

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112320\
 Data File : VX019590.D
 Acq On : 24 Nov 2020 07:25
 Operator : JC/MD
 Sample : L4858-03
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 53 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PHC-340EM-012

Quant Time: Nov 24 08:09:24 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 21 01:57:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.62	168	327989	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	535142	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	462972	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	199235	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	200971	47.26	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	94.52%	
35) Dibromofluoromethane		5.46	113	159486	47.48	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	94.96%	
50) Toluene-d8		8.70	98	636659	48.77	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	97.54%	
62) 4-Bromofluorobenzene		11.12	95	213619	45.49	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	90.98%	

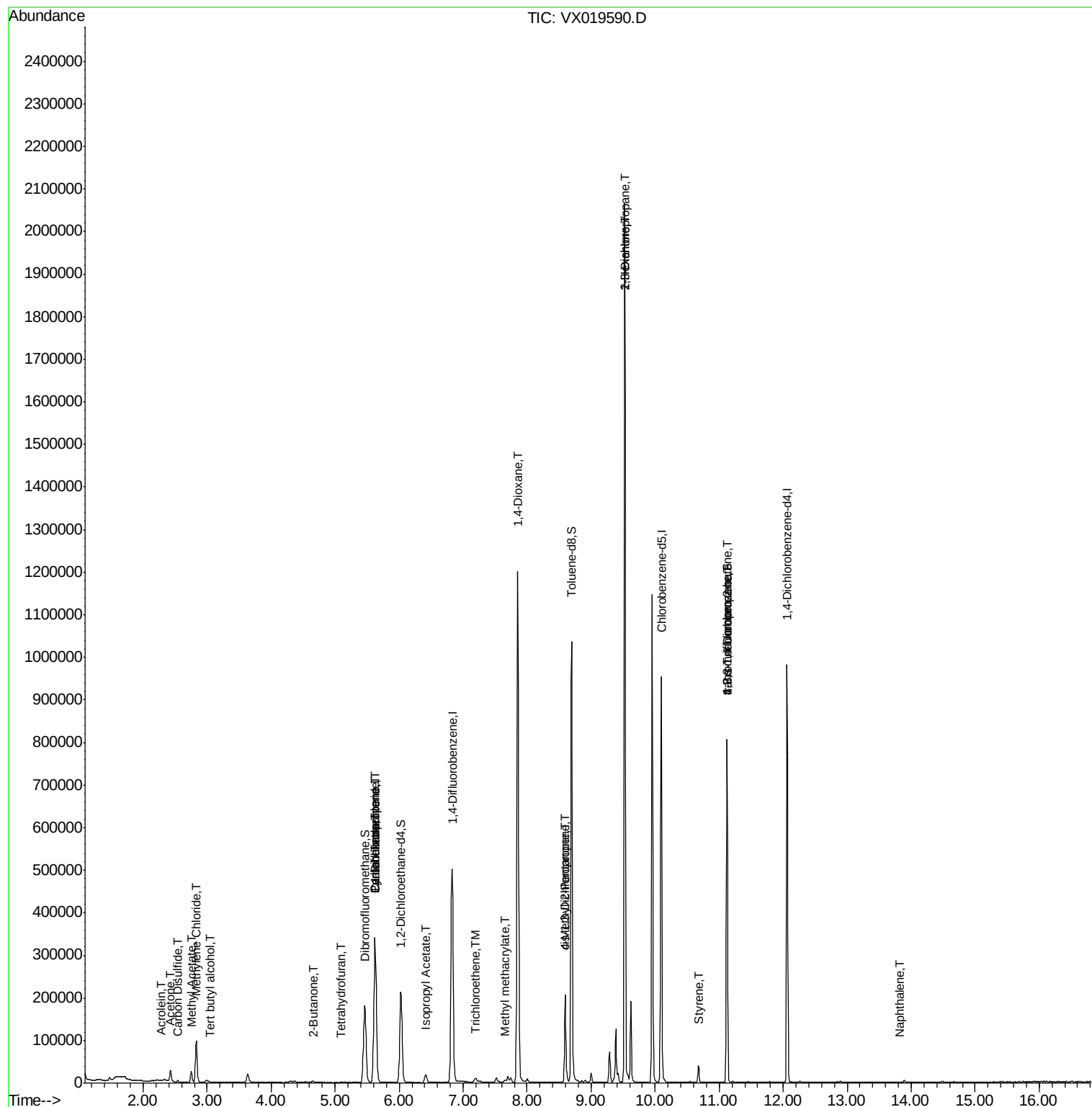
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
6) Chloroethane	1.68	64	127	Below Cal	#	49
11) Tert butyl alcohol	3.05	59	885	1.100	ug/l #	79
13) Acrolein	2.28	56	883	1.632	ug/l	93
16) Acetone	2.43	43	28240	17.172	ug/l	95
17) Carbon Disulfide	2.54	76	4832	0.552	ug/l	96
18) Methyl Acetate	2.75	43	31164	8.265	ug/l	99
20) Methylene Chloride	2.83	84	47443	11.542	ug/l	97
25) 2-Butanone	4.65	43	5033	2.037	ug/l #	85
29) Tetrahydrofuran	5.09	42	562	0.357	ug/l #	14
31) Cyclohexane	5.62	56	6306	1.140	ug/l #	1
36) 1,1-Dichloropropene	5.62	75	24635	4.910	ug/l #	50
38) Carbon Tetrachloride	5.62	117	31884	6.566	ug/l #	16
43) Isopropyl Acetate	6.42	43	26360	3.329	ug/l	99
44) Trichloroethene	7.18	130	2243	0.556	ug/l	84
48) Methyl methacrylate	7.66	41	5635	1.520	ug/l #	9
49) 1,4-Dioxane	7.85	88	197	2.340	ug/l #	1
51) 4-Methyl-2-Pentanone	8.59	43	70239	15.214	ug/l #	47
54) cis-1,3-Dichloropropene	8.59	75	37355	6.184	ug/l #	61
57) 1,3-Dichloropropane	9.52	76	17943	2.791	ug/l #	44
59) 2-Hexanone	9.52	43	220736	63.040	ug/l #	47
70) Styrene	10.69	104	176	1.661	ug/l #	73
76) 1,2,3-Trichloropropane	11.12	75	103124	23.718	ug/l #	37
81) trans-1,4-Dichloro-2-buten	11.12	75	103124	62.869	ug/l #	12
95) Naphthalene	13.82	128	949	2.240	ug/l #	94

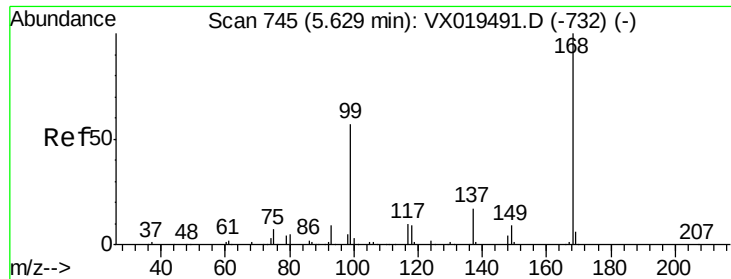
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112320\
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ALS Vial : 53 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
PHC-340EM-012

Quant Time: Nov 24 08:09:24 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112120W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 21 01:57:45 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.01 min

Lab File: VX019590.D

Acq: 24 Nov 2020 07:25

Instrument :

MSVOA_X

ClientSampled :

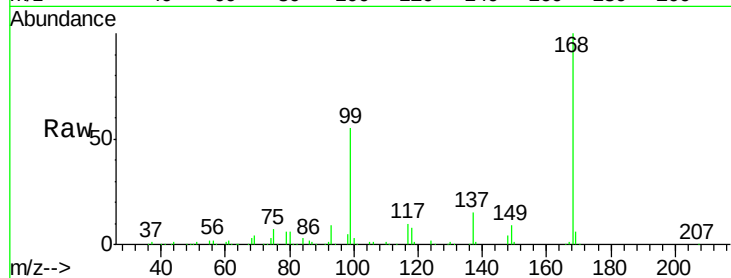
PHC-340EM-012

Tot Ion:168 Resp: 327989

Ion Ratio Lower Upper

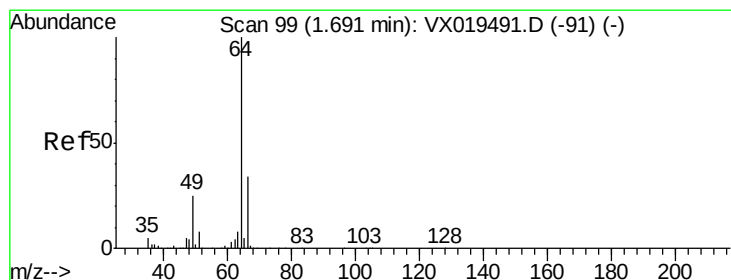
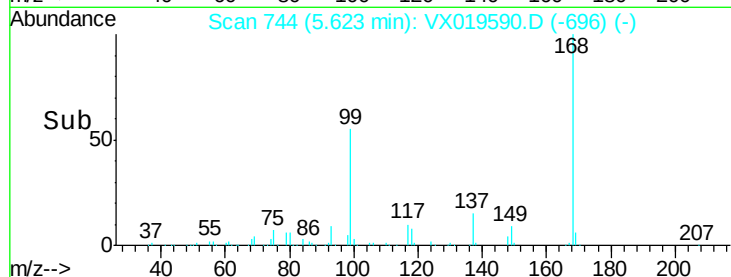
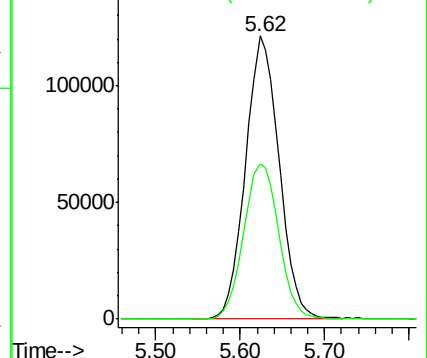
168 100

99 54.8 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#6

Chloroethane

Concen: Below Cal

RT: 1.68 min Scan# 97

Delta R.T. -0.01 min

Lab File: VX019590.D

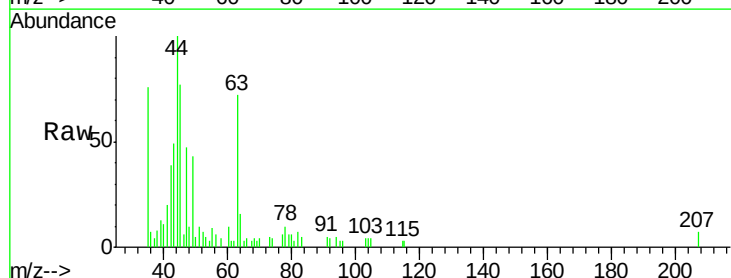
Acq: 24 Nov 2020 07:25

Tgt Ion: 64 Resp: 127

Ion Ratio Lower Upper

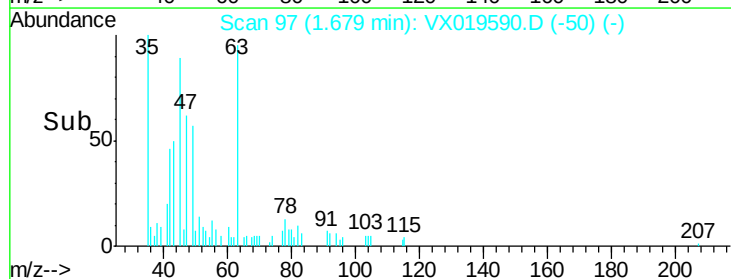
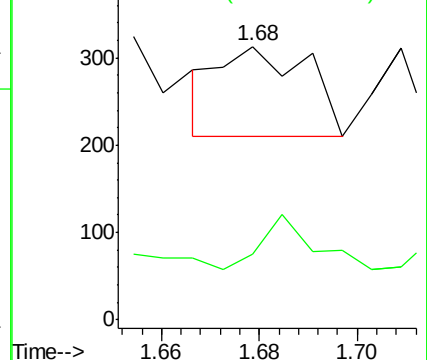
64 100

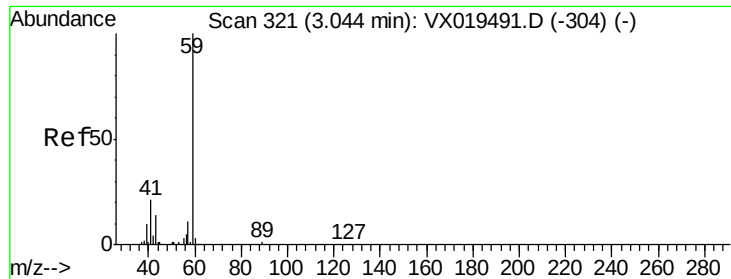
66 4.9 27.1 40.7#



Abundance Ion 63.90 (63.60 to 64.60): VX0

Ion 65.90 (65.60 to 66.60): VX0



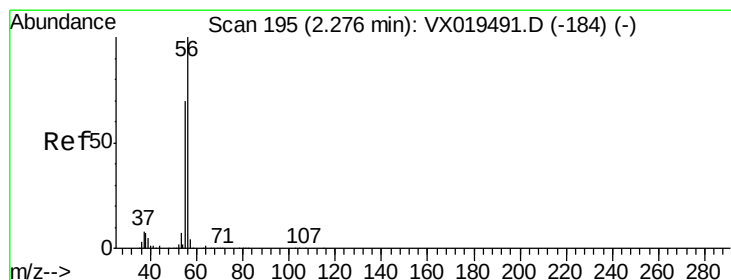
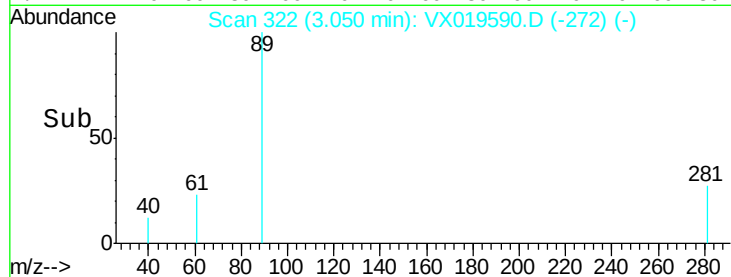
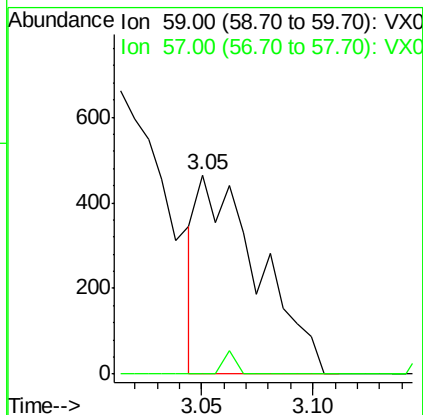
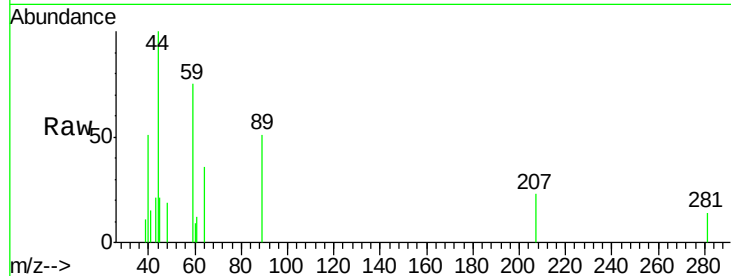


#11

Tert butyl alcohol
 Concen: 1.100 ug/l
 RT: 3.05 min Scan# 322
 Delta R.T. 0.01 min
 Lab File: VX019590.D
 Acq: 24 Nov 2020 07:25

Instrument :
 MSVOA_X
 ClientSampleId :
 PHC-340EM-012

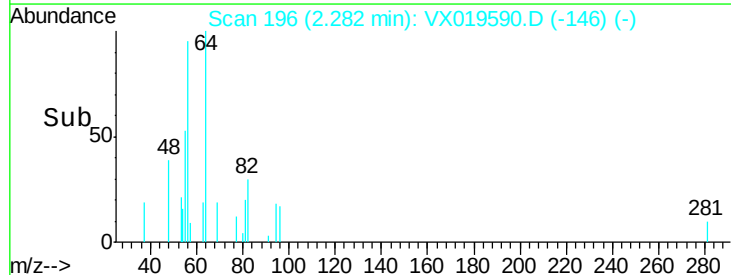
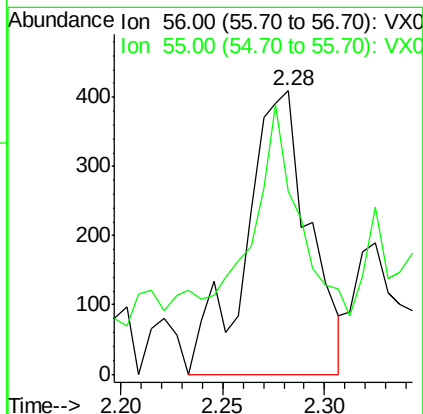
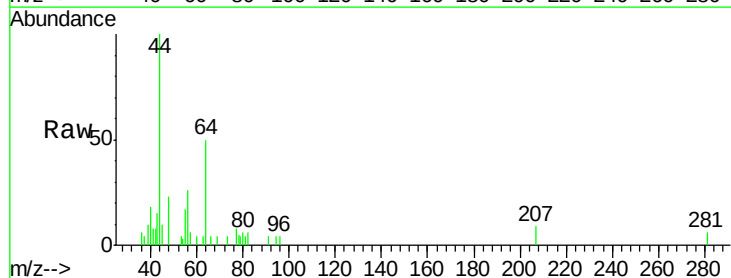
Tot Ion: 59 Resp: 885
 Ion Ratio Lower Upper
 59 100
 57 2.3 7.9 11.9#

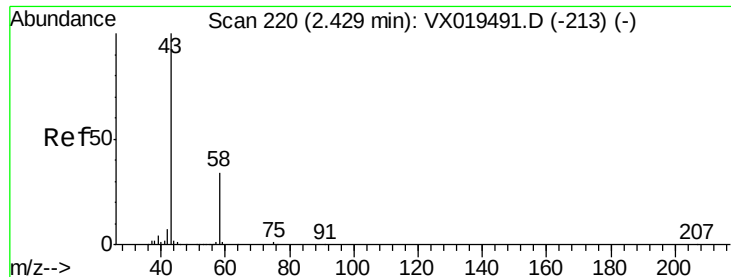


#13

Acrolein
 Concen: 1.632 ug/l
 RT: 2.28 min Scan# 196
 Delta R.T. 0.01 min
 Lab File: VX019590.D
 Acq: 24 Nov 2020 07:25

Tgt Ion: 56 Resp: 883
 Ion Ratio Lower Upper
 56 100
 55 74.7 55.5 83.3





#16

Acetone

Concen: 17.172 ug/l

RT: 2.43 min Scan# 220

Delta R.T. -0.00 min

Lab File: VX019590.D

Acq: 24 Nov 2020 07:25

Instrument :

MSVOA_X

ClientSampleId :

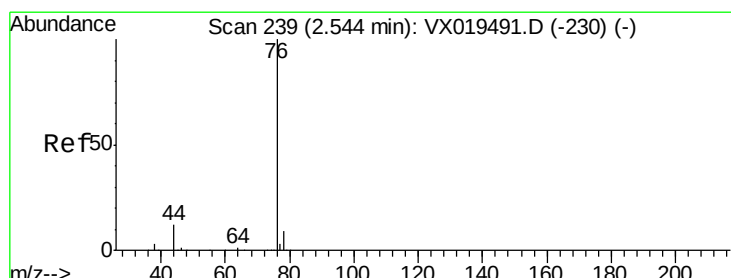
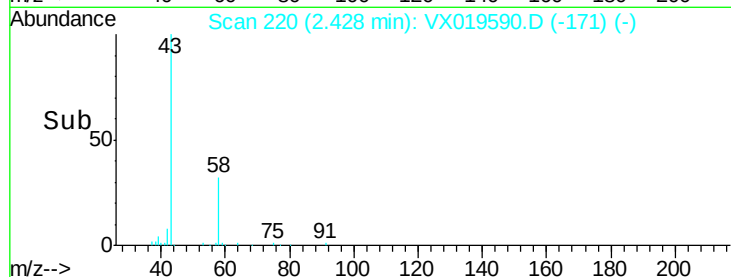
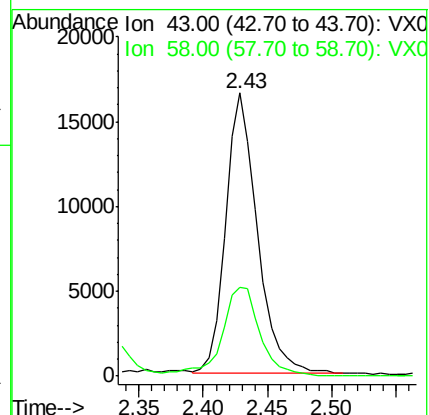
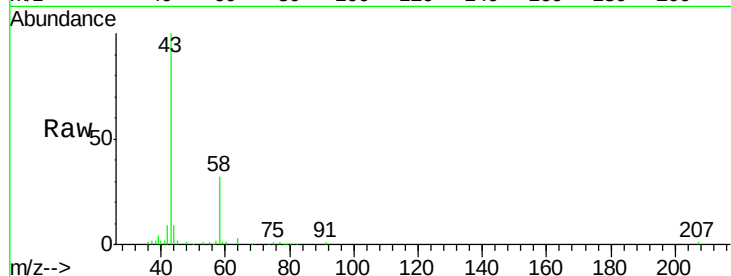
PHC-340EM-012

Tot Ion: 43 Resp: 28240

Ion Ratio Lower Upper

43 100

58 31.5 27.4 41.2



#17

Carbon Disulfide

Concen: 0.552 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.01 min

Lab File: VX019590.D

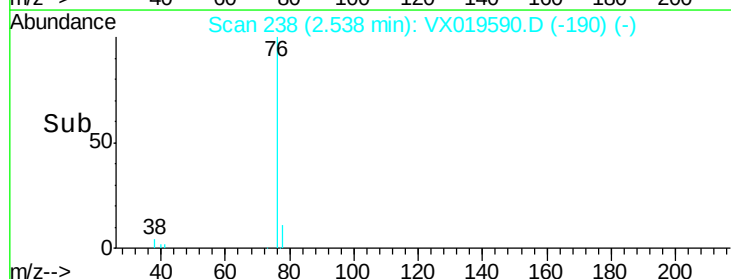
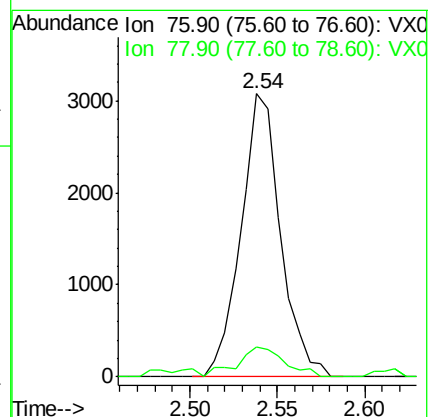
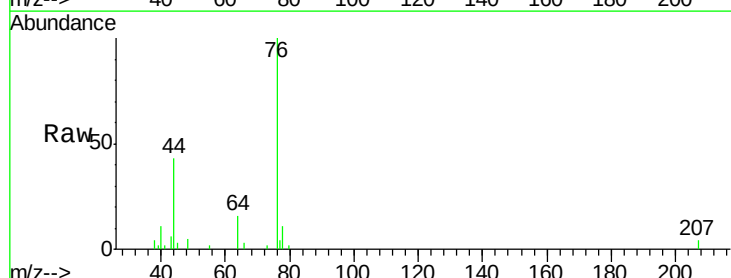
Acq: 24 Nov 2020 07:25

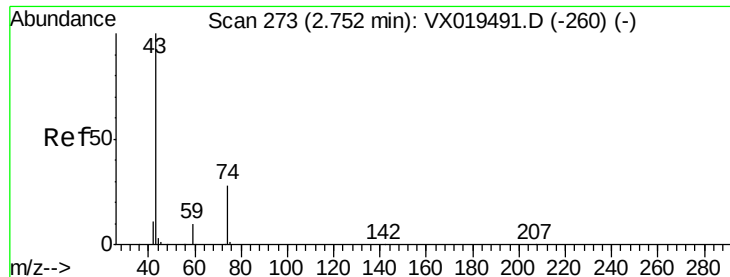
Tgt Ion: 76 Resp: 4832

Ion Ratio Lower Upper

76 100

78 10.5 7.2 10.8

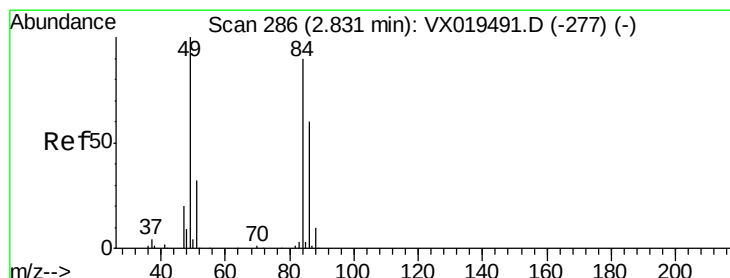
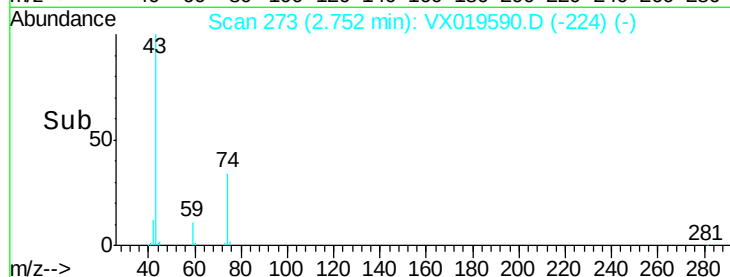
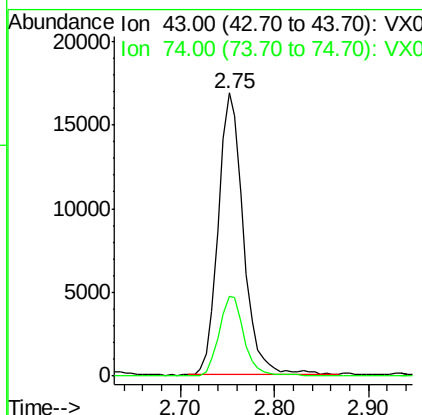
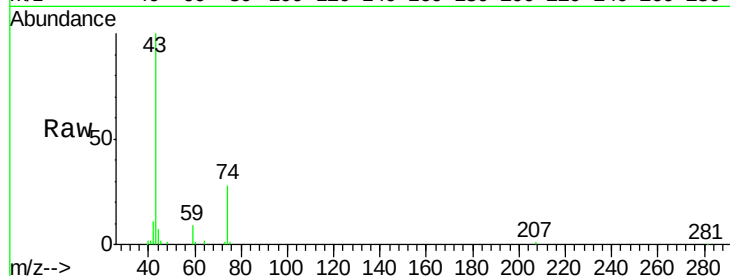




#18
Methyl Acetate
Concen: 8.265 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX019590.D
Acq: 24 Nov 2020 07:25

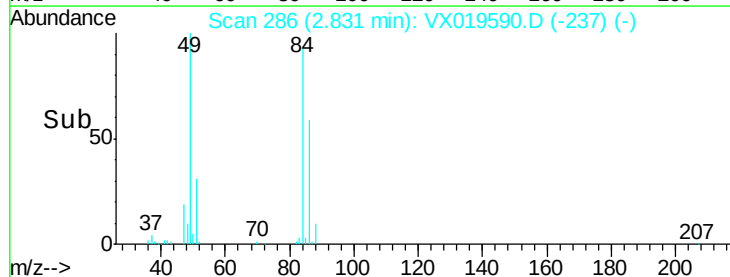
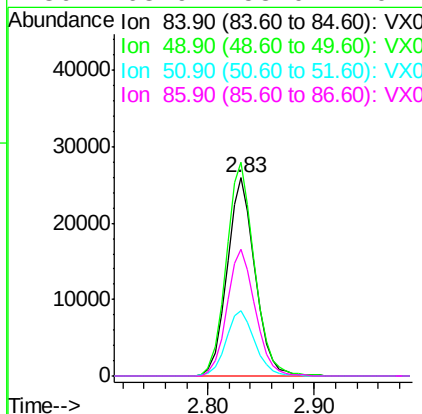
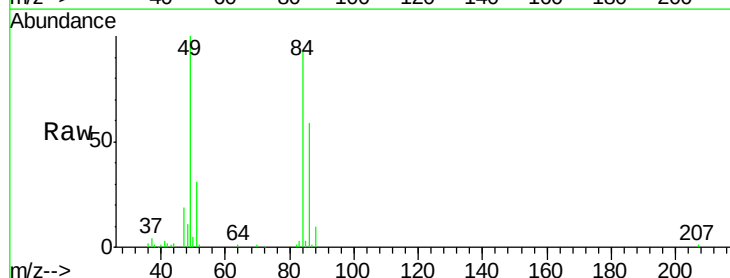
Instrument :
MSVOA_X
ClientSampleId :
PHC-340EM-012

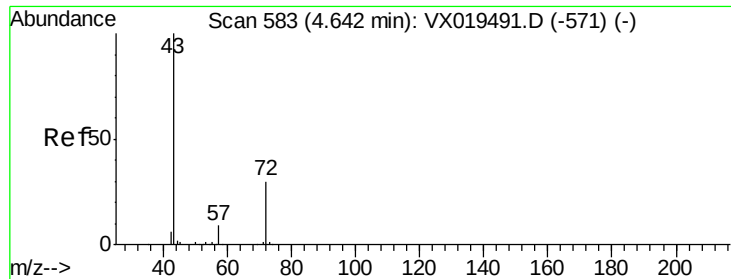
Tot Ion: 43 Resp: 31164
Ion Ratio Lower Upper
43 100
74 28.3 22.2 33.4



#20
Methylene Chloride
Concen: 11.542 ug/l
RT: 2.83 min Scan# 286
Delta R.T. -0.00 min
Lab File: VX019590.D
Acq: 24 Nov 2020 07:25

Tgt Ion: 84 Resp: 47443
Ion Ratio Lower Upper
84 100
49 107.8 88.5 132.7
51 33.1 28.0 42.0
86 63.9 53.0 79.4





#25

2-Butanone

Concen: 2.037 ug/l

RT: 4.65 min Scan# 585

Delta R.T. 0.01 min

Lab File: VX019590.D

Acq: 24 Nov 2020 07:25

Instrument :

MSVOA_X

ClientSampleId :

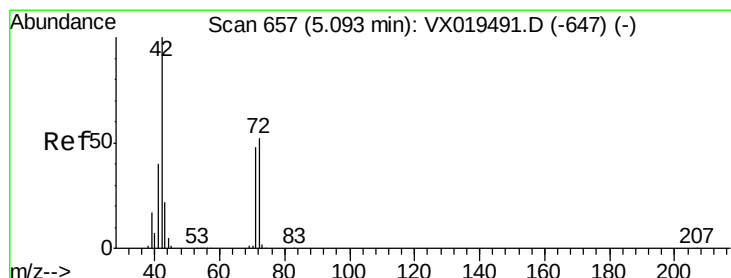
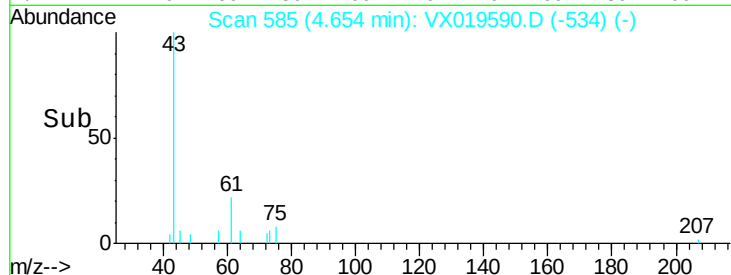
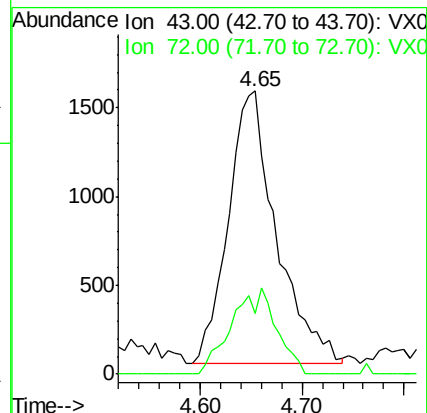
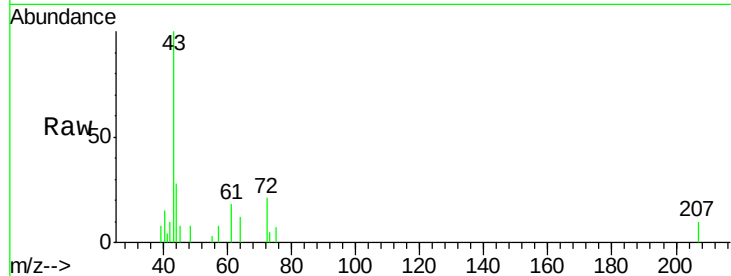
PHC-340EM-012

Tot Ion: 43 Resp: 5033

Ion Ratio Lower Upper

43 100

72 22.1 24.0 36.0#



#29

Tetrahydrofuran

Concen: 0.357 ug/l

RT: 5.09 min Scan# 657

Delta R.T. -0.00 min

Lab File: VX019590.D

Acq: 24 Nov 2020 07:25

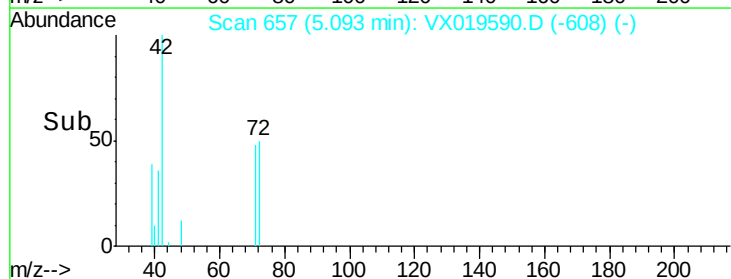
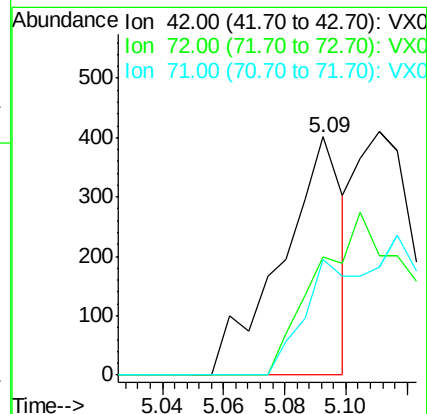
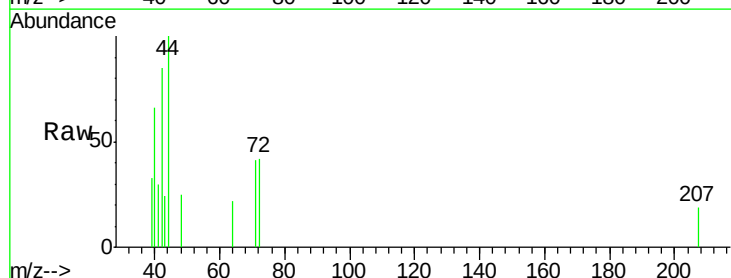
Tgt Ion: 42 Resp: 562

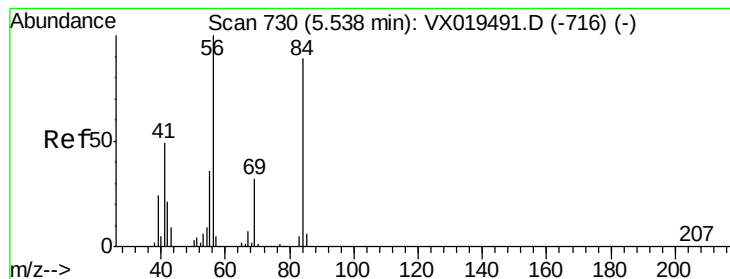
Ion Ratio Lower Upper

42 100

72 123.8 42.6 63.8#

71 0.0 39.0 58.6#





#31

Cyclohexane

Concen: 1.140 ug/l

RT: 5.62 min Scan# 743

Delta R.T. 0.08 min

Lab File: VX019590.D

Acq: 24 Nov 2020 07:25

Instrument :

MSVOA_X

ClientSampleId :

PHC-340EM-012

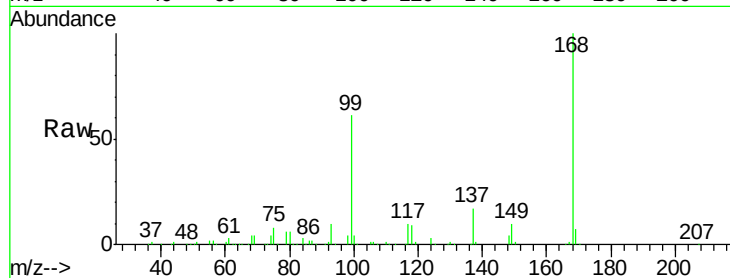
Tot Ion: 56 Resp: 6306

Ion Ratio Lower Upper

56 100

69 191.6 25.5 38.3#

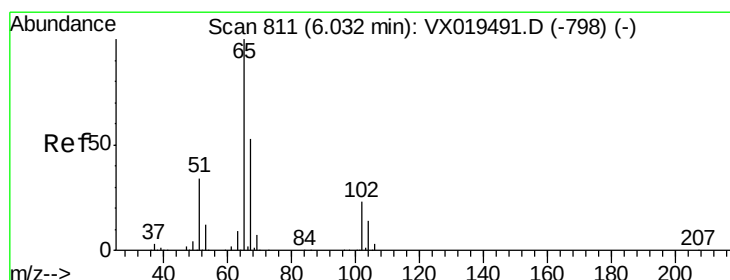
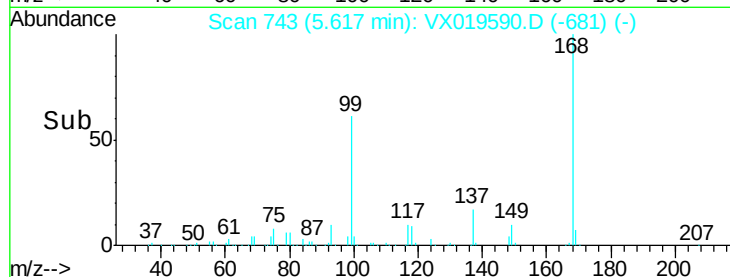
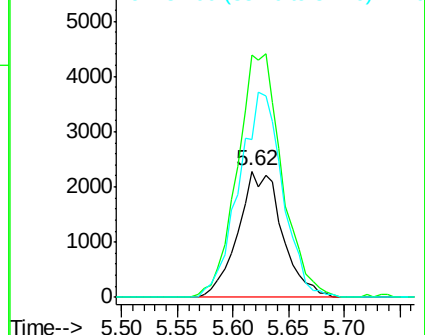
84 125.0 71.1 106.7#



Abundance Ion 56.00 (55.70 to 56.70): VX0

Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0



#33

1,2-Dichloroethane-d4

Concen: 47.258 ug/l

RT: 6.03 min Scan# 810

Delta R.T. -0.01 min

Lab File: VX019590.D

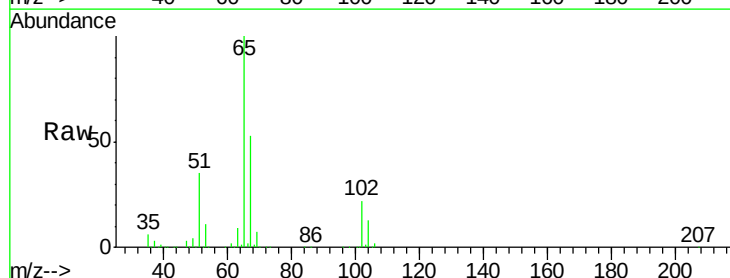
Acq: 24 Nov 2020 07:25

Tgt Ion: 65 Resp: 200971

Ion Ratio Lower Upper

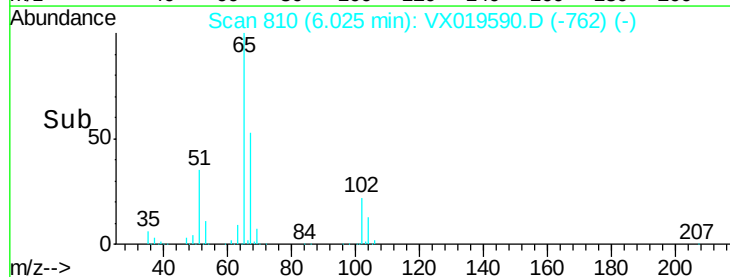
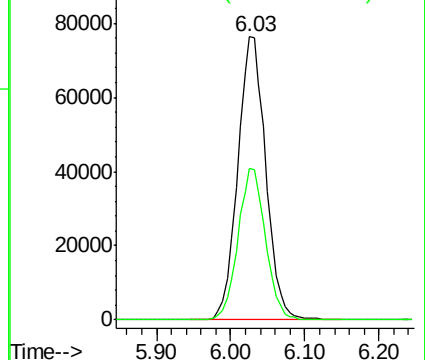
65 100

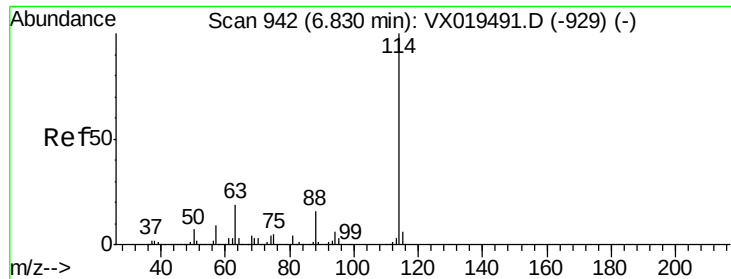
67 52.7 0.0 105.0



Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.00 min

Lab File: VX019590.D

Acq: 24 Nov 2020 07:25

Instrument :

MSVOA_X

ClientSampleId :

PHC-340EM-012

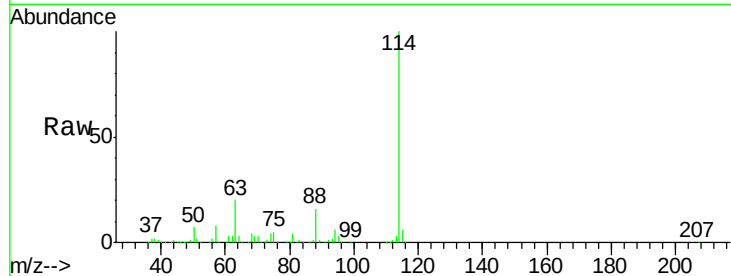
Tot Ion:114 Resp: 535142

Ion Ratio Lower Upper

114 100

63 20.2 0.0 38.8

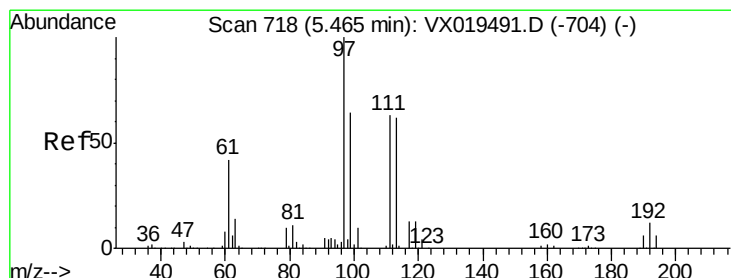
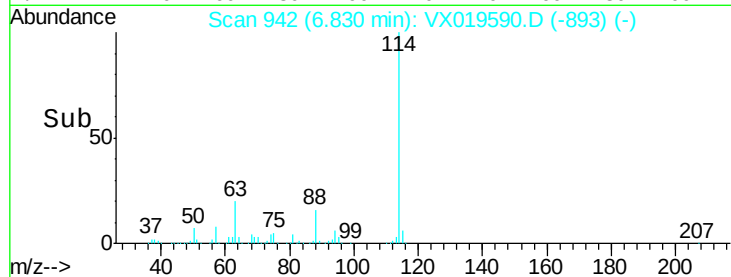
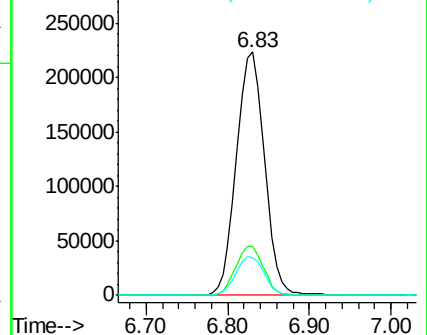
88 15.6 0.0 31.6



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: 47.479 ug/l

RT: 5.46 min Scan# 718

Delta R.T. -0.00 min

Lab File: VX019590.D

Acq: 24 Nov 2020 07:25

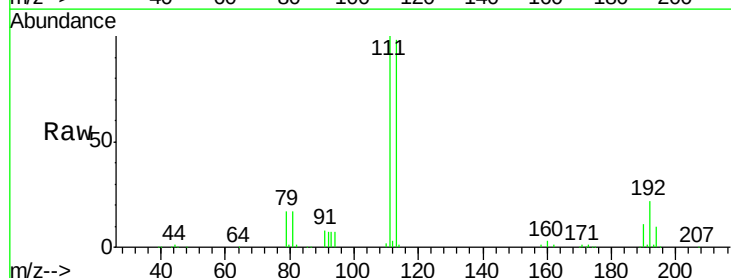
Tgt Ion:113 Resp: 159486

Ion Ratio Lower Upper

113 100

111 103.4 81.5 122.3

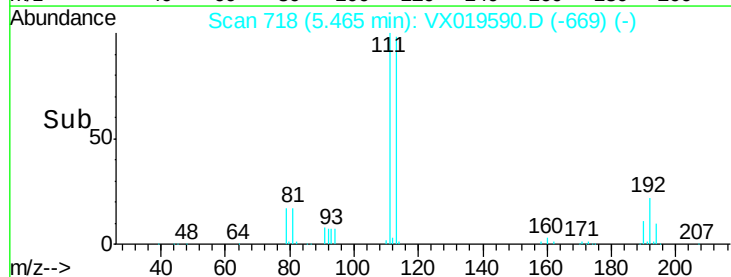
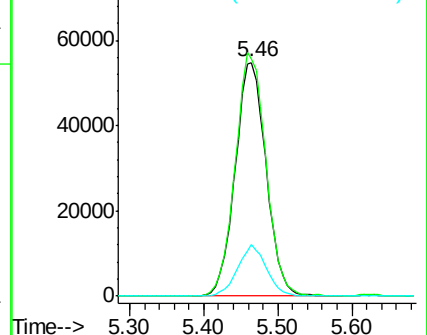
192 20.6 16.2 24.2

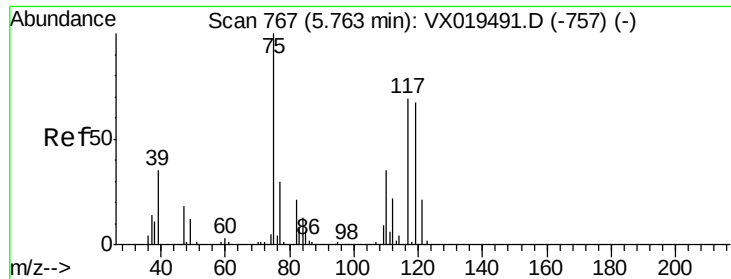


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.910 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.14 min

Lab File: VX019590.D

Acq: 24 Nov 2020 07:25

Instrument :

MSVOA_X

ClientSampleId :

PHC-340EM-012

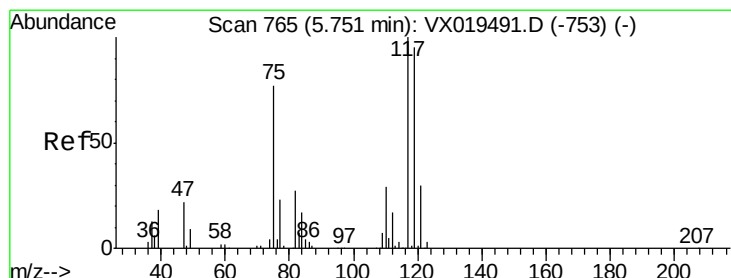
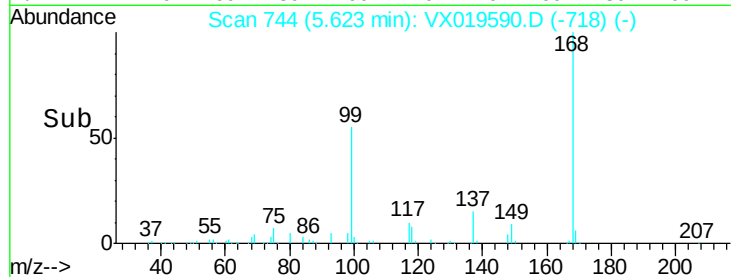
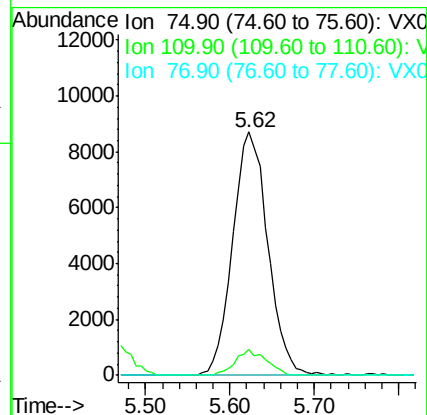
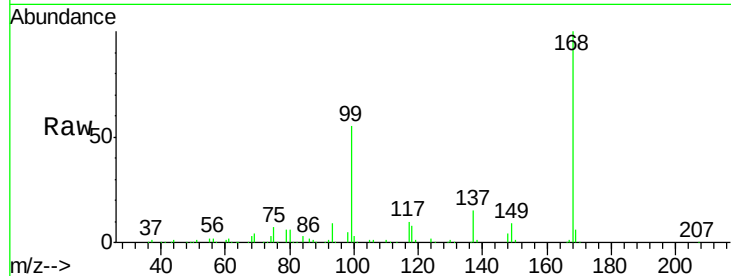
Tot Ion: 75 Resp: 24635

Ion Ratio Lower Upper

75 100

110 9.3 18.1 54.3#

77 0.0 24.2 36.4#



#38

Carbon Tetrachloride

Concen: 6.566 ug/l

RT: 5.62 min Scan# 744

Delta R.T. -0.13 min

Lab File: VX019590.D

Acq: 24 Nov 2020 07:25

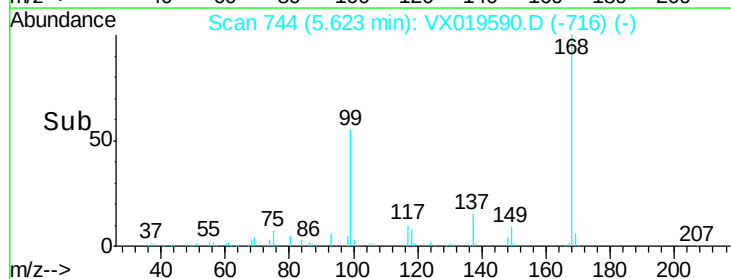
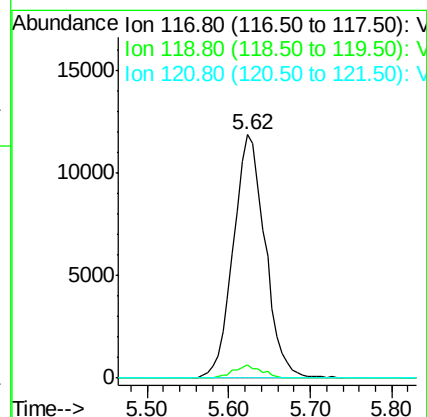
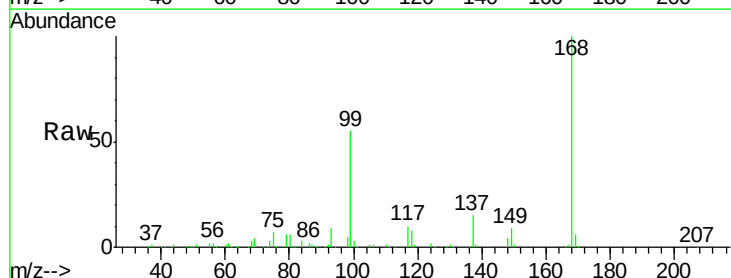
Tgt Ion: 117 Resp: 31884

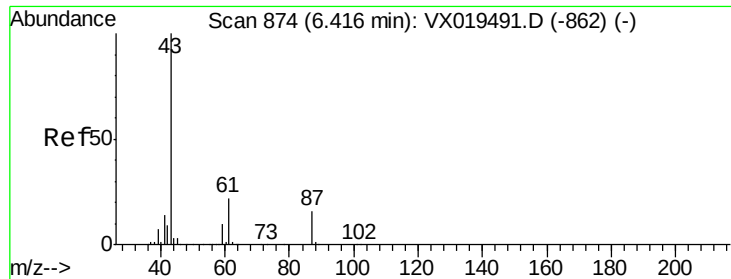
Ion Ratio Lower Upper

117 100

119 5.2 75.9 113.9#

121 0.0 24.0 36.0#

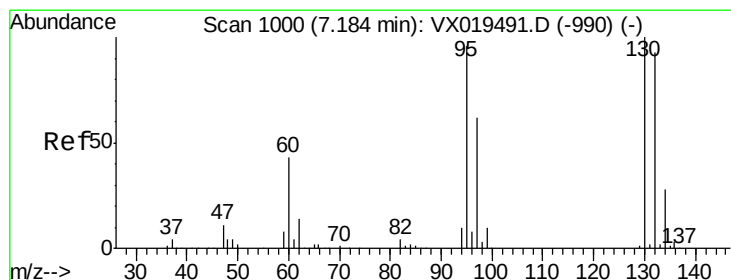
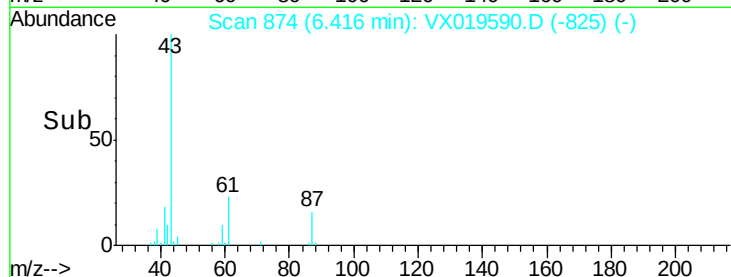
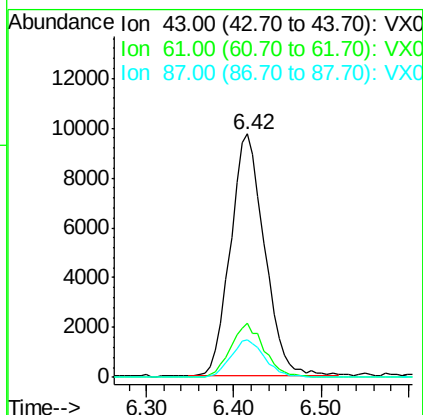
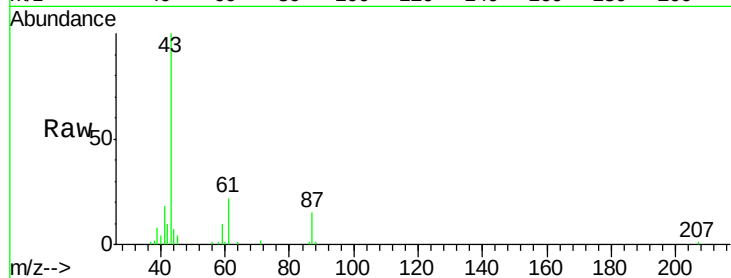




#43
Isopropyl Acetate
Concen: 3.329 ug/l
RT: 6.42 min Scan# 874
Delta R.T. -0.00 min
Lab File: VX019590.D
Acq: 24 Nov 2020 07:25

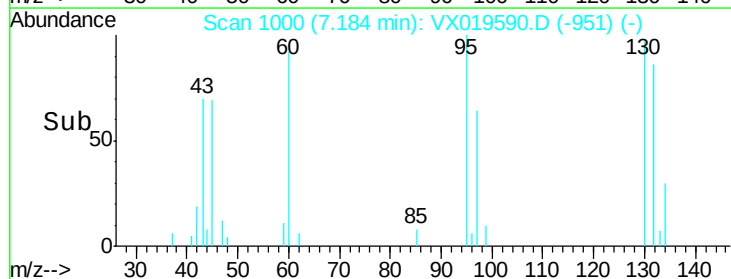
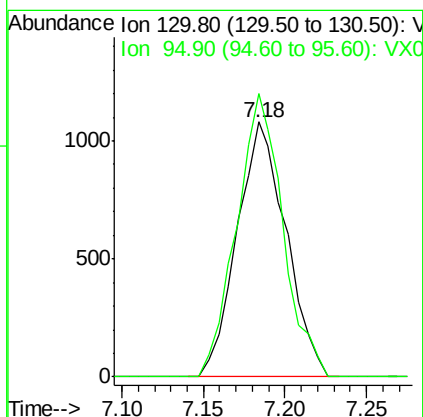
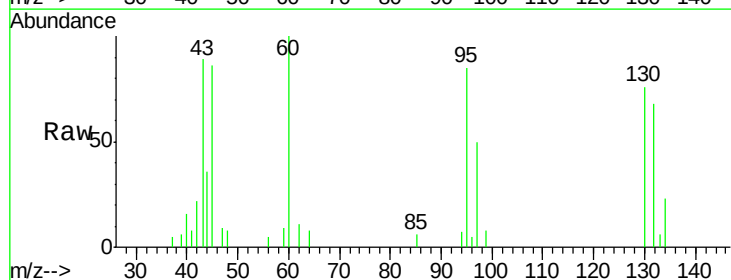
Instrument :
MSVOA_X
ClientSampleId :
PHC-340EM-012

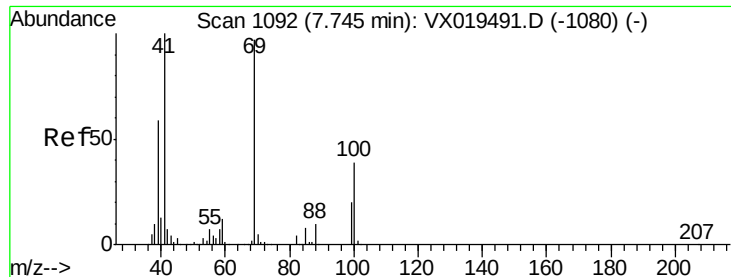
Tot Ion: 43 Resp: 26360
Ion Ratio Lower Upper
43 100
61 21.9 18.2 27.2
87 15.5 12.6 18.8



#44
Trichloroethene
Concen: 0.556 ug/l
RT: 7.18 min Scan# 1000
Delta R.T. -0.00 min
Lab File: VX019590.D
Acq: 24 Nov 2020 07:25

Tgt Ion:130 Resp: 2243
Ion Ratio Lower Upper
130 100
95 111.0 0.0 191.2

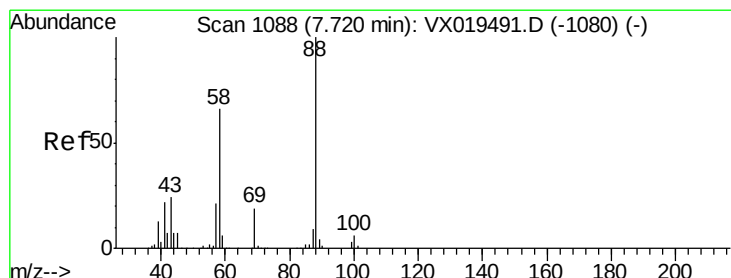
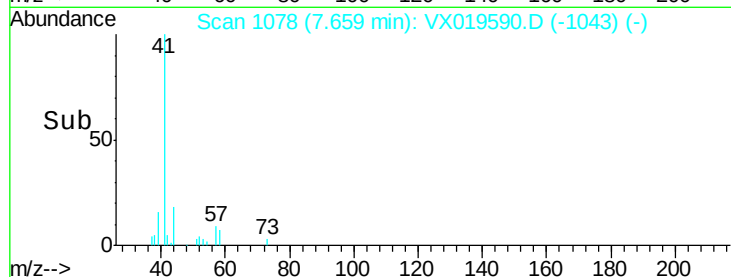
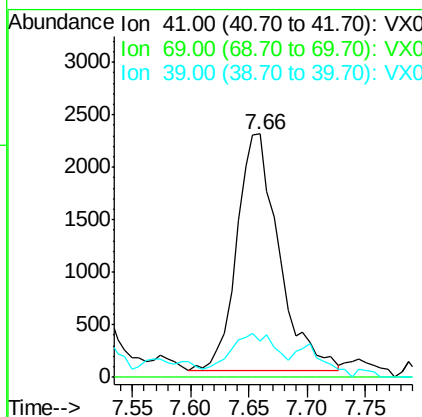
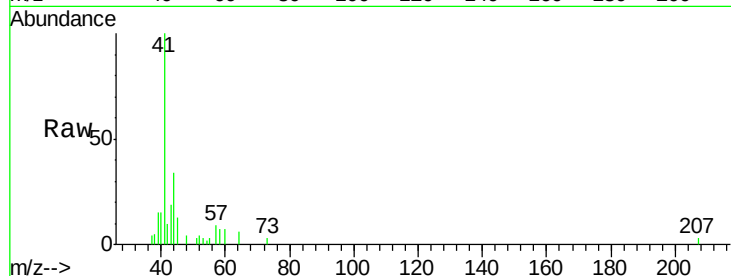




#48
Methvl methacrylate
Concen: 1.520 ug/l
RT: 7.66 min Scan# 1078
Delta R.T. -0.09 min
Lab File: VX019590.D
Acq: 24 Nov 2020 07:25

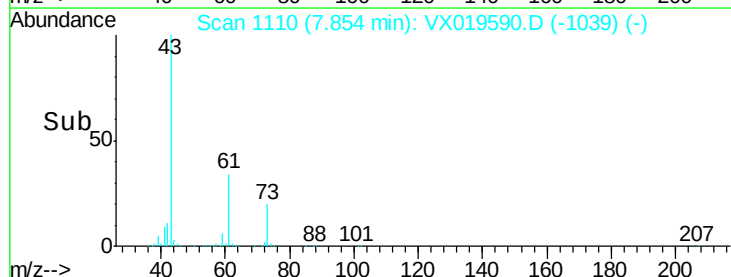
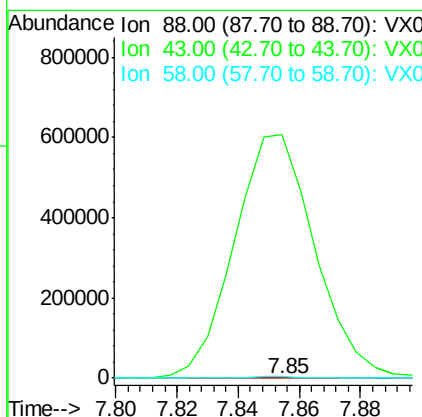
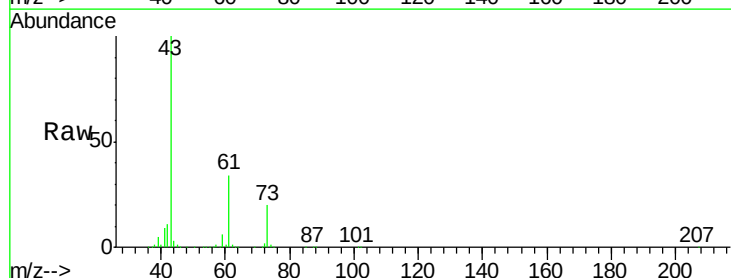
Instrument :
MSVOA_X
ClientSampleId :
PHC-340EM-012

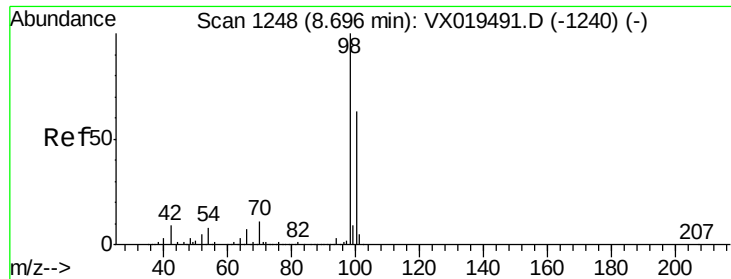
Tot Ion: 41 Resp: 5635
Ion Ratio Lower Upper
41 100
69 0.0 77.0 115.6#
39 0.0 45.6 68.4#



#49
1,4-Dioxane
Concen: 2.340 ug/l
RT: 7.85 min Scan# 1110
Delta R.T. 0.13 min
Lab File: VX019590.D
Acq: 24 Nov 2020 07:25

Tgt Ion: 88 Resp: 197
Ion Ratio Lower Upper
88 100
43 570870.1 23.8 35.6#
58 2867.0 54.2 81.2#

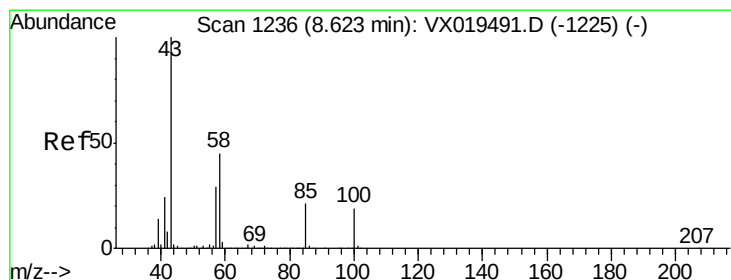
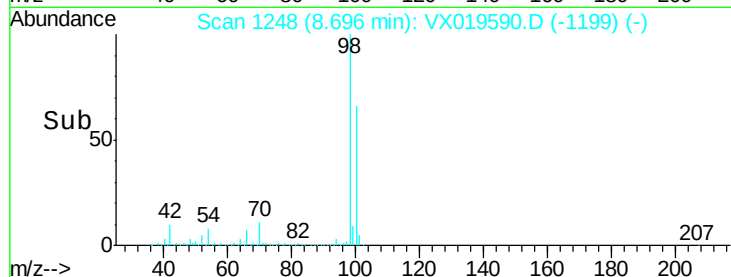
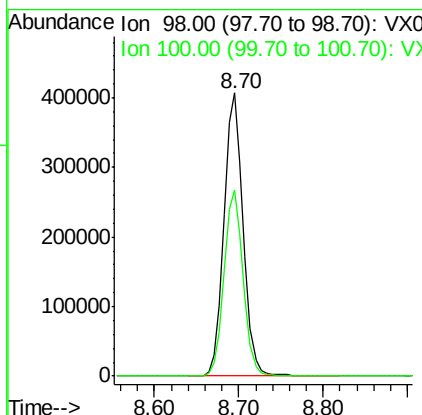
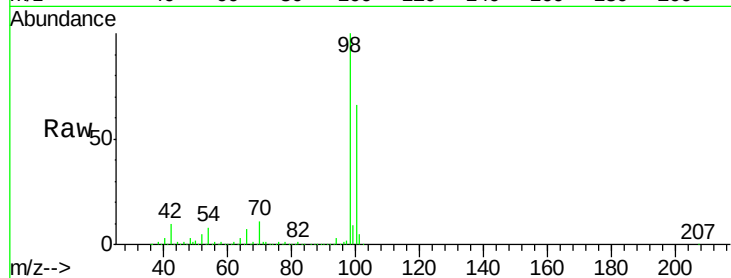




#50
Toluene-d8
Concen: 48.775 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX019590.D
Acq: 24 Nov 2020 07:25

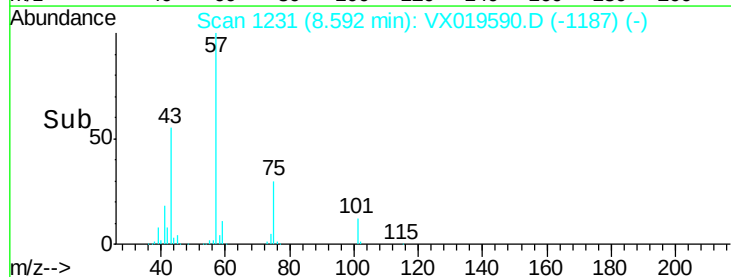
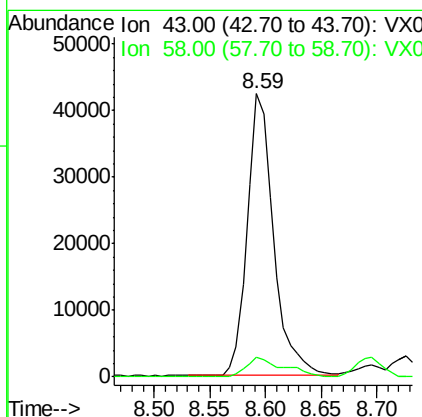
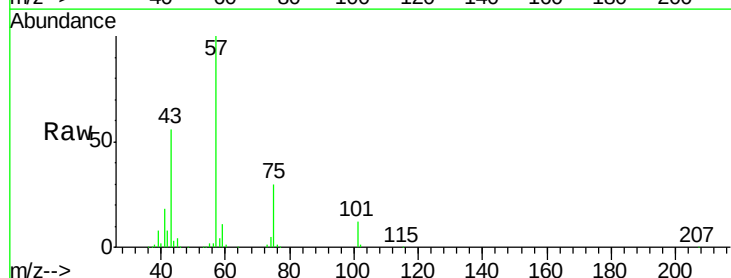
Instrument :
MSVOA_X
ClientSampleId :
PHC-340EM-012

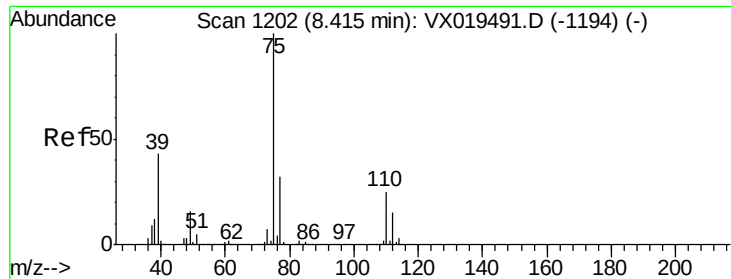
Tot Ion: 98 Resp: 636659
Ion Ratio Lower Upper
98 100
100 65.8 52.4 78.6



#51
4-Methyl-2-Pentanone
Concen: 15.214 ug/l
RT: 8.59 min Scan# 1231
Delta R.T. -0.03 min
Lab File: VX019590.D
Acq: 24 Nov 2020 07:25

Tgt Ion: 43 Resp: 70239
Ion Ratio Lower Upper
43 100
58 9.7 35.1 52.7#



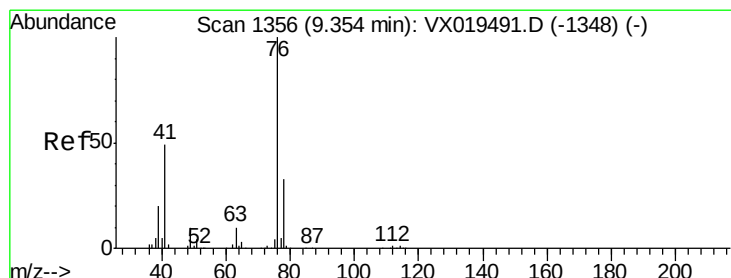
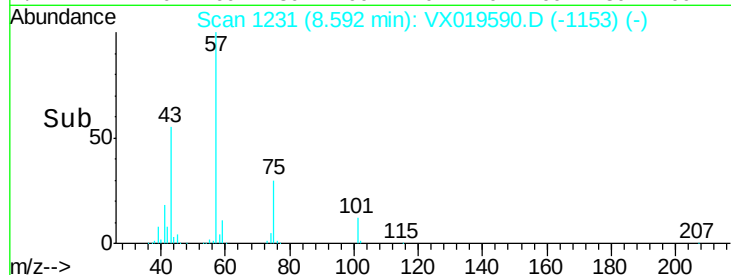
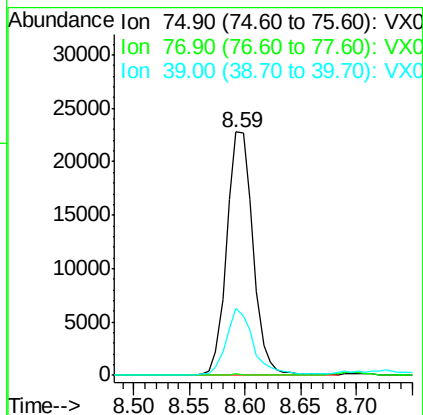
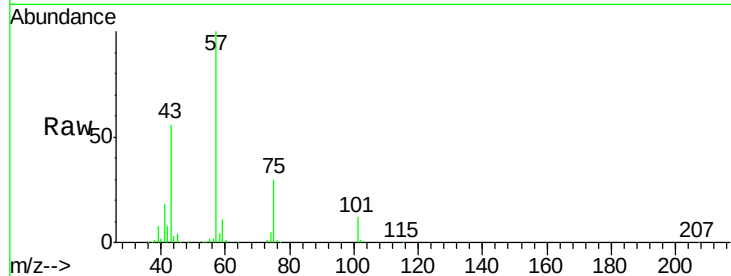


#54

cis-1,3-Dichloropropene
 Concen: 6.184 ug/l
 RT: 8.59 min Scan# 1231
 Delta R.T. 0.18 min
 Lab File: VX019590.D
 Acq: 24 Nov 2020 07:25

Instrument :
 MSVOA_X
 ClientSampleId :
 PHC-340EM-012

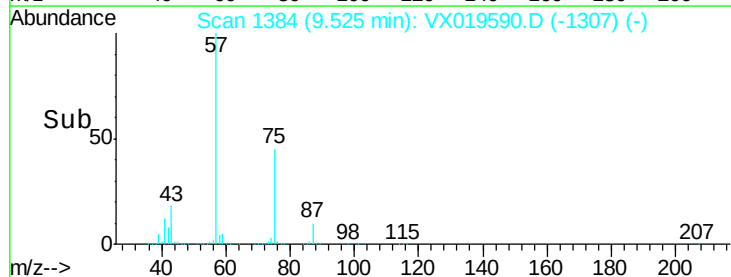
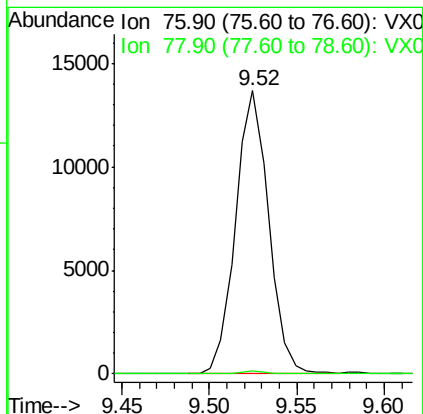
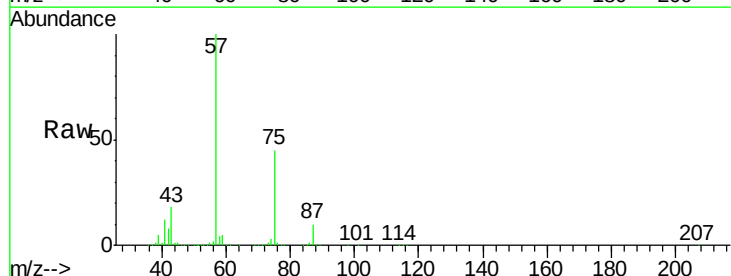
Tot Ion: 75 Resp: 37355
 Ion Ratio Lower Upper
 75 100
 77 0.5 25.8 38.6#
 39 27.1 34.6 51.8#

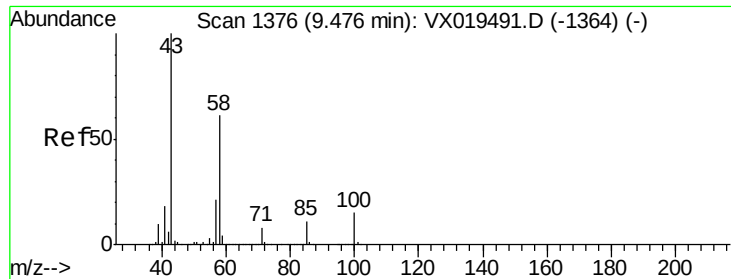


#57

1,3-Dichloropropane
 Concen: 2.791 ug/l
 RT: 9.52 min Scan# 1384
 Delta R.T. 0.17 min
 Lab File: VX019590.D
 Acq: 24 Nov 2020 07:25

Tgt Ion: 76 Resp: 17943
 Ion Ratio Lower Upper
 76 100
 78 0.6 25.7 38.5#

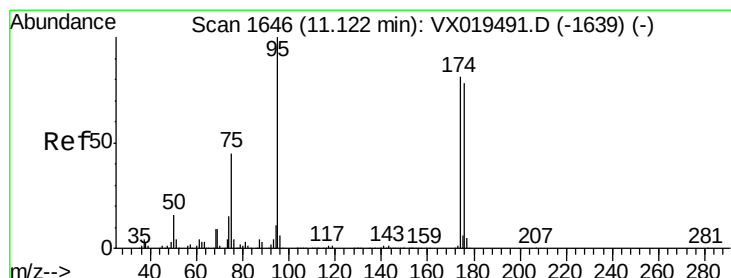
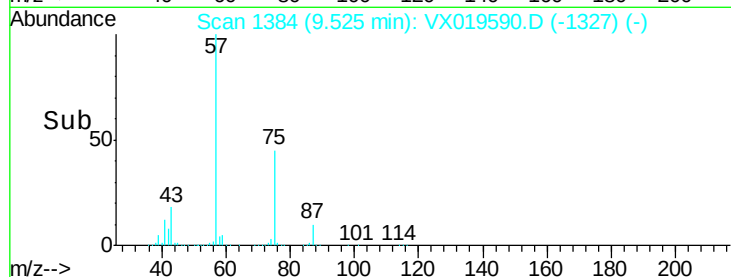
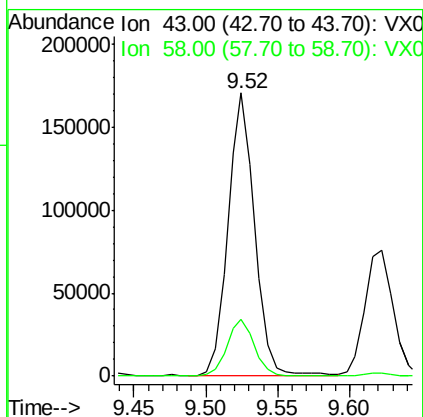
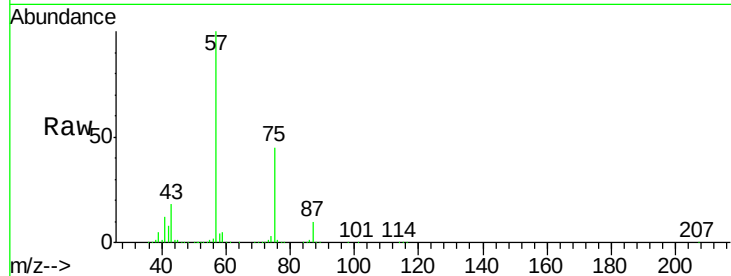




#59
2-Hexanone
Concen: 63.040 ug/l
RT: 9.52 min Scan# 1384
Delta R.T. 0.05 min
Lab File: VX019590.D
Acq: 24 Nov 2020 07:25

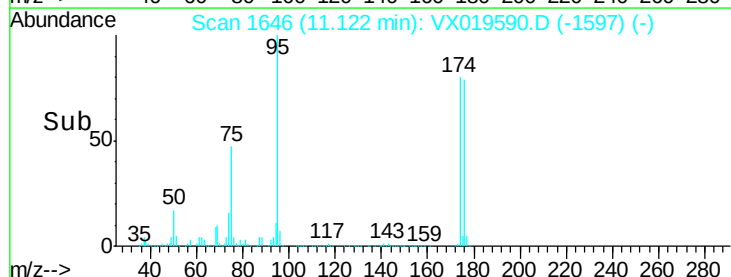
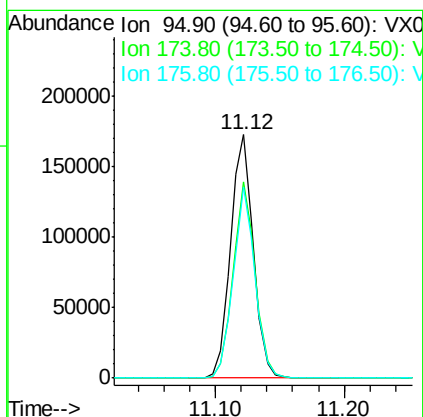
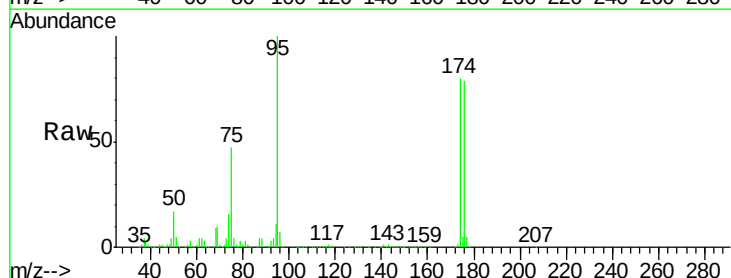
Instrument :
MSVOA_X
ClientSampleId :
PHC-340EM-012

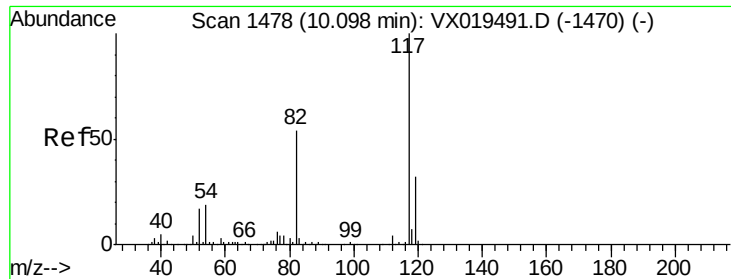
Tot Ion: 43 Resp: 220736
Ion Ratio Lower Upper
43 100
58 20.4 30.6 91.6#



#62
4-Bromofluorobenzene
Concen: 45.486 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX019590.D
Acq: 24 Nov 2020 07:25

Tgt Ion: 95 Resp: 213619
Ion Ratio Lower Upper
95 100
174 77.9 0.0 156.2
176 75.2 0.0 151.4

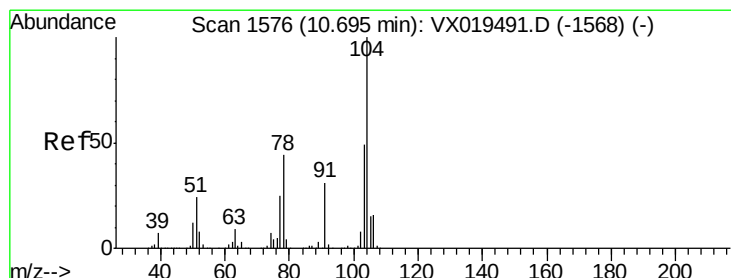
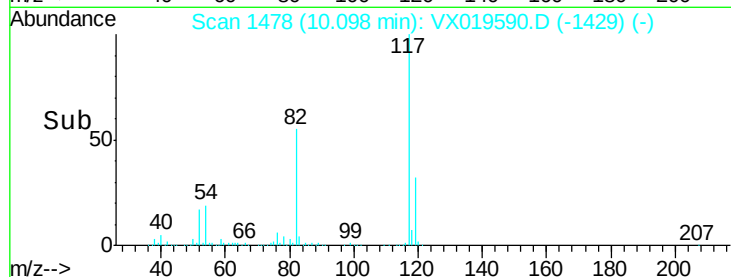
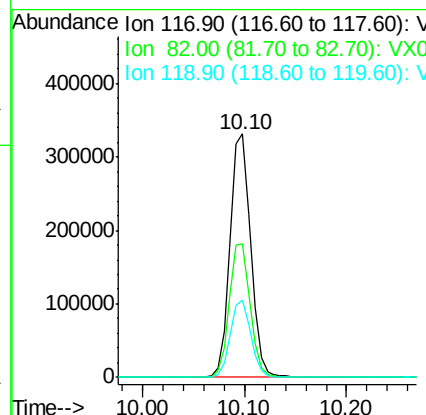
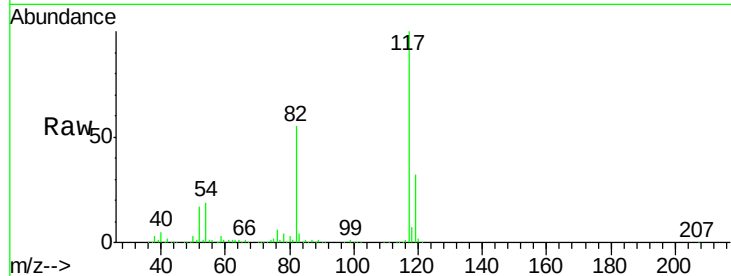




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX019590.D
Acq: 24 Nov 2020 07:25

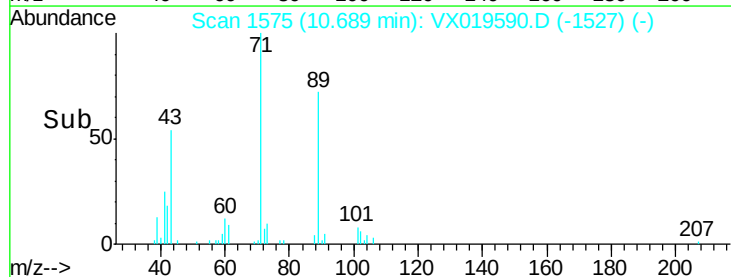
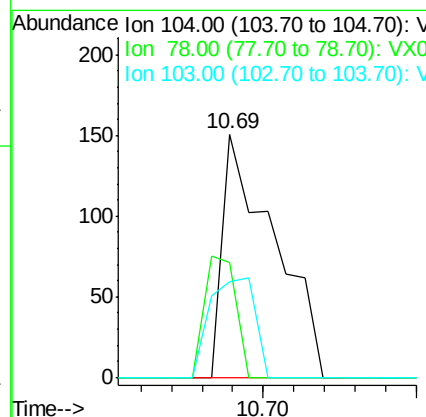
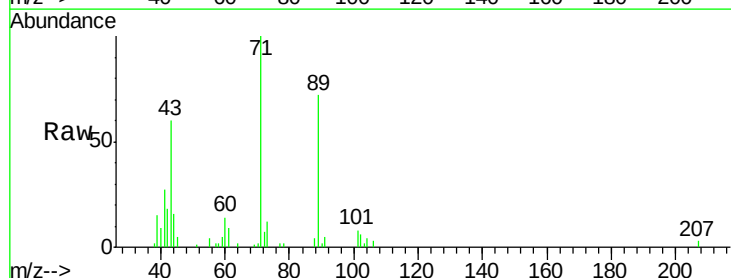
Instrument :
MSVOA_X
ClientSampleId :
PHC-340EM-012

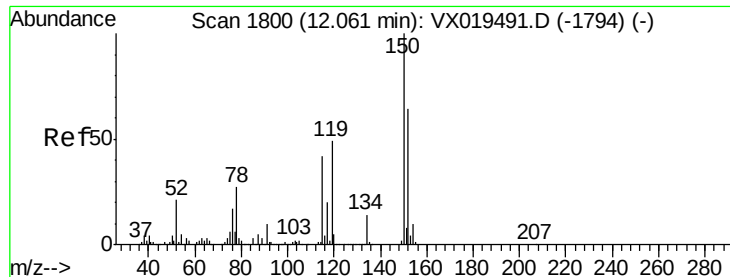
Tot Ion:117 Resp: 462972
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.4
119 32.0 25.6 38.4



#70
Styrene
Concen: 1.661 ug/l
RT: 10.69 min Scan# 1575
Delta R.T. -0.01 min
Lab File: VX019590.D
Acq: 24 Nov 2020 07:25

Tgt Ion:104 Resp: 176
Ion Ratio Lower Upper
104 100
78 30.1 39.5 59.3#
103 35.8 43.6 65.4#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX019590.D

Acq: 24 Nov 2020 07:25

Instrument :

MSVOA_X

ClientSampled :

PHC-340EM-012

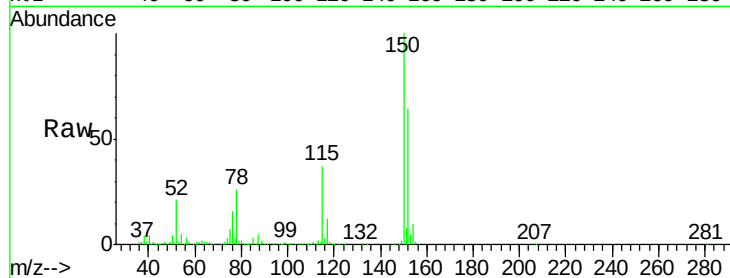
Tot Ion:152 Resp: 199235

Ion Ratio Lower Upper

152 100

115 59.6 41.8 125.4

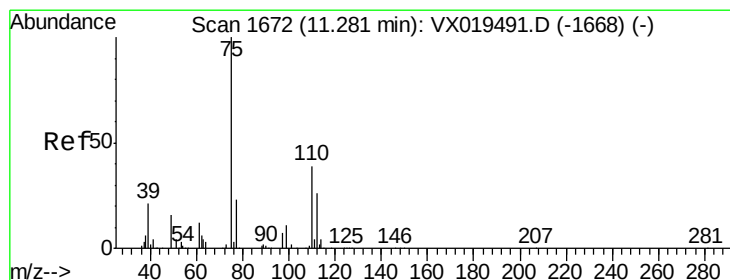
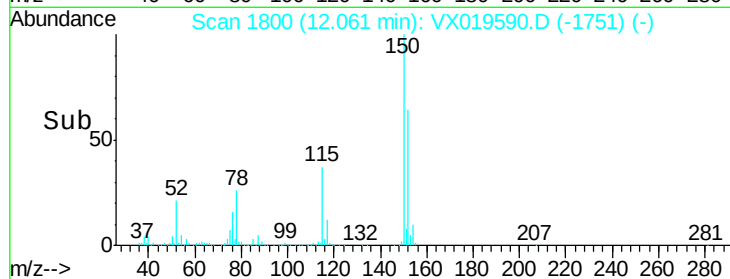
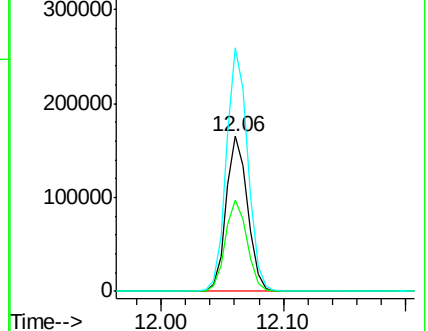
150 156.5 0.0 348.2



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: 23.718 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.16 min

Lab File: VX019590.D

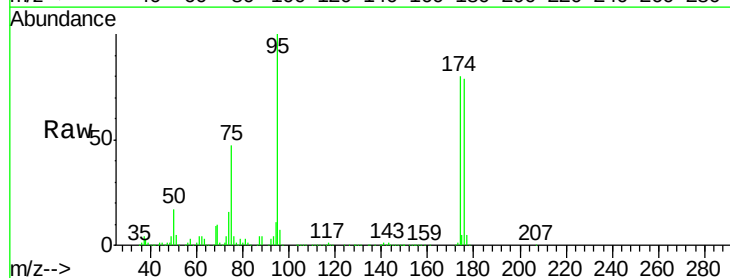
Acq: 24 Nov 2020 07:25

Tgt Ion: 75 Resp: 103124

Ion Ratio Lower Upper

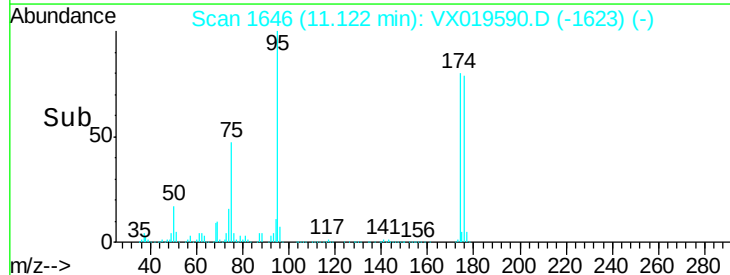
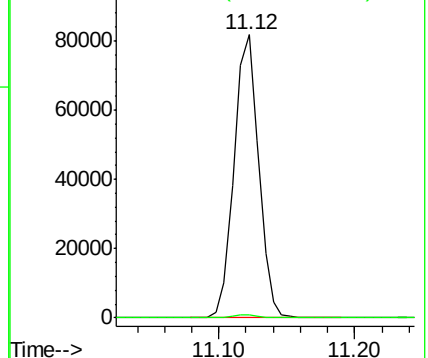
75 100

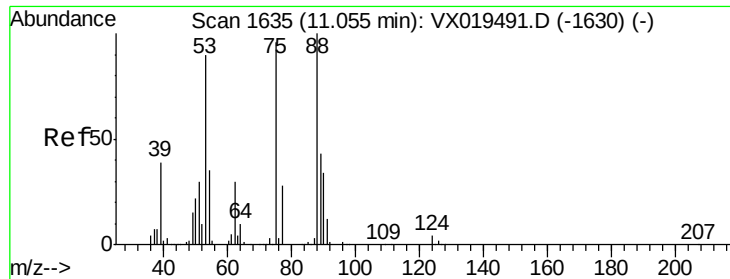
77 1.2 20.0 60.0#



Abundance Ion 74.90 (74.60 to 75.60): VX0

Ion 77.00 (76.70 to 77.70): VX0

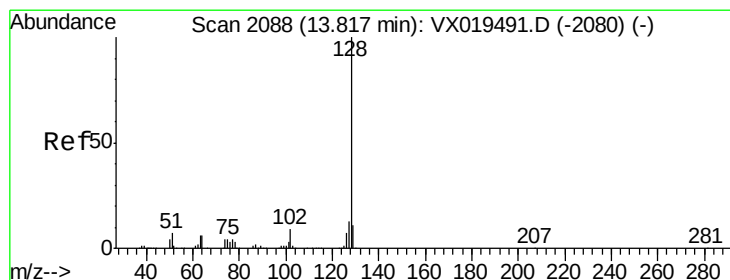
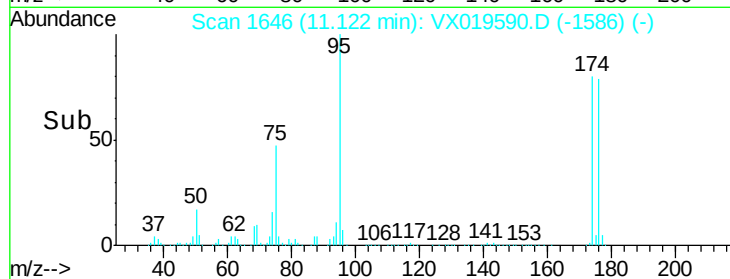
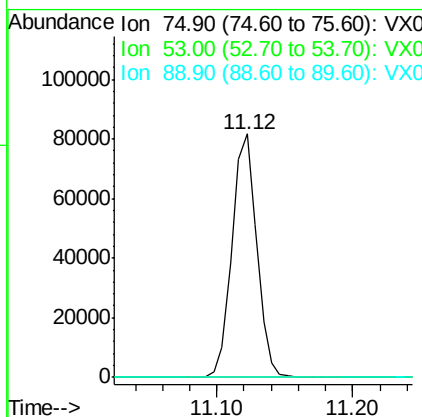
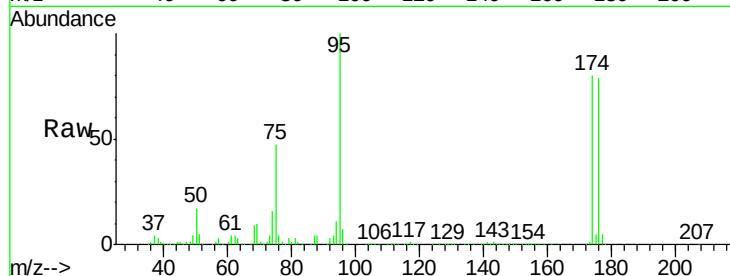




#81
 trans-1,4-Dichloro-2-butene
 Concen: 62.869 ug/l
 RT: 11.12 min Scan# 1646
 Delta R.T. 0.07 min
 Lab File: VX019590.D
 Acq: 24 Nov 2020 07:25

Instrument :
 MSVOA_X
 ClientSampled :
 PHC-340EM-012

Tot Ion: 75 Resp: 103124
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.9 110.9#
 89 0.0 37.3 55.9#



#95
 Naphthalene
 Concen: 2.240 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX019590.D
 Acq: 24 Nov 2020 07:25

Tgt Ion:128 Resp: 949
 Ion Ratio Lower Upper
 128 100
 127 10.0 10.3 15.5#
 129 8.9 8.7 13.1

