

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX072720\
 Data File : VX017624.D
 Acq On : 27 Jul 2020 18:09
 Operator : JC/SP
 Sample : VX0727WBL02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0727WBL02

Quant Time: Jul 28 01:34:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	512285	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	810075	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	843152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	490038	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	355494	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	
35) Dibromofluoromethane	5.47	113	284171	52.45	ug/l	0.00
Spiked Amount			Recovery	=	104.90%	
50) Toluene-d8	8.70	98	1004095	51.37	ug/l	0.00
Spiked Amount			Recovery	=	102.74%	
62) 4-Bromofluorobenzene	11.12	95	411651	52.63	ug/l	0.00
Spiked Amount			Recovery	=	105.26%	

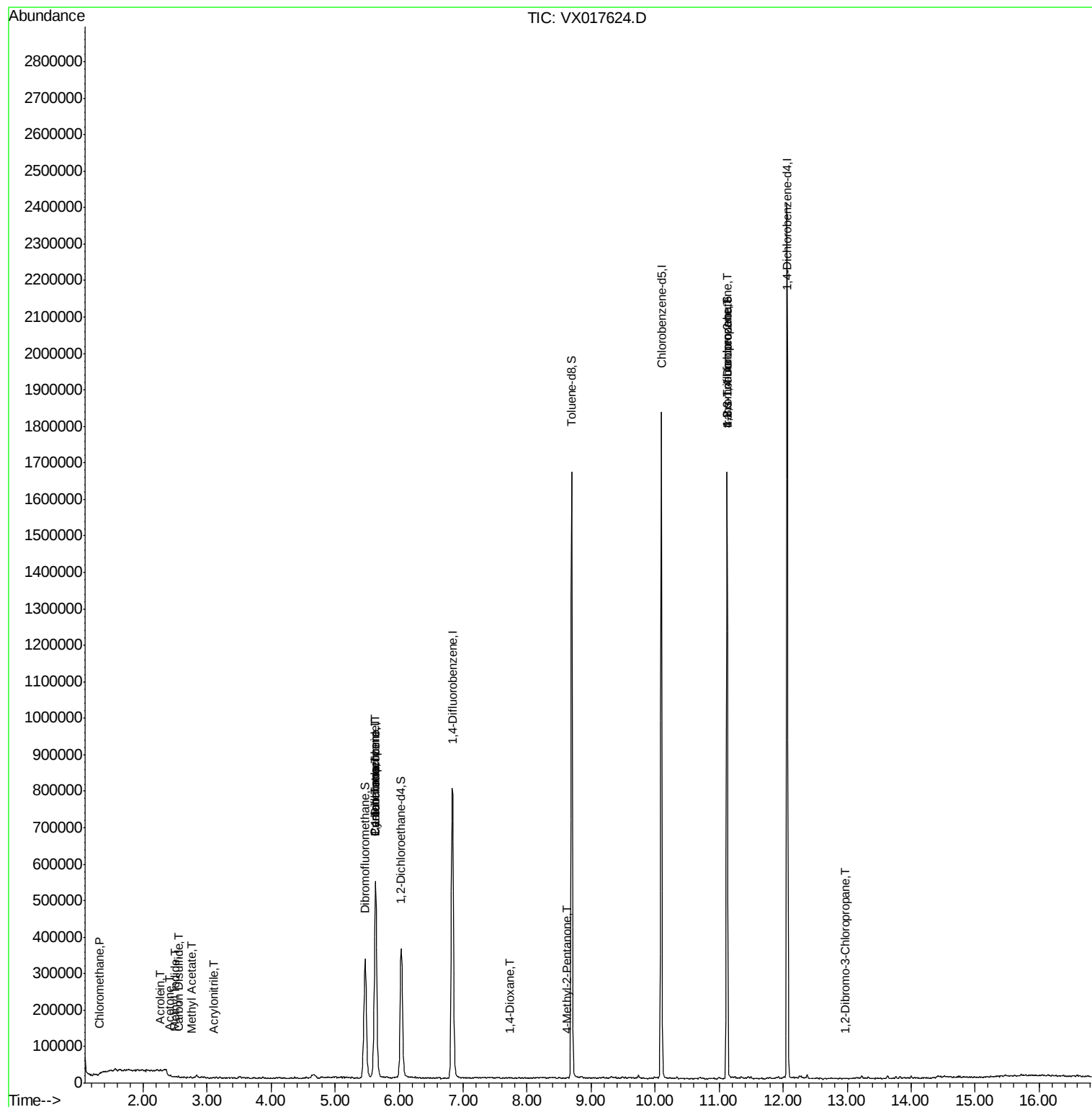
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.18	85	715	Below Cal	#	44
3) Chloromethane	1.32	50	1500	0.602	ug/l #	66
5) Bromomethane	1.64	94	1473	Below Cal	#	77
6) Chloroethane	1.71	64	248	Below Cal	#	44
8) Diethyl Ether	2.27	74	1163	Below Cal		50
10) Methyl Iodide	2.50	142	1688	0.237	ug/l	91
13) Acrolein	2.26	56	880	4.966	ug/l #	50
15) Acrylonitrile	3.10	53	835	0.279	ug/l #	29
16) Acetone	2.41	43	2130	0.735	ug/l #	77
17) Carbon Disulfide	2.55	76	3226	0.201	ug/l #	86
18) Methyl Acetate	2.76	43	1585	0.232	ug/l	98
20) Methylene Chloride	2.84	84	3020	Below Cal	#	69
31) Cyclohexane	5.63	56	11122	1.370	ug/l #	44
36) 1,1-Dichloropropene	5.63	75	37325	4.804	ug/l #	51
38) Carbon Tetrachloride	5.63	117	50199	5.321	ug/l #	16
49) 1,4-Dioxane	7.73	88	201	1.508	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	1692	0.202	ug/l #	36
76) 1,2,3-Trichloropropane	11.12	75	213429	21.173	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	213429	53.351	ug/l #	11
92) 1,2-Dibromo-3-Chloropropan	12.98	75	267	2.662	ug/l #	28

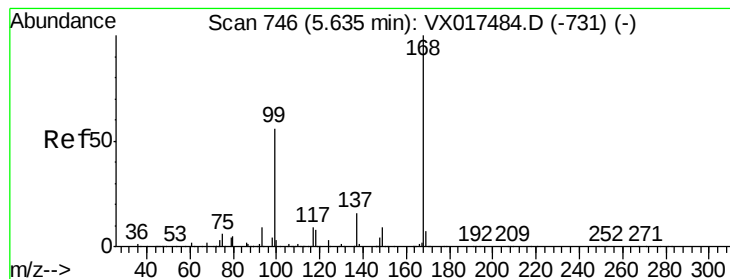
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX072720\
Data File : VX017624.D
Acq On : 27 Jul 2020 18:09
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Sample : VX0727WBL02
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampled :
VX0727WBL02

Quant Time: Jul 28 01:34:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 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: VX017624.D

Acq: 27 Jul 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

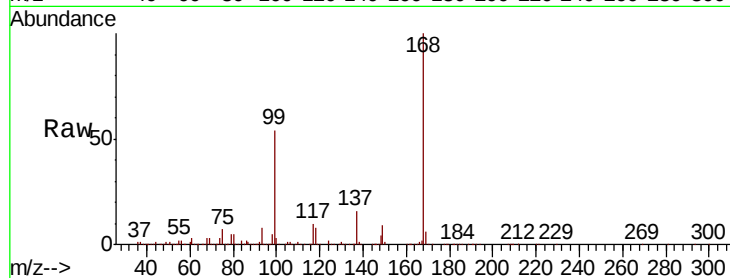
VX0727WBL02

Tot Ion:168 Resp: 512285

Ion Ratio Lower Upper

168 100

99 53.7 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

200000

150000

100000

50000

0

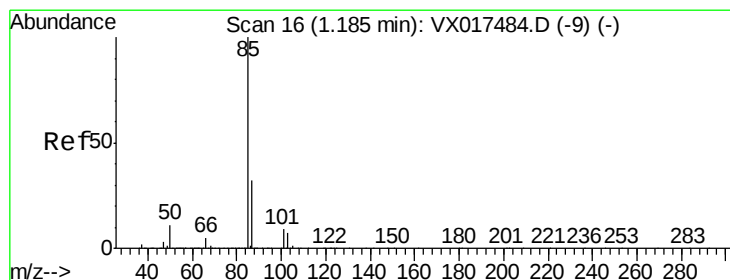
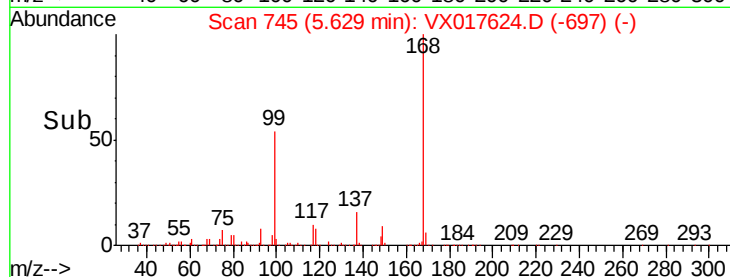
5.50

5.63

5.70

5.80

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.18 min Scan# 15

Delta R.T. -0.01 min

Lab File: VX017624.D

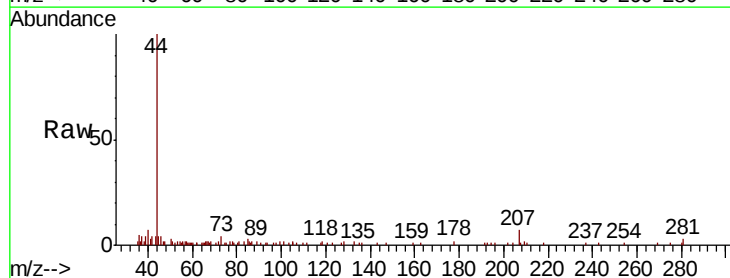
Acq: 27 Jul 2020 18:09

Tgt Ion: 85 Resp: 715

Ion Ratio Lower Upper

85 100

87 0.9 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

500

400

300

200

100

0

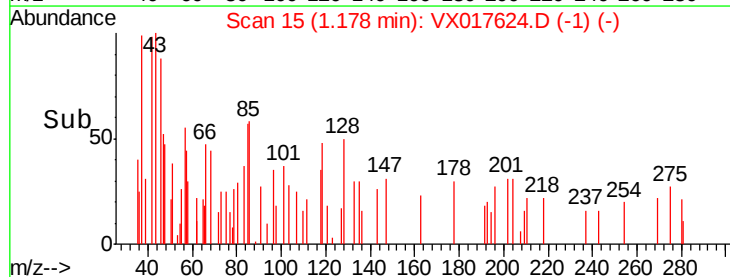
1.16

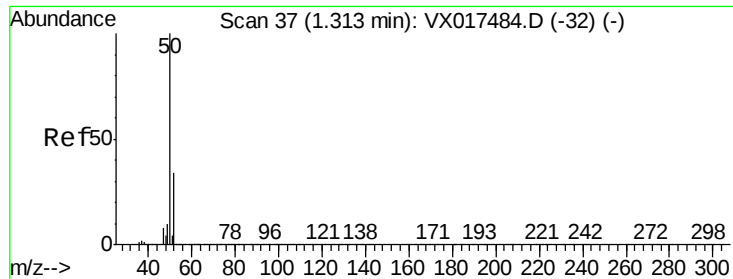
1.18

1.20

1.22

Time-->





#3

Chloromethane

Concen: 0.602 ug/l

RT: 1.32 min Scan# 38

Delta R.T. 0.01 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

Instrument :

MSVOA_X

ClientSampled :

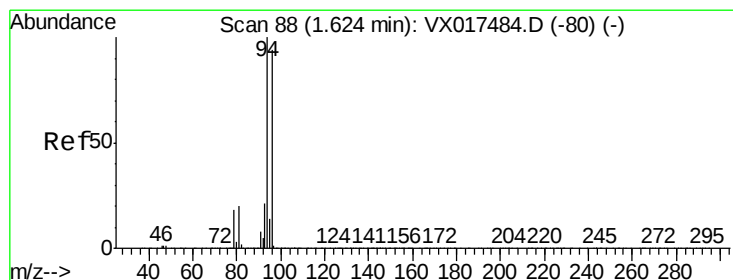
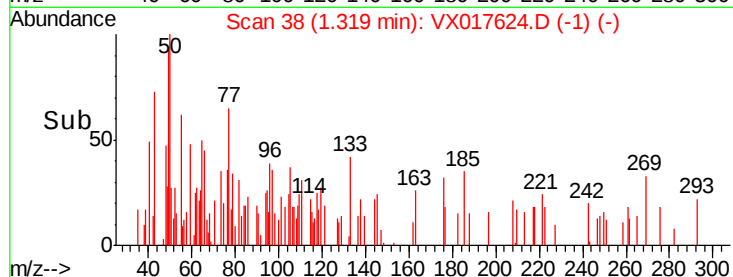
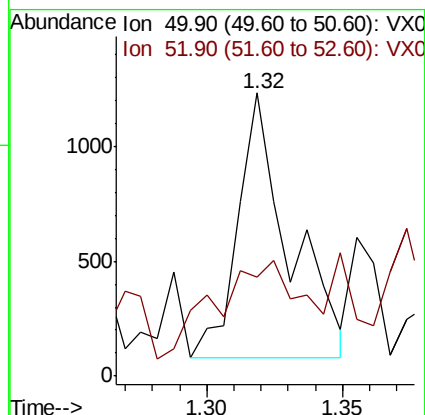
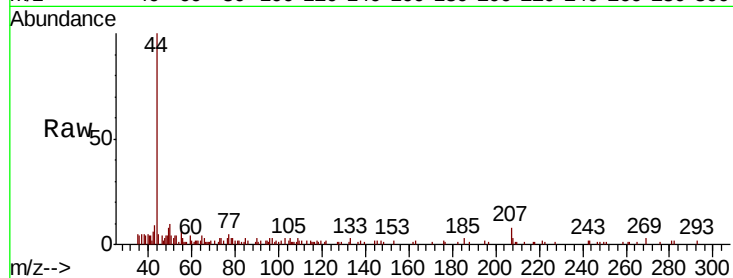
VX0727WBL02

Tot Ion: 50 Resp: 1500

Ion Ratio Lower Upper

50 100

52 13.5 25.9 38.9#



#5

Bromomethane

Concen: Below Cal

RT: 1.64 min Scan# 91

Delta R.T. 0.02 min

Lab File: VX017624.D

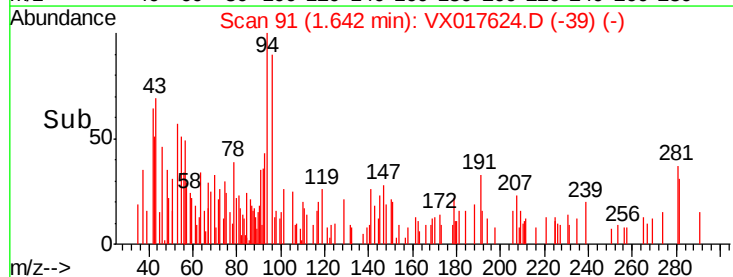
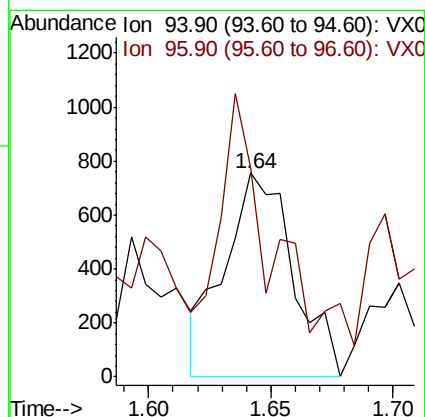
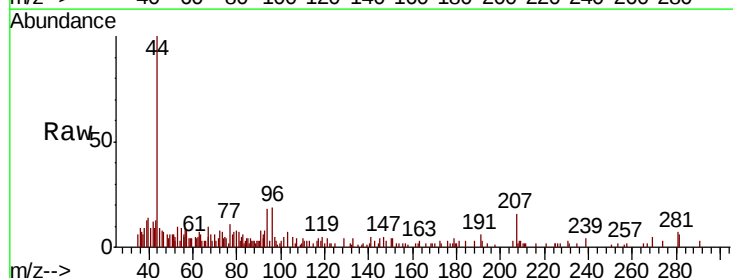
Acq: 27 Jul 2020 18:09

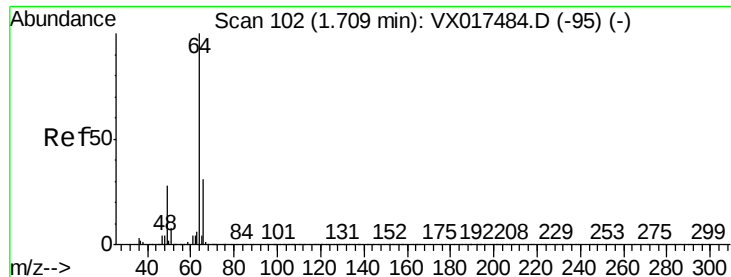
Tgt Ion: 94 Resp: 1473

Ion Ratio Lower Upper

94 100

96 70.9 74.1 111.1#





#6

Chloroethane

Concen: Below Cal

RT: 1.71 min Scan# 102

Delta R.T. -0.00 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

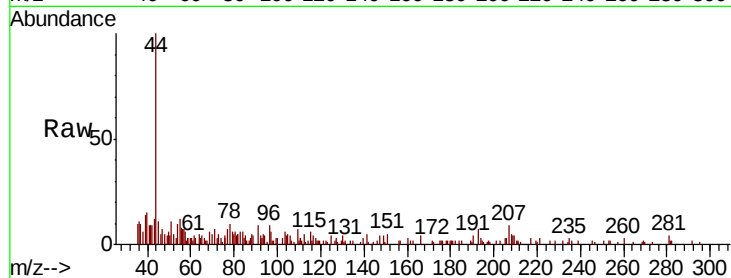
VX0727WBL02

Tot Ion: 64 Resp: 248

Ion Ratio Lower Upper

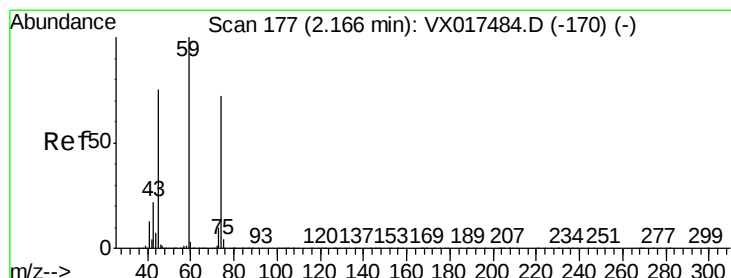
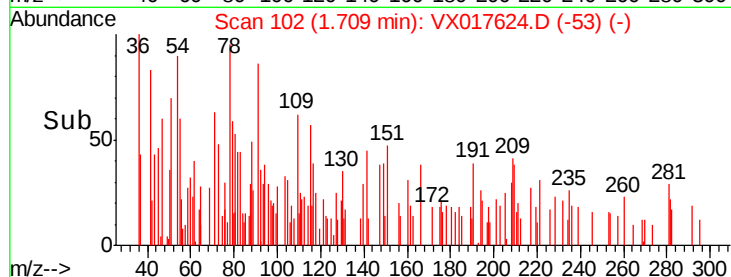
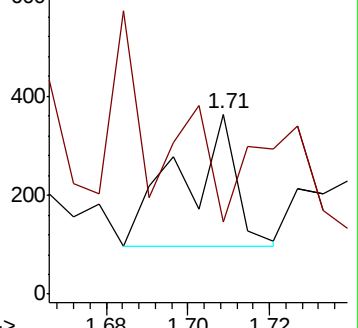
64 100

66 0.0 24.9 37.3#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



#8

Diethyl Ether

Concen: Below Cal

RT: 2.27 min Scan# 194

Delta R.T. 0.10 min

Lab File: VX017624.D

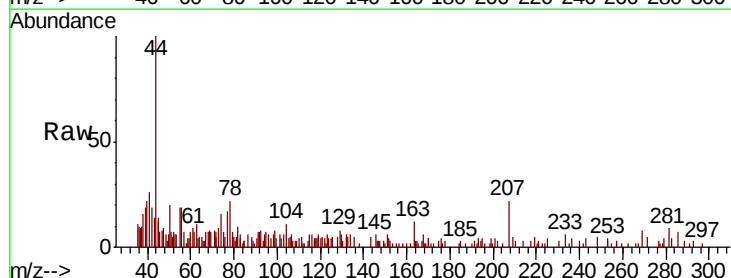
Acq: 27 Jul 2020 18:09

Tgt Ion: 74 Resp: 1163

Ion Ratio Lower Upper

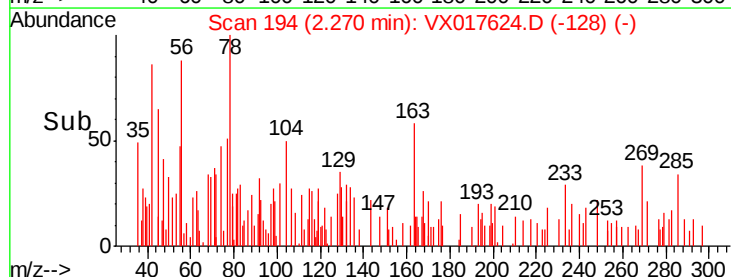
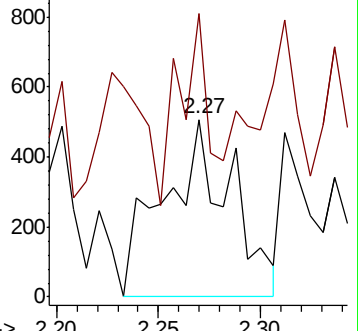
74 100

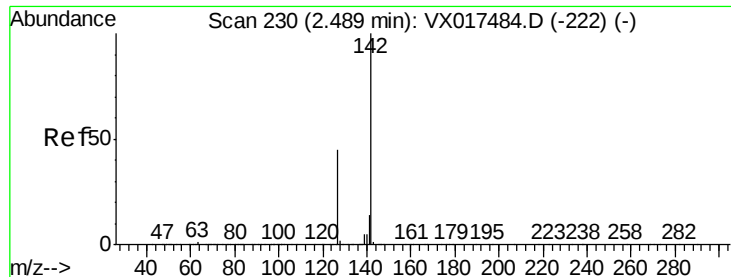
45 51.0 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

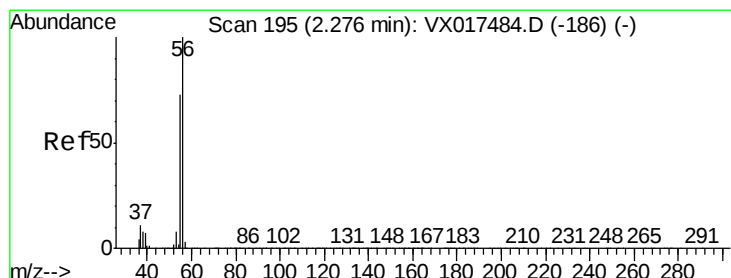
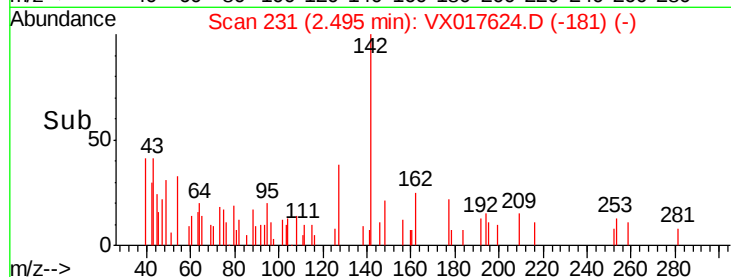
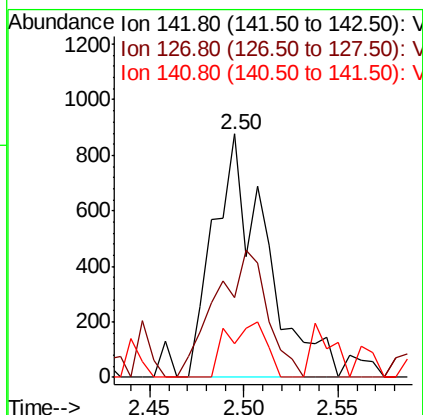
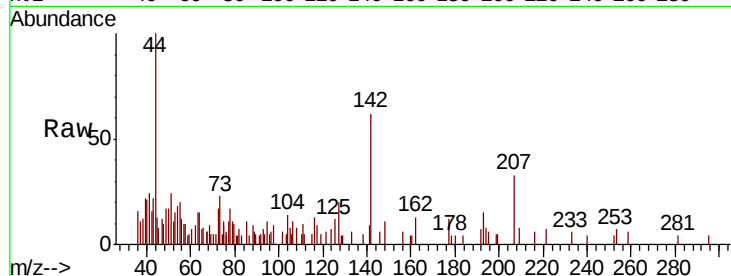




#10
Methvl Iodide
Concen: 0.237 ug/l
RT: 2.50 min Scan# 231
Delta R.T. 0.01 min
Lab File: VX017624.D
Acq: 27 Jul 2020 18:09

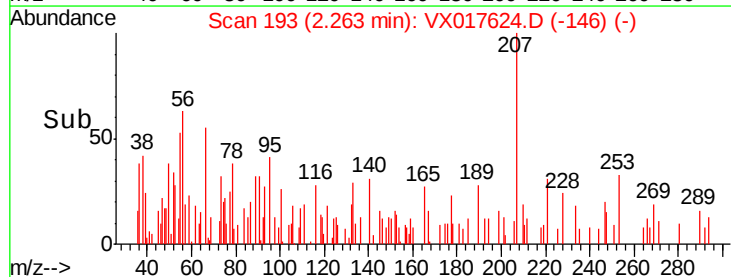
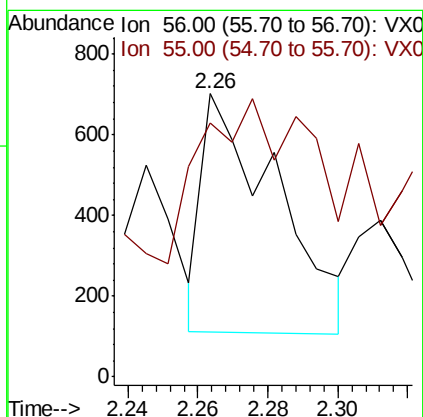
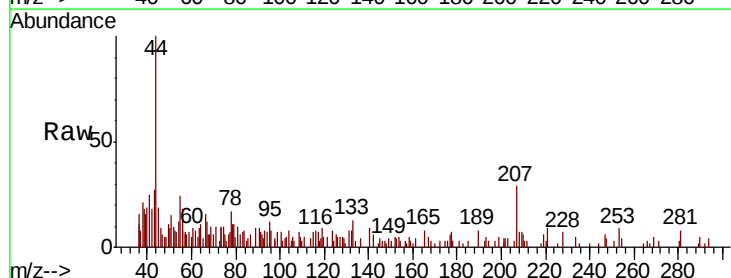
Instrument :
MSVOA_X
ClientSampleId :
VX0727WBL02

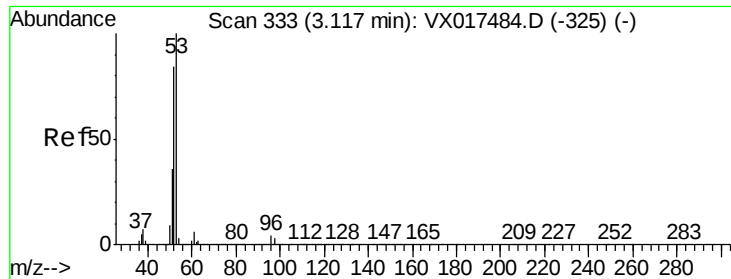
Tot Ion:142 Resp: 1688
Ion Ratio Lower Upper
142 100
127 51.6 35.9 53.9
141 17.0 11.4 17.0



#13
Acrolein
Concen: 4.966 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017624.D
Acq: 27 Jul 2020 18:09

Tgt Ion: 56 Resp: 880
Ion Ratio Lower Upper
56 100
55 113.1 57.4 86.2#





#15

Acrylonitrile

Concen: 0.279 ug/l

RT: 3.10 min Scan# 331

Delta R.T. -0.01 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

VX0727WBL02

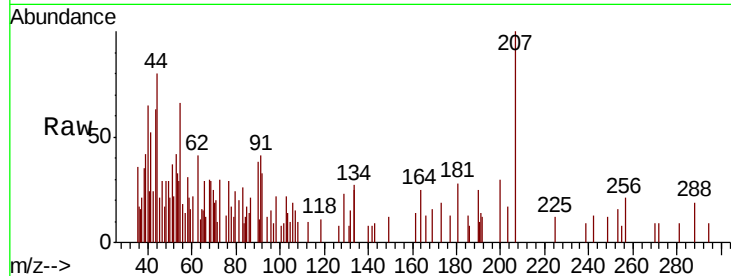
Tot Ion: 53 Resp: 835

Ion Ratio Lower Upper

53 100

52 0.0 66.6 99.8#

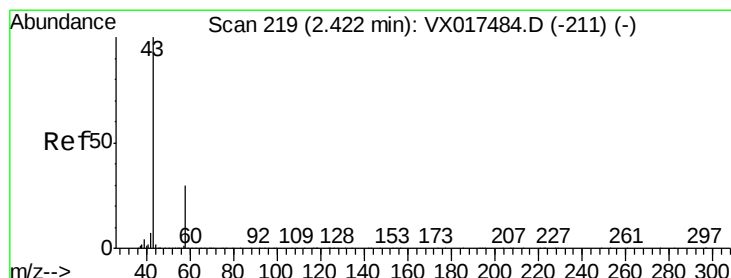
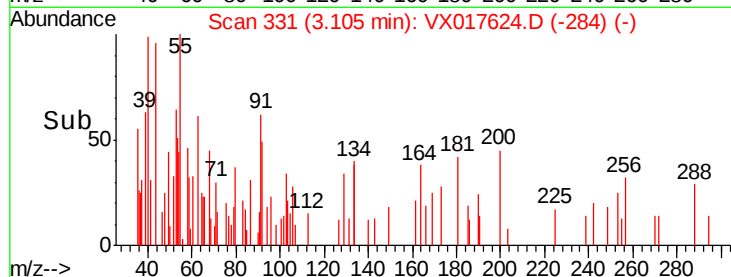
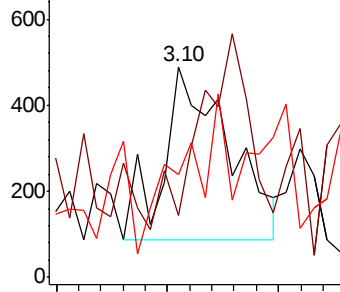
51 50.9 29.4 44.2#



Abundance Ion 53.00 (52.70 to 53.70): VX0

Ion 52.00 (51.70 to 52.70): VX0

Ion 51.00 (50.70 to 51.70): VX0



#16

Acetone

Concen: 0.735 ug/l

RT: 2.41 min Scan# 217

Delta R.T. -0.01 min

Lab File: VX017624.D

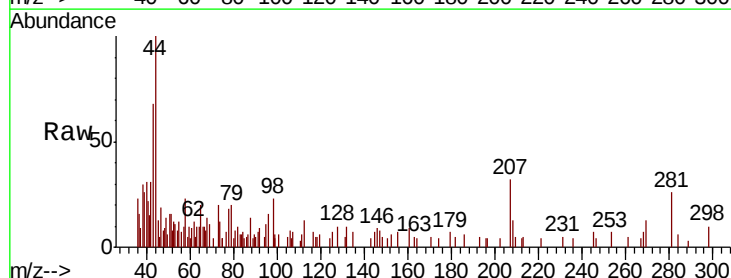
Acq: 27 Jul 2020 18:09

Tgt Ion: 43 Resp: 2130

Ion Ratio Lower Upper

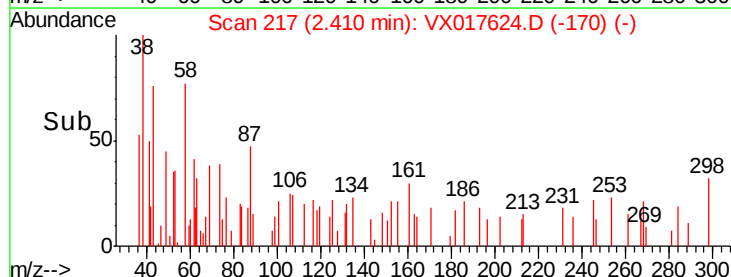
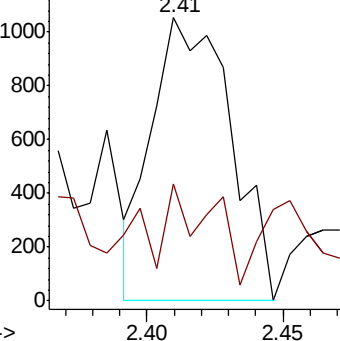
43 100

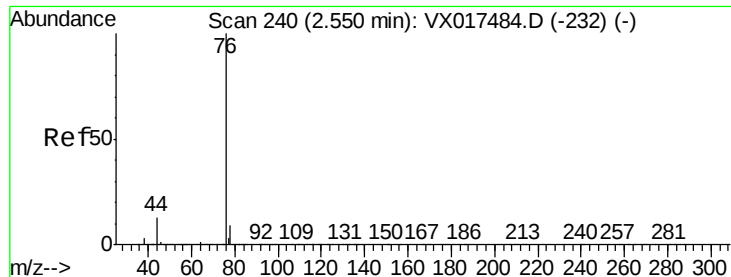
58 17.9 24.2 36.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#17

Carbon Disulfide

Concen: 0.201 ug/l

RT: 2.55 min Scan# 240

Delta R.T. -0.00 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

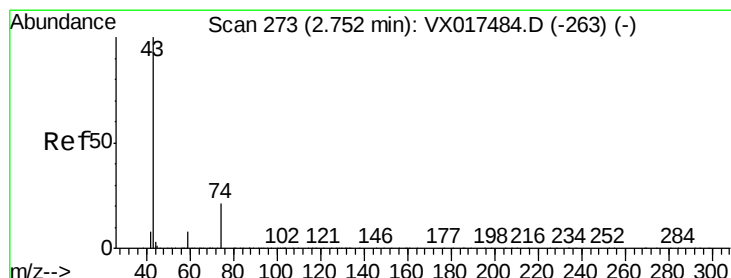
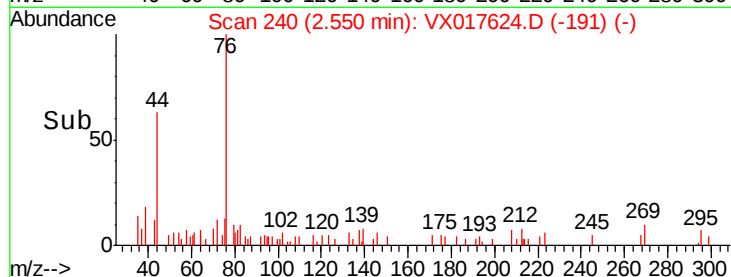
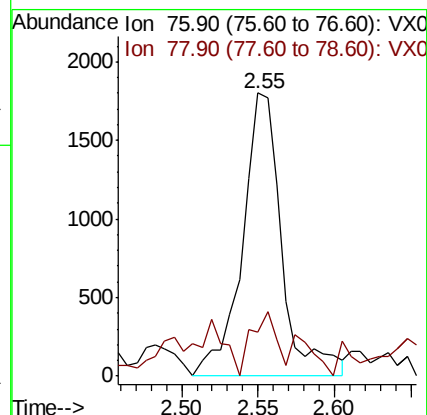
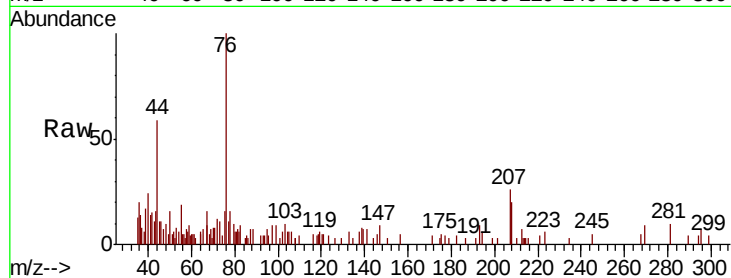
VX0727WBL02

Tot Ion: 76 Resp: 3226

Ion Ratio Lower Upper

76 100

78 4.1 7.5 11.3#



#18

Methyl Acetate

Concen: 0.232 ug/l

RT: 2.76 min Scan# 274

Delta R.T. 0.01 min

Lab File: VX017624.D

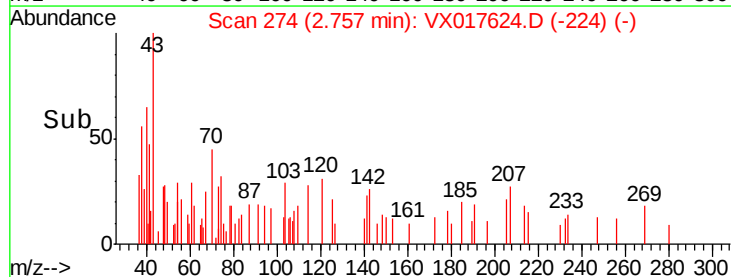
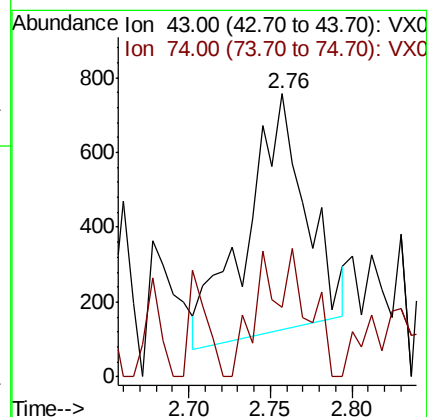
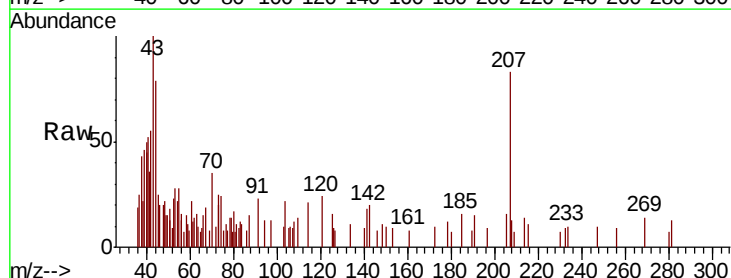
Acq: 27 Jul 2020 18:09

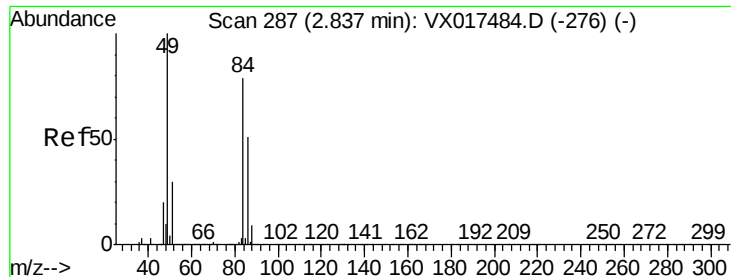
Tgt Ion: 43 Resp: 1585

Ion Ratio Lower Upper

43 100

74 22.8 17.5 26.3



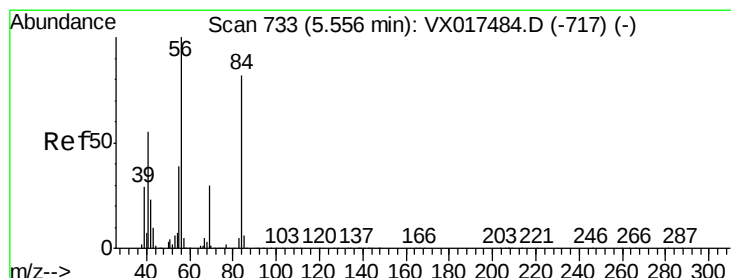
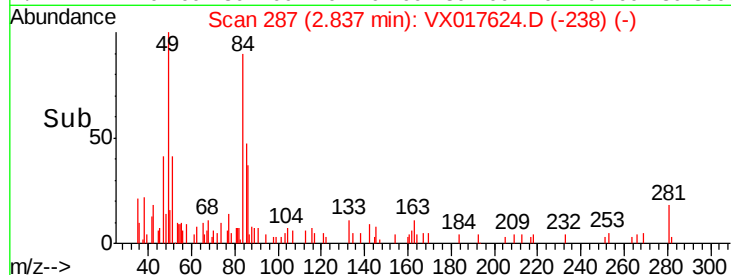
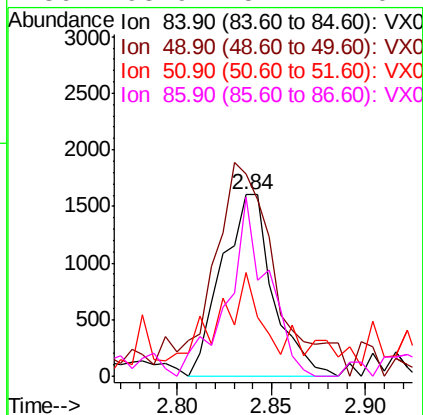
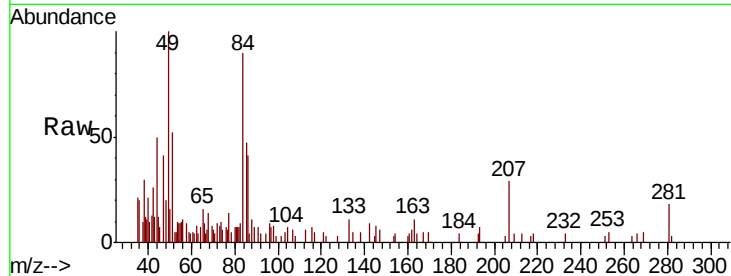


#20

Methvlene Chloride
 Concen: Below Cal
 RT: 2.84 min Scan# 287
 Delta R.T. 0.00 min
 Lab File: VX017624.D
 Acq: 27 Jul 2020 18:09

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0727WBL02

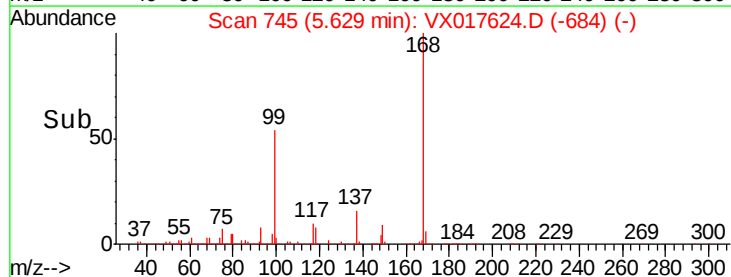
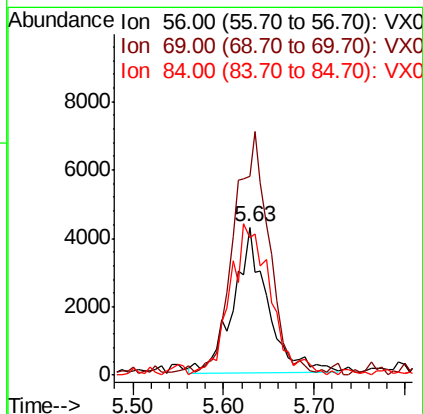
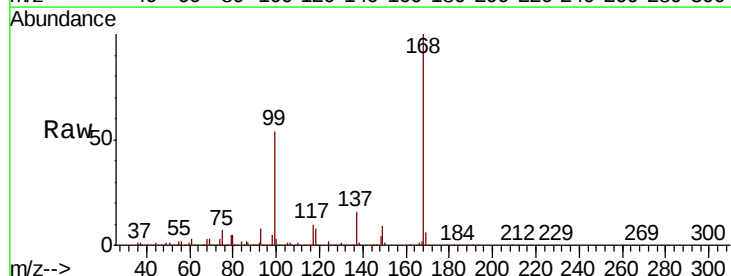
Tot Ion:	84	Resp:	3020
Ion	Ratio	Lower	Upper
84	100		
49	93.1	100.3	150.5#
51	47.0	30.5	45.7#
86	98.9	51.1	76.7#

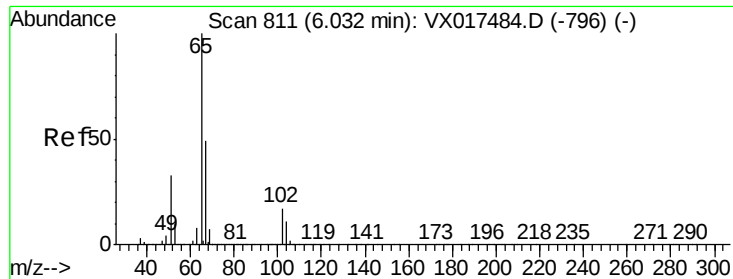


#31

Cyclohexane
 Concen: 1.370 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.07 min
 Lab File: VX017624.D
 Acq: 27 Jul 2020 18:09

Tgt Ion:	56	Resp:	11122
Ion	Ratio	Lower	Upper
56	100		
69	131.6	24.2	36.4#
84	95.6	69.0	103.6





#33

1,2-Dichloroethane-d4

Concen: 54.022 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

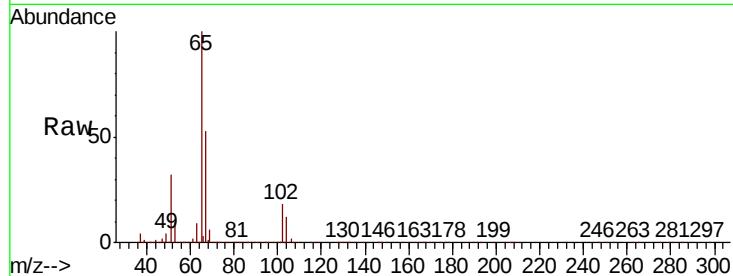
VX0727WBL02

Tot Ion: 65 Resp: 355494

Ion Ratio Lower Upper

65 100

67 51.9 0.0 102.8



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.03

150000

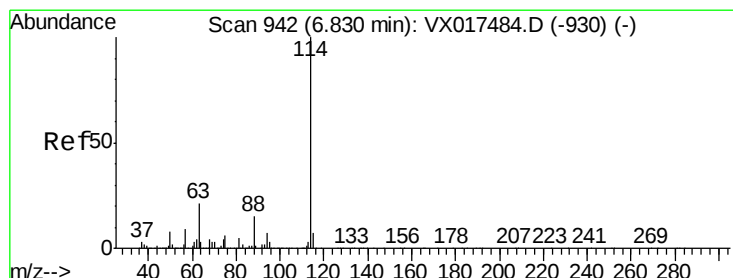
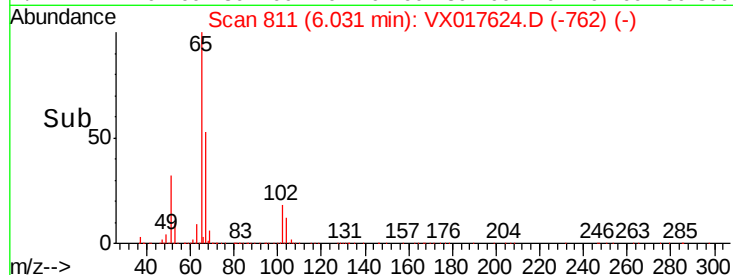
100000

50000

0

5.90 6.00 6.10 6.20

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

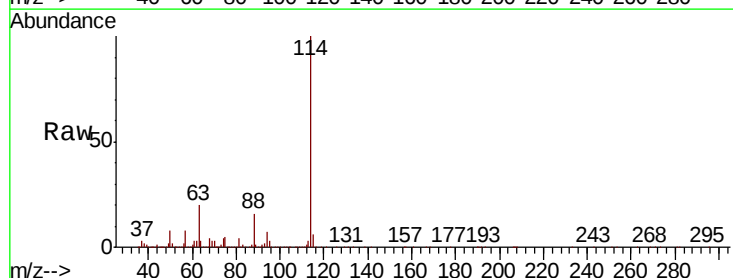
Tgt Ion: 114 Resp: 810075

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.6

88 16.3 0.0 33.4



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

6.84

400000

300000

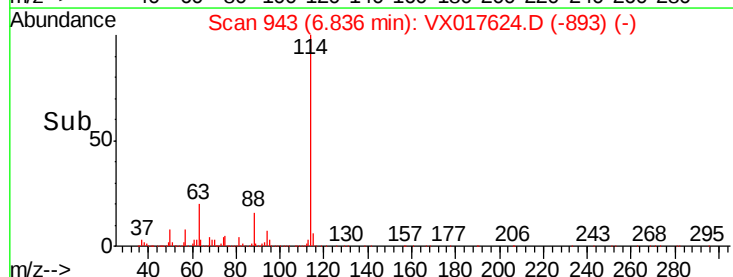
200000

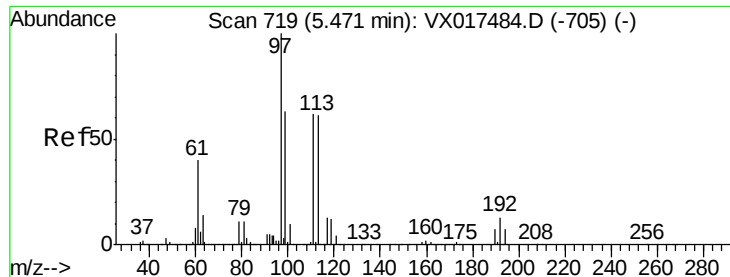
100000

0

6.70 6.80 6.90 7.00

Time-->





#35

Dibromofluoromethane

Concen: 52.451 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

VX0727WBL02

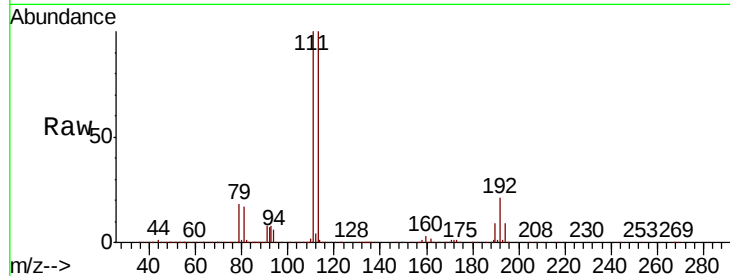
Tot Ion:113 Resp: 284171

Ion Ratio Lower Upper

113 100

111 102.9 80.7 121.1

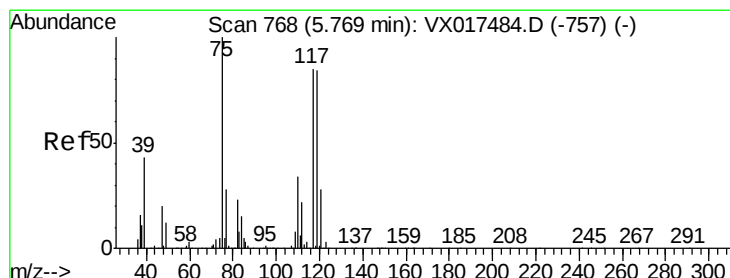
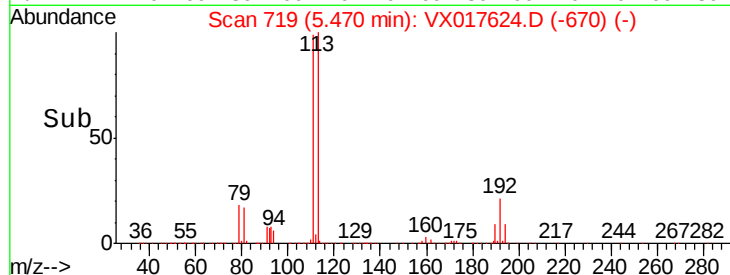
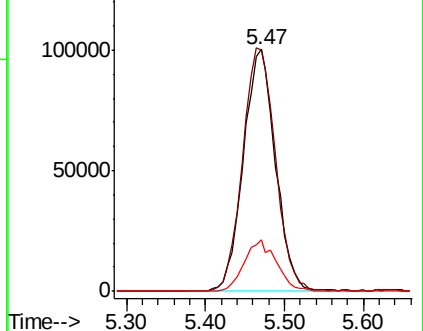
192 21.3 16.9 25.3



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: 4.804 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

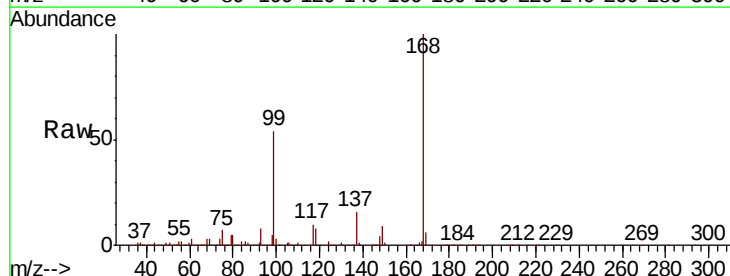
Tgt Ion: 75 Resp: 37325

Ion Ratio Lower Upper

75 100

110 10.6 18.1 54.3#

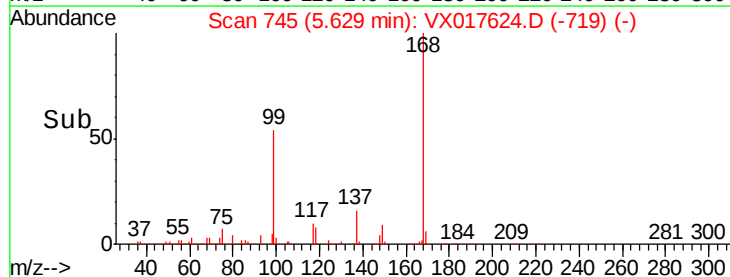
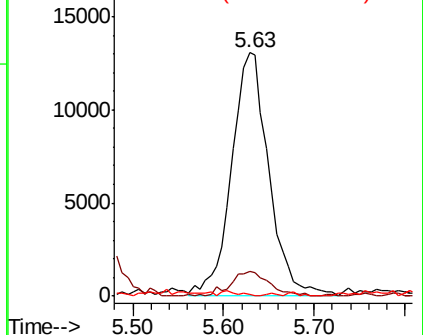
77 0.0 24.6 37.0#

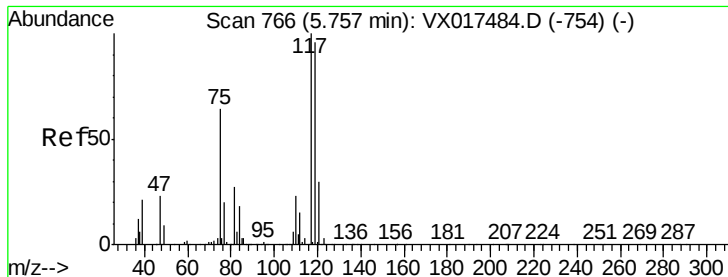


Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VX0





#38

Carbon Tetrachloride

Concen: 5.321 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

VX0727WBL02

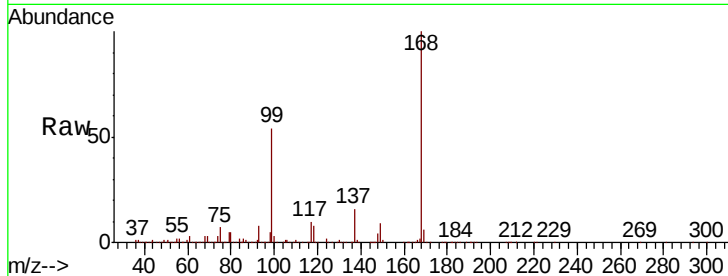
Tot Ion:117 Resp: 50199

Ion Ratio Lower Upper

117 100

119 4.6 75.4 113.0#

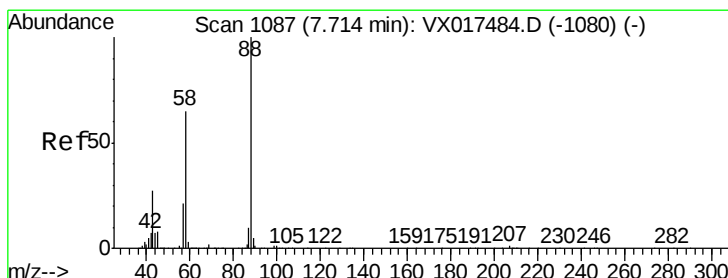
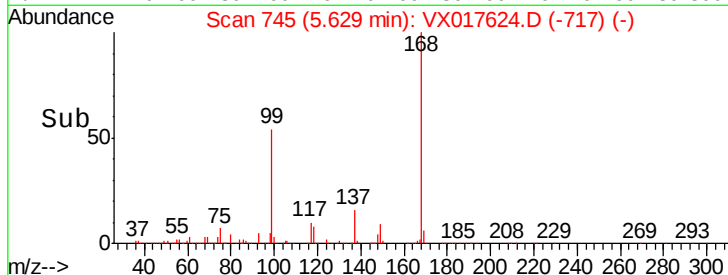
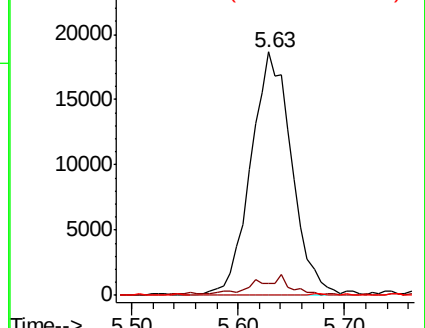
121 0.0 24.3 36.5#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#49

1,4-Dioxane

Concen: 1.508 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

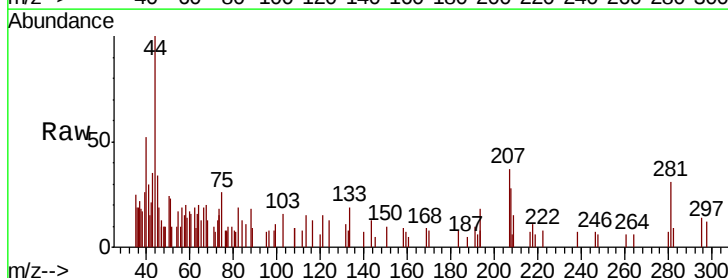
Tgt Ion: 88 Resp: 201

Ion Ratio Lower Upper

88 100

43 284.6 27.8 41.6#

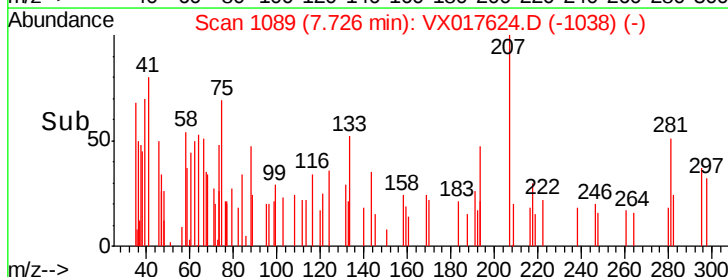
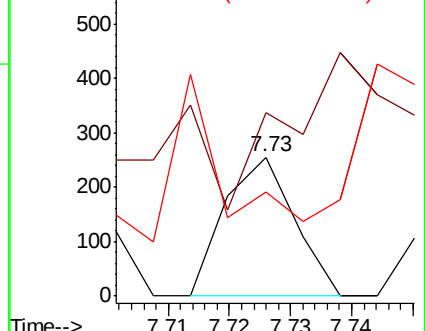
58 120.4 58.3 87.5#

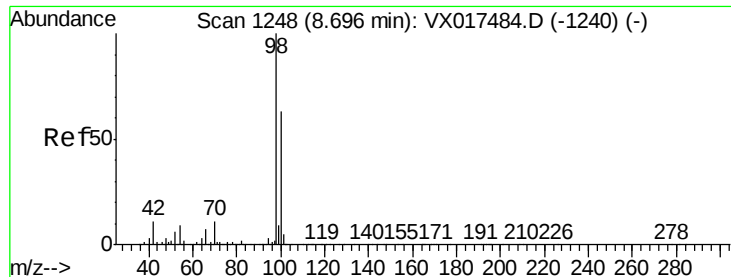


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#50

Toluene-d8

Concen: 51.374 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

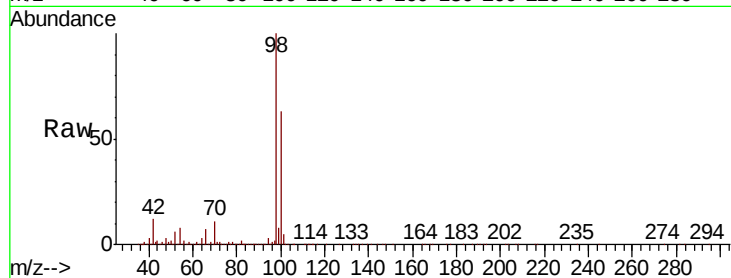
VX0727WBL02

Tot Ion: 98 Resp: 1004095

Ion Ratio Lower Upper

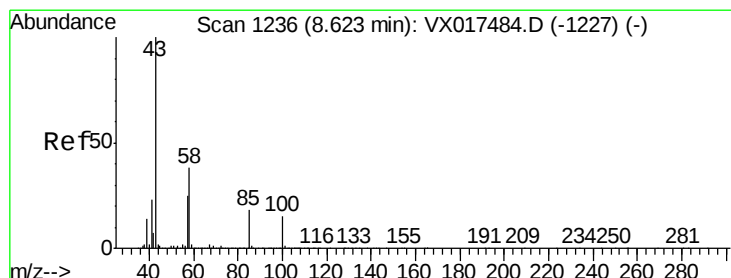
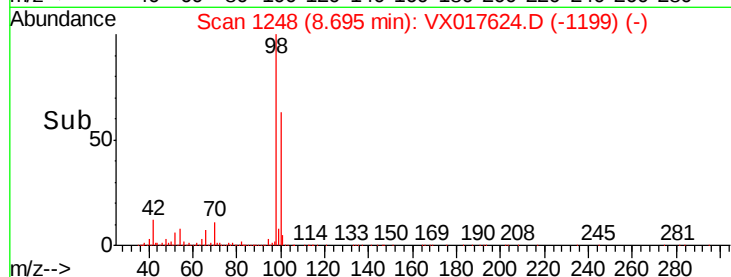
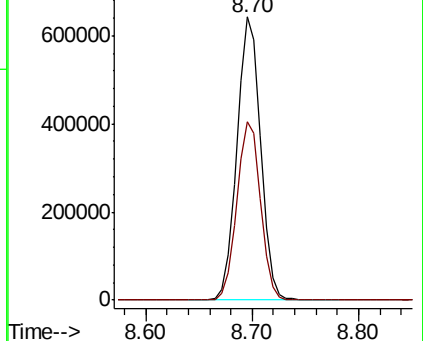
98 100

100 63.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 0.202 ug/l

RT: 8.63 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VX017624.D

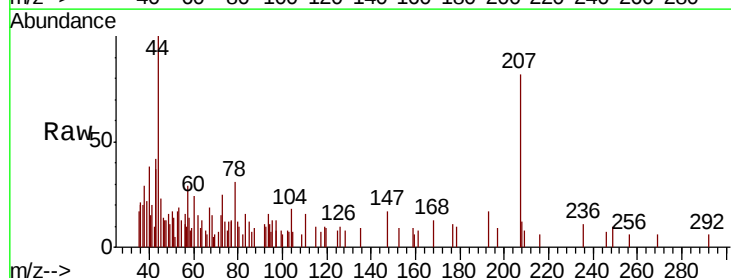
Acq: 27 Jul 2020 18:09

Tgt Ion: 43 Resp: 1692

Ion Ratio Lower Upper

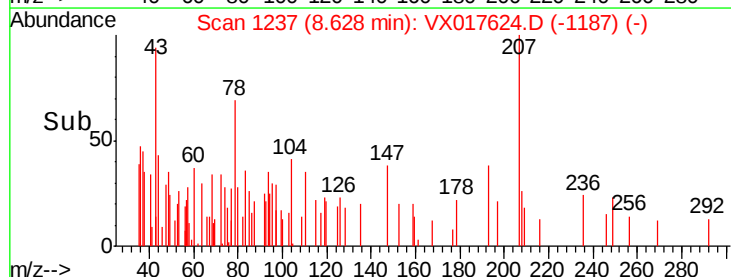
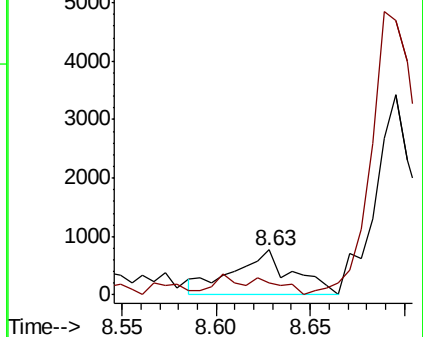
43 100

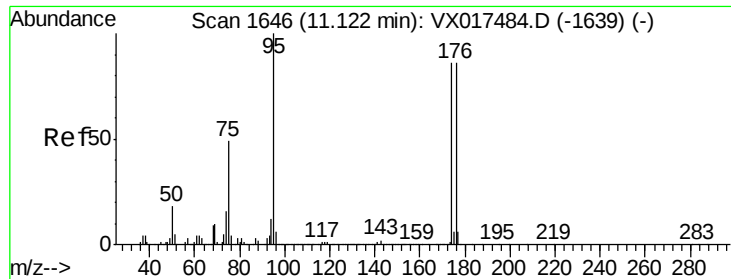
58 0.0 31.0 46.4#



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#62

4-Bromofluorobenzene

Concen: 52.629 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

VX0727WBL02

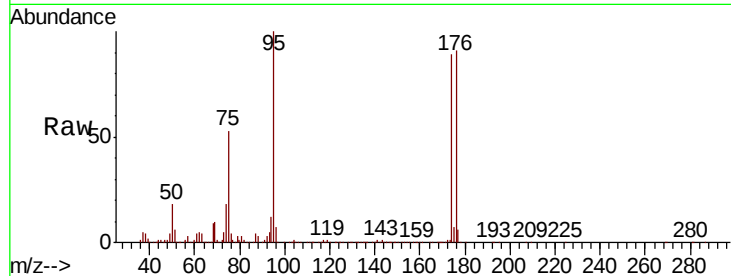
Tot Ion: 95 Resp: 411651

Ion Ratio Lower Upper

95 100

174 87.3 0.0 169.0

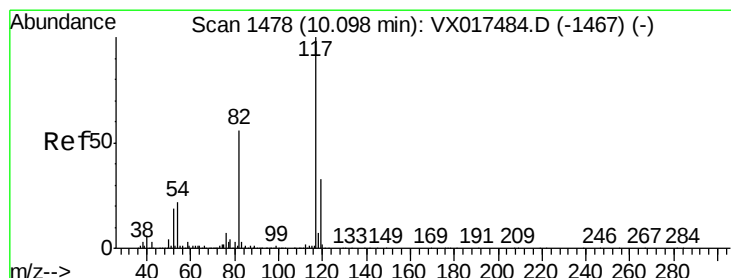
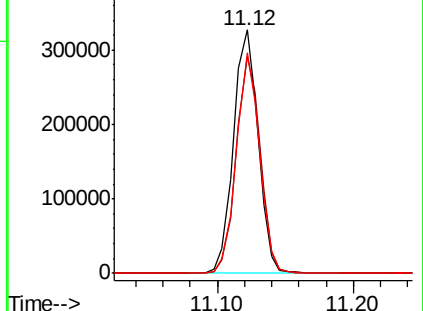
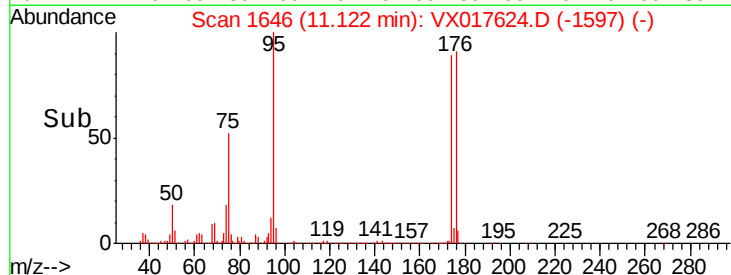
176 85.9 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX017624.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017624.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017624.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

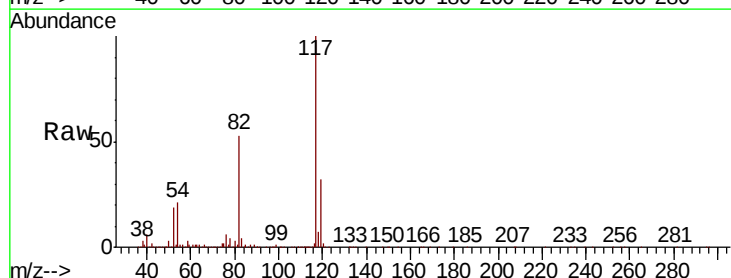
Tgt Ion: 117 Resp: 843152

Ion Ratio Lower Upper

117 100

82 52.8 44.0 66.0

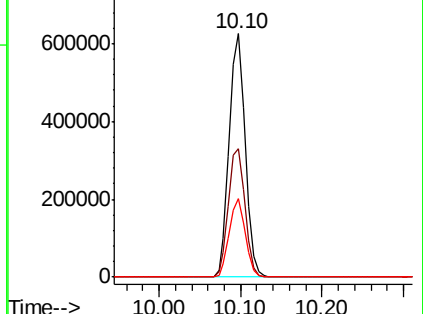
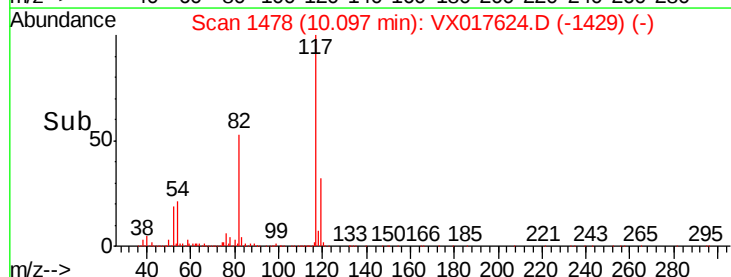
119 32.1 25.4 38.0

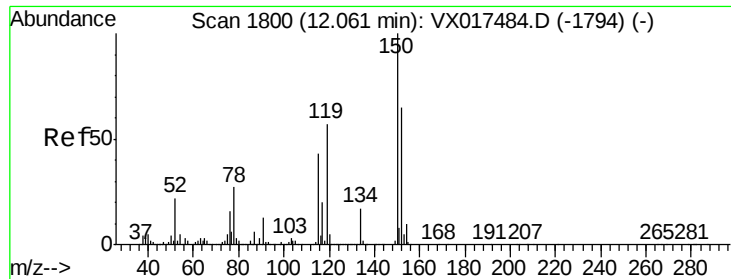


Abundance Ion 116.90 (116.60 to 117.60): VX017624.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017624.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017624.D (-1429) (-)





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

VX0727WBL02

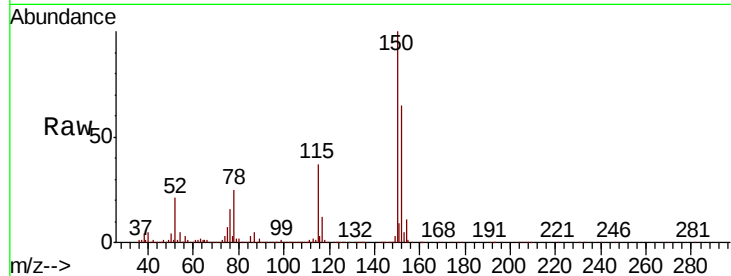
Tot Ion:152 Resp: 490038

Ion Ratio Lower Upper

152 100

115 57.3 65.5 196.6#

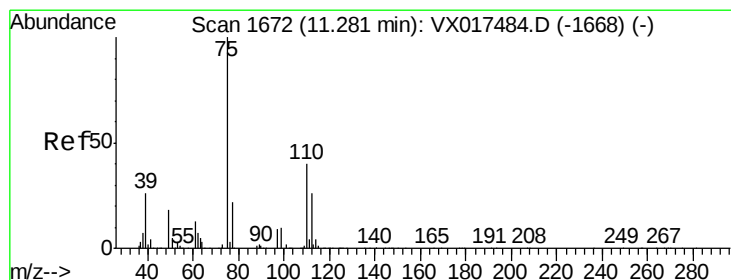
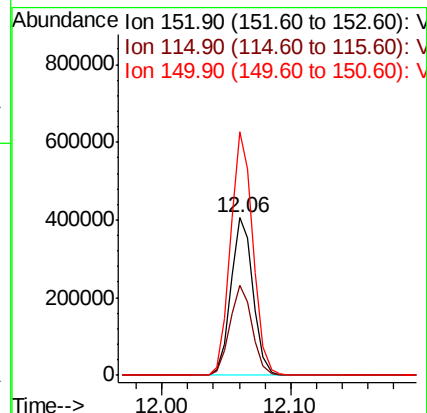
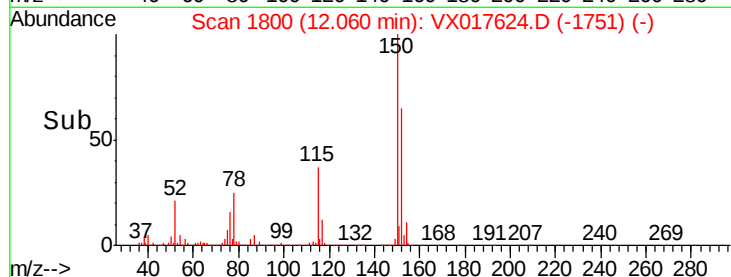
150 156.2 0.0 412.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 21.173 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017624.D

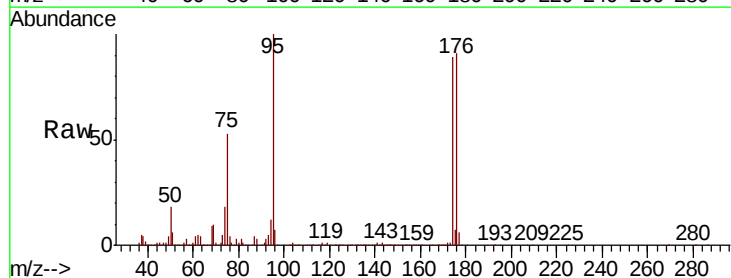
Acq: 27 Jul 2020 18:09

Tgt Ion: 75 Resp: 213429

Ion Ratio Lower Upper

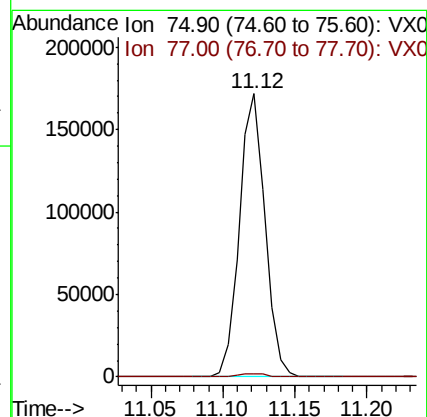
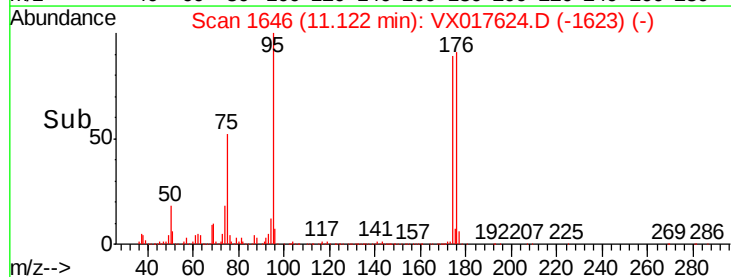
75 100

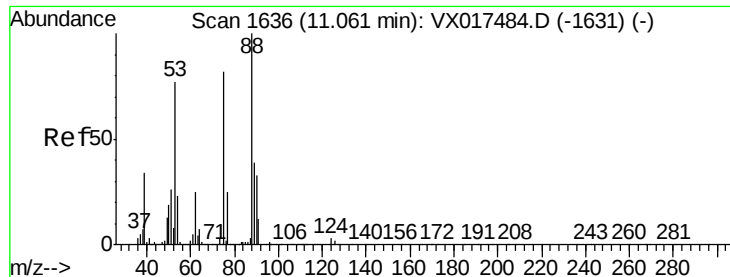
77 1.5 21.8 65.3#



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: 53.351 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

Instrument :

MSVOA_X

ClientSampleId :

VX0727WBL02

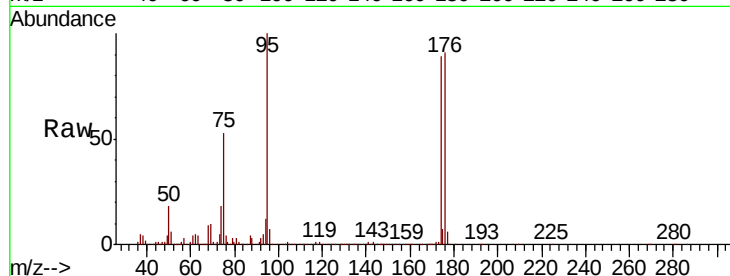
Tot Ion: 75 Resp: 213429

Ion Ratio Lower Upper

75 100

53 0.2 75.9 113.9#

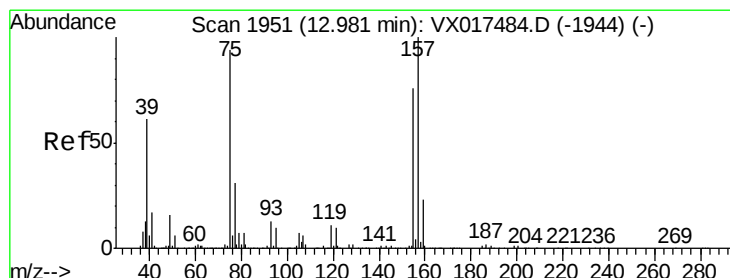
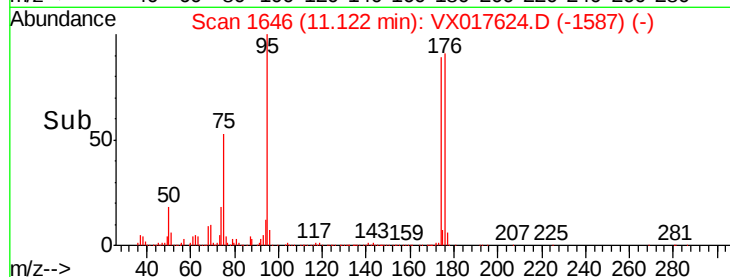
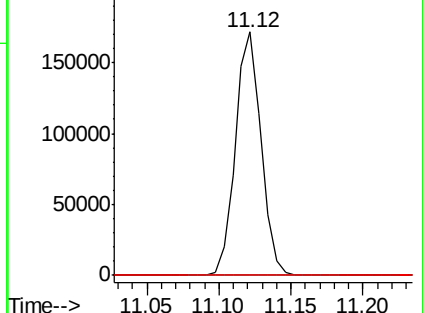
89 0.1 37.8 56.6#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 53.00 (52.70 to 53.70): VX0

Ion 88.90 (88.60 to 89.60): VX0



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.662 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017624.D

Acq: 27 Jul 2020 18:09

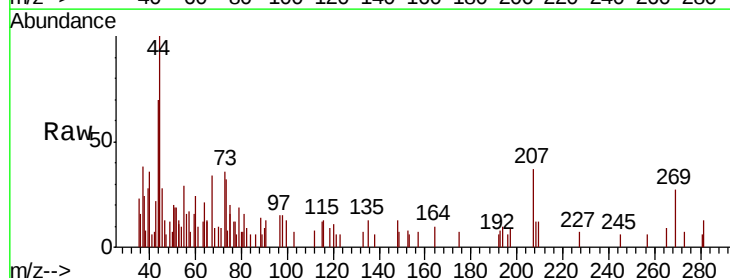
Tgt Ion: 75 Resp: 267

Ion Ratio Lower Upper

75 100

155 0.0 42.3 126.8#

157 50.2 54.3 162.9#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

