

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX121420\
 Data File : VX019979.D
 Acq On : 14 Dec 2020 12:22
 Operator : JC/MD
 Sample : L5052-15
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TU032-32-TB-121020

Quant Time: Dec 15 00:21:55 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	318079	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	519379	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.09	117	476885	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	208593	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.03	65	196852	47.09	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	94.18%		
35) Dibromofluoromethane	5.46	113	160373	47.78	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	95.56%		
50) Toluene-d8	8.70	98	634597	49.52	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	99.04%		
62) 4-Bromofluorobenzene	11.12	95	221693	45.45	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	90.90%		

Target Compounds

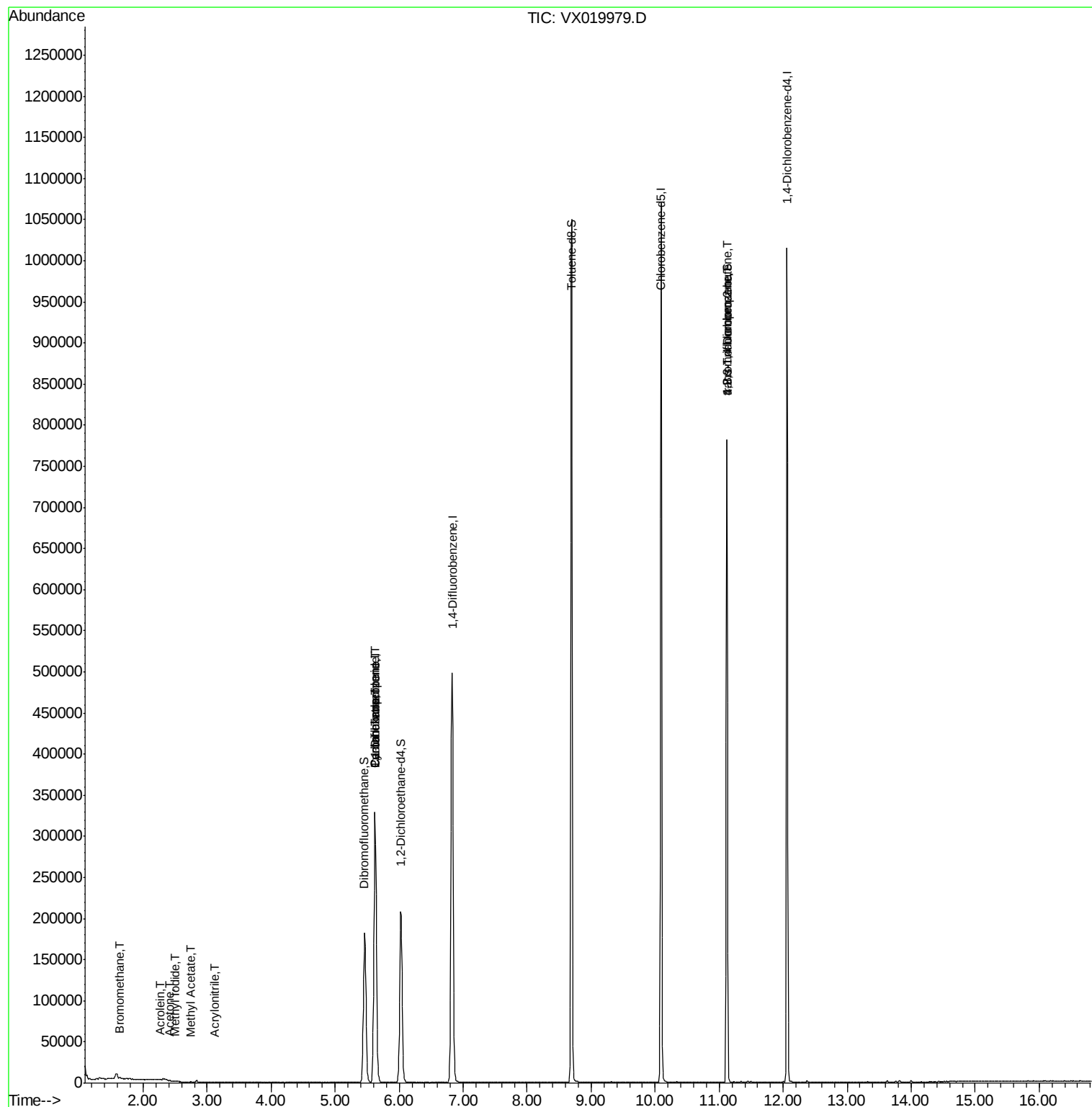
					Qvalue	
5) Bromomethane	1.63	94	467	0.389	ug/l #	74
10) Methyl Iodide	2.49	142	922	0.217	ug/l #	97
11) Tert butyl alcohol	3.00	59	287	Below Cal	#	73
13) Acrolein	2.27	56	242	0.524	ug/l #	2
15) Acrylonitrile	3.12	53	471	0.249	ug/l	92
16) Acetone	2.42	43	959	0.610	ug/l	94
18) Methyl Acetate	2.75	43	1029	0.268	ug/l #	68
20) Methylene Chloride	2.83	84	1048	Below Cal		92
31) Cyclohexane	5.62	56	6190	1.190	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	23882	5.089	ug/l #	48
38) Carbon Tetrachloride	5.62	117	30532	6.643	ug/l #	17
76) 1,2,3-Trichloropropane	11.12	75	106635	22.793	ug/l #	39
81) trans-1,4-Dichloro-2-buten	11.12	75	106635	65.891	ug/l #	12

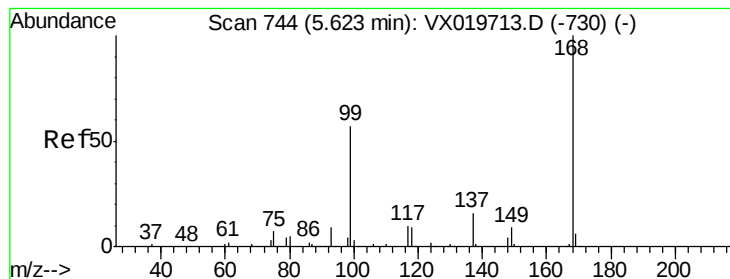
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX019979.D

Acq: 14 Dec 2020 12:22

Instrument :

MSVOA_X

ClientSampleId :

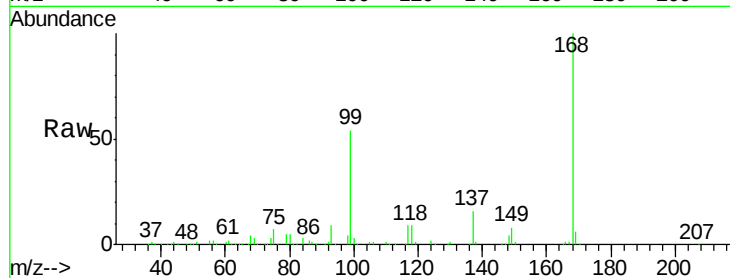
TU032-32-TB-121020

Tgt Ion:168 Resp: 318079

Ion Ratio Lower Upper

168 100

99 53.6 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

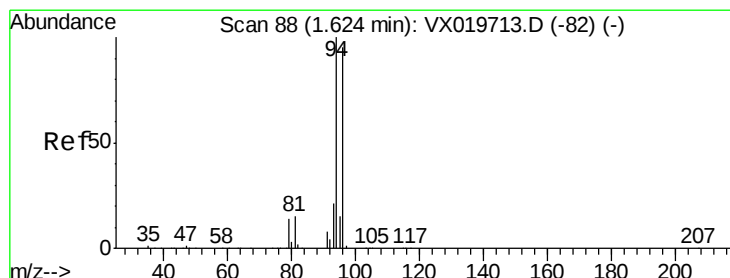
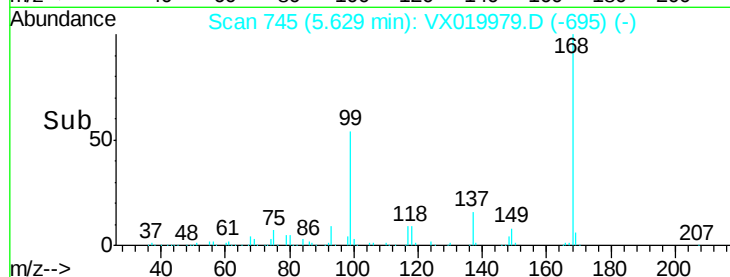
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#5

Bromomethane

Concen: 0.389 ug/l

RT: 1.63 min Scan# 89

Delta R.T. 0.01 min

Lab File: VX019979.D

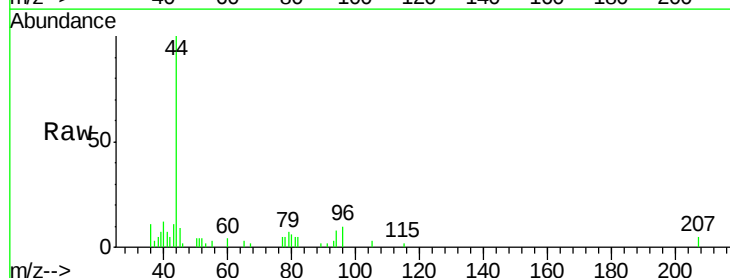
Acq: 14 Dec 2020 12:22

Tgt Ion: 94 Resp: 467

Ion Ratio Lower Upper

94 100

96 121.0 76.4 114.6#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0

300

250

200

150

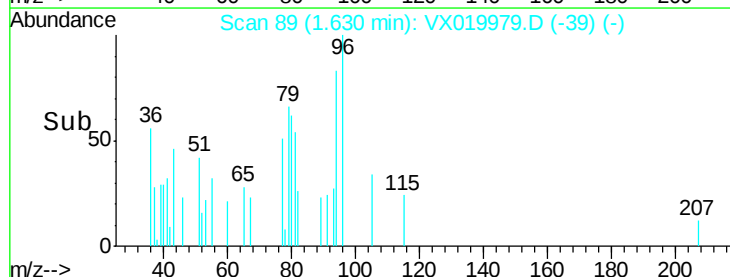
100

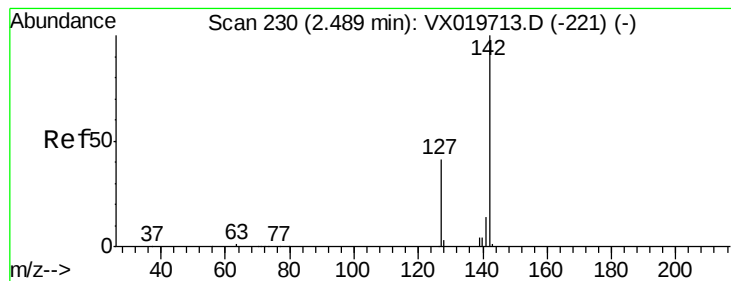
50

0

Time-->

1.60 1.65





#10

Methyl Iodide

Concen: 0.217 ug/l

RT: 2.49 min Scan# 230

Delta R.T. 0.00 min

Lab File: VX019979.D

Acq: 14 Dec 2020 12:22

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-TB-121020

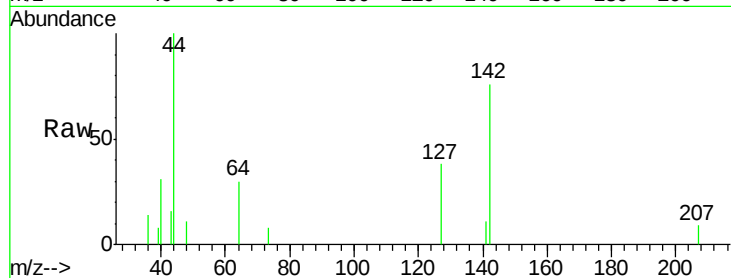
Tgt Ion: 142 Resp: 922

Ion Ratio Lower Upper

142 100

127 41.2 33.3 49.9

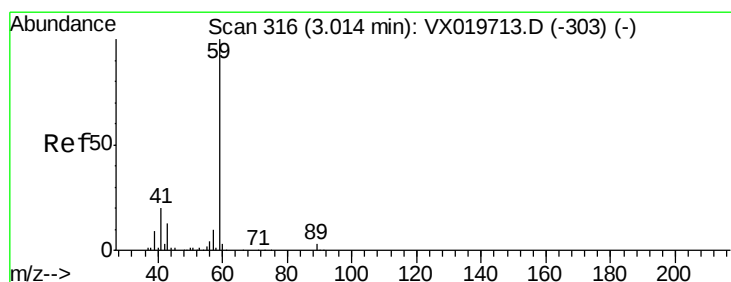
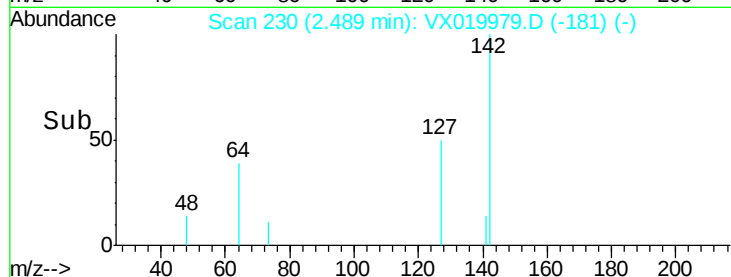
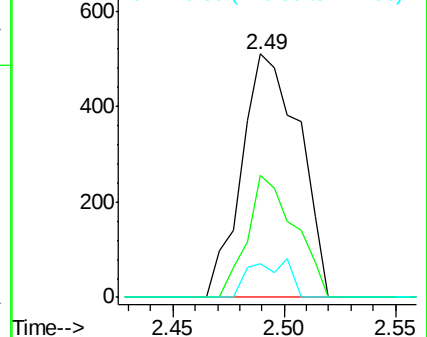
141 10.7 11.4 17.0#



Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



#11

Tert butyl alcohol

Concen: Below Cal

RT: 3.00 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX019979.D

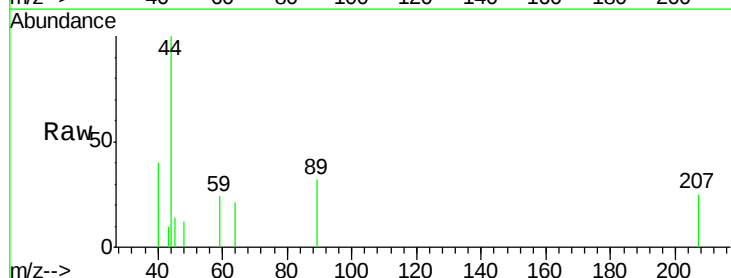
Acq: 14 Dec 2020 12:22

Tgt Ion: 59 Resp: 287

Ion Ratio Lower Upper

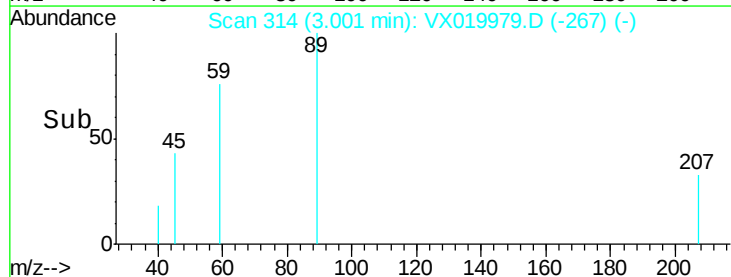
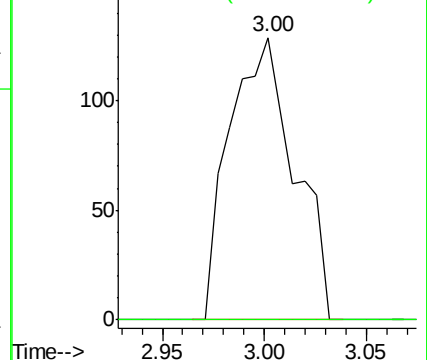
59 100

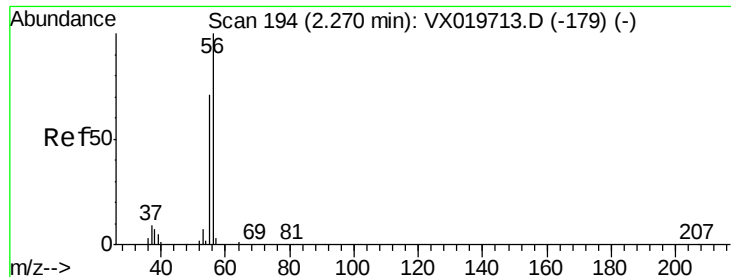
57 0.0 7.8 11.8#



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





#13

Acrolein

Concen: 0.524 ug/l

RT: 2.27 min Scan# 194

Delta R.T. 0.00 min

Lab File: VX019979.D

Acq: 14 Dec 2020 12:22

Instrument :

MSVOA_X

ClientSampleId :

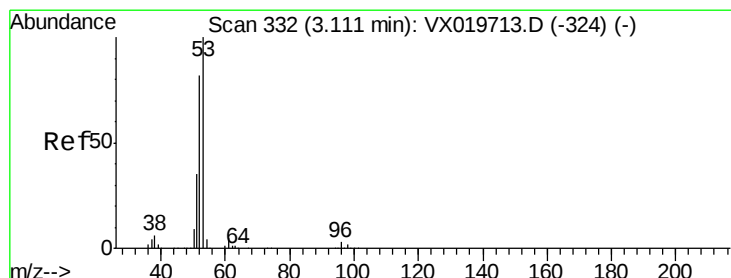
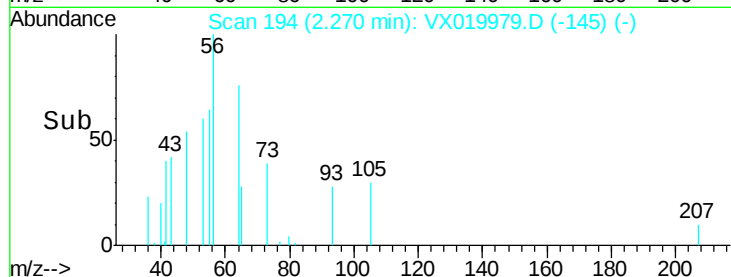
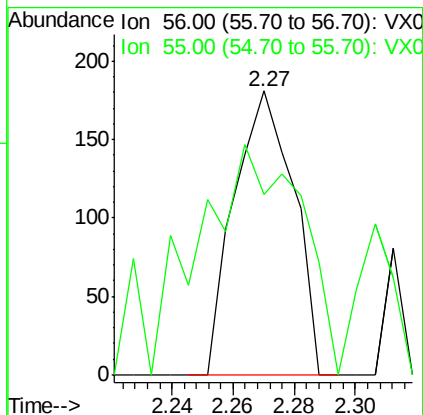
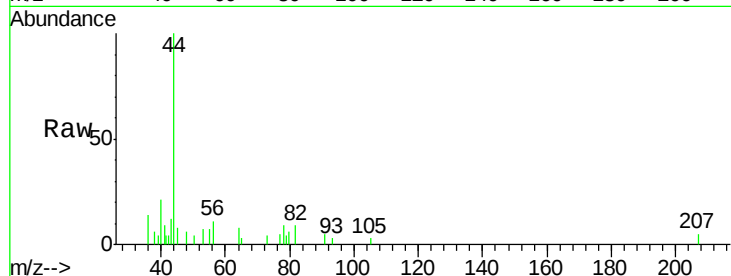
TU032-32-TB-121020

Tgt Ion: 56 Resp: 242

Ion Ratio Lower Upper

56 100

55 150.8 56.4 84.6#



#15

Acrylonitrile

Concen: 0.249 ug/l

RT: 3.12 min Scan# 333

Delta R.T. 0.01 min

Lab File: VX019979.D

Acq: 14 Dec 2020 12:22

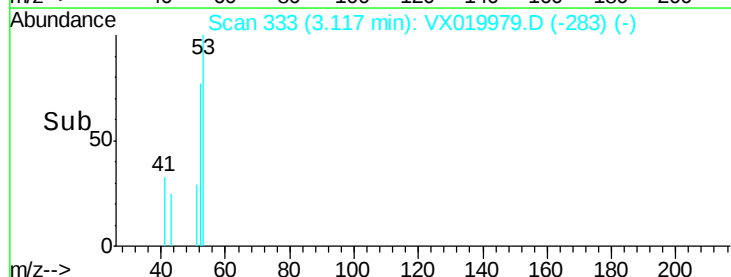
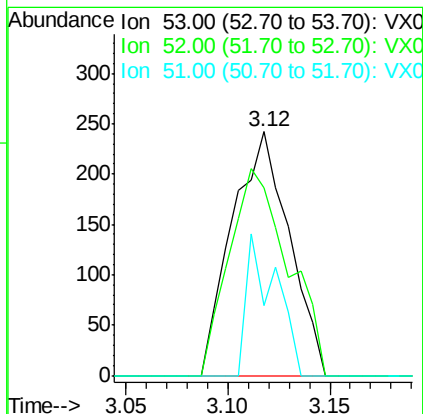
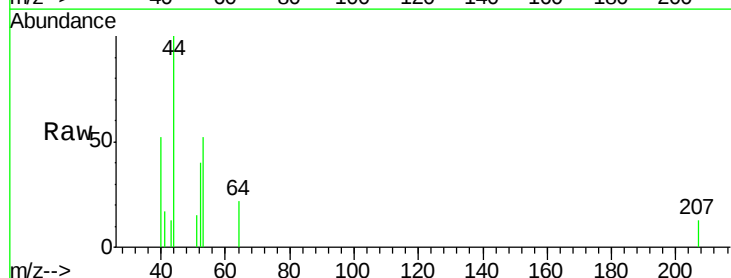
Tgt Ion: 53 Resp: 471

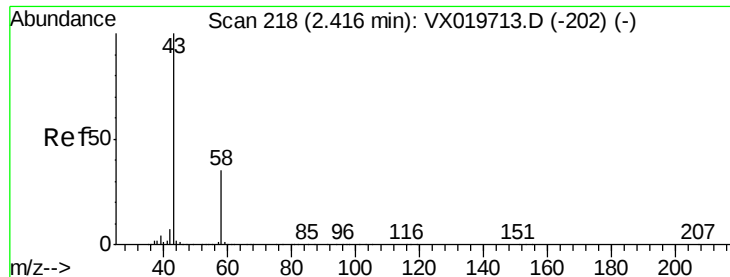
Ion Ratio Lower Upper

53 100

52 88.1 65.3 97.9

51 29.5 28.2 42.2





#16

Acetone

Concen: 0.610 ug/l

RT: 2.42 min Scan# 218

Delta R.T. 0.00 min

Lab File: VX019979.D

Acq: 14 Dec 2020 12:22

Instrument :

MSVOA_X

ClientSampleId :

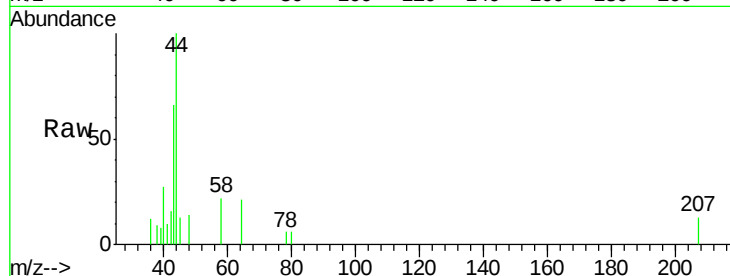
TU032-32-TB-121020

Tgt Ion: 43 Resp: 959

Ion Ratio Lower Upper

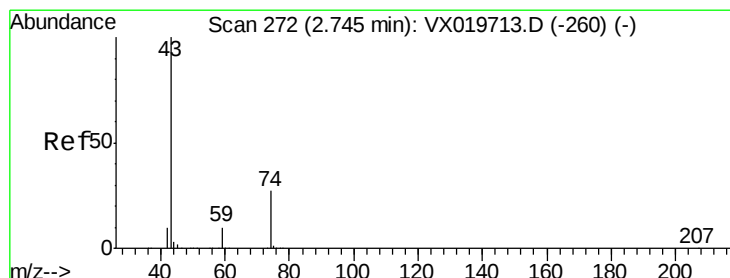
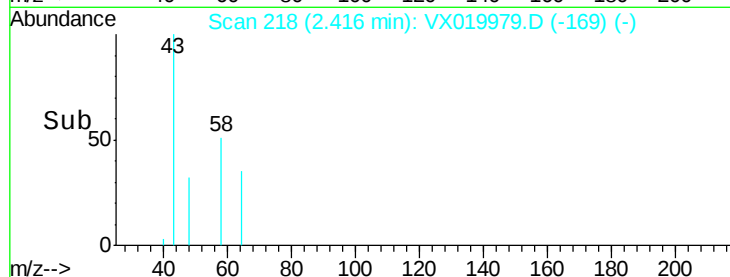
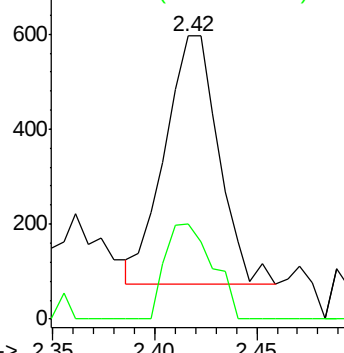
43 100

58 38.2 27.8 41.8



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 0.268 ug/l

RT: 2.75 min Scan# 272

Delta R.T. 0.00 min

Lab File: VX019979.D

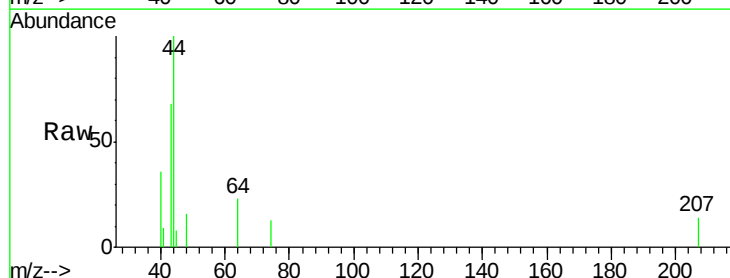
Acq: 14 Dec 2020 12:22

Tgt Ion: 43 Resp: 1029

Ion Ratio Lower Upper

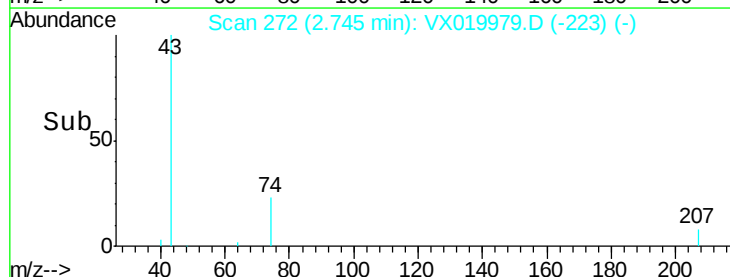
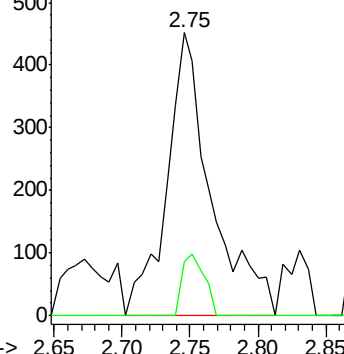
43 100

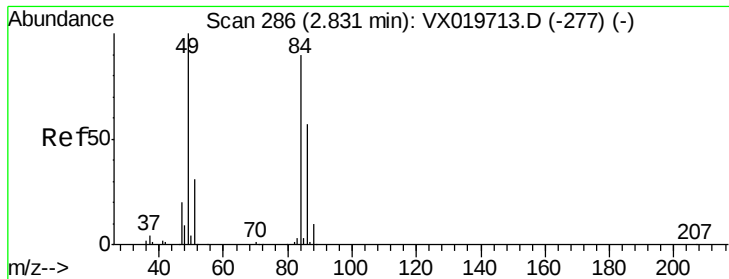
74 10.9 21.9 32.9#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0

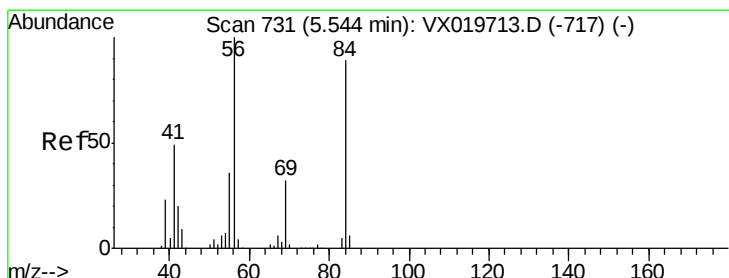
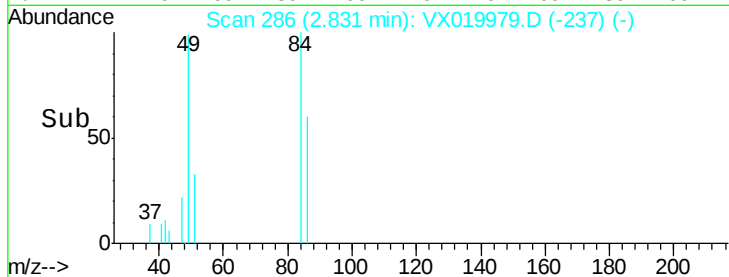
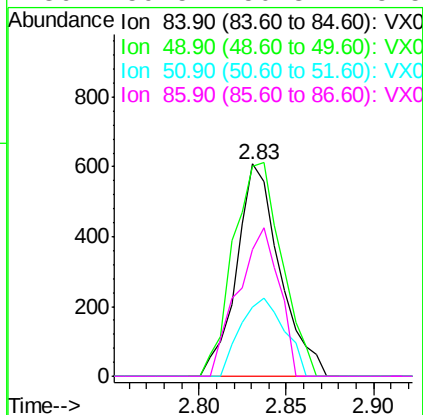
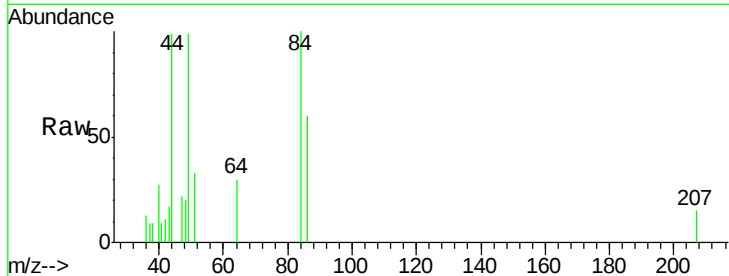




#20
Methylene Chloride
Concen: Below Cal
RT: 2.83 min Scan# 286
Delta R.T. 0.00 min
Lab File: VX019979.D
Acq: 14 Dec 2020 12:22

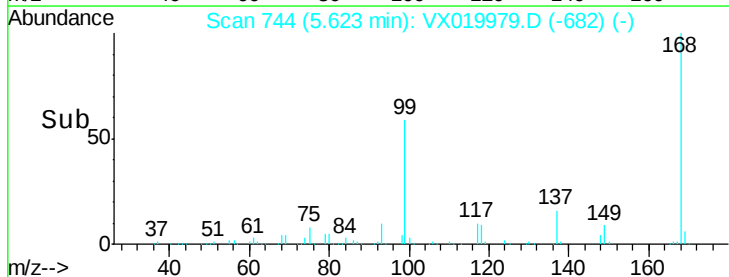
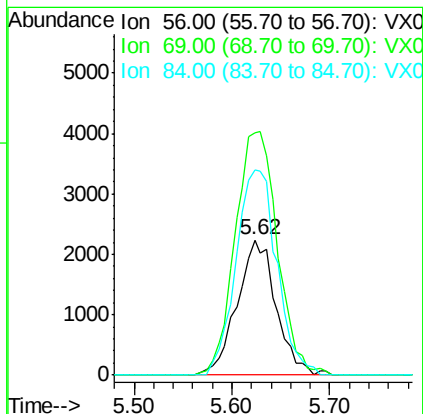
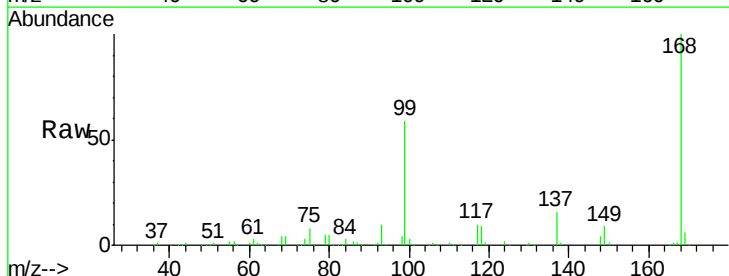
Instrument :
MSVOA_X
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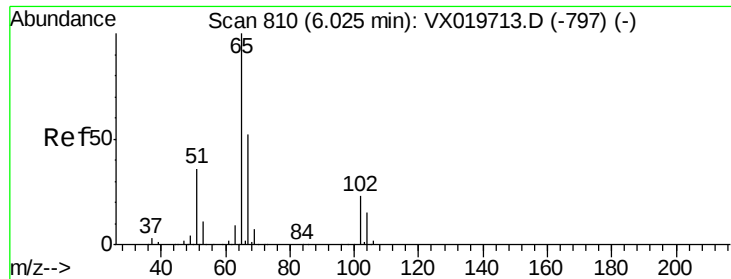
Tgt Ion:	84	Resp:	1048
Ion	Ratio	Lower	Upper
84	100		
49	98.7	88.6	132.8
51	32.6	27.0	40.6
86	59.5	50.3	75.5



#31
Cyclohexane
Concen: 1.190 ug/l
RT: 5.62 min Scan# 744
Delta R.T. 0.08 min
Lab File: VX019979.D
Acq: 14 Dec 2020 12:22

Tgt Ion:	56	Resp:	6190
Ion	Ratio	Lower	Upper
56	100		
69	180.0	25.3	37.9#
84	152.5	71.4	107.0#

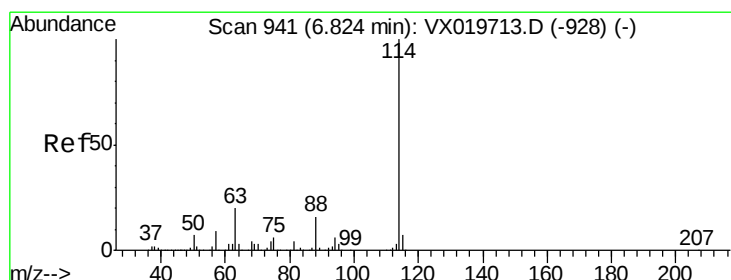
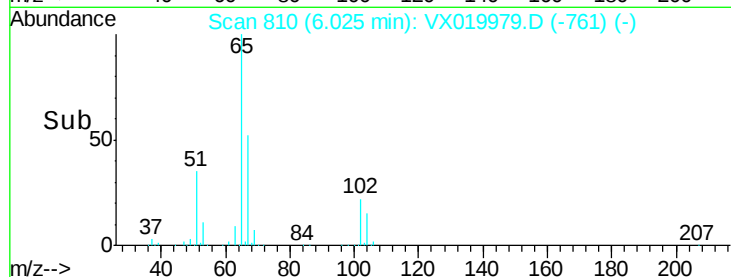
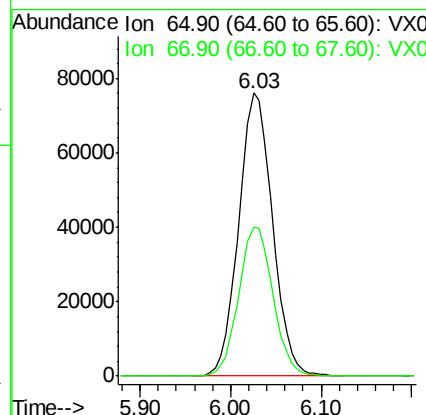
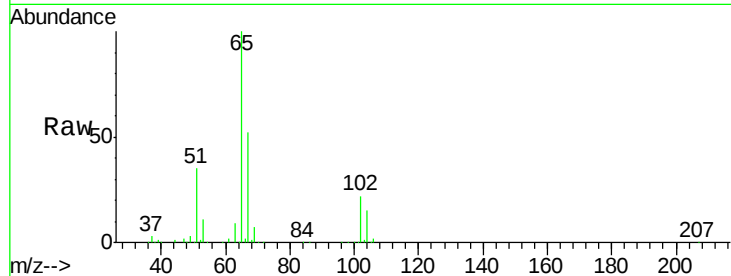




#33
 1,2-Dichloroethane-d4
 Concen: 47.088 ug/l
 RT: 6.03 min Scan# 810
 Delta R.T. 0.00 min
 Lab File: VX019979.D
 Acq: 14 Dec 2020 12:22

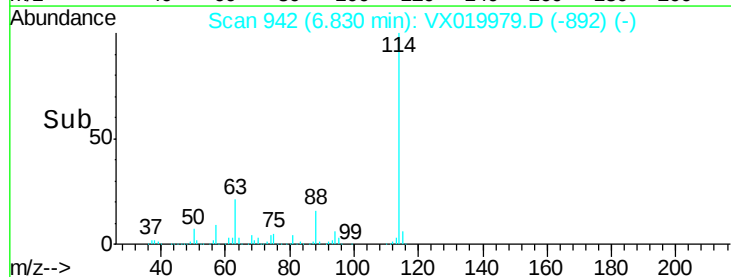
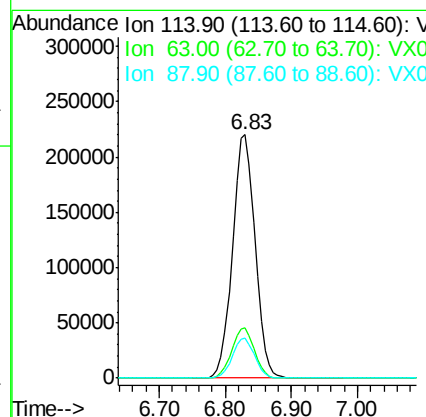
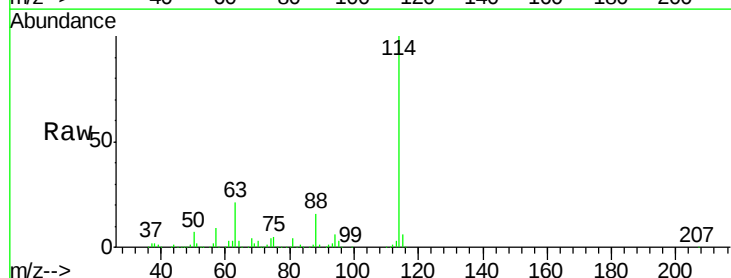
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 MSVOA_X
 ClientSampleId :
 TU032-32-TB-121020

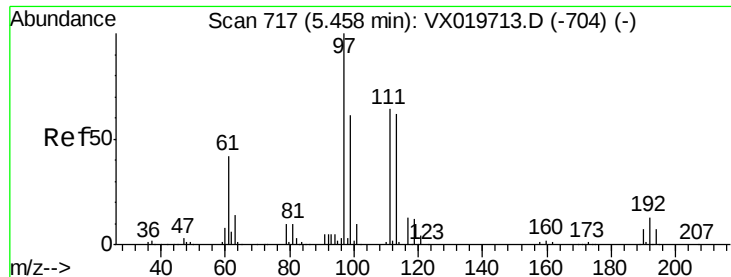
Tgt Ion: 65 Resp: 196852
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 105.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.83 min Scan# 942
 Delta R.T. 0.01 min
 Lab File: VX019979.D
 Acq: 14 Dec 2020 12:22

Tgt Ion: 114 Resp: 519379
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.8
 88 16.3 0.0 32.8

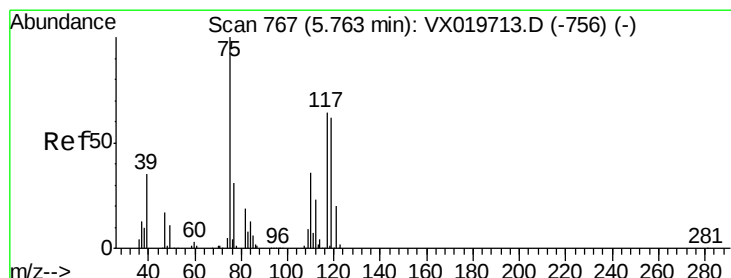
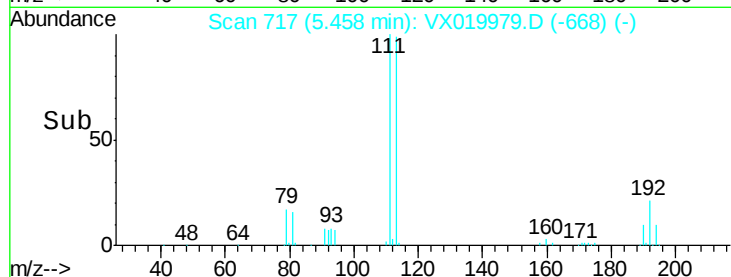
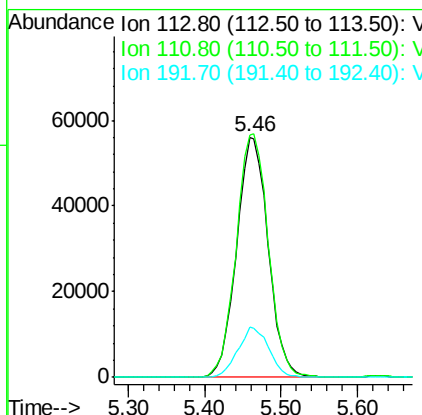
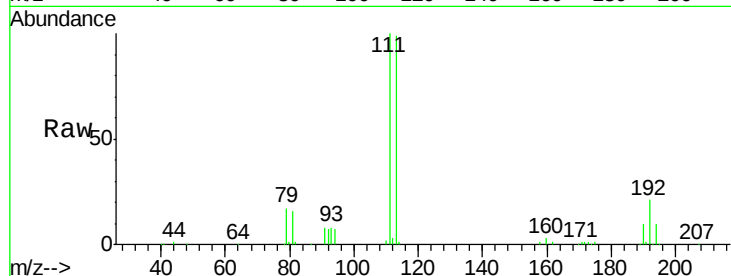




#35
 Dibromofluoromethane
 Concen: 47.777 ug/l
 RT: 5.46 min Scan# 717
 Delta R.T. 0.00 min
 Lab File: VX019979.D
 Acq: 14 Dec 2020 12:22

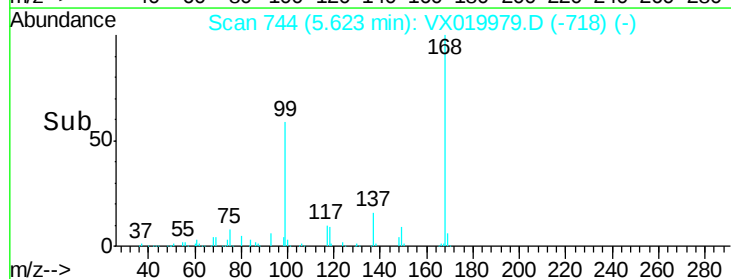
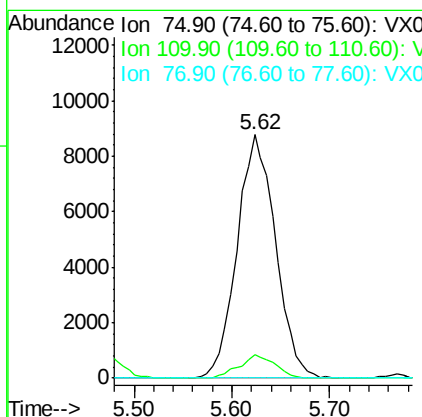
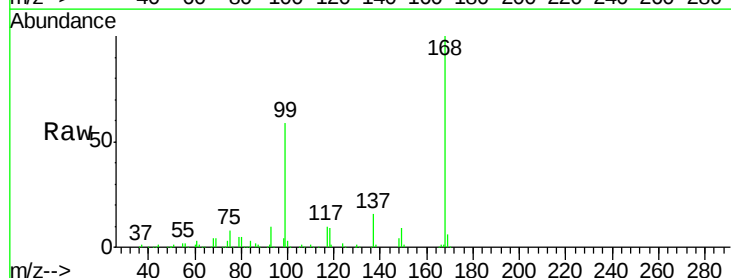
Instrument :
 MSVOA_X
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 TU032-32-TB-121020

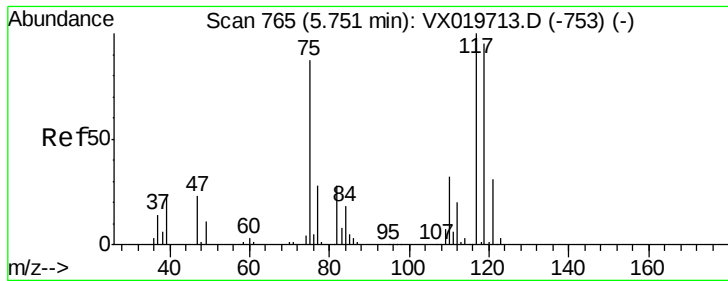
Tgt Ion:113 Resp: 160373
 Ion Ratio Lower Upper
 113 100
 111 103.0 81.9 122.9
 192 20.6 16.7 25.1



#36
 1,1-Dichloropropene
 Concen: 5.089 ug/l
 RT: 5.62 min Scan# 744
 Delta R.T. -0.14 min
 Lab File: VX019979.D
 Acq: 14 Dec 2020 12:22

Tgt Ion: 75 Resp: 23882
 Ion Ratio Lower Upper
 75 100
 110 8.7 18.1 54.4#
 77 0.0 25.3 37.9#

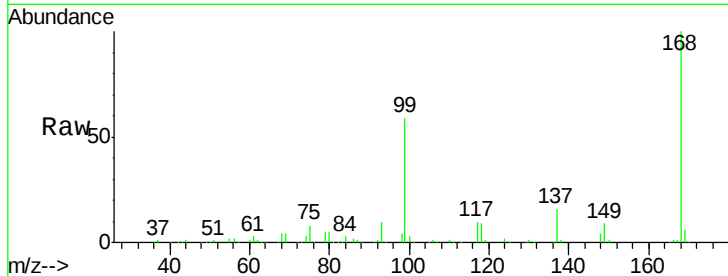




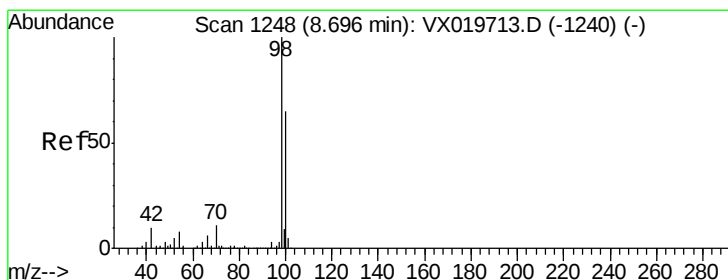
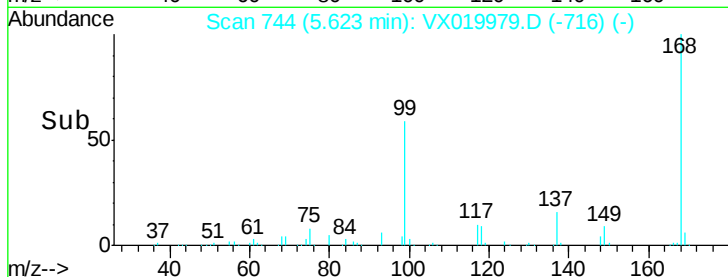
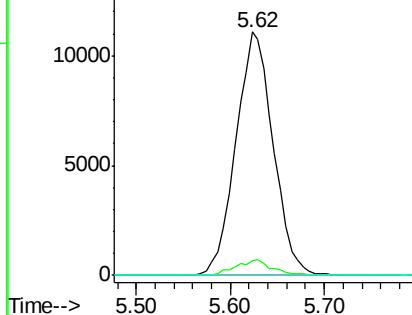
#38
Carbon Tetrachloride
Concen: 6.643 ug/l
RT: 5.62 min Scan# 744
Delta R.T. -0.13 min
Lab File: VX019979.D
Acq: 14 Dec 2020 12:22

Instrument :
MSVOA_X
ClientSampleId :
TU032-32-TB-121020

Tgt Ion: 117 Resp: 30532
Ion Ratio Lower Upper
117 100
119 5.8 76.2 114.2#
121 0.0 24.8 37.2#

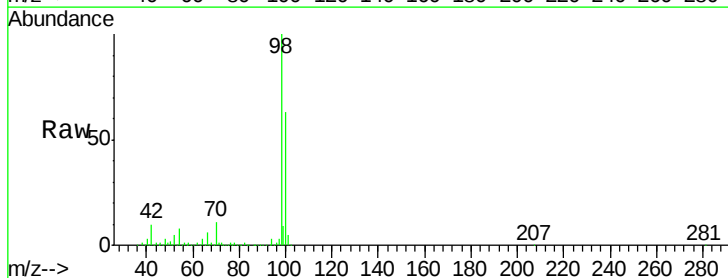


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

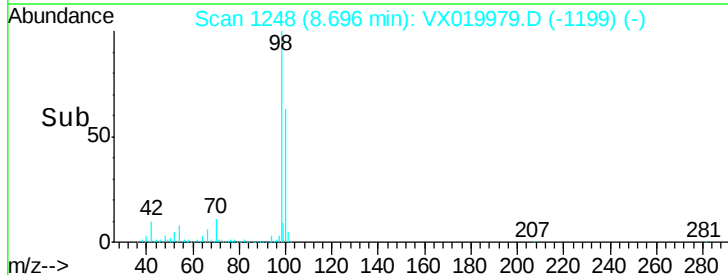
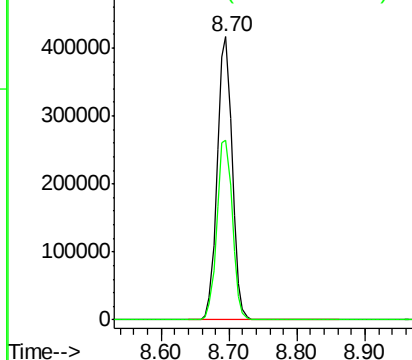


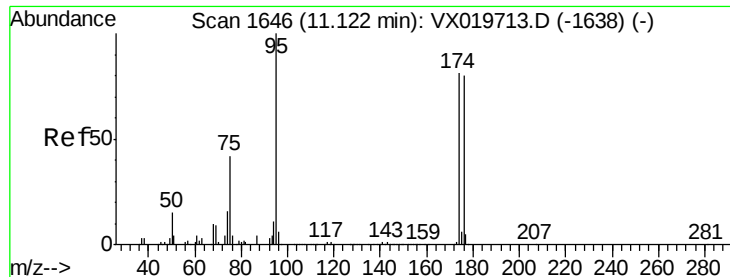
#50
Toluene-d8
Concen: 49.520 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX019979.D
Acq: 14 Dec 2020 12:22

Tgt Ion: 98 Resp: 634597
Ion Ratio Lower Upper
98 100
100 65.8 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VX0
Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 45.452 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX019979.D

Acq: 14 Dec 2020 12:22

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-TB-121020

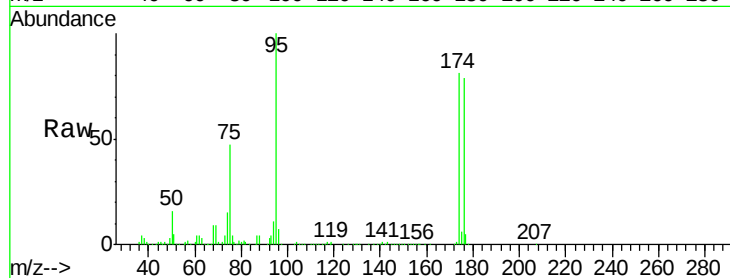
Tgt Ion: 95 Resp: 221693

Ion Ratio Lower Upper

95 100

174 77.0 0.0 154.6

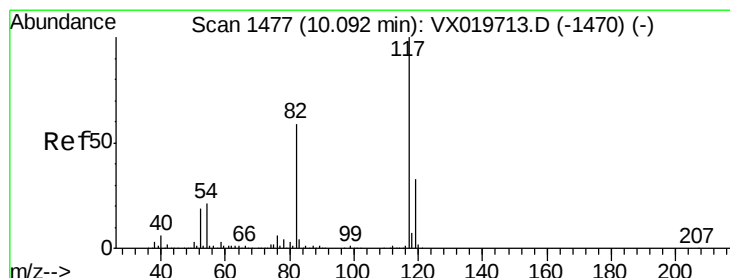
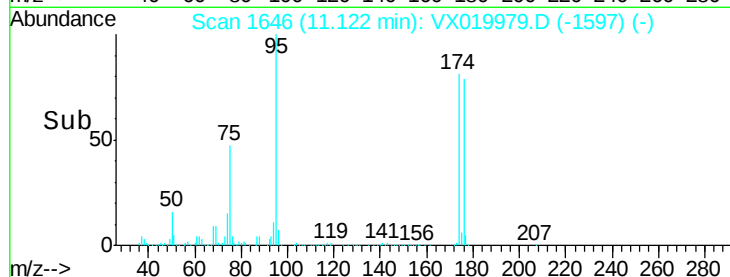
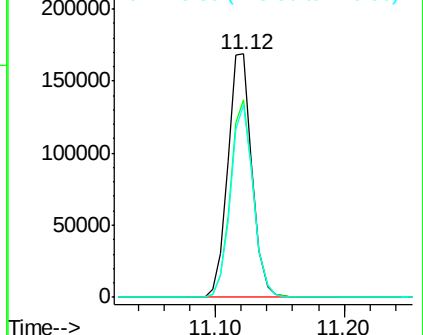
176 75.2 0.0 155.8



Abundance Ion 94.90 (94.60 to 95.60): VX

Ion 173.80 (173.50 to 174.50): VX

Ion 175.80 (175.50 to 176.50): VX



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.09 min Scan# 1477

Delta R.T. 0.00 min

Lab File: VX019979.D

Acq: 14 Dec 2020 12:22

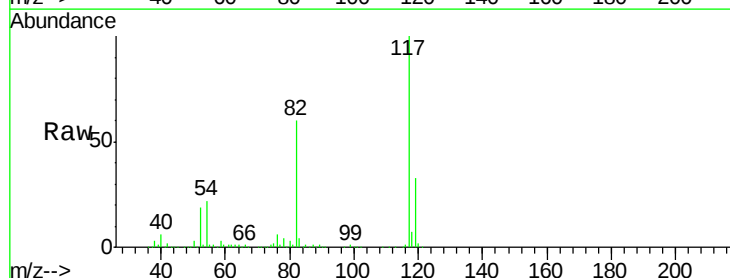
Tgt Ion: 117 Resp: 476885

Ion Ratio Lower Upper

117 100

82 59.8 47.4 71.2

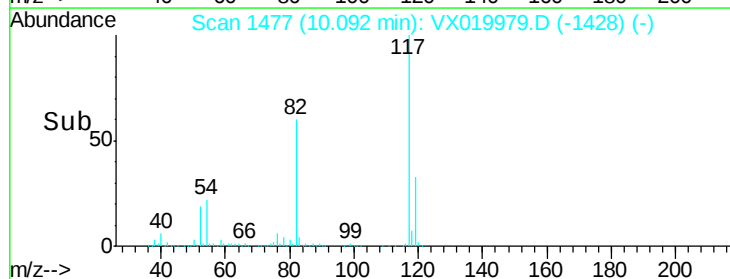
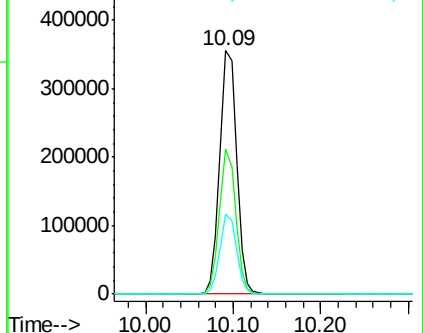
119 32.8 26.6 39.8

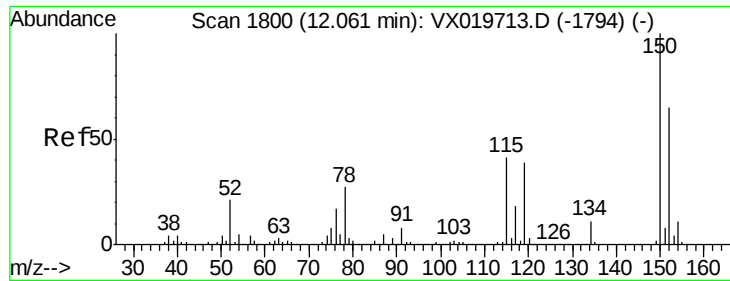


Abundance Ion 116.90 (116.60 to 117.60): VX

Ion 82.00 (81.70 to 82.70): VX

Ion 118.90 (118.60 to 119.60): VX





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VX019979.D

Acq: 14 Dec 2020 12:22

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-TB-121020

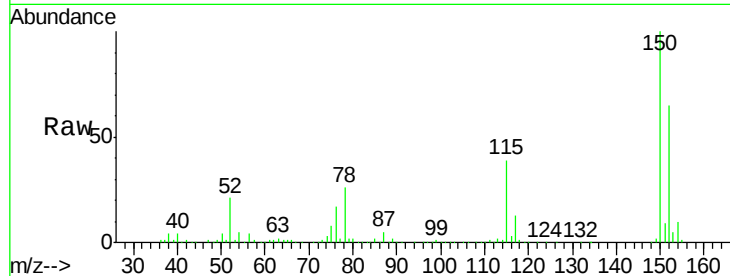
Tgt Ion:152 Resp: 208593

Ion Ratio Lower Upper

152 100

115 60.2 41.1 123.3

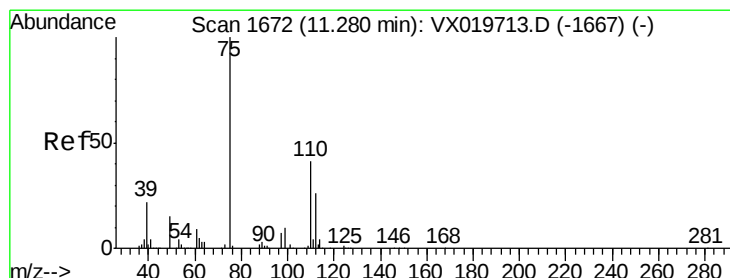
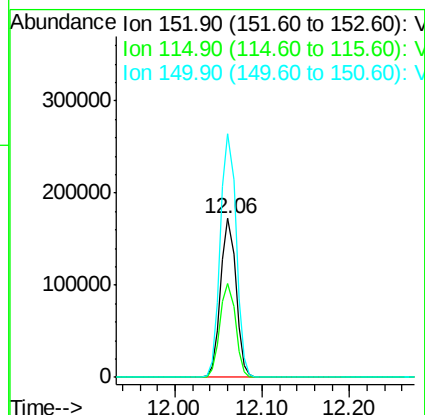
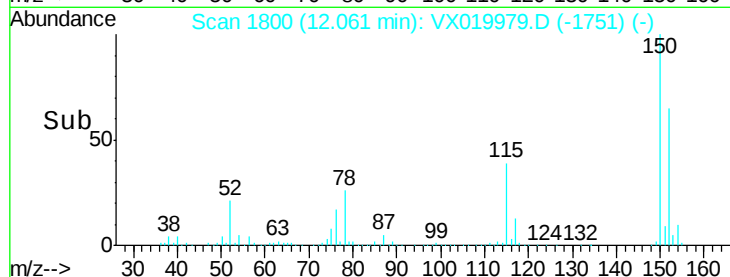
150 157.3 0.0 349.0



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: 22.793 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. -0.16 min

Lab File: VX019979.D

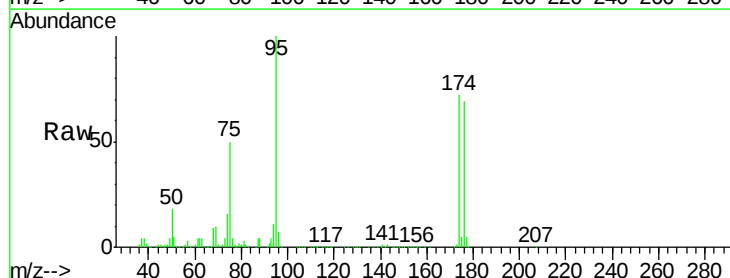
Acq: 14 Dec 2020 12:22

Tgt Ion: 75 Resp: 106635

Ion Ratio Lower Upper

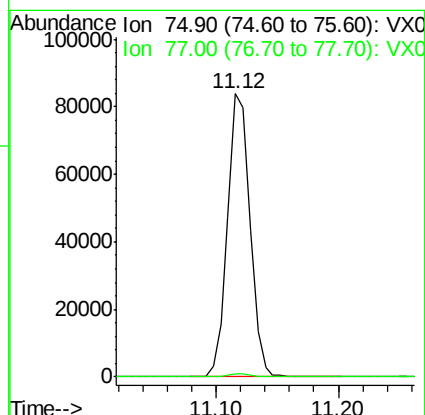
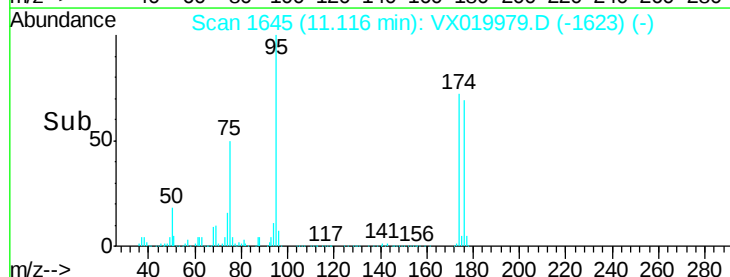
75 100

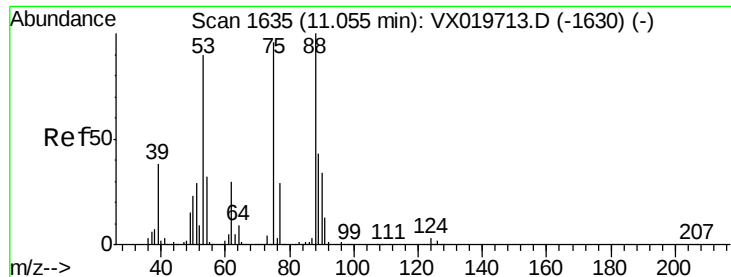
77 1.2 19.1 57.5#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0





#81

trans-1,4-Dichloro-2-butene

Concen: 65.891 ug/l

RT: 11.12 min Scan# 1645

Delta R.T. 0.06 min

Lab File: VX019979.D

Acq: 14 Dec 2020 12:22

Instrument :

MSVOA_X

ClientSampleId :

TU032-32-TB-121020

Tgt Ion: 75 Resp: 106635

Ion Ratio Lower Upper

75 100

53 0.1 74.5 111.7#

89 0.0 37.9 56.9#

