

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
 Data File : VX019917.D
 Acq On : 12 Dec 2020 08:53
 Operator : JC/MD
 Sample : L5025-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 57 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-632-120920

Quant Time: Dec 14 02:49:31 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 04 15:32:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	332145	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	543035	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	489991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	200431	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	208706	47.81	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.62%	
35) Dibromofluoromethane		5.46	113	169174	48.20	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	96.40%	
50) Toluene-d8		8.70	98	664479	49.59	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	99.18%	
62) 4-Bromofluorobenzene		11.12	95	223341	43.80	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	87.60%	

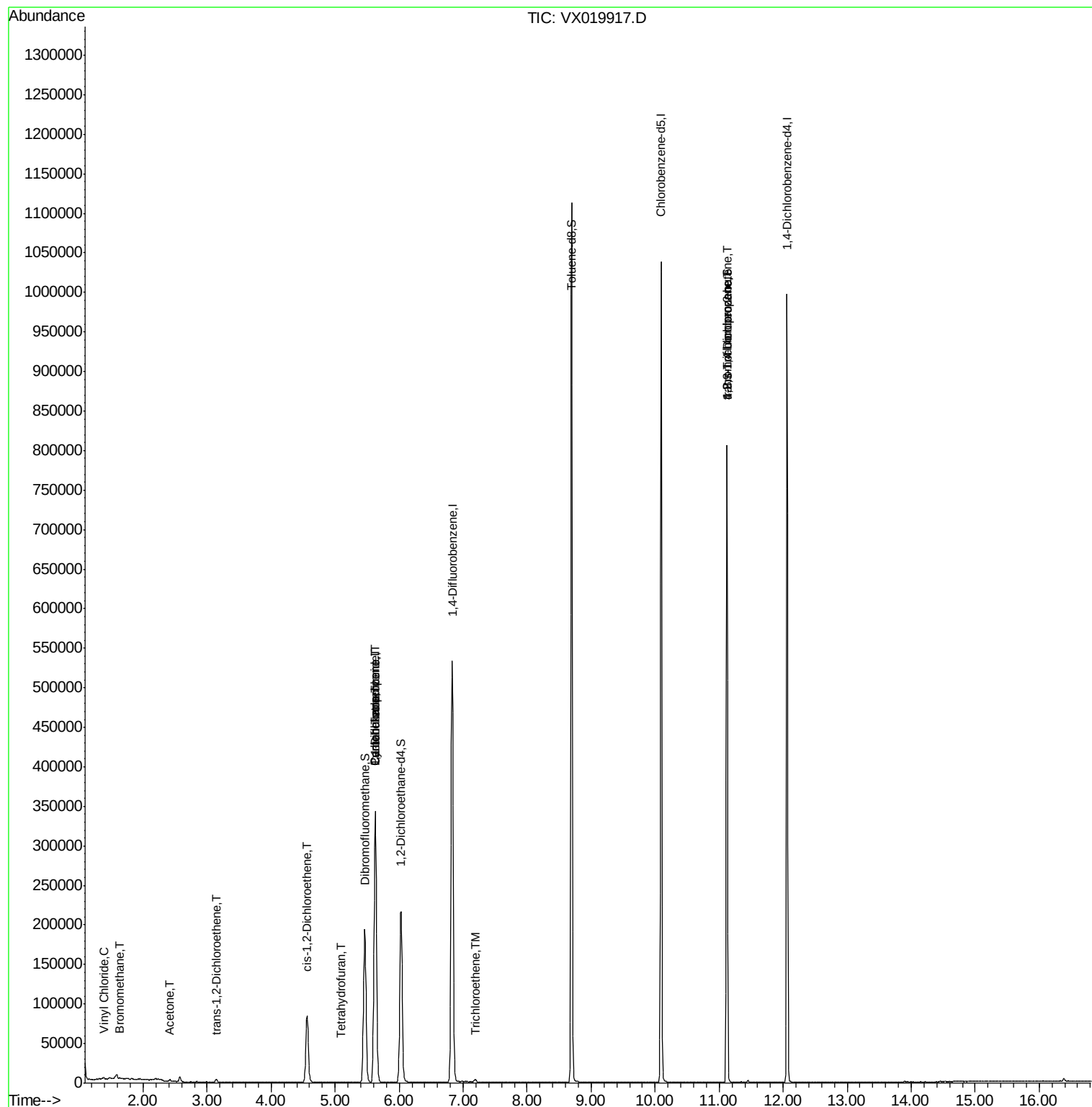
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	1.39	62	827	0.219	ug/l #	59
5) Bromomethane	1.63	94	588	0.470	ug/l	93
11) Tert butyl alcohol	3.00	59	733	Below Cal	#	73
16) Acetone	2.42	43	2393	1.458	ug/l	91
20) Methylene Chloride	2.83	84	292	Below Cal	#	92
21) trans-1,2-Dichloroethene	3.14	96	1516	0.427	ug/l #	86
27) cis-1,2-Dichloroethene	4.56	96	56833	13.688	ug/l	89
29) Tetrahydrofuran	5.09	42	473	0.291	ug/l #	35
31) Cyclohexane	5.63	56	6307	1.161	ug/l #	1
36) 1,1-Dichloropropene	5.63	75	25119	5.119	ug/l #	48
38) Carbon Tetrachloride	5.63	117	32393	6.741	ug/l #	16
44) Trichloroethene	7.19	130	1071	0.272	ug/l	93
76) 1,2,3-Trichloropropane	11.12	75	107238	23.855	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	107238	68.962	ug/l #	12

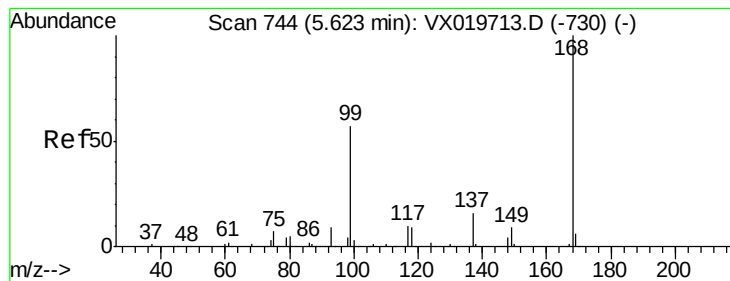
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX121120\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X120420W.M
Quant Title : SW846 8260
QLast Update : Fri Dec 04 15:32:53 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: VX019917.D

Acq: 12 Dec 2020 08:53

Instrument :

MSVOA_X

ClientSampleId :

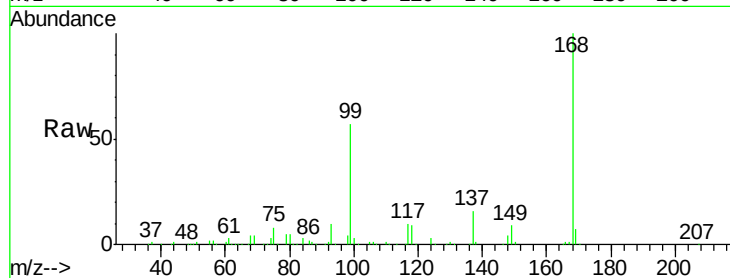
TU032-32-632-120920

Tgt Ion:168 Resp: 332145

Ion Ratio Lower Upper

168 100

99 57.5 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

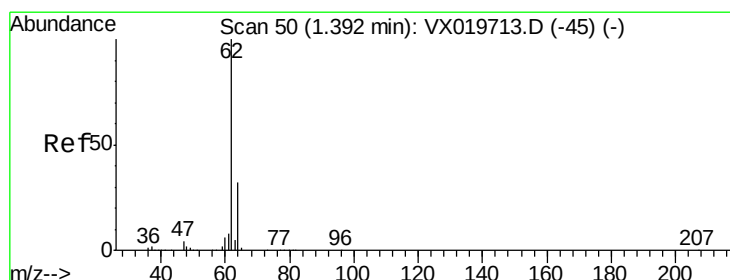
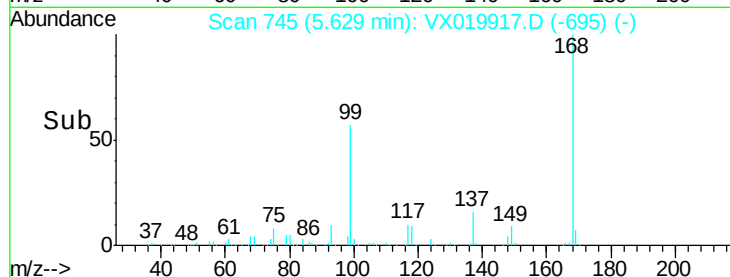
5.63

100000

50000

0

Time-->



#4

Vinyl Chloride

Concen: 0.219 ug/l

RT: 1.39 min Scan# 50

Delta R.T. 0.00 min

Lab File: VX019917.D

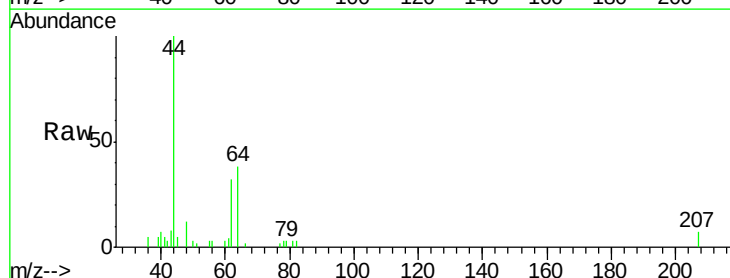
Acq: 12 Dec 2020 08:53

Tgt Ion: 62 Resp: 827

Ion Ratio Lower Upper

62 100

64 55.0 25.7 38.5#



Abundance Ion 61.90 (61.60 to 62.60): VX0

Ion 63.90 (63.60 to 64.60): VX0

1200

1000

800

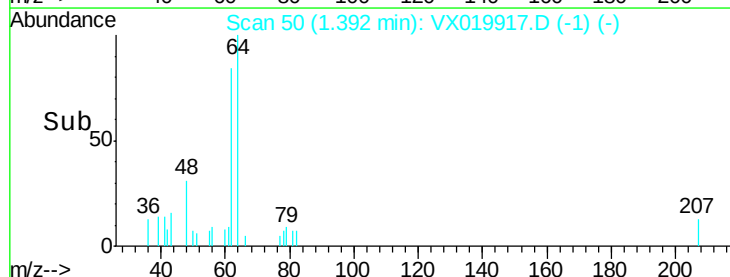
600

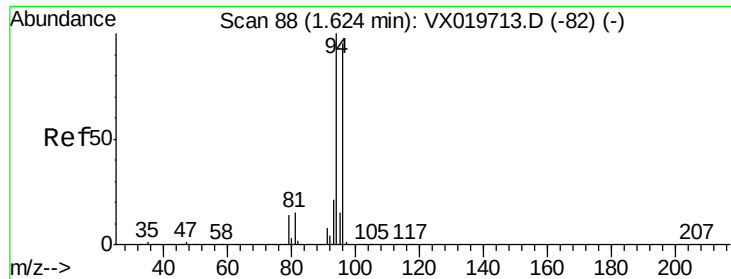
400

200

0

Time-->





#5

Bromomethane

Concen: 0.470 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019917.D

Acq: 12 Dec 2020 08:53

Instrument :

MSVOA_X

ClientSampleId :

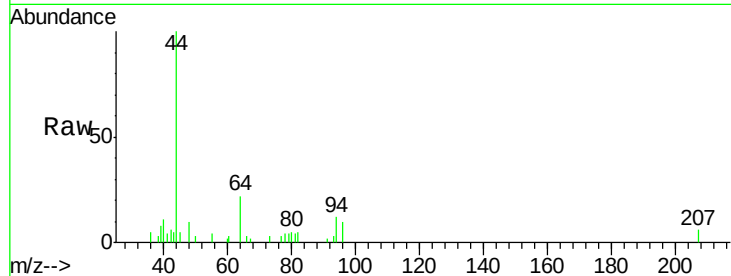
TU032-32-632-120920

Tgt Ion: 94 Resp: 588

Ion Ratio Lower Upper

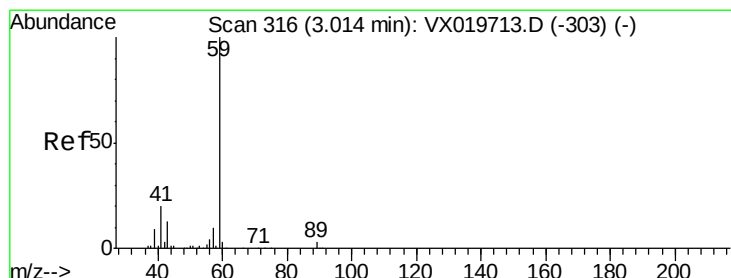
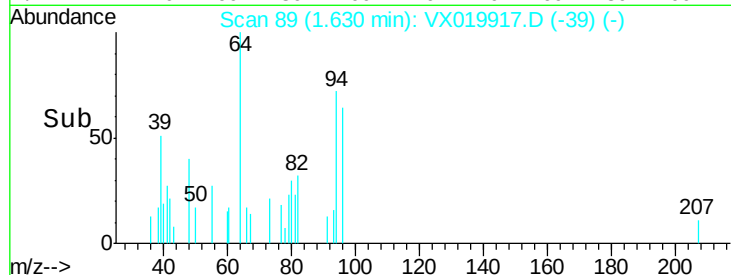
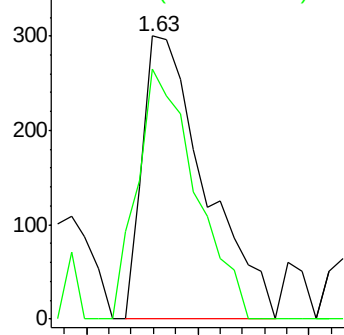
94 100

96 88.3 76.4 114.6



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.00 min Scan# 313

Delta R.T. -0.02 min

Lab File: VX019917.D

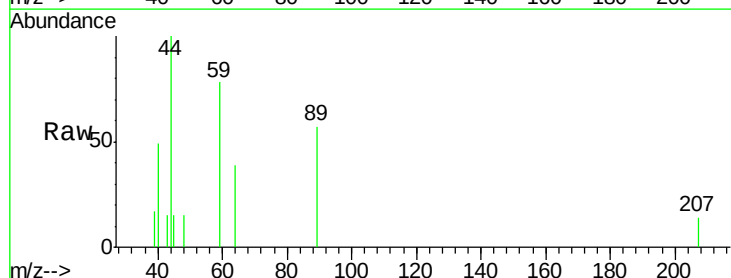
Acq: 12 Dec 2020 08:53

Tgt Ion: 59 Resp: 733

Ion Ratio Lower Upper

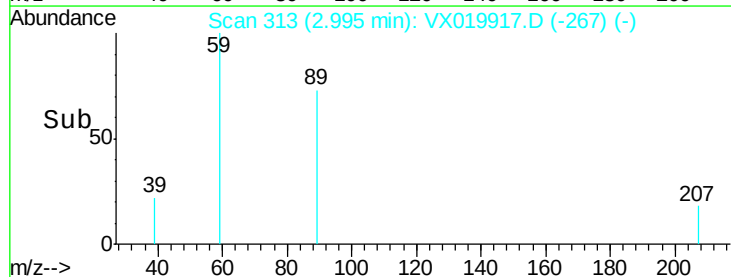
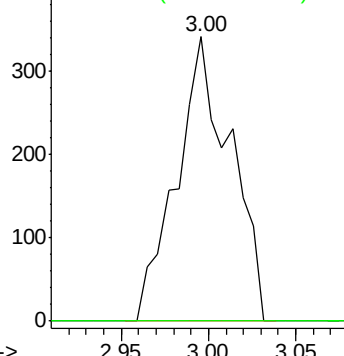
59 100

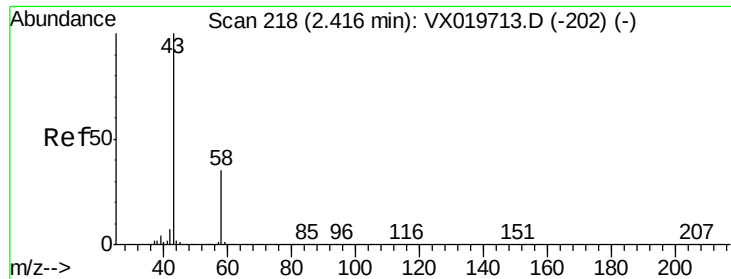
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#16

Acetone

Concen: 1.458 ug/l

RT: 2.42 min Scan# 219

Delta R.T. 0.01 min

Lab File: VX019917.D

Acq: 12 Dec 2020 08:53

Instrument :

MSVOA_X

ClientSampleId :

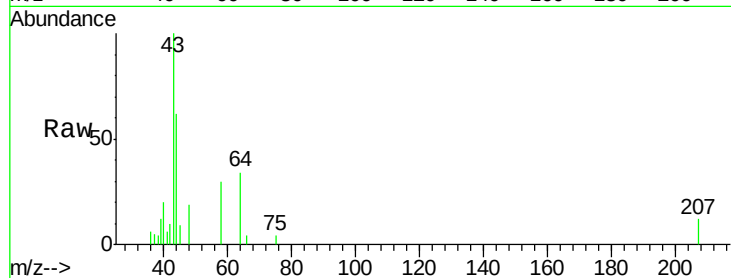
TU032-32-632-120920

Tgt Ion: 43 Resp: 2393

Ion Ratio Lower Upper

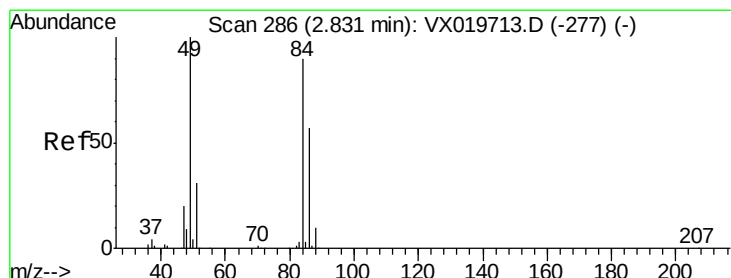
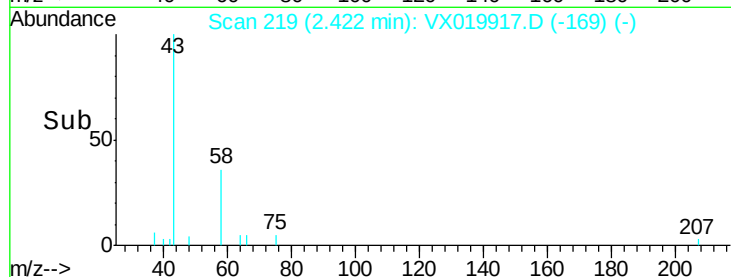
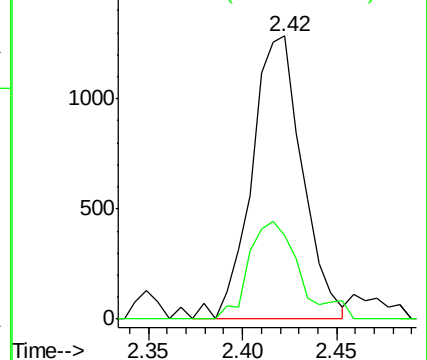
43 100

58 29.6 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#20

Methylene Chloride

Concen: Below Cal

RT: 2.83 min Scan# 286

Delta R.T. 0.00 min

Lab File: VX019917.D

Acq: 12 Dec 2020 08:53

Tgt Ion: 84 Resp: 292

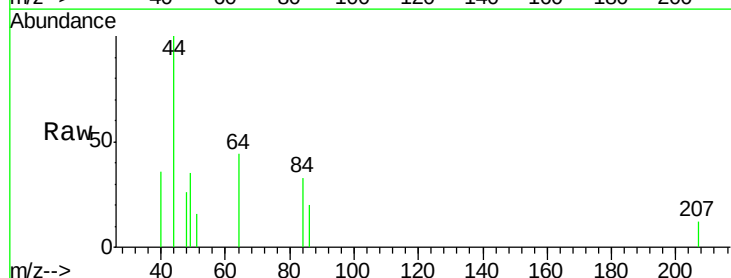
Ion Ratio Lower Upper

84 100

49 105.2 88.6 132.8

51 48.5 27.0 40.6#

86 60.3 50.3 75.5

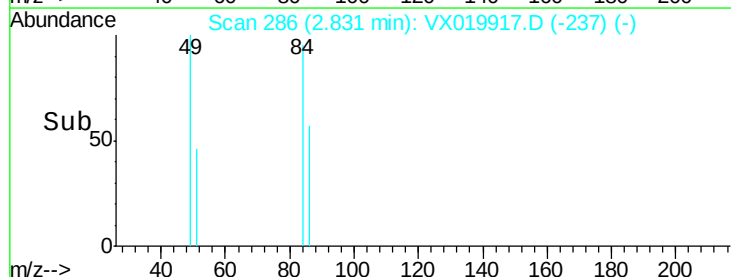
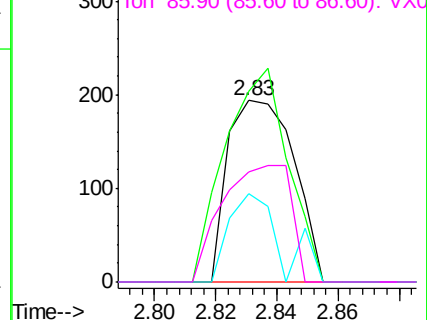


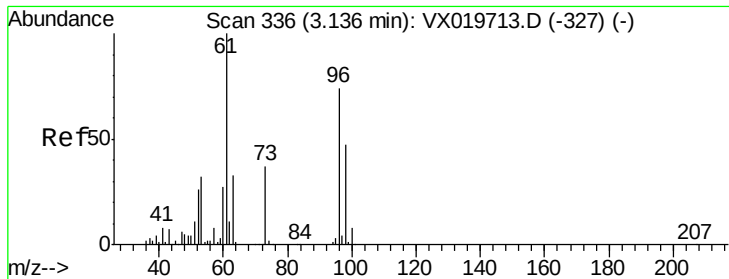
Abundance Ion 83.90 (83.60 to 84.60): VX0

Ion 48.90 (48.60 to 49.60): VX0

Ion 50.90 (50.60 to 51.60): VX0

Ion 85.90 (85.60 to 86.60): VX0





#21

trans-1,2-Dichloroethene

Concen: 0.427 ug/l

RT: 3.14 min Scan# 337

Delta R.T. 0.01 min

Lab File: VX019917.D

Acq: 12 Dec 2020 08:53

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-632-120920

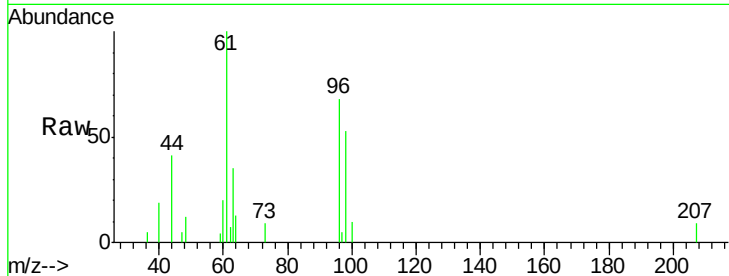
Tgt Ion: 96 Resp: 1516

Ion Ratio Lower Upper

96 100

61 147.6 107.7 161.5

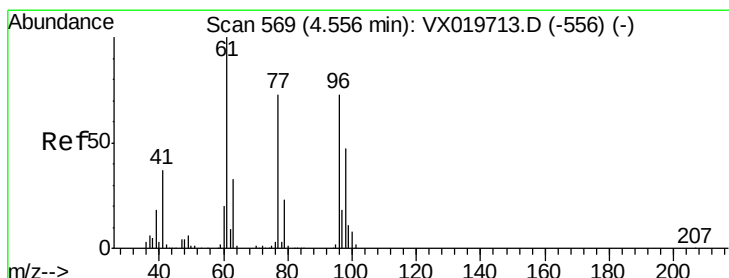
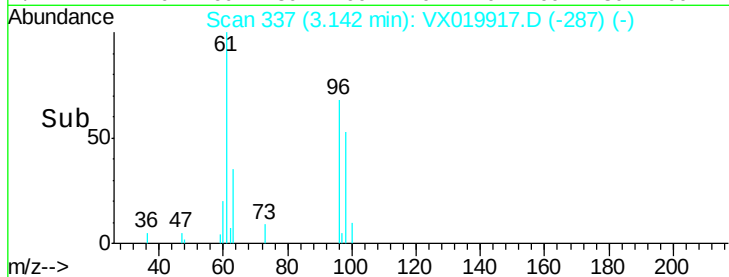
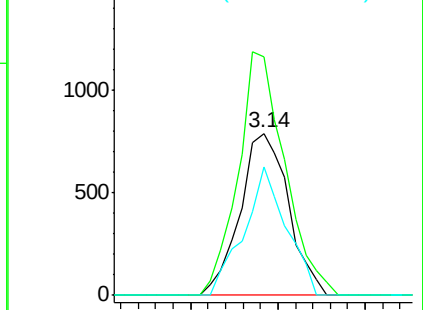
98 78.9 50.4 75.6#



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



#27

cis-1,2-Dichloroethene

Concen: 13.688 ug/l

RT: 4.56 min Scan# 570

Delta R.T. 0.01 min

Lab File: VX019917.D

Acq: 12 Dec 2020 08:53

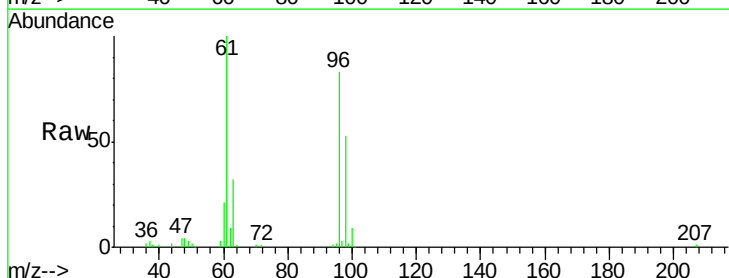
Tgt Ion: 96 Resp: 56833

Ion Ratio Lower Upper

96 100

61 123.8 0.0 285.6

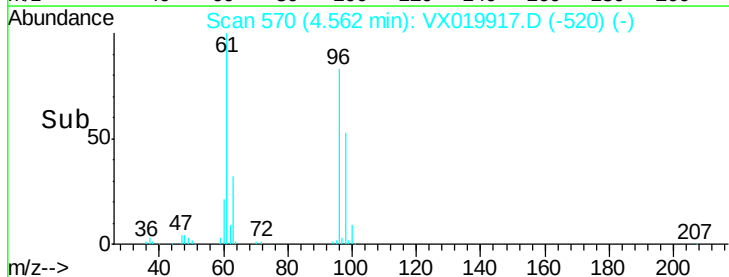
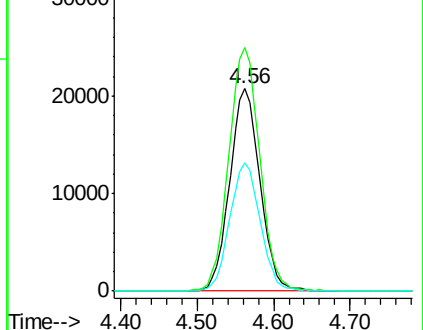
98 63.6 0.0 129.6

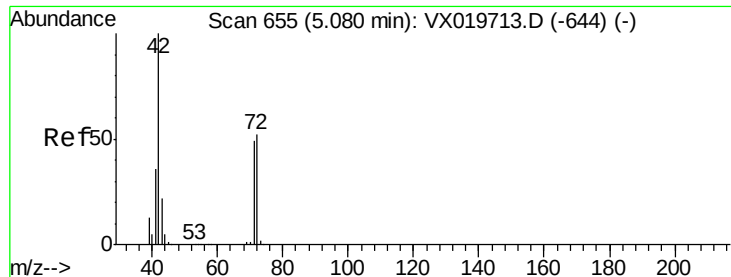


Abundance Ion 95.90 (95.60 to 96.60): VX0

Ion 60.90 (60.60 to 61.60): VX0

Ion 97.90 (97.60 to 98.60): VX0

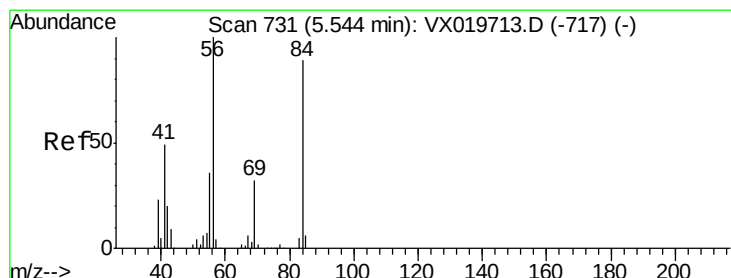
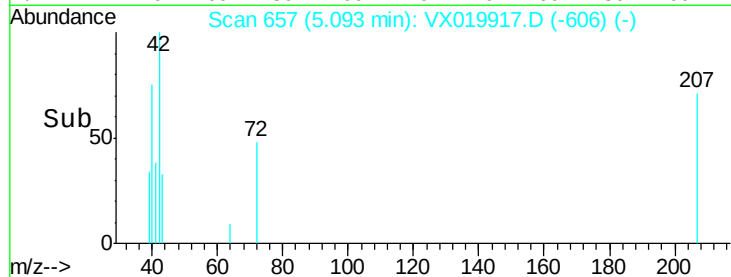
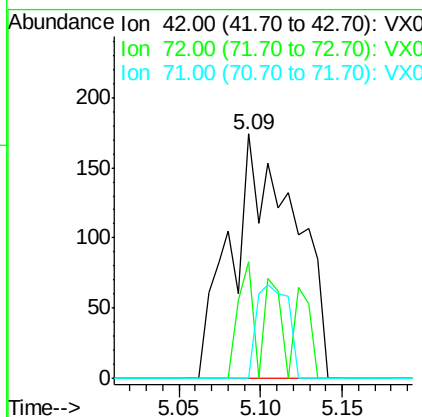
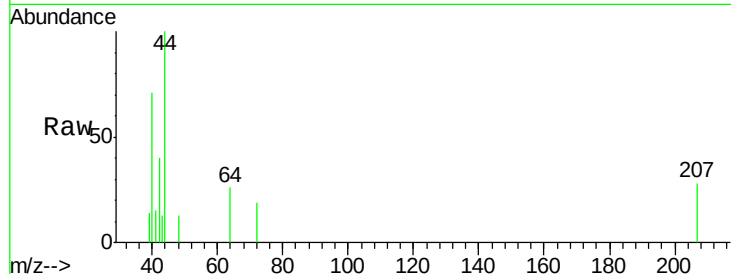




#29
Tetrahydrofuran
Concen: 0.291 ug/l
RT: 5.09 min Scan# 657
Delta R.T. 0.01 min
Lab File: VX019917.D
Acq: 12 Dec 2020 08:53

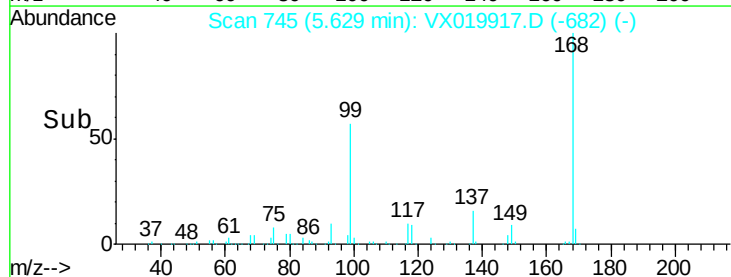
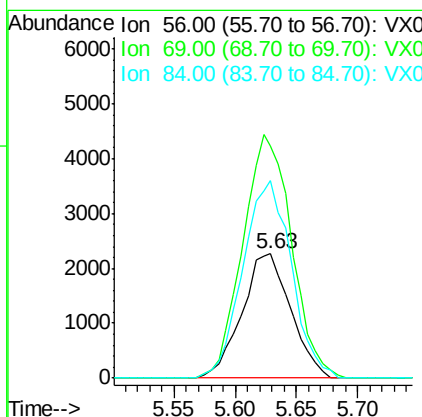
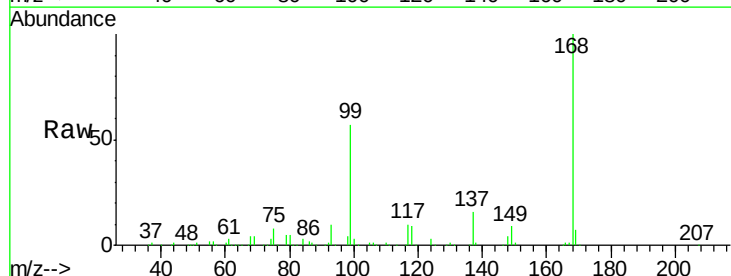
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-632-120920

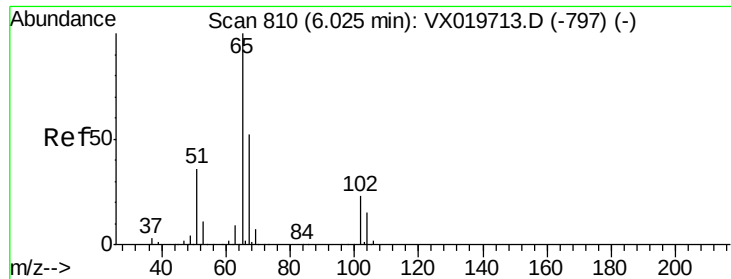
Tgt Ion: 42 Resp: 473
Ion Ratio Lower Upper
42 100
72 10.8 41.7 62.5#
71 0.0 38.4 57.6#



#31
Cyclohexane
Concen: 1.161 ug/l
RT: 5.63 min Scan# 745
Delta R.T. 0.09 min
Lab File: VX019917.D
Acq: 12 Dec 2020 08:53

Tgt Ion: 56 Resp: 6307
Ion Ratio Lower Upper
56 100
69 186.9 25.3 37.9#
84 158.7 71.4 107.0#





#33

1,2-Dichloroethane-d4

Concen: 47.810 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.01 min

Lab File: VX019917.D

Acq: 12 Dec 2020 08:53

Instrument :

MSVOA_X

ClientSampleId :

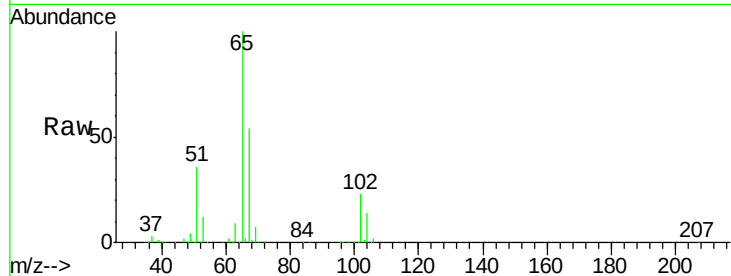
TU032-32-632-120920

Tgt Ion: 65 Resp: 208706

Ion Ratio Lower Upper

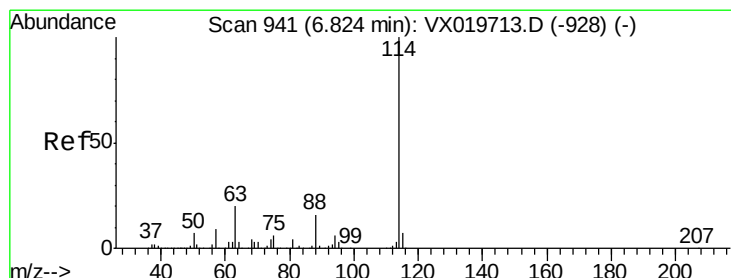
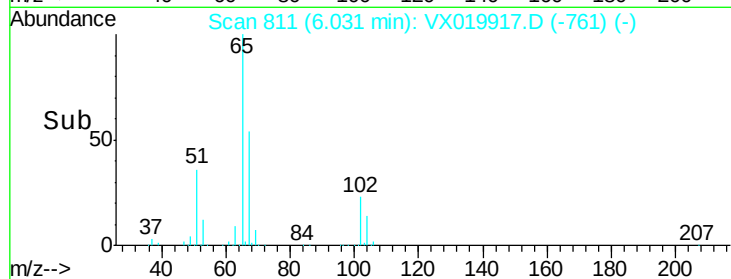
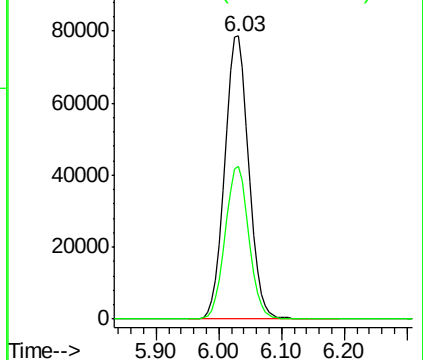
65 100

67 53.4 0.0 105.4



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. 0.01 min

Lab File: VX019917.D

Acq: 12 Dec 2020 08:53

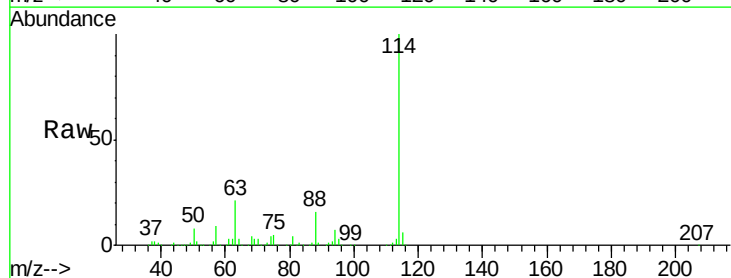
Tgt Ion: 114 Resp: 543035

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

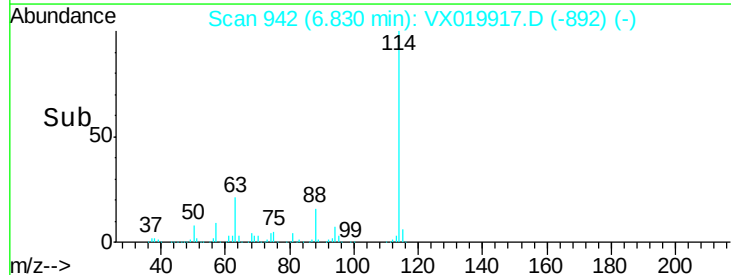
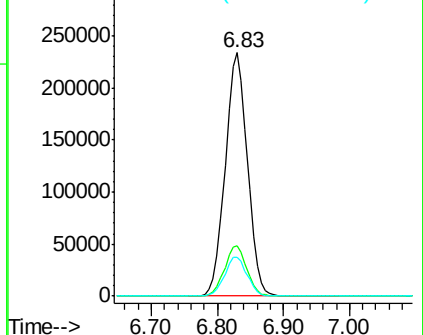
88 16.2 0.0 32.8

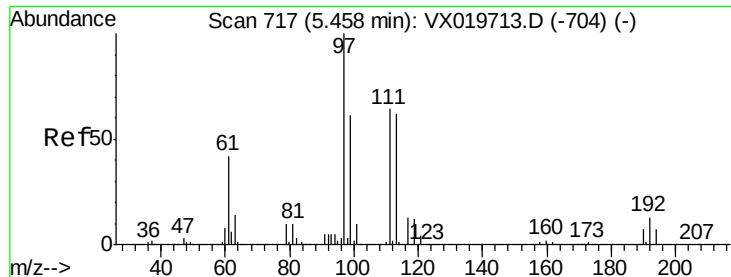


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

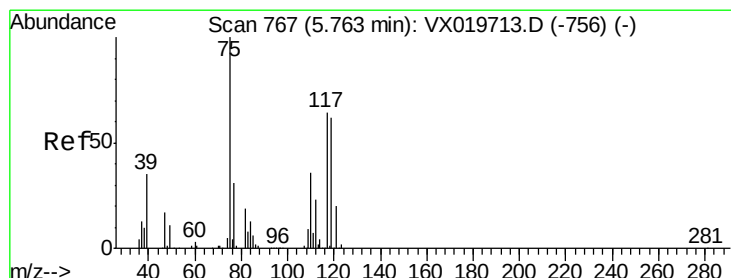
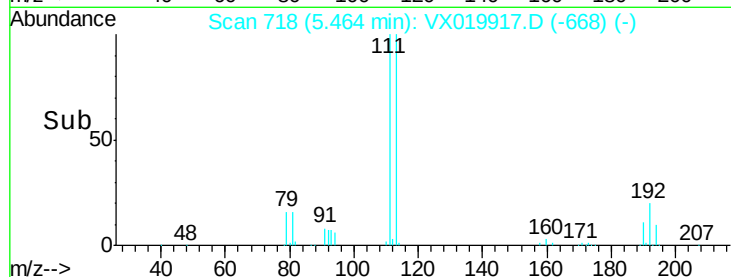
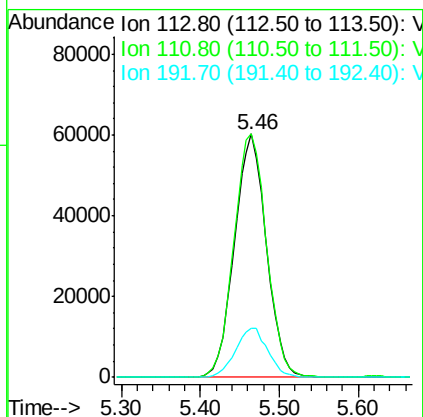
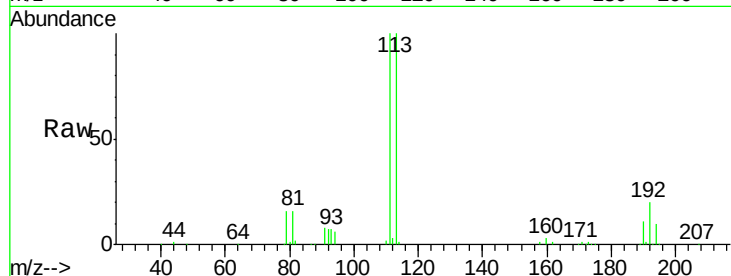




#35
 Dibromofluoromethane
 Concen: 48.204 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. 0.01 min
 Lab File: VX019917.D
 Acq: 12 Dec 2020 08:53

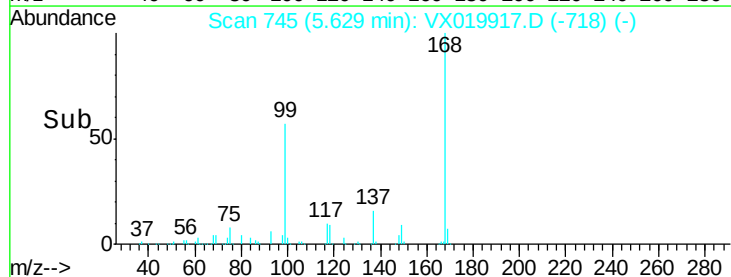
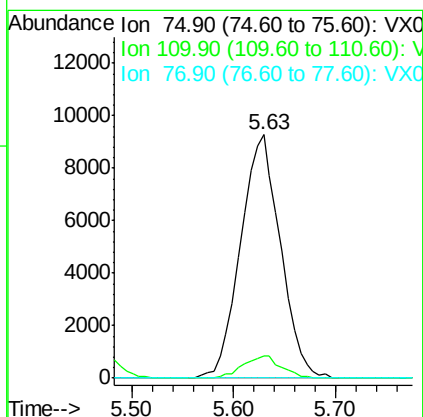
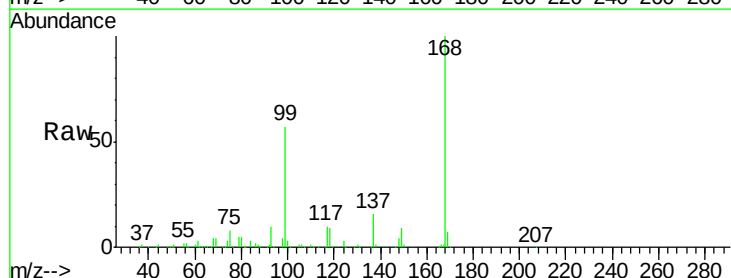
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 MSVOA_X
 ClientSampleId :
 TU032-32-632-120920

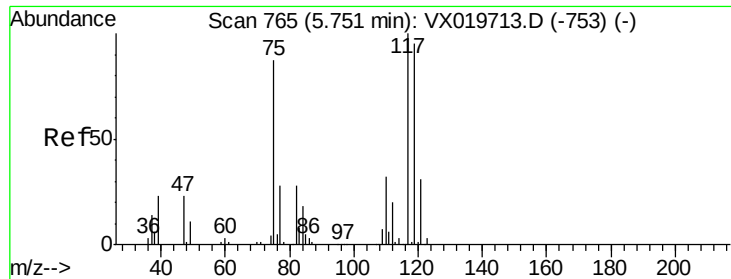
Tgt Ion:113 Resp: 169174
 Ion Ratio Lower Upper
 113 100
 111 102.5 81.9 122.9
 192 20.5 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 5.119 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.13 min
 Lab File: VX019917.D
 Acq: 12 Dec 2020 08:53

Tgt Ion: 75 Resp: 25119
 Ion Ratio Lower Upper
 75 100
 110 8.6 18.1 54.4#
 77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 6.741 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.12 min

Lab File: VX019917.D

Acq: 12 Dec 2020 08:53

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-632-120920

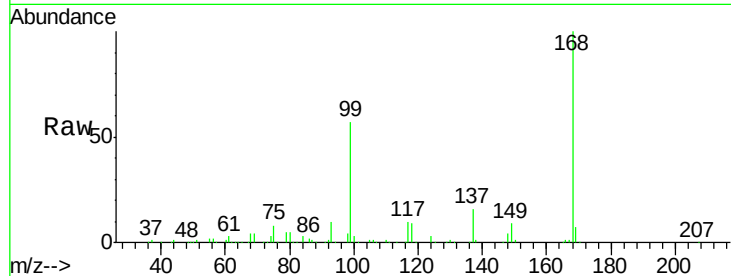
Tgt Ion:117 Resp: 32393

Ion Ratio Lower Upper

117 100

119 4.7 76.2 114.2#

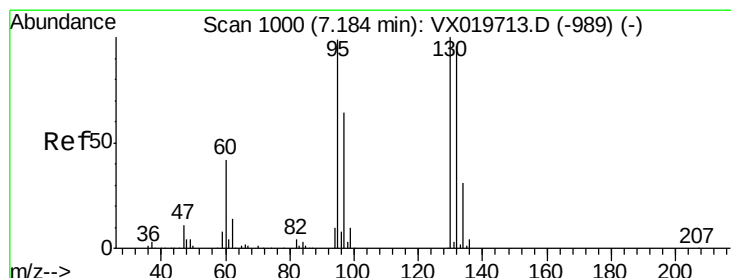
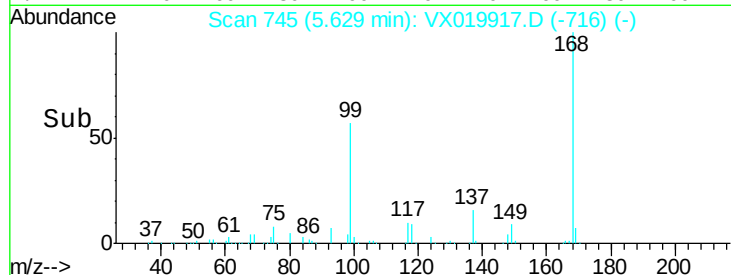
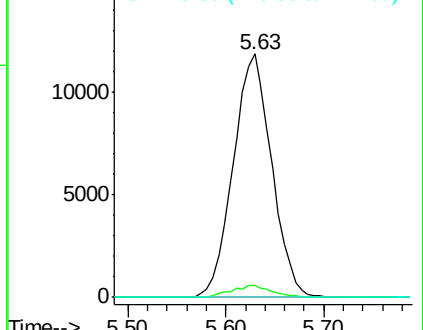
121 0.0 24.8 37.2#



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: 0.272 ug/l

RT: 7.19 min Scan# 1001

Delta R.T. 0.01 min

Lab File: VX019917.D

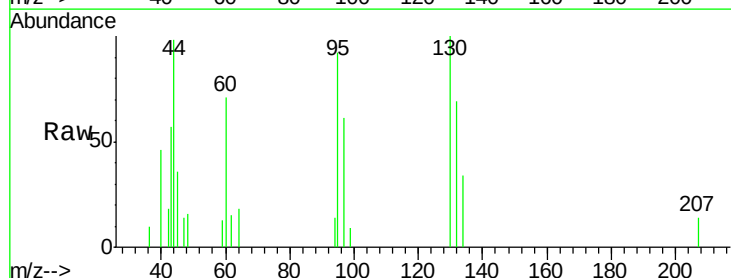
Acq: 12 Dec 2020 08:53

Tgt Ion:130 Resp: 1071

Ion Ratio Lower Upper

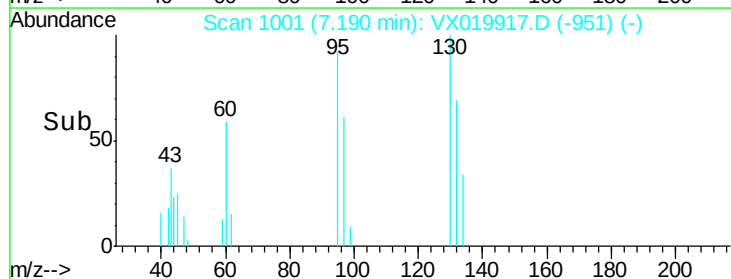
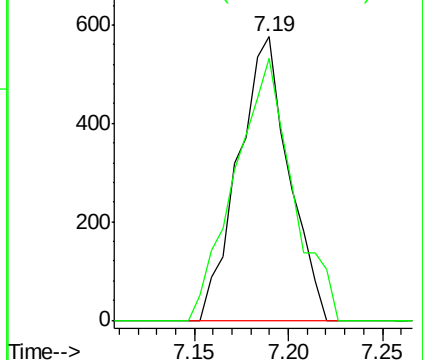
130 100

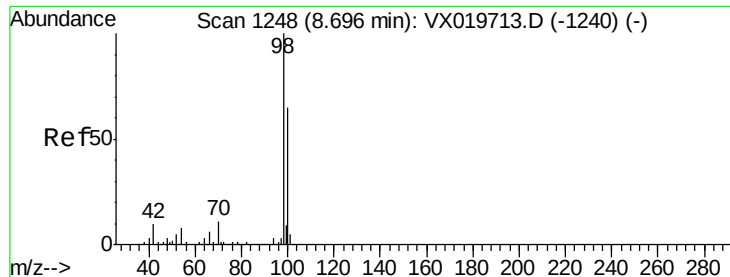
95 92.4 0.0 198.0



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

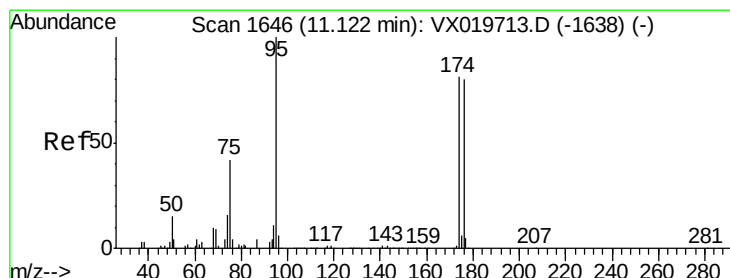
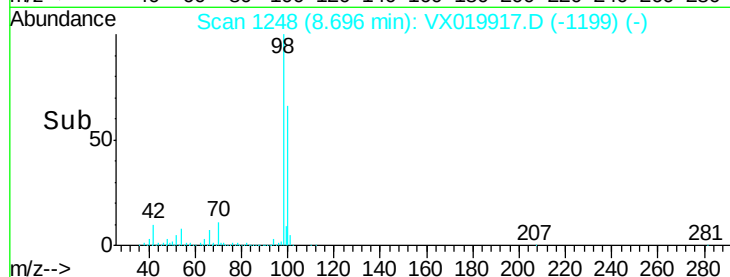
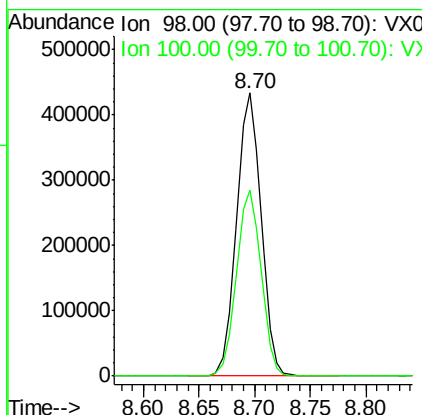
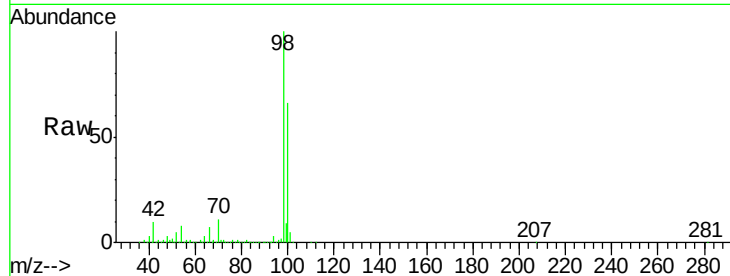




#50
Toluene-d8
Concen: 49.593 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019917.D
Acq: 12 Dec 2020 08:53

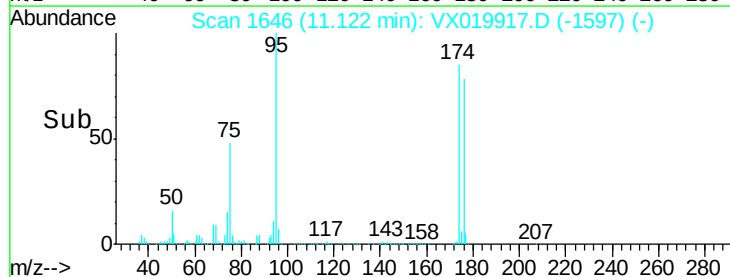
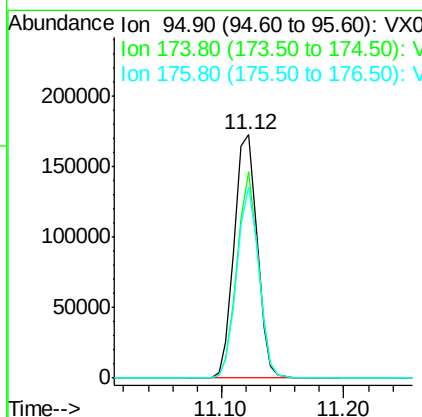
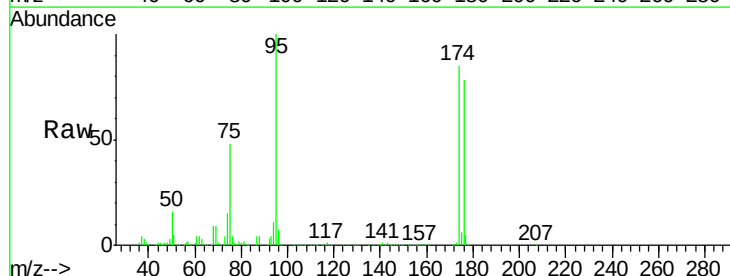
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-632-120920

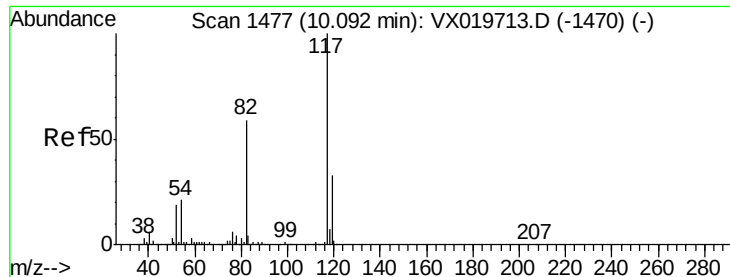
Tgt Ion: 98 Resp: 664479
Ion Ratio Lower Upper
98 100
100 65.9 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 43.795 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. 0.00 min
Lab File: VX019917.D
Acq: 12 Dec 2020 08:53

Tgt Ion: 95 Resp: 223341
Ion Ratio Lower Upper
95 100
174 78.7 0.0 154.6
176 75.3 0.0 155.8

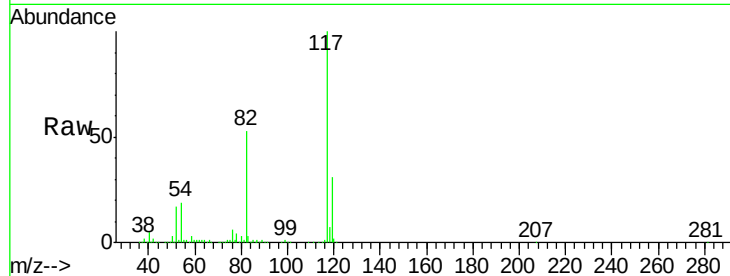




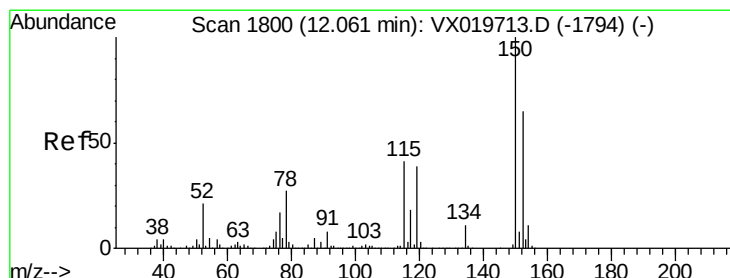
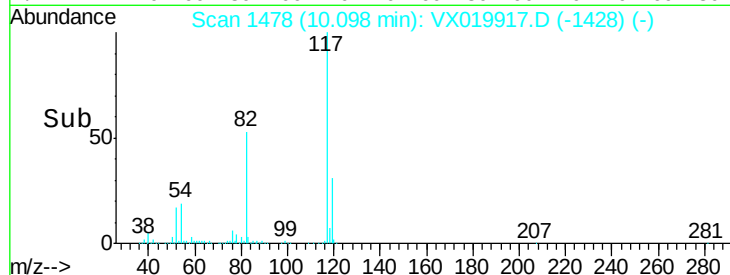
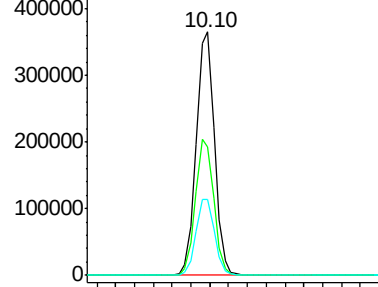
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.01 min
Lab File: VX019917.D
Acq: 12 Dec 2020 08:53

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-632-120920

Tgt Ion:117 Resp: 489991
Ion Ratio Lower Upper
117 100
82 52.9 47.4 71.2
119 31.2 26.6 39.8

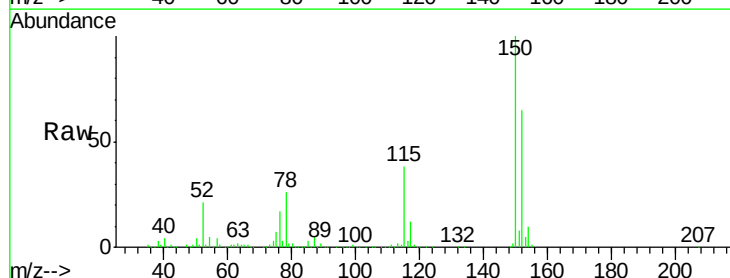


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

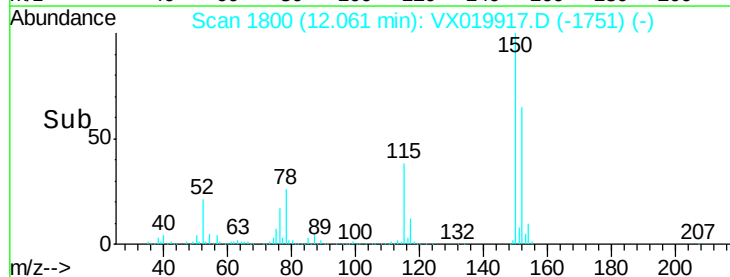
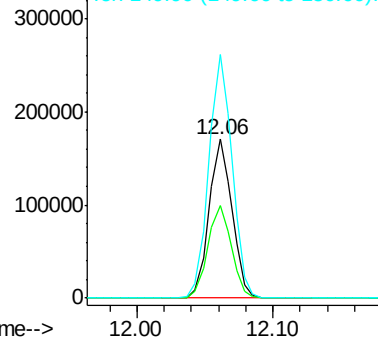


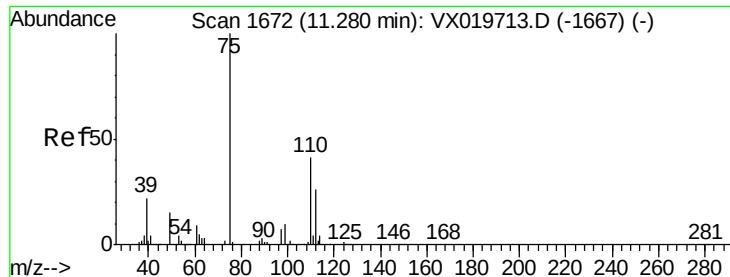
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019917.D
Acq: 12 Dec 2020 08:53

Tgt Ion:152 Resp: 200431
Ion Ratio Lower Upper
152 100
115 59.4 41.1 123.3
150 155.3 0.0 349.0



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: 23.855 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019917.D

Acq: 12 Dec 2020 08:53

Instrument :

MSVOA_X

ClientSampleId :

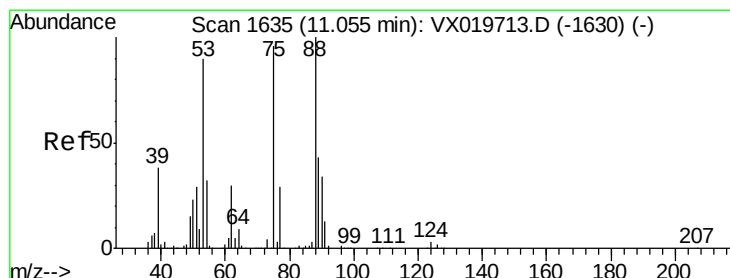
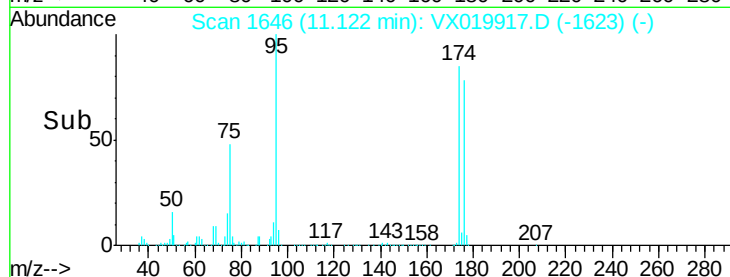
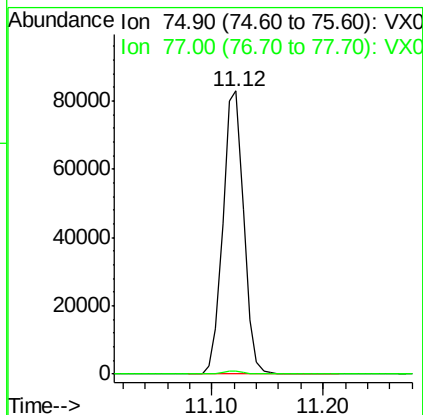
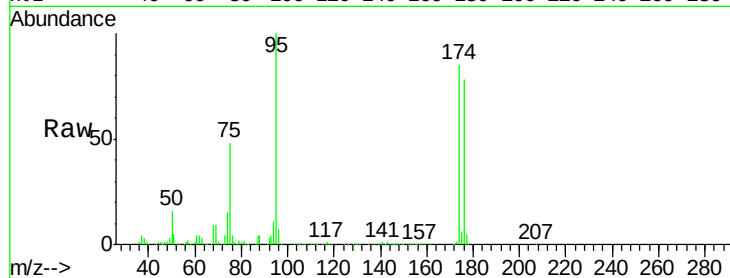
TU032-32-632-120920

Tgt Ion: 75 Resp: 107238

Ion Ratio Lower Upper

75 100

77 1.2 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 68.962 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.07 min

Lab File: VX019917.D

Acq: 12 Dec 2020 08:53

Tgt Ion: 75 Resp: 107238

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

