



#62

4-Bromofluorobenzene

Concen: 55.148 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017135.D

Acq: 02 Jul 2020 06:02

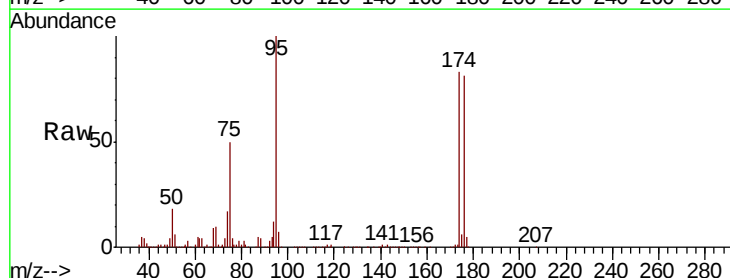
Tgt Ion: 95 Resp: 178684

Ion Ratio Lower Upper

95 100

174 84.7 0.0 164.0

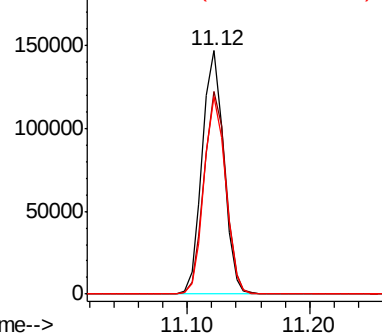
176 81.4 0.0 157.6



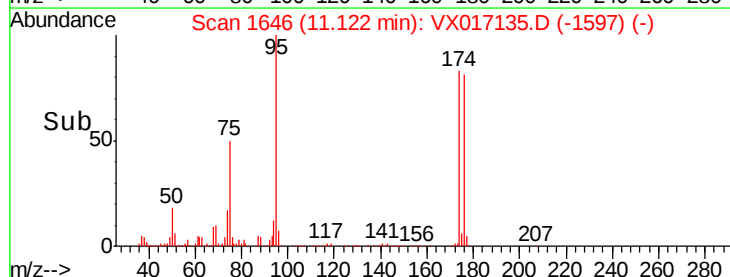
Abundance Ion 94.90 (94.60 to 95.60): VX0

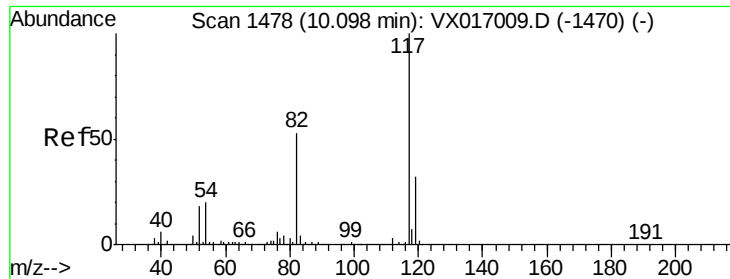
Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V



Time-->

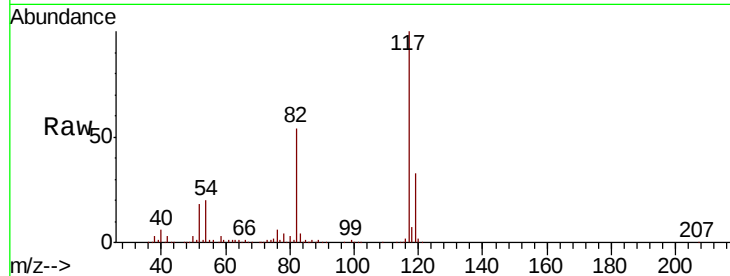




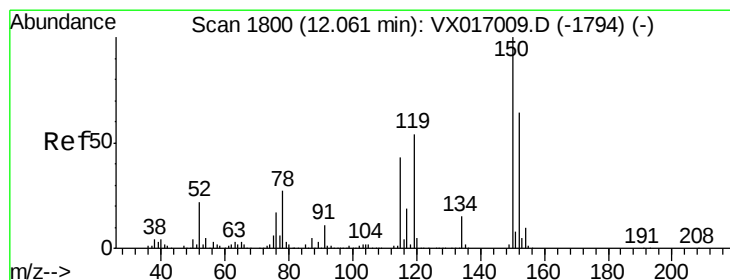
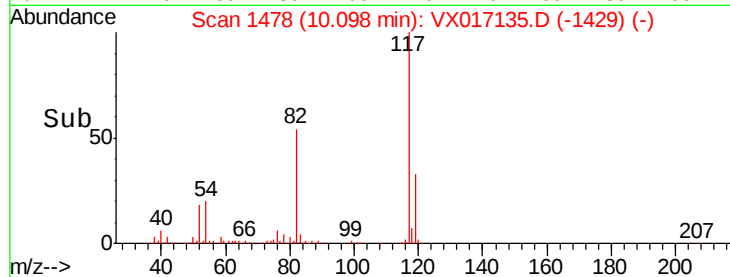
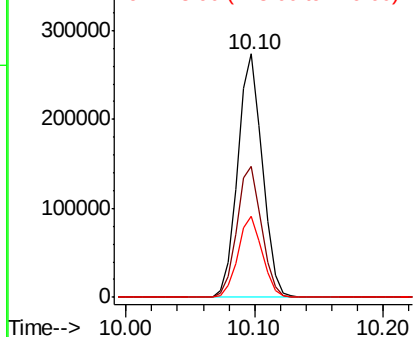
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017135.D
Acq: 02 Jul 2020 06:02

Instrument :
MSVOA_X
ClientSampleId :
40BR-20200629

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.6	42.6	63.8
119	33.3	25.4	38.2

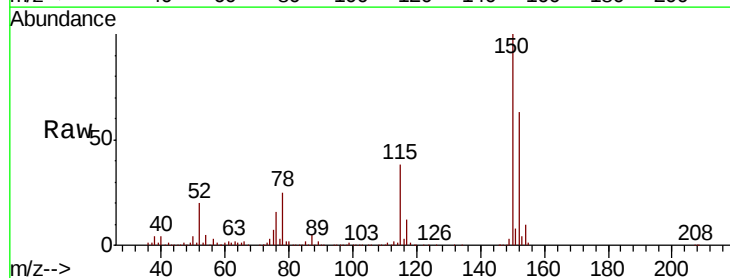


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

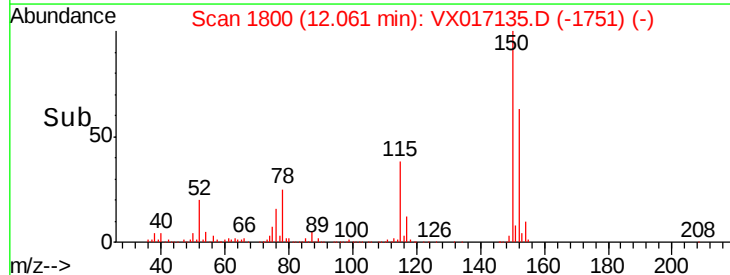
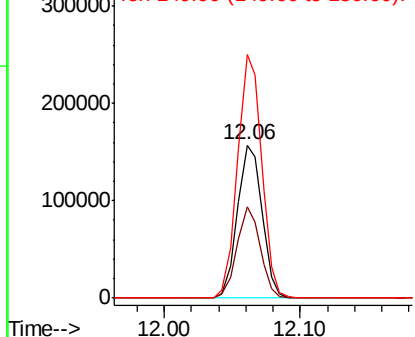


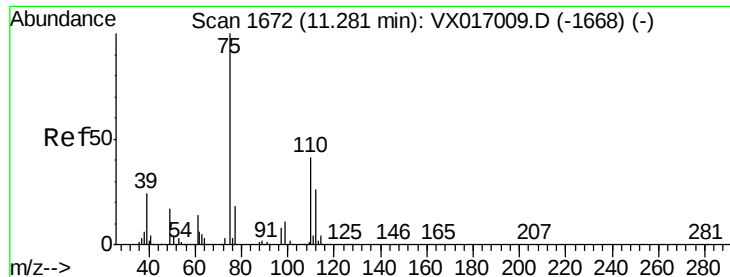
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017135.D
Acq: 02 Jul 2020 06:02

Tgt Ion	Ratio	Lower	Upper
152	100		
115	56.6	40.9	122.7
150	156.0	0.0	351.6



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: 22.957 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017135.D

Acq: 02 Jul 2020 06:02

Instrument :

MSVOA_X

ClientSampleId :

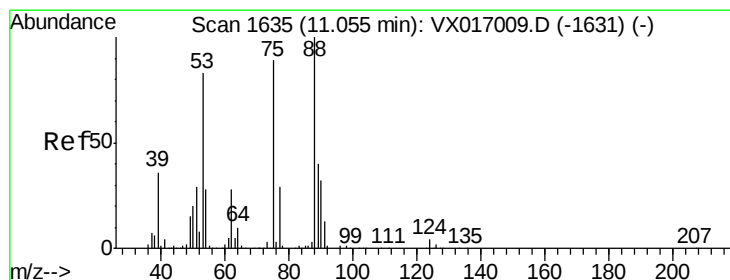
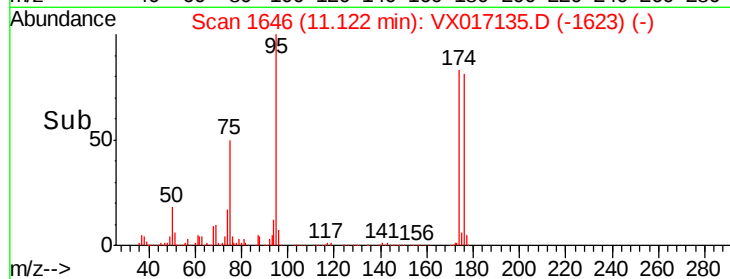
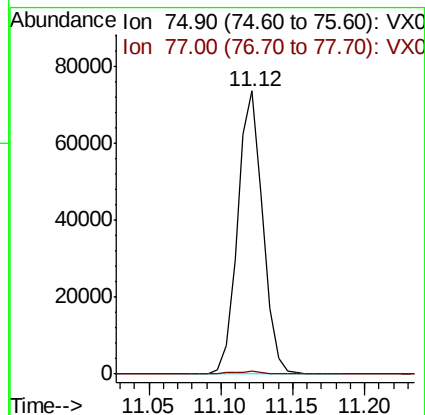
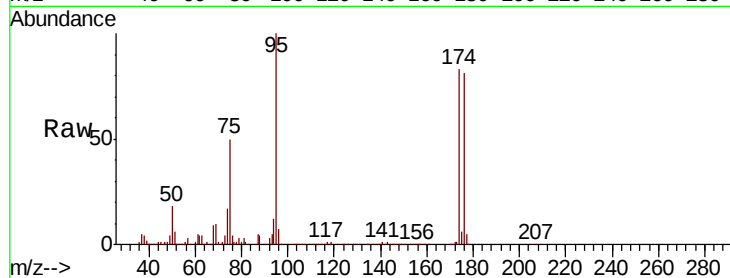
40BR-20200629

Tot Ion: 75 Resp: 89435

Ion Ratio Lower Upper

75 100

77 1.3 20.2 60.6#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.450 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX017135.D

Acq: 02 Jul 2020 06:02

Tgt Ion: 75 Resp: 89435

Ion Ratio Lower Upper

75 100

53 0.2 72.4 108.6#

89 0.0 37.0 55.4#

