

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
 Data File : VX017731.D
 Acq On : 01 Aug 2020 03:39
 Operator : JC/SP
 Sample : PB130661ZHE#27
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 47 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#27

Quant Time: Aug 01 05:13:00 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	434191	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	720526	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	786934	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	421172	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	309974	55.58	ug/l	0.00
Spiked Amount			Recovery	=	111.16%	
35) Dibromofluoromethane	5.46	113	259197	53.79	ug/l	0.00
Spiked Amount			Recovery	=	107.58%	
50) Toluene-d8	8.70	98	894233	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
62) 4-Bromofluorobenzene	11.12	95	398043	57.21	ug/l	0.00
Spiked Amount			Recovery	=	114.42%	

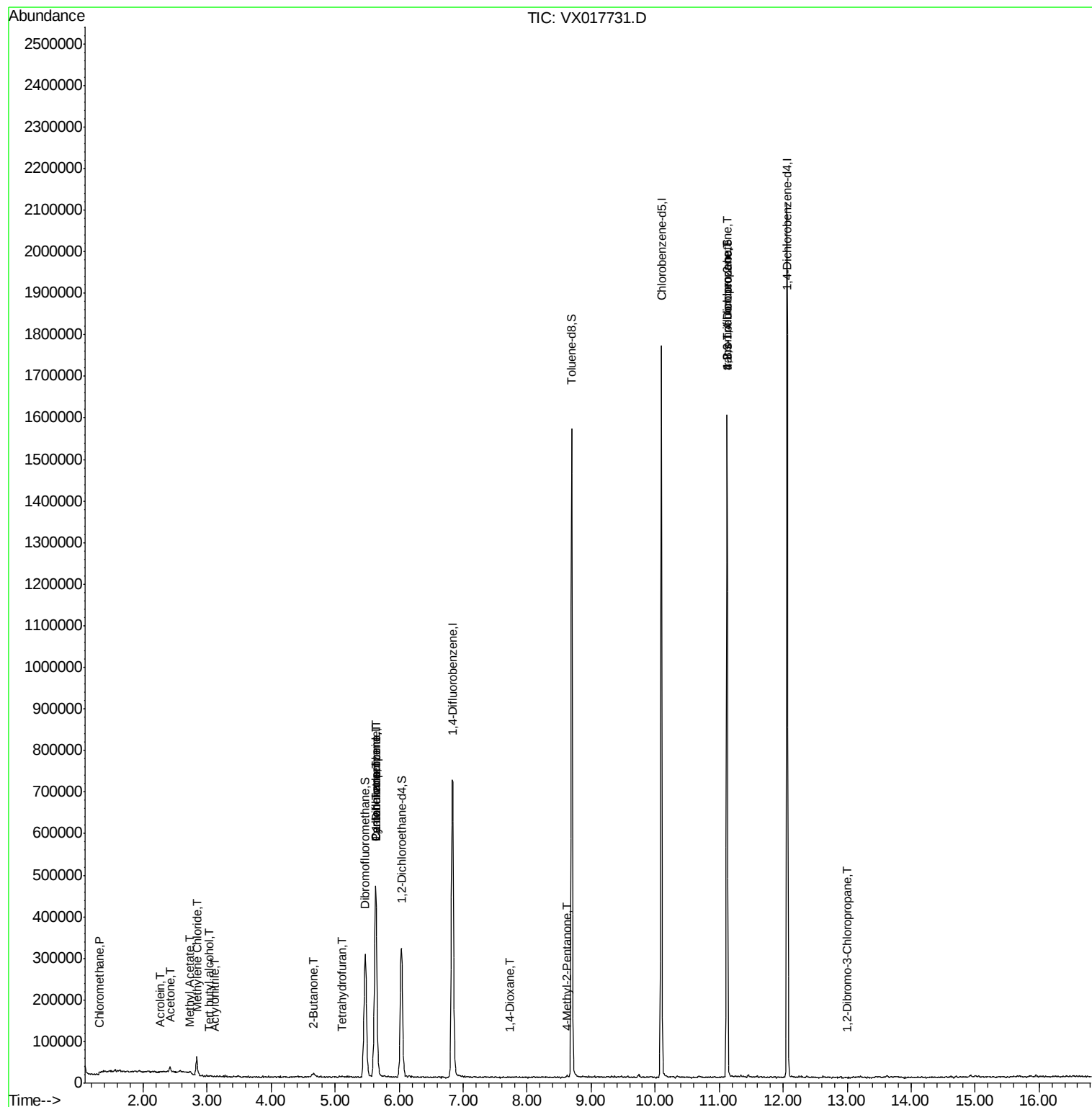
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.21	85	393	Below Cal	#	42
3) Chloromethane	1.31	50	1212	0.591	ug/l #	43
5) Bromomethane	1.65	94	865	Below Cal	#	66
6) Chloroethane	1.70	64	461	Below Cal	#	49
8) Diethyl Ether	2.12	74	391	Below Cal		61
11) Tert butyl alcohol	3.03	59	291	0.248	ug/l #	1
13) Acrolein	2.26	56	584	4.788	ug/l #	18
15) Acrylonitrile	3.11	53	550	0.217	ug/l #	22
16) Acetone	2.42	43	13892	5.659	ug/l	89
18) Methyl Acetate	2.74	43	1499	0.259	ug/l #	74
20) Methylene Chloride	2.84	84	19536	3.019	ug/l	86
25) 2-Butanone	4.65	43	3436	0.985	ug/l	93
29) Tetrahydrofuran	5.11	42	3364	1.557	ug/l #	84
31) Cyclohexane	5.64	56	9958	1.448	ug/l #	27
36) 1,1-Dichloropropene	5.63	75	34120	4.937	ug/l #	53
38) Carbon Tetrachloride	5.64	117	44223	5.270	ug/l #	17
49) 1,4-Dioxane	7.72	88	55	0.464	ug/l #	1
51) 4-Methyl-2-Pentanone	8.62	43	3086	0.415	ug/l #	86
76) 1,2,3-Trichloropropane	11.12	75	205973	23.774	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	205973	59.906	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.99	75	305	2.690	ug/l #	12

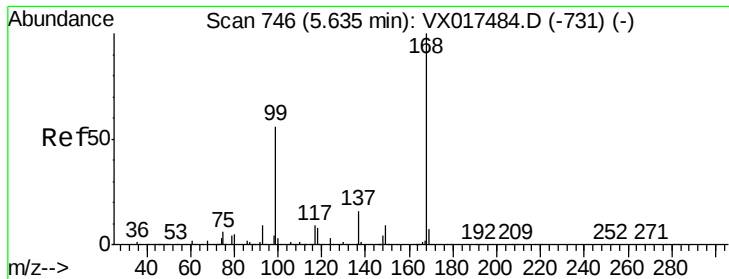
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX073120\
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Acq On : 01 Aug 2020 03:39
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Quant Time: Aug 01 05:13:00 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: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017731.D

Acq: 01 Aug 2020 03:39

Instrument :

MSVOA_X

ClientSampleId :

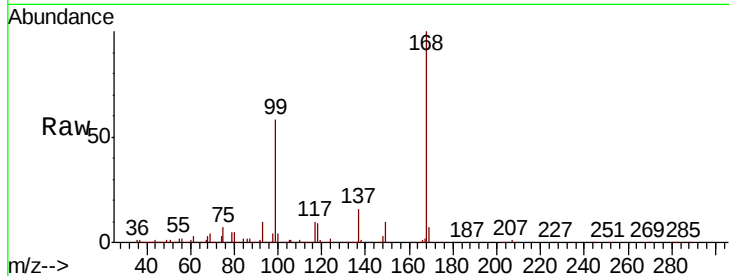
PB130661ZHE#27

Tot Ion:168 Resp: 434191

Ion Ratio Lower Upper

168 100

99 58.2 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

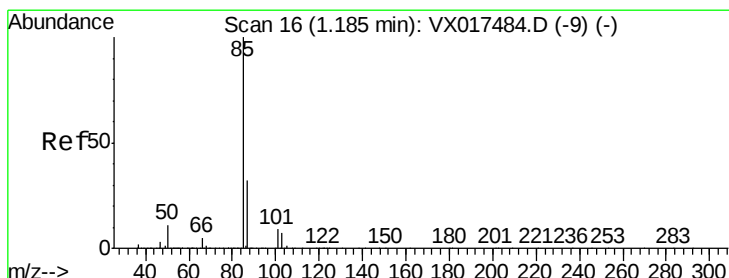
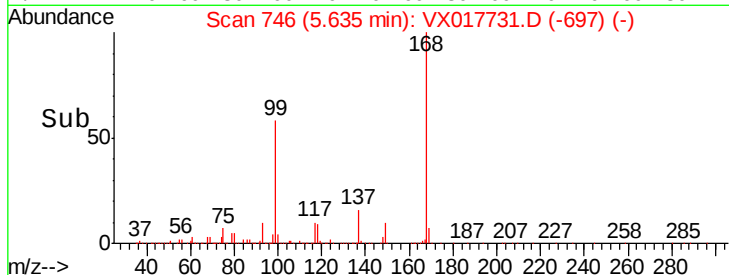
100000

50000

0

Time-->

5.50 5.60 5.70 5.80



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.21 min Scan# 20

Delta R.T. 0.03 min

Lab File: VX017731.D

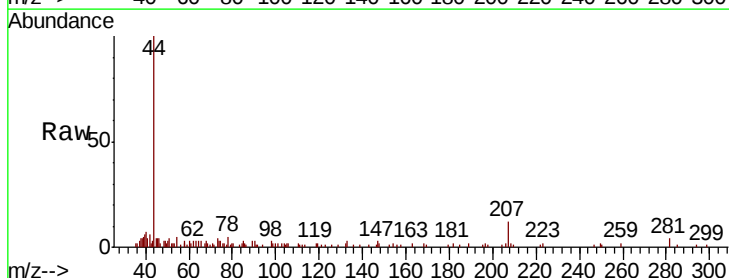
Acq: 01 Aug 2020 03:39

Tgt Ion: 85 Resp: 393

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

1.21

300

250

200

150

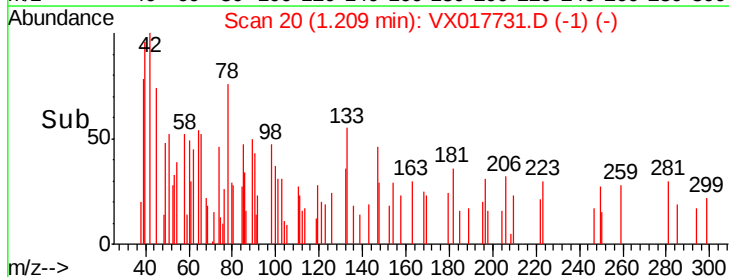
100

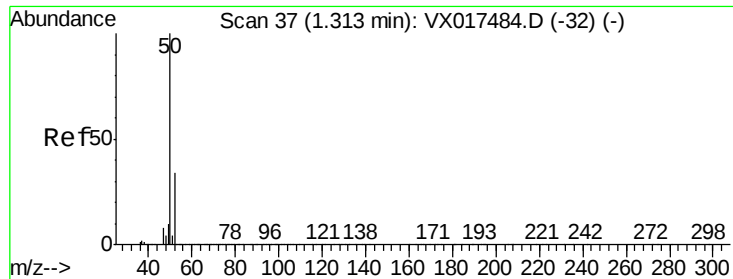
50

0

Time-->

1.16 1.18 1.20 1.22 1.24





#3

Chloromethane

Concen: 0.591 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017731.D

Acq: 01 Aug 2020 03:39

Instrument :

MSVOA_X

ClientSampleId :

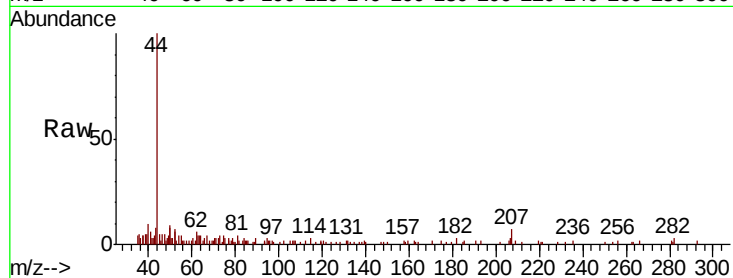
PB130661ZHE#27

Tot Ion: 50 Resp: 1212

Ion Ratio Lower Upper

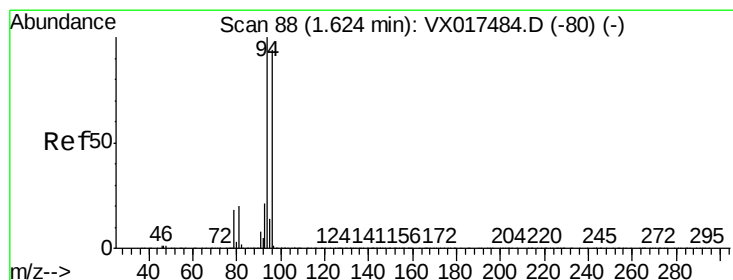
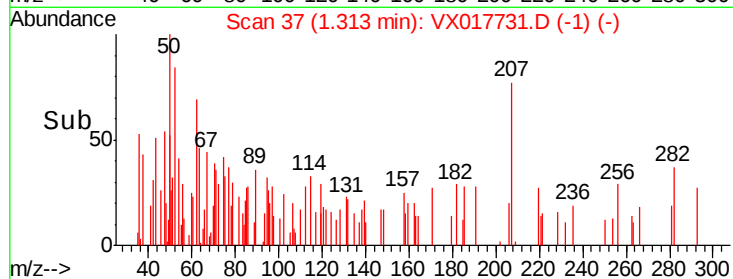
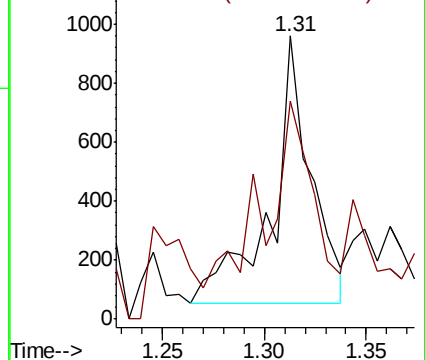
50 100

52 64.6 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: 1.65 min Scan# 92

Delta R.T. 0.02 min

Lab File: VX017731.D

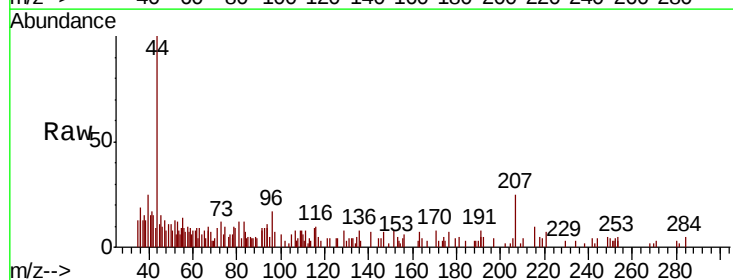
Acq: 01 Aug 2020 03:39

Tgt Ion: 94 Resp: 865

Ion Ratio Lower Upper

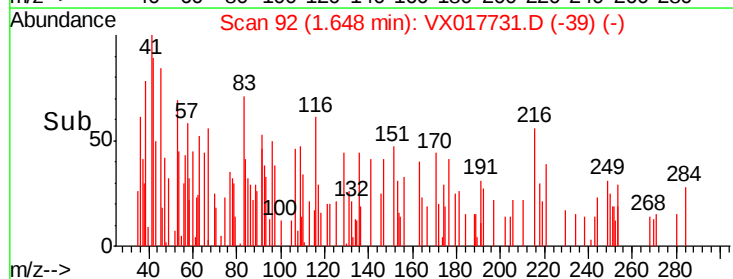
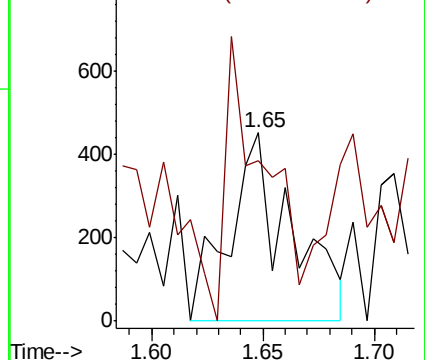
94 100

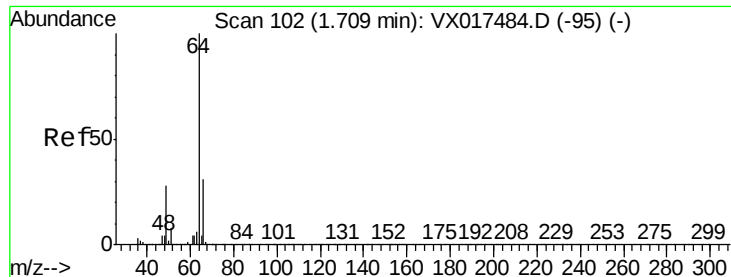
96 125.4 74.1 111.1#



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: 1.70 min Scan# 101

Delta R.T. -0.01 min

Lab File: VX017731.D

Acq: 01 Aug 2020 03:39

Instrument :

MSVOA_X

ClientSampleId :

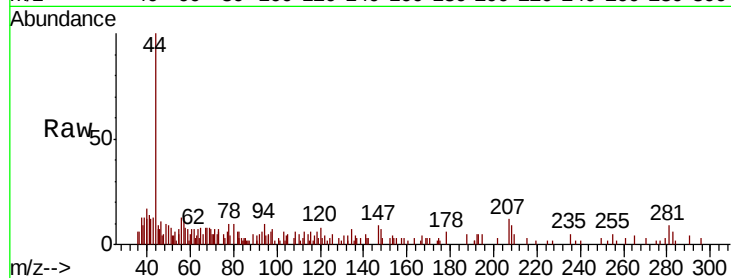
PB130661ZHE#27

Tot Ion: 64 Resp: 461

Ion Ratio Lower Upper

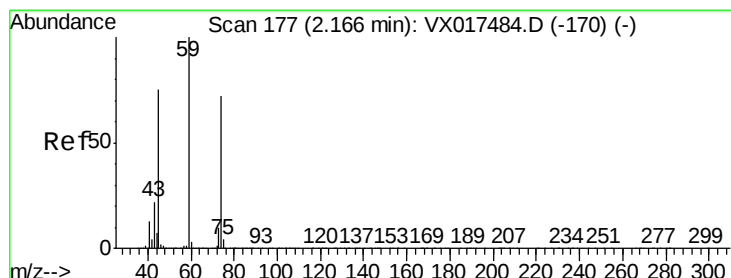
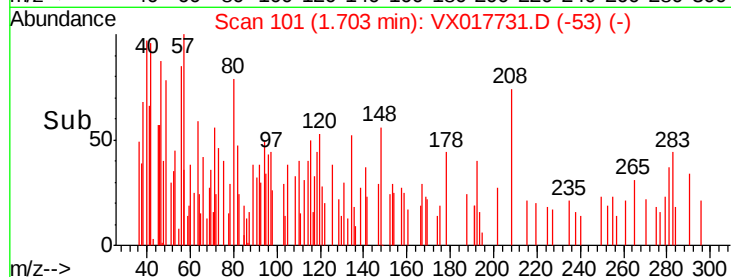
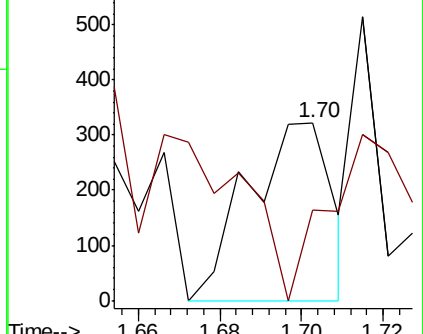
64 100

66 2.8 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: 2.12 min Scan# 170

Delta R.T. -0.04 min

Lab File: VX017731.D

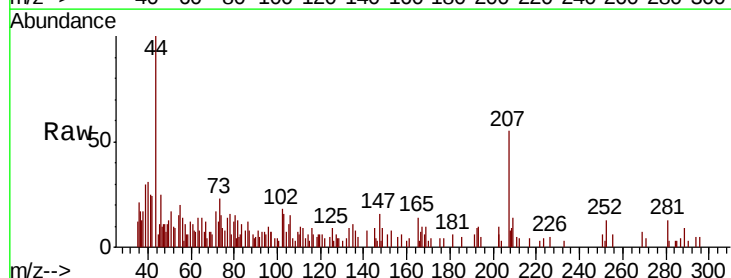
Acq: 01 Aug 2020 03:39

Tgt Ion: 74 Resp: 391

Ion Ratio Lower Upper

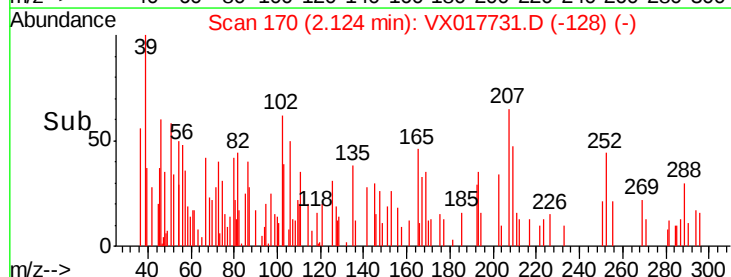
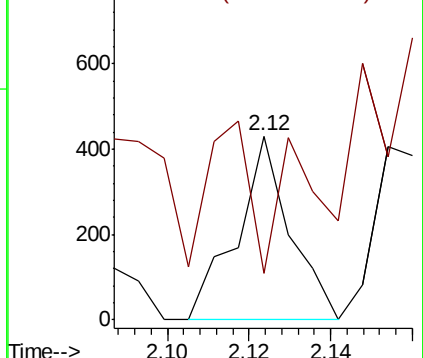
74 100

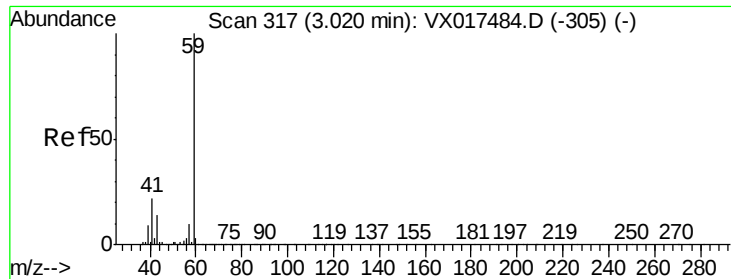
45 62.4 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0



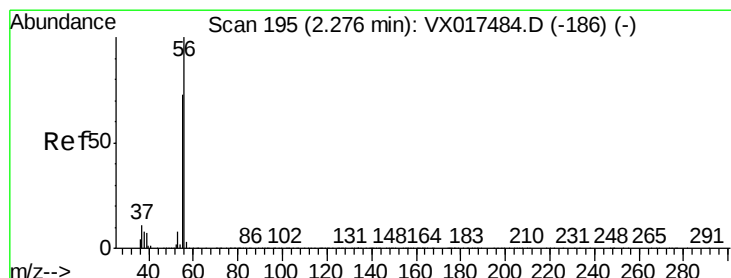
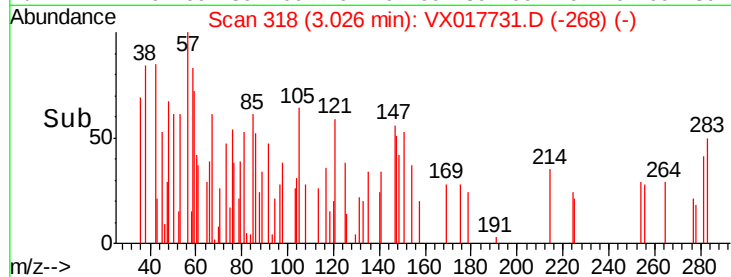
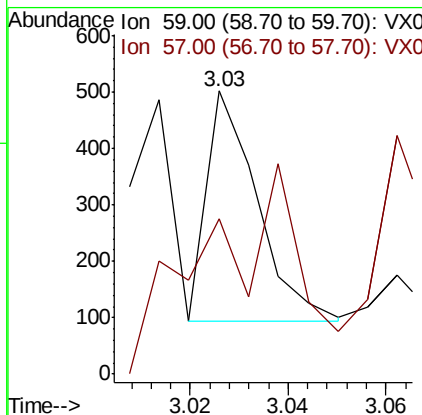
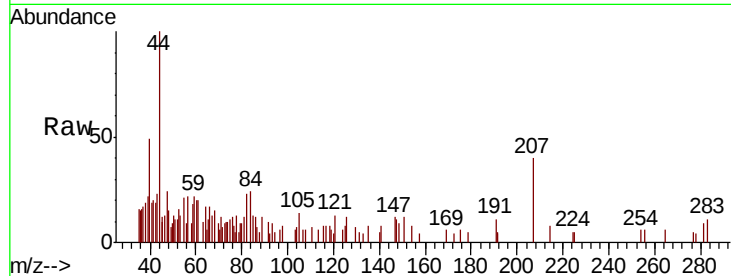


#11

Tert butyl alcohol
Concen: 0.248 ug/l
RT: 3.03 min Scan# 318
Delta R.T. 0.01 min
Lab File: VX017731.D
Acq: 01 Aug 2020 03:39

Instrument :
MSVOA_X
ClientSampleId :
PB130661ZHE#27

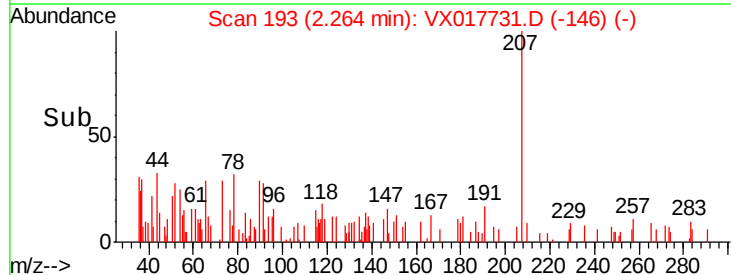
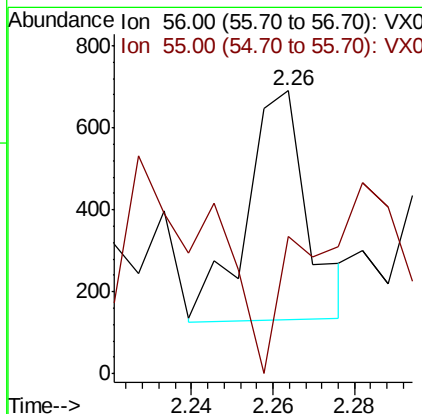
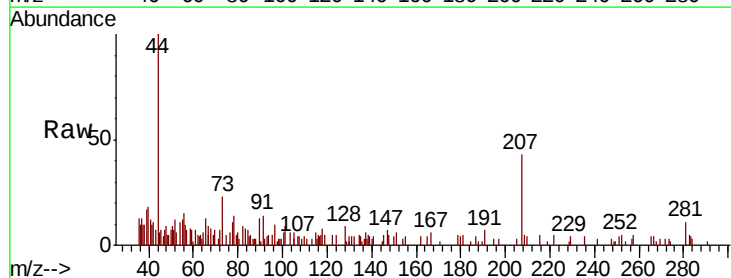
Tot Ion: 59 Resp: 291
Ion Ratio Lower Upper
59 100
57 98.3 8.6 12.8#

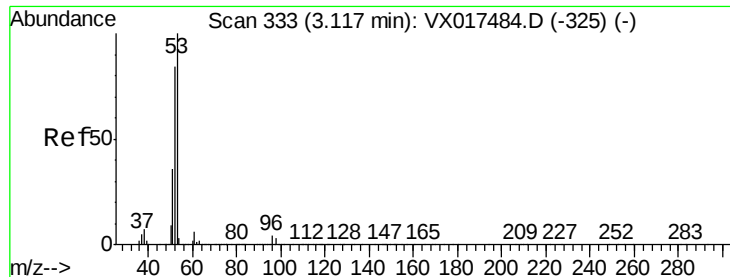


#13

Acrolein
Concen: 4.788 ug/l
RT: 2.26 min Scan# 193
Delta R.T. -0.01 min
Lab File: VX017731.D
Acq: 01 Aug 2020 03:39

Tgt Ion: 56 Resp: 584
Ion Ratio Lower Upper
56 100
55 140.1 57.4 86.2#





#15

Acrylonitrile

Concen: 0.217 ug/l

RT: 3.11 min Scan# 331

Delta R.T. -0.01 min

Lab File: VX017731.D

Acq: 01 Aug 2020 03:39

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#27

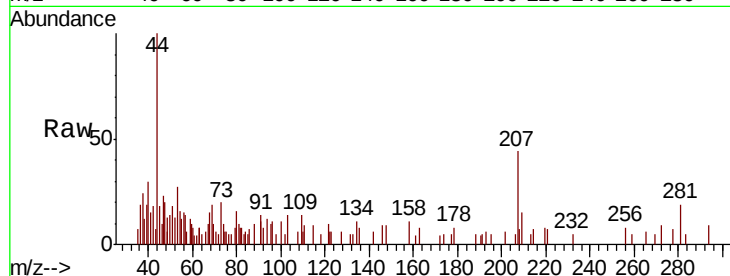
Tot Ion: 53 Resp: 550

Ion Ratio Lower Upper

53 100

52 0.0 66.6 99.8#

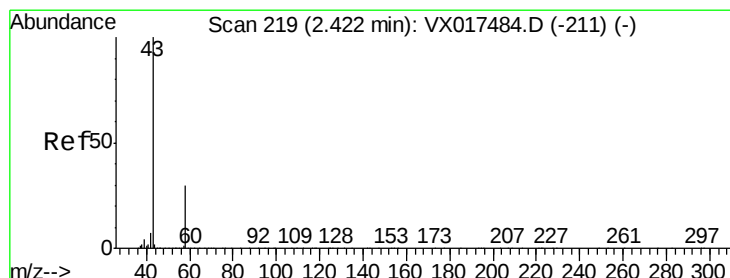
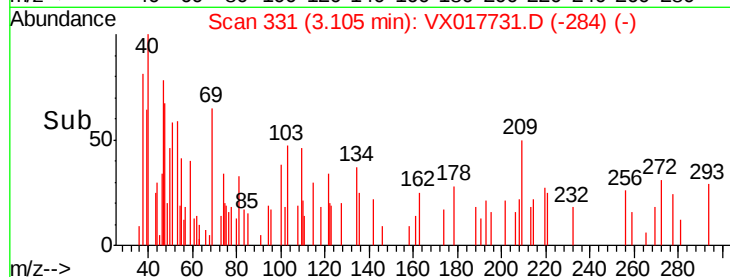
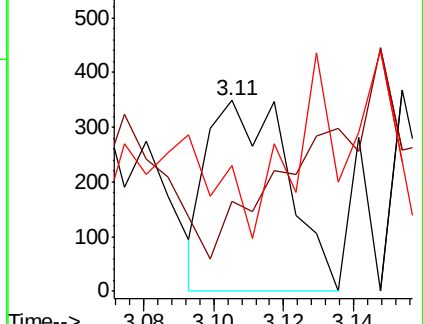
51 63.5 29.4 44.2#



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: 5.659 ug/l

RT: 2.42 min Scan# 218

Delta R.T. -0.01 min

Lab File: VX017731.D

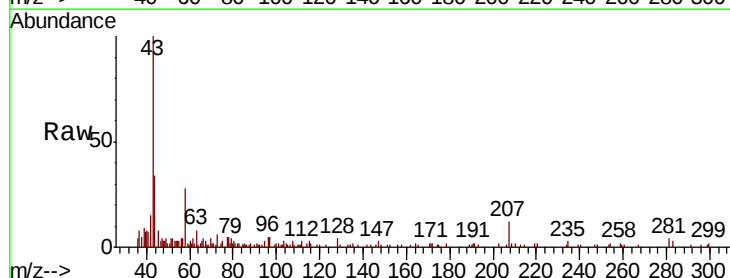
Acq: 01 Aug 2020 03:39

Tgt Ion: 43 Resp: 13892

Ion Ratio Lower Upper

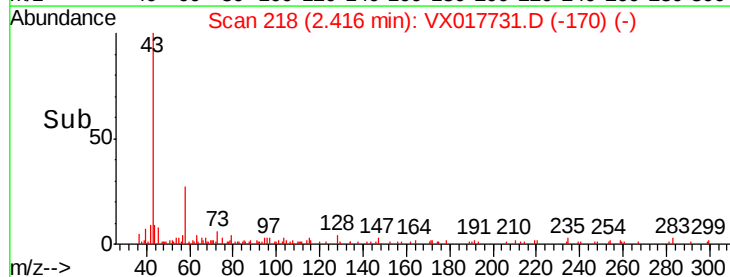
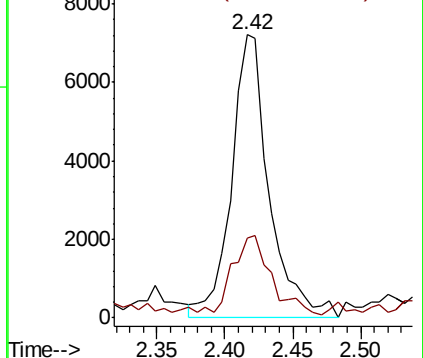
43 100

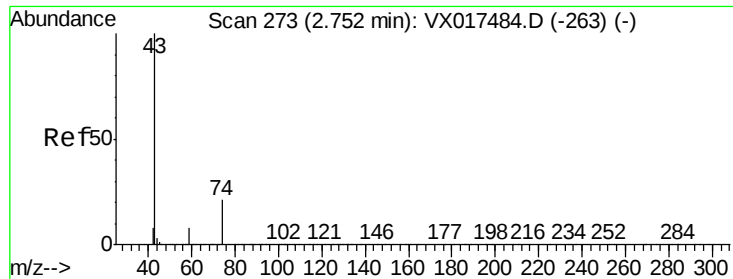
58 24.3 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

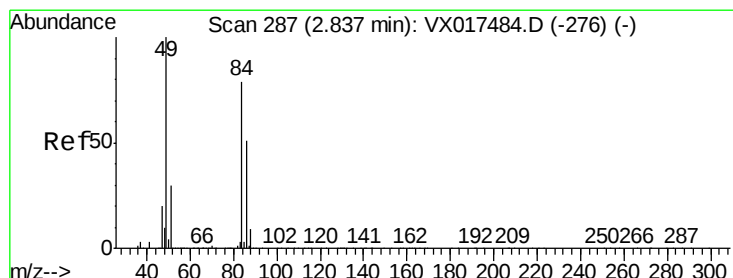
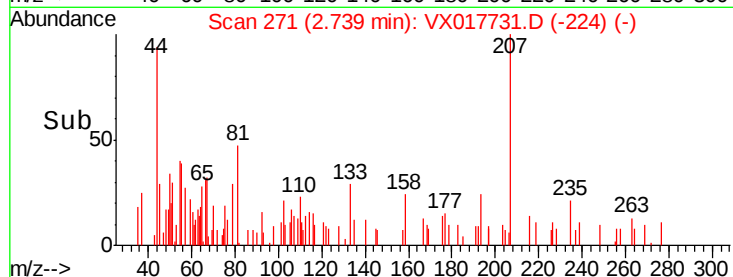
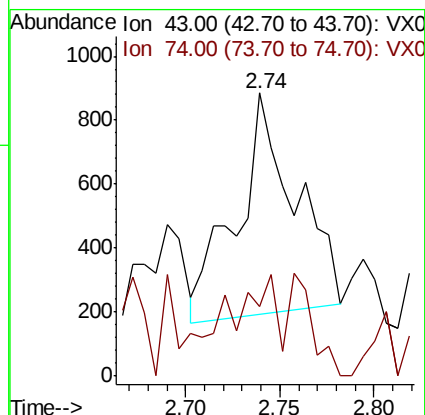
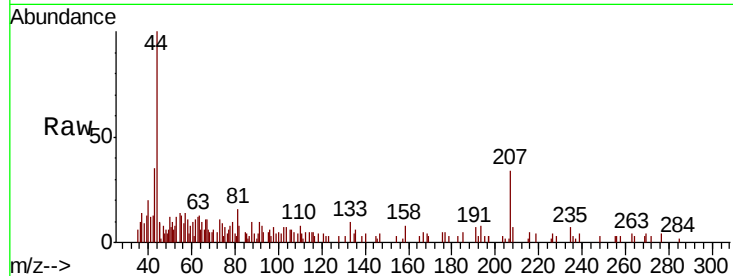




#18
Methyl Acetate
Concen: 0.259 ug/l
RT: 2.74 min Scan# 271
Delta R.T. -0.01 min
Lab File: VX017731.D
Acq: 01 Aug 2020 03:39

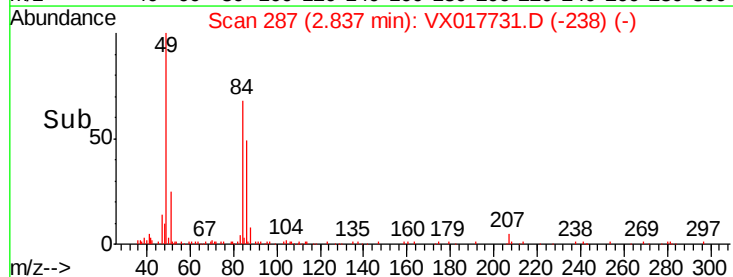
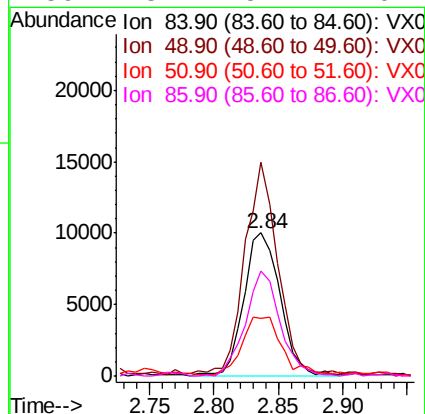
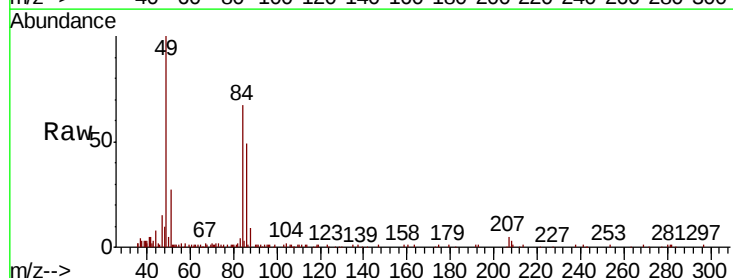
Instrument :
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PB130661ZHE#27

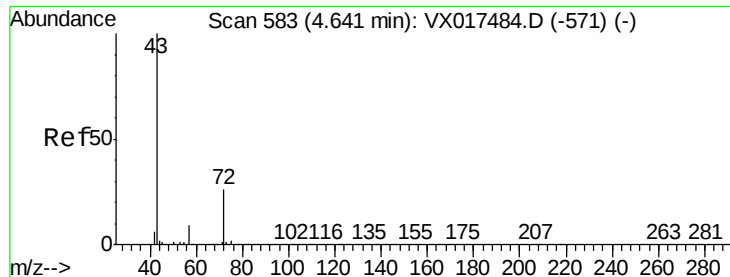
Tot Ion: 43 Resp: 1499
Ion Ratio Lower Upper
43 100
74 34.4 17.5 26.3#



#20
Methylene Chloride
Concen: 3.019 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017731.D
Acq: 01 Aug 2020 03:39

Tgt Ion: 84 Resp: 19536
Ion Ratio Lower Upper
84 100
49 147.2 100.3 150.5
51 37.9 30.5 45.7
86 73.7 51.1 76.7

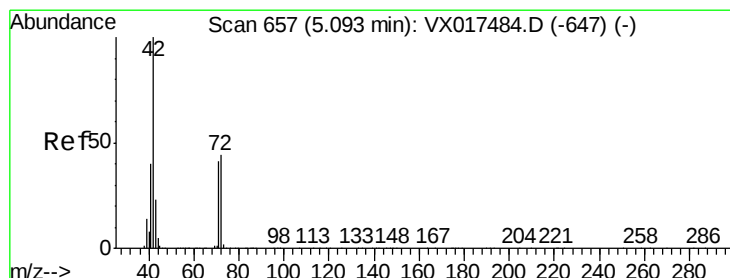
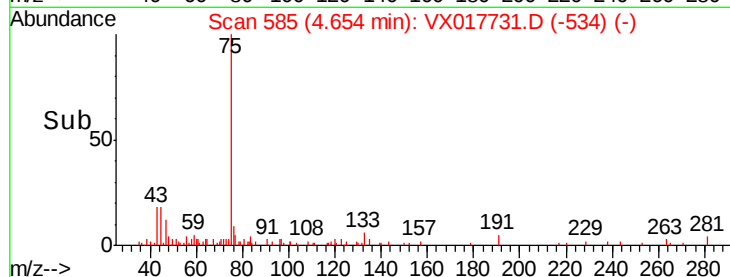
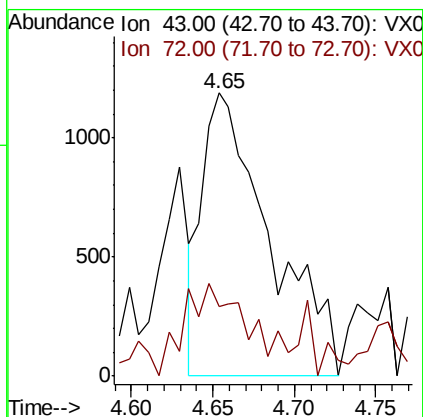
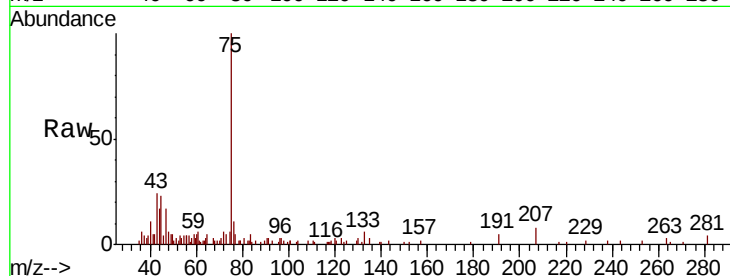




#25
2-Butanone
Concen: 0.985 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX017731.D
Acq: 01 Aug 2020 03:39

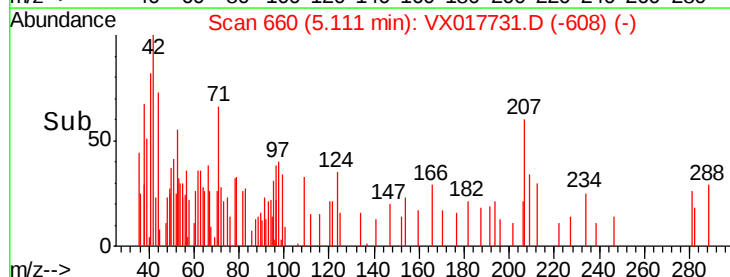
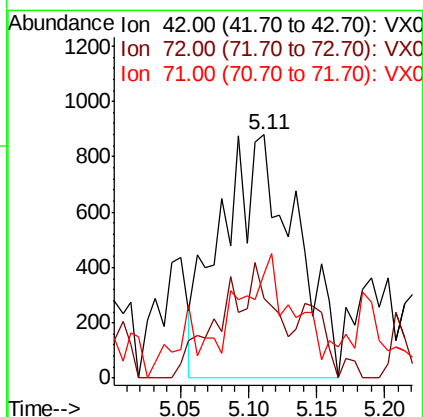
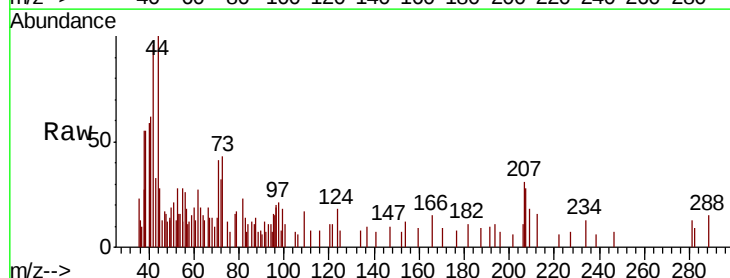
Instrument :
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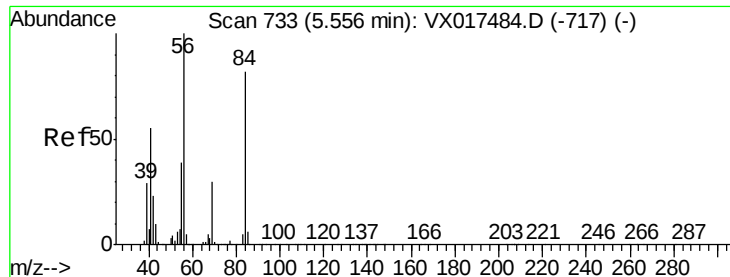
Tot Ion: 43 Resp: 3436
Ion Ratio Lower Upper
43 100
72 27.2 19.0 28.4



#29
Tetrahydrofuran
Concen: 1.557 ug/l
RT: 5.11 min Scan# 660
Delta R.T. 0.02 min
Lab File: VX017731.D
Acq: 01 Aug 2020 03:39

Tgt Ion: 42 Resp: 3364
Ion Ratio Lower Upper
42 100
72 33.5 35.5 53.3#
71 31.9 33.0 49.4#





#31

Cyclohexane

Concen: 1.448 ug/l

RT: 5.64 min Scan# 746

Delta R.T. 0.08 min

Lab File: VX017731.D

Acq: 01 Aug 2020 03:39

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#27

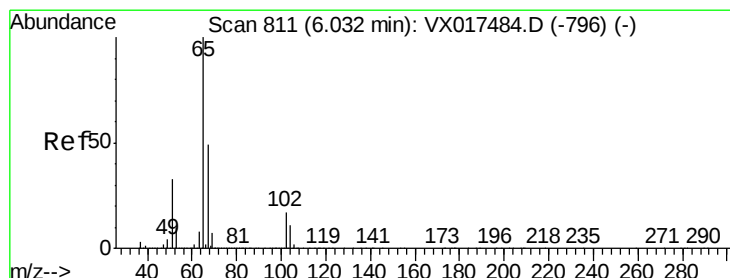
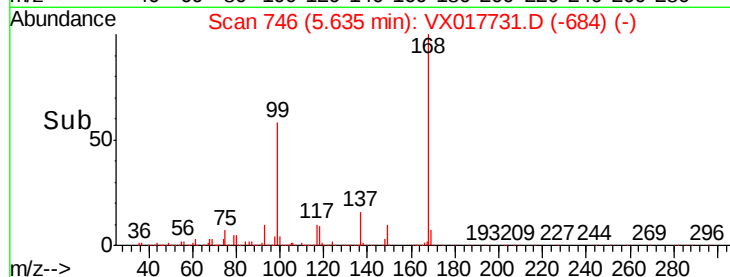
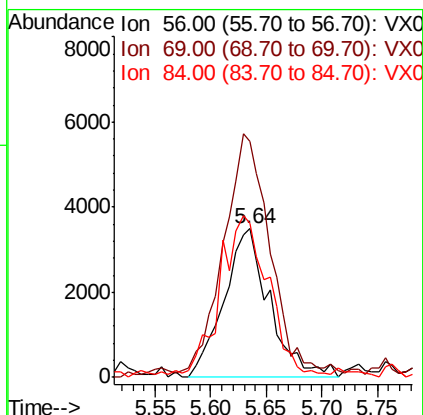
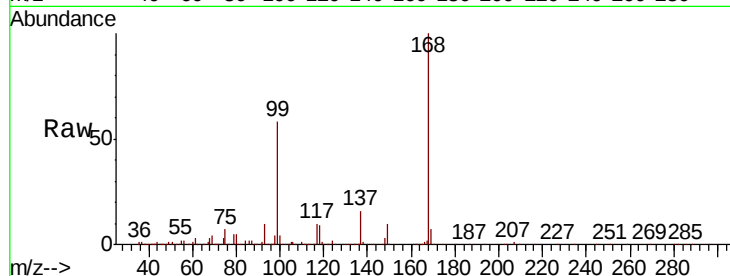
Tot Ion: 56 Resp: 9958

Ion Ratio Lower Upper

56 100

69 157.9 24.2 36.4#

84 100.8 69.0 103.6



#33

1,2-Dichloroethane-d4

Concen: 55.577 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017731.D

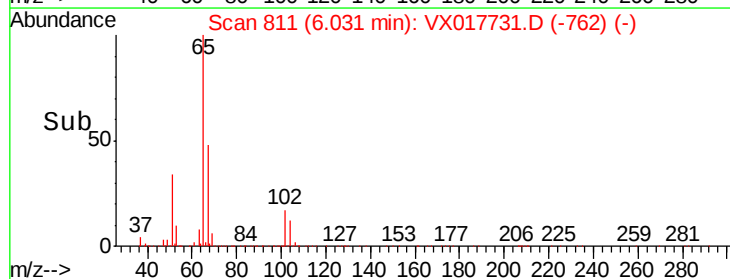
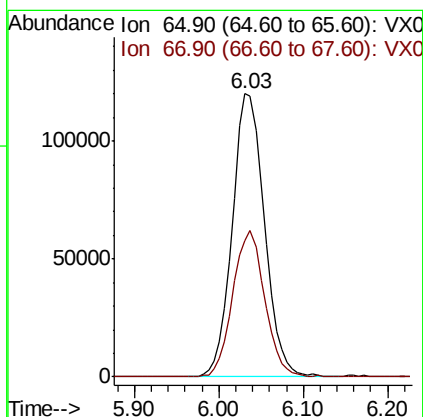
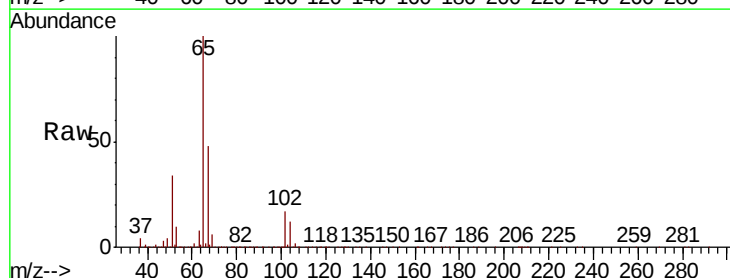
Acq: 01 Aug 2020 03:39

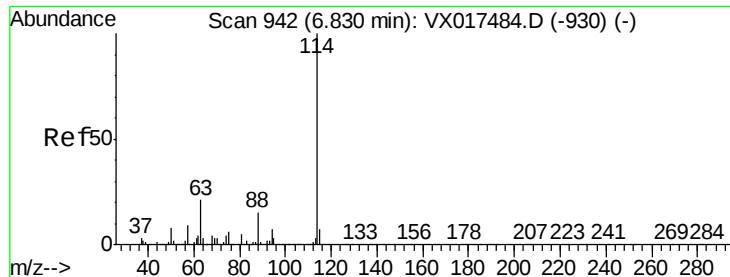
Tgt Ion: 65 Resp: 309974

Ion Ratio Lower Upper

65 100

67 51.4 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: VX017731.D

Acq: 01 Aug 2020 03:39

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#27

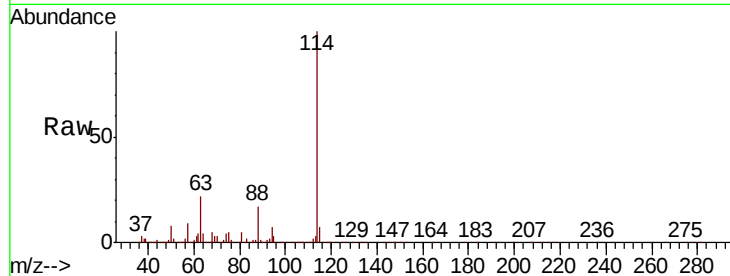
Tot Ion:114 Resp: 720526

Ion Ratio Lower Upper

114 100

63 22.1 0.0 40.6

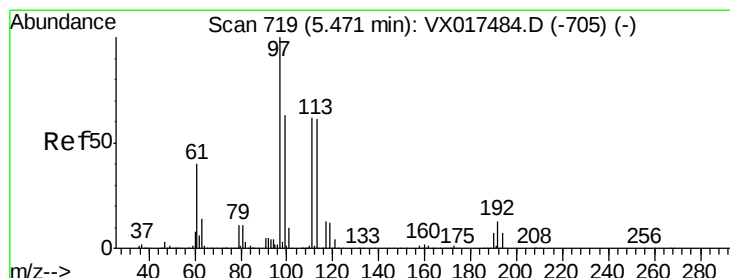
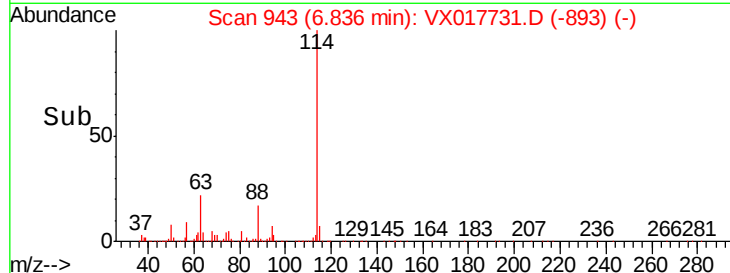
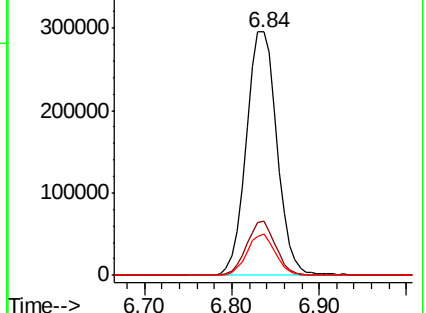
88 17.0 0.0 33.4



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



#35

Dibromofluoromethane

Concen: 53.787 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.01 min

Lab File: VX017731.D

Acq: 01 Aug 2020 03:39

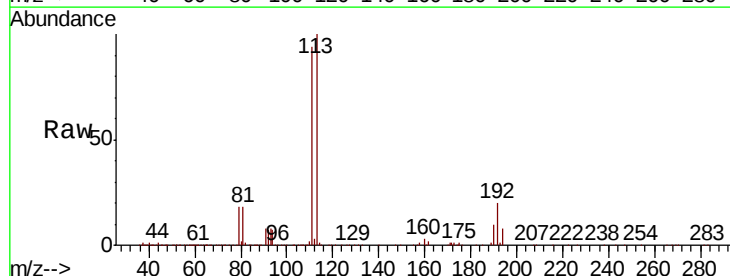
Tgt Ion:113 Resp: 259197

Ion Ratio Lower Upper

113 100

111 101.7 80.7 121.1

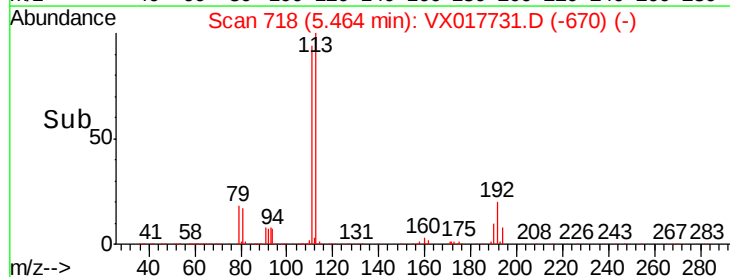
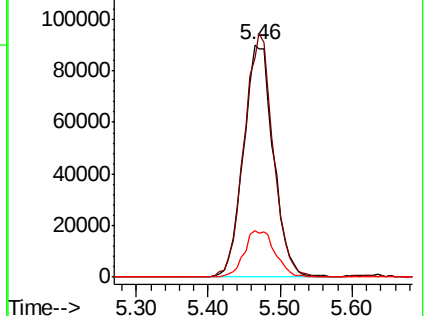
192 20.6 16.9 25.3

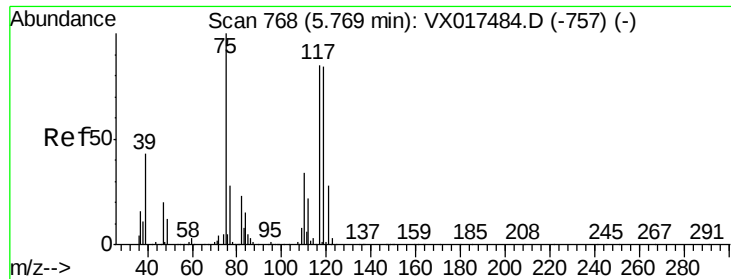


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

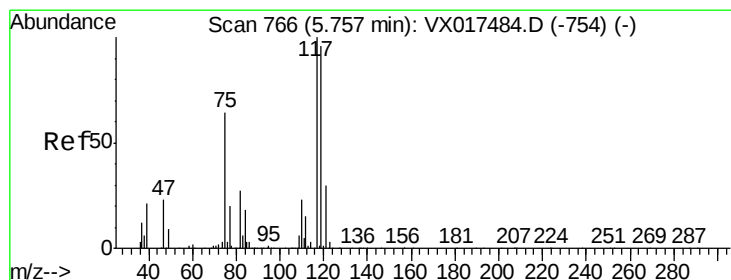
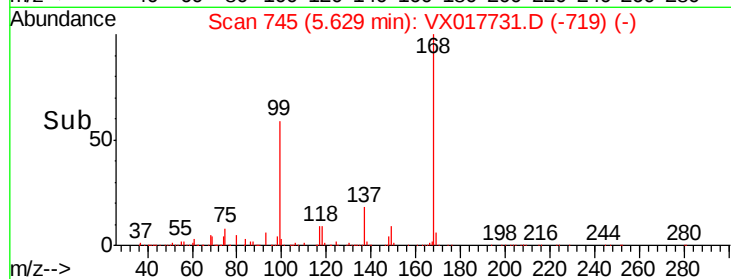
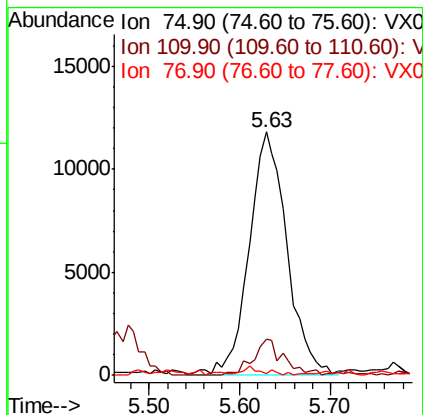
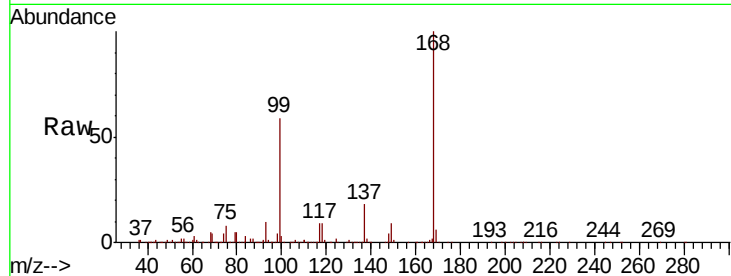




#36
 1,1-Dichloropropene
 Concen: 4.937 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.14 min
 Lab File: VX017731.D
 Acq: 01 Aug 2020 03:39

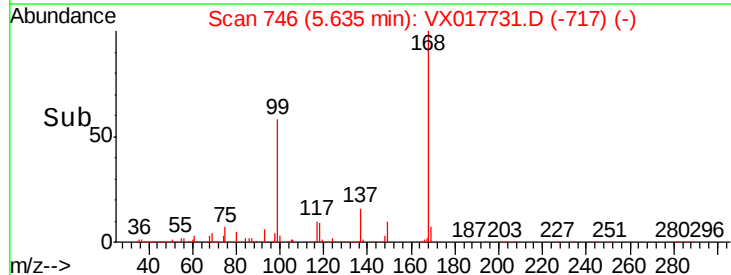
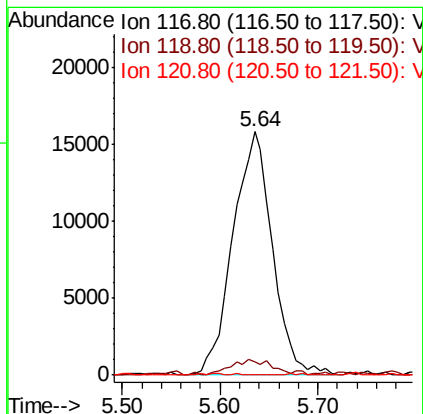
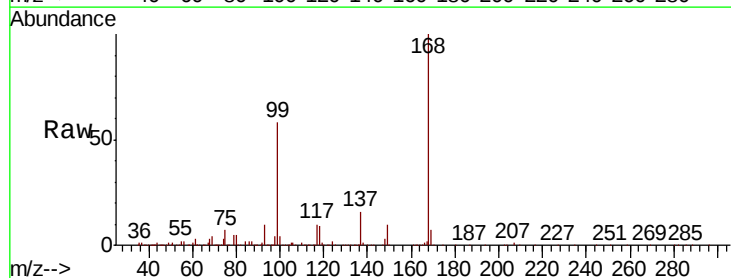
Instrument :
 MSVOA_X
 ClientSampleId :
 PB130661ZHE#27

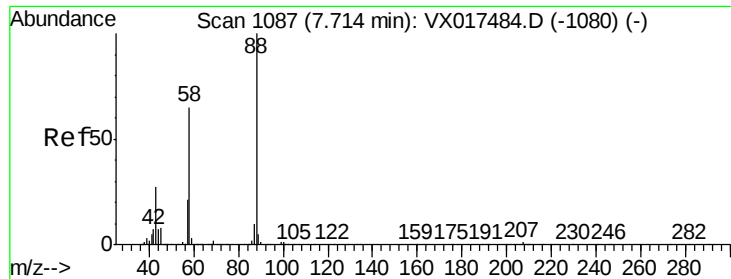
Tot Ion	Ratio	Lower	Upper
75	100		
110	12.0	18.1	54.3#
77	1.0	24.6	37.0#



#38
 Carbon Tetrachloride
 Concen: 5.270 ug/l
 RT: 5.64 min Scan# 746
 Delta R.T. -0.12 min
 Lab File: VX017731.D
 Acq: 01 Aug 2020 03:39

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.2	75.4	113.0#
121	0.5	24.3	36.5#

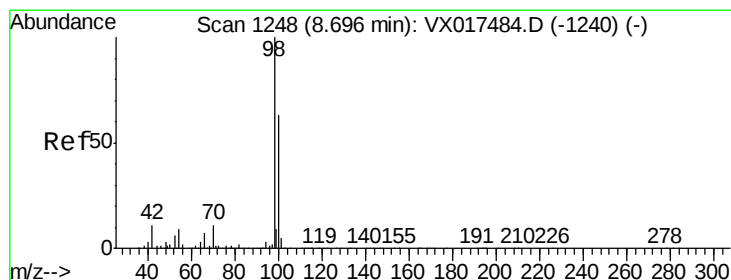
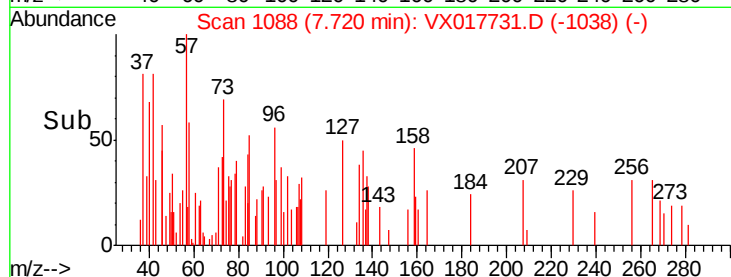
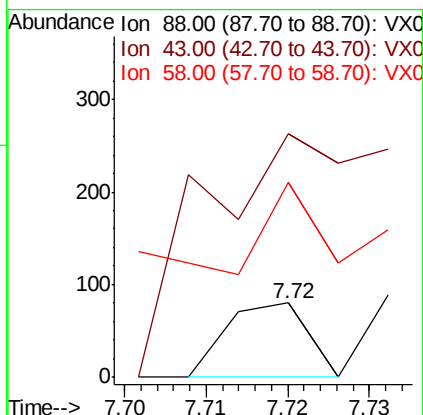
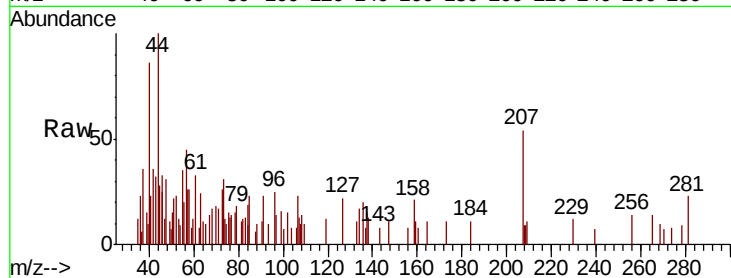




#49
1,4-Dioxane
Concen: 0.464 ug/l
RT: 7.72 min Scan# 1088
Delta R.T. 0.01 min
Lab File: VX017731.D
Acq: 01 Aug 2020 03:39

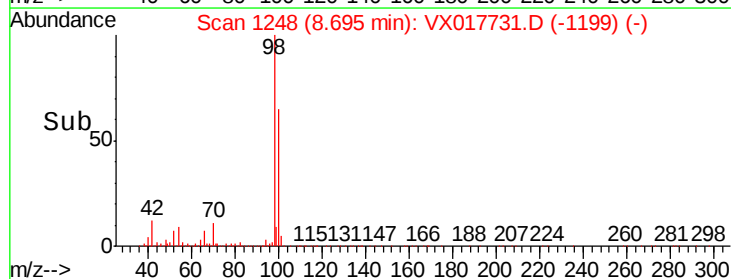
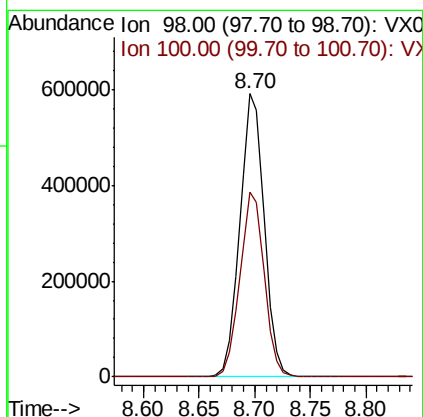
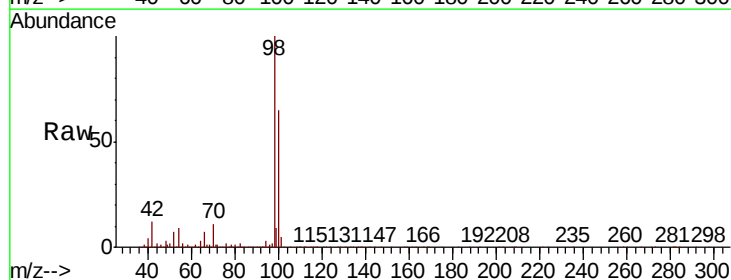
Instrument :
MSVOA_X
ClientSampleId :
PB130661ZHE#27

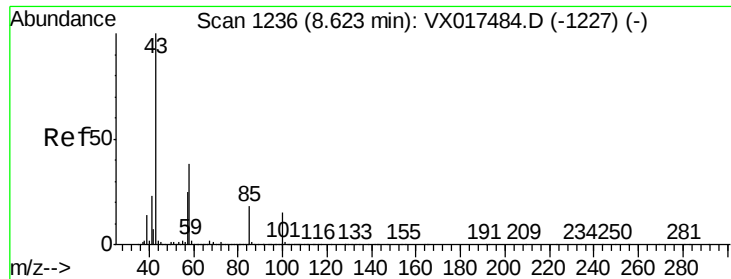
Tot Ion: 88 Resp: 55
Ion Ratio Lower Upper
88 100
43 0.0 27.8 41.6#
58 272.7 58.3 87.5#



#50
Toluene-d8
Concen: 51.440 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX017731.D
Acq: 01 Aug 2020 03:39

Tgt Ion: 98 Resp: 894233
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5





#51

4-Methyl-2-Pentanone

Concen: 0.415 ug/l

RT: 8.62 min Scan# 1235

Delta R.T. -0.01 min

Lab File: VX017731.D

Acq: 01 Aug 2020 03:39

Instrument :

MSVOA_X

ClientSampleId :

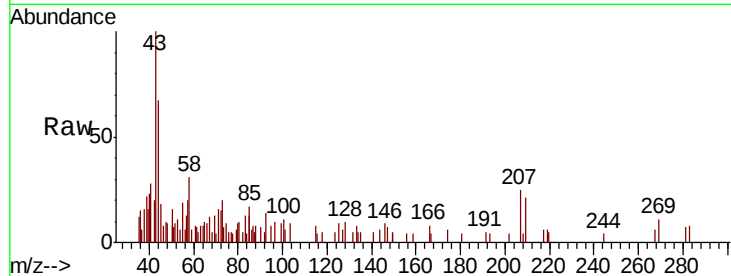
PB130661ZHE#27

Tot Ion: 43 Resp: 3086

Ion Ratio Lower Upper

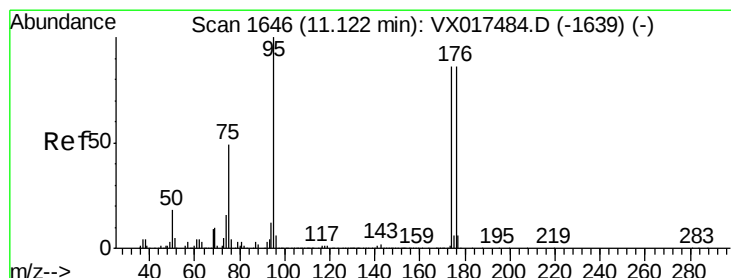
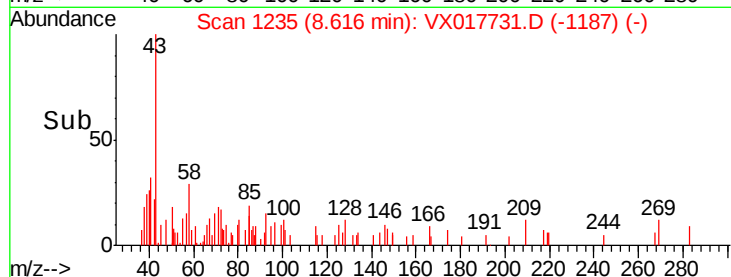
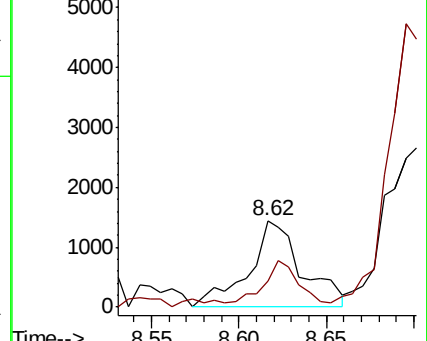
43 100

58 30.1 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: 57.213 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017731.D

Acq: 01 Aug 2020 03:39

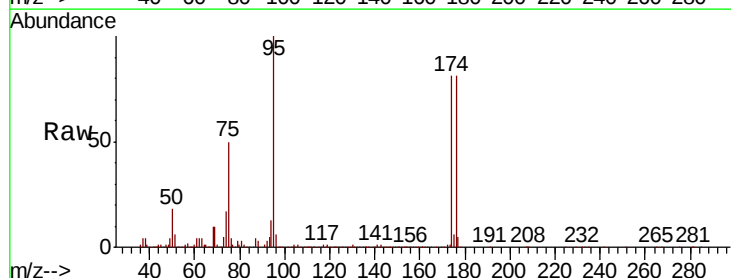
Tgt Ion: 95 Resp: 398043

Ion Ratio Lower Upper

95 100

174 82.5 0.0 169.0

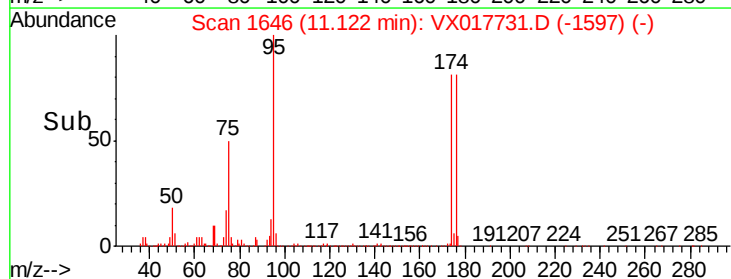
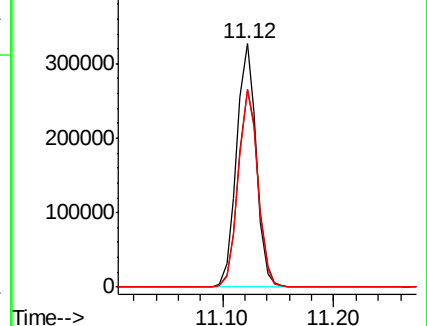
176 80.6 0.0 161.0

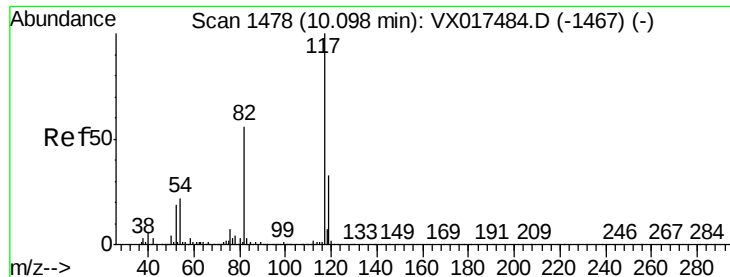


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

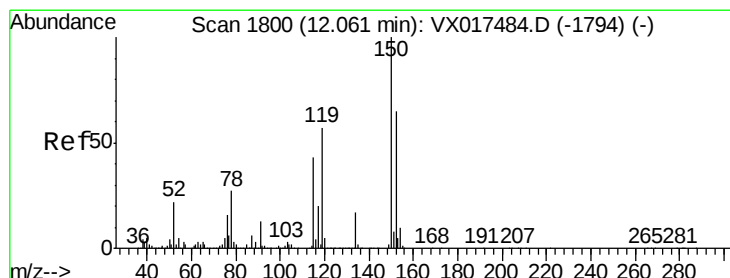
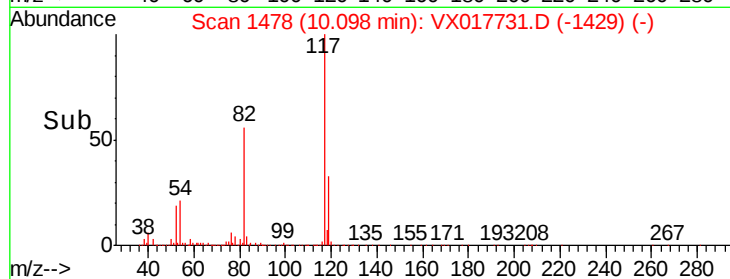
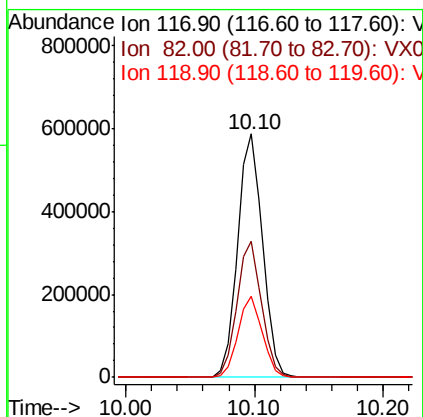
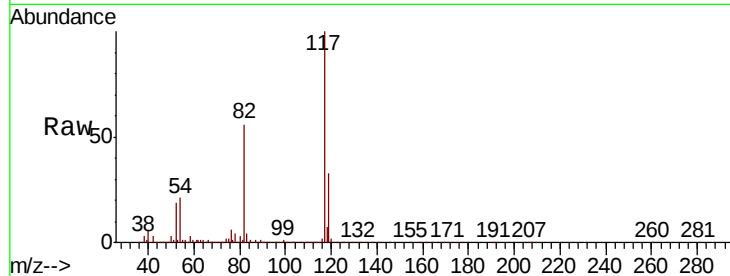




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017731.D
Acq: 01 Aug 2020 03:39

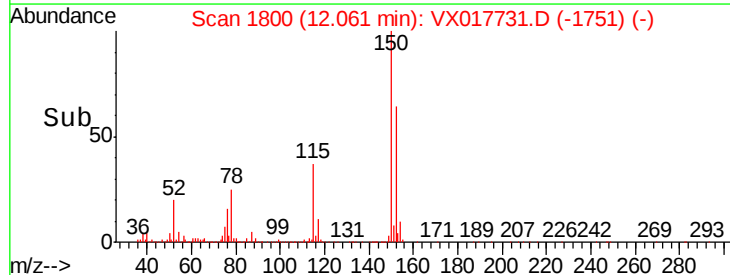
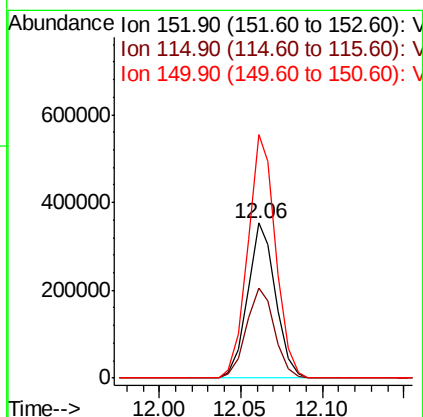
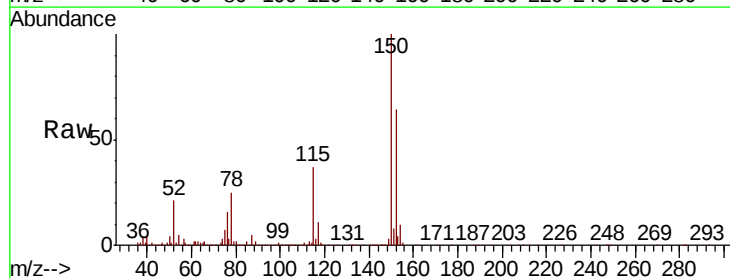
Instrument :
MSVOA_X
ClientSampleId :
PB130661ZHE#27

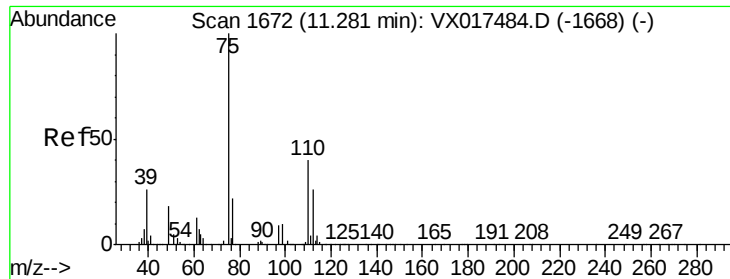
Tot Ion	Ratio	Lower	Upper
117	100		
82	56.1	44.0	66.0
119	33.4	25.4	38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017731.D
Acq: 01 Aug 2020 03:39

Tgt Ion	Ratio	Lower	Upper
152	100		
115	58.8	65.5	196.6#
150	156.8	0.0	412.6





#76

1,2,3-Trichloropropane

Concen: 23.774 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017731.D

Acq: 01 Aug 2020 03:39

Instrument :

MSVOA_X

ClientSampleId :

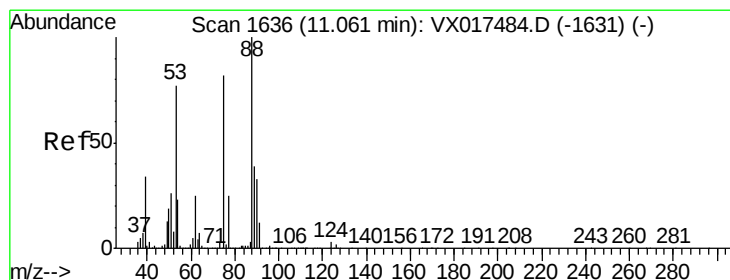
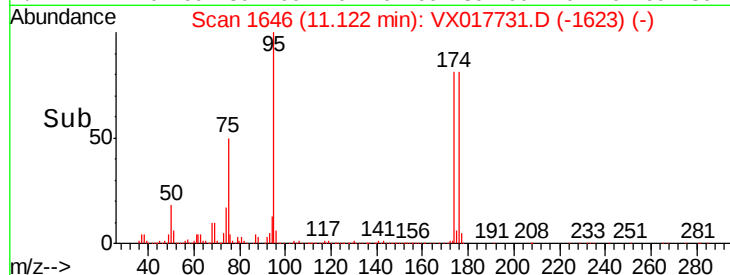
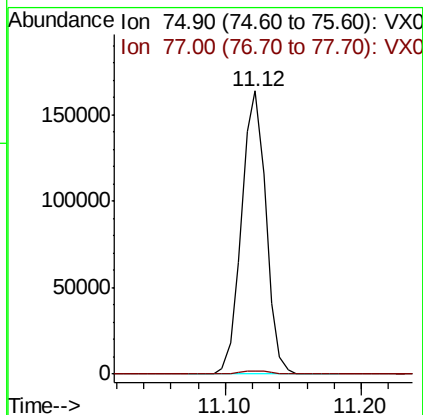
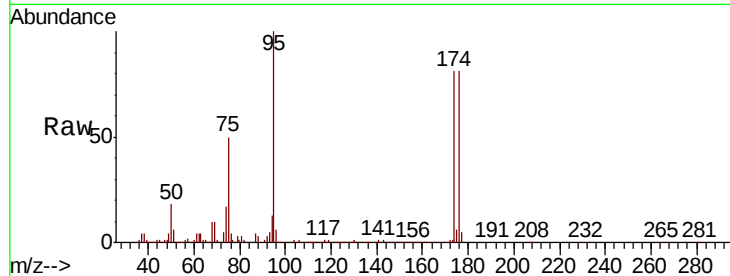
PB130661ZHE#27

Tot Ion: 75 Resp: 205973

Ion Ratio Lower Upper

75 100

77 1.4 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 59.906 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017731.D

Acq: 01 Aug 2020 03:39

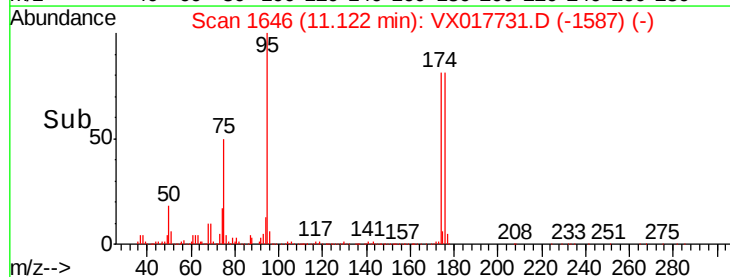
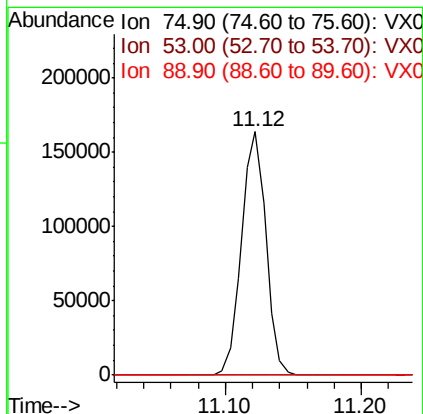
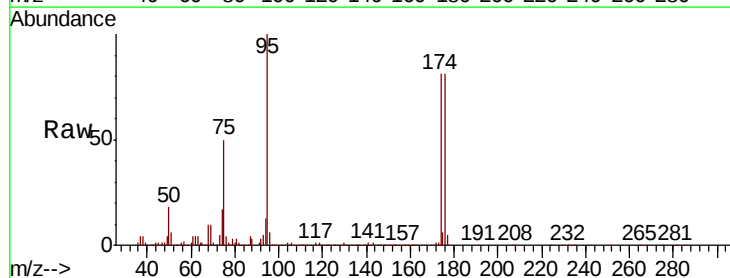
Tgt Ion: 75 Resp: 205973

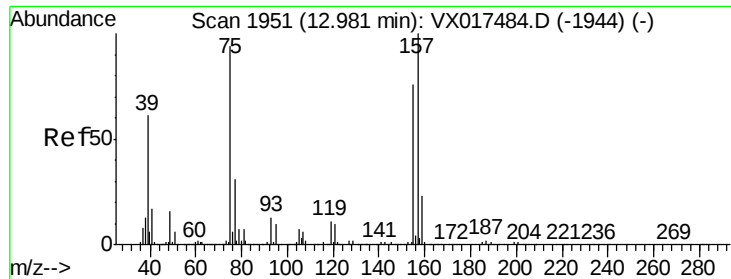
Ion Ratio Lower Upper

75 100

53 0.3 75.9 113.9#

89 0.1 37.8 56.6#





#92

1,2-Dibromo-3-Chloropropane

Concen: 2.690 ug/l

RT: 12.99 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VX017731.D

Acq: 01 Aug 2020 03:39

Instrument :

MSVOA_X

ClientSampleId :

PB130661ZHE#27

Tot Ion: 75 Resp: 305

Ion Ratio Lower Upper

75 100

155 0.0 42.3 126.8#

157 20.7 54.3 162.9#

