

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
 Data File : VX017725.D
 Acq On : 01 Aug 2020 01:22
 Operator : JC/SP
 Sample : PB130661ZHE#21
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#21

Quant Time: Aug 01 02:57:45 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	5.64	168	470963	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	800396	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	861820	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	466624	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	332424	54.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	109.90%	
35) Dibromofluoromethane	5.46	113	275815	51.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.04%	
50) Toluene-d8	8.70	98	1005109	52.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.10%	
62) 4-Bromofluorobenzene	11.12	95	446200	57.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.48%	

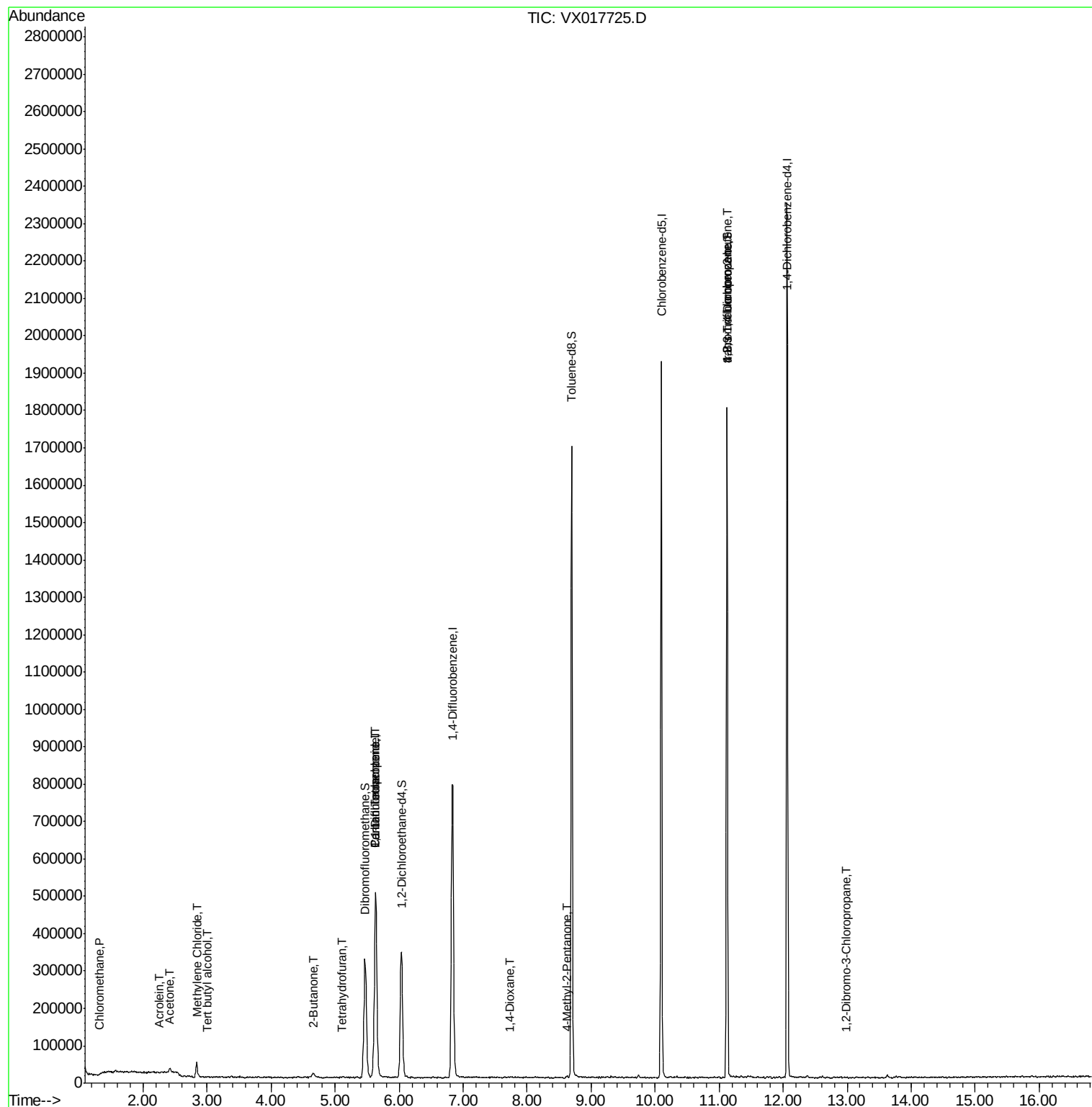
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.19	85	48	Below Cal	#	42
3) Chloromethane	1.31	50	885	0.518	ug/l #	67
5) Bromomethane	1.66	94	1085	Below Cal	#	24
6) Chloroethane	1.72	64	270	Below Cal	#	44
8) Diethyl Ether	2.16	74	623	Below Cal		91
11) Tert butyl alcohol	3.01	59	1022	0.802	ug/l #	77
13) Acrolein	2.26	56	522	4.676	ug/l #	62
16) Acetone	2.42	43	11983	4.500	ug/l	89
20) Methylene Chloride	2.84	84	18109	2.388	ug/l #	94
25) 2-Butanone	4.65	43	4369	1.155	ug/l #	81
29) Tetrahydrofuran	5.10	42	1696	0.724	ug/l #	69
36) 1,1-Dichloropropene	5.63	75	35001	4.560	ug/l #	52
38) Carbon Tetrachloride	5.63	117	49131	5.270	ug/l #	16
49) 1,4-Dioxane	7.73	88	243	1.845	ug/l #	13
51) 4-Methyl-2-Pentanone	8.62	43	3729	0.451	ug/l	95
76) 1,2,3-Trichloropropane	11.12	75	229306	23.889	ug/l #	34
81) trans-1,4-Dichloro-2-buten	11.12	75	229306	60.196	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.98	75	400	2.711	ug/l #	47

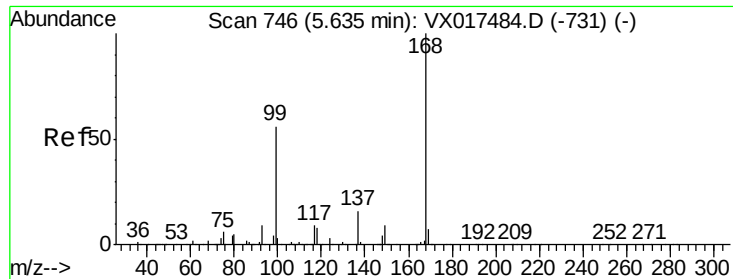
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017725.D

Acq: 01 Aug 2020 01:22

Instrument :

MSVOA_X

ClientSampleId :

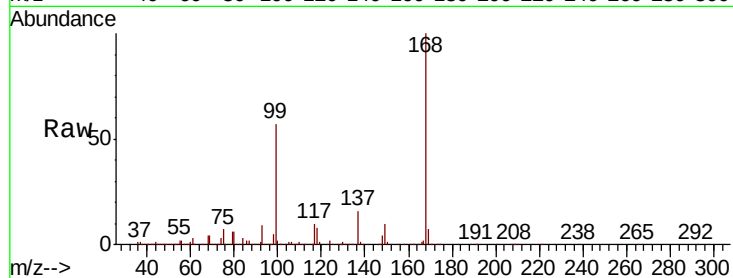
PB130661ZHE#21

Tot Ion:168 Resp: 470963

Ion Ratio Lower Upper

168 100

99 56.9 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.64

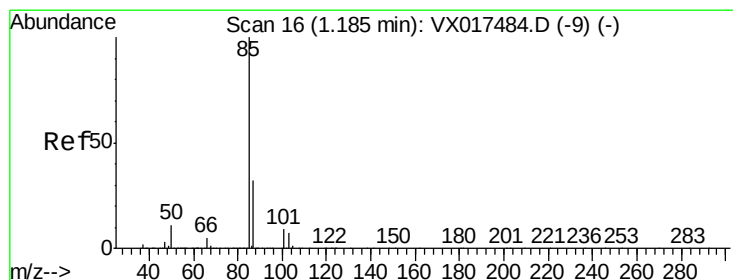
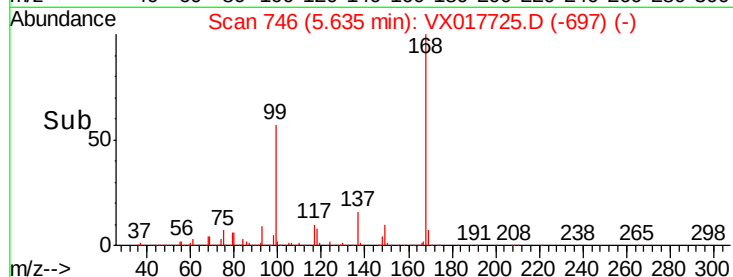
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.19 min Scan# 17

Delta R.T. 0.01 min

Lab File: VX017725.D

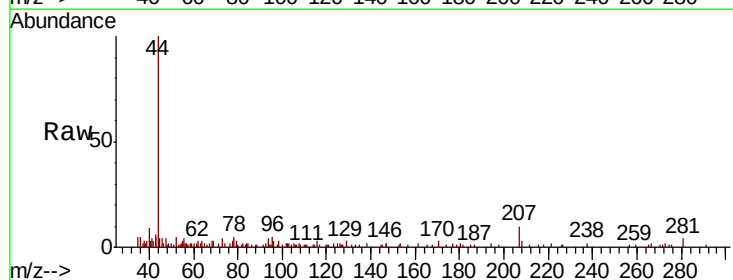
Acq: 01 Aug 2020 01:22

Tgt Ion: 85 Resp: 48

Ion Ratio Lower Upper

85 100

87 0.0 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

1.19

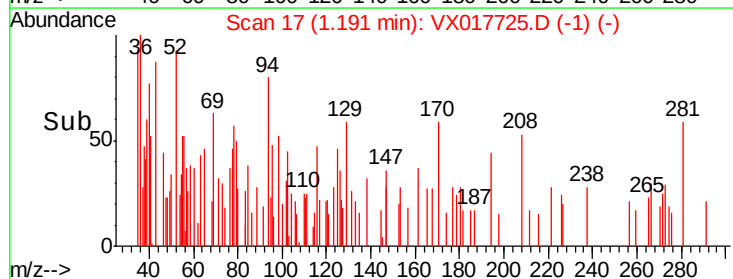
150

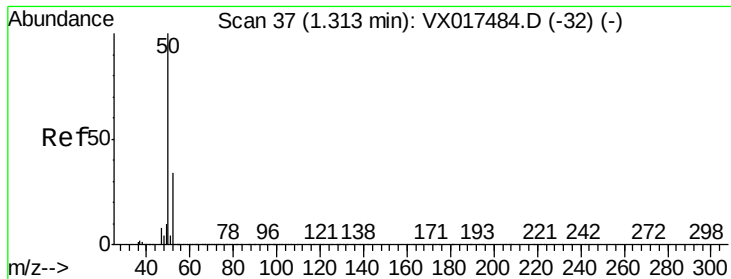
100

50

0

Time-->





#3

Chloromethane

Concen: 0.518 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017725.D

Acq: 01 Aug 2020 01:22

Instrument :

MSVOA_X

ClientSampleId :

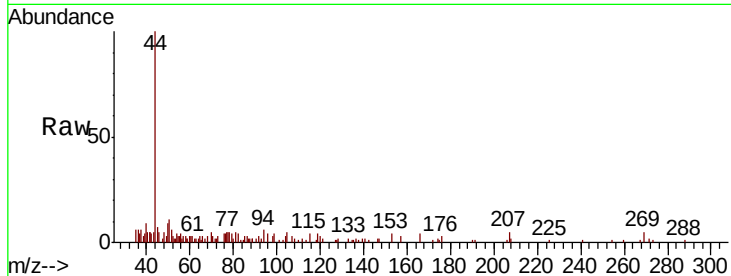
PB130661ZHE#21

Tot Ion: 50 Resp: 885

Ion Ratio Lower Upper

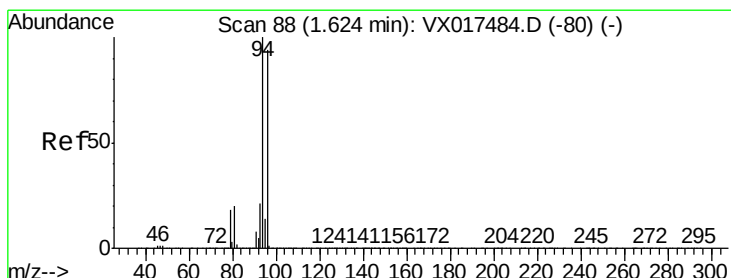
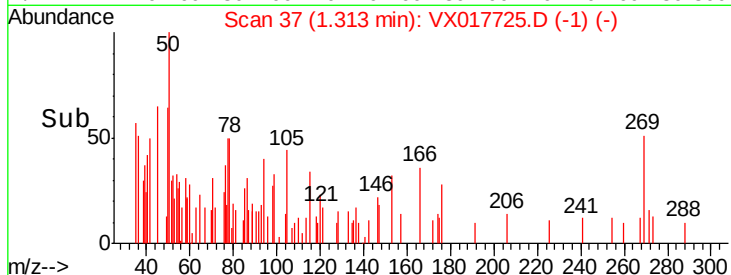
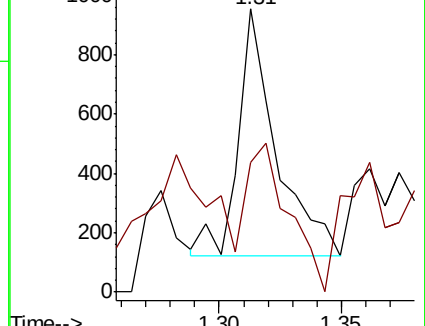
50 100

52 14.0 25.9 38.9#



Abundance Ion 49.90 (49.60 to 50.60): VX0

Ion 51.90 (51.60 to 52.60): VX0



#5

Bromomethane

Concen: Below Cal

RT: 1.66 min Scan# 94

Delta R.T. 0.04 min

Lab File: VX017725.D

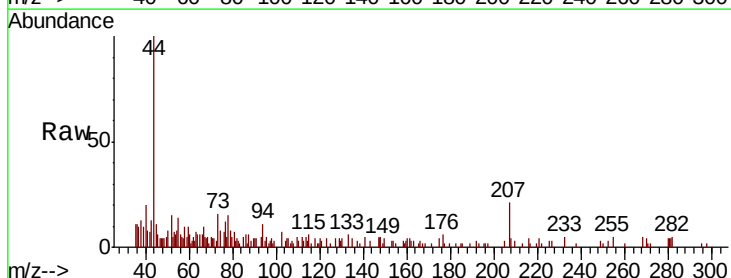
Acq: 01 Aug 2020 01:22

Tgt Ion: 94 Resp: 1085

Ion Ratio Lower Upper

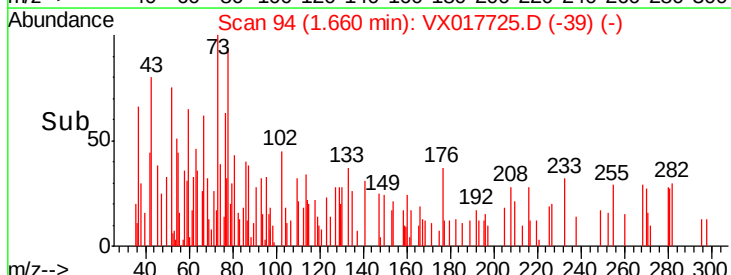
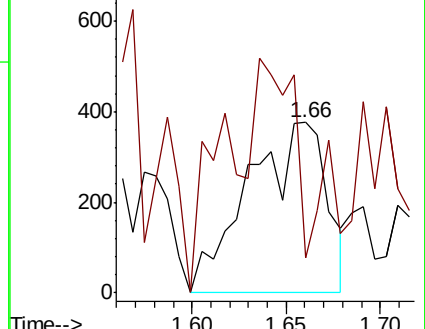
94 100

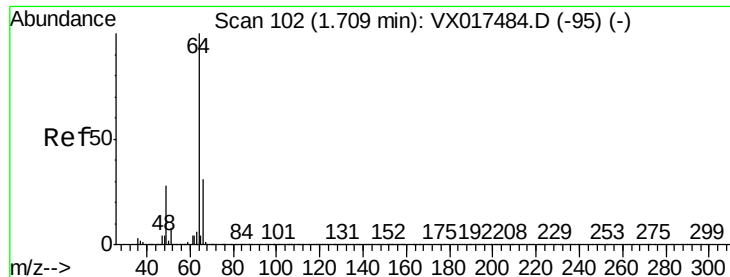
96 20.2 74.1 111.1#



Abundance Ion 93.90 (93.60 to 94.60): VX0

Ion 95.90 (95.60 to 96.60): VX0





#6

Chloroethane

Concen: Below Cal

RT: 1.72 min Scan# 103

Delta R.T. 0.01 min

Lab File: VX017725.D

Acq: 01 Aug 2020 01:22

Instrument :

MSVOA_X

ClientSampleId :

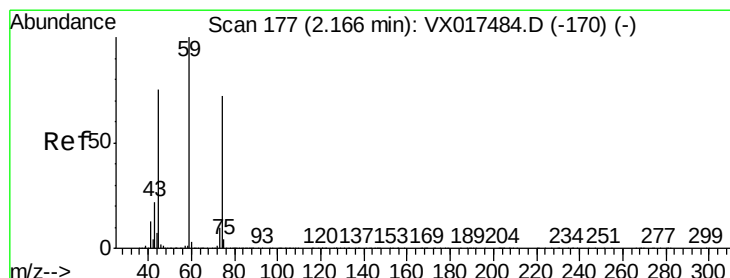
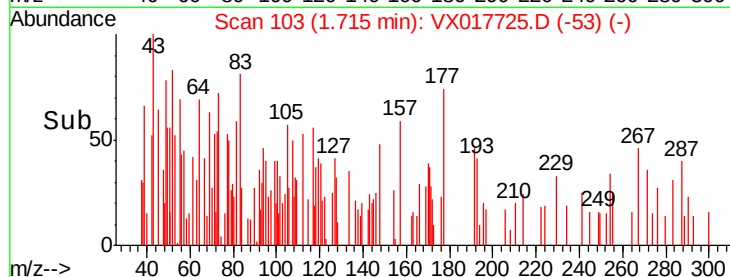
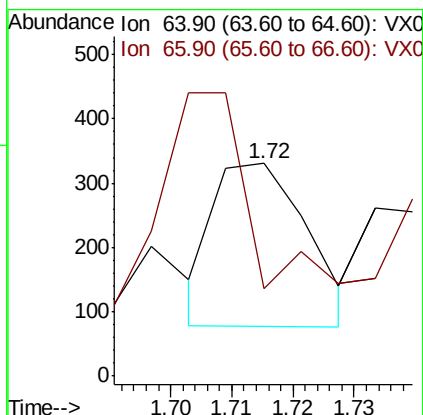
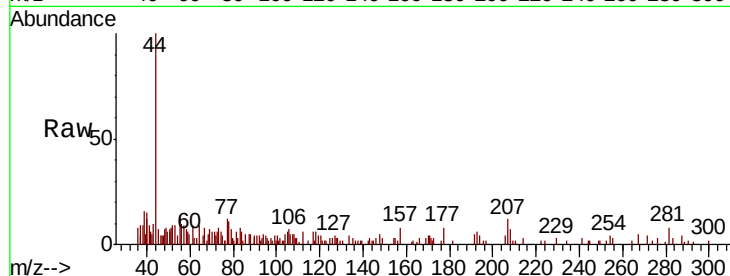
PB130661ZHE#21

Tot Ion: 64 Resp: 270

Ion Ratio Lower Upper

64 100

66 0.0 24.9 37.3#



#8

Diethyl Ether

Concen: Below Cal

RT: 2.16 min Scan# 176

Delta R.T. -0.01 min

Lab File: VX017725.D

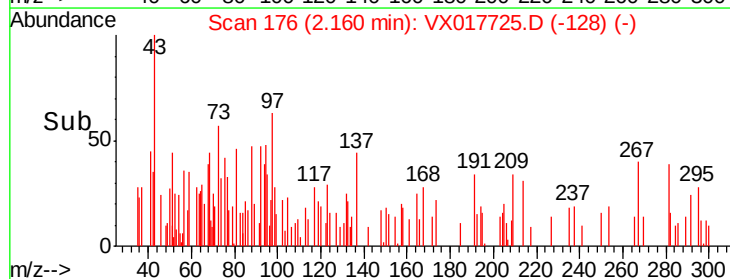
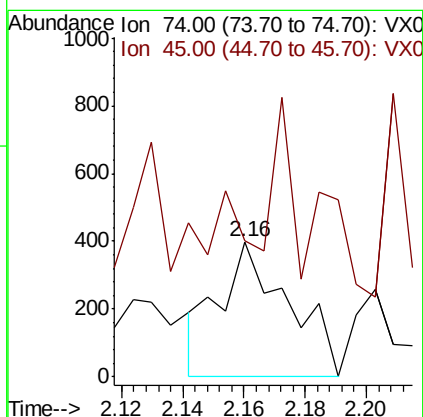
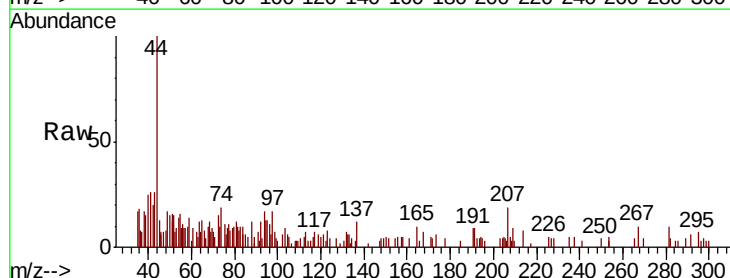
Acq: 01 Aug 2020 01:22

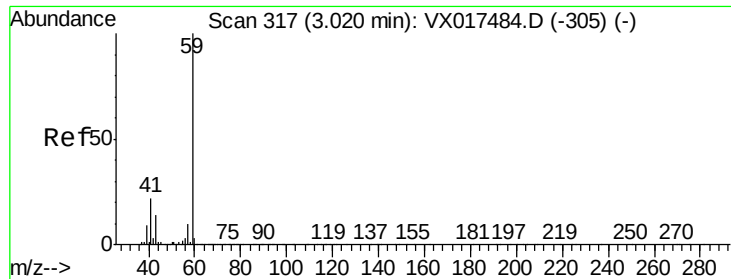
Tgt Ion: 74 Resp: 623

Ion Ratio Lower Upper

74 100

45 111.1 50.8 152.5



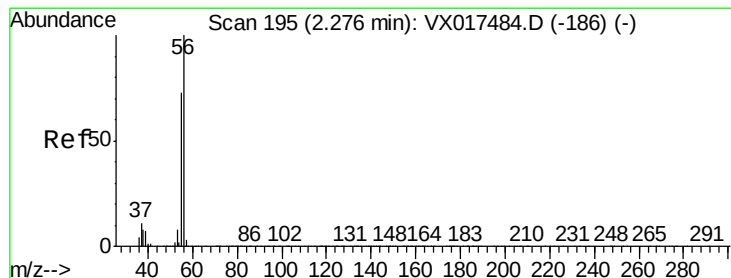
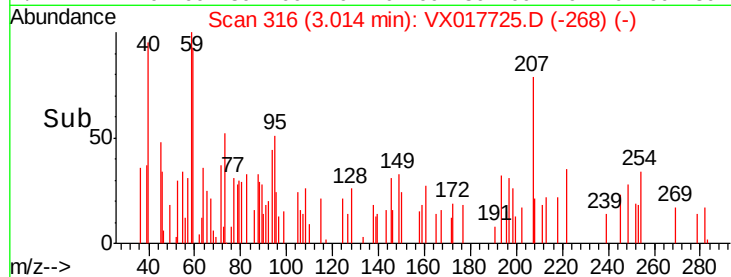
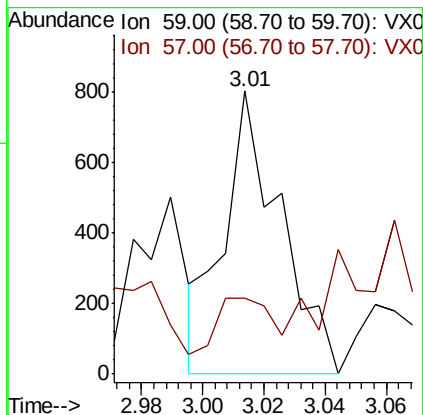
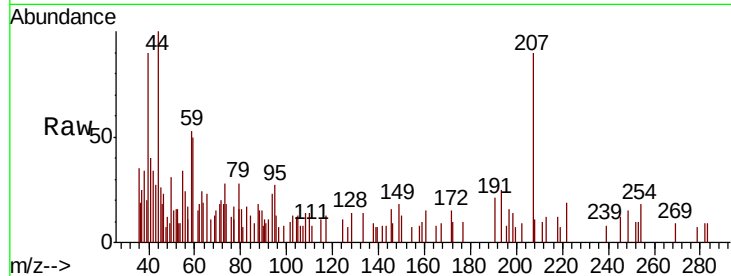


#11

Tert butyl alcohol
Concen: 0.802 ug/l
RT: 3.01 min Scan# 316
Delta R.T. -0.01 min
Lab File: VX017725.D
Acq: 01 Aug 2020 01:22

Instrument :
MSVOA_X
ClientSampleId :
PB130661ZHE#21

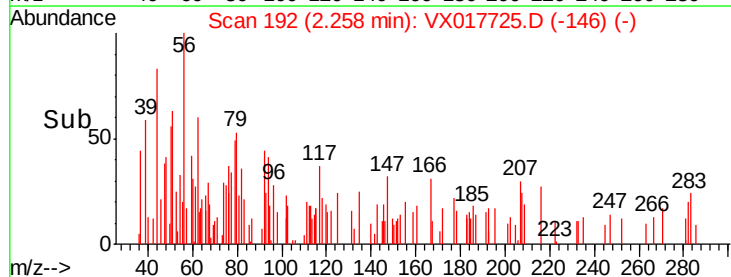
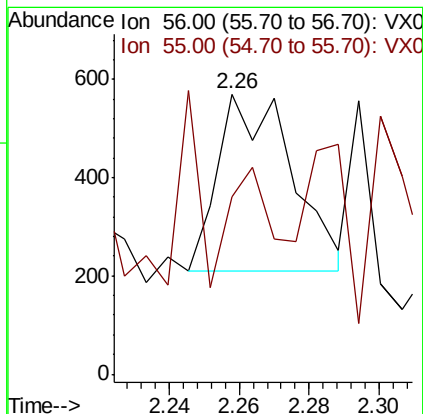
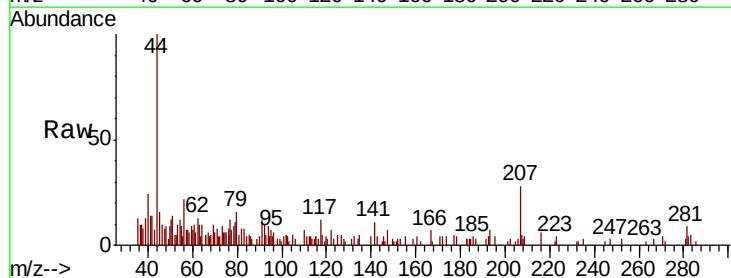
Tot Ion: 59 Resp: 1022
Ion Ratio Lower Upper
59 100
57 19.2 8.6 12.8#

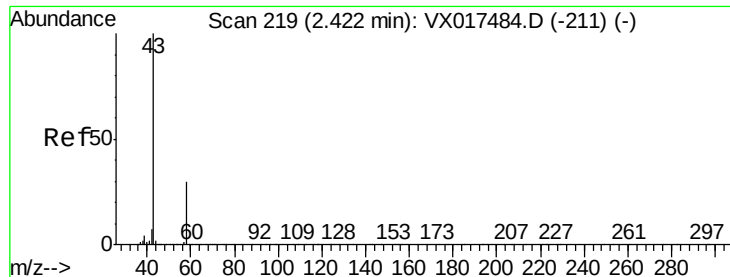


#13

Acrolein
Concen: 4.676 ug/l
RT: 2.26 min Scan# 192
Delta R.T. -0.02 min
Lab File: VX017725.D
Acq: 01 Aug 2020 01:22

Tgt Ion: 56 Resp: 522
Ion Ratio Lower Upper
56 100
55 40.0 57.4 86.2#





#16

Acetone

Concen: 4.500 ug/l

RT: 2.42 min Scan# 219

Delta R.T. -0.00 min

Lab File: VX017725.D

Acq: 01 Aug 2020 01:22

Instrument :

MSVOA_X

ClientSampleId :

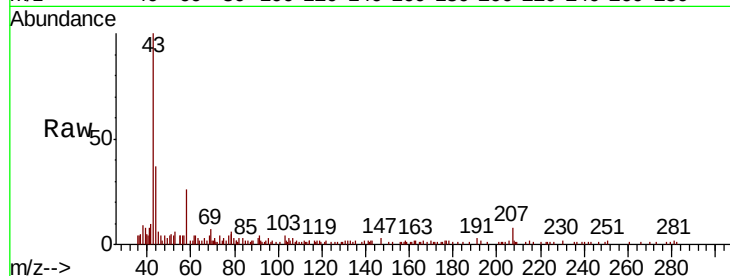
PB130661ZHE#21

Tot Ion: 43 Resp: 11983

Ion Ratio Lower Upper

43 100

58 24.4 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

2.42

8000

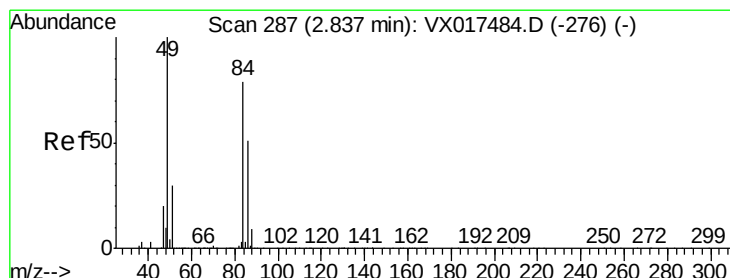
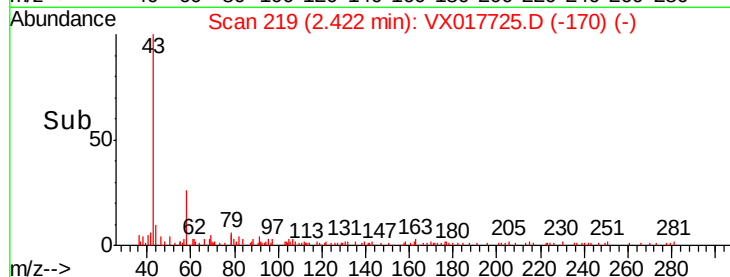
6000

4000

2000

0

Time-->



#20

Methylene Chloride

Concen: 2.388 ug/l

RT: 2.84 min Scan# 287

Delta R.T. 0.00 min

Lab File: VX017725.D

Acq: 01 Aug 2020 01:22

Tgt Ion: 84 Resp: 18109

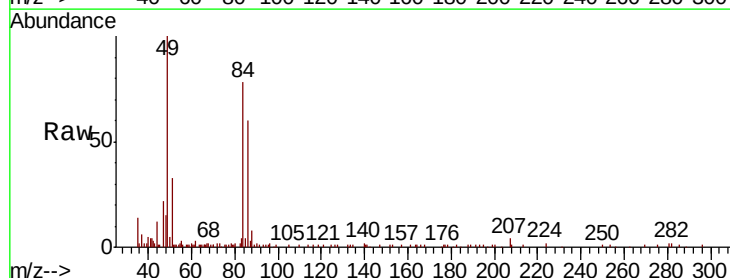
Ion Ratio Lower Upper

84 100

49 126.5 100.3 150.5

51 39.7 30.5 45.7

86 77.7 51.1 76.7#



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

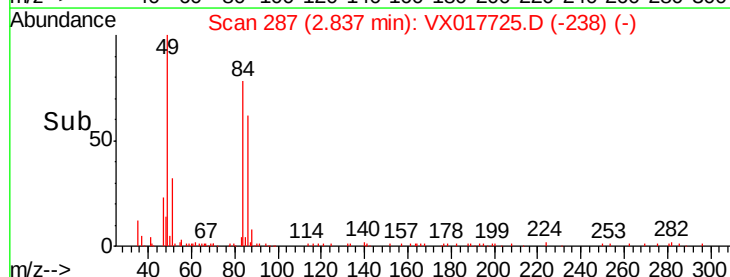
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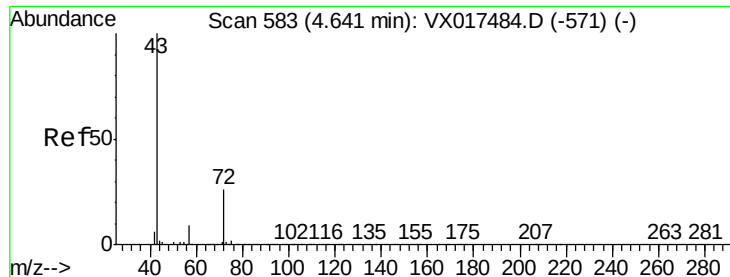
10000

5000

0

Time-->





#25

2-Butanone

Concen: 1.155 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.01 min

Lab File: VX017725.D

Acq: 01 Aug 2020 01:22

Instrument :

MSVOA_X

ClientSampleId :

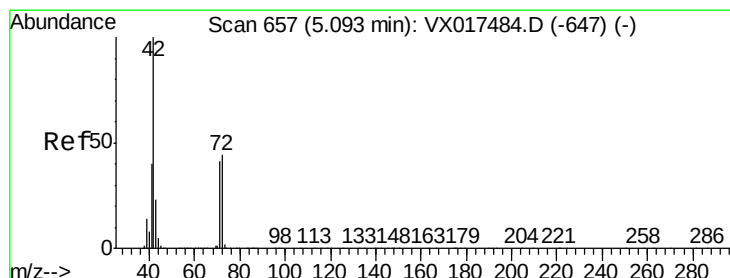
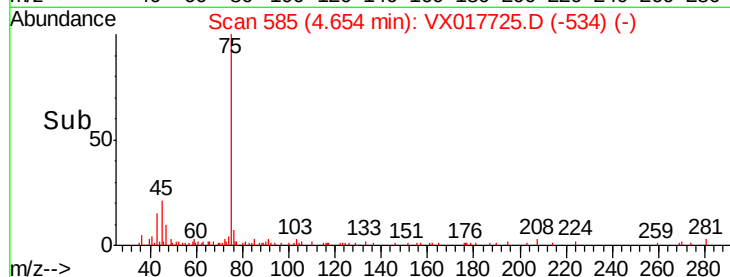
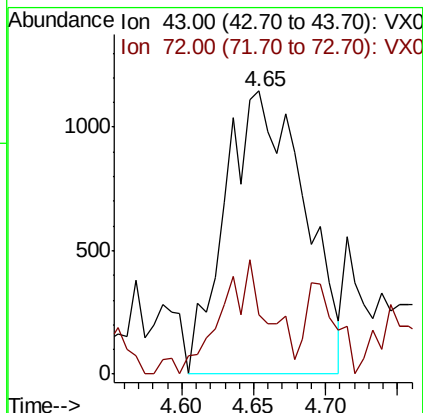
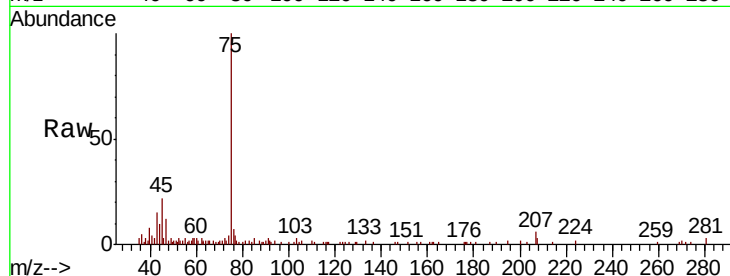
PB130661ZHE#21

Tot Ion: 43 Resp: 4369

Ion Ratio Lower Upper

43 100

72 14.4 19.0 28.4#



#29

Tetrahydrofuran

Concen: 0.724 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX017725.D

Acq: 01 Aug 2020 01:22

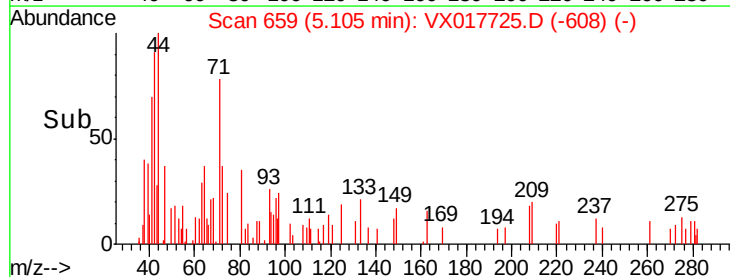
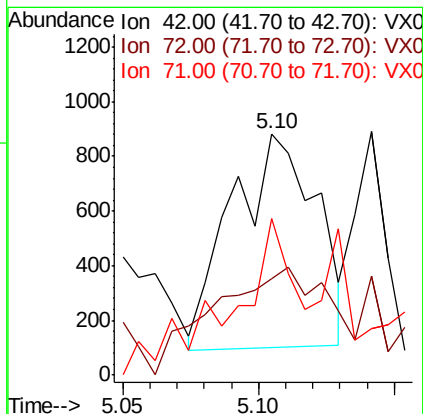
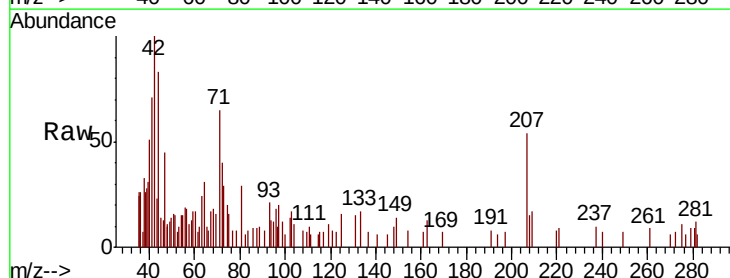
Tgt Ion: 42 Resp: 1696

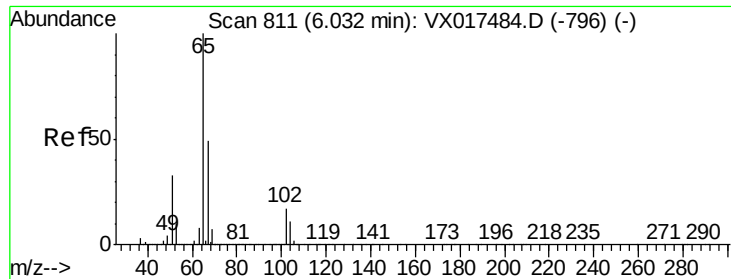
Ion Ratio Lower Upper

42 100

72 68.8 35.5 53.3#

71 56.4 33.0 49.4#

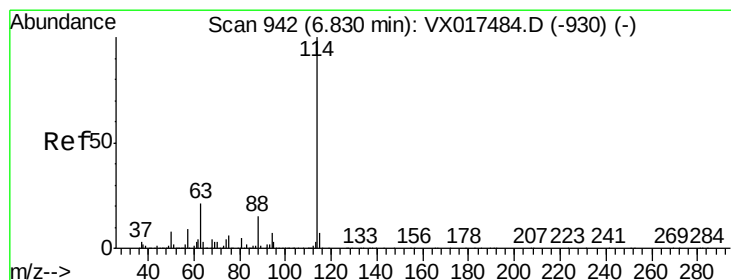
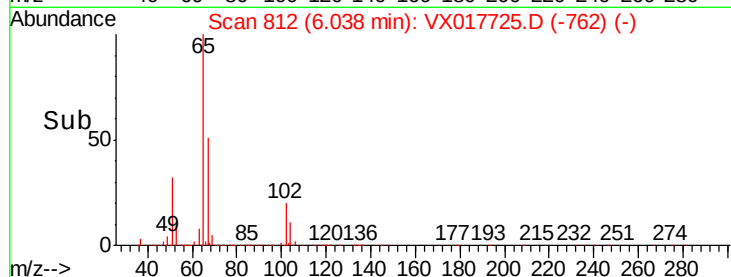
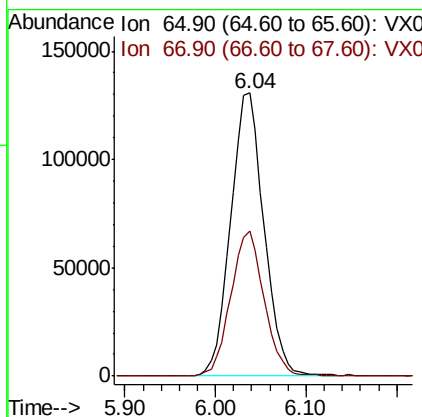
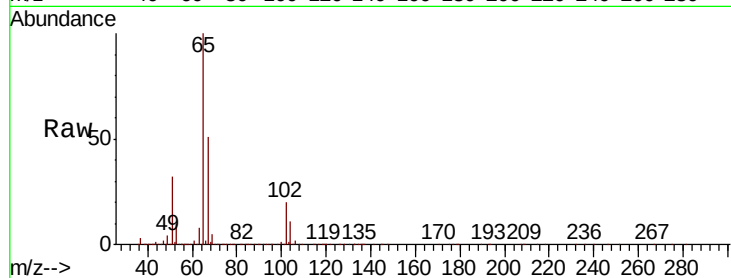




#33
 1,2-Dichloroethane-d4
 Concen: 54.949 ug/l
 RT: 6.04 min Scan# 812
 Delta R.T. 0.01 min
 Lab File: VX017725.D
 Acq: 01 Aug 2020 01:22

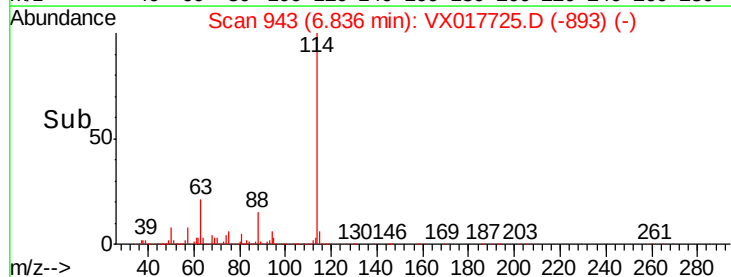
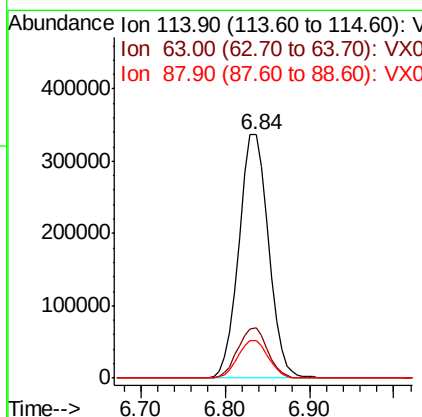
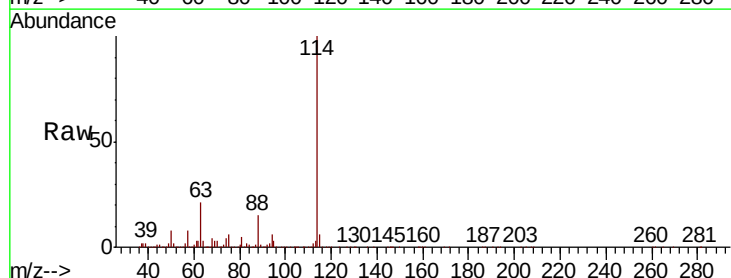
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#21

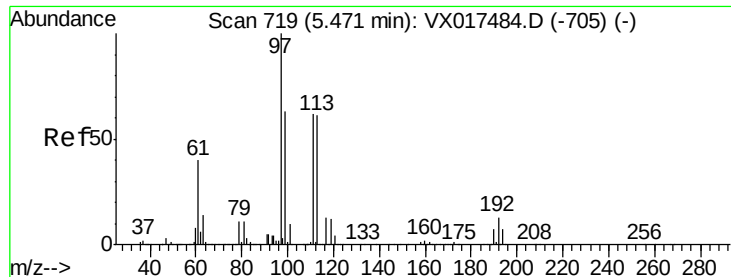
Tot Ion: 65 Resp: 332424
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.84 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VX017725.D
 Acq: 01 Aug 2020 01:22

Tgt Ion: 114 Resp: 800396
 Ion Ratio Lower Upper
 114 100
 63 20.5 0.0 40.6
 88 15.4 0.0 33.4

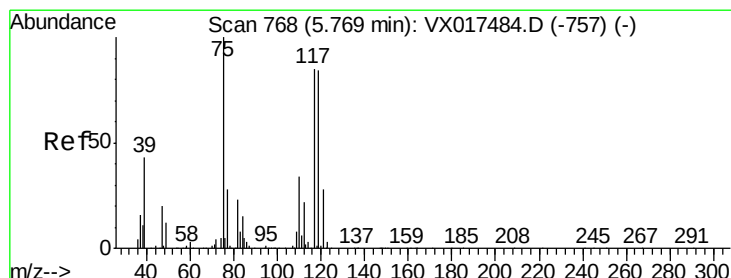
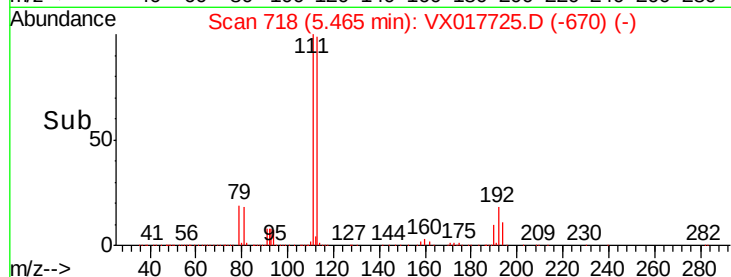
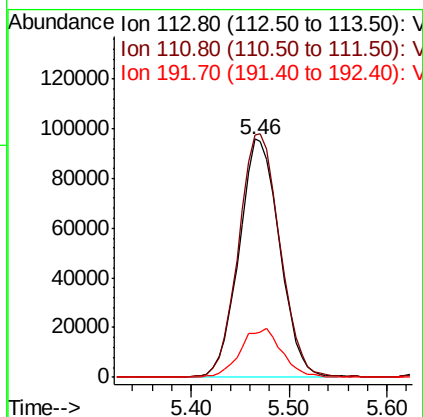
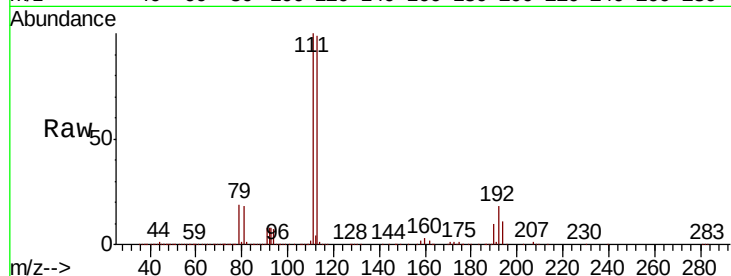




#35
 Dibromofluoromethane
 Concen: 51.524 ug/l
 RT: 5.46 min Scan# 718
 Delta R.T. -0.01 min
 Lab File: VX017725.D
 Acq: 01 Aug 2020 01:22

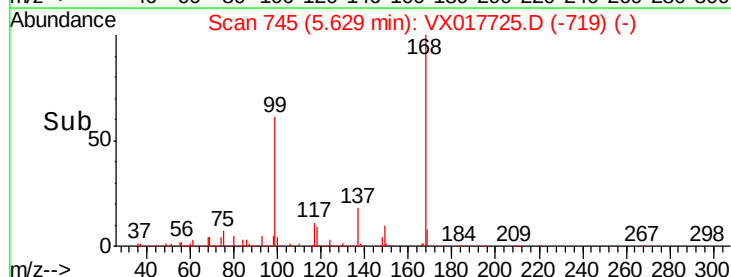
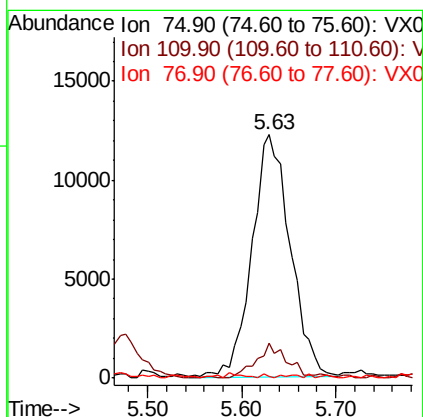
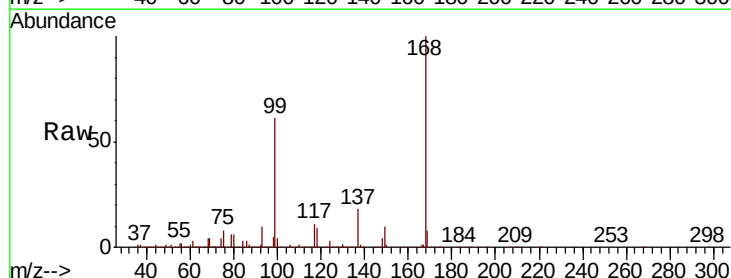
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#21

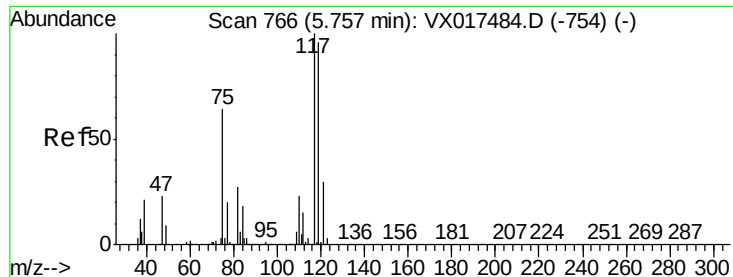
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.4	80.7	121.1
192	20.9	16.9	25.3



#36
 1,1-Dichloropropene
 Concen: 4.560 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017725.D
 Acq: 01 Aug 2020 01:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	11.6	18.1	54.3#
77	0.3	24.6	37.0#





#38

Carbon Tetrachloride

Concen: 5.270 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017725.D

Acq: 01 Aug 2020 01:22

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#21

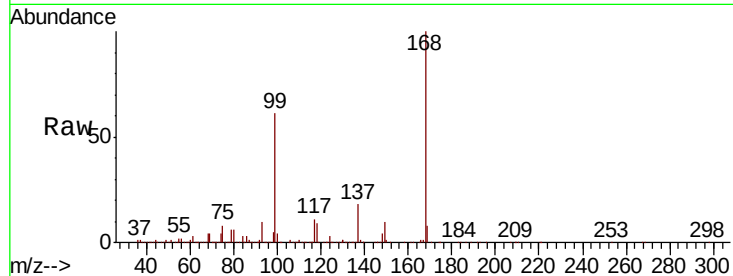
Tot Ion:117 Resp: 49131

Ion Ratio Lower Upper

117 100

119 4.1 75.4 113.0#

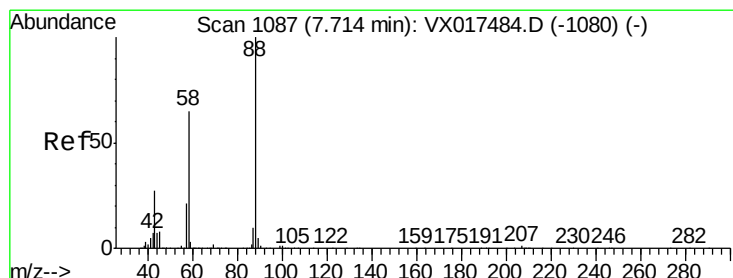
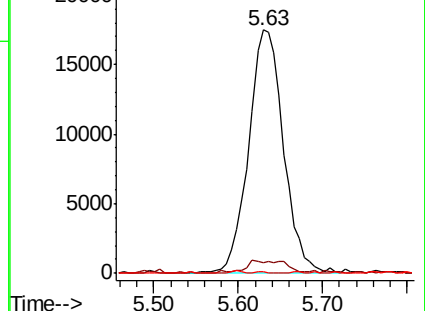
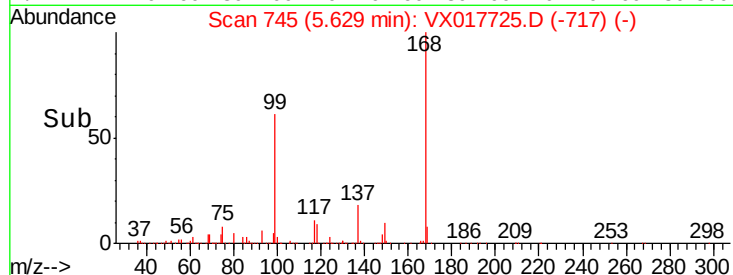
121 0.8 24.3 36.5#



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: 1.845 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX017725.D

Acq: 01 Aug 2020 01:22

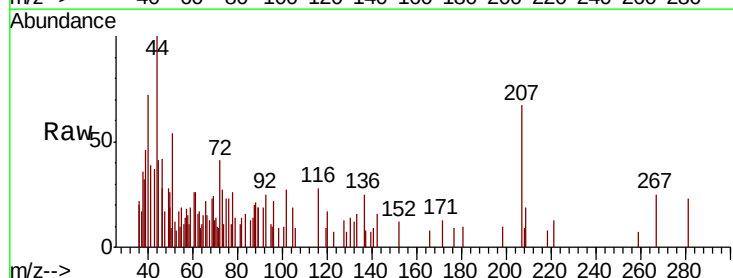
Tgt Ion: 88 Resp: 243

Ion Ratio Lower Upper

88 100

43 58.4 27.8 41.6#

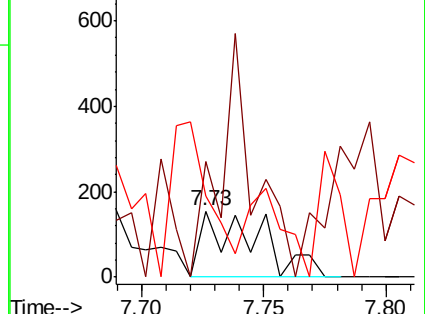
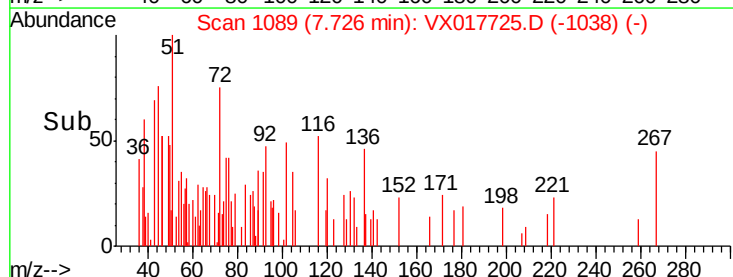
58 164.2 58.3 87.5#

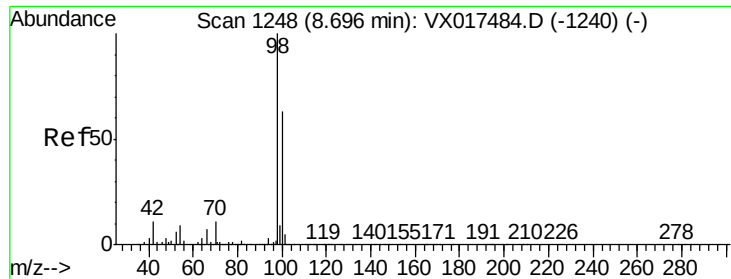


Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

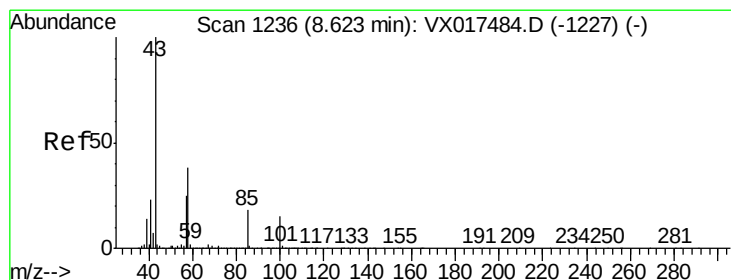
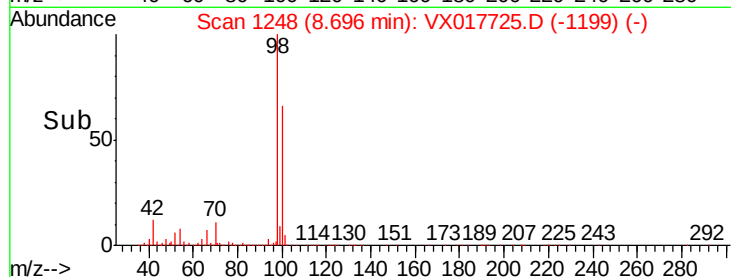
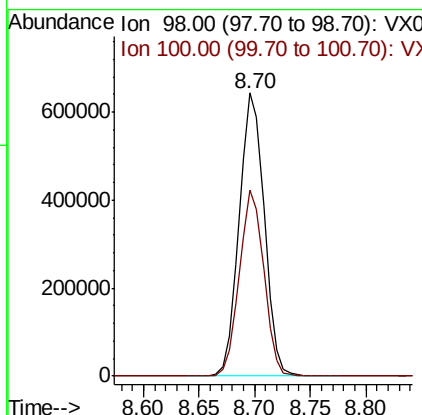
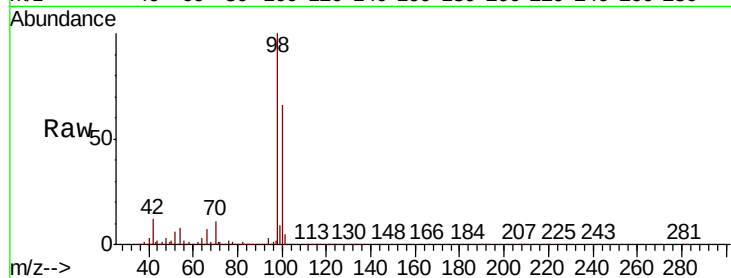




#50
Toluene-d8
Concen: 52.048 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017725.D
Acq: 01 Aug 2020 01:22

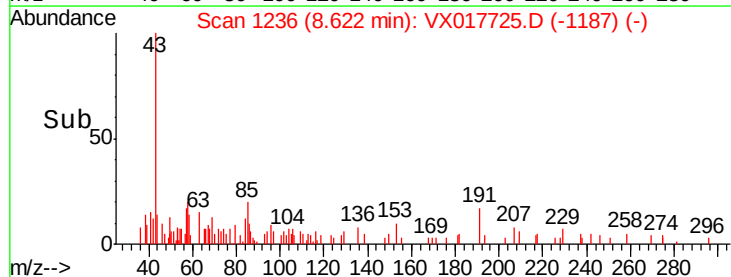
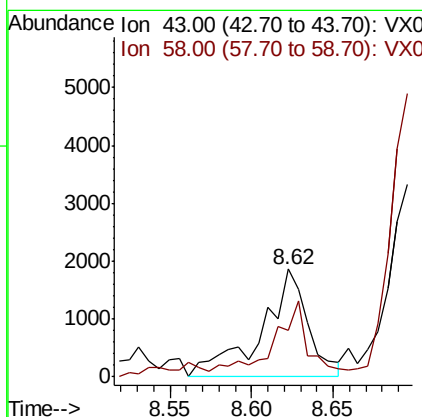
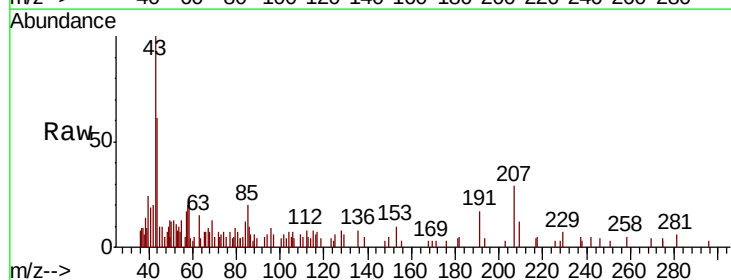
Instrument :
MSVOA_X
ClientSampleId :
PB130661ZHE#21

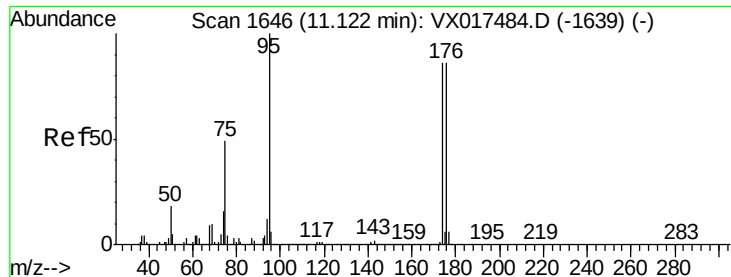
Tot Ion: 98 Resp: 1005109
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#51
4-Methyl-2-Pentanone
Concen: 0.451 ug/l
RT: 8.62 min Scan# 1236
Delta R.T. -0.00 min
Lab File: VX017725.D
Acq: 01 Aug 2020 01:22

Tgt Ion: 43 Resp: 3729
Ion Ratio Lower Upper
43 100
58 41.7 31.0 46.4





#62

4-Bromofluorobenzene

Concen: 57.735 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017725.D

Acq: 01 Aug 2020 01:22

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#21

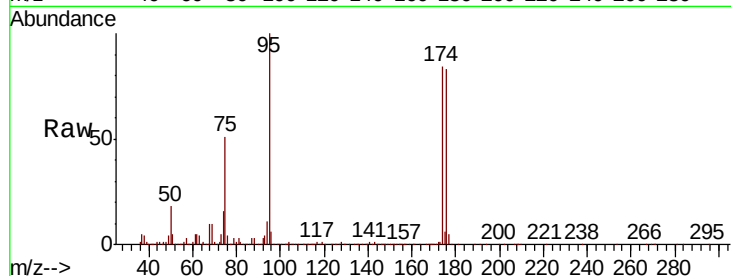
Tot Ion: 95 Resp: 446200

Ion Ratio Lower Upper

95 100

174 83.3 0.0 169.0

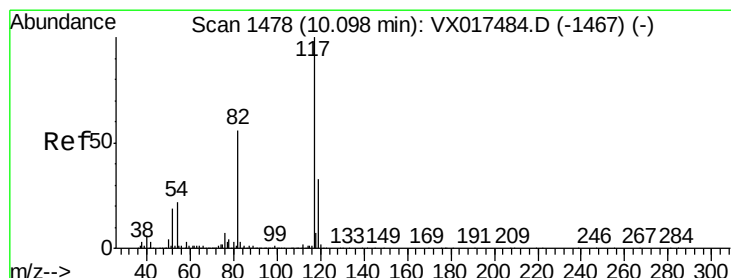
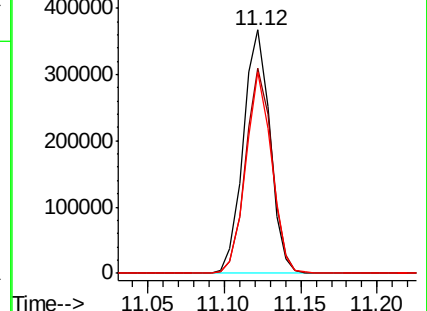
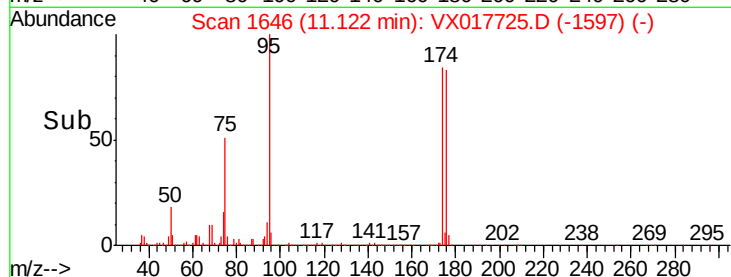
176 79.9 0.0 161.0



Abundance Ion 94.90 (94.60 to 95.60): VX017725.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017725.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017725.D (-1597) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017725.D

Acq: 01 Aug 2020 01:22

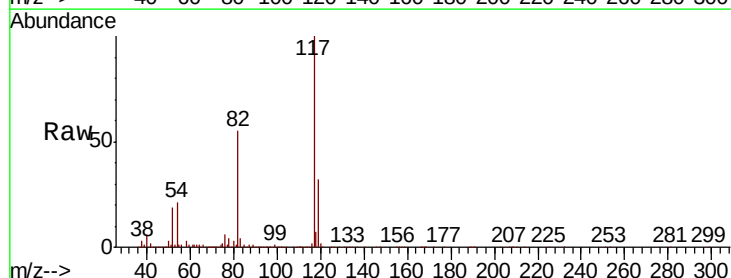
Tgt Ion: 117 Resp: 861820

Ion Ratio Lower Upper

117 100

82 54.6 44.0 66.0

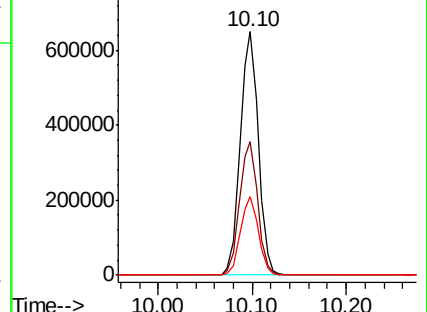
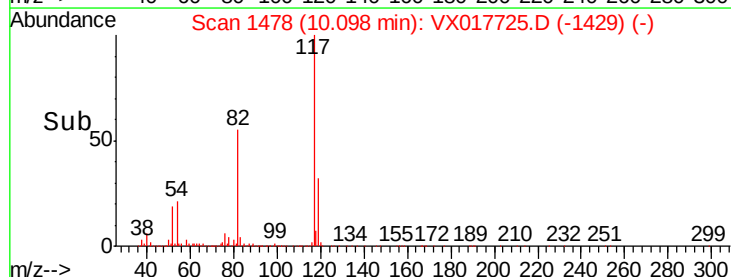
119 32.5 25.4 38.0

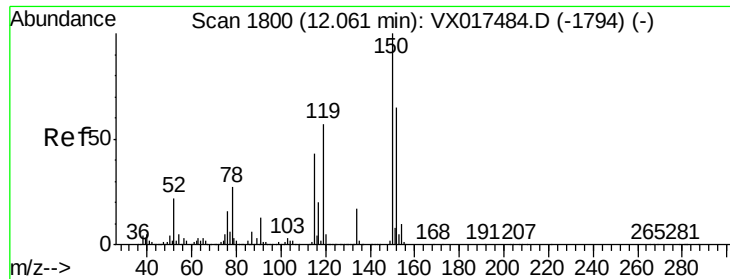


Abundance Ion 116.90 (116.60 to 117.60): VX017725.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017725.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017725.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: VX017725.D

Acq: 01 Aug 2020 01:22

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#21

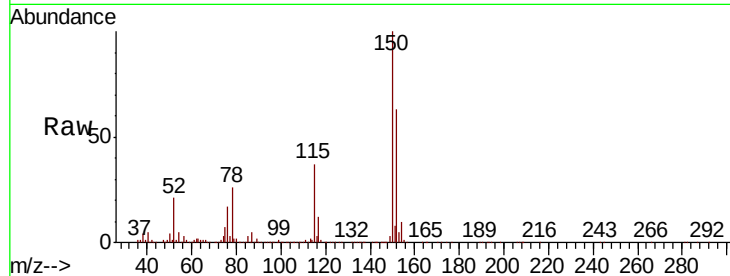
Tot Ion:152 Resp: 466624

Ion Ratio Lower Upper

152 100

115 59.5 65.5 196.6#

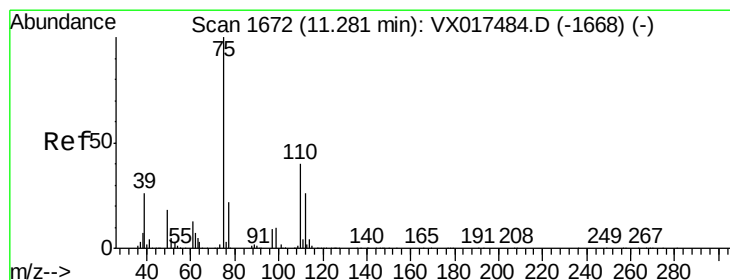
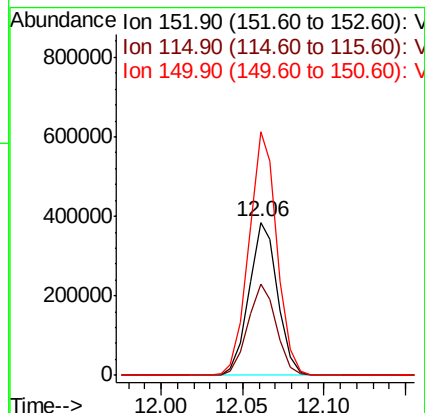
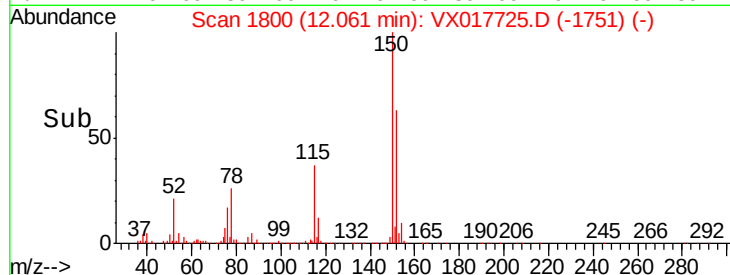
150 157.1 0.0 412.6



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: 23.889 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017725.D

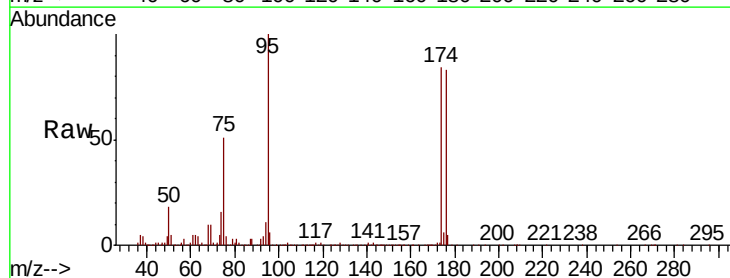
Acq: 01 Aug 2020 01:22

Tgt Ion: 75 Resp: 229306

Ion Ratio Lower Upper

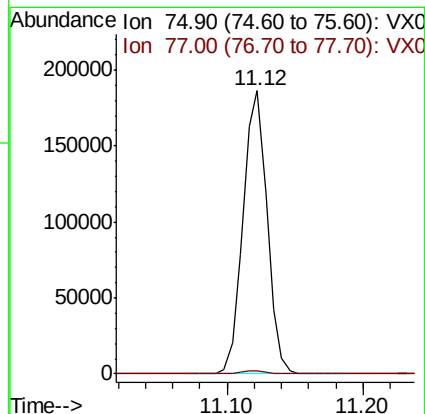
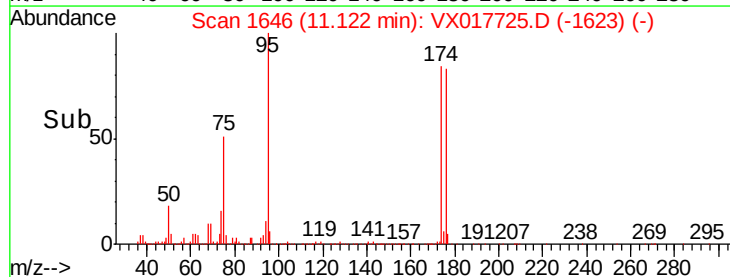
75 100

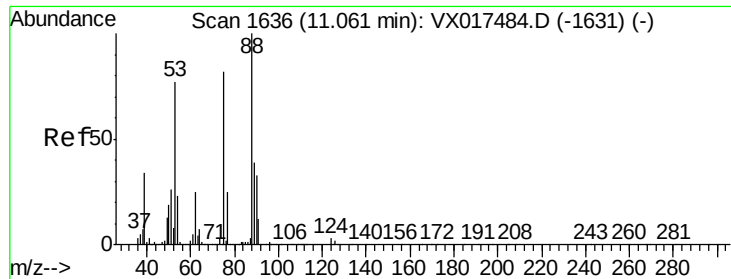
77 1.2 21.8 65.3#



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: 60.196 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017725.D

Acq: 01 Aug 2020 01:22

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#21

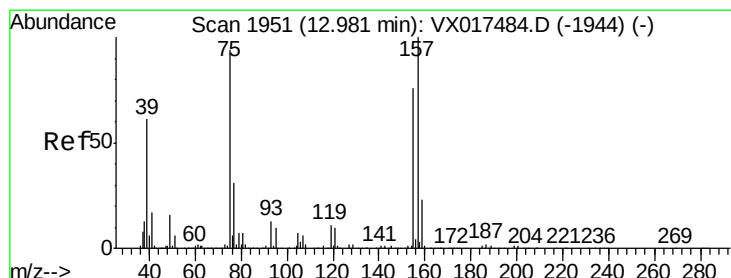
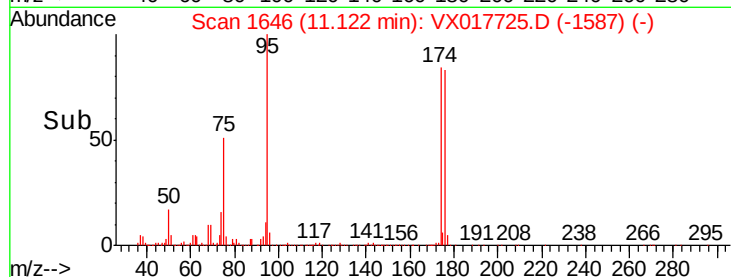
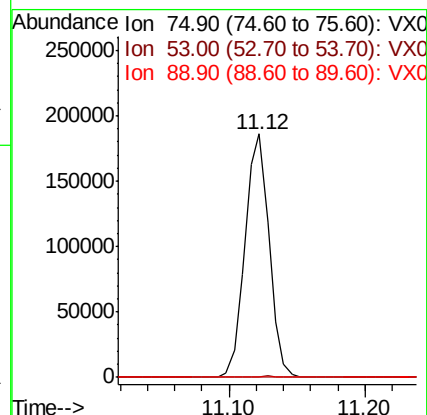
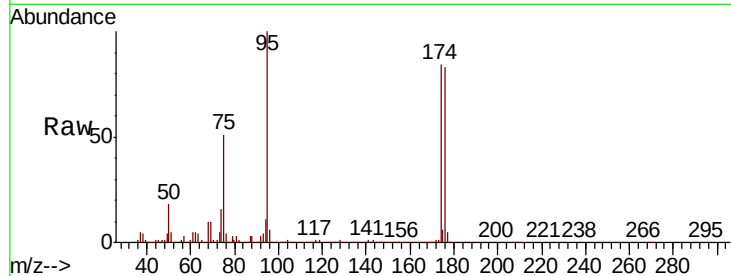
Tot Ion: 75 Resp: 229306

Ion Ratio Lower Upper

75 100

53 0.6 75.9 113.9#

89 0.0 37.8 56.6#



#92

1,2-Dibromo-3-Chloropropane

Concen: 2.711 ug/l

RT: 12.98 min Scan# 1951

Delta R.T. 0.00 min

Lab File: VX017725.D

Acq: 01 Aug 2020 01:22

Tgt Ion: 75 Resp: 400

Ion Ratio Lower Upper

75 100

155 45.0 42.3 126.8

157 44.8 54.3 162.9#

