

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX073120\
 Data File : VX017734.D
 Acq On : 01 Aug 2020 04:48
 Operator : JC/SP
 Sample : L3511-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Quant Time: Aug 01 05:14:05 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	438183	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	772567	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	846038	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	432458	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.04	65	321393	57.10	ug/l	0.00
Spiked Amount			Recovery	=	114.20%	
35) Dibromofluoromethane	5.47	113	268977	52.06	ug/l	0.00
Spiked Amount			Recovery	=	104.12%	
50) Toluene-d8	8.70	98	975960	52.36	ug/l	0.00
Spiked Amount			Recovery	=	104.72%	
62) 4-Bromofluorobenzene	11.12	95	431123	57.79	ug/l	0.00
Spiked Amount			Recovery	=	115.58%	

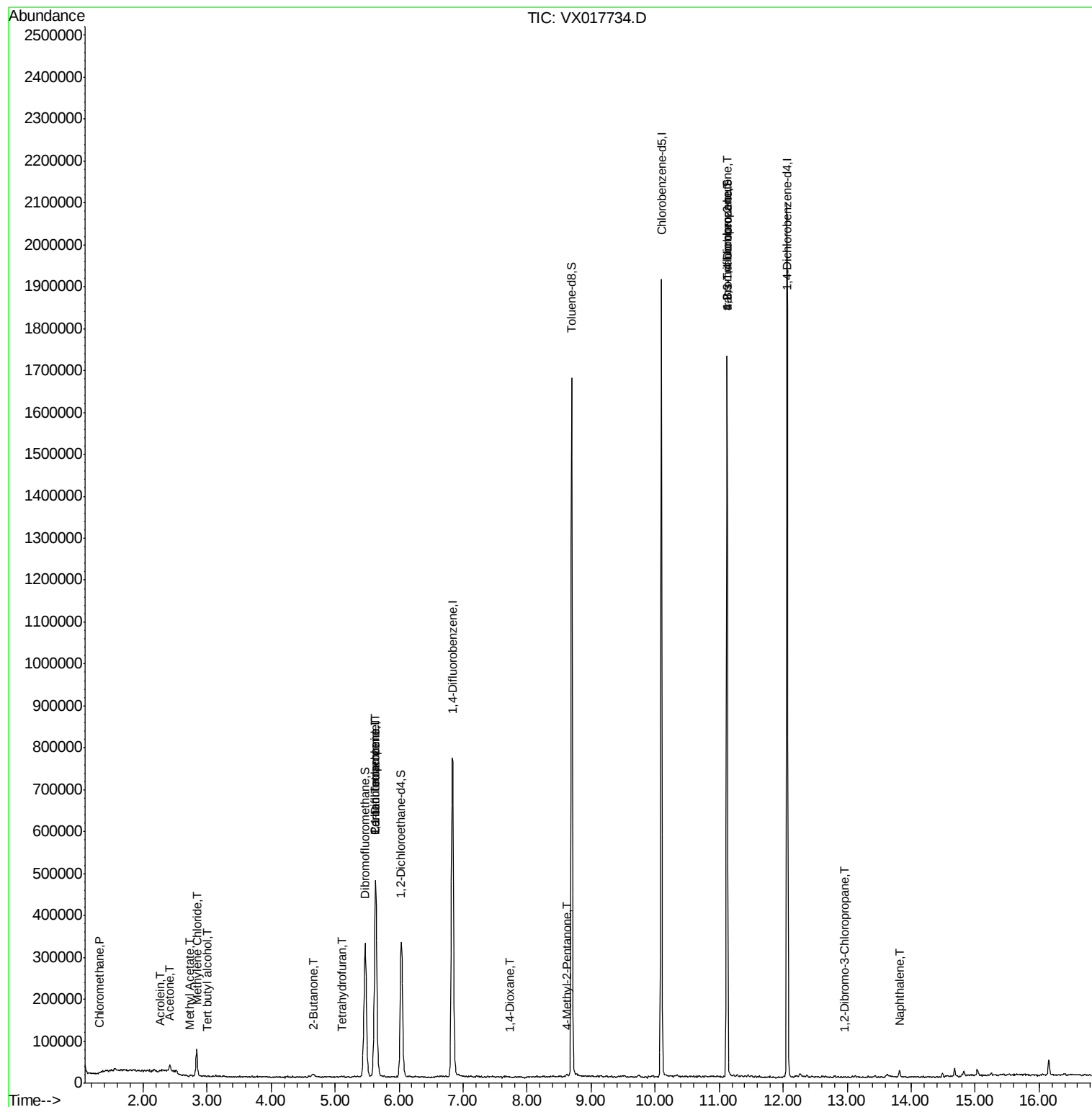
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.17	85	357	Below Cal	#	48
3) Chloromethane	1.31	50	408	0.442	ug/l #	1
5) Bromomethane	1.61	94	354	Below Cal	#	3
6) Chloroethane	1.69	64	230	Below Cal	#	44
8) Diethyl Ether	2.17	74	1652	Below Cal		73
11) Tert butyl alcohol	3.00	59	1099	0.926	ug/l #	90
13) Acrolein	2.27	56	289	4.462	ug/l #	11
16) Acetone	2.42	43	14125	5.702	ug/l #	81
18) Methyl Acetate	2.74	43	1501	0.257	ug/l #	54
20) Methylene Chloride	2.84	84	28465	4.944	ug/l	91
25) 2-Butanone	4.65	43	1684	0.478	ug/l #	87
29) Tetrahydrofuran	5.11	42	3230	1.482	ug/l #	48
36) 1,1-Dichloropropene	5.63	75	33436	4.513	ug/l #	53
38) Carbon Tetrachloride	5.63	117	46520	5.170	ug/l #	17
49) 1,4-Dioxane	7.73	88	224	1.762	ug/l #	1
51) 4-Methyl-2-Pentanone	8.63	43	2977	0.373	ug/l #	61
76) 1,2,3-Trichloropropane	11.12	75	219232	24.644	ug/l #	35
81) trans-1,4-Dichloro-2-buten	11.12	75	219232	62.098	ug/l #	12
92) 1,2-Dibromo-3-Chloropropan	12.97	75	282	2.679	ug/l #	13
95) Naphthalene	13.82	128	8896	0.311	ug/l #	93

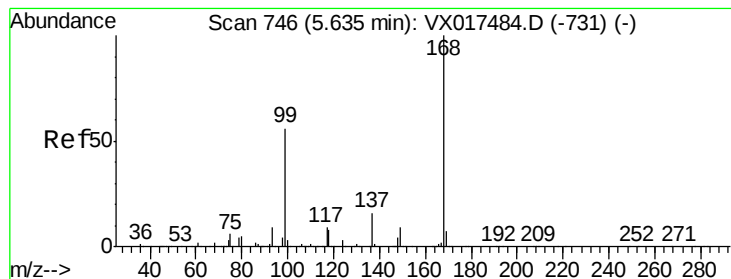
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VX017734.D

Acq: 01 Aug 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

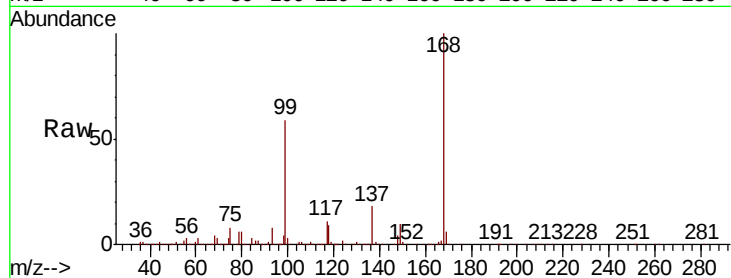
TP-1

Tot Ion:168 Resp: 438183

Ion Ratio Lower Upper

168 100

99 58.7 43.4 65.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.63

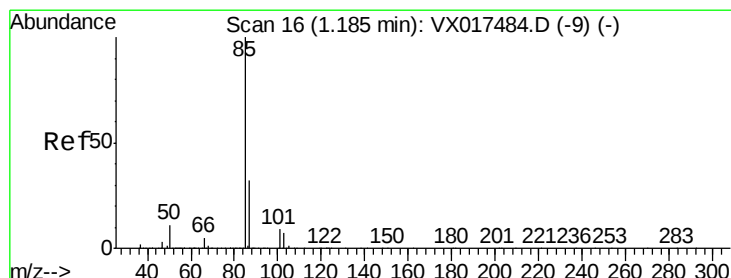
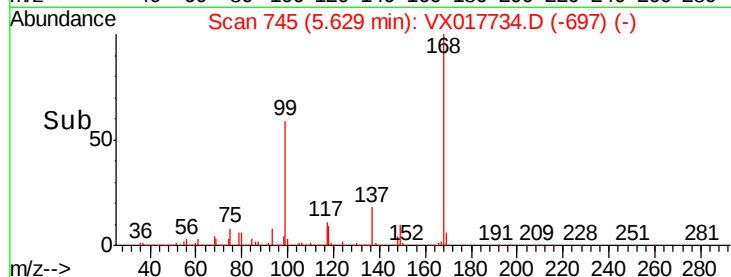
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.17 min Scan# 13

Delta R.T. -0.02 min

Lab File: VX017734.D

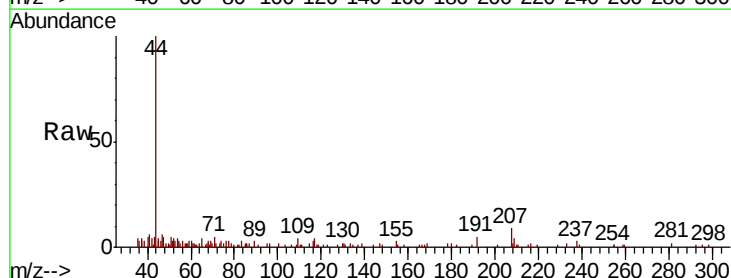
Acq: 01 Aug 2020 04:48

Tgt Ion: 85 Resp: 357

Ion Ratio Lower Upper

85 100

87 61.5 16.1 48.3#



Abundance Ion 84.90 (84.60 to 85.60): VX0

Ion 86.90 (86.60 to 87.60): VX0

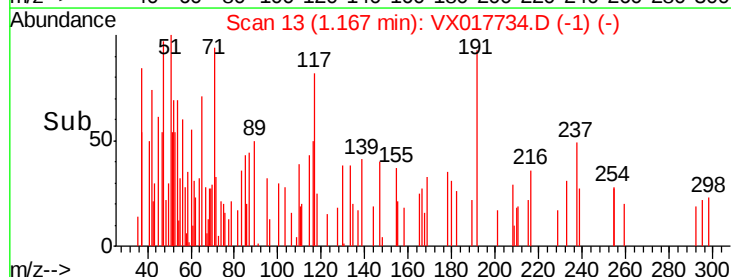
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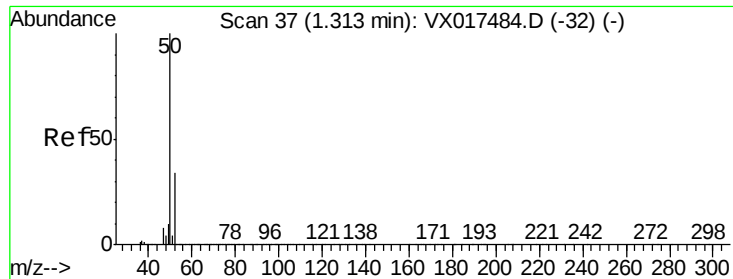
200

100

0

Time-->





#3

Chloromethane

Concen: 0.442 ug/l

RT: 1.31 min Scan# 37

Delta R.T. 0.00 min

Lab File: VX017734.D

Acq: 01 Aug 2020 04:48

Instrument :

MSVOA_X

ClientSampled :

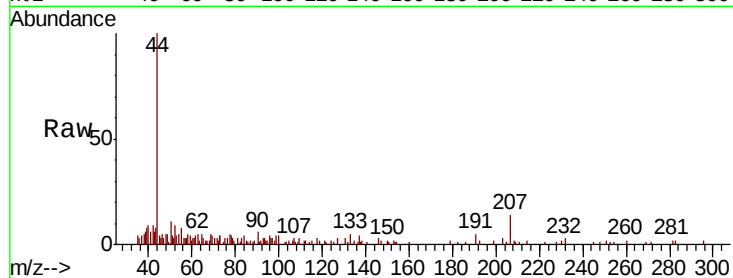
TP-1

Tot Ion: 50 Resp: 408

Ion Ratio Lower Upper

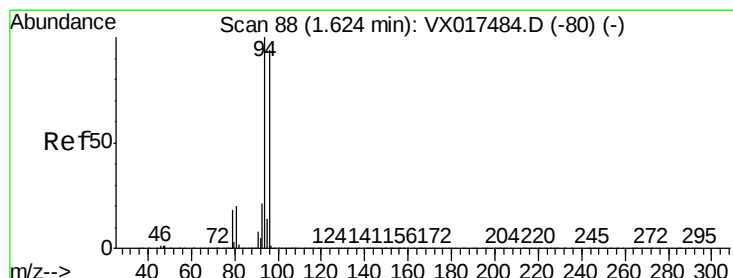
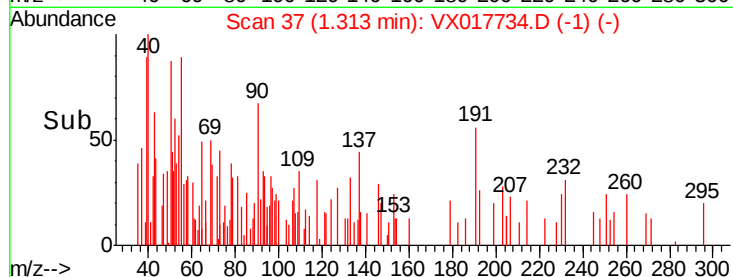
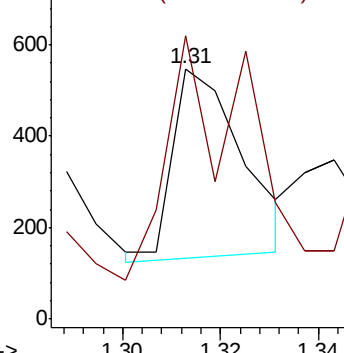
50 100

52 132.6 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: 1.61 min Scan# 86

Delta R.T. -0.01 min

Lab File: VX017734.D

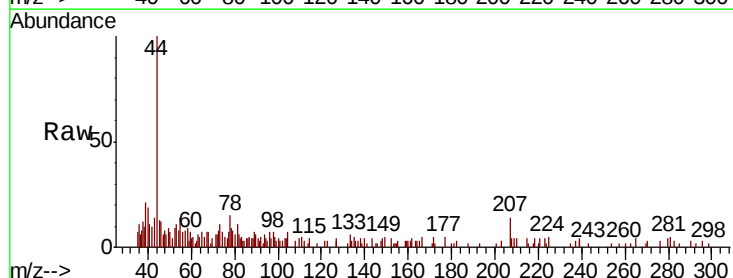
Acq: 01 Aug 2020 04:48

Tgt Ion: 94 Resp: 354

Ion Ratio Lower Upper

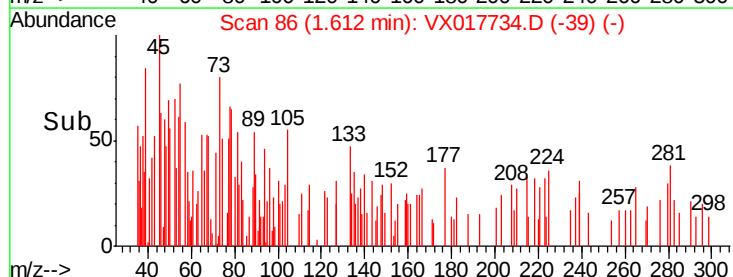
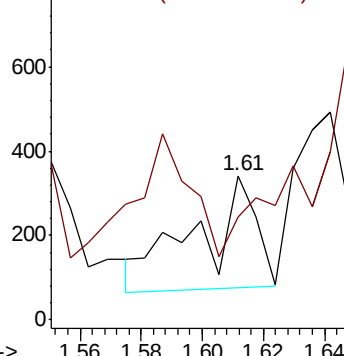
94 100

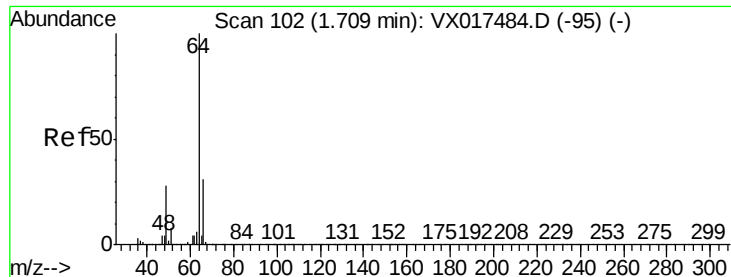
96 0.0 74.1 111.1#



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: 1.69 min Scan# 99

Delta R.T. -0.02 min

Lab File: VX017734.D

Acq: 01 Aug 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

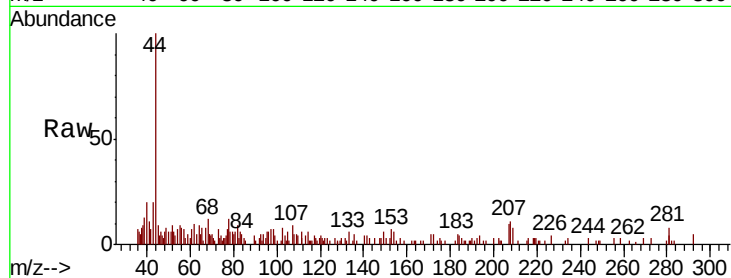
TP-1

Tot Ion: 64 Resp: 230

Ion Ratio Lower Upper

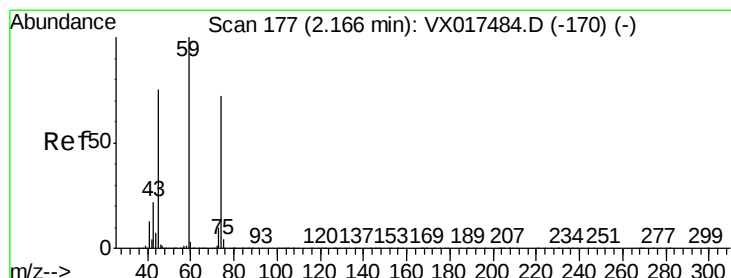
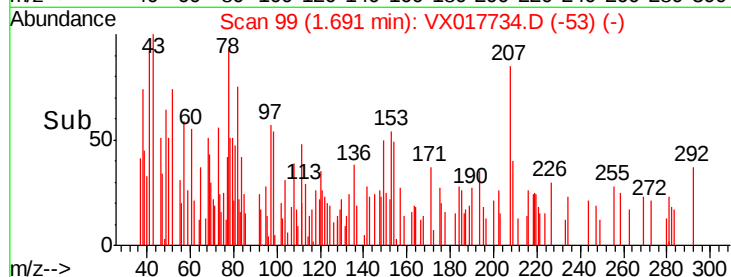
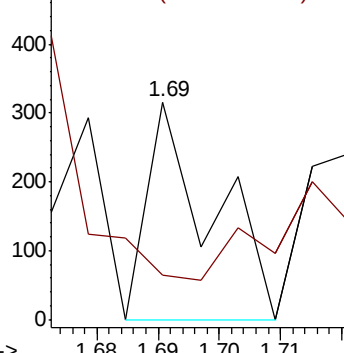
64 100

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: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017734.D

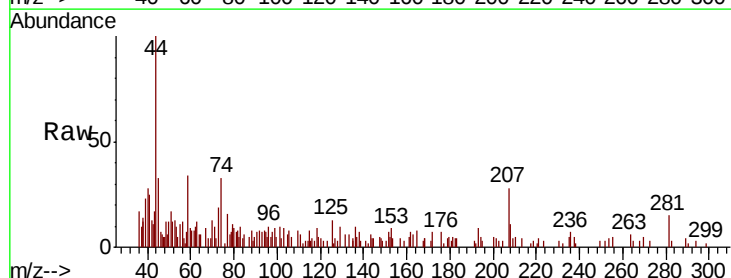
Acq: 01 Aug 2020 04:48

Tgt Ion: 74 Resp: 1652

Ion Ratio Lower Upper

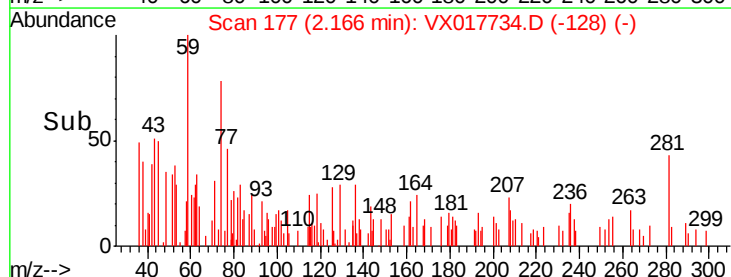
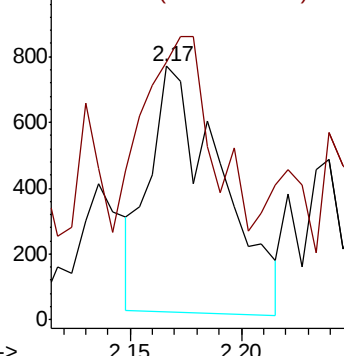
74 100

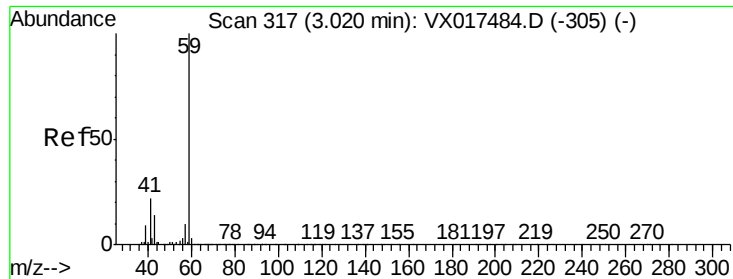
45 74.2 50.8 152.5



Abundance Ion 74.00 (73.70 to 74.70): VX0

Ion 45.00 (44.70 to 45.70): VX0

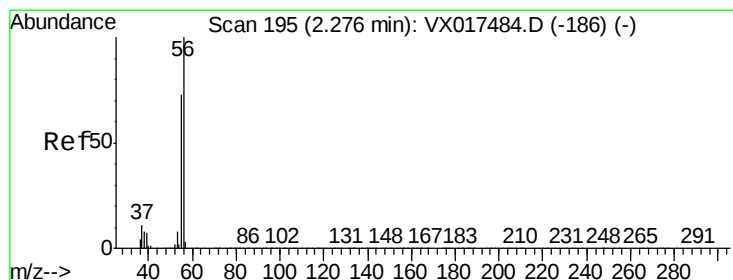
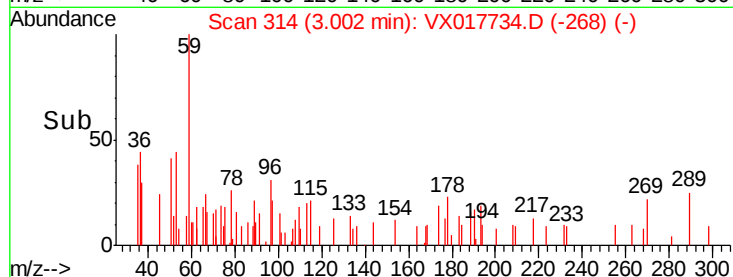
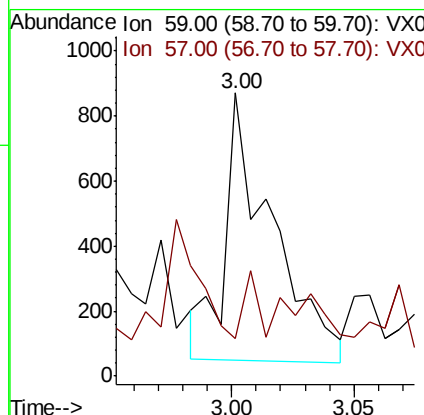
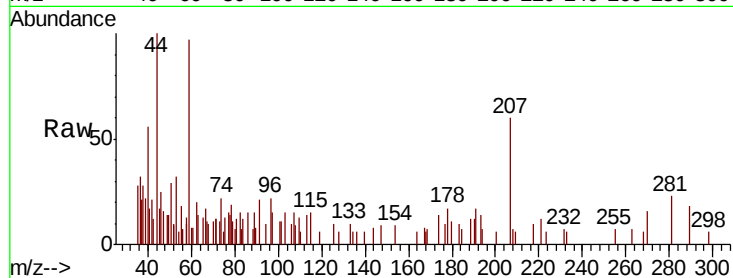




#11
Tert butyl alcohol
Concen: 0.926 ug/l
RT: 3.00 min Scan# 314
Delta R.T. -0.02 min
Lab File: VX017734.D
Acq: 01 Aug 2020 04:48

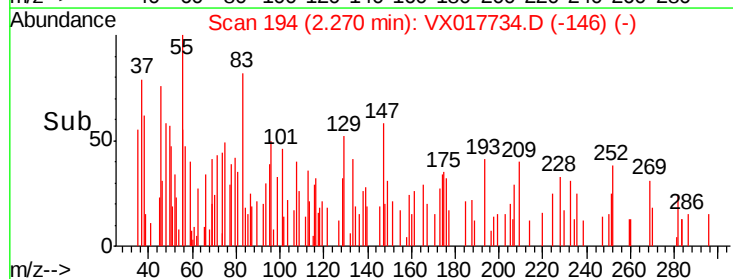
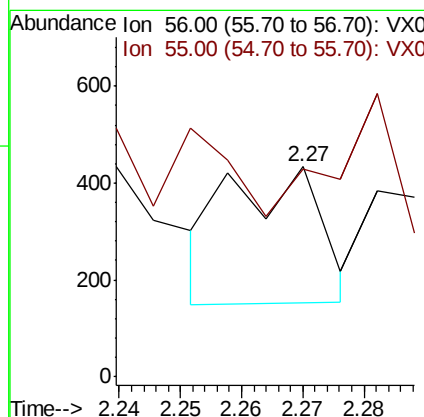
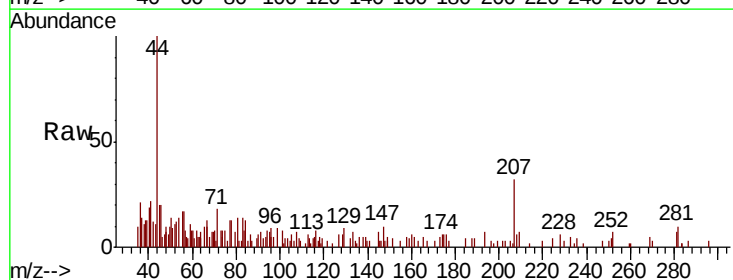
Instrument :
MSVOA_X
ClientSampleId :
TP-1

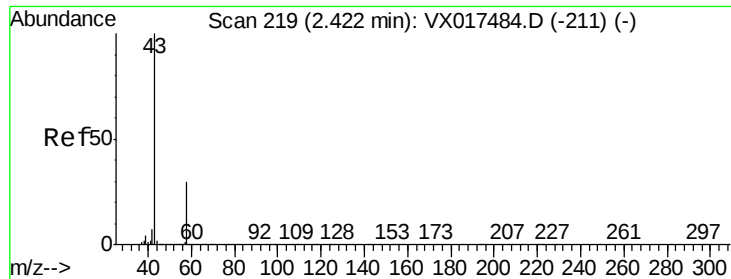
Tot Ion: 59 Resp: 1099
Ion Ratio Lower Upper
59 100
57 7.1 8.6 12.8#



#13
Acrolein
Concen: 4.462 ug/l
RT: 2.27 min Scan# 194
Delta R.T. -0.01 min
Lab File: VX017734.D
Acq: 01 Aug 2020 04:48

Tgt Ion: 56 Resp: 289
Ion Ratio Lower Upper
56 100
55 145.7 57.4 86.2#

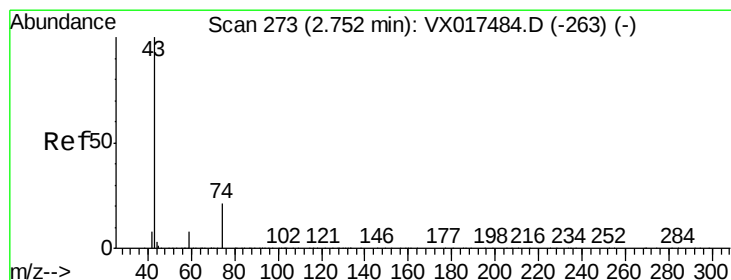
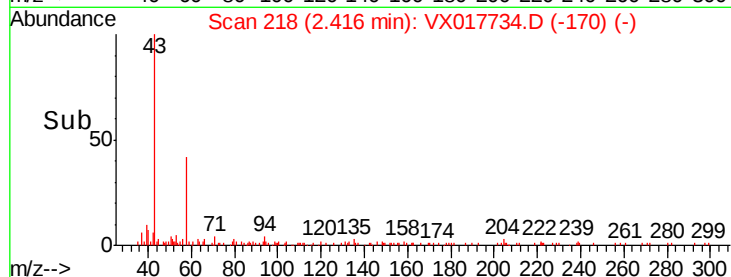
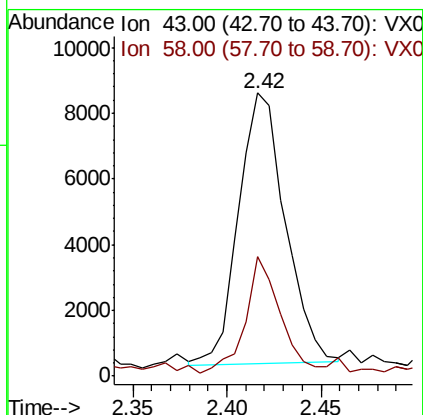
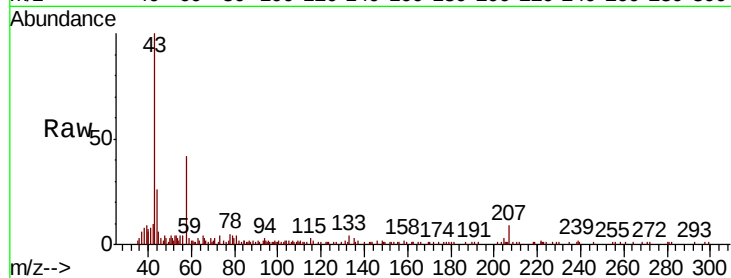




#16
Acetone
Concen: 5.702 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017734.D
Acq: 01 Aug 2020 04:48

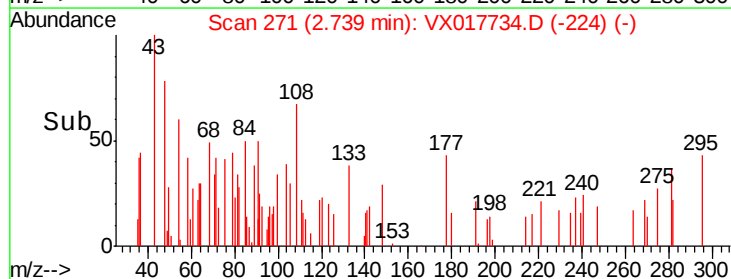
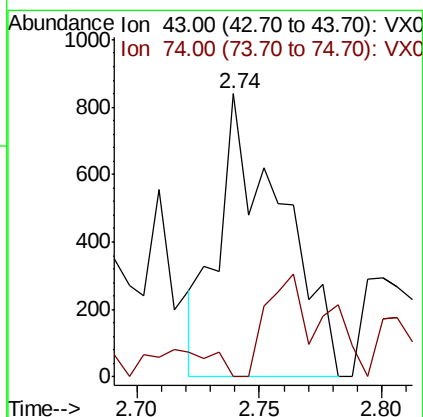
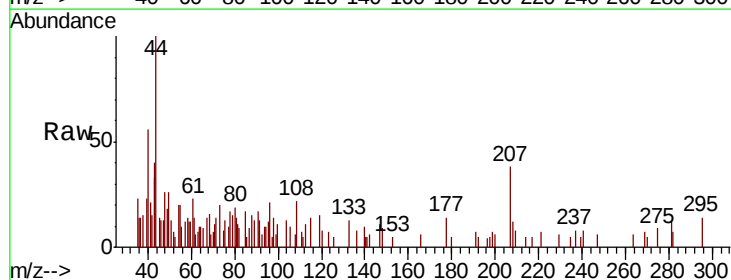
Instrument :
MSVOA_X
ClientSampleId :
TP-1

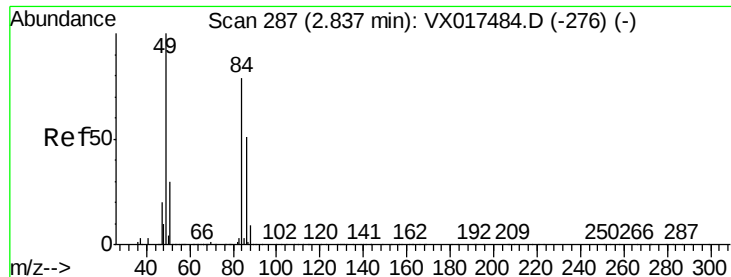
Tot Ion: 43 Resp: 14125
Ion Ratio Lower Upper
43 100
58 40.7 24.2 36.4#



#18
Methyl Acetate
Concen: 0.257 ug/l
RT: 2.74 min Scan# 271
Delta R.T. -0.01 min
Lab File: VX017734.D
Acq: 01 Aug 2020 04:48

Tgt Ion: 43 Resp: 1501
Ion Ratio Lower Upper
43 100
74 0.0 17.5 26.3#

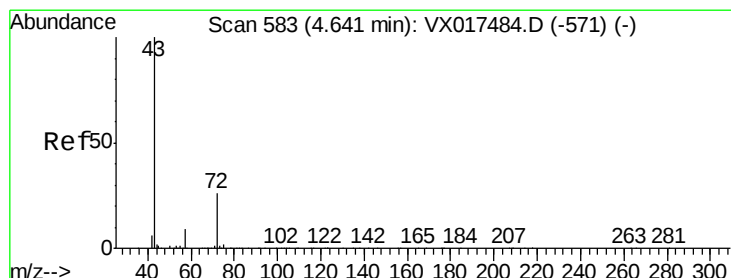
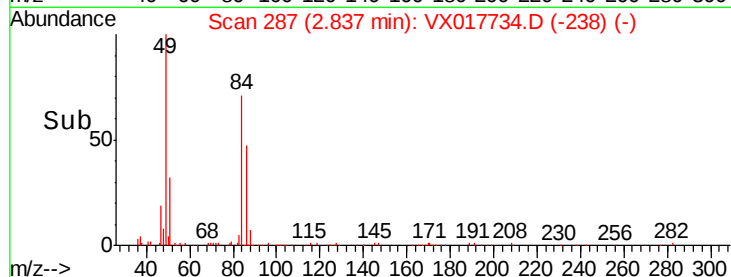
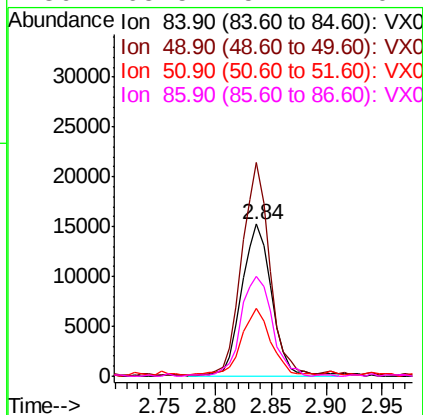
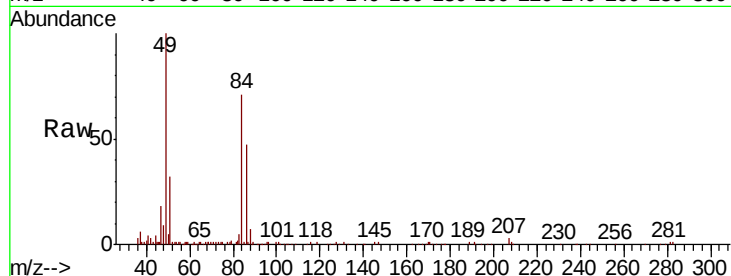




#20
Methvlene Chloride
Concen: 4.944 ug/l
RT: 2.84 min Scan# 287
Delta R.T. 0.00 min
Lab File: VX017734.D
Acq: 01 Aug 2020 04:48

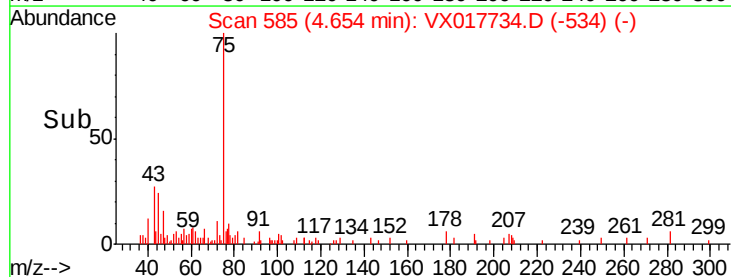
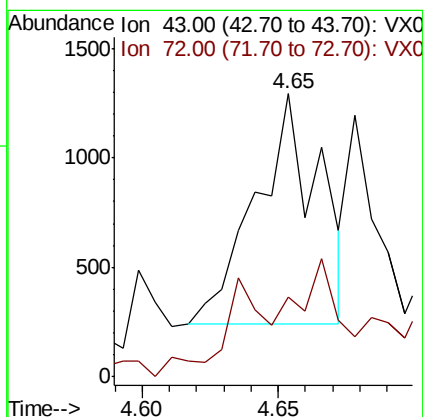
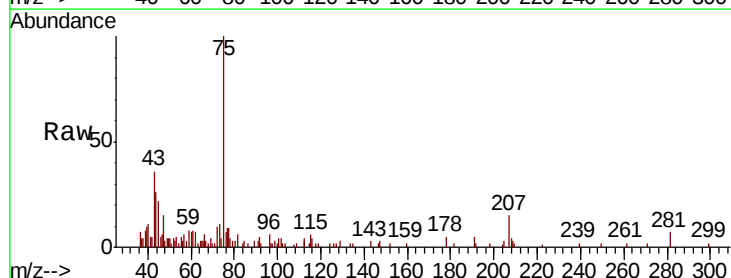
Instrument :
MSVOA_X
ClientSampleId :
TP-1

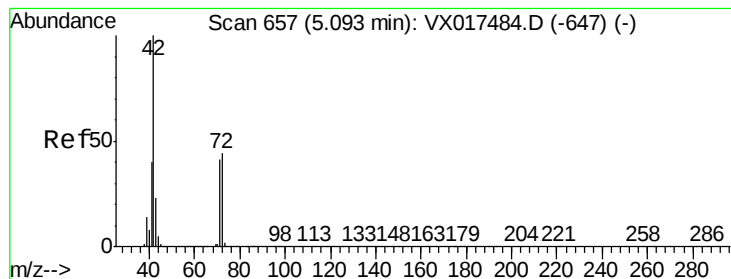
Tot Ion:	84	Resp:	28465
Ion	Ratio	Lower	Upper
84	100		
49	139.9	100.3	150.5
51	44.0	30.5	45.7
86	65.5	51.1	76.7



#25
2-Butanone
Concen: 0.478 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX017734.D
Acq: 01 Aug 2020 04:48

Tgt Ion:	43	Resp:	1684
Ion	Ratio	Lower	Upper
43	100		
72	17.4	19.0	28.4#





#29

Tetrahydrofuran

Concen: 1.482 ug/l

RT: 5.11 min Scan# 660

Delta R.T. 0.02 min

Lab File: VX017734.D

Acq: 01 Aug 2020 04:48

Instrument :

MSVOA_X

ClientSampled :

TP-1

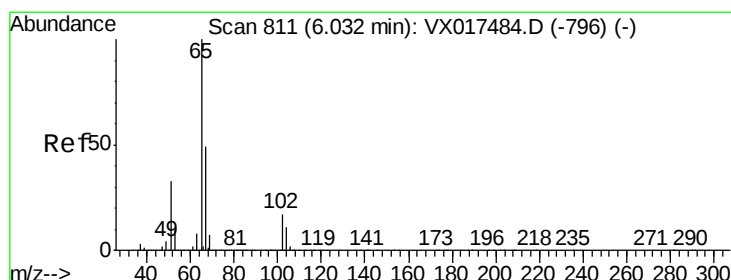
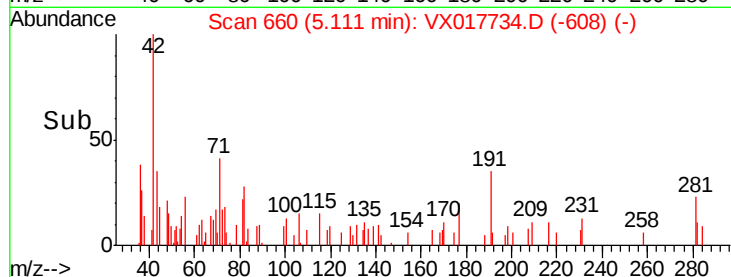
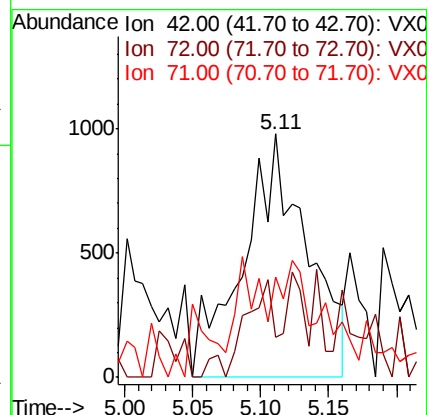
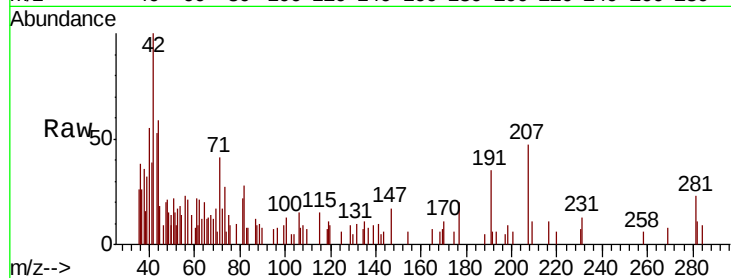
Tot Ion: 42 Resp: 3230

Ion Ratio Lower Upper

42 100

72 18.3 35.5 53.3#

71 0.0 33.0 49.4#



#33

1,2-Dichloroethane-d4

Concen: 57.099 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017734.D

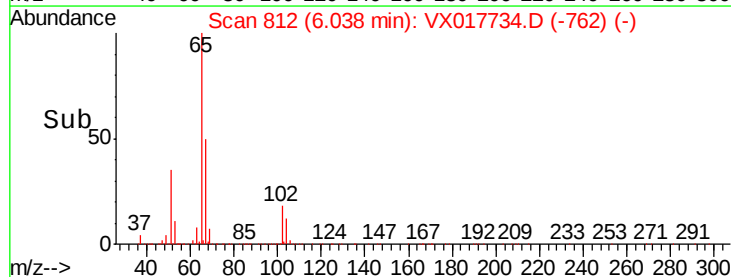
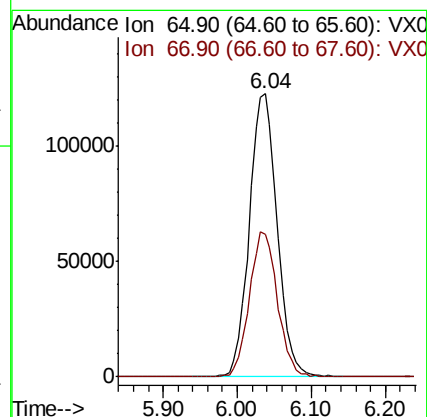
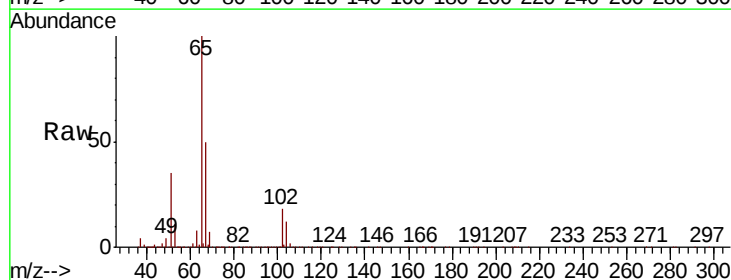
Acq: 01 Aug 2020 04:48

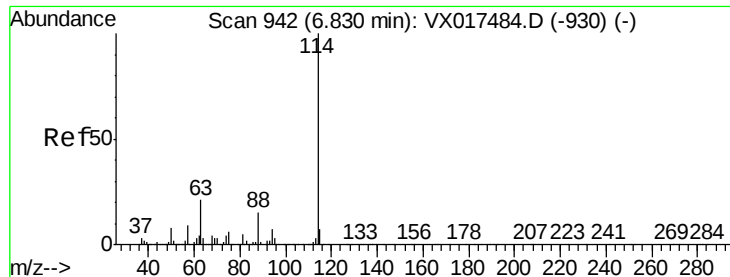
Tgt Ion: 65 Resp: 321393

Ion Ratio Lower Upper

65 100

67 51.6 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: VX017734.D

Acq: 01 Aug 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

TP-1

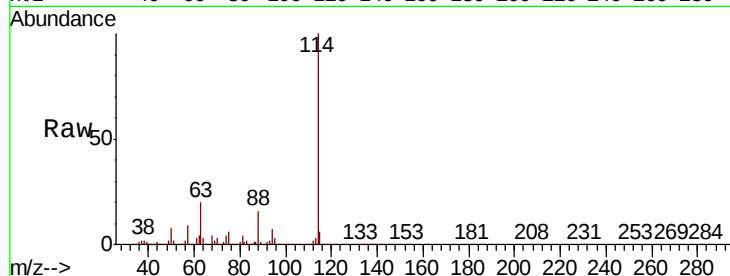
Tot Ion:114 Resp: 772567

Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.6

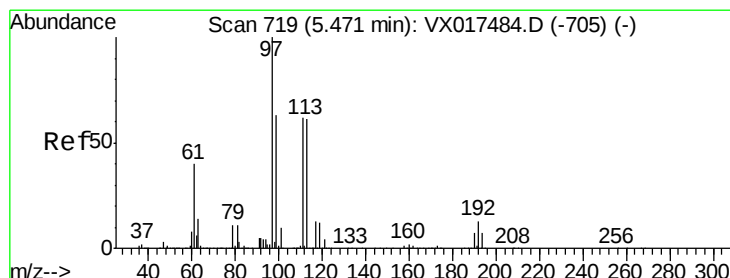
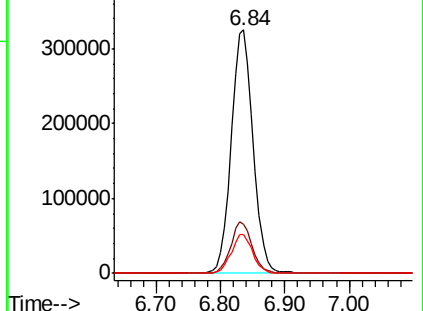
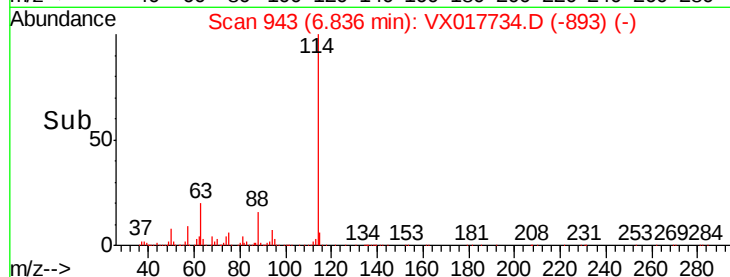
88 16.0 0.0 33.4



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: 52.057 ug/l

RT: 5.47 min Scan# 719

Delta R.T. 0.00 min

Lab File: VX017734.D

Acq: 01 Aug 2020 04:48

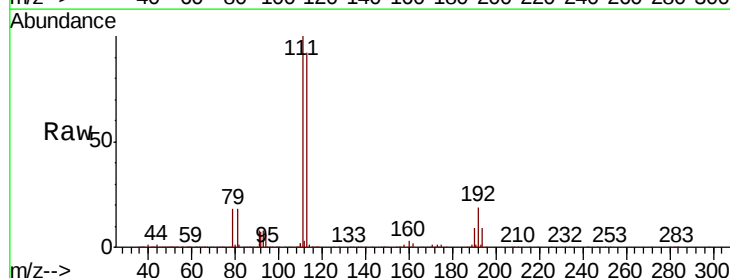
Tgt Ion:113 Resp: 268977

Ion Ratio Lower Upper

113 100

111 103.2 80.7 121.1

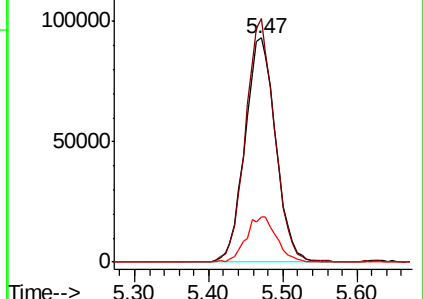
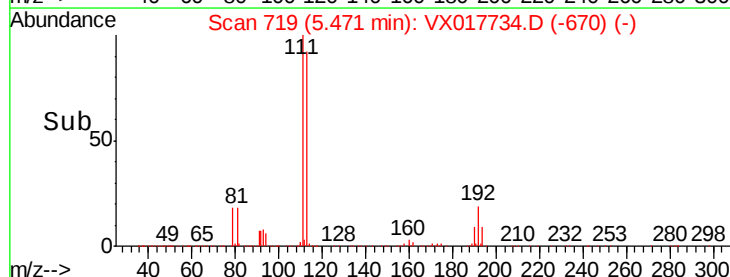
192 20.2 16.9 25.3

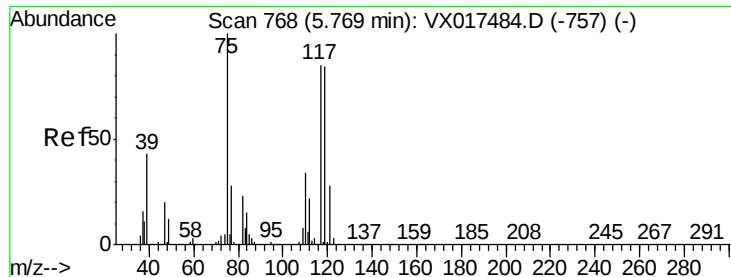


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.513 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.14 min

Lab File: VX017734.D

Acq: 01 Aug 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

TP-1

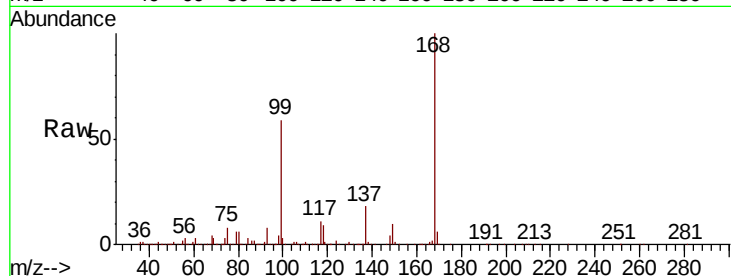
Tot Ion: 75 Resp: 33436

Ion Ratio Lower Upper

75 100

110 11.9 18.1 54.3#

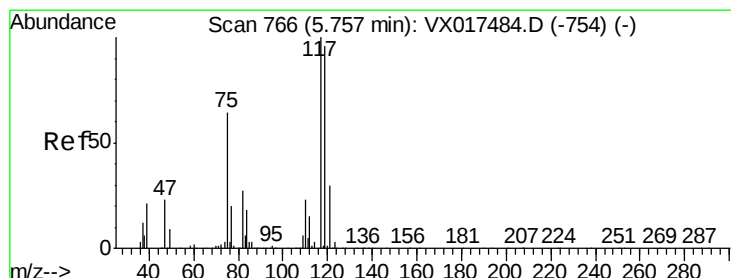
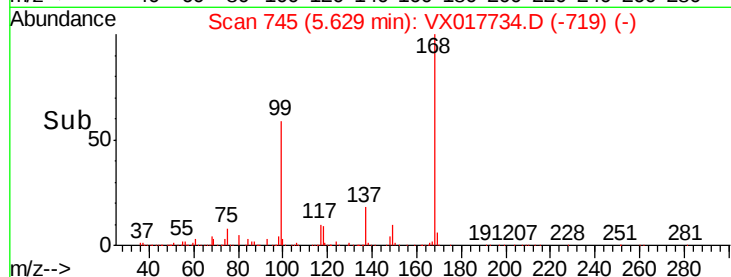
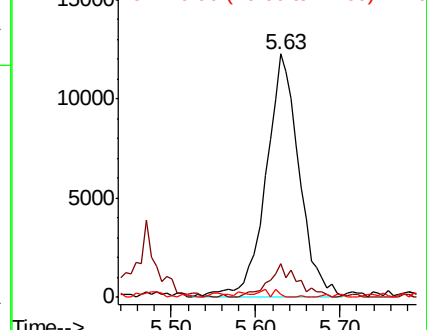
77 0.8 24.6 37.0#



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: 5.170 ug/l

RT: 5.63 min Scan# 745

Delta R.T. -0.13 min

Lab File: VX017734.D

Acq: 01 Aug 2020 04:48

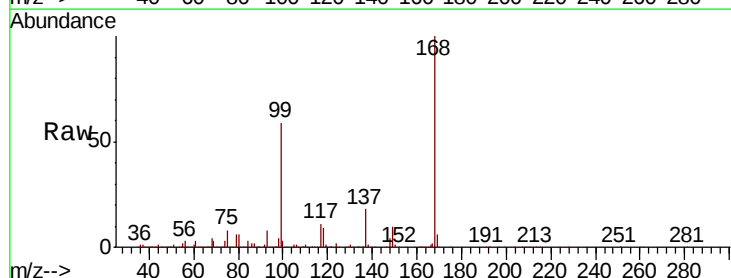
Tgt Ion: 117 Resp: 46520

Ion Ratio Lower Upper

117 100

119 5.1 75.4 113.0#

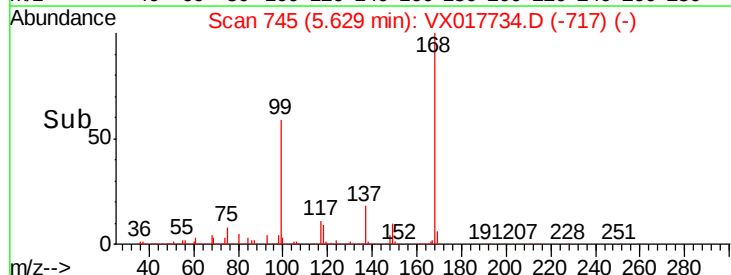
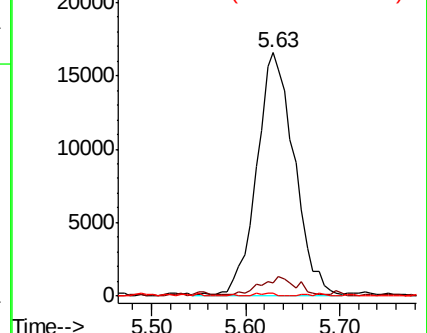
121 1.2 24.3 36.5#

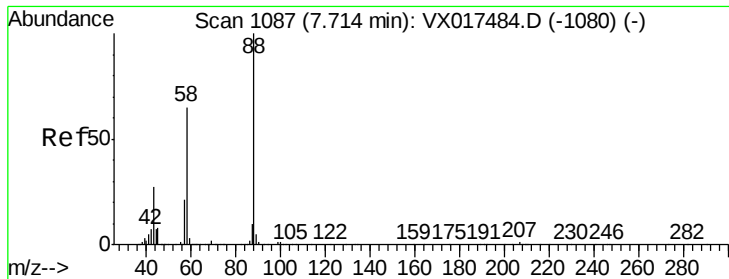


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#49

1,4-Dioxane

Concen: 1.762 ug/l

RT: 7.73 min Scan# 1090

Delta R.T. 0.02 min

Lab File: VX017734.D

Acq: 01 Aug 2020 04:48

Instrument :

MSVOA_X

ClientSampled :

TP-1

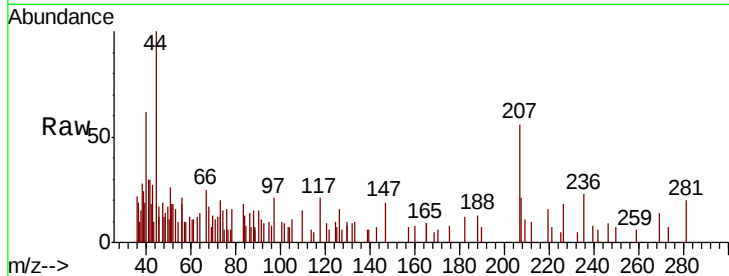
Tot Ion: 88 Resp: 224

Ion Ratio Lower Upper

88 100

43 126.8 27.8 41.6#

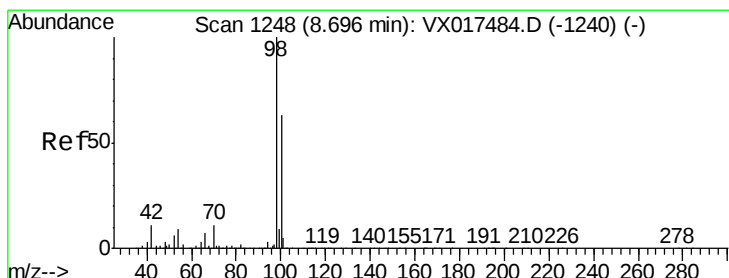
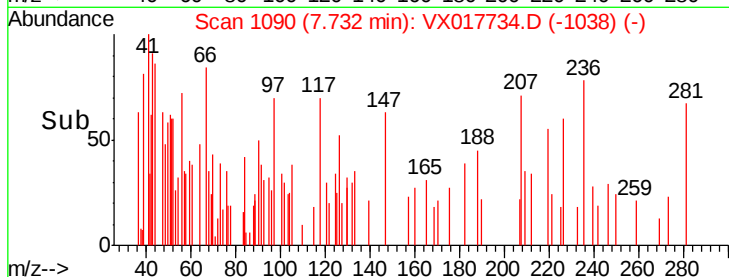
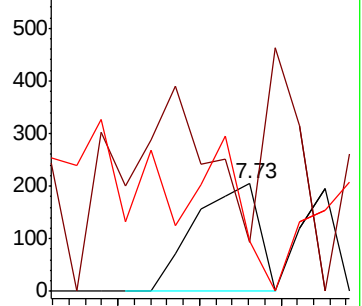
58 0.0 58.3 87.5#



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: 52.359 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. 0.00 min

Lab File: VX017734.D

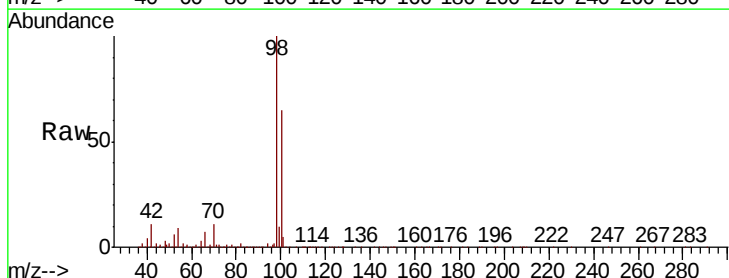
Acq: 01 Aug 2020 04:48

Tgt Ion: 98 Resp: 975960

Ion Ratio Lower Upper

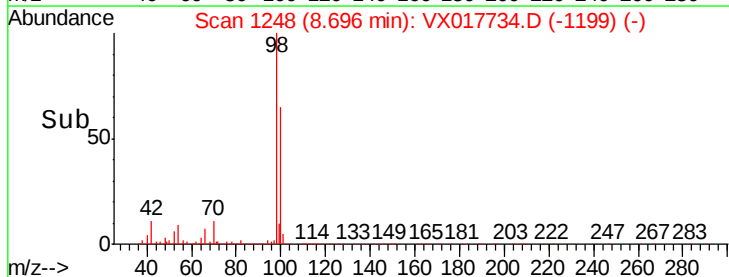
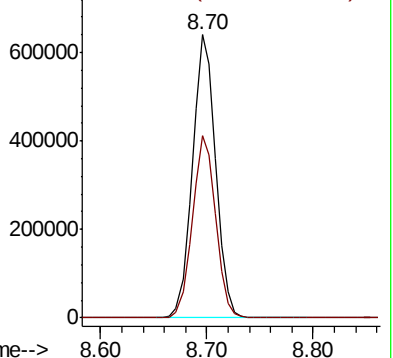
98 100

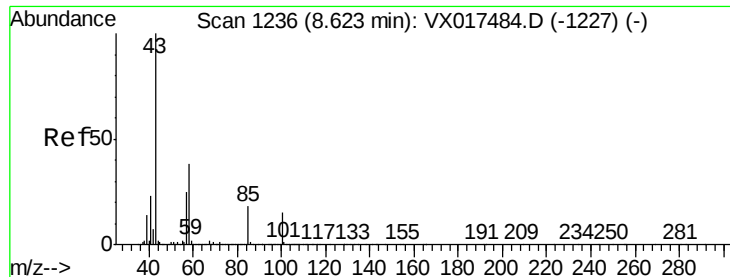
100 64.6 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): V

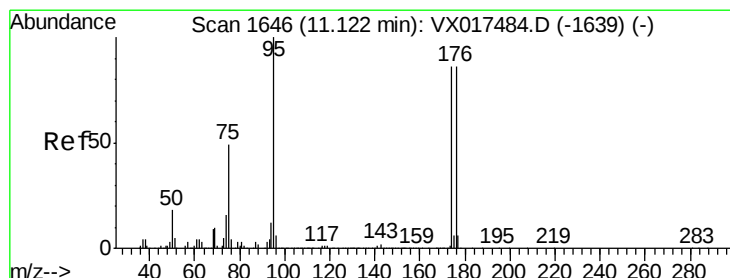
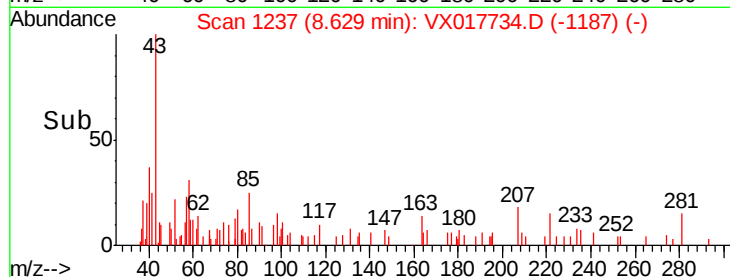
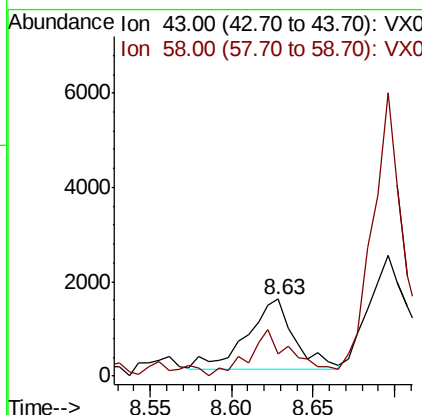
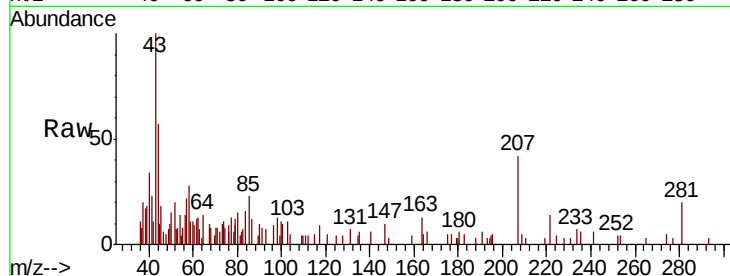




#51
 4-Methyl-2-Pentanone
 Concen: 0.373 ug/l
 RT: 8.63 min Scan# 1237
 Delta R.T. 0.01 min
 Lab File: VX017734.D
 Acq: 01 Aug 2020 04:48

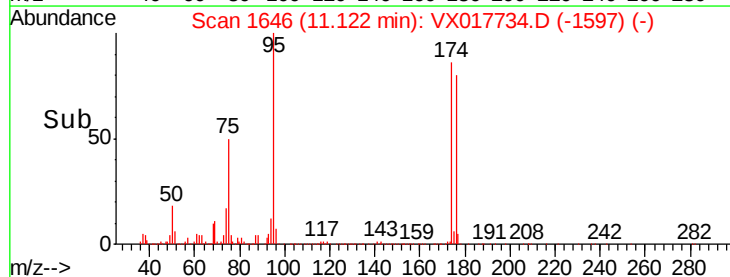
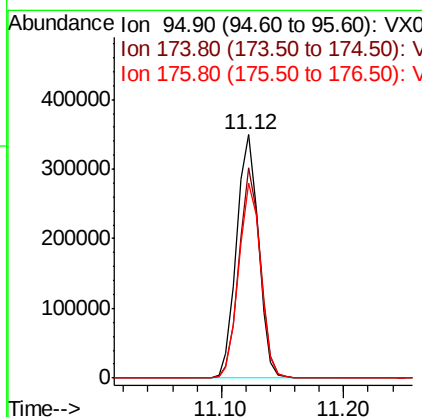
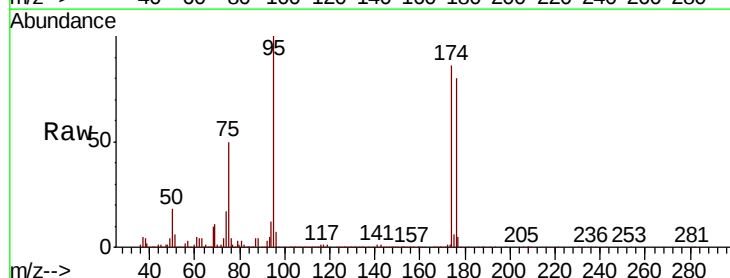
Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

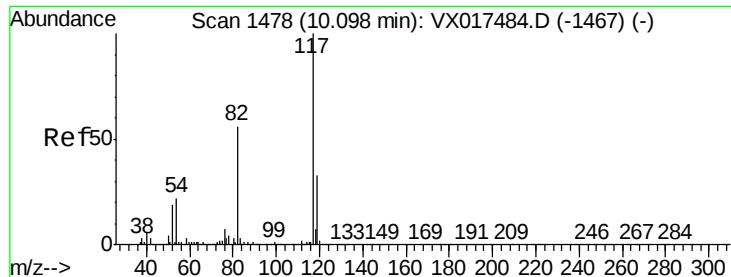
Tot Ion: 43 Resp: 2977
 Ion Ratio Lower Upper
 43 100
 58 62.6 31.0 46.4#



#62
 4-Bromofluorobenzene
 Concen: 57.794 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VX017734.D
 Acq: 01 Aug 2020 04:48

Tgt Ion: 95 Resp: 431123
 Ion Ratio Lower Upper
 95 100
 174 84.3 0.0 169.0
 176 80.5 0.0 161.0

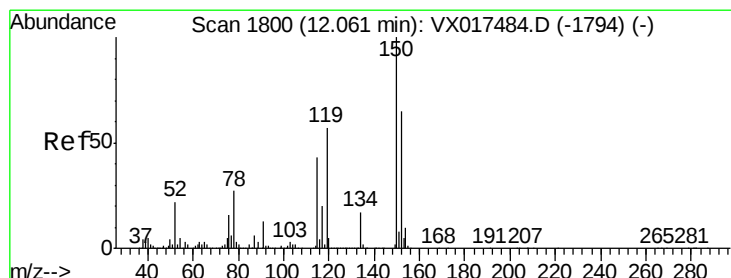
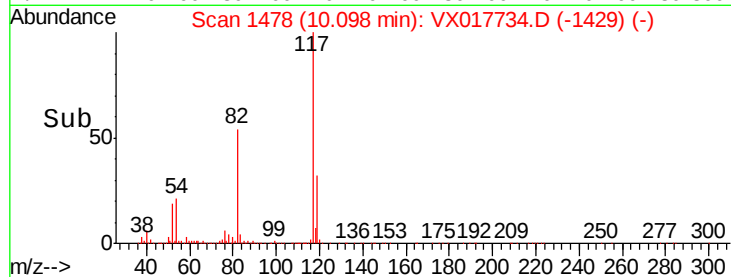
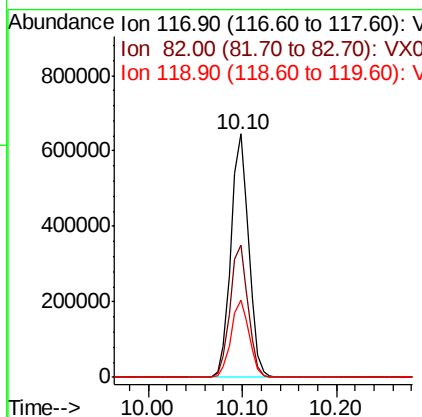
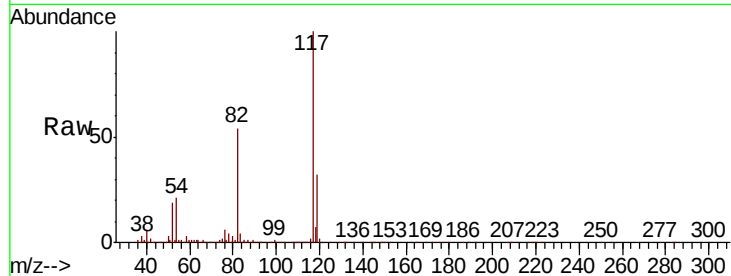




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. 0.00 min
Lab File: VX017734.D
Acq: 01 Aug 2020 04:48

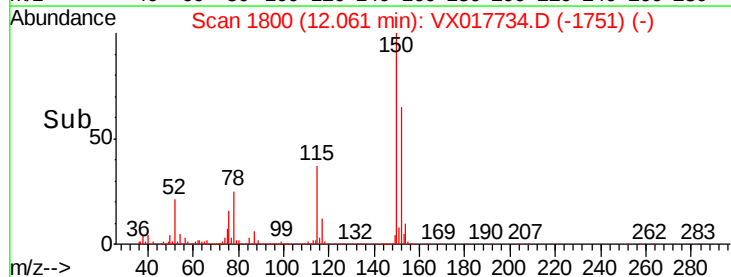
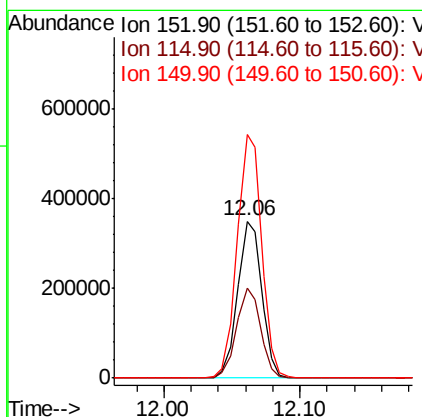
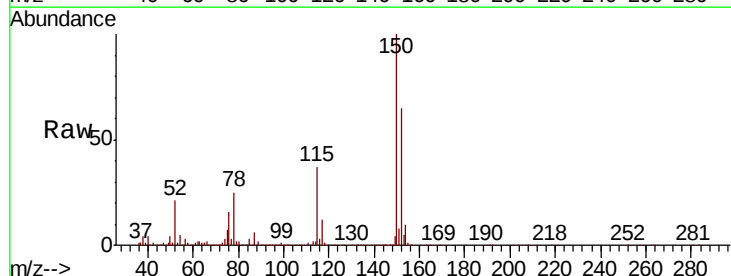
Instrument :
MSVOA_X
ClientSampleId :
TP-1

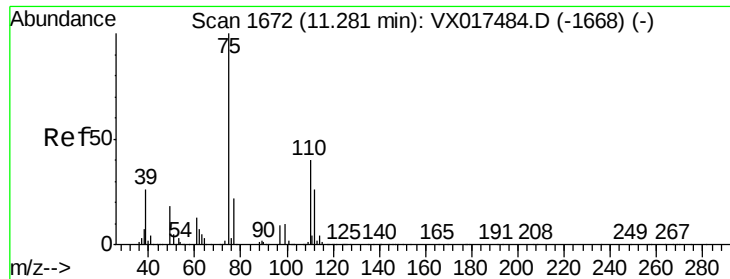
Tot Ion:117 Resp: 846038
Ion Ratio Lower Upper
117 100
82 54.4 44.0 66.0
119 31.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017734.D
Acq: 01 Aug 2020 04:48

Tgt Ion:152 Resp: 432458
Ion Ratio Lower Upper
152 100
115 57.4 65.5 196.6#
150 157.0 0.0 412.6





#76

1,2,3-Trichloropropane

Concen: 24.644 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX017734.D

Acq: 01 Aug 2020 04:48

Instrument :

MSVOA_X

ClientSampleId :

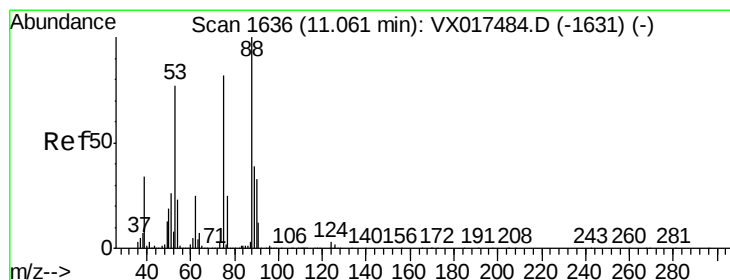
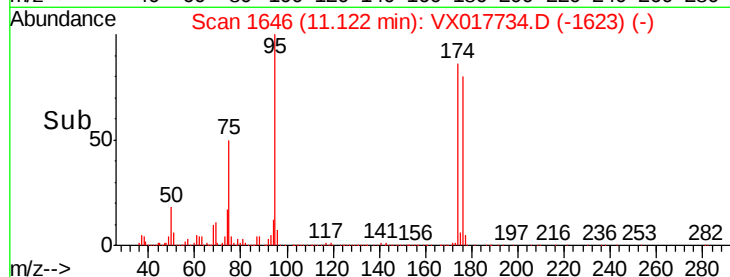
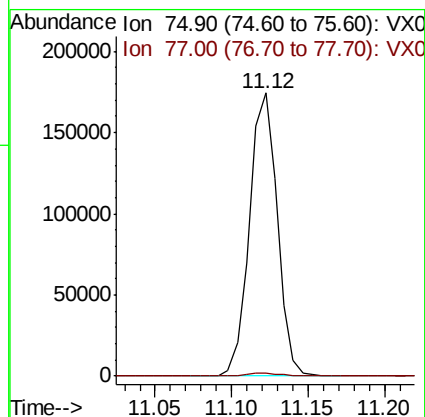
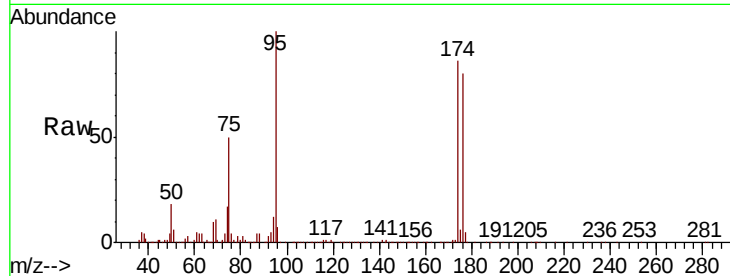
TP-1

Tot Ion: 75 Resp: 219232

Ion Ratio Lower Upper

75 100

77 1.5 21.8 65.3#



#81

trans-1,4-Dichloro-2-butene

Concen: 62.098 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.06 min

Lab File: VX017734.D

Acq: 01 Aug 2020 04:48

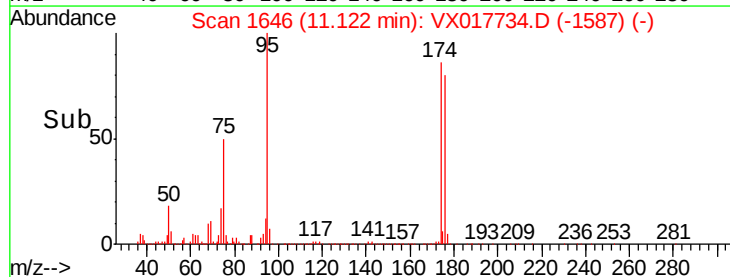
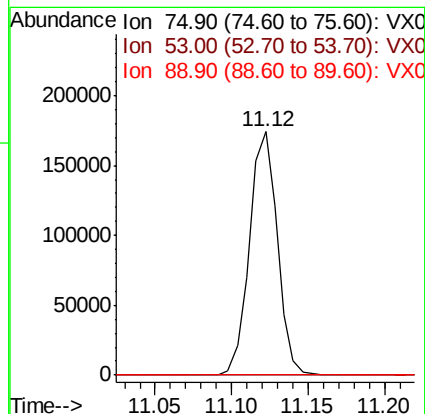
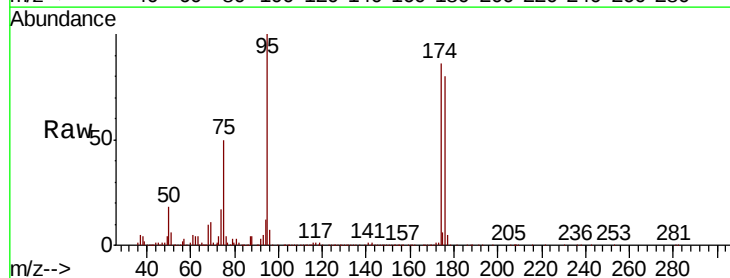
Tgt Ion: 75 Resp: 219232

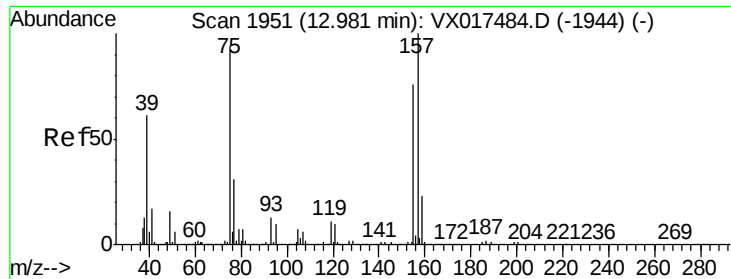
Ion Ratio Lower Upper

75 100

53 0.4 75.9 113.9#

89 0.1 37.8 56.6#

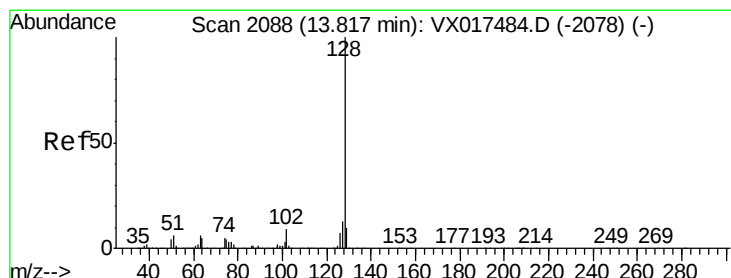
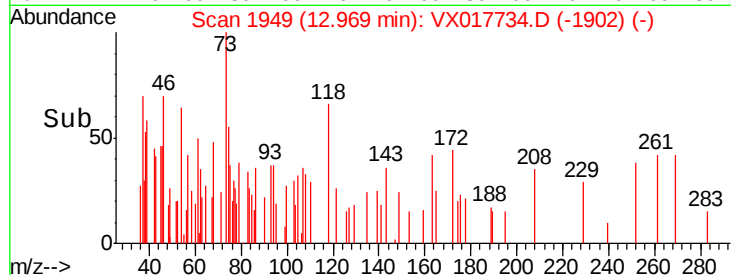
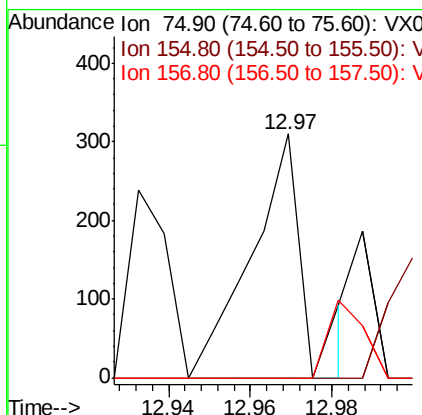
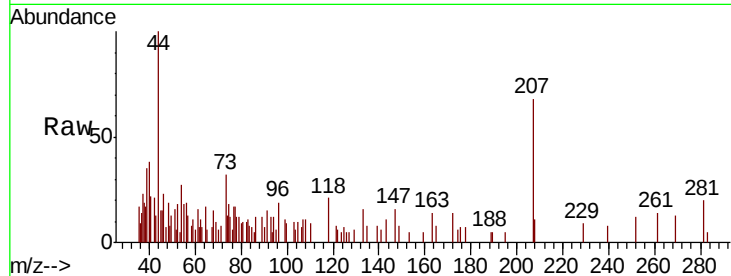




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 2.679 ug/l
 RT: 12.97 min Scan# 1949
 Delta R.T. -0.01 min
 Lab File: VX017734.D
 Acq: 01 Aug 2020 04:48

Instrument :
 MSVOA_X
 ClientSampleId :
 TP-1

Tot Ion: 75 Resp: 282
 Ion Ratio Lower Upper
 75 100
 155 0.0 42.3 126.8#
 157 21.3 54.3 162.9#



#95
 Naphthalene
 Concen: 0.311 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX017734.D
 Acq: 01 Aug 2020 04:48

Tgt Ion: 128 Resp: 8896
 Ion Ratio Lower Upper
 128 100
 127 15.1 10.4 15.6
 129 14.7 8.9 13.3#

