

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX120920\
 Data File : VX019804.D
 Acq On : 10 Dec 2020 02:38
 Operator : JC/MD
 Sample : L4993-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820

Quant Time: Dec 10 06:45:22 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	313551	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	517497	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	477771	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	206092	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	197842	48.01	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.02%
35) Dibromofluoromethane	5.46	113	158705	47.45	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.90%
50) Toluene-d8	8.70	98	619874	48.55	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.10%
62) 4-Bromofluorobenzene	11.12	95	223226	45.93	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	91.86%

Target Compounds

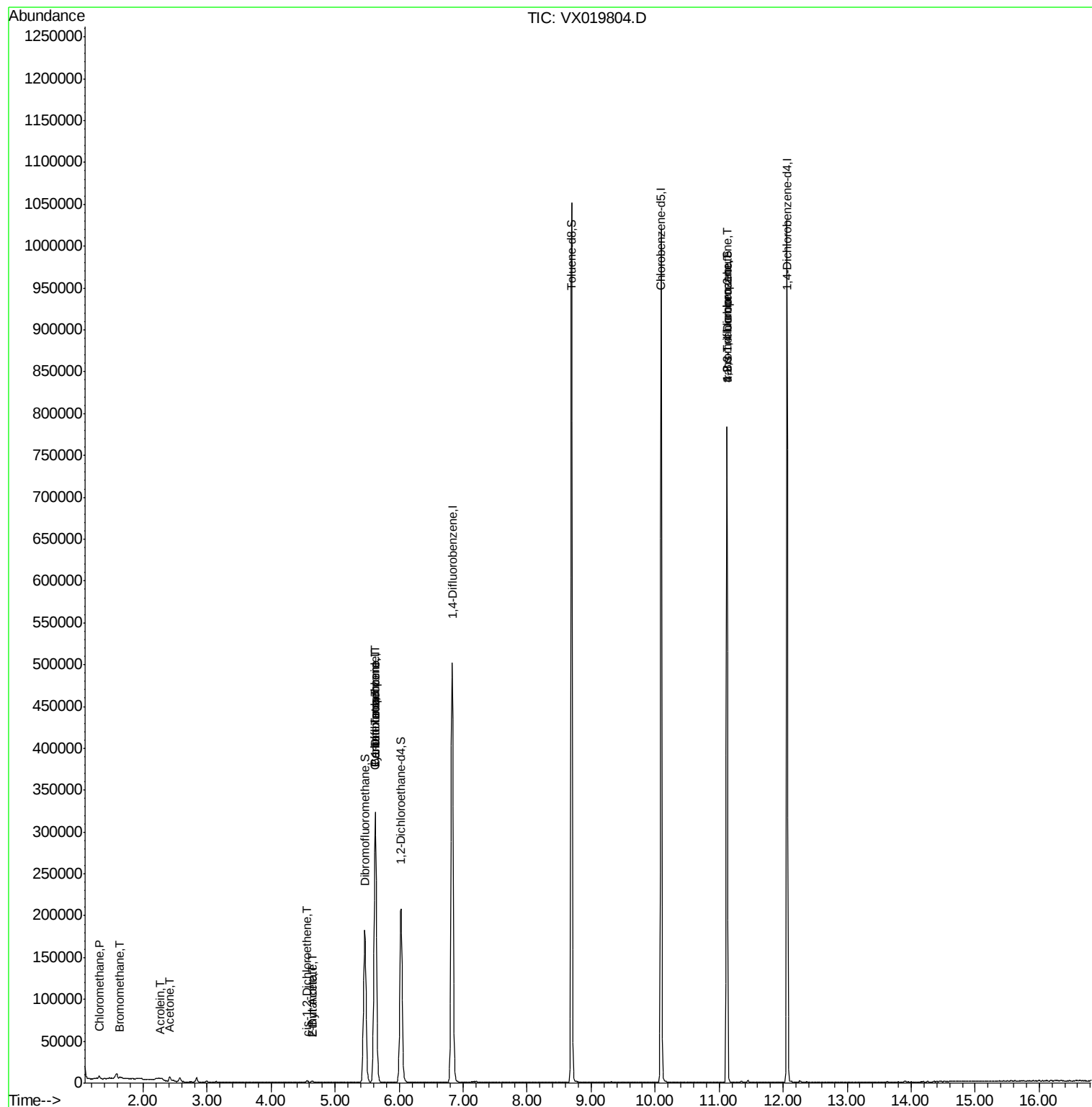
					Qvalue
3) Chloromethane	1.31	50	1114	0.330 ug/l	97
5) Bromomethane	1.64	94	792	0.670 ug/l #	72
11) Tert butyl alcohol	2.98	59	982	Below Cal #	73
13) Acrolein	2.27	56	137	0.301 ug/l #	1
16) Acetone	2.42	43	6050	3.906 ug/l	97
20) Methylene Chloride	2.84	84	2334	Below Cal #	89
25) 2-Butanone	4.64	43	1529	0.642 ug/l	92
27) cis-1,2-Dichloroethene	4.56	96	1080	0.276 ug/l	90
31) Cyclohexane	5.62	56	5951	1.161 ug/l #	1
36) 1,1-Dichloropropene	5.63	75	23491	5.023 ug/l #	48
37) Ethyl Acetate	4.64	43	1529	0.324 ug/l #	64
38) Carbon Tetrachloride	5.62	117	30090	6.571 ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	106707	23.085 ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	106707	66.735 ug/l #	12

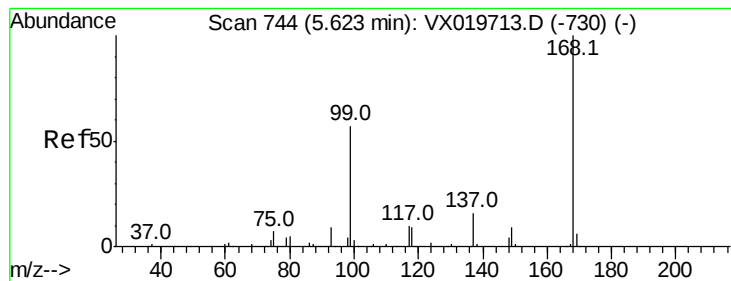
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.63 min Scan# 745

Delta R.T. 0.01 min

Lab File: VX019804.D

Acq: 10 Dec 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

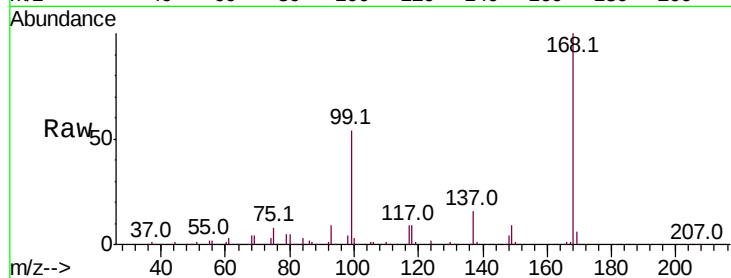
TU032-32-5226-120820

Tot Ion:168 Resp: 313551

Ion Ratio Lower Upper

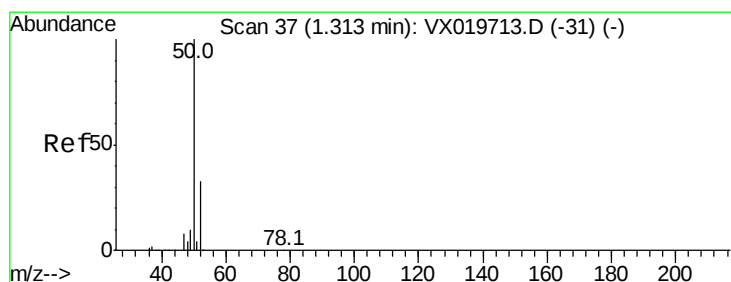
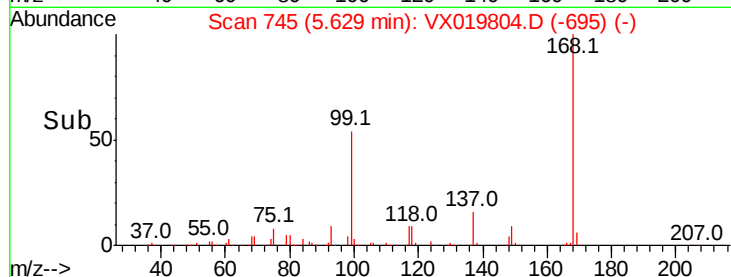
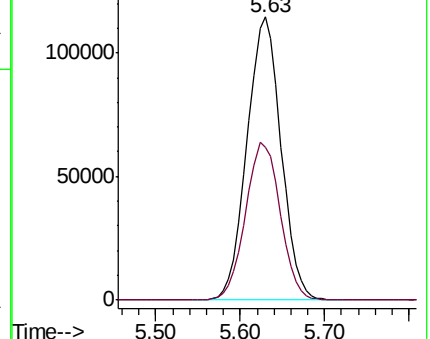
168 100

99 53.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#3

Chloromethane

Concen: 0.330 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX019804.D

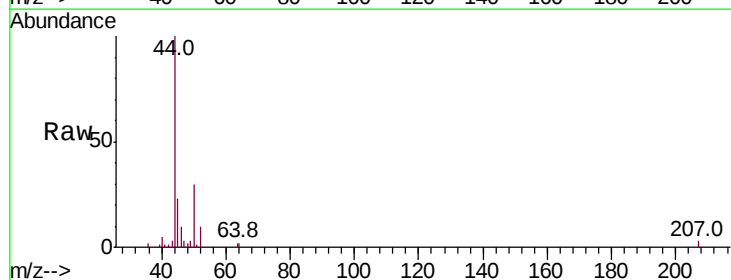
Acq: 10 Dec 2020 02:38

Tgt Ion: 50 Resp: 1114

Ion Ratio Lower Upper

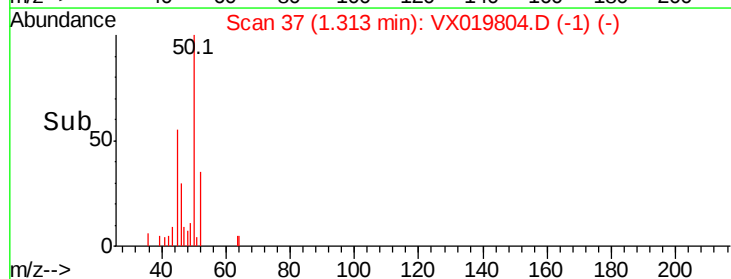
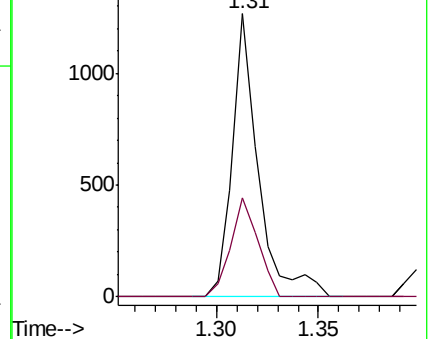
50 100

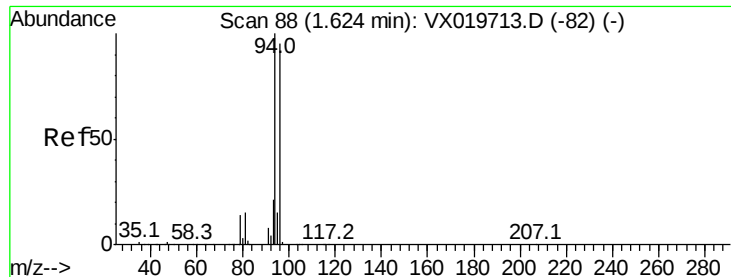
52 34.8 26.4 39.6



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0





#5

Bromomethane

Concen: 0.670 ug/l

RT: 1.64 min Scan# 90

Delta R.T. 0.01 min

Lab File: VX019804.D

Acq: 10 Dec 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

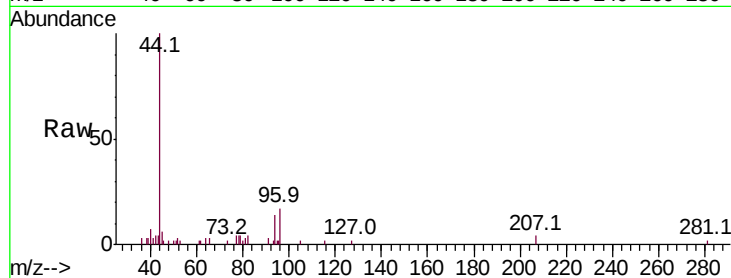
TU032-32-5226-120820

Tot Ion: 94 Resp: 792

Ion Ratio Lower Upper

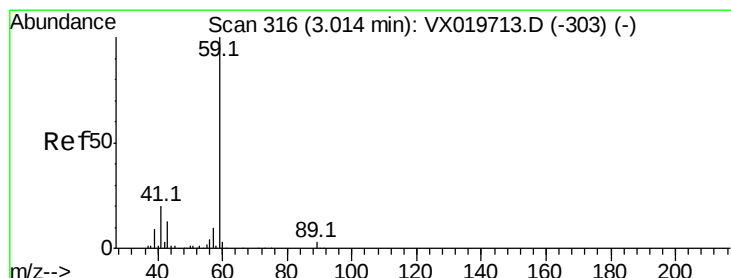
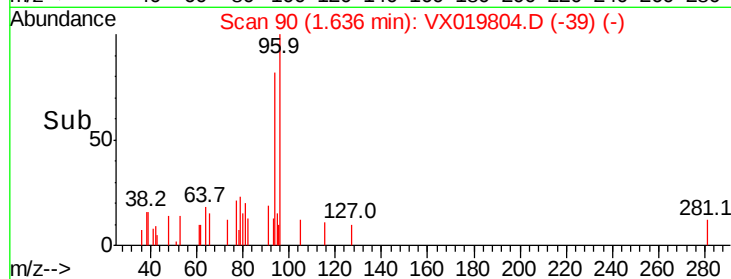
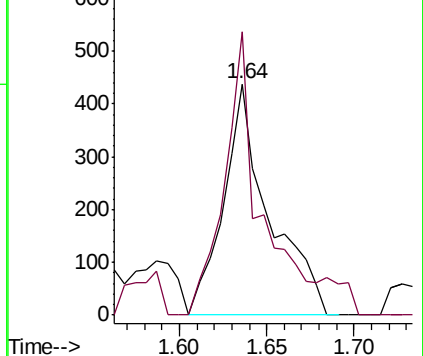
94 100

96 122.4 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: 2.98 min Scan# 311

Delta R.T. -0.03 min

Lab File: VX019804.D

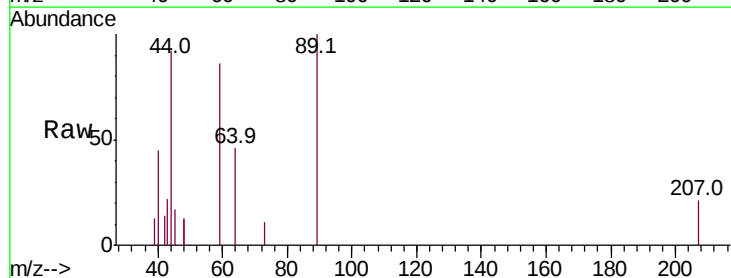
Acq: 10 Dec 2020 02:38

Tgt Ion: 59 Resp: 982

Ion Ratio Lower Upper

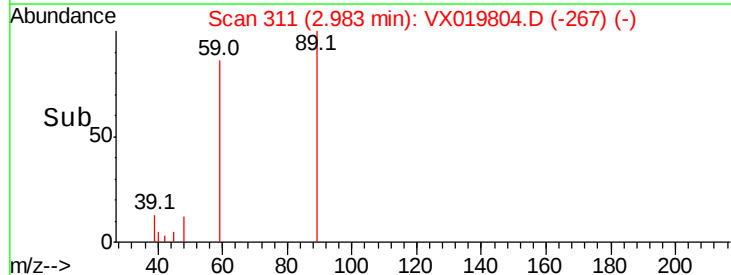
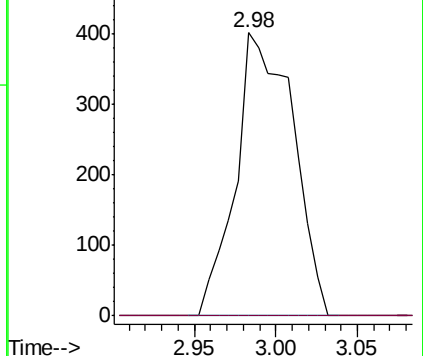
59 100

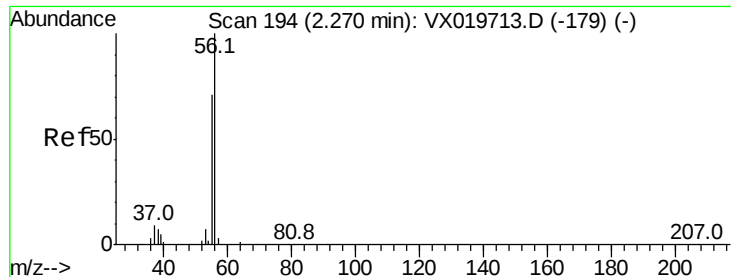
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.301 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019804.D

Acq: 10 Dec 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

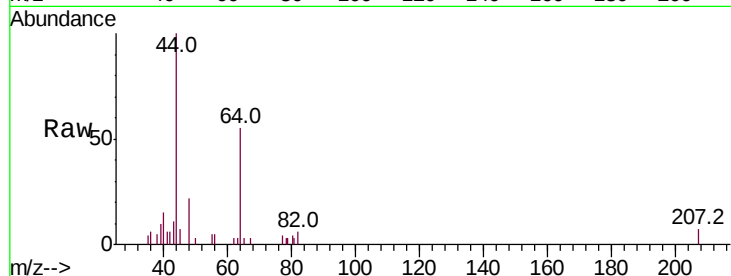
TU032-32-5226-120820

Tot Ion: 56 Resp: 137

Ion Ratio Lower Upper

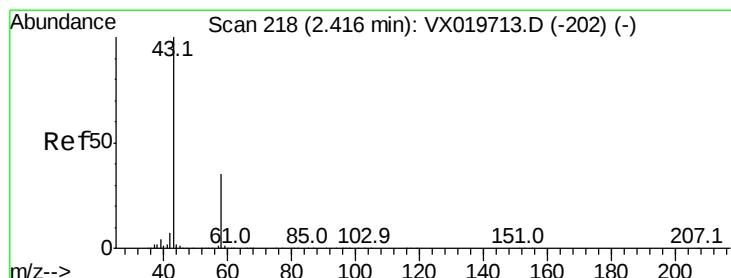
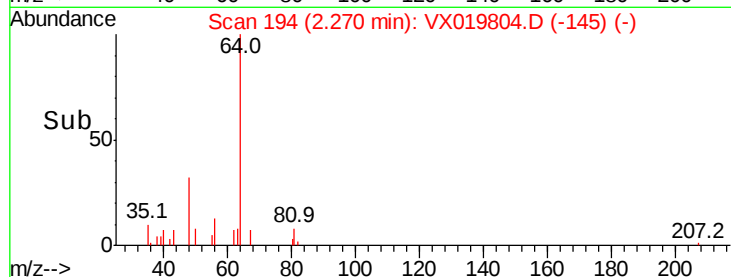
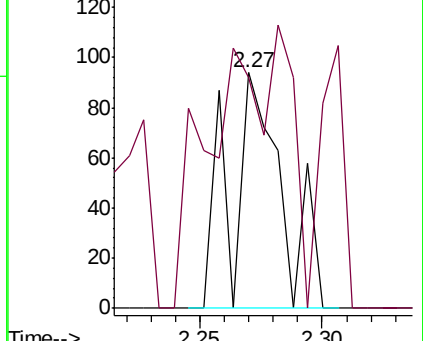
56 100

55 179.6 56.4 84.6#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 55.00 (54.70 to 55.70): VX0



#16

Acetone

Concen: 3.906 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019804.D

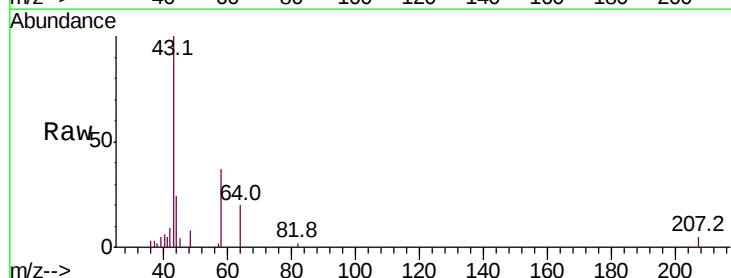
Acq: 10 Dec 2020 02:38

Tgt Ion: 43 Resp: 6050

Ion Ratio Lower Upper

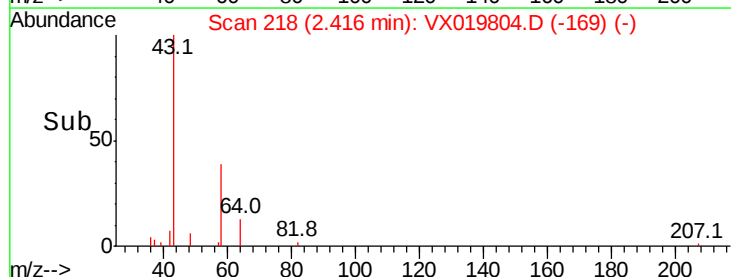
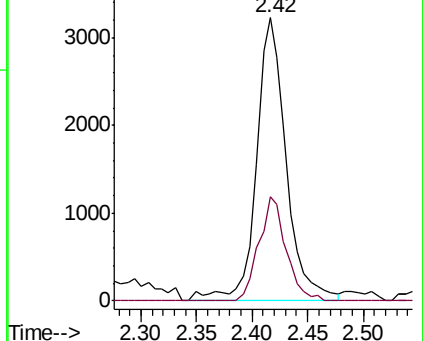
43 100

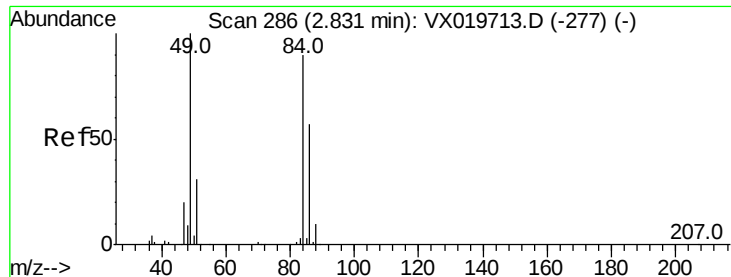
58 36.7 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

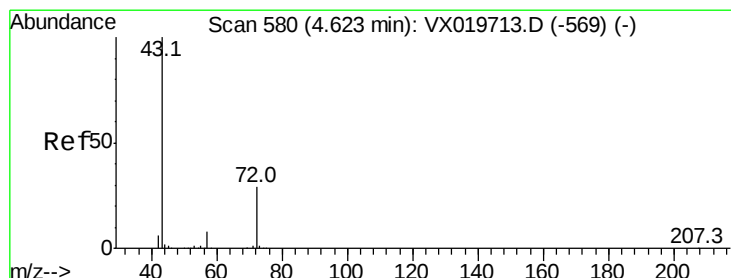
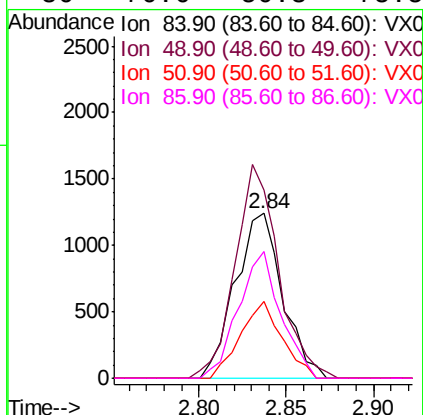
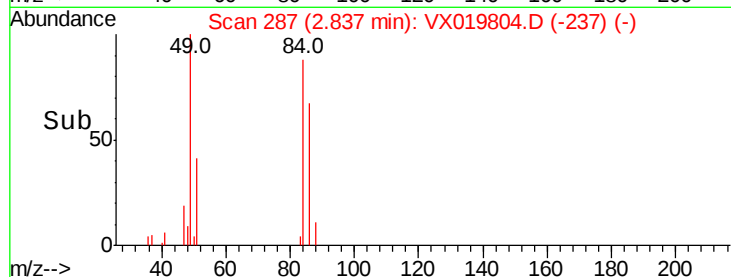
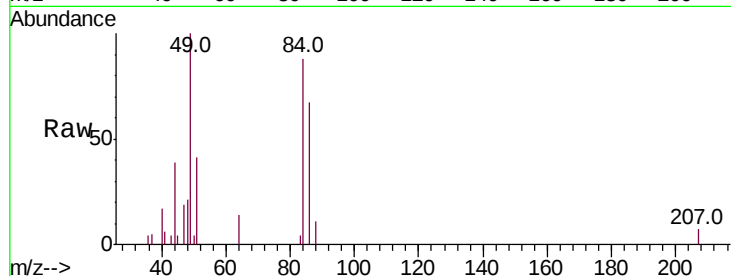




#20
Methvlene Chloride
Concen: Below Cal
RT: 2.84 min Scan# 287
Delta R.T. 0.01 min
Lab File: VX019804.D
Acq: 10 Dec 2020 02:38

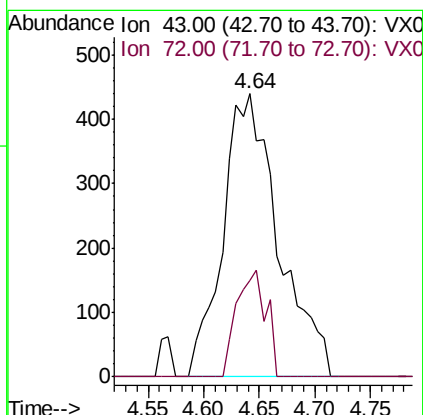
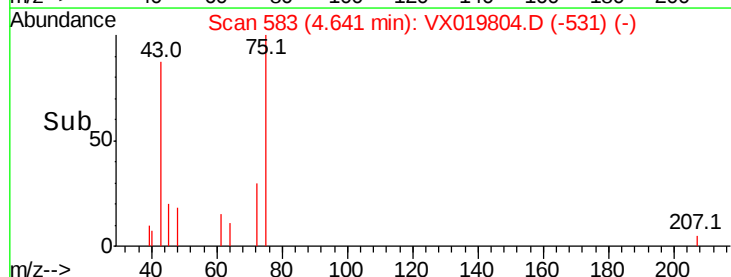
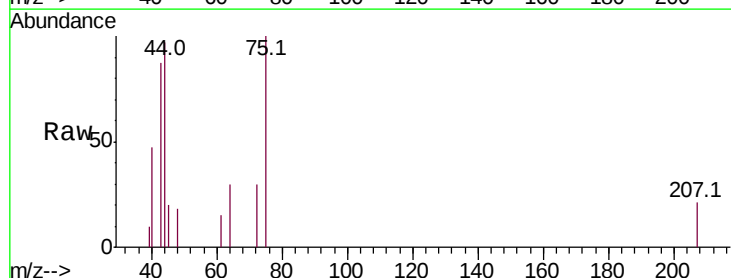
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820

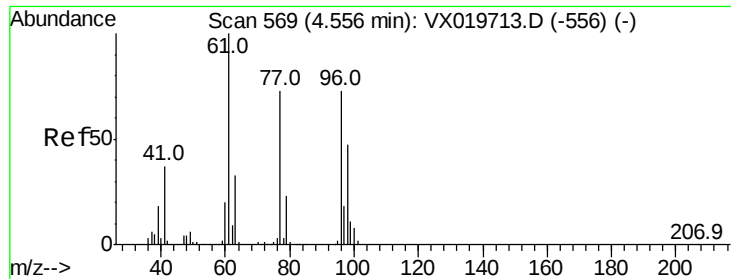
Tot Ion: 84 Resp: 2334
Ion Ratio Lower Upper
84 100
49 113.9 88.6 132.8
51 46.9 27.0 40.6#
86 76.6 50.3 75.5#



#25
2-Butanone
Concen: 0.642 ug/l
RT: 4.64 min Scan# 583
Delta R.T. 0.02 min
Lab File: VX019804.D
Acq: 10 Dec 2020 02:38

Tgt Ion: 43 Resp: 1529
Ion Ratio Lower Upper
43 100
72 33.9 23.7 35.5



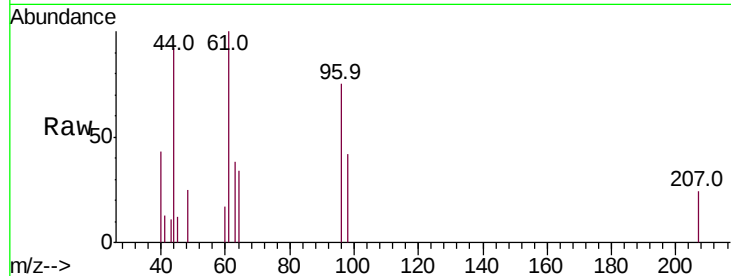


#27

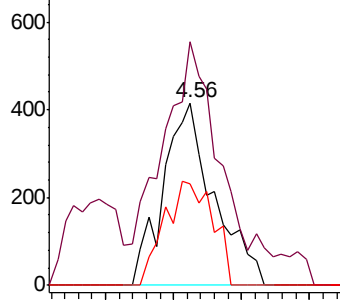
cis-1,2-Dichloroethene
 Concen: 0.276 ug/l
 RT: 4.56 min Scan# 570
 Delta R.T. 0.01 min
 Lab File: VX019804.D
 Acq: 10 Dec 2020 02:38

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-5226-120820

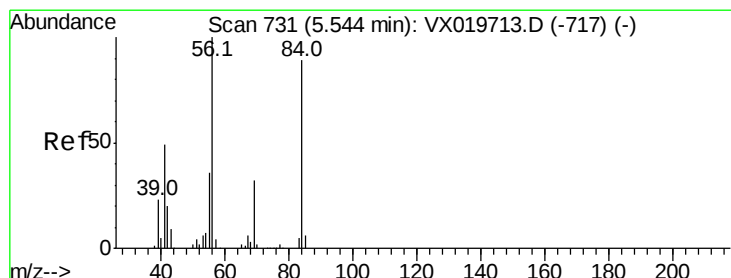
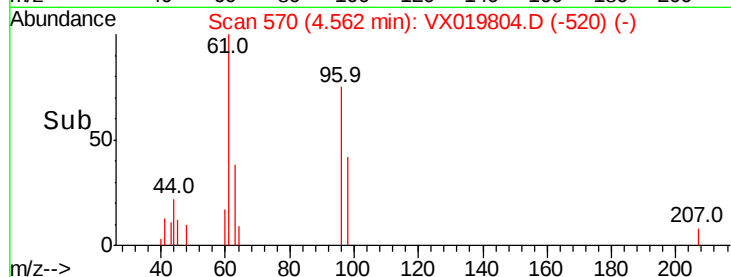
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.0	0.0	285.6
98	54.5	0.0	129.6



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



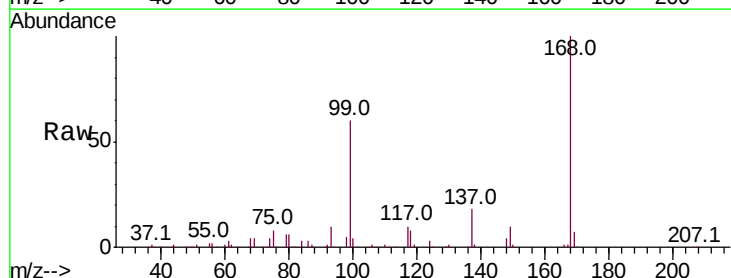
Time-->



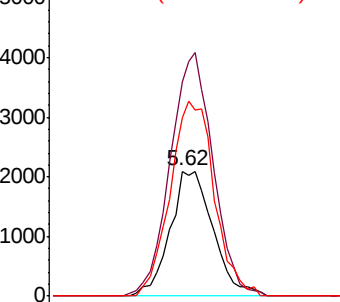
#31

Cyclohexane
 Concen: 1.161 ug/l
 RT: 5.62 min Scan# 743
 Delta R.T. 0.07 min
 Lab File: VX019804.D
 Acq: 10 Dec 2020 02:38

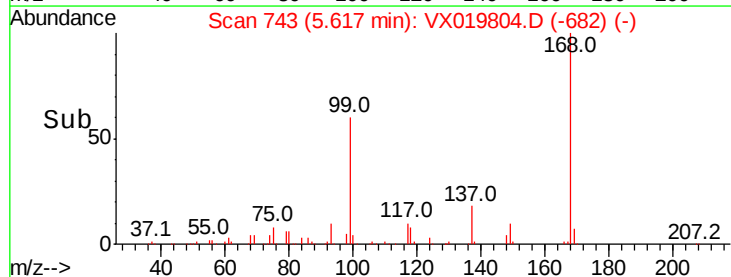
Tgt Ion	Ratio	Lower	Upper
56	100		
69	171.0	25.3	37.9#
84	142.2	71.4	107.0#

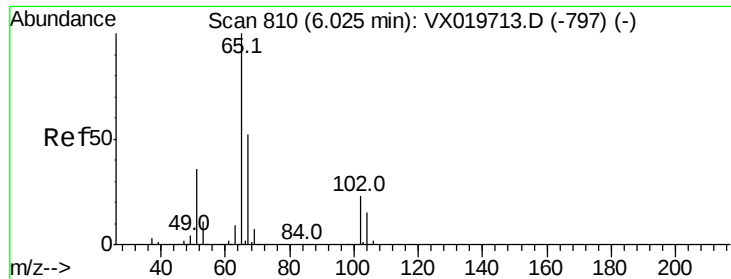


Abundance Ion 56.00 (55.70 to 56.70): VX0
 Ion 69.00 (68.70 to 69.70): VX0
 Ion 84.00 (83.70 to 84.70): VX0



Time-->

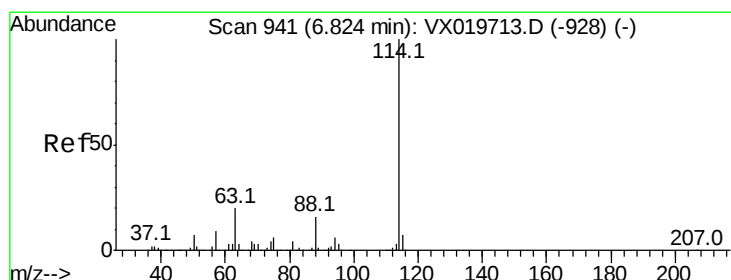
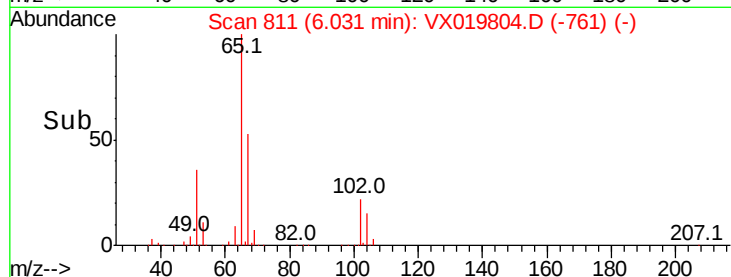
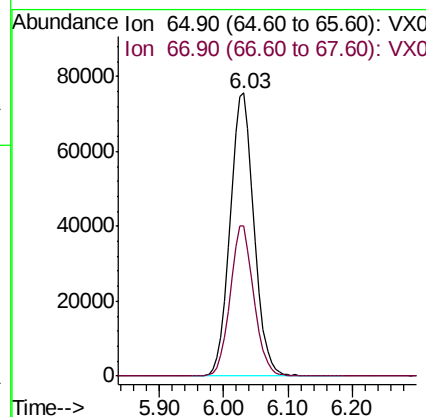
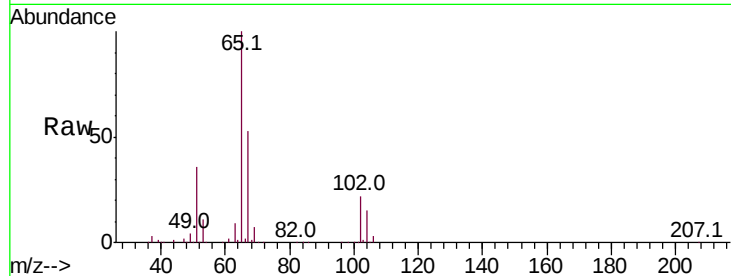




#33
 1,2-Dichloroethane-d4
 Concen: 48.008 ug/l
 RT: 6.03 min Scan# 811
 Delta R.T. 0.01 min
 Lab File: VX019804.D
 Acq: 10 Dec 2020 02:38

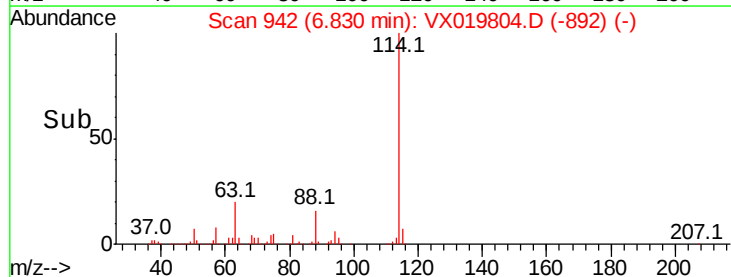
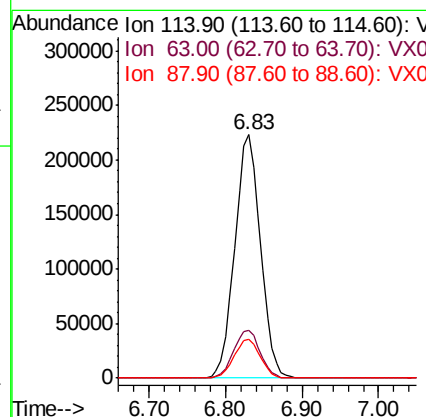
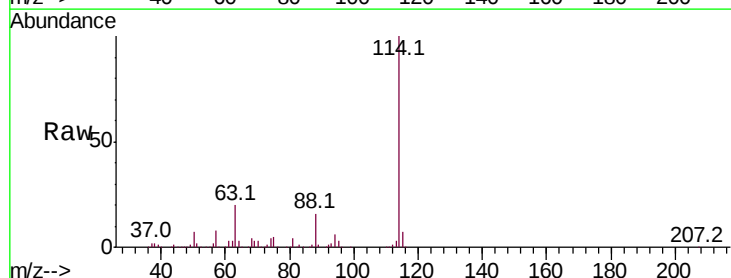
Instrument :
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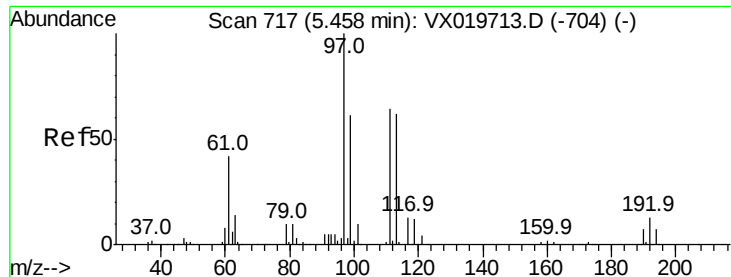
Tot Ion: 65 Resp: 197842
 Ion Ratio Lower Upper
 65 100
 67 52.6 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019804.D
 Acq: 10 Dec 2020 02:38

Tgt Ion: 114 Resp: 517497
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 40.8
 88 15.8 0.0 32.8

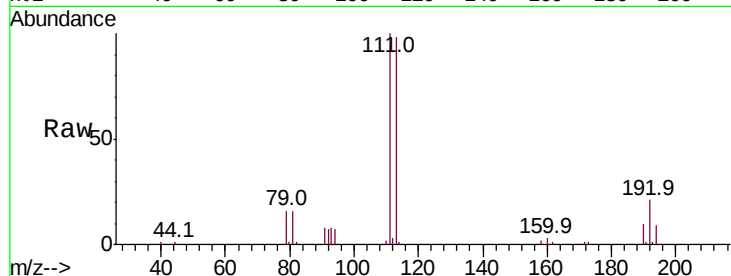




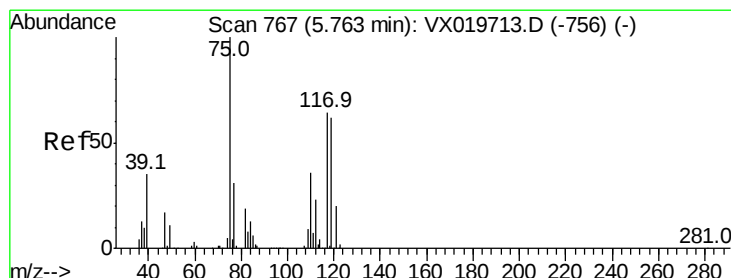
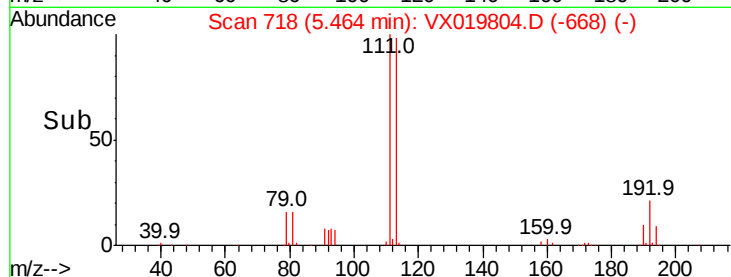
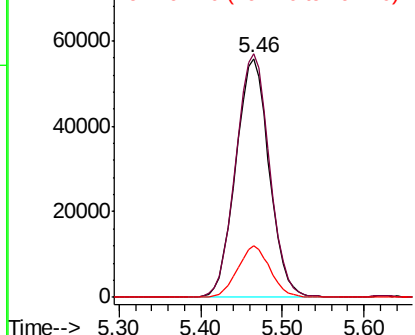
#35
Dibromofluoromethane
Concen: 47.452 ug/l
RT: 5.46 min Scan# 718
Delta R.T. 0.01 min
Lab File: VX019804.D
Acq: 10 Dec 2020 02:38

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820

Tot Ion:113 Resp: 158705
Ion Ratio Lower Upper
113 100
111 102.9 81.9 122.9
192 20.9 16.7 25.1

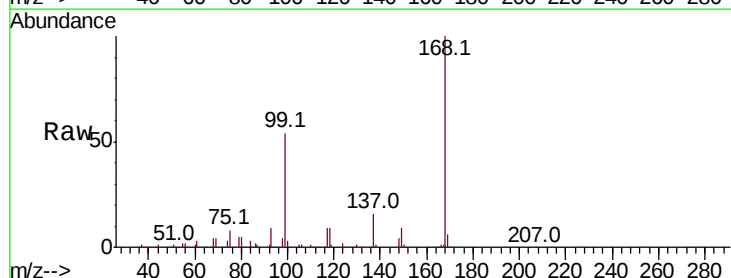


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

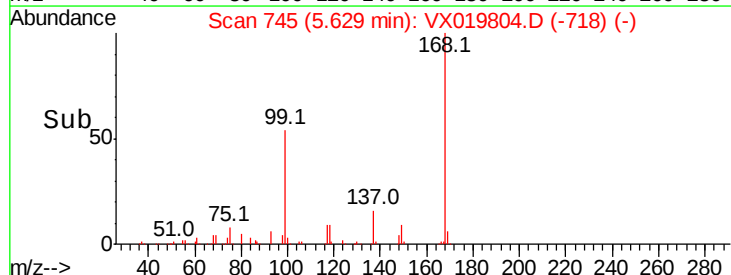
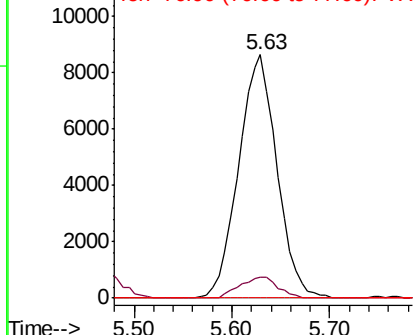


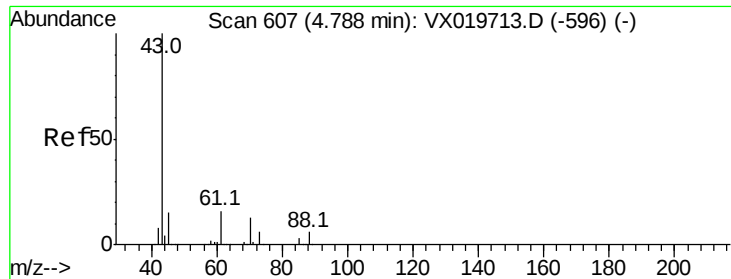
#36
1,1-Dichloropropene
Concen: 5.023 ug/l
RT: 5.63 min Scan# 745
Delta R.T. -0.13 min
Lab File: VX019804.D
Acq: 10 Dec 2020 02:38

Tgt Ion: 75 Resp: 23491
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.4#
77 0.0 25.3 37.9#



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

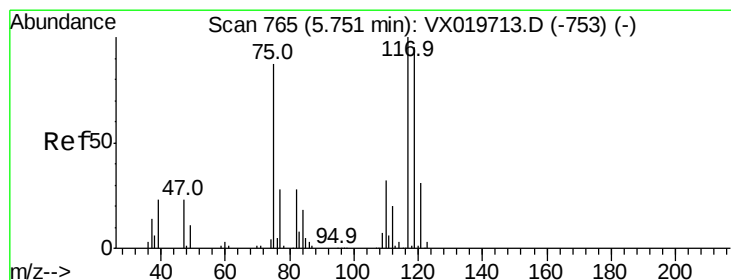
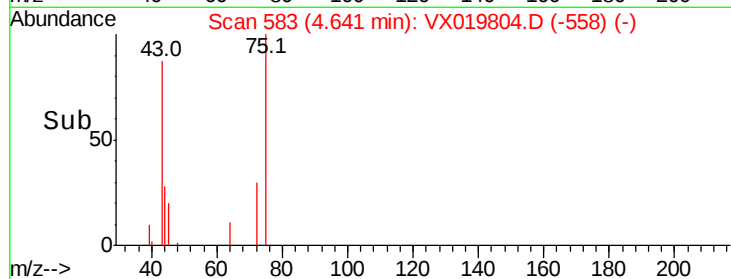
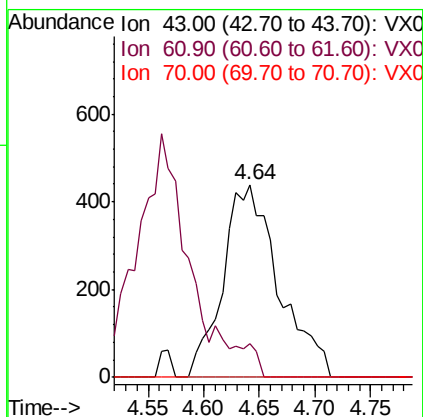
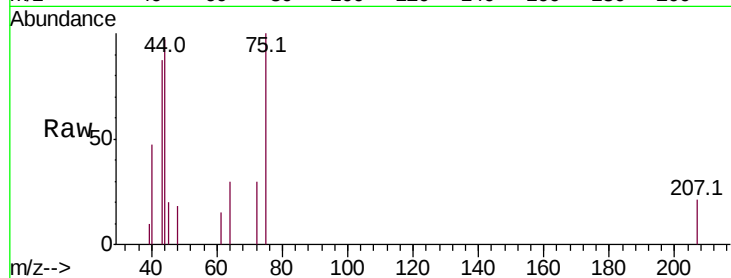




#37
Ethyl Acetate
Concen: 0.324 ug/l
RT: 4.64 min Scan# 583
Delta R.T. -0.15 min
Lab File: VX019804.D
Acq: 10 Dec 2020 02:38

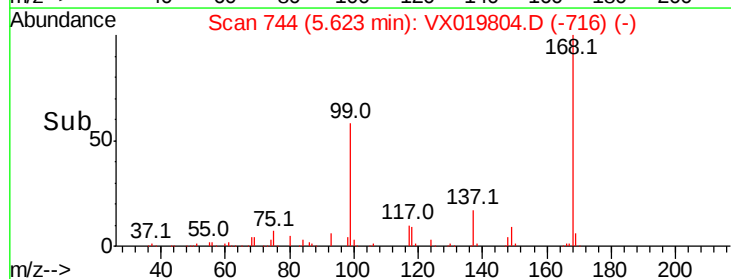
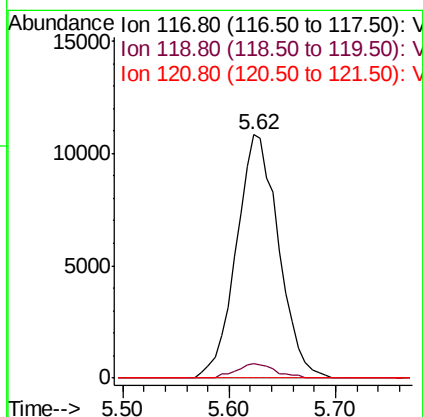
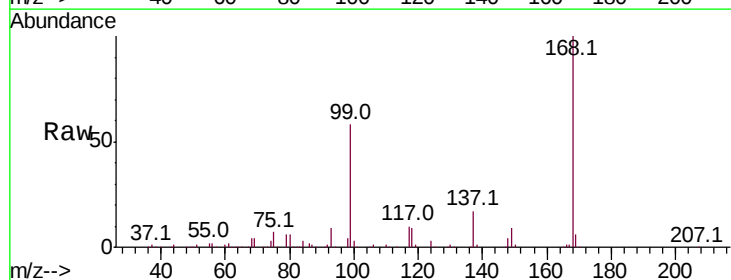
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820

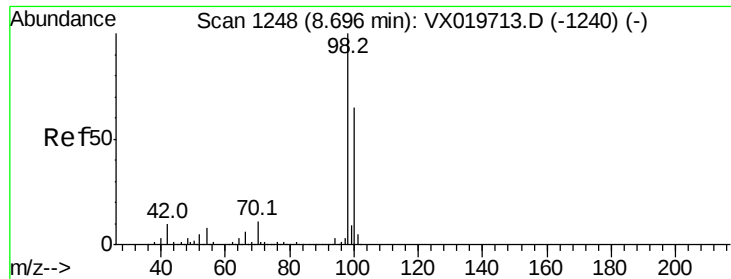
Tot Ion: 43 Resp: 1529
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 10.5 15.7#



#38
Carbon Tetrachloride
Concen: 6.571 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX019804.D
Acq: 10 Dec 2020 02:38

Tgt Ion: 117 Resp: 30090
Ion Ratio Lower Upper
117 100
119 6.1 76.2 114.2#
121 0.0 24.8 37.2#





#50

Toluene-d8

Concen: 48.547 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX019804.D

Acq: 10 Dec 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

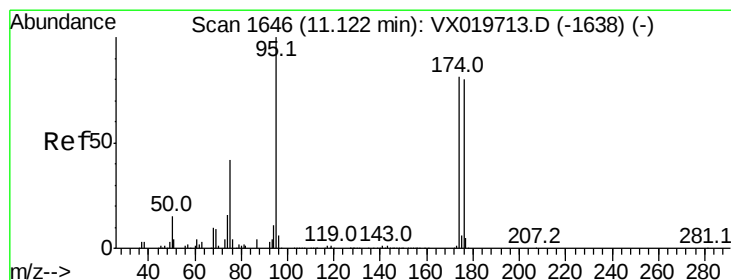
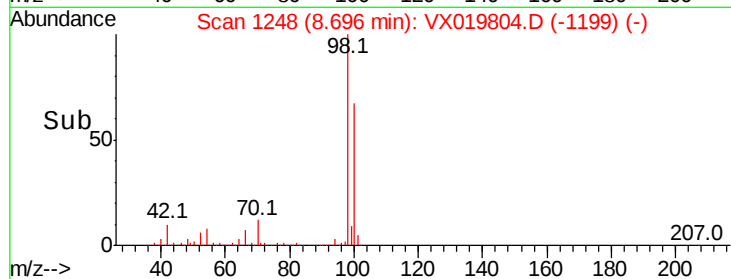
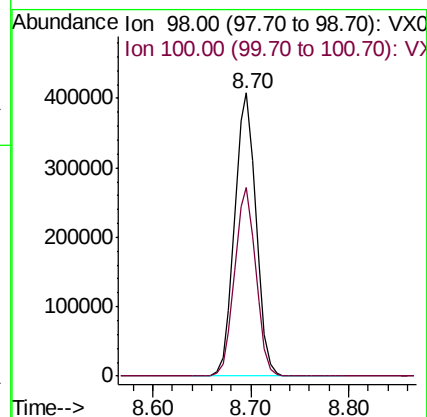
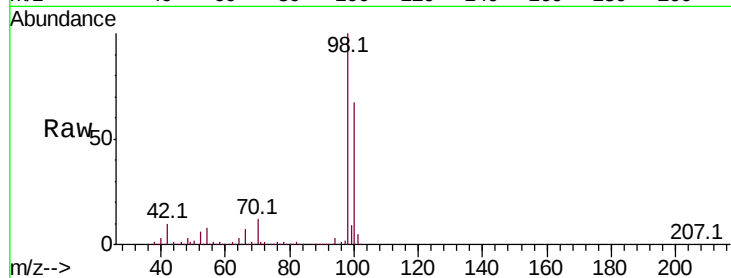
TU032-32-5226-120820

Tot Ion: 98 Resp: 619874

Ion Ratio Lower Upper

98 100

100 66.0 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 45.933 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019804.D

Acq: 10 Dec 2020 02:38

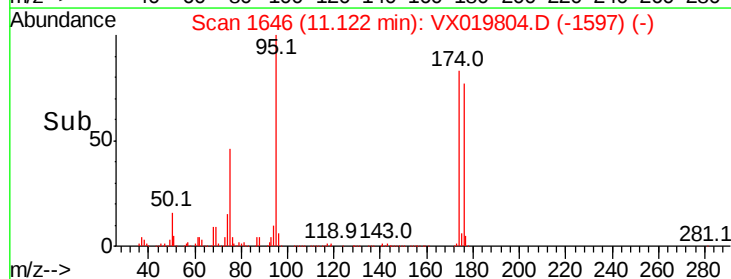
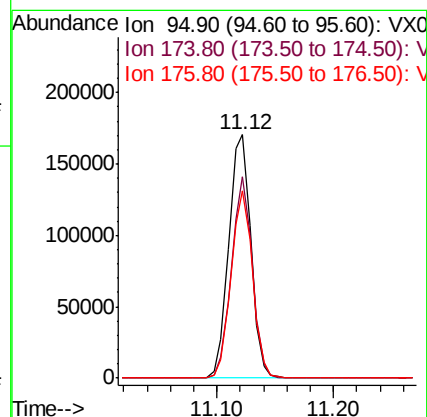
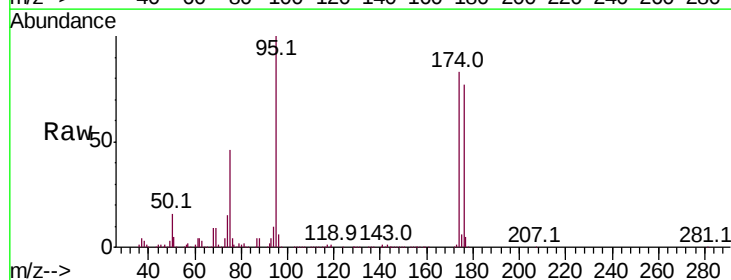
Tgt Ion: 95 Resp: 223226

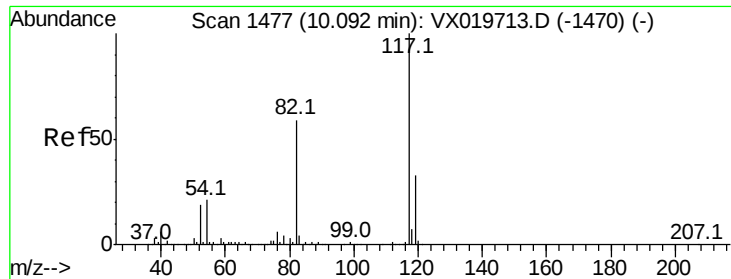
Ion Ratio Lower Upper

95 100

174 78.5 0.0 154.6

176 74.9 0.0 155.8

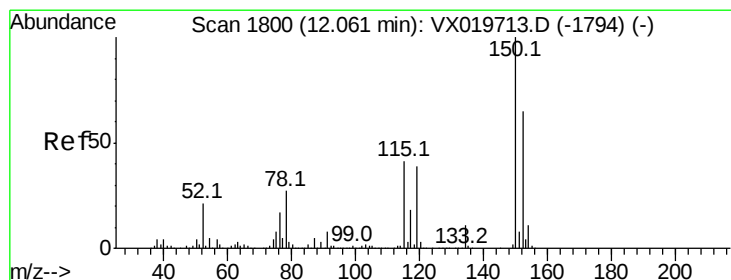
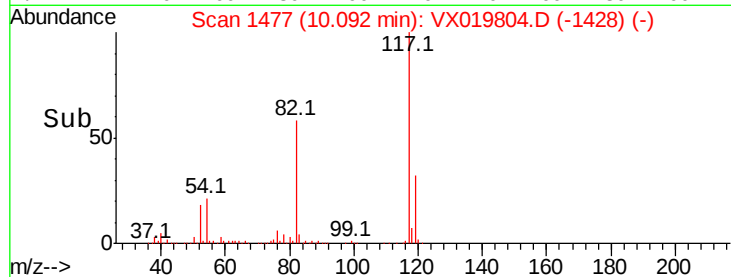
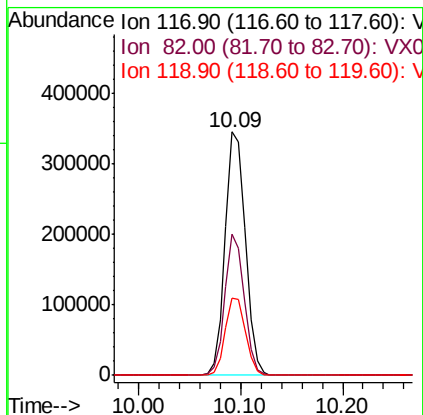
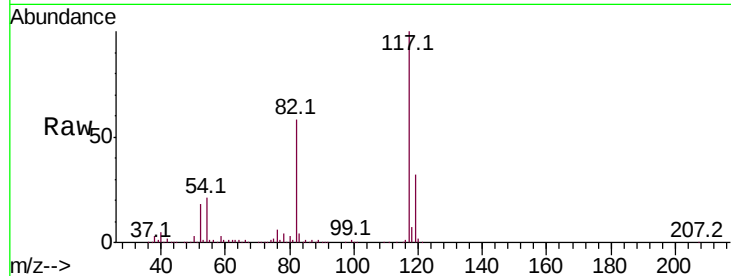




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.09 min Scan# 1477
Delta R.T. 0.00 min
Lab File: VX019804.D
Acq: 10 Dec 2020 02:38

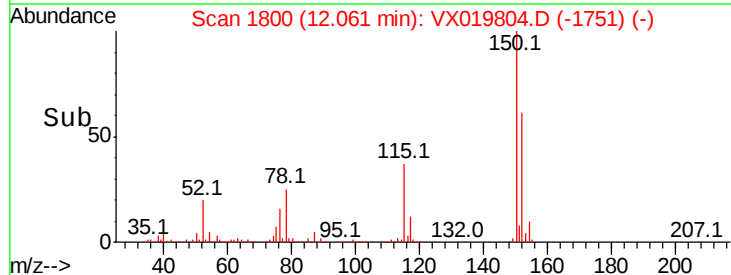
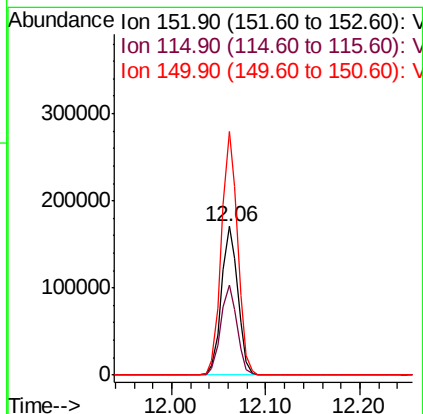
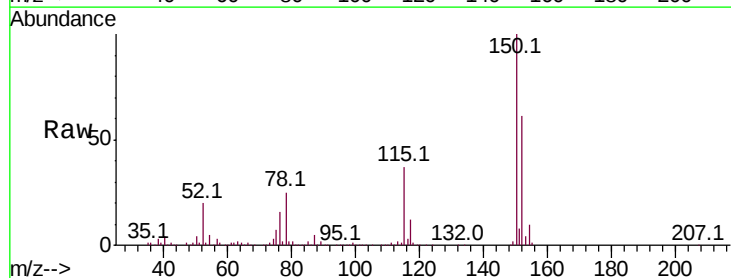
Instrument :
MSVOA_X
ClientSampleId :
TU032-32-5226-120820

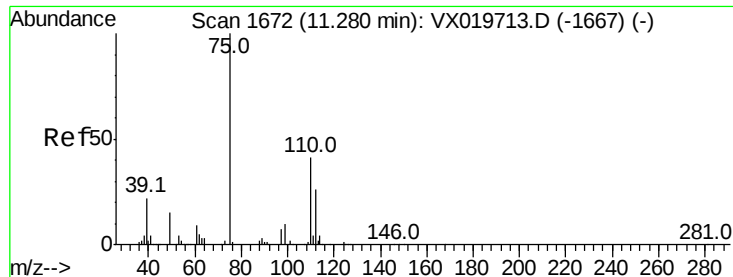
Tot Ion:117 Resp: 477771
Ion Ratio Lower Upper
117 100
82 58.0 47.4 71.2
119 31.7 26.6 39.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX019804.D
Acq: 10 Dec 2020 02:38

Tgt Ion:152 Resp: 206092
Ion Ratio Lower Upper
152 100
115 60.2 41.1 123.3
150 161.3 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 23.085 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019804.D

Acq: 10 Dec 2020 02:38

Instrument :

MSVOA_X

ClientSampleId :

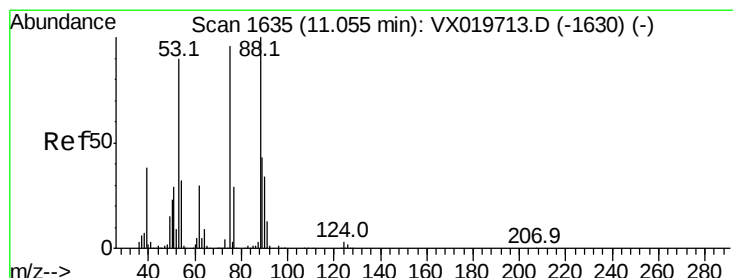
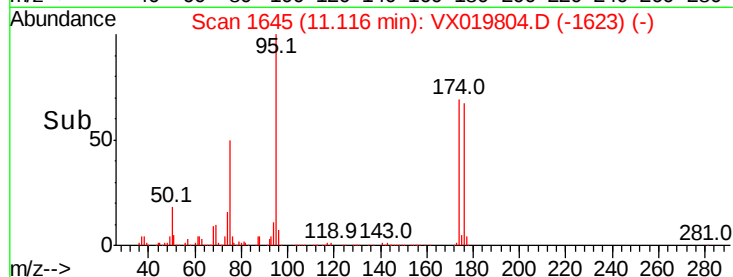
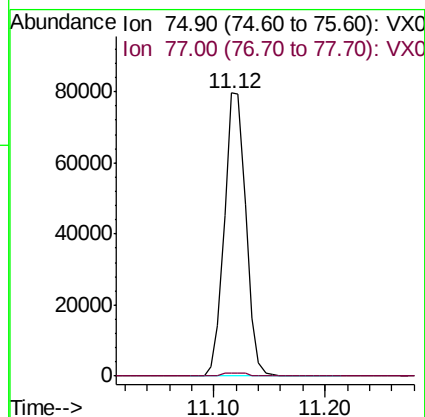
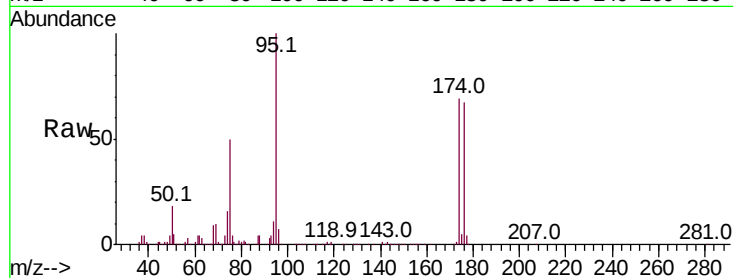
TU032-32-5226-120820

Tot Ion: 75 Resp: 106707

Ion Ratio Lower Upper

75 100

77 1.3 19.1 57.5#



#81

trans-1,4-Dichloro-2-butene

Concen: 66.735 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019804.D

Acq: 10 Dec 2020 02:38

Tgt Ion: 75 Resp: 106707

Ion Ratio Lower Upper

75 100

53 0.0 74.5 111.7#

89 0.0 37.9 56.9#

