

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX060420\
 Data File : VX016593.D
 Acq On : 04 Jun 2020 19:46
 Operator : JC/SP
 Sample : L2894-10
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :

Quant Time: Jun 05 04:24:14 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	5.64	168	233999	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	377763	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	377293	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	195841	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	142231	48.94	ug/l	0.00
Spiked Amount			Recovery	=	97.88%	
35) Dibromofluoromethane	5.47	113	114152	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
50) Toluene-d8	8.70	98	464565	51.31	ug/l	0.00
Spiked Amount			Recovery	=	102.62%	
62) 4-Bromofluorobenzene	11.12	95	186262	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	

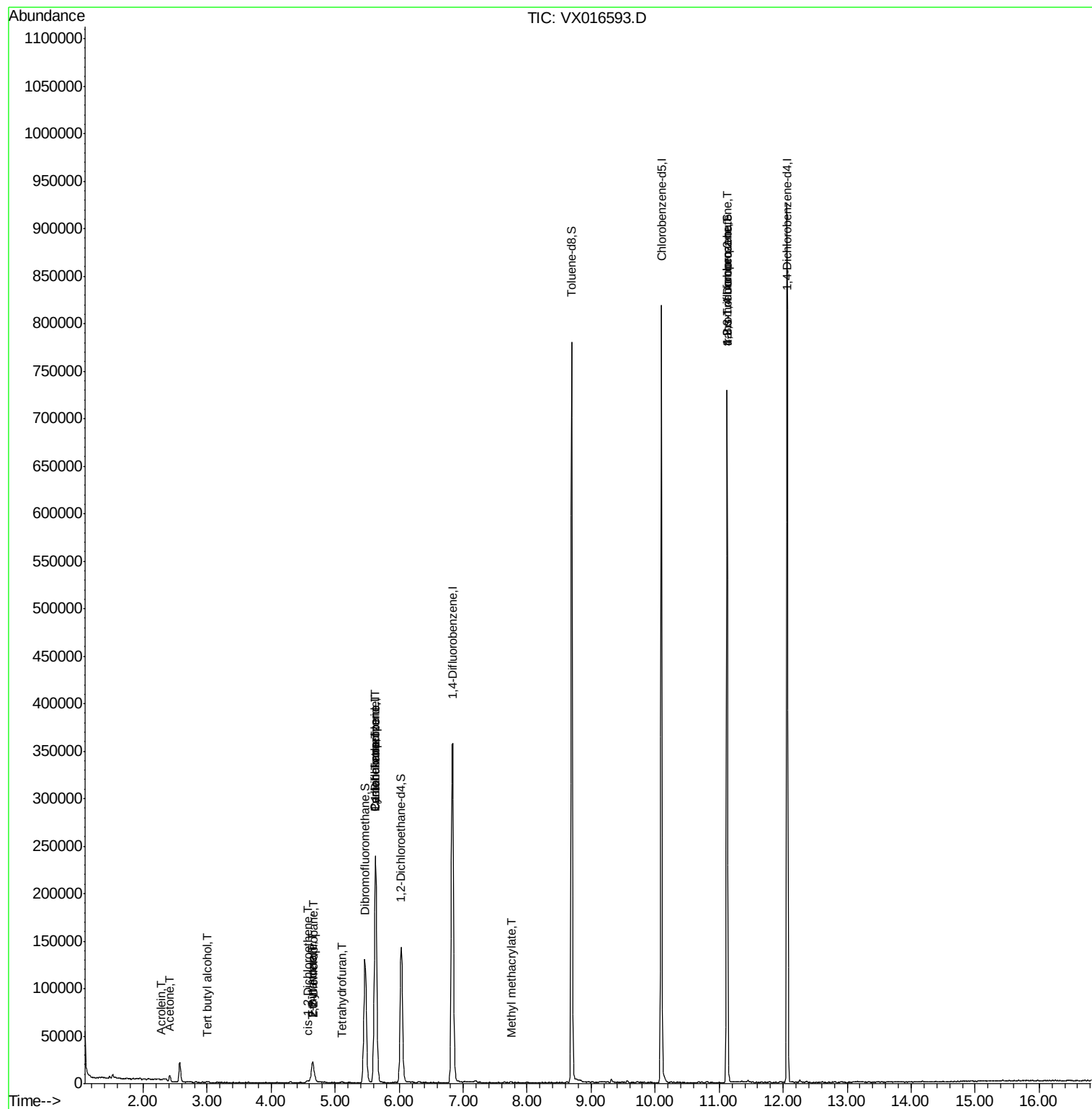
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.01	59	1246	1.672	ug/l #	76
13) Acrolein	2.27	56	215	0.678	ug/l #	69
16) Acetone	2.42	43	6640	5.215	ug/l	99
25) 2-Butanone	4.64	43	2519	1.168	ug/l	97
26) 2,2-Dichloropropane	4.65	77	1939	0.528	ug/l #	53
27) cis-1,2-Dichloroethene	4.56	96	1708	0.593	ug/l	77
29) Tetrahydrofuran	5.10	42	285	0.204	ug/l #	32
31) Cyclohexane	5.63	56	4242	1.050	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	16733	4.678	ug/l #	50
37) Ethyl Acetate	4.64	43	2519	0.587	ug/l #	48
38) Carbon Tetrachloride	5.63	117	22039	5.863	ug/l #	16
48) Methyl methacrylate	7.75	41	678	0.211	ug/l #	68
76) 1,2,3-Trichloropropane	11.12	75	92867	21.573	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	92867	53.067	ug/l #	14

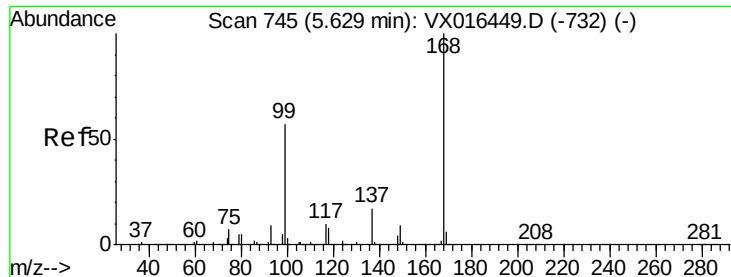
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed May 27 16:31:05 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.01 min

Lab File: VX016593.D

Acq: 04 Jun 2020 19:46

Instrument :

MSVOA_X

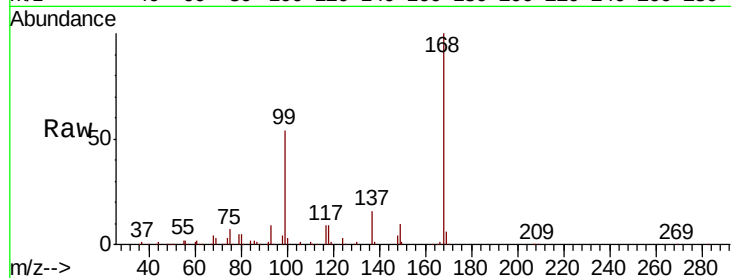
ClientSampleId :

Tot Ion:168 Resp: 233999

Ion Ratio Lower Upper

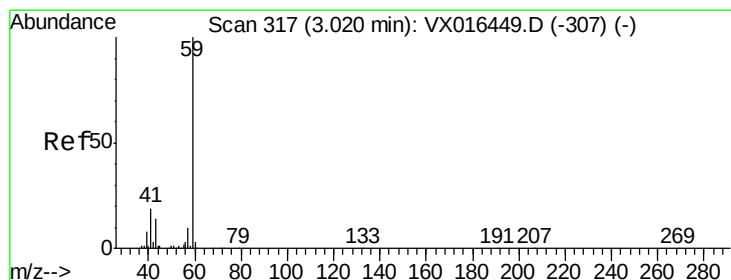
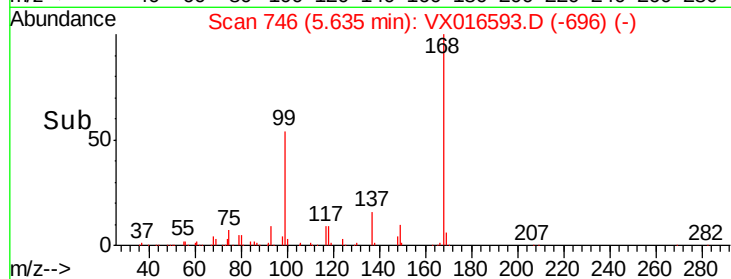
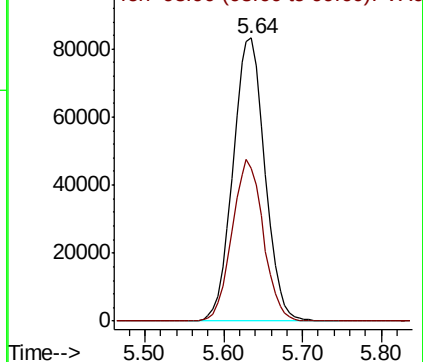
168 100

99 53.9 45.2 67.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 1.672 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX016593.D

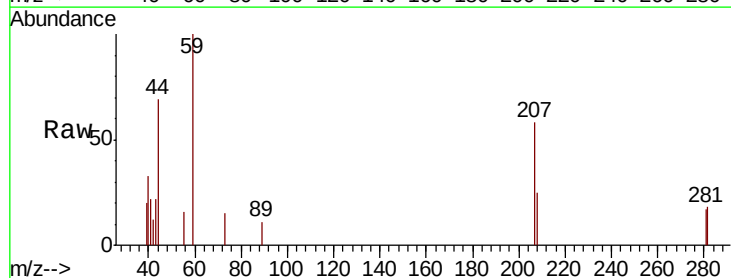
Acq: 04 Jun 2020 19:46

Tgt Ion: 59 Resp: 1246

Ion Ratio Lower Upper

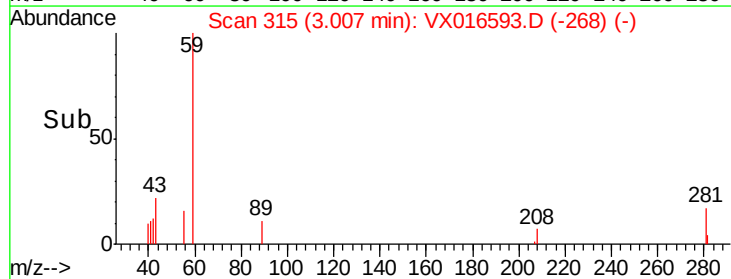
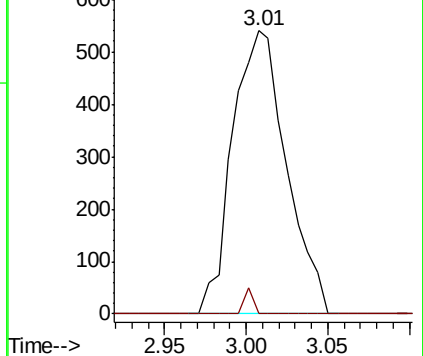
59 100

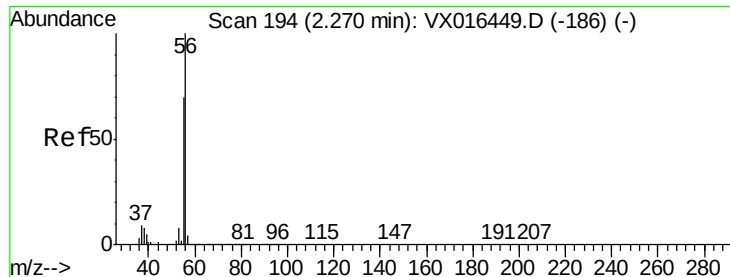
57 1.5 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.678 ug/l

RT: 2.27 min Scan# 194

Delta R.T. -0.00 min

Lab File: VX016593.D

Acq: 04 Jun 2020 19:46

Instrument :

MSVOA_X

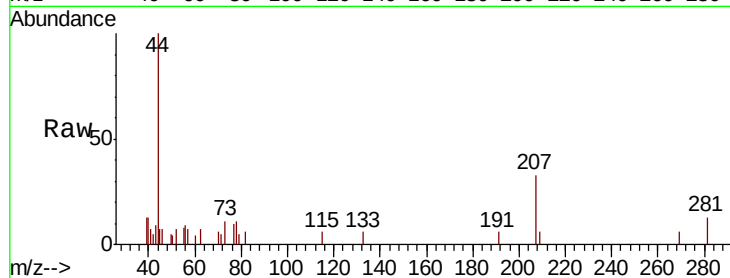
ClientSampleId :

Tot Ion: 56 Resp: 215

Ion Ratio Lower Upper

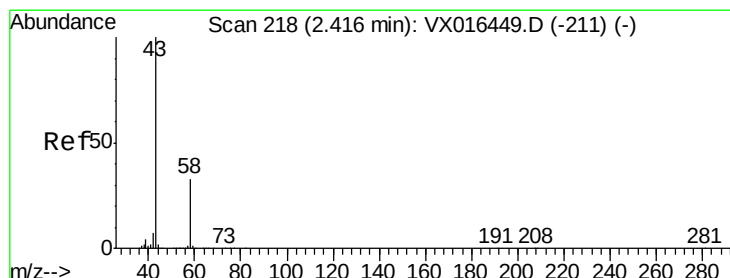
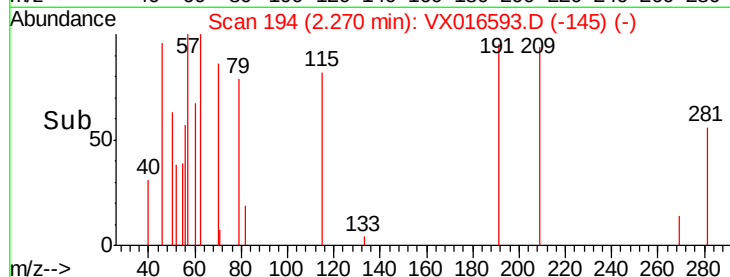
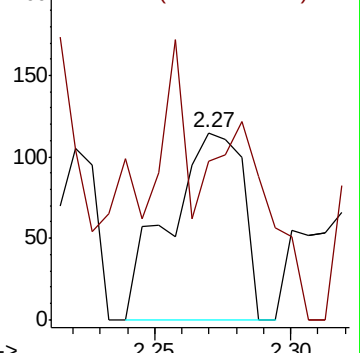
56 100

55 99.1 58.3 87.5#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 5.215 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.00 min

Lab File: VX016593.D

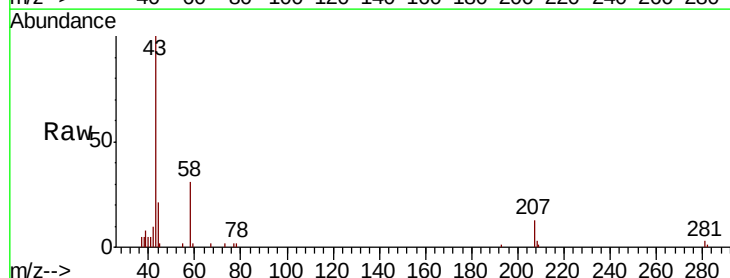
Acq: 04 Jun 2020 19:46

Tgt Ion: 43 Resp: 6640

Ion Ratio Lower Upper

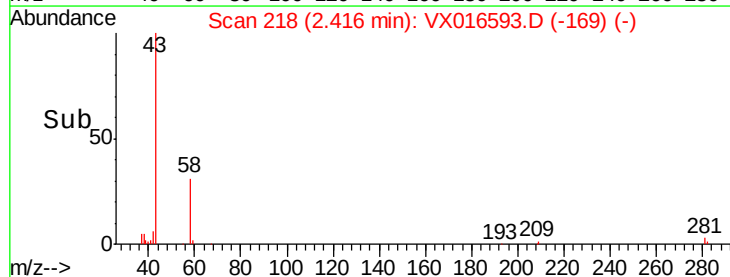
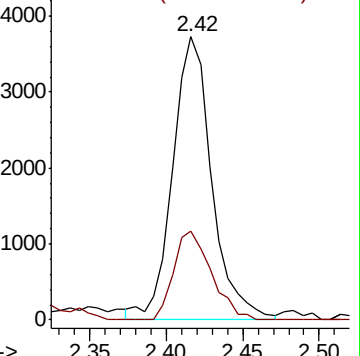
43 100

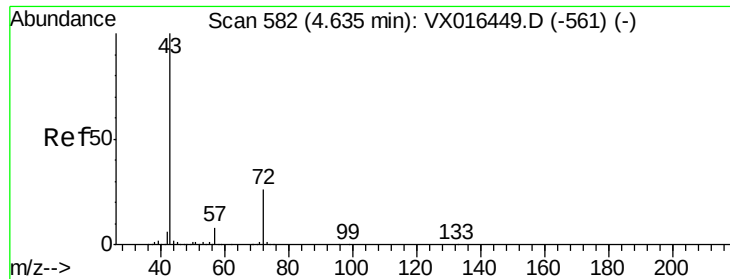
58 31.8 26.1 39.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#25

2-Butanone

Concen: 1.168 ug/l

RT: 4.64 min Scan# 583

Delta R.T. 0.01 min

Lab File: VX016593.D

Acq: 04 Jun 2020 19:46

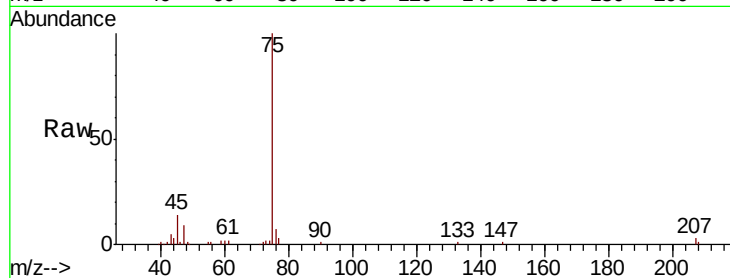
Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 43 Resp: 2519

Ion Ratio Lower Upper

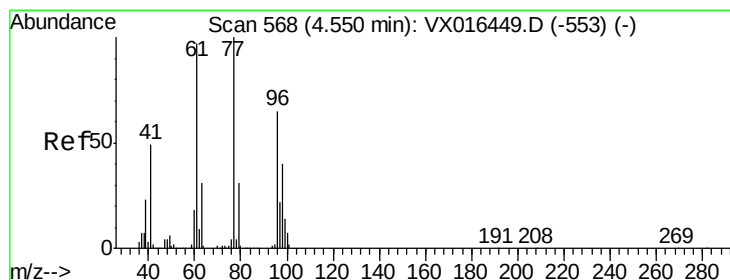
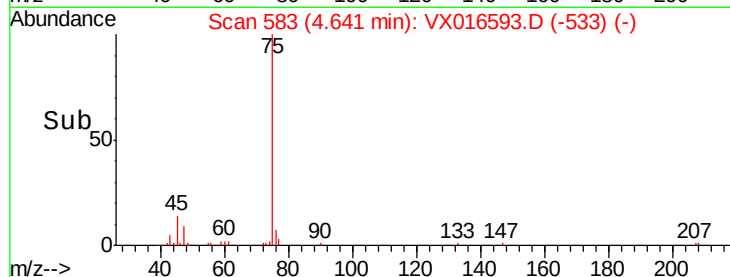
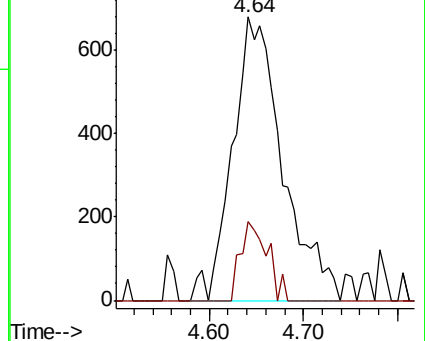
43 100

72 28.0 21.0 31.6



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#26

2,2-Dichloropropane

Concen: 0.528 ug/l

RT: 4.65 min Scan# 584

Delta R.T. 0.10 min

Lab File: VX016593.D

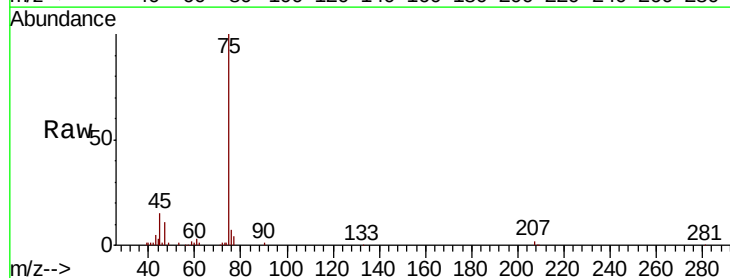
Acq: 04 Jun 2020 19:46

Tgt Ion: 77 Resp: 1939

Ion Ratio Lower Upper

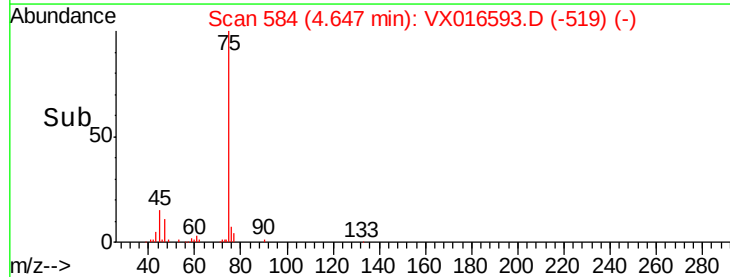
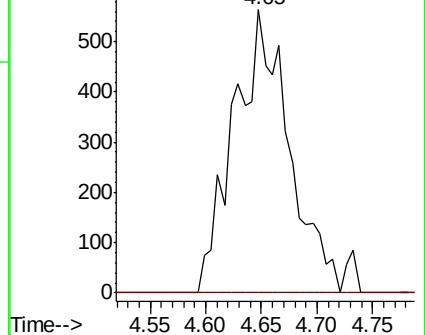
77 100

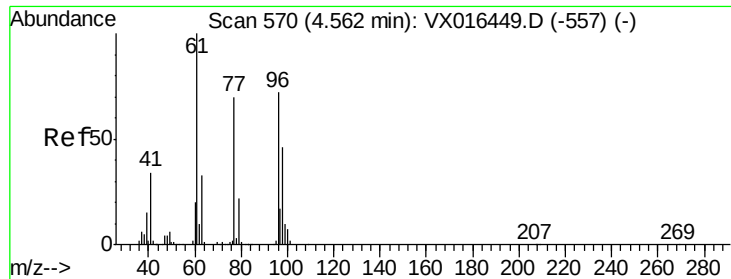
97 0.0 11.5 34.4#



Abundance Ion 76.90 (76.60 to 77.60): VX0

Ion 96.90 (96.60 to 97.60): VX0



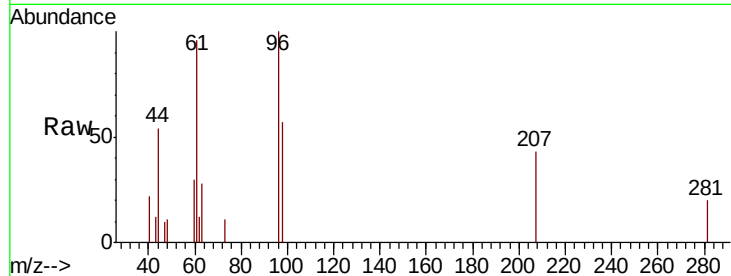


#27

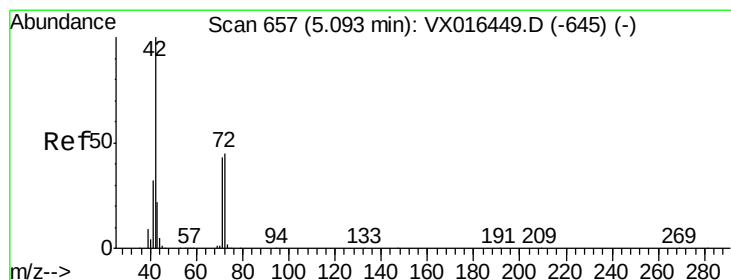
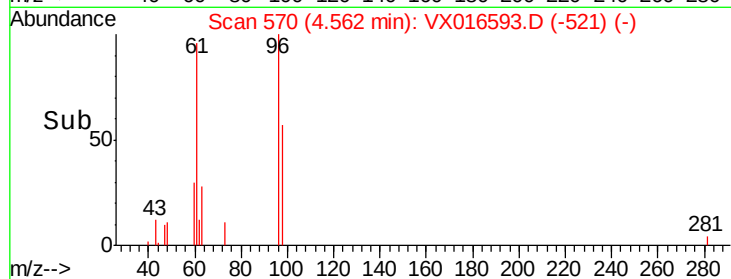
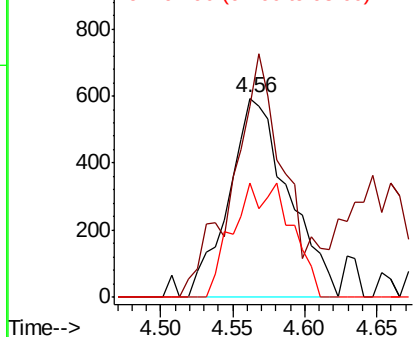
cis-1,2-Dichloroethene
 Concen: 0.593 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: VX016593.D
 Acq: 04 Jun 2020 19:46

Instrument :
 MSVOA_X
 ClientSampled :

Tot Ion: 96 Resp: 1708
 Ion Ratio Lower Upper
 96 100
 61 107.4 0.0 284.6
 98 55.6 0.0 127.2



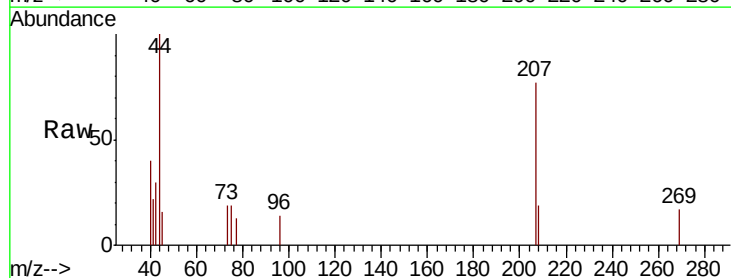
Abundance Ion 95.90 (95.60 to 96.60): VX0
 Ion 60.90 (60.60 to 61.60): VX0
 Ion 97.90 (97.60 to 98.60): VX0



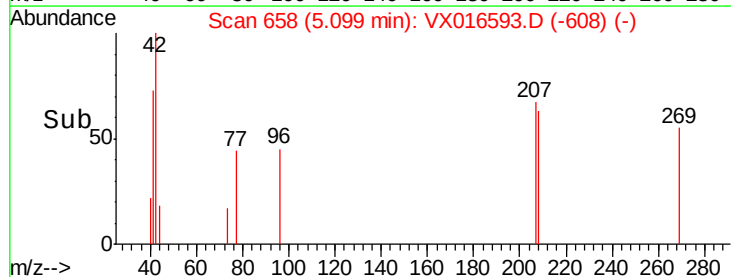
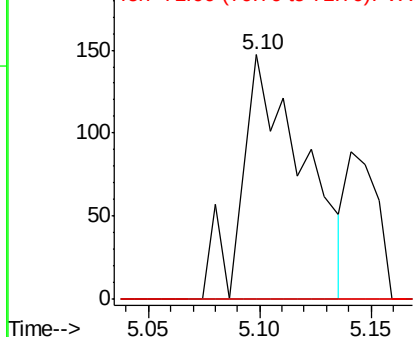
#29

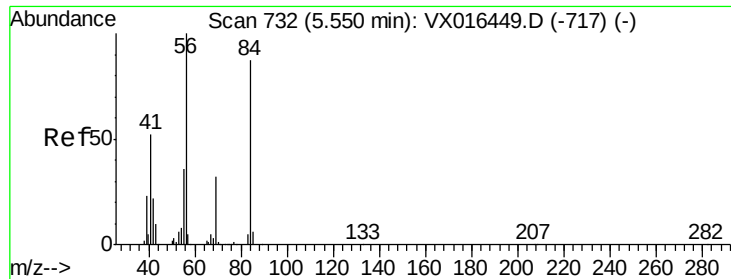
Tetrahydrofuran
 Concen: 0.204 ug/l
 RT: 5.10 min Scan# 658
 Delta R.T. 0.01 min
 Lab File: VX016593.D
 Acq: 04 Jun 2020 19:46

Tgt Ion: 42 Resp: 285
 Ion Ratio Lower Upper
 42 100
 72 0.0 37.0 55.4#
 71 0.0 34.1 51.1#



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

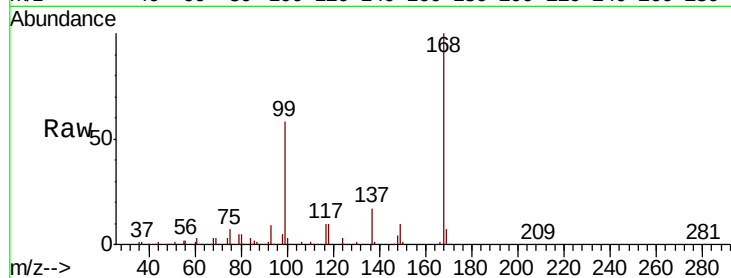




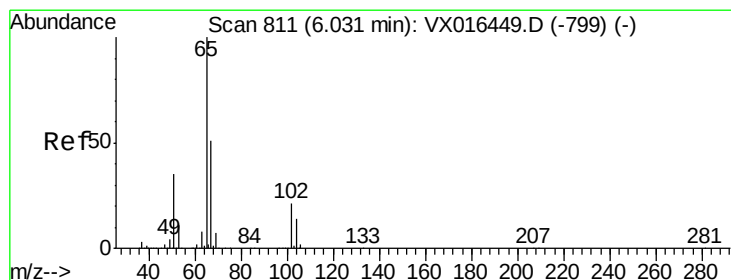
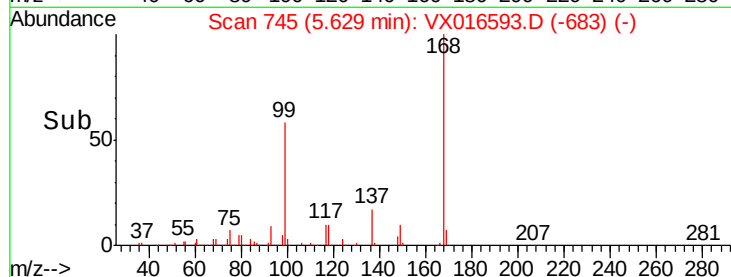
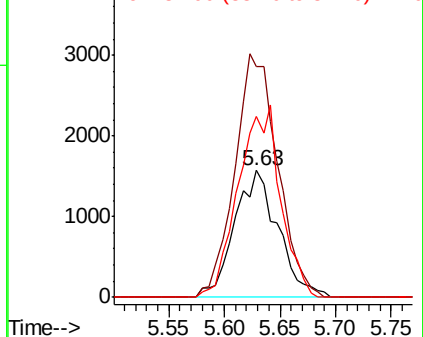
#31
Cyclohexane
Concen: 1.050 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.08 min
Lab File: VX016593.D
Acq: 04 Jun 2020 19:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion: 56 Resp: 4242
Ion Ratio Lower Upper
56 100
69 182.7 25.7 38.5#
84 142.6 70.0 105.0#

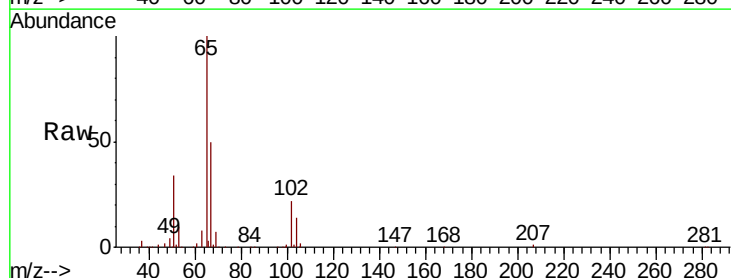


Abundance Ion 56.00 (55.70 to 56.70): VX0
Ion 69.00 (68.70 to 69.70): VX0
Ion 84.00 (83.70 to 84.70): VX0

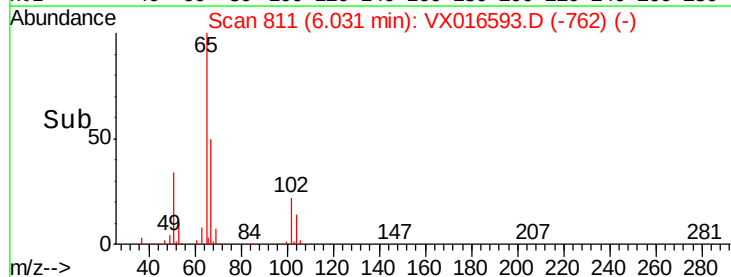
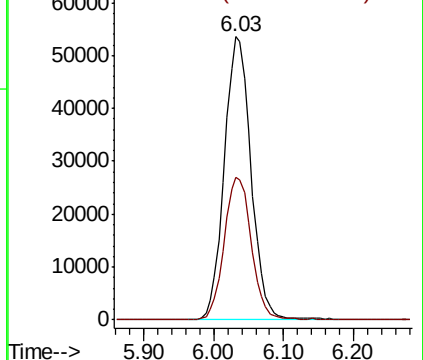


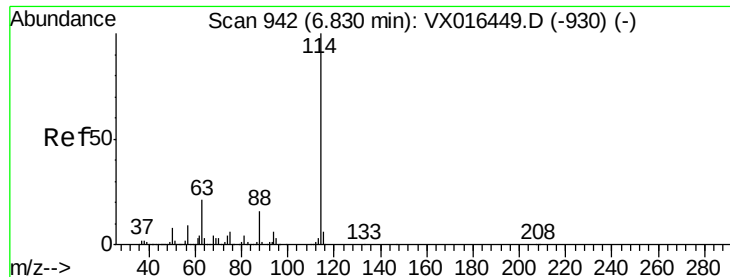
#33
1,2-Dichloroethane-d4
Concen: 48.944 ug/l
RT: 6.03 min Scan# 811
Delta R.T. -0.00 min
Lab File: VX016593.D
Acq: 04 Jun 2020 19:46

Tgt Ion: 65 Resp: 142231
Ion Ratio Lower Upper
65 100
67 51.1 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: VX016593.D

Acq: 04 Jun 2020 19:46

Instrument :

MSVOA_X

ClientSampleId :

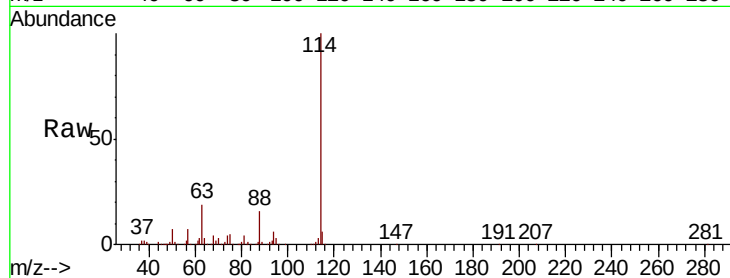
Tot Ion:114 Resp: 377763

Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.6

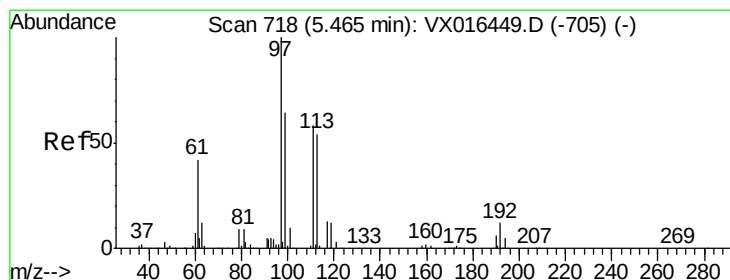
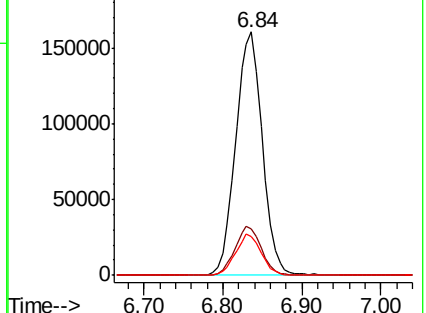
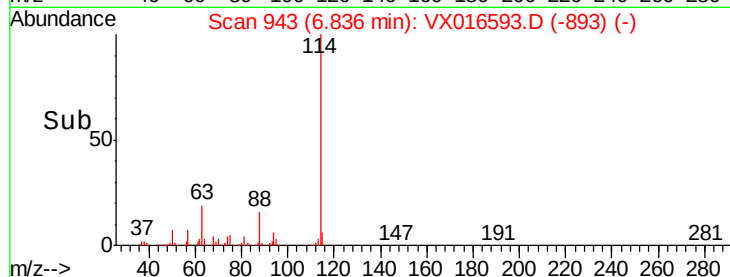
88 16.0 0.0 32.8



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: 49.075 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.01 min

Lab File: VX016593.D

Acq: 04 Jun 2020 19:46

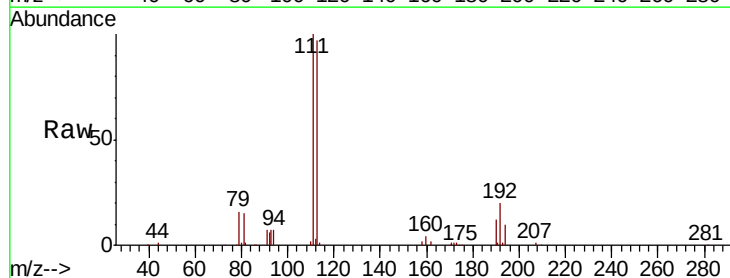
Tgt Ion:113 Resp: 114152

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.6

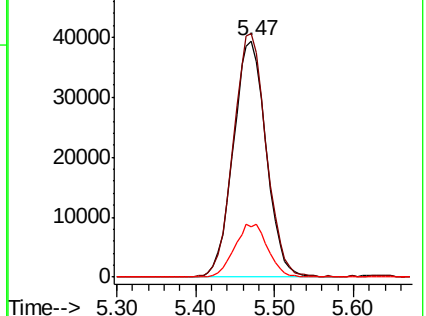
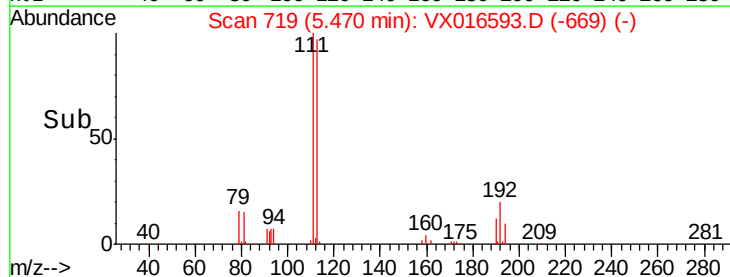
192 22.7 17.7 26.5

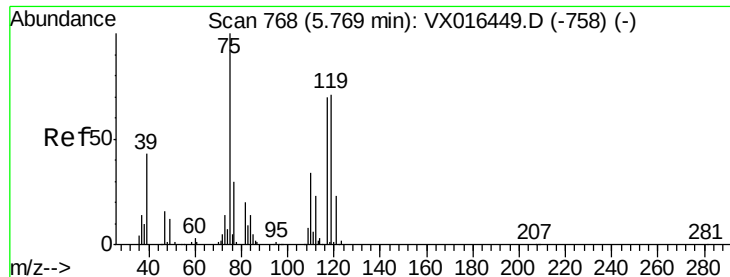


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

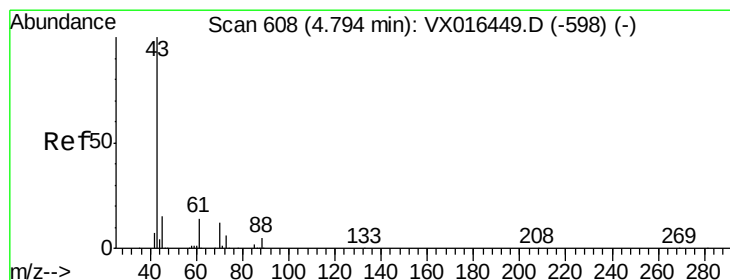
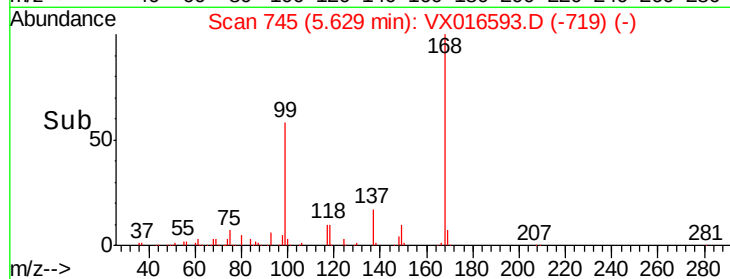
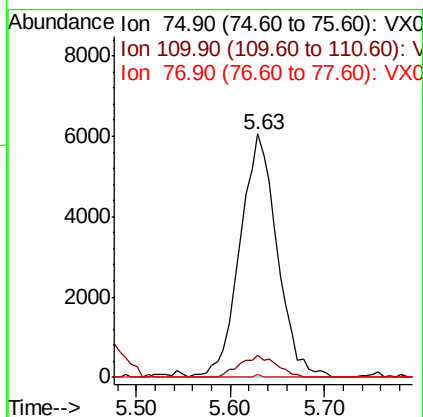
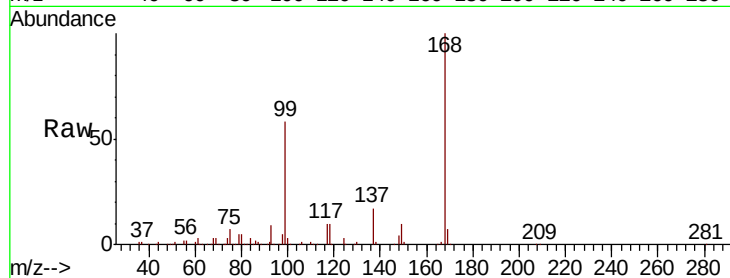




#36
 1,1-Dichloropropene
 Concen: 4.678 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX016593.D
 Acq: 04 Jun 2020 19:46

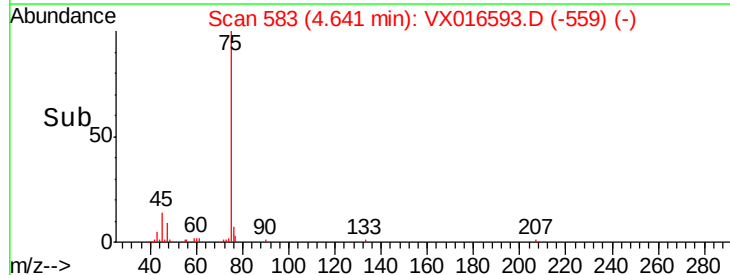
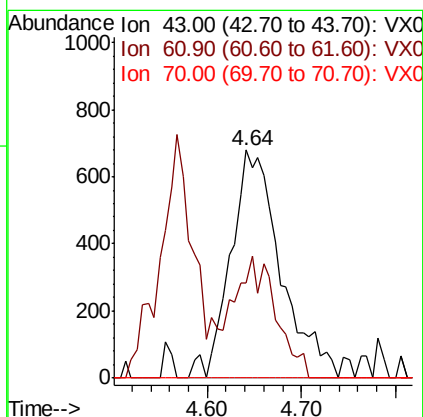
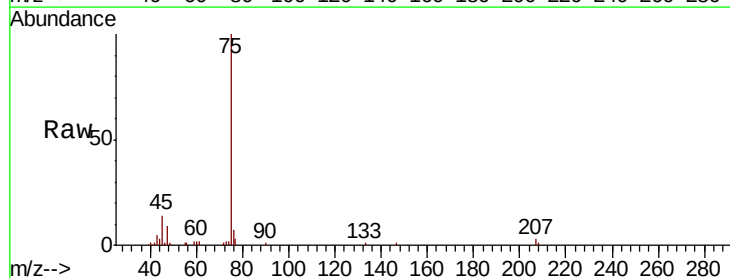
Instrument :
 MSVOA_X
 ClientSampled :

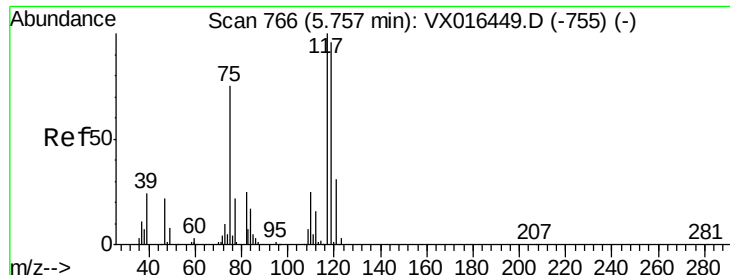
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.4	52.3#
77	0.1	24.2	36.4#



#37
 Ethyl Acetate
 Concen: 0.587 ug/l
 RT: 4.64 min Scan# 583
 Delta R.T. -0.15 min
 Lab File: VX016593.D
 Acq: 04 Jun 2020 19:46

Tgt Ion	Ratio	Lower	Upper
43	100		
61	42.7	11.3	16.9#
70	0.0	9.3	13.9#





#38

Carbon Tetrachloride

Concen: 5.863 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX016593.D

Acq: 04 Jun 2020 19:46

Instrument :

MSVOA_X

ClientSampled :

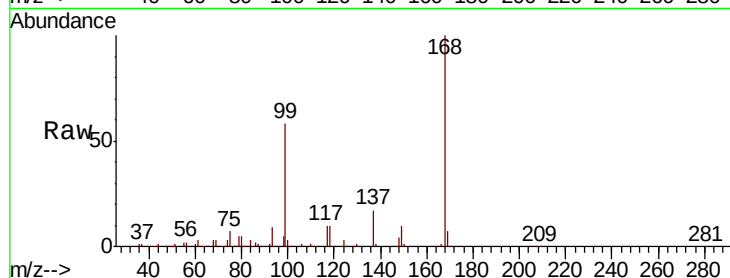
Tot Ion:117 Resp: 22039

Ion Ratio Lower Upper

117 100

119 5.2 76.3 114.5#

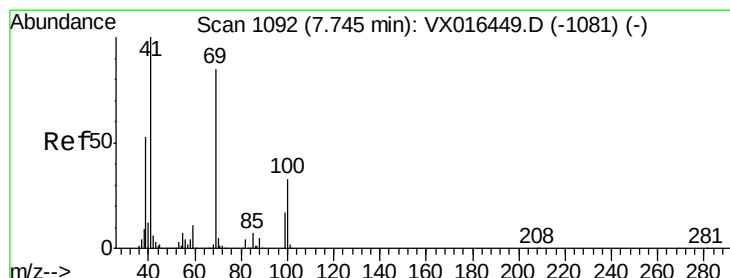
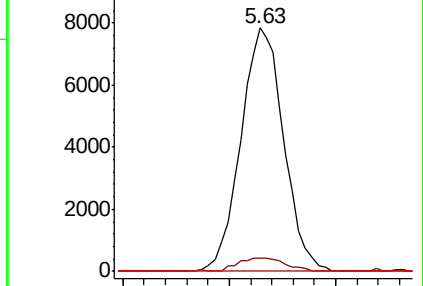
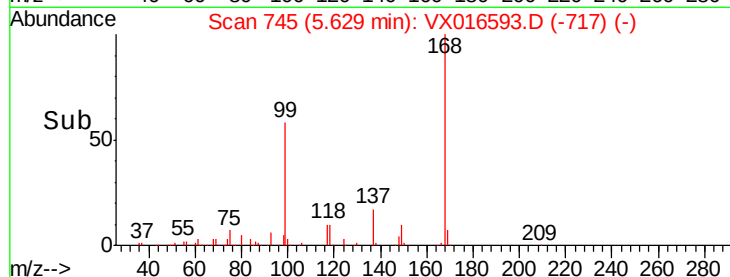
121 0.0 24.6 37.0#



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



#48

Methyl methacrylate

Concen: 0.211 ug/l

RT: 7.75 min Scan# 1093

Delta R.T. 0.01 min

Lab File: VX016593.D

Acq: 04 Jun 2020 19:46

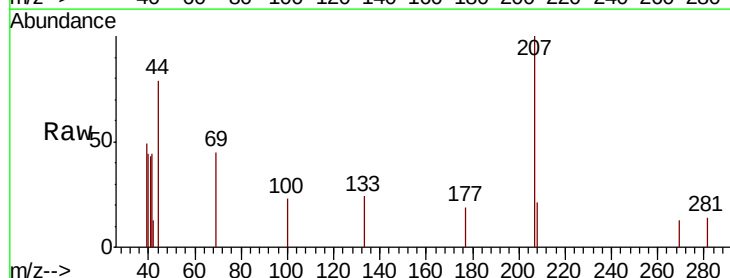
Tgt Ion: 41 Resp: 678

Ion Ratio Lower Upper

41 100

69 56.6 68.6 102.8#

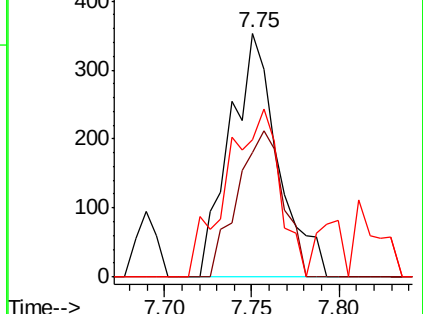
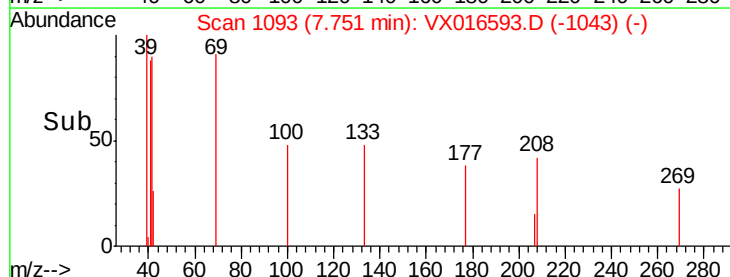
39 75.5 42.4 63.6#

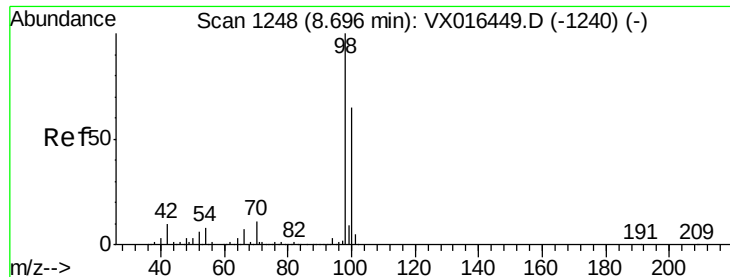


Abundance Ion 41.00 (40.70 to 41.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 39.00 (38.70 to 39.70): VX0

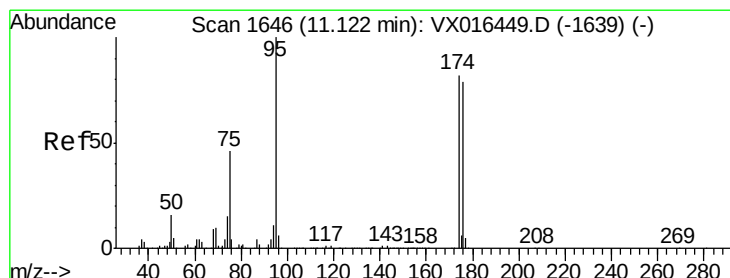
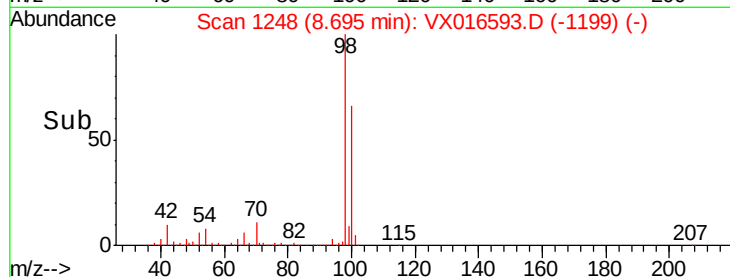
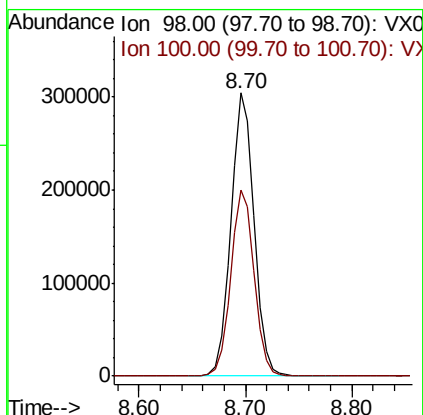
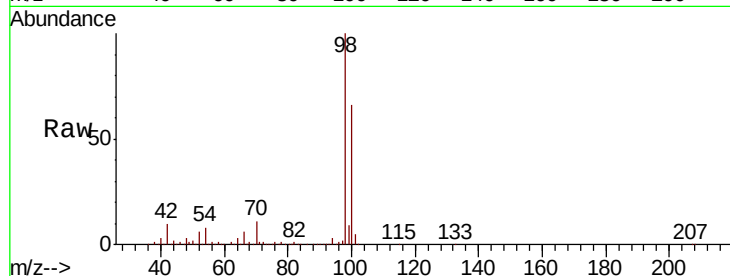




#50
Toluene-d8
Concen: 51.313 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX016593.D
Acq: 04 Jun 2020 19:46

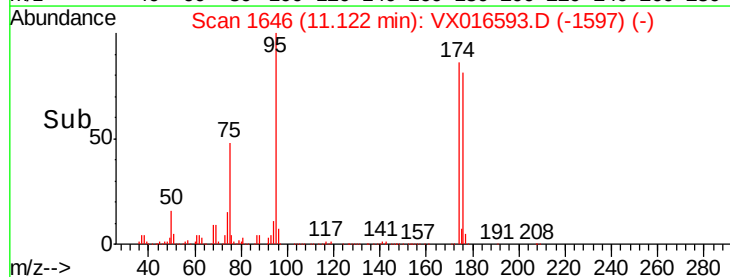
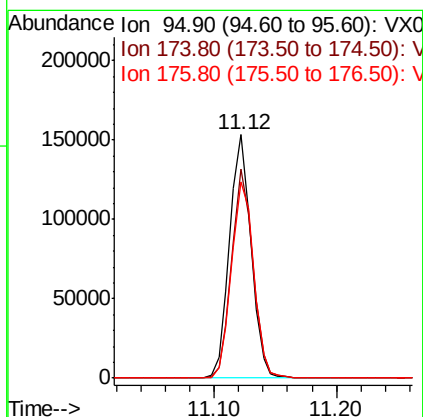
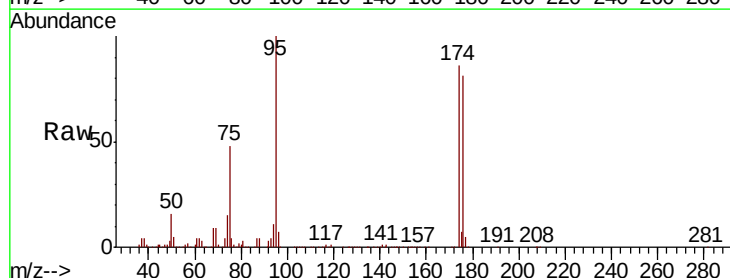
Instrument :
MSVOA_X
ClientSampleId :

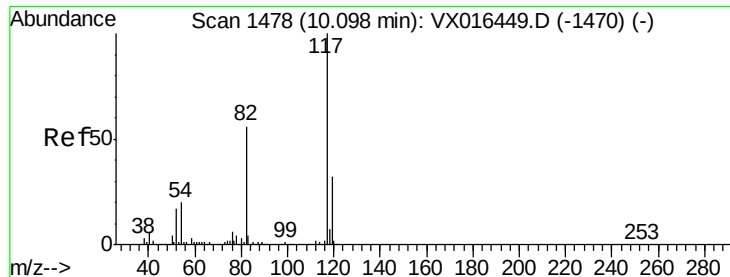
Tot Ion: 98 Resp: 464565
Ion Ratio Lower Upper
98 100
100 66.0 53.8 80.6



#62
4-Bromofluorobenzene
Concen: 53.244 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX016593.D
Acq: 04 Jun 2020 19:46

Tgt Ion: 95 Resp: 186262
Ion Ratio Lower Upper
95 100
174 84.6 0.0 163.0
176 83.1 0.0 156.8

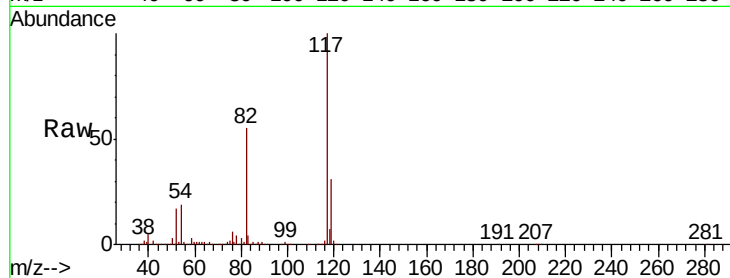




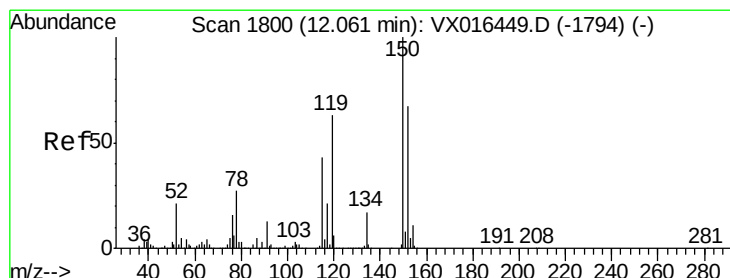
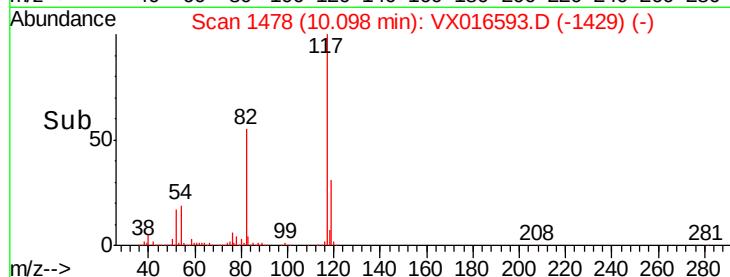
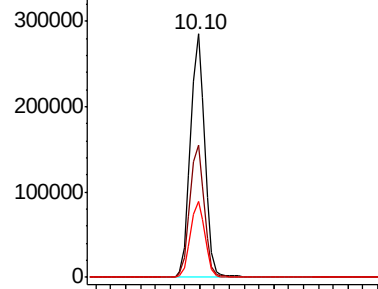
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX016593.D
Acq: 04 Jun 2020 19:46

Instrument :
MSVOA_X
ClientSampleId :

Tot Ion:117 Resp: 377293
Ion Ratio Lower Upper
117 100
82 54.6 45.0 67.6
119 31.5 25.8 38.8

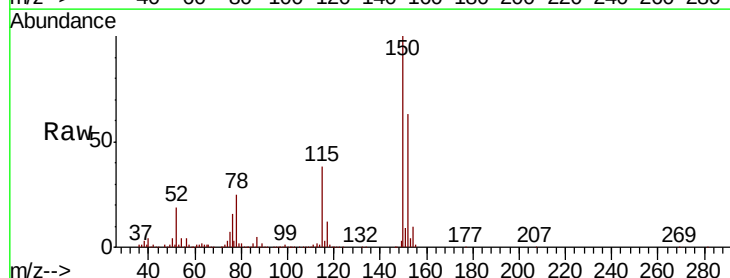


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VX0
Ion 118.90 (118.60 to 119.60): V

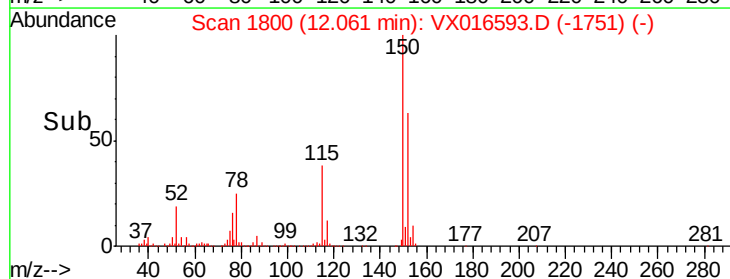
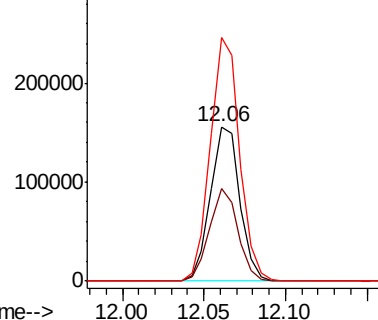


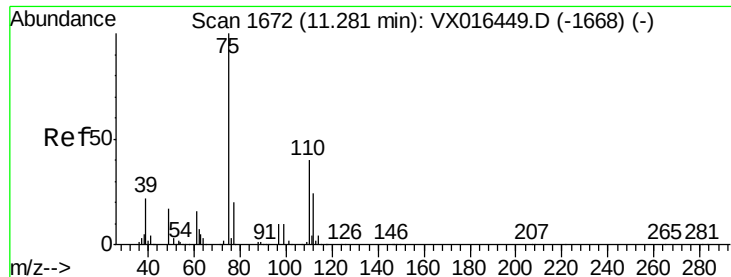
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX016593.D
Acq: 04 Jun 2020 19:46

Tgt Ion:152 Resp: 195841
Ion Ratio Lower Upper
152 100
115 58.0 39.9 119.6
150 156.4 0.0 341.0



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: 21.573 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX016593.D

Acq: 04 Jun 2020 19:46

Instrument :

MSVOA_X

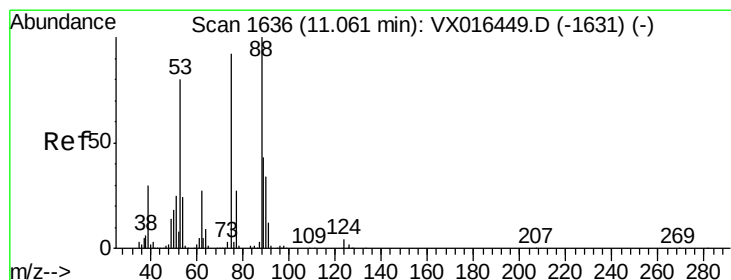
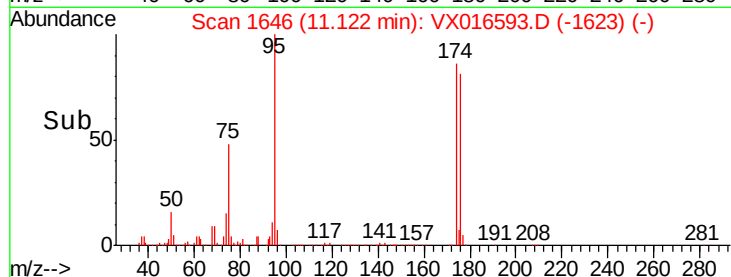
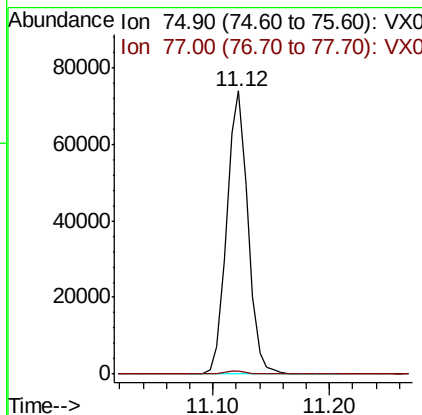
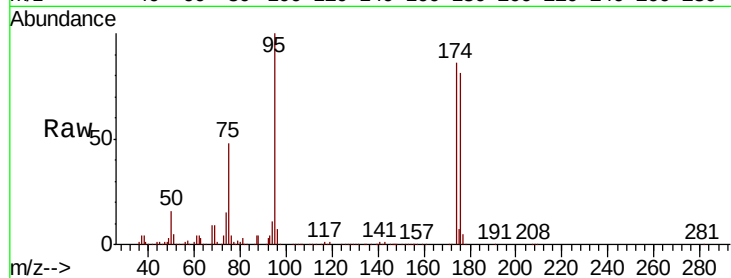
ClientSampleId :

Tot Ion: 75 Resp: 92867

Ion Ratio Lower Upper

75 100

77 1.3 21.3 63.7#



#81

trans-1,4-Dichloro-2-butene

Concen: 53.067 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX016593.D

Acq: 04 Jun 2020 19:46

Tgt Ion: 75 Resp: 92867

Ion Ratio Lower Upper

75 100

53 0.1 71.3 106.9#

89 0.0 36.6 55.0#

